

ANALYTICAL REPORT

Job Number: 580-32803-1

Job Description: Jeld-Wen Surface Sediment

For:

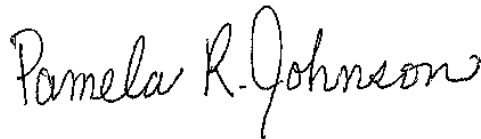
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Approved for release.
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06/19/2012

Revision: 1

cc: Lab Data
Niki Masters

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

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CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32803-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at the time of receipt was 2.60 C, 2.60 C, 3.80 C, 5.60 C, 12.70 C and 15.80 C.

Two of the six coolers were received at the laboratory outside the required temperature criteria: 12.7°C and 15.8°C.

Samples JW-EA01-COMP-1205 (580-32803-46), JW-EA09-SS37-1205 (580-32803-47), JW-EA09-SS34-1205 (580-32803-48), JW-EA09-SS38-1205 (580-32803-49), JW-EA09-SS36-1205 (580-32803-50), JW-EA09-SS33-1205 (580-32803-51), JW-EA09-SS35-1205 (580-32803-52), & JW-RB-1205 (580-32803-54) were in the cooler with a temperature of 12.7°C.

Samples JW-EA02-Comp-1205 (580-32803-36), JW-EA04-SS13-1205 (580-32803-37), JW-EA04-SS16-1205 (580-32803-38), JW-EA04-SS14-1205 (580-32803-39), JW-EA04-SS15-1205 (580-32803-40), JW-EA04-Comp-1205 (580-32803-41), JW-EA01-SS03-1205 (580-32803-42), JW-EA01-SS04-1205 (580-32803-43), JW-EA01-SS01-1205 (580-32803-44), JW-EA01-SS02-1205 (580-32803-45) and JW-EA09-Comp-1205 (580-32803-53) were in the cooler with a temperature of 15.8°C.

The container label for the following sample JW-EA10-SS42-1205 (580-32803-20) did not match the information listed on the Chain-of-Custody (COC). The container labels list the ID as JW-EA10-SS42-1205. The Chain-of-Custody (COC) lists JW-EA10-SS43-1205. The sampling times match. The sample was logged in per container labels because the previous sample (580-32803-19) has the ID ...SS43.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

Samples JW-EA58-COMP-120507 (580-32803-7), JW-EA08-COMP-120507 (580-32803-10), JW-EA10-COMP-120507 (580-32803-21), JW-EA01-COMP-120507 (580-32803-46) and JW-EA09-COMP-120507 (580-32803-53) were analyzed for polycyclic aromatic hydrocarbons (PAHs) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 05/18/2012 and analyzed on 05/25/2012.

No difficulties were encountered during the PAH analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM)

Samples JW-RB-120507 (580-32803-54) and JW-FB-120507 (580-32803-55) were analyzed for Semivolatile organic compounds - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 05/11/2012 and analyzed on 05/23/2012.

No difficulties were encountered during the SVOC SIM analyses.

All quality control parameters were within the acceptance limits.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-EA58-COMP-120507 (580-32803-7), JW-EA08-COMP-120507 (580-32803-10), JW-EA06-COMP-120507 (580-32803-15), JW-EA10-SS39-120507 (580-32803-16), JW-EA10-SS41-120507 (580-32803-17), JW-EA10-SS40-120507 (580-32803-18), JW-EA10-SS43-120507 (580-32803-19), JW-EA10-SS42-120507 (580-32803-20), JW-EA10-COMP-120507 (580-32803-21), JW-EA07-COMP-120507 (580-32803-26), JW-EA03-COMP-120507 (580-32803-30), JW-EA02-COMP-120507 (580-32803-36), JW-EA04-COMP-120507 (580-32803-41), JW-EA01-SS03-120507 (580-32803-42), JW-EA01-SS04-120507 (580-32803-43), JW-EA01-SS01-120507 (580-32803-44), JW-EA01-SS02-120507 (580-32803-45), JW-EA01-COMP-120507 (580-32803-46) and JW-EA09-COMP-120507 (580-32803-53) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 06/08/2012.

Due to high sample volume, not all samples could be run within hold. Samples were frozen to extend their hold time and run when instrument capacity was available.

No difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples JW-EA58-COMP-120507 (580-32803-7), JW-EA08-COMP-120507 (580-32803-10), JW-EA06-COMP-120507 (580-32803-15), JW-EA10-SS39-120507 (580-32803-16), JW-EA10-SS41-120507 (580-32803-17), JW-EA10-SS40-120507 (580-32803-18), JW-EA10-SS43-120507 (580-32803-19), JW-EA10-SS42-120507 (580-32803-20), JW-EA10-COMP-120507 (580-32803-21), JW-EA07-COMP-120507 (580-32803-26), JW-EA03-COMP-120507 (580-32803-30), JW-EA02-COMP-120507 (580-32803-36), JW-EA04-COMP-120507 (580-32803-41), JW-EA01-SS03-120507 (580-32803-42), JW-EA01-SS04-120507 (580-32803-43), JW-EA01-SS01-120507 (580-32803-44), JW-EA01-SS02-120507 (580-32803-45), JW-EA01-COMP-120507 (580-32803-46) and JW-EA09-COMP-120507 (580-32803-53) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/15/2012, 05/21/2012 and 05/22/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

Samples JW-EA58-COMP-120507 (580-32803-7), JW-EA08-COMP-120507 (580-32803-10), JW-EA06-COMP-120507 (580-32803-15), JW-EA10-SS39-120507 (580-32803-16), JW-EA10-SS41-120507 (580-32803-17), JW-EA10-SS40-120507 (580-32803-18), JW-EA10-SS43-120507 (580-32803-19), JW-EA10-SS42-120507 (580-32803-20), JW-EA10-COMP-120507 (580-32803-21), JW-EA07-COMP-120507 (580-32803-26), JW-EA03-COMP-120507 (580-32803-30), JW-EA02-COMP-120507 (580-32803-36), JW-EA04-COMP-120507 (580-32803-41), JW-EA01-SS03-120507 (580-32803-42), JW-EA01-SS04-120507 (580-32803-43), JW-EA01-SS01-120507 (580-32803-44), JW-EA01-SS02-120507 (580-32803-45), JW-EA01-COMP-120507 (580-32803-46) and JW-EA09-COMP-120507 (580-32803-53) were analyzed for grain size in accordance with D422. The samples were analyzed on 06/07/2012 and 06/08/2012.

No difficulties were encountered during the grain size analyses.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/3 Client Sample ID: _____Date Analyzed: 04/26/12 16:06 Lab File ID: HP27815.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:10
Naphthalene	4.88	Assign Peak	tadesseb	04/26/12 18:10
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:10

Lab Sample ID: IC 580-110125/4 Client Sample ID: _____Date Analyzed: 04/26/12 16:28 Lab File ID: HP27816.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:09
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:09
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:09

Lab Sample ID: IC 580-110125/5 Client Sample ID: _____Date Analyzed: 04/26/12 16:50 Lab File ID: HP27817.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:08
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:11
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/26/12 18:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/6 Client Sample ID: _____Date Analyzed: 04/26/12 17:11 Lab File ID: HP27818.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:07
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:07
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: ICIS 580-110125/7 Client Sample ID: _____Date Analyzed: 04/26/12 17:33 Lab File ID: HP27819.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:06
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:06
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: IC 580-110125/8 Client Sample ID: _____Date Analyzed: 04/26/12 17:55 Lab File ID: HP27820.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:15
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:15
Pentachlorophenol	7.36	Baseline	tadesseb	04/26/12 18:15

Lab Sample ID: IC 580-110125/9 Client Sample ID: _____Date Analyzed: 04/26/12 18:16 Lab File ID: HP27821.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/27/12 10:19
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:19
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/27/12 10:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125

Lab Sample ID: IC 580-110125/10 Client Sample ID: _____

Date Analyzed: 04/26/12 18:38 Lab File ID: HP27822.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:20
Indeno[1,2,3-cd]pyrene	13.24	Baseline	tadesseb	04/27/12 10:21

Lab Sample ID: ICV 580-110125/11 Client Sample ID: _____

Date Analyzed: 04/26/12 19:00 Lab File ID: HP27823.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 111929Lab Sample ID: CCVIS 580-111929/2 Client Sample ID: _____Date Analyzed: 05/23/12 13:37 Lab File ID: HP27997.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.92	Assign Peak	tadesseb	05/23/12 14:20
Pentachlorophenol	7.33	Assign Peak	tadesseb	05/23/12 14:20

Lab Sample ID: LCS 580-111171/2-A Client Sample ID: _____Date Analyzed: 05/23/12 14:20 Lab File ID: HP27999.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	13.16	Baseline	tadesseb	05/24/12 16:25

Lab Sample ID: LCSD 580-111171/3-A Client Sample ID: _____Date Analyzed: 05/23/12 14:42 Lab File ID: HP28000.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	13.15	Baseline	tadesseb	05/24/12 16:30

Lab Sample ID: 580-32803-54 Client Sample ID: JW-RB-120507Date Analyzed: 05/23/12 15:04 Lab File ID: HP28001.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Anthracene	7.55	Baseline	tadesseb	05/24/12 16:32

Lab Sample ID: 580-32803-55 Client Sample ID: JW-FB-120507Date Analyzed: 05/23/12 15:25 Lab File ID: HP28002.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	7.51	Baseline	tadesseb	05/24/12 16:33
Anthracene	7.55	Baseline	tadesseb	05/24/12 16:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: CCVIS 580-112072/2 Client Sample ID: _____Date Analyzed: 05/25/12 10:24 Lab File ID: HP28005.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.92	Assign Peak	tadesseb	05/25/12 11:53
Pentachlorophenol	7.33	Assign Peak	tadesseb	05/25/12 11:53
Indeno[1,2,3-cd]pyrene	13.15	Baseline	tadesseb	05/25/12 11:53

Lab Sample ID: LCS 580-111684/2-A Client Sample ID: _____Date Analyzed: 05/25/12 12:12 Lab File ID: HP28007.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	13.16	Baseline	tadesseb	05/25/12 12:52

Lab Sample ID: 580-32803-7 Client Sample ID: JW-EA58-COMP-120507Date Analyzed: 05/25/12 12:34 Lab File ID: HP28008.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:16
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:16
Dibenz(a,h)anthracene	13.20	Assign Peak	tadesseb	05/25/12 16:16

Lab Sample ID: 580-32803-10 Client Sample ID: JW-EA08-COMP-120507Date Analyzed: 05/25/12 12:56 Lab File ID: HP28009.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:17
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:17
Dibenz(a,h)anthracene	13.20	Assign Peak	tadesseb	05/25/12 16:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: 580-32803-21 Client Sample ID: JW-EA10-COMP-120507Date Analyzed: 05/25/12 13:17 Lab File ID: HP28010.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz (a,h)anthracene	13.19	Baseline	tadesseb	05/25/12 16:18

Lab Sample ID: 580-32803-46 Client Sample ID: JW-EA01-COMP-120507Date Analyzed: 05/25/12 13:39 Lab File ID: HP28011.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:19
Benzo[k]fluoranthene	10.95	Baseline	tadesseb	05/25/12 16:19
Dibenz (a,h)anthracene	13.19	Baseline	tadesseb	05/25/12 16:19

Lab Sample ID: 580-32803-53 Client Sample ID: JW-EA09-COMP-120507Date Analyzed: 05/25/12 14:01 Lab File ID: HP28012.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:20
Benzo[k]fluoranthene	10.95	Baseline	tadesseb	05/25/12 16:20
Indeno[1,2,3-cd]pyrene	13.16	Baseline	tadesseb	05/25/12 16:20

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-1	JW-EA58-SS29-120507	Solid	05/07/2012 1100	05/08/2012 1420
580-32803-2	JW-EA58-SS30-120507	Solid	05/07/2012 1110	05/08/2012 1420
580-32803-3	JW-EA58-SS31-120507	Solid	05/07/2012 1115	05/08/2012 1420
580-32803-4	JW-EA58-SS32-120507	Solid	05/07/2012 1225	05/08/2012 1420
580-32803-5	JW-EA08-SS29-120507	Solid	05/07/2012 1100	05/08/2012 1420
580-32803-6	JW-EA08-SS30-120507	Solid	05/07/2012 1110	05/08/2012 1420
580-32803-7	JW-EA58-COMP-120507	Solid	05/07/2012 1510	05/08/2012 1420
580-32803-8	JW-EA08-SS31-120507	Solid	05/07/2012 1115	05/08/2012 1420
580-32803-9	JW-EA08-SS32-120507	Solid	05/07/2012 1225	05/08/2012 1420
580-32803-10	JW-EA08-COMP-120507	Solid	05/07/2012 1528	05/08/2012 1420
580-32803-11	JW-EA06-SS22-120507	Solid	05/07/2012 1117	05/08/2012 1420
580-32803-12	JW-EA06-SS21-120507	Solid	05/07/2012 1112	05/08/2012 1420
580-32803-13	JW-EA06-SS23-120507	Solid	05/07/2012 1130	05/08/2012 1420
580-32803-14	JW-EA06-SS24-120507	Solid	05/07/2012 1140	05/08/2012 1420
580-32803-15	JW-EA06-COMP-120507	Solid	05/07/2012 1600	05/08/2012 1420
580-32803-16	JW-EA10-SS39-120507	Solid	05/07/2012 1025	05/08/2012 1420
580-32803-17	JW-EA10-SS41-120507	Solid	05/07/2012 1244	05/08/2012 1420
580-32803-18	JW-EA10-SS40-120507	Solid	05/07/2012 1234	05/08/2012 1420
580-32803-19	JW-EA10-SS43-120507	Solid	05/07/2012 1220	05/08/2012 1420
580-32803-20	JW-EA10-SS42-120507	Solid	05/07/2012 0903	05/08/2012 1420
580-32803-21	JW-EA10-COMP-120507	Solid	05/07/2012 1614	05/08/2012 1420
580-32803-22	JW-EA07-SS28-120507	Solid	05/07/2012 1200	05/08/2012 1420
580-32803-23	JW-EA07-SS25-120507	Solid	05/07/2012 1144	05/08/2012 1420
580-32803-24	JW-EA07-SS27-120507	Solid	05/07/2012 1214	05/08/2012 1420
580-32803-25	JW-EA07-SS26-120507	Solid	05/07/2012 1150	05/08/2012 1420
580-32803-26	JW-EA07-COMP-120507	Solid	05/07/2012 1633	05/08/2012 1420
580-32803-27	JW-EA03-SS12-120507	Solid	05/07/2012 1300	05/08/2012 1420
580-32803-28	JW-EA03-SS10-120507	Solid	05/07/2012 1330	05/08/2012 1420
580-32803-29	JW-EA03-SS11-120507	Solid	05/07/2012 1400	05/08/2012 1420
580-32803-30	JW-EA03-COMP-120507	Solid	05/07/2012 1653	05/08/2012 1420
580-32803-31	JW-EA03-SS09-120507	Solid	05/07/2012 1345	05/08/2012 1420
580-32803-32	JW-EA02-SS05-120507	Solid	05/07/2012 1505	05/08/2012 1420
580-32803-33	JW-EA02-SS06-120507	Solid	05/07/2012 1456	05/08/2012 1420
580-32803-34	JW-EA02-SS07-120507	Solid	05/07/2012 1511	05/08/2012 1420
580-32803-35	JW-EA02-SS08-120507	Solid	05/07/2012 1447	05/08/2012 1420
580-32803-36	JW-EA02-COMP-120507	Solid	05/07/2012 1710	05/08/2012 1420
580-32803-37	JW-EA04-SS13-120507	Solid	05/07/2012 1255	05/08/2012 1420
580-32803-38	JW-EA04-SS16-120507	Solid	05/07/2012 1240	05/08/2012 1420
580-32803-39	JW-EA04-SS14-120507	Solid	05/07/2012 1250	05/08/2012 1420
580-32803-40	JW-EA04-SS15-120507	Solid	05/07/2012 1230	05/08/2012 1420
580-32803-41	JW-EA04-COMP-120507	Solid	05/07/2012 1715	05/08/2012 1420
580-32803-42	JW-EA01-SS03-120507	Solid	05/07/2012 1510	05/08/2012 1420
580-32803-43	JW-EA01-SS04-120507	Solid	05/07/2012 1500	05/08/2012 1420
580-32803-44	JW-EA01-SS01-120507	Solid	05/07/2012 1522	05/08/2012 1420
580-32803-45	JW-EA01-SS02-120507	Solid	05/07/2012 1515	05/08/2012 1420
580-32803-46	JW-EA01-COMP-120507	Solid	05/07/2012 1739	05/08/2012 1420
580-32803-47	JW-EA09-SS37-120507	Solid	05/07/2012 1346	05/08/2012 1420
580-32803-48	JW-EA09-SS34-120507	Solid	05/07/2012 1411	05/08/2012 1420
580-32803-49	JW-EA09-SS38-120507	Solid	05/07/2012 1350	05/08/2012 1420
580-32803-50	JW-EA09-SS36-120507	Solid	05/07/2012 1401	05/08/2012 1420
580-32803-51	JW-EA09-SS33-120507	Solid	05/07/2012 1324	05/08/2012 1420
580-32803-52	JW-EA09-SS35-120507	Solid	05/07/2012 1336	05/08/2012 1420
580-32803-53	JW-EA09-COMP-120507	Solid	05/07/2012 1803	05/08/2012 1420

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-54	JW-RB-120507	Water	05/07/2012 1758	05/08/2012 1420
580-32803-55	JW-FB-120507	Water	05/07/2012 1900	05/08/2012 1420

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Semivolatile Organic Compounds (GC/MS SIM)	TAL SEA	SW846 8270C SIM	
Ultrasonic Extraction	TAL SEA		SW846 3550B
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	
Black Carbon (Lloyd Kahn)	TAL BUR	EPA Lloyd Kahn	
Auto LabComplete Method for Specialized Pricing in US-Steel	TAL SEA	AutoGenChem	
Matrix Water			
Semivolatile Organic Compounds (GC/MS SIM)	TAL SEA	SW846 8270C SIM	
Liquid-Liquid Extraction (Continuous)	TAL SEA		SW846 3520C

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

% Moisture: 51.3

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28008.D
Dilution:	1.0			Initial Weight/Volume:	20.2181 g
Analysis Date:	05/25/2012 1234			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		0.67	J	0.41	1.0
2-Methylnaphthalene		ND		0.41	1.0
1-Methylnaphthalene		0.32	J	0.30	1.0
Acenaphthylene		1.3		0.30	1.0
Acenaphthene		0.96	J	0.30	1.0
Fluorene		1.2		0.30	1.0
Phenanthrene		8.8		0.30	1.0
Anthracene		3.5		0.30	1.0
Fluoranthene		16		0.30	1.0
Pyrene		17		0.30	1.0
Benzo[a]anthracene		6.7		0.30	1.0
Chrysene		12		0.30	1.0
Benzo[b]fluoranthene		9.3		0.30	1.0
Benzo[k]fluoranthene		3.5		0.30	1.0
Benzo[a]pyrene		7.3		0.30	1.0
Indeno[1,2,3-cd]pyrene		5.4		0.30	1.0
Dibenz(a,h)anthracene		1.0		0.30	1.0
Benzo[g,h,i]perylene		4.6		0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	70		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Date Sampled: 05/07/2012 1528

Client Matrix: Solid

% Moisture: 50.8

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28009.D
Dilution:	1.0			Initial Weight/Volume:	20.5920 g
Analysis Date:	05/25/2012 1256			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		0.89	J	0.39	0.99
2-Methylnaphthalene		0.56	J	0.39	0.99
1-Methylnaphthalene		0.30	J	0.30	0.99
Acenaphthylene		2.5		0.30	0.99
Acenaphthene		0.99		0.30	0.99
Fluorene		1.6		0.30	0.99
Phenanthrene		9.4		0.30	0.99
Anthracene		8.3		0.30	0.99
Fluoranthene		20		0.30	0.99
Pyrene		19		0.30	0.99
Benzo[a]anthracene		9.9		0.30	0.99
Chrysene		17		0.30	0.99
Benzo[b]fluoranthene		12		0.30	0.99
Benzo[k]fluoranthene		4.6		0.30	0.99
Benzo[a]pyrene		8.9		0.30	0.99
Indeno[1,2,3-cd]pyrene		5.7		0.30	0.99
Dibenz(a,h)anthracene		1.2		0.30	0.99
Benzo[g,h,i]perylene		5.1		0.30	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	68		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Date Sampled: 05/07/2012 1614

Client Matrix: Solid

% Moisture: 37.2

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28010.D
Dilution:	1.0			Initial Weight/Volume:	20.6582 g
Analysis Date:	05/25/2012 1317			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		0.31	0.77
2-Methylnaphthalene		0.40	J	0.31	0.77
1-Methylnaphthalene		0.38	J	0.23	0.77
Acenaphthylene		1.9		0.23	0.77
Acenaphthene		1.8		0.23	0.77
Fluorene		2.0		0.23	0.77
Phenanthrene		13		0.23	0.77
Anthracene		7.4		0.23	0.77
Fluoranthene		23		0.23	0.77
Pyrene		23		0.23	0.77
Benzo[a]anthracene		11		0.23	0.77
Chrysene		20		0.23	0.77
Benzo[b]fluoranthene		15		0.23	0.77
Benzo[k]fluoranthene		7.0		0.23	0.77
Benzo[a]pyrene		11		0.23	0.77
Indeno[1,2,3-cd]pyrene		7.3		0.23	0.77
Dibenz(a,h)anthracene		1.7		0.23	0.77
Benzo[g,h,i]perylene		6.1		0.23	0.77

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	75		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Date Sampled: 05/07/2012 1739

Client Matrix: Solid

% Moisture: 52.7

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28011.D
Dilution:	1.0			Initial Weight/Volume:	20.0905 g
Analysis Date:	05/25/2012 1339			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		0.68	J	0.42	1.1
2-Methylnaphthalene		ND		0.42	1.1
1-Methylnaphthalene		ND		0.32	1.1
Acenaphthylene		1.3		0.32	1.1
Acenaphthene		1.1		0.32	1.1
Fluorene		1.5		0.32	1.1
Phenanthrene		4.7		0.32	1.1
Anthracene		4.1		0.32	1.1
Fluoranthene		15		0.32	1.1
Pyrene		14		0.32	1.1
Benzo[a]anthracene		9.8		0.32	1.1
Chrysene		22		0.32	1.1
Benzo[b]fluoranthene		12		0.32	1.1
Benzo[k]fluoranthene		5.5		0.32	1.1
Benzo[a]pyrene		6.5		0.32	1.1
Indeno[1,2,3-cd]pyrene		4.1		0.32	1.1
Dibenz(a,h)anthracene		0.87	J	0.32	1.1
Benzo[g,h,i]perylene		3.1		0.32	1.1

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	75		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Date Sampled: 05/07/2012 1803

Client Matrix: Solid

% Moisture: 42.1

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28012.D
Dilution:	1.0			Initial Weight/Volume:	20.1528 g
Analysis Date:	05/25/2012 1401			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		0.71	J	0.34	0.86
2-Methylnaphthalene		ND		0.34	0.86
1-Methylnaphthalene		0.26	J	0.26	0.86
Acenaphthylene		0.62	J	0.26	0.86
Acenaphthene		ND		0.26	0.86
Fluorene		0.30	J	0.26	0.86
Phenanthrene		0.91		0.26	0.86
Anthracene		0.59	J	0.26	0.86
Fluoranthene		2.8		0.26	0.86
Pyrene		2.4		0.26	0.86
Benzo[a]anthracene		1.5		0.26	0.86
Chrysene		2.5		0.26	0.86
Benzo[b]fluoranthene		2.1		0.26	0.86
Benzo[k]fluoranthene		0.89		0.26	0.86
Benzo[a]pyrene		1.6		0.26	0.86
Indeno[1,2,3-cd]pyrene		1.0		0.26	0.86
Dibenz(a,h)anthracene		ND		0.26	0.86
Benzo[g,h,i]perylene		0.88		0.26	0.86

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	71		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-RB-120507

Lab Sample ID: 580-32803-54

Date Sampled: 05/07/2012 1758

Client Matrix: Water

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-111929	Instrument ID:	TAC023
Prep Method:	3520C	Prep Batch:	580-111171	Lab File ID:	HP28001.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	05/23/2012 1504			Final Weight/Volume:	10 mL
Prep Date:	05/11/2012 1139			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	ND		0.036	0.10
2-Methylnaphthalene	ND		0.030	0.13
1-Methylnaphthalene	ND		0.030	0.10
Acenaphthylene	ND		0.030	0.10
Acenaphthene	ND		0.030	0.10
Fluorene	ND		0.030	0.10
Phenanthrene	ND		0.030	0.10
Anthracene	ND		0.030	0.10
Fluoranthene	ND		0.030	0.10
Pyrene	ND		0.030	0.10
Benzo[a]anthracene	ND		0.030	0.10
Chrysene	ND		0.030	0.10
Benzo[b]fluoranthene	ND		0.030	0.10
Benzo[k]fluoranthene	ND		0.030	0.10
Benzo[a]pyrene	ND		0.030	0.20
Indeno[1,2,3-cd]pyrene	ND		0.030	0.10
Dibenz(a,h)anthracene	ND		0.030	0.10
Benzo[g,h,i]perylene	ND		0.030	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	75		20 - 150

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-1

Client Sample ID: JW-FB-120507

Lab Sample ID: 580-32803-55

Date Sampled: 05/07/2012 1900

Client Matrix: Water

Date Received: 05/08/2012 1420

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-111929	Instrument ID:	TAC023
Prep Method:	3520C	Prep Batch:	580-111171	Lab File ID:	HP28002.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	05/23/2012 1525			Final Weight/Volume:	10 mL
Prep Date:	05/11/2012 1139			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Naphthalene	ND		0.035	0.096
2-Methylnaphthalene	ND		0.029	0.13
1-Methylnaphthalene	ND		0.029	0.096
Acenaphthylene	ND		0.029	0.096
Acenaphthene	ND		0.029	0.096
Fluorene	ND		0.029	0.096
Phenanthrene	ND		0.029	0.096
Anthracene	ND		0.029	0.096
Fluoranthene	ND		0.029	0.096
Pyrene	ND		0.029	0.096
Benzo[a]anthracene	ND		0.029	0.096
Chrysene	ND		0.029	0.096
Benzo[b]fluoranthene	ND		0.029	0.096
Benzo[k]fluoranthene	ND		0.029	0.096
Benzo[a]pyrene	ND		0.029	0.19
Indeno[1,2,3-cd]pyrene	ND		0.029	0.096
Dibenz(a,h)anthracene	ND		0.029	0.096
Benzo[g,h,i]perylene	ND		0.029	0.096

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	74		20 - 150

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1325				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	49		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	51		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1800		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1540				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Date Sampled: 05/07/2012 1528

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	29000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1341				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	49		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	51		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1600		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1553				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA06-COMP-120507

Lab Sample ID: 580-32803-15
 Client Matrix: Solid

Date Sampled: 05/07/2012 1600
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1345				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	54		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	46		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1200		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1607				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16
 Client Matrix: Solid

Date Sampled: 05/07/2012 1025
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	24000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1349				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	62		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	38		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1620				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Date Sampled: 05/07/2012 1244

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1354				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	70		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1600		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1633				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Date Sampled: 05/07/2012 1234

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	25000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1403				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	60		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	40		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1646				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Date Sampled: 05/07/2012 1220

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	23000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1407				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	61		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	39		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1700				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Date Sampled: 05/07/2012 0903

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	16000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1411				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	63		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	37		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1300		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1713				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Date Sampled: 05/07/2012 1614

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1416				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	63		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	37		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1400		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1740				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA07-COMP-120507

Lab Sample ID: 580-32803-26
 Client Matrix: Solid

Date Sampled: 05/07/2012 1633
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	31000		mg/Kg	610	2000	1.0	9060_PSEP
Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1420		DryWt Corrected: N			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	59		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Percent Moisture	41		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Black Carbon	1600		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1753		DryWt Corrected: N			

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30
 Client Matrix: Solid

Date Sampled: 05/07/2012 1653
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	25000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1424				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	43		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	57		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1807				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36
 Client Matrix: Solid

Date Sampled: 05/07/2012 1710
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1429				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	43		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	57		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1700		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1820				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Date Sampled: 05/07/2012 1715

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	17000		mg/Kg	610	2000	1.0	9060_PSEP
Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1433		DryWt Corrected: N			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	65		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Percent Moisture	35		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Black Carbon	1300		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1833		DryWt Corrected: N			

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Date Sampled: 05/07/2012 1510

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1437				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	59		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	41		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	2100		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1847				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Date Sampled: 05/07/2012 1500

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1441				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	49		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	51		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1700		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1900				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44

Date Sampled: 05/07/2012 1522

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	29000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1450				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	38		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	62		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1900		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1913				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45
 Client Matrix: Solid

Date Sampled: 05/07/2012 1515
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	39000		mg/Kg	610	2000	1.0	9060_PSEP
Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1455		DryWt Corrected: N			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	47		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Percent Moisture	53		%	0.10	0.10	1.0	D 2216
Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120		DryWt Corrected: N			
Black Carbon	1900		mg/Kg	1000	1000	1.0	Lloyd Kahn
Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1927		DryWt Corrected: N			

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46
 Client Matrix: Solid

Date Sampled: 05/07/2012 1739
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1459				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	47		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	53		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1700		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 1940				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-1

General Chemistry

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53
 Client Matrix: Solid

Date Sampled: 05/07/2012 1803
 Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113143		Analysis Date: 06/08/2012 1503				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	58		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Percent Moisture	42		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111368		Analysis Date: 05/15/2012 1120				DryWt Corrected: N
Black Carbon	1400		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39474		Analysis Date: 05/29/2012 2007				DryWt Corrected: N

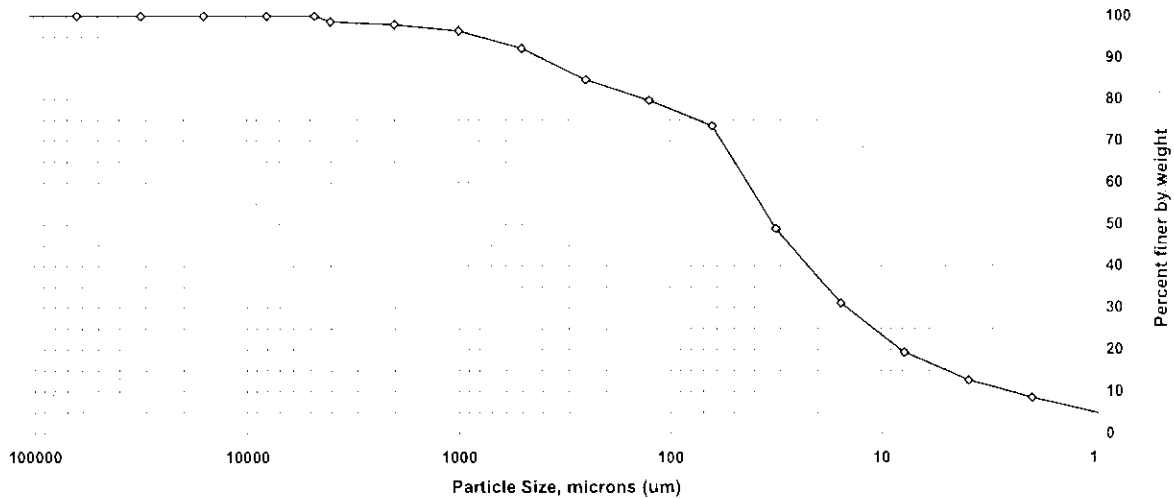


Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA58-COMP-120507
 Lab ID: 580-32803-A-7

Percent Solids: 49%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/12/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	98.6	1.4
#10	2000	98.0	0.6
#18	1000	96.5	1.5
#35	500	92.2	4.3
#60	250	84.7	7.5
#120	125	79.7	5.0
#230	63	73.5	6.2
Phi Size 4 to 5	31.42	48.9	24.6
Phi Size 5 to 6	15.6	31.1	17.8
Phi Size 6 to 7	7.8	19.3	11.8
Phi Size 7 to 8	3.9	12.7	6.6
Phi Size 8 to 9	1.95	8.5	4.2
Phi Size 9 to 10	0.98	5.1	3.5
Phi Size 10 to 11	0.49	0.0	5.1
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	2.0
Sand	25
Very Coarse Sand	1.5
Coarse Sand	4.3
Medium Sand	7.5
Fine Sand	5.0
Very Fine Sand	6.2
Silt	61
Coarse Silt	24.6
Medium Silt	17.8
Fine Silt	11.8
Very Fine Silt	6.6
Clay	13
Coarse Clay	4.2
Medium Clay	3.5
Fine Clay	5.1

Percent finer by weight

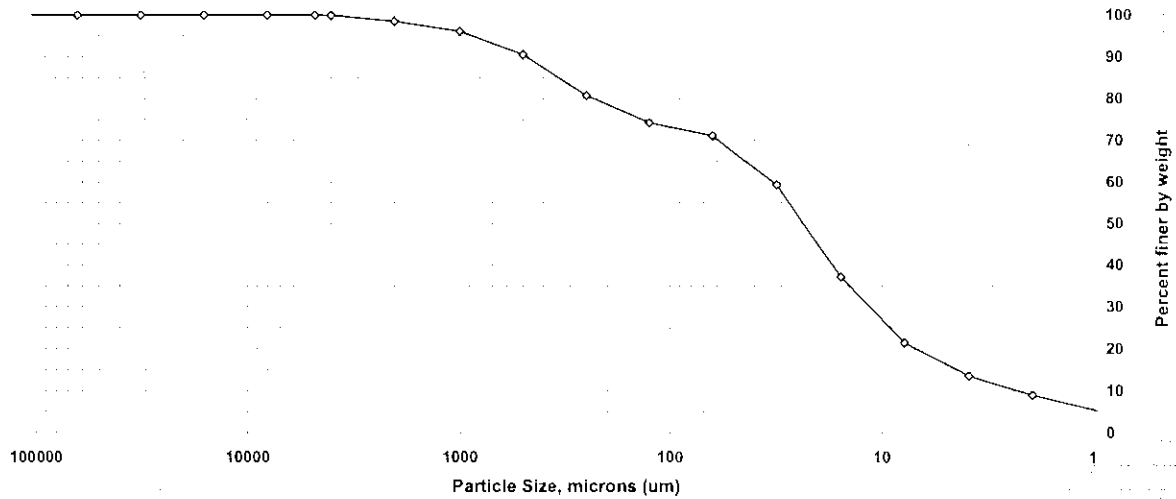
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA58-COMP-120507
 Lab ID: 580-32803-A-7 dup

Percent Solids: 49%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/14/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.9	0.1
#10	2000	98.5	1.4
#18	1000	96.1	2.4
#35	500	90.6	5.5
#60	250	80.8	9.8
#120	125	74.2	6.6
#230	63	71.1	3.1
Phi Size 4 to 5	31.42	59.3	11.8
Phi Size 5 to 6	15.6	37.2	22.1
Phi Size 6 to 7	7.8	21.4	15.8
Phi Size 7 to 8	3.9	13.5	7.8
Phi Size 8 to 9	1.95	9.0	4.6
Phi Size 9 to 10	0.98	5.5	3.5
Phi Size 10 to 11	0.49	0.0	5.5
>Phi Size 11	<0.98	0.0	0.0

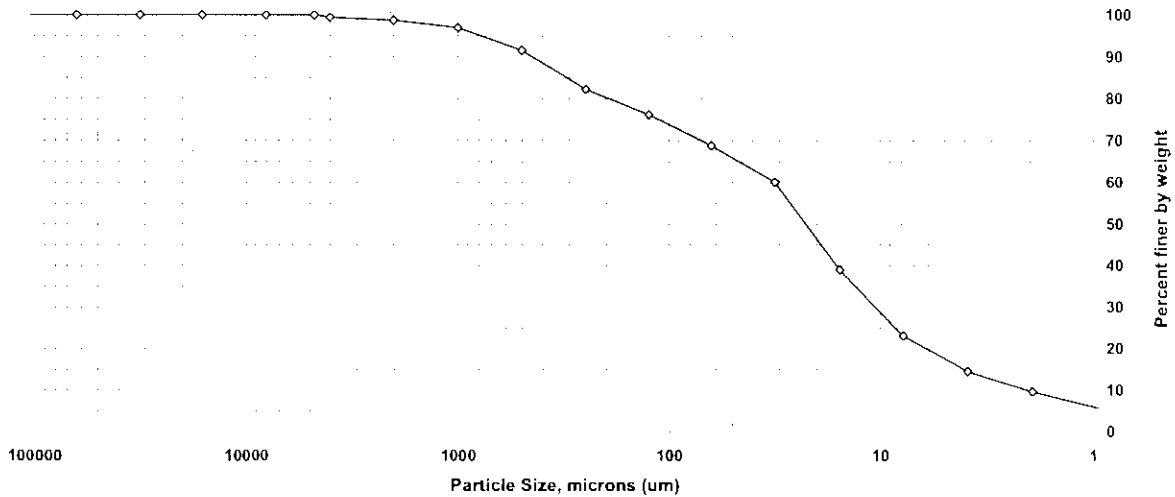
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.5
Sand	27.4
Very Coarse Sand	2.4
Coarse Sand	5.5
Medium Sand	9.8
Fine Sand	6.6
Very Fine Sand	3.1
Silt	57.6
Coarse Silt	11.8
Medium Silt	22.1
Fine Silt	15.8
Very Fine Silt	7.8
Clay	13.5
Coarse Clay	4.6
Medium Clay	3.5
Fine Clay	5.5

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA58-COMP-120507
 Lab ID: 580-32803-A-7 trip

Percent Solids: 49%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/14/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.4	0.6
#10	2000	98.7	0.7
#18	1000	97.0	1.7
#35	500	91.6	5.4
#60	250	82.2	9.4
#120	125	76.2	6.0
#230	63	68.8	7.4
Phi Size 4 to 5	31.42	60.1	8.7
Phi Size 5 to 6	15.6	39.0	21.1
Phi Size 6 to 7	7.8	23.1	15.9
Phi Size 7 to 8	3.9	14.5	8.6
Phi Size 8 to 9	1.95	9.7	4.8
Phi Size 9 to 10	0.98	5.9	3.8
Phi Size 10 to 11	0.49	0.0	5.9
>Phi Size 11	<0.98		0.0

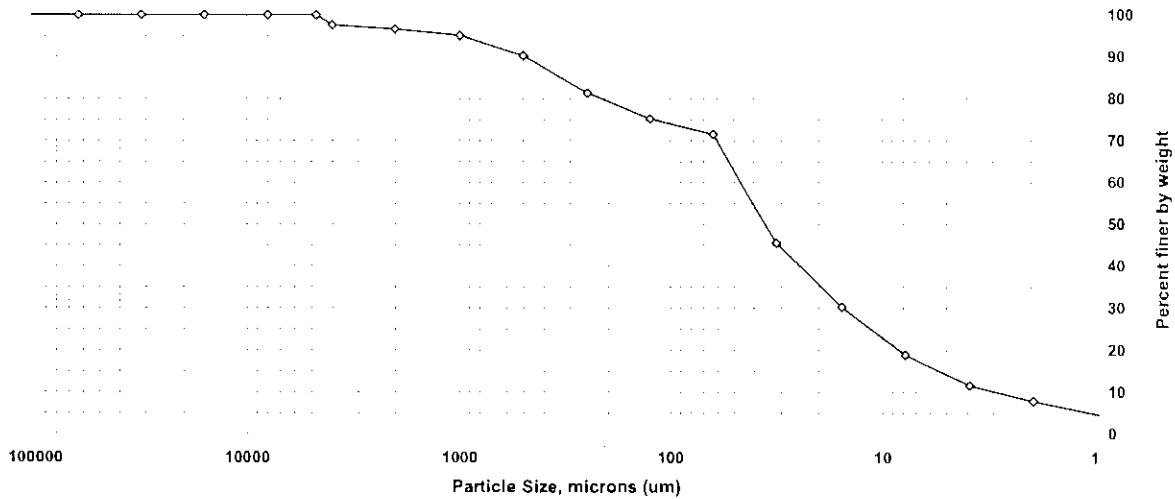
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.3
Sand	29.9
Very Coarse Sand	1.7
Coarse Sand	5.4
Medium Sand	9.4
Fine Sand	6.0
Very Fine Sand	7.4
Silt	54.3
Coarse Silt	8.7
Medium Silt	21.1
Fine Silt	15.9
Very Fine Silt	8.6
Clay	14.5
Coarse Clay	4.8
Medium Clay	3.8
Fine Clay	5.9

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA08-COMP-120507
 Lab ID: 580-32803-A-10

Percent Solids: 49%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/14/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	97.6	2.4
#10	2000	96.6	1.0
#18	1000	95.1	1.5
#35	500	90.3	4.8
#60	250	81.4	8.9
#120	125	75.2	6.2
#230	63	71.5	3.7
Phi Size 4 to 5	31.42	45.5	26.0
Phi Size 5 to 6	15.6	30.2	15.3
Phi Size 6 to 7	7.8	18.8	11.4
Phi Size 7 to 8	3.9	11.6	7.3
Phi Size 8 to 9	1.95	7.8	3.8
Phi Size 9 to 10	0.98	4.8	3.0
Phi Size 10 to 11	0.49	0.0	4.8
>Phi Size 11	<0.98	0.0	0.0

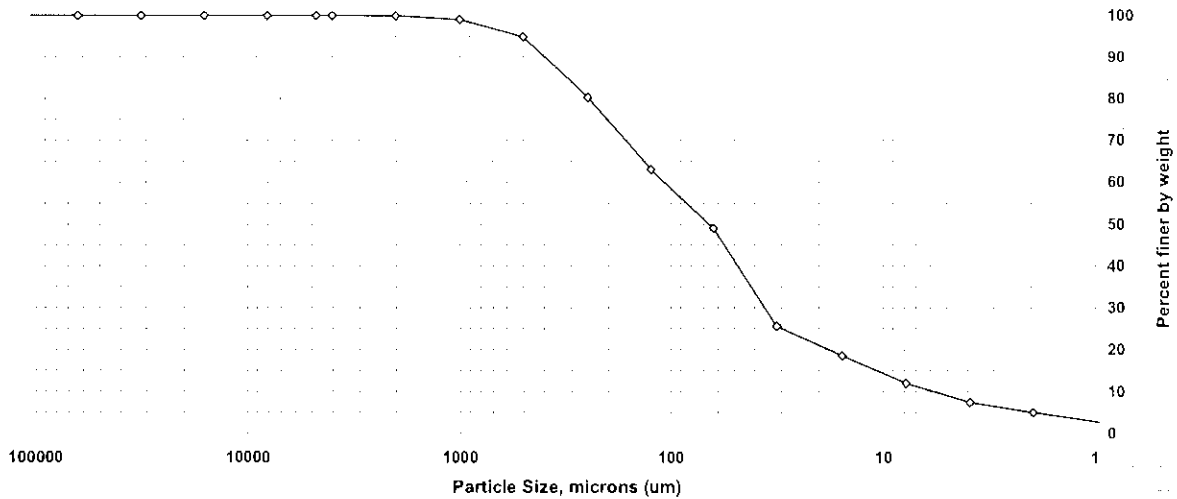
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	3.4
Sand	25
Very Coarse Sand	1.5
Coarse Sand	4.8
Medium Sand	8.9
Fine Sand	6.2
Very Fine Sand	3.7
Silt	60
Coarse Silt	26.0
Medium Silt	15.3
Fine Silt	11.4
Very Fine Silt	7.3
Clay	12
Coarse Clay	3.8
Medium Clay	3.0
Fine Clay	4.8

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA06-COMP-120507
 Lab ID: 580-32803-A-15

Percent Solids: 54%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.9	0.1
#18	1000	99.1	0.8
#35	500	94.9	4.2
#60	250	80.3	14.6
#120	125	63.0	17.3
#230	63	49.0	14.0
Phi Size 4 to 5	31.42	25.6	23.4
Phi Size 5 to 6	15.6	18.6	7.1
Phi Size 6 to 7	7.8	12.0	6.6
Phi Size 7 to 8	3.9	7.4	4.5
Phi Size 8 to 9	1.95	5.1	2.4
Phi Size 9 to 10	0.98	2.8	2.2
Phi Size 10 to 11	0.49	0.0	2.8
>Phi Size 11	<0.98		0.0

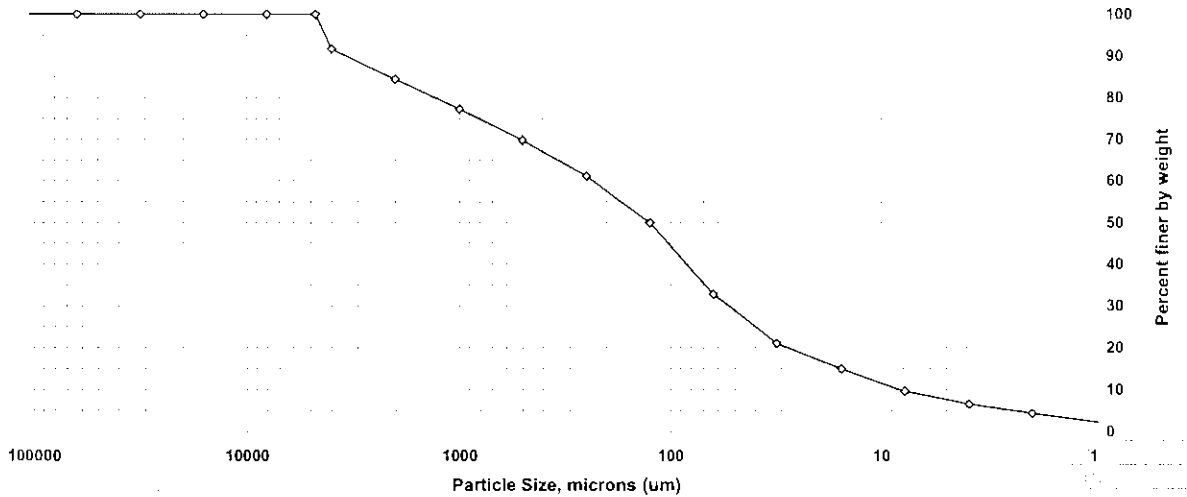
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	51
Very Coarse Sand	0.8
Coarse Sand	4.2
Medium Sand	14.6
Fine Sand	17.3
Very Fine Sand	14.0
Silt	42
Coarse Silt	23.4
Medium Silt	7.1
Fine Silt	6.6
Very Fine Silt	4.5
Clay	7.4
Coarse Clay	2.4
Medium Clay	2.2
Fine Clay	2.8

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-SS39-120507
 Lab ID: 580-32803-A-16

Percent Solids: 62%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	91.7	8.3
#10	2000	84.5	7.2
#18	1000	77.3	7.2
#35	500	69.8	7.5
#60	250	61.2	8.6
#120	125	49.9	11.3
#230	63	32.8	17.1
Phi Size 4 to 5	31.42	21.1	11.7
Phi Size 5 to 6	15.6	14.9	6.1
Phi Size 6 to 7	7.8	9.6	5.3
Phi Size 7 to 8	3.9	6.5	3.1
Phi Size 8 to 9	1.95	4.3	2.2
Phi Size 9 to 10	0.98	2.4	1.9
Phi Size 10 to 11	0.49	0.0	2.4
>Phi Size 11	<0.075		0.0

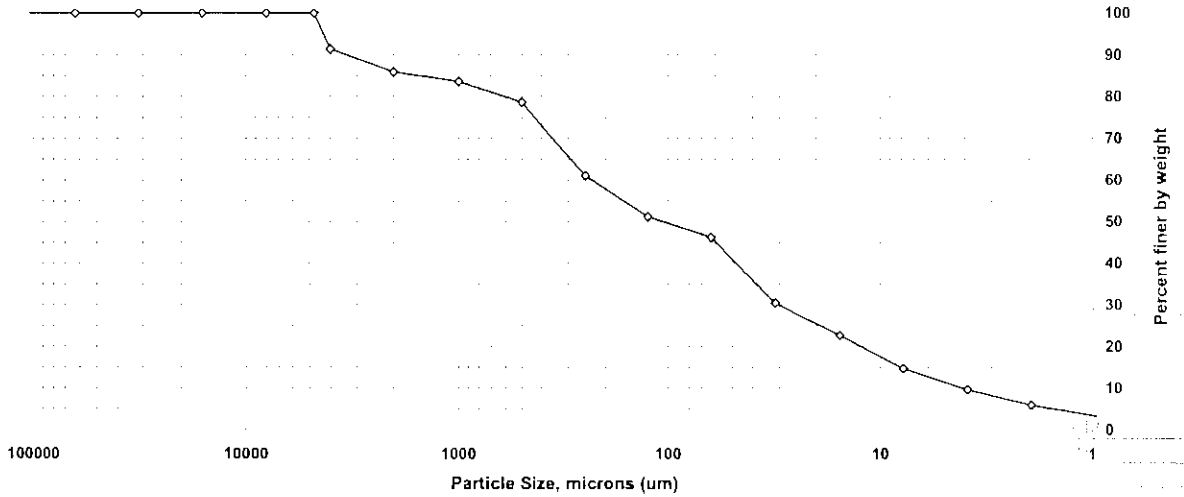
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	16
Sand	52
Very Coarse Sand	7.2
Coarse Sand	7.5
Medium Sand	8.6
Fine Sand	11.3
Very Fine Sand	17.1
Silt	26
Coarse Silt	11.7
Medium Silt	6.1
Fine Silt	5.3
Very Fine Silt	3.1
Clay	6.5
Coarse Clay	2.2
Medium Clay	1.9
Fine Clay	2.4

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-SS41-120507
 Lab ID: 580-32803-A-17

Percent Solids: 70%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	91.4	8.6
#10	2000	85.9	5.5
#18	1000	83.6	2.3
#35	500	78.6	5.0
#60	250	61.0	17.6
#120	125	51.2	9.8
#230	63	46.2	5.0
Phi Size 4 to 5	31.42	30.4	15.8
Phi Size 5 to 6	15.6	22.6	7.8
Phi Size 6 to 7	7.8	14.7	7.9
Phi Size 7 to 8	3.9	9.7	5.1
Phi Size 8 to 9	1.95	6.0	3.7
Phi Size 9 to 10	0.98	3.5	2.5
Phi Size 10 to 11	0.49	0.0	3.5
>Phi Size 11	<0.98	0.0	0.0

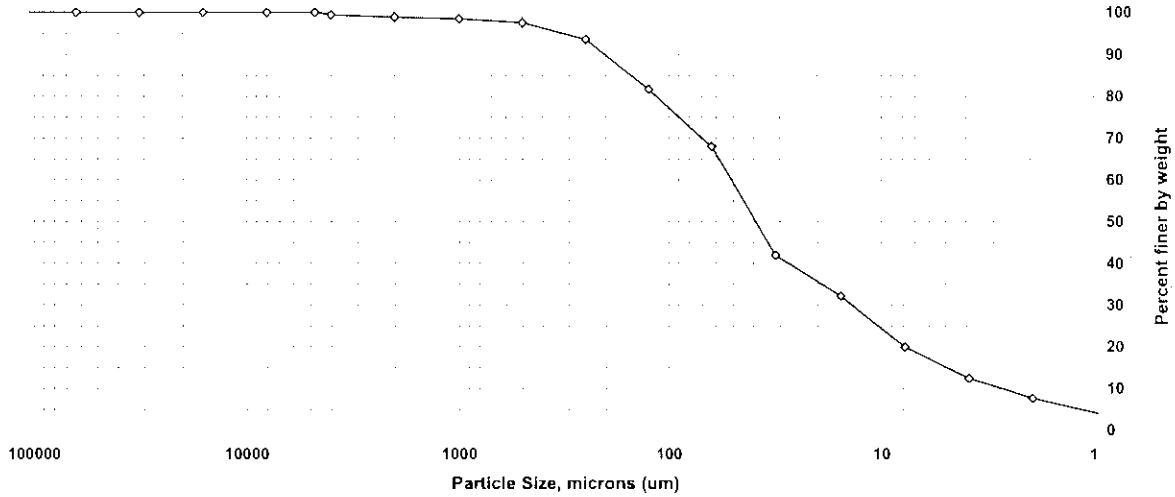
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	14
Sand	40
Very Coarse Sand	2.3
Coarse Sand	5.0
Medium Sand	17.6
Fine Sand	9.8
Very Fine Sand	5.0
Silt	37
Coarse Silt	15.8
Medium Silt	7.8
Fine Silt	7.9
Very Fine Silt	5.1
Clay	9.7
Coarse Clay	3.7
Medium Clay	2.5
Fine Clay	3.5

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-SS40-120507
 Lab ID: 580-32803-A-18

Percent Solids: 60%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.4	0.6
#10	2000	98.9	0.5
#18	1000	98.5	0.4
#35	500	97.6	0.9
#60	250	93.6	4.0
#120	125	81.7	11.9
#230	63	68.0	13.7
Phi Size 4 to 5	31.42	41.9	26.1
Phi Size 5 to 6	15.6	32.2	9.7
Phi Size 6 to 7	7.8	20.0	12.2
Phi Size 7 to 8	3.9	12.5	7.5
Phi Size 8 to 9	1.95	7.7	4.7
Phi Size 9 to 10	0.98	4.1	3.6
Phi Size 10 to 11	0.49	0.0	4.1
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.1
Sand	31
Very Coarse Sand	0.4
Coarse Sand	0.9
Medium Sand	4.0
Fine Sand	11.9
Very Fine Sand	13.7
Silt	56
Coarse Silt	26.1
Medium Silt	9.7
Fine Silt	12.2
Very Fine Silt	7.5
Clay	12
Coarse Clay	4.7
Medium Clay	3.6
Fine Clay	4.1

Percent finer by weight

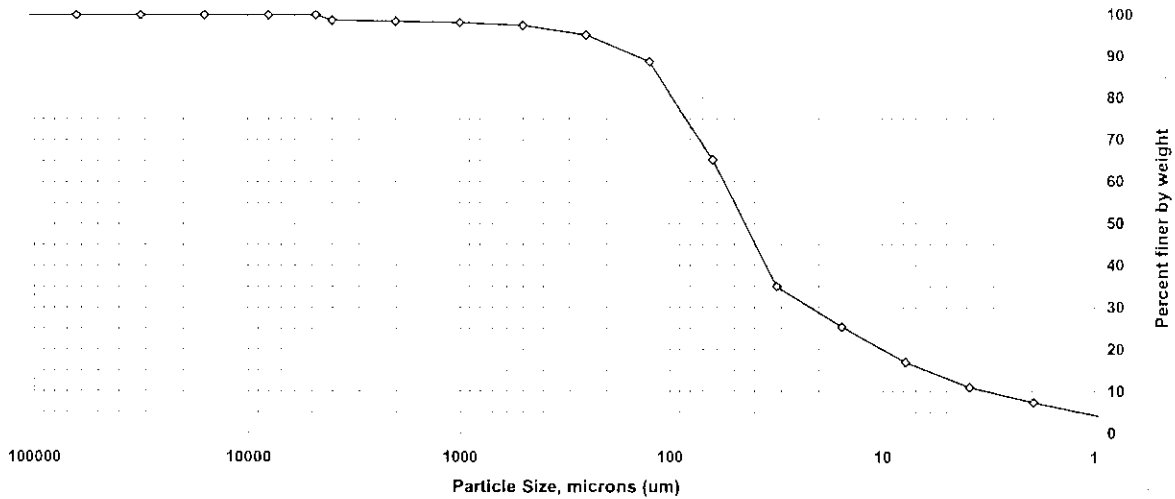
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-SS43-120507
 Lab ID: 580-32803-A-19

Percent Solids: 61%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	98.7	1.3
#10	2000	98.4	0.3
#18	1000	98.1	0.3
#35	500	97.4	0.7
#60	250	95.1	2.3
#120	125	88.6	6.5
#230	63	65.2	23.4
Phi Size 4 to 5	31.42	34.9	30.3
Phi Size 5 to 6	15.6	25.3	9.6
Phi Size 6 to 7	7.8	16.9	8.4
Phi Size 7 to 8	3.9	10.9	6.0
Phi Size 8 to 9	1.95	7.3	3.6
Phi Size 9 to 10	0.98	4.2	3.1
Phi Size 10 to 11	0.49	0.0	4.2
>Phi Size 11	<0.98		0.0

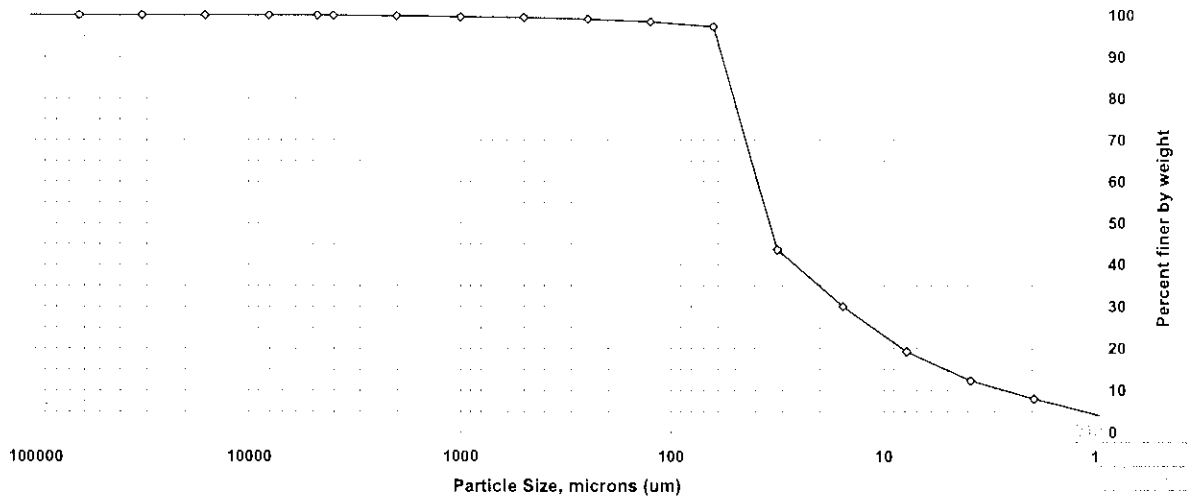
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.6
Sand	33
Very Coarse Sand	0.3
Coarse Sand	0.7
Medium Sand	2.3
Fine Sand	6.5
Very Fine Sand	23.4
Silt	54
Coarse Silt	30.3
Medium Silt	9.6
Fine Silt	8.4
Very Fine Silt	6.0
Clay	11
Coarse Clay	3.6
Medium Clay	3.1
Fine Clay	4.2

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-SS42-120507
 Lab ID: 580-32803-A-20

Percent Solids: 63%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.9	0.1
#10	2000	99.8	0.1
#18	1000	99.6	0.2
#35	500	99.4	0.2
#60	250	99.1	0.3
#120	125	98.4	0.7
#230	63	97.3	1.1
Phi Size 4 to 5	31.42	43.6	53.7
Phi Size 5 to 6	15.6	30.0	13.6
Phi Size 6 to 7	7.8	19.2	10.8
Phi Size 7 to 8	3.9	12.4	6.9
Phi Size 8 to 9	1.95	8.0	4.3
Phi Size 9 to 10	0.98	4.3	3.8
Phi Size 10 to 11	0.49	0.0	4.3
>Phi Size 11	<0.98		0.0

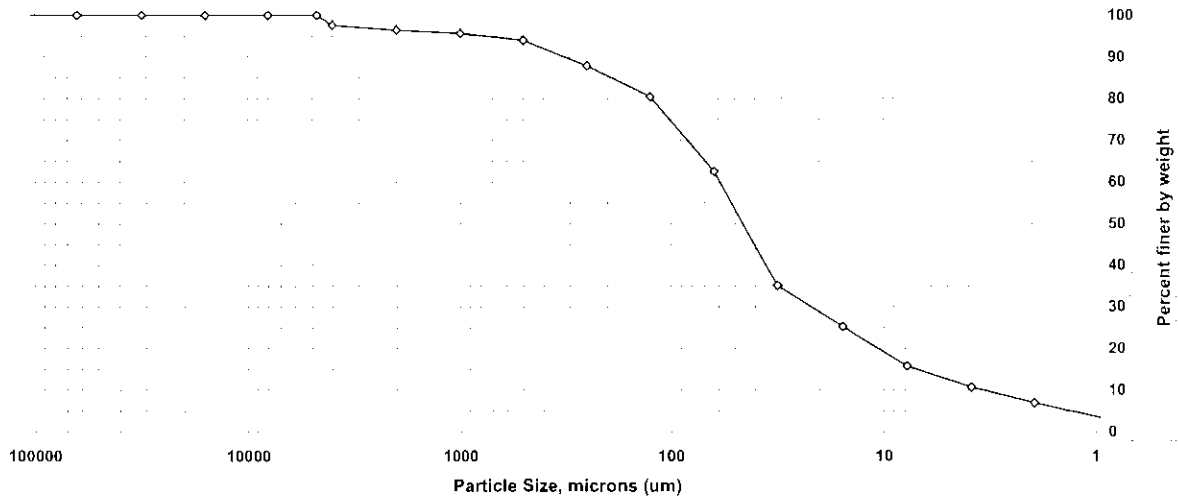
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.2
Sand	2.5
Very Coarse Sand	0.2
Coarse Sand	0.2
Medium Sand	0.3
Fine Sand	0.7
Very Fine Sand	1.1
Silt	85
Coarse Silt	53.7
Medium Silt	13.6
Fine Silt	10.8
Very Fine Silt	6.9
Clay	12
Coarse Clay	4.3
Medium Clay	3.8
Fine Clay	4.3

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA10-COMP-120507
 Lab ID: 580-32803-A-21

Percent Solids: 63%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	97.6	2.4
#10	2000	96.5	1.1
#18	1000	95.7	0.8
#35	500	94.0	1.7
#60	250	87.9	6.1
#120	125	80.4	7.5
#230	63	62.5	17.9
Phi Size 4 to 5	31.42	35.1	27.4
Phi Size 5 to 6	15.6	25.3	9.9
Phi Size 6 to 7	7.8	15.8	9.5
Phi Size 7 to 8	3.9	10.6	5.2
Phi Size 8 to 9	1.95	6.9	3.7
Phi Size 9 to 10	0.98	3.6	3.3
Phi Size 10 to 11	0.49	0.0	3.6
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	3.5
Sand	34
Very Coarse Sand	0.8
Coarse Sand	1.7
Medium Sand	6.1
Fine Sand	7.5
Very Fine Sand	17.9
Silt	52
Coarse Silt	27.4
Medium Silt	9.9
Fine Silt	9.5
Very Fine Silt	5.2
Clay	11
Coarse Clay	3.7
Medium Clay	3.3
Fine Clay	3.6

Prepared by: [Name]

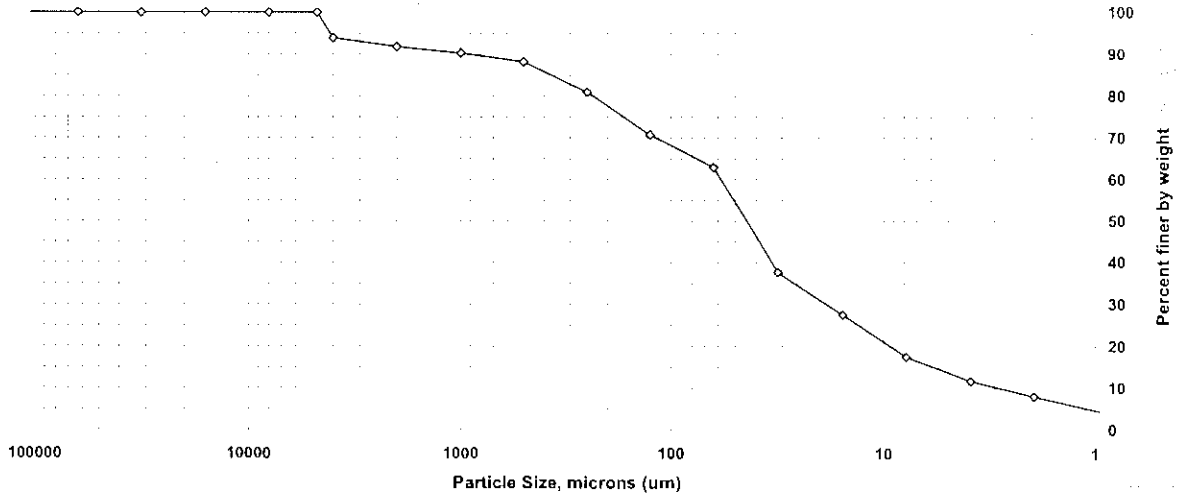
[Name]

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA07-COMP-120507
 Lab ID: 580-32803-A-26

Percent Solids: 59%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	93.9	6.1
#10	2000	91.8	2.1
#18	1000	90.3	1.5
#35	500	88.2	2.1
#60	250	80.9	7.3
#120	125	70.7	10.2
#230	63	62.9	7.8
Phi Size 4 to 5	31.42	37.7	25.2
Phi Size 5 to 6	15.6	27.5	10.2
Phi Size 6 to 7	7.8	17.5	10.0
Phi Size 7 to 8	3.9	11.6	5.8
Phi Size 8 to 9	1.95	8.0	3.6
Phi Size 9 to 10	0.98	4.7	3.3
Phi Size 10 to 11	0.49	0.0	4.7
>Phi Size 11	<0.98	0.0	0.0

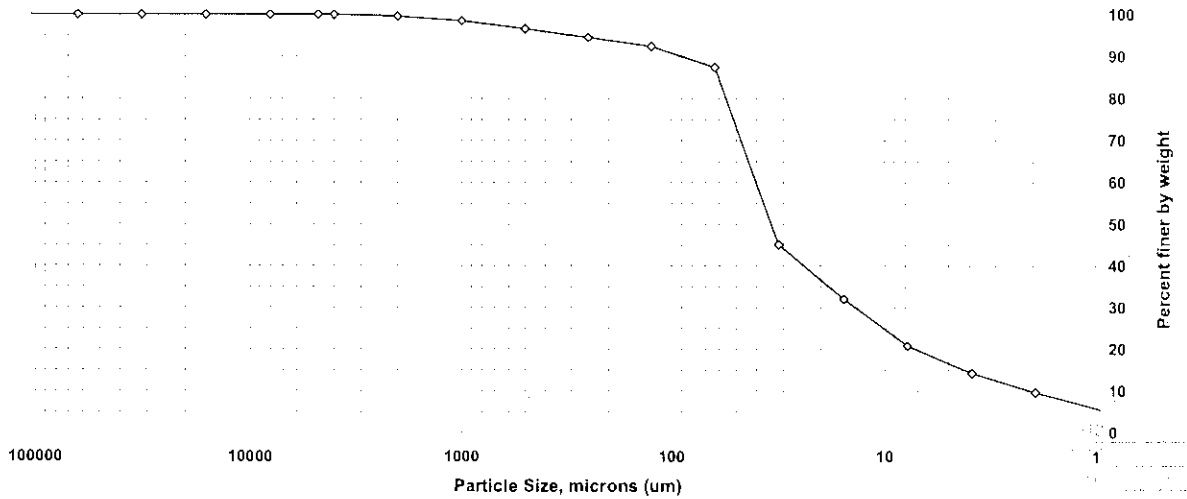
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	8.2
Sand	29
Very Coarse Sand	1.5
Coarse Sand	2.1
Medium Sand	7.3
Fine Sand	10.2
Very Fine Sand	7.8
Silt	51
Coarse Silt	25.2
Medium Silt	10.2
Fine Silt	10.0
Very Fine Silt	5.8
Clay	12
Coarse Clay	3.6
Medium Clay	3.3
Fine Clay	4.7

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA03-COMP-120507
 Lab ID: 580-32803-A-30

Percent Solids: 43%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.6	0.4
#18	1000	98.5	1.1
#35	500	96.6	1.9
#60	250	94.5	2.1
#120	125	92.4	2.1
#230	63	87.4	5.0
Phi Size 4 to 5	31.42	45.1	42.3
Phi Size 5 to 6	15.6	32.1	13.1
Phi Size 6 to 7	7.8	20.9	11.2
Phi Size 7 to 8	3.9	14.2	6.7
Phi Size 8 to 9	1.95	9.7	4.5
Phi Size 9 to 10	0.98	5.7	4.0
Phi Size 10 to 11	0.49	0.0	5.7
>Phi Size 11	<0.98		0.0

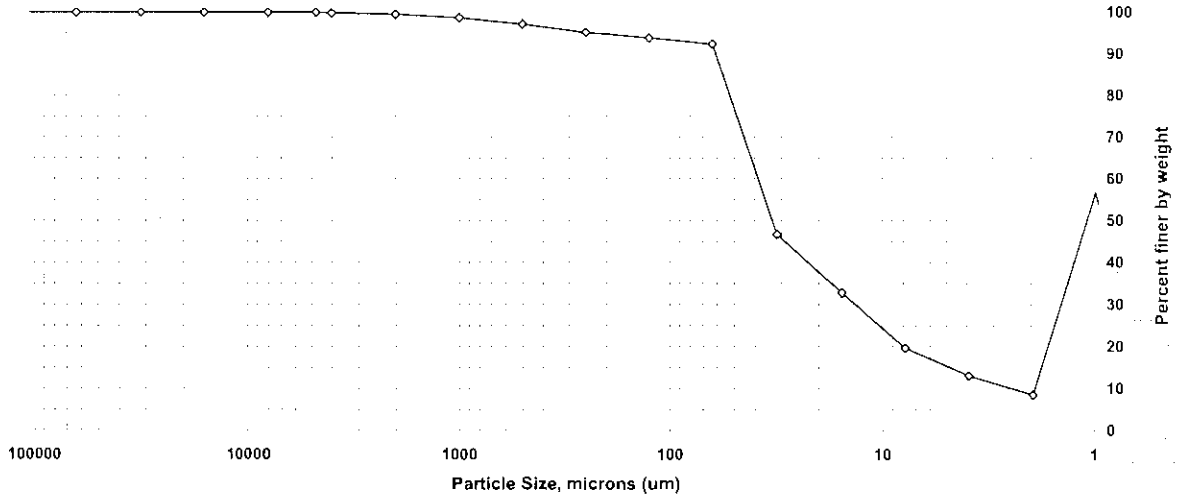
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.4
Sand	12
Very Coarse Sand	1.1
Coarse Sand	1.9
Medium Sand	2.1
Fine Sand	2.1
Very Fine Sand	5.0
Silt	73
Coarse Silt	42.3
Medium Silt	13.1
Fine Silt	11.2
Very Fine Silt	6.7
Clay	14
Coarse Clay	4.5
Medium Clay	4.0
Fine Clay	5.7

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA02-COMP-120507
 Lab ID: 580-32803-A-36

Percent Solids: 43%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	99.8	0.2
#10	2000	99.5	0.3
#18	1000	98.6	0.9
#35	500	97.1	1.5
#60	250	95.2	1.9
#120	125	93.8	1.4
#230	63	92.3	1.5
Phi Size 4 to 5	31.42	46.7	45.6
Phi Size 5 to 6	15.6	32.7	14.0
Phi Size 6 to 7	7.8	19.7	13.0
Phi Size 7 to 8	3.9	13.0	6.7
Phi Size 8 to 9	1.95	8.5	4.4
Phi Size 9 to 10	0.98	56.7	-48.1
Phi Size 10 to 11	0.49	0.0	56.7
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.5
Sand	7.2
Very Coarse Sand	0.9
Coarse Sand	1.5
Medium Sand	1.9
Fine Sand	1.4
Very Fine Sand	1.5
Silt	79
Coarse Silt	45.6
Medium Silt	14.0
Fine Silt	13.0
Very Fine Silt	6.7
Clay	13
Coarse Clay	4.4
Medium Clay	-48.1
Fine Clay	56.7

Percent finer by weight

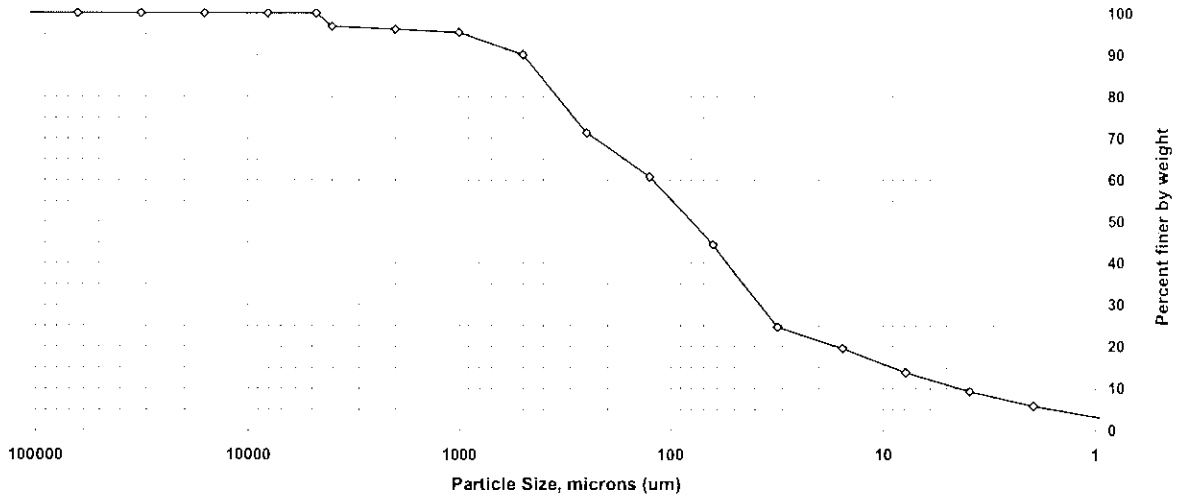
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA04-COMP-120507
 Lab ID: 580-32803-A-41

Percent Solids: 65%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	96.8	3.2
#10	2000	96.1	0.7
#18	1000	95.4	0.7
#35	500	90.1	5.3
#60	250	71.3	18.8
#120	125	60.7	10.6
#230	63	44.4	16.3
Phi Size 4 to 5	31.42	24.7	19.7
Phi Size 5 to 6	15.6	19.6	5.1
Phi Size 6 to 7	7.8	13.8	5.8
Phi Size 7 to 8	3.9	9.3	4.5
Phi Size 8 to 9	1.95	5.9	3.4
Phi Size 9 to 10	0.98	3.2	2.7
Phi Size 10 to 11	0.49	0.0	3.2
>Phi Size 11	<0.98		0.0

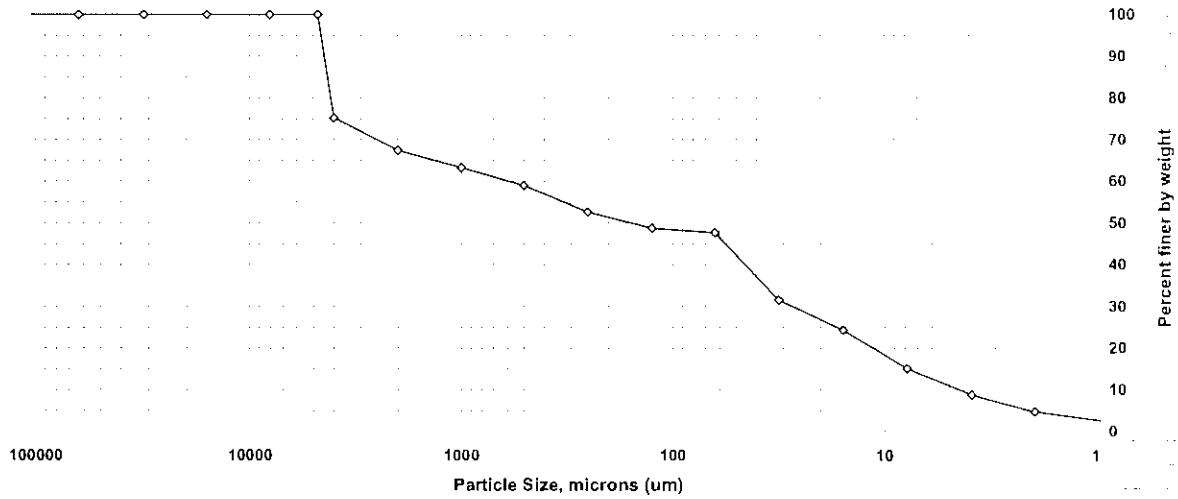
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	3.9
Sand	52
Very Coarse Sand	0.7
Coarse Sand	5.3
Medium Sand	18.8
Fine Sand	10.6
Very Fine Sand	16.3
Silt	35
Coarse Silt	19.7
Medium Silt	5.1
Fine Silt	5.8
Very Fine Silt	4.5
Clay	9.3
Coarse Clay	3.4
Medium Clay	2.7
Fine Clay	3.2

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS03-120507
 Lab ID: 580-32803-A-42

Percent Solids: 59%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	75.2	24.8
#10	2000	67.4	7.8
#18	1000	63.2	4.2
#35	500	58.9	4.3
#60	250	52.6	6.3
#120	125	48.7	3.9
#230	63	47.6	1.1
Phi Size 4 to 5	31.42	31.5	16.1
Phi Size 5 to 6	15.6	24.3	7.2
Phi Size 6 to 7	7.8	15.0	9.3
Phi Size 7 to 8	3.9	8.8	6.3
Phi Size 8 to 9	1.95	4.8	4.0
Phi Size 9 to 10	0.98	2.7	2.1
Phi Size 10 to 11	0.49	0.0	2.7
>Phi Size 11	<0.075	0.0	0.0

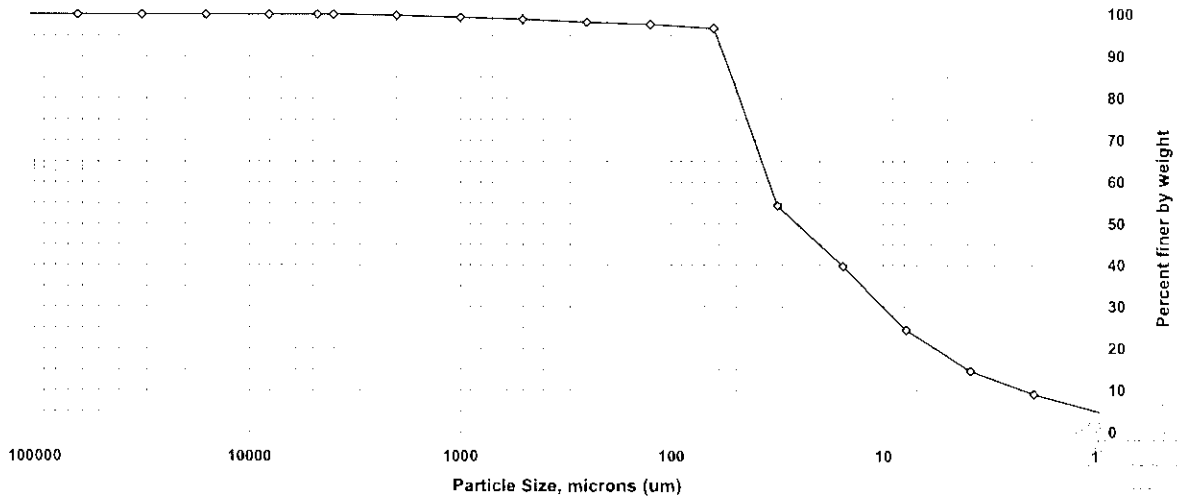
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	33
Sand	20
Very Coarse Sand	4.2
Coarse Sand	4.3
Medium Sand	6.3
Fine Sand	3.9
Very Fine Sand	1.1
Silt	39
Coarse Silt	16.1
Medium Silt	7.2
Fine Silt	9.3
Very Fine Silt	6.3
Clay	8.8
Coarse Clay	4.0
Medium Clay	2.1
Fine Clay	2.7

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS04-120507
 Lab ID: 580-32803-A-43

Percent Solids: 49%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/7/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.7	0.3
#18	1000	99.3	0.4
#35	500	98.8	0.5
#60	250	98.1	0.7
#120	125	97.6	0.5
#230	63	96.7	0.9
Phi Size 4 to 5	31.42	54.3	42.4
Phi Size 5 to 6	15.6	39.7	14.6
Phi Size 6 to 7	7.8	24.4	15.3
Phi Size 7 to 8	3.9	14.6	9.8
Phi Size 8 to 9	1.95	9.1	5.5
Phi Size 9 to 10	0.98	5.0	4.1
Phi Size 10 to 11	0.49	0.0	5.0
>Phi Size 11	<0.98		0.0

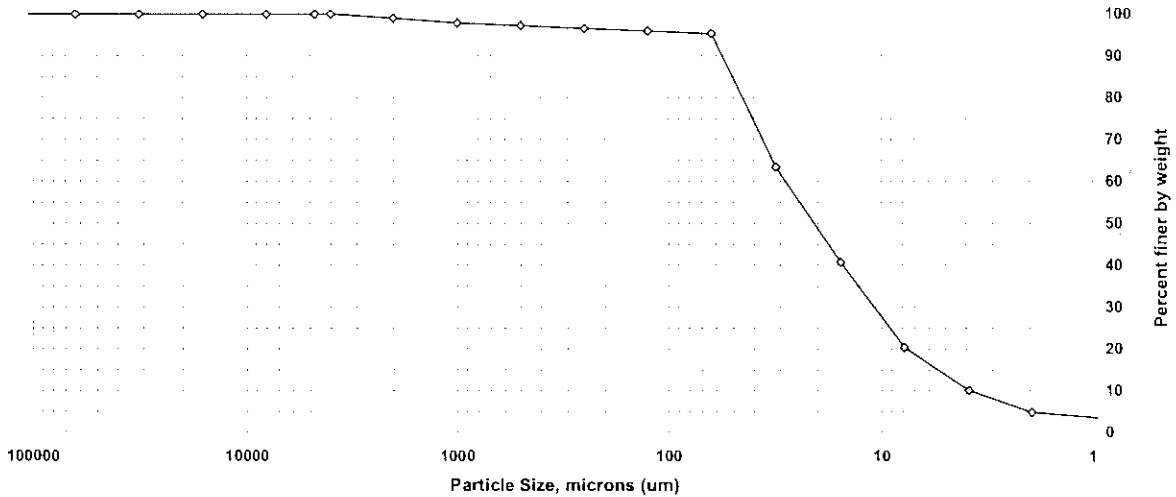
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.3
Sand	3.0
Very Coarse Sand	0.4
Coarse Sand	0.5
Medium Sand	0.7
Fine Sand	0.5
Very Fine Sand	0.9
Silt	82
Coarse Silt	42.4
Medium Silt	14.6
Fine Silt	15.3
Very Fine Silt	9.8
Clay	15
Coarse Clay	5.5
Medium Clay	4.1
Fine Clay	5.0

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS01-120507
 Lab ID: 580-32803-A-44

Percent Solids: 38%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.1	0.9
#18	1000	97.9	1.2
#35	500	97.3	0.6
#60	250	96.6	0.7
#120	125	96.0	0.6
#230	63	95.4	0.6
Phi Size 4 to 5	31.42	63.4	32.0
Phi Size 5 to 6	15.6	40.7	22.7
Phi Size 6 to 7	7.8	20.3	20.4
Phi Size 7 to 8	3.9	10.1	10.3
Phi Size 8 to 9	1.95	4.8	5.2
Phi Size 9 to 10	0.98	3.6	1.3
Phi Size 10 to 11	0.49	0.0	3.6
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.9
Sand	3.7
Very Coarse Sand	1.2
Coarse Sand	0.6
Medium Sand	0.7
Fine Sand	0.6
Very Fine Sand	0.6
Silt	85
Coarse Silt	32.0
Medium Silt	22.7
Fine Silt	20.4
Very Fine Silt	10.3
Clay	10
Coarse Clay	5.2
Medium Clay	1.3
Fine Clay	3.6

Percent finer by weight

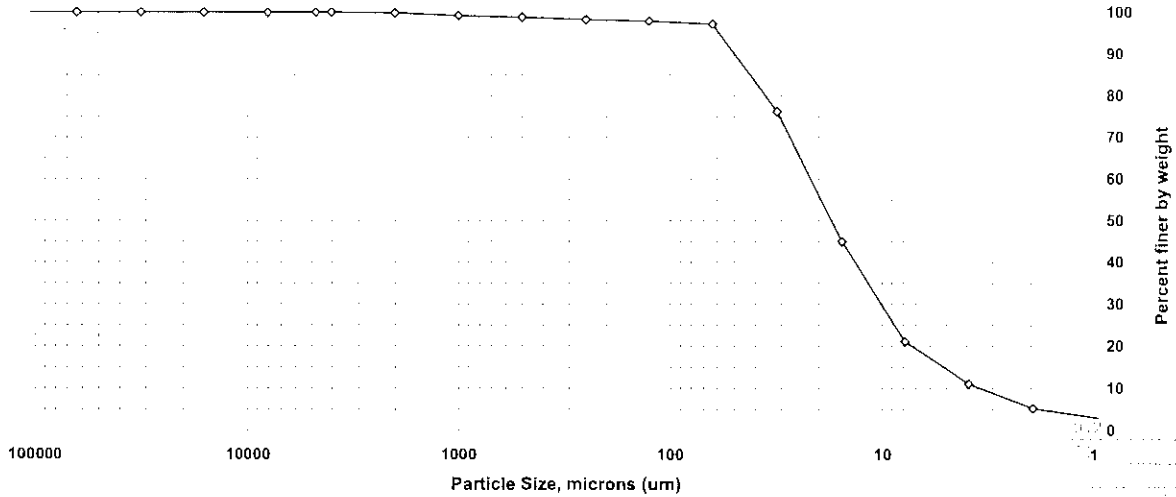
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS01-120507
 Lab ID: 580-32803-A-44 dup

Percent Solids: 38%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.8	0.2
#18	1000	99.2	0.6
#35	500	98.8	0.4
#60	250	98.3	0.5
#120	125	97.9	0.4
#230	63	97.2	0.7
Phi Size 4 to 5	31.42	76.2	21.0
Phi Size 5 to 6	15.6	45.0	31.3
Phi Size 6 to 7	7.8	21.1	23.9
Phi Size 7 to 8	3.9	11.1	10.0
Phi Size 8 to 9	1.95	5.2	5.9
Phi Size 9 to 10	0.98	3.1	2.1
Phi Size 10 to 11	0.49	0.0	3.1
>Phi Size 11	<0.98		0.0

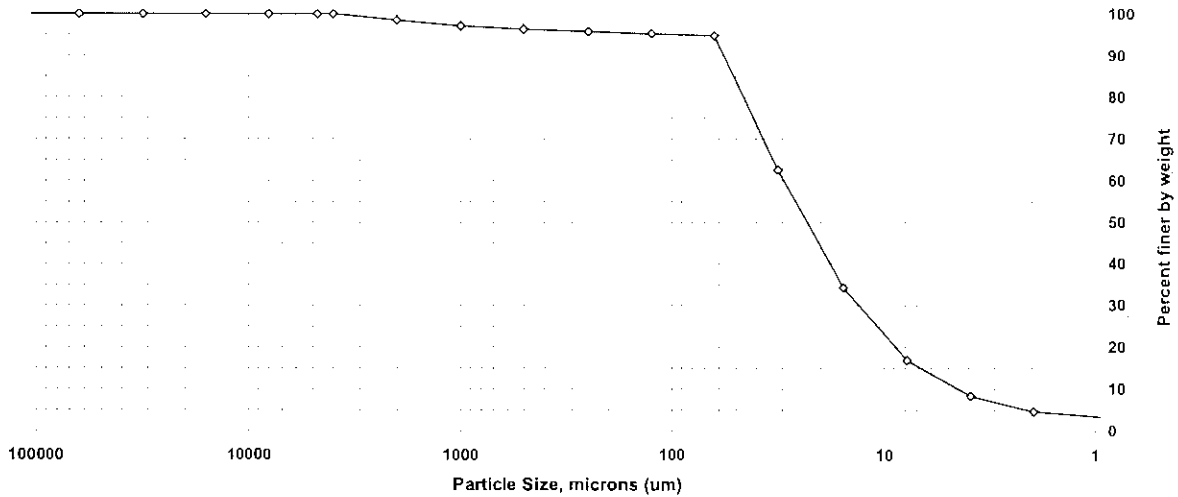
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.2
Sand	2.6
Very Coarse Sand	0.6
Coarse Sand	0.4
Medium Sand	0.5
Fine Sand	0.4
Very Fine Sand	0.7
Silt	86.1
Coarse Silt	21.0
Medium Silt	31.3
Fine Silt	23.9
Very Fine Silt	10.0
Clay	11.1
Coarse Clay	5.9
Medium Clay	2.1
Fine Clay	3.1

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS01-120507
 Lab ID: 560-32803-A-44 trip

Percent Solids: 38%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	98.5	1.5
#18	1000	97.1	1.4
#35	500	96.4	0.7
#60	250	95.8	0.6
#120	125	95.3	0.5
#230	63	94.8	0.5
Phi Size 4 to 5	31.42	62.6	32.2
Phi Size 5 to 6	15.6	34.3	28.3
Phi Size 6 to 7	7.8	16.9	17.3
Phi Size 7 to 8	3.9	8.3	8.6
Phi Size 8 to 9	1.95	4.6	3.7
Phi Size 9 to 10	0.98	3.5	1.2
Phi Size 10 to 11	0.49	0.0	3.5
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.5
Sand	3.7
Very Coarse Sand	1.4
Coarse Sand	0.7
Medium Sand	0.6
Fine Sand	0.5
Very Fine Sand	0.5
Silt	86.5
Coarse Silt	32.2
Medium Silt	28.3
Fine Silt	17.3
Very Fine Silt	8.6
Clay	8.3
Coarse Clay	3.7
Medium Clay	1.2
Fine Clay	3.5

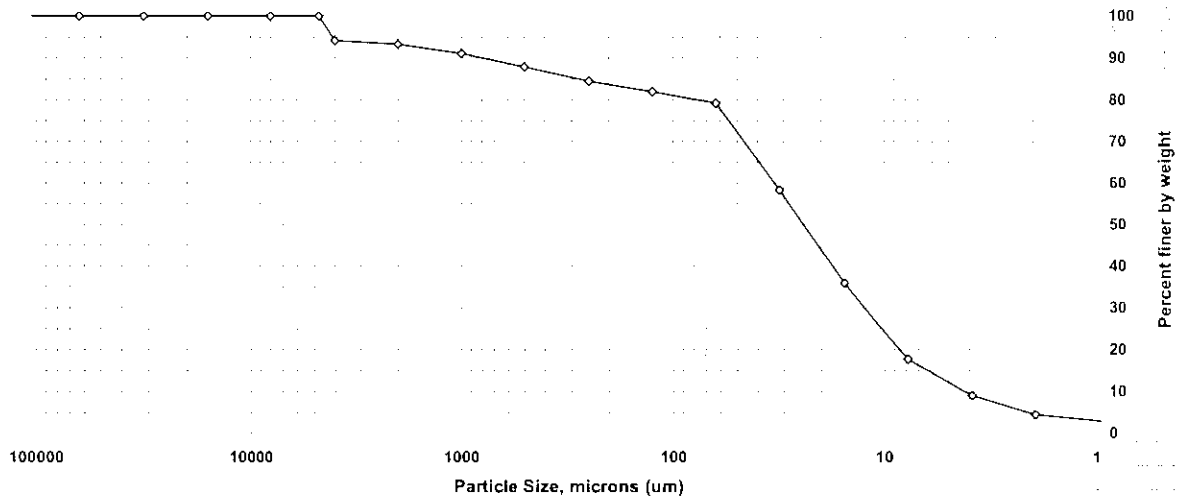
Percent finer by weight

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-SS02-120507
 Lab ID: 580-32803-A-45

Percent Solids: 47%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	94.2	5.8
#10	2000	93.3	0.9
#18	1000	91.1	2.2
#35	500	87.9	3.2
#60	250	84.5	3.4
#120	125	82.0	2.5
#230	63	79.2	2.8
Phi Size 4 to 5	31.42	58.3	20.9
Phi Size 5 to 6	15.6	35.9	22.4
Phi Size 6 to 7	7.8	17.7	18.2
Phi Size 7 to 8	3.9	9.0	8.6
Phi Size 8 to 9	1.95	4.5	4.6
Phi Size 9 to 10	0.98	3.0	1.4
Phi Size 10 to 11	0.49	0.0	3.0
>Phi Size 11	<0.98		0.0

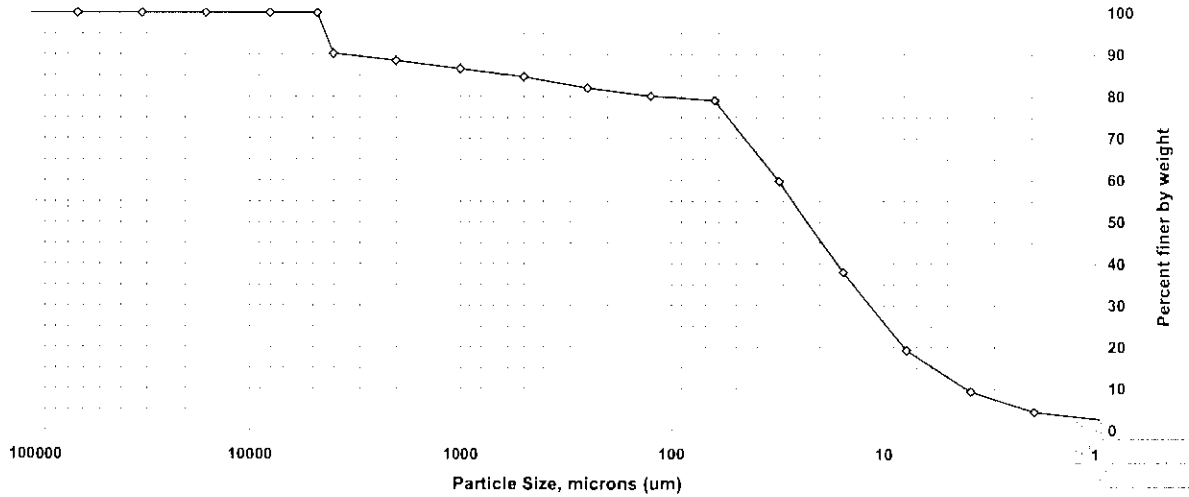
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	6.7
Sand	14
Very Coarse Sand	2.2
Coarse Sand	3.2
Medium Sand	3.4
Fine Sand	2.5
Very Fine Sand	2.8
Silt	70
Coarse Silt	20.9
Medium Silt	22.4
Fine Silt	18.2
Very Fine Silt	8.6
Clay	9.0
Coarse Clay	4.6
Medium Clay	1.4
Fine Clay	3.0

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-COMP-120507
 Lab ID: 580-32803-A-46

Percent Solids: 47%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	90.2	9.8
#10	2000	88.5	1.7
#18	1000	86.6	1.9
#35	500	84.7	1.9
#60	250	82.0	2.7
#120	125	80.1	1.9
#230	63	79.0	1.1
Phi Size 4 to 5	31.42	59.7	19.3
Phi Size 5 to 6	15.6	38.0	21.7
Phi Size 6 to 7	7.8	19.2	18.8
Phi Size 7 to 8	3.9	9.3	9.9
Phi Size 8 to 9	1.95	4.4	4.9
Phi Size 9 to 10	0.98	2.8	1.6
Phi Size 10 to 11	0.49	0.0	2.8
>Phi Size 11	<0.98		0.0

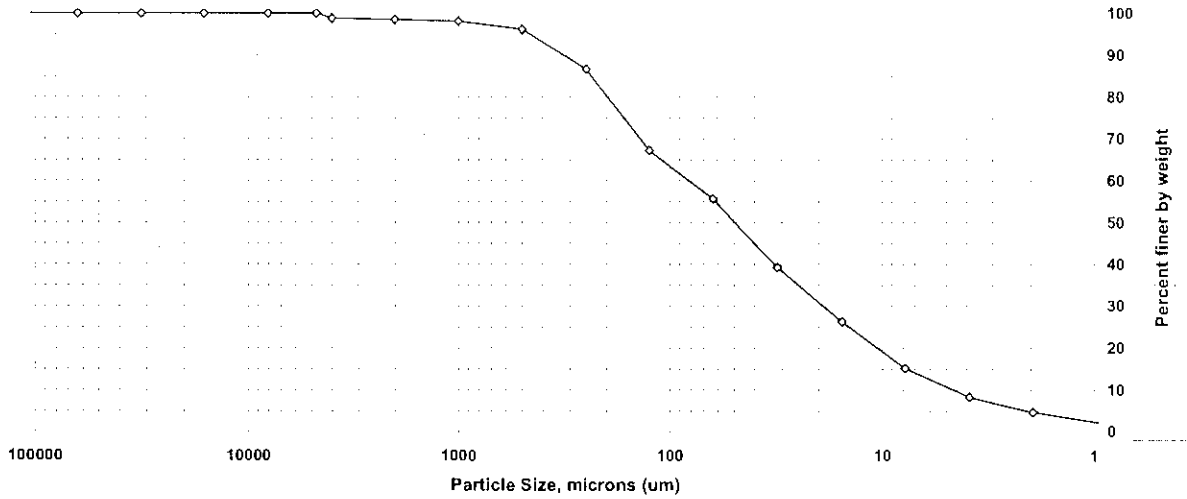
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	12
Sand	9.5
Very Coarse Sand	1.9
Coarse Sand	1.9
Medium Sand	2.7
Fine Sand	1.9
Very Fine Sand	1.1
Silt	70
Coarse Silt	19.3
Medium Silt	21.7
Fine Silt	18.8
Very Fine Silt	9.9
Clay	9.3
Coarse Clay	4.9
Medium Clay	1.6
Fine Clay	2.8

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA01-COMP-120507
 Lab ID: 580-32803-A-53

Percent Solids: 58%
 Specific Gravity: 2.650

Date Received: 5/7/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	98.8	1.2
#10	2000	98.5	0.3
#18	1000	98.1	0.4
#35	500	96.2	1.9
#60	250	86.7	9.5
#120	125	67.2	19.5
#230	63	55.6	11.6
Phi Size 4 to 5	31.42	39.3	16.3
Phi Size 5 to 6	15.6	26.2	13.1
Phi Size 6 to 7	7.8	15.2	11.0
Phi Size 7 to 8	3.9	8.4	6.8
Phi Size 8 to 9	1.95	4.7	3.6
Phi Size 9 to 10	0.98	2.4	2.4
Phi Size 10 to 11	0.49	0.0	2.4
>Phi Size 11	<0.98		0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	1.5
Sand	43
Very Coarse Sand	0.4
Coarse Sand	1.9
Medium Sand	9.5
Fine Sand	19.5
Very Fine Sand	11.6
Silt	47
Coarse Silt	16.3
Medium Silt	13.1
Fine Silt	11.0
Very Fine Silt	6.8
Clay	8.4
Coarse Clay	3.6
Medium Clay	2.4
Fine Clay	2.4

Percent finer by weight

Particle Size, microns (um)

Client: Anchor QEA LLC

Job Number: 580-32803-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TPH %Rec
580-32803-7	JW-EA58-COMP-120 507	70
580-32803-10	JW-EA08-COMP-120 507	68
580-32803-21	JW-EA10-COMP-120 507	75
580-32803-46	JW-EA01-COMP-120 507	75
580-32803-53	JW-EA09-COMP-120 507	71
MB 580-111684/1-A		74
LCS 580-111684/2-A		70

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	42-151

Client: Anchor QEA LLC

Job Number: 580-32803-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TPH %Rec
580-32803-54	JW-RB-120507	75
580-32803-55	JW-FB-120507	74
MB 580-111171/1-A		72
LCS 580-111171/2-A		75
LCSD 580-111171/3-A		75

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	20-150

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-111171

**Method: 8270C SIM
Preparation: 3520C**

Lab Sample ID: MB 580-111171/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/23/2012 1358
 Prep Date: 05/11/2012 1138
 Leach Date: N/A

Analysis Batch: 580-111929
 Prep Batch: 580-111171
 Leach Batch: N/A
 Units: ug/L

Instrument ID: TAC023
 Lab File ID: HP27998.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.036	0.10
2-Methylnaphthalene	ND		0.030	0.13
1-Methylnaphthalene	ND		0.030	0.10
Acenaphthylene	ND		0.030	0.10
Acenaphthene	ND		0.030	0.10
Fluorene	ND		0.030	0.10
Phenanthrene	ND		0.030	0.10
Anthracene	ND		0.030	0.10
Fluoranthene	ND		0.030	0.10
Pyrene	ND		0.030	0.10
Benzo[a]anthracene	ND		0.030	0.10
Chrysene	ND		0.030	0.10
Benzo[b]fluoranthene	ND		0.030	0.10
Benzo[k]fluoranthene	ND		0.030	0.10
Benzo[a]pyrene	ND		0.030	0.20
Indeno[1,2,3-cd]pyrene	ND		0.030	0.10
Dibenz(a,h)anthracene	ND		0.030	0.10
Benzo[g,h,i]perylene	ND		0.030	0.10
Surrogate	% Rec		Acceptance Limits	
Terphenyl-d14	72		20 - 150	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 580-111171**

**Method: 8270C SIM
Preparation: 3520C**

LCS Lab Sample ID:	LCS 580-111171/2-A	Analysis Batch:	580-111929	Instrument ID:	TAC023
Client Matrix:	Water	Prep Batch:	580-111171	Lab File ID:	HP27999.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/23/2012 1420	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	05/11/2012 1138			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 580-111171/3-A	Analysis Batch:	580-111929	Instrument ID:	TAC023
Client Matrix:	Water	Prep Batch:	580-111171	Lab File ID:	HP28000.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/23/2012 1442	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	05/11/2012 1139			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Naphthalene	100	97	65 - 125	4	20		
2-Methylnaphthalene	96	92	65 - 125	4	20		
1-Methylnaphthalene	97	95	65 - 125	2	20		
Acenaphthylene	107	102	70 - 125	4	20		
Acenaphthene	102	97	65 - 125	5	20		
Fluorene	106	97	70 - 125	9	20		
Phenanthrene	102	99	70 - 125	3	20		
Anthracene	95	91	60 - 125	5	20		
Fluoranthene	102	101	75 - 125	2	20		
Pyrene	100	99	75 - 125	1	20		
Benzo[a]anthracene	102	101	70 - 125	1	20		
Chrysene	100	97	75 - 125	2	20		
Benzo[b]fluoranthene	98	104	70 - 125	6	20		
Benzo[k]fluoranthene	113	112	70 - 125	1	20		
Benzo[a]pyrene	95	96	55 - 125	0	20		
Indeno[1,2,3-cd]pyrene	109	99	65 - 125	9	20		
Dibenz(a,h)anthracene	111	99	65 - 130	11	20		
Benzo[g,h,i]perylene	105	93	65 - 125	13	20		
Surrogate		LCS % Rec	LCSD % Rec		Acceptance Limits		
Terphenyl-d14		75	75		20 - 150		

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 580-111171**

**Method: 8270C SIM
Preparation: 3520C**

LCS Lab Sample ID: LCS 580-111171/2-A Units: ug/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/23/2012 1420
 Prep Date: 05/11/2012 1138
 Leach Date: N/A

LCSD Lab Sample ID: LCSD 580-111171/3-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/23/2012 1442
 Prep Date: 05/11/2012 1139
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Naphthalene	10.0	10.0	10.0	9.65
2-Methylnaphthalene	10.0	10.0	9.58	9.23
1-Methylnaphthalene	10.0	10.0	9.67	9.48
Acenaphthylene	9.99	9.99	10.7	10.2
Acenaphthene	10.0	10.0	10.2	9.71
Fluorene	10.0	10.0	10.7	9.71
Phenanthrene	10.0	10.0	10.2	9.86
Anthracene	10.0	10.0	9.53	9.06
Fluoranthene	10.0	10.0	10.3	10.1
Pyrene	10.0	10.0	9.98	9.89
Benzo[a]anthracene	10.0	10.0	10.2	10.1
Chrysene	10.0	10.0	9.96	9.71
Benzo[b]fluoranthene	10.0	10.0	9.75	10.4
Benzo[k]fluoranthene	10.0	10.0	11.3	11.2
Benzo[a]pyrene	10.0	10.0	9.55	9.56
Indeno[1,2,3-cd]pyrene	10.0	10.0	10.9	9.92
Dibenz(a,h)anthracene	9.99	9.99	11.1	9.92
Benzo[g,h,i]perylene	10.0	10.0	10.5	9.27

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: MB 580-111684/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/25/2012 1151
 Prep Date: 05/18/2012 1429
 Leach Date: N/A

Analysis Batch: 580-112072
 Prep Batch: 580-111684
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: TAC023
 Lab File ID: HP28006.D
 Initial Weight/Volume: 20 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.20	0.50
2-Methylnaphthalene	ND		0.20	0.50
1-Methylnaphthalene	ND		0.15	0.50
Acenaphthylene	ND		0.15	0.50
Acenaphthene	ND		0.15	0.50
Fluorene	ND		0.15	0.50
Phenanthrene	ND		0.15	0.50
Anthracene	ND		0.15	0.50
Fluoranthene	ND		0.15	0.50
Pyrene	ND		0.15	0.50
Benzo[a]anthracene	ND		0.15	0.50
Chrysene	ND		0.15	0.50
Benzo[b]fluoranthene	ND		0.15	0.50
Benzo[k]fluoranthene	ND		0.15	0.50
Benzo[a]pyrene	ND		0.15	0.50
Indeno[1,2,3-cd]pyrene	ND		0.15	0.50
Dibenz(a,h)anthracene	ND		0.15	0.50
Benzo[g,h,i]perylene	ND		0.15	0.50

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	74	42 - 151

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Lab Control Sample - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: LCS 580-111684/2-A	Analysis Batch: 580-112072	Instrument ID: TAC023
Client Matrix: Solid	Prep Batch: 580-111684	Lab File ID: HP28007.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 g
Analysis Date: 05/25/2012 1212	Units: ug/Kg	Final Weight/Volume: 2 mL
Prep Date: 05/18/2012 1429		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	100	89.4	89	64 - 129	
2-Methylnaphthalene	100	85.5	85	65 - 125	
1-Methylnaphthalene	100	85.5	85	48 - 148	
Acenaphthylene	99.9	93.6	94	69 - 129	
Acenaphthene	100	89.6	89	65 - 130	
Fluorene	100	91.6	91	68 - 128	
Phenanthrene	100	90.4	90	65 - 125	
Anthracene	100	88.1	88	73 - 123	
Fluoranthene	100	94.7	95	61 - 121	
Pyrene	100	93.5	93	54 - 134	
Benzo[a]anthracene	100	93.6	94	64 - 124	
Chrysene	100	90.5	90	71 - 126	
Benzo[b]fluoranthene	100	97.1	97	66 - 136	
Benzo[k]fluoranthene	100	109	109	63 - 143	
Benzo[a]pyrene	100	97.4	97	68 - 128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59 - 139	
Dibenz(a,h)anthracene	99.9	87.8	88	57 - 142	
Benzo[g,h,i]perylene	100	80.9	81	57 - 142	
Surrogate		% Rec		Acceptance Limits	
Terphenyl-d14		70		42 - 151	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 580-113143

Lab Sample ID: MB 580-113143/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1321
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113143

Lab Sample ID: LCS 580-113143/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1323
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	2720	3300	121	34 - 166	

**Matrix Spike/
 Matrix Spike Duplicate Recovery Report - Batch: 580-113143**

MS Lab Sample ID: 580-32803-7
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1339
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 0.1097 g
 Final Weight/Volume: 0.1097 g

MSD Lab Sample ID: 580-32803-7
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/11/2012 2005
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 0.1065 g
 Final Weight/Volume: 0.1065 g

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	98	101	76 - 128	0	28		

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-113143**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID: 580-32803-7 Units: mg/Kg
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1339
 Prep Date: N/A
 Leach Date: N/A

MSD Lab Sample ID: 580-32803-7
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/11/2012 2005
 Prep Date: N/A
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	28000	113000	111000	139000	140000

Duplicate - Batch: 580-113143

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID: 580-32803-7
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1329
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	28000	29900	5	50	

Duplicate - Batch: 580-113143

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID: 580-32803-7
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 06/08/2012 1334
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-113143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	28000	30300	7	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Duplicate - Batch: 580-111368

**Method: D 2216
Preparation: N/A**

Lab Sample ID:	580-32803-7	Analysis Batch:	580-111368	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/15/2012 1120	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	49	46	5	20	
Percent Moisture	51	54	5	20	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Method Blank - Batch: 200-39474

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: MB 200-39474/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2012 1506
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 200-39474
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: WCCH2
 Lab File ID: 052912C003
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39474

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: LCS 200-39474/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/29/2012 1519
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 200-39474
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: WCCH2
 Lab File ID: 052912C005
 Initial Weight/Volume: 1.0 g
 Final Weight/Volume: 1.0 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Black Carbon	9900	10700	108	50 - 150	

DATA REPORTING QUALIFIERS

Client: Anchor QEA LLC

Job Number: 580-32803-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 580-111171					
LCS 580-111171/2-A	Lab Control Sample	T	Water	3520C	
LCSD 580-111171/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 580-111171/1-A	Method Blank	T	Water	3520C	
580-32803-54	JW-RB-120507	T	Water	3520C	
580-32803-55	JW-FB-120507	T	Water	3520C	
Prep Batch: 580-111684					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	3550B	
MB 580-111684/1-A	Method Blank	T	Solid	3550B	
580-32803-7	JW-EA58-COMP-120507	T	Solid	3550B	
580-32803-10	JW-EA08-COMP-120507	T	Solid	3550B	
580-32803-21	JW-EA10-COMP-120507	T	Solid	3550B	
580-32803-46	JW-EA01-COMP-120507	T	Solid	3550B	
580-32803-53	JW-EA09-COMP-120507	T	Solid	3550B	
Analysis Batch:580-111929					
LCS 580-111171/2-A	Lab Control Sample	T	Water	8270C SIM	580-111171
LCSD 580-111171/3-A	Lab Control Sample Duplicate	T	Water	8270C SIM	580-111171
MB 580-111171/1-A	Method Blank	T	Water	8270C SIM	580-111171
580-32803-54	JW-RB-120507	T	Water	8270C SIM	580-111171
580-32803-55	JW-FB-120507	T	Water	8270C SIM	580-111171
Analysis Batch:580-112072					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	8270C SIM	580-111684
MB 580-111684/1-A	Method Blank	T	Solid	8270C SIM	580-111684
580-32803-7	JW-EA58-COMP-120507	T	Solid	8270C SIM	580-111684
580-32803-10	JW-EA08-COMP-120507	T	Solid	8270C SIM	580-111684
580-32803-21	JW-EA10-COMP-120507	T	Solid	8270C SIM	580-111684
580-32803-46	JW-EA01-COMP-120507	T	Solid	8270C SIM	580-111684
580-32803-53	JW-EA09-COMP-120507	T	Solid	8270C SIM	580-111684

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:200-39474					
LCS 200-39474/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 200-39474/3	Method Blank	T	Solid	Lloyd Kahn	
580-32803-7	JW-EA58-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-10	JW-EA08-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-15	JW-EA06-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-16	JW-EA10-SS39-120507	T	Solid	Lloyd Kahn	
580-32803-17	JW-EA10-SS41-120507	T	Solid	Lloyd Kahn	
580-32803-18	JW-EA10-SS40-120507	T	Solid	Lloyd Kahn	
580-32803-19	JW-EA10-SS43-120507	T	Solid	Lloyd Kahn	
580-32803-20	JW-EA10-SS42-120507	T	Solid	Lloyd Kahn	
580-32803-21	JW-EA10-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-26	JW-EA07-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-30	JW-EA03-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-36	JW-EA02-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-41	JW-EA04-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-42	JW-EA01-SS03-120507	T	Solid	Lloyd Kahn	
580-32803-43	JW-EA01-SS04-120507	T	Solid	Lloyd Kahn	
580-32803-44	JW-EA01-SS01-120507	T	Solid	Lloyd Kahn	
580-32803-45	JW-EA01-SS02-120507	T	Solid	Lloyd Kahn	
580-32803-46	JW-EA01-COMP-120507	T	Solid	Lloyd Kahn	
580-32803-53	JW-EA09-COMP-120507	T	Solid	Lloyd Kahn	
Analysis Batch:580-111368					
580-32803-7	JW-EA58-COMP-120507	T	Solid	D 2216	
580-32803-7DU	Duplicate	T	Solid	D 2216	
580-32803-10	JW-EA08-COMP-120507	T	Solid	D 2216	
580-32803-15	JW-EA06-COMP-120507	T	Solid	D 2216	
580-32803-16	JW-EA10-SS39-120507	T	Solid	D 2216	
580-32803-17	JW-EA10-SS41-120507	T	Solid	D 2216	
580-32803-18	JW-EA10-SS40-120507	T	Solid	D 2216	
580-32803-19	JW-EA10-SS43-120507	T	Solid	D 2216	
580-32803-20	JW-EA10-SS42-120507	T	Solid	D 2216	
580-32803-21	JW-EA10-COMP-120507	T	Solid	D 2216	
580-32803-26	JW-EA07-COMP-120507	T	Solid	D 2216	
580-32803-30	JW-EA03-COMP-120507	T	Solid	D 2216	
580-32803-36	JW-EA02-COMP-120507	T	Solid	D 2216	
580-32803-41	JW-EA04-COMP-120507	T	Solid	D 2216	
580-32803-42	JW-EA01-SS03-120507	T	Solid	D 2216	
580-32803-43	JW-EA01-SS04-120507	T	Solid	D 2216	
580-32803-44	JW-EA01-SS01-120507	T	Solid	D 2216	
580-32803-45	JW-EA01-SS02-120507	T	Solid	D 2216	
580-32803-46	JW-EA01-COMP-120507	T	Solid	D 2216	
580-32803-53	JW-EA09-COMP-120507	T	Solid	D 2216	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:580-113143					
LCS 580-113143/4	Lab Control Sample	T	Solid	9060_PSEP	
MB 580-113143/3	Method Blank	T	Solid	9060_PSEP	
580-32803-7	JW-EA58-COMP-120507	T	Solid	9060_PSEP	
580-32803-7DU	Duplicate	T	Solid	9060_PSEP	
580-32803-7MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-7MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-10	JW-EA08-COMP-120507	T	Solid	9060_PSEP	
580-32803-15	JW-EA06-COMP-120507	T	Solid	9060_PSEP	
580-32803-16	JW-EA10-SS39-120507	T	Solid	9060_PSEP	
580-32803-17	JW-EA10-SS41-120507	T	Solid	9060_PSEP	
580-32803-18	JW-EA10-SS40-120507	T	Solid	9060_PSEP	
580-32803-19	JW-EA10-SS43-120507	T	Solid	9060_PSEP	
580-32803-20	JW-EA10-SS42-120507	T	Solid	9060_PSEP	
580-32803-21	JW-EA10-COMP-120507	T	Solid	9060_PSEP	
580-32803-26	JW-EA07-COMP-120507	T	Solid	9060_PSEP	
580-32803-30	JW-EA03-COMP-120507	T	Solid	9060_PSEP	
580-32803-36	JW-EA02-COMP-120507	T	Solid	9060_PSEP	
580-32803-41	JW-EA04-COMP-120507	T	Solid	9060_PSEP	
580-32803-42	JW-EA01-SS03-120507	T	Solid	9060_PSEP	
580-32803-43	JW-EA01-SS04-120507	T	Solid	9060_PSEP	
580-32803-44	JW-EA01-SS01-120507	T	Solid	9060_PSEP	
580-32803-45	JW-EA01-SS02-120507	T	Solid	9060_PSEP	
580-32803-46	JW-EA01-COMP-120507	T	Solid	9060_PSEP	
580-32803-53	JW-EA09-COMP-120507	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-7

Client ID: JW-EA58-COMP-120507

Sample Date/Time: 05/07/2012 15:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3550B	580-32803-D-7-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32803-D-7-A		580-112072	580-111684	05/25/2012	12:34	1	TAL SEA	BT
A:9060_PSEP	580-32803-A-7		580-113143		06/08/2012	13:25	1	TAL SEA	AM
A:D 2216	580-32803-D-7		580-111368		05/15/2012	11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-7		200-39474		05/29/2012	15:40	1	TAL BUR	AJN

Lab ID: 580-32803-7 MS

Client ID: JW-EA58-COMP-120507

Sample Date/Time: 05/07/2012 15:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:9060_PSEP	580-32803-A-7 MS		580-113143		06/08/2012	13:39	1	TAL SEA	AM

Lab ID: 580-32803-7 MSD

Client ID: JW-EA58-COMP-120507

Sample Date/Time: 05/07/2012 15:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:9060_PSEP	580-32803-A-7 MSD		580-113143		06/11/2012	20:05	1	TAL SEA	AM

Lab ID: 580-32803-7 DU

Client ID: JW-EA58-COMP-120507

Sample Date/Time: 05/07/2012 15:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:9060_PSEP	580-32803-A-7 DU		580-113143		06/08/2012	13:29	1	TAL SEA	AM
A:9060_PSEP	580-32803-A-7 DU		580-113143		06/08/2012	13:34	1	TAL SEA	AM
A:D 2216	580-32803-D-7 DU		580-111368		05/15/2012	11:20	1	TAL SEA	JL

Lab ID: 580-32803-10

Client ID: JW-EA08-COMP-120507

Sample Date/Time: 05/07/2012 15:28

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3550B	580-32803-E-10-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32803-E-10-A		580-112072	580-111684	05/25/2012	12:56	1	TAL SEA	BT
A:9060_PSEP	580-32803-A-10		580-113143		06/08/2012	13:41	1	TAL SEA	AM
A:D 2216	580-32803-E-10		580-111368		05/15/2012	11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-10		200-39474		05/29/2012	15:53	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-15

Client ID: JW-EA06-COMP-120507

Sample Date/Time: 05/07/2012 16:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-15		580-113143		06/08/2012 13:45	1	TAL SEA	AM
A:D 2216	580-32803-D-15		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-15		200-39474		05/29/2012 16:07	1	TAL BUR	AJN

Lab ID: 580-32803-16

Client ID: JW-EA10-SS39-120507

Sample Date/Time: 05/07/2012 10:25

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-16		580-113143		06/08/2012 13:49	1	TAL SEA	AM
A:D 2216	580-32803-D-16		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-16		200-39474		05/29/2012 16:20	1	TAL BUR	AJN

Lab ID: 580-32803-17

Client ID: JW-EA10-SS41-120507

Sample Date/Time: 05/07/2012 12:44

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-17		580-113143		06/08/2012 13:54	1	TAL SEA	AM
A:D 2216	580-32803-D-17		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-17		200-39474		05/29/2012 16:33	1	TAL BUR	AJN

Lab ID: 580-32803-18

Client ID: JW-EA10-SS40-120507

Sample Date/Time: 05/07/2012 12:34

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-18		580-113143		06/08/2012 14:03	1	TAL SEA	AM
A:D 2216	580-32803-D-18		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-18		200-39474		05/29/2012 16:46	1	TAL BUR	AJN

Lab ID: 580-32803-19

Client ID: JW-EA10-SS43-120507

Sample Date/Time: 05/07/2012 12:20

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-19		580-113143		06/08/2012 14:07	1	TAL SEA	AM
A:D 2216	580-32803-D-19		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-19		200-39474		05/29/2012 17:00	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-20

Client ID: JW-EA10-SS42-120507

Sample Date/Time: 05/07/2012 09:03

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-20		580-113143		06/08/2012 14:11	1	TAL SEA	AM
A:D 2216	580-32803-D-20		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-20		200-39474		05/29/2012 17:13	1	TAL BUR	AJN

Lab ID: 580-32803-21

Client ID: JW-EA10-COMP-120507

Sample Date/Time: 05/07/2012 16:14

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	580-32803-E-21-A		580-112072	580-111684	05/18/2012 14:30	1	TAL SEA	SP
A:8270C SIM	580-32803-E-21-A		580-112072	580-111684	05/25/2012 13:17	1	TAL SEA	BT
A:9060_PSEP	580-32803-B-21		580-113143		06/08/2012 14:16	1	TAL SEA	AM
A:D 2216	580-32803-E-21		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-B-21		200-39474		05/29/2012 17:40	1	TAL BUR	AJN

Lab ID: 580-32803-26

Client ID: JW-EA07-COMP-120507

Sample Date/Time: 05/07/2012 16:33

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-26		580-113143		06/08/2012 14:20	1	TAL SEA	AM
A:D 2216	580-32803-D-26		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-26		200-39474		05/29/2012 17:53	1	TAL BUR	AJN

Lab ID: 580-32803-30

Client ID: JW-EA03-COMP-120507

Sample Date/Time: 05/07/2012 16:53

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-30		580-113143		06/08/2012 14:24	1	TAL SEA	AM
A:D 2216	580-32803-C-30		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-30		200-39474		05/29/2012 18:07	1	TAL BUR	AJN

Lab ID: 580-32803-36

Client ID: JW-EA02-COMP-120507

Sample Date/Time: 05/07/2012 17:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-36		580-113143		06/08/2012 14:29	1	TAL SEA	AM
A:D 2216	580-32803-C-36		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-36		200-39474		05/29/2012 18:20	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-41

Client ID: JW-EA04-COMP-120507

Sample Date/Time: 05/07/2012 17:15

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-41		580-113143		06/08/2012 14:33	1	TAL SEA	AM
A:D 2216	580-32803-D-41		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-41		200-39474		05/29/2012 18:33	1	TAL BUR	AJN

Lab ID: 580-32803-42

Client ID: JW-EA01-SS03-120507

Sample Date/Time: 05/07/2012 15:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-42		580-113143		06/08/2012 14:37	1	TAL SEA	AM
A:D 2216	580-32803-D-42		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-42		200-39474		05/29/2012 18:47	1	TAL BUR	AJN

Lab ID: 580-32803-43

Client ID: JW-EA01-SS04-120507

Sample Date/Time: 05/07/2012 15:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-43		580-113143		06/08/2012 14:41	1	TAL SEA	AM
A:D 2216	580-32803-D-43		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-43		200-39474		05/29/2012 19:00	1	TAL BUR	AJN

Lab ID: 580-32803-44

Client ID: JW-EA01-SS01-120507

Sample Date/Time: 05/07/2012 15:22

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-44		580-113143		06/08/2012 14:50	1	TAL SEA	AM
A:D 2216	580-32803-D-44		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-44		200-39474		05/29/2012 19:13	1	TAL BUR	AJN

Lab ID: 580-32803-45

Client ID: JW-EA01-SS02-120507

Sample Date/Time: 05/07/2012 15:15

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-45		580-113143		06/08/2012 14:55	1	TAL SEA	AM
A:D 2216	580-32803-D-45		580-111368		05/15/2012 11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-45		200-39474		05/29/2012 19:27	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: 580-32803-46

Client ID: JW-EA01-COMP-120507

Sample Date/Time: 05/07/2012 17:39

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32803-D-46-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32803-D-46-A		580-112072	580-111684	05/25/2012	13:39	1	TAL SEA	BT
A:9060_PSEP	580-32803-A-46		580-113143		06/08/2012	14:59	1	TAL SEA	AM
A:D 2216	580-32803-D-46		580-111368		05/15/2012	11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-46		200-39474		05/29/2012	19:40	1	TAL BUR	AJN

Lab ID: 580-32803-53

Client ID: JW-EA09-COMP-120507

Sample Date/Time: 05/07/2012 18:03

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32803-E-53-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32803-E-53-A		580-112072	580-111684	05/25/2012	14:01	1	TAL SEA	BT
A:9060_PSEP	580-32803-A-53		580-113143		06/08/2012	15:03	1	TAL SEA	AM
A:D 2216	580-32803-D-53		580-111368		05/15/2012	11:20	1	TAL SEA	JL
A:Lloyd Kahn	580-32803-A-53		200-39474		05/29/2012	20:07	1	TAL BUR	AJN

Lab ID: 580-32803-54

Client ID: JW-RB-120507

Sample Date/Time: 05/07/2012 17:58

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3520C	580-32803-A-54-A		580-111929	580-111171	05/11/2012	11:39	1	TAL SEA	RD
A:8270C SIM	580-32803-A-54-A		580-111929	580-111171	05/23/2012	15:04	1	TAL SEA	BT

Lab ID: 580-32803-55

Client ID: JW-FB-120507

Sample Date/Time: 05/07/2012 19:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3520C	580-32803-A-55-A		580-111929	580-111171	05/11/2012	11:39	1	TAL SEA	RD
A:8270C SIM	580-32803-A-55-A		580-111929	580-111171	05/23/2012	15:25	1	TAL SEA	BT

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3520C	MB 580-111171/1-A		580-111929	580-111171	05/11/2012	11:38	1	TAL SEA	RD
A:8270C SIM	MB 580-111171/1-A		580-111929	580-111171	05/23/2012	13:58	1	TAL SEA	BT
P:3550B	MB 580-111684/1-A		580-112072	580-111684	05/18/2012	14:29	1	TAL SEA	SP
A:8270C SIM	MB 580-111684/1-A		580-112072	580-111684	05/25/2012	11:51	1	TAL SEA	BT
A:9060_PSEP	MB 580-113143/3		580-113143		06/08/2012	13:21	1	TAL SEA	AM
A:Lloyd Kahn	MB 200-39474/3		200-39474		05/29/2012	15:06	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3520C	LCS 580-111171/2-A		580-111929	580-111171	05/11/2012	11:38	1	TAL SEA	RD
A:8270C SIM	LCS 580-111171/2-A		580-111929	580-111171	05/23/2012	14:20	1	TAL SEA	BT
P:3550B	LCS 580-111684/2-A		580-112072	580-111684	05/18/2012	14:29	1	TAL SEA	SP
A:8270C SIM	LCS 580-111684/2-A		580-112072	580-111684	05/25/2012	12:12	1	TAL SEA	BT
A:9060_PSEP	LCS 580-113143/4		580-113143		06/08/2012	13:23	1	TAL SEA	AM
A:Lloyd Kahn	LCS 200-39474/4		200-39474		05/29/2012	15:19	1	TAL BUR	AJN

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3520C	LCSD 580-111171/3-A		580-111929	580-111171	05/11/2012	11:39	1	TAL SEA	RD
A:8270C SIM	LCSD 580-111171/3-A		580-111929	580-111171	05/23/2012	14:42	1	TAL SEA	BT

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
8270 ARC Surr_00003	04/30/13	05/01/12	DCM/Acetone, Lot 849732	50 mL	8270Surr_00043	10 mL	2,4,6-Tribromophenol	40 ug/mL		
							2-Fluorobiphenyl	20 ug/mL		
							2-Fluorophenol	40 ug/mL		
							Nitrobenzene-d5	20 ug/mL		
							Phenol-d5	40 ug/mL		
Terphenyl-d14	20 ug/mL									
.8270Surr_00043	04/30/13		Ultra, Lot CG-1103		(Purchased Reagent)		2,4,6-Tribromophenol	200 ug/mL		
							2-Fluorobiphenyl	100 ug/mL		
							2-Fluorophenol	200 ug/mL		
							Nitrobenzene-d5	100 ug/mL		
							Phenol-d5	200 ug/mL		
Terphenyl-d14	100 ug/mL									
8270flspk_00109	09/20/12	05/08/12	Acetone/DCM, Lot Ac_K27E46/MeCl2_0038	50 mL	8270ICVBZD_00016	1000 uL	3,3'-Dichlorobenzidine	40.08 ug/mL		
							Benzidine	40.36 ug/mL		
							8270ICVCST_00012	1000 uL	1,1'-Biphenyl	20.12 ug/mL
									2,3-Dichlorobenzenamine	20.02 ug/mL
									2,4-Dinitrophenol	99.88 ug/mL
					2,6-Dichlorophenol	20 ug/mL				
					4,6-Dinitro-2-methylphenol	99.932 ug/mL				
					4-Nitrophenol	100.208 ug/mL				
					Acetophenone	20.04 ug/mL				
					Atrazine	20.06 ug/mL				
					Benzoic acid	100.36 ug/mL				
					Cyclohexanone	20.24 ug/mL				
					n-Decane	19.922 ug/mL				
					N-Nitrosodimethylamine	100.354 ug/mL				
					n-Octadecane	19.998 ug/mL				
					Pyridine	100.26 ug/mL				
					8270ICVELE_00017	1000 uL	1,2,4-Trichlorobenzene	19.99 ug/mL		
							1,2-Dichlorobenzene	20.02 ug/mL		
							1,3-Dichlorobenzene	20.02 ug/mL		
							1,4-Dichlorobenzene	20 ug/mL		
							1-Methylnaphthalene	20.04 ug/mL		
							2,2'-oxybis[1-chloropropane]	19.974 ug/mL		
							2,3,4,6-Tetrachlorophenol	20.48 ug/mL		
							2,3,5,6-Tetrachlorophenol	19.96 ug/mL		
							2,4,5-Trichlorophenol	20.1 ug/mL		
							2,4,6-Trichlorophenol	20.1 ug/mL		
							2,4-Dichlorophenol	19.958 ug/mL		
							2,4-Dimethylphenol	19.952 ug/mL		
							2,4-Dinitrophenol	99.88 ug/mL		
							2,4-Dinitrotoluene	20 ug/mL		
							2,6-Dinitrotoluene	20 ug/mL		
							2-Chloronaphthalene	20.02 ug/mL		
							2-Chlorophenol	20.02 ug/mL		
							2-Methylnaphthalene	20.02 ug/mL		
							2-Methylphenol	19.978 ug/mL		
2-Nitroaniline	20 ug/mL									
2-Nitrophenol	19.968 ug/mL									

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3 & 4 Methylphenol	19.96 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	99.932 ug/mL
							4-Bromophenyl phenyl ether	20.04 ug/mL
							4-Chloro-3-methylphenol	20.02 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20.04 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acenaphthene	20.02 ug/mL
							Acenaphthylene	19.982 ug/mL
							Aniline	20 ug/mL
							Anthracene	19.998 ug/mL
							Azobenzene	19.958 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	19.998 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	19.998 ug/mL
							Benzo[k]fluoranthene	20.02 ug/mL
							Benzofluoranthene	39.542 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20.02 ug/mL
							Bis(2-chloroethyl)ether	20.1 ug/mL
							Bis(2-ethylhexyl) phthalate	20.12 ug/mL
							Butyl benzyl phthalate	20.06 ug/mL
							Carbazole	19.988 ug/mL
							Chrysene	19.994 ug/mL
							Di-n-butyl phthalate	19.998 ug/mL
							Di-n-octyl phthalate	20.02 ug/mL
							Dibenz(a,h)anthracene	19.976 ug/mL
							Dibenzofuran	20.08 ug/mL
							Diethyl phthalate	20.04 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20.04 ug/mL
							Fluorene	20.06 ug/mL
							Hexachlorobenzene	20.04 ug/mL
							Hexachlorobutadiene	20.02 ug/mL
							Hexachlorocyclopentadiene	19.954 ug/mL
							Hexachloroethane	20.04 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20.04 ug/mL
							N-Nitrosodi-n-propylamine	19.95 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							N-Nitrosodiphenylamine	19.958 ug/mL
							Naphthalene	19.998 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	19.972 ug/mL
							Phenanthrene	19.996 ug/mL
							Phenol	19.97 ug/mL
							Pyrene	19.97 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
.8270ICVBZD_00016	04/11/14		o2si, Lot 186397		(Purchased Reagent)		Pyridine	100.26 ug/mL							
							3,3'-Dichlorobenzidine	2004 ug/mL							
							Benzidine	2018 ug/mL							
.8270ICVCST_00012	02/27/14		o2si, Lot 186224		(Purchased Reagent)		1,1'-Biphenyl	1006 ug/mL							
							2,3-Dichlorobenzeneamine	1001 ug/mL							
							2,4-Dinitrophenol	3994 ug/mL							
							2,6-Dichlorophenol	1000 ug/mL							
							4,6-Dinitro-2-methylphenol	3997 ug/mL							
							4-Nitrophenol	4011 ug/mL							
							Acetophenone	1002 ug/mL							
							Atrazine	1003 ug/mL							
							Benzoic acid	5018 ug/mL							
							Cyclohexanone	1012 ug/mL							
							n-Decane	996.1 ug/mL							
							N-Nitrosodimethylamine	4020 ug/mL							
							n-Octadecane	999.9 ug/mL							
							Pyridine	4013 ug/mL							
							.8270ICVELE_00017	07/18/13		o2si, Lot 184478		(Purchased Reagent)		1,2,4-Trichlorobenzene	999.5 ug/mL
														1,2-Dichlorobenzene	1001 ug/mL
1,3-Dichlorobenzene	1001 ug/mL														
1,4-Dichlorobenzene	1000 ug/mL														
1-Methylnaphthalene	1002 ug/mL														
2,2'-oxybis[1-chloropropane]	998.7 ug/mL														
2,3,4,6-Tetrachlorophenol	1024 ug/mL														
2,3,5,6-Tetrachlorophenol	998 ug/mL														
2,4,5-Trichlorophenol	1005 ug/mL														
2,4,6-Trichlorophenol	1005 ug/mL														
2,4-Dichlorophenol	997.9 ug/mL														
2,4-Dimethylphenol	997.6 ug/mL														
2,4-Dinitrophenol	1000 ug/mL														
2,4-Dinitrotoluene	1000 ug/mL														
2,6-Dinitrotoluene	1000 ug/mL														
2-Chloronaphthalene	1001 ug/mL														
2-Chlorophenol	1001 ug/mL														
2-Methylnaphthalene	1001 ug/mL														
2-Methylphenol	998.9 ug/mL														
2-Nitroaniline	1000 ug/mL														
2-Nitrophenol	999.4 ug/mL														
3 & 4 Methylphenol	998 ug/mL														
3-Nitroaniline	1000 ug/mL														
4,6-Dinitro-2-methylphenol	999.6 ug/mL														
4-Bromophenyl phenyl ether	1002 ug/mL														
4-Chloro-3-methylphenol	1001 ug/mL														
4-Chloroaniline	1000 ug/mL														
4-Chlorophenyl phenyl ether	1002 ug/mL														
4-Nitroaniline	1000 ug/mL														
4-Nitrophenol	999.4 ug/mL														
Acenaphthene	1001 ug/mL														
Acenaphthylene	999.1 ug/mL														
Aniline															

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	999.9 ug/mL
							Azobenzene	997.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Benzo[fluoranthene	1977.1 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1001 ug/mL
							Bis(2-chloroethyl)ether	1005 ug/mL
							Bis(2-ethylhexyl) phthalate	1006 ug/mL
							Butyl benzyl phthalate	1003 ug/mL
							Carbazole	999.4 ug/mL
							Chrysene	999.7 ug/mL
							Di-n-butyl phthalate	999.9 ug/mL
							Di-n-octyl phthalate	1001 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Dibenzofuran	1004 ug/mL
							Diethyl phthalate	1002 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Hexachlorobenzene	1002 ug/mL
							Hexachlorobutadiene	1001 ug/mL
							Hexachlorocyclopentadiene	997.7 ug/mL
							Hexachloroethane	1002 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1002 ug/mL
							N-Nitrosodi-n-propylamine	997.5 ug/mL
							N-Nitrosodimethylamine	997.7 ug/mL
							N-Nitrosodiphenylamine	997.9 ug/mL
							Naphthalene	999.9 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	998.6 ug/mL
							Phenanthrene	999.8 ug/mL
							Phenol	998.5 ug/mL
							Pyrene	1001 ug/mL
							Pyridine	1000 ug/mL
8270ICV_1K_00010	04/13/13	04/13/12	DCM, Lot H19E04	100 mL	8270ICVELE_00016	100 uL	1-Methylnaphthalene	1002 ug/L
							2-Methylnaphthalene	1001 ug/L
							Acenaphthene	1001 ug/L
							Acenaphthylene	999.1 ug/L
							Anthracene	999.9 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	999.9 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	999.9 ug/L
							Benzo[k]fluoranthene	1001 ug/L
							Chrysene	999.7 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz (a,h) anthracene	998.8 ug/L
							Fluoranthene	1002 ug/L
							Fluorene	1003 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	999.9 ug/L
							Phenanthrene	999.8 ug/L
							Pyrene	1001 ug/L
.8270ICVELE_00016	09/27/13		o2si, Lot 187582		(Purchased Reagent)		1-Methylnaphthalene	1002 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Anthracene	999.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Chrysene	999.7 ug/mL
							Dibenz (a,h) anthracene	998.8 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	999.9 ug/mL
							Phenanthrene	999.8 ug/mL
							Pyrene	1001 ug/mL
8270LLflspk_00005	09/20/12	05/10/12	Acetone/DCM, Lot MeCl2_00041	25 mL	8270flspk_00109	5000 uL	3,3'-Dichlorobenzidine	8.016 ug/mL
							Benzidine	8.072 ug/mL
							1,1'-Biphenyl	4.024 ug/mL
							2,3-Dichlorobenzene	4.004 ug/mL
							2,4-Dinitrophenol	19.976 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							4,6-Dinitro-2-methylphenol	19.9864 ug/mL
							4-Nitrophenol	20.0416 ug/mL
							Acetophenone	4.008 ug/mL
							Atrazine	4.012 ug/mL
							Benzoic acid	20.072 ug/mL
							Cyclohexanone	4.048 ug/mL
							n-Decane	3.9844 ug/mL
							N-Nitrosodimethylamine	20.0708 ug/mL
							n-Octadecane	3.9996 ug/mL
							Pyridine	20.052 ug/mL
							1,2,4-Trichlorobenzene	3.998 ug/mL
							1,2-Dichlorobenzene	4.004 ug/mL
							1,3-Dichlorobenzene	4.004 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1-Methylnaphthalene	4.008 ug/mL
							2,2'-oxybis[1-chloropropane]	3.9948 ug/mL
							2,3,4,6-Tetrachlorophenol	4.096 ug/mL
							2,3,5,6-Tetrachlorophenol	4.096 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	4.02 ug/mL
							2,4,6-Trichlorophenol	4.02 ug/mL
							2,4-Dichlorophenol	3.9916 ug/mL
							2,4-Dimethylphenol	3.9904 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4.004 ug/mL
							2-Chlorophenol	4.004 ug/mL
							2-Methylnaphthalene	4.004 ug/mL
							2-Methylphenol	3.9956 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	3.9976 ug/mL
							3 & 4 Methylphenol	3.992 ug/mL
							3-Nitroaniline	4 ug/mL
							4-Bromophenyl phenyl ether	4.008 ug/mL
							4-Chloro-3-methylphenol	4.004 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4.008 ug/mL
							4-Nitroaniline	4 ug/mL
							Acenaphthene	4.004 ug/mL
							Acenaphthylene	3.9964 ug/mL
							Aniline	4 ug/mL
							Anthracene	3.9996 ug/mL
							Azobenzene	3.9916 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	3.9996 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	3.9996 ug/mL
							Benzo[k]fluoranthene	4.004 ug/mL
							Benzofluoranthene	7.9084 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4.004 ug/mL
							Bis(2-chloroethyl)ether	4.02 ug/mL
							Bis(2-ethylhexyl) phthalate	4.024 ug/mL
							Butyl benzyl phthalate	4.012 ug/mL
							Carbazole	3.9976 ug/mL
							Chrysene	3.9988 ug/mL
							Di-n-butyl phthalate	3.9996 ug/mL
							Di-n-octyl phthalate	4.004 ug/mL
							Dibenz(a,h)anthracene	3.9952 ug/mL
							Dibenzofuran	4.016 ug/mL
							Diethyl phthalate	4.008 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4.008 ug/mL
							Fluorene	4.012 ug/mL
							Hexachlorobenzene	4.008 ug/mL
							Hexachlorobutadiene	4.004 ug/mL
							Hexachlorocyclopentadiene	3.9908 ug/mL
							Hexachloroethane	4.008 ug/mL
							Indeno[1,2,3-cd]pyrene	06/19/2012

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration		
					Reagent ID	Volume Added				
							Isophorone	4.008 ug/mL		
							N-Nitrosodi-n-propylamine	3.99 ug/mL		
							N-Nitrosodiphenylamine	3.9916 ug/mL		
							Naphthalene	3.9996 ug/mL		
							Nitrobenzene	4 ug/mL		
							Pentachlorophenol	3.9944 ug/mL		
							Phenanthrene	3.9992 ug/mL		
							Phenol	3.994 ug/mL		
.8270flspk_00109	09/20/12	05/08/12	Acetone/DCM, Lot Ac_K27E46/MeC12_0038	50 mL	8270ICVBZD_00016	1000 uL	3,3'-Dichlorobenzidine	40.08 ug/mL		
							Benzidine	40.36 ug/mL		
							1,1'-Biphenyl	20.12 ug/mL		
							2,3-Dichlorobenzeneamine	20.02 ug/mL		
							2,4-Dinitrophenol	99.88 ug/mL		
							2,6-Dichlorophenol	20 ug/mL		
							4,6-Dinitro-2-methylphenol	99.932 ug/mL		
							4-Nitrophenol	100.208 ug/mL		
					8270ICVCST_00012	1000 uL	Acetophenone	20.04 ug/mL		
							Atrazine	20.06 ug/mL		
							Benzoic acid	100.36 ug/mL		
							Cyclohexanone	20.24 ug/mL		
							n-Decane	19.922 ug/mL		
							N-Nitrosodimethylamine	100.354 ug/mL		
							n-Octadecane	19.998 ug/mL		
							Pyridine	100.26 ug/mL		
							8270ICVELE_00017	1000 uL	1,2,4-Trichlorobenzene	19.99 ug/mL
									1,2-Dichlorobenzene	20.02 ug/mL
									1,3-Dichlorobenzene	20.02 ug/mL
									1,4-Dichlorobenzene	20 ug/mL
					1-Methylnaphthalene	20.04 ug/mL				
					2,2'-oxybis[1-chloropropane]	19.974 ug/mL				
					2,3,4,6-Tetrachlorophenol	20.48 ug/mL				
					2,3,5,6-Tetrachlorophenol	19.96 ug/mL				
					2,4,5-Trichlorophenol	20.1 ug/mL				
					2,4,6-Trichlorophenol	20.1 ug/mL				
					2,4-Dichlorophenol	19.958 ug/mL				
					2,4-Dimethylphenol	19.952 ug/mL				
					2,4-Dinitrophenol	99.88 ug/mL				
					2,4-Dinitrotoluene	20 ug/mL				
					2,6-Dinitrotoluene	20 ug/mL				
					2-Chloronaphthalene	20.02 ug/mL				
					2-Chlorophenol	20.02 ug/mL				
2-Methylnaphthalene	20.02 ug/mL									
2-Methylphenol	19.978 ug/mL									
2-Nitroaniline	20 ug/mL									
2-Nitrophenol	19.988 ug/mL									
3 & 4 Methylphenol	19.96 ug/mL									
3-Nitroaniline	20 ug/mL									
4,6-Dinitro-2-methylphenol	19.992 ug/mL									

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	20.04 ug/mL
							4-Chloro-3-methylphenol	20.02 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20.04 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acenaphthene	20.02 ug/mL
							Acenaphthylene	19.982 ug/mL
							Aniline	20 ug/mL
							Anthracene	19.998 ug/mL
							Azobenzene	19.958 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	19.998 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	19.998 ug/mL
							Benzo[k]fluoranthene	20.02 ug/mL
							Benzofluoranthene	39.542 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20.02 ug/mL
							Bis(2-chloroethyl)ether	20.1 ug/mL
							Bis(2-ethylhexyl) phthalate	20.12 ug/mL
							Butyl benzyl phthalate	20.06 ug/mL
							Carbazole	19.988 ug/mL
							Chrysene	19.994 ug/mL
							Di-n-butyl phthalate	19.998 ug/mL
							Di-n-octyl phthalate	20.02 ug/mL
							Dibenz(a,h)anthracene	19.976 ug/mL
							Dibenzofuran	20.08 ug/mL
							Diethyl phthalate	20.04 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20.04 ug/mL
							Fluorene	20.06 ug/mL
							Hexachlorobenzene	20.04 ug/mL
							Hexachlorobutadiene	20.02 ug/mL
							Hexachlorocyclopentadiene	19.954 ug/mL
							Hexachloroethane	20.04 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20.04 ug/mL
							N-Nitrosodi-n-propylamine	19.95 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							N-Nitrosodiphenylamine	19.958 ug/mL
							Naphthalene	19.998 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	19.972 ug/mL
							Phenanthrene	19.996 ug/mL
							Phenol	19.97 ug/mL
							Pyrene	20.02 ug/mL
							Pyridine	100.26 ug/mL
..8270ICVBZD_00016	04/11/14		o2si, Lot 186397			(Purchased Reagent)	3,3'-Dichlorobenzidine	2004 ug/mL
							Benzydine	2004 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8270ICVCSST_00012	02/27/14		o2si, Lot 186224		(Purchased Reagent)		1,1'-Biphenyl	1006 ug/mL
							2,3-Dichlorobenzeneamine	1001 ug/mL
							2,4-Dinitrophenol	3994 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	3997 ug/mL
							4-Nitrophenol	4011 ug/mL
							Acetophenone	1002 ug/mL
							Atrazine	1003 ug/mL
							Benzoic acid	5018 ug/mL
							Cyclohexanone	1012 ug/mL
							n-Decane	996.1 ug/mL
							N-Nitrosodimethylamine	4020 ug/mL
							n-Octadecane	999.9 ug/mL
							Pyridine	4013 ug/mL
..8270ICVELE_00017	07/18/13		o2si, Lot 184478		(Purchased Reagent)		1,2,4-Trichlorobenzene	999.5 ug/mL
							1,2-Dichlorobenzene	1001 ug/mL
							1,3-Dichlorobenzene	1001 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1002 ug/mL
							2,2'-oxybis[1-chloropropane]	998.7 ug/mL
							2,3,4,6-Tetrachlorophenol	1024 ug/mL
							2,3,5,6-Tetrachlorophenol	998 ug/mL
							2,4,5-Trichlorophenol	1005 ug/mL
							2,4,6-Trichlorophenol	1005 ug/mL
							2,4-Dichlorophenol	997.9 ug/mL
							2,4-Dimethylphenol	997.6 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1001 ug/mL
							2-Chlorophenol	1001 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							2-Methylphenol	998.9 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	999.4 ug/mL
							3 & 4 Methylphenol	998 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	999.6 ug/mL
							4-Bromophenyl phenyl ether	1002 ug/mL
							4-Chloro-3-methylphenol	1001 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1002 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	999.4 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Aniline	1000 ug/mL
							Anthracene	999.9 ug/mL
Azobenzene	997.9 ug/mL							
Benzo[a]anthracene	1000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Benzofluoranthene	1977.1 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1001 ug/mL
							Bis(2-chloroethyl)ether	1005 ug/mL
							Bis(2-ethylhexyl) phthalate	1006 ug/mL
							Butyl benzyl phthalate	1003 ug/mL
							Carbazole	999.4 ug/mL
							Chrysene	999.7 ug/mL
							Di-n-butyl phthalate	999.9 ug/mL
							Di-n-octyl phthalate	1001 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Dibenzofuran	1004 ug/mL
							Diethyl phthalate	1002 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Hexachlorobenzene	1002 ug/mL
							Hexachlorobutadiene	1001 ug/mL
							Hexachlorocyclopentadiene	997.7 ug/mL
							Hexachloroethane	1002 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1002 ug/mL
							N-Nitrosodi-n-propylamine	997.5 ug/mL
							N-Nitrosodimethylamine	997.7 ug/mL
							N-Nitrosodiphenylamine	997.9 ug/mL
							Naphthalene	999.9 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	998.6 ug/mL
							Phenanthrene	999.8 ug/mL
							Phenol	998.5 ug/mL
							Pyrene	1001 ug/mL
							Pyridine	1000 ug/mL
8270Surr_00043	04/30/13		Ultra, Lot CG-1103			(Purchased Reagent)	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	100 ug/mL
CaCO3_00002	06/02/17		ACROS, Lot A0311356			(Purchased Reagent)	Total Organic Carbon	12 g
IC_SIM_IS_10_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	1 uL	1-Methylnaphthalene	10 ug/L
							2-Methylnaphthalene	10 ug/L
							Acenaphthene	10 ug/L
							Acenaphthylene	10 ug/L
							Anthracene	10 ug/L
							Benzo[a]anthracene	10 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration												
					Reagent ID	Volume Added														
							Benzo[a]pyrene	10 ug/L												
							Benzo[b]fluoranthene	10 ug/L												
							Benzo[g,h,i]perylene	10 ug/L												
							Benzo[k]fluoranthene	10 ug/L												
							Chrysene	10 ug/L												
							Dibenz(a,h)anthracene	10 ug/L												
							Fluoranthene	10 ug/L												
							Fluorene	10 ug/L												
							Indeno[1,2,3-cd]pyrene	10 ug/L												
							Naphthalene	10 ug/L												
							Pentachlorophenol	10 ug/L												
							Phenanthrene	10 ug/L												
							Pyrene	10 ug/L												
							2,4,6-Tribromophenol	9.8475 ug/L												
							2-Fluorobiphenyl	9.86 ug/L												
							Nitrobenzene-d5	9.84 ug/L												
							Terphenyl-d14	9.7 ug/L												
							.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L					
Acenaphthene-d10	98 ug/L																			
Chrysene-d12	98.05 ug/L																			
Naphthalene-d8	95.2 ug/L																			
Perylene-d12	98.9 ug/L																			
Phenanthrene-d10	97.95 ug/L																			
.8270msstk_00023	07/31/12				8270msstk_00023	1 mL								1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L												
							Acenaphthene	100000 ug/L												
							Acenaphthylene	100000 ug/L												
							Anthracene	100000 ug/L												
							Benzo[a]anthracene	100000 ug/L												
							Benzo[a]pyrene	100000 ug/L												
							Benzo[b]fluoranthene	100000 ug/L												
							Benzo[g,h,i]perylene	100000 ug/L												
							Benzo[k]fluoranthene	100000 ug/L												
							Chrysene	100000 ug/L												
							Dibenz(a,h)anthracene	100000 ug/L												
							Fluoranthene	100000 ug/L												
							Fluorene	100000 ug/L												
							Indeno[1,2,3-cd]pyrene	100000 ug/L												
					Naphthalene	100000 ug/L														
					Pentachlorophenol	100000 ug/L														
					Phenanthrene	100000 ug/L														
					Pyrene	100000 ug/L														
					.8270SurSTK_00005						0.25 mL	2,4,6-Tribromophenol	98475 ug/L							
												2-Fluorobiphenyl	98600 ug/L							
												Nitrobenzene-d5	98400 ug/L							
												Terphenyl-d14	97000 ug/L							
												..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)	
																			1-Methylnaphthalene	1000 ug/mL
																			2-Methylnaphthalene	1000 ug/mL
																			Acenaphthene	1000 ug/mL
Acenaphthylene	1000 ug/mL																			

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_100_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	10 uL	1-Methylnaphthalene	100 ug/L
							2-Methylnaphthalene	100 ug/L
							Acenaphthene	100 ug/L
							Acenaphthylene	100 ug/L
							Anthracene	100 ug/L
							Benzo[a]anthracene	100 ug/L
							Benzo[a]pyrene	100 ug/L
							Benzo[b]fluoranthene	100 ug/L
							Benzo[g,h,i]perylene	100 ug/L
							Benzo[k]fluoranthene	100 ug/L
							Chrysene	100 ug/L
							Dibenz(a,h)anthracene	100 ug/L
							Fluoranthene	100 ug/L
							Fluorene	100 ug/L
							Indeno[1,2,3-cd]pyrene	100 ug/L
							Naphthalene	100 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	100 ug/L
							Pyrene	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol	98.475 ug/L
							2-Fluorobiphenyl	98.6 ug/L
							Nitrobenzene-d5	98.4 ug/L
							Terphenyl-d14	97 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
					Pyrene	100000 ug/L		
2-Fluorobiphenyl	98600 ug/L							
Nitrobenzene-d5	98400 ug/L							
Terphenyl-d14	97000 ug/L							
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
Pentachlorophenol	1000 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
.8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		Phenanthrene	1000 ug/mL					
							Pyrene	1000 ug/mL					
							2,4,6-Tribromophenol	3939 ug/mL					
							2-Fluorobiphenyl	3944 ug/mL					
							Nitrobenzene-d5	3936 ug/mL					
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	Terphenyl-d14	3880 ug/mL					
							1,4-Dichlorobenzene-d4	9.555 ug/mL					
							Acenaphthene-d10	9.8 ug/mL					
							Chrysene-d12	9.805 ug/mL					
							Naphthalene-d8	9.52 ug/mL					
							Perylene-d12	9.89 ug/mL					
.8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Phenanthrene-d10	9.795 ug/mL					
							1,4-Dichlorobenzene-d4	1911 ug/mL					
							Acenaphthene-d10	1960 ug/mL					
							Chrysene-d12	1961 ug/mL					
							Naphthalene-d8	1904 ug/mL					
IC_SIM_IS_1K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	100 uL	1-Methylnaphthalene	1000 ug/L					
							2-Methylnaphthalene	1000 ug/L					
							Acenaphthene	1000 ug/L					
							Acenaphthylene	1000 ug/L					
							Anthracene	1000 ug/L					
							Benzo[a]anthracene	1000 ug/L					
							Benzo[a]pyrene	1000 ug/L					
							Benzo[b]fluoranthene	1000 ug/L					
							Benzo[g,h,i]perylene	1000 ug/L					
							Benzo[k]fluoranthene	1000 ug/L					
							Chrysene	1000 ug/L					
							Dibenz(a,h)anthracene	1000 ug/L					
							Fluoranthene	1000 ug/L					
							Fluorene	1000 ug/L					
							Indeno[1,2,3-cd]pyrene	1000 ug/L					
					Naphthalene	1000 ug/L							
					Pentachlorophenol	1000 ug/L							
					Phenanthrene	1000 ug/L							
					Pyrene	1000 ug/L							
					2,4,6-Tribromophenol	984.75 ug/L							
					2-Fluorobiphenyl	986 ug/L							
					Nitrobenzene-d5	984 ug/L							
					Terphenyl-d14	970 ug/L							
					8270SIM_IS_00005						100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
												Acenaphthene-d10	98 ug/L
Chrysene-d12	98.05 ug/L												
Naphthalene-d8	95.2 ug/L												
Perylene-d12	98.9 ug/L												
Phenanthrene-d10	97.95 ug/L												
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L					
							Acenaphthene	100000 ug/L					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	9.555 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_2K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	200 uL	1-Methylnaphthalene	2000 ug/L
							2-Methylnaphthalene	2000 ug/L
							Acenaphthene	2000 ug/L
							Acenaphthylene	2000 ug/L
							Anthracene	2000 ug/L
							Benzo[a]anthracene	2000 ug/L
							Benzo[a]pyrene	2000 ug/L
							Benzo[b]fluoranthene	2000 ug/L
							Benzo[g,h,i]perylene	2000 ug/L
							Benzo[k]fluoranthene	2000 ug/L
							Chrysene	2000 ug/L
							Dibenz(a,h)anthracene	2000 ug/L
							Fluoranthene	2000 ug/L
							Fluorene	2000 ug/L
							Indeno[1,2,3-cd]pyrene	2000 ug/L
							Naphthalene	2000 ug/L
							Pentachlorophenol	2000 ug/L
					Phenanthrene	2000 ug/L		
					Pyrene	2000 ug/L		
					2,4,6-Tribromophenol	1969.5 ug/L		
					2-Fluorobiphenyl	1972 ug/L		
					Nitrobenzene-d5	1968 ug/L		
					Terphenyl-d14	1940 ug/L		
8270SIM_IS_00005						100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
Phenanthrene-d10	97.95 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_5_00009	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	0.5 uL	1-Methylnaphthalene	5 ug/L
							2-Methylnaphthalene	5 ug/L
							Acenaphthene	5 ug/L
							Acenaphthylene	5 ug/L
							Anthracene	5 ug/L
							Benzo[a]anthracene	5 ug/L
							Benzo[a]pyrene	5 ug/L
							Benzo[b]fluoranthene	5 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration								
					Reagent ID	Volume Added										
							Benzo[g,h,i]perylene	5 ug/L								
							Benzo[k]fluoranthene	5 ug/L								
							Chrysene	5 ug/L								
							Dibenz(a,h)anthracene	5 ug/L								
							Fluoranthene	5 ug/L								
							Fluorene	5 ug/L								
							Indeno[1,2,3-cd]pyrene	5 ug/L								
							Naphthalene	5 ug/L								
							Phenanthrene	5 ug/L								
							Pyrene	5 ug/L								
							2,4,6-Tribromophenol	4.92375 ug/L								
							2-Fluorobiphenyl	4.93 ug/L								
							Nitrobenzene-d5	4.92 ug/L								
							Terphenyl-d14	4.85 ug/L								
							8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L						
		Acenaphthene-d10	98 ug/L													
		Chrysene-d12	98.05 ug/L													
		Naphthalene-d8	95.2 ug/L													
		Perylene-d12	98.9 ug/L													
		Phenanthrene-d10	97.95 ug/L													
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L								
							2-Methylnaphthalene	100000 ug/L								
							Acenaphthene	100000 ug/L								
							Acenaphthylene	100000 ug/L								
							Anthracene	100000 ug/L								
							Benzo[a]anthracene	100000 ug/L								
							Benzo[a]pyrene	100000 ug/L								
							Benzo[b]fluoranthene	100000 ug/L								
							Benzo[g,h,i]perylene	100000 ug/L								
							Benzo[k]fluoranthene	100000 ug/L								
							Chrysene	100000 ug/L								
							Dibenz(a,h)anthracene	100000 ug/L								
							Fluoranthene	100000 ug/L								
							Fluorene	100000 ug/L								
							Indeno[1,2,3-cd]pyrene	100000 ug/L								
							Naphthalene	100000 ug/L								
							Phenanthrene	100000 ug/L								
							Pyrene	100000 ug/L								
							8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L						
									2-Fluorobiphenyl	98600 ug/L						
									Nitrobenzene-d5	98400 ug/L						
									Terphenyl-d14	97000 ug/L						
							..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
														2-Methylnaphthalene	1000 ug/mL	
														Acenaphthene	1000 ug/mL	
Acenaphthylene	1000 ug/mL															
Anthracene	1000 ug/mL															
Benzo[a]anthracene	1000 ug/mL															
Benzo[a]pyrene	1000 ug/mL															
Benzo[b]fluoranthene	1000 ug/mL															

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_50_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	5 uL	1-Methylnaphthalene	50 ug/L
							2-Methylnaphthalene	50 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Anthracene	50 ug/L
							Benzo[a]anthracene	50 ug/L
							Benzo[a]pyrene	50 ug/L
							Benzo[b]fluoranthene	50 ug/L
							Benzo[g,h,i]perylene	50 ug/L
							Benzo[k]fluoranthene	50 ug/L
							Chrysene	50 ug/L
							Dibenz(a,h)anthracene	50 ug/L
							Fluoranthene	50 ug/L
							Fluorene	50 ug/L
							Indeno[1,2,3-cd]pyrene	50 ug/L
							Naphthalene	50 ug/L
							Pentachlorophenol	50 ug/L
							Phenanthrene	50 ug/L
							Pyrene	50 ug/L
							2,4,6-Tribromophenol	49.2375 ug/L
							2-Fluorobiphenyl	49.3 ug/L
							Nitrobenzene-d5	49.2 ug/L
							Terphenyl-d14	48.5 ug/L
							1,4-Dichlorobenzene-d4	100 uL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3944 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	Terphenyl-d14	3880 ug/mL					
							1,4-Dichlorobenzene-d4	9.555 ug/mL					
							Acenaphthene-d10	9.8 ug/mL					
							Chrysene-d12	9.805 ug/mL					
							Naphthalene-d8	9.52 ug/mL					
							Perylene-d12	9.89 ug/mL					
.8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL					
							Acenaphthene-d10	1960 ug/mL					
							Chrysene-d12	1961 ug/mL					
							Naphthalene-d8	1904 ug/mL					
							Perylene-d12	1978 ug/mL					
							Phenanthrene-d10	1959 ug/mL					
IC_SIM_IS_500_00012	05/23/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L					
							2-Methylnaphthalene	500 ug/L					
							Acenaphthene	500 ug/L					
							Acenaphthylene	500 ug/L					
							Anthracene	500 ug/L					
							Benzo[a]anthracene	500 ug/L					
							Benzo[a]pyrene	500 ug/L					
							Benzo[b]fluoranthene	500 ug/L					
							Benzo[g,h,i]perylene	500 ug/L					
							Benzo[k]fluoranthene	500 ug/L					
							Chrysene	500 ug/L					
							Dibenz(a,h)anthracene	500 ug/L					
							Fluoranthene	500 ug/L					
							Fluorene	500 ug/L					
					Indeno[1,2,3-cd]pyrene	500 ug/L							
					Naphthalene	500 ug/L							
					Pentachlorophenol	500 ug/L							
					Phenanthrene	500 ug/L							
					Pyrene	500 ug/L							
					2,4,6-Tribromophenol	492.375 ug/L							
					2-Fluorobiphenyl	493 ug/L							
					Nitrobenzene-d5	492 ug/L							
					Terphenyl-d14	485 ug/L							
					8270SIM_IS_00005						100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
												Acenaphthene-d10	98 ug/L
												Chrysene-d12	98.05 ug/L
Naphthalene-d8	95.2 ug/L												
Perylene-d12	98.9 ug/L												
Phenanthrene-d10	97.95 ug/L												
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L					
							Acenaphthene	100000 ug/L					
							Acenaphthylene	100000 ug/L					
							Anthracene	100000 ug/L					
							Benzo[a]anthracene	100000 ug/L					
							Benzo[a]pyrene	100000 ug/L					
							Benzo[b]fluoranthene	100000 ug/L					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1972 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
IC_SIM_IS_500_00013	07/31/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol	492.375 ug/L
2-Fluorobiphenyl	493 ug/L							
Nitrobenzene-d5	492 ug/L							
Terphenyl-d14	485 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
							8270SurSTK_00005	0.25 mL
		2-Fluorobiphenyl	98600 ug/L					
		Nitrobenzene-d5	98400 ug/L					
		Terphenyl-d14	97000 ug/L					
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
IC_SIM_IS_5K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	500 uL	1-Methylnaphthalene	5000 ug/L
							2-Methylnaphthalene	5000 ug/L
							Acenaphthene	5000 ug/L
							Acenaphthylene	5000 ug/L
							Anthracene	5000 ug/L
							Benzo[a]anthracene	5000 ug/L
							Benzo[a]pyrene	5000 ug/L
							Benzo[b]fluoranthene	5000 ug/L
							Benzo[g,h,i]perylene	5000 ug/L
							Benzo[k]fluoranthene	5000 ug/L
							Chrysene	5000 ug/L
							Dibenz(a,h)anthracene	5000 ug/L
							Fluoranthene	5000 ug/L
							Fluorene	5000 ug/L
							Indeno[1,2,3-cd]pyrene	5000 ug/L
							Naphthalene	5000 ug/L
							Pentachlorophenol	5000 ug/L
							Phenanthrene	5000 ug/L
							Pyrene	5000 ug/L
							2,4,6-Tribromophenol	4923.75 ug/L
							2-Fluorobiphenyl	4930 ug/L
							Nitrobenzene-d5	4920 ug/L
							Terphenyl-d14	4850 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1911 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
TOCS_LCS_00002	03/31/13		ERA, Lot D066-542		(Purchased Reagent)		Total Organic Carbon	2720 mg/Kg
WCBCLCSs_00006	03/31/19		NIST, Lot SRM1944		(Purchased Reagent)		Black Carbon	0.0099 g/g
WCLKCCVs_00006	11/17/12		COSTECH, Lot NA		(Purchased Reagent)		Black Carbon	0.7109 g/g

Certification Summary

Client: Anchor QEA LLC
 Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32803-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TPH #
JW-EA58-COMP-12050 7	580-32803-7	70
JW-EA08-COMP-12050 7	580-32803-10	68
JW-EA10-COMP-12050 7	580-32803-21	75
JW-EA01-COMP-12050 7	580-32803-46	75
JW-EA09-COMP-12050 7	580-32803-53	71
	MB 580-111684/1-A	74
	LCS 580-111684/2-A	70

TPH = Terphenyl-d14

QC LIMITS
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TPH #
JW-RB-120507	580-32803-54	75
JW-FB-120507	580-32803-55	74
	MB 580-111171/1-A	72
	LCS 580-111171/2-A	75
	LCSD 580-111171/3-A	75

TPH = Terphenyl-d14

QC LIMITS
20-150

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: HP27999.D
 Lab ID: LCS 580-111171/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	10.0	10.0	100	65-125	
2-Methylnaphthalene	10.0	9.58	96	65-125	
1-Methylnaphthalene	10.0	9.67	97	65-125	
Acenaphthylene	9.99	10.7	107	70-125	
Acenaphthene	10.0	10.2	102	65-125	
Fluorene	10.0	10.7	106	70-125	
Phenanthrene	10.0	10.2	102	70-125	
Anthracene	10.0	9.53	95	60-125	
Fluoranthene	10.0	10.3	102	75-125	
Pyrene	10.0	9.98	100	75-125	
Benzo[a]anthracene	10.0	10.2	102	70-125	
Chrysene	10.0	9.96	100	75-125	
Benzo[b]fluoranthene	10.0	9.75	98	70-125	
Benzo[k]fluoranthene	10.0	11.3	113	70-125	
Benzo[a]pyrene	10.0	9.55	95	55-125	
Indeno[1,2,3-cd]pyrene	10.0	10.9	109	65-125	
Dibenz(a,h)anthracene	9.99	11.1	111	65-130	
Benzo[g,h,i]perylene	10.0	10.5	105	65-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: HP28007.D
 Lab ID: LCS 580-111684/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	100	89.4	89	64-129	
2-Methylnaphthalene	100	85.5	85	65-125	
1-Methylnaphthalene	100	85.5	85	48-148	
Acenaphthylene	99.9	93.6	94	69-129	
Acenaphthene	100	89.6	89	65-130	
Fluorene	100	91.6	91	68-128	
Phenanthrene	100	90.4	90	65-125	
Anthracene	100	88.1	88	73-123	
Fluoranthene	100	94.7	95	61-121	
Pyrene	100	93.5	93	54-134	
Benzo[a]anthracene	100	93.6	94	64-124	
Chrysene	100	90.5	90	71-126	
Benzo[b]fluoranthene	100	97.1	97	66-136	
Benzo[k]fluoranthene	100	109	109	63-143	
Benzo[a]pyrene	100	97.4	97	68-128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59-139	
Dibenz(a,h)anthracene	99.9	87.8	88	57-142	
Benzo[g,h,i]perylene	100	80.9	81	57-142	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: HP28000.D
 Lab ID: LCSO 580-111171/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSO CONCENTRATION (ug/L)	LCSO % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	10.0	9.65	97	4	20	65-125	
2-Methylnaphthalene	10.0	9.23	92	4	20	65-125	
1-Methylnaphthalene	10.0	9.48	95	2	20	65-125	
Acenaphthylene	9.99	10.2	102	4	20	70-125	
Acenaphthene	10.0	9.71	97	5	20	65-125	
Fluorene	10.0	9.71	97	9	20	70-125	
Phenanthrene	10.0	9.86	99	3	20	70-125	
Anthracene	10.0	9.06	91	5	20	60-125	
Fluoranthene	10.0	10.1	101	2	20	75-125	
Pyrene	10.0	9.89	99	1	20	75-125	
Benzo[a]anthracene	10.0	10.1	101	1	20	70-125	
Chrysene	10.0	9.71	97	2	20	75-125	
Benzo[b]fluoranthene	10.0	10.4	104	6	20	70-125	
Benzo[k]fluoranthene	10.0	11.2	112	1	20	70-125	
Benzo[a]pyrene	10.0	9.56	96	0	20	55-125	
Indeno[1,2,3-cd]pyrene	10.0	9.92	99	9	20	65-125	
Dibenz(a,h)anthracene	9.99	9.92	99	11	20	65-130	
Benzo[g,h,i]perylene	10.0	9.27	93	13	20	65-125	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab File ID: HP27998.D Lab Sample ID: MB 580-111171/1-A
 Matrix: Water Date Extracted: 05/11/2012 11:38
 Instrument ID: TAC023 Date Analyzed: 05/23/2012 13:58
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-111171/2-A	HP27999.D	05/23/2012 14:20
	LCSD 580-111171/3-A	HP28000.D	05/23/2012 14:42
JW-RB-120507	580-32803-54	HP28001.D	05/23/2012 15:04
JW-FB-120507	580-32803-55	HP28002.D	05/23/2012 15:25

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
SDG No.: _____
Lab File ID: HP28006.D Lab Sample ID: MB 580-111684/1-A
Matrix: Solid Date Extracted: 05/18/2012 14:29
Instrument ID: TAC023 Date Analyzed: 05/25/2012 11:51
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-111684/2-A	HP28007.D	05/25/2012 12:12
JW-EA58-COMP-120507	580-32803-7	HP28008.D	05/25/2012 12:34
JW-EA08-COMP-120507	580-32803-10	HP28009.D	05/25/2012 12:56
JW-EA10-COMP-120507	580-32803-21	HP28010.D	05/25/2012 13:17
JW-EA01-COMP-120507	580-32803-46	HP28011.D	05/25/2012 13:39
JW-EA09-COMP-120507	580-32803-53	HP28012.D	05/25/2012 14:01

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab File ID: HP27813.D DFTPP Injection Date: 04/26/2012
 Instrument ID: TAC023 DFTPP Injection Time: 15:32
 Analysis Batch No.: 110125

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	31.9
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.7
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	10.0 - 80.0 % of mass 198	47.1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	28.2
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	20.0
442	Greater than 50.0 % of mass 198	130.3
443	15.0 - 24.0 % of mass 442	26.0 (20.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 580-110125/3	HP27815.D	04/26/2012	16:06
	IC 580-110125/4	HP27816.D	04/26/2012	16:28
	IC 580-110125/5	HP27817.D	04/26/2012	16:50
	IC 580-110125/6	HP27818.D	04/26/2012	17:11
	ICIS 580-110125/7	HP27819.D	04/26/2012	17:33
	IC 580-110125/8	HP27820.D	04/26/2012	17:55
	IC 580-110125/9	HP27821.D	04/26/2012	18:16
	IC 580-110125/10	HP27822.D	04/26/2012	18:38
	ICV 580-110125/11	HP27823.D	04/26/2012	19:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab File ID: HP27996.D DFTPP Injection Date: 05/23/2012
 Instrument ID: TAC023 DFTPP Injection Time: 13:24
 Analysis Batch No.: 111929

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	34.7
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	41.7
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	10.0 - 80.0 % of mass 198	48.9
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.0
275	10.0 - 60.0 % of mass 198	28.5
365	Greater than 1.0 % of mass 198	4.1
441	Present but less than mass 443	20.3
442	Greater than 50.0 % of mass 198	131.5
443	15.0 - 24.0 % of mass 442	26.3 (20.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-111929/2	HP27997.D	05/23/2012	13:37
	MB 580-111171/1-A	HP27998.D	05/23/2012	13:58
	LCS 580-111171/2-A	HP27999.D	05/23/2012	14:20
	LCSD 580-111171/3-A	HP28000.D	05/23/2012	14:42
JW-RB-120507	580-32803-54	HP28001.D	05/23/2012	15:04
JW-FB-120507	580-32803-55	HP28002.D	05/23/2012	15:25

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab File ID: HP28004.D DFTPP Injection Date: 05/25/2012
 Instrument ID: TAC023 DFTPP Injection Time: 10:11
 Analysis Batch No.: 112072

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	36.5
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	42.9
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	10.0 - 80.0 % of mass 198	50.2
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	28.0
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	19.2
442	Greater than 50.0 % of mass 198	122.6
443	15.0 - 24.0 % of mass 442	24.8 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-112072/2	HP28005.D	05/25/2012	10:24
	MB 580-111684/1-A	HP28006.D	05/25/2012	11:51
	LCS 580-111684/2-A	HP28007.D	05/25/2012	12:12
JW-EA58-COMP-120507	580-32803-7	HP28008.D	05/25/2012	12:34
JW-EA08-COMP-120507	580-32803-10	HP28009.D	05/25/2012	12:56
JW-EA10-COMP-120507	580-32803-21	HP28010.D	05/25/2012	13:17
JW-EA01-COMP-120507	580-32803-46	HP28011.D	05/25/2012	13:39
JW-EA09-COMP-120507	580-32803-53	HP28012.D	05/25/2012	14:01

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	30839	3.88	49046	4.87	27682	6.29
UPPER LIMIT	61678	4.38	98092	5.37	55364	6.79
LOWER LIMIT	15420	3.38	24523	4.37	13841	5.79
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	41529	3.89	51301	4.87	29370	6.29

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	42366	7.52	50070	9.74	38494	11.50
UPPER LIMIT	84732	8.02	100140	10.24	76988	12.00
LOWER LIMIT	21183	7.02	25035	9.24	19247	11.00
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	45820	7.52	55067	9.74	42441	11.50

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: CCVIS 580-111929/2 Date Analyzed: 05/23/2012 13:37
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27997.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	29271	3.86	49369	4.84	28198	6.26	
UPPER LIMIT	58542	4.36	98738	5.34	56396	6.76	
LOWER LIMIT	14636	3.36	24685	4.34	14099	5.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111171/1-A		17455	3.85	45672	4.84	25109	6.26
LCS 580-111171/2-A		37209	3.87	49290	4.84	28034	6.26
LCSD 580-111171/3-A		32142	3.86	42989	4.84	24476	6.26
580-32803-54	JW-RB-120507	16590	3.85	43454	4.84	23763	6.26
580-32803-55	JW-FB-120507	16443	3.85	42568	4.84	23443	6.26

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: CCVIS 580-111929/2 Date Analyzed: 05/23/2012 13:37
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27997.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	42317	7.49	49128	9.71	37247	11.45	
UPPER LIMIT	84634	7.99	98256	10.21	74494	11.95	
LOWER LIMIT	21159	6.99	24564	9.21	18624	10.95	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111171/1-A	40032	7.49	45619	9.71	31808	11.45	
LCS 580-111171/2-A	43942	7.49	51614	9.71	40234	11.45	
LCSD 580-111171/3-A	37525	7.49	43172	9.71	31349	11.45	
580-32803-54	JW-RB-120507	38104	7.49	38517	9.71	29061	11.45
580-32803-55	JW-FB-120507	36793	7.49	38455	9.71	26375	11.45

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	26236	3.86	44540	4.84	24882	6.26	
UPPER LIMIT	52472	4.36	89080	5.34	49764	6.76	
LOWER LIMIT	13118	3.36	22270	4.34	12441	5.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111684/1-A	17886	3.86	46569	4.85	25232	6.27	
LCS 580-111684/2-A	34419	3.86	42276	4.84	23915	6.26	
580-32803-7	JW-EA58-COMP-120507	16925	3.85	44319	4.84	24485	6.26
580-32803-10	JW-EA08-COMP-120507	17554	3.85	46123	4.84	25956	6.26
580-32803-21	JW-EA10-COMP-120507	17075	3.86	46116	4.84	25628	6.26
580-32803-46	JW-EA01-COMP-120507	17627	3.86	46639	4.84	26233	6.26
580-32803-53	JW-EA09-COMP-120507	15772	3.85	41200	4.84	22899	6.26

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY			
	AREA #	RT #	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	37694	7.49	43217	9.71	31605	11.45		
UPPER LIMIT	75388	7.99	86434	10.21	63210	11.95		
LOWER LIMIT	18847	6.99	21609	9.21	15803	10.95		
LAB SAMPLE ID	CLIENT SAMPLE ID							
MB 580-111684/1-A			39169	7.49	40860	9.72	28574	11.46
LCS 580-111684/2-A			36002	7.49	42854	9.71	29429	11.45
580-32803-7	JW-EA58-COMP-120507		38140	7.49	46744	9.71	39315	11.45
580-32803-10	JW-EA08-COMP-120507		40844	7.49	46481	9.71	41055	11.45
580-32803-21	JW-EA10-COMP-120507		40245	7.49	49165	9.71	43237	11.45
580-32803-46	JW-EA01-COMP-120507		40610	7.49	47305	9.71	42241	11.45
580-32803-53	JW-EA09-COMP-120507		35544	7.49	39684	9.71	33662	11.45

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-EA58-COMP-120507 Lab Sample ID: 580-32803-7
 Matrix: Solid Lab File ID: HP28008.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 15:10
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.2181(g) Date Analyzed: 05/25/2012 12:34
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 51.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.67	J	1.0	0.41
91-57-6	2-Methylnaphthalene	ND		1.0	0.41
90-12-0	1-Methylnaphthalene	0.32	J	1.0	0.30
208-96-8	Acenaphthylene	1.3		1.0	0.30
83-32-9	Acenaphthene	0.96	J	1.0	0.30
86-73-7	Fluorene	1.2		1.0	0.30
85-01-8	Phenanthrene	8.8		1.0	0.30
120-12-7	Anthracene	3.5		1.0	0.30
206-44-0	Fluoranthene	16		1.0	0.30
129-00-0	Pyrene	17		1.0	0.30
56-55-3	Benzo[a]anthracene	6.7		1.0	0.30
218-01-9	Chrysene	12		1.0	0.30
205-99-2	Benzo[b]fluoranthene	9.3		1.0	0.30
207-08-9	Benzo[k]fluoranthene	3.5		1.0	0.30
50-32-8	Benzo[a]pyrene	7.3		1.0	0.30
193-39-5	Indeno[1,2,3-cd]pyrene	5.4		1.0	0.30
53-70-3	Dibenz(a,h)anthracene	1.0		1.0	0.30
191-24-2	Benzo[g,h,i]perylene	4.6		1.0	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D
 Lims ID: 580-32803-D-7-A Client ID: JW-EA58-COMP-120507
 Inject. Date: 25-May-2012 12:34:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-d-7-a
 Misc. Info.: 580-0023449-005 =580-0023449-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 112072 Lims Sample ID: 5
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:16:28

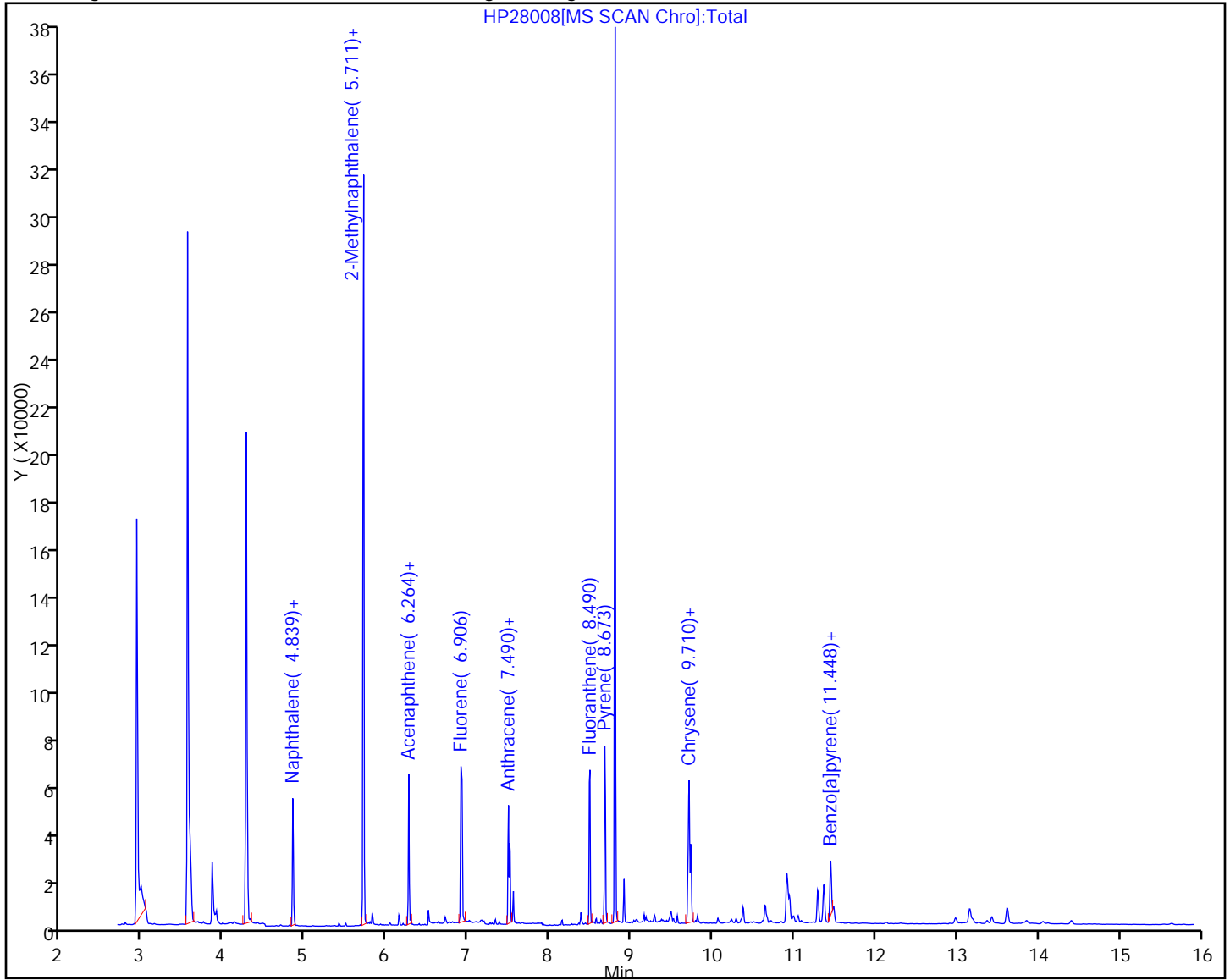
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16925	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44319	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24485	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	38140	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	46744	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	39315	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	110289	755.7	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	199150	539.8	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	290711	704.3	
26 Naphthalene	128	4.853	4.860	-0.007	1	1636	3.29	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	0	520	1.79	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	455	1.56	
31 Acenaphthylene	152	6.143	6.143	0.0	1	2970	6.52	
29 Acenaphthene	153	6.290	6.289	0.001	2	1457	4.73	
32 Fluorene	166	6.712	6.712	0.0	1	1871	5.87	
37 Phenanthrene	178	7.503	7.510	-0.007	1	20805	43.5	
38 Anthracene	178	7.550	7.550	0.0	1	8179	17.4	
42 Fluoranthene	202	8.490	8.490	0.0	1	42596	81.1	
41 Pyrene	202	8.673	8.680	-0.007	39	46321	84.8	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	17300	33.0	
43 Chrysene	228	9.729	9.729	0.0	1	32573	59.8	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	25224	45.8	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	9506	17.1	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	17563	35.8	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.0	1	11821	26.6	
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	0	2359	5.03	M
51 Benzo[g,h,i]perylene	276	13.614	13.621	-0.007	1	11108	22.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 25-May-2012 16:16:29

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D

Injection Date: 25-May-2012 12:34:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

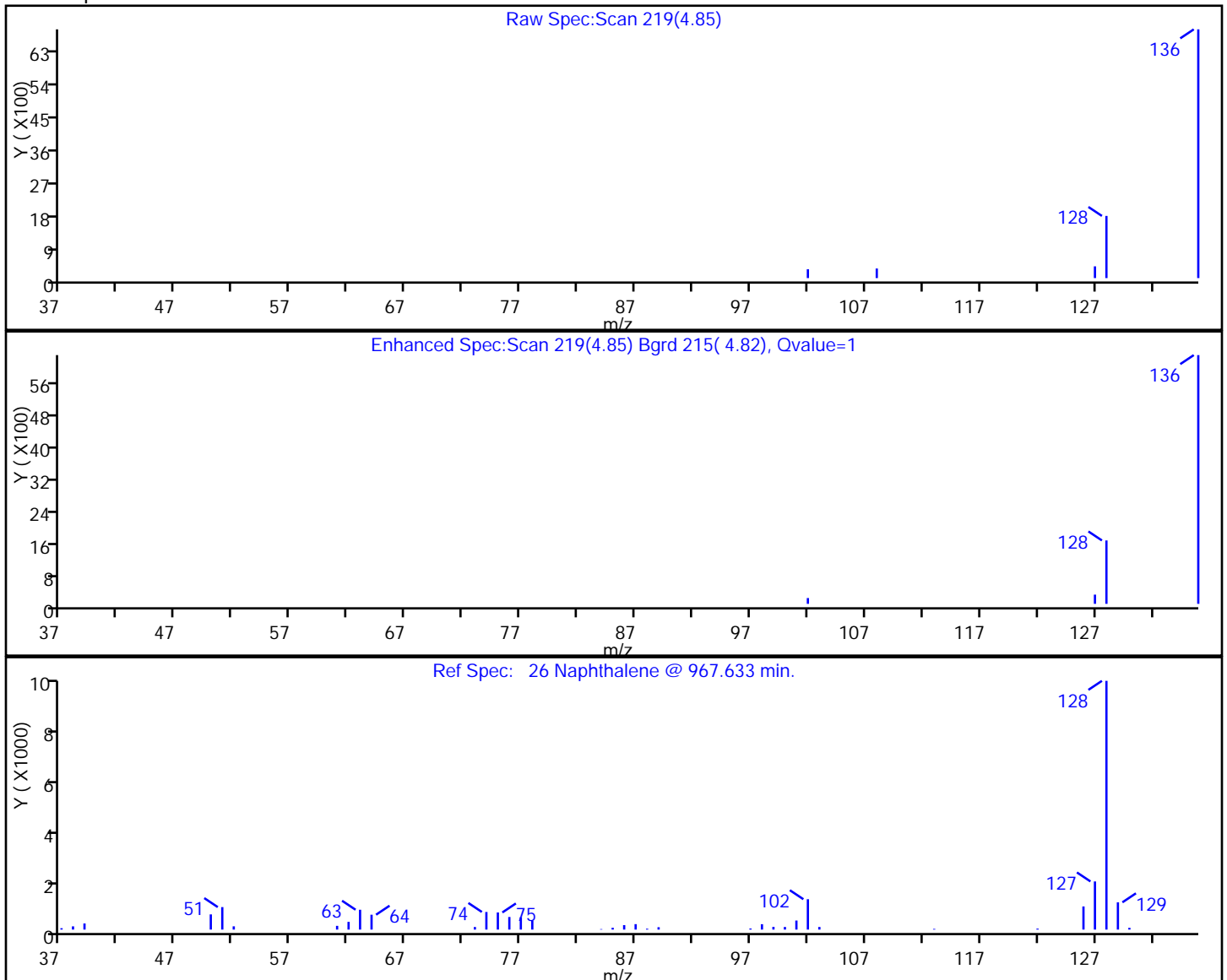
Lims Batch ID: 112072

Lims Sample ID: 5

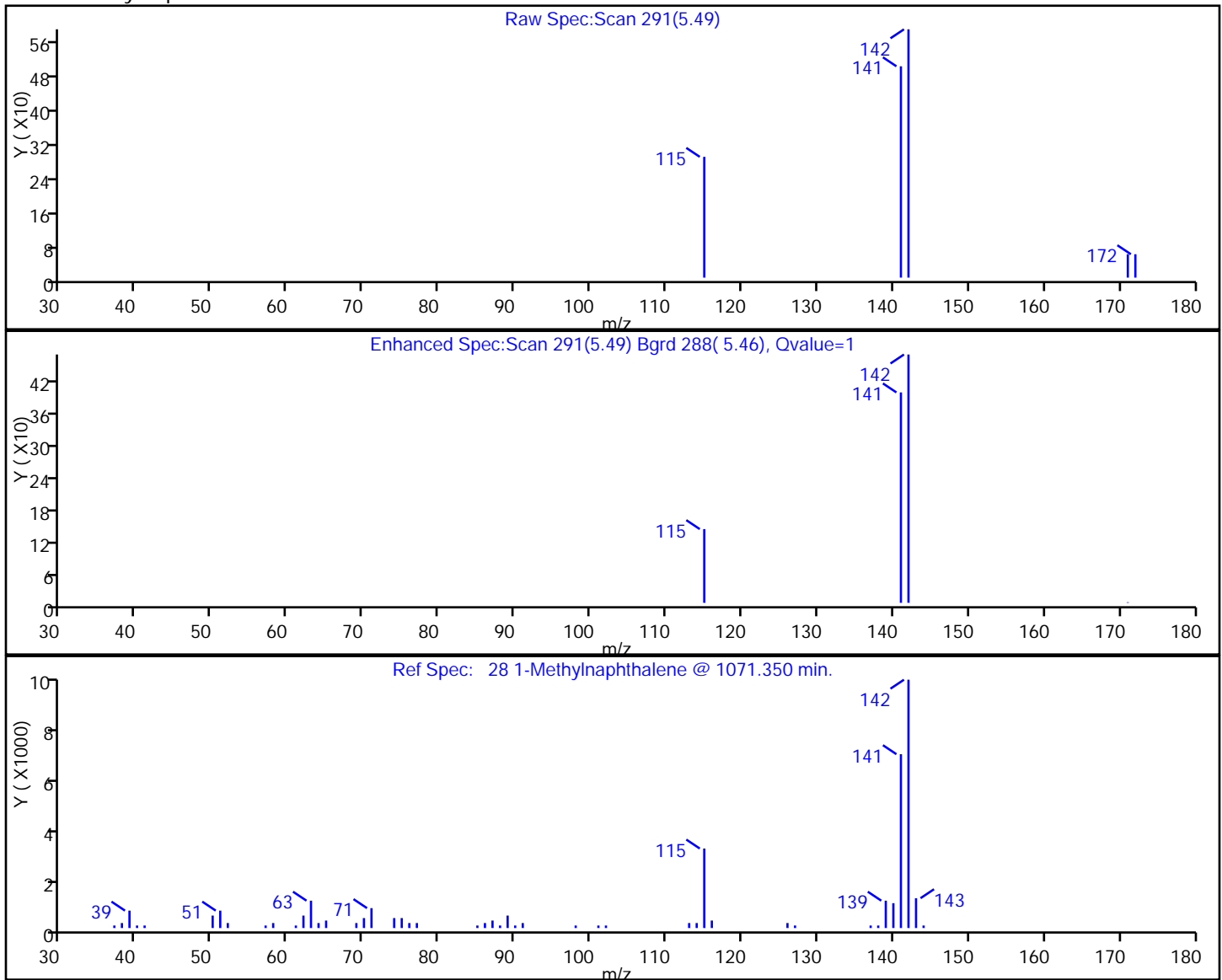
Operator ID: bat

Injection Vol: 1.00 ul

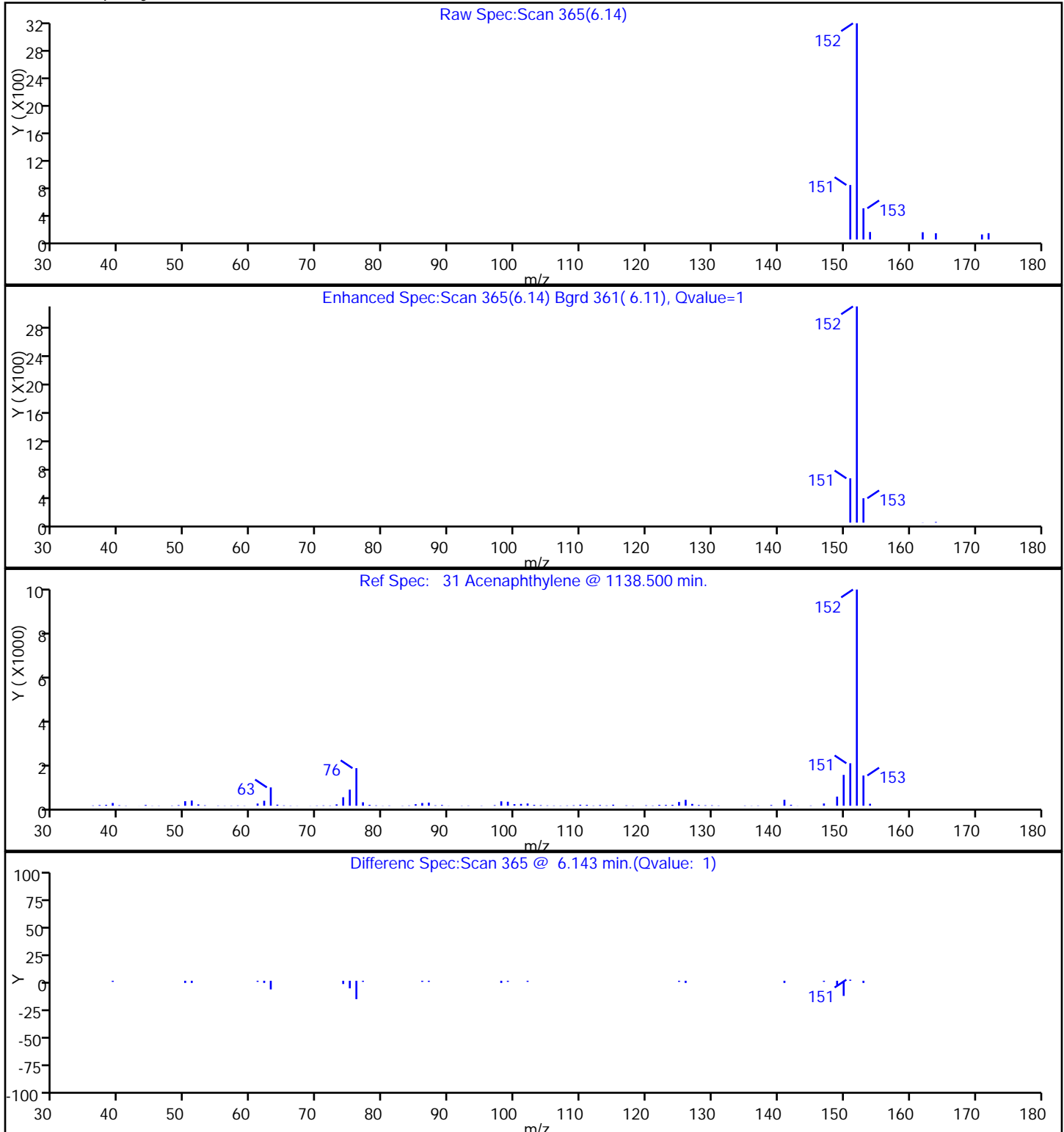
26 Naphthalene



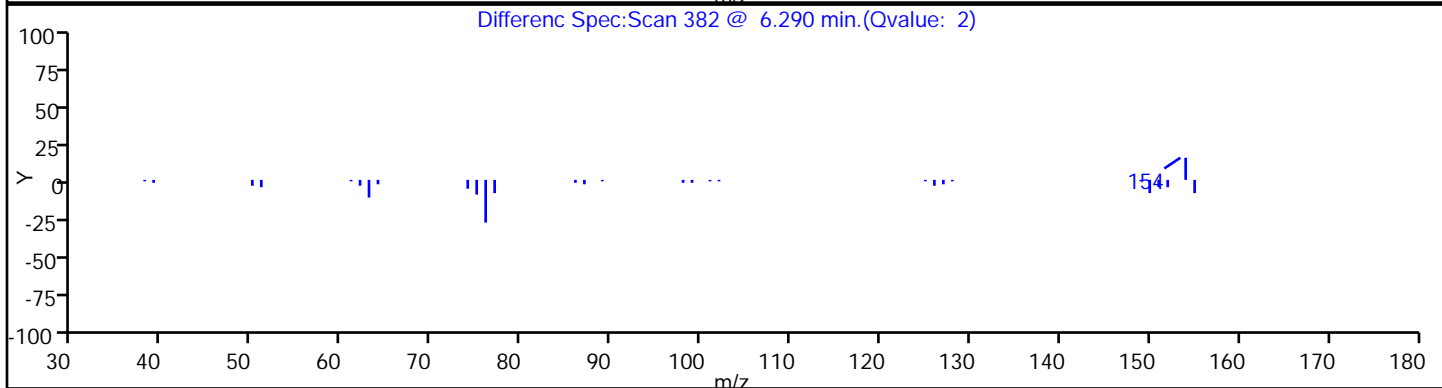
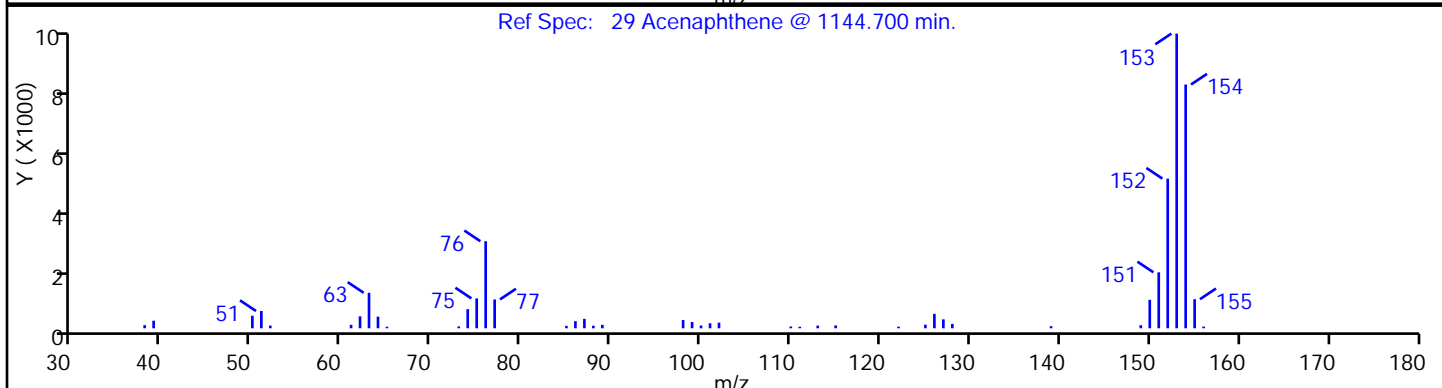
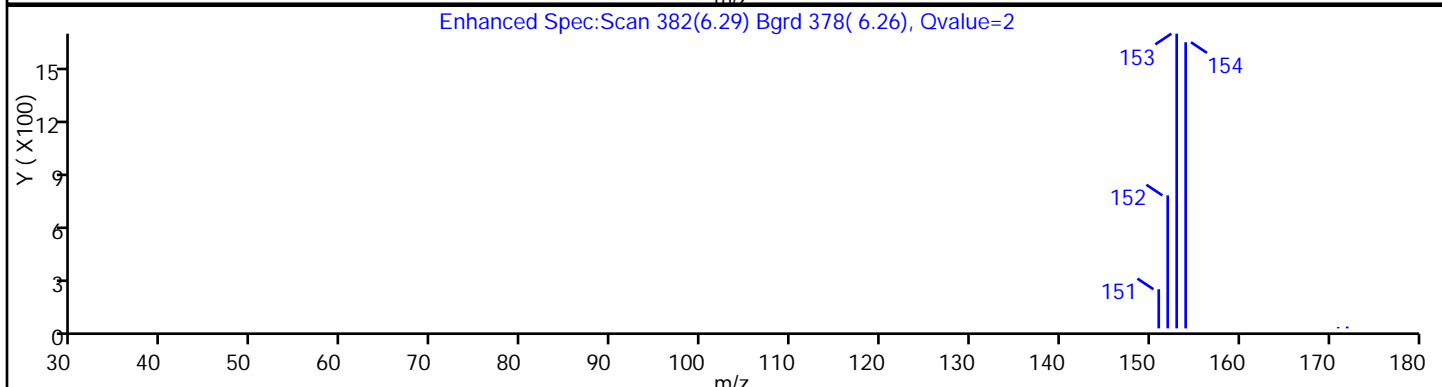
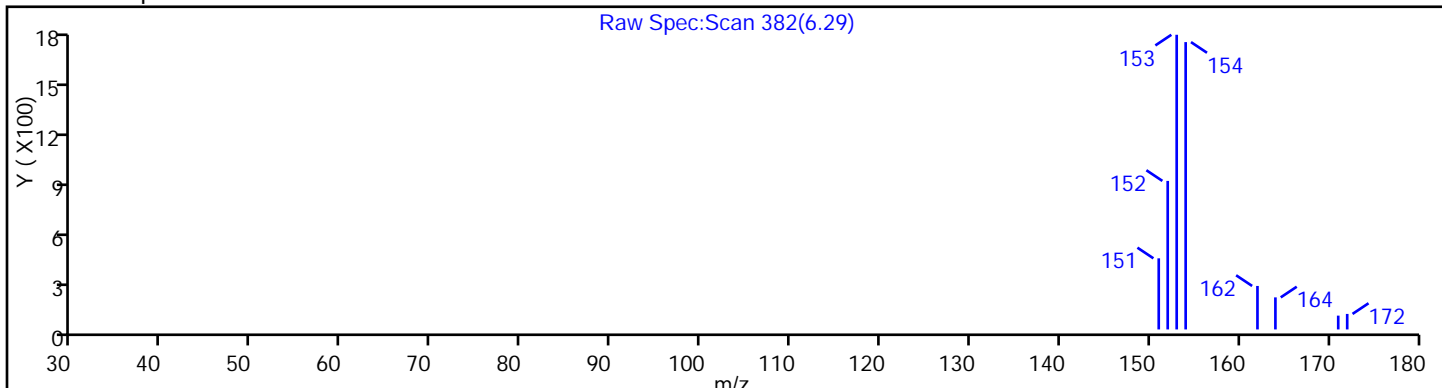
28 1-Methylnaphthalene



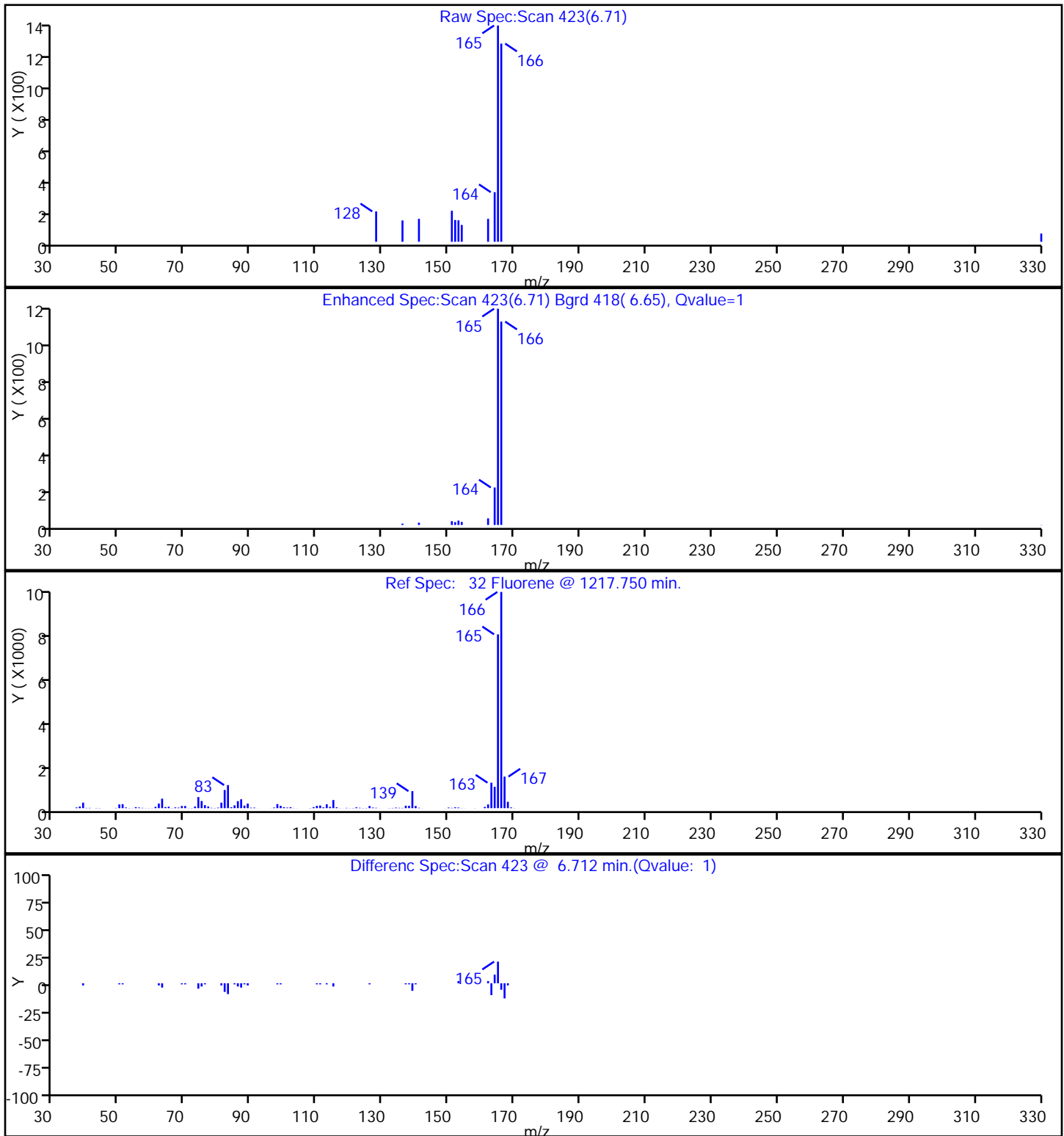
31 Acenaphthylene



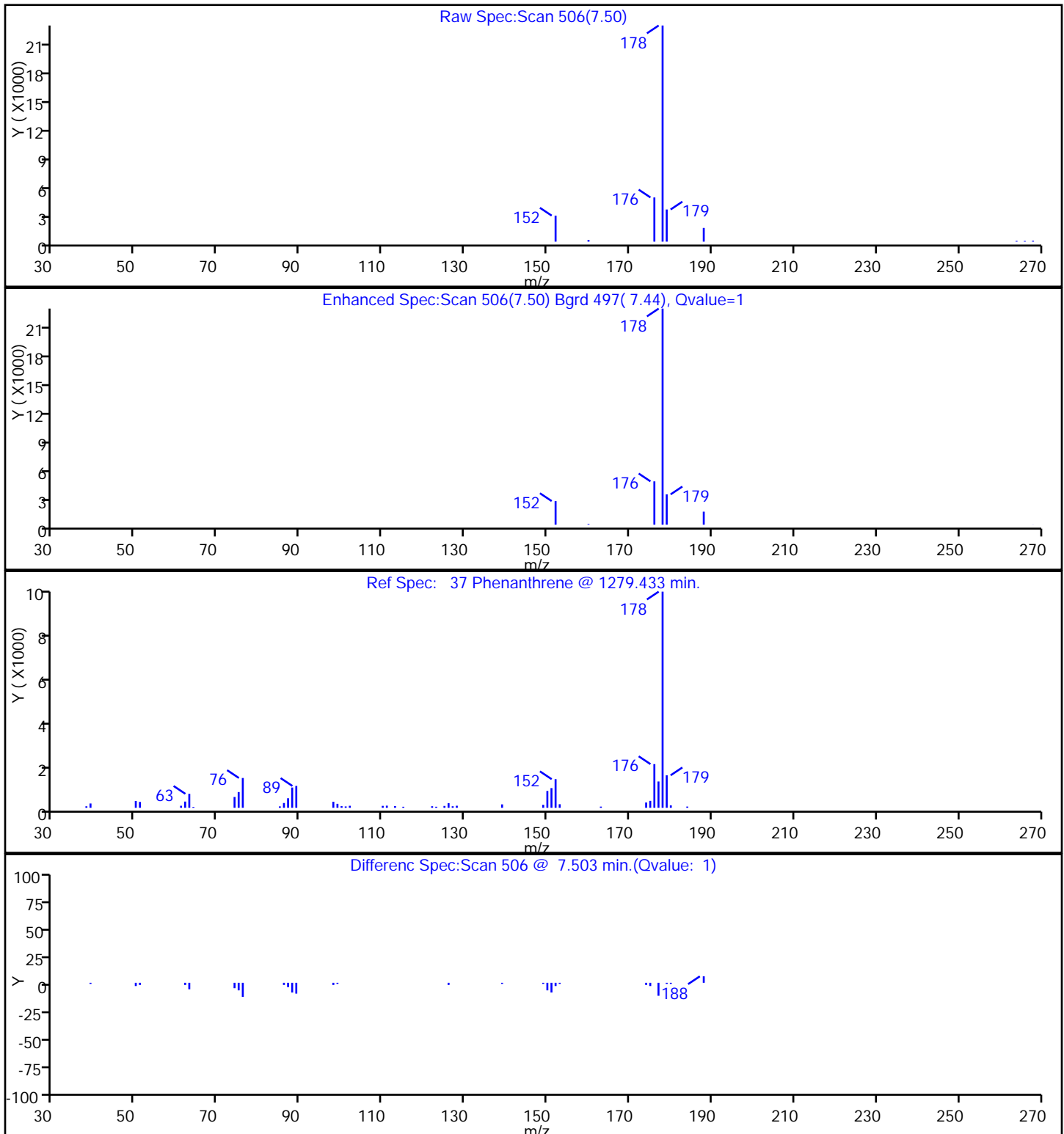
29 Acenaphthene



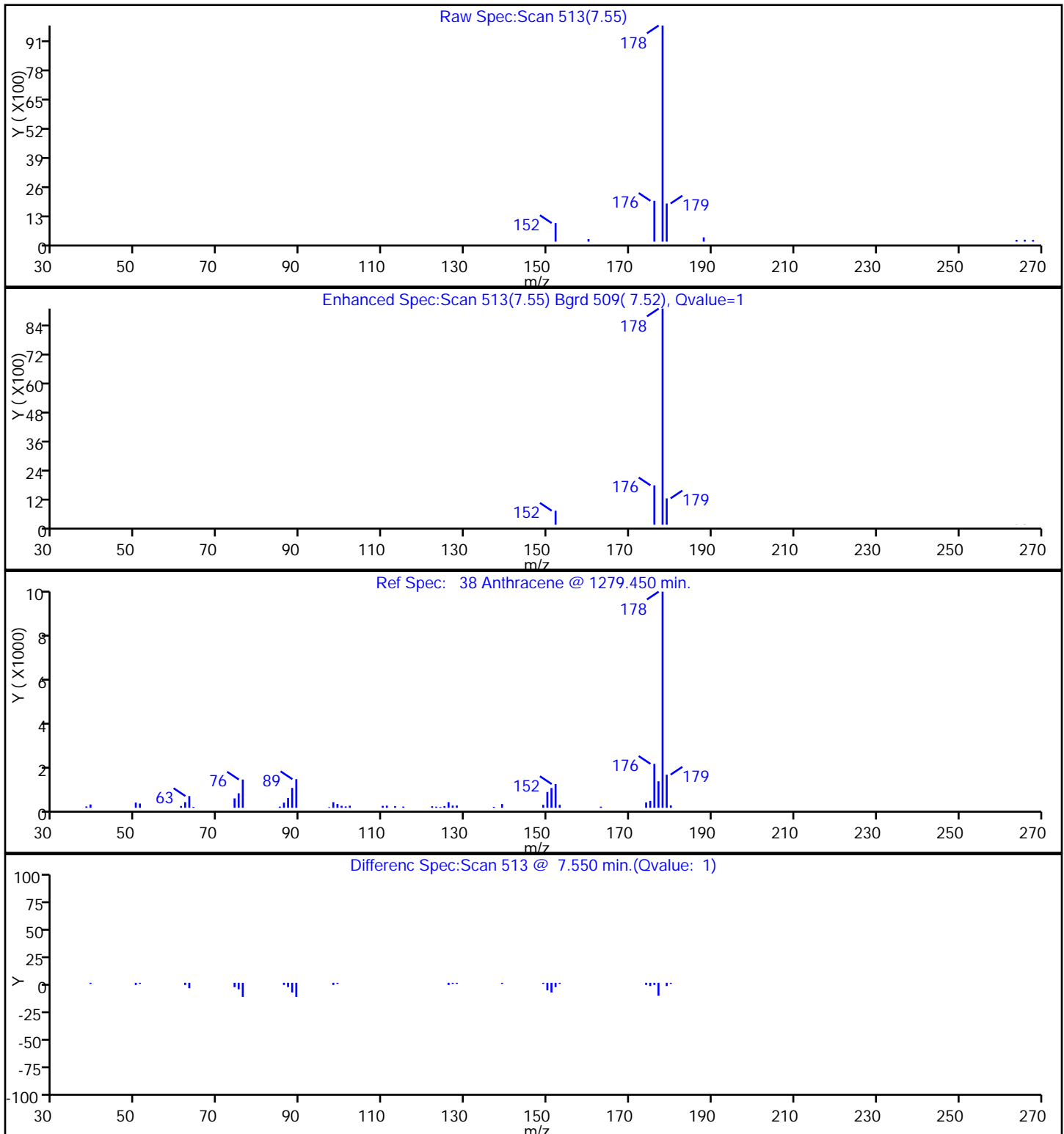
32 Fluorene



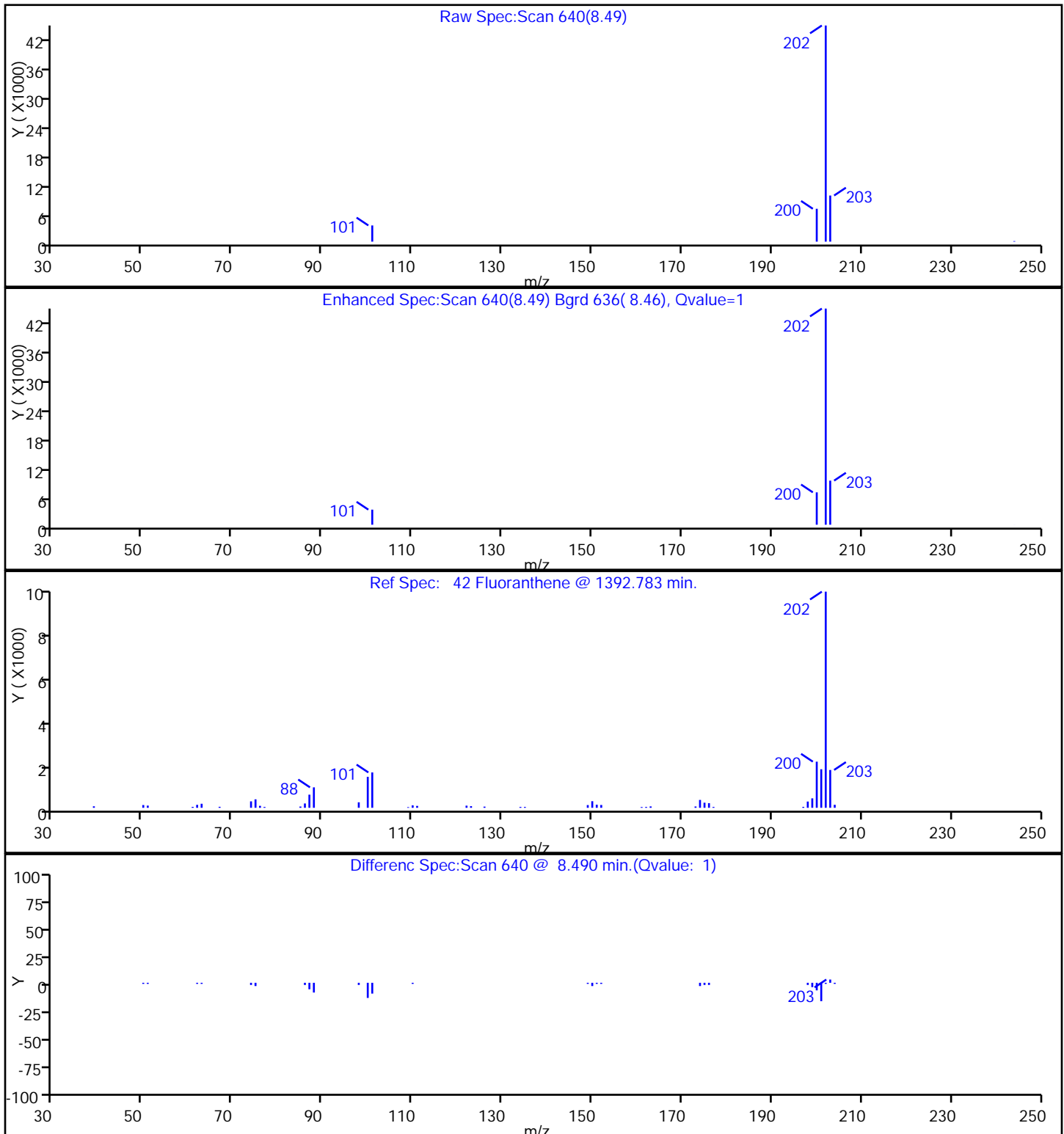
37 Phenanthrene



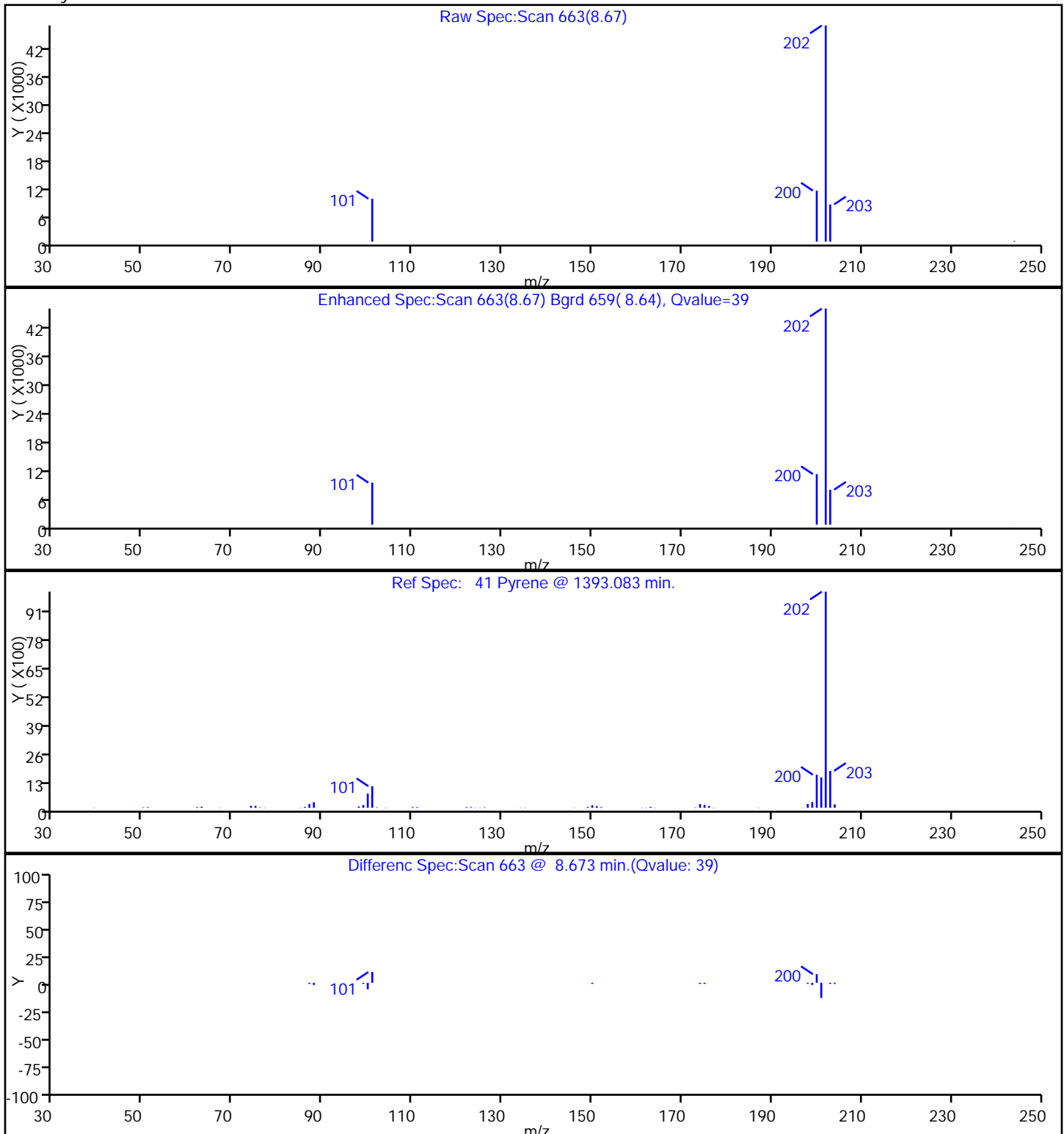
38 Anthracene



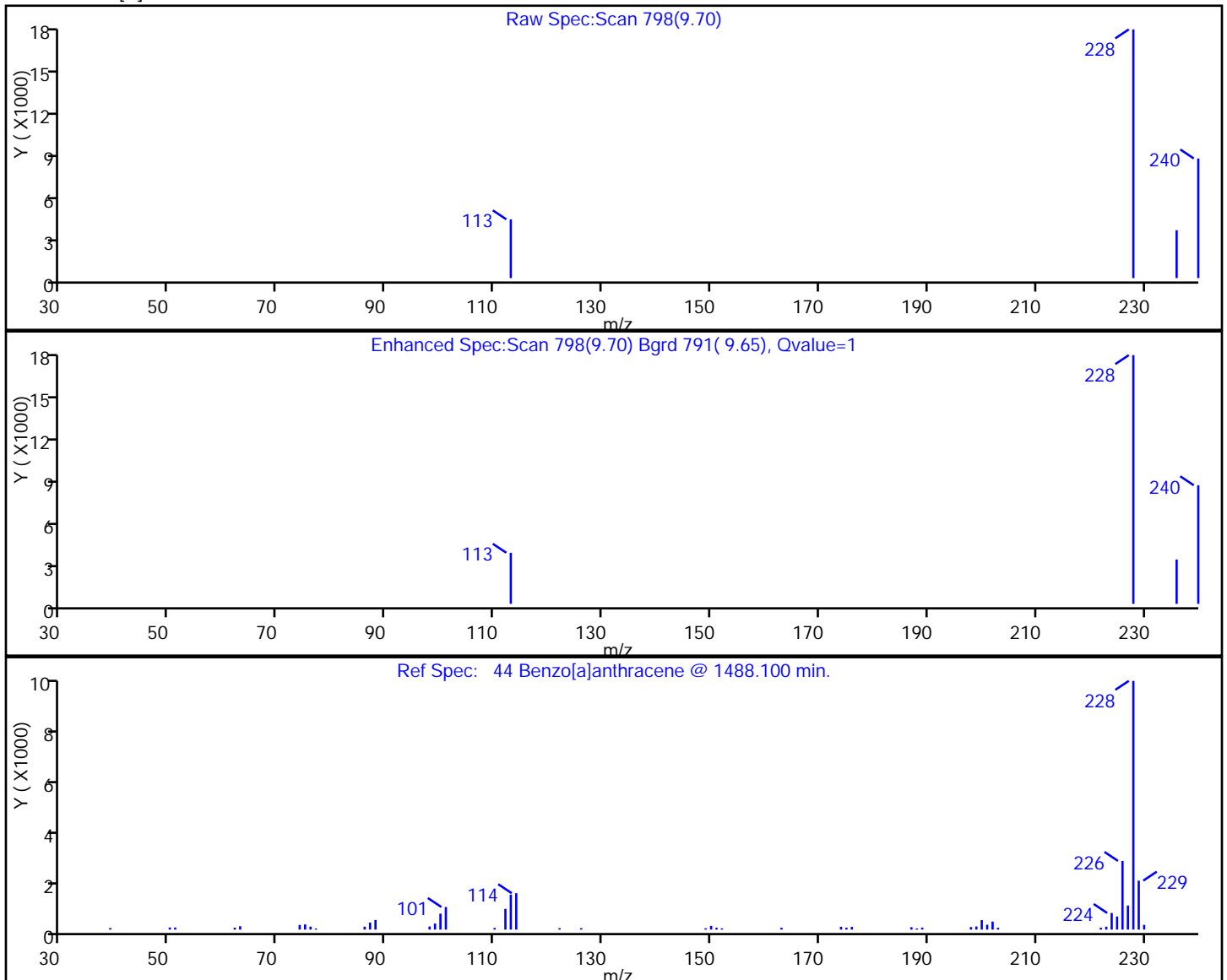
42 Fluoranthene



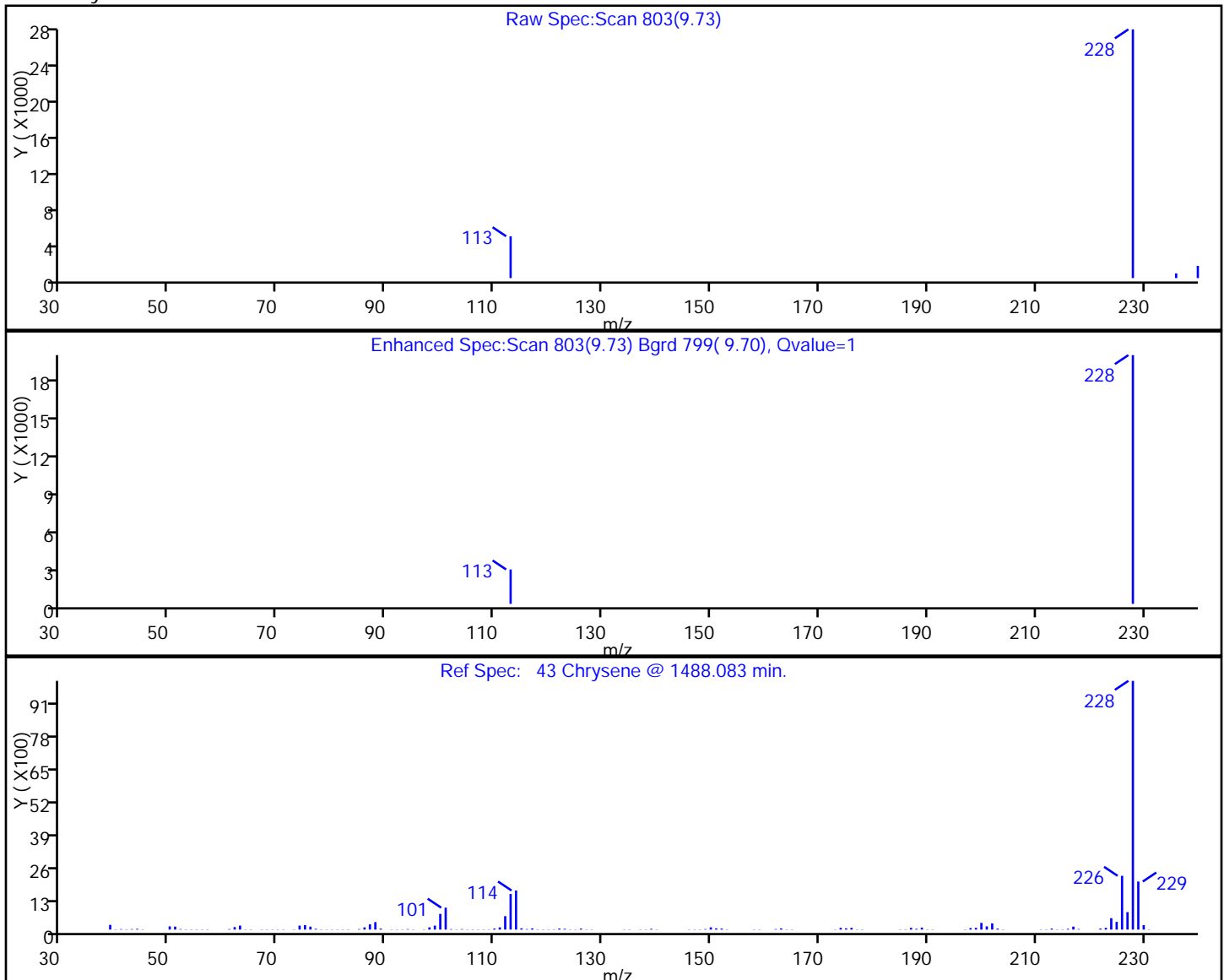
41 Pyrene



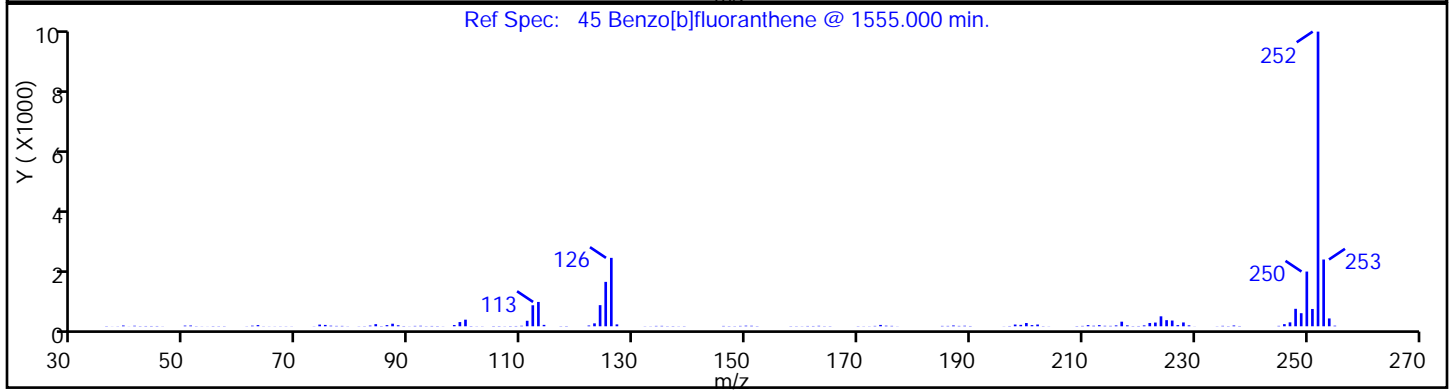
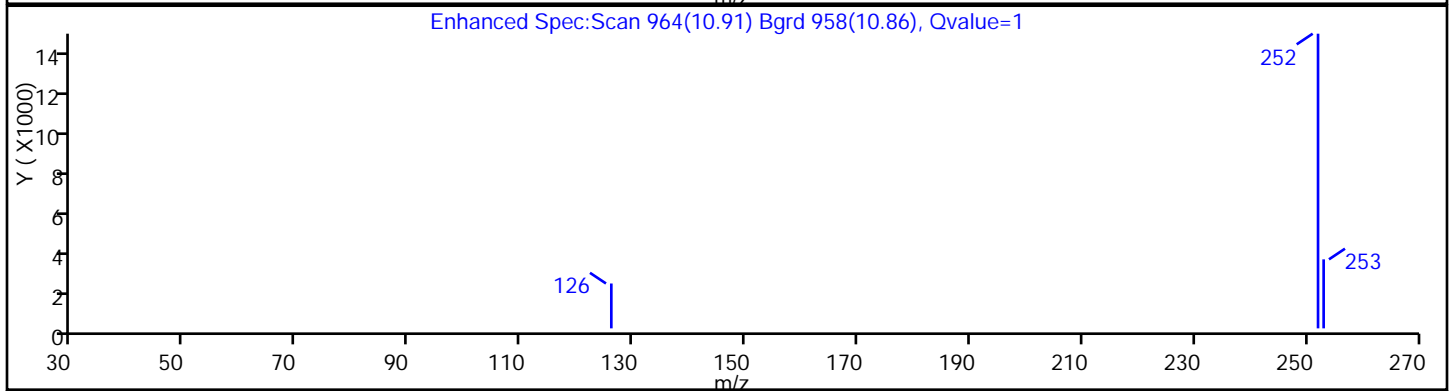
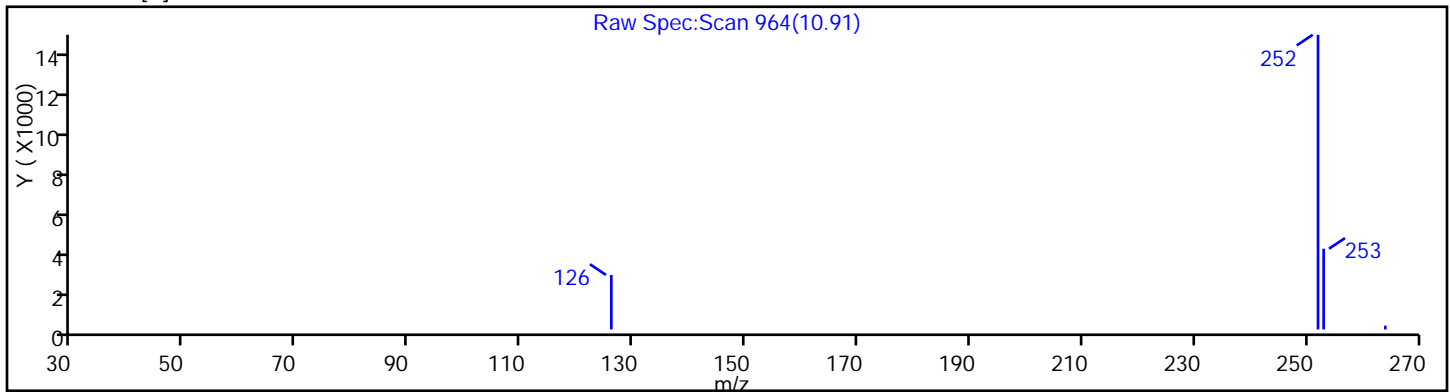
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:16:29

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D

Injection Date: 25-May-2012 12:34:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

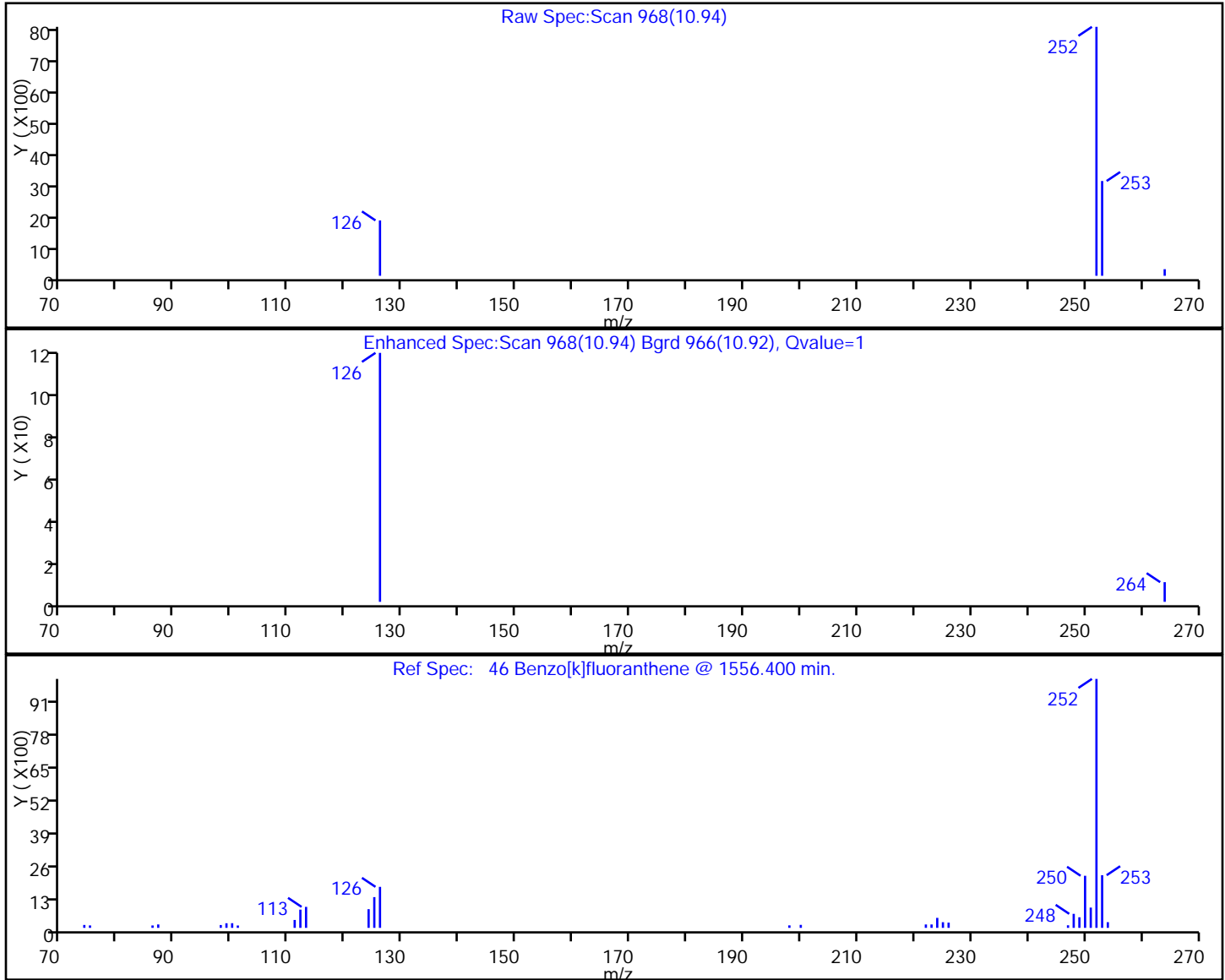
Lims Batch ID: 112072

Lims Sample ID: 5

Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



Report Date: 25-May-2012 16:16:29

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D

Injection Date: 25-May-2012 12:34:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA58-COMP-120507

Instrument ID: TAC023

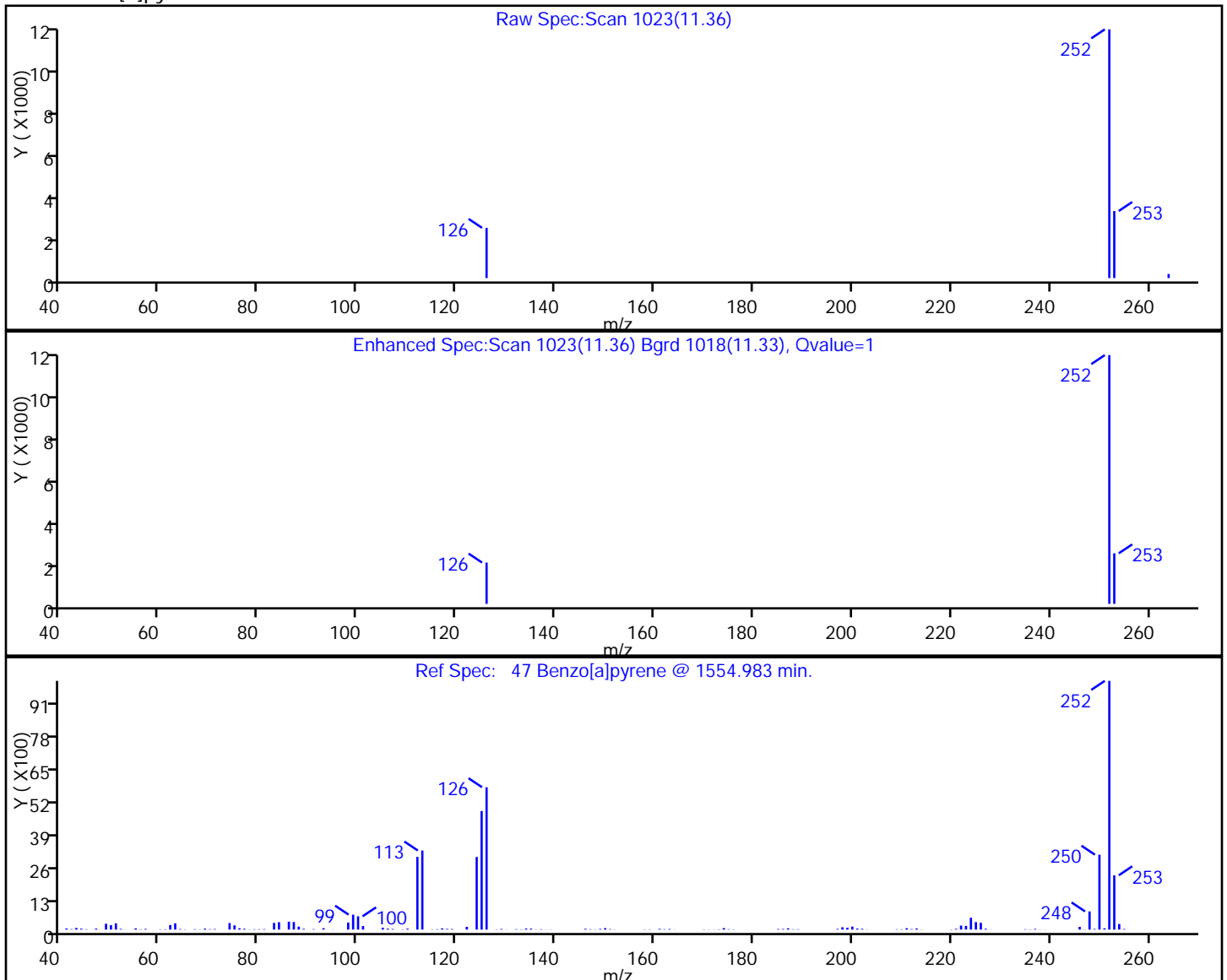
Lims Batch ID: 112072

Lims Sample ID: 5

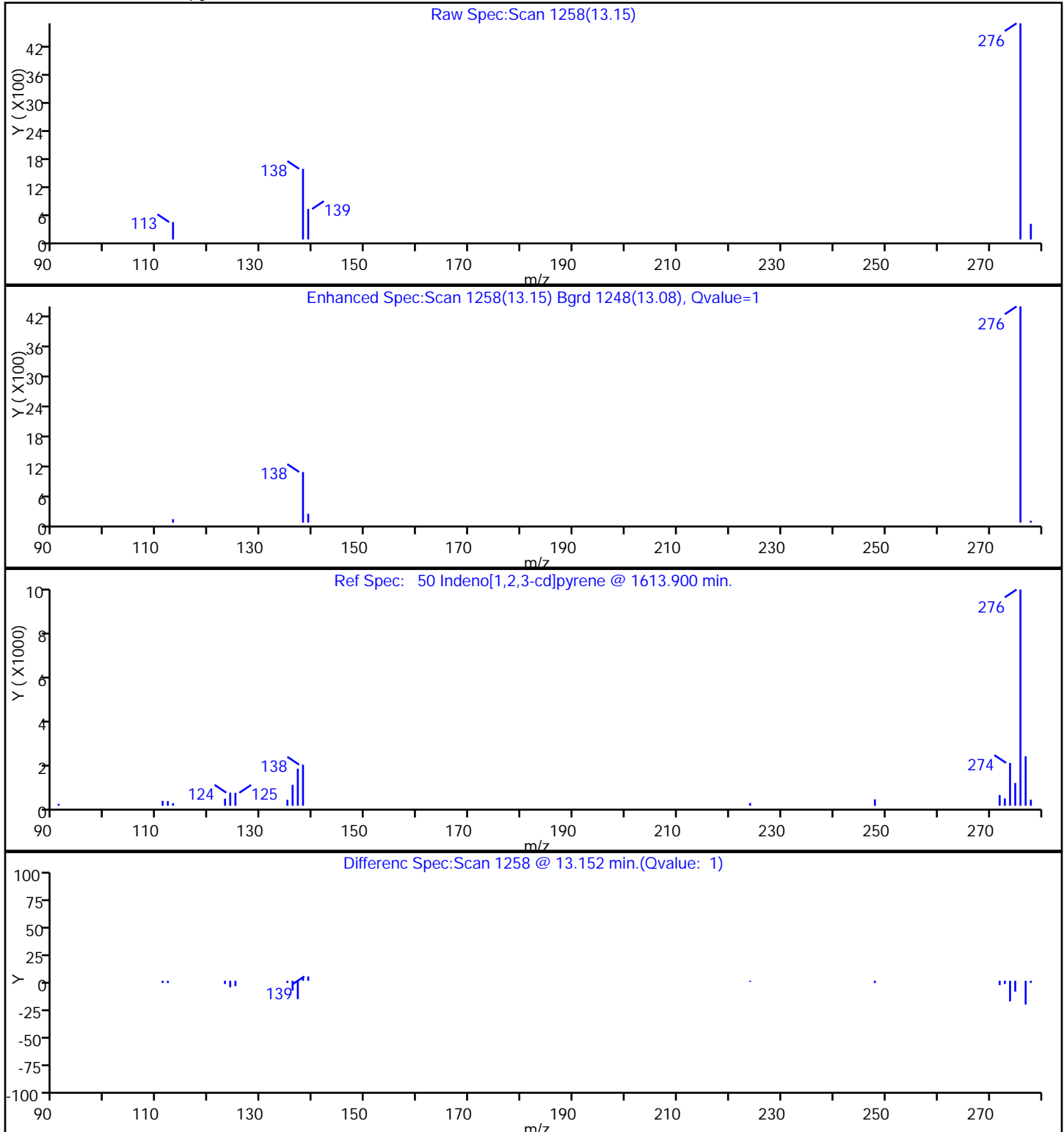
Operator ID: bat

Injection Vol: 1.00 ul

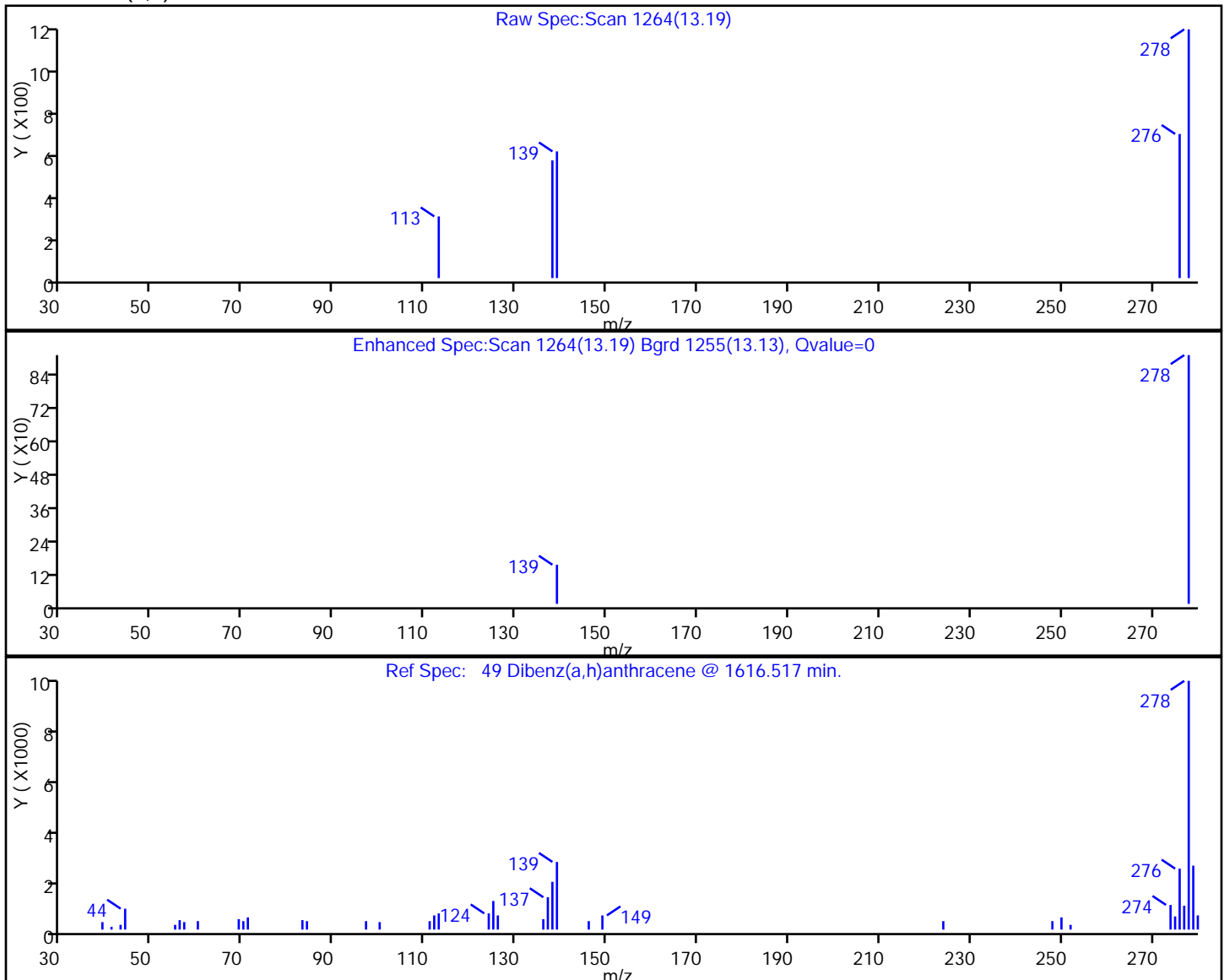
47 Benzo[a]pyrene



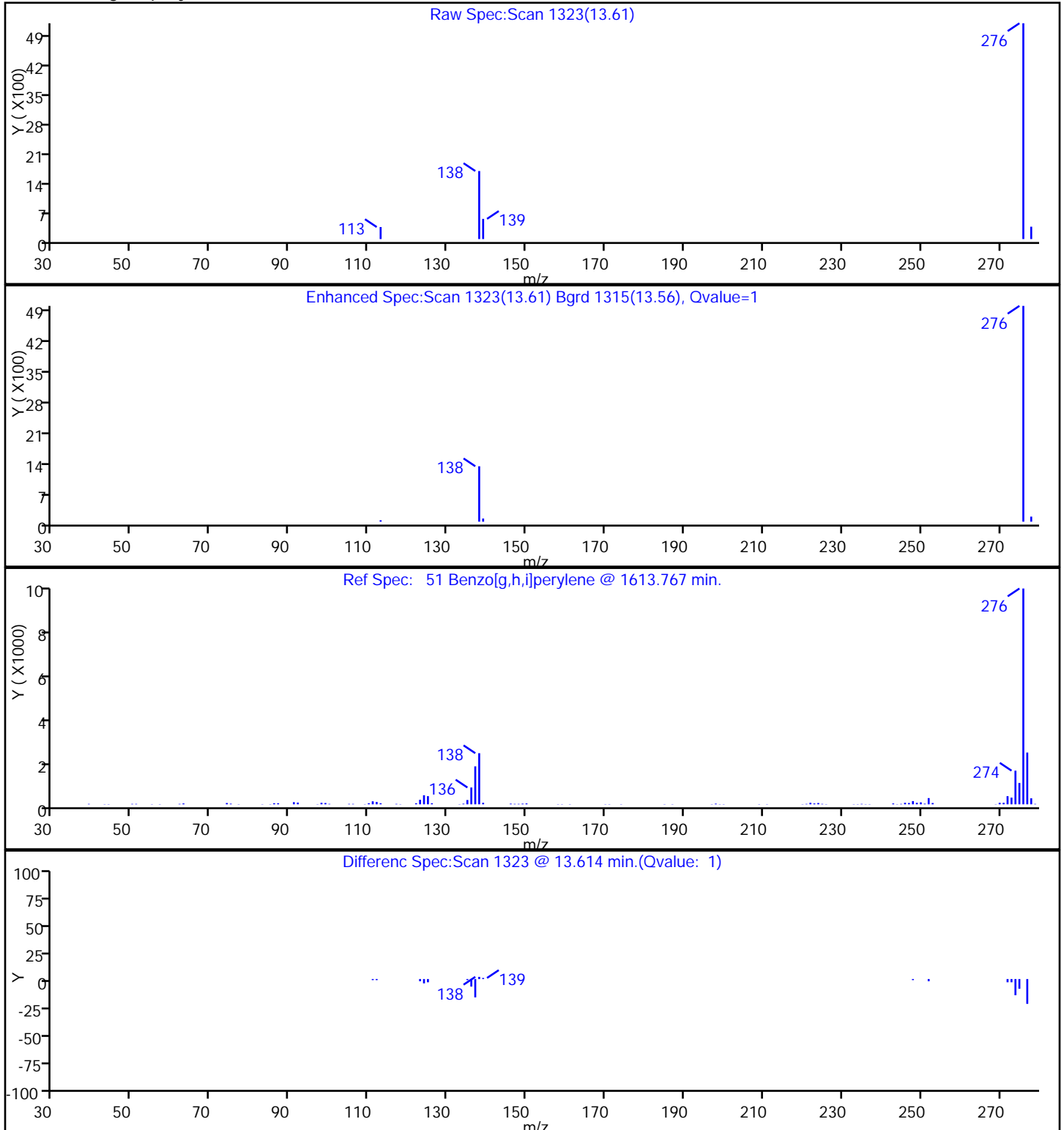
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

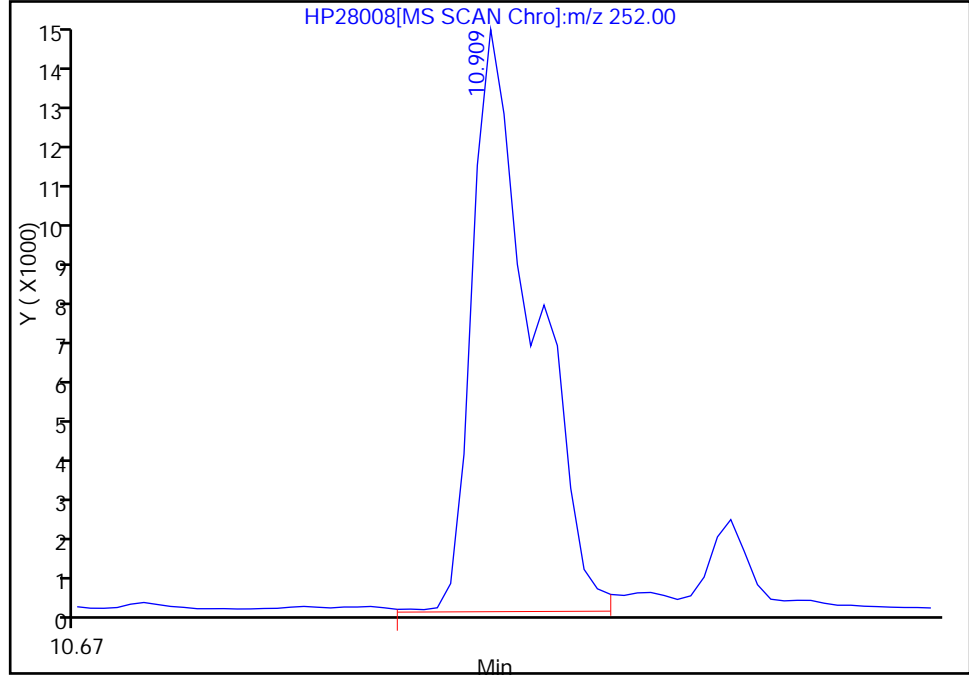


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D
Injection Date: 25-May-2012 12:34:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA58-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

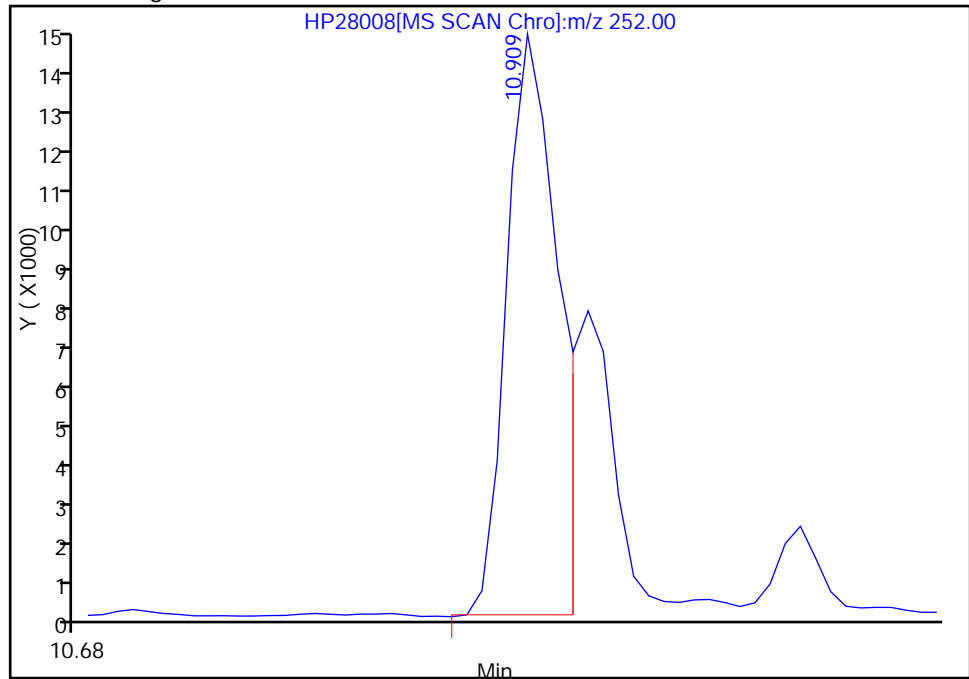
RT: 10.91
Response: 36157
Amount: 65.708654

Processing Integration Results



RT: 10.91
Response: 25224
Amount: 45.839950

Manual Integration Results



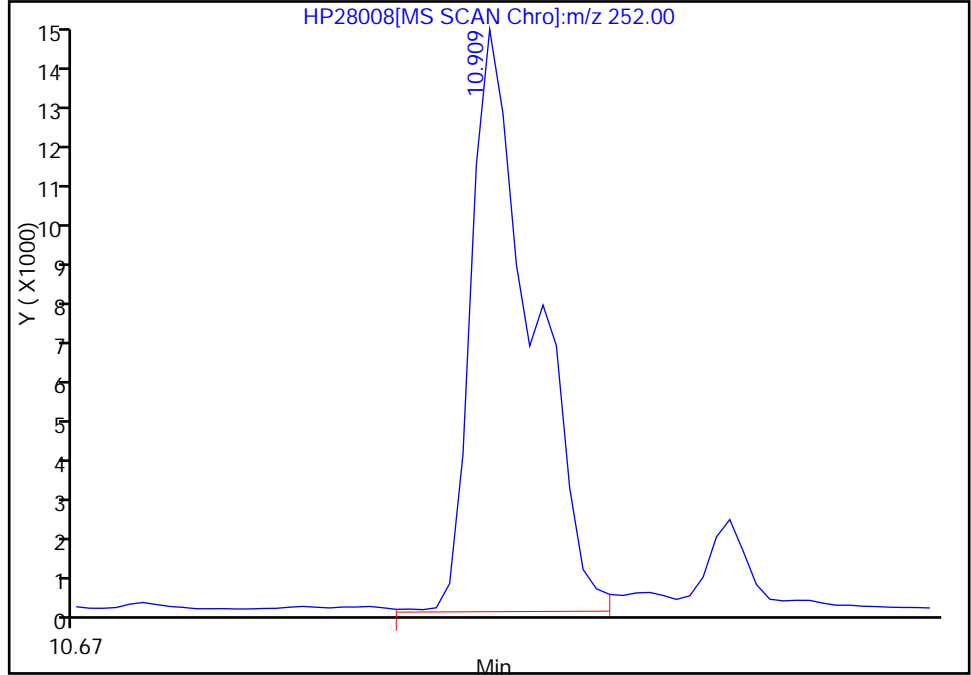
Reviewer: tadesseb, 25-May-2012 16:16:28
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D
Injection Date: 25-May-2012 12:34:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA58-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

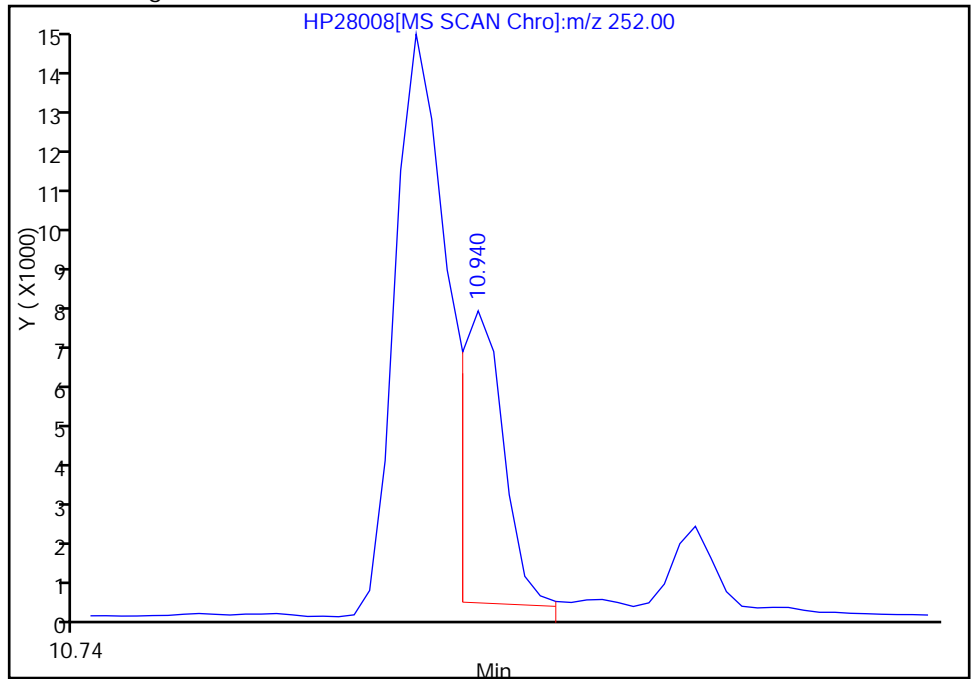
RT: 10.91
Response: 36157
Amount: 64.877077

Processing Integration Results



RT: 10.94
Response: 9506
Amount: 17.056766

Manual Integration Results



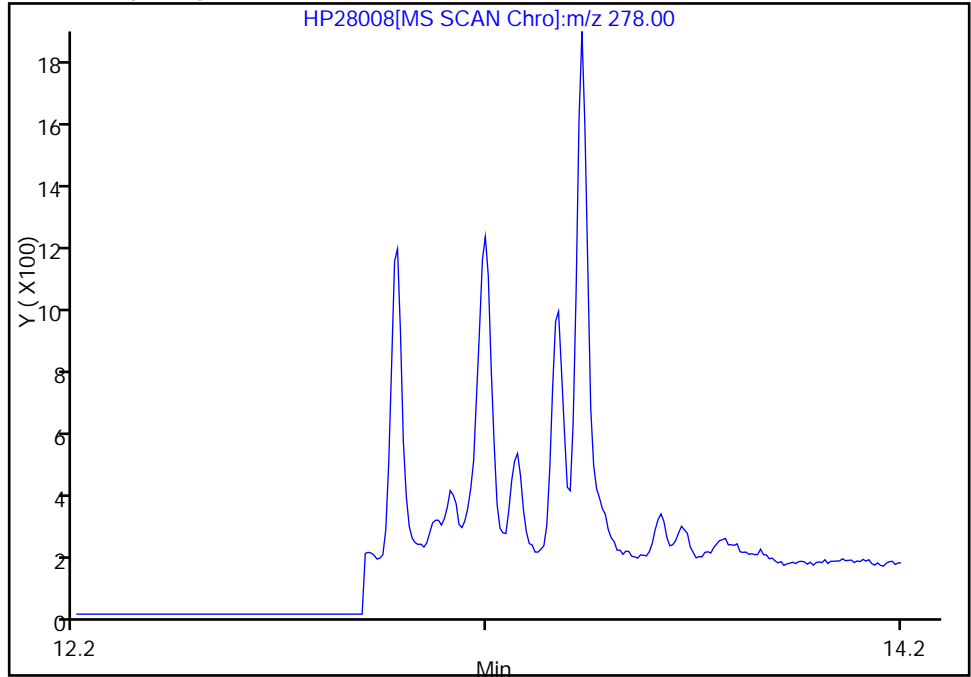
Reviewer: tadesseb, 25-May-2012 16:16:28
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28008.D
Injection Date: 25-May-2012 12:34:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA58-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

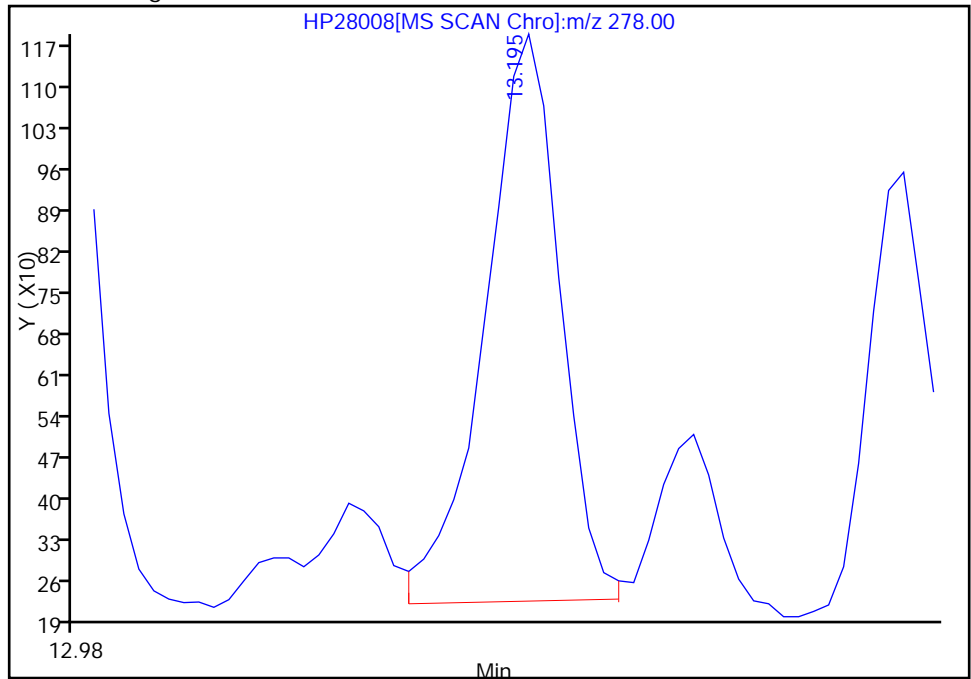
Not Detected
Expected RT: 13.20

Processing Integration Results



Manual Integration Results

RT: 13.19
Response: 2359
Amount: 5.032426



Reviewer: tadesseb, 25-May-2012 16:16:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-EA08-COMP-120507 Lab Sample ID: 580-32803-10
 Matrix: Solid Lab File ID: HP28009.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 15:28
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.5920(g) Date Analyzed: 05/25/2012 12:56
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 50.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.89	J	0.99	0.39
91-57-6	2-Methylnaphthalene	0.56	J	0.99	0.39
90-12-0	1-Methylnaphthalene	0.30	J	0.99	0.30
208-96-8	Acenaphthylene	2.5		0.99	0.30
83-32-9	Acenaphthene	0.99		0.99	0.30
86-73-7	Fluorene	1.6		0.99	0.30
85-01-8	Phenanthrene	9.4		0.99	0.30
120-12-7	Anthracene	8.3		0.99	0.30
206-44-0	Fluoranthene	20		0.99	0.30
129-00-0	Pyrene	19		0.99	0.30
56-55-3	Benzo[a]anthracene	9.9		0.99	0.30
218-01-9	Chrysene	17		0.99	0.30
205-99-2	Benzo[b]fluoranthene	12		0.99	0.30
207-08-9	Benzo[k]fluoranthene	4.6		0.99	0.30
50-32-8	Benzo[a]pyrene	8.9		0.99	0.30
193-39-5	Indeno[1,2,3-cd]pyrene	5.7		0.99	0.30
53-70-3	Dibenz(a,h)anthracene	1.2		0.99	0.30
191-24-2	Benzo[g,h,i]perylene	5.1		0.99	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	68		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D
 Lims ID: 580-32803-E-10-A Client ID: JW-EA08-COMP-120507
 Inject. Date: 25-May-2012 12:56:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-e-10-a
 Misc. Info.: 580-0023449-006 =580-0023449-006
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 112072 Lims Sample ID: 6
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:17:33

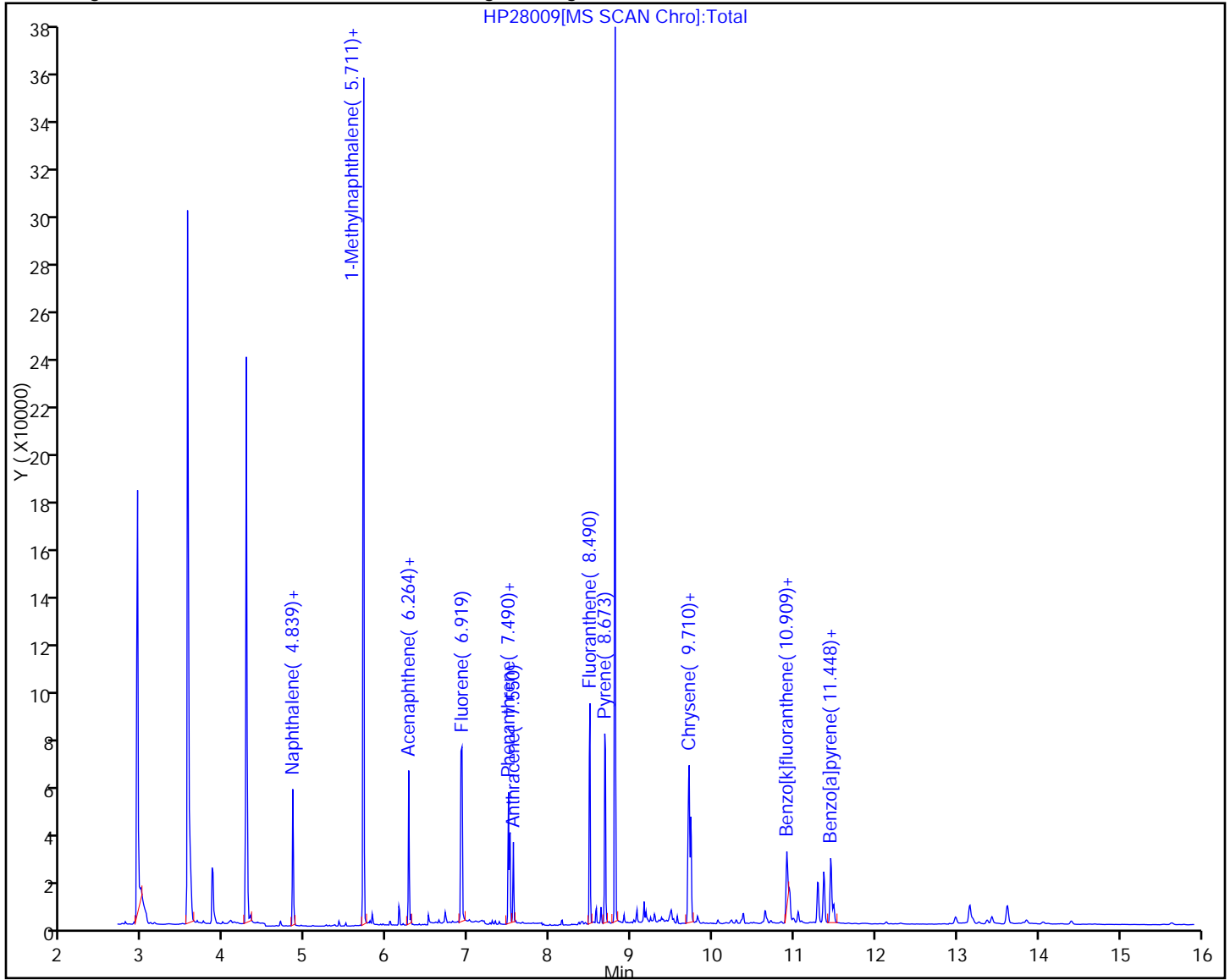
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	17554	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46123	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25956	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	40844	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	46481	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	41055	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	126200	830.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	227109	580.6	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	300370	679.5	
26 Naphthalene	128	4.853	4.860	-0.007	1	2349	4.54	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	858	2.84	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	461	1.52	
31 Acenaphthylene	152	6.143	6.143	0.0	1	6024	12.5	
29 Acenaphthene	153	6.290	6.289	0.001	3	1633	5.01	
32 Fluorene	166	6.712	6.712	0.0	1	2707	8.00	
37 Phenanthrene	178	7.510	7.510	0.0	1	24500	47.9	
38 Anthracene	178	7.550	7.550	0.0	1	21298	42.2	
42 Fluoranthene	202	8.490	8.490	0.0	1	57258	101.8	
41 Pyrene	202	8.681	8.680	0.001	41	55230	94.4	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	26101	50.0	
43 Chrysene	228	9.729	9.729	0.0	1	45491	84.0	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	35724	62.2	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	13691	23.5	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	23062	45.0	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	13446	28.9	
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	0	2868	5.86	M
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	13086	25.7	

QC Flag Legend

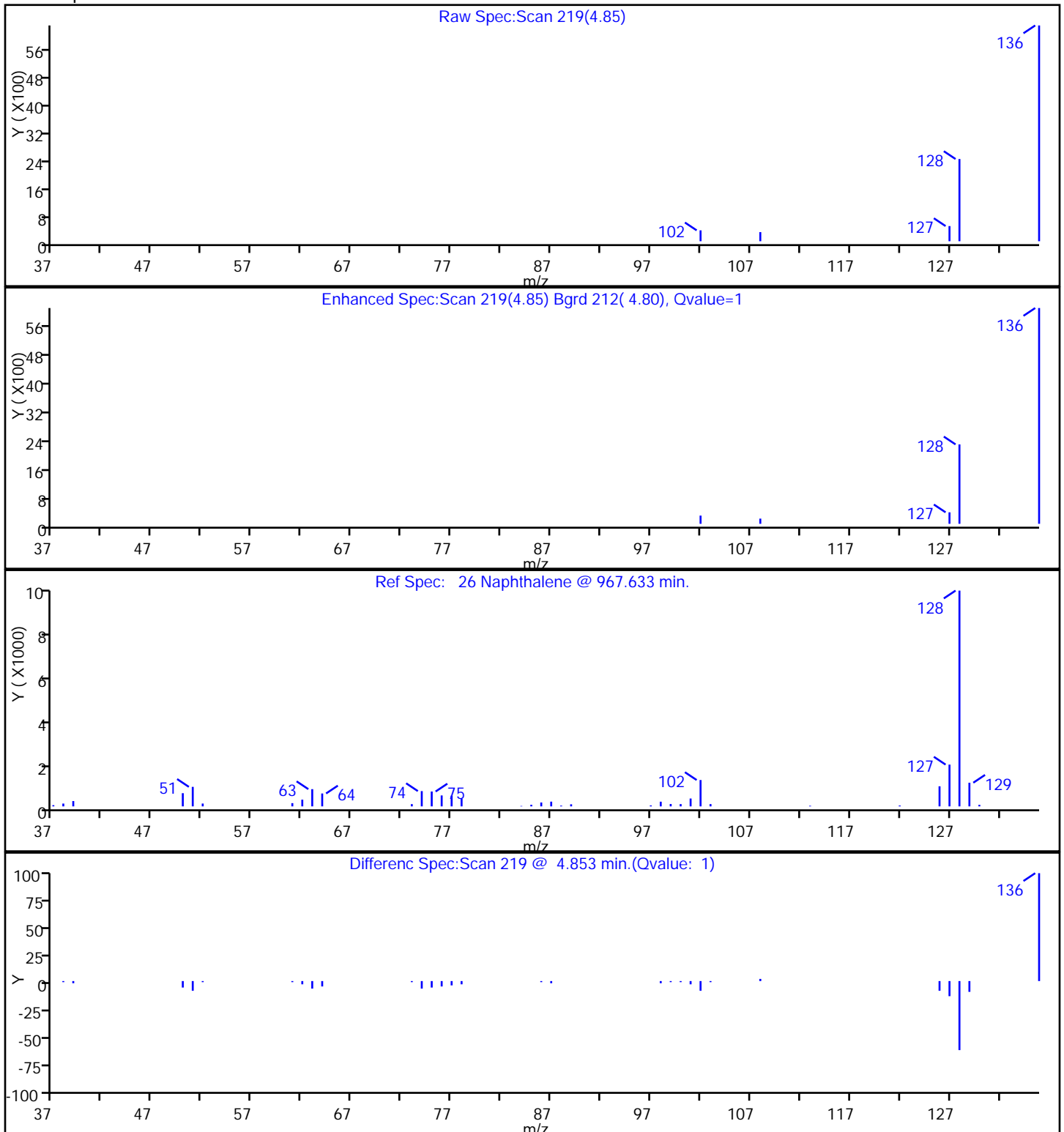
Review Flags

M - Manually Integrated

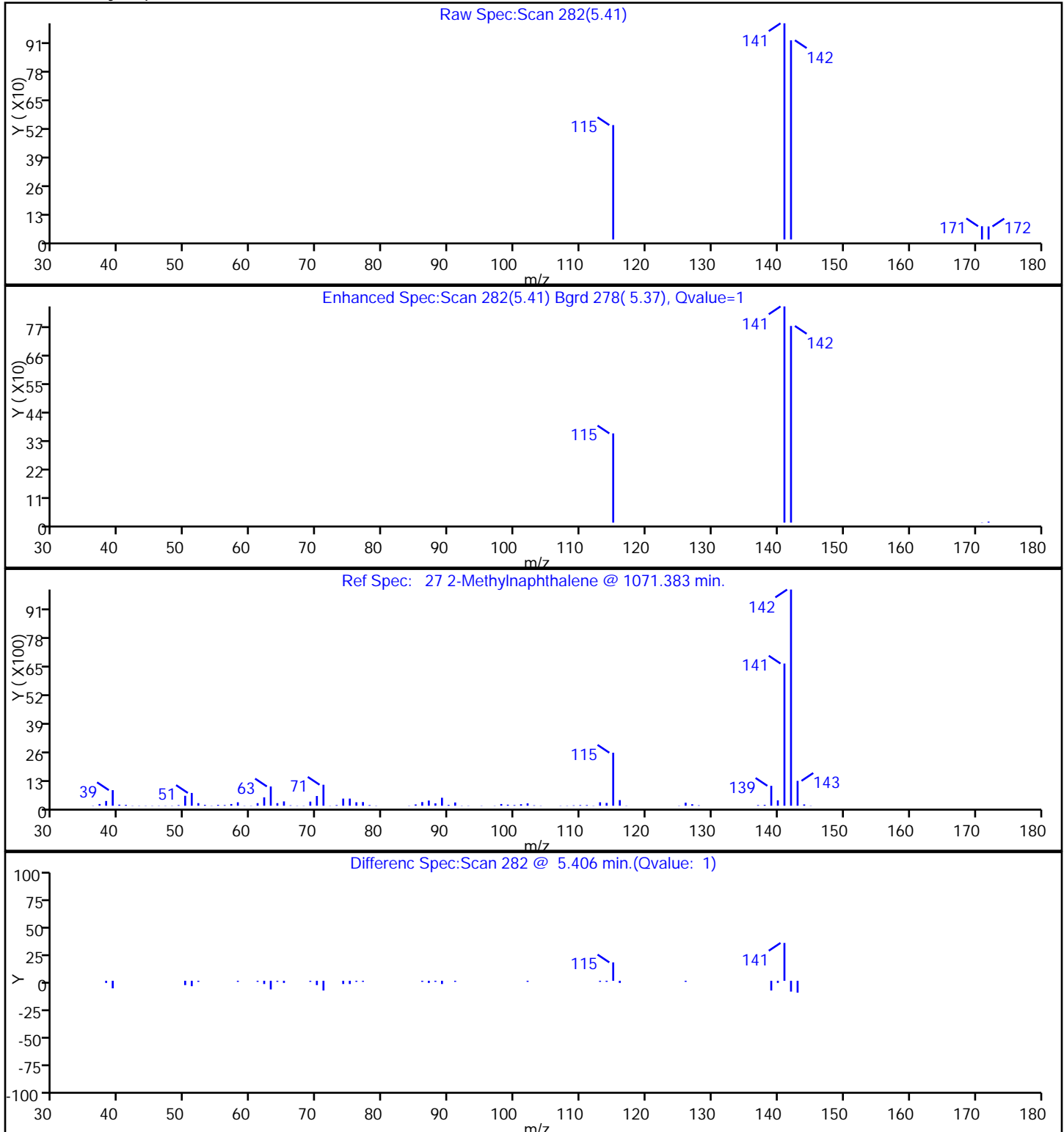
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



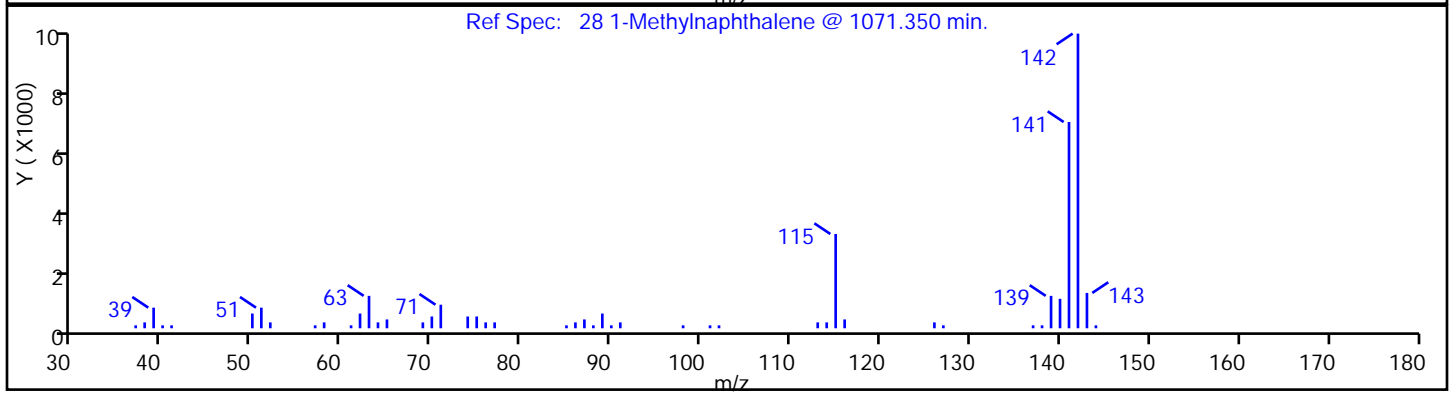
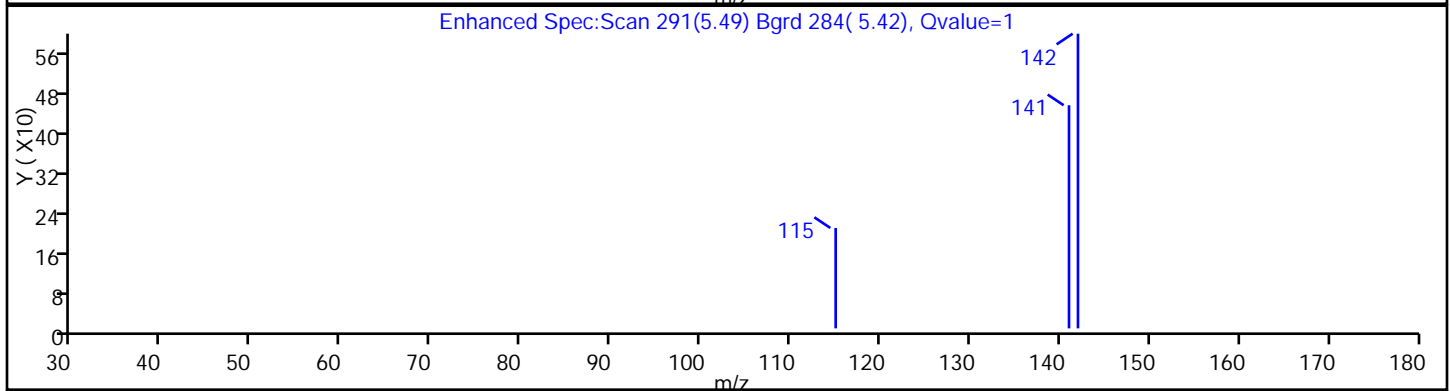
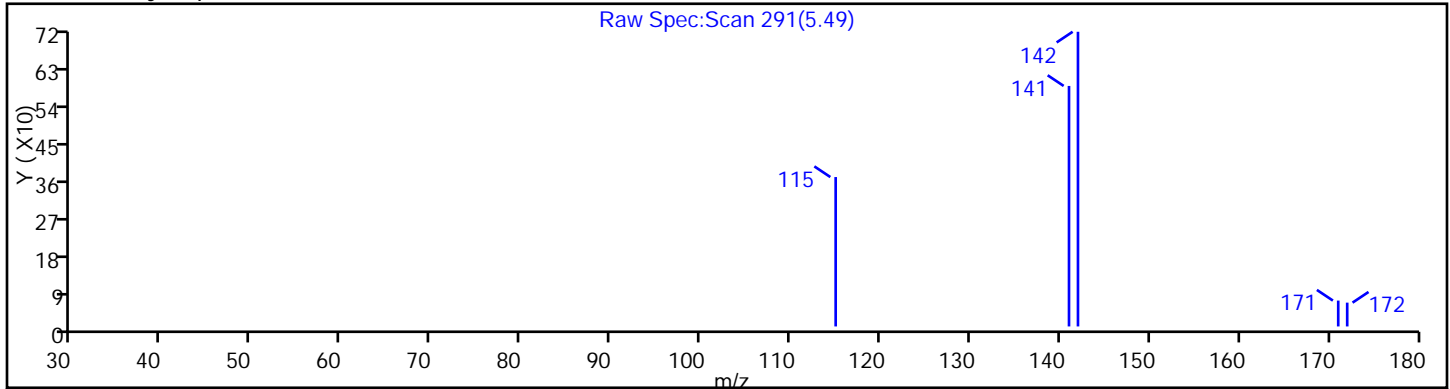
26 Naphthalene



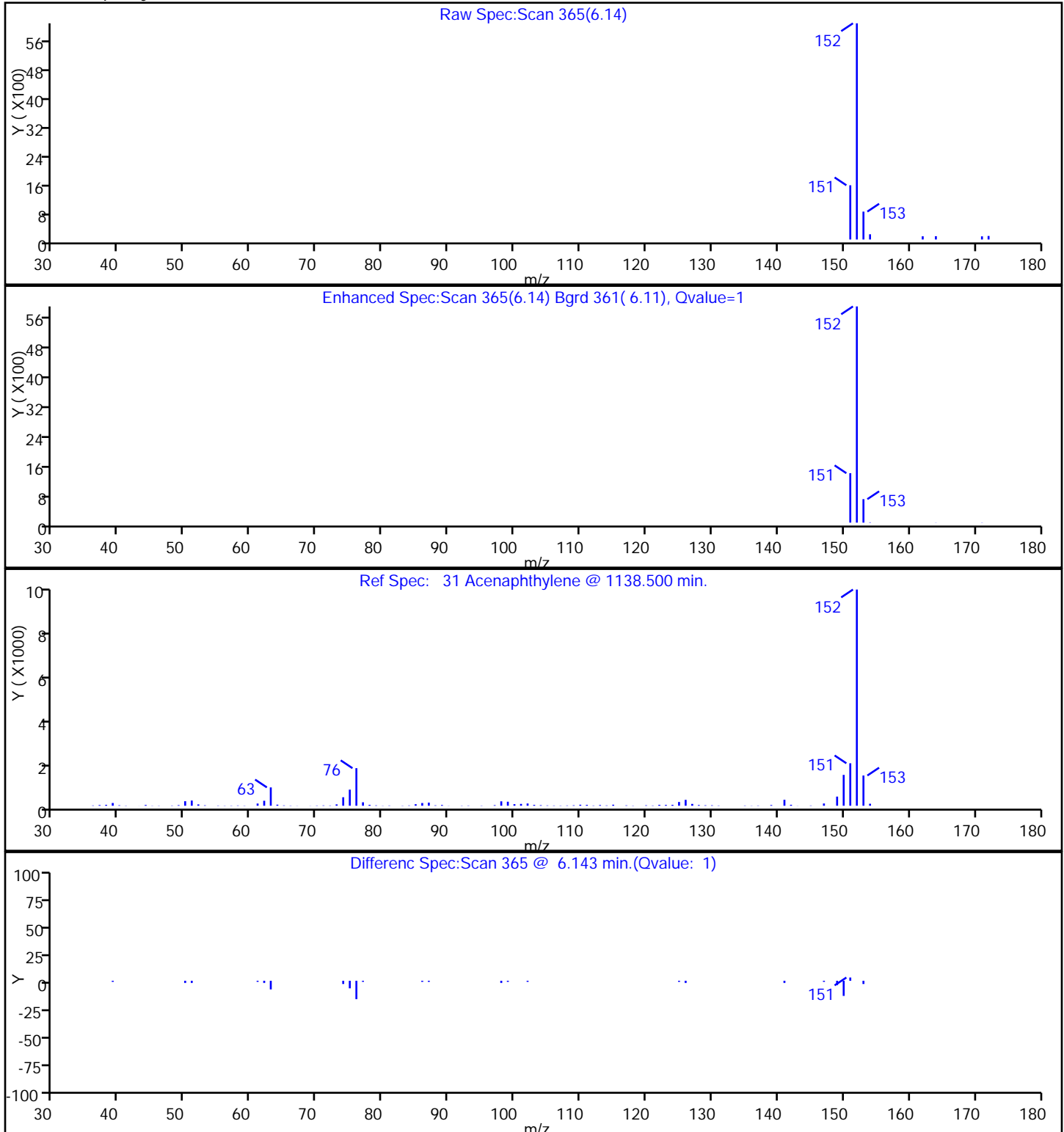
27 2-Methylnaphthalene



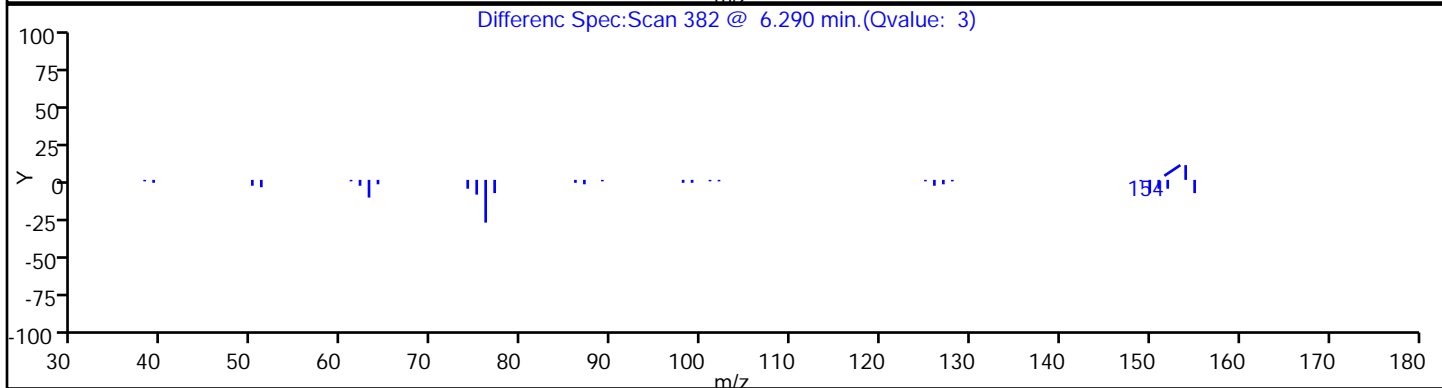
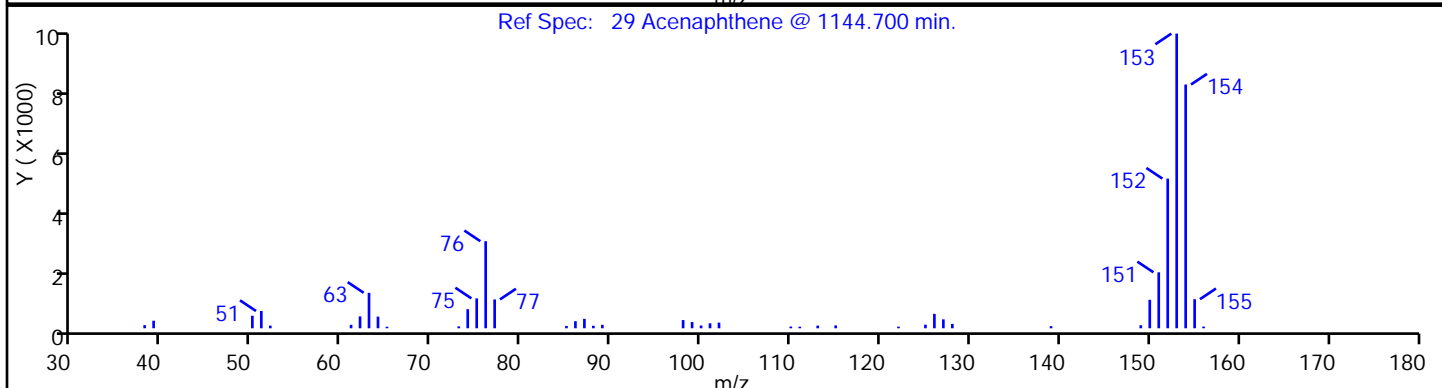
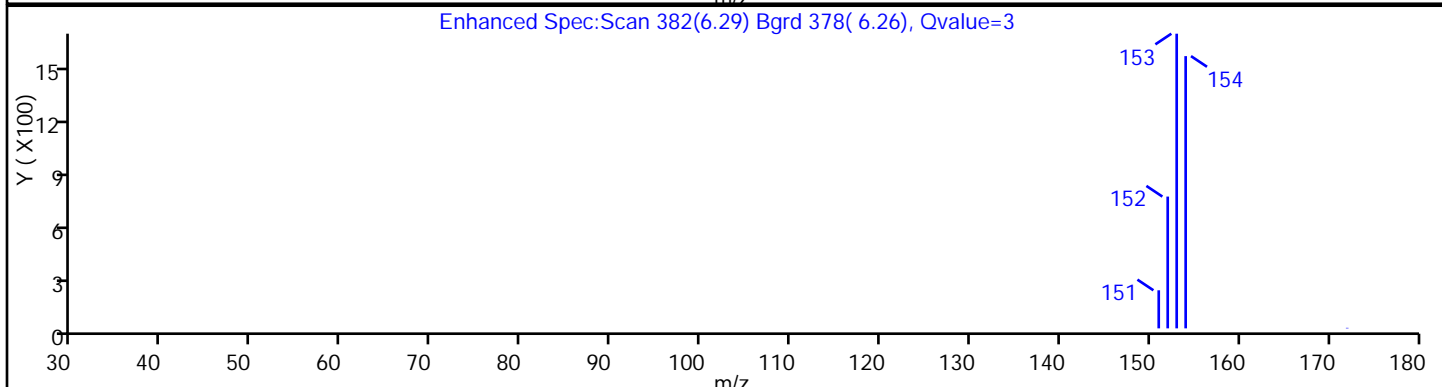
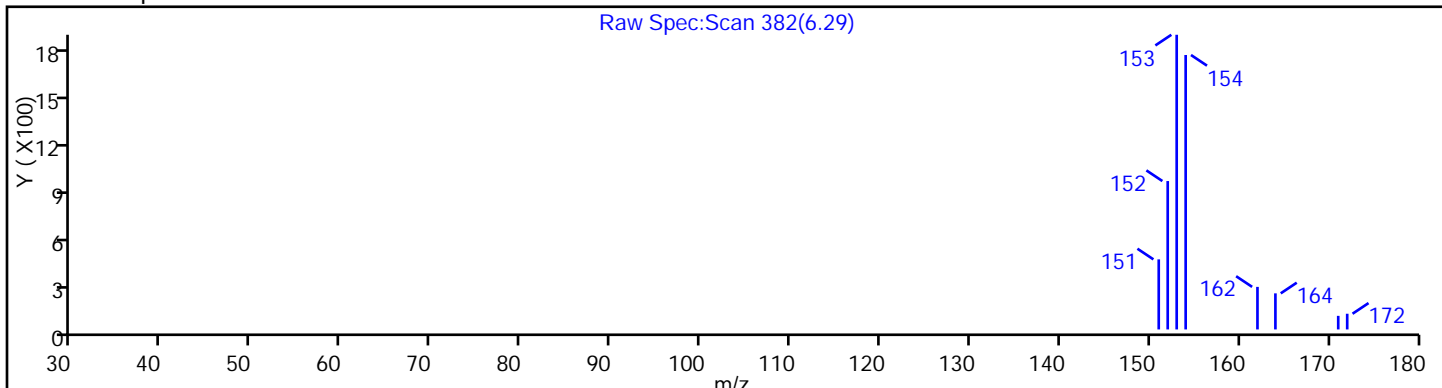
28 1-Methylnaphthalene



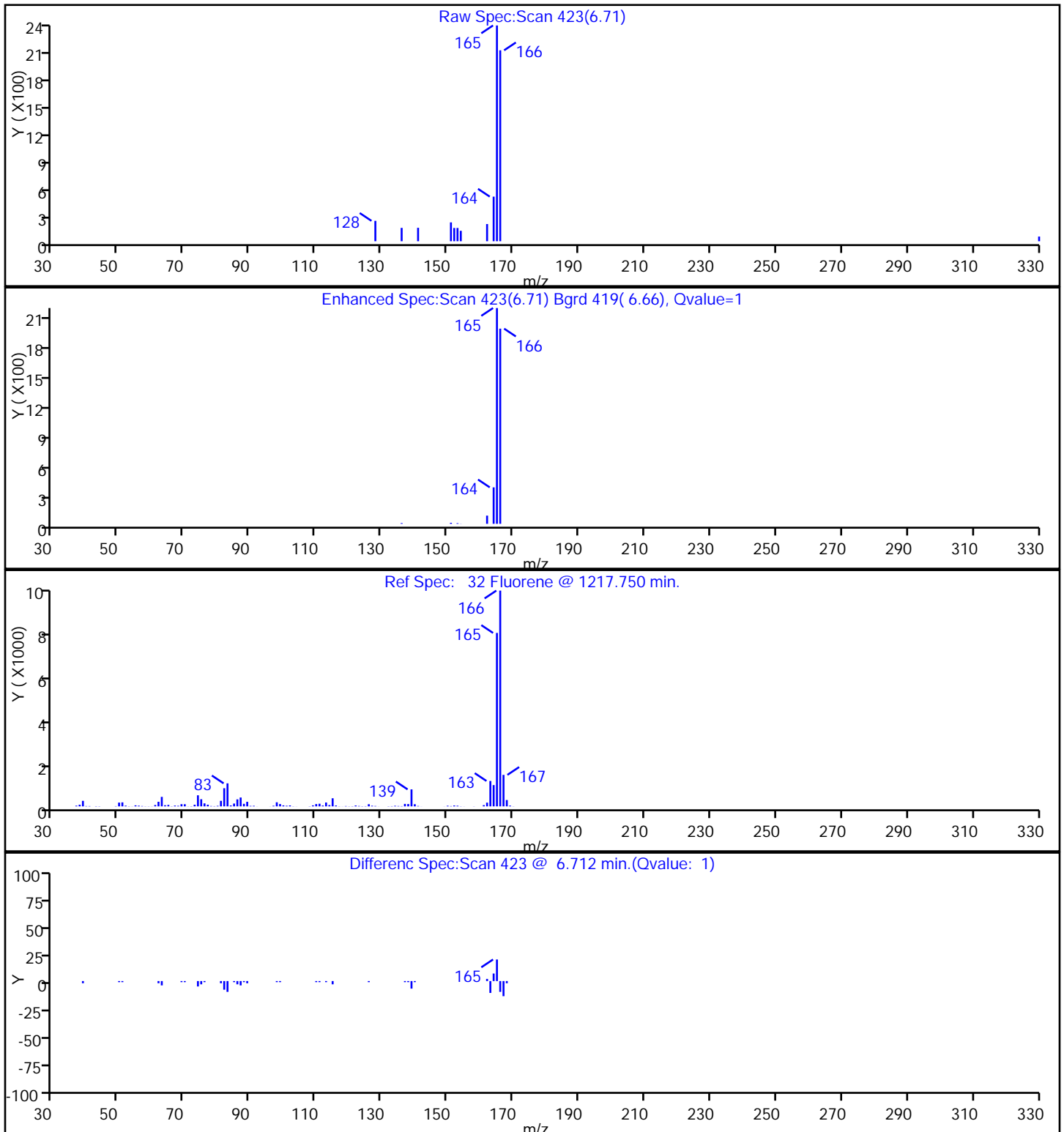
31 Acenaphthylene



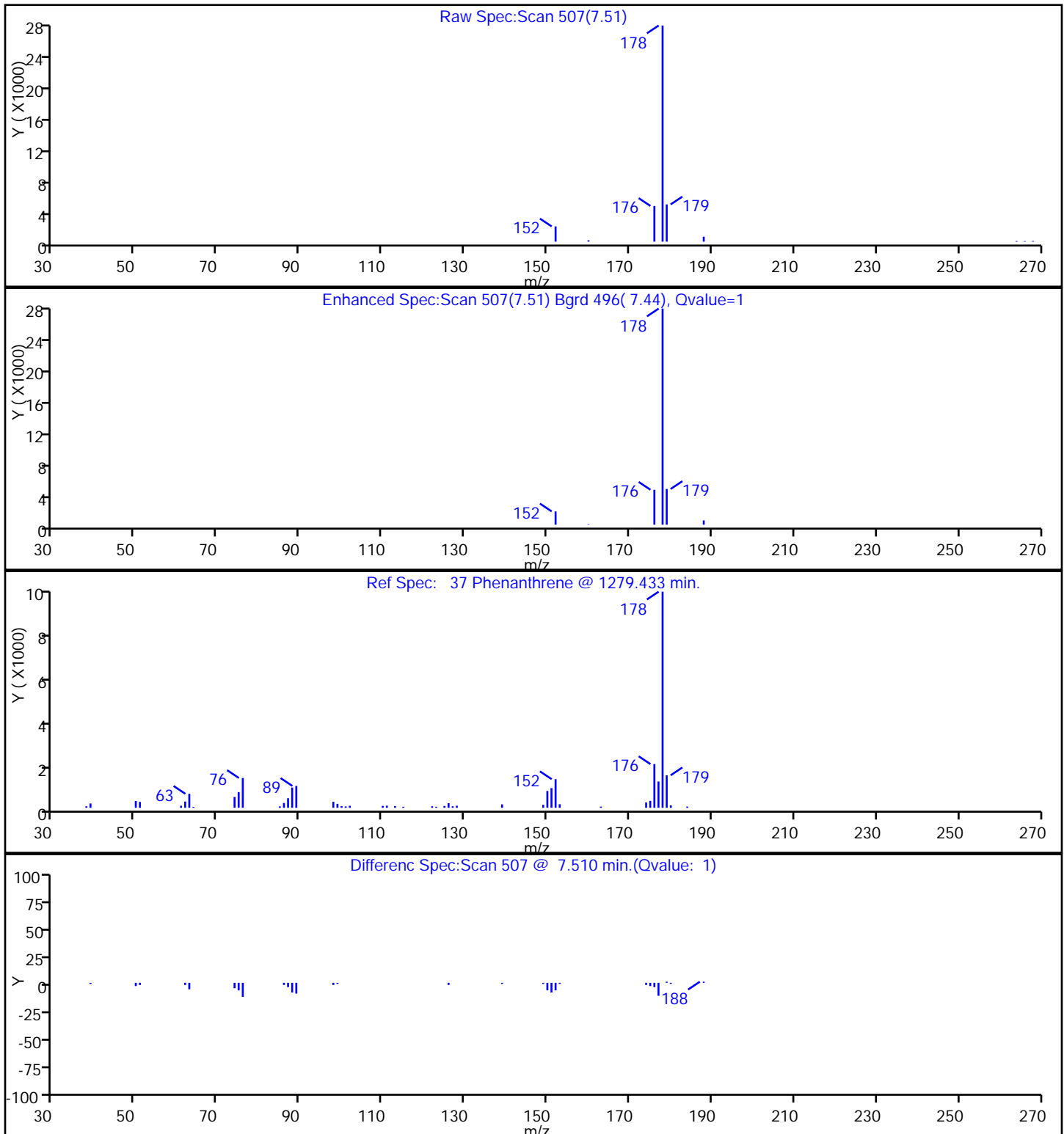
29 Acenaphthene



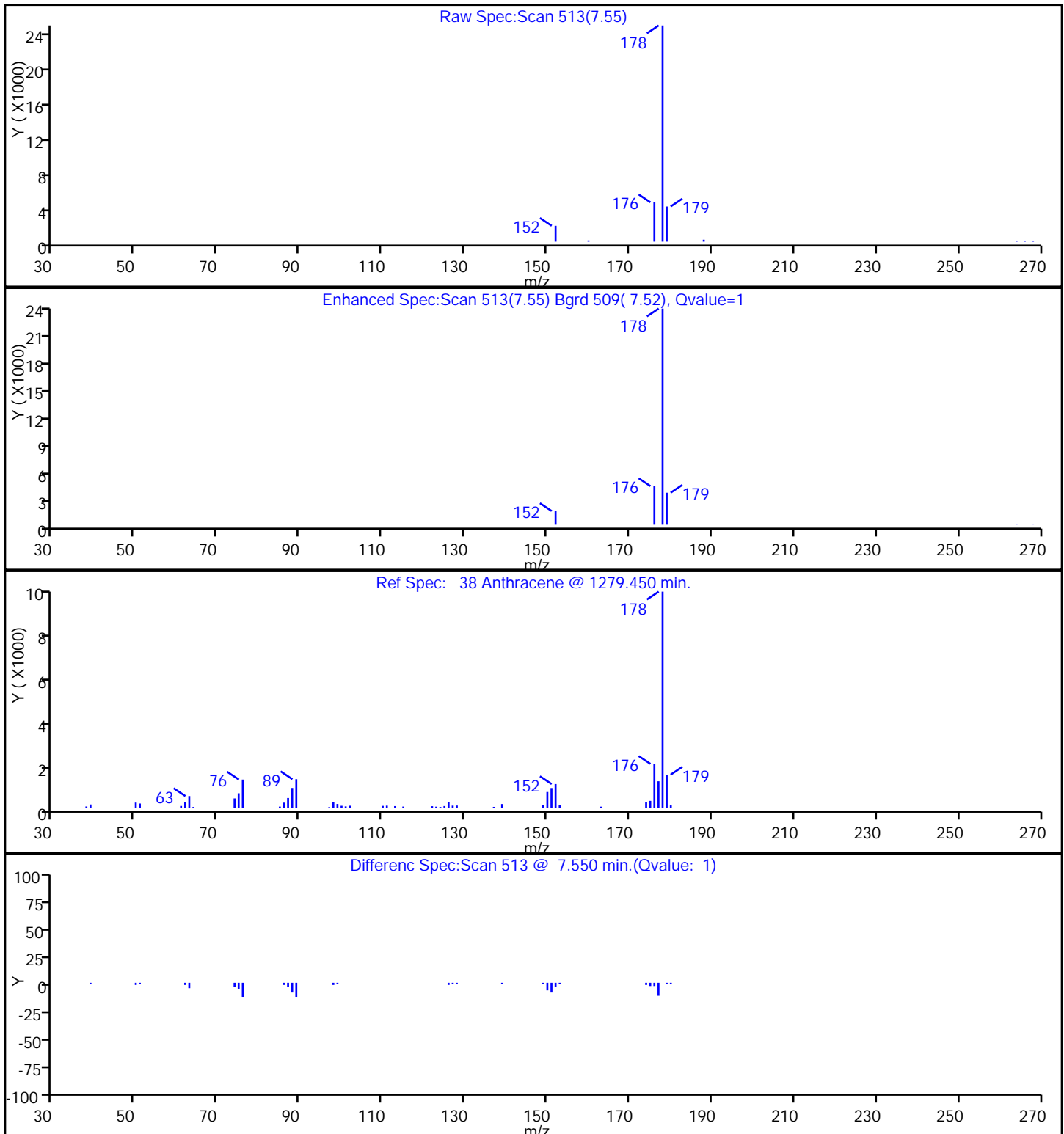
32 Fluorene



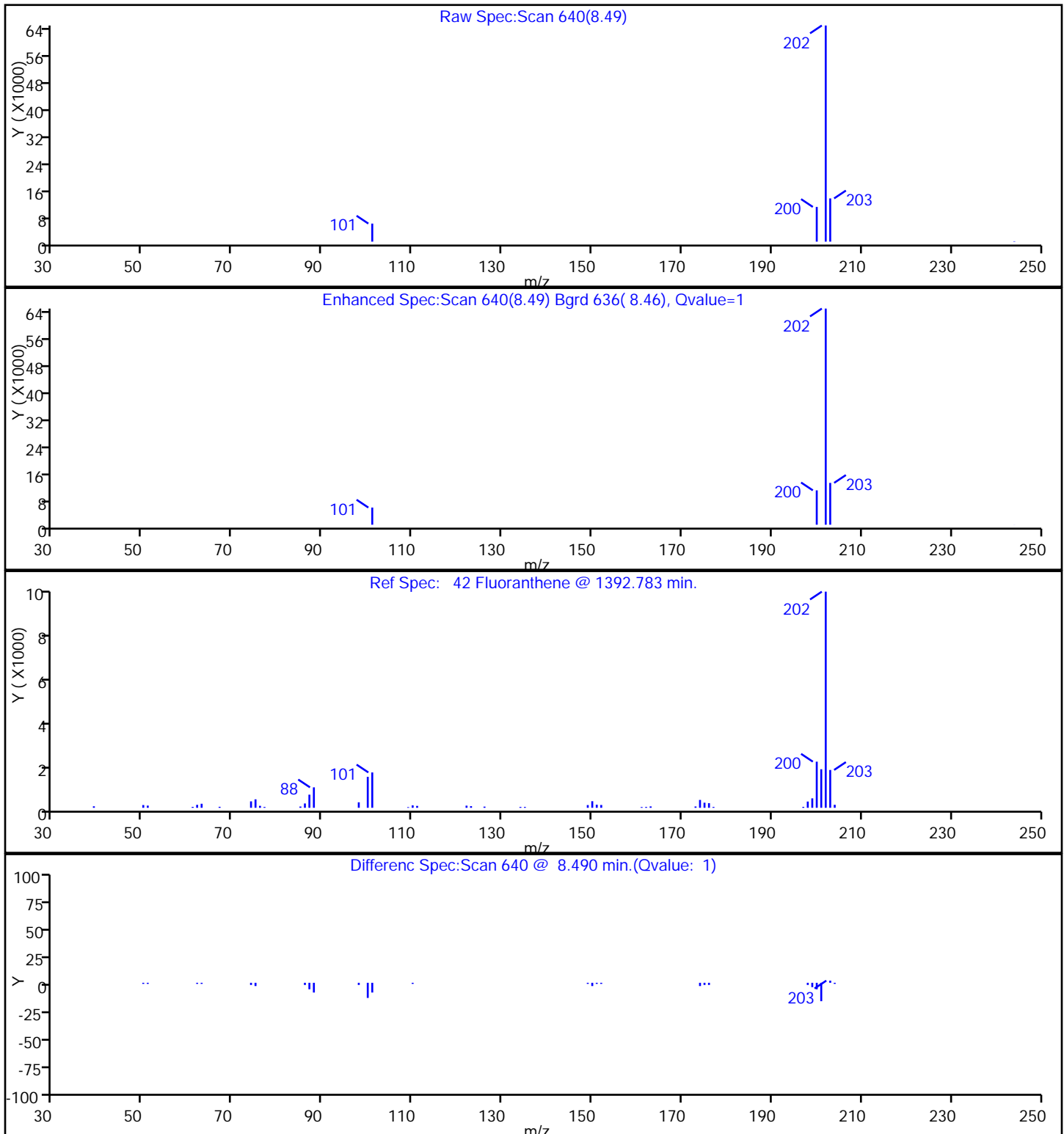
37 Phenanthrene



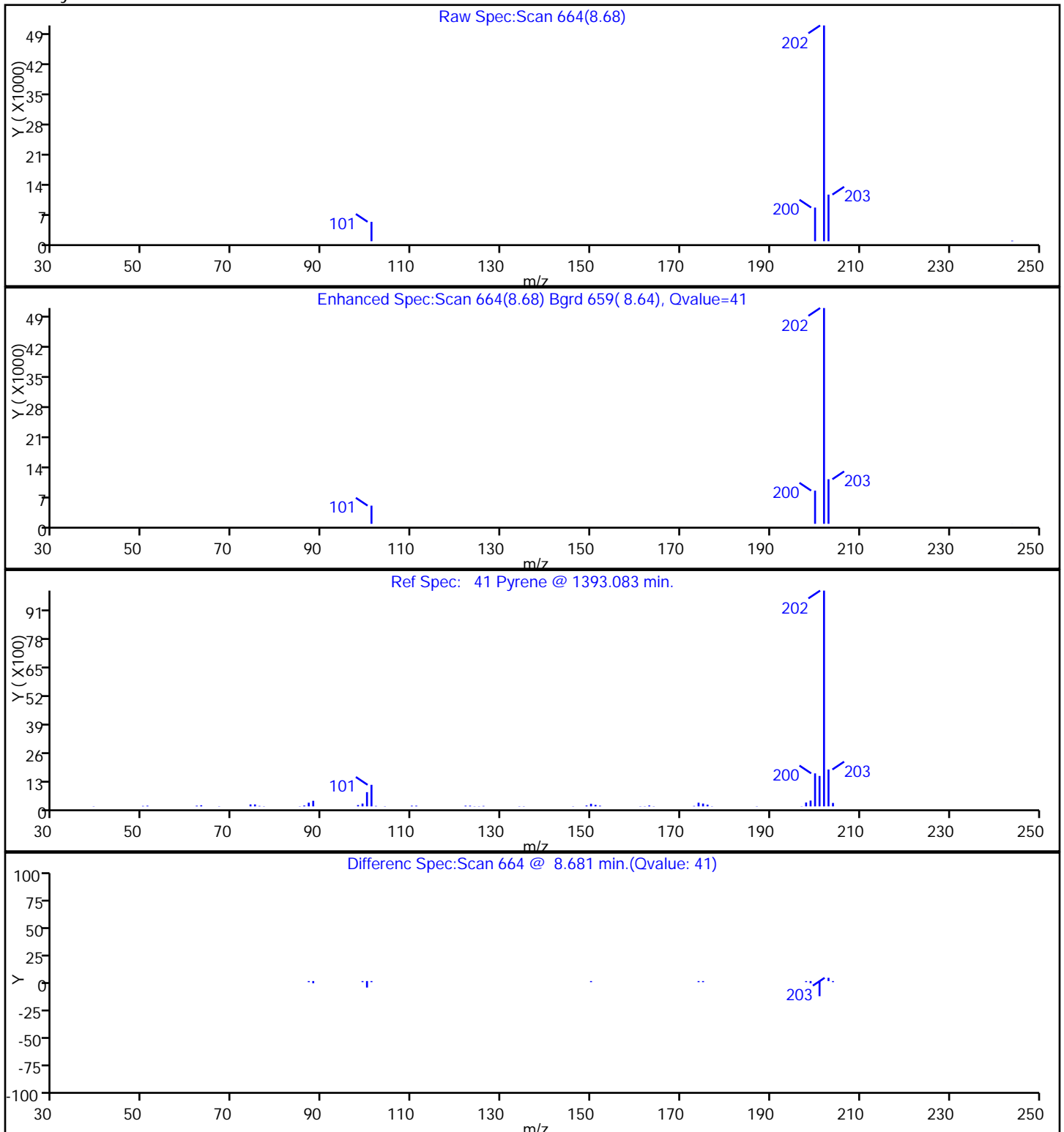
38 Anthracene



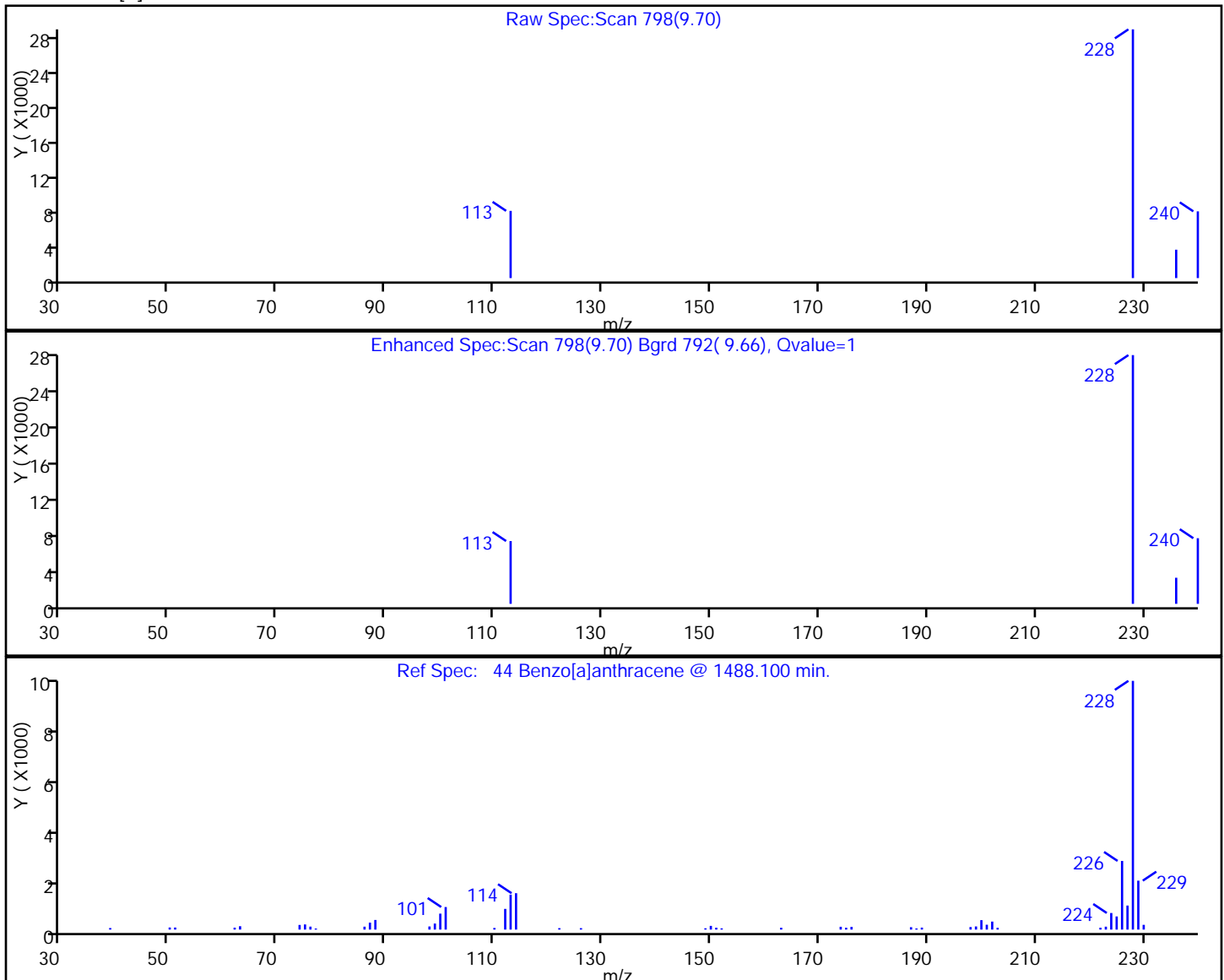
42 Fluoranthene



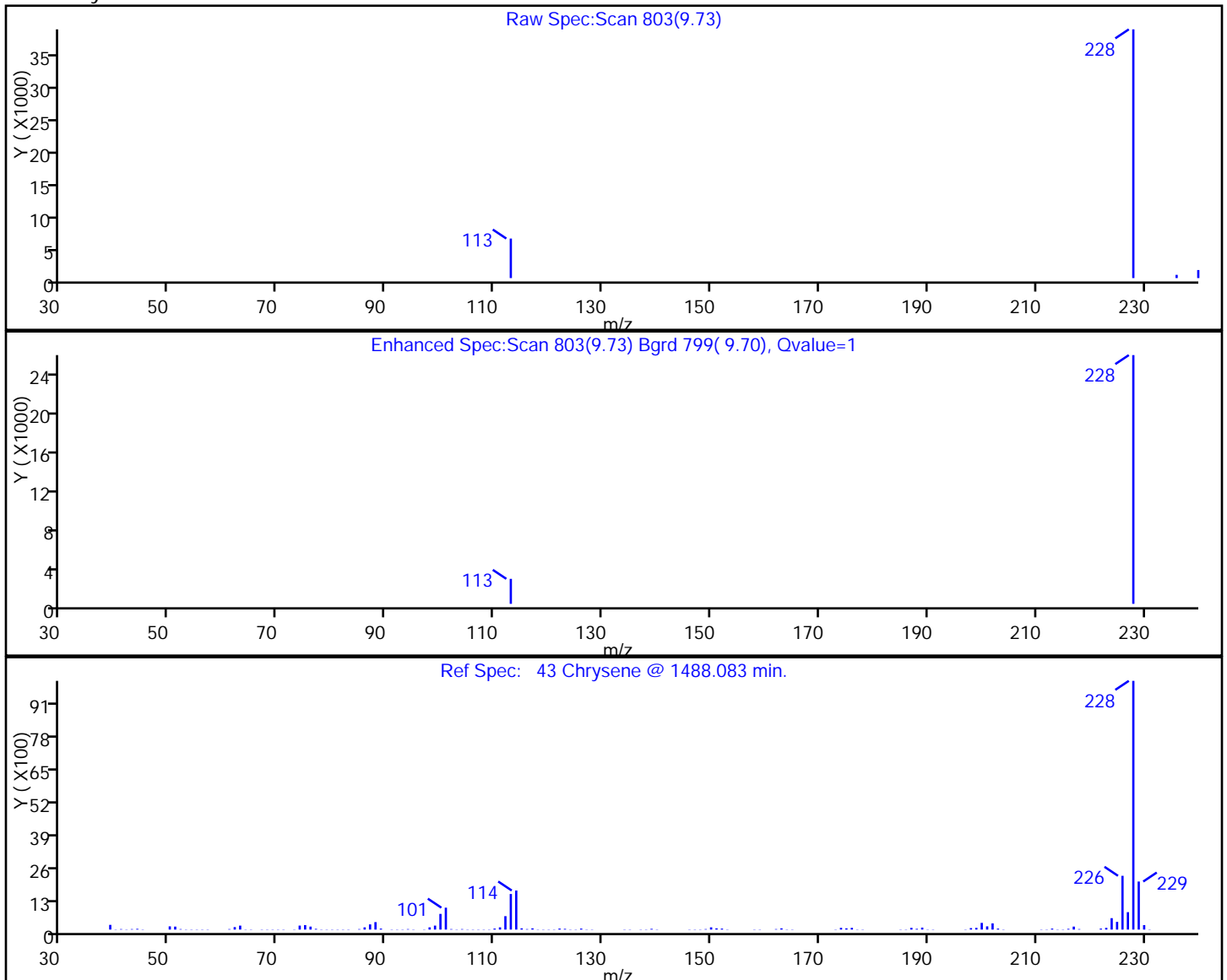
41 Pyrene



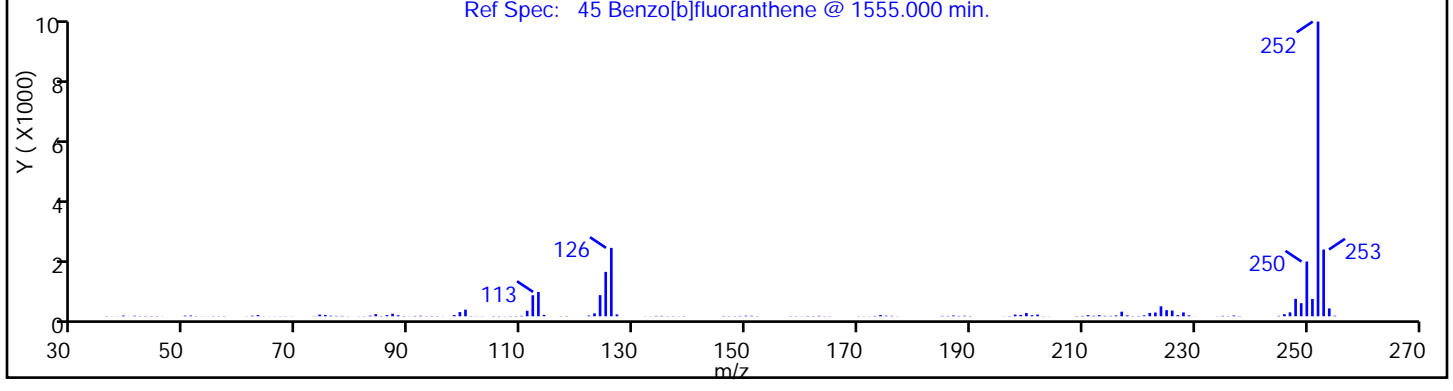
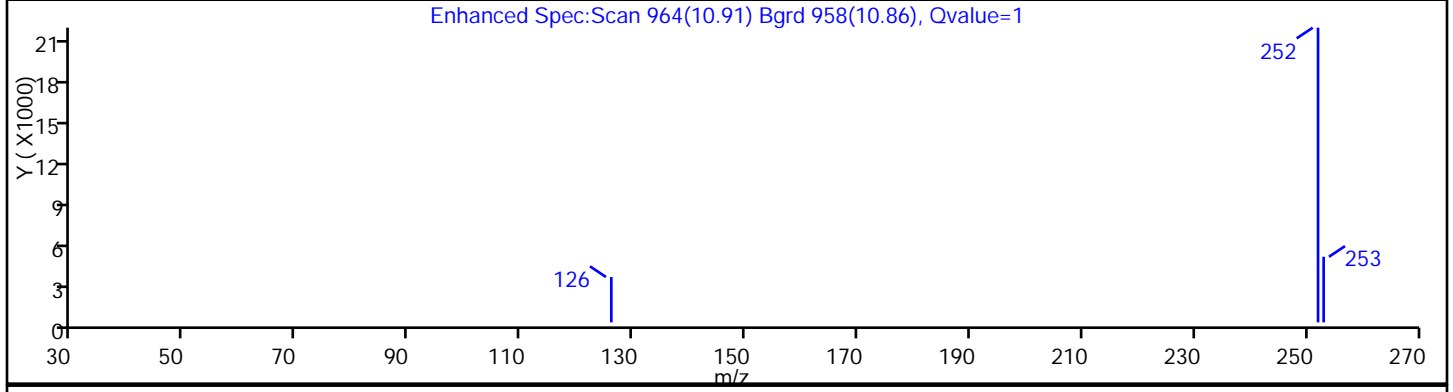
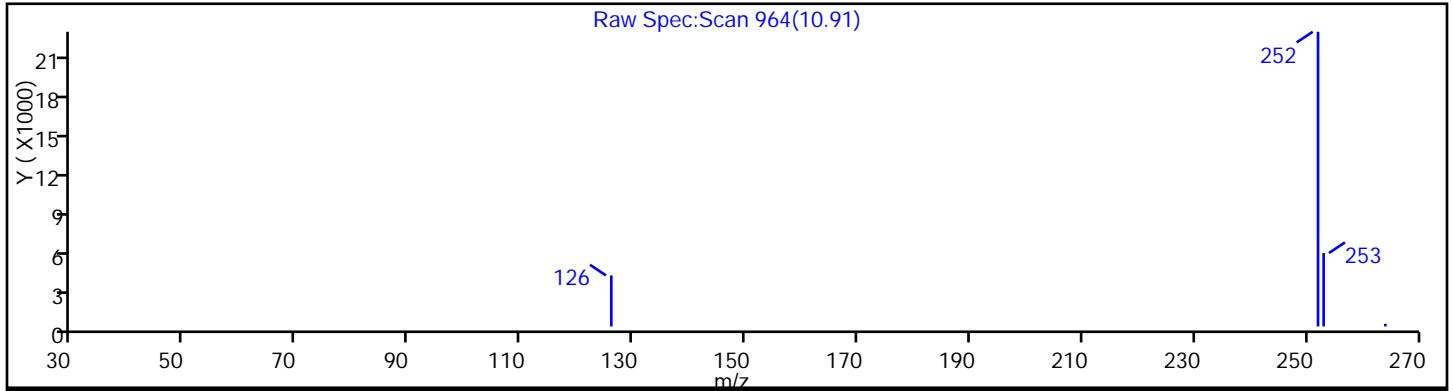
44 Benzo[a]anthracene



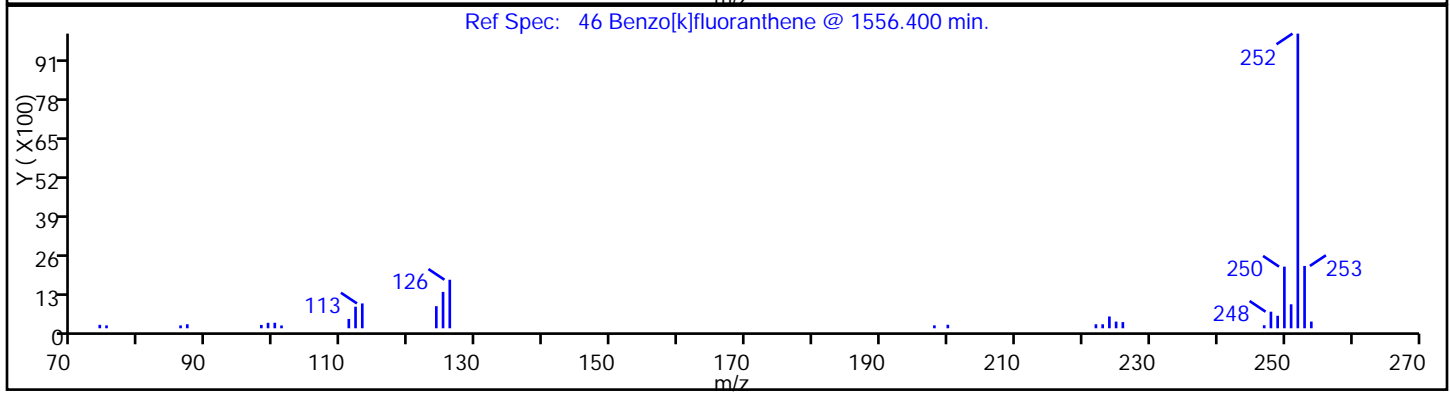
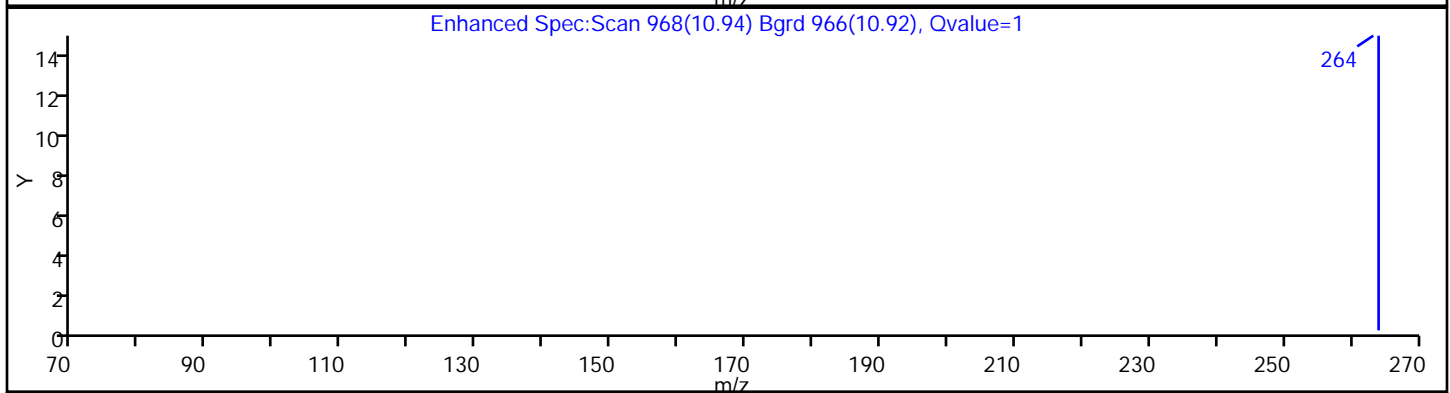
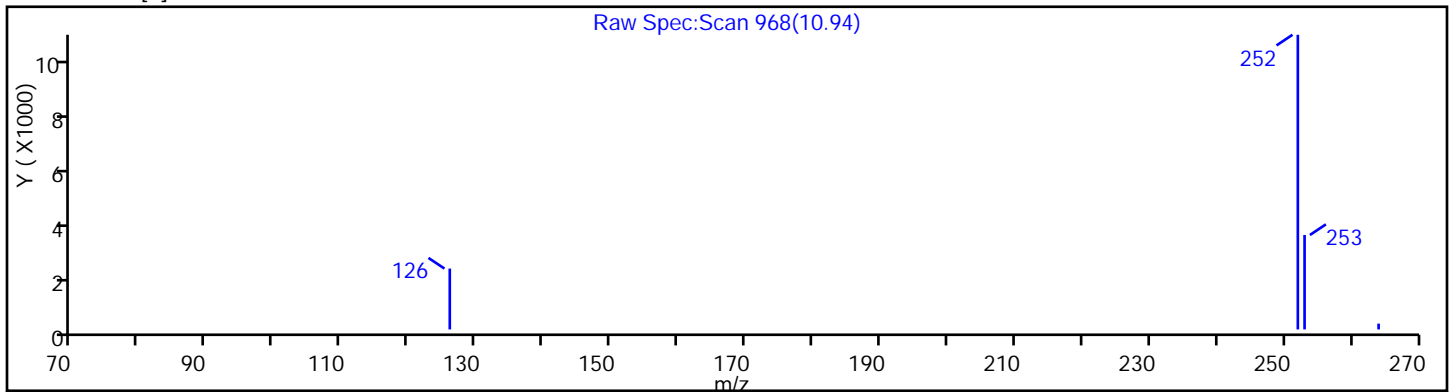
43 Chrysene



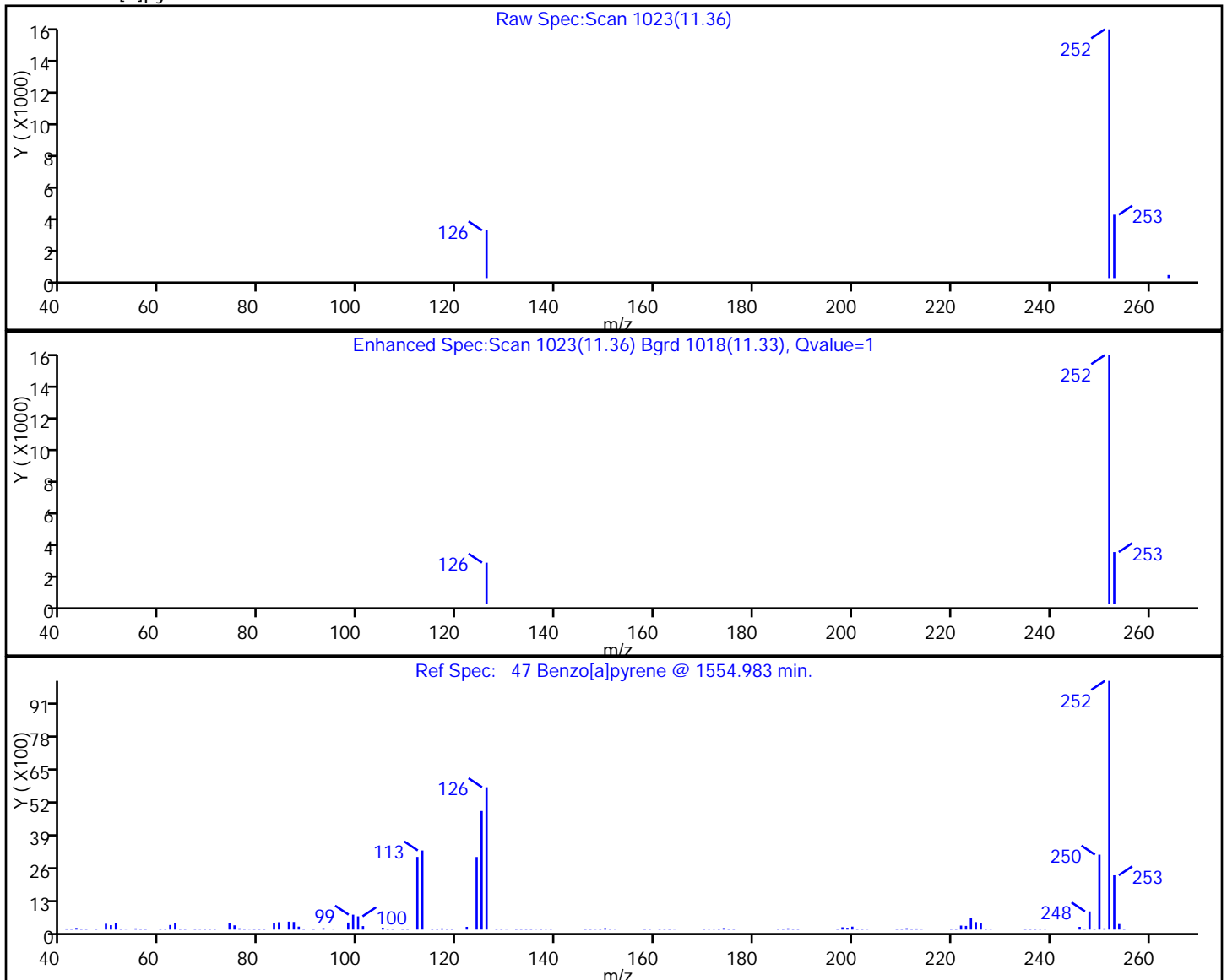
45 Benzo[b]fluoranthene



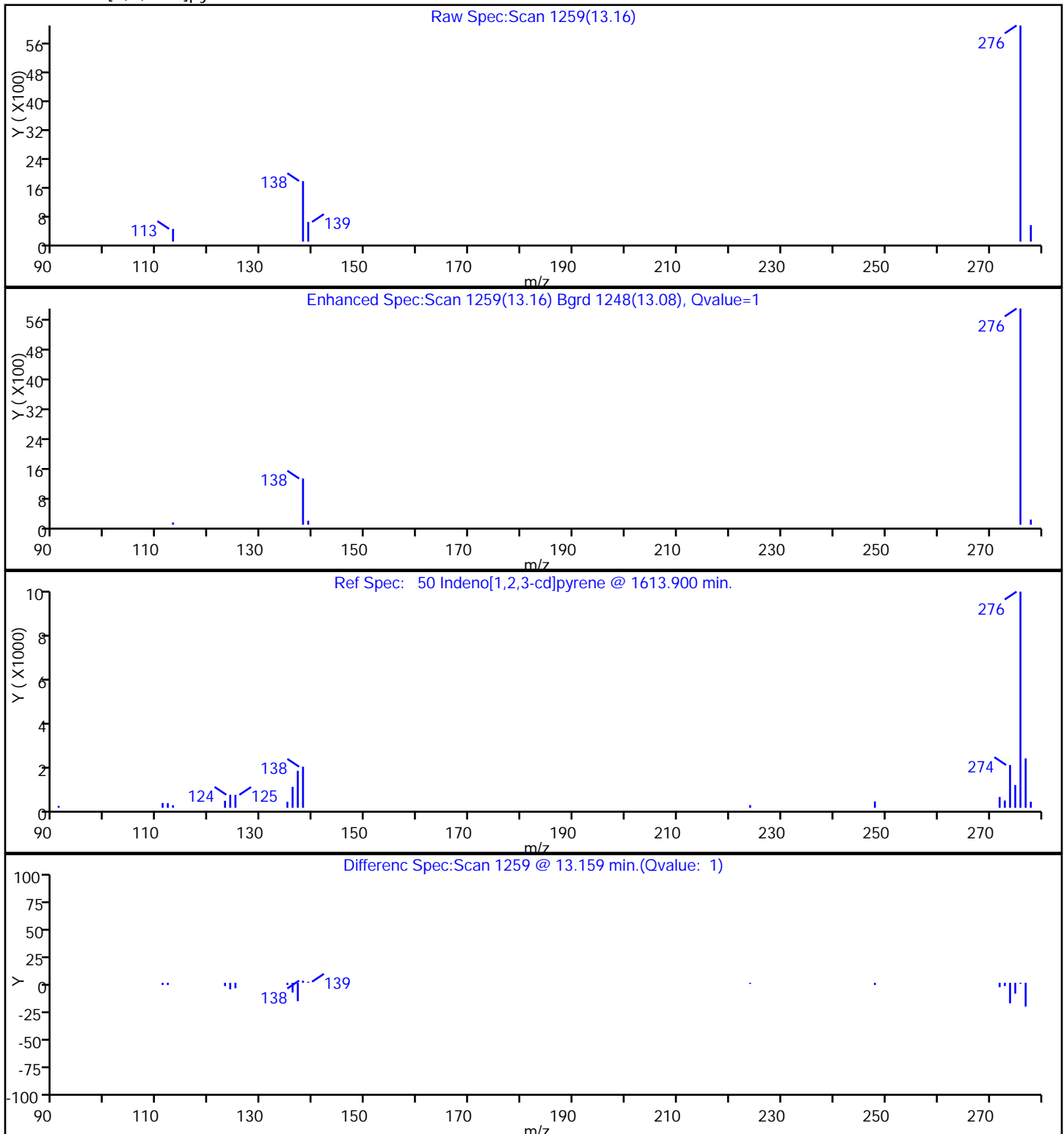
46 Benzo[k]fluoranthene



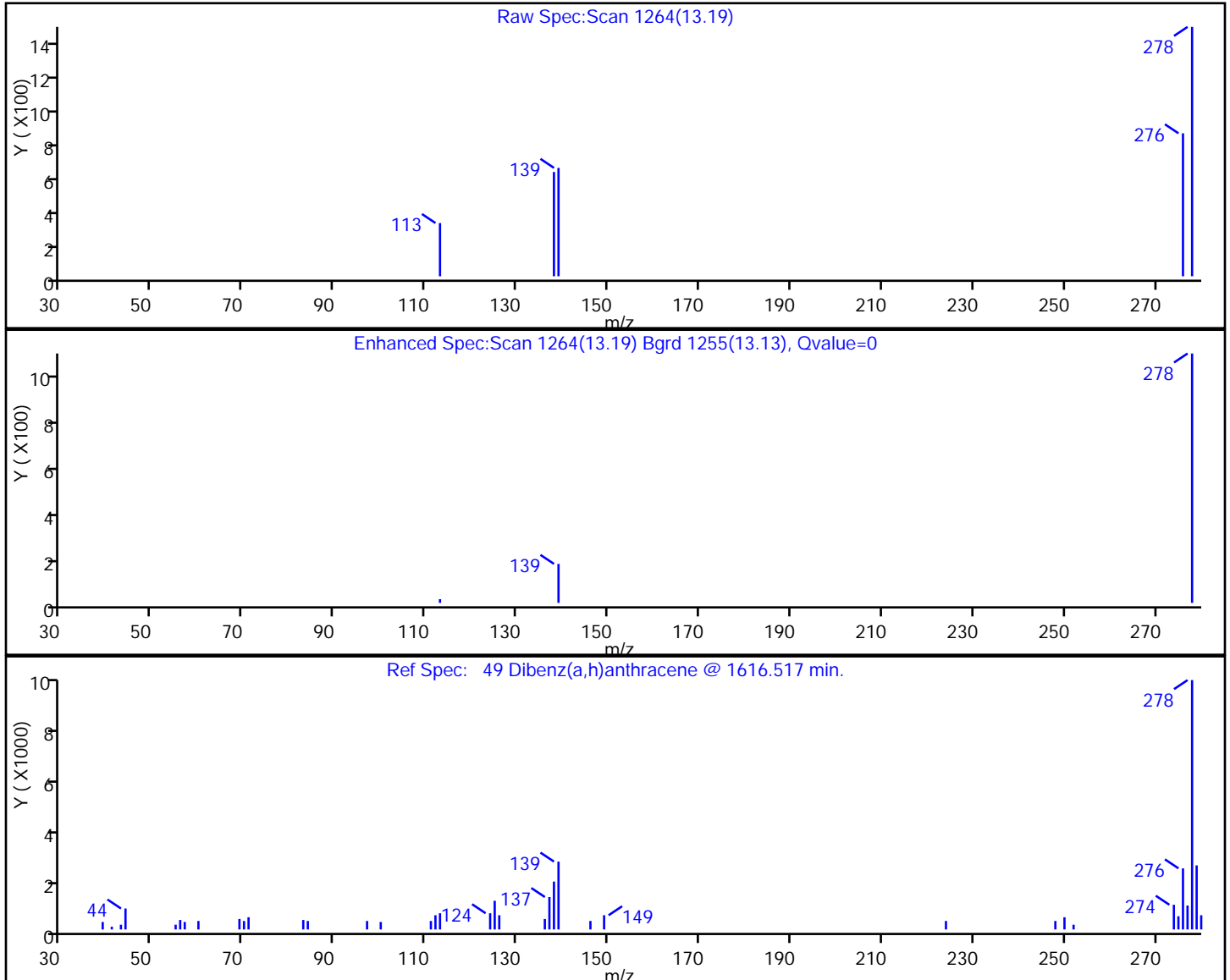
47 Benzo[a]pyrene



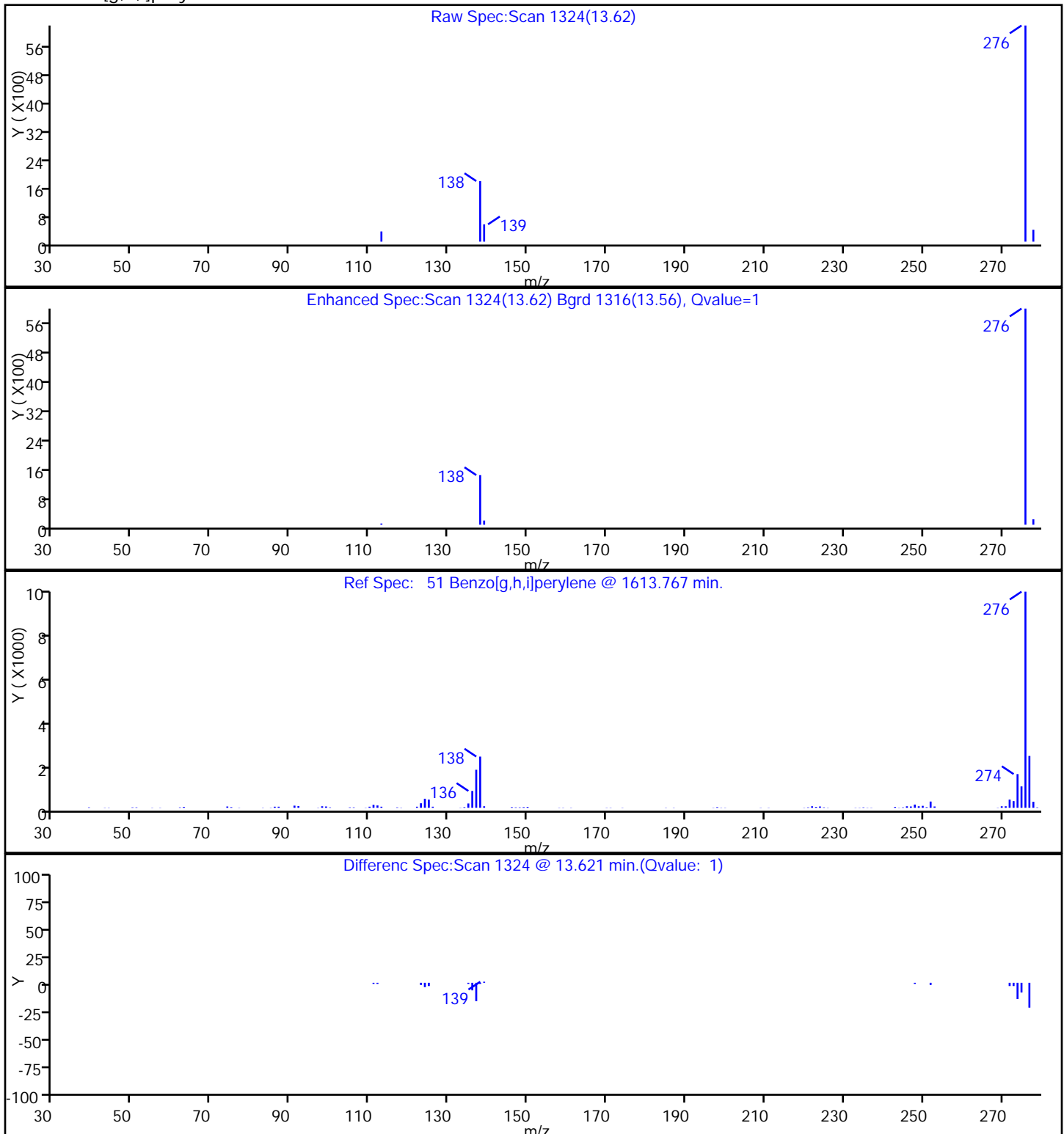
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

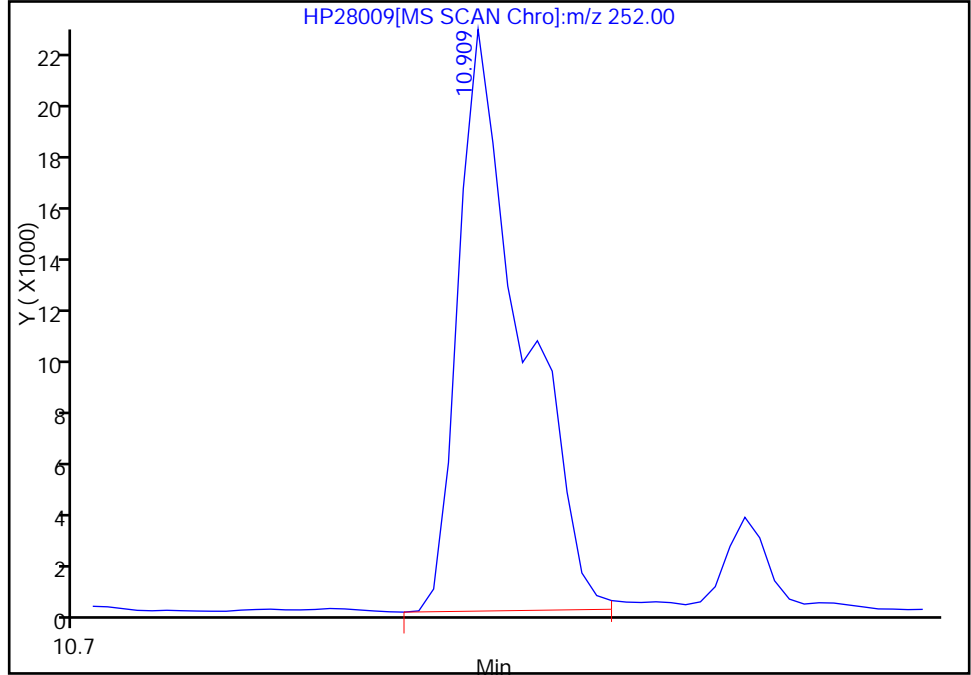


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D
Injection Date: 25-May-2012 12:56:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA08-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

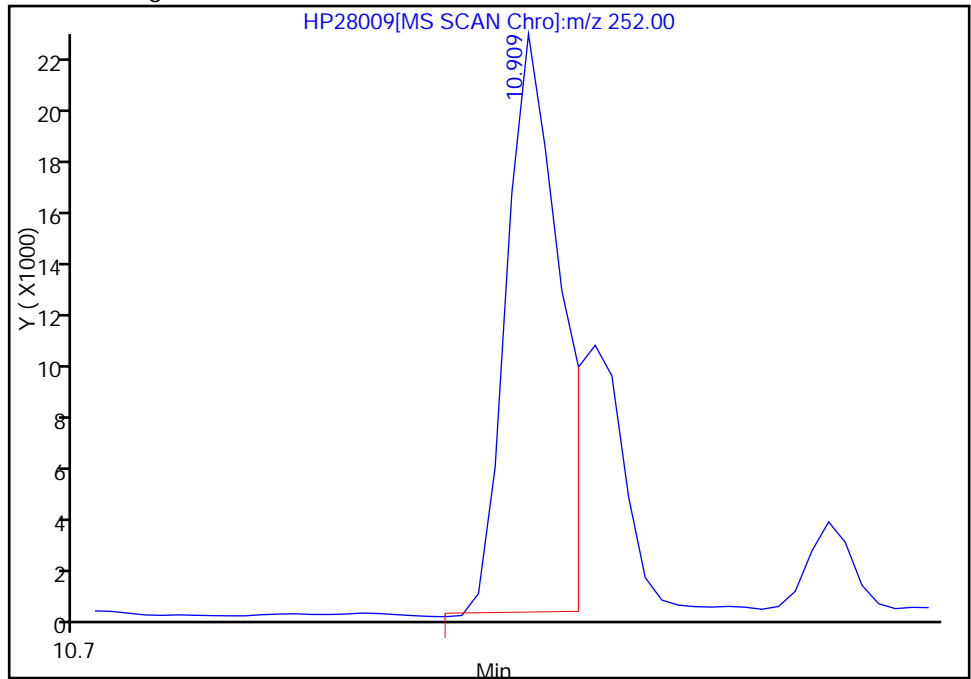
RT: 10.91
Response: 50169
Amount: 87.308766

Processing Integration Results



RT: 10.91
Response: 35724
Amount: 62.170231

Manual Integration Results



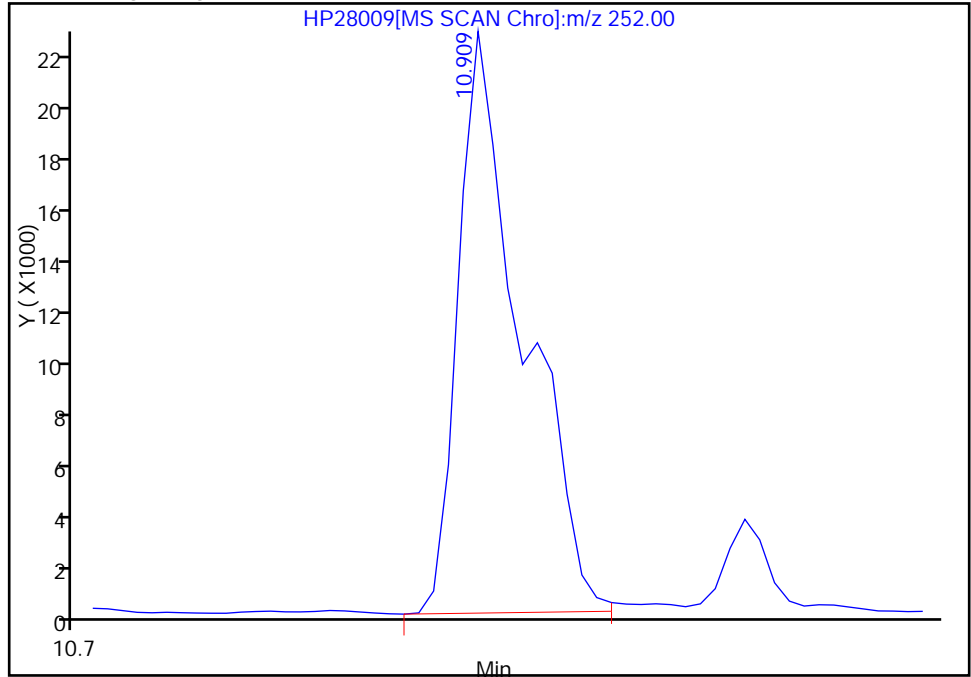
Reviewer: tadesseb, 25-May-2012 16:17:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D
Injection Date: 25-May-2012 12:56:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA08-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

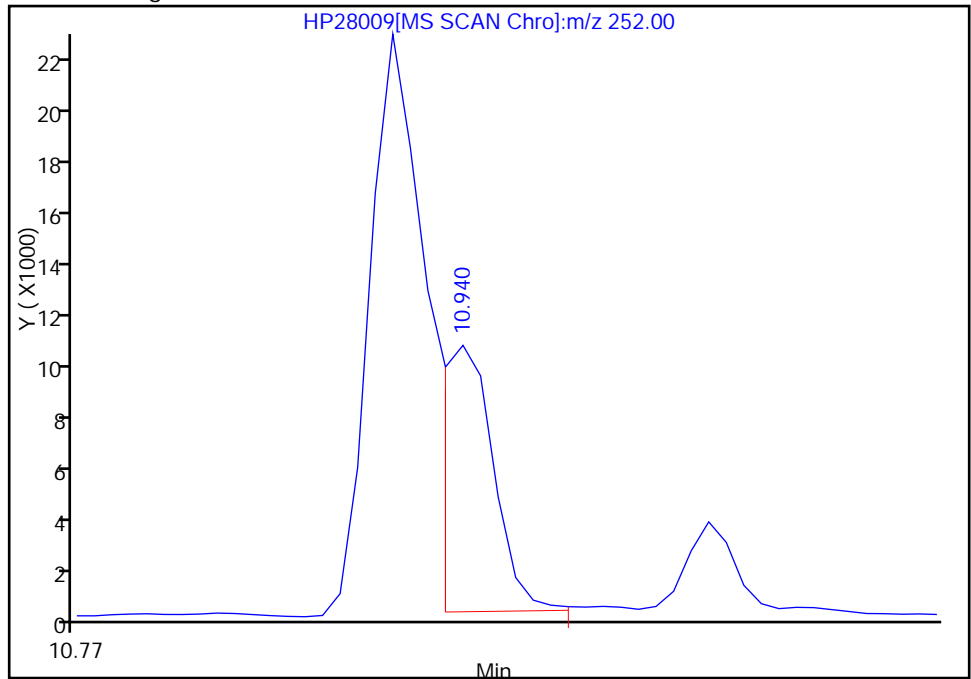
RT: 10.91
Response: 50169
Amount: 86.203829

Processing Integration Results



RT: 10.94
Response: 13691
Amount: 23.524819

Manual Integration Results



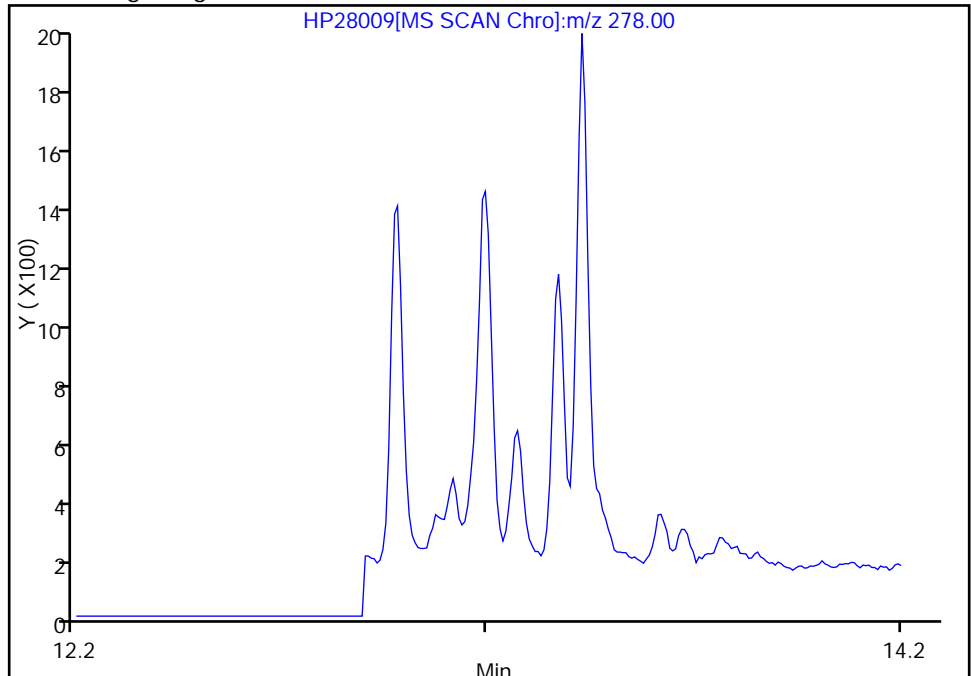
Reviewer: tadesseb, 25-May-2012 16:17:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28009.D
Injection Date: 25-May-2012 12:56:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA08-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

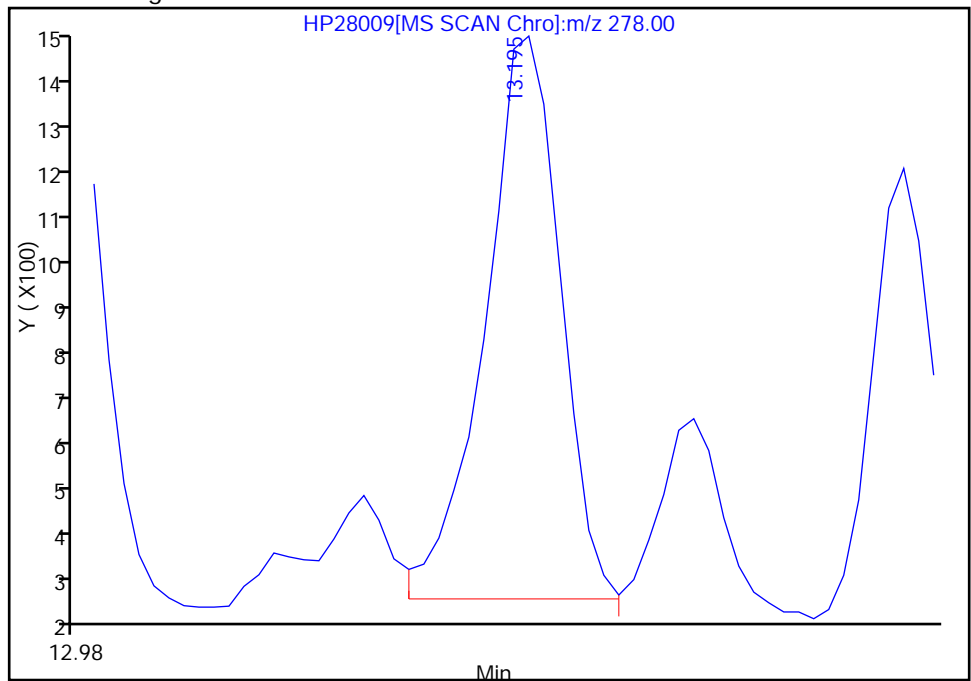
Not Detected
Expected RT: 13.20

Processing Integration Results



Manual Integration Results

RT: 13.19
Response: 2868
Amount: 5.858964



Reviewer: tadesseb, 25-May-2012 16:17:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-EA10-COMP-120507 Lab Sample ID: 580-32803-21
 Matrix: Solid Lab File ID: HP28010.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 16:14
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.6582(g) Date Analyzed: 05/25/2012 13:17
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 37.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.77	0.31
91-57-6	2-Methylnaphthalene	0.40	J	0.77	0.31
90-12-0	1-Methylnaphthalene	0.38	J	0.77	0.23
208-96-8	Acenaphthylene	1.9		0.77	0.23
83-32-9	Acenaphthene	1.8		0.77	0.23
86-73-7	Fluorene	2.0		0.77	0.23
85-01-8	Phenanthrene	13		0.77	0.23
120-12-7	Anthracene	7.4		0.77	0.23
206-44-0	Fluoranthene	23		0.77	0.23
129-00-0	Pyrene	23		0.77	0.23
56-55-3	Benzo[a]anthracene	11		0.77	0.23
218-01-9	Chrysene	20		0.77	0.23
205-99-2	Benzo[b]fluoranthene	15		0.77	0.23
207-08-9	Benzo[k]fluoranthene	7.0		0.77	0.23
50-32-8	Benzo[a]pyrene	11		0.77	0.23
193-39-5	Indeno[1,2,3-cd]pyrene	7.3		0.77	0.23
53-70-3	Dibenz(a,h)anthracene	1.7		0.77	0.23
191-24-2	Benzo[g,h,i]perylene	6.1		0.77	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	75		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D
 Lims ID: 580-32803-E-21-A Client ID: JW-EA10-COMP-120507
 Inject. Date: 25-May-2012 13:17:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-e-21-a
 Misc. Info.: 580-0023449-007 =580-0023449-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 112072 Lims Sample ID: 7
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:18:39

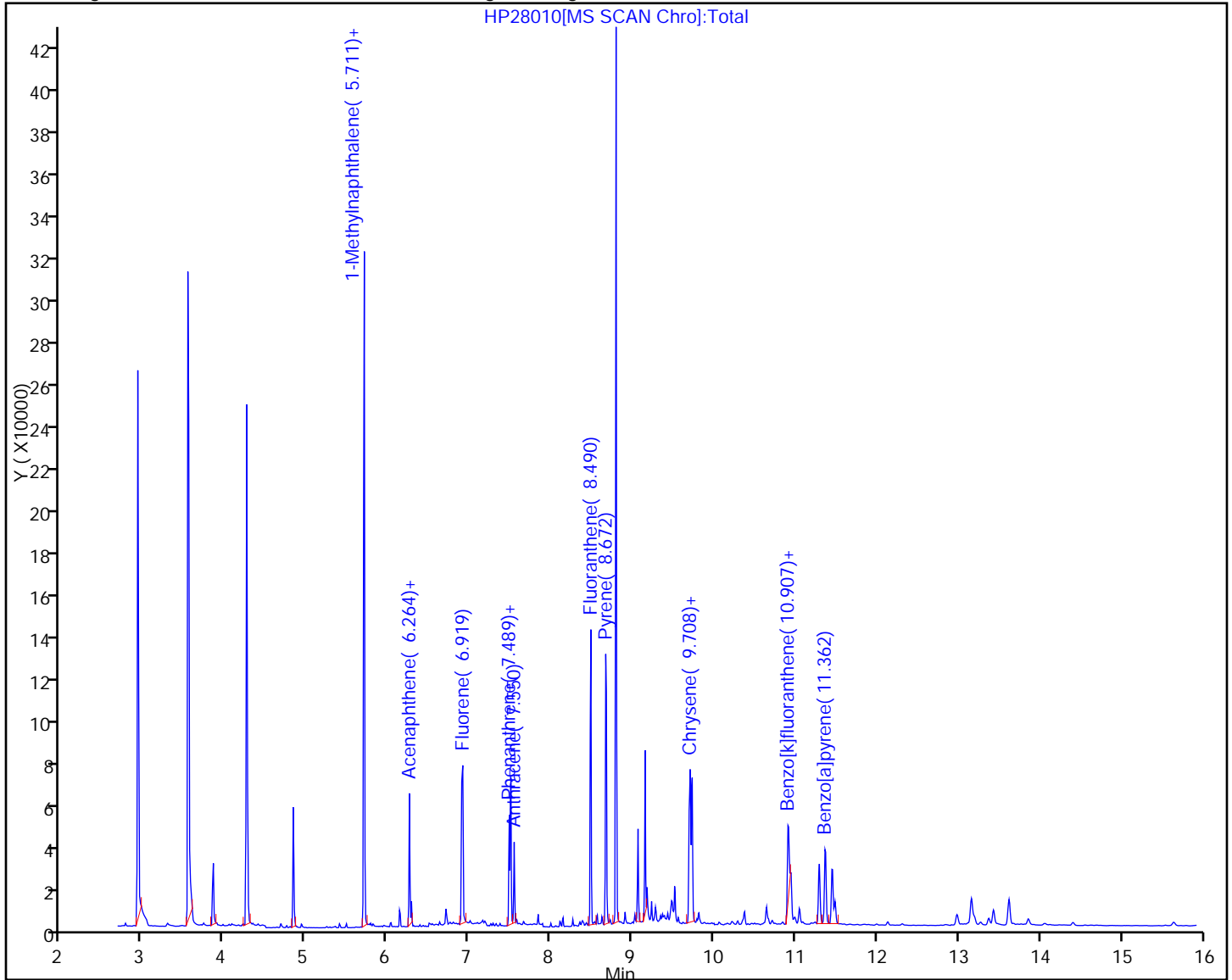
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17075	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46116	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25628	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	40245	98.0	
* 5 Chrysene-d12	240	9.708	9.709	-0.001	1	49165	98.1	
* 6 Perylene-d12	264	11.446	11.448	-0.002	1	43237	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	122884	809.1	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	206398	534.4	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	326839	750.4	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	791	2.62	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	753	2.48	
31 Acenaphthylene	152	6.143	6.143	0.0	1	5966	12.5	
29 Acenaphthene	153	6.290	6.289	0.001	2	3754	11.7	
32 Fluorene	166	6.712	6.712	0.0	1	4397	13.2	
37 Phenanthrene	178	7.509	7.510	-0.001	1	43757	86.8	
38 Anthracene	178	7.550	7.550	0.0	1	23766	47.8	
42 Fluoranthene	202	8.490	8.490	0.0	1	83816	151.3	
41 Pyrene	202	8.672	8.680	-0.008	39	84709	147.0	
44 Benzo[a]anthracene	228	9.695	9.697	-0.002	1	40018	72.5	
43 Chrysene	228	9.733	9.729	0.004	1	75471	131.7	
45 Benzo[b]fluoranthene	252	10.907	10.909	-0.002	1	58044	95.9	
46 Benzo[k]fluoranthene	252	10.946	10.948	-0.002	1	27839	45.4	
47 Benzo[a]pyrene	252	11.362	11.364	-0.002	1	40169	74.4	
50 Indeno[1,2,3-cd]pyrene	276	13.158	13.152	0.006	1	23088	47.2	
49 Dibenz(a,h)anthracene	278	13.193	13.202	-0.009	1	5672	11.0	M
51 Benzo[g,h,i]perylene	276	13.619	13.621	-0.002	1	21073	39.4	

QC Flag Legend

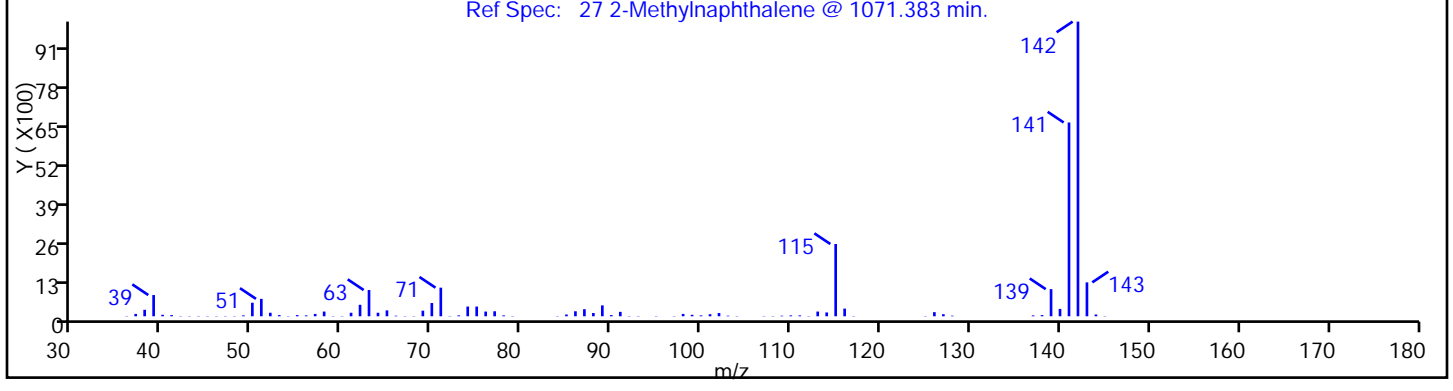
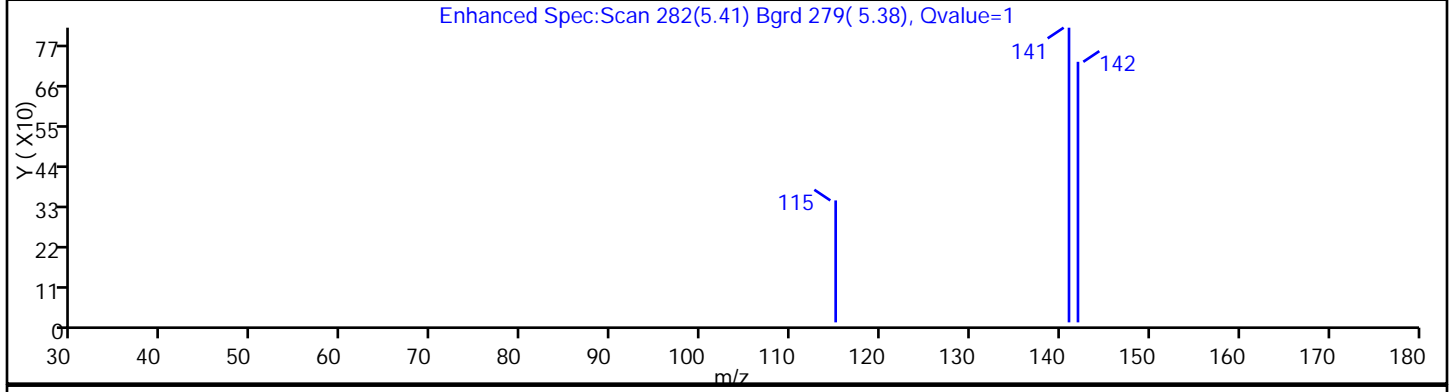
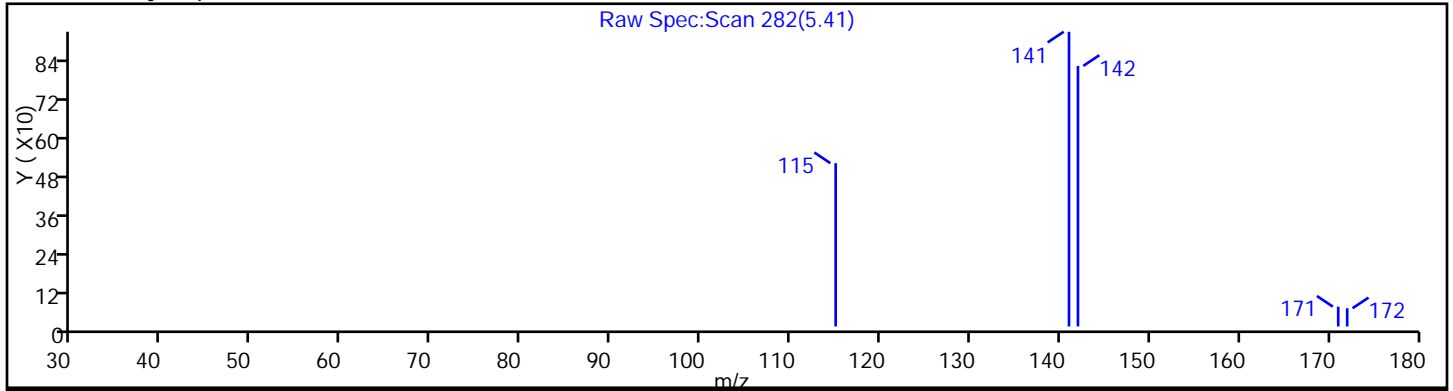
Review Flags

M - Manually Integrated

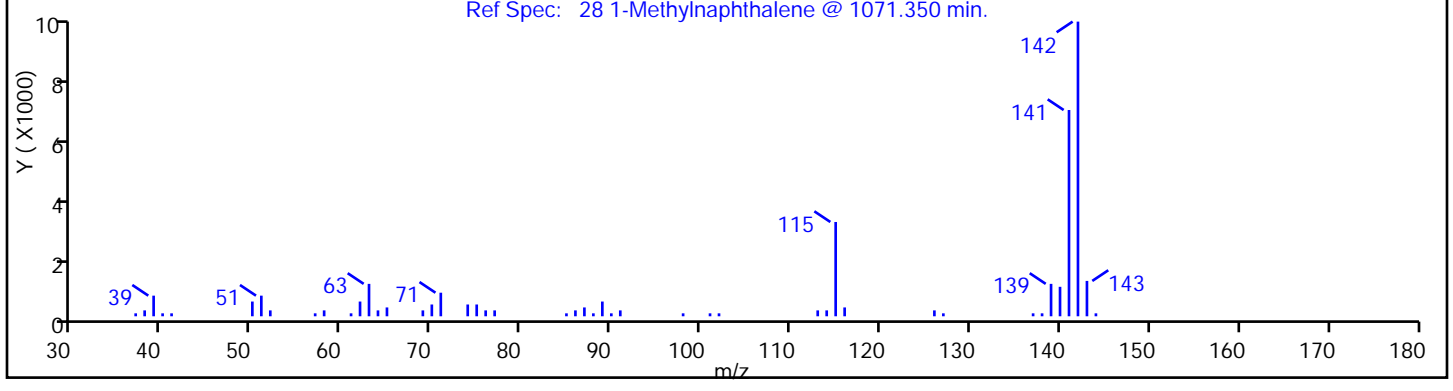
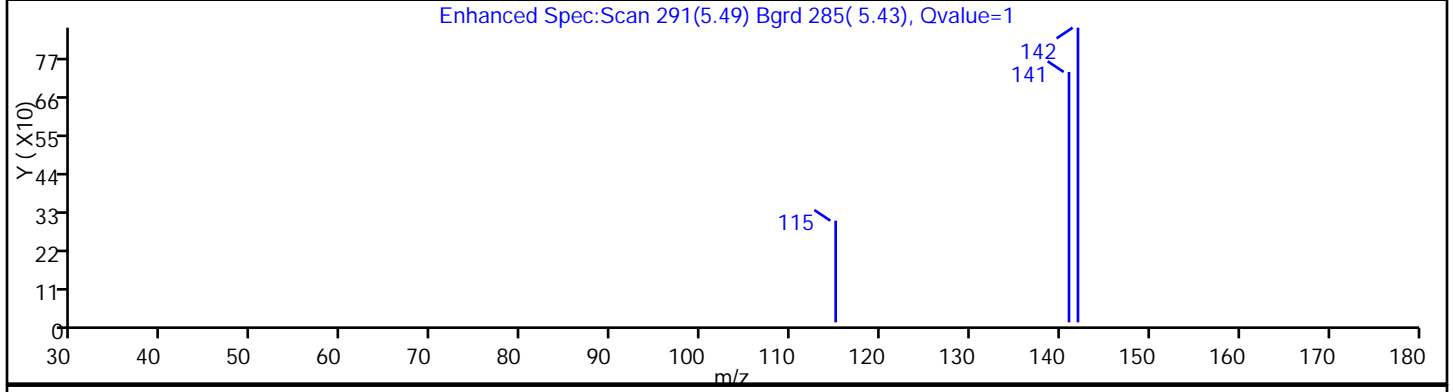
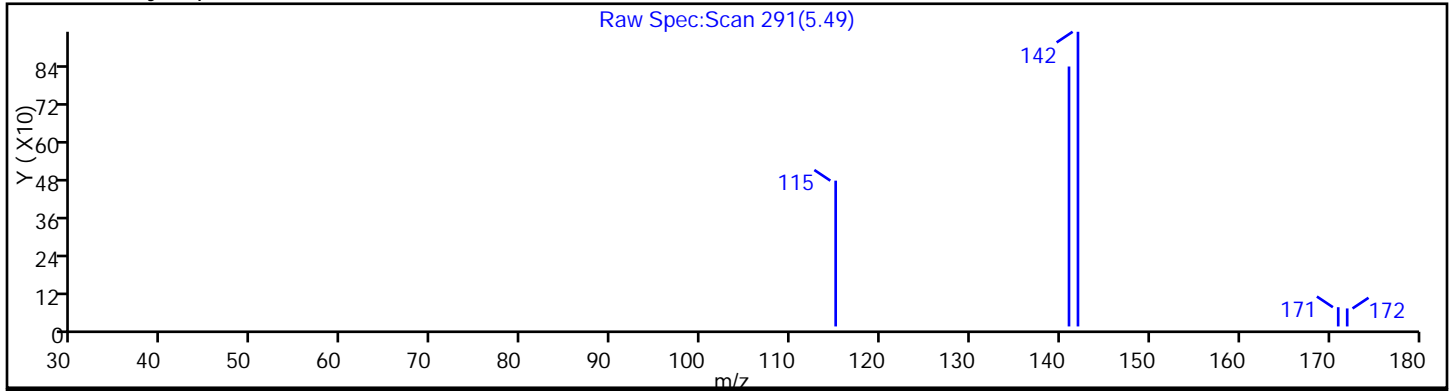
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



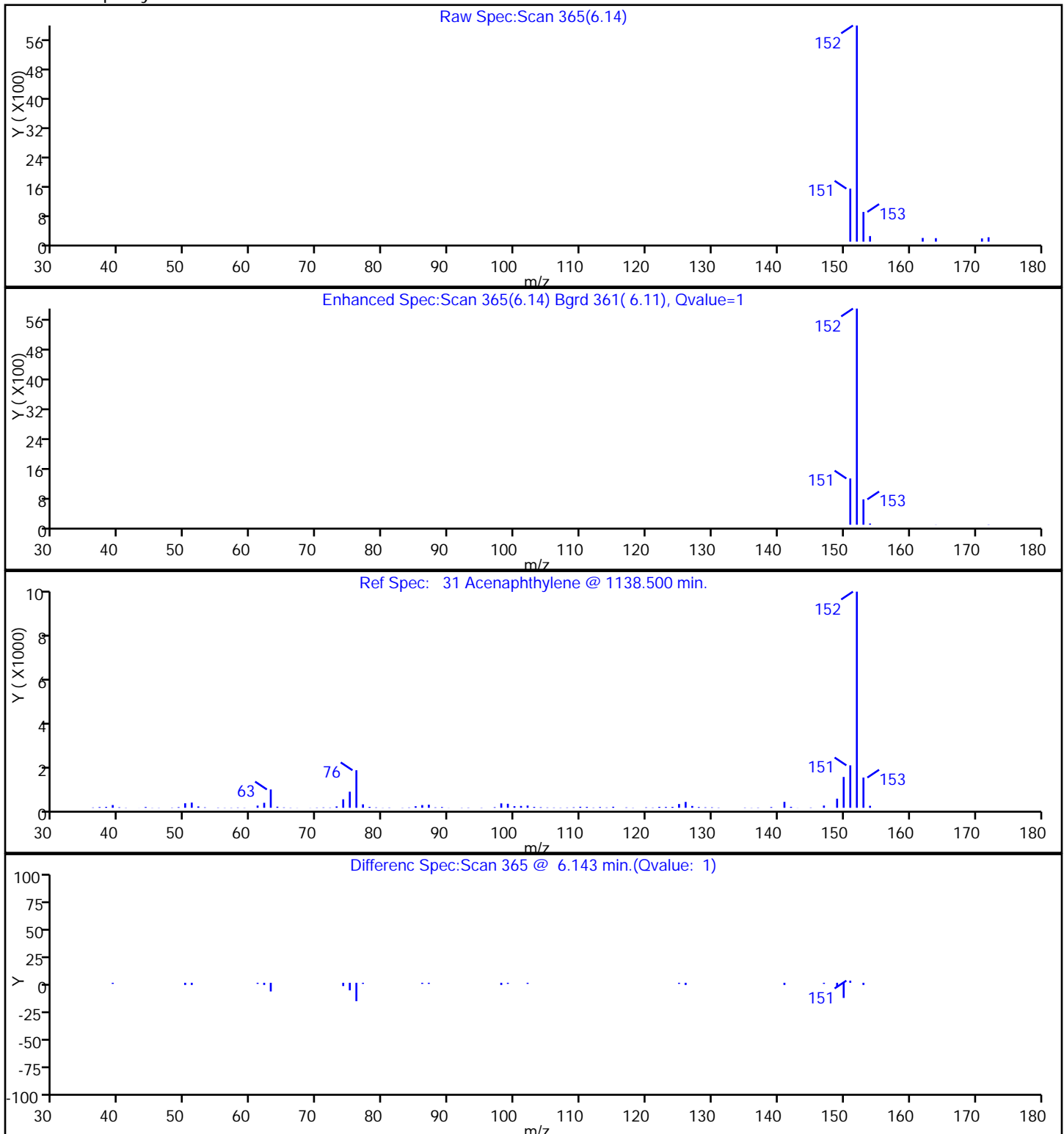
27 2-Methylnaphthalene



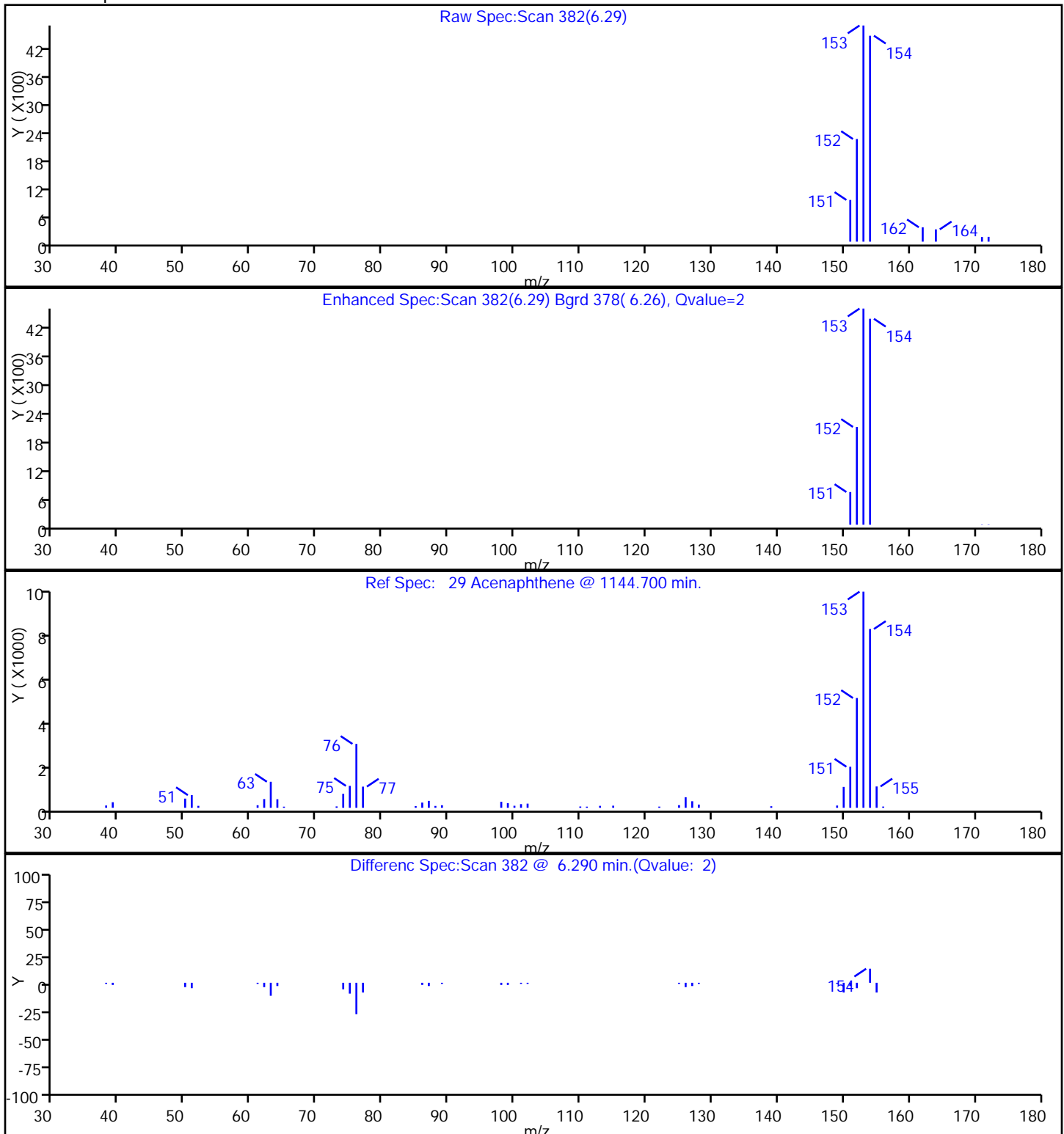
28 1-Methylnaphthalene



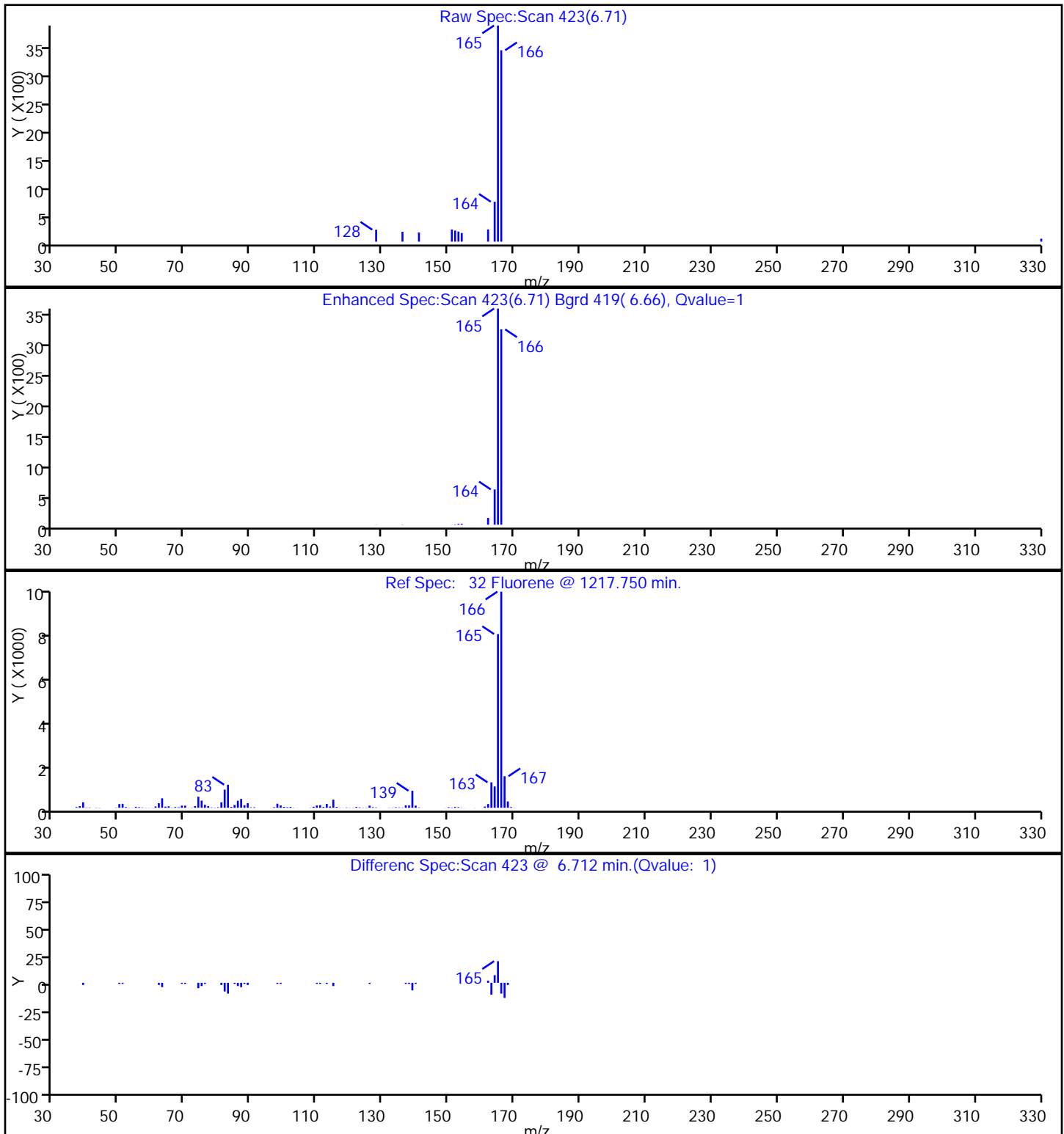
31 Acenaphthylene



29 Acenaphthene



32 Fluorene



Report Date: 25-May-2012 16:18:39

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D

Injection Date: 25-May-2012 13:17:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

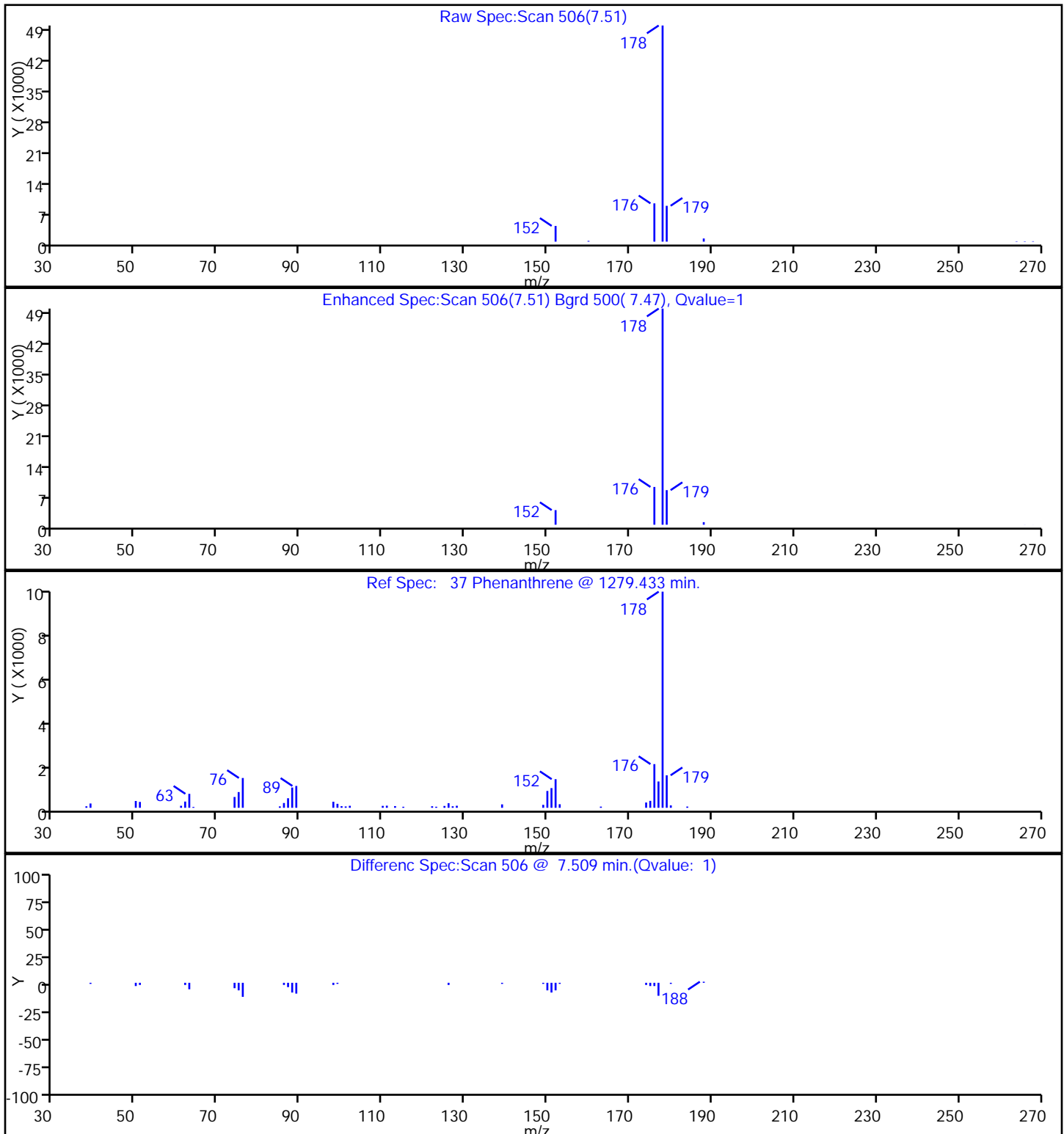
Lims Batch ID: 112072

Lims Sample ID: 7

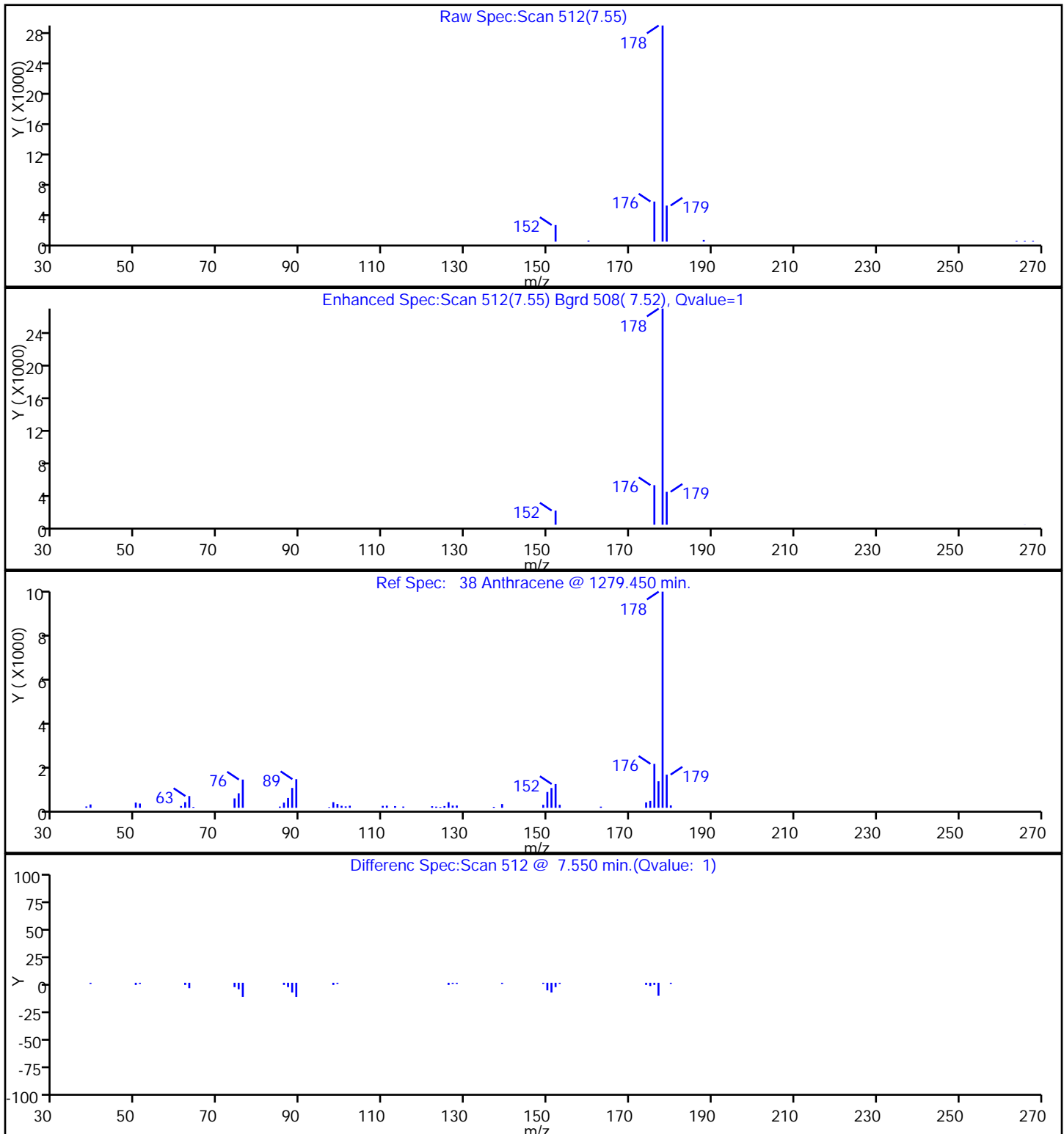
Operator ID: bat

Injection Vol: 1.00 ul

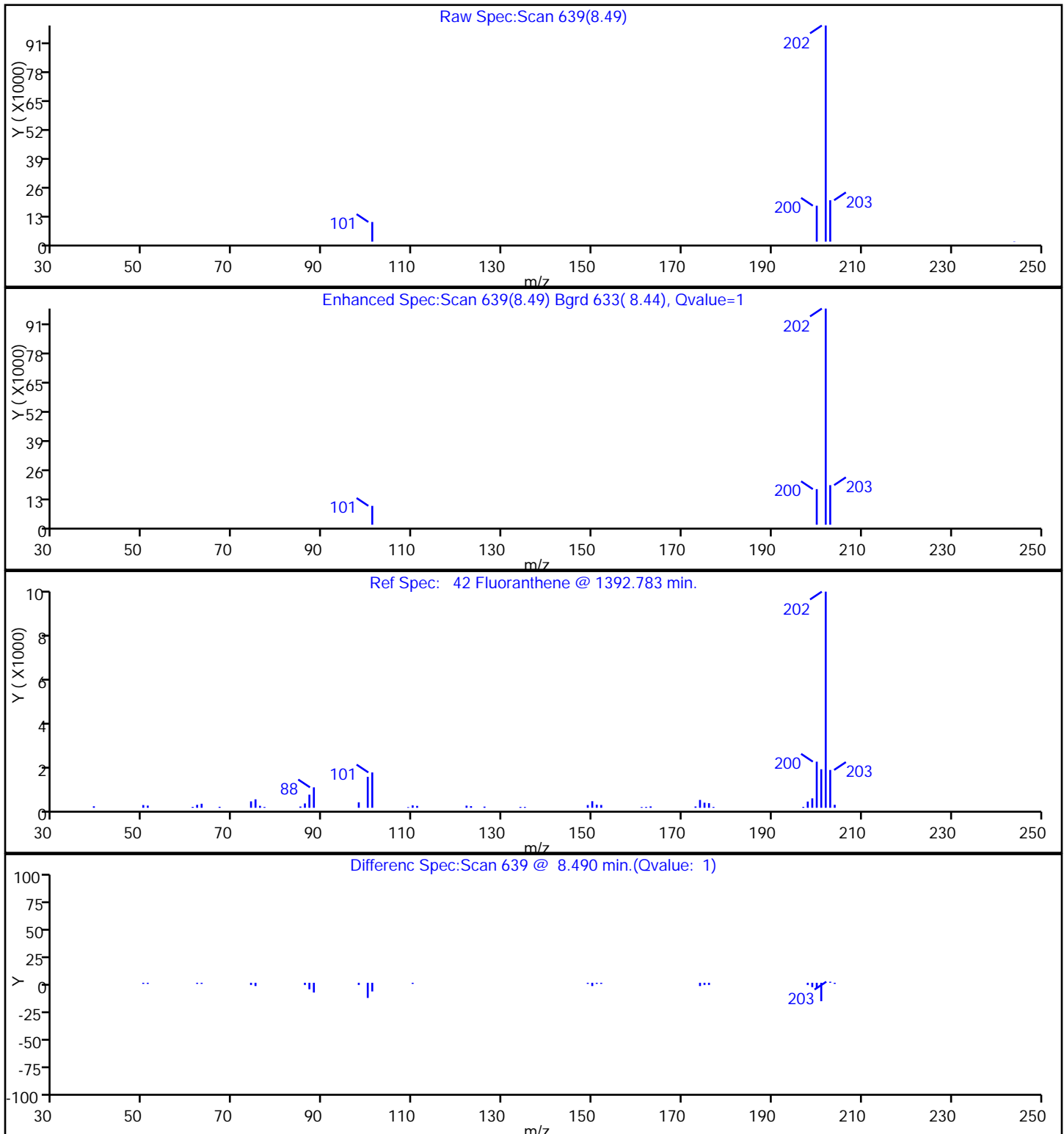
37 Phenanthrene



38 Anthracene



42 Fluoranthene



Report Date: 25-May-2012 16:18:39

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D

Injection Date: 25-May-2012 13:17:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

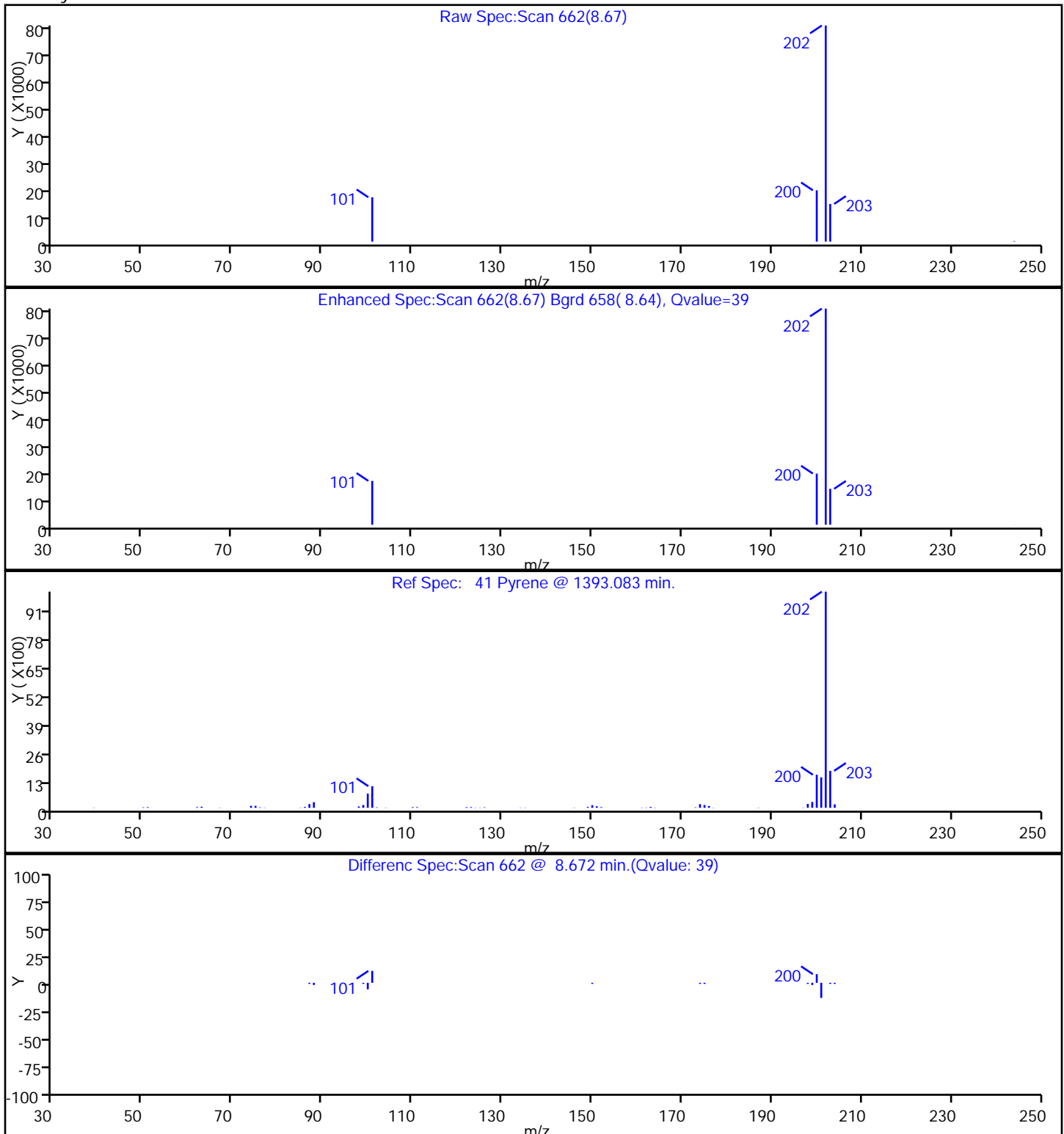
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Lims Sample ID: 7

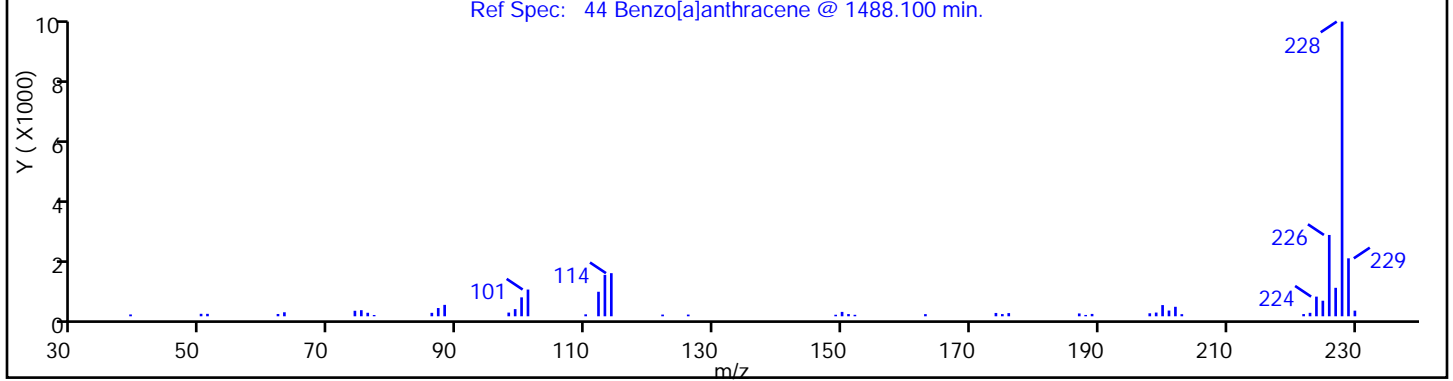
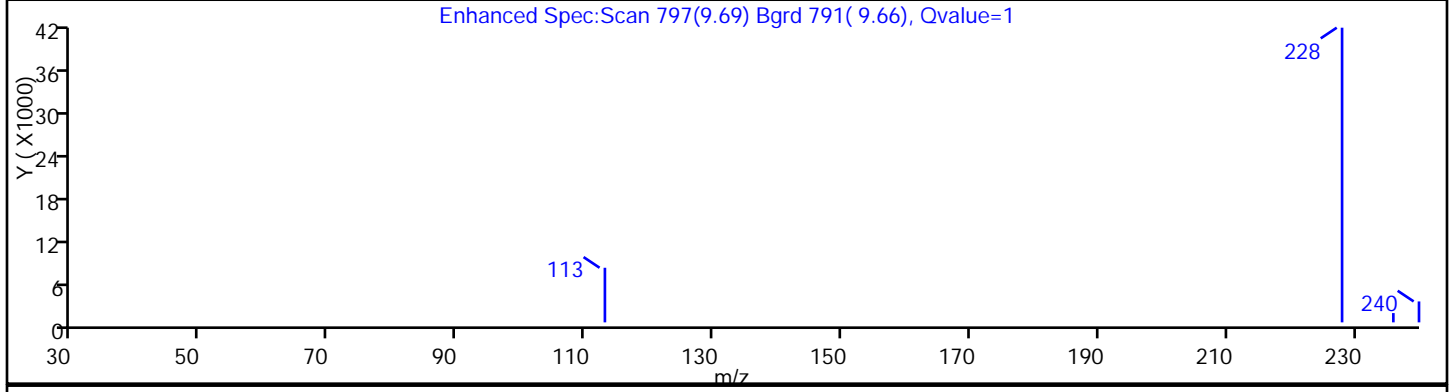
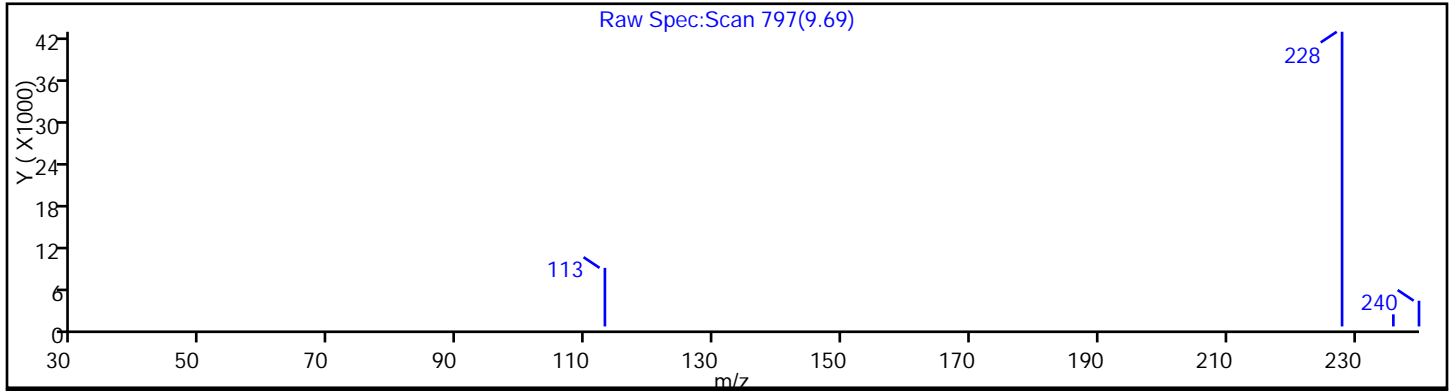
Operator ID: bat

Injection Vol: 1.00 ul

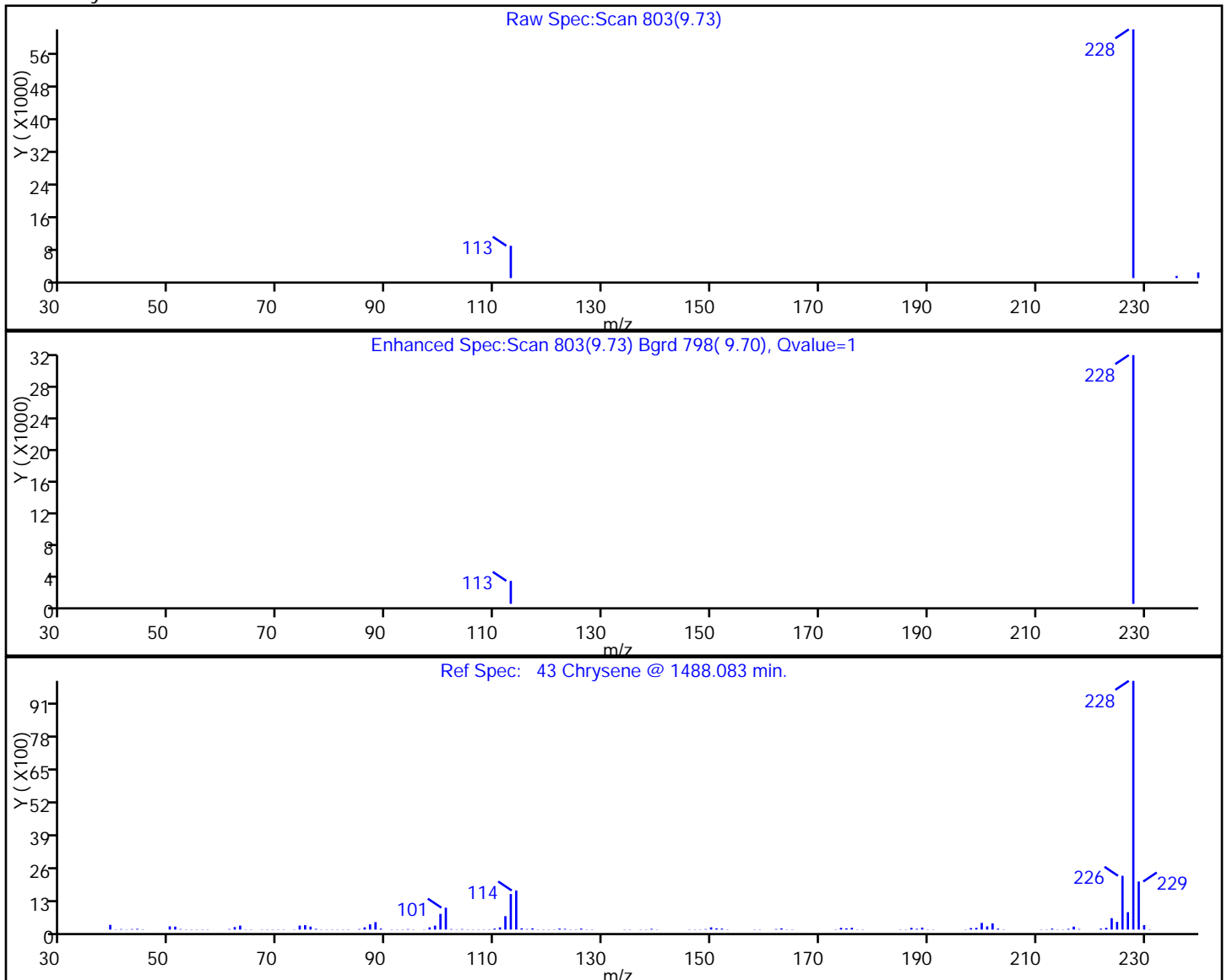
41 Pyrene



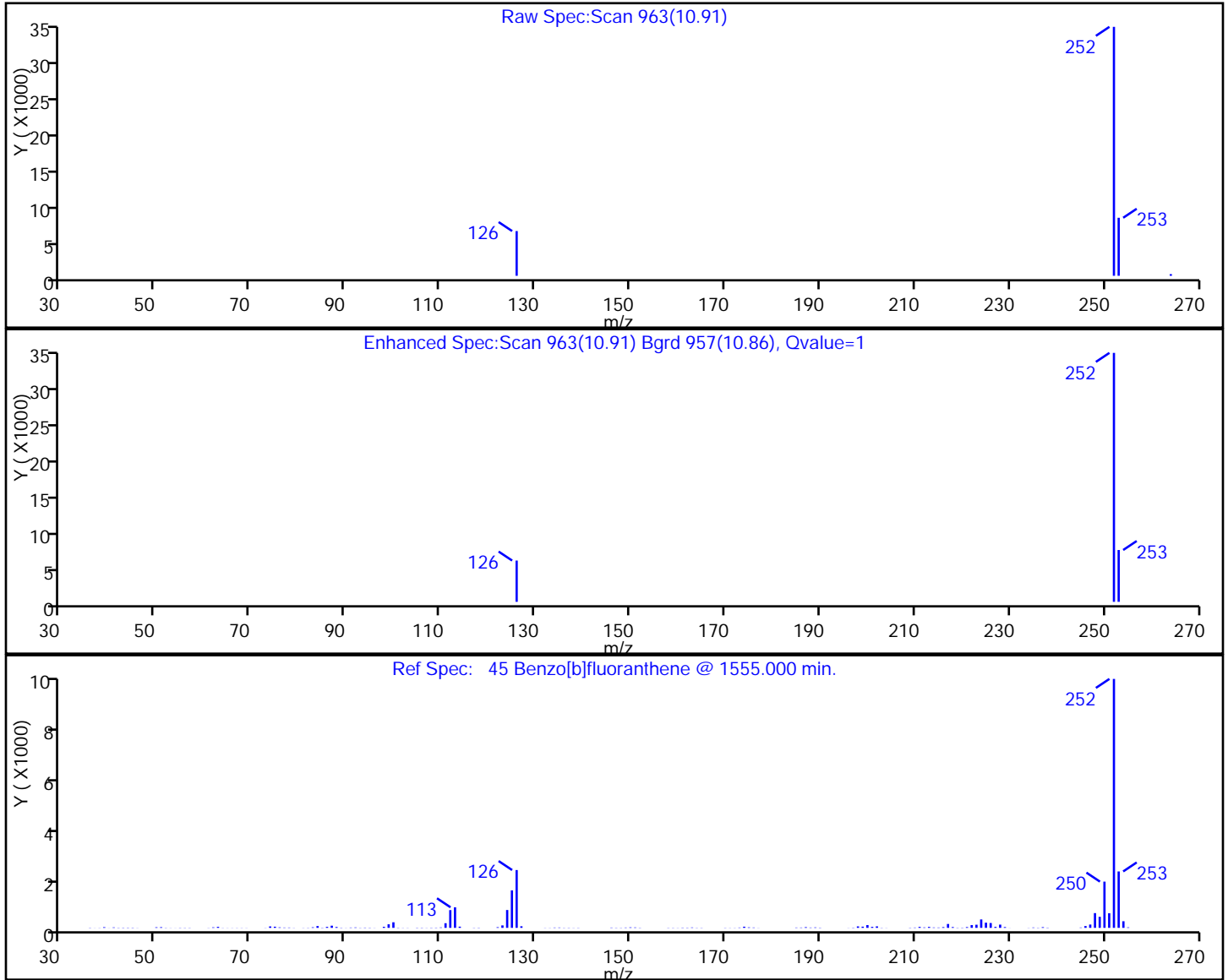
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:18:39

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D

Injection Date: 25-May-2012 13:17:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA10-COMP-120507

Instrument ID: TAC023

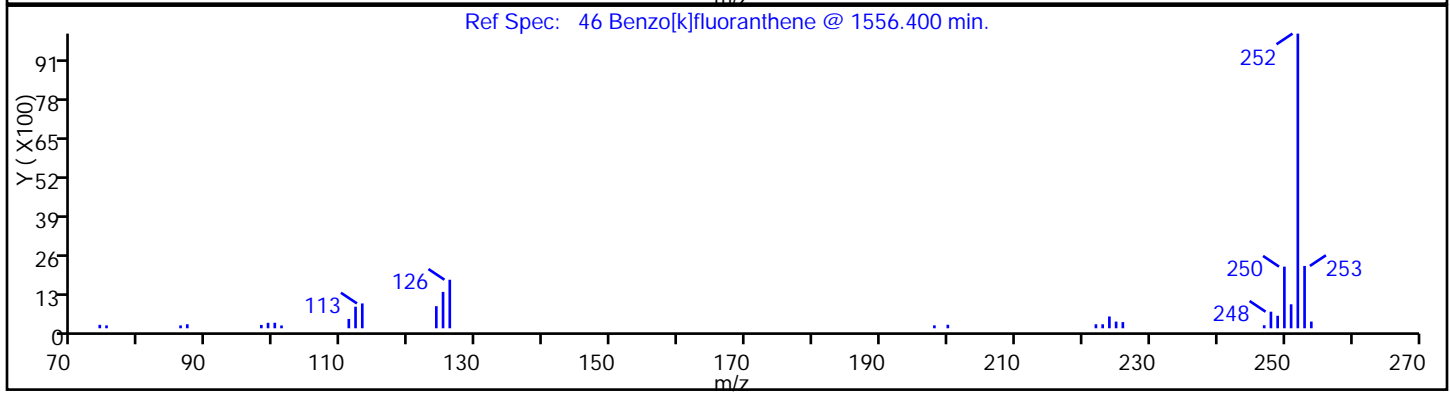
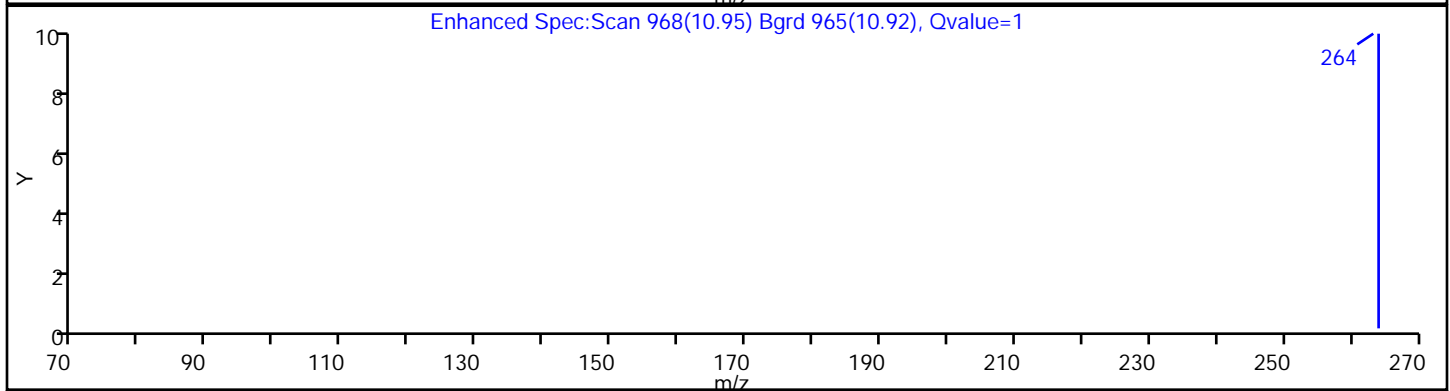
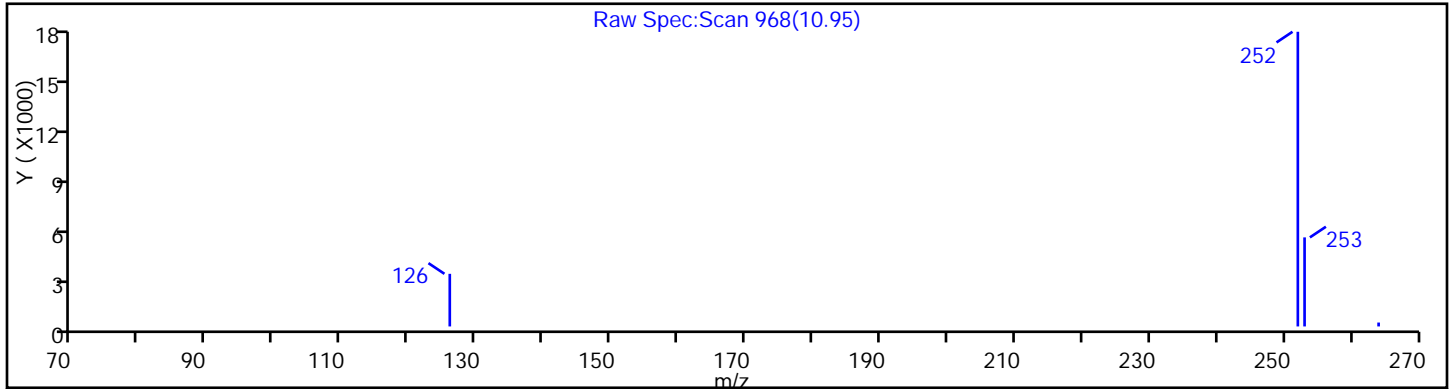
Lims Batch ID: 112072

Lims Sample ID: 7

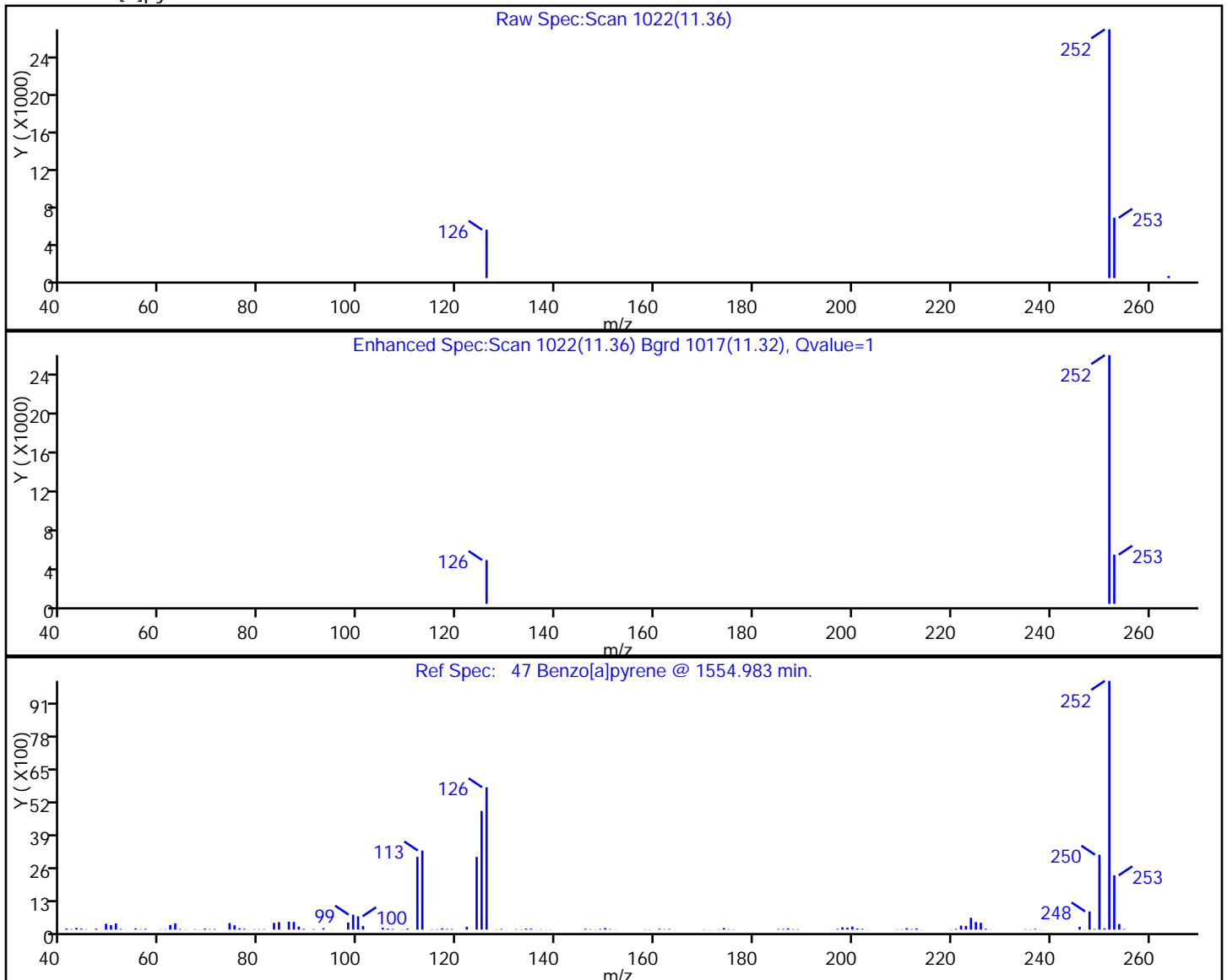
Operator ID: bat

Injection Vol: 1.00 ul

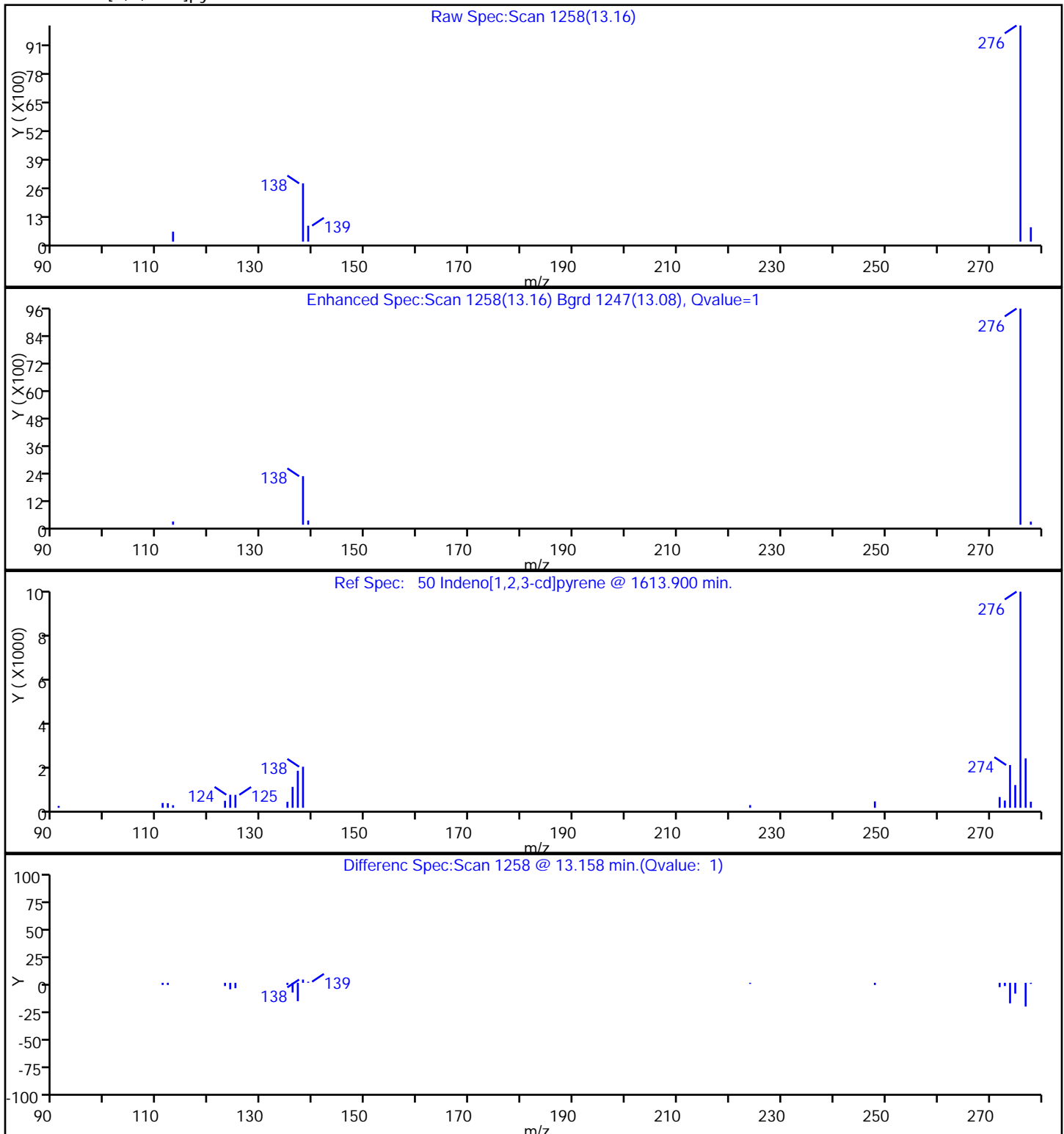
46 Benzo[k]fluoranthene



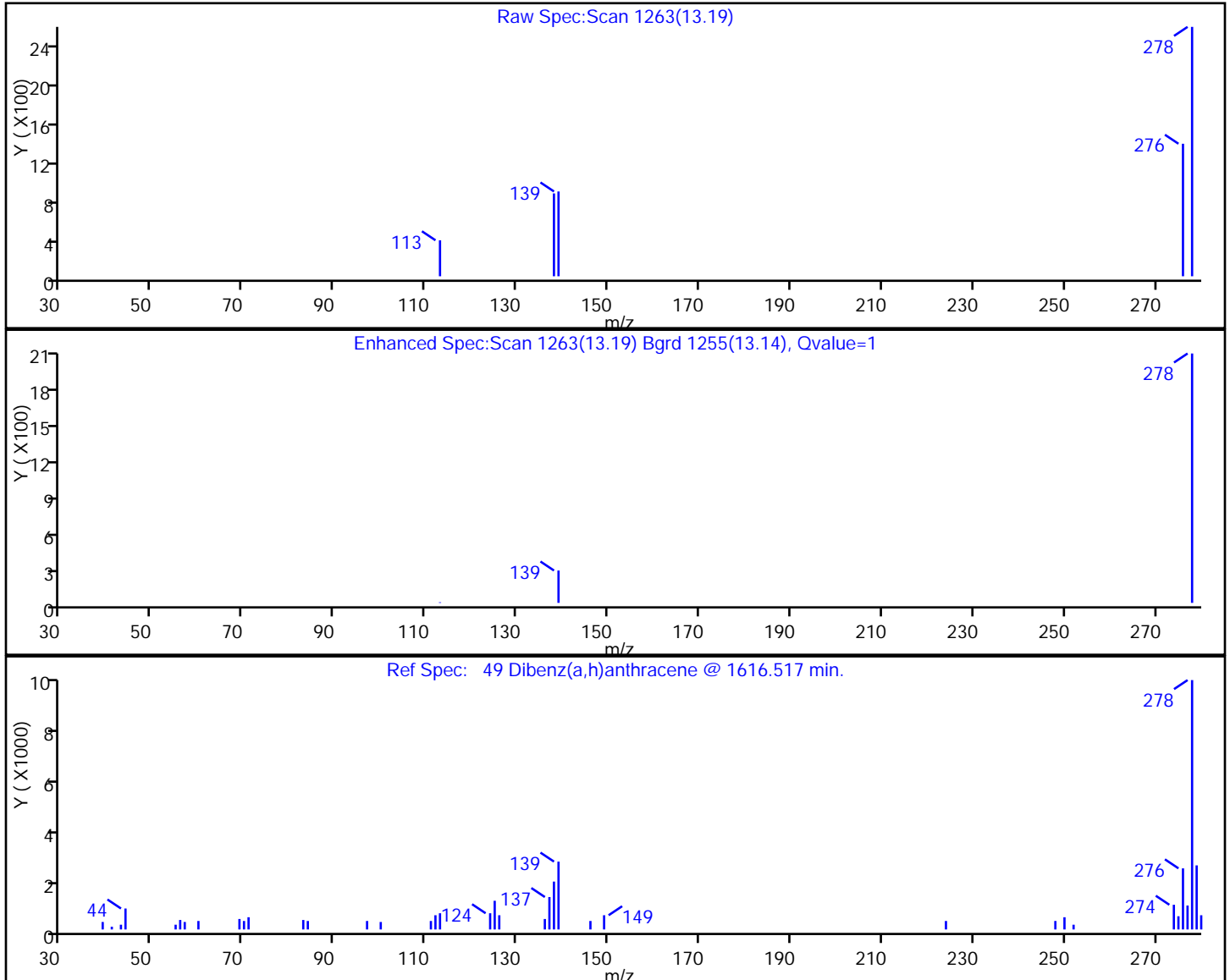
47 Benzo[a]pyrene



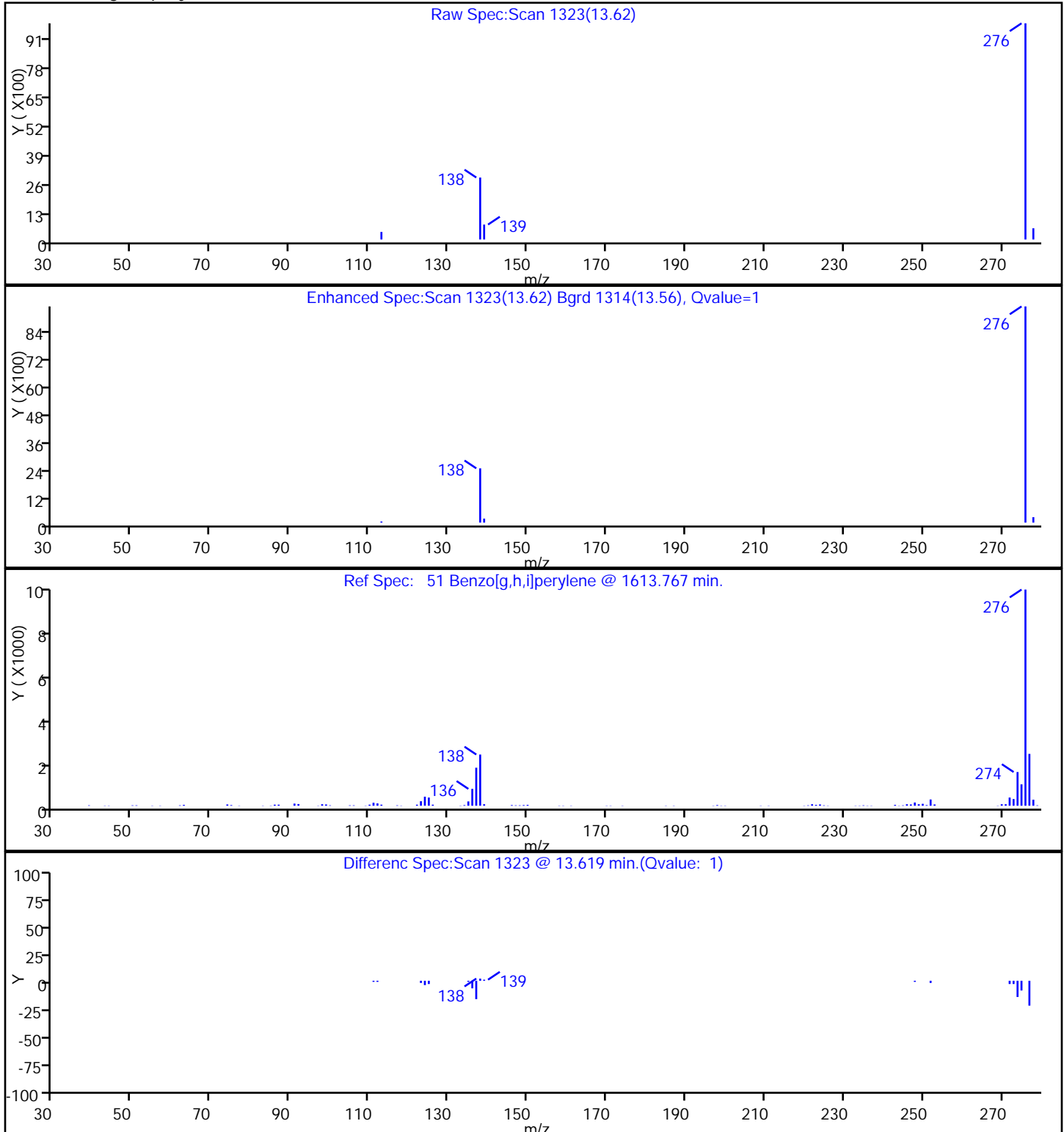
50 Indeno[1,2,3-cd]pyrene



49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

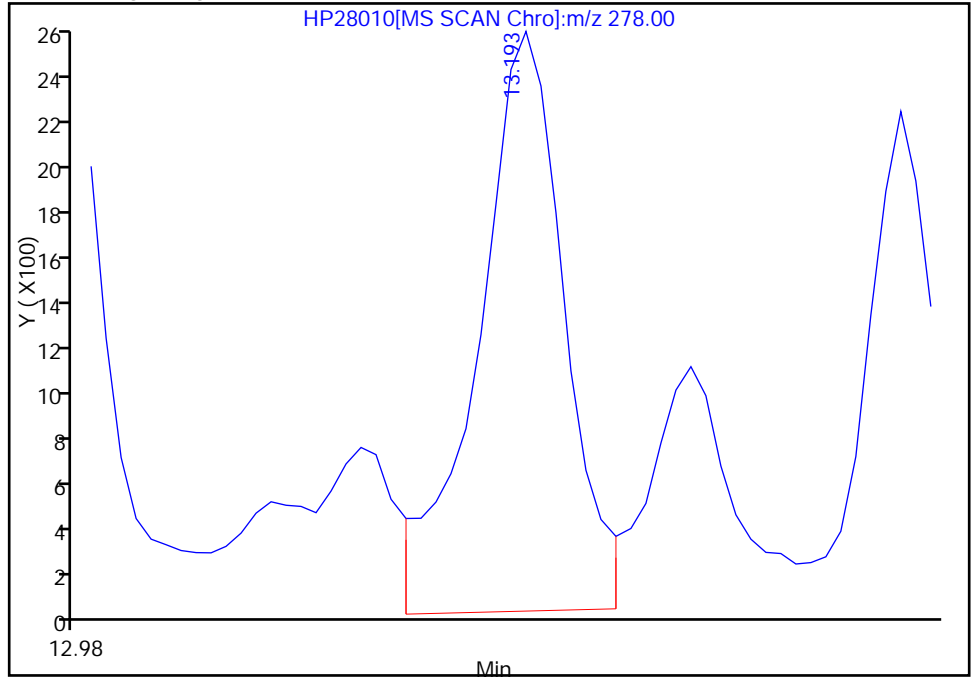


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28010.D
Injection Date: 25-May-2012 13:17:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA10-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

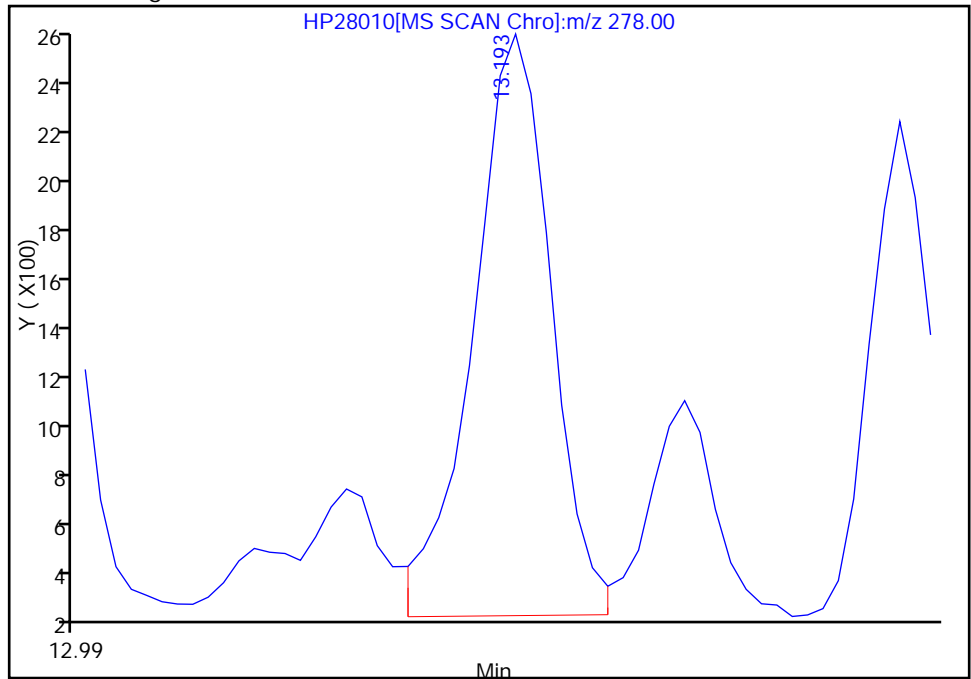
RT: 13.19
Response: 6992
Amount: 13.562933

Processing Integration Results



RT: 13.19
Response: 5672
Amount: 11.002425

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:18:39
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-EA01-COMP-120507 Lab Sample ID: 580-32803-46
 Matrix: Solid Lab File ID: HP28011.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 17:39
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.0905(g) Date Analyzed: 05/25/2012 13:39
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 52.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.68	J	1.1	0.42
91-57-6	2-Methylnaphthalene	ND		1.1	0.42
90-12-0	1-Methylnaphthalene	ND		1.1	0.32
208-96-8	Acenaphthylene	1.3		1.1	0.32
83-32-9	Acenaphthene	1.1		1.1	0.32
86-73-7	Fluorene	1.5		1.1	0.32
85-01-8	Phenanthrene	4.7		1.1	0.32
120-12-7	Anthracene	4.1		1.1	0.32
206-44-0	Fluoranthene	15		1.1	0.32
129-00-0	Pyrene	14		1.1	0.32
56-55-3	Benzo[a]anthracene	9.8		1.1	0.32
218-01-9	Chrysene	22		1.1	0.32
205-99-2	Benzo[b]fluoranthene	12		1.1	0.32
207-08-9	Benzo[k]fluoranthene	5.5		1.1	0.32
50-32-8	Benzo[a]pyrene	6.5		1.1	0.32
193-39-5	Indeno[1,2,3-cd]pyrene	4.1		1.1	0.32
53-70-3	Dibenz(a,h)anthracene	0.87	J	1.1	0.32
191-24-2	Benzo[g,h,i]perylene	3.1		1.1	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	75		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D
 Lims ID: 580-32803-D-46-A Client ID: JW-EA01-COMP-120507
 Inject. Date: 25-May-2012 13:39:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-d-46-a
 Misc. Info.: 580-0023449-008 =580-0023449-008
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 112072 Lims Sample ID: 8
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:19:39

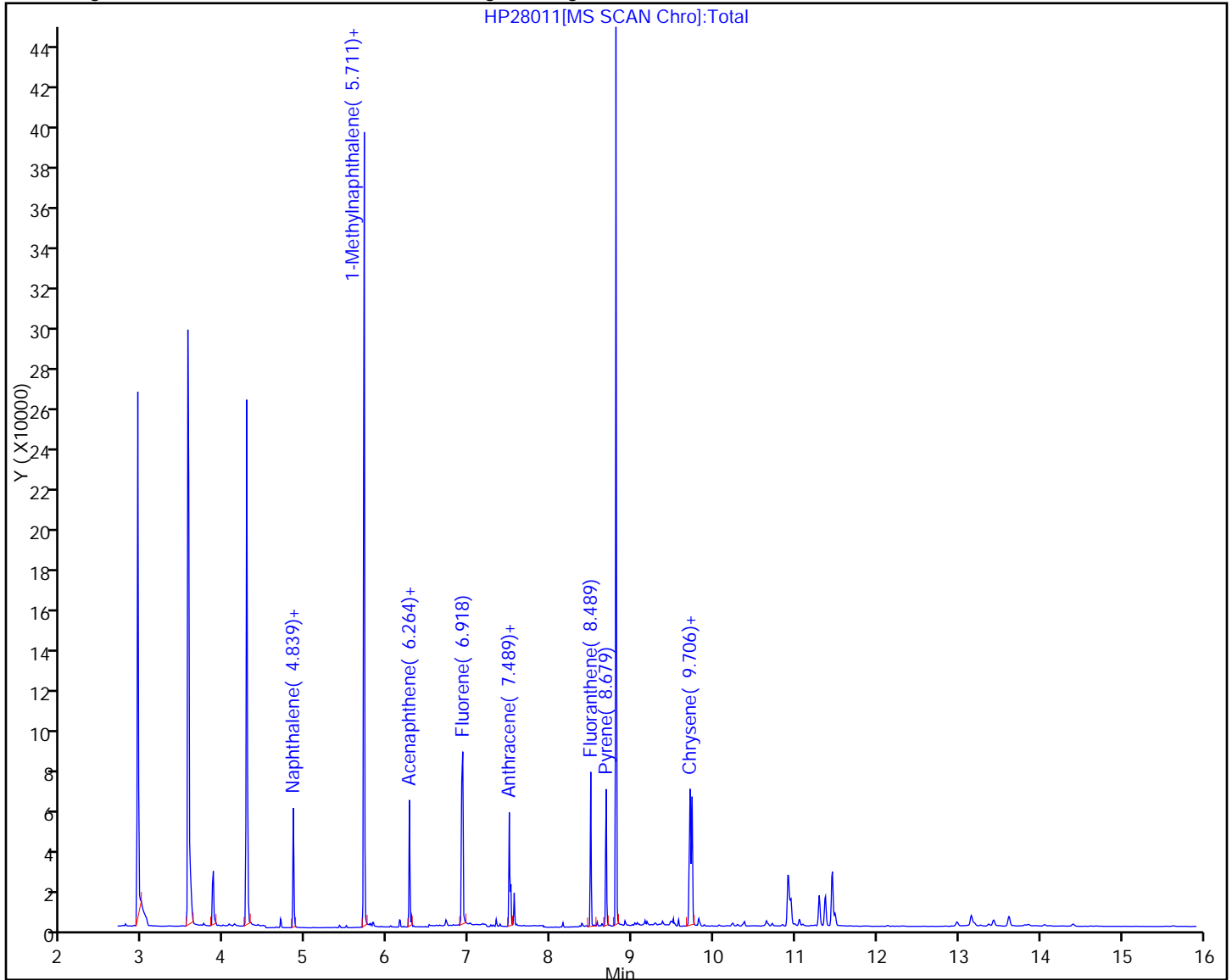
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17627	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	46639	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	26233	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	40610	98.0	
* 5 Chrysene-d12	240	9.706	9.709	-0.003	1	47305	98.1	
* 6 Perylene-d12	264	11.453	11.448	0.005	1	42241	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	131305	854.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	242148	612.6	
\$ 12 Terphenyl-d14	244	8.798	8.799	-0.001	1	328519	747.5	
26 Naphthalene	128	4.853	4.860	-0.007	1	1694	3.24	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	536	1.75	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	386	1.25	
31 Acenaphthylene	152	6.143	6.143	0.0	1	3035	6.21	
29 Acenaphthene	153	6.290	6.289	0.001	4	1713	5.20	
32 Fluorene	166	6.712	6.712	0.0	1	2371	6.94	
37 Phenanthrene	178	7.509	7.510	-0.001	1	11467	22.5	
38 Anthracene	178	7.549	7.550	-0.001	1	9793	19.5	
42 Fluoranthene	202	8.489	8.490	-0.001	1	40488	72.4	
41 Pyrene	202	8.679	8.680	-0.001	41	38332	65.9	
44 Benzo[a]anthracene	228	9.694	9.697	-0.003	1	24782	46.7	
43 Chrysene	228	9.732	9.729	0.003	1	56845	103.1	
45 Benzo[b]fluoranthene	252	10.906	10.909	-0.003	1	34648	58.6	M
46 Benzo[k]fluoranthene	252	10.945	10.948	-0.003	1	15688	26.2	M
47 Benzo[a]pyrene	252	11.368	11.364	0.004	1	16309	30.9	
50 Indeno[1,2,3-cd]pyrene	276	13.157	13.152	0.005	1	9235	19.3	
49 Dibenz(a,h)anthracene	278	13.192	13.202	-0.010	1	2071	4.11	M
51 Benzo[g,h,i]perylene	276	13.618	13.621	-0.003	1	7819	15.0	

QC Flag Legend

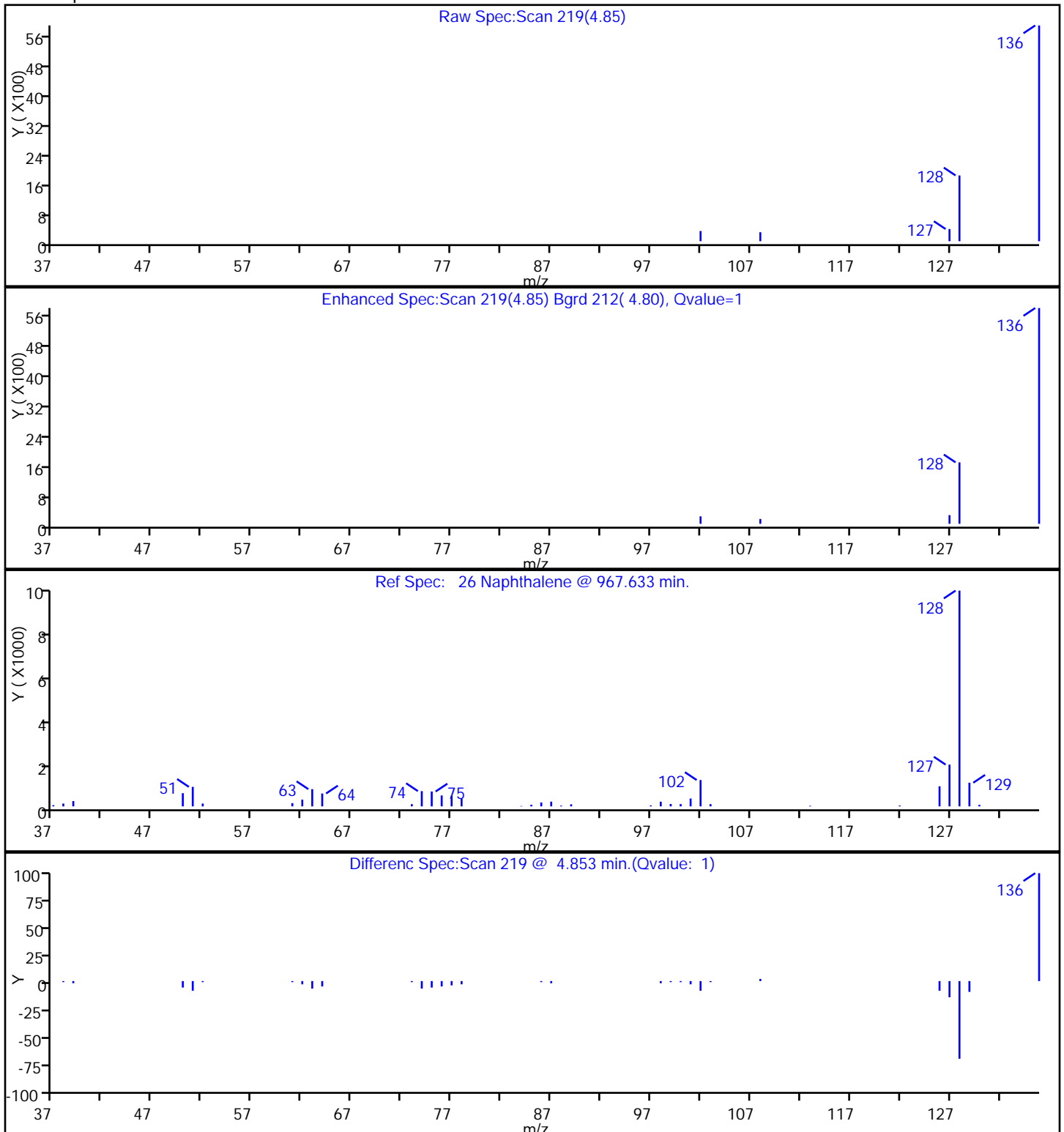
Review Flags

M - Manually Integrated

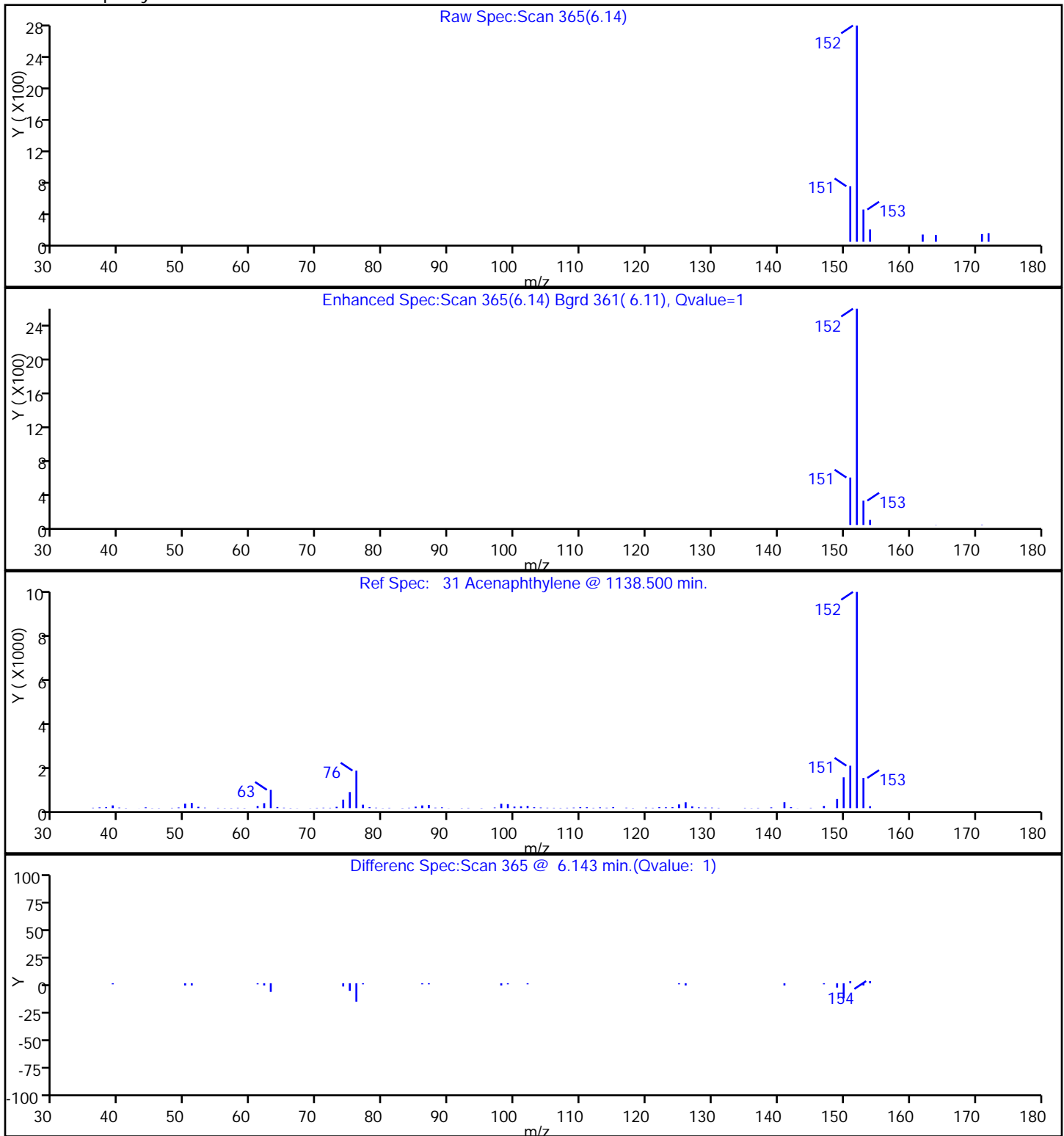
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



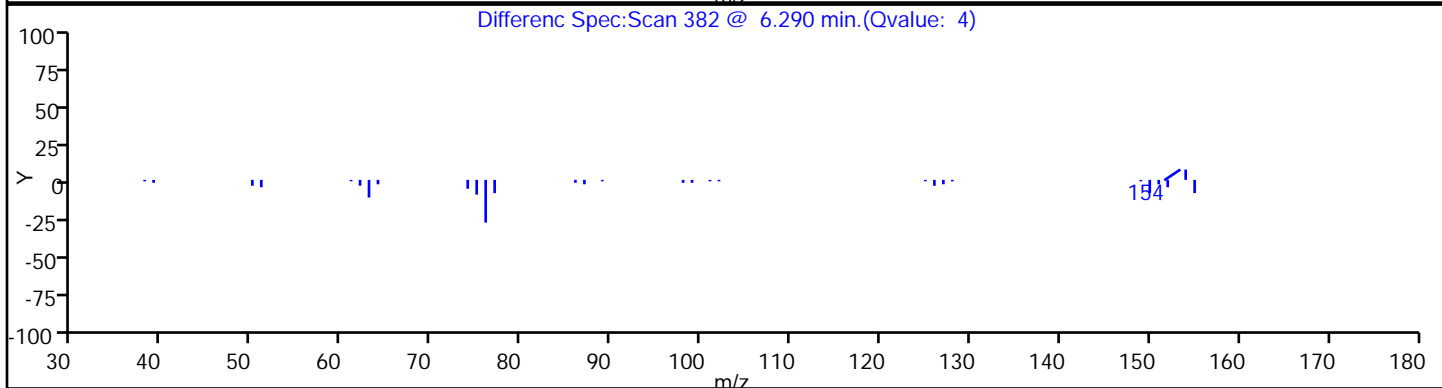
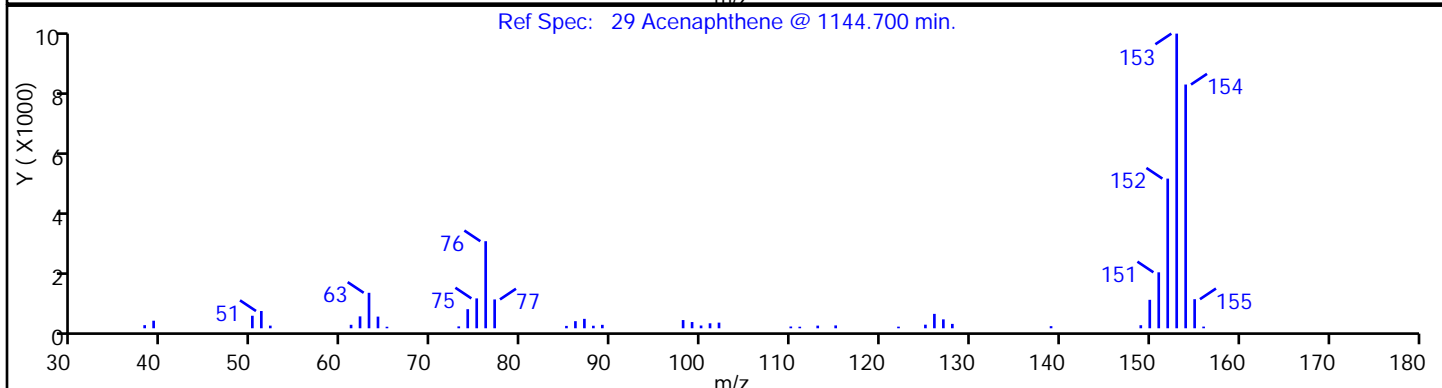
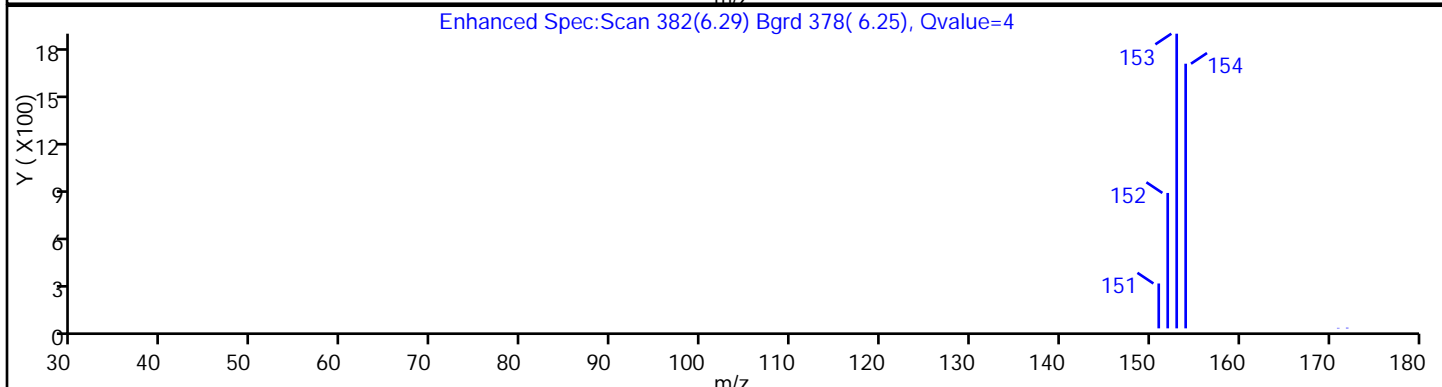
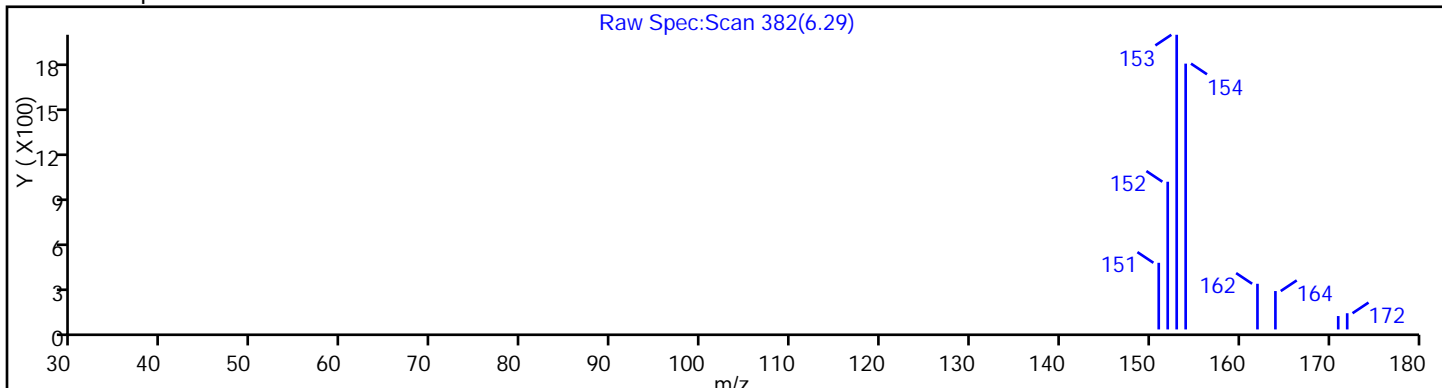
26 Naphthalene



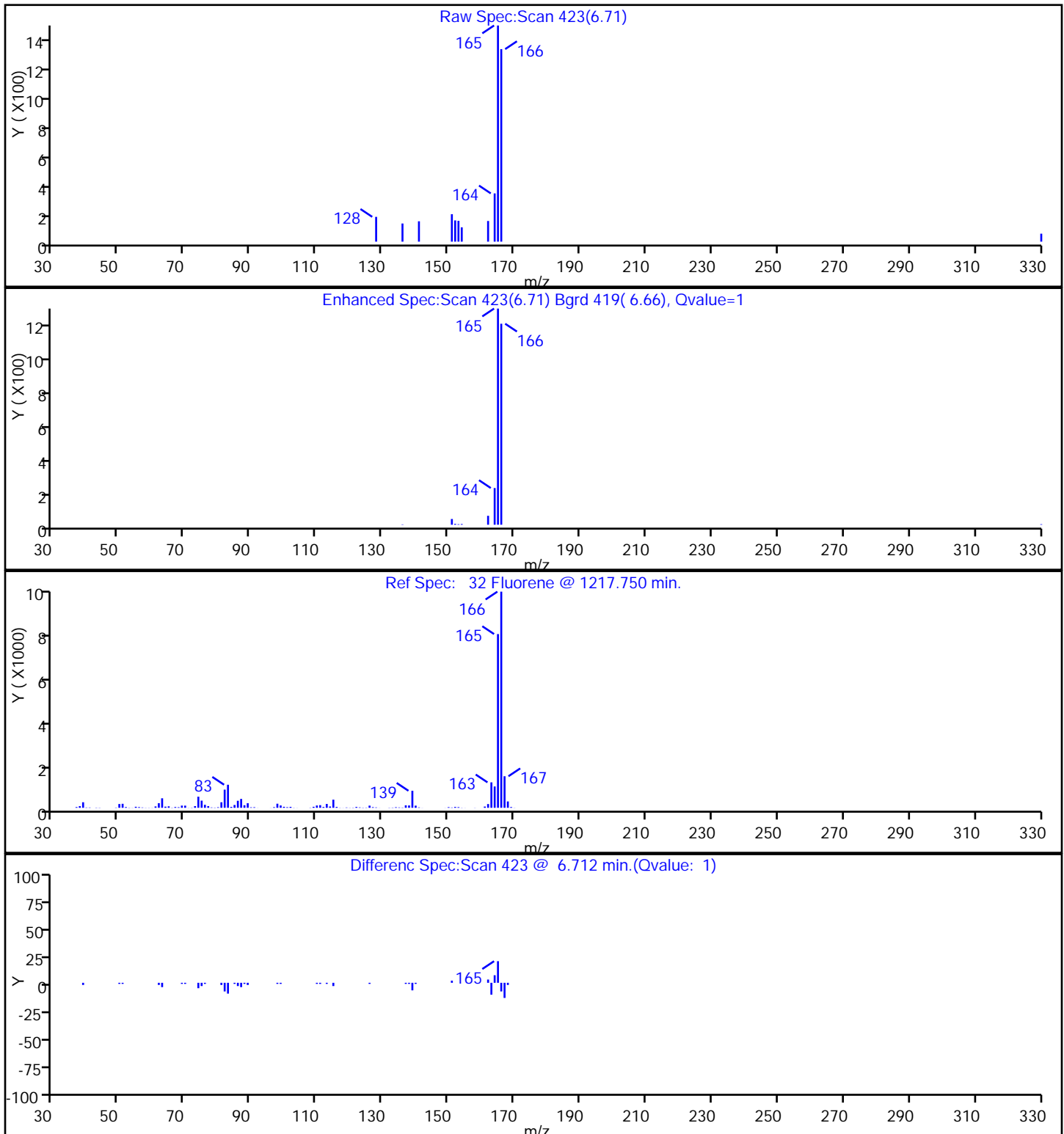
31 Acenaphthylene



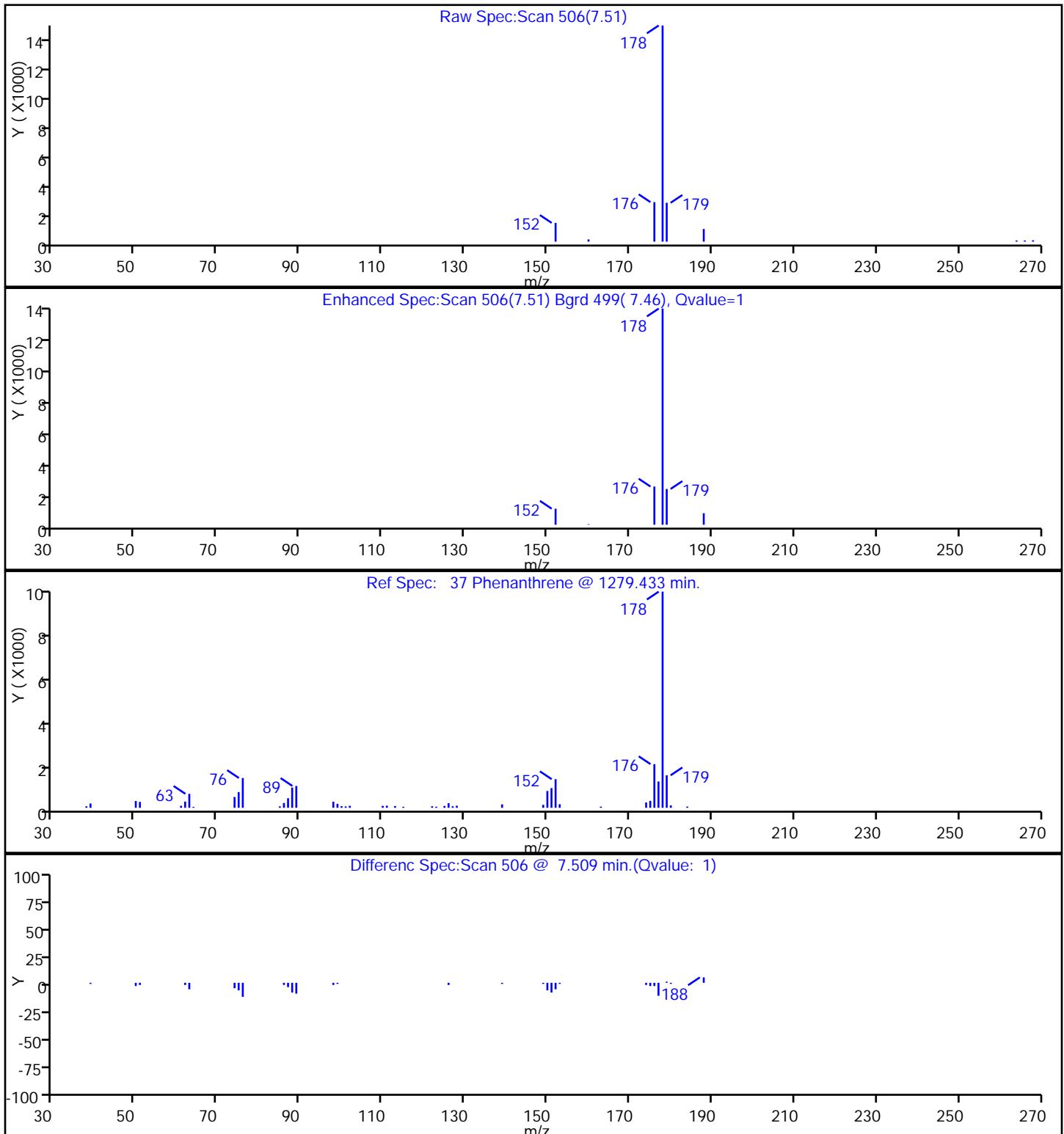
29 Acenaphthene



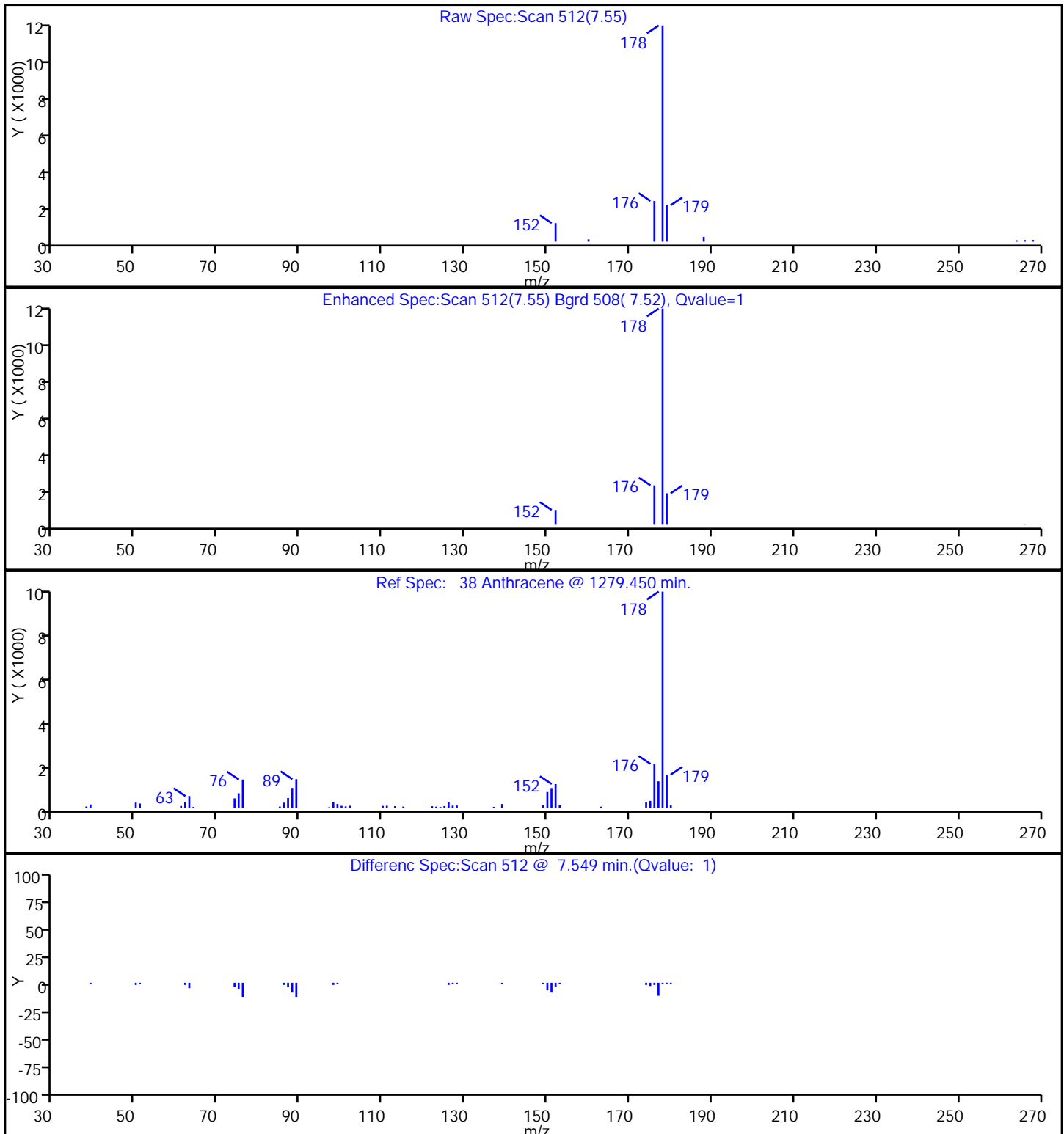
32 Fluorene



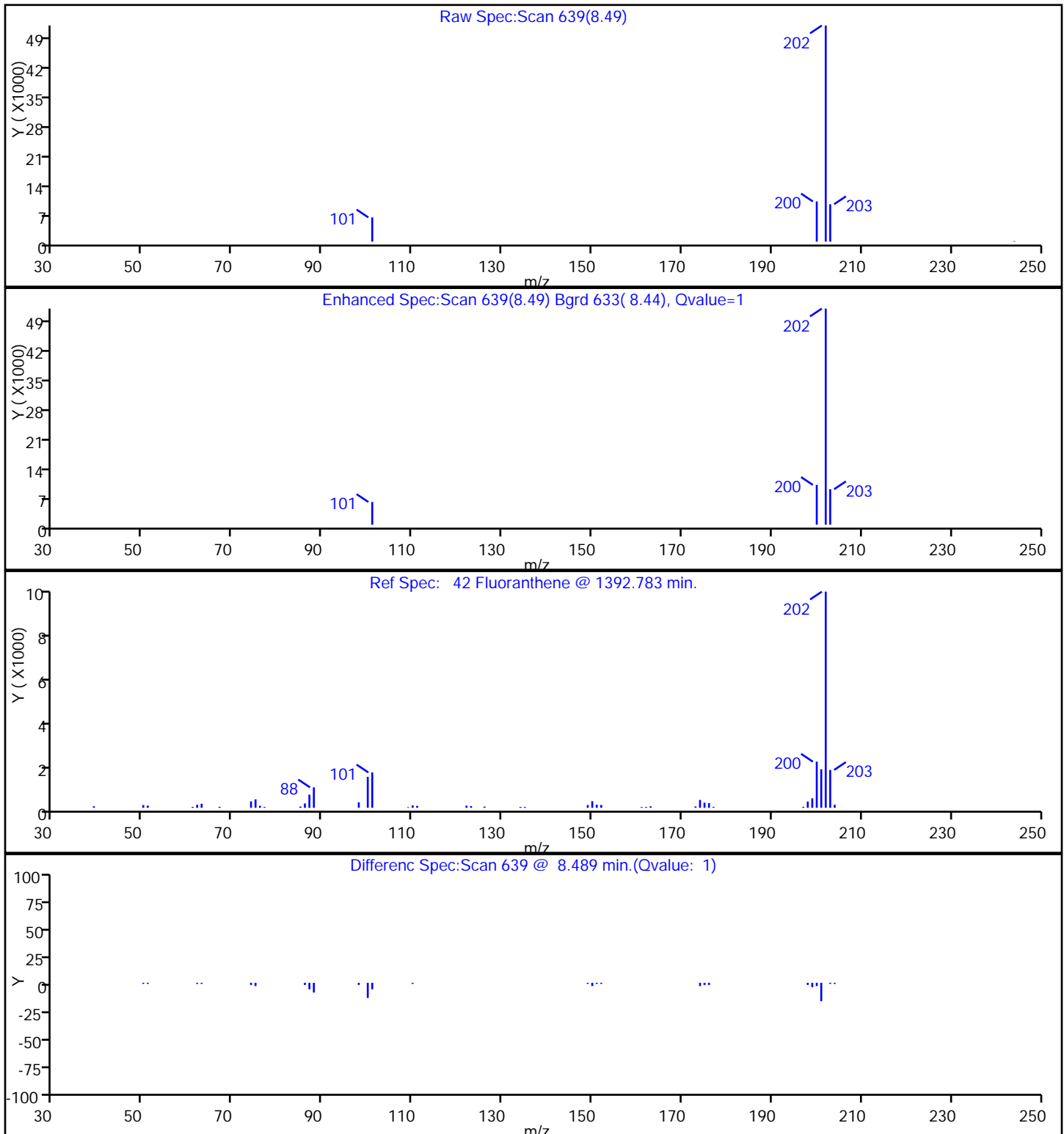
37 Phenanthrene



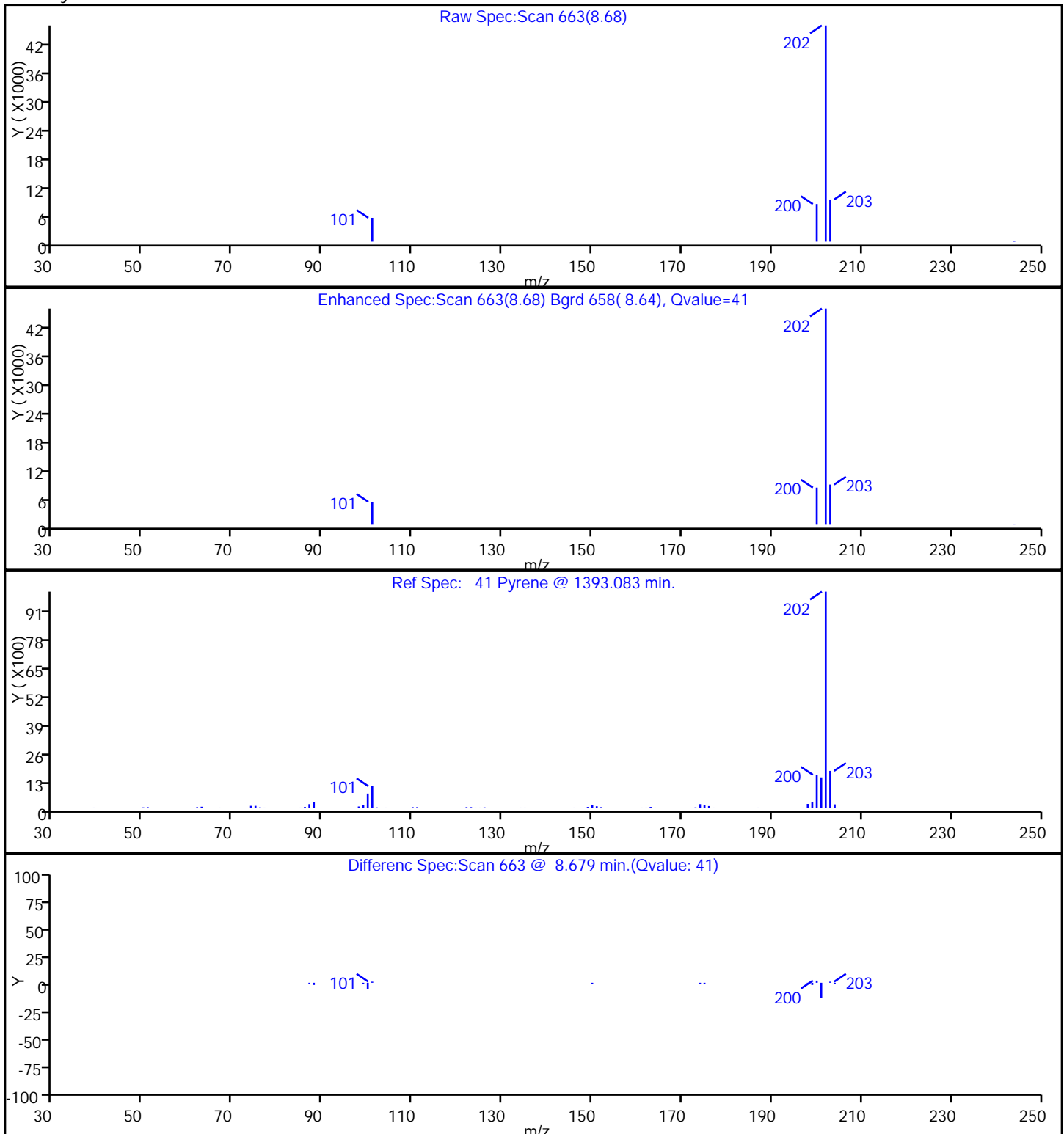
38 Anthracene



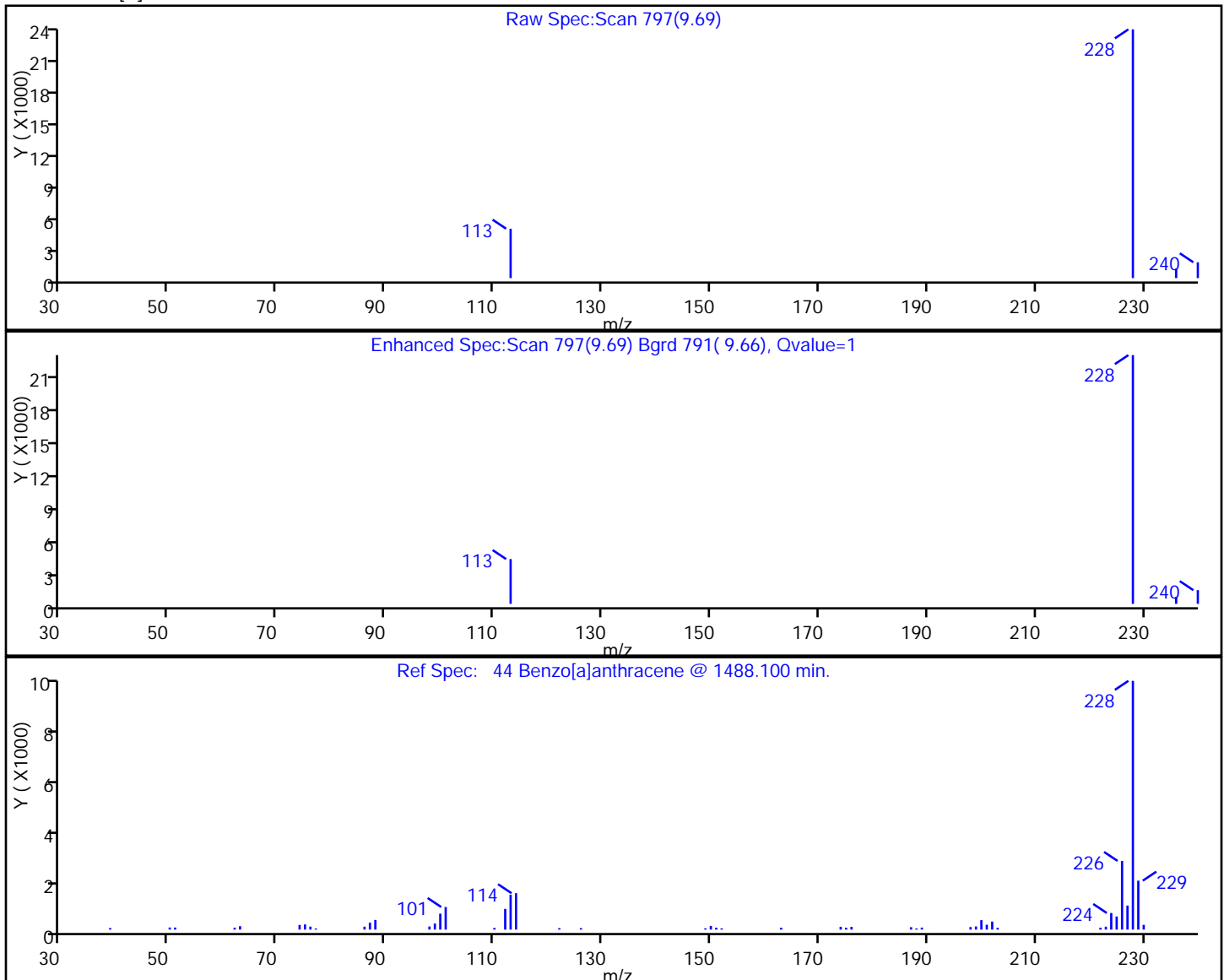
42 Fluoranthene



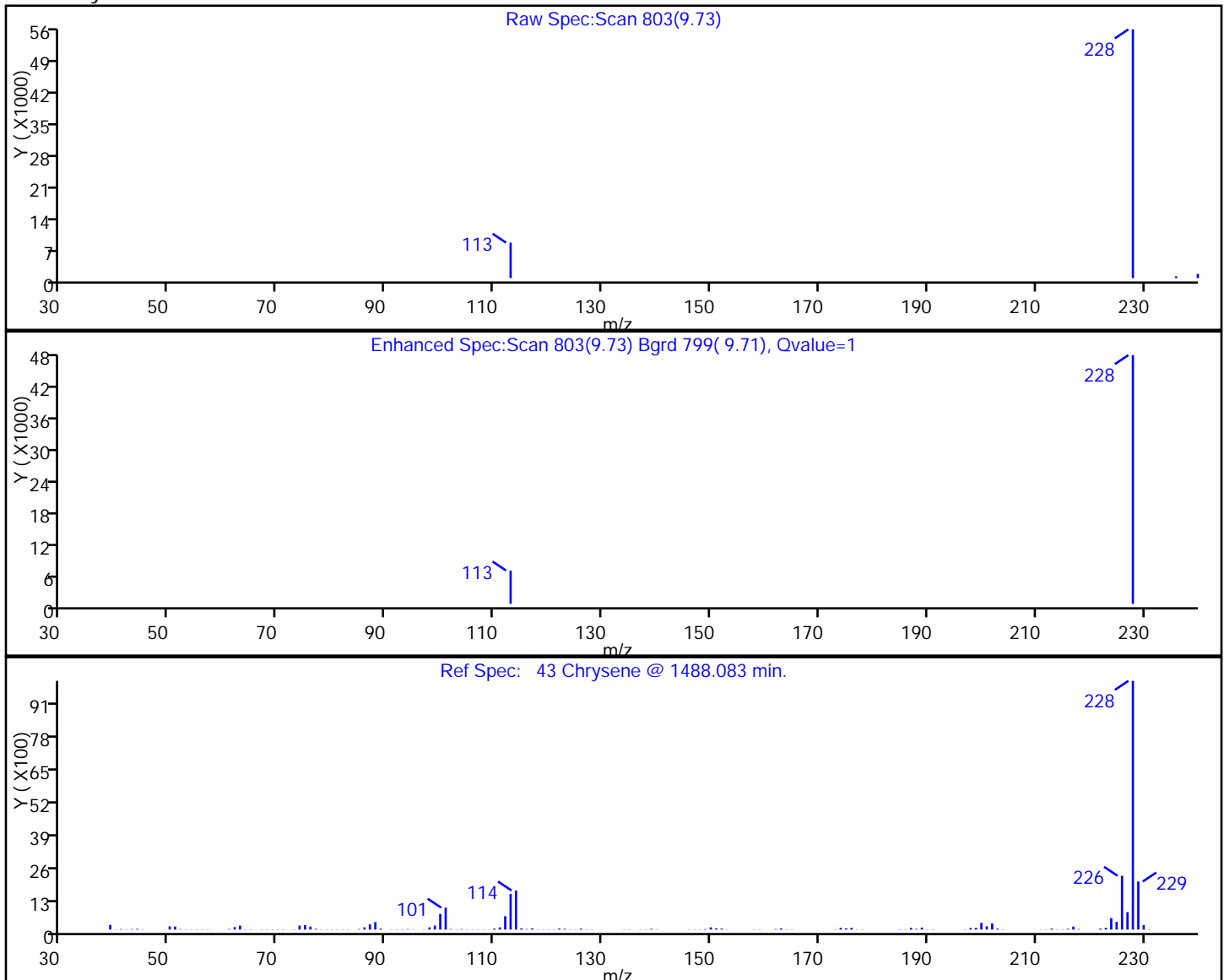
41 Pyrene



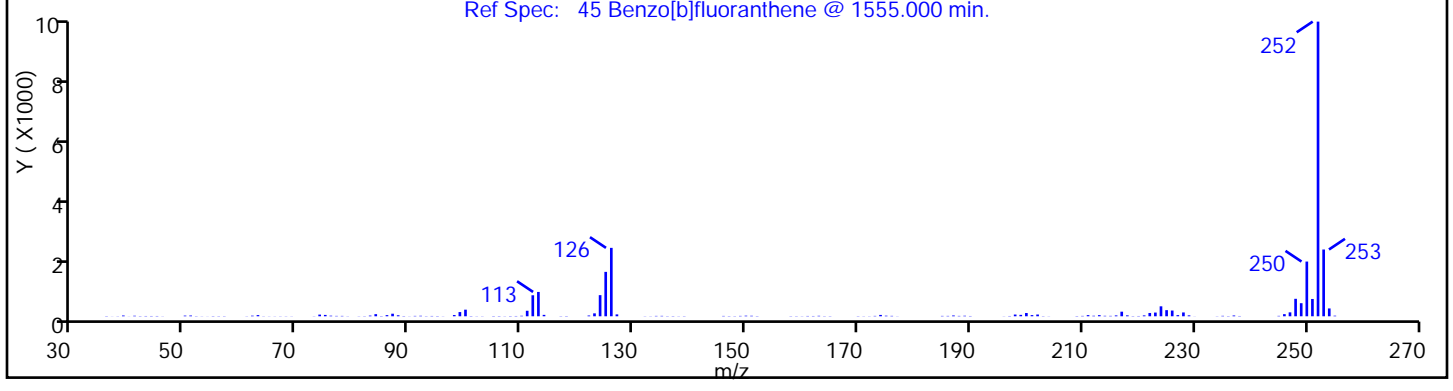
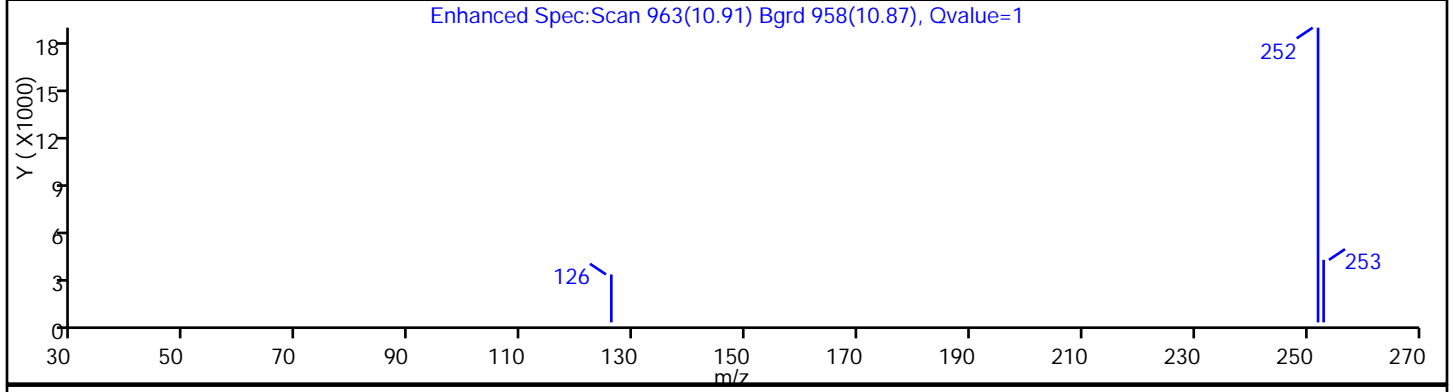
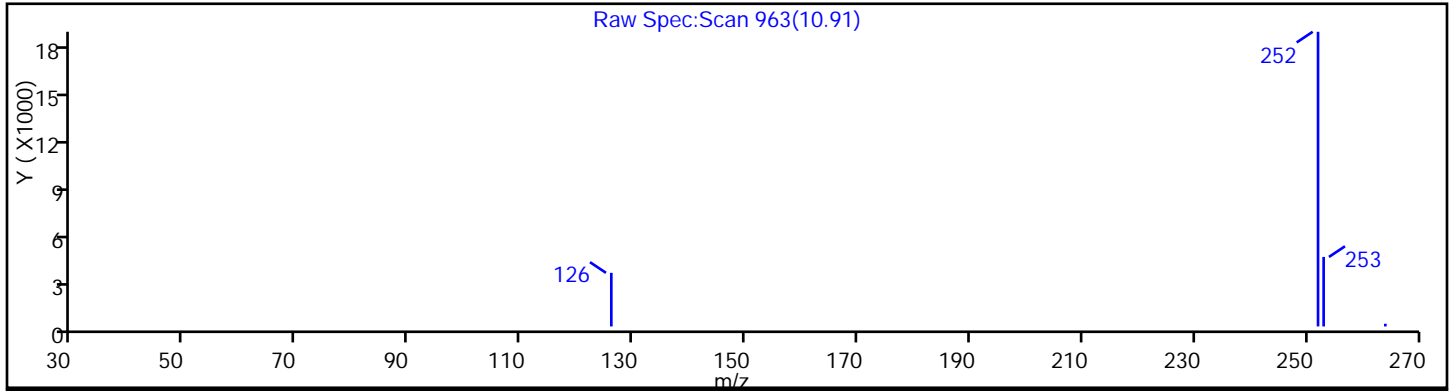
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:19:40

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D

Injection Date: 25-May-2012 13:39:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA01-COMP-120507

Instrument ID: TAC023

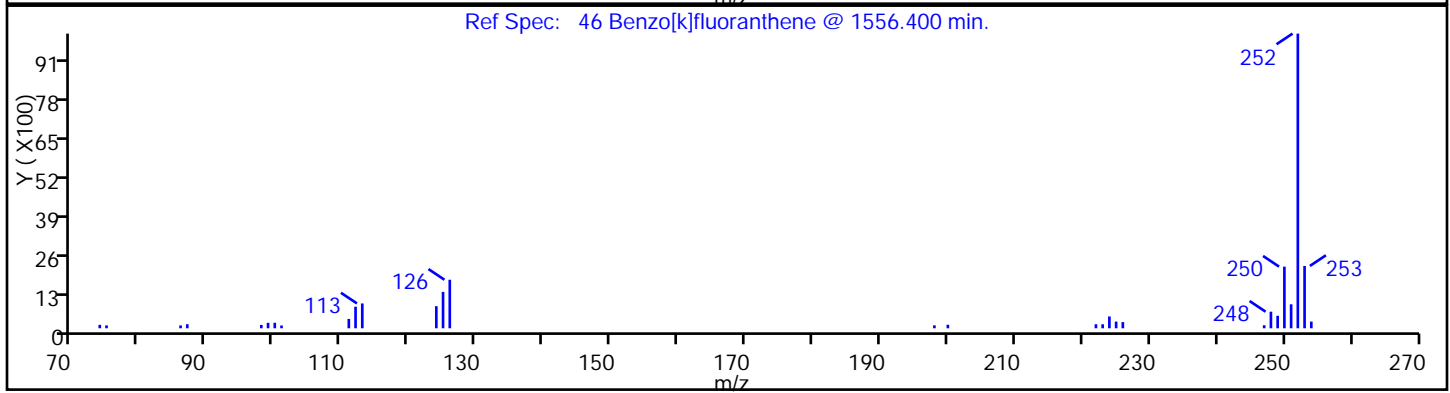
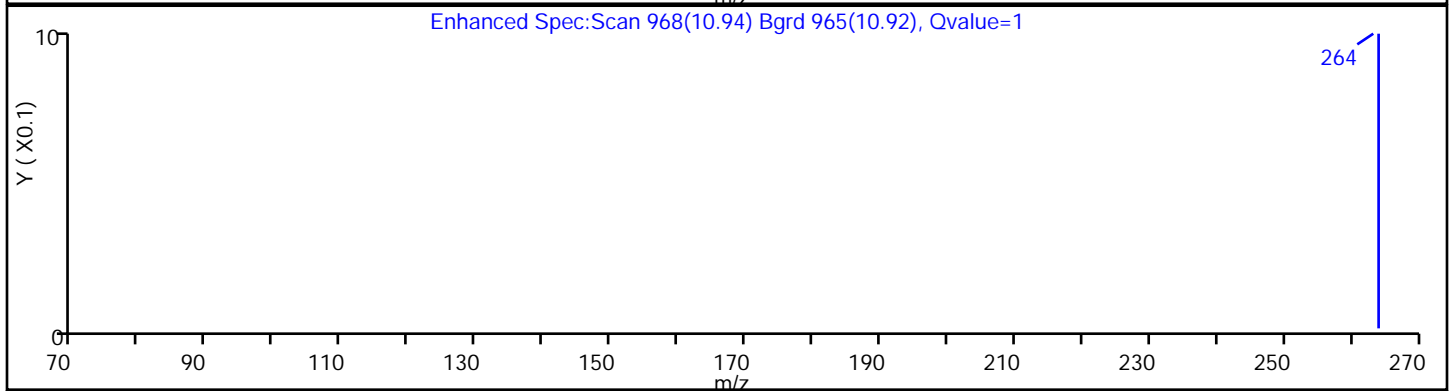
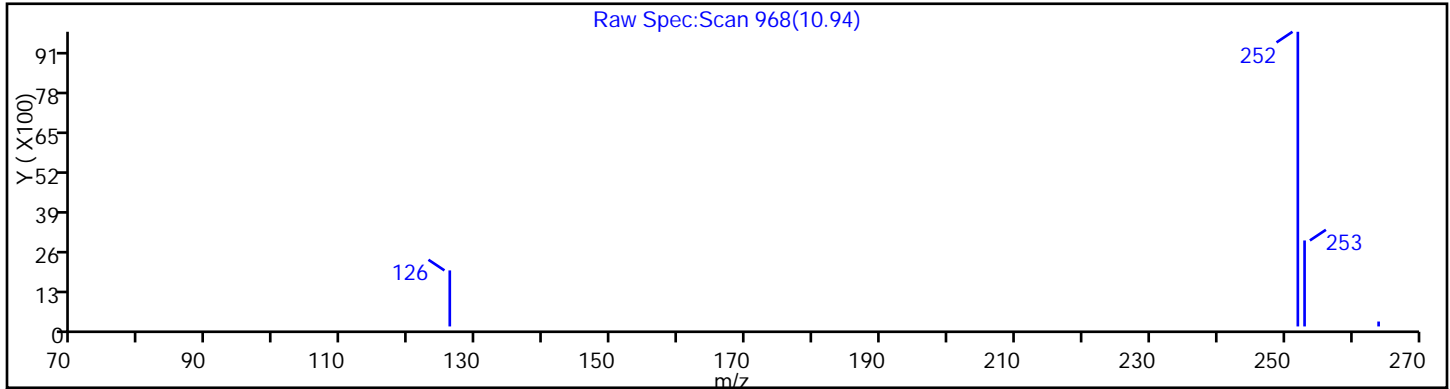
Lims Batch ID: 112072

Lims Sample ID: 8

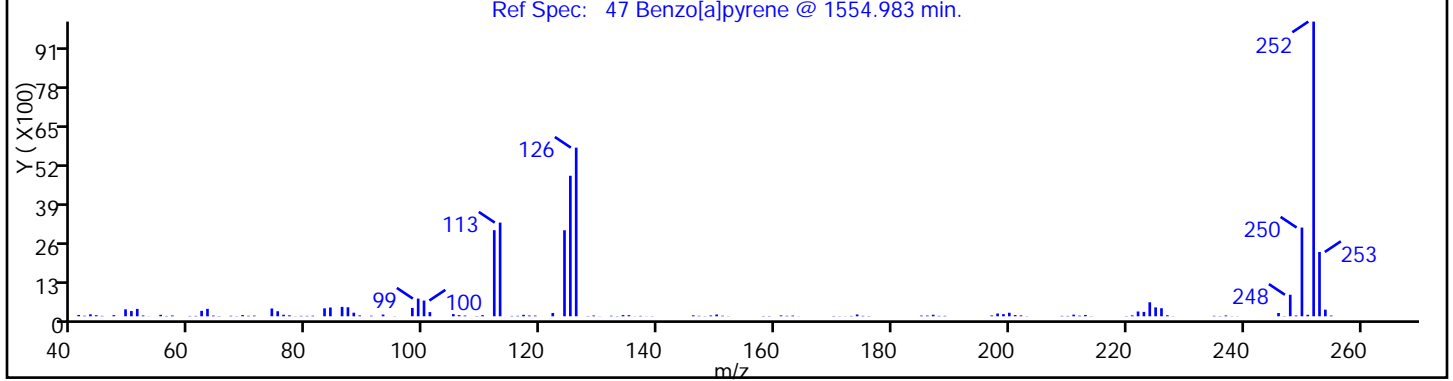
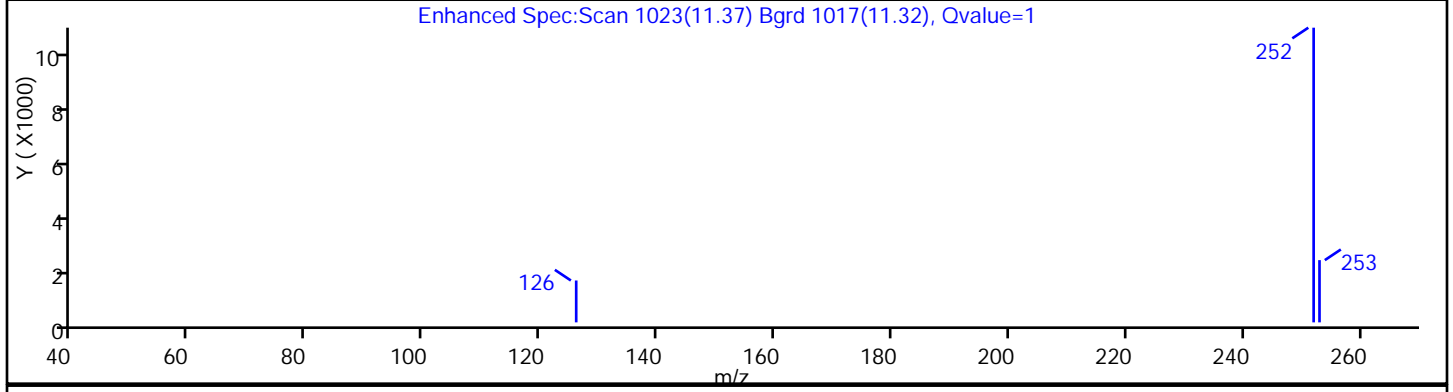
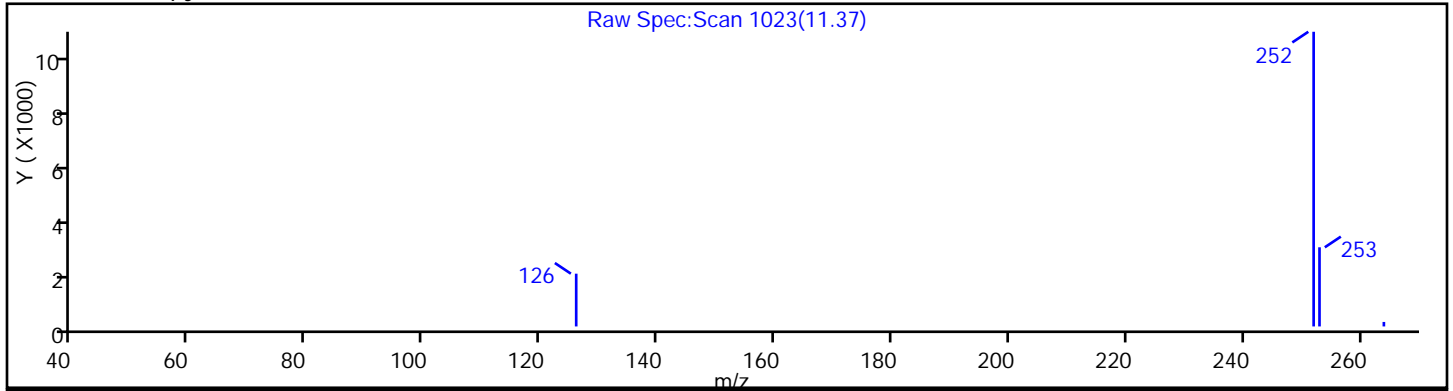
Operator ID: bat

Injection Vol: 1.00 ul

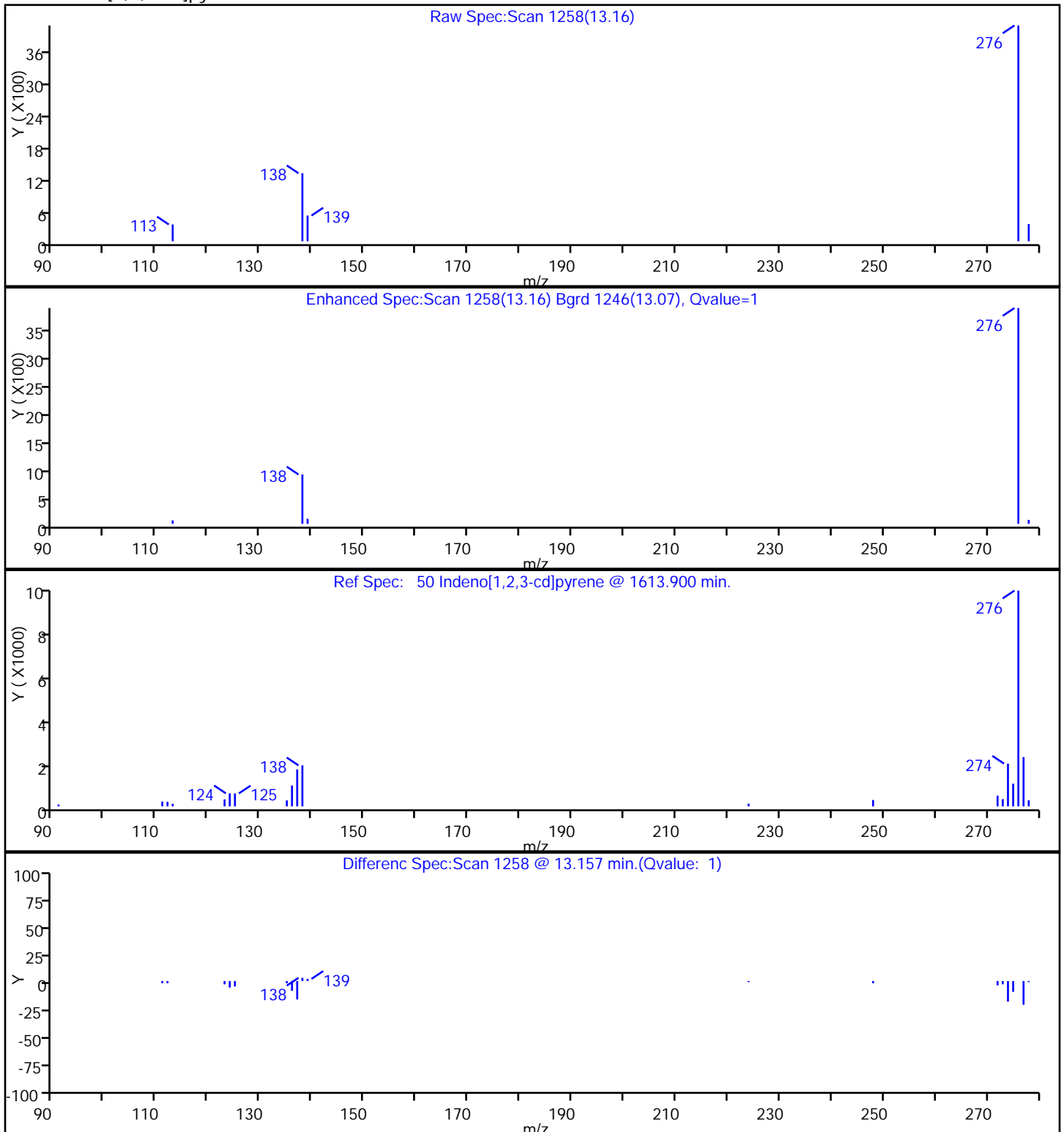
46 Benzo[k]fluoranthene



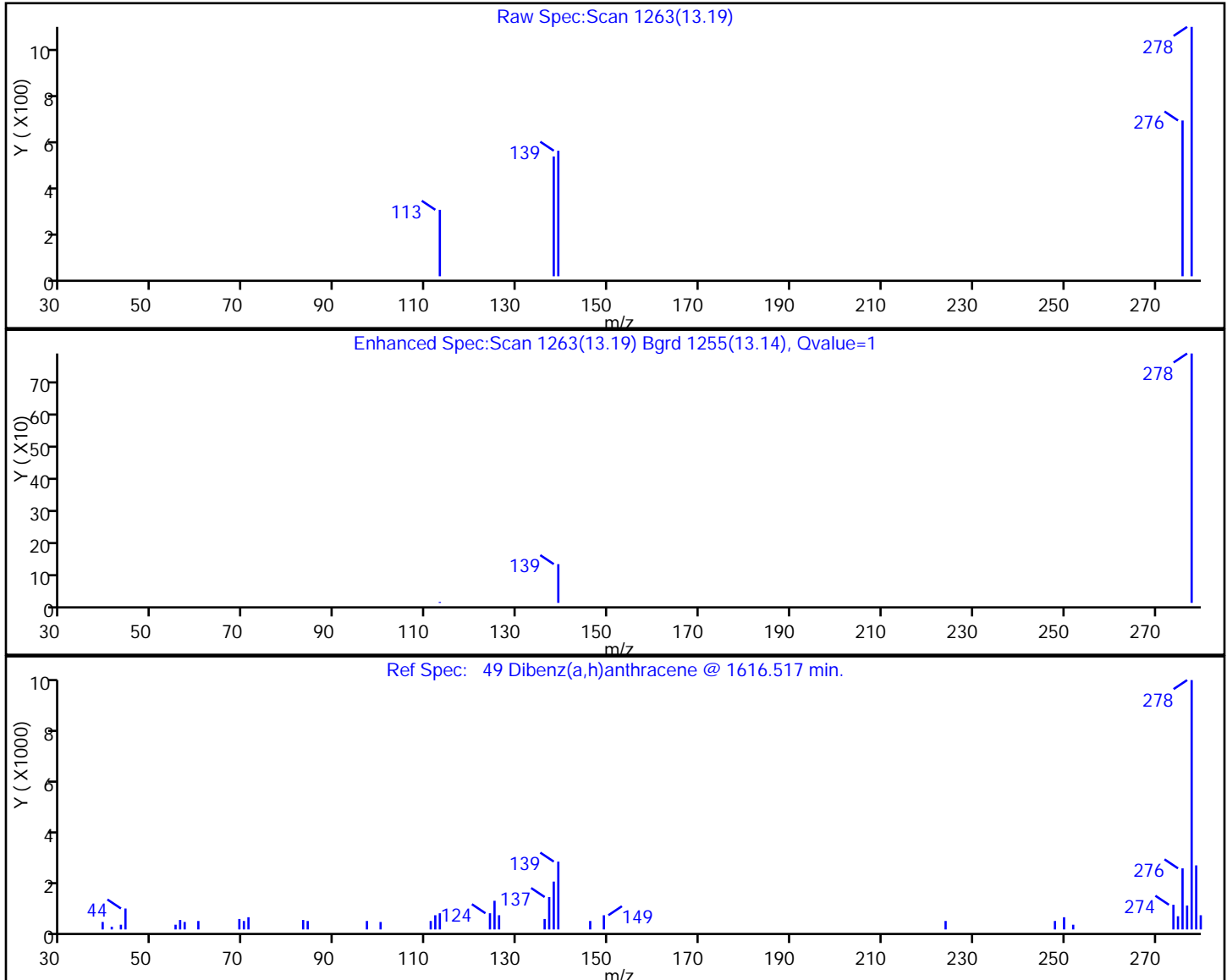
47 Benzo[a]pyrene



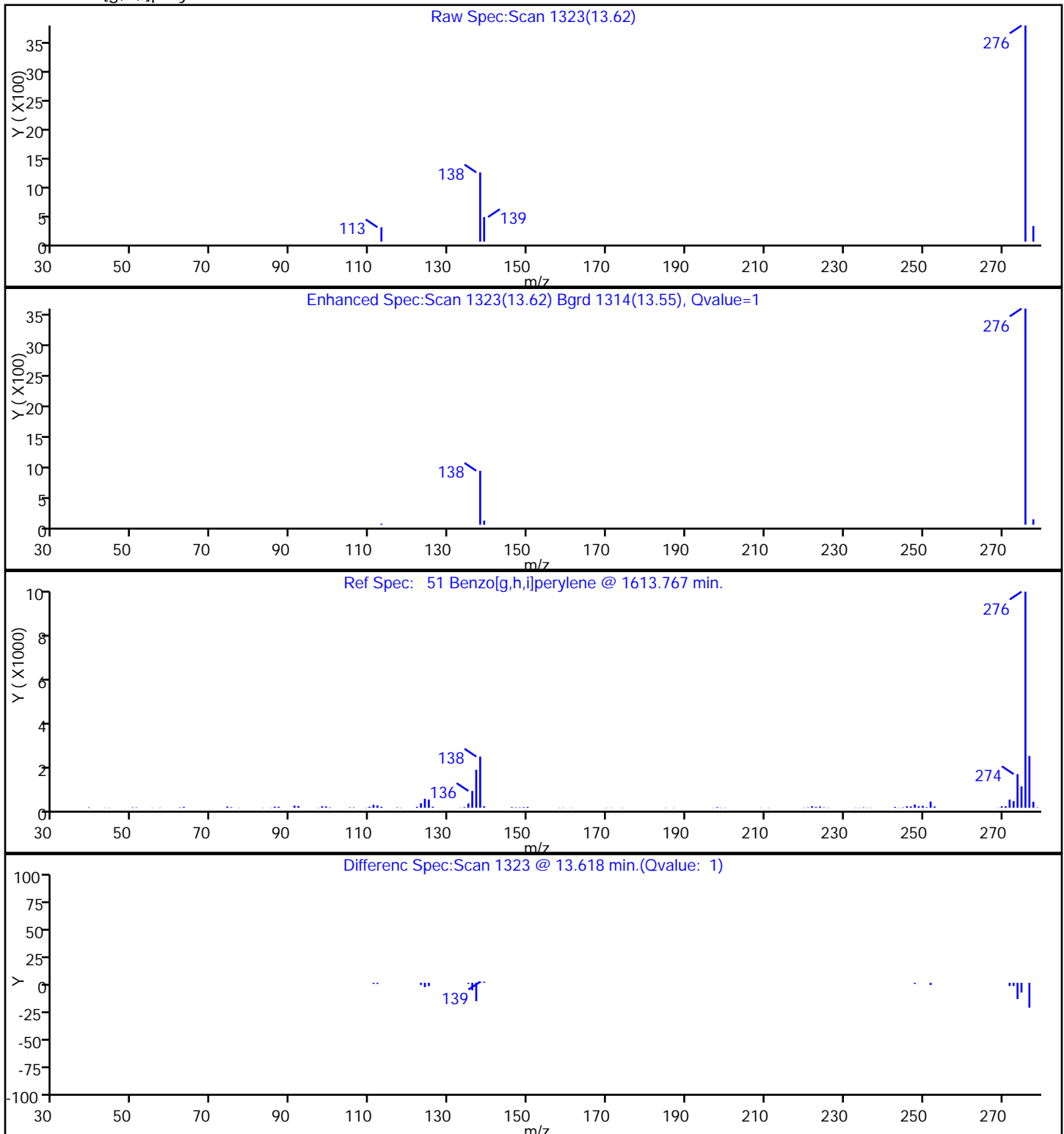
50 Indeno[1,2,3-cd]pyrene



49 Dibenzo(a,h)anthracene



51 Benzo[g,h,i]perylene

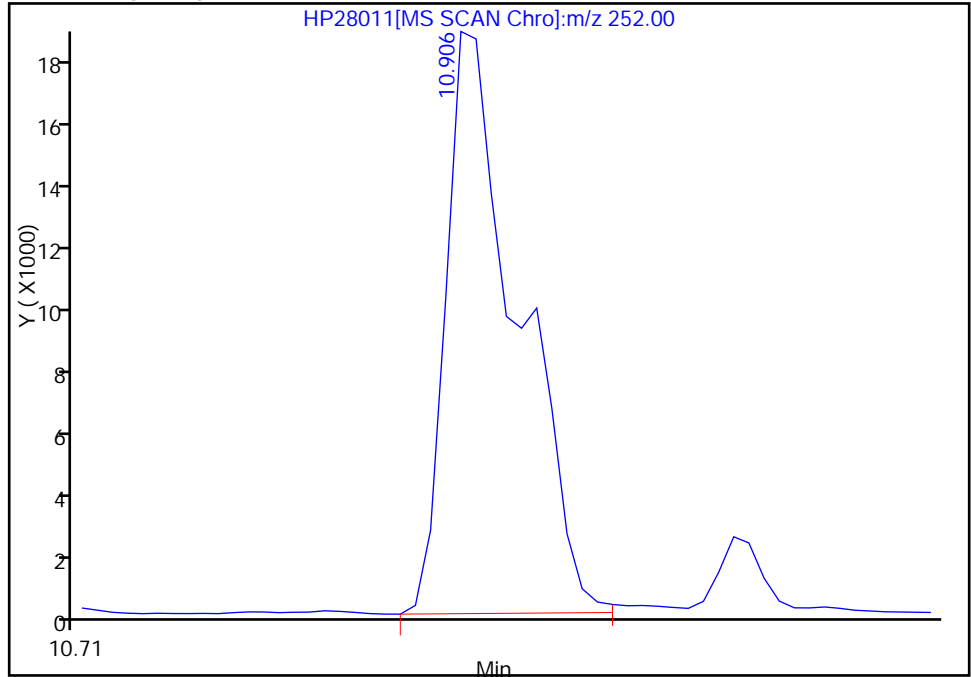


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D
Injection Date: 25-May-2012 13:39:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA01-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

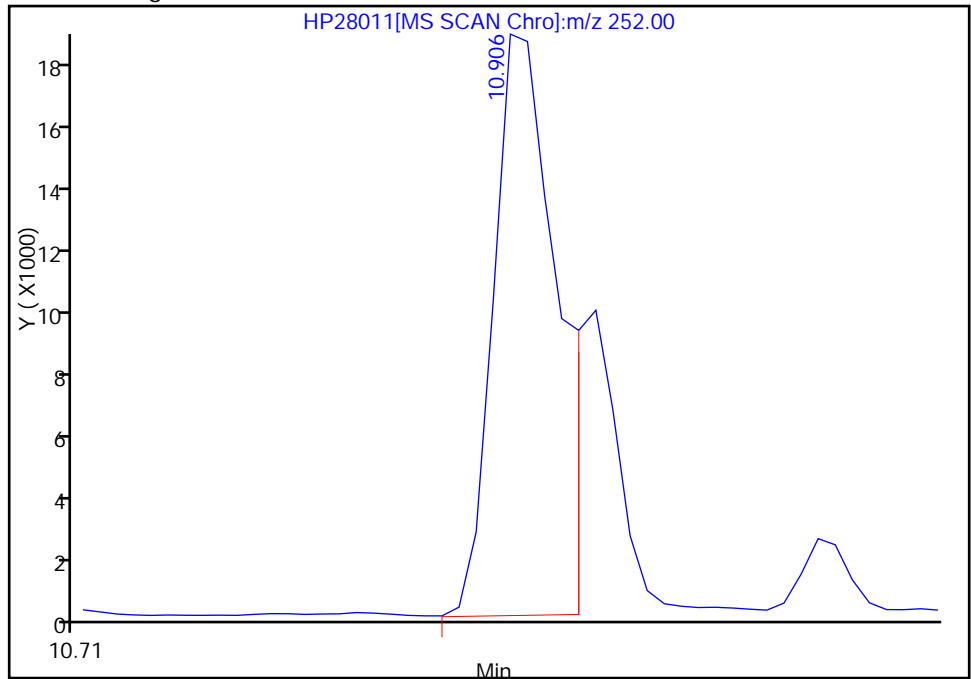
RT: 10.91
Response: 45619
Amount: 77.161388

Processing Integration Results



RT: 10.91
Response: 34648
Amount: 58.604699

Manual Integration Results



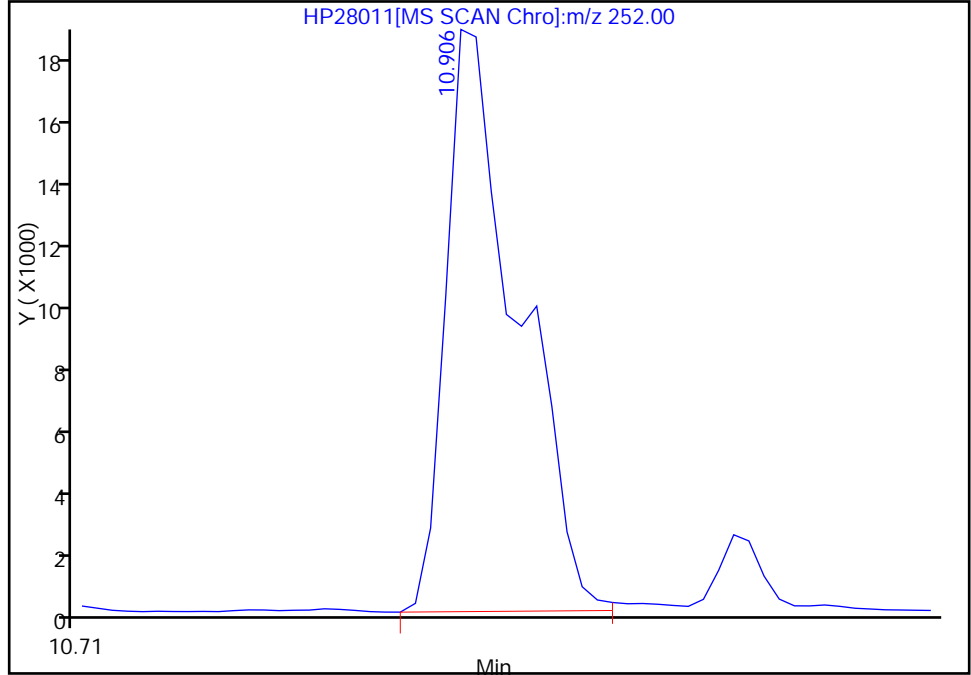
Reviewer: tadesseb, 25-May-2012 16:19:39
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D
Injection Date: 25-May-2012 13:39:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA01-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

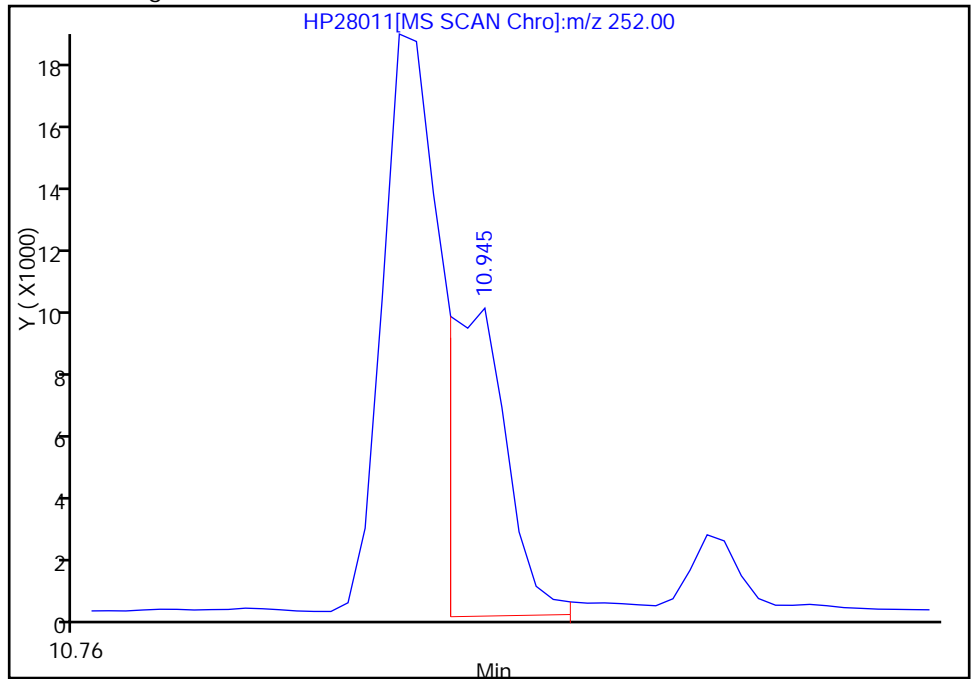
RT: 10.91
Response: 45619
Amount: 76.184871

Processing Integration Results



RT: 10.94
Response: 15688
Amount: 26.199352

Manual Integration Results



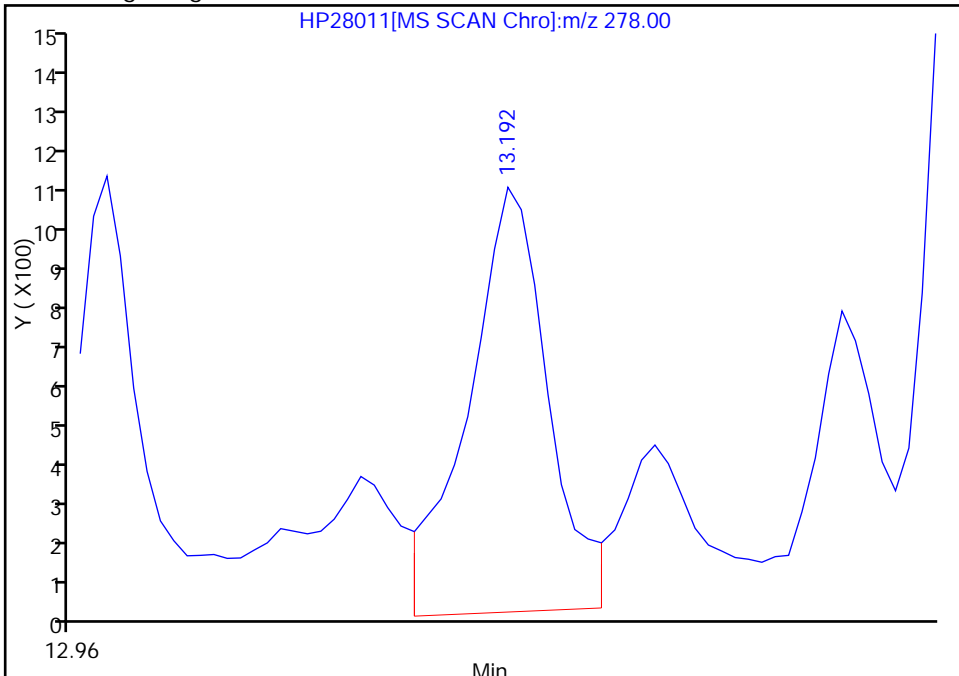
Reviewer: tadesseb, 25-May-2012 16:19:39
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28011.D
Injection Date: 25-May-2012 13:39:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA01-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

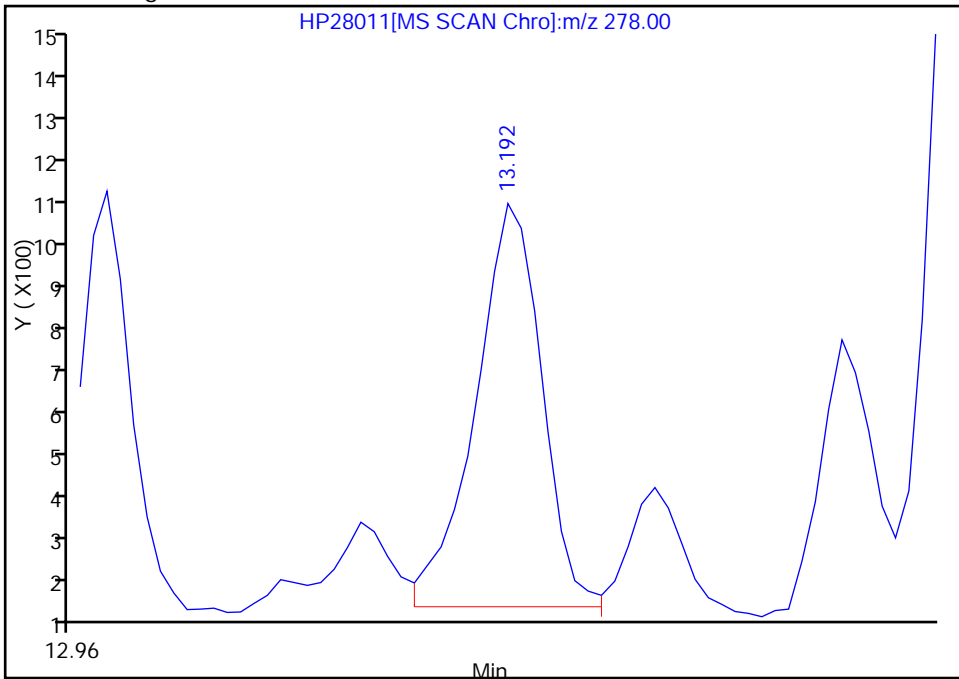
RT: 13.19
Response: 2885
Amount: 5.728216

Processing Integration Results



RT: 13.19
Response: 2071
Amount: 4.112005

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:19:39
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-EA09-COMP-120507 Lab Sample ID: 580-32803-53
 Matrix: Solid Lab File ID: HP28012.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 18:03
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.1528(g) Date Analyzed: 05/25/2012 14:01
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 42.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.71	J	0.86	0.34
91-57-6	2-Methylnaphthalene	ND		0.86	0.34
90-12-0	1-Methylnaphthalene	0.26	J	0.86	0.26
208-96-8	Acenaphthylene	0.62	J	0.86	0.26
83-32-9	Acenaphthene	ND		0.86	0.26
86-73-7	Fluorene	0.30	J	0.86	0.26
85-01-8	Phenanthrene	0.91		0.86	0.26
120-12-7	Anthracene	0.59	J	0.86	0.26
206-44-0	Fluoranthene	2.8		0.86	0.26
129-00-0	Pyrene	2.4		0.86	0.26
56-55-3	Benzo[a]anthracene	1.5		0.86	0.26
218-01-9	Chrysene	2.5		0.86	0.26
205-99-2	Benzo[b]fluoranthene	2.1		0.86	0.26
207-08-9	Benzo[k]fluoranthene	0.89		0.86	0.26
50-32-8	Benzo[a]pyrene	1.6		0.86	0.26
193-39-5	Indeno[1,2,3-cd]pyrene	1.0		0.86	0.26
53-70-3	Dibenz(a,h)anthracene	ND		0.86	0.26
191-24-2	Benzo[g,h,i]perylene	0.88		0.86	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	71		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D
 Lims ID: 580-32803-E-53-A Client ID: JW-EA09-COMP-120507
 Inject. Date: 25-May-2012 14:01:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-e-53-a
 Misc. Info.: 580-0023449-009 =580-0023449-009
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 112072 Lims Sample ID: 9
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:20:55

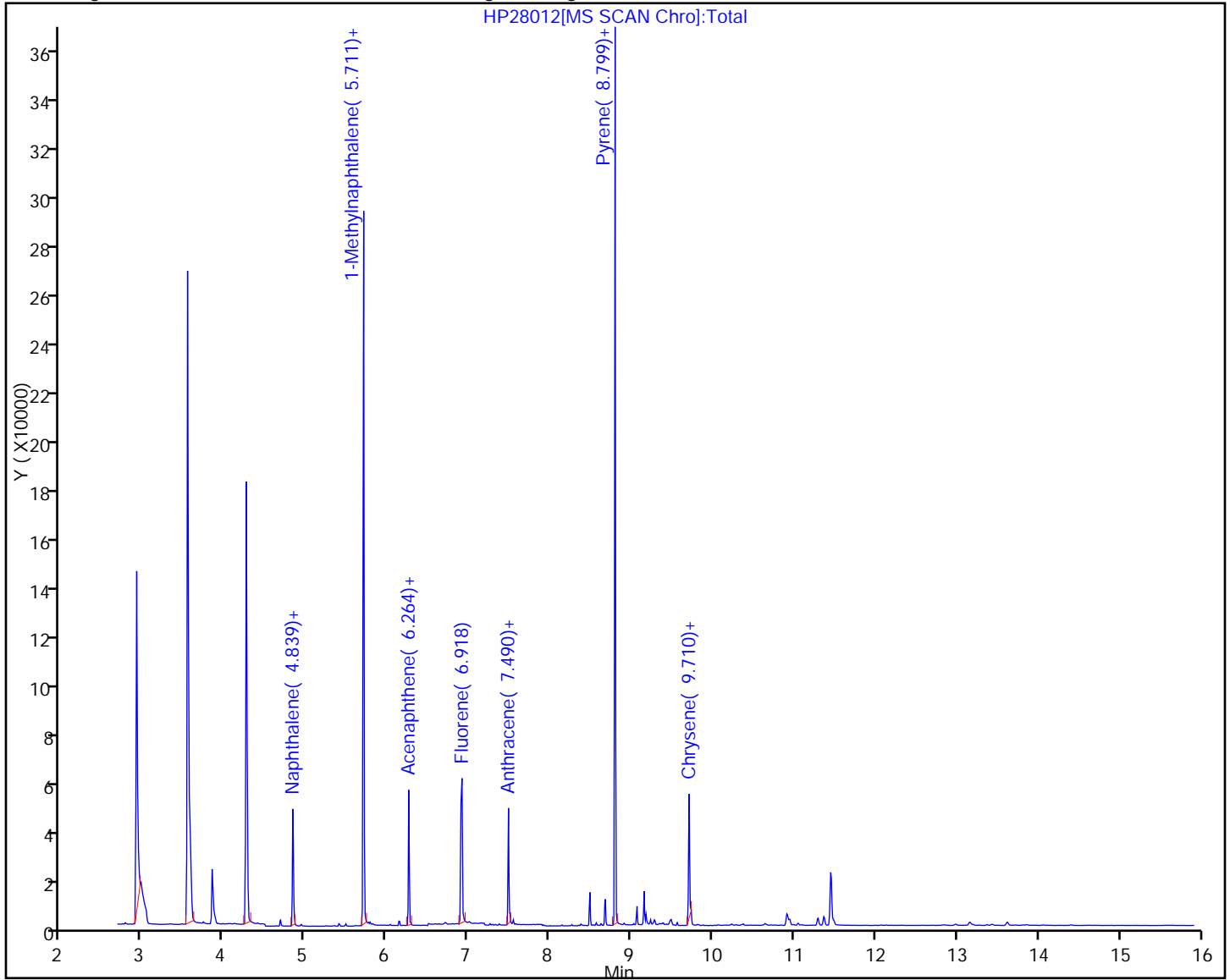
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	15772	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	41200	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	22899	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	35544	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	39684	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	33662	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	104494	770.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	177507	514.4	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	273402	710.7	
26 Naphthalene	128	4.860	4.860	0.0	1	1916	4.14	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	473	1.75	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	414	1.52	
31 Acenaphthylene	152	6.151	6.143	0.008	1	1533	3.60	
29 Acenaphthene	153	6.290	6.289	0.001	3	310	1.08	
32 Fluorene	166	6.712	6.712	0.0	1	527	1.77	
37 Phenanthrene	178	7.510	7.510	0.0	1	2361	5.30	
38 Anthracene	178	7.550	7.550	0.0	1	1519	3.46	
42 Fluoranthene	202	8.490	8.490	0.0	1	7999	16.3	
41 Pyrene	202	8.681	8.680	0.001	41	7140	14.0	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	3842	8.62	
43 Chrysene	228	9.735	9.729	0.006	1	6775	14.6	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	5779	12.3	M
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	2486	5.21	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	3868	9.20	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	2228	5.85	M
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	2141	5.14	

QC Flag Legend

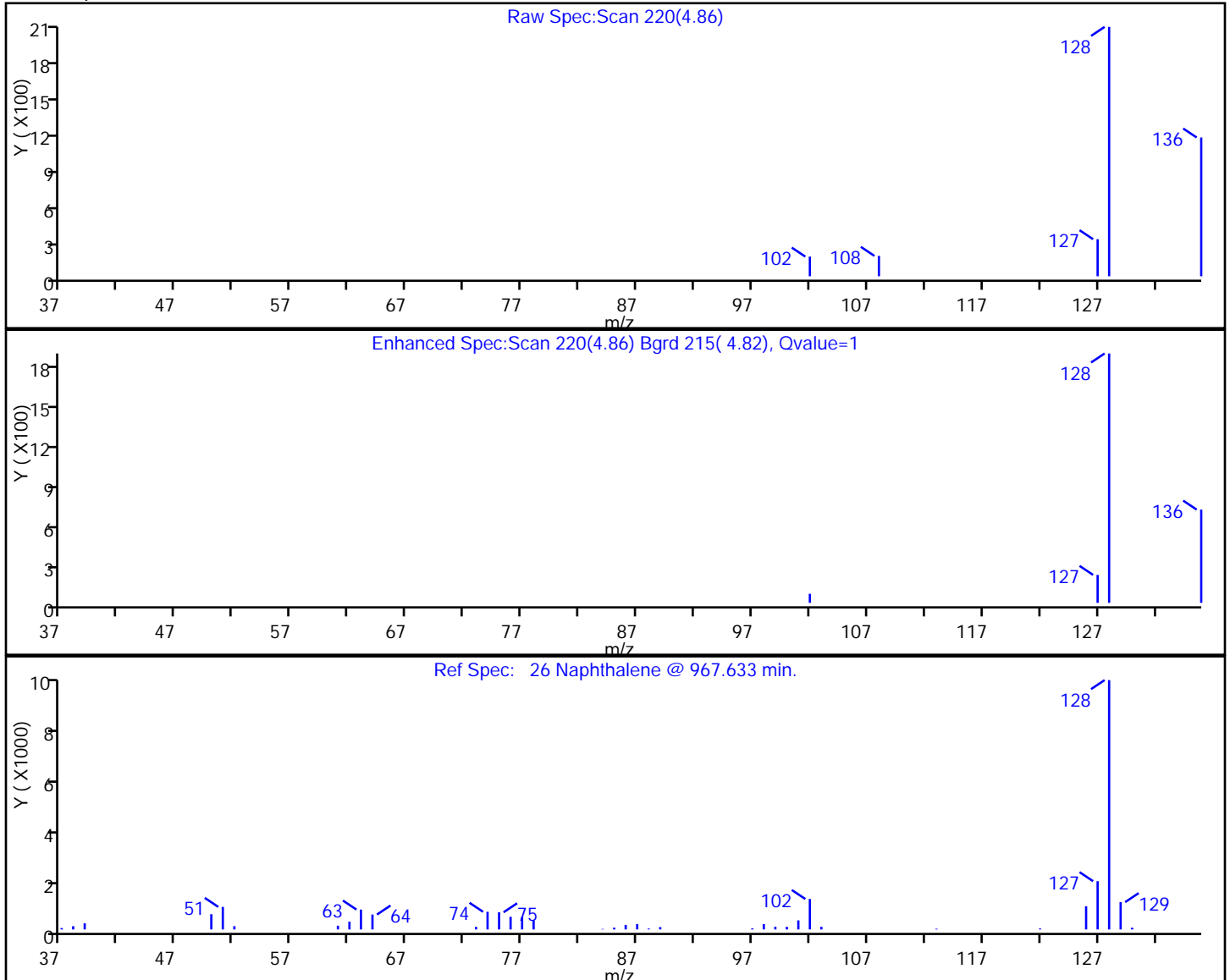
Review Flags

M - Manually Integrated

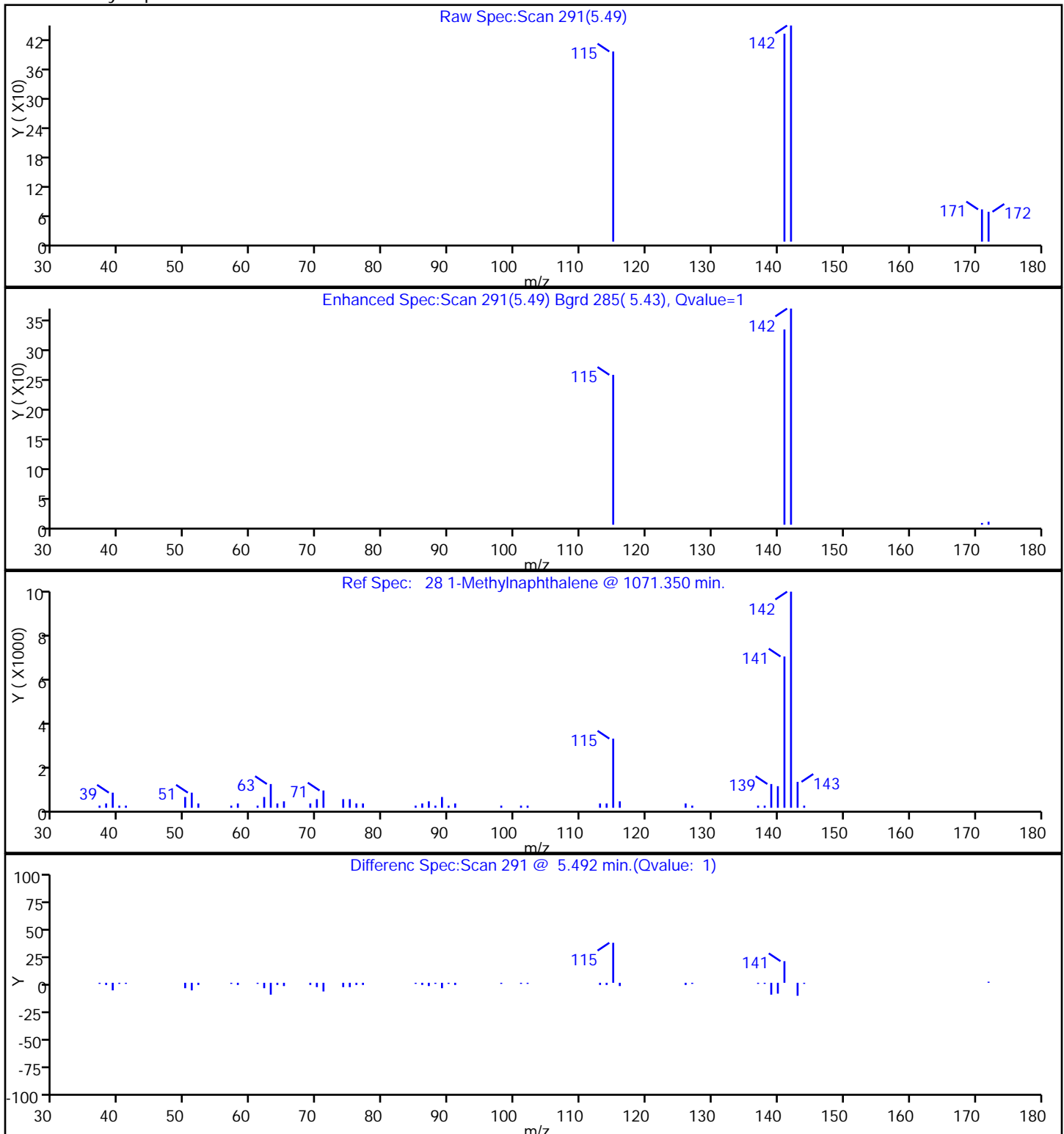
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



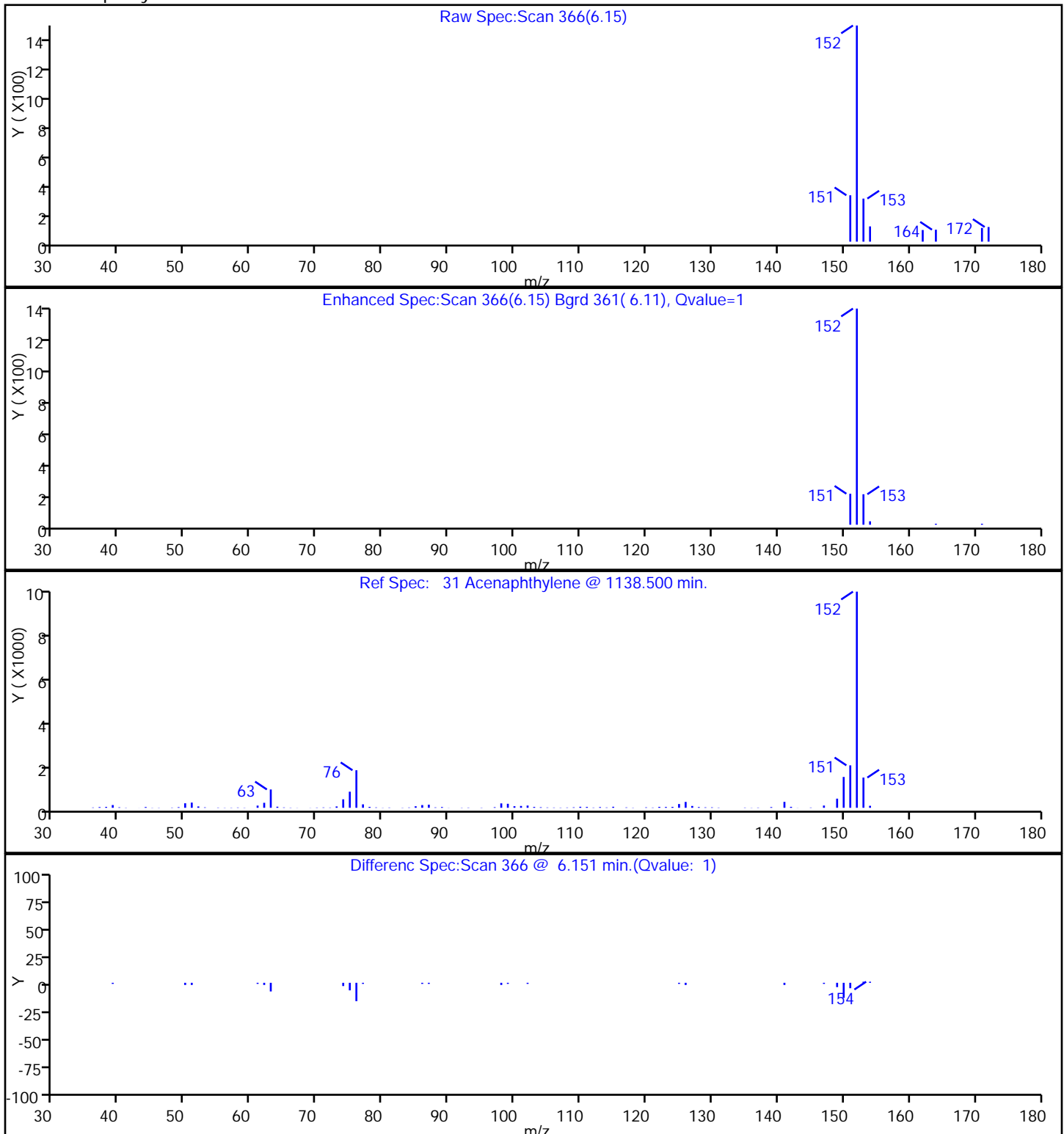
26 Naphthalene



28 1-Methylnaphthalene



31 Acenaphthylene



Report Date: 25-May-2012 16:20:55

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D

Injection Date: 25-May-2012 14:01:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

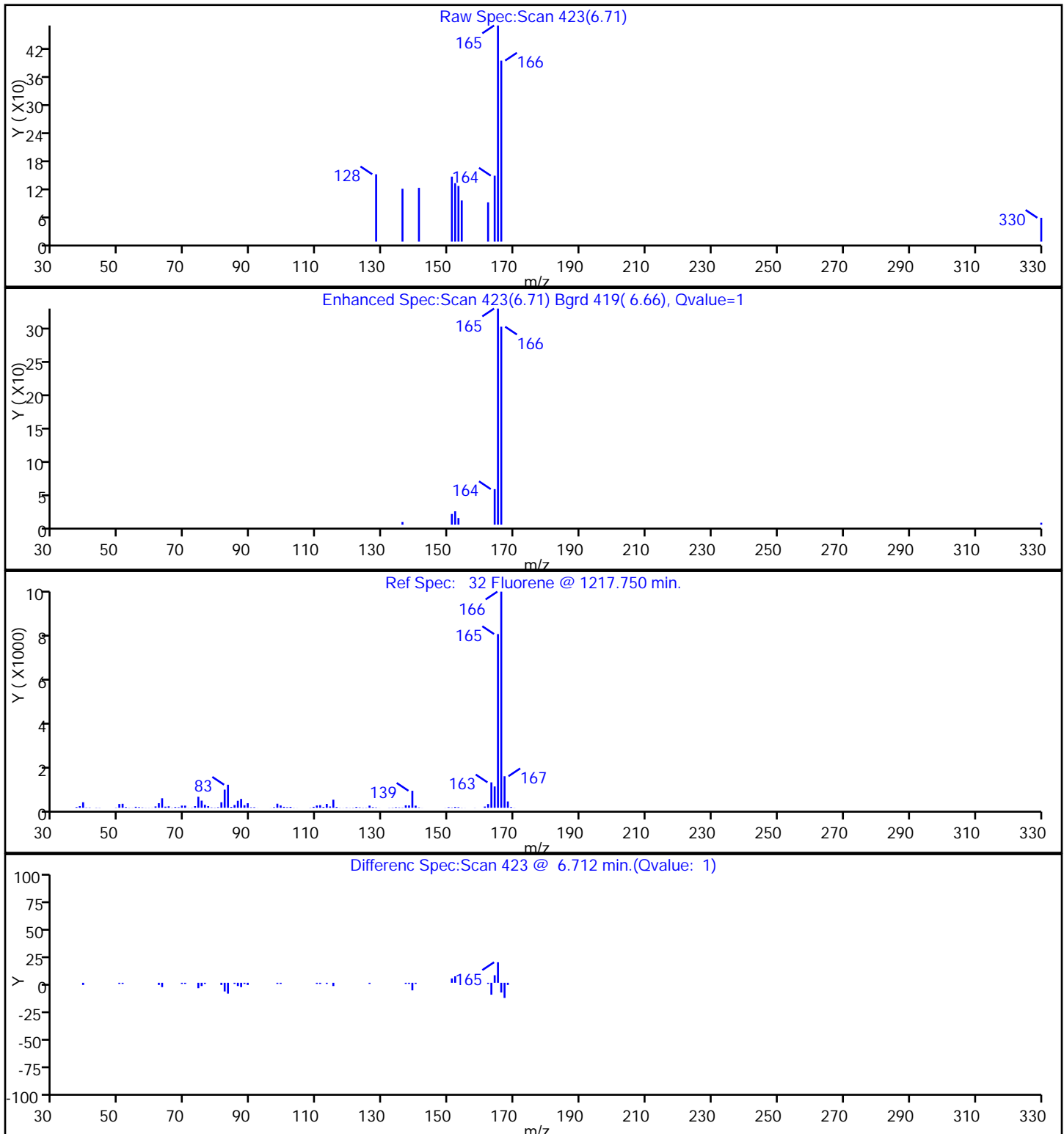
Lims Batch ID: 112072

Lims Sample ID: 9

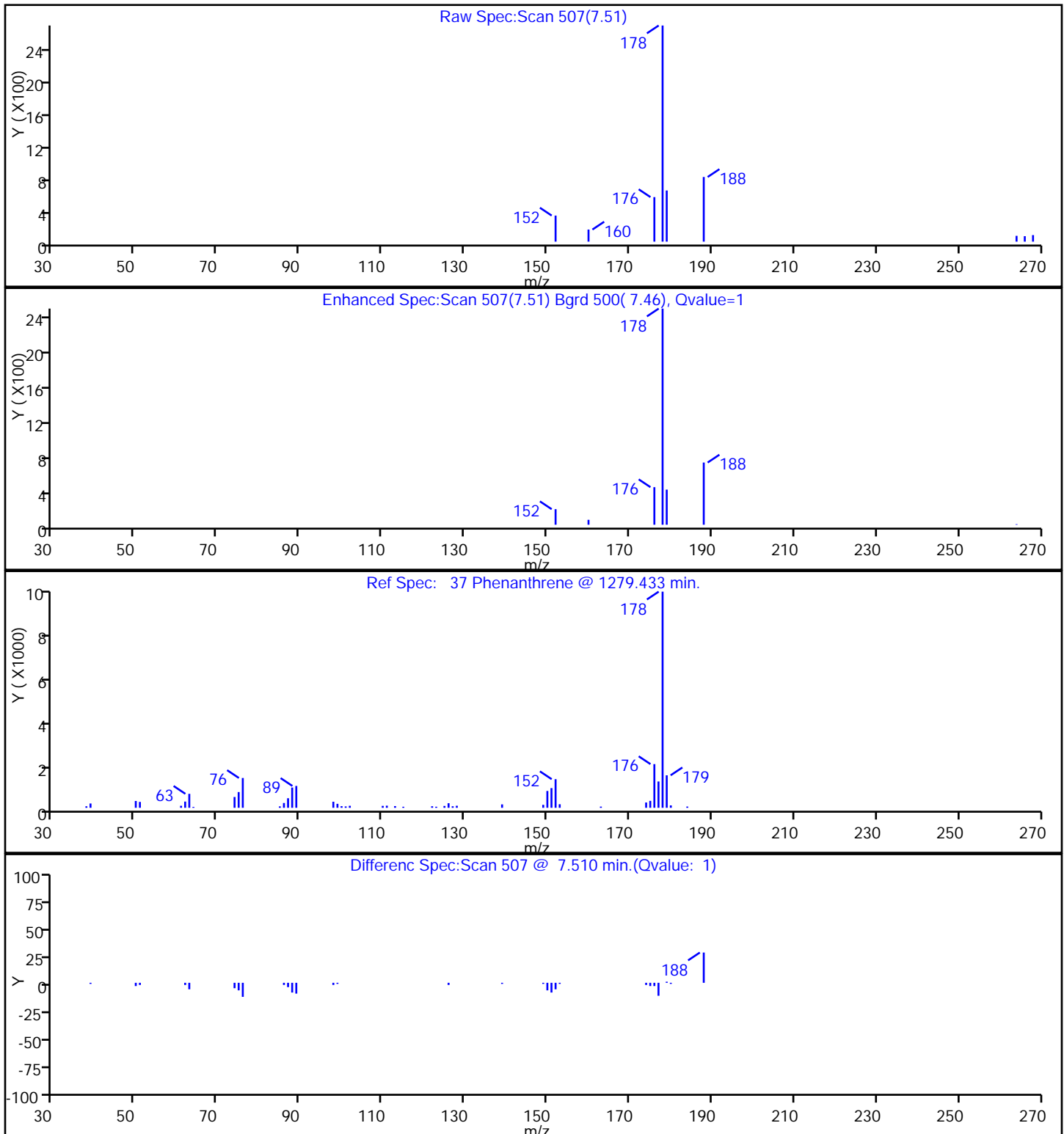
Operator ID: bat

Injection Vol: 1.00 ul

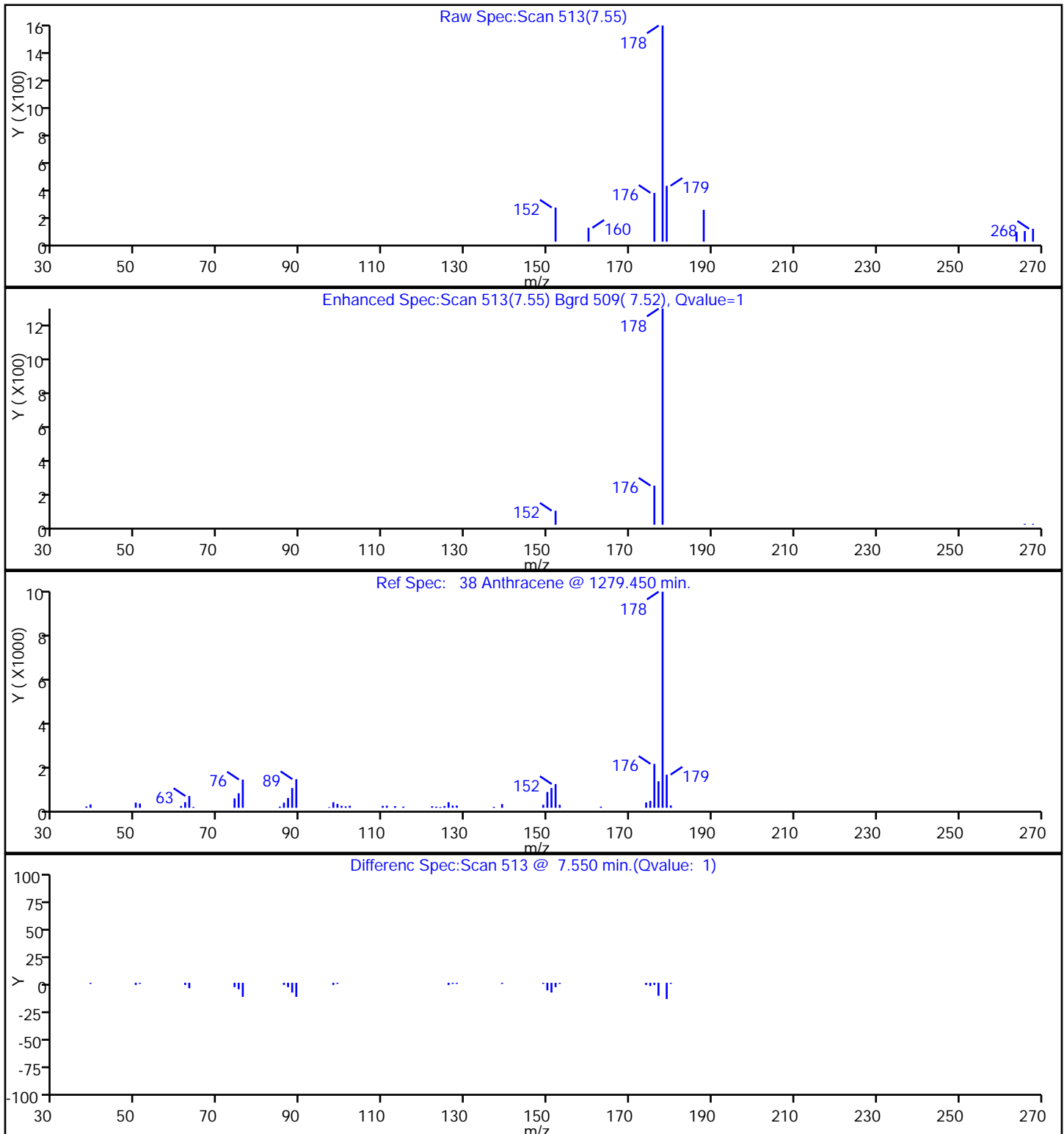
32 Fluorene



37 Phenanthrene



38 Anthracene



Report Date: 25-May-2012 16:20:55

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D

Injection Date: 25-May-2012 14:01:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

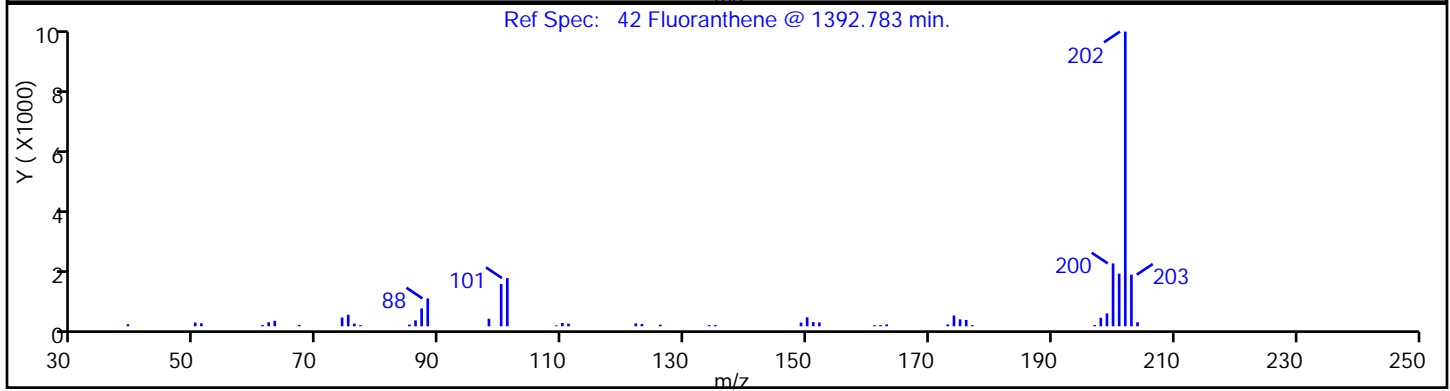
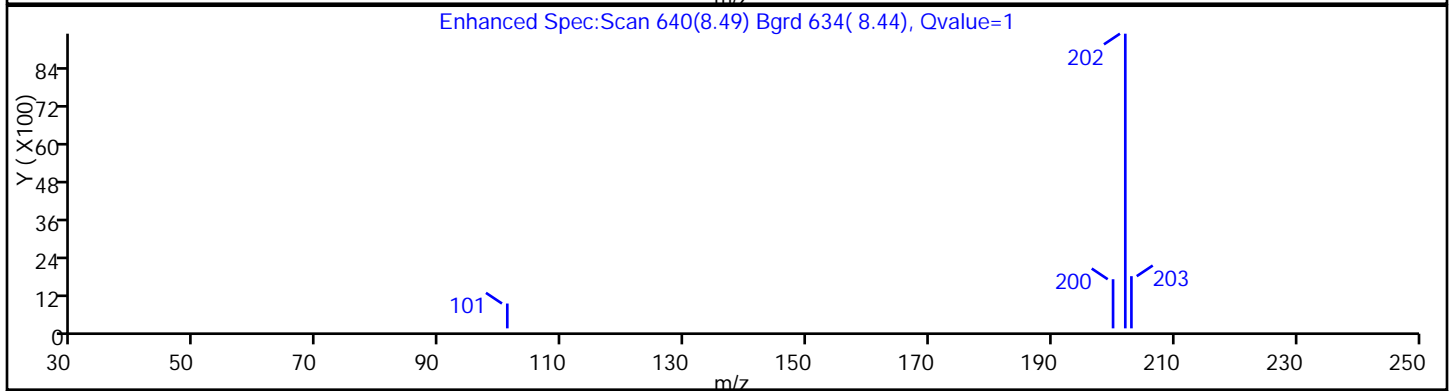
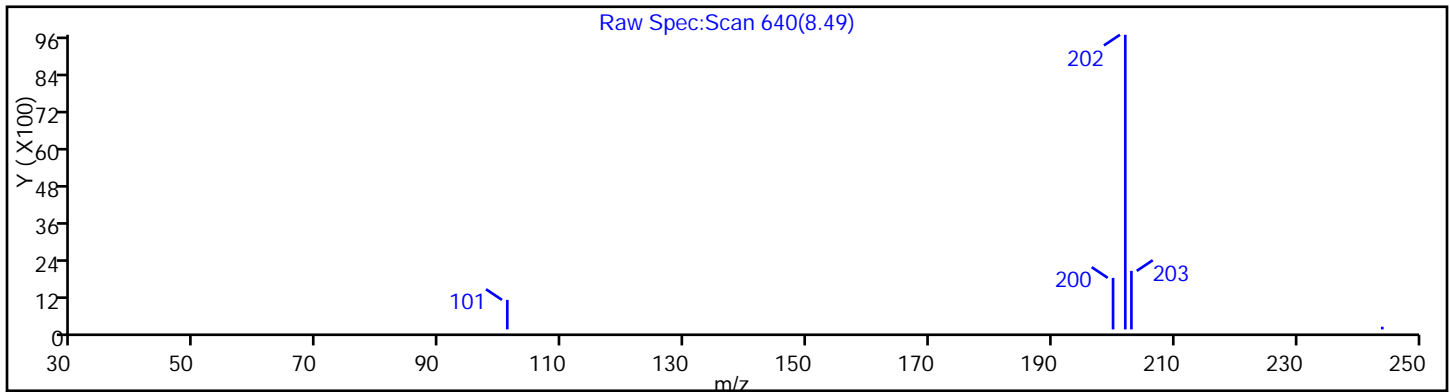
Lims Batch ID: 112072

Lims Sample ID: 9

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:20:55

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D

Injection Date: 25-May-2012 14:01:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

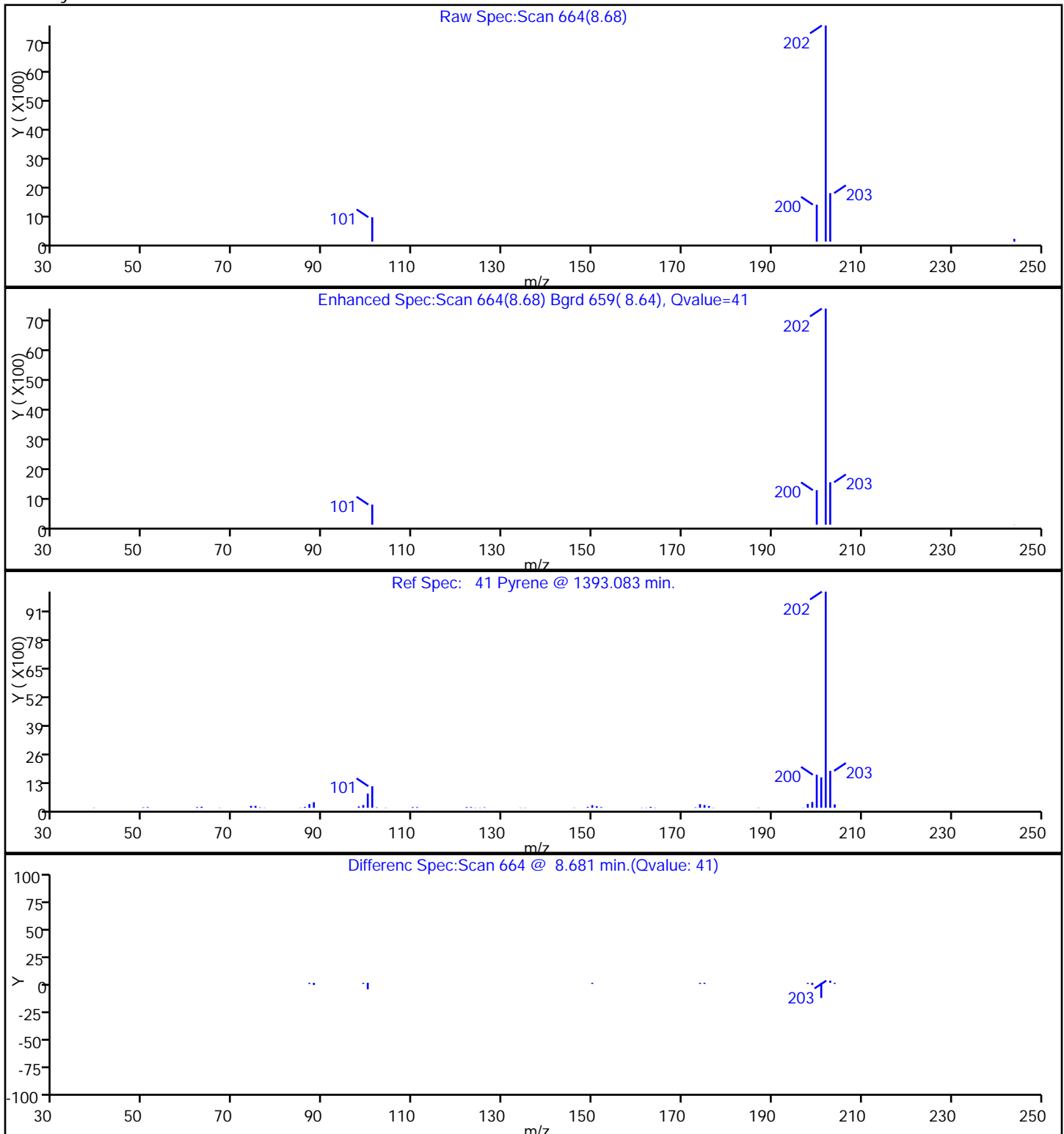
Lims Batch ID: 112072

Lims Sample ID: 9

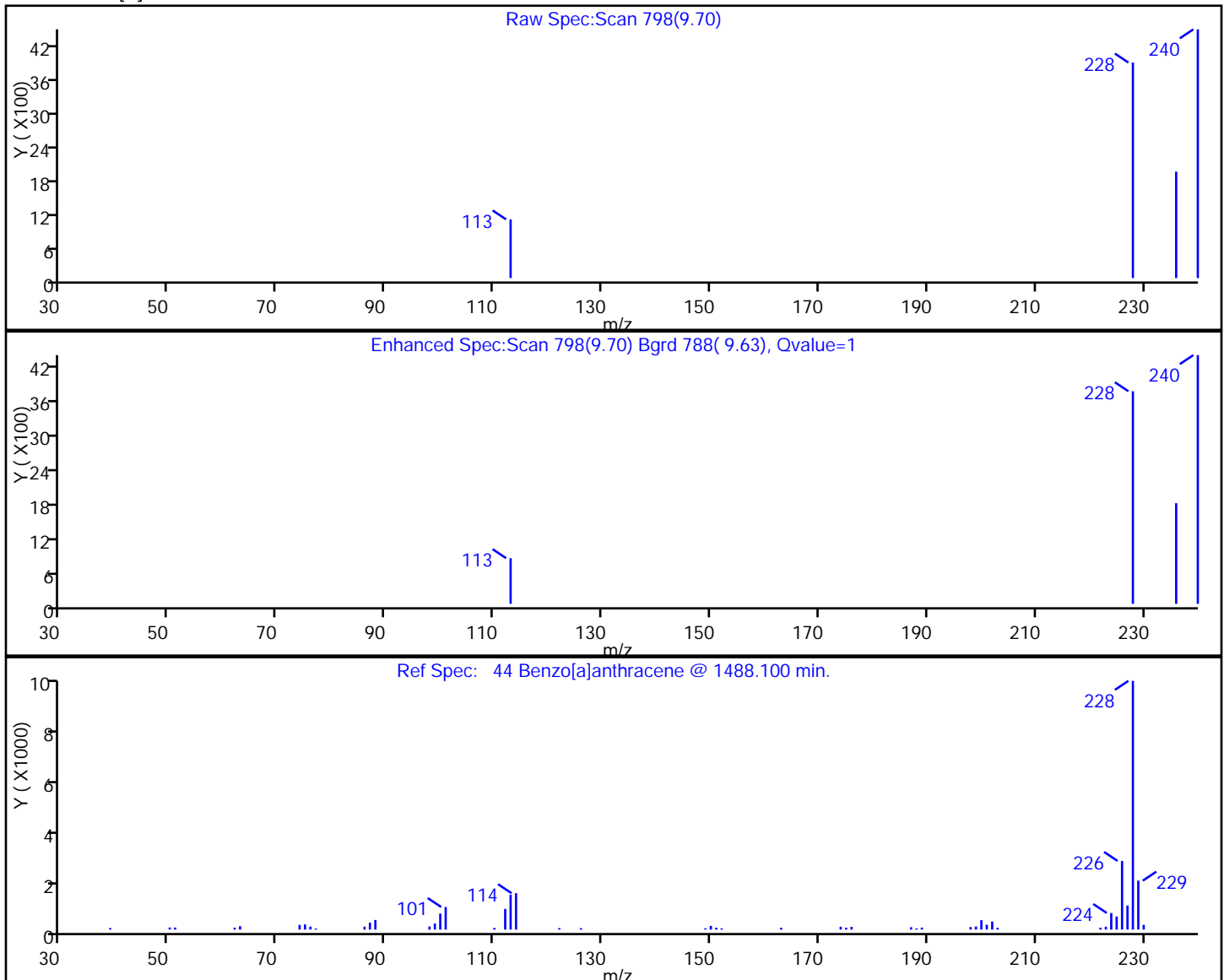
Operator ID: bat

Injection Vol: 1.00 ul

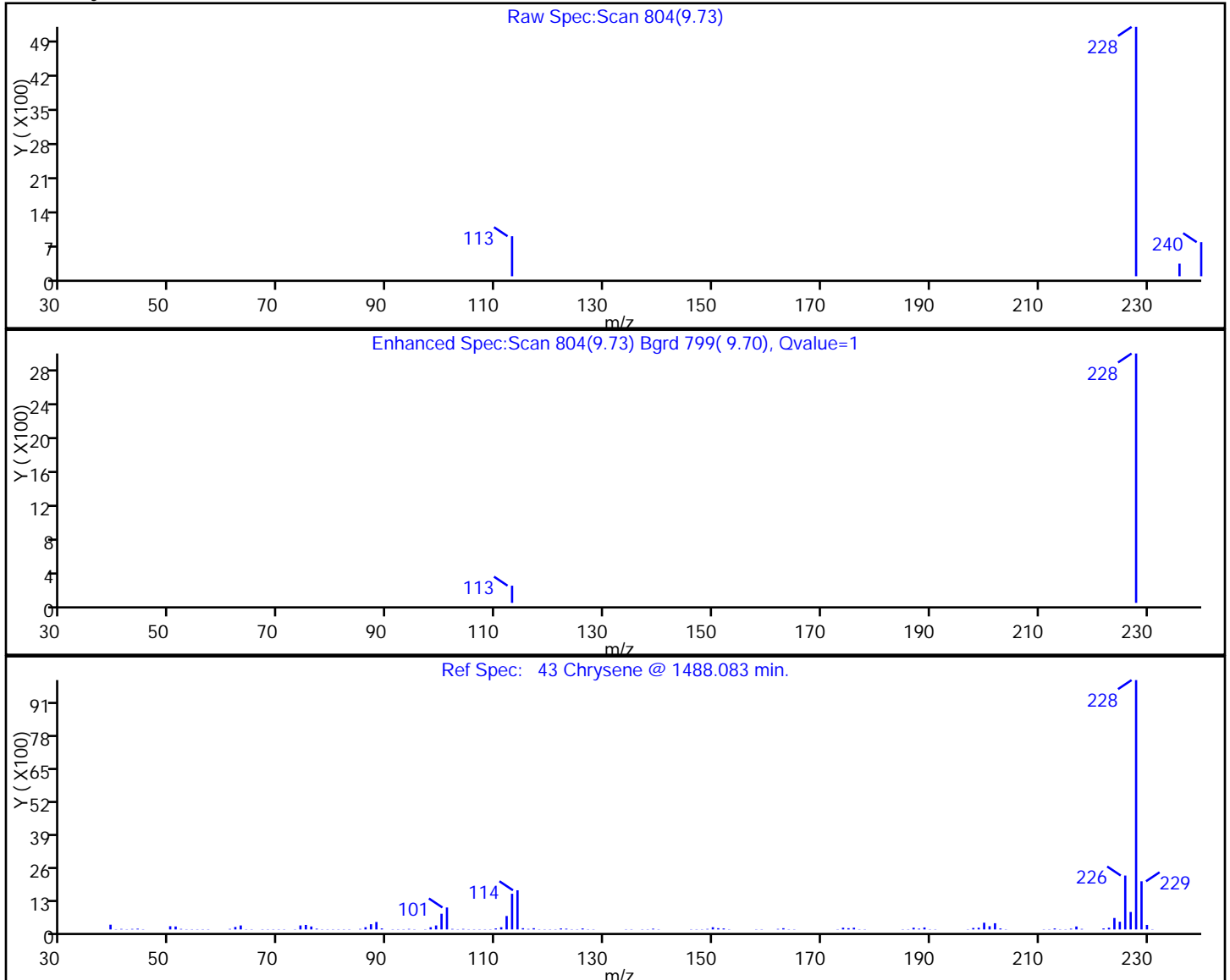
41 Pyrene



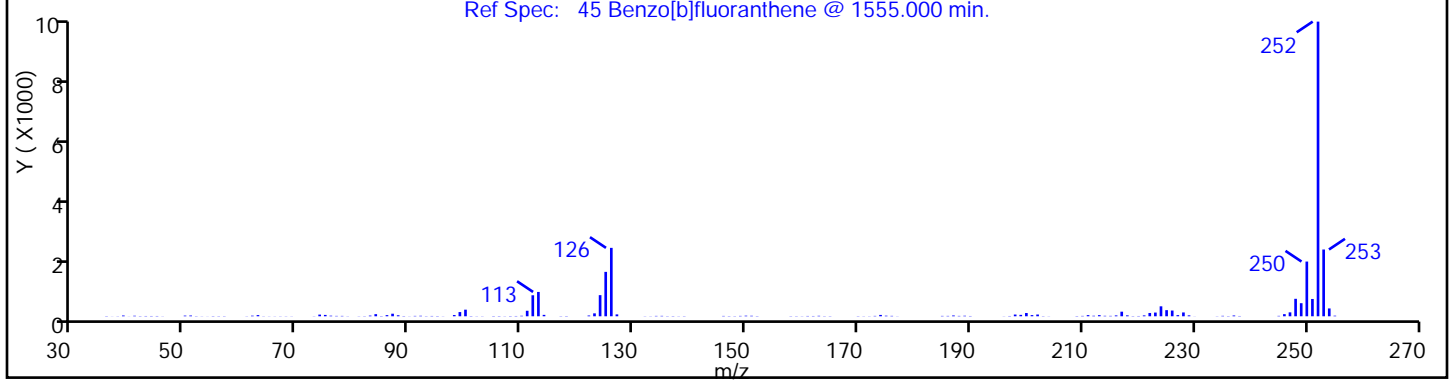
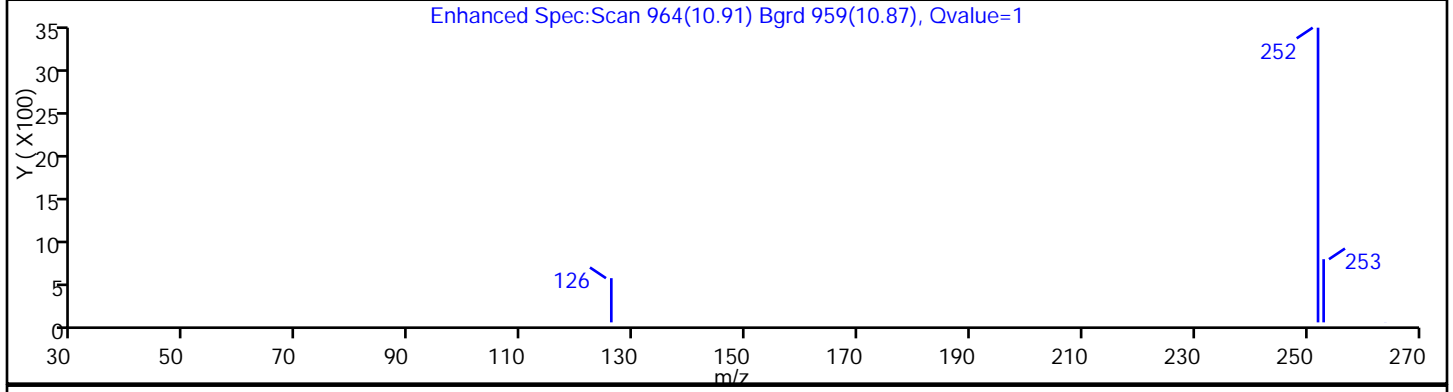
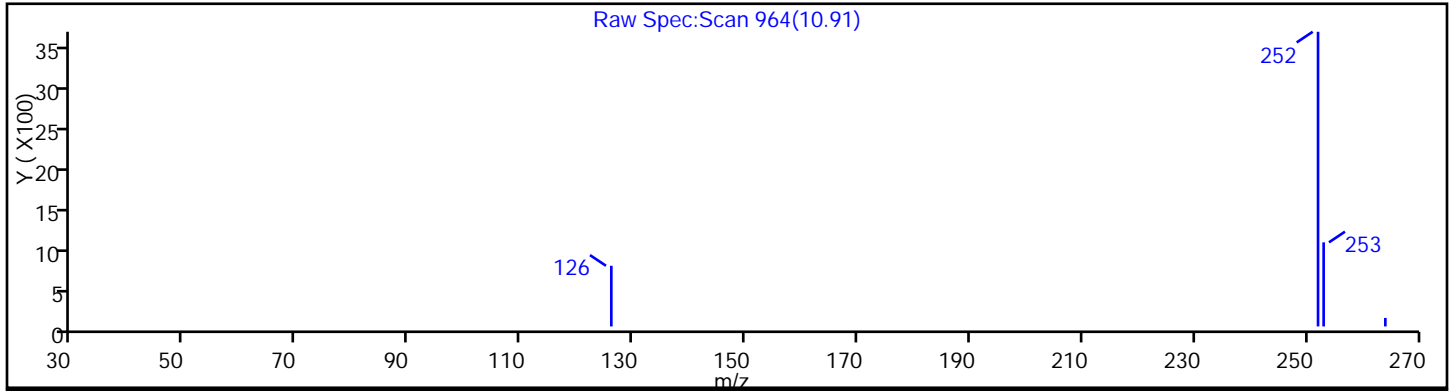
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:20:55

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D

Injection Date: 25-May-2012 14:01:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

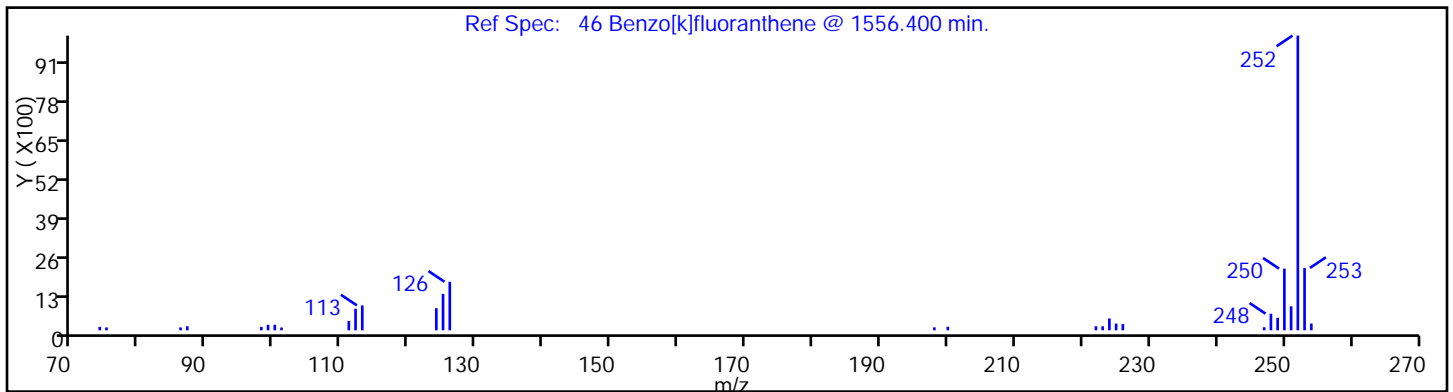
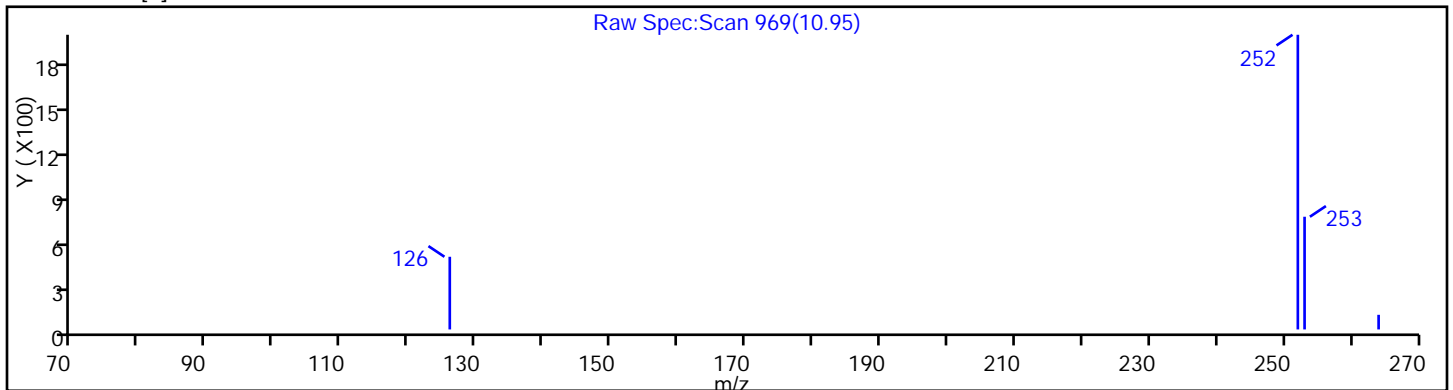
Lims Batch ID: 112072

Lims Sample ID: 9

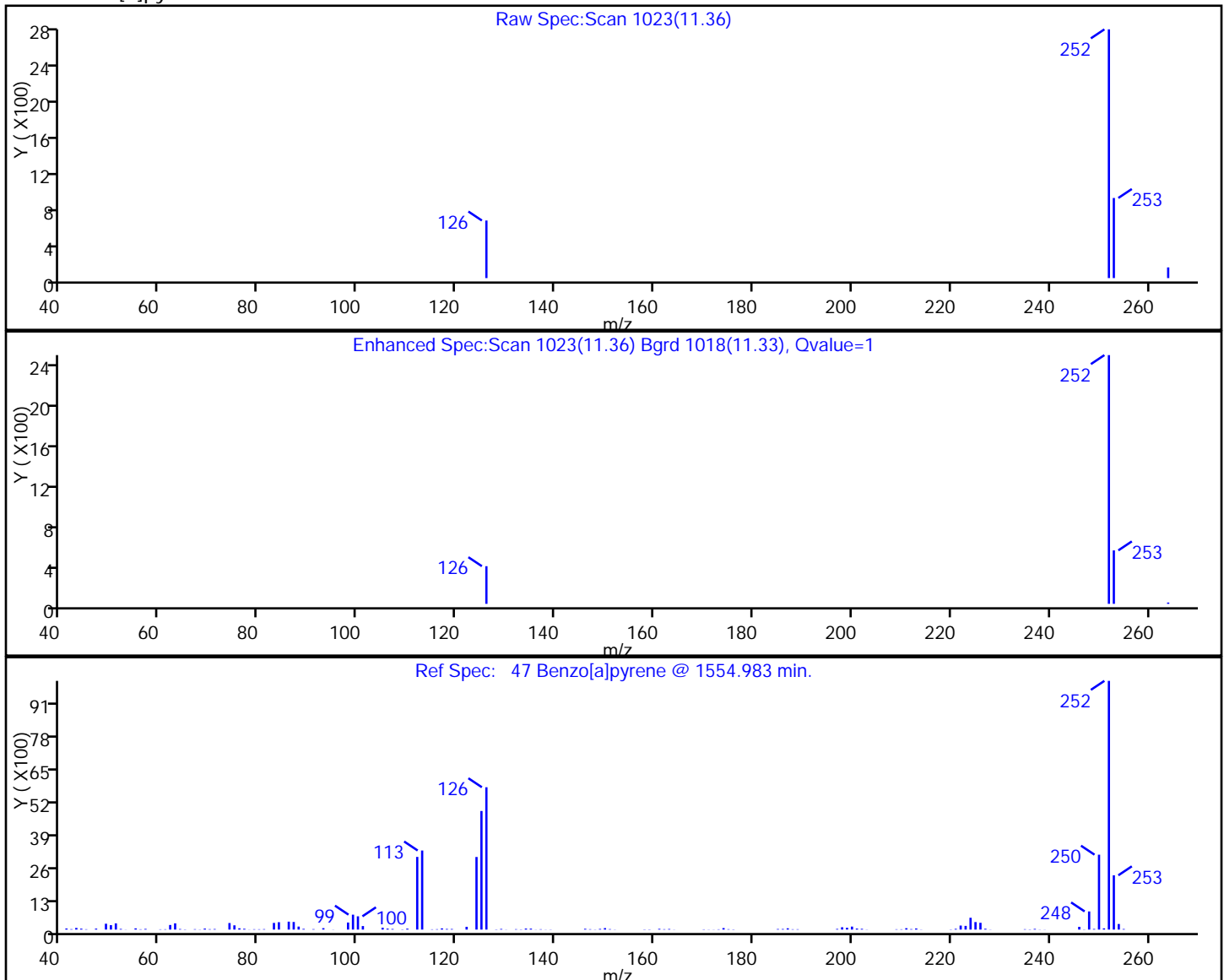
Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



47 Benzo[a]pyrene



Report Date: 25-May-2012 16:20:55

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D

Injection Date: 25-May-2012 14:01:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-EA09-COMP-120507

Instrument ID: TAC023

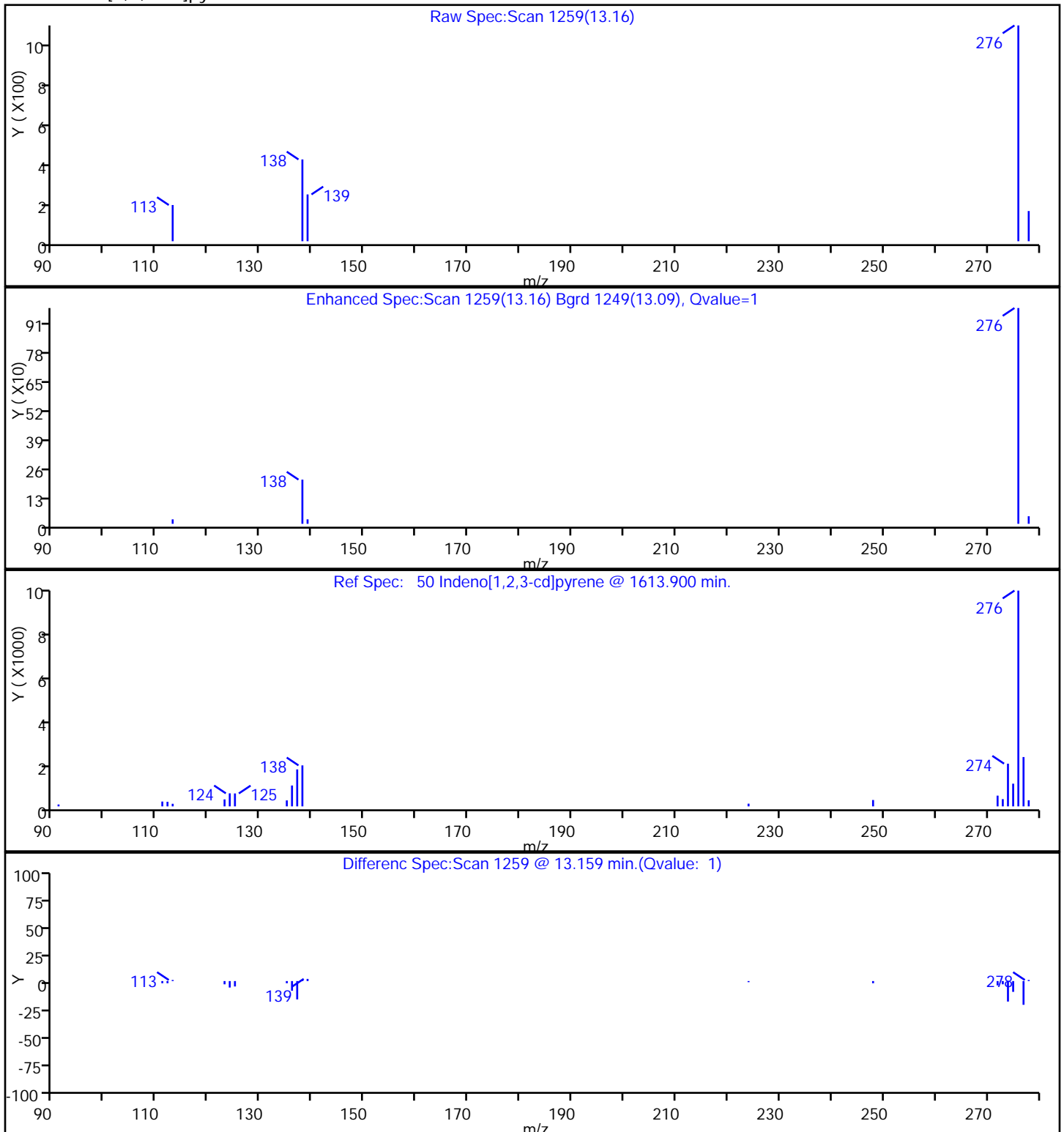
Lims Batch ID: 112072

Lims Sample ID: 9

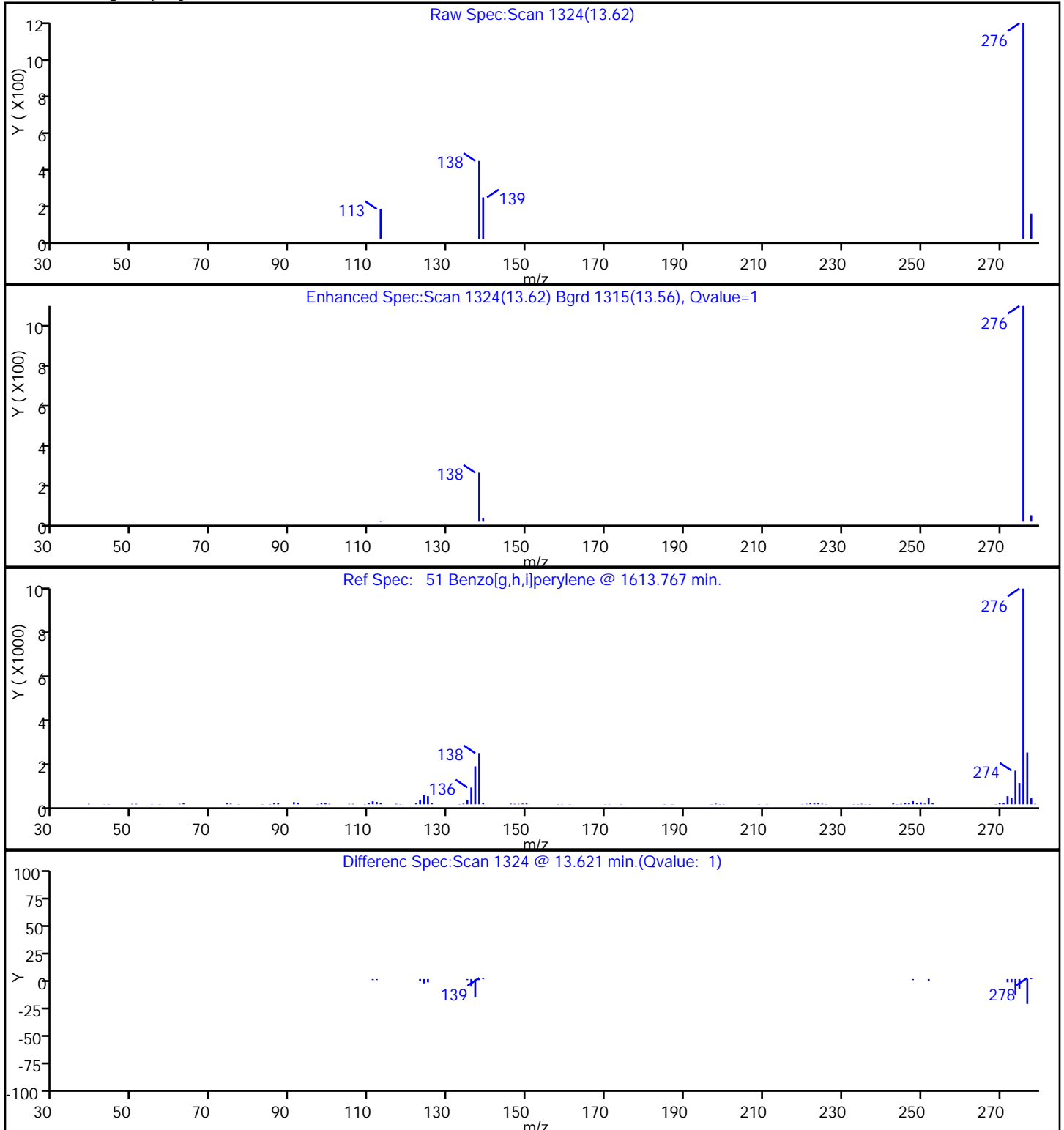
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene



51 Benzo[g,h,i]perylene

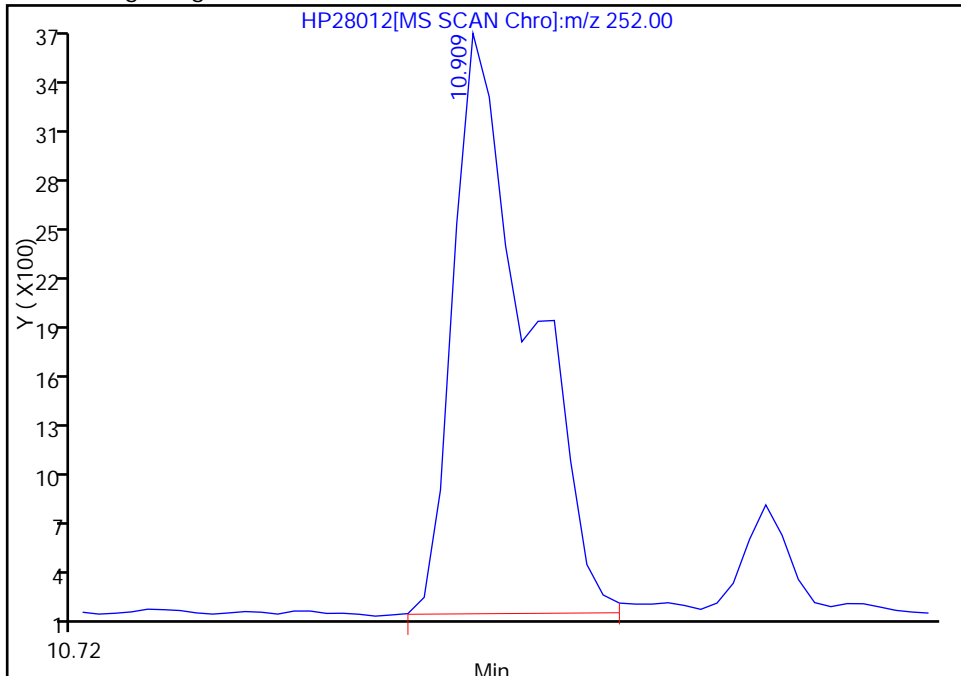


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D
Injection Date: 25-May-2012 14:01:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA09-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

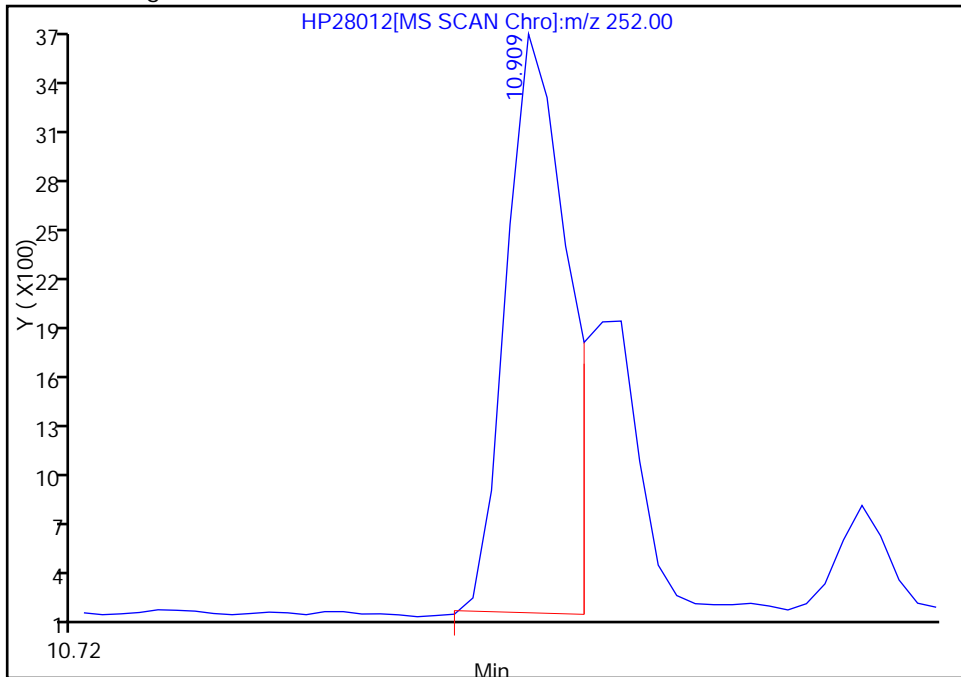
RT: 10.91
Response: 8393
Amount: 17.814177

Processing Integration Results



RT: 10.91
Response: 5779
Amount: 12.265951

Manual Integration Results



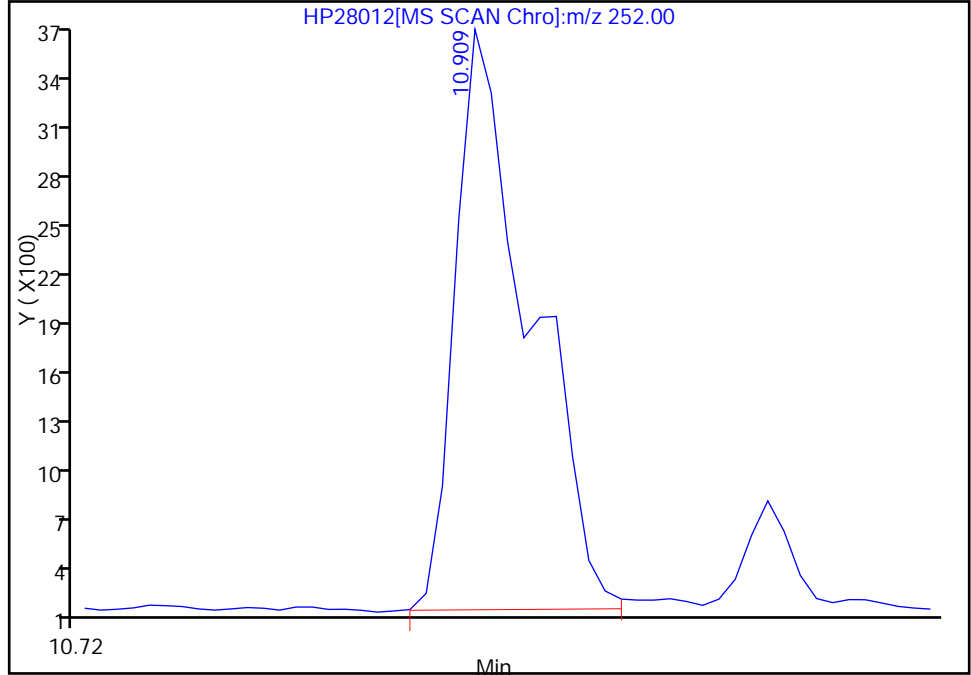
Reviewer: tadesseb, 25-May-2012 16:20:55
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D
Injection Date: 25-May-2012 14:01:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA09-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

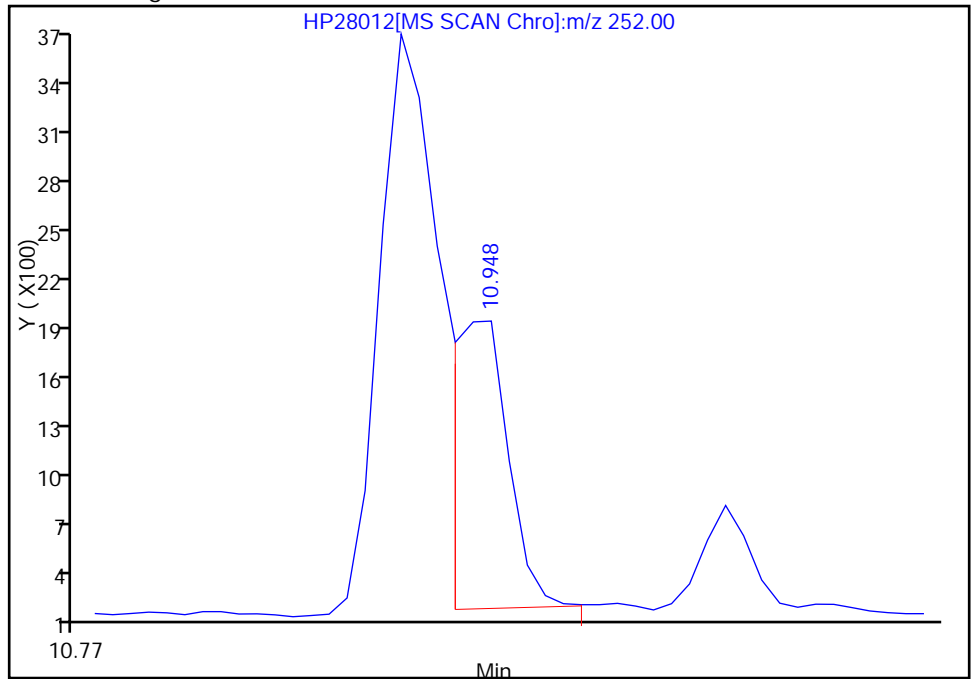
RT: 10.91
Response: 8393
Amount: 17.588730

Processing Integration Results



RT: 10.95
Response: 2486
Amount: 5.209768

Manual Integration Results



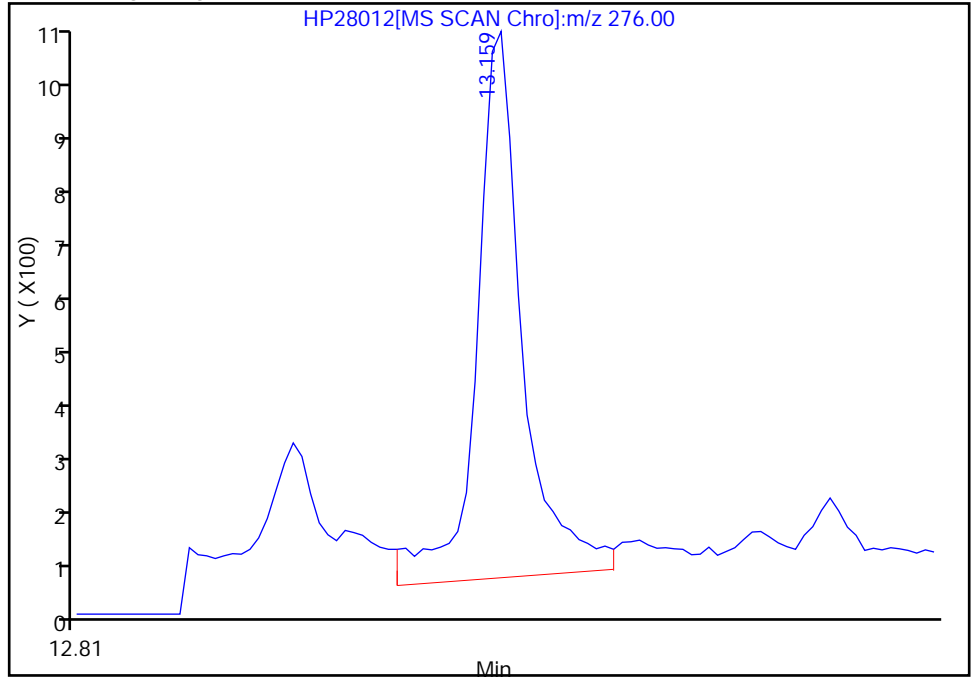
Reviewer: tadesseb, 25-May-2012 16:20:55
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28012.D
Injection Date: 25-May-2012 14:01:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-EA09-COMP-120507 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

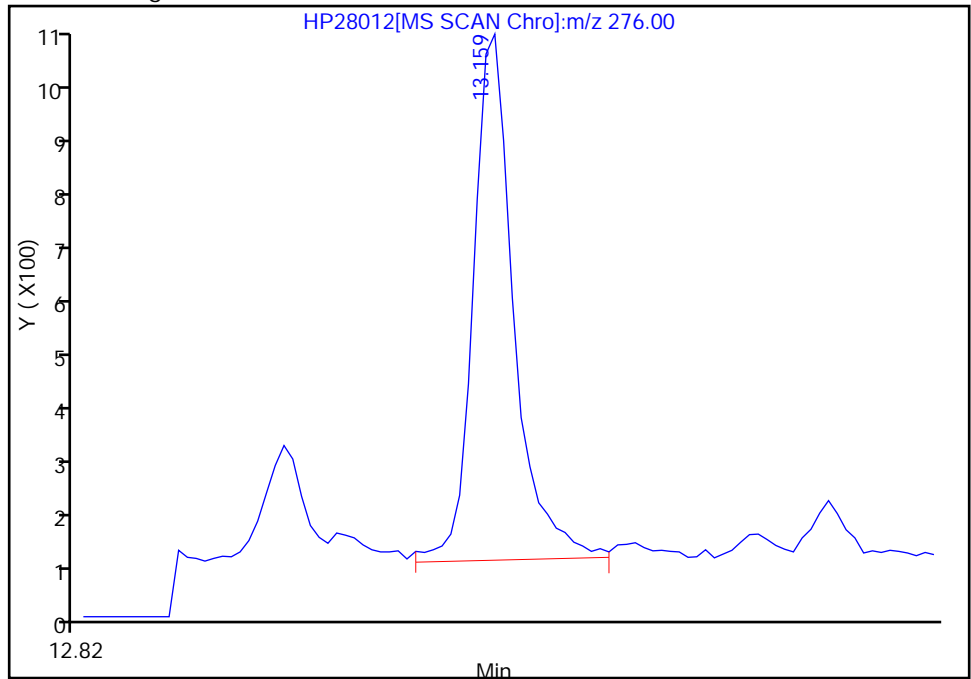
RT: 13.16
Response: 2641
Amount: 6.931726

Processing Integration Results



RT: 13.16
Response: 2228
Amount: 5.847741

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:20:55
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-RB-120507 Lab Sample ID: 580-32803-54
 Matrix: Water Lab File ID: HP28001.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 17:58
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:39
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 15:04
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.10	0.036
91-57-6	2-Methylnaphthalene	ND		0.13	0.030
90-12-0	1-Methylnaphthalene	ND		0.10	0.030
208-96-8	Acenaphthylene	ND		0.10	0.030
83-32-9	Acenaphthene	ND		0.10	0.030
86-73-7	Fluorene	ND		0.10	0.030
85-01-8	Phenanthrene	ND		0.10	0.030
120-12-7	Anthracene	ND		0.10	0.030
206-44-0	Fluoranthene	ND		0.10	0.030
129-00-0	Pyrene	ND		0.10	0.030
56-55-3	Benzo[a]anthracene	ND		0.10	0.030
218-01-9	Chrysene	ND		0.10	0.030
205-99-2	Benzo[b]fluoranthene	ND		0.10	0.030
207-08-9	Benzo[k]fluoranthene	ND		0.10	0.030
50-32-8	Benzo[a]pyrene	ND		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	ND		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	ND		0.10	0.030

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	75		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28001.D
 Lims ID: 580-32803-A-54-A Client ID: JW-RB-120507
 Inject. Date: 23-May-2012 15:04:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-a-54-a
 Misc. Info.: 580-0023402-006 =580-0023402-006
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 111929 Lims Sample ID: 6
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:30:08 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:32:21

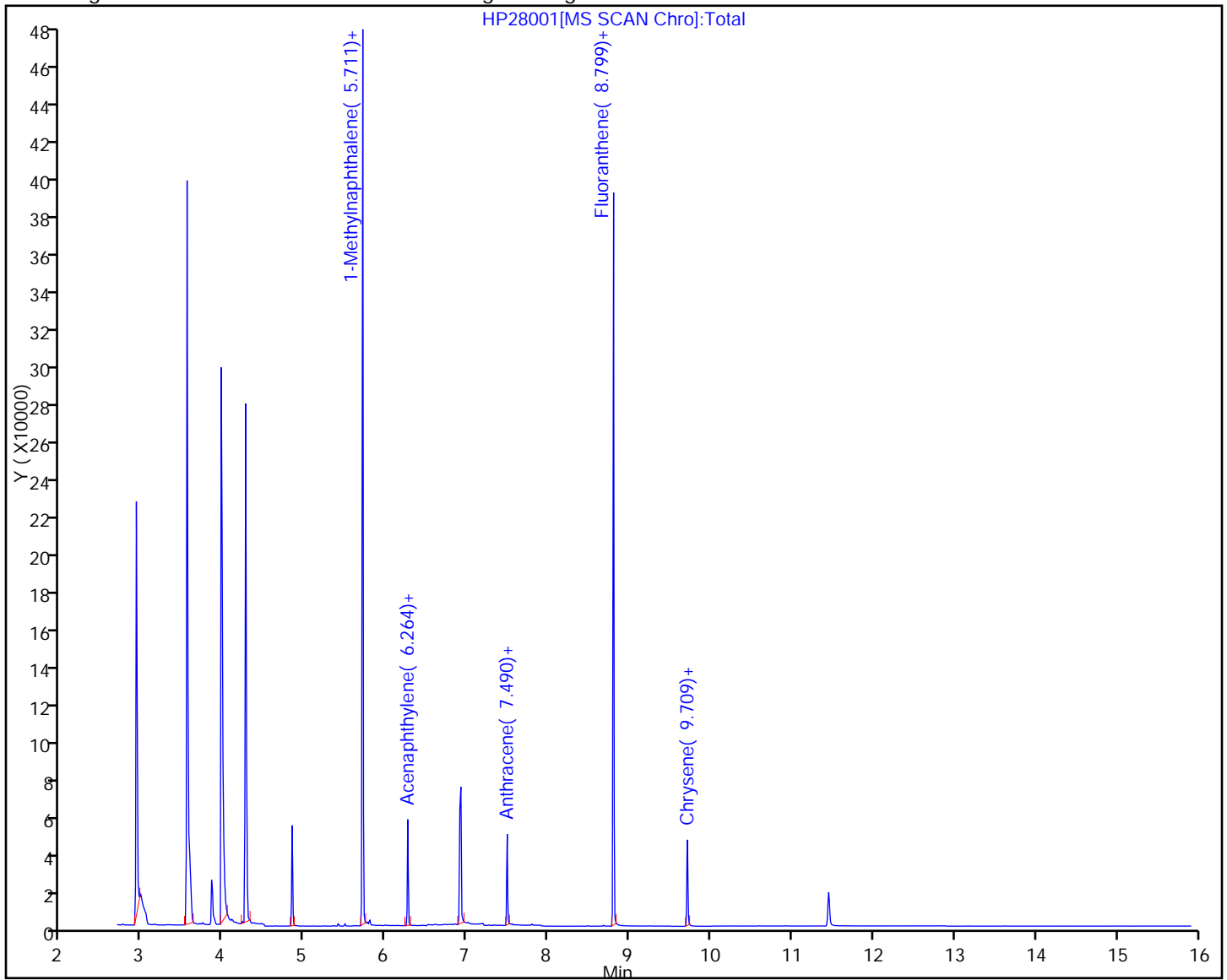
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16590	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	43454	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23763	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	38104	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	38517	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	29061	98.9	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	310807	753.7	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	539	1.89	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	398	1.39	
31 Acenaphthylene	152	6.143	6.151	-0.008	1	98	0.2215	
37 Phenanthrene	178	7.503	7.510	-0.007	1	666	1.39	
38 Anthracene	178	7.550	7.550	0.0	1	147	0.3123	M
42 Fluoranthene	202	8.490	8.490	0.0	1	225	0.4290	
41 Pyrene	202	8.673	8.680	-0.007	38	324	0.5937	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	232	0.5364	
43 Chrysene	228	9.729	9.735	-0.006	1	206	0.4589	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

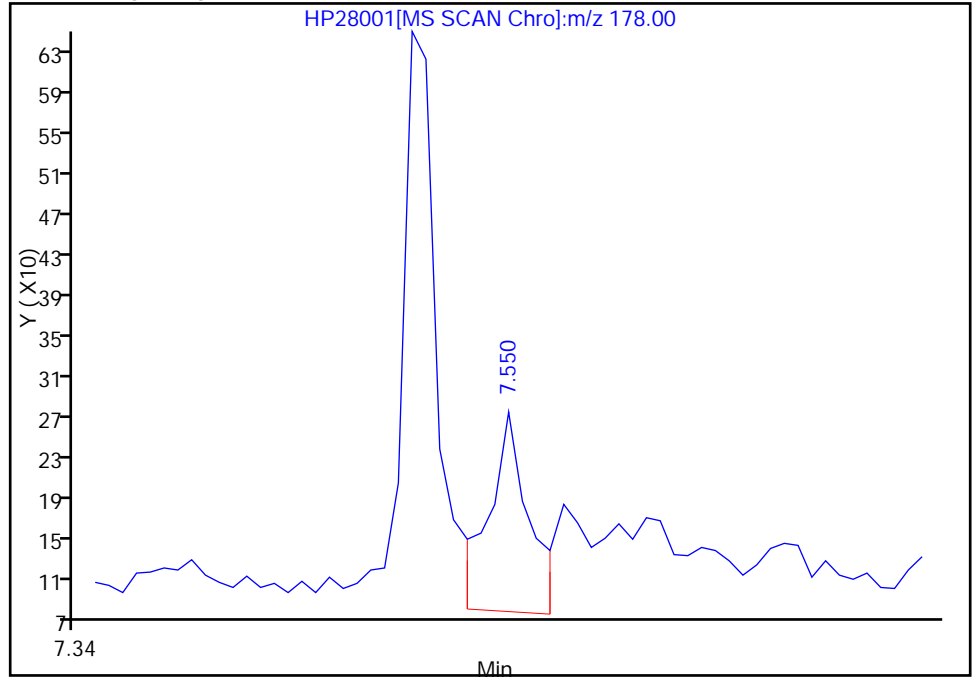


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28001.D
Injection Date: 23-May-2012 15:04:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RB-120507 Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

38 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 7.55

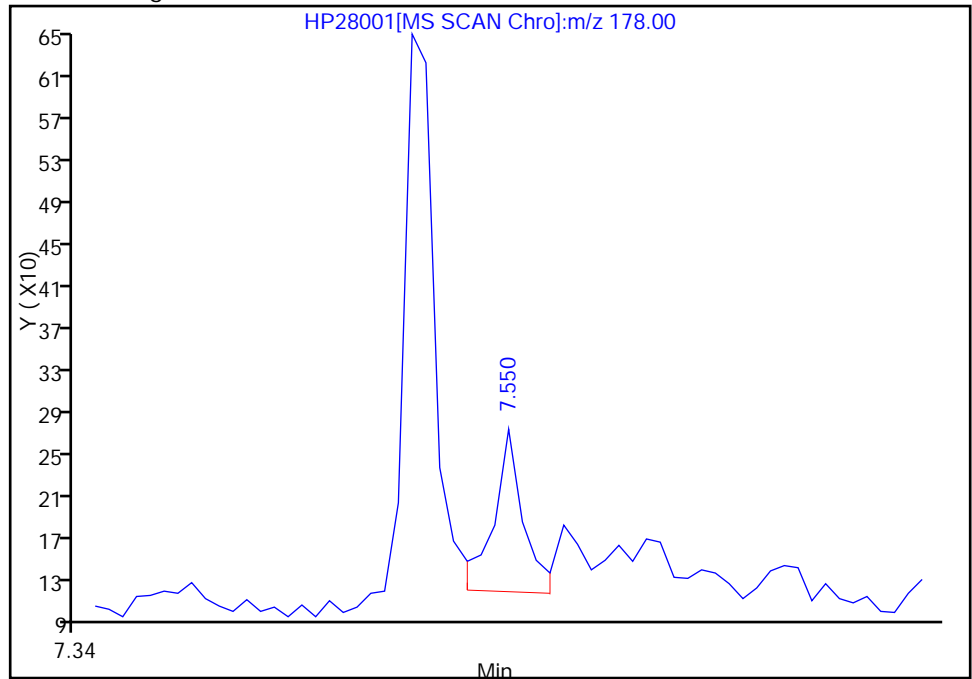
RT: 7.55
Response: 248
Amount: 0.526904

Processing Integration Results



RT: 7.55
Response: 147
Amount: 0.312318

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:32:21
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: JW-FB-120507 Lab Sample ID: 580-32803-55
 Matrix: Water Lab File ID: HP28002.D
 Analysis Method: 8270C SIM Date Collected: 05/07/2012 19:00
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:39
 Sample wt/vol: 1040(mL) Date Analyzed: 05/23/2012 15:25
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.096	0.035
91-57-6	2-Methylnaphthalene	ND		0.13	0.029
90-12-0	1-Methylnaphthalene	ND		0.096	0.029
208-96-8	Acenaphthylene	ND		0.096	0.029
83-32-9	Acenaphthene	ND		0.096	0.029
86-73-7	Fluorene	ND		0.096	0.029
85-01-8	Phenanthrene	ND		0.096	0.029
120-12-7	Anthracene	ND		0.096	0.029
206-44-0	Fluoranthene	ND		0.096	0.029
129-00-0	Pyrene	ND		0.096	0.029
56-55-3	Benzo[a]anthracene	ND		0.096	0.029
218-01-9	Chrysene	ND		0.096	0.029
205-99-2	Benzo[b]fluoranthene	ND		0.096	0.029
207-08-9	Benzo[k]fluoranthene	ND		0.096	0.029
50-32-8	Benzo[a]pyrene	ND		0.19	0.029
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.096	0.029
53-70-3	Dibenz(a,h)anthracene	ND		0.096	0.029
191-24-2	Benzo[g,h,i]perylene	ND		0.096	0.029

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D
 Lims ID: 580-32803-A-55-A Client ID: JW-FB-120507
 Inject. Date: 23-May-2012 15:25:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32803-a-55-a
 Misc. Info.: 580-0023402-007 =580-0023402-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 111929 Lims Sample ID: 7
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:30:08 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:33:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16443	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42568	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23443	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	36793	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	38455	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	26375	98.9	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	292730	735.1	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	480	1.72	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	375	1.34	
37 Phenanthrene	178	7.510	7.510	0.0	1	508	1.10	M
38 Anthracene	178	7.550	7.550	0.0	1	89	0.1958	M

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 24-May-2012 16:33:35

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D

Injection Date: 23-May-2012 15:25:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-FB-120507

Instrument ID: TAC023

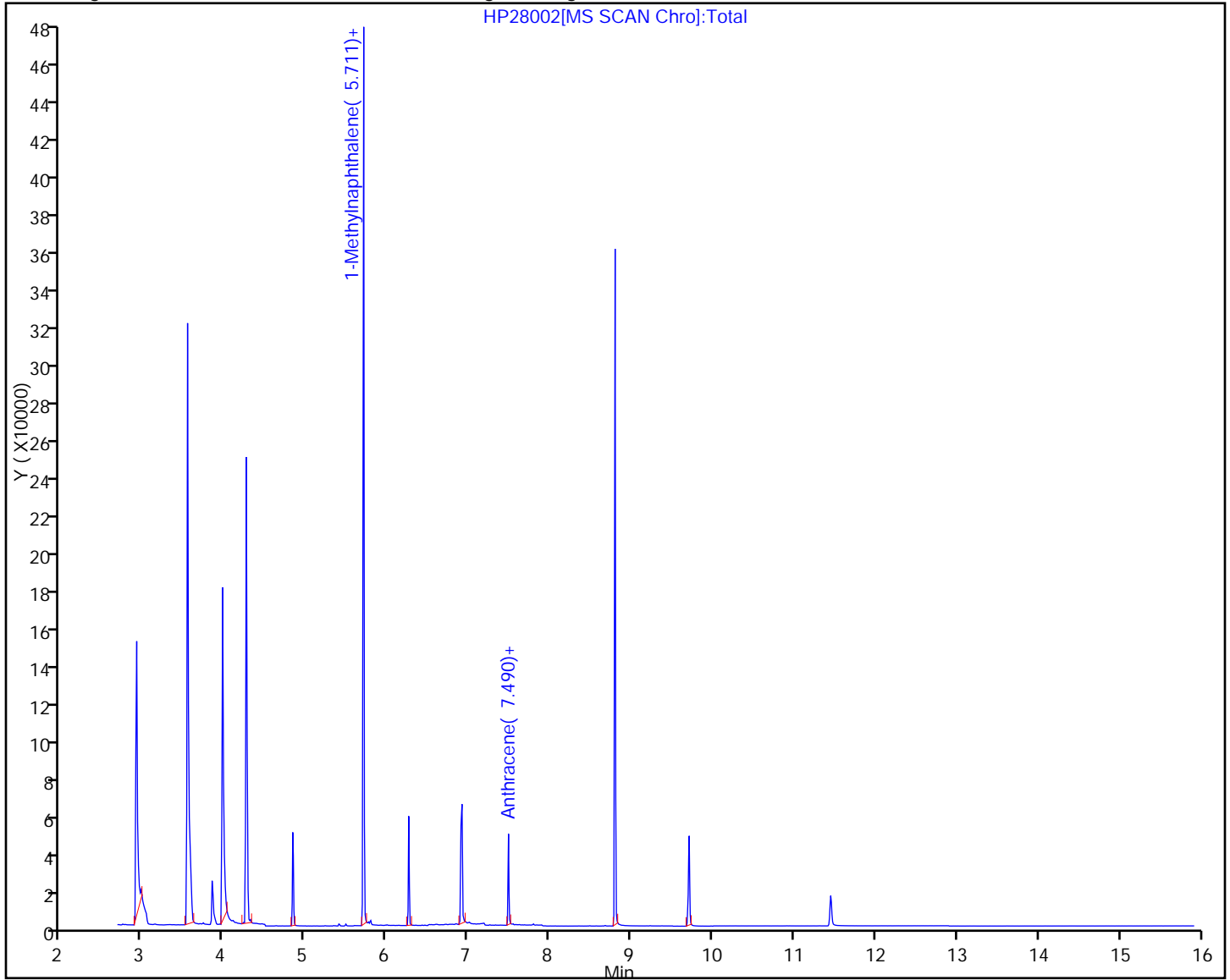
Lims Batch ID: 111929

Lims Sample ID: 7

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

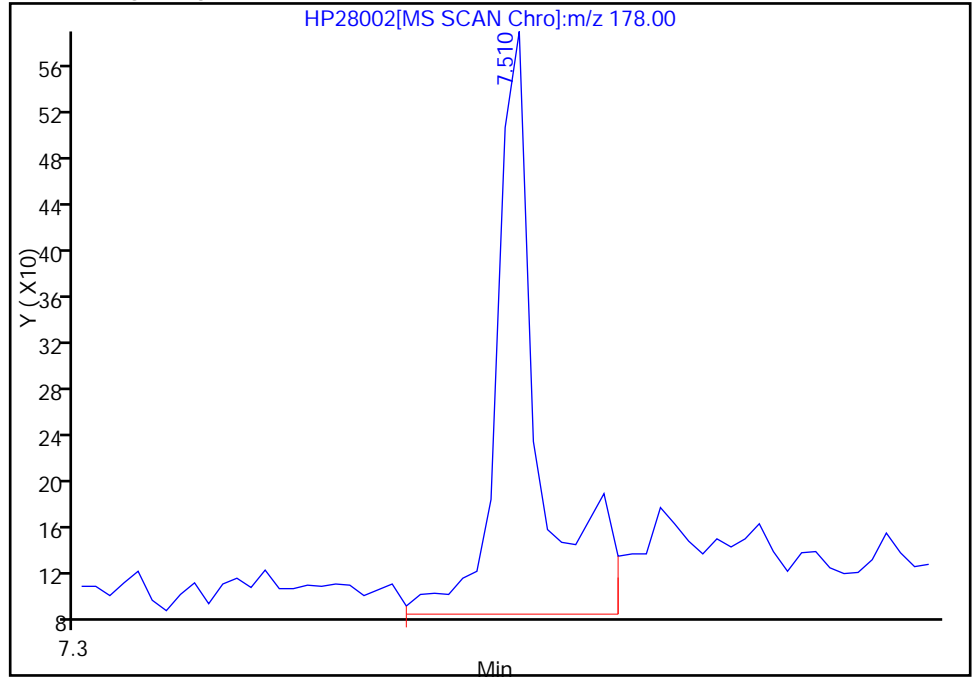


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D
Injection Date: 23-May-2012 15:25:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-FB-120507 Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

37 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 7.51

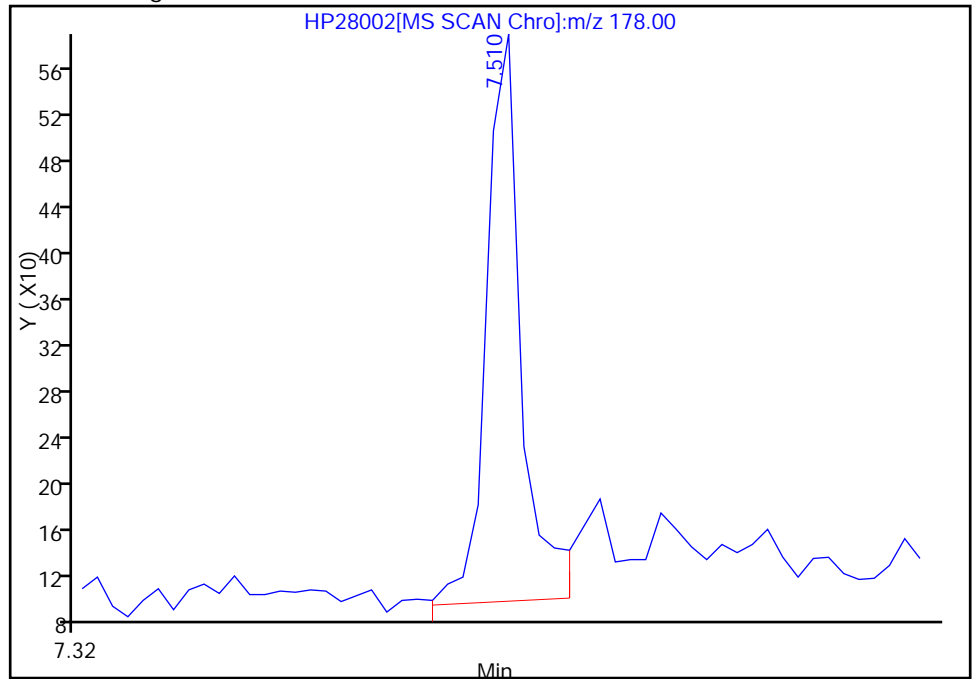
RT: 7.51
Response: 681
Amount: 1.476938

Processing Integration Results



RT: 7.51
Response: 508
Amount: 1.101739

Manual Integration Results



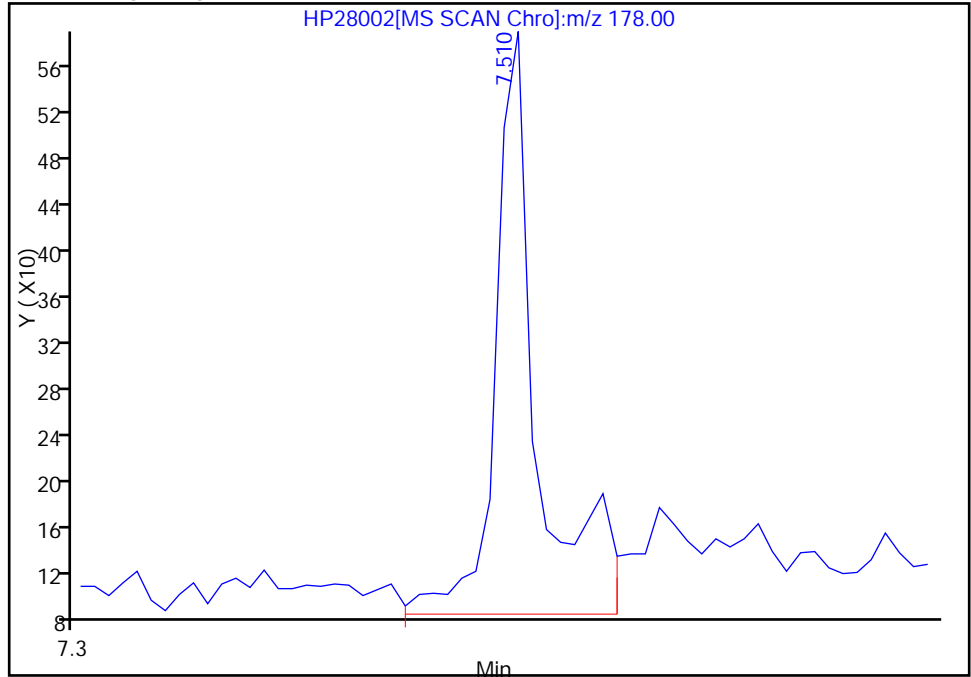
Reviewer: tadesseb, 24-May-2012 16:33:35
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28002.D
Injection Date: 23-May-2012 15:25:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-FB-120507 Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

38 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 7.55

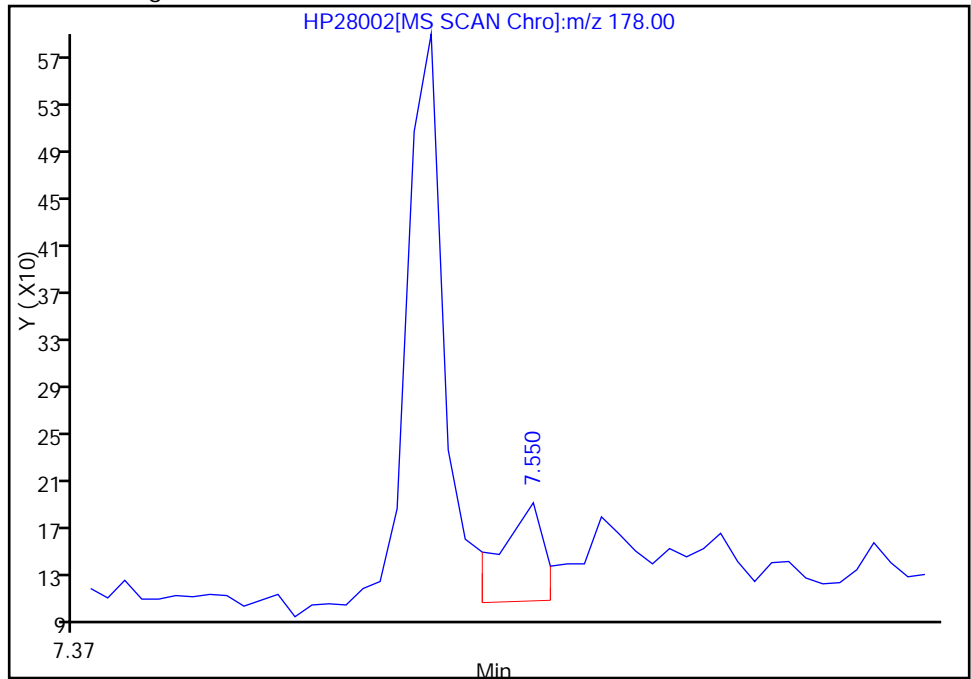
RT: 7.51
Response: 681
Amount: 1.498414

Processing Integration Results



RT: 7.55
Response: 89
Amount: 0.195828

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:33:35
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32803-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Naphthalene	1.0626 1.0256	1.2830 1.0460	1.0988 1.0021	1.0313	1.0016	Ave		1.0689			8.6		15.0				
2-Methylnaphthalene	0.6568 0.5941	0.7680 0.6074	0.6174 0.5676	0.6002	0.5807	Ave		0.6240			10.0		15.0				
1-Methylnaphthalene	0.7605 0.5880	0.7384 0.6037	0.6051 0.5705	0.5805	0.5762	Ave		0.6278			12.0		15.0				
Acenaphthylene	1.7602 1.8198	2.1608 1.8878	1.7798 1.7402	1.7311	1.7157	Ave		1.8244			8.0		15.0				
Acenaphthene	1.2707 1.1786	1.4655 1.2123	1.2381 1.1354	1.1920	1.1608	Ave		1.2317			8.4		15.0				
Fluorene	1.2542 1.2214	1.4999 1.2262	1.2559 1.3178	1.2218	1.2171	Ave		1.2768			7.5		15.0				
Pentachlorophenol		0.1402 0.2325	0.1269 0.2625	0.1236	0.1781	Qual	-1.467	0.1903	0					0.9980		0.9900	
Phenanthrene	1.2776 1.1751	1.4937 1.2103	1.2152 1.1285	1.1809	1.1438	Ave		1.2275			9.5		15.0				
Anthracene	1.2089 1.1853	1.4455 1.2477	1.1761 1.1698	1.1254	1.1254	Ave		1.2099			8.5		15.0				
Fluoranthene	1.3200 1.3274	1.5460 1.4174	1.3194 1.3161	1.2741	1.2715	Ave		1.3483			6.8		15.0				
Pyrene	1.4065 1.3831	1.6331 1.4738	1.3585 1.3466	1.3198	1.3081	Ave		1.4030			7.6		15.0				
Benzo[a]anthracene	1.0979 1.1172	1.2613 1.1315	1.0531 1.0734	1.0313	1.0470	Ave		1.1010			6.7		15.0				
Chrysene	1.1758 1.0756	1.4086 1.1113	1.1693 1.0175	1.1270	1.0617	Ave		1.1428			10.0		15.0				
Benzo[b]fluoranthene	1.3588 1.3061	1.6278 1.4032	1.3563 1.3843	1.3087	1.3287	Ave		1.3842			7.5		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32803-1 Analy Batch No.: 110125
 SDG No.: _____
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N
 Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Benzo[k]fluoranthene	1.3489 1.4293	1.5965 1.5045	1.3281 1.3393	1.3282	1.3409	Ave		1.4020			7.2		15.0				
Benzo[a]pyrene	1.1779 1.2520	1.3636 1.3423	1.1632 1.2860	1.1082	1.1889	Ave		1.2352			7.3		15.0				
Indeno[1,2,3-cd]pyrene	1.0798 1.1037	1.2680 1.2050	1.0447 1.1669	0.9745	1.1125	Ave		1.1194			8.3		15.0				
Dibenz(a,h)anthracene	1.1477 1.1535	1.2839 1.2368	1.1650 1.1749	1.0778	1.1938	Ave		1.1792			5.2		15.0				
Benzo[g,h,i]perylene	1.2404 1.1587	1.4209 1.2379	1.2371 1.1681	1.1204	1.2103	Ave		1.2242			7.4		15.0				
Nitrobenzene-d5	0.2949 0.3078	0.3757 0.3198	0.3067 0.3340	0.2834	0.2858	Ave		0.3135			9.7		15.0				
2-Fluorobiphenyl	1.5470 1.3881	1.7999 1.4324	1.4902 1.3390	1.4461	1.3714	Ave		1.4768			9.9		15.0				
2,4,6-Tribromophenol	0.2037 0.2356	0.2170 0.2566	0.1822 0.2893	0.1846	0.2052	Qual	-0.296	0.2187	0					0.9990		0.9900	
Terphenyl-d14	1.0397 1.0378	1.2350 1.1065	1.0272 1.0280	1.0031	1.0074	Ave		1.0601			7.3		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023

GC Column: ZB-5MS

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06

Calibration End Date: 04/26/2012 18:38

Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Naphthalene	NPT	Ave	2849	6667	28484	55164	257995	5.00	10.0	50.0	100	500
			526496	1072090	2684550			1000	2000	5000		
2-Methylnaphthalene	NPT	Ave	1761	3991	16005	32106	149594	5.00	10.0	50.0	100	500
			304972	622591	1520695			1000	2000	5000		
1-Methylnaphthalene	NPT	Ave	2039	3837	15685	31051	148418	5.00	10.0	50.0	100	500
			301833	618740	1528334			1000	2000	5000		
Acenaphthylene	ANT	Ave	2571	6088	24816	50006	242319	5.00	10.0	50.0	100	500
			515994	1067745	2595885			1000	2000	5000		
Acenaphthene	ANT	Ave	1856	4129	17263	34434	163940	5.00	10.0	50.0	100	500
			334188	685674	1693739			1000	2000	5000		
Fluorene	ANT	Ave	1832	4226	17511	35293	171891	5.00	10.0	50.0	100	500
			346324	693578	1965794			1000	2000	5000		
Pentachlorophenol	ANT	Qual		395	1770	3570	25147		10.0	50.0	100	500
			56922	131497	391605			1000	2000	5000		
Phenanthrene	PHN	Ave	2806	6395	25815	52102	247239	5.00	10.0	50.0	100	500
			503131	1016537	2546197			1000	2000	5000		
Anthracene	PHN	Ave	2655	6189	24984	49655	243260	5.00	10.0	50.0	100	500
			507513	1047978	2639536			1000	2000	5000		
Fluoranthene	PHN	Ave	2899	6619	28029	56212	274832	5.00	10.0	50.0	100	500
			568358	1190504	2969613			1000	2000	5000		
Pyrene	PHN	Ave	3089	6992	28859	58229	282760	5.00	10.0	50.0	100	500
			592192	1237813	3038369			1000	2000	5000		
Benzo[a]anthracene	CRY	Ave	2624	5868	24429	50582	267204	5.00	10.0	50.0	100	500
			566855	1174411	2918750			1000	2000	5000		
Chrysene	CRY	Ave	2810	6553	27126	55272	270938	5.00	10.0	50.0	100	500
			545769	1153508	2766966			1000	2000	5000		
Benzo[b]fluoranthene	PRY	Ave	2479	5823	24492	48886	258574	5.00	10.0	50.0	100	500
			510819	1104980	2867529			1000	2000	5000		
Benzo[k]fluoranthene	PRY	Ave	2461	5711	23982	49615	260959	5.00	10.0	50.0	100	500
			559002	1184758	2774469			1000	2000	5000		

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32803-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Benzo[a]pyrene	PRY	Ave	2149 489634	4878 1057001	21004 2663923	41395	231380	5.00 1000	10.0 2000	50.0 5000	100	500
Indeno[1,2,3-cd]pyrene	PRY	Ave	1970 431662	4536 948921	18865 2417283	36404	216495	5.00 1000	10.0 2000	50.0 5000	100	500
Dibenz(a,h)anthracene	PRY	Ave	2094 451123	4593 973945	21038 2433908	40262	232333	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[g,h,i]perylene	PRY	Ave	2263 453172	5083 974794	22340 2419736	41853	235538	5.00 1000	10.0 2000	50.0 5000	100	500
Nitrobenzene-d5	NPT	Ave	778 155476	1921 322573	7824 880358	14915	72453	4.92 984	9.84 1968	49.2 4920	98.4	492
2-Fluorobiphenyl	ANT	Ave	2228 388074	5000 798866	20487 1969505	41188	190975	4.93 986	9.86 1972	49.3 4930	98.6	493
2,4,6-Tribromophenol	ANT	Qual	293 65796	602 142900	2502 425037	5252	28539	4.92 985	9.85 1970	49.2 4924	98.5	492
Terphenyl-d14	PHN	Ave	2215 431031	5129 901504	21167 2249893	42931	211211	4.85 970	9.70 1940	48.5 4850	97.0	485

Curve Type Legend:

Ave = Average ISTD
Qual = Quadratic 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
 Lims ID: ic std 5.0ppb Client ID:
 Inject. Date: 26-Apr-2012 16:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: ic std 5.0ppb
 Misc. Info.: 580-0022916-003 =580-0022916-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 110125 Lims Sample ID: 3
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:30 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20045	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51051	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28629	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43046	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	46891	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	36088	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	778	4.63	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	2228	5.16	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	293	5.94	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	2215	4.75	
26 Naphthalene	128	4.882	4.882	0.0	0	2849	4.97	M
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	1761	5.26	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	2039	6.06	
31 Acenaphthylene	152	6.178	6.178	0.0	1	2571	4.82	
29 Acenaphthene	153	6.316	6.316	0.0	4	1856	5.16	
32 Fluorene	166	6.738	6.751	-0.013	1	1832	4.91	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	585	17.4	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2806	5.20	
38 Anthracene	178	7.577	7.577	0.0	1	2655	4.99	
42 Fluoranthene	202	8.514	8.514	0.0	1	2899	4.89	
41 Pyrene	202	8.705	8.705	0.0	39	3089	5.01	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	2624	4.98	
43 Chrysene	228	9.767	9.767	0.0	1	2810	5.14	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	2479	4.91	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	2461	4.81	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	2149	4.77	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	1970	4.82	M
49 Dibenz(a,h)anthracene	278	13.275	13.267	0.008	1	2094	4.87	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	2263	5.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-May-2012 11:56:30

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

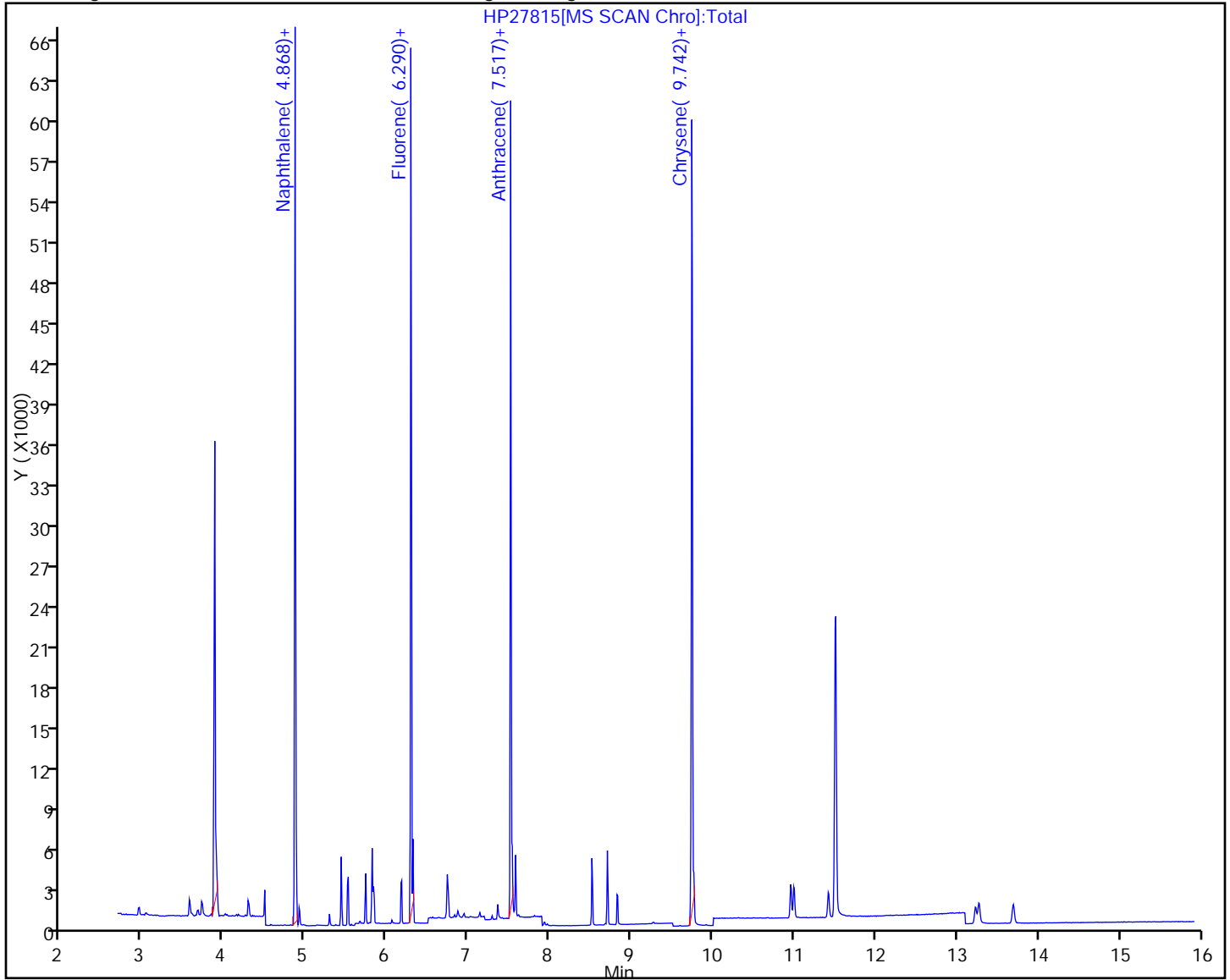
Lims Batch ID: 110125

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

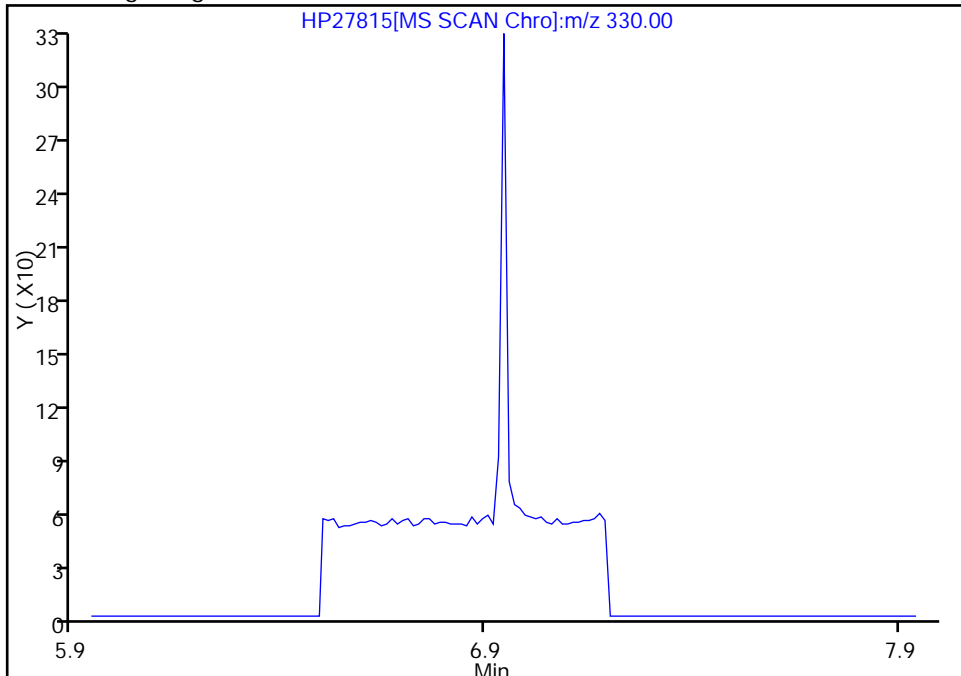


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

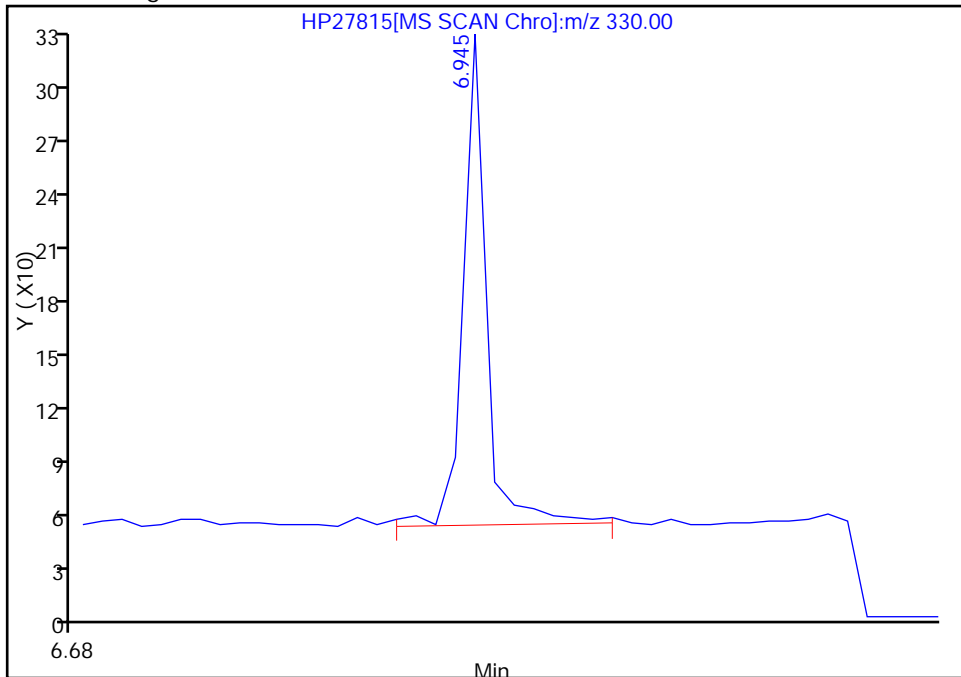
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 293
Amount: 5.936334

Manual Integration Results



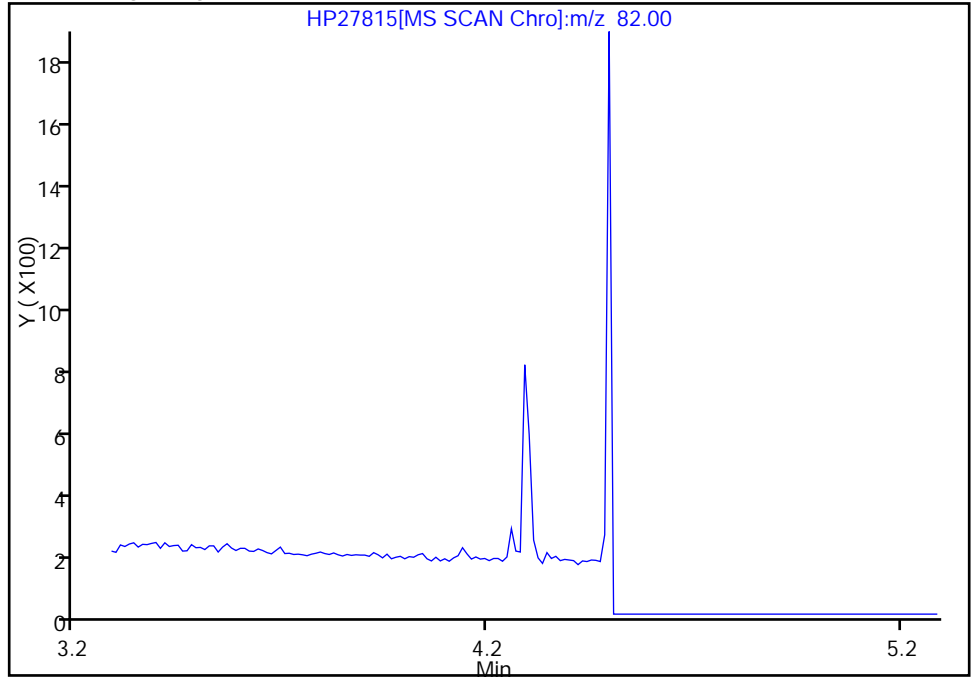
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

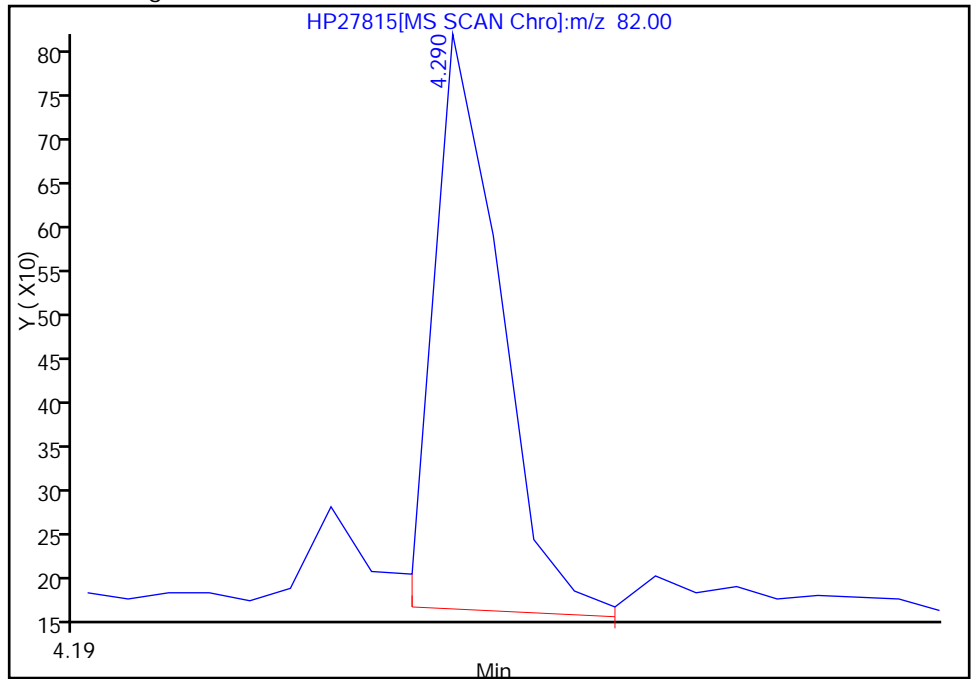
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 778
Amount: 4.627612

Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 3

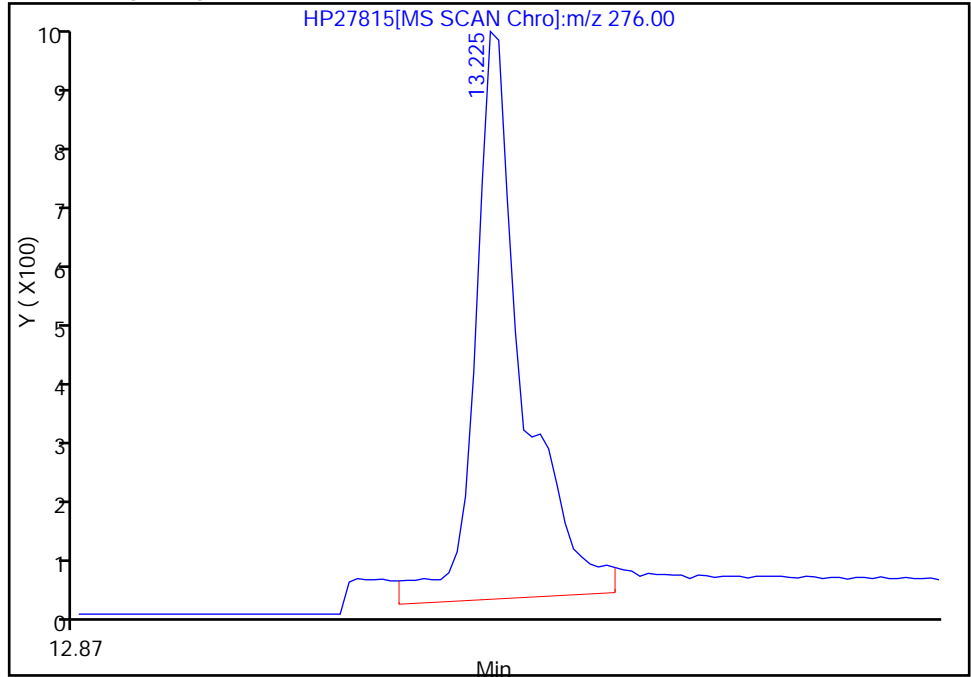
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

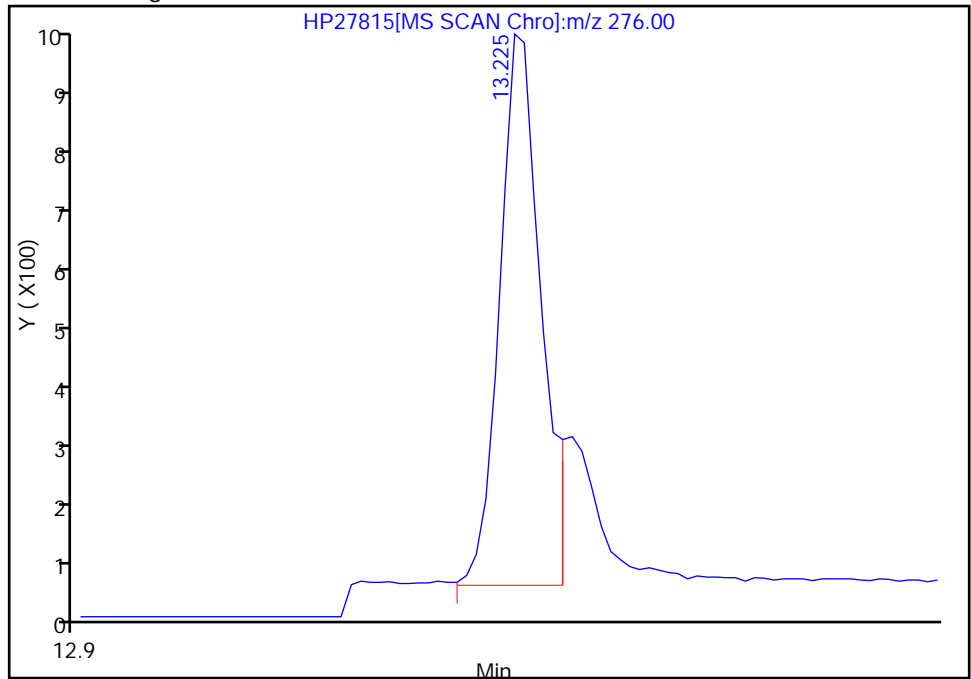
RT: 13.22
Response: 2742
Amount: 7.739588

Processing Integration Results



RT: 13.22
Response: 1970
Amount: 4.822989

Manual Integration Results



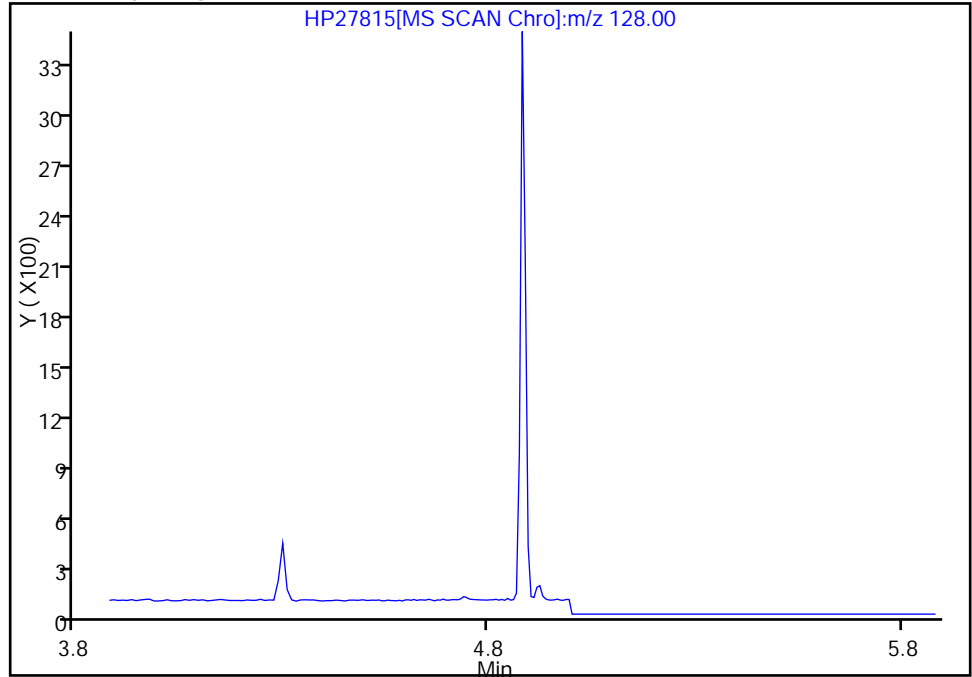
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

26 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.88

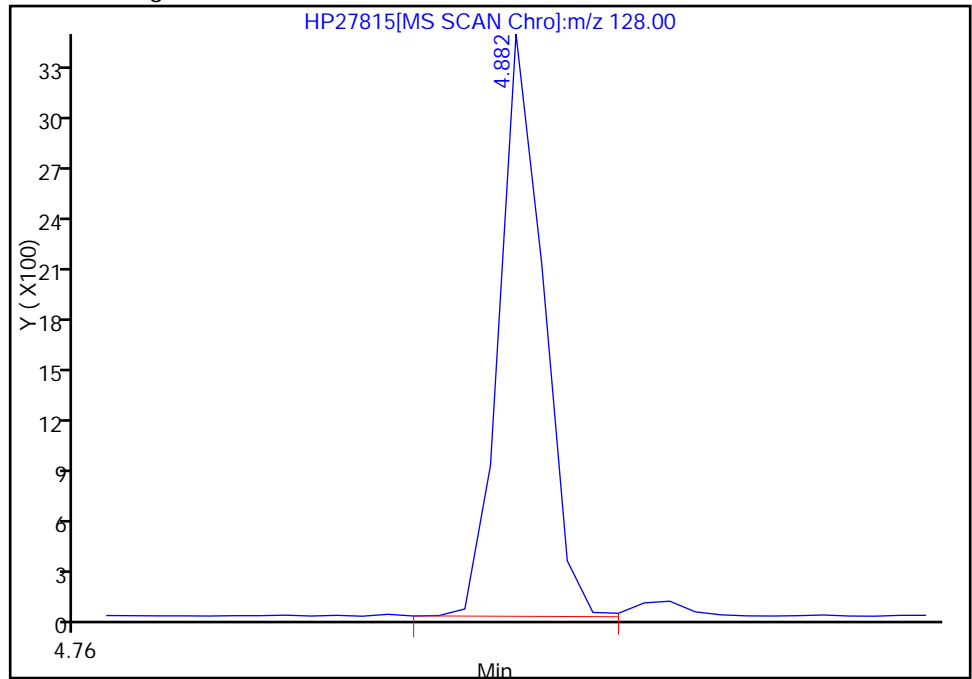
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Response: 2849
Amount: 4.970531



Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
 Lims ID: ic std 10.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:28:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: ic std 10.0 ppb
 Misc. Info.: 580-0022916-004 =580-0022916-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 110125 Lims Sample ID: 4
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:10:54 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:47

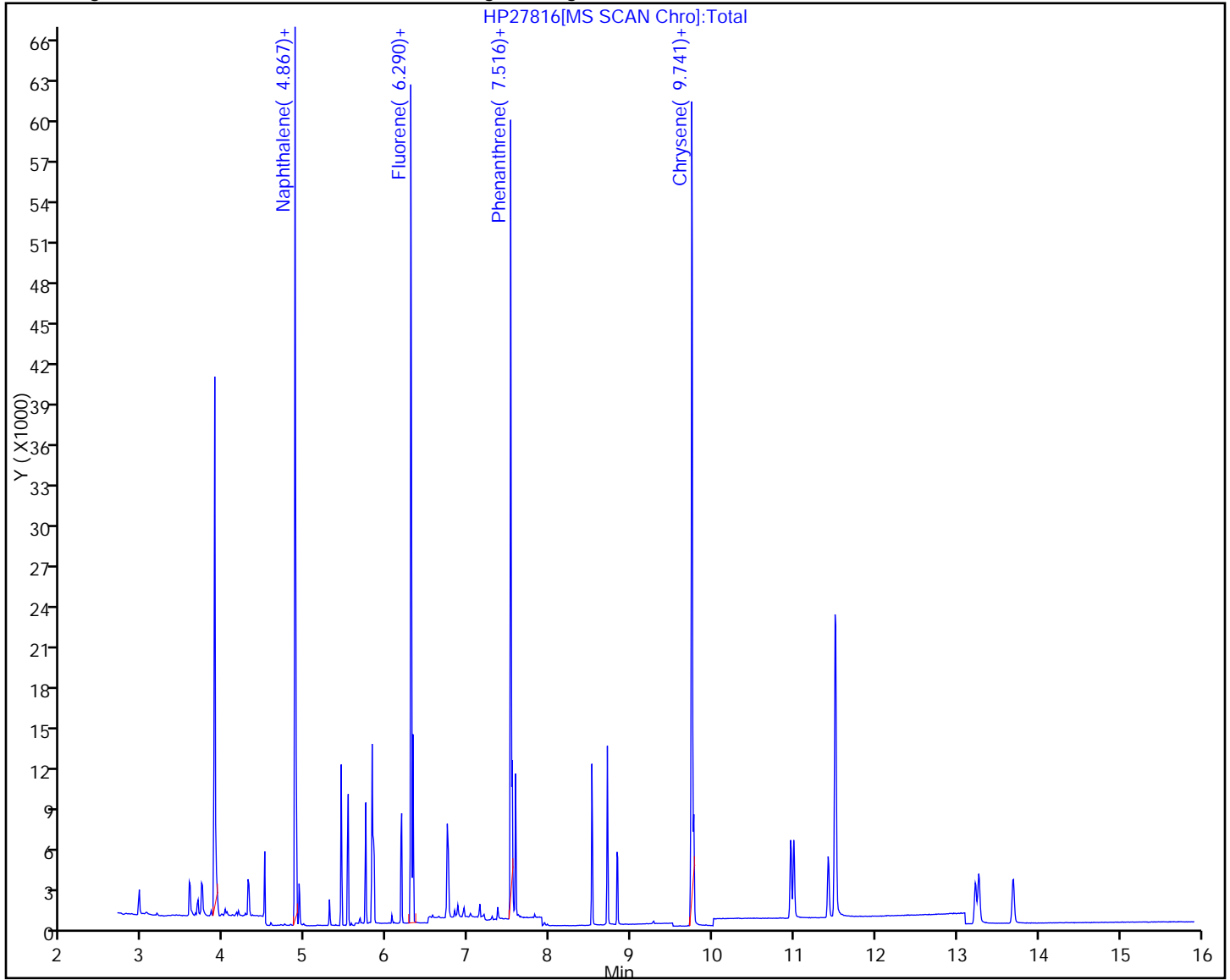
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	19771	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	49469	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27611	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41958	98.0	
* 5 Chrysene-d12	240	9.741	9.742	-0.001	1	45638	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	35379	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	1921	11.8	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	5000	12.0	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	602	11.1	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	5129	11.3	
26 Naphthalene	128	4.882	4.882	0.0	1	6667	12.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	3991	12.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	3837	11.8	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	6088	11.8	
29 Acenaphthene	153	6.315	6.316	-0.001	5	4129	11.9	
32 Fluorene	166	6.751	6.751	0.0	1	4226	11.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	395	14.2	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	6395	12.2	
38 Anthracene	178	7.577	7.577	0.0	1	6189	11.9	
42 Fluoranthene	202	8.514	8.514	0.0	1	6619	11.5	
41 Pyrene	202	8.704	8.705	-0.001	39	6992	11.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	5868	11.5	
43 Chrysene	228	9.767	9.767	0.0	1	6553	12.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	5823	11.8	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	5711	11.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	4878	11.0	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	4536	11.3	M
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	4593	10.9	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	5083	11.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

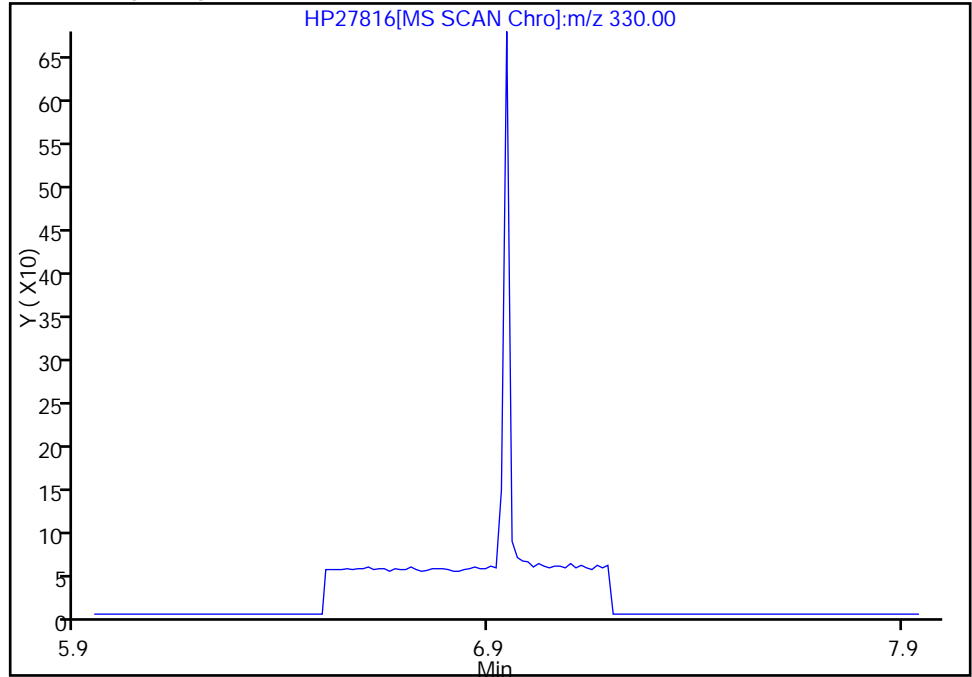


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

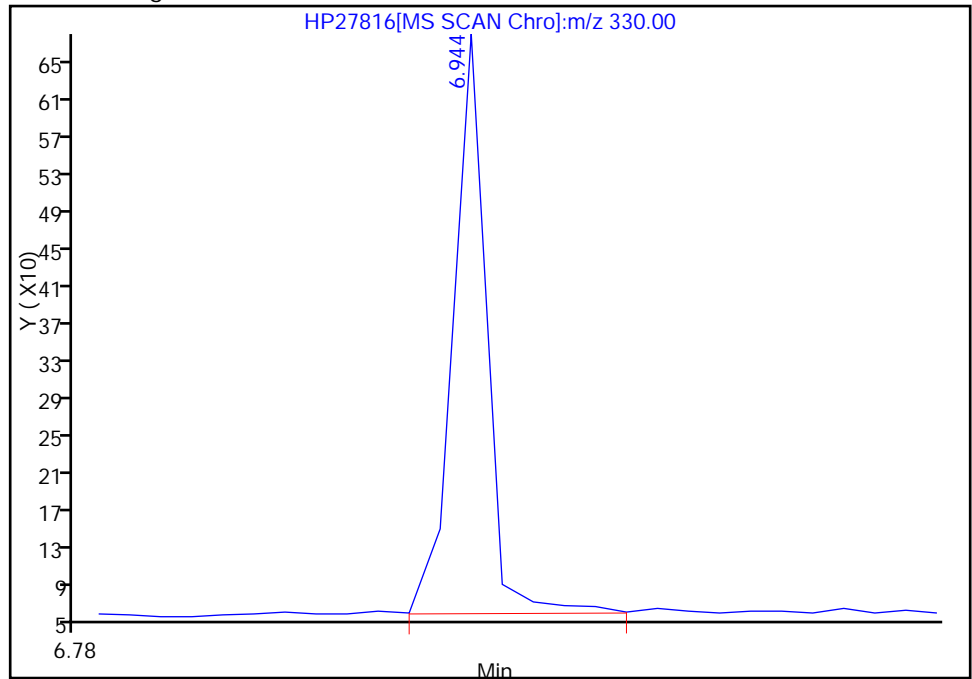
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 602
Amount: 11.114144

Manual Integration Results



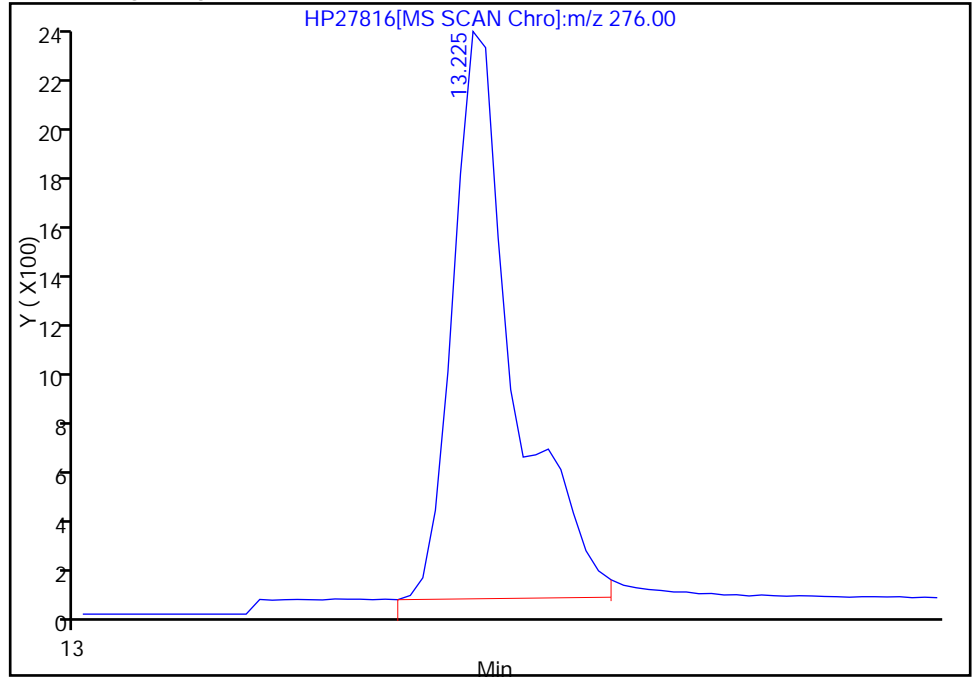
Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

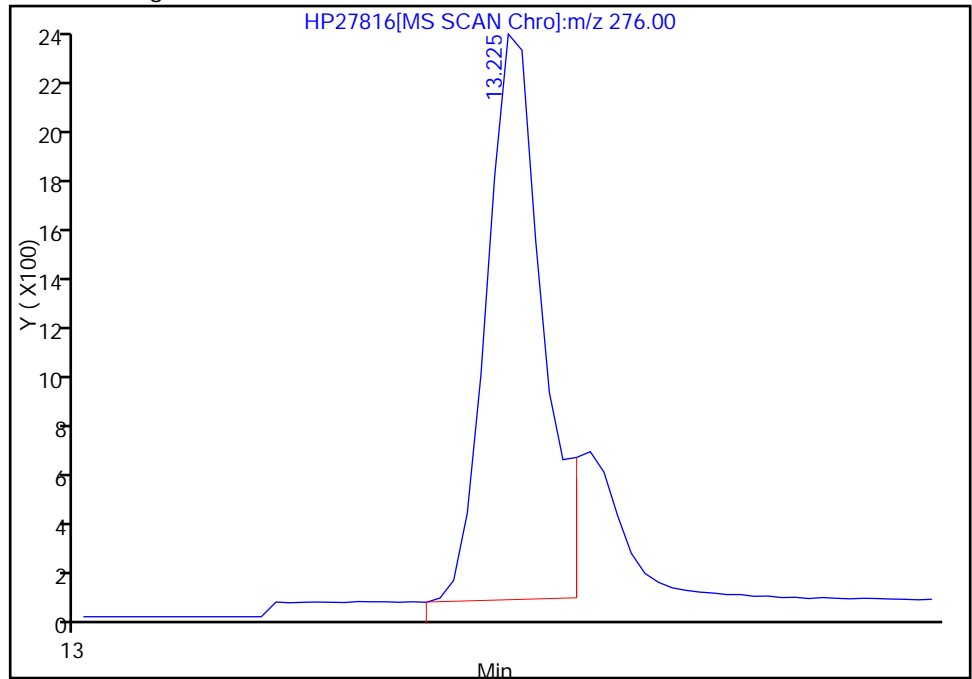
RT: 13.22
Response: 5447
Amount: 16.145845

Processing Integration Results



RT: 13.22
Response: 4536
Amount: 11.327664

Manual Integration Results



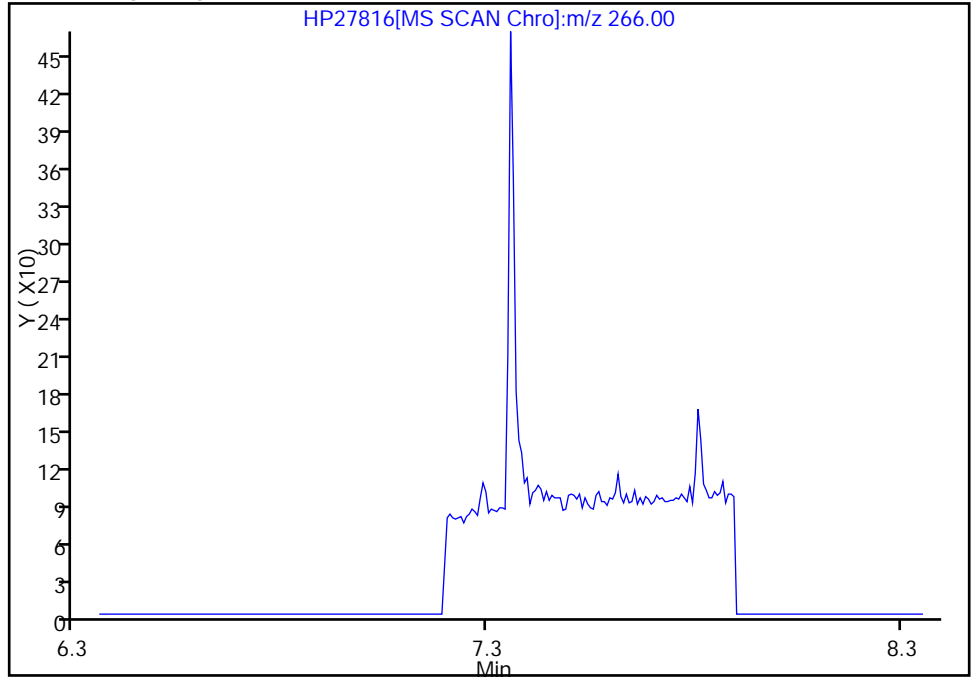
Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

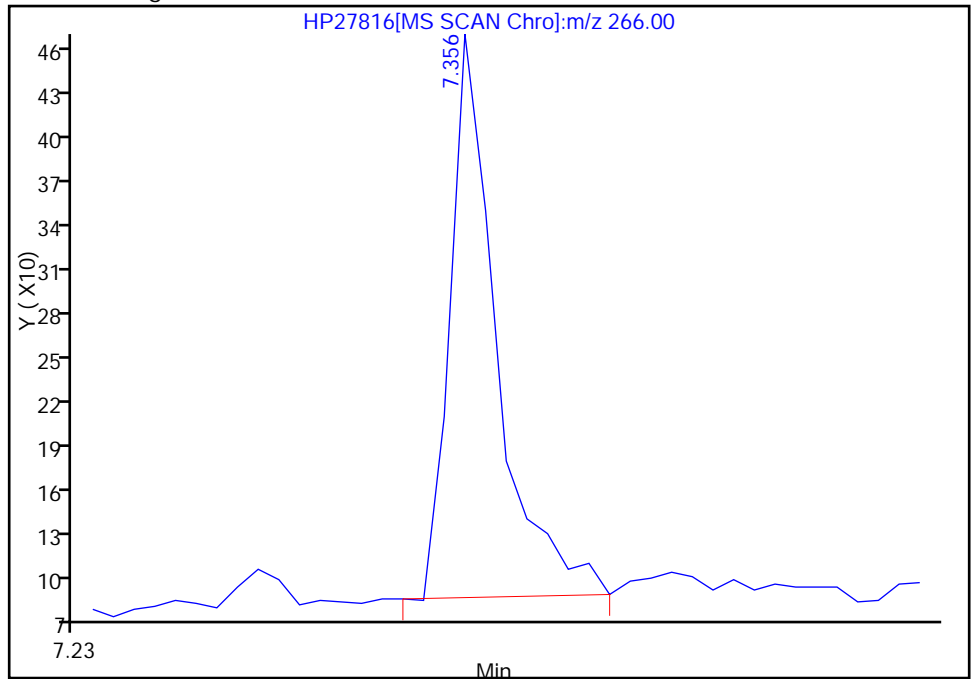
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 395
Amount: 14.153173



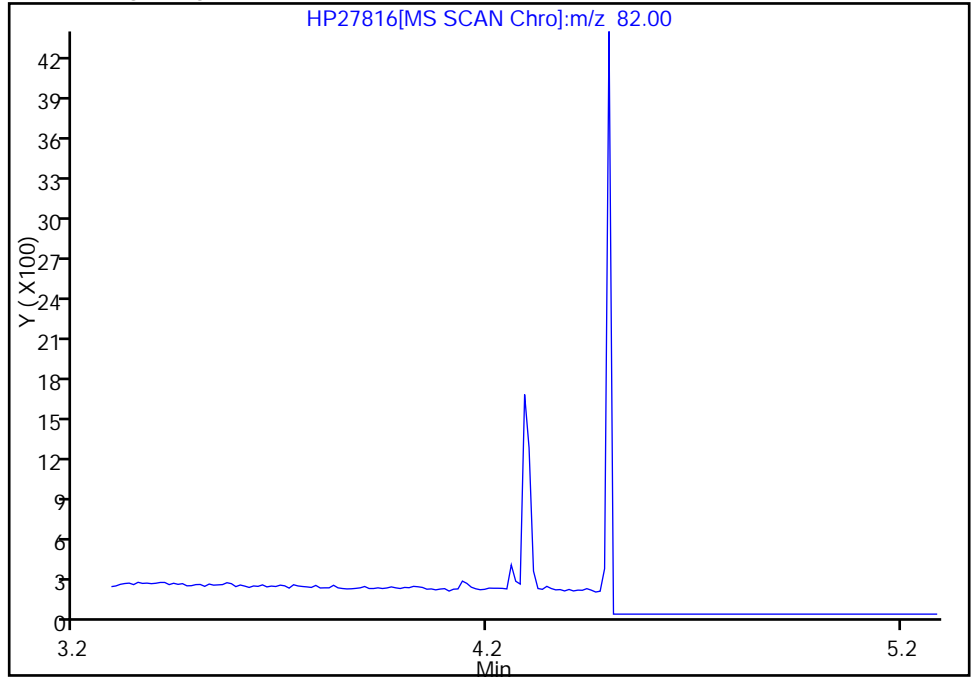
Reviewer: tadesseb, 02-May-2012 12:10:54
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

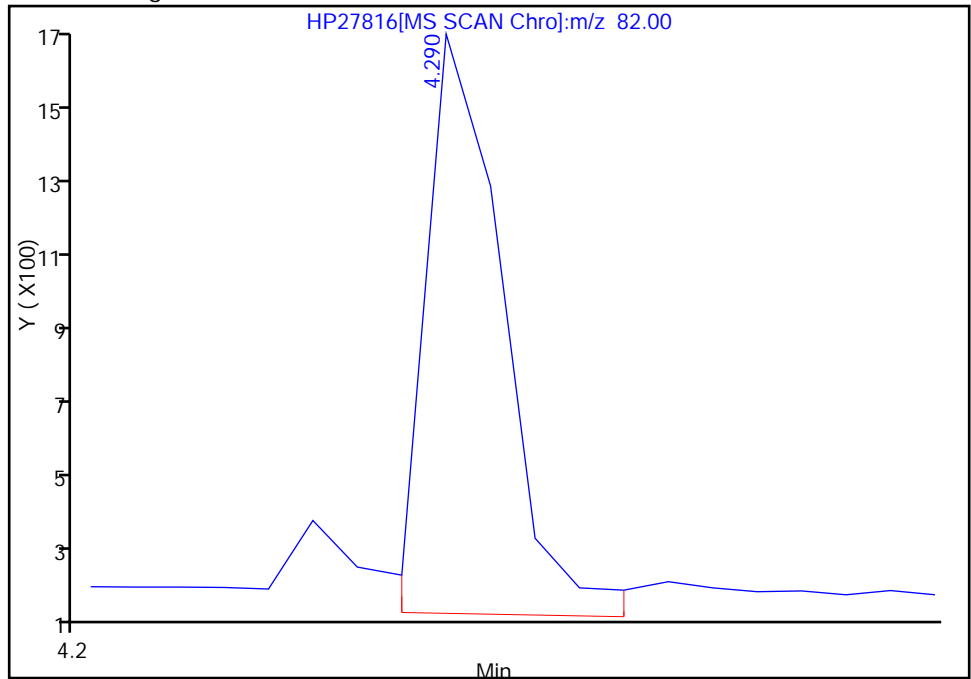
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 1921
Amount: 11.791683

Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
 Lims ID: ic std 50.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: ic std 50.0 ppb
 Misc. Info.: 580-0022916-005 =580-0022916-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 110125 Lims Sample ID: 5
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:11:27 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:57:41

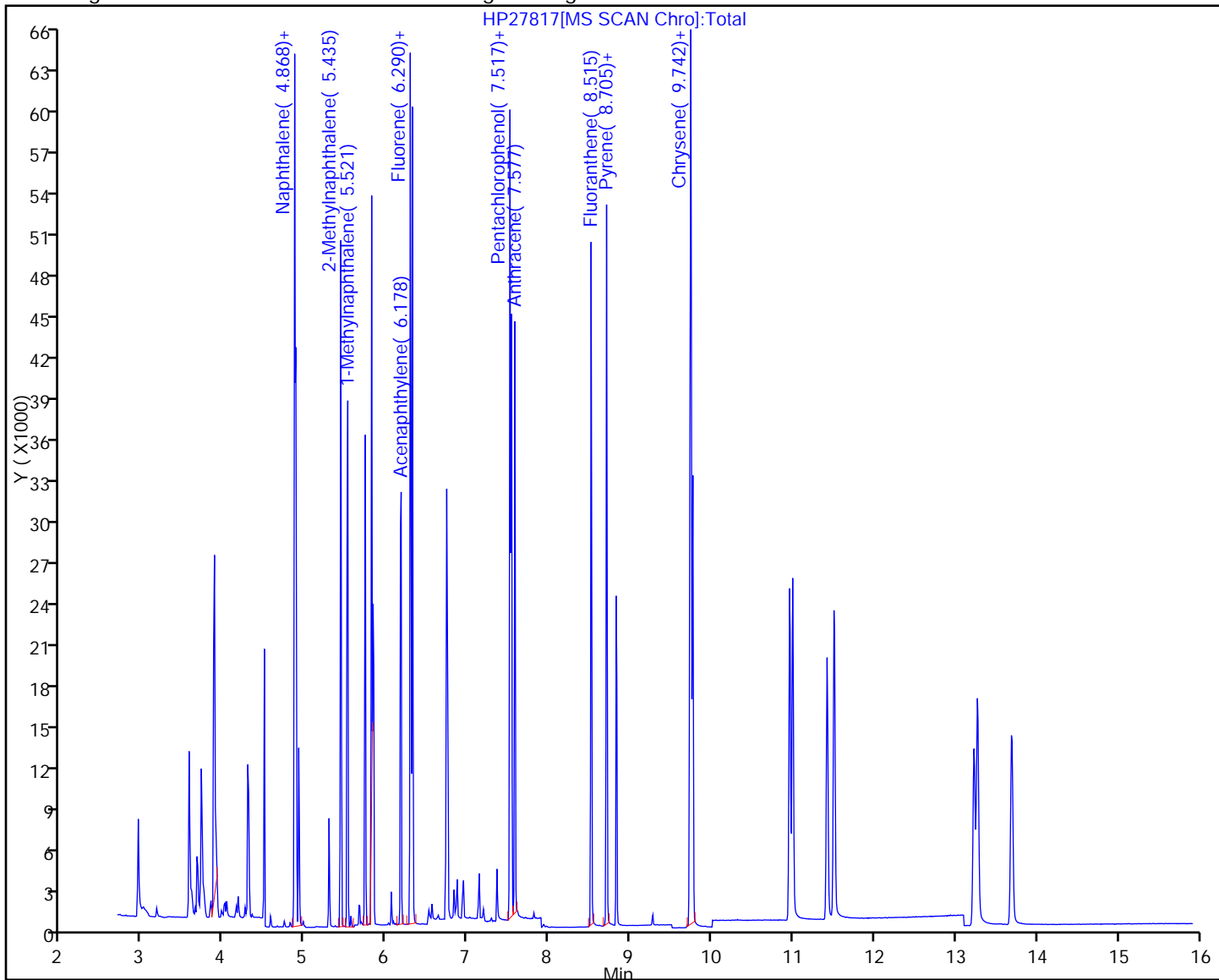
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20457	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49358	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27328	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41637	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	45515	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	35718	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	7824	48.1	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	20487	49.7	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	2502	42.3	M
\$ 12 Terphenyl-d14	244	8.824	8.823	0.001	1	21167	47.0	
26 Naphthalene	128	4.882	4.882	0.0	1	28484	51.4	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	16005	49.5	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	15685	48.2	
31 Acenaphthylene	152	6.178	6.178	0.0	1	24816	48.8	
29 Acenaphthene	153	6.316	6.316	0.0	4	17263	50.3	
32 Fluorene	166	6.738	6.751	-0.013	1	17511	49.2	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	1770	40.9	M
37 Phenanthrene	178	7.537	7.537	0.0	1	25815	49.5	
38 Anthracene	178	7.577	7.577	0.0	1	24984	48.6	
42 Fluoranthene	202	8.515	8.514	0.0	1	28029	48.9	
41 Pyrene	202	8.705	8.705	0.0	39	28859	48.4	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	24429	47.8	
43 Chrysene	228	9.767	9.767	0.0	1	27126	51.1	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	24492	49.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	23982	47.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	21004	47.1	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	18865	46.7	M
49 Dibenz(a,h)anthracene	278	13.268	13.267	0.001	1	21038	49.4	
51 Benzo[g,h,i]perylene	276	13.686	13.693	-0.007	1	22340	50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

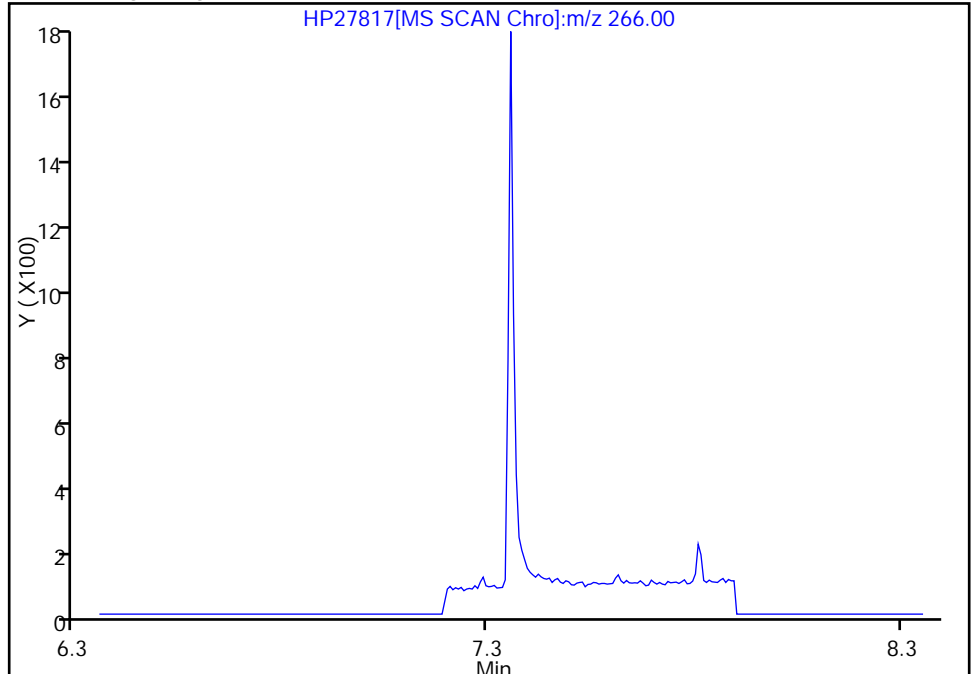


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

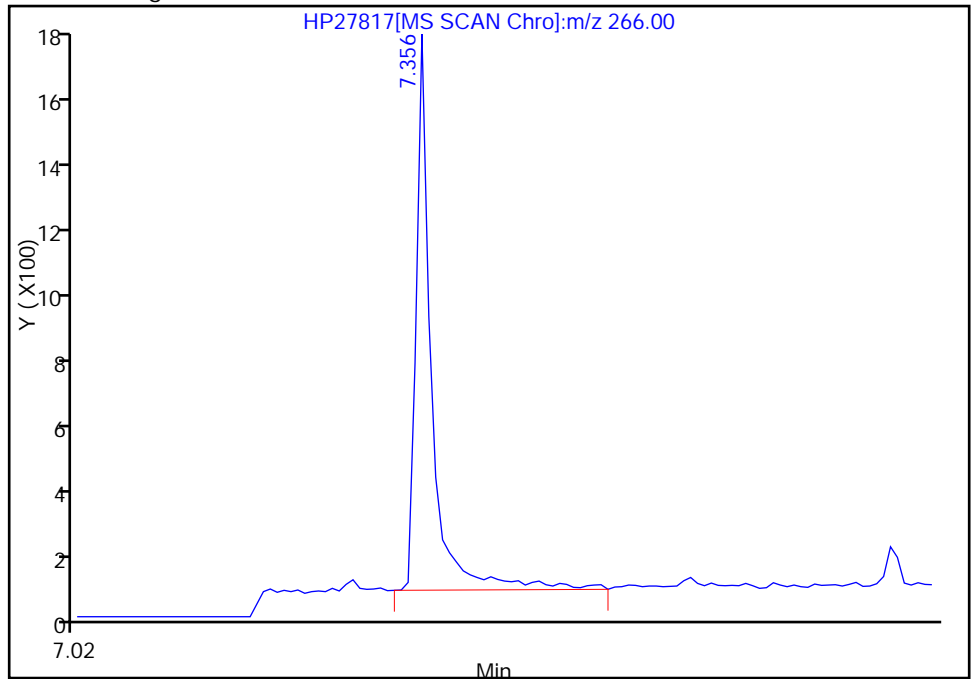
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 1770
Amount: 40.886105



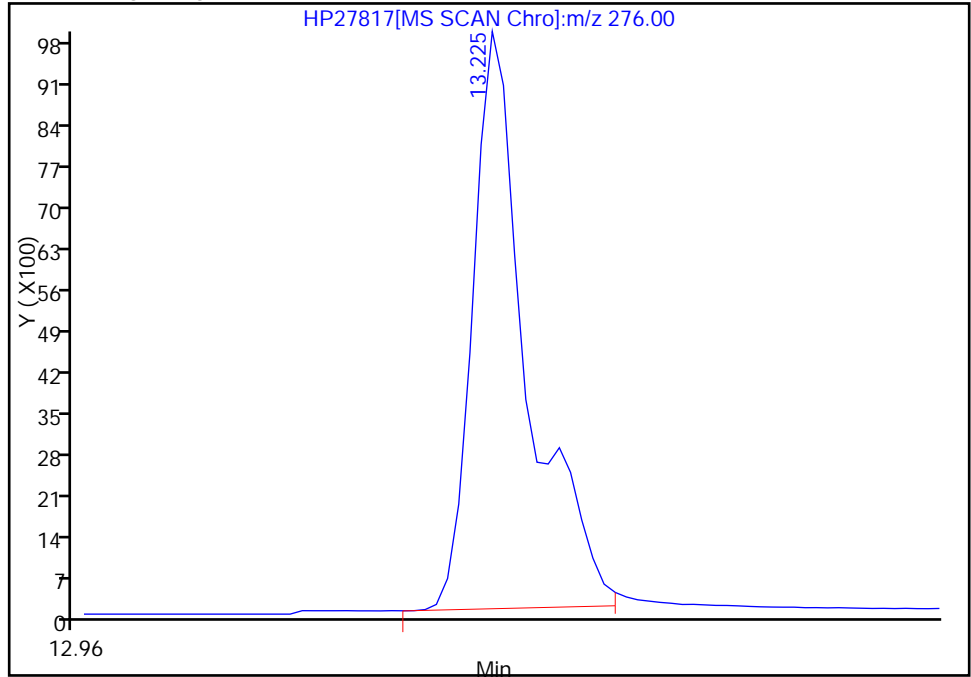
Reviewer: tadesseb, 02-May-2012 12:11:27
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

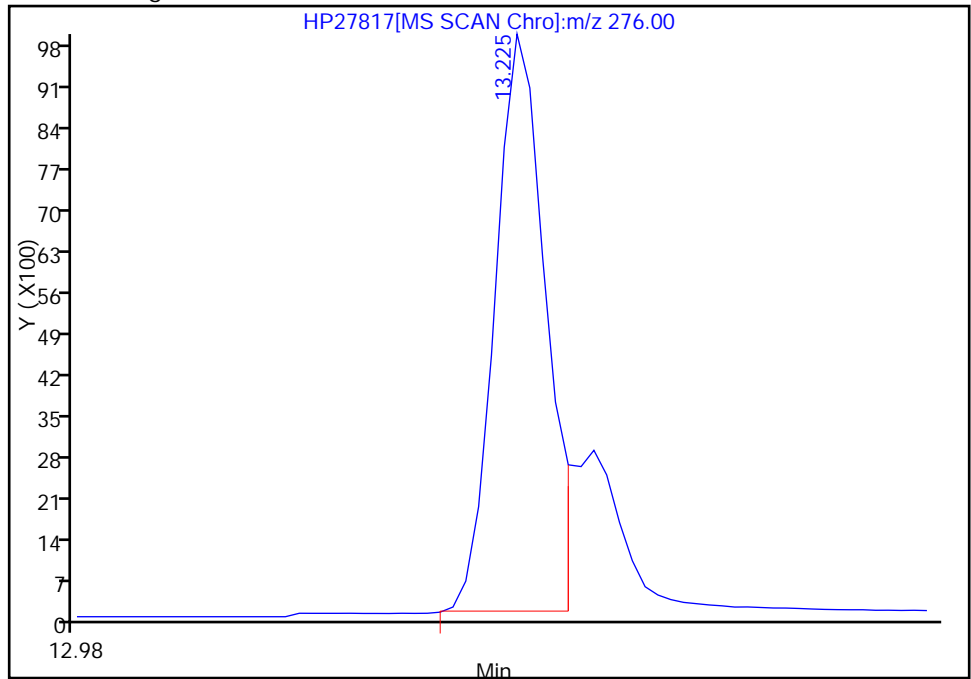
RT: 13.22
Response: 23805
Amount: 67.446781

Processing Integration Results



RT: 13.22
Response: 18865
Amount: 46.664064

Manual Integration Results



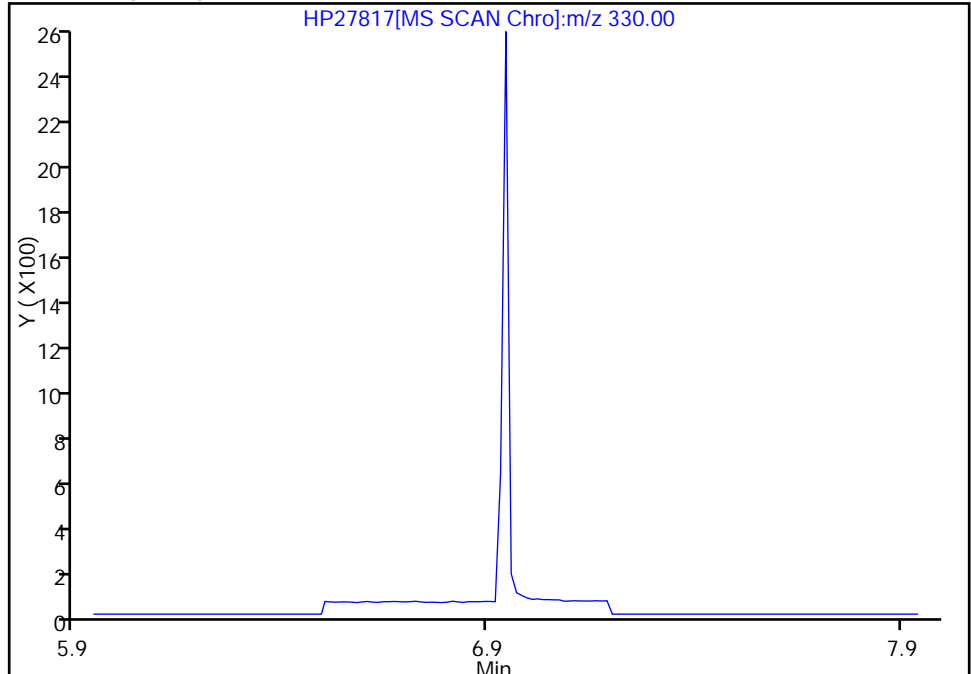
Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

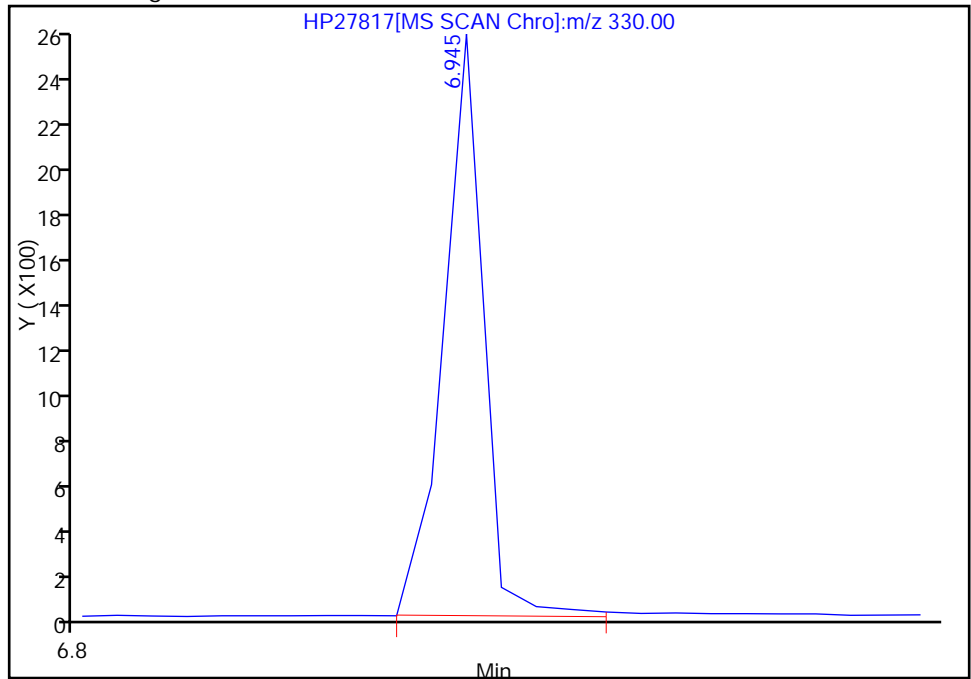
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 2502
Amount: 42.257750

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
 Lims ID: ic std 100.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:11:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: ic std 100.0 ppb
 Misc. Info.: 580-0022916-006 =580-0022916-006
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 110125 Lims Sample ID: 6
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:09 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:00

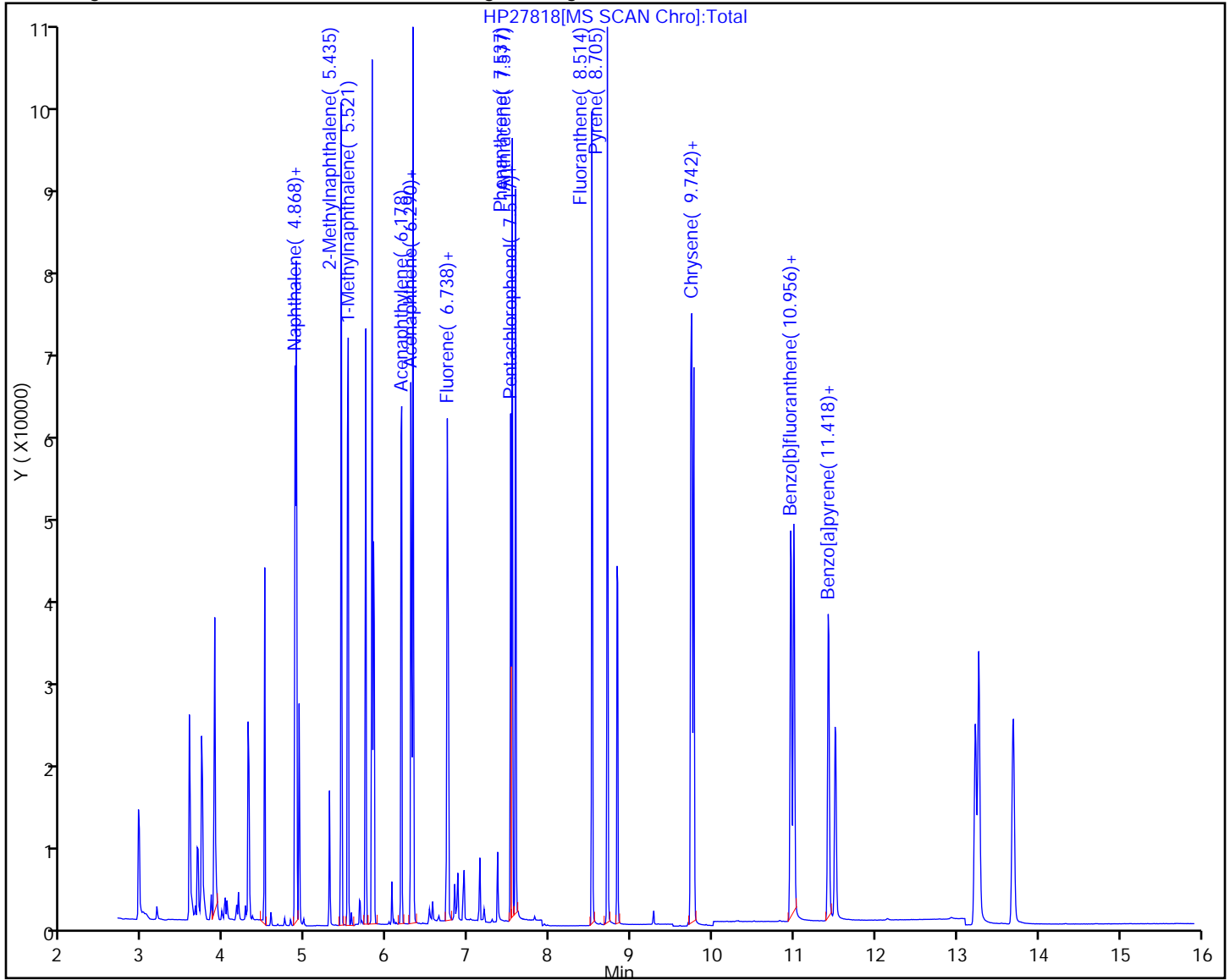
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	21949	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	50922	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28309	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43238	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	48113	98.1	
* 6 Perylene-d12	264	11.503	11.503	-0.001	1	36944	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	14915	88.9	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	41188	96.6	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	-0.001	0	5252	84.0	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	42931	91.7	
26 Naphthalene	128	4.882	4.882	0.0	1	55164	96.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	32106	96.2	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	31051	92.5	
31 Acenaphthylene	152	6.178	6.178	0.0	1	50006	94.9	
29 Acenaphthene	153	6.316	6.316	0.0	5	34434	96.8	
32 Fluorene	166	6.738	6.751	-0.013	1	35293	95.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	3570	71.8	M
37 Phenanthrene	178	7.537	7.537	0.0	1	52102	96.2	
38 Anthracene	178	7.577	7.577	0.0	1	49655	93.0	
42 Fluoranthene	202	8.514	8.514	0.0	1	56212	94.4	
41 Pyrene	202	8.705	8.705	0.0	39	58229	94.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	50582	93.6	
43 Chrysene	228	9.767	9.767	0.0	1	55272	98.6	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	48886	94.5	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	49615	94.7	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	41395	89.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	36404	87.1	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	40262	91.4	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	41853	91.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

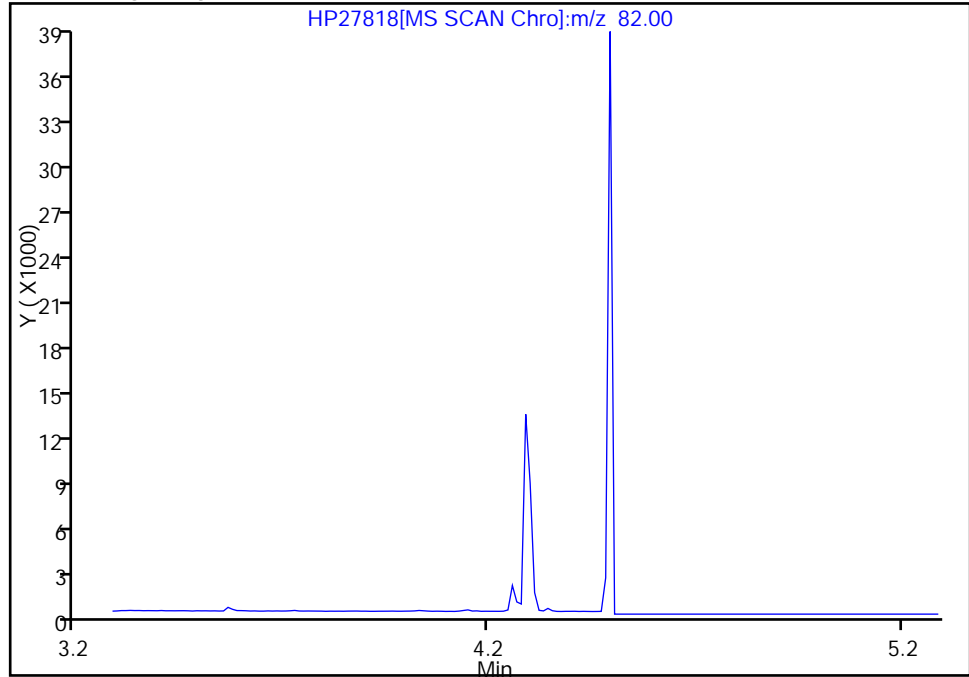


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

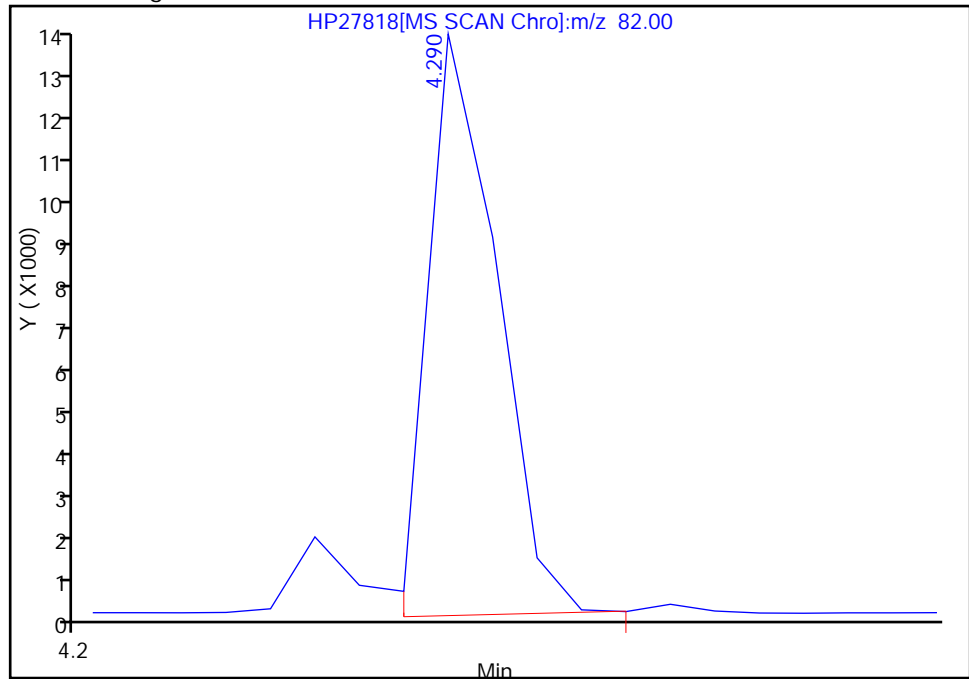
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 14915
Amount: 88.940460

Manual Integration Results



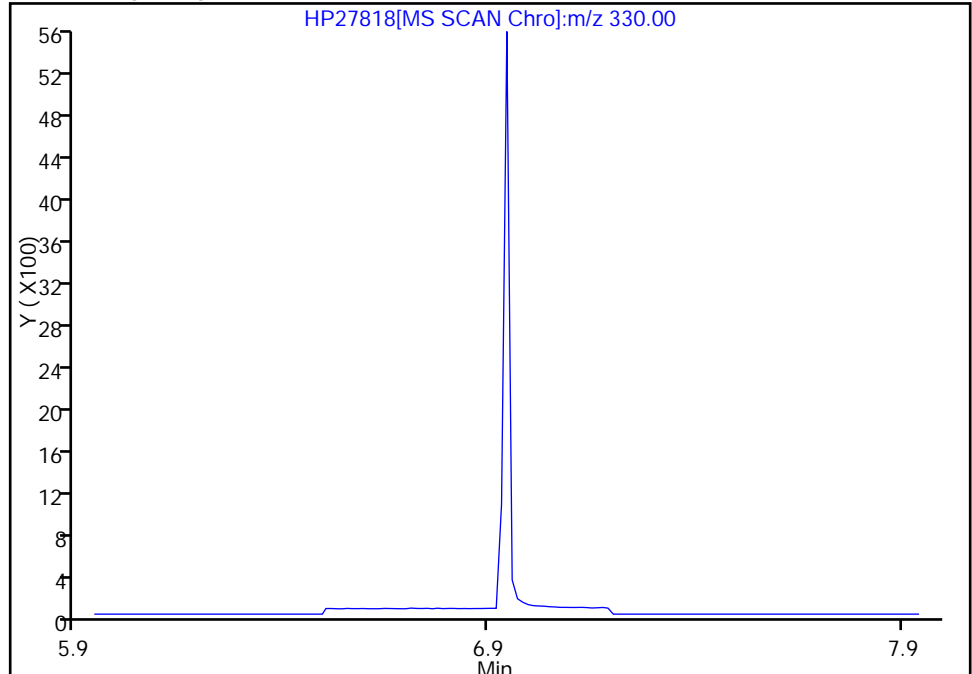
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

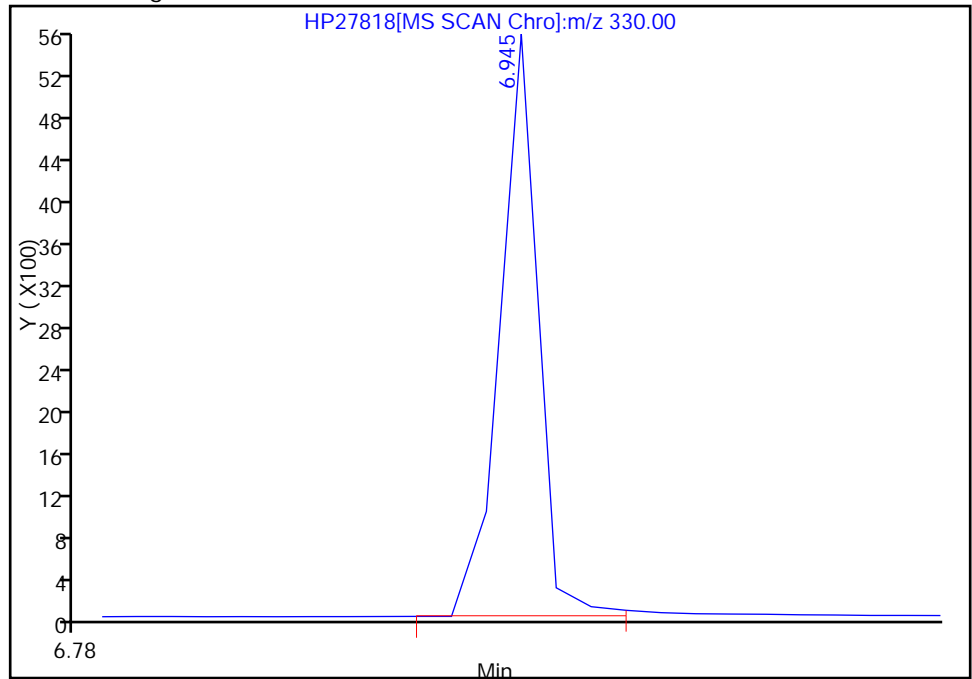
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 5252
Amount: 84.011604

Manual Integration Results



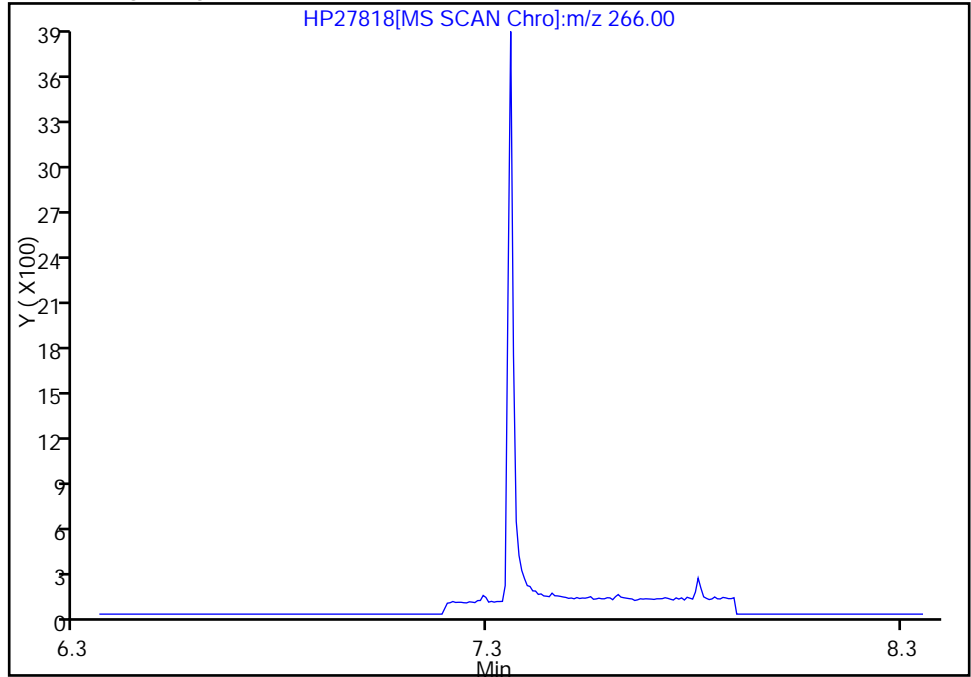
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

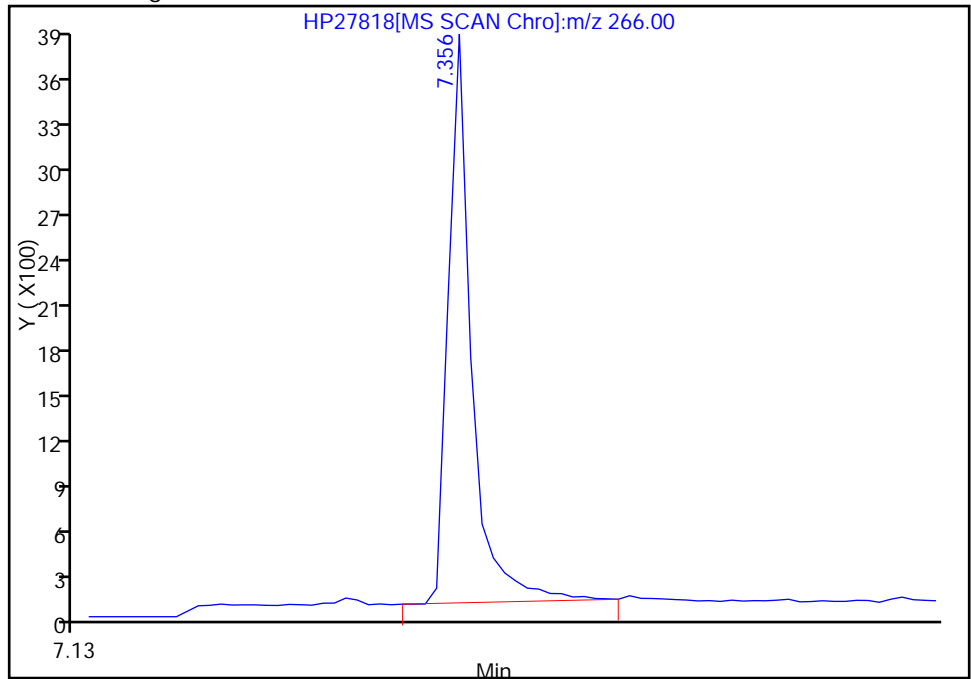
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 3570
Amount: 71.822668



Reviewer: tadesseb, 02-May-2012 12:12:09
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
 Lims ID: icis std 500.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:33:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 5
 Sample ID: icis std 500.0 ppb
 Misc. Info.: 580-0022916-007 =580-0022916-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 110125 Lims Sample ID: 7
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:46 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:27

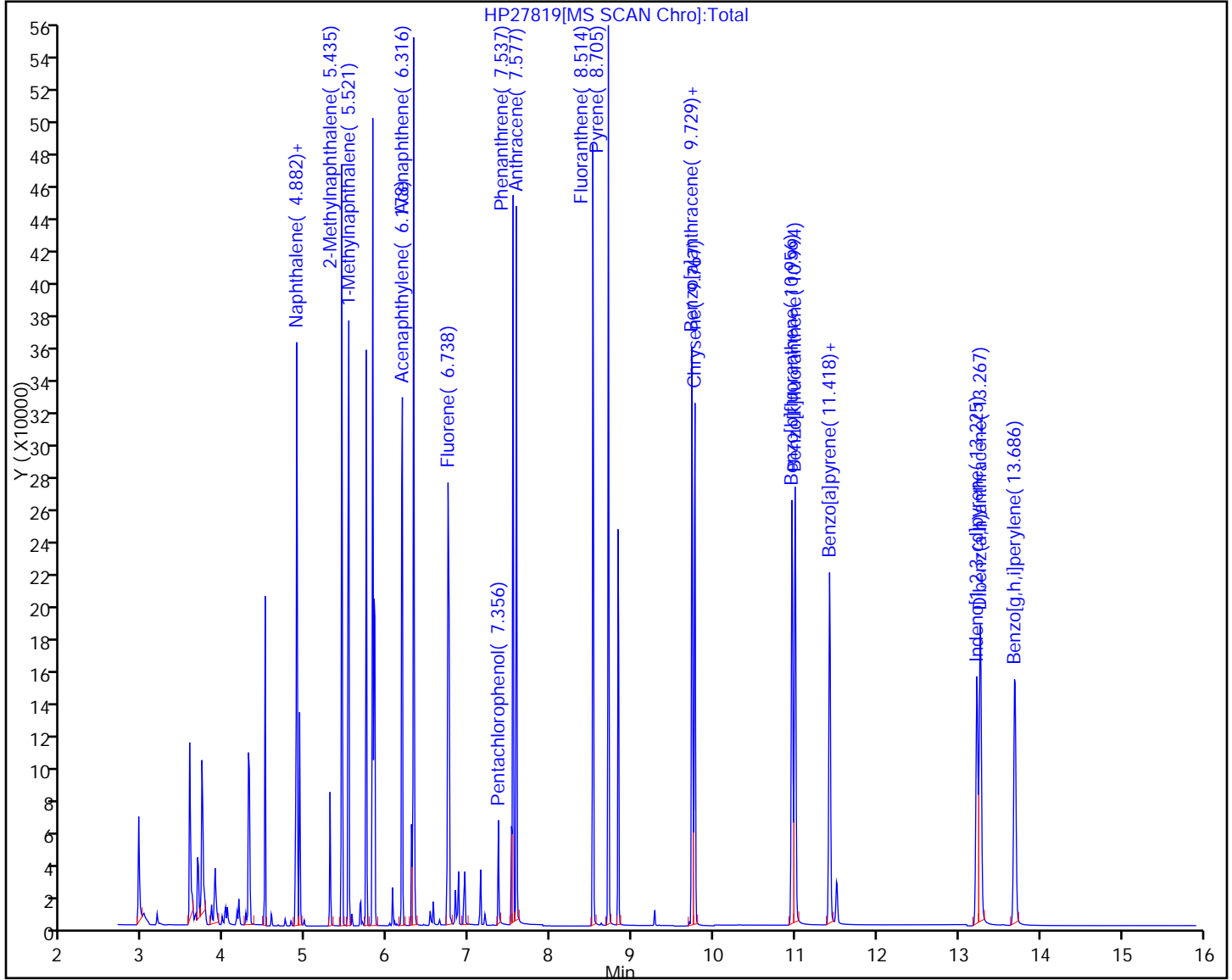
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	30839	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49046	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27682	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	42366	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	50070	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	38494	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	72453	448.6	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	190975	457.8	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	28539	449.8	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	211211	460.7	
26 Naphthalene	128	4.882	4.882	0.0	1	257995	468.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	149594	465.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	148418	458.8	
31 Acenaphthylene	152	6.178	6.178	0.0	1	242319	470.2	
29 Acenaphthene	153	6.316	6.316	0.0	5	163940	471.2	
32 Fluorene	166	6.751	6.751	0.0	1	171891	476.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	25147	459.1	M
37 Phenanthrene	178	7.537	7.537	0.0	1	247239	465.7	
38 Anthracene	178	7.577	7.577	0.0	1	243260	464.8	
42 Fluoranthene	202	8.514	8.514	0.0	1	274832	471.3	
41 Pyrene	202	8.705	8.705	0.0	39	282760	466.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	267204	475.2	
43 Chrysene	228	9.767	9.767	0.0	1	270938	464.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	258574	479.9	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	260959	478.2	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	231380	481.3	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	216495	496.9	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	232333	506.2	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	235538	494.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

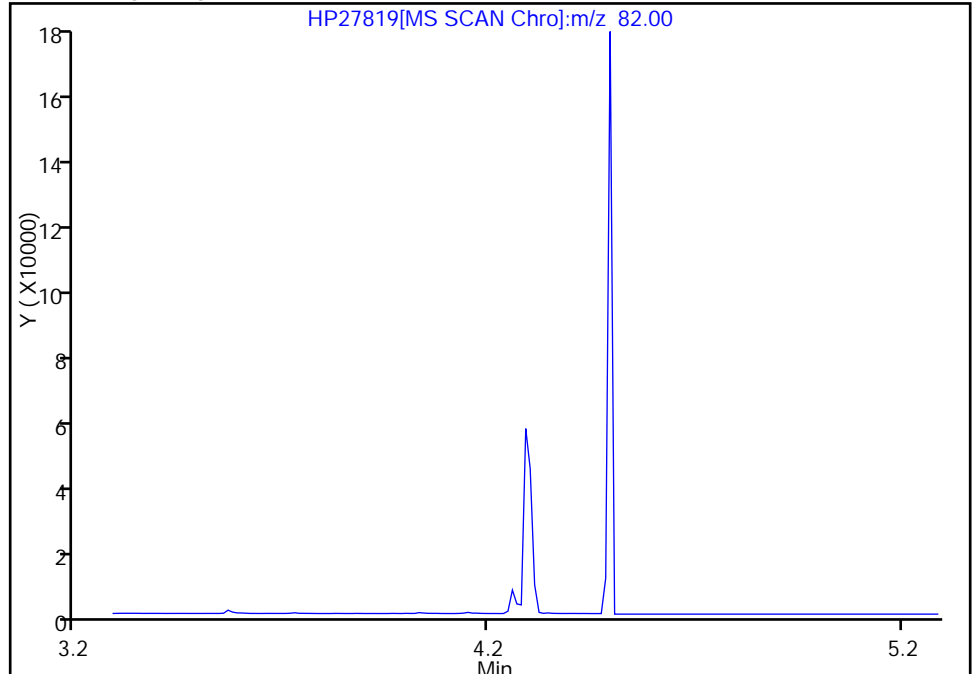


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

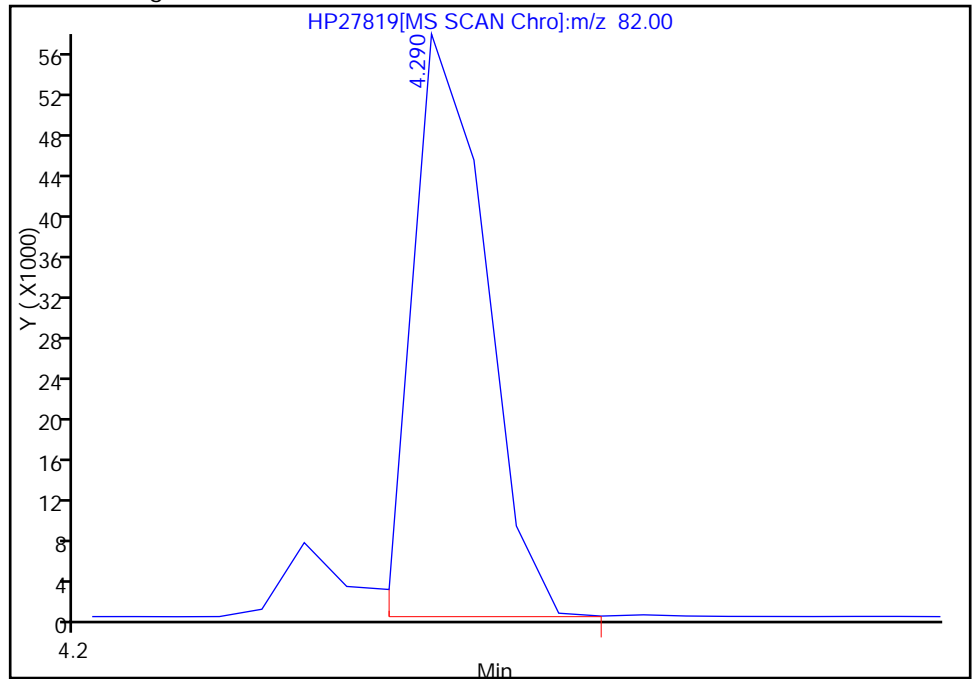
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 72453
Amount: 448.5743

Manual Integration Results



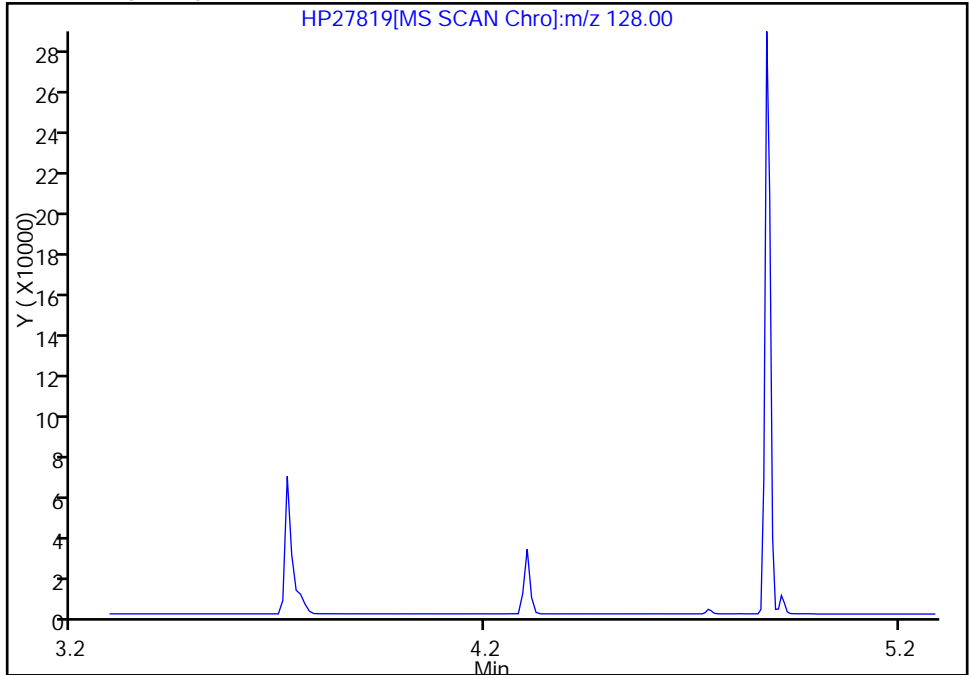
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 2, m/z: 128.0 Type: qualifier, RT: 4.29

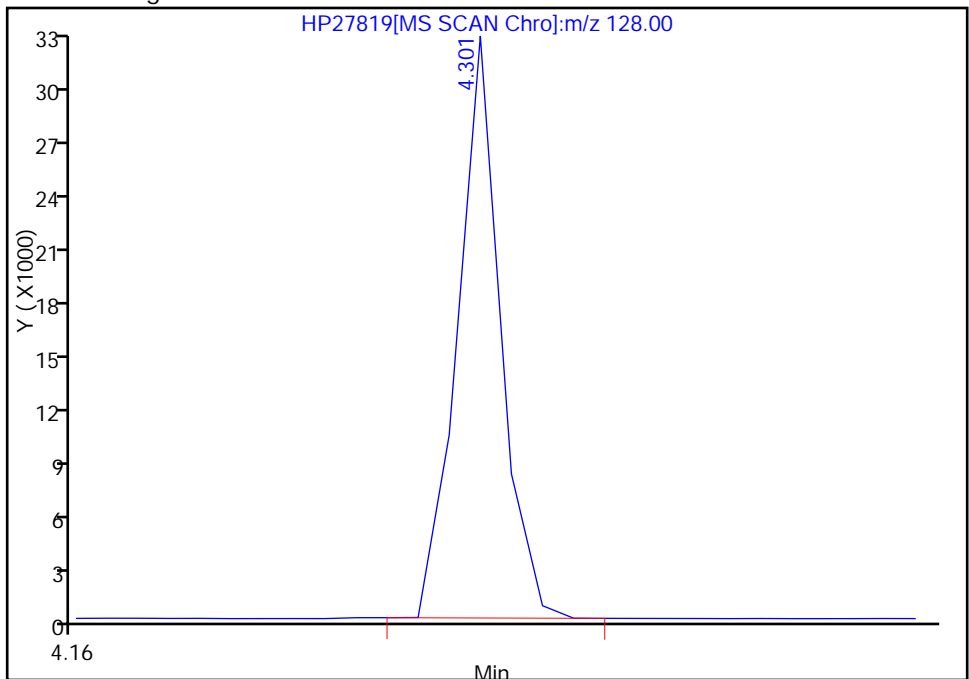
Processing Integration Results

Not Detected
Expected RT: 4.29



Manual Integration Results

RT: 4.30
Response: 32919
Amount: 0



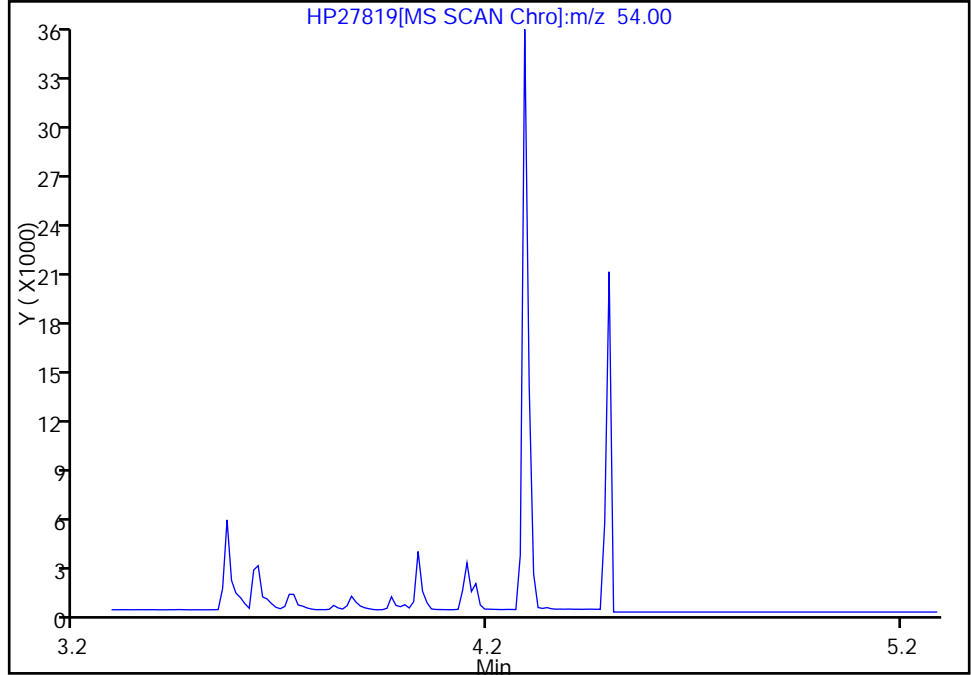
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

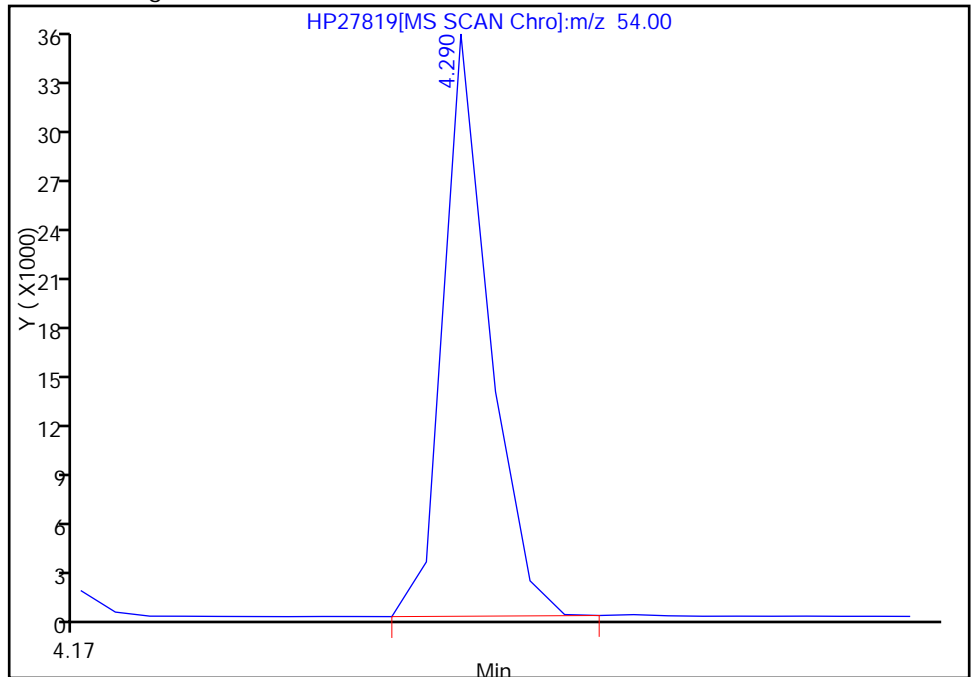
\$ 9 Nitrobenzene-d5, Signal: 3, m/z: 54.0 Type: qualifier, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 35214
Amount: 0

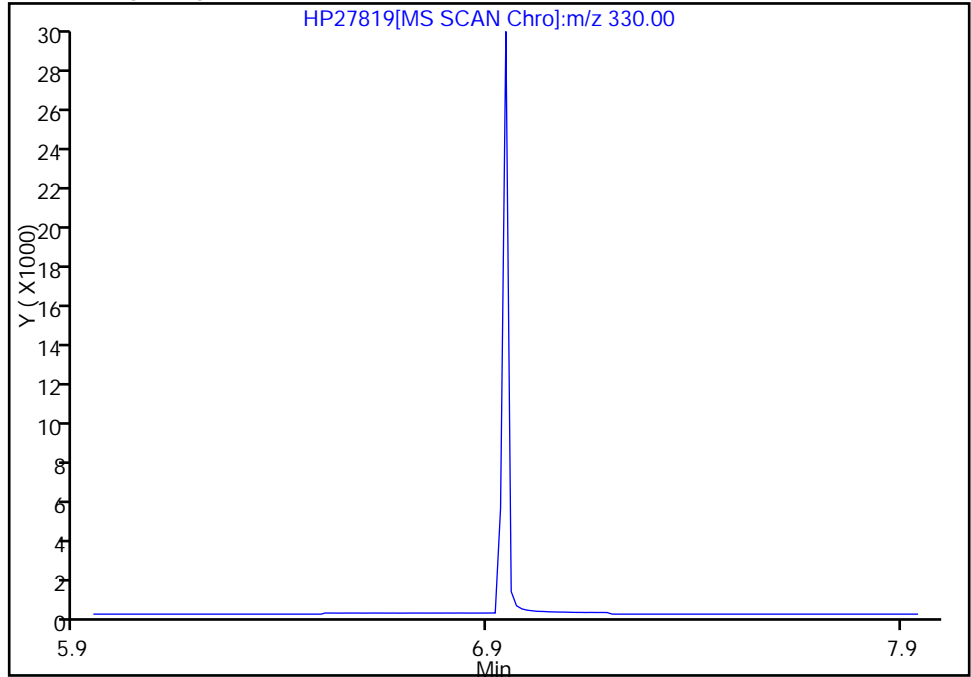
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

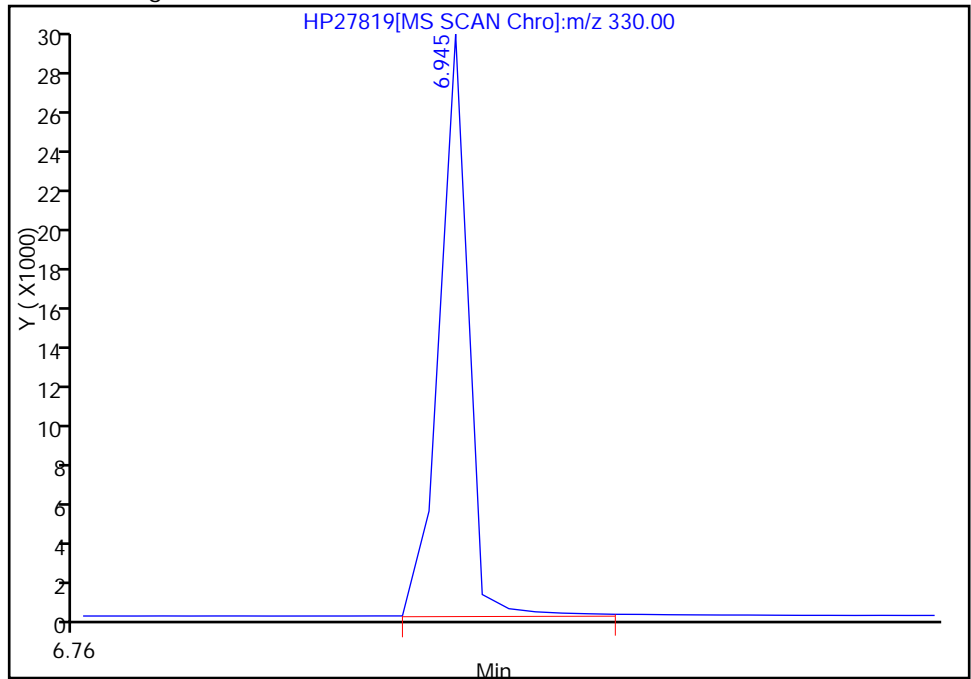
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 28539
Amount: 449.7762

Manual Integration Results



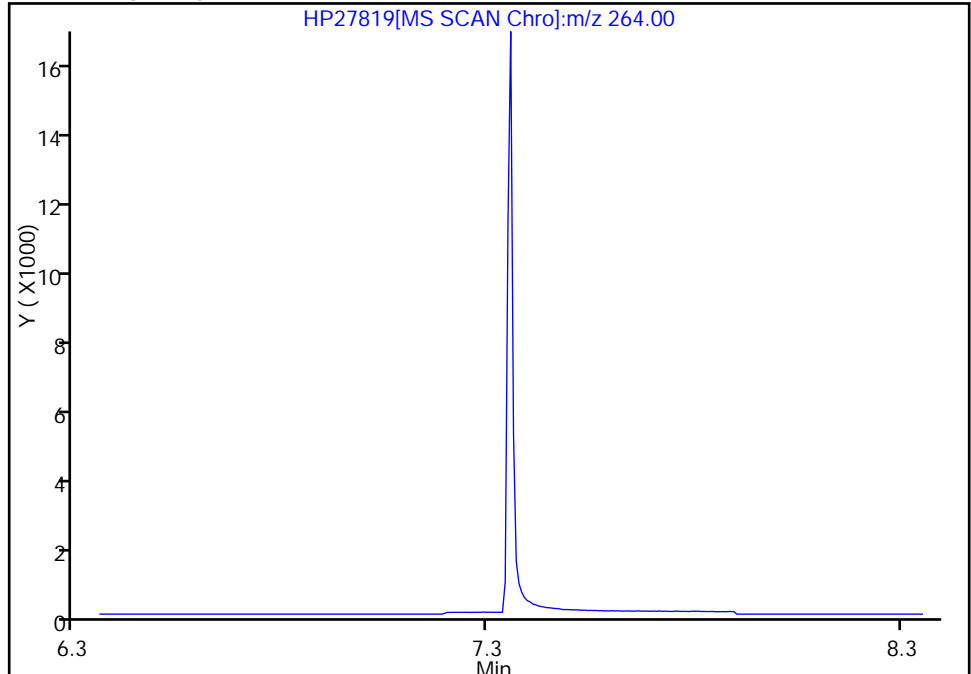
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 2, m/z: 264.0 Type: qualifier, RT: 7.36

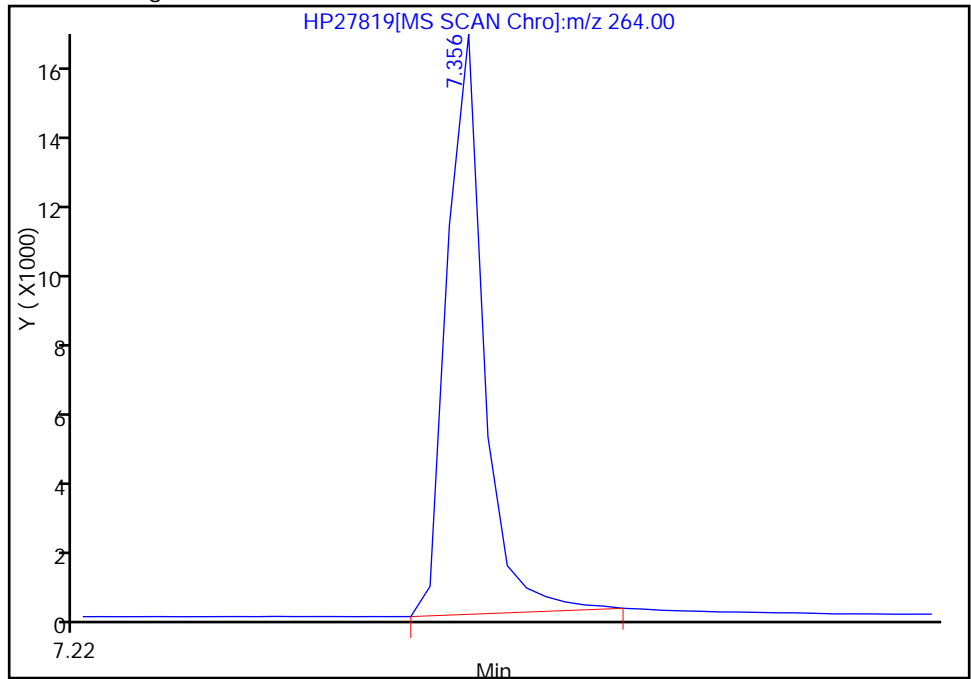
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 14751
Amount: 0

Manual Integration Results



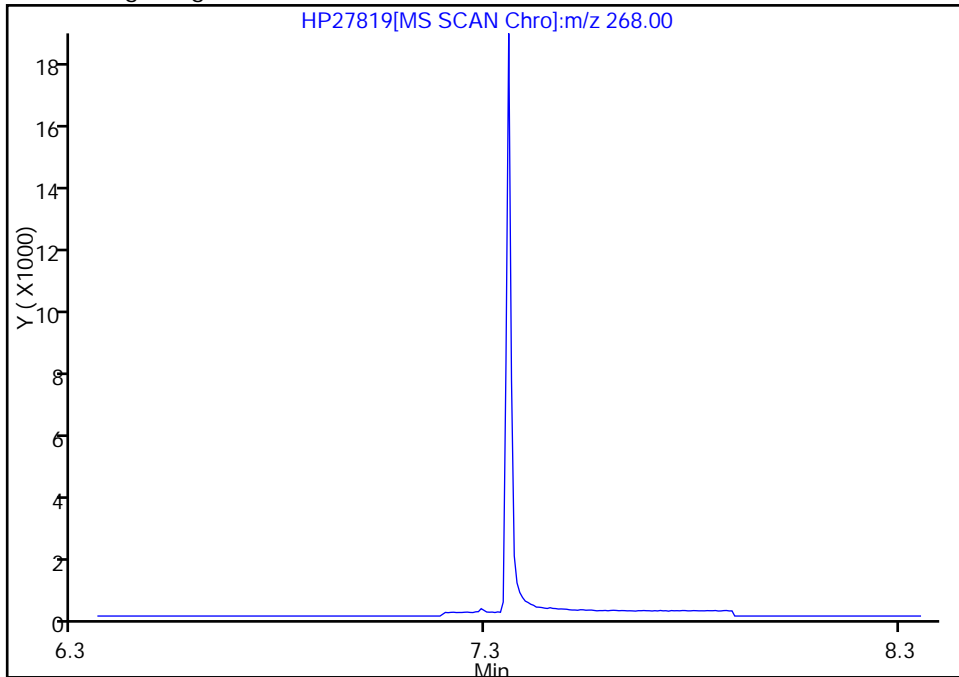
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 3, m/z: 268.0 Type: qualifier, RT: 7.36

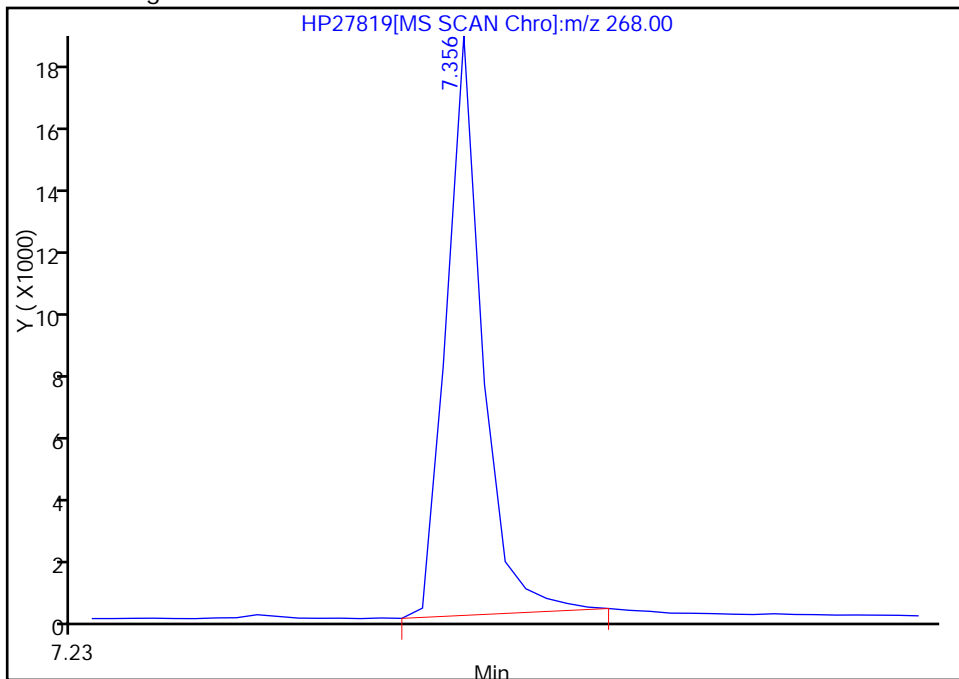
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 15042
Amount: 0



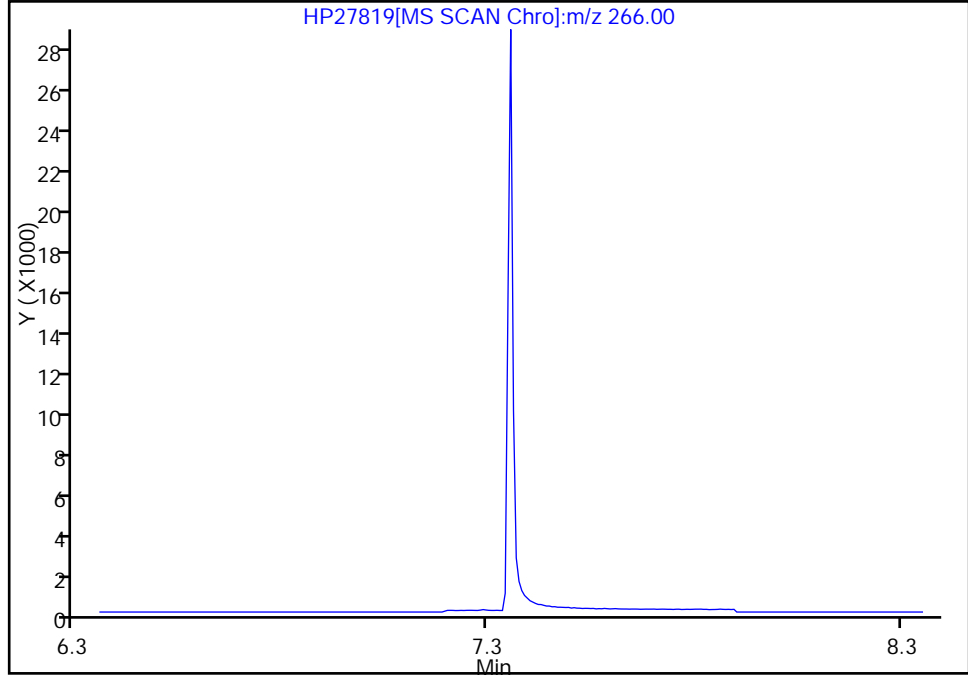
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

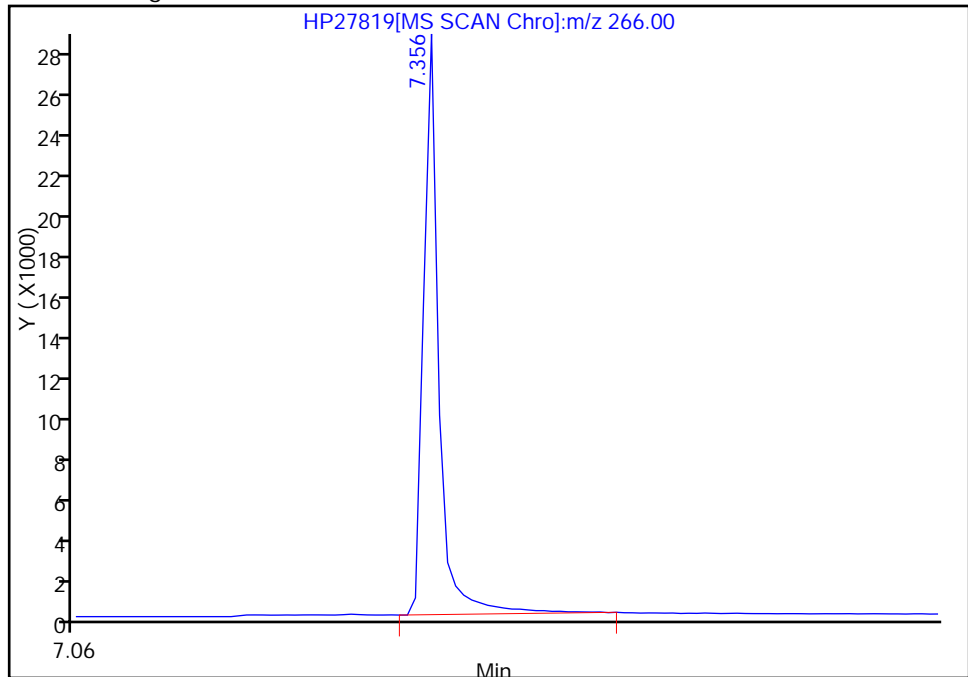
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 25147
Amount: 459.1316



Reviewer: tadesseb, 02-May-2012 12:12:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
 Lims ID: ic std 1000 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: bic std 1000 ppb
 Misc. Info.: 580-0022916-008 =580-0022916-008
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 110125 Lims Sample ID: 8
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:42 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:42

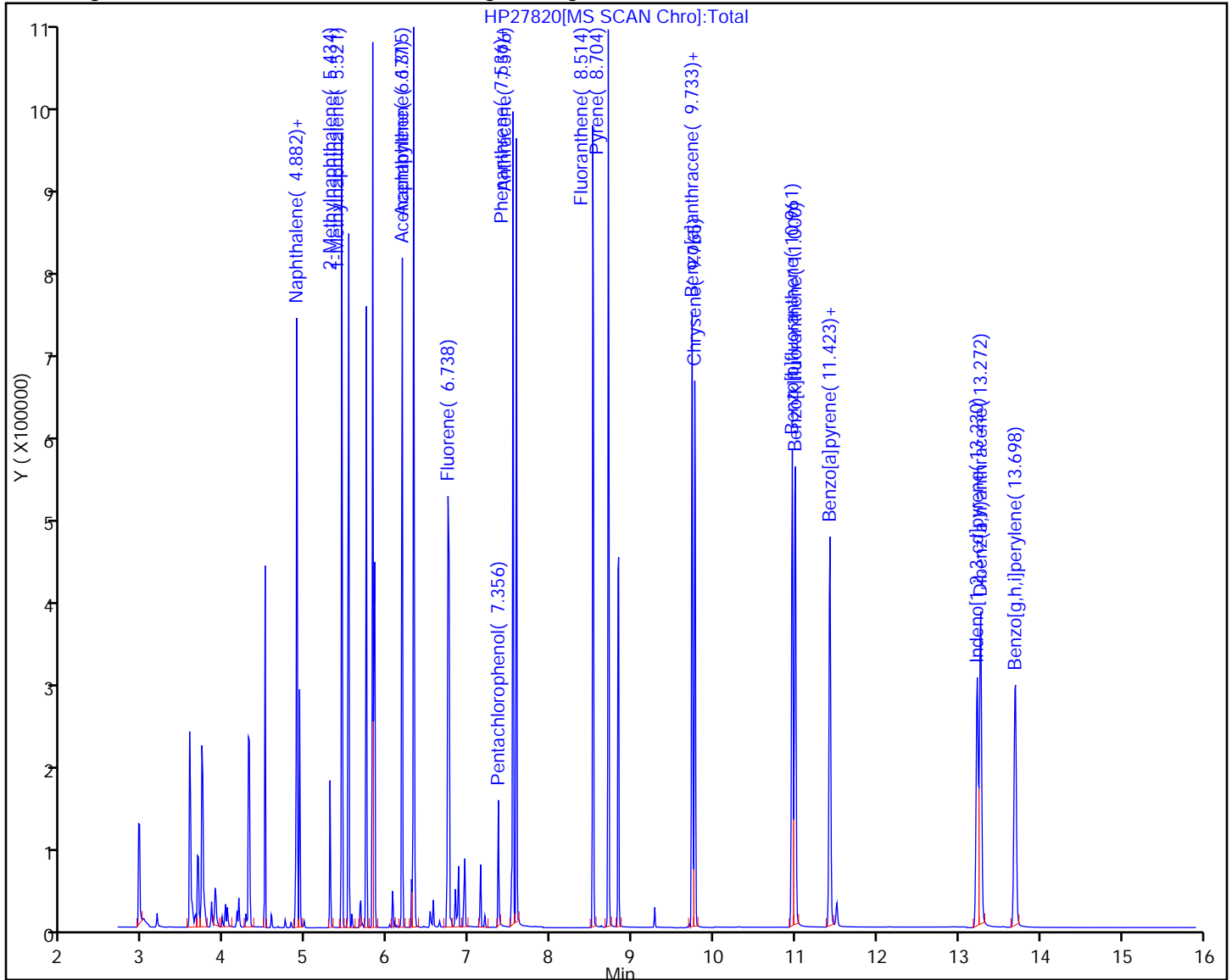
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.891	3.881	0.010	1	42417	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	48871	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27787	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41961	98.0	
* 5 Chrysene-d12	240	9.746	9.742	0.004	1	49775	98.1	
* 6 Perylene-d12	264	11.508	11.503	0.005	1	38679	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	155476	966.0	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	388074	926.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	65796	996.0	M
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	431031	949.2	
26 Naphthalene	128	4.882	4.882	0.0	1	526496	959.5	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	304972	952.0	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	301833	936.5	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	515994	997.5	
29 Acenaphthene	153	6.315	6.316	-0.001	6	334188	956.9	
32 Fluorene	166	6.751	6.751	0.0	1	346324	956.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	56922	981.3	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	503131	956.8	
38 Anthracene	178	7.576	7.577	-0.001	1	507513	979.2	
42 Fluoranthene	202	8.514	8.514	0.0	1	568358	984.0	
41 Pyrene	202	8.704	8.705	-0.001	39	592192	985.3	
44 Benzo[a]anthracene	228	9.733	9.729	0.004	1	566855	1014.2	
43 Chrysene	228	9.765	9.767	-0.002	1	545769	940.8	
45 Benzo[b]fluoranthene	252	10.961	10.956	0.005	1	510819	943.6	
46 Benzo[k]fluoranthene	252	11.000	10.994	0.006	1	559002	1019.5	
47 Benzo[a]pyrene	252	11.423	11.418	0.005	1	489634	1013.5	
50 Indeno[1,2,3-cd]pyrene	276	13.230	13.225	0.005	1	431662	986.0	
49 Dibenz(a,h)anthracene	278	13.272	13.267	0.005	1	451123	978.2	
51 Benzo[g,h,i]perylene	276	13.698	13.693	0.005	1	453172	946.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

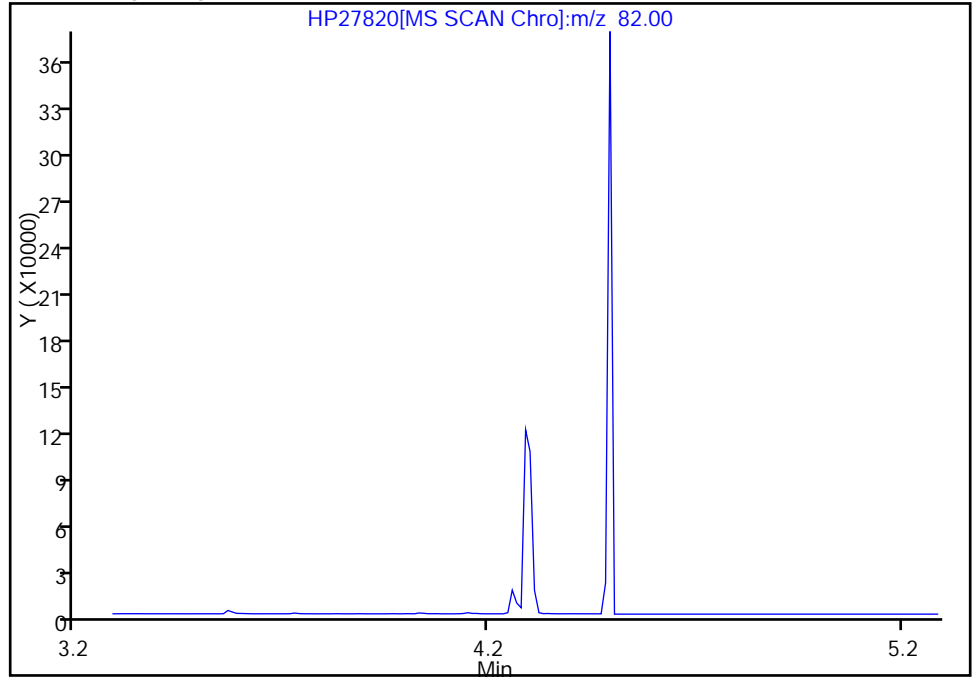


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

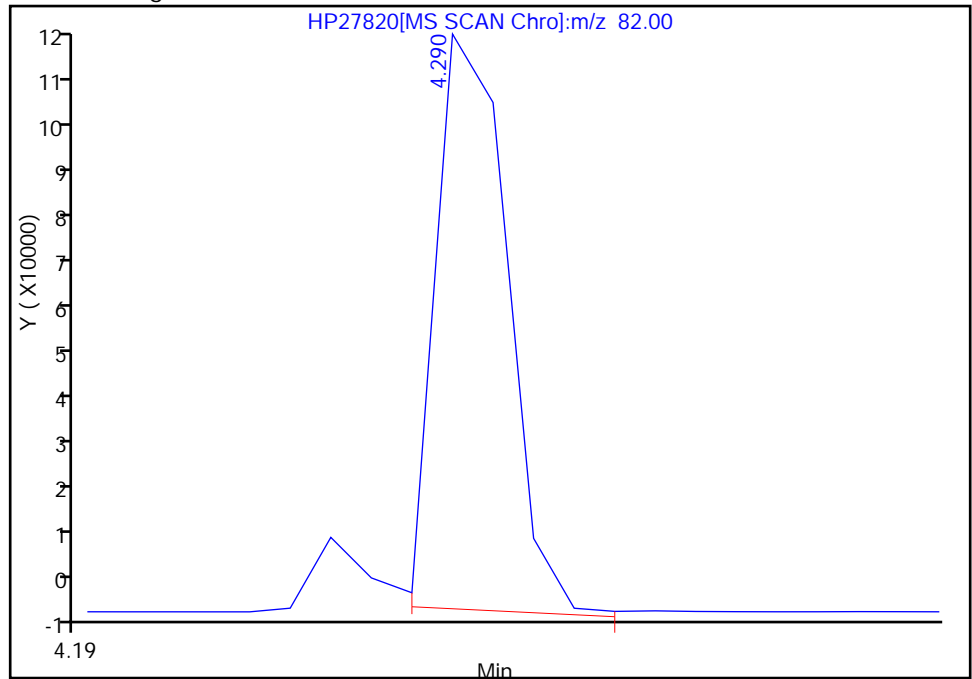
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 155476
Amount: 966.0369

Manual Integration Results



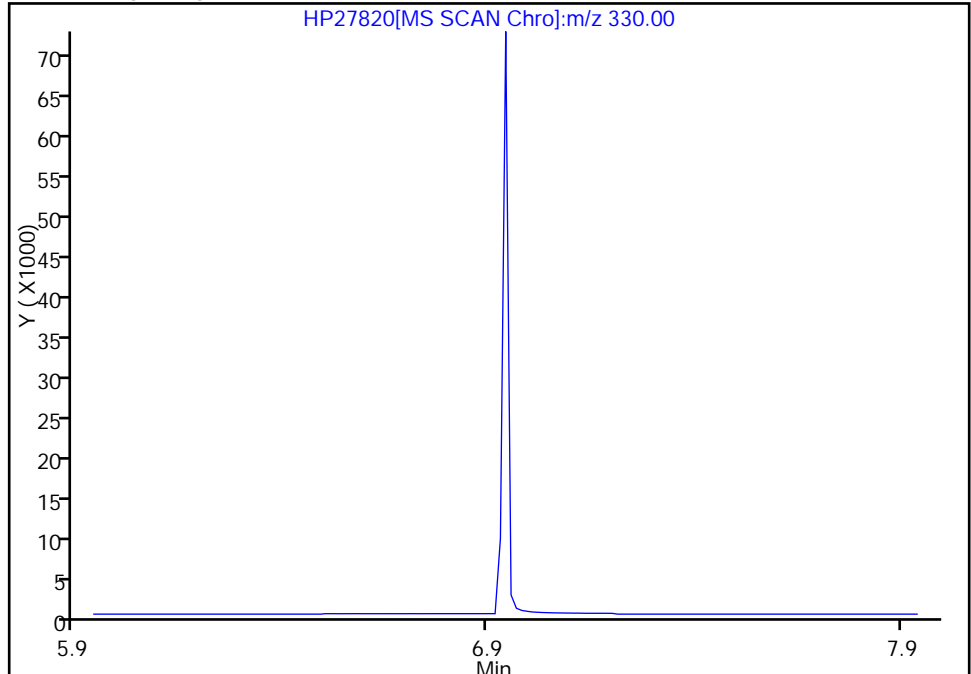
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

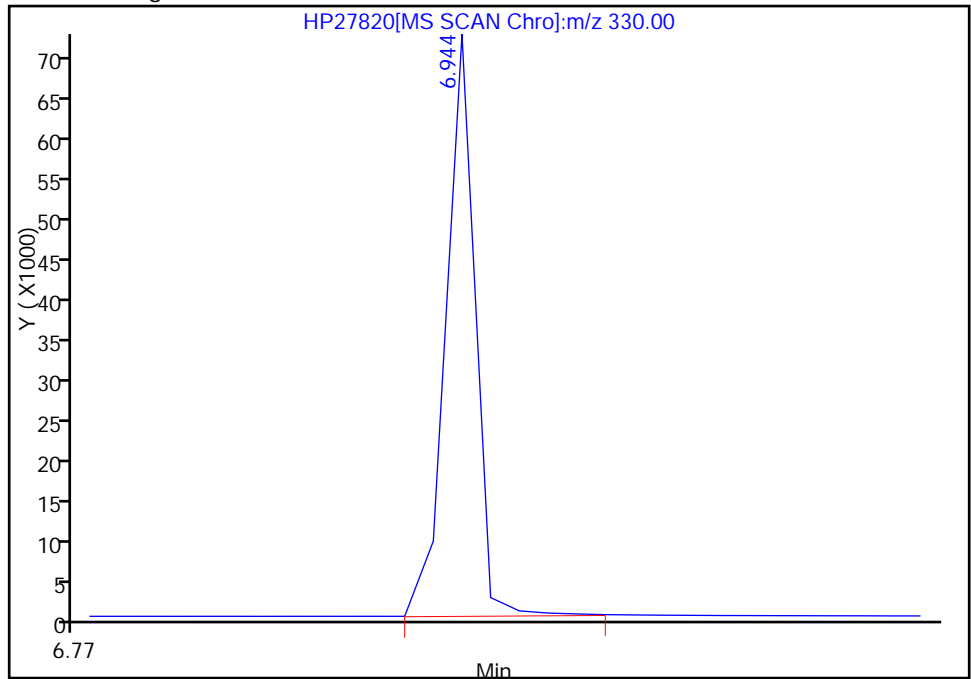
Processing Integration Results

Not Detected
Expected RT: 6.94



Manual Integration Results

RT: 6.94
Response: 65796
Amount: 995.9877



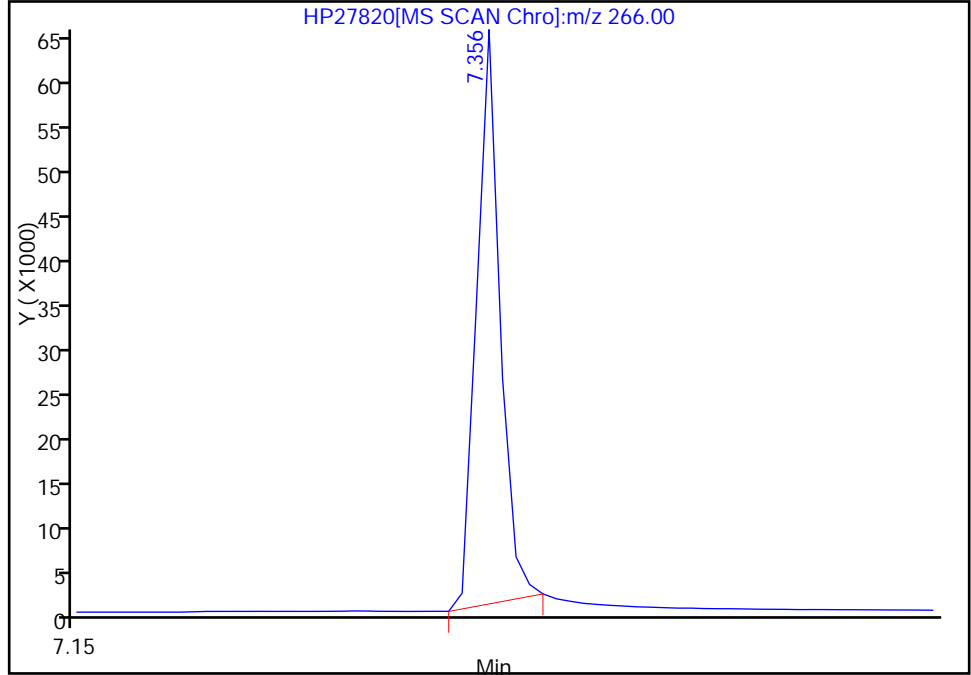
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

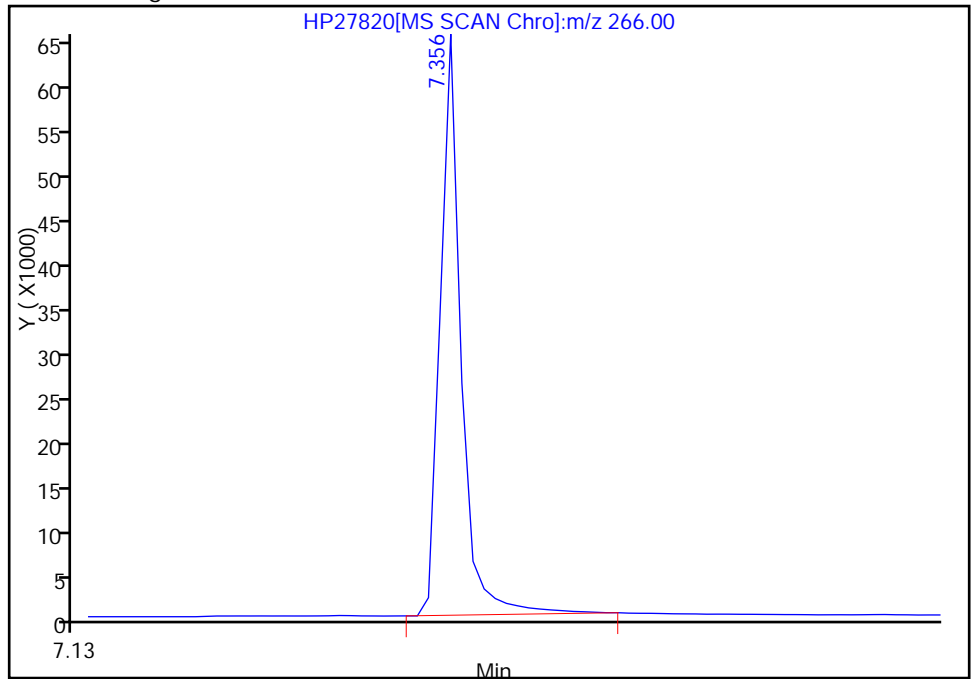
RT: 7.36
Response: 52194
Amount: 999.2435

Processing Integration Results



RT: 7.36
Response: 56922
Amount: 981.2682

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
 Lims ID: ic std 2000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: ic std 2000 ppb
 Misc. Info.: 580-0022916-009 =580-0022916-009
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 110125 Lims Sample ID: 9
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:58 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:58

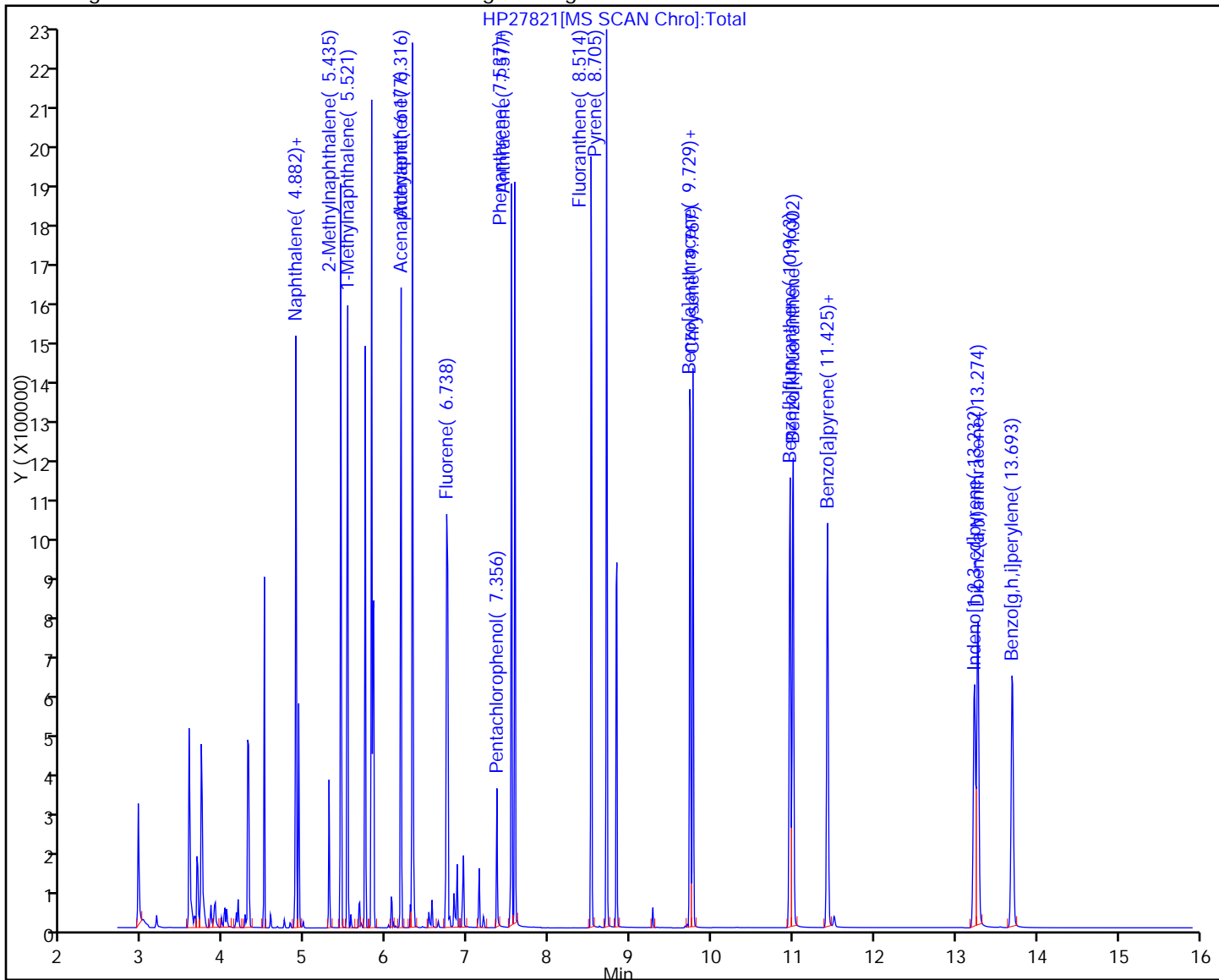
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	67151	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	48788	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27715	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41155	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	50911	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	38940	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	322573	2007.7	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	798866	1912.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	142900	2034.7	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	901504	2024.0	
26 Naphthalene	128	4.882	4.882	0.0	1	1072090	1957.2	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	622591	1946.8	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	618740	1923.0	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	1067745	2069.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	685674	1968.5	
32 Fluorene	166	6.751	6.751	0.0	1	693578	1920.8	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	131497	2098.5	M
37 Phenanthrene	178	7.537	7.537	0.0	1	1016537	1971.0	
38 Anthracene	178	7.577	7.577	0.0	1	1047978	2061.5	
42 Fluoranthene	202	8.514	8.514	0.0	1	1190504	2101.5	
41 Pyrene	202	8.705	8.705	0.0	39	1237813	2099.9	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	1174411	2054.3	
43 Chrysene	228	9.767	9.767	0.0	1	1153508	1944.0	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	1104980	2027.4	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	1184758	2146.3	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	1057001	2173.3	
50 Indeno[1,2,3-cd]pyrene	276	13.232	13.225	0.007	1	948921	2153.0	M
49 Dibenz(a,h)anthracene	278	13.274	13.267	0.007	1	973945	2097.7	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	974794	2022.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

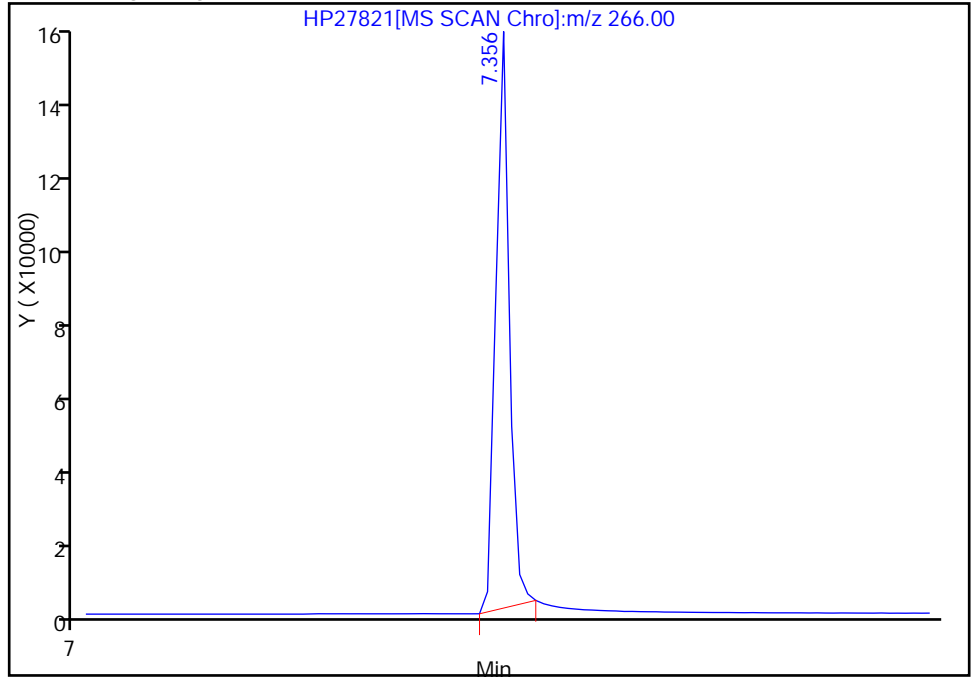


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

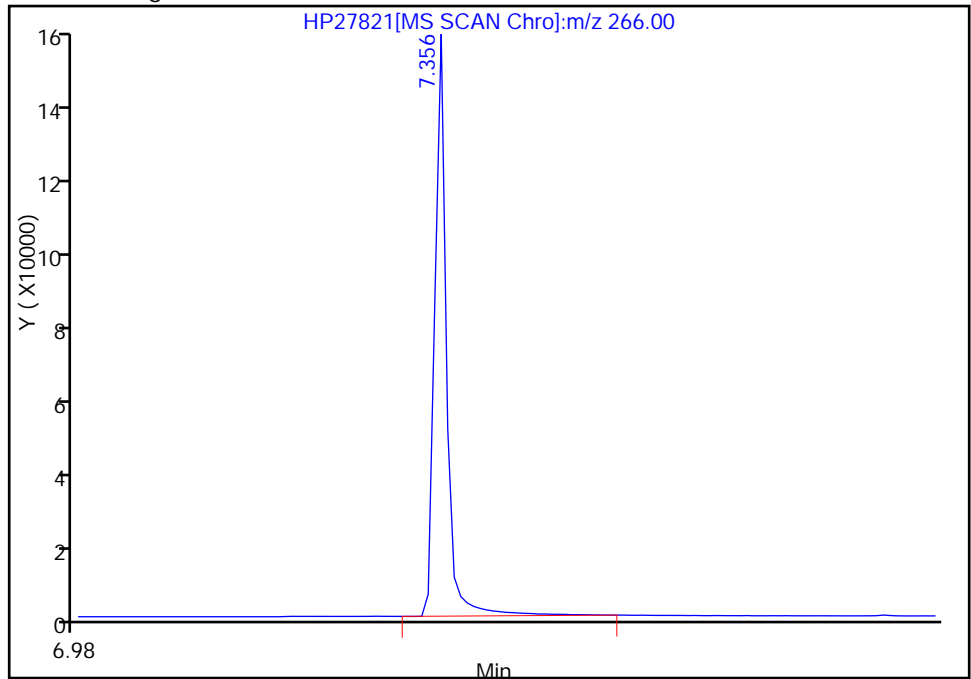
RT: 7.36
Response: 120123
Amount: 2022.2494

Processing Integration Results



RT: 7.36
Response: 131497
Amount: 2098.5122

Manual Integration Results



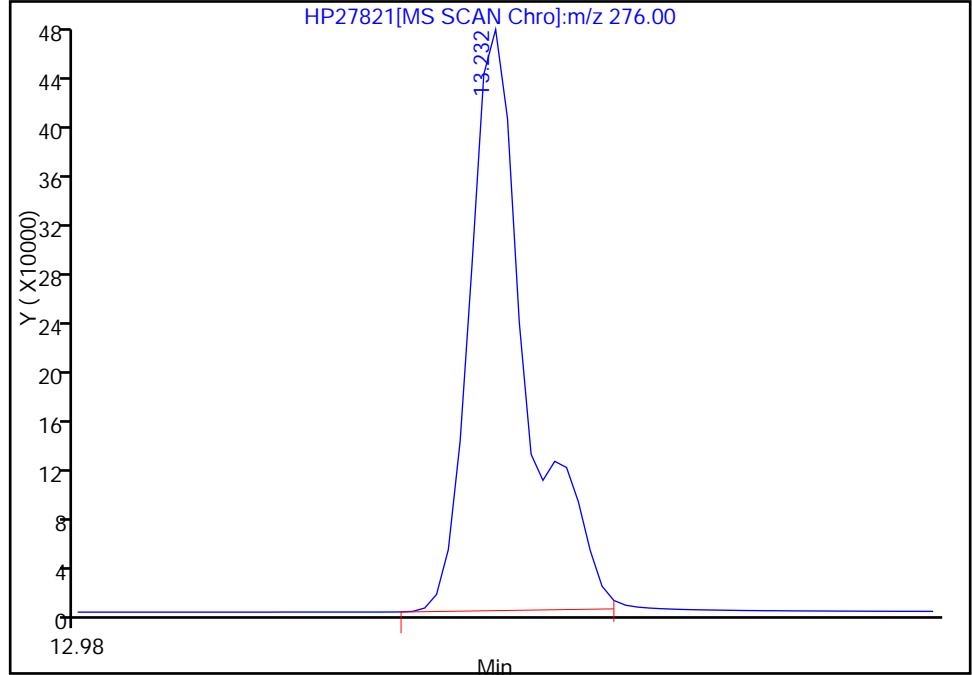
Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

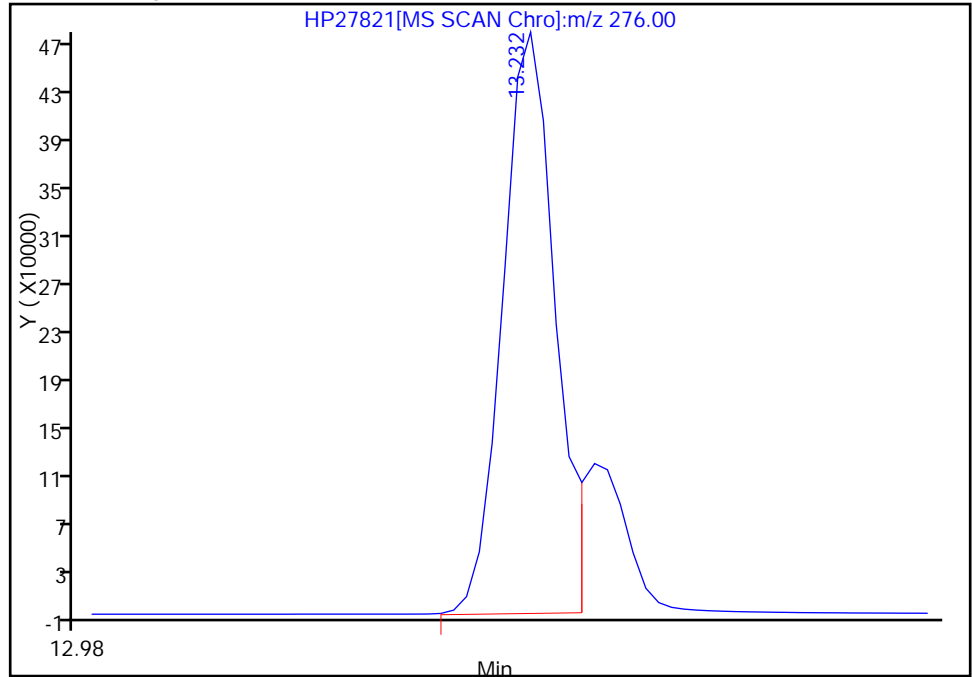
RT: 13.23
Response: 1137088
Amount: 2512.8959

Processing Integration Results



RT: 13.23
Response: 948921
Amount: 2153.0147

Manual Integration Results



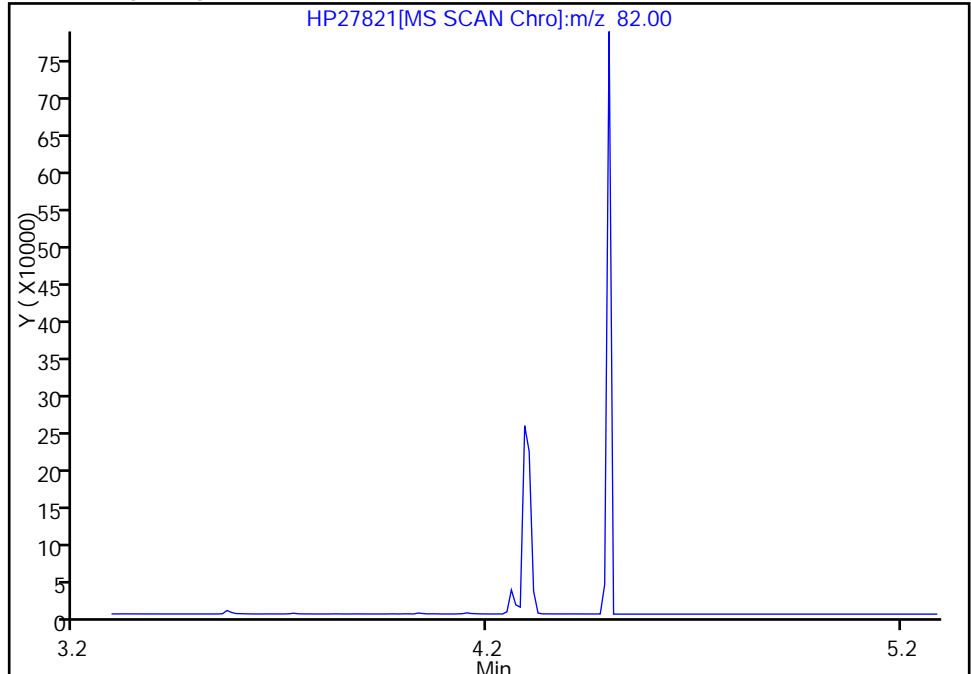
Reviewer: tadesseb, 27-Apr-2012 10:21:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

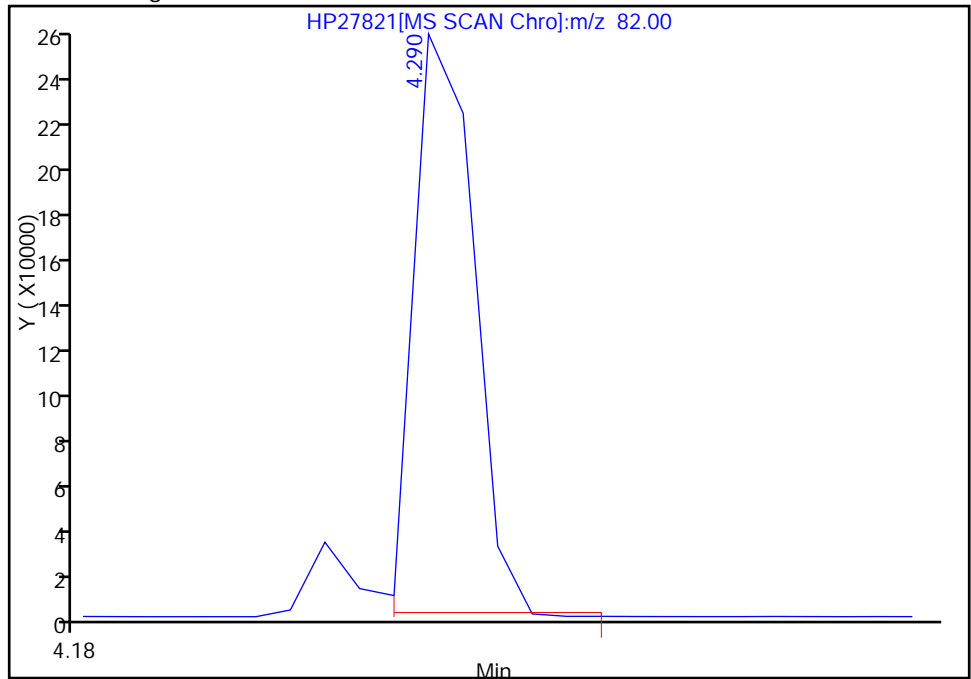
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 322573
Amount: 2007.6896

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Lims ID: ic std 5000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:38:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: ic std 5000 ppb
 Misc. Info.: 580-0022916-010 =580-0022916-010
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 110125 Lims Sample ID: 10
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:59:40

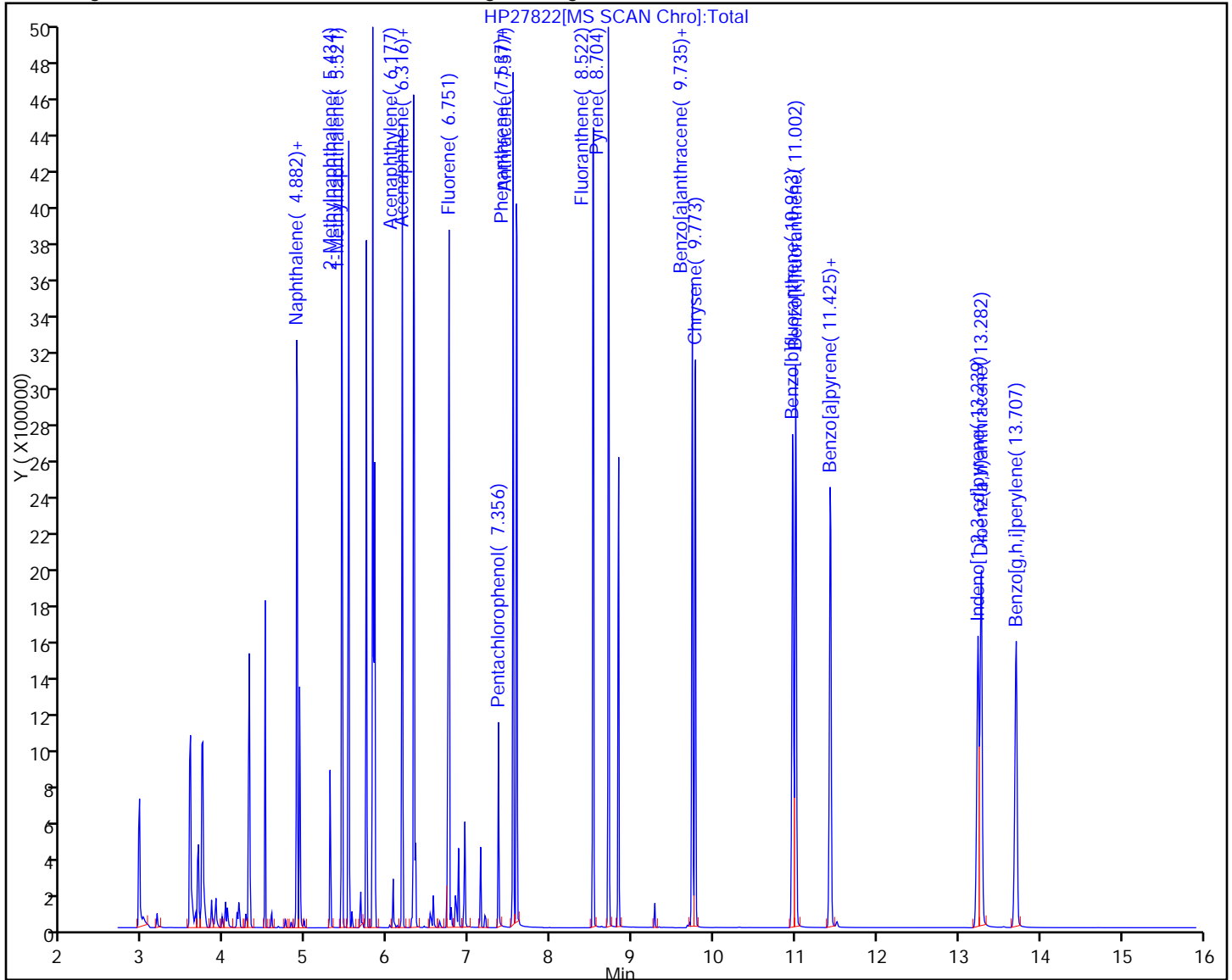
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	134506	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51007	95.2	
* 3 Acenaphthene-d10	164	6.298	6.290	0.008	1	29238	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	44224	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	53352	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	40975	98.9	
\$ 9 Nitrobenzene-d5	82	4.301	4.290	0.011	1	880358	5241.0	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	1969505	4470.2	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	425037	4905.2	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	2249893	4700.9	
26 Naphthalene	128	4.889	4.882	0.007	1	2684550	4687.7	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	1520695	4548.1	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	1528334	4543.3	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	2595885	4769.1	
29 Acenaphthene	153	6.316	6.316	0.0	5	1693739	4609.2	
32 Fluorene	166	6.751	6.751	0.0	1	1965794	5160.5	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	391605	4975.3	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2546197	4594.2	
38 Anthracene	178	7.577	7.577	0.0	1	2639536	4831.9	
42 Fluoranthene	202	8.522	8.514	0.008	1	2969613	4878.2	
41 Pyrene	202	8.704	8.705	-0.001	38	3038369	4796.7	
44 Benzo[a]anthracene	228	9.735	9.729	0.006	1	2918750	4871.9	
43 Chrysene	228	9.773	9.767	0.006	1	2766966	4449.8	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	2867529	5000.1	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	2774469	4776.6	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	2663923	5205.3	
50 Indeno[1,2,3-cd]pyrene	276	13.239	13.225	0.014	1	2417283	5212.2	M
49 Dibenz(a,h)anthracene	278	13.282	13.267	0.015	1	2433908	4981.9	
51 Benzo[g,h,i]perylene	276	13.707	13.693	0.014	1	2419736	4770.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

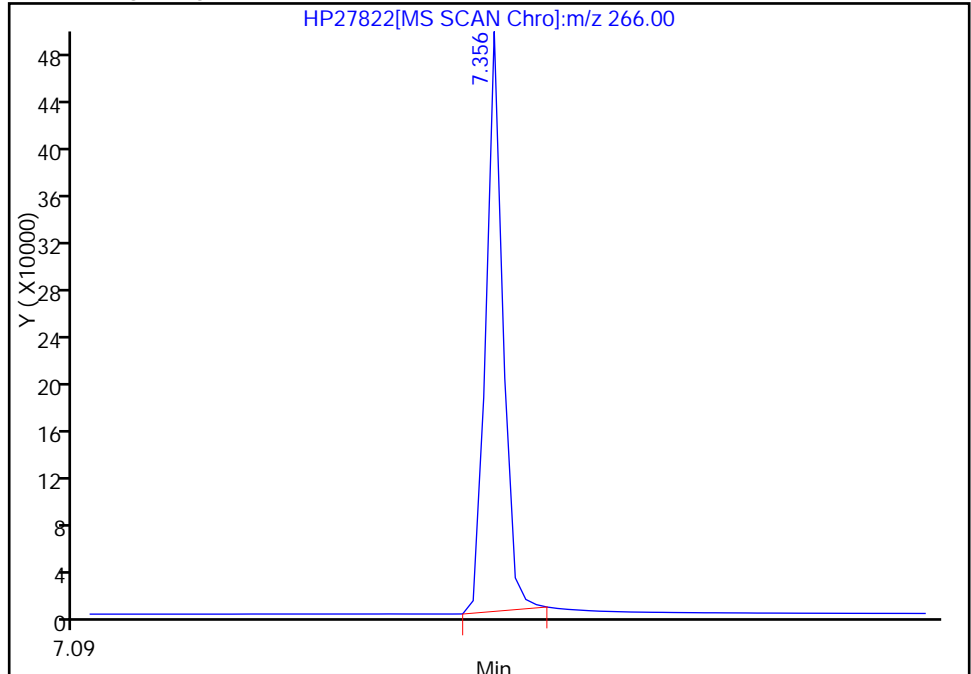


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

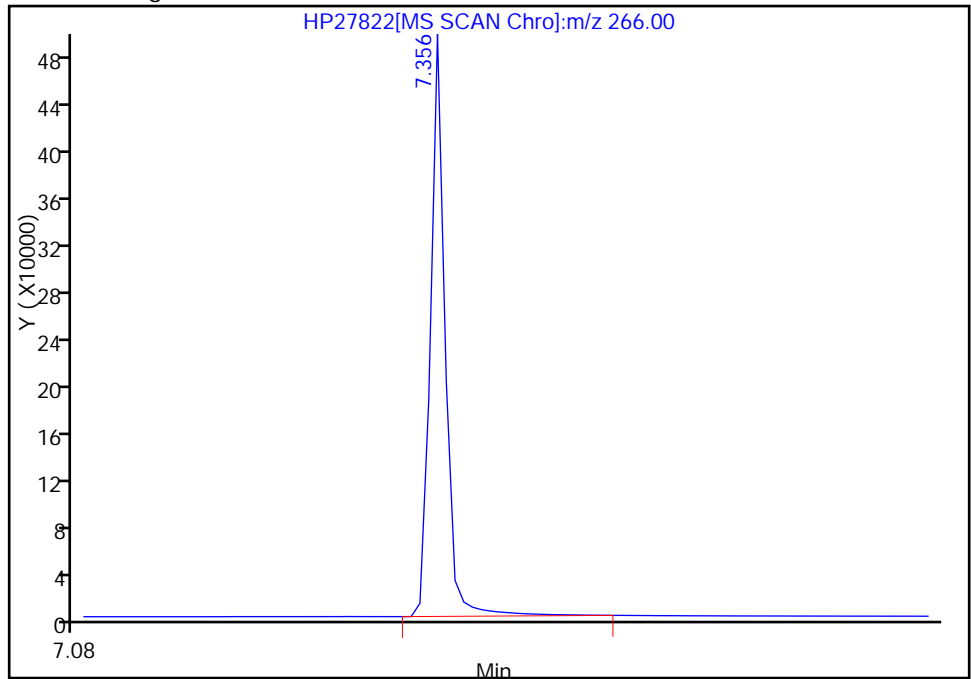
RT: 7.36
Response: 372952
Amount: 4968.7353

Processing Integration Results



RT: 7.36
Response: 391605
Amount: 4975.3373

Manual Integration Results



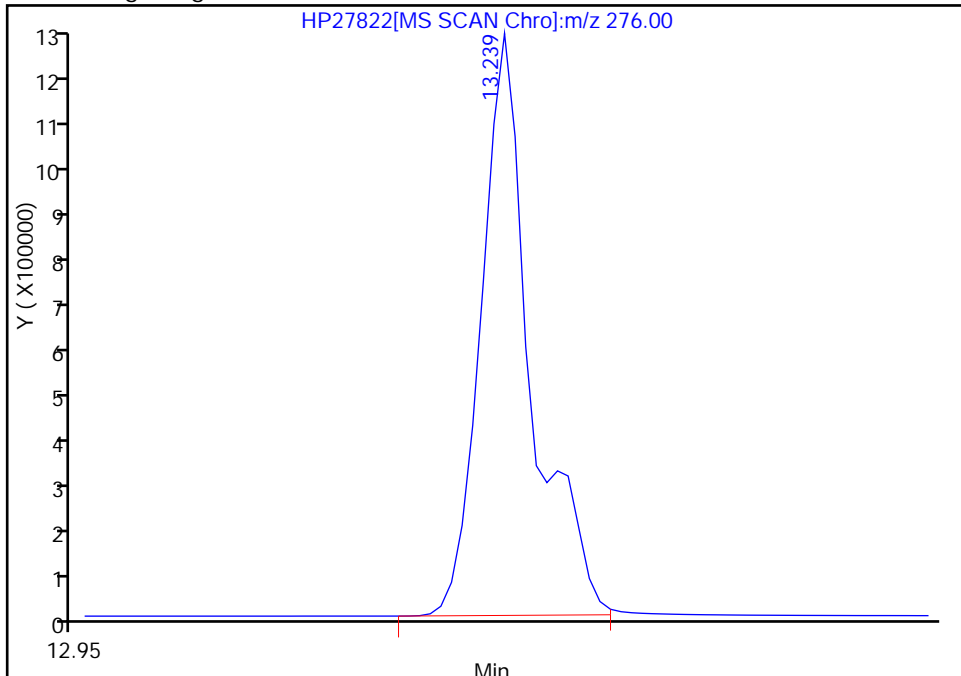
Reviewer: tadesseb, 27-Apr-2012 10:20:15
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

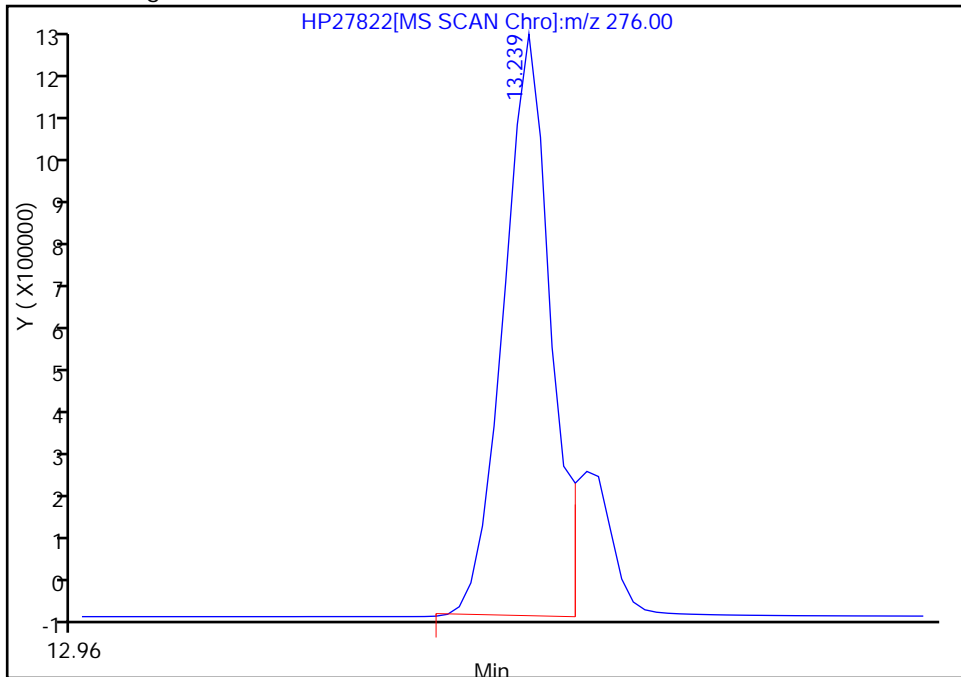
RT: 13.24
Response: 2868104
Amount: 5884.2653

Processing Integration Results



RT: 13.24
Response: 2417283
Amount: 5212.2042

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:21:00
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab Sample ID: ICV 580-110125/11 Calibration Date: 04/26/2012 19:00
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP27823.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.069	1.070		1000	1000	0.1	25.0
2-Methylnaphthalene	Ave	0.6240	0.6202		995	1000	-0.6	25.0
1-Methylnaphthalene	Ave	0.6278	0.6000		958	1000	-4.4	25.0
Acenaphthylene	Ave	1.824	1.929		1060	999	5.7	25.0
Acenaphthene	Ave	1.232	1.213		986	1000	-1.5	25.0
Fluorene	Ave	1.277	1.288		1010	1000	0.9	25.0
Pentachlorophenol	Qual		0.2146		1040	999	4.4	25.0
Phenanthrene	Ave	1.228	1.205		982	1000	-1.8	25.0
Anthracene	Ave	1.210	1.198		990	1000	-1.0	25.0
Fluoranthene	Ave	1.348	1.350		1000	1000	0.1	25.0
Pyrene	Ave	1.403	1.372		979	1000	-2.2	25.0
Benzo[a]anthracene	Ave	1.101	1.084		985	1000	-1.6	25.0
Chrysene	Ave	1.143	1.071		937	1000	-6.3	25.0
Benzo[b]fluoranthene	Ave	1.384	1.376		994	1000	-0.6	25.0
Benzo[k]fluoranthene	Ave	1.402	1.374		981	1000	-2.0	25.0
Benzo[a]pyrene	Ave	1.235	1.223		990	1000	-1.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	1.152		1030	1000	2.9	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.235		1050	999	4.8	25.0
Benzo[g,h,i]perylene	Ave	1.224	1.247		1020	1000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
 Lims ID: icv Client ID:
 Inject. Date: 26-Apr-2012 19:00:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: icv
 Misc. Info.: 580-0022916-011 =580-0022916-011
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 110125 Lims Sample ID: 11
 Sublist:
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 12:00:54

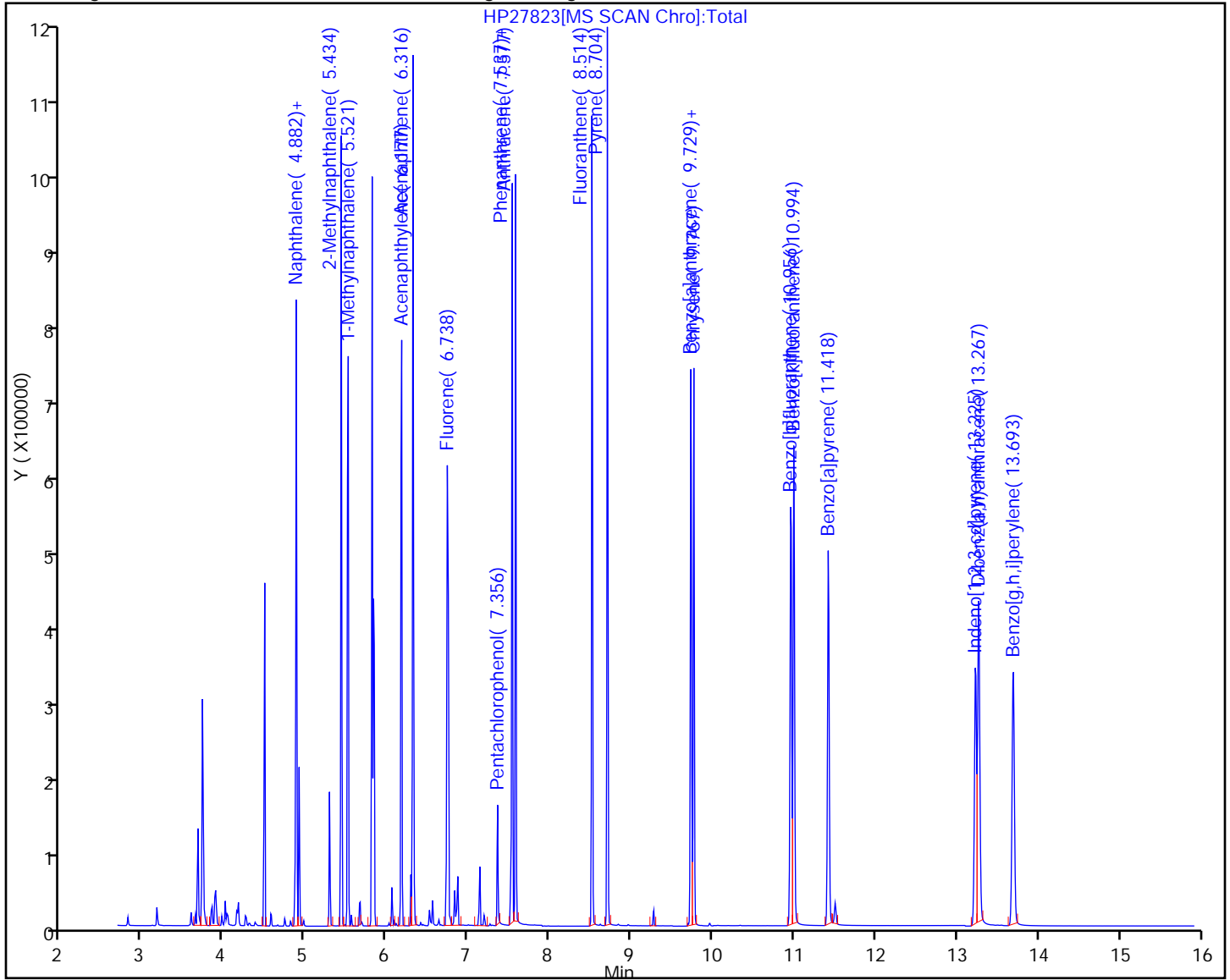
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	41529	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51301	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	29370	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	45820	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	55067	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	42441	98.9	
26 Naphthalene	128	4.882	4.882	0.0	1	576574	1001.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	334567	994.9	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	323971	957.6	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	577622	1056.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	363802	985.6	
32 Fluorene	166	6.751	6.751	0.0	1	387275	1012.1	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	64232	1042.6	M
37 Phenanthrene	178	7.537	7.537	0.0	1	563775	981.8	
38 Anthracene	178	7.577	7.577	0.0	1	560545	990.4	
42 Fluoranthene	202	8.514	8.514	0.0	1	632596	1003.0	
41 Pyrene	202	8.704	8.705	-0.001	39	642262	978.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	608758	984.5	
43 Chrysene	228	9.767	9.767	0.0	1	601233	936.8	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	590442	994.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	590064	980.8	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	524635	989.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	494220	1028.8	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	529473	1046.3	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	535257	1018.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

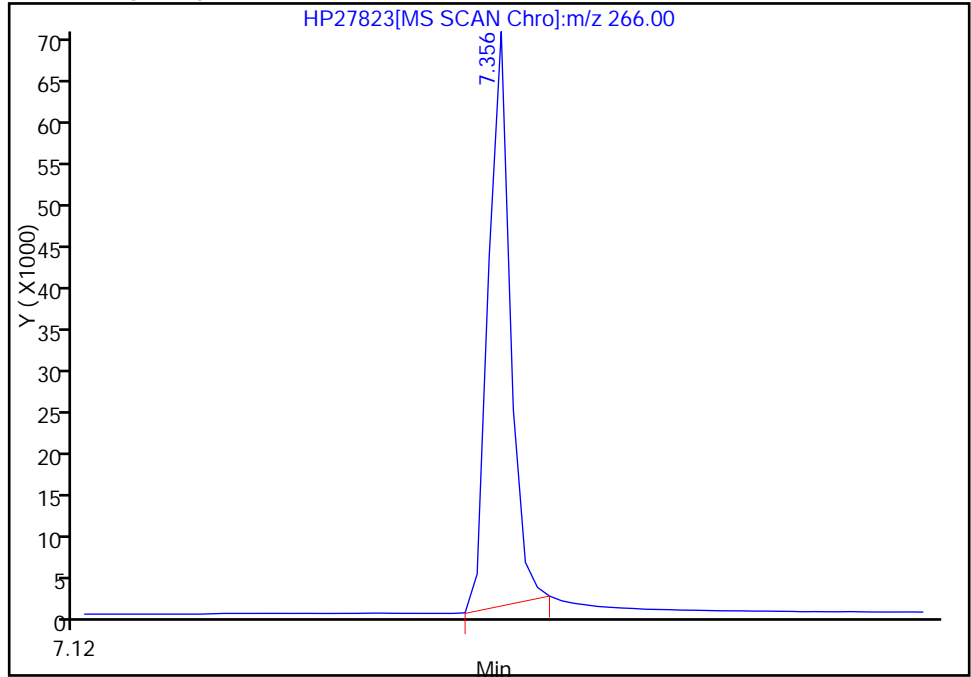


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
Injection Date: 26-Apr-2012 19:00:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

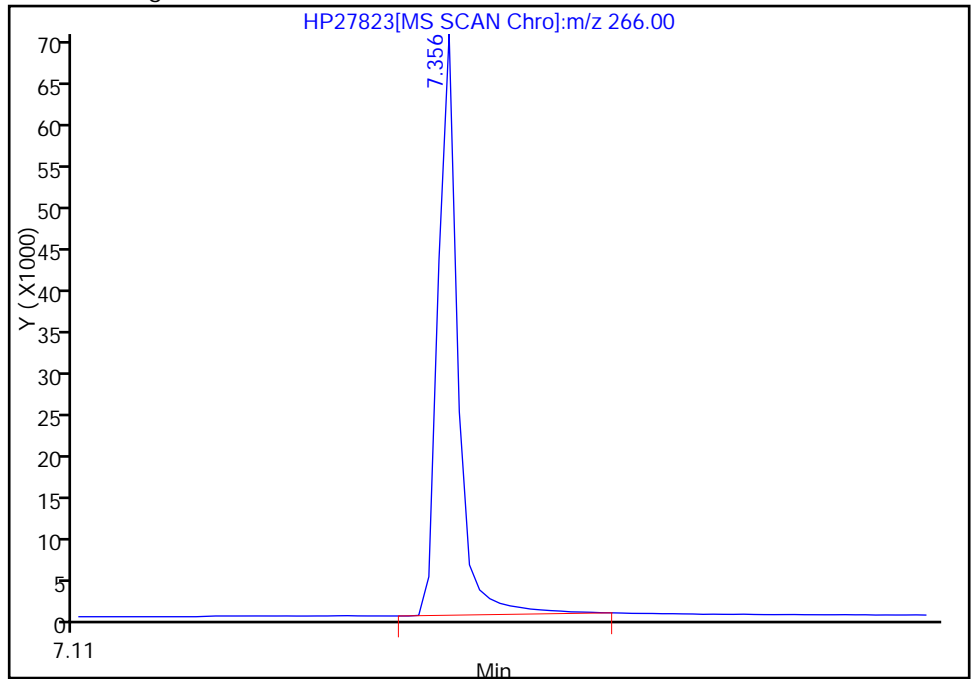
RT: 7.36
Response: 58973
Amount: 963.1893

Processing Integration Results



RT: 7.36
Response: 64232
Amount: 1042.6430

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:00:54
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-111929/2 Calibration Date: 05/23/2012 13:37
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP27997.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3538		555	492	12.9	
Naphthalene	Ave	1.069	1.002		469	500	-6.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5637		452	500	-9.7	25.0
1-Methylnaphthalene	Ave	0.6278	0.5999		478	500	-4.5	25.0
2-Fluorobiphenyl	Ave	1.477	1.353		452	493	-8.4	
Acenaphthylene	Ave	1.824	1.724		473	500	-5.5	25.0
Acenaphthene	Ave	1.232	1.146		465	500	-7.0	20.0
Fluorene	Ave	1.277	1.204		472	500	-5.7	25.0
2,4,6-Tribromophenol	Qual		0.2007		440	492	-10.6	
Pentachlorophenol	Qual		0.2215		565	500	13.0	20.0
Phenanthrene	Ave	1.228	1.143		465	500	-6.9	25.0
Anthracene	Ave	1.210	1.124		464	500	-7.1	25.0
Fluoranthene	Ave	1.348	1.255		465	500	-6.9	20.0
Pyrene	Ave	1.403	1.306		466	500	-6.9	25.0
Terphenyl-d14	Ave	1.060	0.9903		453	485	-6.6	
Benzo[a]anthracene	Ave	1.101	1.032		469	500	-6.2	25.0
Chrysene	Ave	1.143	1.057		462	500	-7.5	25.0
Benzo[b]fluoranthene	Ave	1.384	1.341		485	500	-3.1	25.0
Benzo[k]fluoranthene	Ave	1.402	1.366		487	500	-2.6	25.0
Benzo[a]pyrene	Ave	1.235	1.203		487	500	-2.7	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	1.026		458	500	-8.4	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.111		471	500	-5.8	25.0
Benzo[g,h,i]perylene	Ave	1.224	1.105		451	500	-9.7	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
 Lims ID: ccvis Client ID:
 Inject. Date: 23-May-2012 13:37:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023402-002 =580-0023402-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 111929 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:22:55

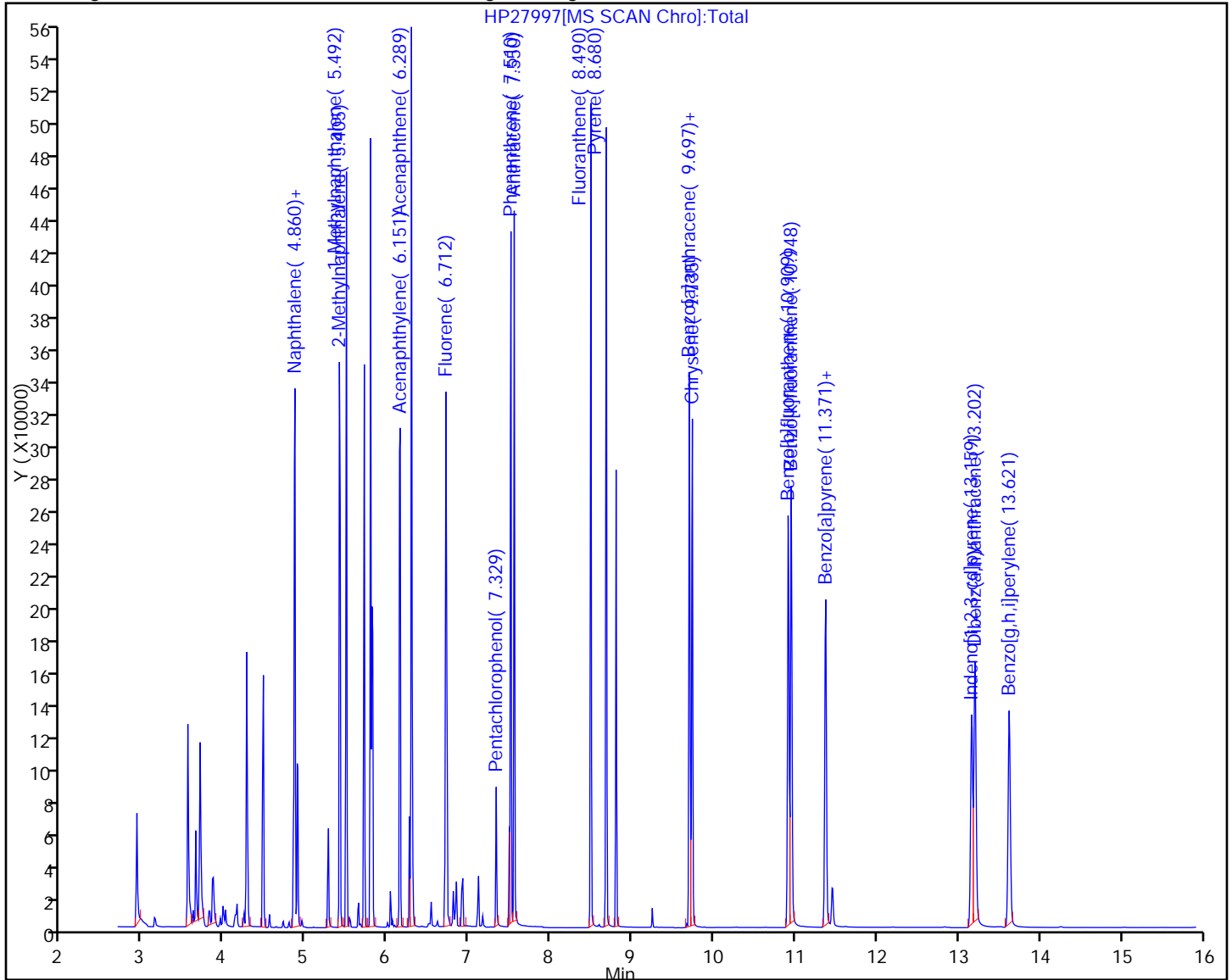
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	29271	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	49369	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	28198	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	42317	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	49128	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	37247	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	90276	555.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	191938	451.7	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	28435	440.2	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	207493	453.1	
26 Naphthalene	128	4.860	4.860	0.0	1	259737	468.6	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	146169	451.7	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	155543	477.7	
31 Acenaphthylene	152	6.151	6.151	0.0	1	248089	472.6	
29 Acenaphthene	153	6.289	6.289	0.0	4	164849	465.2	
32 Fluorene	166	6.712	6.712	0.0	1	173228	471.5	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	31869	564.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	246809	465.4	
38 Anthracene	178	7.550	7.550	0.0	1	242733	464.4	
42 Fluoranthene	202	8.490	8.490	0.0	1	271013	465.3	
41 Pyrene	202	8.680	8.680	0.0	41	282159	465.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	258648	468.8	
43 Chrysene	228	9.735	9.735	0.0	1	264794	462.5	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	252589	484.5	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	257258	487.2	
47 Benzo[a]pyrene	252	11.371	11.371	0.0	1	226438	486.7	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.159	0.0	1	193143	458.1	
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	209239	471.1	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	208169	451.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

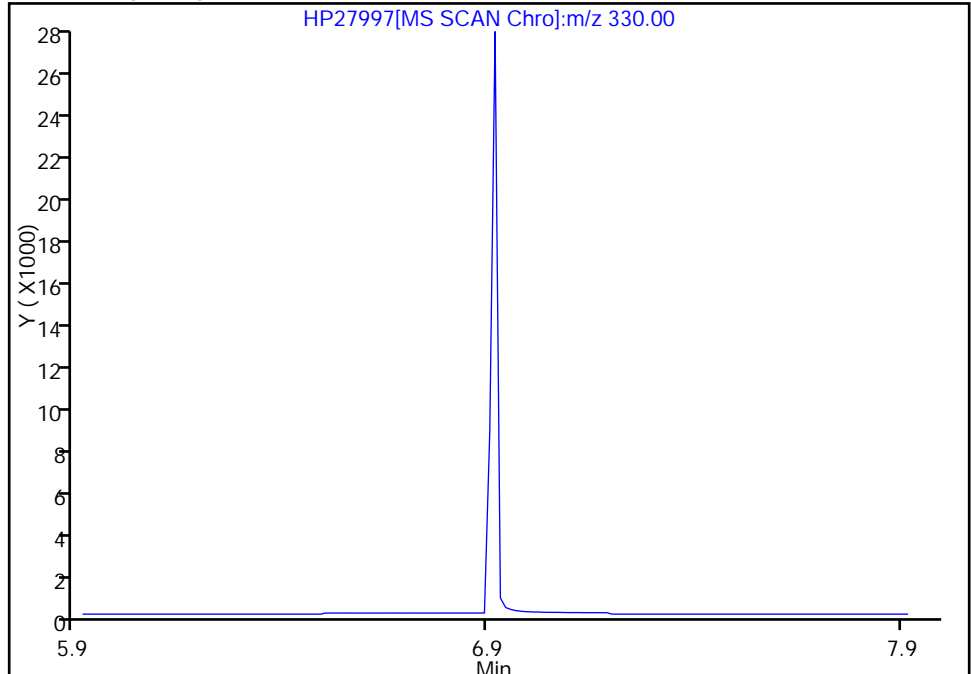


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
Injection Date: 23-May-2012 13:37:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

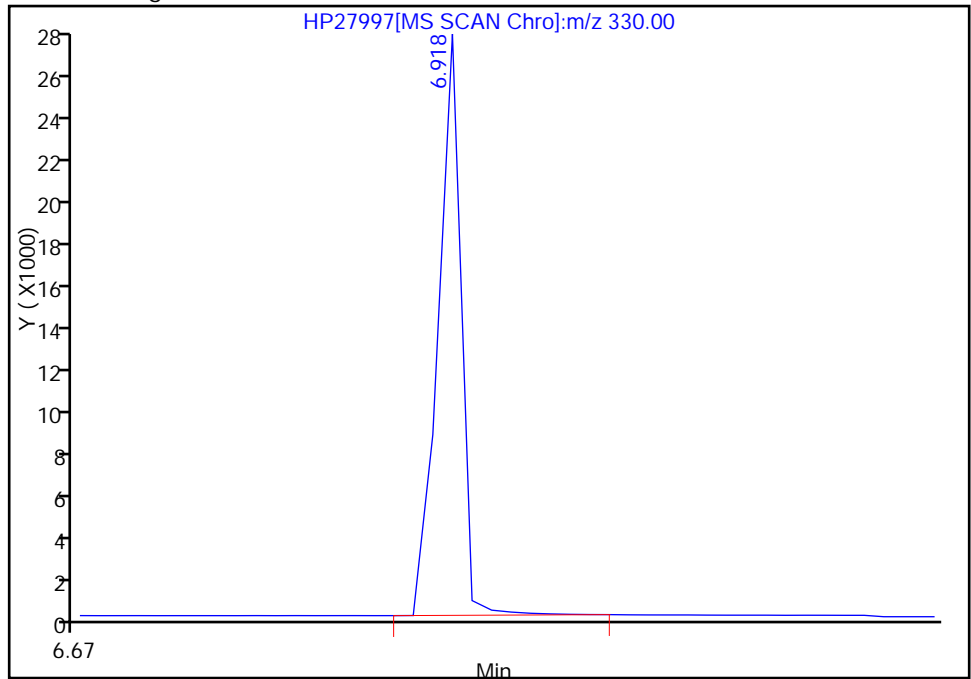
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 28435
Amount: 440.2381

Manual Integration Results



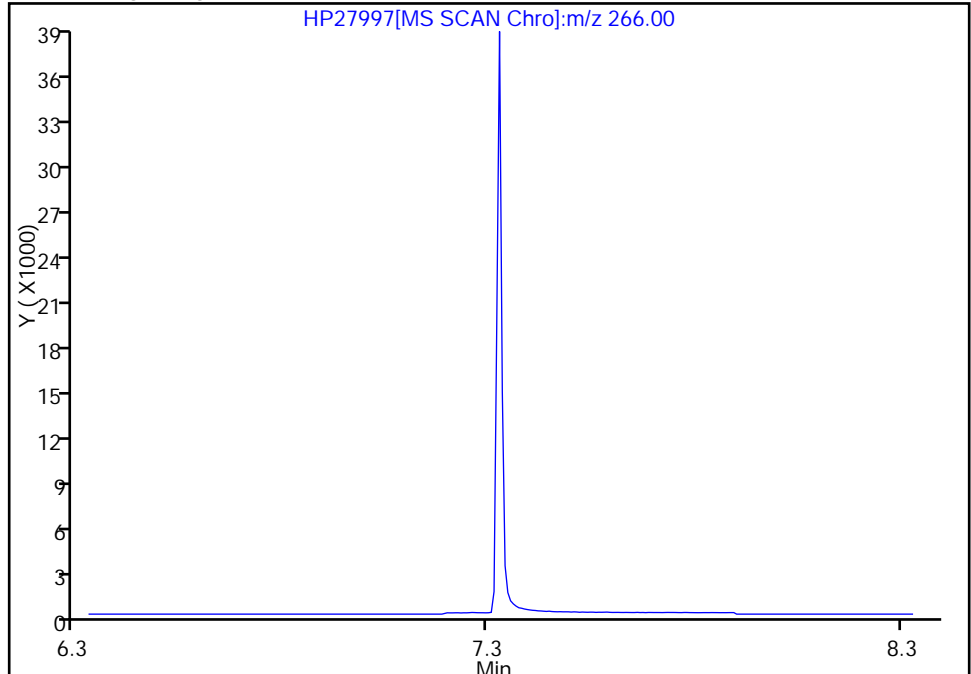
Reviewer: tadesseb, 23-May-2012 14:20:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27997.D
Injection Date: 23-May-2012 13:37:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

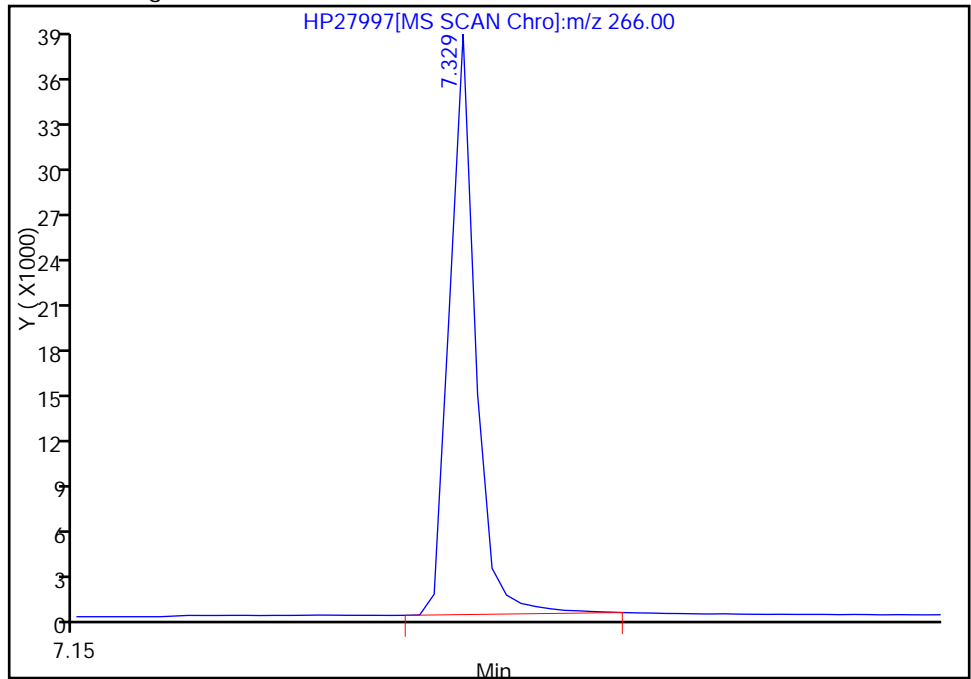
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Response: 31869
Amount: 564.8898

Manual Integration Results



Reviewer: tadesseb, 23-May-2012 14:20:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-112072/2 Calibration Date: 05/25/2012 10:24
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP28005.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3468		544	492	10.6	
Naphthalene	Ave	1.069	0.9912		464	500	-7.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5528		443	500	-11.4	25.0
1-Methylnaphthalene	Ave	0.6278	0.5879		468	500	-6.4	25.0
2-Fluorobiphenyl	Ave	1.477	1.348		450	493	-8.7	
Acenaphthylene	Ave	1.824	1.734		475	500	-4.9	25.0
Acenaphthene	Ave	1.232	1.157		470	500	-6.1	20.0
Fluorene	Ave	1.277	1.205		472	500	-5.6	25.0
2,4,6-Tribromophenol	Qual		0.1906		419	492	-14.9	
Pentachlorophenol	Qual		0.2124		543	500	8.6	20.0
Phenanthrene	Ave	1.228	1.131		461	500	-7.9	25.0
Anthracene	Ave	1.210	1.090		450	500	-9.9	25.0
Fluoranthene	Ave	1.348	1.245		462	500	-7.7	20.0
Pyrene	Ave	1.403	1.299		463	500	-7.4	25.0
Terphenyl-d14	Ave	1.060	0.9777		447	485	-7.8	
Benzo[a]anthracene	Ave	1.101	1.027		467	500	-6.7	25.0
Chrysene	Ave	1.143	1.054		461	500	-7.7	25.0
Benzo[b]fluoranthene	Ave	1.384	1.288		465	500	-7.0	25.0
Benzo[k]fluoranthene	Ave	1.402	1.462		521	500	4.3	25.0
Benzo[a]pyrene	Ave	1.235	1.182		479	500	-4.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	0.9542		426	500	-14.8	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.014		430	500	-14.0	25.0
Benzo[g,h,i]perylene	Ave	1.224	0.9885		404	500	-19.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
 Lims ID: ccvis Client ID:
 Inject. Date: 25-May-2012 10:24:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023449-002 =580-0023449-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 112072 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:13:37

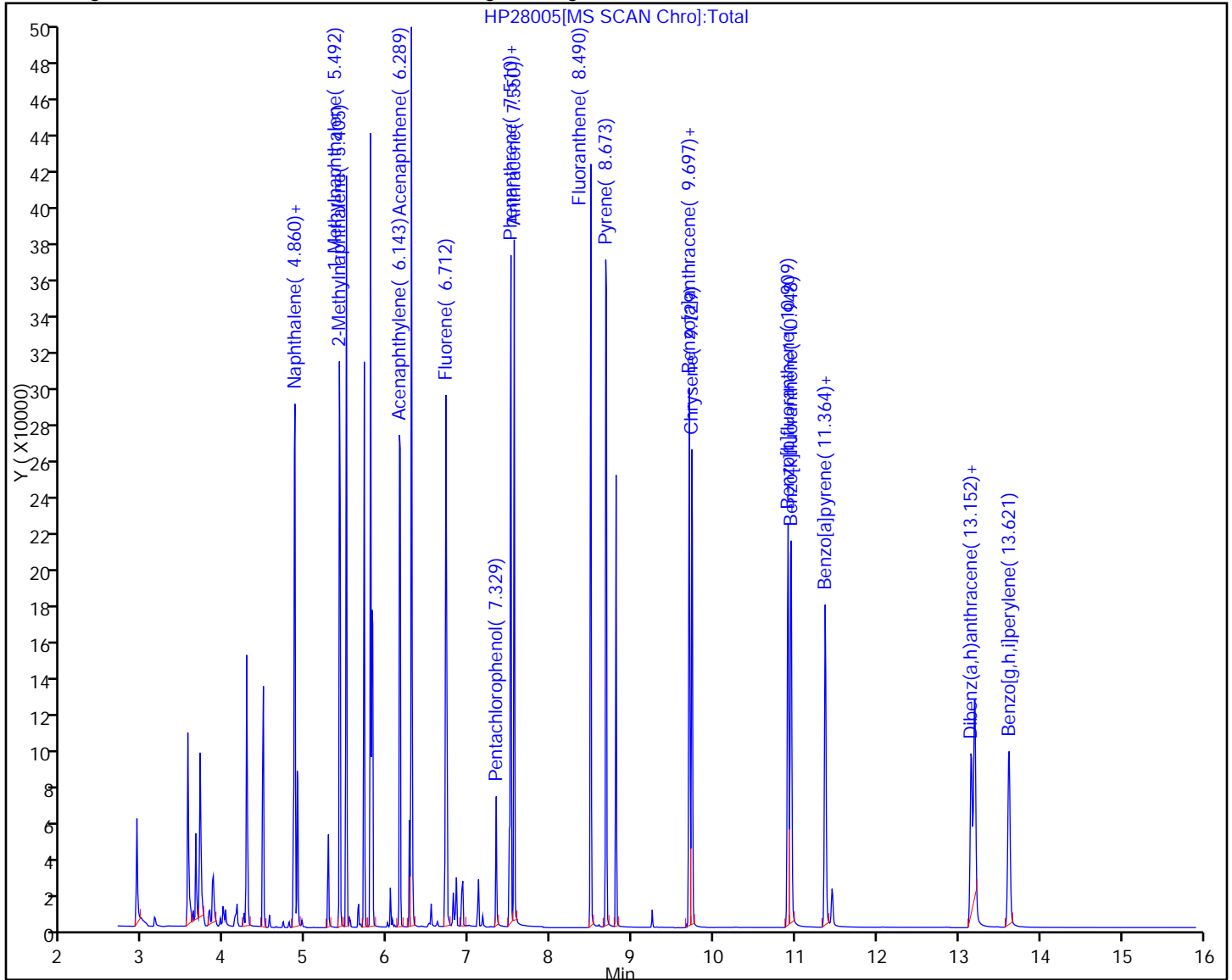
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	26236	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44540	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24882	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37694	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43217	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31605	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	79825	544.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	168755	450.1	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	23831	418.8	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	182470	447.3	
26 Naphthalene	128	4.860	4.860	0.0	1	231872	463.7	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	129323	442.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	137534	468.2	
31 Acenaphthylene	152	6.143	6.143	0.0	1	220147	475.3	
29 Acenaphthene	153	6.289	6.289	0.0	4	146882	469.7	
32 Fluorene	166	6.712	6.712	0.0	1	152980	471.9	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	26968	542.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	217569	460.6	
38 Anthracene	178	7.550	7.550	0.0	1	209647	450.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	239478	461.5	
41 Pyrene	202	8.680	8.680	0.0	41	249960	463.0	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	226406	466.5	
43 Chrysene	228	9.729	9.729	0.0	1	232382	461.4	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	205757	465.1	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	233565	521.3	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	188896	478.5	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.0	1	152471	426.2	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	162050	430.0	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	157937	403.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

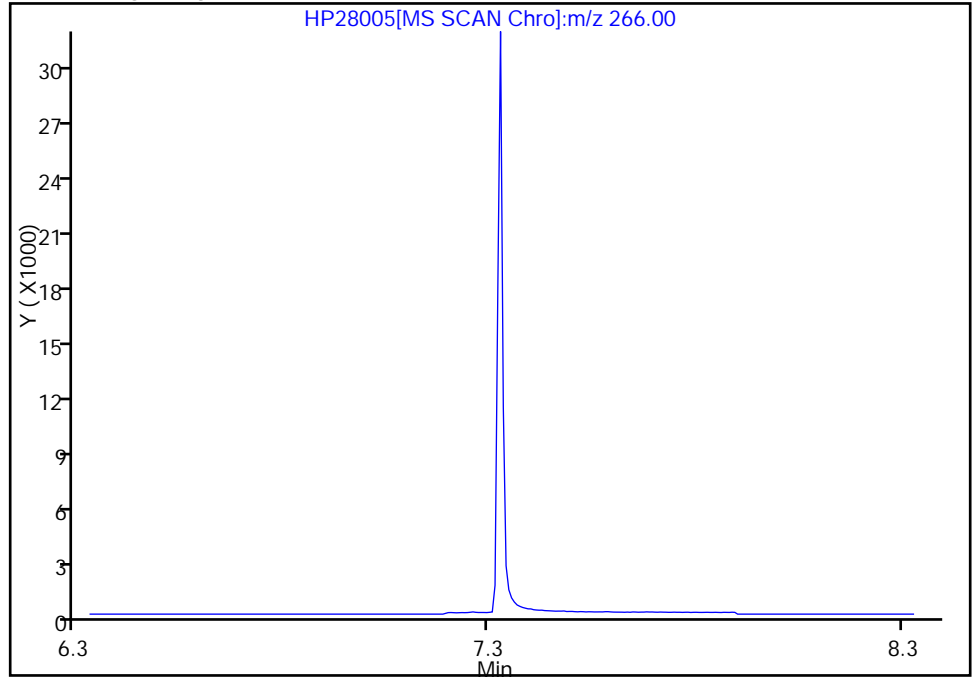


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

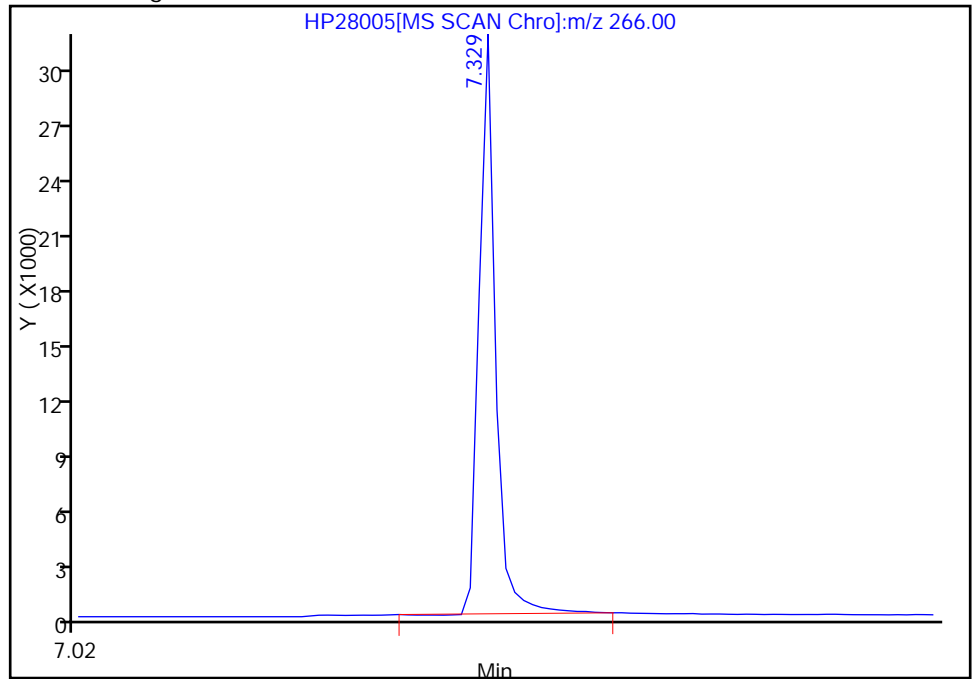
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.33
Response: 26968
Amount: 542.9183



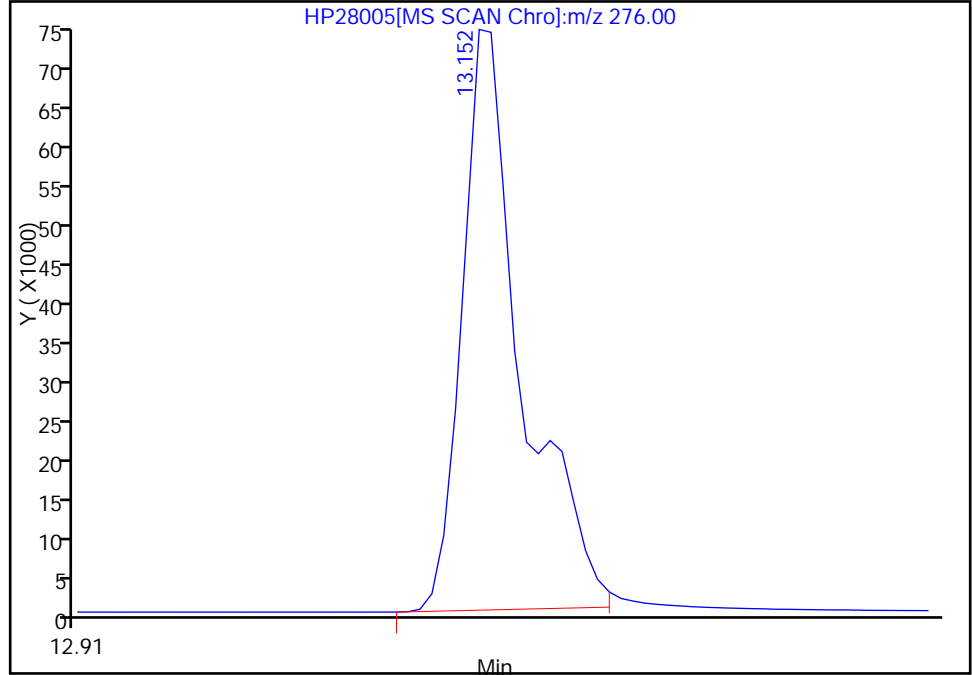
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

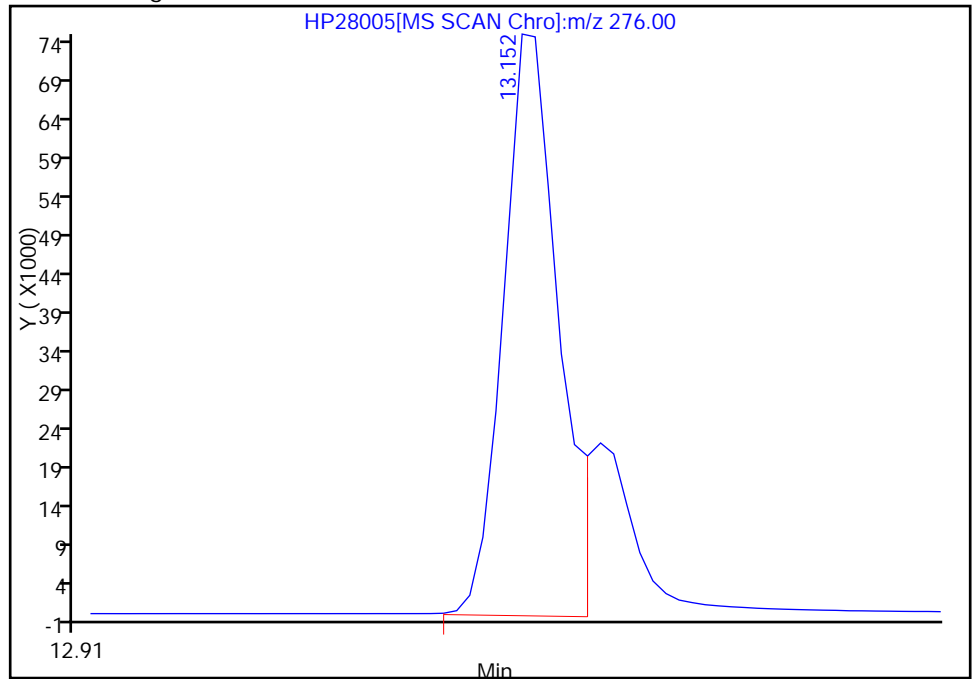
RT: 13.15
Response: 182673
Amount: 510.6595

Processing Integration Results



RT: 13.15
Response: 152471
Amount: 426.2303

Manual Integration Results



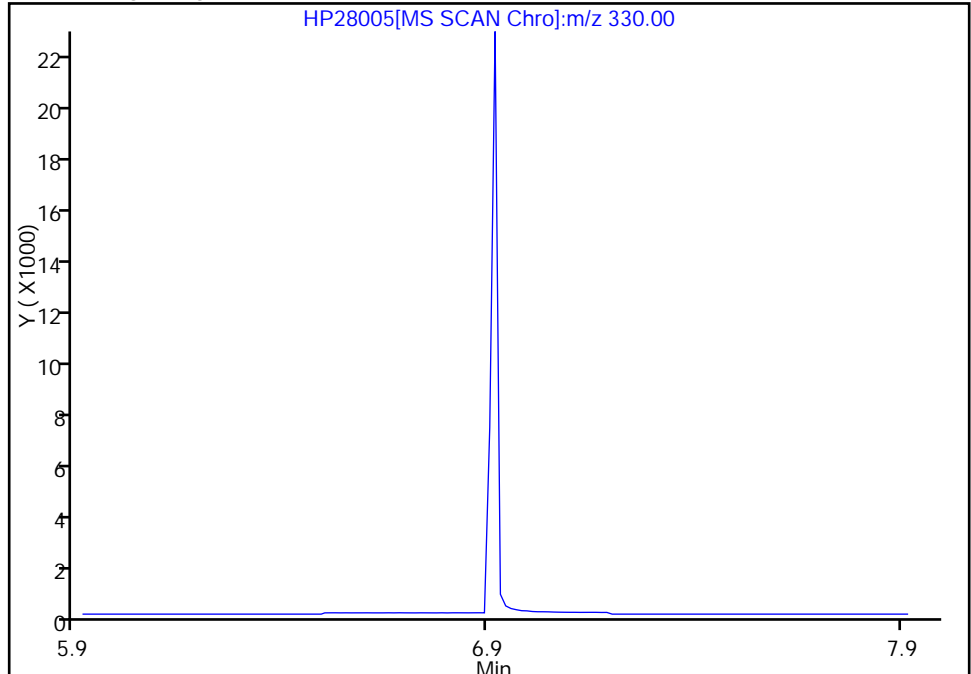
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

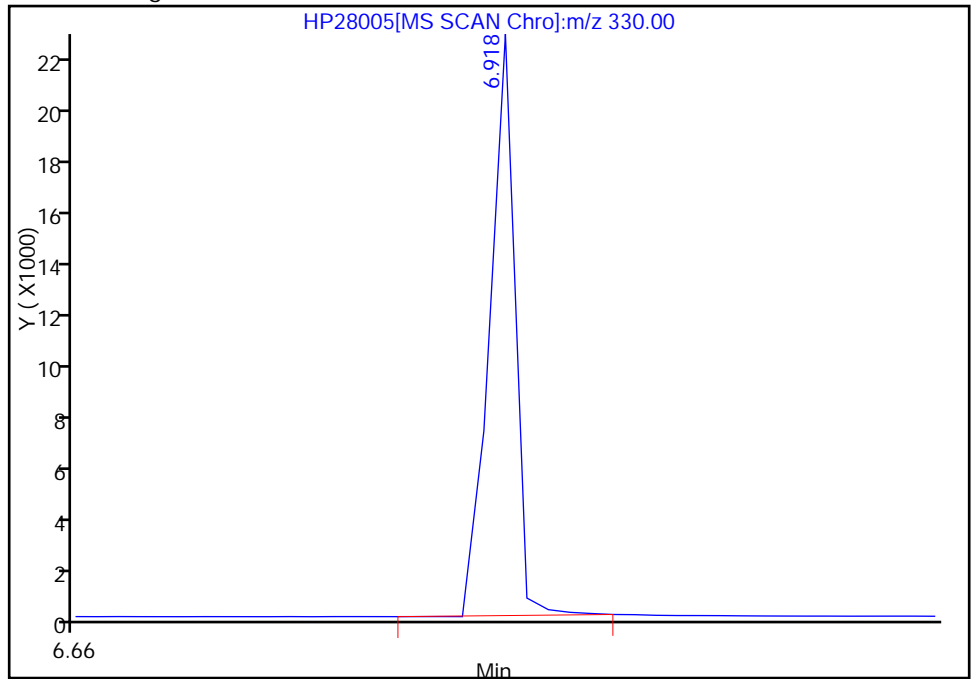
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 23831
Amount: 418.7786

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Lims ID: dftpp Client ID:
 Inject. Date: 26-Apr-2012 15:32:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0022916-001 =580-0022916-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 110125 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:12 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb Date: 02-May-2012 11:56:12

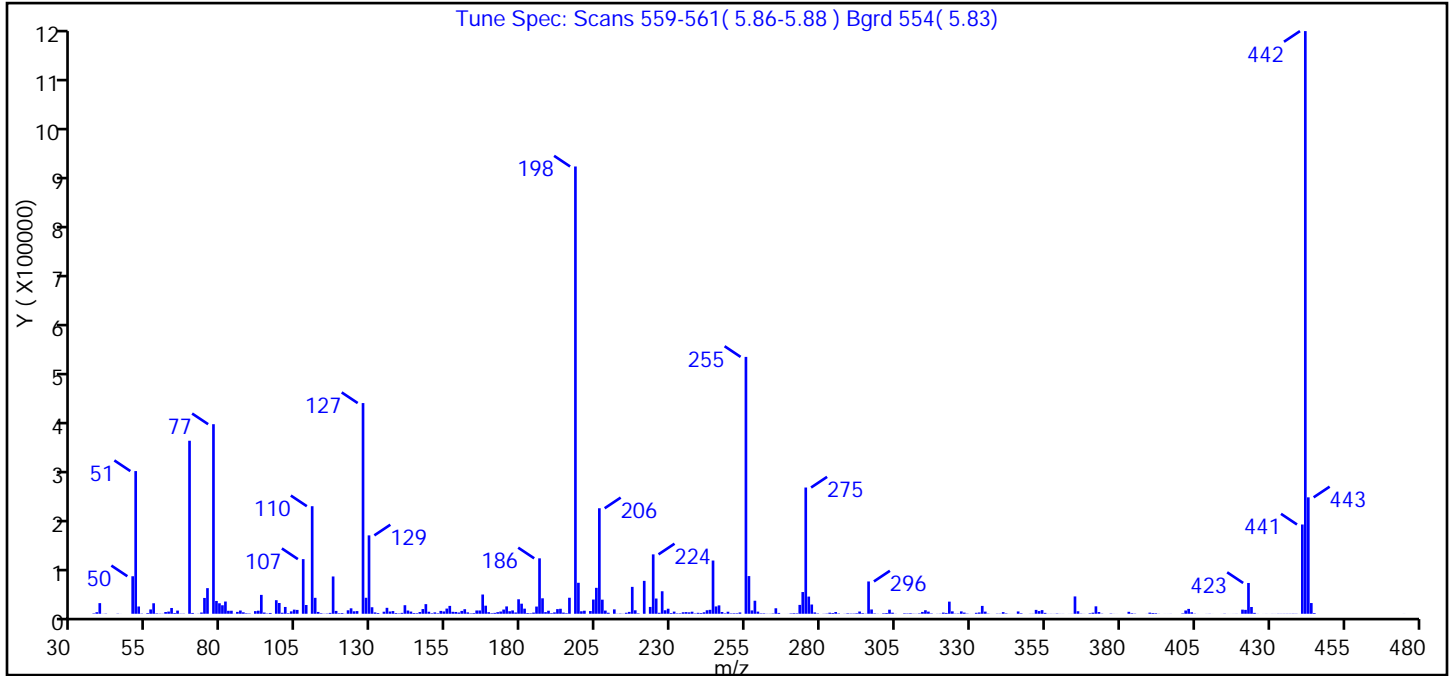
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.405	5.405	0.0	91	1151264	0	
33 DFTPP								
35 Benzdine_T	184	6.915	6.915	0.0	98	4035644	0	
36 4,4'-DDE	246	7.097	7.092	0.005	75	3941	0	
39 4,4'-DDD	235	7.468	7.468	0.0	87	68066	0	M
40 4,4'-DDT	235	7.773	7.773	0.0	97	2398607	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Injection Date: 26-Apr-2012 15:32:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 110125 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.76 (76.76)
51	10.00 - 80.00% of mass 442	24.49
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.68
70	Less than 2.00% of mass 69	0.14 (0.47)
127	10.00 - 80.00% of mass 442	36.16
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.93
275	10.00 - 60.00% of mass 442	21.67
365	Greater than 1.00% of mass 442	2.98
441	Present, but less than mass 443%	15.32 (76.68)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.98 (19.98)

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 26-Apr-2012 15:32:30
 Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	824	142.00	6177	238.00	719	335.00	4104
38.00	2996	143.00	4165	239.00	1847	336.00	476
39.00	20328	144.00	1390	240.00	1387	337.00	50
40.00	169	145.00	1108	241.00	2812	339.00	431
41.00	464	146.00	3283	242.00	6696	340.00	407
45.00	411	147.00	9006	243.00	7552	341.00	3176
46.00	68	148.00	18408	244.00	101752	342.00	822
50.00	71728	149.00	3866	245.00	14008	343.00	119
51.00	272704	150.00	1032	246.00	16033	344.00	60
52.00	13910	151.00	2679	247.00	3416	345.00	68
53.00	515	152.00	986	248.00	866	346.00	4423
55.00	1291	153.00	5460	249.00	3898	347.00	969
56.00	8293	154.00	4415	250.00	810	350.00	204
57.00	20080	155.00	9918	251.00	1006	351.00	274
58.00	827	156.00	15046	252.00	1004	352.00	7416
59.00	393	157.00	3741	253.00	2514	353.00	5158
60.00	268	158.00	3470	255.00	490944	354.00	6992
61.00	3337	159.00	2369	256.00	72032	355.00	1717
62.00	4170	160.00	5475	257.00	6406	356.00	161
63.00	11059	161.00	8720	258.00	24928	357.00	211
64.00	1409	162.00	2622	259.00	4094	358.00	133
65.00	6047	163.00	797	260.00	819	359.00	571
66.00	417	164.00	1272	261.00	838	360.00	149
67.00	424	165.00	6290	262.00	249	361.00	156
69.00	330688	166.00	6302	263.00	267	363.00	93
70.00	1563	167.00	36808	264.00	667	364.00	154
71.00	89	168.00	15438	265.00	10515	365.00	33136
72.00	272	169.00	2997	266.00	1623	366.00	4843
73.00	2400	170.00	1072	267.00	15	367.00	414
74.00	30256	171.00	1706	268.00	40	368.00	110
75.00	48992	172.00	3062	269.00	99	370.00	957
77.00	362304	173.00	4267	270.00	727	371.00	2057
78.00	24496	174.00	8062	271.00	1120	372.00	14218

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rslt\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	20064	175.00	14044	272.00	886	373.00	3311
80.00	16270	176.00	4849	273.00	16960	374.00	445
81.00	23392	177.00	6379	274.00	41544	377.00	592
82.00	5689	178.00	2491	275.00	241280	378.00	120
83.00	5808	179.00	27704	276.00	32832	379.00	57
84.00	220	180.00	19256	277.00	17688	381.00	50
85.00	3597	181.00	9770	278.00	2584	383.00	3739
86.00	6220	182.00	1382	279.00	722	384.00	1084
87.00	2798	183.00	945	281.00	253	385.00	466
88.00	968	184.00	2260	282.00	523	389.00	128
89.00	656	185.00	13781	283.00	2017	390.00	2140
91.00	5045	186.00	105944	284.00	1477	391.00	1433
92.00	5876	187.00	29568	285.00	3293	392.00	1096
93.00	36088	188.00	3123	286.00	718	393.00	205
94.00	2329	189.00	5815	288.00	207	395.00	69
95.00	635	190.00	1171	289.00	920	396.00	67
96.00	1529	191.00	2617	290.00	547	397.00	164
98.00	25928	192.00	8896	291.00	583	401.00	838
99.00	20592	193.00	9551	292.00	1025	402.00	6244
100.00	1952	194.00	2228	293.00	4285	403.00	9316
101.00	13020	195.00	1124	294.00	1197	404.00	2932
102.00	1063	196.00	30616	295.00	321	405.00	445
103.00	4597	198.00	854848	296.00	61760	406.00	56
104.00	7879	199.00	59224	297.00	8225	409.00	136
105.00	7362	200.00	4768	298.00	788	410.00	257
107.00	104448	201.00	5817	299.00	214	411.00	50
108.00	16752	203.00	5207	300.00	56	414.00	63
110.00	205568	204.00	27208	301.00	1035	415.00	375
111.00	30480	205.00	49584	302.00	1459	416.00	65
112.00	3501	206.00	201664	303.00	7804	417.00	51
113.00	1035	207.00	26952	304.00	2046	418.00	115
114.00	297	208.00	6099	305.00	197	419.00	194
115.00	583	209.00	1966	308.00	912	420.00	59
116.00	1678	211.00	8380	309.00	714	421.00	7908

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	71288	212.00	302	310.00	1044	422.00	7468
118.00	5440	213.00	575	311.00	337	423.00	58848
119.00	1016	214.00	255	312.00	247	424.00	12930
120.00	1363	215.00	1922	313.00	780	425.00	1721
121.00	199	216.00	3557	314.00	3520	426.00	176
122.00	6630	217.00	51408	315.00	6730	428.00	52
123.00	10435	218.00	6645	316.00	4107	429.00	122
124.00	4704	219.00	891	317.00	731	430.00	60
125.00	5131	221.00	62896	319.00	220	431.00	151
127.00	402688	223.00	13073	320.00	339	432.00	114
128.00	30584	224.00	113528	321.00	2233	433.00	294
129.00	149824	225.00	29144	322.00	1572	434.00	243
130.00	12461	226.00	1886	323.00	23200	435.00	284
131.00	2599	227.00	43032	324.00	4622	436.00	312
132.00	1448	228.00	6708	325.00	463	437.00	310
133.00	53	229.00	9626	326.00	581	438.00	412
134.00	3921	230.00	1415	327.00	4533	439.00	333
135.00	11363	231.00	4122	328.00	2236	440.00	62
136.00	4313	232.00	864	329.00	479	441.00	170624
137.00	5147	233.00	937	330.00	50	442.00	1113600
138.00	1382	234.00	2869	331.00	53	443.00	222528
139.00	729	235.00	3164	332.00	1840	444.00	20488
140.00	1724	236.00	2708	333.00	2501	445.00	1320
141.00	16351	237.00	3922	334.00	15015	475.00	82

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D
 Lims ID: dftpp Client ID:
 Inject. Date: 23-May-2012 13:24:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023402-001 =580-0023402-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 111929 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:04 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb Date: 24-May-2012 16:22:04

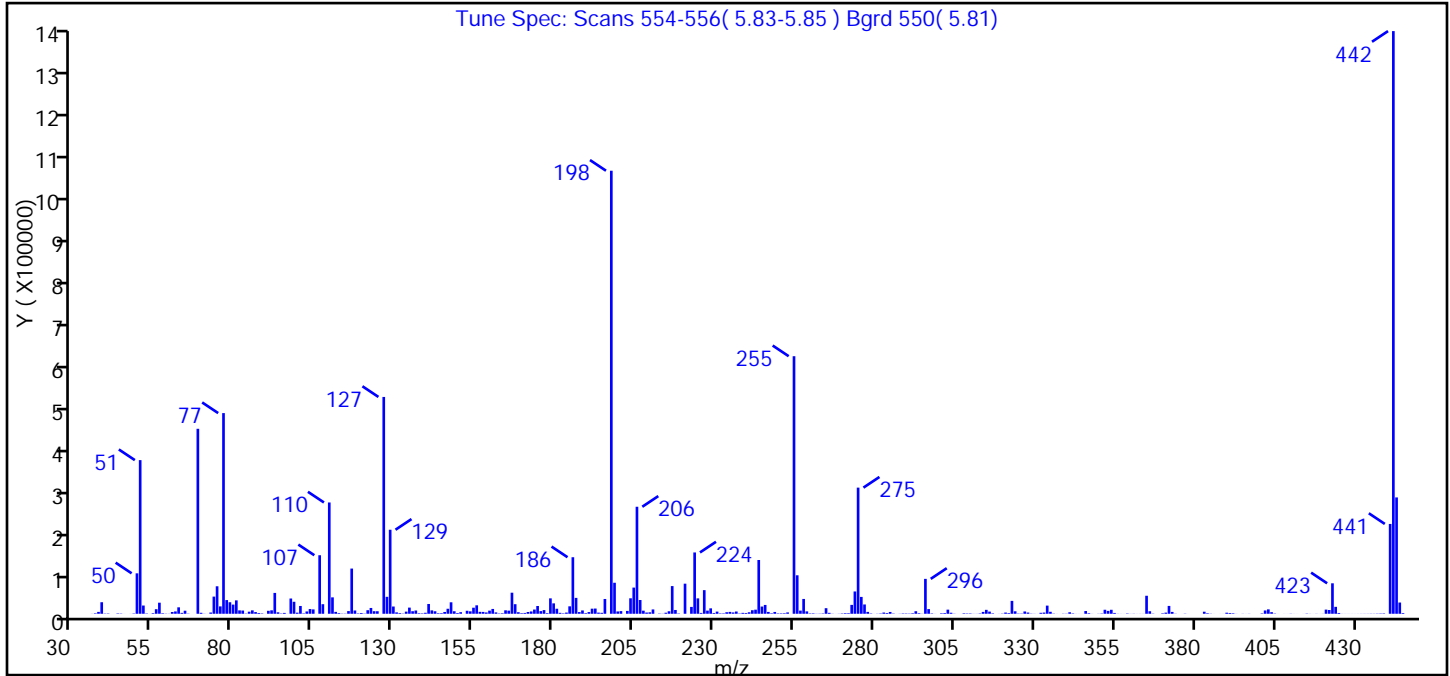
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.376	5.376	0.0	93	1351001	0	
33 DFTPP								
35 Benzdine_T	184	6.880	6.880	0.0	99	3774878	0	
36 4,4'-DDE	246	7.068	7.068	0.0	82	5603	0	
39 4,4'-DDD	235	7.432	7.432	0.0	82	107040	0	M
40 4,4'-DDT	235	7.738	7.738	0.0	98	2940402	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D
 Injection Date: 23-May-2012 13:24:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 111929 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.04 (76.04)
51	10.00 - 80.00% of mass 442	26.37
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	41.75
70	Less than 2.00% of mass 69	0.17 (0.52)
127	10.00 - 80.00% of mass 442	37.21
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	7.00
275	10.00 - 60.00% of mass 442	21.65
365	Greater than 1.00% of mass 442	3.09
441	Present, but less than mass 443%	15.42 (77.21)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.97 (19.97)

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d
Injection Date: 23-May-2012 13:24:30
Spectrum: Tune Spec: Scans 554-556 (5.83-5.85) Bgrd 550(5.81)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	213	138.00	1305	239.00	2175	337.00	101
37.00	1212	139.00	1061	240.00	1857	338.00	55
38.00	4438	140.00	2357	241.00	3574	339.00	423
39.00	27392	141.00	23208	242.00	8437	340.00	423
40.00	661	142.00	8046	243.00	9717	341.00	3564
41.00	768	143.00	5933	244.00	127560	342.00	979
44.00	946	144.00	1342	245.00	17160	343.00	124
45.00	633	145.00	1477	246.00	20944	344.00	106
46.00	71	146.00	4261	247.00	4372	345.00	65
47.00	13	147.00	11891	248.00	1232	346.00	6455
48.00	110	148.00	27200	249.00	4320	347.00	1410
49.00	839	149.00	5953	250.00	988	348.00	150
50.00	95944	150.00	1722	251.00	1099	350.00	317
51.00	364544	151.00	3770	252.00	1333	351.00	771
52.00	19544	153.00	7089	253.00	3194	352.00	9514
53.00	839	154.00	5786	255.00	611072	353.00	6876
54.00	82	155.00	14373	256.00	91296	354.00	9443
55.00	1490	156.00	20056	257.00	7510	355.00	1991
56.00	10829	157.00	4577	258.00	35176	356.00	242
57.00	26264	158.00	4373	259.00	5677	357.00	120
58.00	1315	159.00	3081	260.00	972	358.00	72
59.00	446	160.00	7439	261.00	1086	359.00	814
60.00	295	161.00	11453	262.00	323	360.00	179
61.00	4178	162.00	3227	263.00	486	361.00	353
62.00	5548	163.00	830	264.00	922	362.00	125
63.00	15296	164.00	1288	265.00	13237	363.00	172
64.00	2139	165.00	8203	266.00	2206	364.00	148
65.00	7219	166.00	7426	267.00	324	365.00	42712
66.00	527	167.00	49976	268.00	81	366.00	5996
69.00	438848	168.00	22728	269.00	302	367.00	554
70.00	2297	169.00	3683	270.00	860	370.00	1161
71.00	311	170.00	1436	271.00	1446	371.00	2700
72.00	81	171.00	1946	272.00	1434	372.00	18616

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 23-May-2012 13:24:30

Spectrum: Tune Spec: Scans 554-556(5.83-5.85) Bgrd 550(5.81)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2942	172.00	4198	273.00	21072	373.00	4390
74.00	40736	173.00	5501	274.00	52928	374.00	364
75.00	65240	174.00	10029	275.00	299264	376.00	50
76.00	17520	175.00	18440	276.00	39992	377.00	477
77.00	476096	176.00	6315	277.00	22080	378.00	53
78.00	32512	177.00	8736	278.00	4454	383.00	4859
79.00	27352	178.00	1573	279.00	828	384.00	1337
80.00	21768	179.00	36560	280.00	68	385.00	402
81.00	31784	180.00	24688	281.00	342	386.00	67
82.00	8048	181.00	11932	282.00	819	388.00	68
83.00	7672	182.00	2250	283.00	2925	389.00	83
84.00	643	183.00	1065	284.00	1813	390.00	2519
85.00	4922	184.00	2825	285.00	4279	391.00	1771
86.00	8101	185.00	17688	286.00	731	392.00	1236
87.00	4003	186.00	134144	287.00	75	393.00	162
88.00	1805	187.00	37688	288.00	311	395.00	252
89.00	924	188.00	4008	289.00	888	396.00	85
90.00	51	189.00	7919	290.00	807	397.00	269
91.00	7019	190.00	1488	291.00	632	401.00	1008
92.00	8180	191.00	4028	292.00	1371	402.00	7850
93.00	49464	192.00	12076	293.00	6009	403.00	10436
94.00	3453	193.00	12371	294.00	1425	404.00	3805
95.00	772	194.00	2752	295.00	309	405.00	716
96.00	2036	195.00	2263	296.00	82800	406.00	67
97.00	111	196.00	35104	297.00	11086	408.00	91
98.00	36192	198.00	1051136	298.00	933	409.00	77
99.00	28448	199.00	73576	299.00	109	410.00	358
100.00	2624	200.00	5485	301.00	1276	411.00	103
101.00	18488	201.00	6319	302.00	1714	412.00	75
102.00	992	203.00	6748	303.00	9766	414.00	66
103.00	5482	204.00	36720	304.00	2418	415.00	606
104.00	11190	205.00	62120	305.00	393	416.00	185
105.00	10331	206.00	253888	306.00	51	417.00	64
107.00	138880	207.00	32640	307.00	60	418.00	253

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27996.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 23-May-2012 13:24:30

Spectrum: Tune Spec: Scans 554-556(5.83-5.85) Bgrd 550(5.81)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 378

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	22720	208.00	7327	308.00	1216	419.00	90
110.00	264064	209.00	2908	309.00	874	420.00	220
111.00	38936	210.00	3446	310.00	898	421.00	9860
112.00	4488	211.00	10280	311.00	219	422.00	8927
113.00	1595	213.00	694	312.00	219	423.00	72288
114.00	508	214.00	339	313.00	875	424.00	16448
115.00	511	215.00	2471	314.00	4378	425.00	1883
116.00	6361	216.00	5943	315.00	9303	426.00	182
117.00	107248	217.00	65696	316.00	5131	427.00	121
118.00	7754	218.00	8996	317.00	1136	428.00	131
119.00	944	219.00	828	319.00	156	429.00	111
120.00	1847	221.00	71392	320.00	562	430.00	97
121.00	574	223.00	16262	321.00	2860	431.00	153
122.00	8447	224.00	145472	322.00	1637	432.00	218
123.00	13767	225.00	36536	323.00	30576	433.00	261
124.00	6099	226.00	2015	324.00	5883	434.00	272
125.00	6008	227.00	56048	325.00	669	435.00	408
127.00	514432	228.00	7462	326.00	675	436.00	352
128.00	40208	229.00	12868	327.00	5452	437.00	564
129.00	199360	230.00	1867	328.00	2921	438.00	783
130.00	17200	231.00	5110	329.00	510	439.00	977
131.00	3292	232.00	1008	330.00	256	441.00	213120
132.00	1622	233.00	1066	331.00	76	442.00	1382400
133.00	620	234.00	3658	332.00	2293	443.00	276032
134.00	5069	235.00	4442	333.00	2856	444.00	26664
135.00	14598	236.00	3138	334.00	19352	445.00	1712
136.00	6079	237.00	5339	335.00	4700		
137.00	7732	238.00	775	336.00	590		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Lims ID: dftpp Client ID:
 Inject. Date: 25-May-2012 10:11:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023449-001 =580-0023449-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 112072 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:03 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:13:03

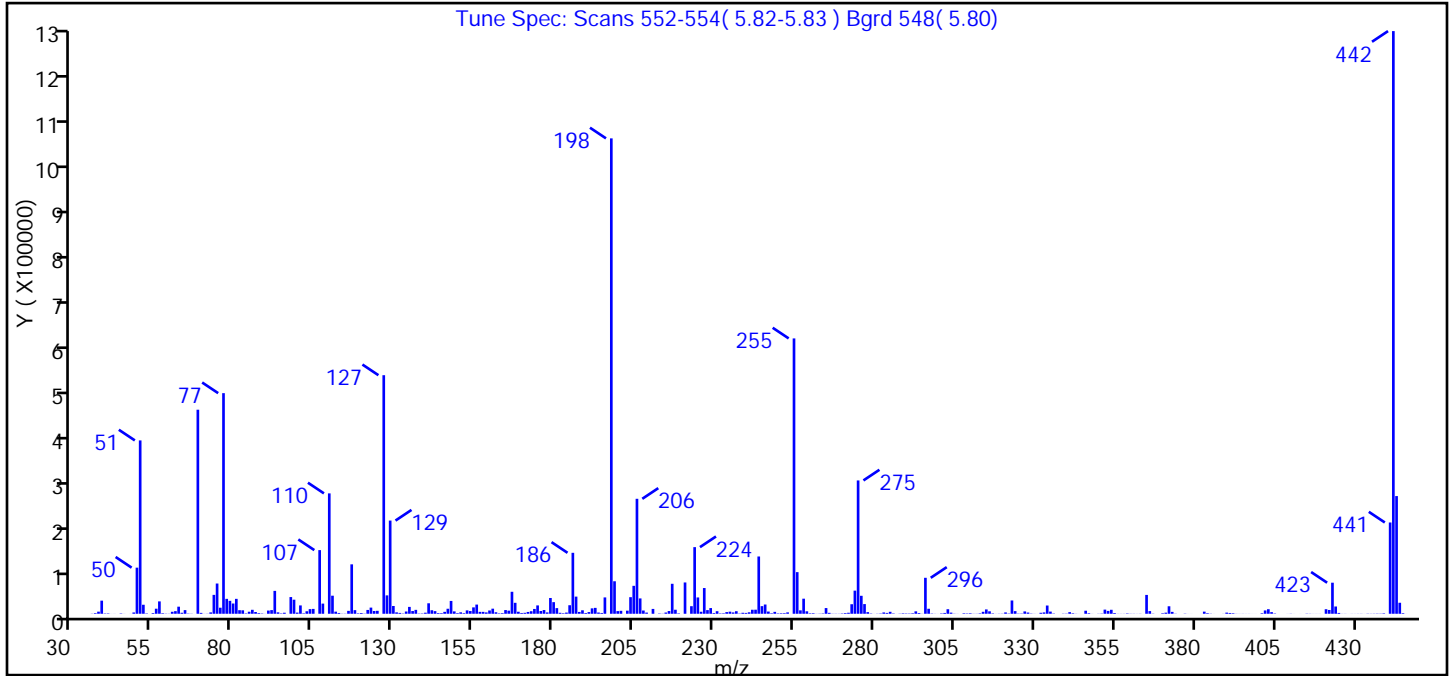
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.364	5.364	0.0	93	1181630	0	
33 DFTPP								
35 Benzidine_T	184	6.868	6.868	0.0	99	3779614	0	
36 4,4'-DDE	246	7.057	7.057	0.0	82	6273	0	
39 4,4'-DDD	235	7.421	7.421	0.0	79	93550	0	M
40 4,4'-DDT	235	7.720	7.720	0.0	98	2886631	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Injection Date: 25-May-2012 10:11:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 112072 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	81.59 (81.59)
51	10.00 - 80.00% of mass 442	29.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.92
70	Less than 2.00% of mass 69	0.15 (0.43)
127	10.00 - 80.00% of mass 442	40.94
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.84
275	10.00 - 60.00% of mass 442	22.88
365	Greater than 1.00% of mass 442	3.23
441	Present, but less than mass 443%	15.67 (77.56)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	20.20 (20.20)

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 25-May-2012 10:11:30
 Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	360	138.00	594	238.00	652	334.00	18224
37.00	1436	139.00	768	239.00	2195	335.00	4797
38.00	4652	140.00	2356	240.00	1873	336.00	697
39.00	28992	141.00	23176	241.00	3243	339.00	439
40.00	787	142.00	7808	242.00	8876	340.00	498
41.00	860	143.00	5803	243.00	8993	341.00	3587
42.00	79	144.00	1534	244.00	126592	342.00	1157
43.00	115	145.00	1392	245.00	16848	343.00	237
45.00	775	146.00	4264	246.00	20448	344.00	60
46.00	126	147.00	11085	247.00	4883	346.00	6718
48.00	106	148.00	28360	248.00	1159	347.00	1331
49.00	2861	149.00	5247	249.00	4236	348.00	130
50.00	101904	150.00	1401	250.00	909	350.00	301
51.00	383104	151.00	3191	251.00	1218	351.00	590
52.00	19928	152.00	1395	252.00	1367	352.00	9165
53.00	846	153.00	7476	253.00	3059	353.00	6331
55.00	1561	154.00	6018	255.00	608512	354.00	8790
56.00	11185	155.00	14115	256.00	92016	355.00	1662
57.00	27360	156.00	20296	257.00	7562	356.00	195
58.00	1263	157.00	4213	258.00	33328	357.00	187
59.00	433	158.00	4198	259.00	5454	358.00	210
60.00	293	159.00	2953	260.00	1106	359.00	838
61.00	4394	160.00	7265	261.00	1270	360.00	300
62.00	5777	161.00	11248	262.00	207	361.00	268
63.00	15662	162.00	3339	263.00	418	362.00	163
64.00	2230	163.00	995	264.00	833	363.00	280
65.00	8080	164.00	1435	265.00	12600	365.00	41648
66.00	589	165.00	8207	266.00	2028	366.00	5924
67.00	331	166.00	6891	267.00	345	367.00	455
69.00	450944	167.00	48584	268.00	320	370.00	1198
70.00	1952	168.00	24200	269.00	280	371.00	2430
71.00	132	169.00	4455	270.00	779	372.00	16568
72.00	309	170.00	1747	271.00	1508	373.00	4168

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3014	171.00	2112	272.00	2253	374.00	362
74.00	41760	172.00	3994	273.00	21096	377.00	488
75.00	66848	173.00	5630	274.00	51128	378.00	68
76.00	13365	174.00	10626	275.00	294656	379.00	62
77.00	487552	175.00	18472	276.00	39720	382.00	57
78.00	32952	176.00	6117	277.00	21400	383.00	4699
79.00	28568	177.00	8270	278.00	3631	384.00	1354
80.00	22688	178.00	2978	279.00	685	385.00	379
81.00	32960	179.00	34872	280.00	69	386.00	64
82.00	7906	180.00	25672	281.00	347	389.00	170
83.00	7656	181.00	12461	282.00	703	390.00	2548
84.00	905	182.00	2166	283.00	2944	391.00	1718
85.00	4504	183.00	1210	284.00	1893	392.00	1221
86.00	8779	184.00	2625	285.00	4351	393.00	224
87.00	3904	185.00	18864	286.00	837	394.00	138
88.00	1464	186.00	134720	287.00	70	395.00	188
89.00	738	187.00	37888	288.00	426	396.00	124
90.00	125	188.00	4052	289.00	1021	397.00	150
91.00	7074	189.00	7703	290.00	763	398.00	59
92.00	8098	190.00	1647	291.00	695	399.00	53
93.00	50584	191.00	3731	292.00	1246	401.00	1301
94.00	3153	192.00	11946	293.00	5346	402.00	7350
95.00	876	193.00	13033	294.00	1670	403.00	10063
96.00	2289	194.00	2738	295.00	245	404.00	3630
98.00	36928	195.00	1774	296.00	79488	405.00	786
99.00	31096	196.00	36128	297.00	11070	409.00	94
100.00	2593	198.00	1050624	298.00	640	410.00	310
101.00	18440	199.00	71832	299.00	206	411.00	65
102.00	1046	200.00	5855	300.00	77	413.00	68
103.00	5535	201.00	6533	301.00	888	415.00	462
104.00	10274	203.00	6873	302.00	1801	416.00	295
105.00	10729	204.00	36664	303.00	10059	417.00	116
107.00	140672	205.00	61736	304.00	2520	418.00	131
108.00	22464	206.00	254080	305.00	372	419.00	132

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rslt\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	266048	207.00	33920	306.00	129	421.00	10071
111.00	39920	208.00	7199	308.00	1175	422.00	8396
112.00	4656	209.00	2624	309.00	829	423.00	68664
113.00	1756	211.00	10708	310.00	1191	424.00	16067
114.00	339	213.00	746	311.00	272	425.00	1851
115.00	387	214.00	335	312.00	291	426.00	184
116.00	6400	215.00	2712	313.00	1004	427.00	198
117.00	109248	216.00	6030	314.00	4337	428.00	50
118.00	7999	217.00	66248	315.00	9577	429.00	160
119.00	1043	218.00	8902	316.00	5419	430.00	131
120.00	1653	219.00	996	317.00	947	431.00	223
121.00	477	221.00	69184	318.00	126	432.00	236
122.00	8449	223.00	16752	319.00	314	433.00	65
123.00	13630	224.00	147264	320.00	385	434.00	416
124.00	6127	225.00	36064	321.00	2971	435.00	291
125.00	6481	226.00	4447	322.00	676	436.00	381
127.00	527232	227.00	56872	323.00	29376	437.00	519
128.00	40640	228.00	8099	324.00	5839	438.00	461
129.00	205952	229.00	12588	325.00	536	439.00	1019
130.00	17200	230.00	1628	326.00	665	441.00	201728
131.00	3122	231.00	5656	327.00	5190	442.00	1287680
132.00	1871	232.00	893	328.00	2741	443.00	260096
133.00	650	233.00	1129	329.00	579	444.00	24320
134.00	5013	234.00	3700	330.00	187	445.00	1375
135.00	15204	235.00	4632	331.00	70	446.00	53
136.00	6052	236.00	2952	332.00	2170		
137.00	8632	237.00	5626	333.00	2980		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111171/1-A
 Matrix: Water Lab File ID: HP27998.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:38
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 13:58
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.10	0.036
91-57-6	2-Methylnaphthalene	ND		0.13	0.030
90-12-0	1-Methylnaphthalene	ND		0.10	0.030
208-96-8	Acenaphthylene	ND		0.10	0.030
83-32-9	Acenaphthene	ND		0.10	0.030
86-73-7	Fluorene	ND		0.10	0.030
85-01-8	Phenanthrene	ND		0.10	0.030
120-12-7	Anthracene	ND		0.10	0.030
206-44-0	Fluoranthene	ND		0.10	0.030
129-00-0	Pyrene	ND		0.10	0.030
56-55-3	Benzo[a]anthracene	ND		0.10	0.030
218-01-9	Chrysene	ND		0.10	0.030
205-99-2	Benzo[b]fluoranthene	ND		0.10	0.030
207-08-9	Benzo[k]fluoranthene	ND		0.10	0.030
50-32-8	Benzo[a]pyrene	ND		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	ND		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	ND		0.10	0.030

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	72		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27998.D
 Lims ID: MB 580-111171/1-A Client ID:
 Inject. Date: 23-May-2012 13:58:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111171/1-a
 Misc. Info.: 580-0023402-003 =580-0023402-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 111929 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb Date: 24-May-2012 16:24:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	17455	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	45672	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	25109	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	40032	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	45619	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31808	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	144084	958.0	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	272482	720.2	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	73328	1211.7	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313265	723.1	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	850	2.84	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	630	2.09	
37 Phenanthrene	178	7.510	7.510	0.0	1	735	1.47	
38 Anthracene	178	7.550	7.550	0.0	1	131	0.2649	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 24-May-2012 16:24:02

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27998.D

Injection Date: 23-May-2012 13:58:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

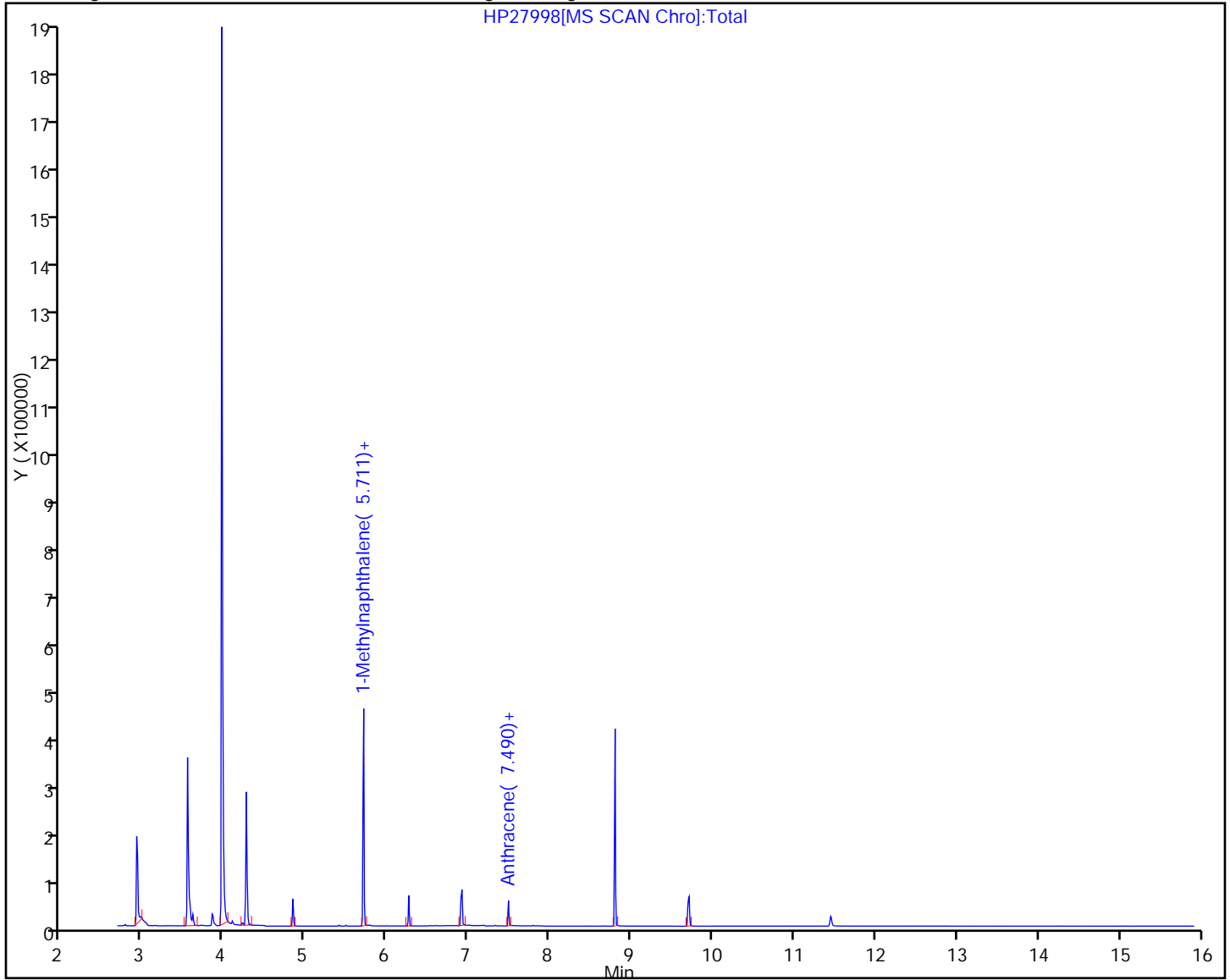
Lims Batch ID: 111929

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111684/1-A
 Matrix: Solid Lab File ID: HP28006.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 11:51
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.50	0.20
91-57-6	2-Methylnaphthalene	ND		0.50	0.20
90-12-0	1-Methylnaphthalene	ND		0.50	0.15
208-96-8	Acenaphthylene	ND		0.50	0.15
83-32-9	Acenaphthene	ND		0.50	0.15
86-73-7	Fluorene	ND		0.50	0.15
85-01-8	Phenanthrene	ND		0.50	0.15
120-12-7	Anthracene	ND		0.50	0.15
206-44-0	Fluoranthene	ND		0.50	0.15
129-00-0	Pyrene	ND		0.50	0.15
56-55-3	Benzo[a]anthracene	ND		0.50	0.15
218-01-9	Chrysene	ND		0.50	0.15
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.15
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.15
50-32-8	Benzo[a]pyrene	ND		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28006.D
 Lims ID: MB 580-111684/1-A Client ID:
 Inject. Date: 25-May-2012 11:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111684/1-a
 Misc. Info.: 580-0023449-003 =580-0023449-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 112072 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:14:24

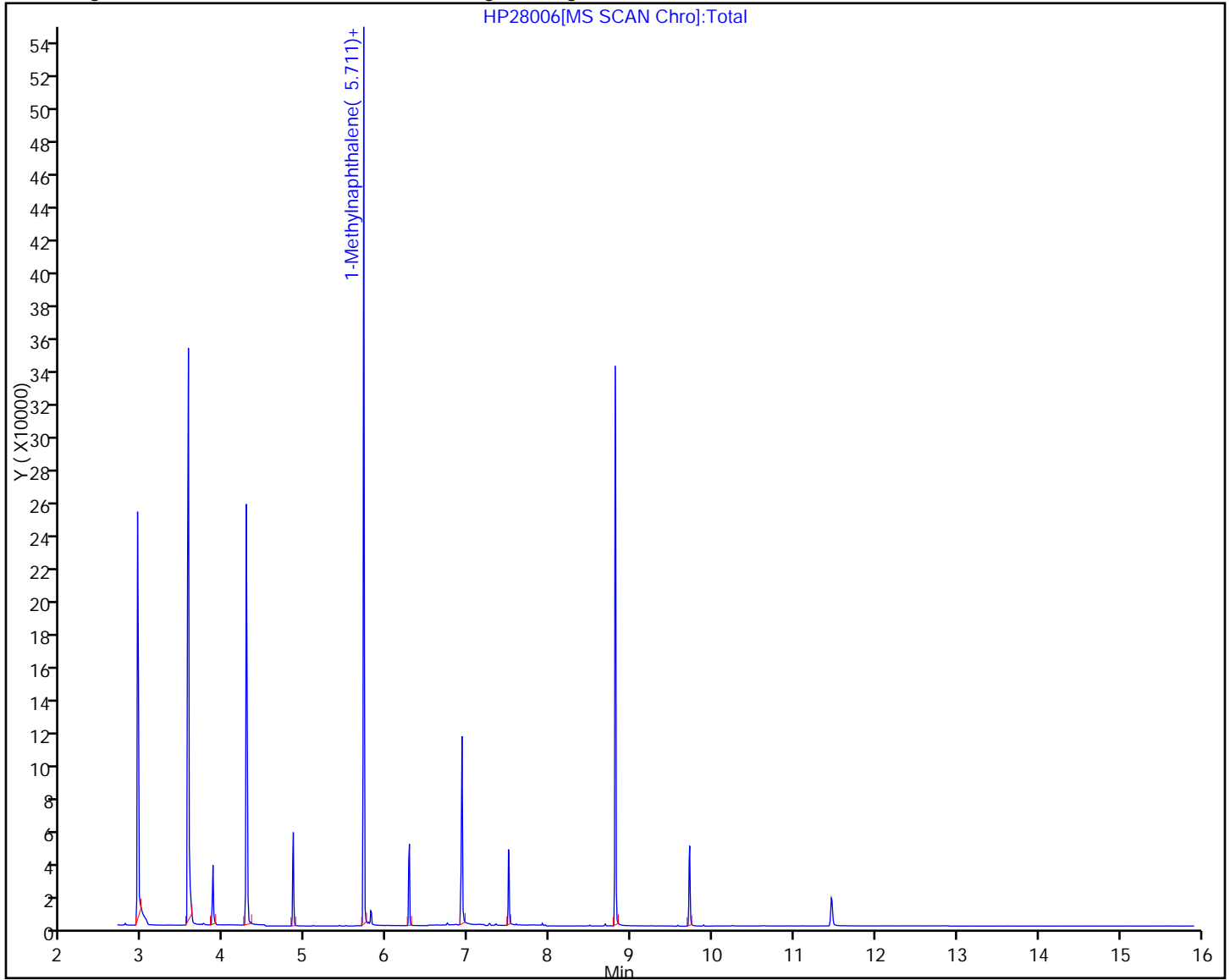
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17886	95.6	
* 2 Naphthalene-d8	136	4.846	4.839	0.007	1	46569	95.2	
* 3 Acenaphthene-d10	164	6.272	6.264	0.008	1	25232	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	39169	98.0	
* 5 Chrysene-d12	240	9.716	9.709	0.007	1	40860	98.1	
* 6 Perylene-d12	264	11.456	11.448	0.008	1	28574	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	138839	905.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298406	784.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	89731	1453.5	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313064	738.5	
27 2-Methylnaphthalene	141	5.415	5.415	0.0	1	204	0.6683	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	158	0.5145	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111171/2-A
 Matrix: Water Lab File ID: HP27999.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:38
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 14:20
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	10.0		0.10	0.036
91-57-6	2-Methylnaphthalene	9.58		0.13	0.030
90-12-0	1-Methylnaphthalene	9.67		0.10	0.030
208-96-8	Acenaphthylene	10.7		0.10	0.030
83-32-9	Acenaphthene	10.2		0.10	0.030
86-73-7	Fluorene	10.7		0.10	0.030
85-01-8	Phenanthrene	10.2		0.10	0.030
120-12-7	Anthracene	9.53		0.10	0.030
206-44-0	Fluoranthene	10.3		0.10	0.030
129-00-0	Pyrene	9.98		0.10	0.030
56-55-3	Benzo[a]anthracene	10.2		0.10	0.030
218-01-9	Chrysene	9.96		0.10	0.030
205-99-2	Benzo[b]fluoranthene	9.75		0.10	0.030
207-08-9	Benzo[k]fluoranthene	11.3		0.10	0.030
50-32-8	Benzo[a]pyrene	9.55		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	10.9		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	11.1		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	10.5		0.10	0.030

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	75		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27999.D
 Lims ID: LCS 580-111171/2-A Client ID:
 Inject. Date: 23-May-2012 14:20:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111171/2-a
 Misc. Info.: 580-0023402-004 =580-0023402-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 111929 Lims Sample ID: 4
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:22:55 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:25:33

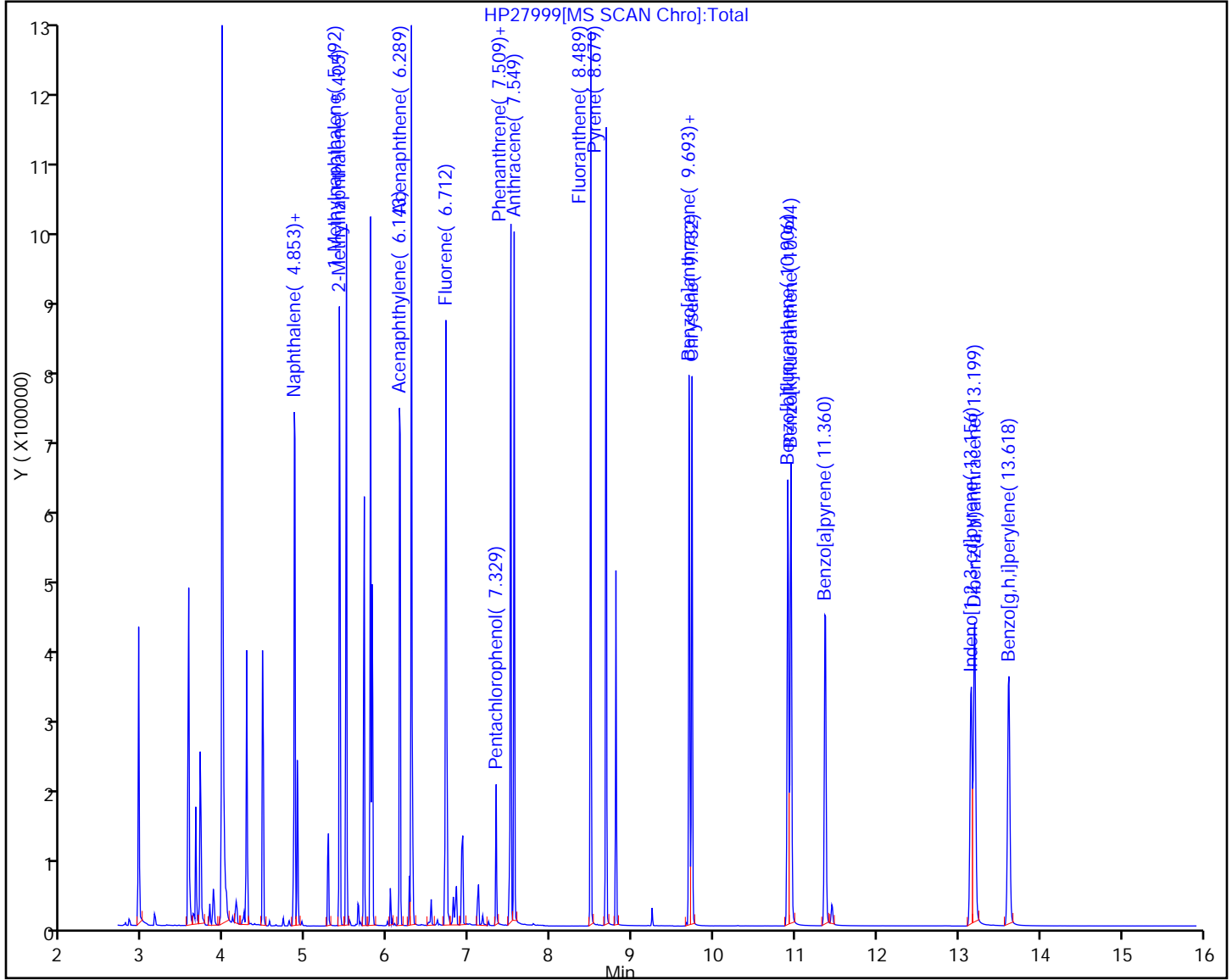
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.870	3.859	0.011	1	37209	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	49290	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	28034	98.0	
* 4 Phenanthrene-d10	188	7.489	7.490	-0.001	1	43942	98.0	
* 5 Chrysene-d12	240	9.706	9.709	-0.003	1	51614	98.1	
* 6 Perylene-d12	264	11.445	11.448	-0.003	1	40234	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	175137	1078.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	345064	816.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	119774	1718.2	M
\$ 12 Terphenyl-d14	244	8.798	8.799	-0.001	1	356850	750.4	
26 Naphthalene	128	4.860	4.860	0.0	1	555134	1003.1	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	309483	957.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	314445	967.3	
31 Acenaphthylene	152	6.143	6.151	-0.008	1	556276	1065.9	
29 Acenaphthene	153	6.289	6.289	0.0	3	358087	1016.3	
32 Fluorene	166	6.712	6.712	0.0	1	389902	1067.5	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	67648	1147.7	M
37 Phenanthrene	178	7.509	7.510	-0.001	1	561673	1020.0	
38 Anthracene	178	7.549	7.550	-0.001	1	517319	953.1	
42 Fluoranthene	202	8.489	8.490	-0.001	1	620972	1026.6	
41 Pyrene	202	8.679	8.680	-0.001	41	628004	997.8	
44 Benzo[a]anthracene	228	9.693	9.697	-0.004	1	590461	1018.8	
43 Chrysene	228	9.732	9.735	-0.003	1	598922	995.6	
45 Benzo[b]fluoranthene	252	10.906	10.909	-0.003	1	549276	975.4	
46 Benzo[k]fluoranthene	252	10.944	10.948	-0.004	1	647102	1134.6	
47 Benzo[a]pyrene	252	11.360	11.371	-0.011	1	479671	954.5	
50 Indeno[1,2,3-cd]pyrene	276	13.156	13.159	-0.003	1	495094	1087.2	M
49 Dibenz(a,h)anthracene	278	13.199	13.202	-0.003	1	531836	1108.6	
51 Benzo[g,h,i]perylene	276	13.618	13.621	-0.003	1	524219	1052.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

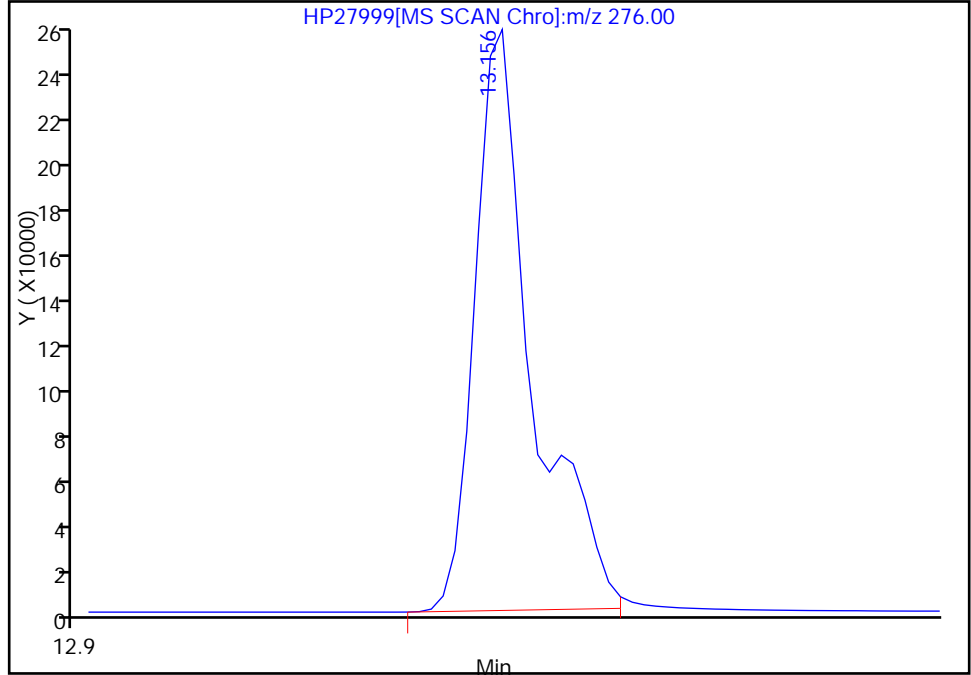


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP27999.D
Injection Date: 23-May-2012 14:20:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.16

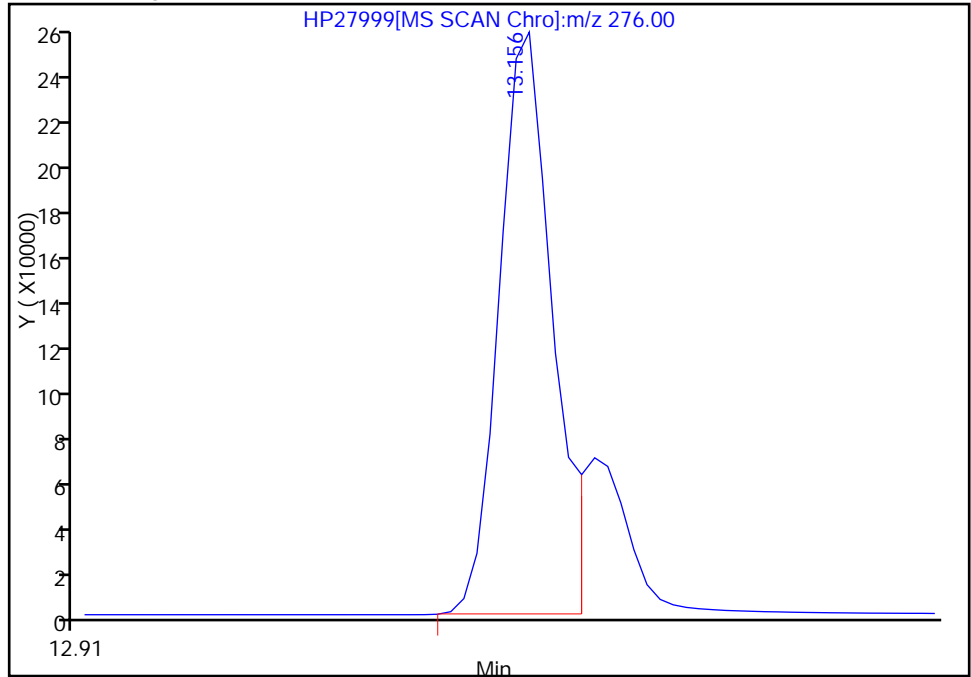
RT: 13.16
Response: 598612
Amount: 1314.5136

Processing Integration Results



RT: 13.16
Response: 495094
Amount: 1087.1947

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:25:33
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111684/2-A
 Matrix: Solid Lab File ID: HP28007.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 12:12
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89.4		0.50	0.20
91-57-6	2-Methylnaphthalene	85.5		0.50	0.20
90-12-0	1-Methylnaphthalene	85.5		0.50	0.15
208-96-8	Acenaphthylene	93.6		0.50	0.15
83-32-9	Acenaphthene	89.6		0.50	0.15
86-73-7	Fluorene	91.6		0.50	0.15
85-01-8	Phenanthrene	90.4		0.50	0.15
120-12-7	Anthracene	88.1		0.50	0.15
206-44-0	Fluoranthene	94.7		0.50	0.15
129-00-0	Pyrene	93.5		0.50	0.15
56-55-3	Benzo[a]anthracene	93.6		0.50	0.15
218-01-9	Chrysene	90.5		0.50	0.15
205-99-2	Benzo[b]fluoranthene	97.1		0.50	0.15
207-08-9	Benzo[k]fluoranthene	109		0.50	0.15
50-32-8	Benzo[a]pyrene	97.4		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	84.6		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	87.8		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	80.9		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
 Lims ID: LCS 580-111684/2-A Client ID:
 Inject. Date: 25-May-2012 12:12:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111684/2-a
 Misc. Info.: 580-0023449-004 =580-0023449-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 112072 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:14:55

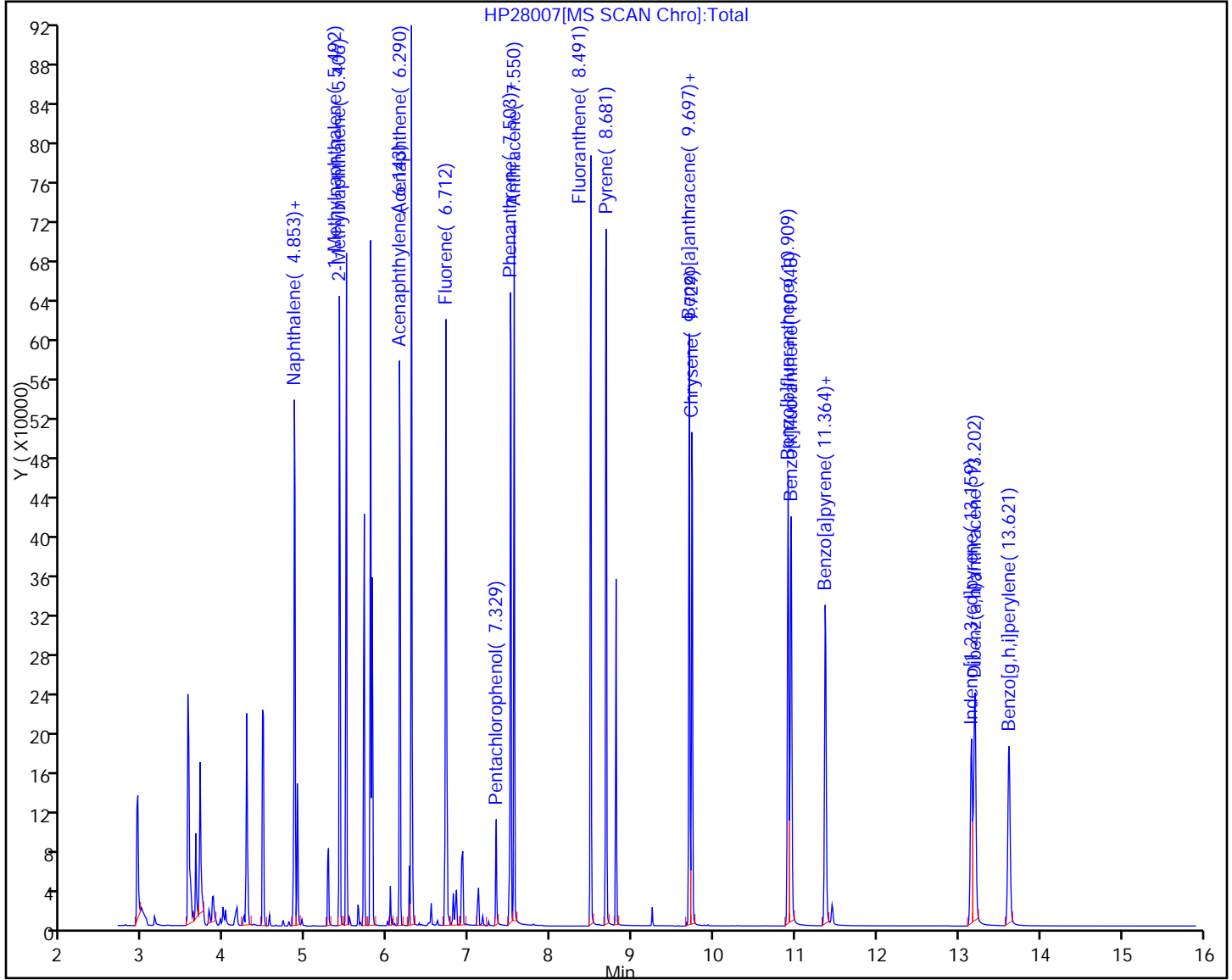
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	34419	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42276	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23915	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	36002	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	42854	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	29429	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	121569	873.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	259608	720.4	
\$ 51 2,4,6-Tribromophenol	330	6.919	6.918	0.001	0	78320	1347.3	M
\$ 12 Terphenyl-d14	244	8.800	8.799	0.001	1	270816	695.1	
26 Naphthalene	128	4.853	4.860	-0.007	1	424542	894.4	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	236810	854.5	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	238364	854.9	
31 Acenaphthylene	152	6.143	6.143	0.0	1	416778	936.1	
29 Acenaphthene	153	6.290	6.289	0.001	3	269252	895.8	
32 Fluorene	166	6.712	6.712	0.0	1	285296	915.7	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	43004	874.2	M
37 Phenanthrene	178	7.503	7.510	-0.007	1	407779	903.8	
38 Anthracene	178	7.550	7.550	0.0	1	391608	880.6	
42 Fluoranthene	202	8.491	8.490	0.0	1	469549	947.5	
41 Pyrene	202	8.681	8.680	0.001	41	481895	934.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	450320	935.8	
43 Chrysene	228	9.729	9.729	0.0	1	451871	904.7	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	399787	970.6	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	455105	1090.9	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	358135	974.3	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	281836	846.1	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	307909	877.5	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	294549	808.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D

Injection Date: 25-May-2012 12:12:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 112072

Lims Sample ID: 4

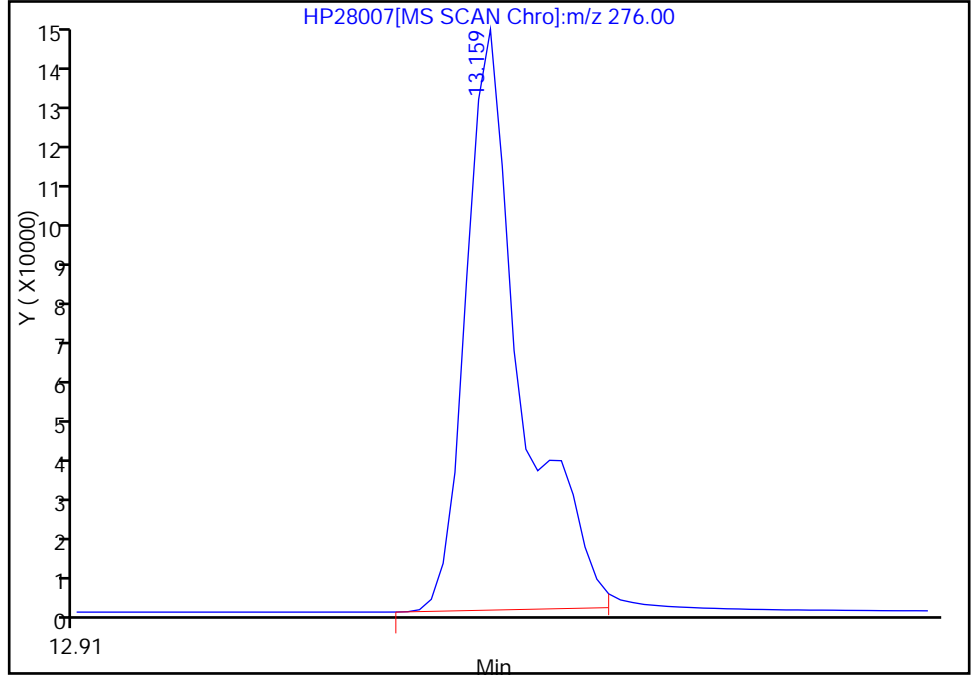
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

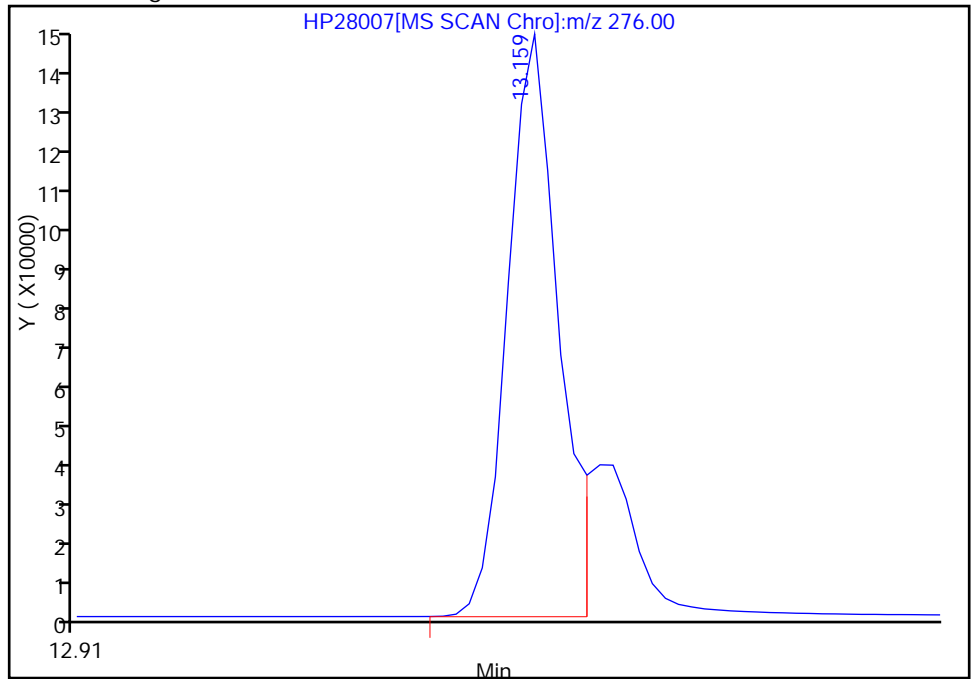
RT: 13.16
Response: 342665
Amount: 1028.7436

Processing Integration Results



RT: 13.16
Response: 281836
Amount: 846.1237

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 12:52:38

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 580-111171/3-A
 Matrix: Water Lab File ID: HP28000.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3520C Date Extracted: 05/11/2012 11:39
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/23/2012 14:42
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 111929 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	9.65		0.10	0.036
91-57-6	2-Methylnaphthalene	9.23		0.13	0.030
90-12-0	1-Methylnaphthalene	9.48		0.10	0.030
208-96-8	Acenaphthylene	10.2		0.10	0.030
83-32-9	Acenaphthene	9.71		0.10	0.030
86-73-7	Fluorene	9.71		0.10	0.030
85-01-8	Phenanthrene	9.86		0.10	0.030
120-12-7	Anthracene	9.06		0.10	0.030
206-44-0	Fluoranthene	10.1		0.10	0.030
129-00-0	Pyrene	9.89		0.10	0.030
56-55-3	Benzo[a]anthracene	10.1		0.10	0.030
218-01-9	Chrysene	9.71		0.10	0.030
205-99-2	Benzo[b]fluoranthene	10.4		0.10	0.030
207-08-9	Benzo[k]fluoranthene	11.2		0.10	0.030
50-32-8	Benzo[a]pyrene	9.56		0.20	0.030
193-39-5	Indeno[1,2,3-cd]pyrene	9.92		0.10	0.030
53-70-3	Dibenz(a,h)anthracene	9.92		0.10	0.030
191-24-2	Benzo[g,h,i]perylene	9.27		0.10	0.030

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	75		20-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28000.D
 Lims ID: LCSD 580-111171/3-A Client ID:
 Inject. Date: 23-May-2012 14:42:30 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID: lcsd 580-111171/3-a
 Misc. Info.: 580-0023402-005 =580-0023402-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 111929 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120523-23402.b\8270C SIM TAC023.m
 Last Update: 24-May-2012 16:30:08 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-19

First Level Reviewer: tadesseb

Date: 24-May-2012 16:30:08

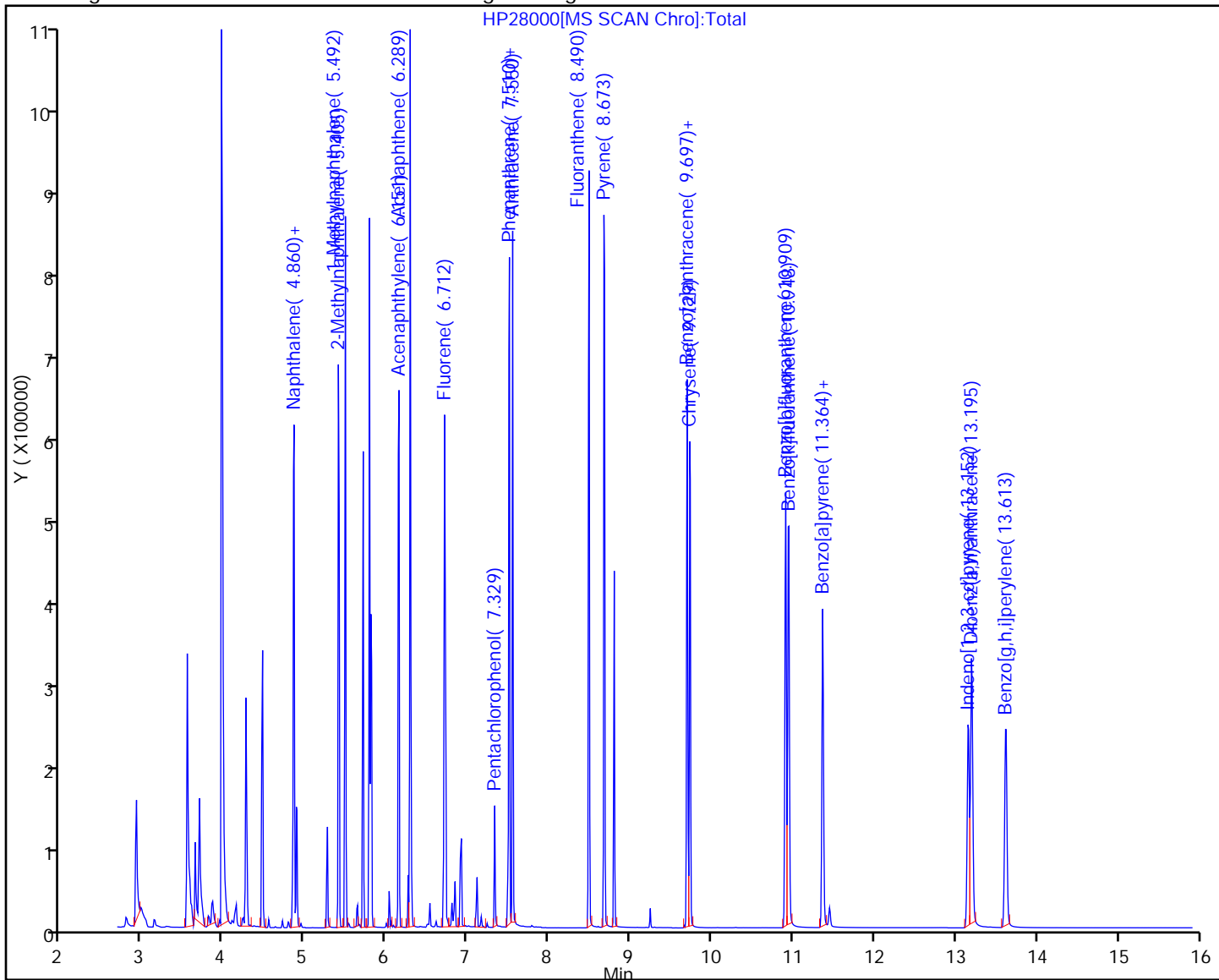
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	32142	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42989	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24476	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37525	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43172	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31349	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	145668	1028.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298163	808.4	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	94971	1574.2	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	306187	753.9	
26 Naphthalene	128	4.860	4.860	0.0	1	465873	965.2	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	260079	922.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	268644	947.6	
31 Acenaphthylene	152	6.151	6.151	0.0	1	464959	1020.4	
29 Acenaphthene	153	6.289	6.289	0.0	4	298842	971.5	
32 Fluorene	166	6.712	6.712	0.0	1	309626	971.0	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	48357	954.2	M
37 Phenanthrene	178	7.510	7.510	0.0	1	463448	985.5	
38 Anthracene	178	7.550	7.550	0.0	1	420154	906.4	
42 Fluoranthene	202	8.490	8.490	0.0	1	521299	1009.2	
41 Pyrene	202	8.680	8.680	0.0	41	531327	988.6	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	488840	1008.4	
43 Chrysene	228	9.729	9.735	-0.006	1	488627	971.1	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	454159	1035.1	
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	496731	1117.8	
47 Benzo[a]pyrene	252	11.364	11.371	-0.007	1	374357	956.1	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.159	-0.007	1	351883	991.7	M
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	1	370837	992.1	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	359860	927.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

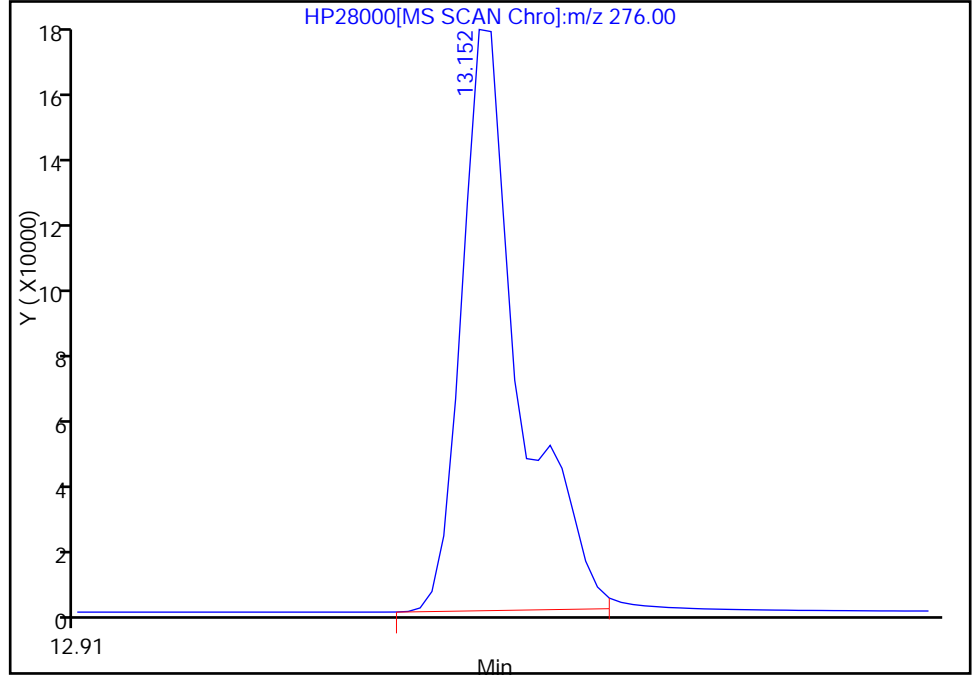


Data File: \\tacsrv5\ChromData\TAC023\20120523-23402.b\HP28000.D
Injection Date: 23-May-2012 14:42:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 111929 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.16

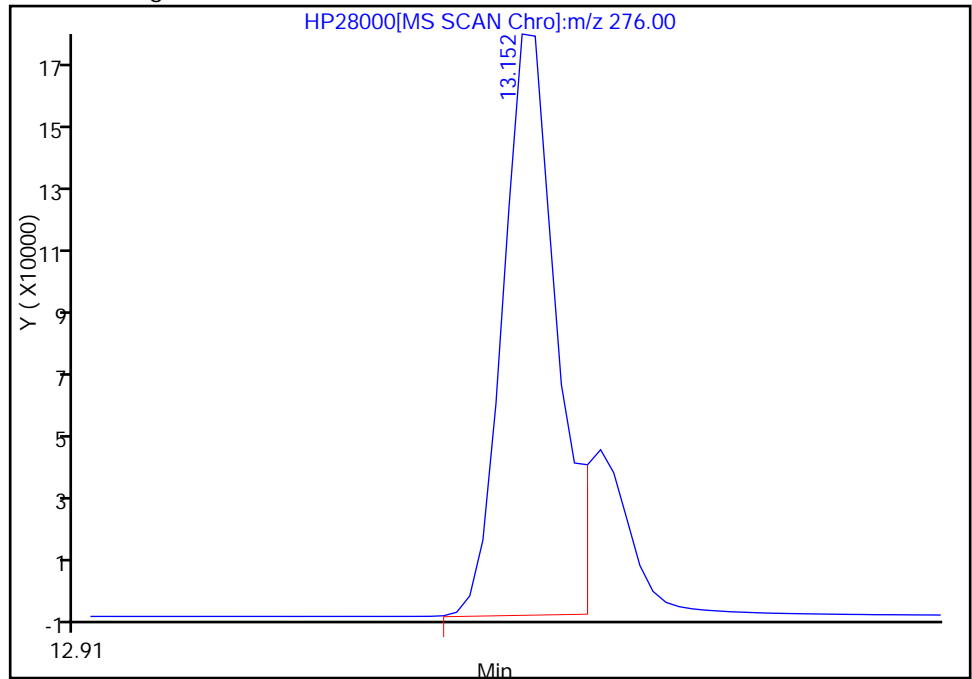
RT: 13.15
Response: 422161
Amount: 1189.7818

Processing Integration Results



RT: 13.15
Response: 351883
Amount: 991.7164

Manual Integration Results



Reviewer: tadesseb, 24-May-2012 16:30:08
Audit Action: Manually Integrated
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 04/26/2012 15:32Analysis Batch Number: 110125 End Date: 04/26/2012 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-110125/1		04/26/2012 15:32	1	HP27813.D	ZB-5MS 0.25 (mm)
IC 580-110125/3		04/26/2012 16:06	1	HP27815.D	ZB-5MS 0.25 (mm)
IC 580-110125/4		04/26/2012 16:28	1	HP27816.D	ZB-5MS 0.25 (mm)
IC 580-110125/5		04/26/2012 16:50	1	HP27817.D	ZB-5MS 0.25 (mm)
IC 580-110125/6		04/26/2012 17:11	1	HP27818.D	ZB-5MS 0.25 (mm)
ICIS 580-110125/7		04/26/2012 17:33	1	HP27819.D	ZB-5MS 0.25 (mm)
IC 580-110125/8		04/26/2012 17:55	1	HP27820.D	ZB-5MS 0.25 (mm)
IC 580-110125/9		04/26/2012 18:16	1	HP27821.D	ZB-5MS 0.25 (mm)
IC 580-110125/10		04/26/2012 18:38	1	HP27822.D	ZB-5MS 0.25 (mm)
ICV 580-110125/11		04/26/2012 19:00	1	HP27823.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/23/2012 13:24Analysis Batch Number: 111929 End Date: 05/23/2012 15:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-111929/1		05/23/2012 13:24	1	HP27996.D	ZB-5MS 0.25 (mm)
CCVIS 580-111929/2		05/23/2012 13:37	1	HP27997.D	ZB-5MS 0.25 (mm)
MB 580-111171/1-A		05/23/2012 13:58	1	HP27998.D	ZB-5MS 0.25 (mm)
LCS 580-111171/2-A		05/23/2012 14:20	1	HP27999.D	ZB-5MS 0.25 (mm)
LCSD 580-111171/3-A		05/23/2012 14:42	1	HP28000.D	ZB-5MS 0.25 (mm)
580-32803-54	JW-RB-120507	05/23/2012 15:04	1	HP28001.D	ZB-5MS 0.25 (mm)
580-32803-55	JW-FB-120507	05/23/2012 15:25	1	HP28002.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/25/2012 10:11Analysis Batch Number: 112072 End Date: 05/25/2012 15:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-112072/1		05/25/2012 10:11	1	HP28004.D	ZB-5MS 0.25 (mm)
CCVIS 580-112072/2		05/25/2012 10:24	1	HP28005.D	ZB-5MS 0.25 (mm)
MB 580-111684/1-A		05/25/2012 11:51	1	HP28006.D	ZB-5MS 0.25 (mm)
LCS 580-111684/2-A		05/25/2012 12:12	1	HP28007.D	ZB-5MS 0.25 (mm)
580-32803-7	JW-EA58-COMP-120507	05/25/2012 12:34	1	HP28008.D	ZB-5MS 0.25 (mm)
580-32803-10	JW-EA08-COMP-120507	05/25/2012 12:56	1	HP28009.D	ZB-5MS 0.25 (mm)
580-32803-21	JW-EA10-COMP-120507	05/25/2012 13:17	1	HP28010.D	ZB-5MS 0.25 (mm)
580-32803-46	JW-EA01-COMP-120507	05/25/2012 13:39	1	HP28011.D	ZB-5MS 0.25 (mm)
580-32803-53	JW-EA09-COMP-120507	05/25/2012 14:01	1	HP28012.D	ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:22	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:44	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 15:06	1		ZB-5MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111171 Batch Start Date: 05/11/12 11:38 Batch Analyst: DeMonnin, Robert

Batch Method: 3520C Batch End Date: 05/14/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	FirstAdjustpH	8270flspk 00109	8270Surr 00043
MB 580-111171/1		3520C, 8270C SIM		6	1000 mL	10 mL	<2		100 uL
LCS 580-111171/2		3520C, 8270C SIM		6	1000 mL	10 mL	<2	500 uL	100 uL
LCSD 580-111171/3		3520C, 8270C SIM		6	1000 mL	10 mL	<2	500 uL	100 uL
580-32803-A-54	JW-RB-120507	3520C, 8270C SIM	T	6	1000 mL	10 mL	<2		100 uL
580-32803-A-55	JW-FB-120507	3520C, 8270C SIM	T	6	1040 mL	10 mL	<2		100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 580-111171/1		3520C, 8270C SIM							
LCS 580-111171/2		3520C, 8270C SIM							
LCSD 580-111171/3		3520C, 8270C SIM							
580-32803-A-54	JW-RB-120507	3520C, 8270C SIM	T	SIM					
580-32803-A-55	JW-FB-120507	3520C, 8270C SIM	T	SIM					

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111171 Batch Start Date: 05/11/12 11:38 Batch Analyst: DeMonnin, RobertBatch Method: 3520C Batch End Date: 05/14/12 16:00

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	867004
Person's name who did the concentration	Bob
Filter Paper Lot Number	781559
Time the first extraction ended 24hr	5-12-12@1000
Time the first extraction started 24 hr	5-11-12@1600
Na2SO4 Lot Number	832170
Prep Solvent Lot #	900007
Prep Solvent Name	DCM
Prep Solvent Volume Used	220 mL
Person's name who did the prep	Bob
Sufficient volume for MS/MSD?	no
ID number of the thermometer	15-041-1a-3
Uncorrected Temperature	70-75 Celsius
Water Bath ID	tac603
Water Bath Temperature	69-74 Celsius

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111684 Batch Start Date: 05/18/12 14:29 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 05/21/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270 ARC Surr 00003	8270LLflspk 00005		
MB 580-111684/1		3550B, 8270C SIM		20 g	2 mL	100 uL			
LCS 580-111684/2		3550B, 8270C SIM		20 g	2 mL	100 uL	500 uL		
580-32803-D-7	JW-EA58-COMP-120 507	3550B, 8270C SIM	T	20.2181 g	2 mL	100 uL			
580-32803-E-10	JW-EA08-COMP-120 507	3550B, 8270C SIM	T	20.5920 g	2 mL	100 uL			
580-32803-E-21	JW-EA10-COMP-120 507	3550B, 8270C SIM	T	20.6582 g	2 mL	100 uL			
580-32803-D-46	JW-EA01-COMP-120 507	3550B, 8270C SIM	T	20.0905 g	2 mL	100 uL			
580-32803-E-53	JW-EA09-COMP-120 507	3550B, 8270C SIM	T	20.1528 g	2 mL	100 uL			

Batch Notes	
Acid used for Clean Up Reagent	861553
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	900005
Prep Solvent Name	DCM
Prep Solvent Volume Used	10 (verified volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	51.3-61.3 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	50.8-60.8 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-32803-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA58-COMP-120507	580-32803-7
JW-EA08-COMP-120507	580-32803-10
JW-EA06-COMP-120507	580-32803-15
JW-EA10-SS39-120507	580-32803-16
JW-EA10-SS41-120507	580-32803-17
JW-EA10-SS40-120507	580-32803-18
JW-EA10-SS43-120507	580-32803-19
JW-EA10-SS42-120507	580-32803-20
JW-EA10-COMP-120507	580-32803-21
JW-EA07-COMP-120507	580-32803-26
JW-EA03-COMP-120507	580-32803-30
JW-EA02-COMP-120507	580-32803-36
JW-EA04-COMP-120507	580-32803-41
JW-EA01-SS03-120507	580-32803-42
JW-EA01-SS04-120507	580-32803-43
JW-EA01-SS01-120507	580-32803-44
JW-EA01-SS02-120507	580-32803-45
JW-EA01-COMP-120507	580-32803-46
JW-EA09-COMP-120507	580-32803-53

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job Number: 580-32803-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA58-COMP-120507	580-32803-7
JW-EA08-COMP-120507	580-32803-10
JW-EA06-COMP-120507	580-32803-15
JW-EA10-SS39-120507	580-32803-16
JW-EA10-SS41-120507	580-32803-17
JW-EA10-SS40-120507	580-32803-18
JW-EA10-SS43-120507	580-32803-19
JW-EA10-SS42-120507	580-32803-20
JW-EA10-COMP-120507	580-32803-21
JW-EA07-COMP-120507	580-32803-26
JW-EA03-COMP-120507	580-32803-30
JW-EA02-COMP-120507	580-32803-36
JW-EA04-COMP-120507	580-32803-41
JW-EA01-SS03-120507	580-32803-42
JW-EA01-SS04-120507	580-32803-43
JW-EA01-SS01-120507	580-32803-44
JW-EA01-SS02-120507	580-32803-45
JW-EA01-COMP-120507	580-32803-46
JW-EA09-COMP-120507	580-32803-53

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:28

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-COMP-120507

Lab Sample ID: 580-32803-15

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 10:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	24000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:34

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:20

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	23000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 09:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	16000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-COMP-120507

Lab Sample ID: 580-32803-26

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:33

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	31000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:53

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	17000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:22

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	39000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:39

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	28000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Lab Name: TestAmerica Seattle

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 18:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA58-COMP-120507

Lab Sample ID: 580-32803-7

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1800	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-COMP-120507

Lab Sample ID: 580-32803-10

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:28

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-COMP-120507

Lab Sample ID: 580-32803-15

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1200	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS39-120507

Lab Sample ID: 580-32803-16

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 10:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS41-120507

Lab Sample ID: 580-32803-17

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS40-120507

Lab Sample ID: 580-32803-18

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:34

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS43-120507

Lab Sample ID: 580-32803-19

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:20

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-SS42-120507

Lab Sample ID: 580-32803-20

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 09:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA10-COMP-120507

Lab Sample ID: 580-32803-21

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-COMP-120507

Lab Sample ID: 580-32803-26

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:33

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1600	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-COMP-120507

Lab Sample ID: 580-32803-30

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 16:53

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-COMP-120507

Lab Sample ID: 580-32803-36

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-COMP-120507

Lab Sample ID: 580-32803-41

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS03-120507

Lab Sample ID: 580-32803-42

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	2100	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS04-120507

Lab Sample ID: 580-32803-43

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS01-120507

Lab Sample ID: 580-32803-44

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:22

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1900	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-SS02-120507

Lab Sample ID: 580-32803-45

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1900	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA01-COMP-120507

Lab Sample ID: 580-32803-46

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 17:39

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1700	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-COMP-120507

Lab Sample ID: 580-32803-53

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 18:03

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Analyst: AM Batch Start Date: 06/08/2012
 Reporting Units: mg/Kg Analytical Batch No.: 113143

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:16	Total Organic Carbon	118000	120000	99	80-120		CaCO3_00002
2	ICB	13:19	Total Organic Carbon	ND					
13	CCV	13:58	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
14	CCB	14:01	Total Organic Carbon	ND					
25	CCV	14:46	Total Organic Carbon	120000	120000	100	80-120		CaCO3_00002
26	CCB	14:48	Total Organic Carbon	ND					
31	CCV	15:08	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
32	CCB	15:10	Total Organic Carbon	ND					
33	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
34	ICB	18:07	Total Organic Carbon	ND					
35	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
36	CCB	19:35	Total Organic Carbon	ND					
38	CCV	20:10	Total Organic Carbon	122000	120000	101	80-120		CaCO3_00002
39	CCB	20:12	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1
 SDG No.: _____
 Analyst: AJN Batch Start Date: 05/29/2012
 Reporting Units: mg/Kg Analytical Batch No.: 39474

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	14:52	Black Carbon	742000	711000	104	85-115		WCLKCCVs_00006
2	ICB	14:59	Black Carbon	ND					
13	CCV	17:26	Black Carbon	798000	711000	112	85-115		WCLKCCVs_00006
14	CCB	17:33	Black Carbon	ND					
25	CCV	19:54	Black Carbon	762000	711000	107	85-115		WCLKCCVs_00006
26	CCB	20:01	Black Carbon	ND					
28	CCV	20:21	Black Carbon	690000	711000	97	85-115		WCLKCCVs_00006
29	CCB	20:27	Black Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113143 Date: 06/08/2012 13:21							
9060_PSEP	MB 580-113143/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32803-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39474 Date: 05/29/2012 15:06							
Lloyd Kahn	MB 200-39474/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39474/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39474/3	Black Carbon	ND		mg/Kg	1000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143 Date: 06/08/2012 13:39											
9060_PS EP	580-32803-7	Total Organic Carbon	28000		mg/Kg						
9060_PS EP	580-32803-7	Total Organic Carbon	139000		mg/Kg	113000	98	76-128			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143 Date: 06/11/2012 20:05											
9060_PS	580-32803-7	Total Organic Carbon	140000		mg/Kg	111000	101	76-128	0	28	
EP	MSD										

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 113143 Date: 06/08/2012 13:29								
9060_PSEP	JW-EA58-COMP-12050 7	580-32803-7	Total Organic Carbon	28000	mg/Kg			
9060_PSEP	JW-EA58-COMP-12050 7	580-32803-7 DU	Total Organic Carbon	29900	mg/Kg	5	50	
Batch ID: 113143 Date: 06/08/2012 13:34								
9060_PSEP	JW-EA58-COMP-12050 7	580-32803-7	Total Organic Carbon	28000	mg/Kg			
9060_PSEP	JW-EA58-COMP-12050 7	580-32803-7 DU	Total Organic Carbon	30300	mg/Kg	7	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113143		Date: 06/08/2012 13:23									
						LCS Source: TOCS_LCS_00002					
9060_PS	LCS	Total Organic Carbon	3300		mg/Kg	2720	121	34-166			
EP	580-113143/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39474		Date: 05/29/2012 15:19									
						LCS Source: WCBCLCSs_00006					
Lloyd	LCS	Black Carbon	10700		mg/Kg	9900	108	50-150			
Kahn	200-39474/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32803-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/08/2012 13:16 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113143/1	1		13:16	X															
ICB 580-113143/2	1		13:19	X															
MB 580-113143/3	1	T	13:21	X															
LCS 580-113143/4	1	T	13:23	X															
580-32803-7	1	T	13:25	X															
580-32803-7 DU	1	T	13:29	X															
580-32803-7 DU	1	T	13:34	X															
580-32803-7 MS	1	T	13:39	X															
580-32803-10	1	T	13:41	X															
580-32803-15	1	T	13:45	X															
580-32803-16	1	T	13:49	X															
580-32803-17	1	T	13:54	X															
CCV 580-113143/13	1		13:58	X															
CCB 580-113143/14	1		14:01	X															
580-32803-18	1	T	14:03	X															
580-32803-19	1	T	14:07	X															
580-32803-20	1	T	14:11	X															
580-32803-21	1	T	14:16	X															
580-32803-26	1	T	14:20	X															
580-32803-30	1	T	14:24	X															
580-32803-36	1	T	14:29	X															
580-32803-41	1	T	14:33	X															
580-32803-42	1	T	14:37	X															
580-32803-43	1	T	14:41	X															
CCV 580-113143/25	1		14:46	X															
CCB 580-113143/26	1		14:48	X															
580-32803-44	1	T	14:50	X															
580-32803-45	1	T	14:55	X															
580-32803-46	1	T	14:59	X															
580-32803-53	1	T	15:03	X															
CCV 580-113143/31	1		15:08	X															
CCB 580-113143/32	1		15:10	X															
ICV 580-113143/33	1		18:05	X															
ICB 580-113143/34	1		18:07	X															
CCV 580-113143/35	1		19:33	X															
CCB 580-113143/36	1		19:35	X															
580-32803-7 MSD	1	T	20:05	X															
CCV 580-113143/38	1		20:10	X															
CCB 580-113143/39	1		20:12	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/15/2012 11:20 End Date: 05/15/2012 11:20

Lab Sample ID	D / F	Type	Time	Analytes															
				% S o l	M o i s t														
580-32803-7	1	T	11:20	X	X														
580-32803-7 DU	1	T	11:20	X	X														
580-32803-10	1	T	11:20	X	X														
580-32803-15	1	T	11:20	X	X														
580-32803-16	1	T	11:20	X	X														
580-32803-17	1	T	11:20	X	X														
580-32803-18	1	T	11:20	X	X														
580-32803-19	1	T	11:20	X	X														
580-32803-20	1	T	11:20	X	X														
580-32803-21	1	T	11:20	X	X														
580-32803-26	1	T	11:20	X	X														
580-32803-30	1	T	11:20	X	X														
580-32803-36	1	T	11:20	X	X														
580-32803-41	1	T	11:20	X	X														
580-32803-42	1	T	11:20	X	X														
580-32803-43	1	T	11:20	X	X														
580-32803-44	1	T	11:20	X	X														
580-32803-45	1	T	11:20	X	X														
580-32803-46	1	T	11:20	X	X														
580-32803-53	1	T	11:20	X	X														
ZZZZZZ			11:20																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32803-1

SDG No.: _____

Instrument ID: WCCH2 Method: Lloyd Kahn

Start Date: 05/29/2012 14:52 End Date: 05/29/2012 20:27

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				B C																			
ICV 200-39474/1	1		14:52	X																			
ICB 200-39474/2	1		14:59	X																			
MB 200-39474/3	1	T	15:06	X																			
LCS 200-39474/4	1	T	15:19	X																			
580-32803-7	1	T	15:40	X																			
580-32803-10	1	T	15:53	X																			
580-32803-15	1	T	16:07	X																			
580-32803-16	1	T	16:20	X																			
580-32803-17	1	T	16:33	X																			
580-32803-18	1	T	16:46	X																			
580-32803-19	1	T	17:00	X																			
580-32803-20	1	T	17:13	X																			
CCV 200-39474/13	1		17:26	X																			
CCB 200-39474/14	1		17:33	X																			
580-32803-21	1	T	17:40	X																			
580-32803-26	1	T	17:53	X																			
580-32803-30	1	T	18:07	X																			
580-32803-36	1	T	18:20	X																			
580-32803-41	1	T	18:33	X																			
580-32803-42	1	T	18:47	X																			
580-32803-43	1	T	19:00	X																			
580-32803-44	1	T	19:13	X																			
580-32803-45	1	T	19:27	X																			
580-32803-46	1	T	19:40	X																			
CCV 200-39474/25	1		19:54	X																			
CCB 200-39474/26	1		20:01	X																			
580-32803-53	1	T	20:07	X																			
CCV 200-39474/28	1		20:21	X																			
CCB 200-39474/29	1		20:27	X																			

Prep Types
T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.1867	TA SOIL LINNEAR	6/8/2012 1:16:56 PM	11.84	E05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1956	TA SOIL LINNEAR	6/8/2012 1:19:07 PM	-0.01159	E06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1962	TA SOIL LINNEAR	6/8/2012 1:21:02 PM	-0.006040	E07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSSRM		0.1867	TA SOIL LINNEAR	6/8/2012 1:23:14 PM	0.3297	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7		0.1995	TA SOIL LINNEAR	6/8/2012 1:25:25 PM	2.779	E09
32803-A-7		0.2197	TA SOIL LINNEAR	6/8/2012 1:27:47 PM	2.882	E10
Average		0.2096			2.831	
Std. Deviation		0.01			0.0724	
RSD		6.815			2.558	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 dup		0.2197	TA SOIL LINNEAR	6/8/2012 1:29:59 PM	3.123	A01
32803-A-7 dup		0.2046	TA SOIL LINNEAR	6/8/2012 1:32:10 PM	2.858	A02
Average		0.2122			2.991	
Std. Deviation		0.01			0.1873	
RSD		5.033			6.262	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 trip		0.2291	TA SOIL LINNEAR	6/8/2012 1:34:21 PM	2.671	A03
32803-A-7 trip		0.2213	TA SOIL LINNEAR	6/8/2012 1:36:32 PM	3.384	A04
Average		0.2252			3.027	
Std. Deviation		0.006			0.5039	
RSD		2.449			16.65	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 ms	0.1032	0.1097	TA SOIL LINNEAR	6/8/2012 1:39:06 PM	13.94	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-10		0.2064	TA SOIL LINNEAR	6/8/2012 1:41:17 PM	2.877	A06
32803-A-10		0.1952	TA SOIL LINNEAR	6/8/2012 1:43:28 PM	2.955	A07
Average		0.2008			2.916	
Std. Deviation		0.008			0.0553	
RSD		3.944			1.896	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-15		0.2162	TA SOIL LINNEAR	6/8/2012 1:45:24 PM	1.911	A08
32803-A-15		0.1985	TA SOIL LINNEAR	6/8/2012 1:47:35 PM	1.854	A09
Average		0.2074			1.882	
Std. Deviation		0.01			0.0400	
RSD		6.036			2.125	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-16		0.2041	TA SOIL LINNEAR	6/8/2012 1:49:46 PM	2.115	A10
32803-A-16		0.1951	TA SOIL LINNEAR	6/8/2012 1:51:57 PM	2.597	B01
Average		0.1996			2.356	
Std. Deviation		0.006			0.3408	
RSD		3.188			14.46	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-17		0.2069	TA SOIL LINNEAR	6/8/2012 1:54:08 PM	2.713	B02
32803-A-17		0.2061	TA SOIL LINNEAR	6/8/2012 1:56:04 PM	2.813	B03
Average		0.2065			2.763	
Std. Deviation		0.0006			0.0707	
RSD		0.274			2.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1061	TA SOIL LINNEAR	6/8/2012 1:58:49 PM	12.11	B04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.1975	TA SOIL LINNEAR	6/8/2012 2:01:00 PM	-0.01540	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-18		0.1881	TA SOIL LINNEAR	6/8/2012 2:03:12 PM	2.607	B06
32803-A-18		0.1959	TA SOIL LINNEAR	6/8/2012 2:05:24 PM	2.353	B07
Average		0.1920			2.480	
Std. Deviation		0.006			0.1791	
RSD		2.873			7.221	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-19		0.2104	TA SOIL LINNEAR	6/8/2012 2:07:35 PM	2.249	B08
32803-A-19		0.2162	TA SOIL LINNEAR	6/8/2012 2:09:46 PM	2.357	B09
Average		0.2133			2.303	
Std. Deviation		0.004			0.0763	
RSD		1.923			3.314	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-20		0.1950	TA SOIL LINNEAR	6/8/2012 2:11:57 PM	1.580	B10
32803-A-20		0.2142	TA SOIL LINNEAR	6/8/2012 2:13:54 PM	1.545	C01

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Average		0.2046			1.563	
Std. Deviation		0.01			0.0245	
RSD		6.636			1.571	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-21		0.2035	TA SOIL LINNEAR	6/8/2012 2:16:07 PM	2.132	C02
32803-A-21		0.1974	TA SOIL LINNEAR	6/8/2012 2:18:18 PM	1.949	C03
Average		0.2004			2.041	
Std. Deviation		0.004			0.1295	
RSD		2.152			6.348	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-26		0.2125	TA SOIL LINNEAR	6/8/2012 2:20:17 PM	3.122	C04
32803-A-26		0.1979	TA SOIL LINNEAR	6/8/2012 2:22:29 PM	3.122	C05
Average		0.2052			3.122	
Std. Deviation		0.01			0.0003	
RSD		5.031			0.010	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-30		0.1943	TA SOIL LINNEAR	6/8/2012 2:24:40 PM	2.557	C06
32803-A-30		0.2063	TA SOIL LINNEAR	6/8/2012 2:26:51 PM	2.512	C07
Average		0.2003			2.534	
Std. Deviation		0.008			0.0318	
RSD		4.236			1.257	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-36		0.1978	TA SOIL LINNEAR	6/8/2012 2:29:02 PM	2.706	C08
32803-A-36		0.2091	TA SOIL LINNEAR	6/8/2012 2:30:58 PM	2.884	C09
Average		0.2035			2.795	
Std. Deviation		0.008			0.1258	
RSD		3.927			4.503	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-41		0.2051	TA SOIL LINNEAR	6/8/2012 2:33:09 PM	1.643	C10
32803-A-41		0.2132	TA SOIL LINNEAR	6/8/2012 2:35:20 PM	1.725	D01
Average		0.2092			1.684	
Std. Deviation		0.006			0.0580	
RSD		2.738			3.445	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-42		0.2058	TA SOIL LINNEAR	6/8/2012 2:37:19 PM	1.960	D02
32803-A-42		0.1876	TA SOIL LINNEAR	6/8/2012 2:39:30 PM	1.846	D03

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Average		0.1967			1.903	
Std. Deviation		0.01			0.0806	
RSD		6.543			4.236	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-43		0.2030	TA SOIL LINNEAR	6/8/2012 2:41:41 PM	2.720	D04
32803-A-43		0.1965	TA SOIL LINNEAR	6/8/2012 2:43:53 PM	2.709	D05
Average		0.1998			2.714	
Std. Deviation		0.005			0.0078	
RSD		2.301			0.288	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1023	TA SOIL LINNEAR	6/8/2012 2:46:31 PM	12.03	D06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2175	TA SOIL LINNEAR	6/8/2012 2:48:42 PM	-0.02113	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-44		0.1910	TA SOIL LINNEAR	6/8/2012 2:50:53 PM	2.904	D08
32803-A-44		0.1978	TA SOIL LINNEAR	6/8/2012 2:53:04 PM	2.897	D09
Average		0.1944			2.901	
Std. Deviation		0.005			0.0051	
RSD		2.473			0.176	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-45		0.1965	TA SOIL LINNEAR	6/8/2012 2:55:15 PM	3.847	D10
32803-A-45		0.2044	TA SOIL LINNEAR	6/8/2012 2:57:26 PM	3.993	E01
Average		0.2005			3.920	
Std. Deviation		0.006			0.1032	
RSD		2.787			2.633	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-46		0.2008	TA SOIL LINNEAR	6/8/2012 2:59:37 PM	2.742	E02
32803-A-46		0.2016	TA SOIL LINNEAR	6/8/2012 3:01:49 PM	2.810	E03
Average		0.2012			2.776	
Std. Deviation		0.0006			0.0481	
RSD		0.281			1.734	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-53		0.2177	TA SOIL LINNEAR	6/8/2012 3:03:44 PM	1.858	E04
32803-A-53		0.2132	TA SOIL LINNEAR	6/8/2012 3:05:55 PM	1.705	E05
Average		0.2155			1.781	
Std. Deviation		0.003			0.1081	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
RSD		1.477			6.070	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1021	TA SOIL LINNEAR	6/8/2012 3:08:31 PM	12.06	E06
CCV-3		0.1829	TA SOIL LINNEAR	6/8/2012 3:10:42 PM	-0.01684	E07
Average		0.1425			6.021	
Std. Deviation		0.06			8.5394	
RSD		40.09			141.8	

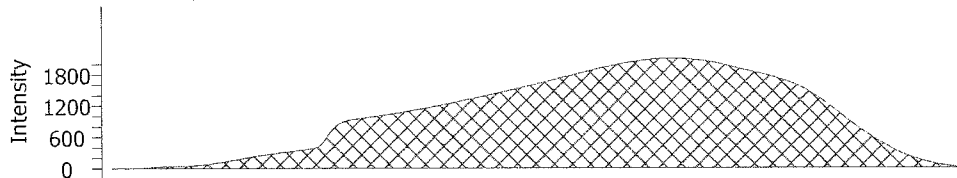
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Mass	0.1958	0.03	14.31	53
Carbon %	3.185	3.1567	99.11	53

SC632

ICV

Name	Description	Mass	Method
ICV		0.1867	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:16:56 PM		E05	

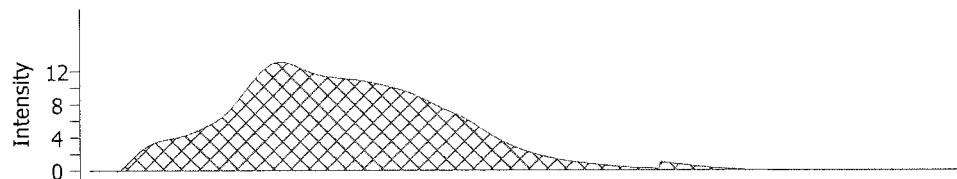
Carbon %
11.84



ICB

Name	Description	Mass	Method
ICB		0.1956	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:19:07 PM		E06	

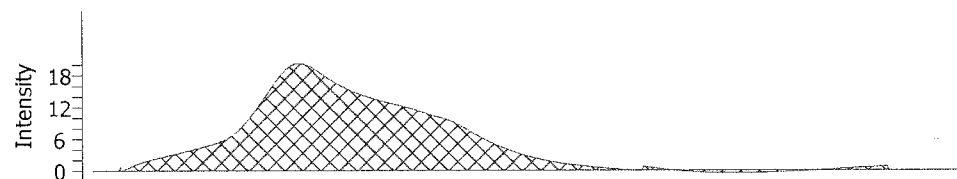
Carbon %
-0.01159



MB

Name	Description	Mass	Method
MB		0.1962	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:21:02 PM		E07	

Carbon %
-0.006040

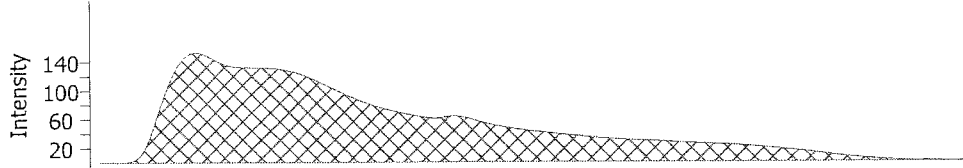


SC632

LCSSRM

Name	Description	Mass	Method
LCSSRM		0.1867	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:23:14 PM		E08	

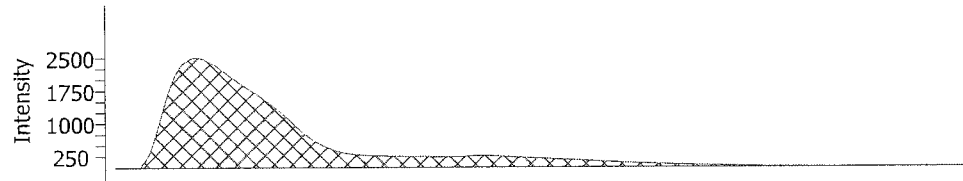
Carbon %
0.3297



32803-A-7

Name	Description	Mass	Method
32803-A-7		0.1995	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:25:25 PM		E09	

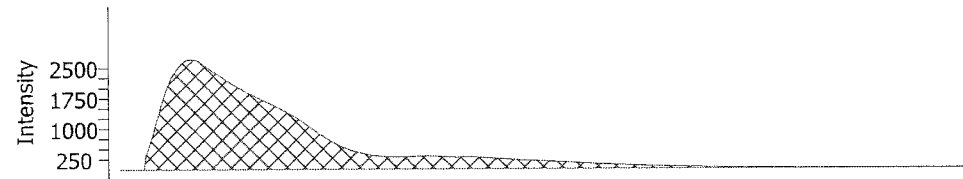
Carbon %
2.779



32803-A-7

Name	Description	Mass	Method
32803-A-7		0.2197	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:27:47 PM		E10	

Carbon %
2.882

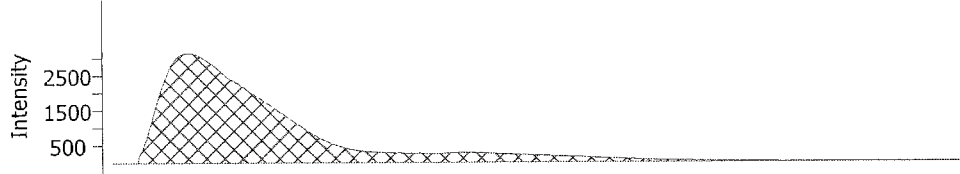


SC632

32803-A-7 dup

Name	Description	Mass	Method
32803-A-7 dup		0.2197	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:29:59 PM		A01	

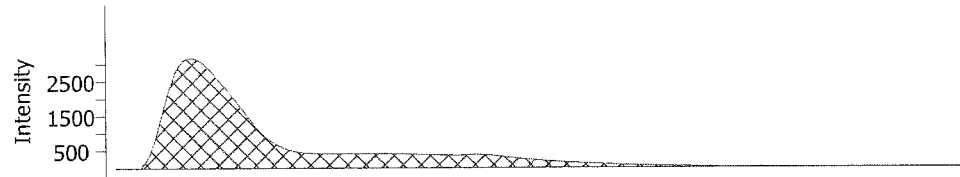
Carbon %
3.123



32803-A-7 dup

Name	Description	Mass	Method
32803-A-7 dup		0.2046	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:32:10 PM		A02	

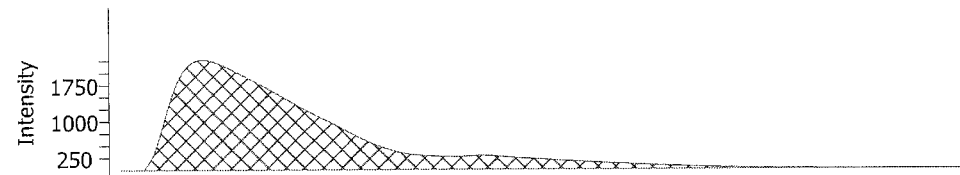
Carbon %
2.858



32803-A-7 trip

Name	Description	Mass	Method
32803-A-7 trip		0.2291	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:34:21 PM		A03	

Carbon %
2.671

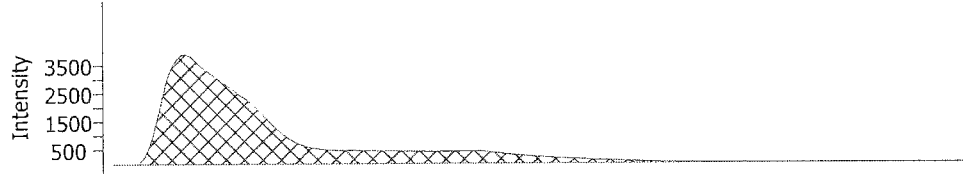


SC632

32803-A-7 trip

Name	Description	Mass	Method
32803-A-7 trip		0.2213	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:36:32 PM	A04		

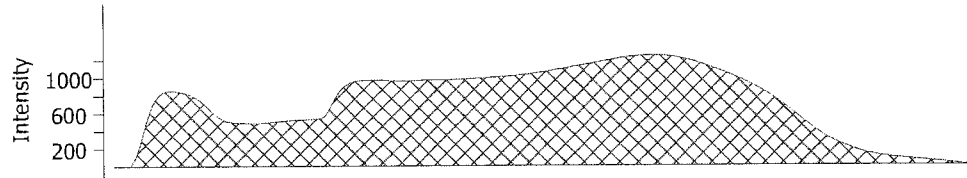
Carbon %
3.384



32803-A-7 ms

Name	Description	Mass	Method
32803-A-7 ms	0.1032	0.1097	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:39:06 PM	A05		

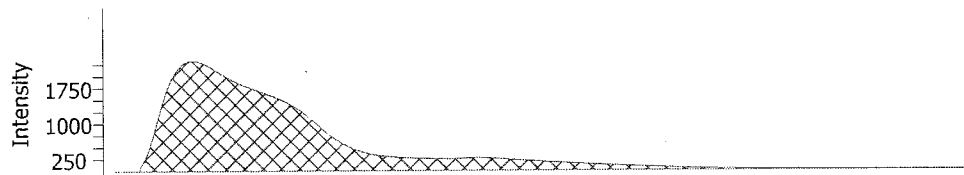
Carbon %
13.94



32803-A-10

Name	Description	Mass	Method
32803-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 1:41:17 PM	A06		

Carbon %
2.877

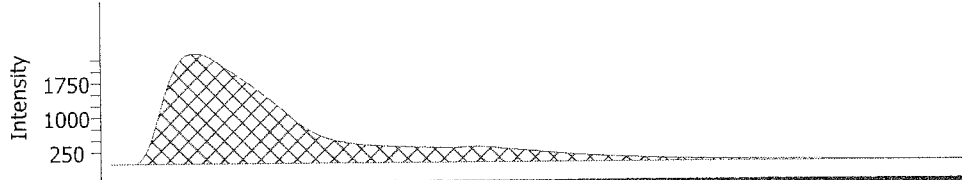


SC632

32803-A-10

Name	Description	Mass	Method
32803-A-10		0.1952	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:43:28 PM		A07	

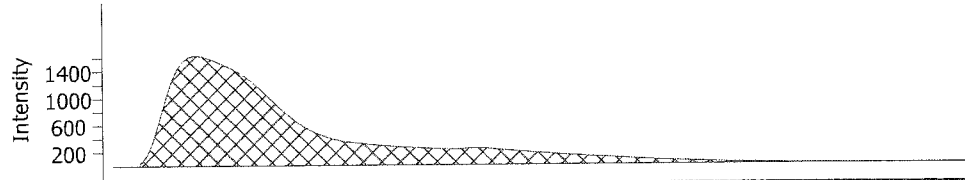
Carbon %
2.955



32803-A-15

Name	Description	Mass	Method
32803-A-15		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:45:24 PM		A08	

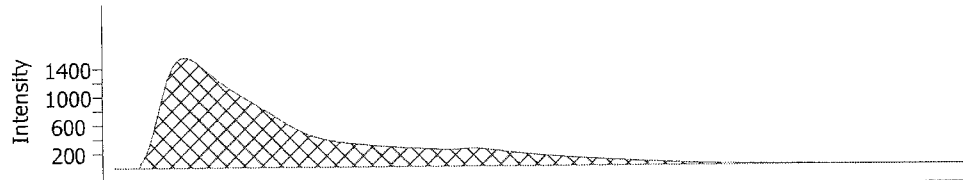
Carbon %
1.911



32803-A-15

Name	Description	Mass	Method
32803-A-15		0.1985	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:47:35 PM		A09	

Carbon %
1.854

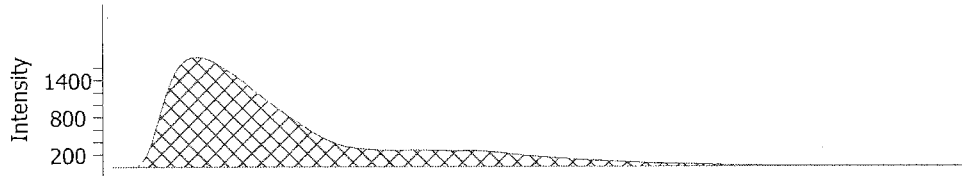


SC632

32803-A-16

Name	Description	Mass	Method
32803-A-16		0.2041	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:49:46 PM		A10	

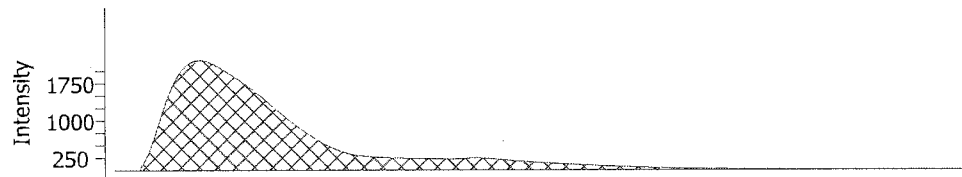
Carbon %
2.115



32803-A-16

Name	Description	Mass	Method
32803-A-16		0.1951	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:51:57 PM		B01	

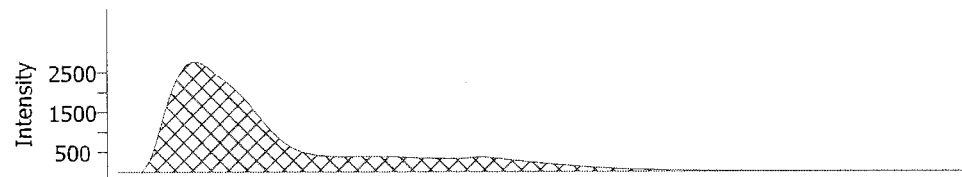
Carbon %
2.597



32803-A-17

Name	Description	Mass	Method
32803-A-17		0.2069	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:54:08 PM		B02	

Carbon %
2.713

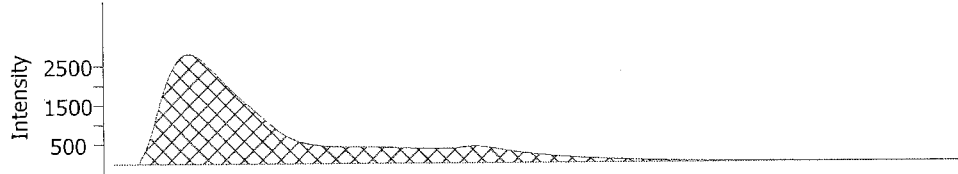


SC632

32803-A-17

Name	Description	Mass	Method
32803-A-17		0.2061	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:56:04 PM		B03	

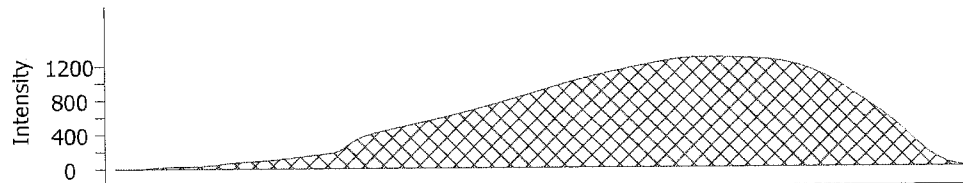
Carbon %
2.813



CCV

Name	Description	Mass	Method
CCV		0.1061	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 1:58:49 PM		B04	

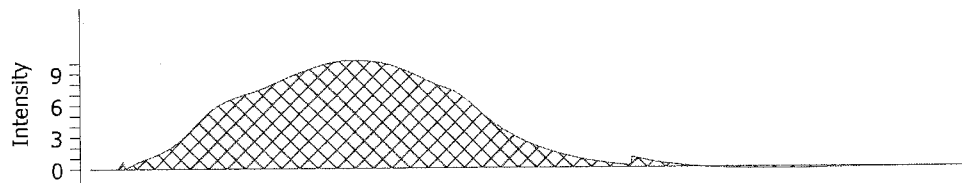
Carbon %
12.11



CCB

Name	Description	Mass	Method
CCB		0.1975	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:01:00 PM		B05	

Carbon %
-0.01540

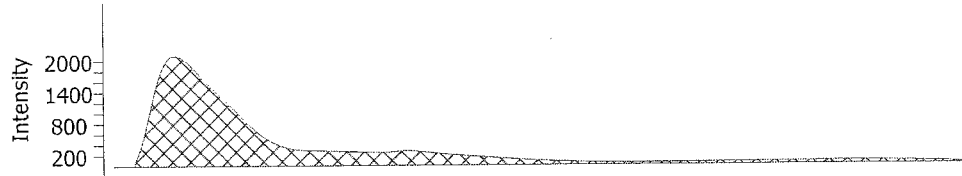


SC632

32803-A-18

Name	Description	Mass	Method
32803-A-18		0.1881	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:03:12 PM		B06	

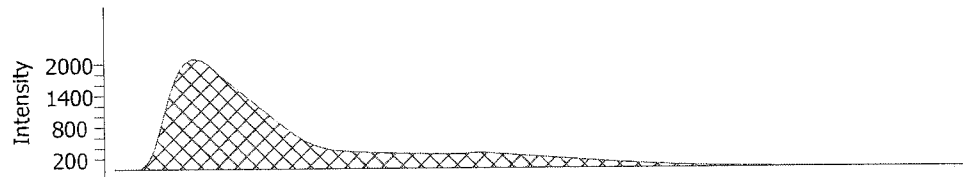
Carbon %
2.607



32803-A-18

Name	Description	Mass	Method
32803-A-18		0.1959	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:05:24 PM		B07	

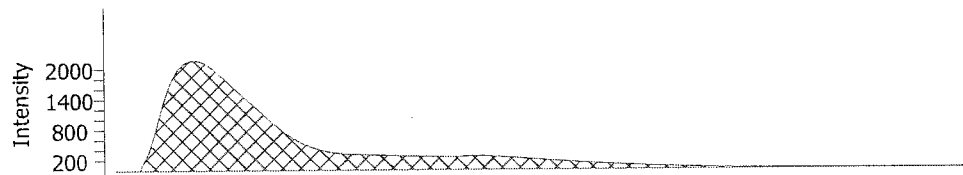
Carbon %
2.353



32803-A-19

Name	Description	Mass	Method
32803-A-19		0.2104	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:07:35 PM		B08	

Carbon %
2.249

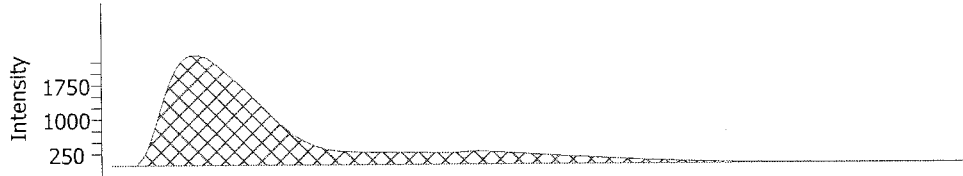


SC632

32803-A-19

Name	Description	Mass	Method
32803-A-19		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:09:46 PM		B09	

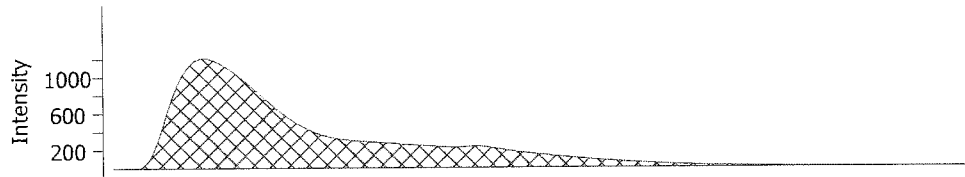
Carbon %
2.357



32803-A-20

Name	Description	Mass	Method
32803-A-20		0.1950	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:11:57 PM		B10	

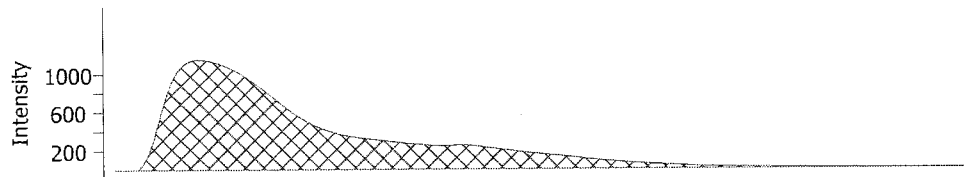
Carbon %
1.580



32803-A-20

Name	Description	Mass	Method
32803-A-20		0.2142	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:13:54 PM		C01	

Carbon %
1.545

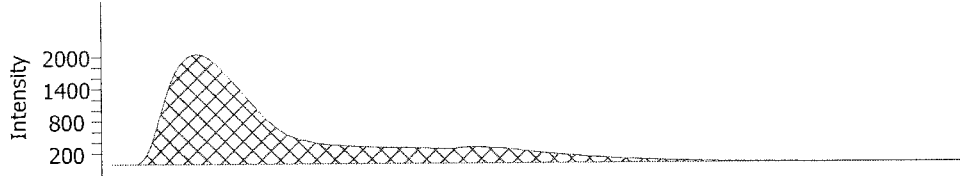


SC632

32803-A-21

Name	Description	Mass	Method
32803-A-21		0.2035	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:16:07 PM		C02	

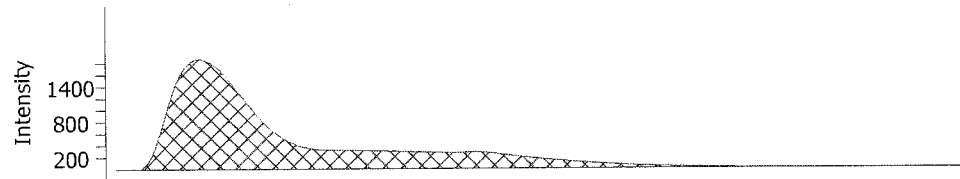
Carbon %
2.132



32803-A-21

Name	Description	Mass	Method
32803-A-21		0.1974	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:18:18 PM		C03	

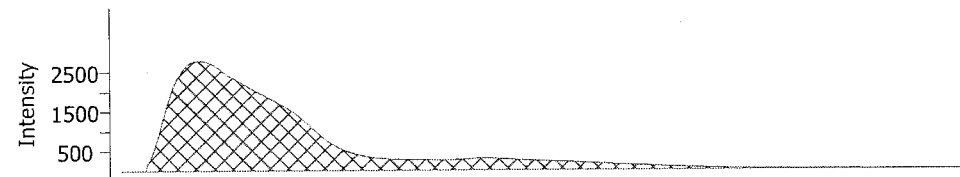
Carbon %
1.949



32803-A-26

Name	Description	Mass	Method
32803-A-26		0.2125	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:20:17 PM		C04	

Carbon %
3.122

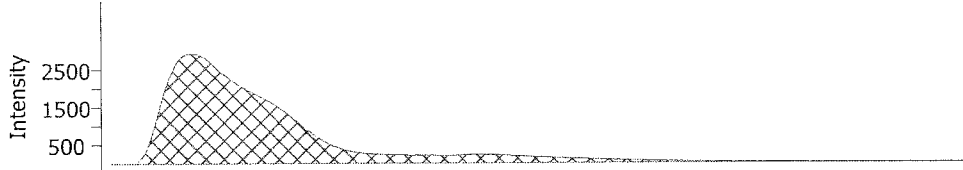


SC632

32803-A-26

Name	Description	Mass	Method
32803-A-26		0.1979	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:22:29 PM		C05	

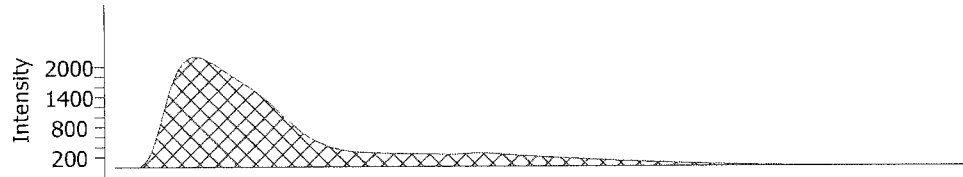
Carbon %
3.122



32803-A-30

Name	Description	Mass	Method
32803-A-30		0.1943	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:24:40 PM		C06	

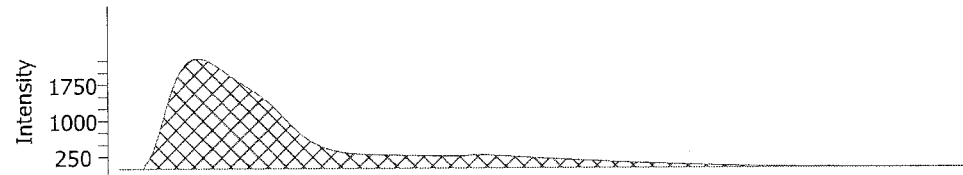
Carbon %
2.557



32803-A-30

Name	Description	Mass	Method
32803-A-30		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:26:51 PM		C07	

Carbon %
2.512

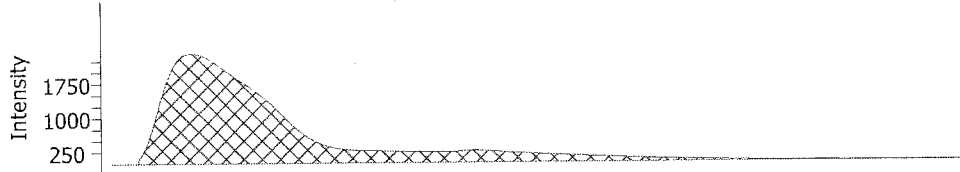


SC632

32803-A-36

Name	Description	Mass	Method
32803-A-36		0.1978	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:29:02 PM	C08		

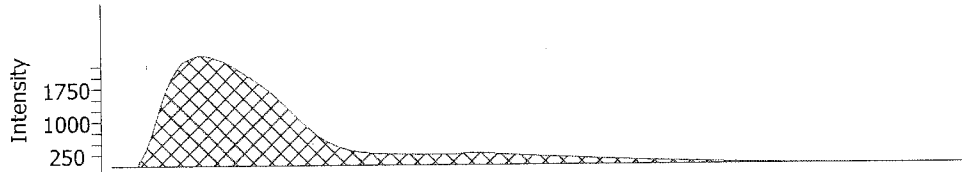
Carbon %
2.706



32803-A-36

Name	Description	Mass	Method
32803-A-36		0.2091	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:30:58 PM	C09		

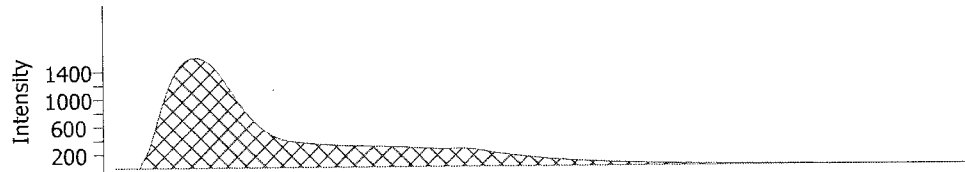
Carbon %
2.884



32803-A-41

Name	Description	Mass	Method
32803-A-41		0.2051	TA SOIL LINNEAR
Analysis Date	Location		
6/8/2012 2:33:09 PM	C10		

Carbon %
1.643

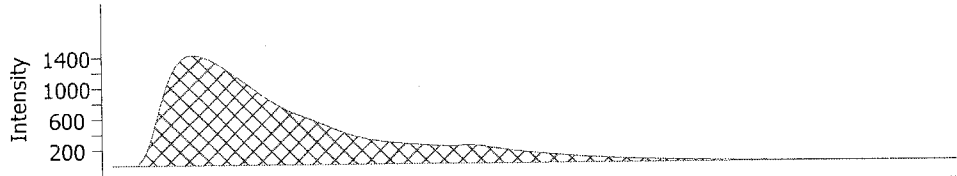


SC632

32803-A-41

Name	Description	Mass	Method
32803-A-41		0.2132	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:35:20 PM		D01	

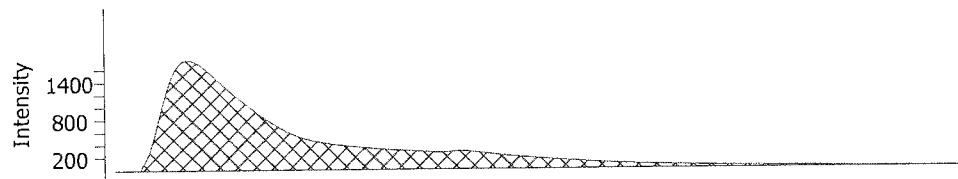
Carbon %
1.725



32803-A-42

Name	Description	Mass	Method
32803-A-42		0.2058	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:37:19 PM		D02	

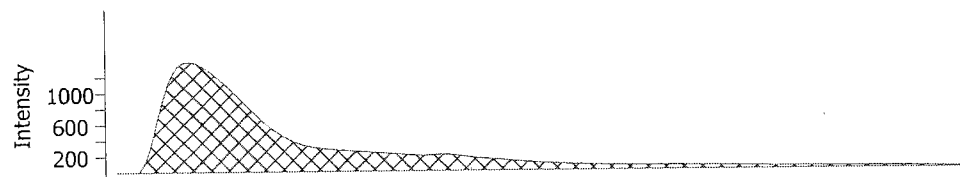
Carbon %
1.960



32803-A-42

Name	Description	Mass	Method
32803-A-42		0.1876	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:39:30 PM		D03	

Carbon %
1.846

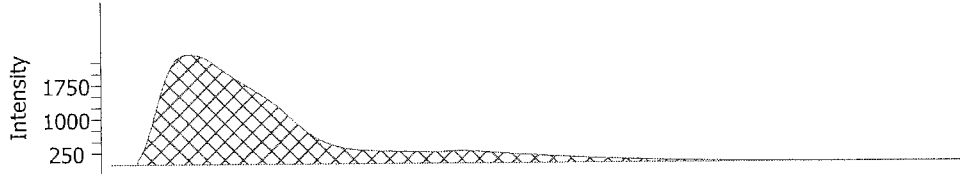


SC632

32803-A-43

Name	Description	Mass	Method
32803-A-43		0.2030	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:41:41 PM		D04	

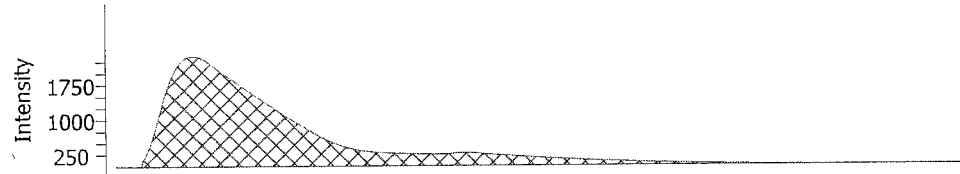
Carbon %
2.720



32803-A-43

Name	Description	Mass	Method
32803-A-43		0.1965	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:43:53 PM		D05	

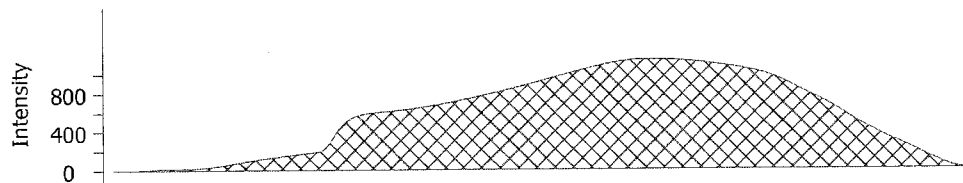
Carbon %
2.709



CCV

Name	Description	Mass	Method
CCV		0.1023	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:46:31 PM		D06	

Carbon %
12.03

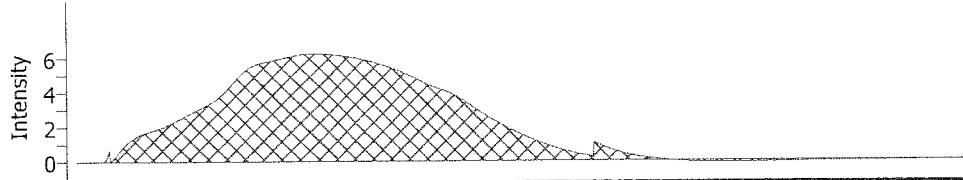


SC632

CCB

Name	Description	Mass	Method
CCB		0.2175	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:48:42 PM		D07	

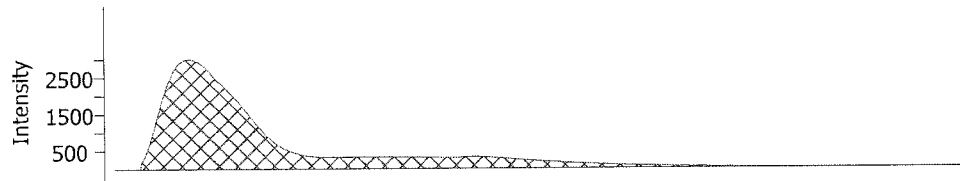
Carbon %
-0.02113



32803-A-44

Name	Description	Mass	Method
32803-A-44		0.1910	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:50:53 PM		D08	

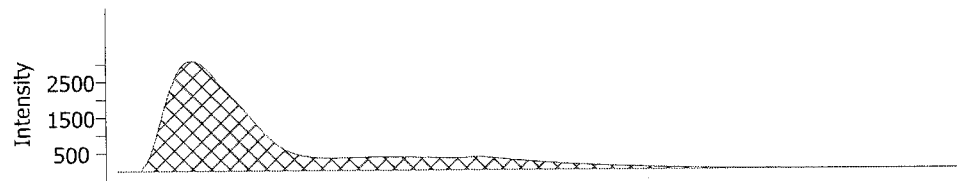
Carbon %
2.904



32803-A-44

Name	Description	Mass	Method
32803-A-44		0.1978	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:53:04 PM		D09	

Carbon %
2.897

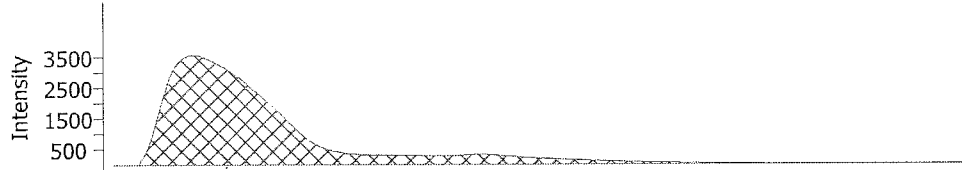


SC632

32803-A-45

Name	Description	Mass	Method
32803-A-45		0.1965	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:55:15 PM		D10	

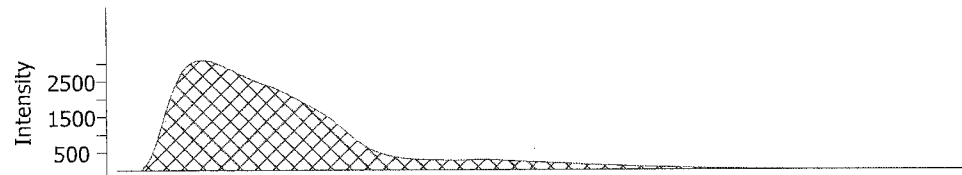
Carbon %
3.847



32803-A-45

Name	Description	Mass	Method
32803-A-45		0.2044	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:57:26 PM		E01	

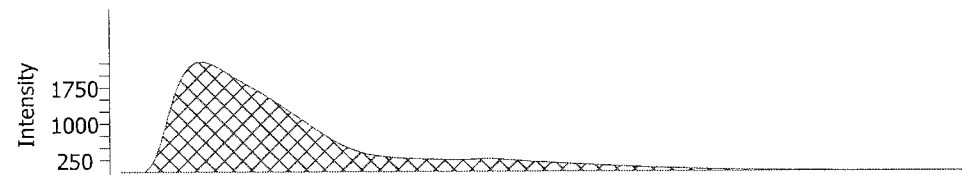
Carbon %
3.993



32803-A-46

Name	Description	Mass	Method
32803-A-46		0.2008	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 2:59:37 PM		E02	

Carbon %
2.742

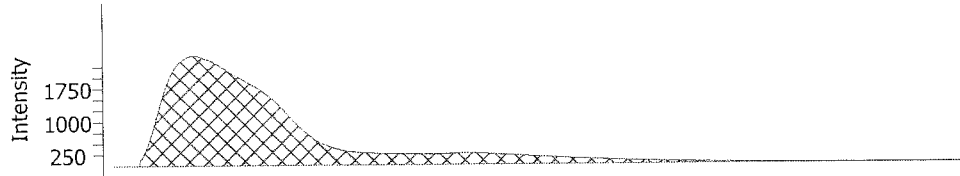


SC632

32803-A-46

Name	Description	Mass	Method
32803-A-46		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:01:49 PM		E03	

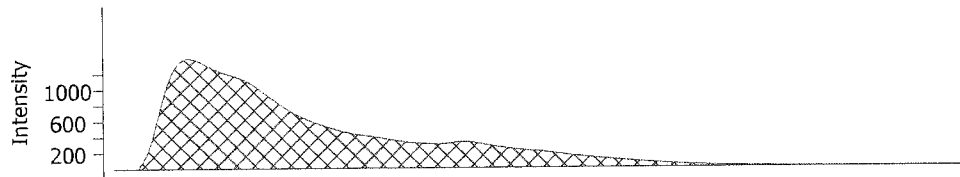
Carbon %
2.810



32803-A-53

Name	Description	Mass	Method
32803-A-53		0.2177	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:03:44 PM		E04	

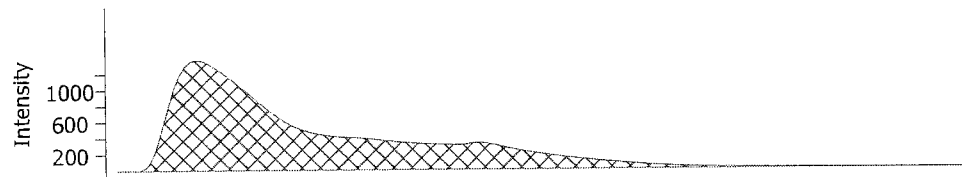
Carbon %
1.858



32803-A-53

Name	Description	Mass	Method
32803-A-53		0.2132	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:05:55 PM		E05	

Carbon %
1.705

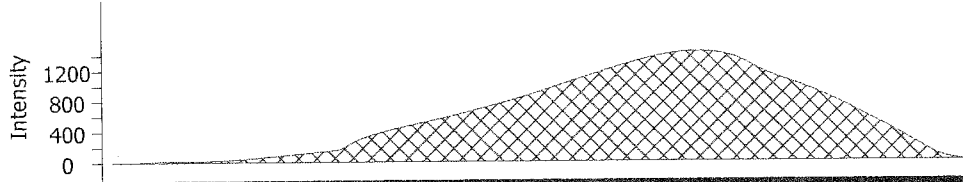


SC632

CCV

Name	Description	Mass	Method
CCV		0.1021	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:08:31 PM		E06	

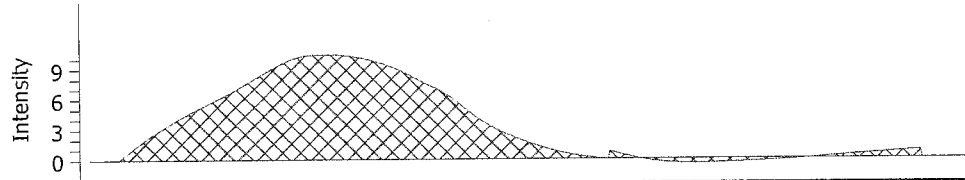
Carbon %
12.06



CCB

Name	Description	Mass	Method
CCB		0.1829	TA SOIL LINNEAR
Analysis Date		Location	
6/8/2012 3:10:42 PM		E07	

Carbon %
-0.01684



Element	Average	Std. Deviation	RSD	Count
Mass	0.1958	0.03	14.31	53
Carbon %	3.185	3.1567	99.11	53

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.0981	0.1065 TA SOIL LINNEAR	6/11/2012 8:05:53 PM	13.98	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

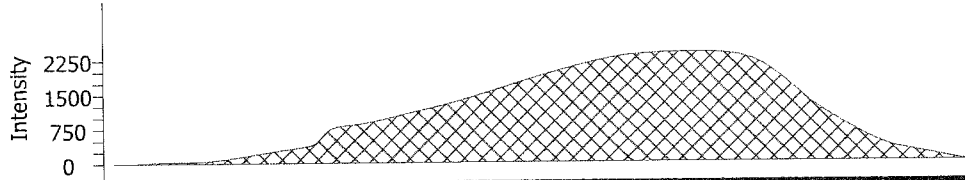
Element	Average	Std. Deviation	RSD	Count
Mass	0.1598	0.05	31.37	7
Carbon %	7.163	6.7278	93.93	7

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:05:00 PM	E08		

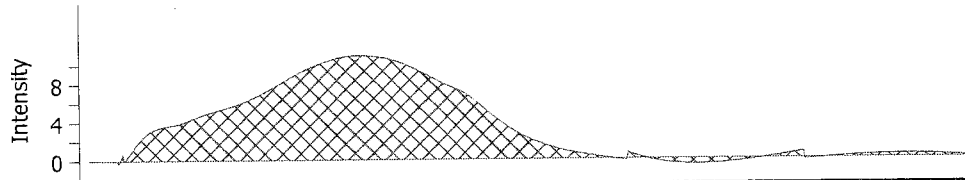
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:07:13 PM	E09		

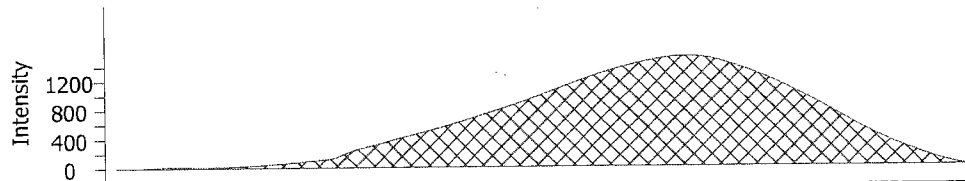
Carbon %
-0.01494



CCV

Name	Description	Mass	Method
CCV		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

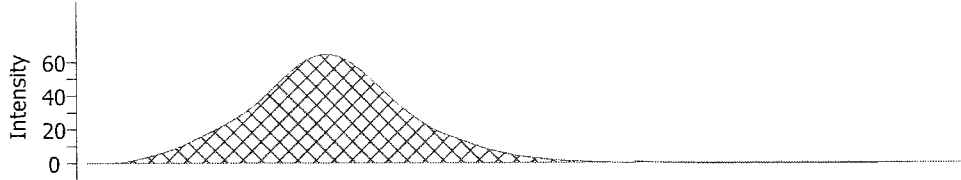


SC632

CCB

Name	Description	Mass	Method
CCB		0.2045	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:35:47 PM	D08		

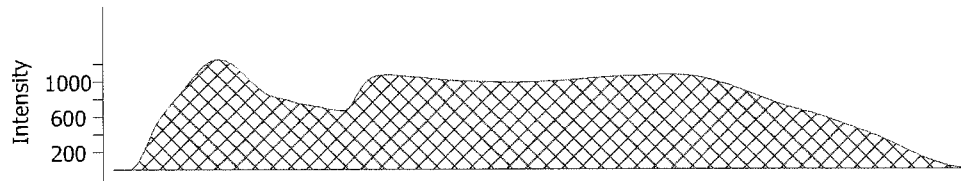
Carbon %
0.04832



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.0981	0.1065	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:05:53 PM	A01		

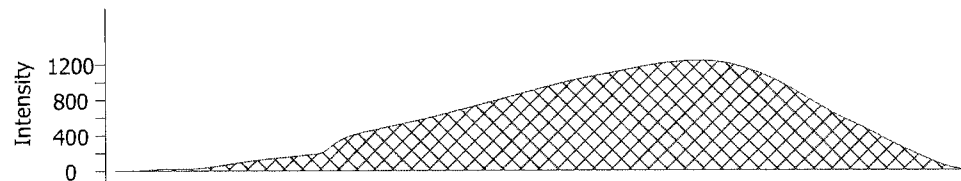
Carbon %
13.98



CCV

Name	Description	Mass	Method
CCV		0.1065	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:10:44 PM	A02		

Carbon %
12.17

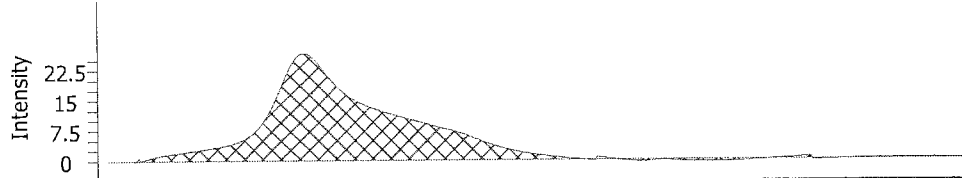


SC632

CCB

Name	Description	Mass	Method
CCB		0.1942	TA SOIL LINEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



Element	Average	Std. Deviation	RSD	Count
Mass	0.1598	0.05	31.37	7
Carbon %	7.163	6.7278	93.93	7

SC632

TA SOIL LINNEAR Calibration - Read Only

CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$$y = +1.12453x - 0.00721171$$

Date: 6/2/2012 10:08:33 AM

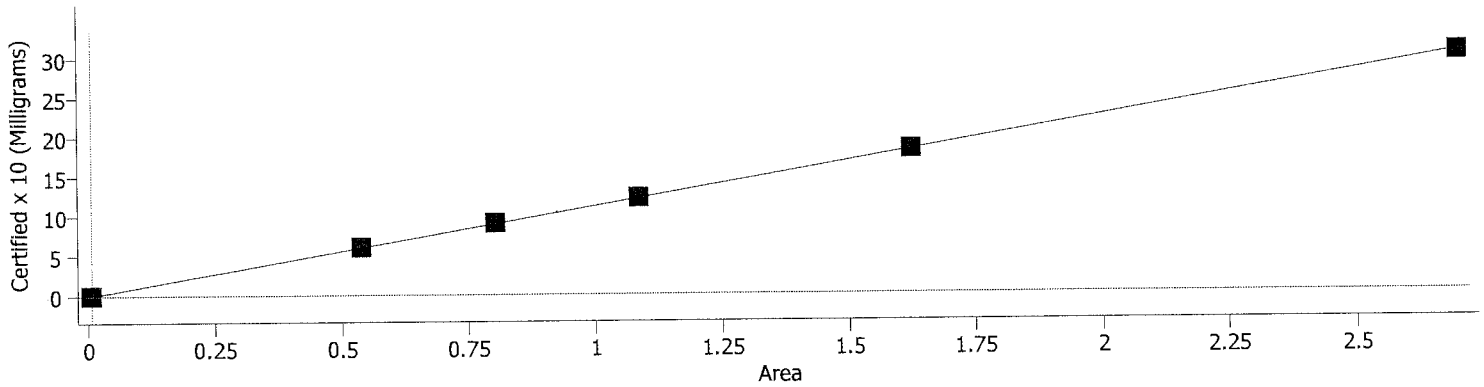
New Calibration:

$$y = +1.12453x - 0.00721171$$

Curve Type: Linear

Weighting: 1 / Certified

RMS Error: 0.00010686



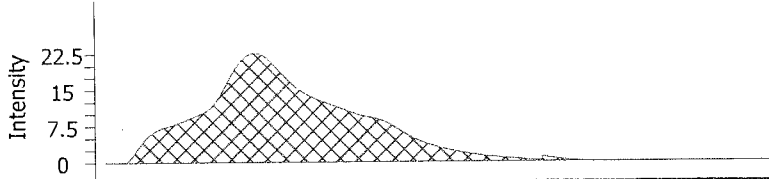
Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.000000	0.000000	100.00	100.00	22.599	0.006413	12.5000E+	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

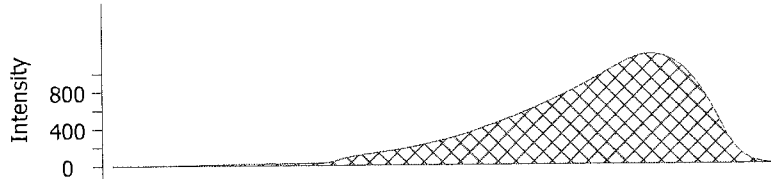
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

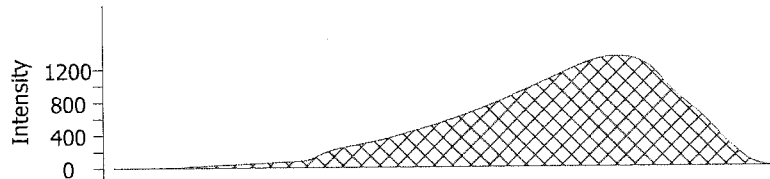
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

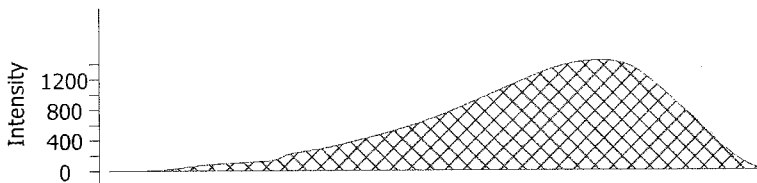


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

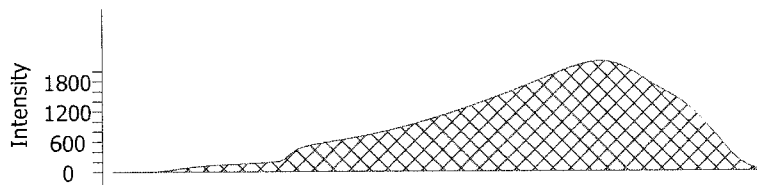
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

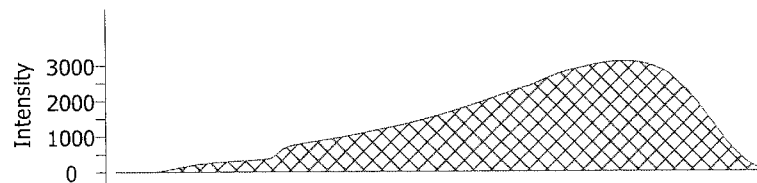
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

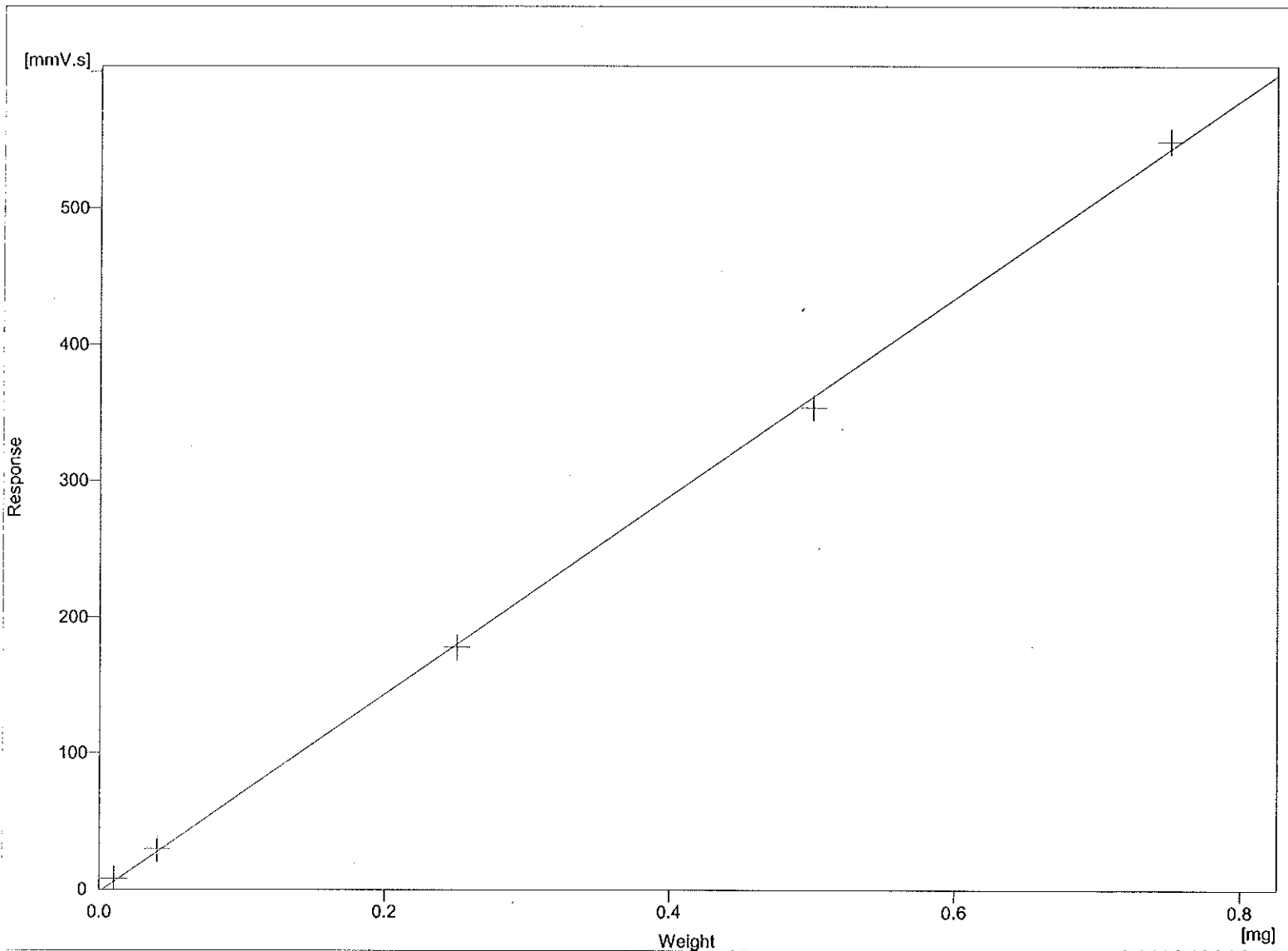


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

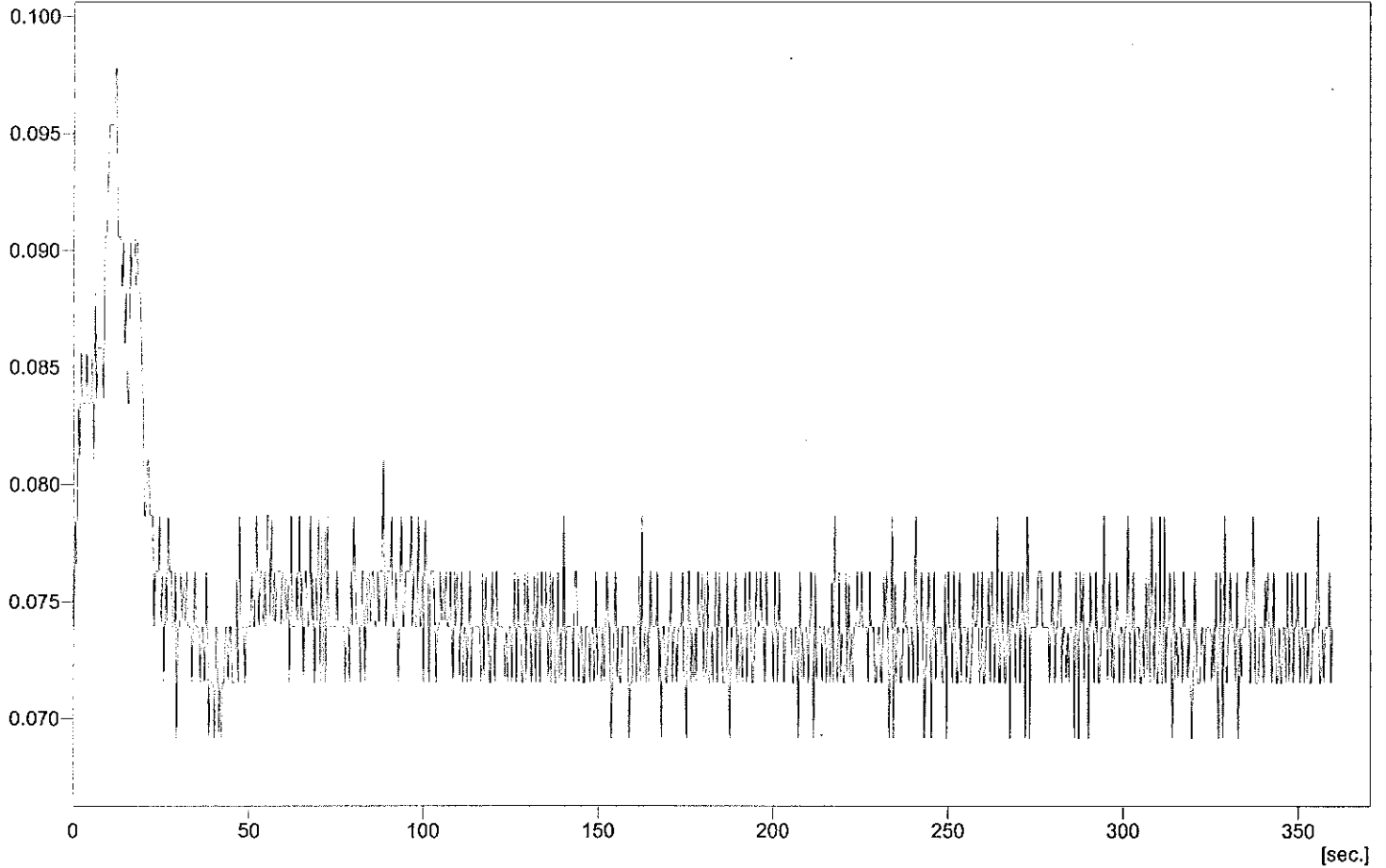
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:01:09 PM
 Project : WORK2
 Weight : 0 mg
 Sample : STD1
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z001

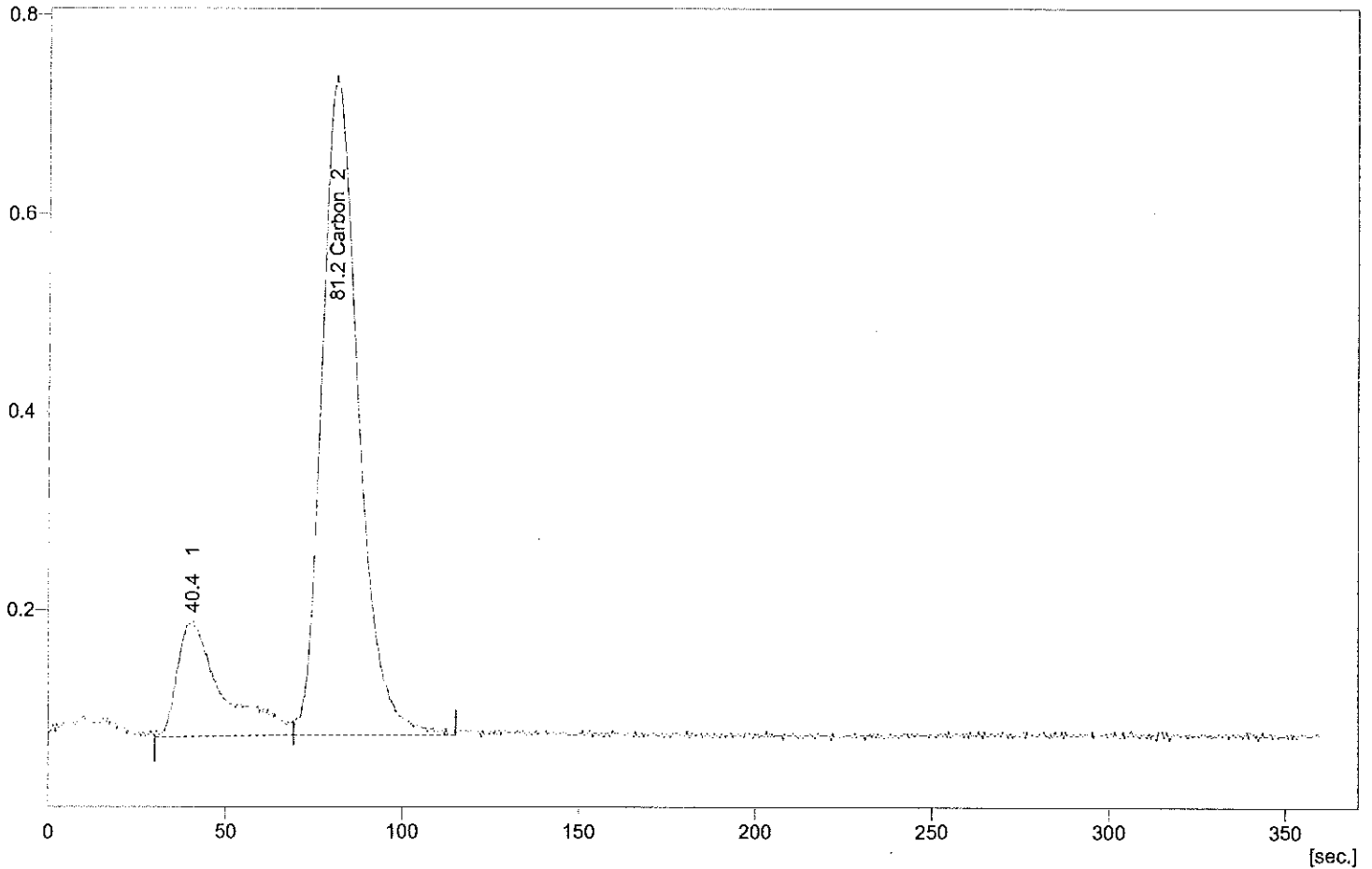


Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:07:46 PM By : None
 Project : WORK2 Style : Channel2
 Weight : 0.0213 mg
 Sample : STD2 Chromatogram : 052512Z002
 Calibration : 052512Z



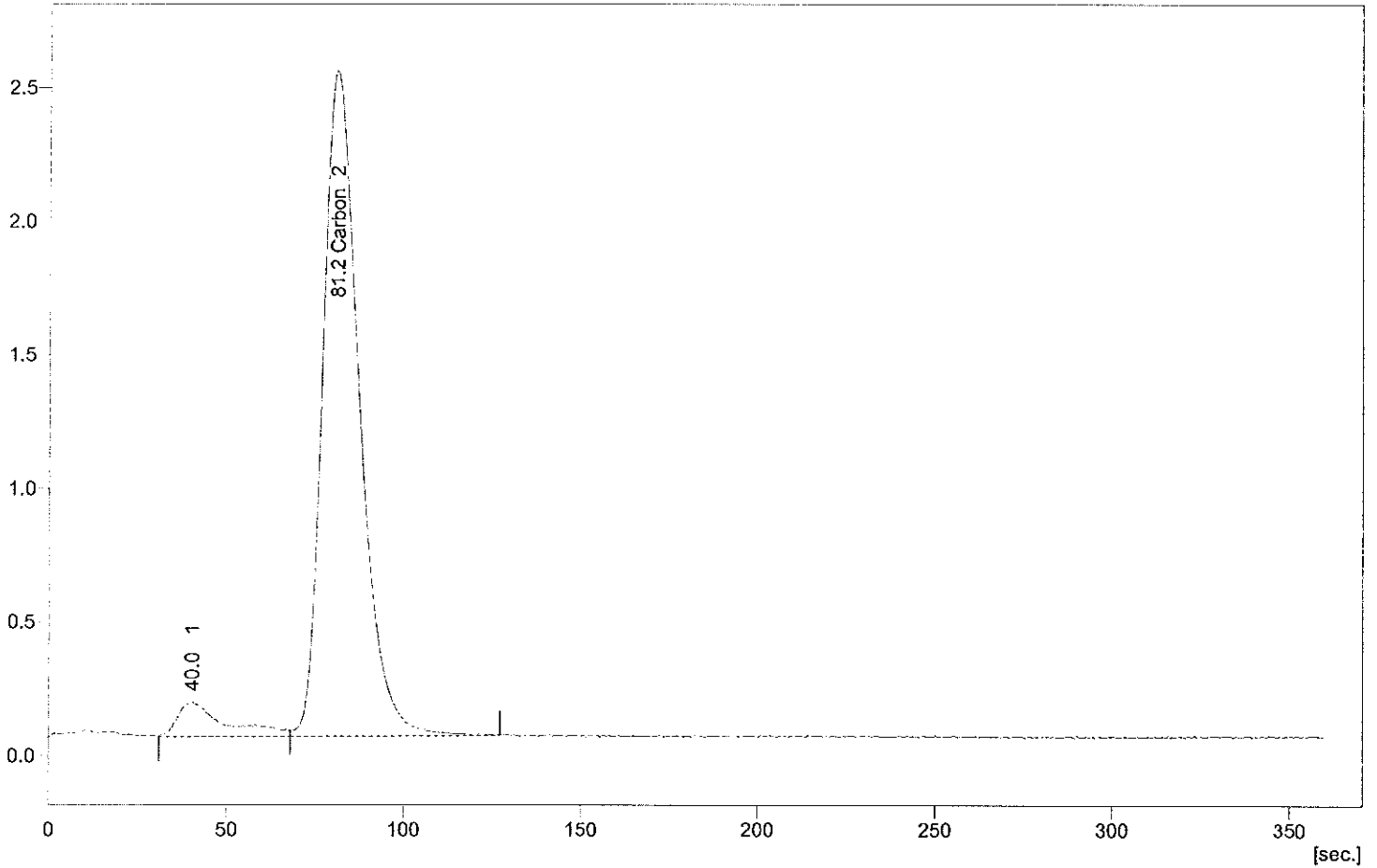
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



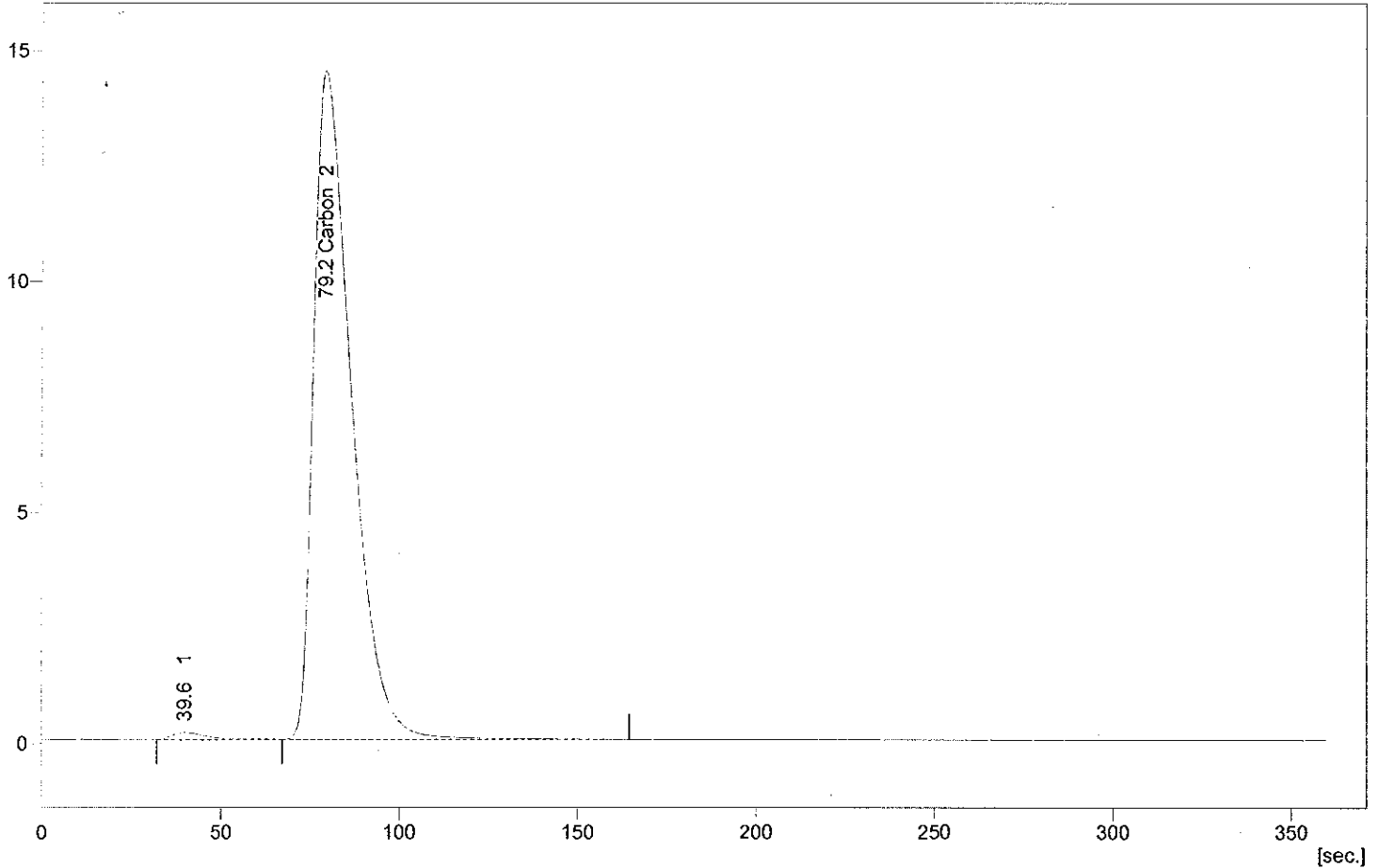
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	29.804	93.7	0.040	47.0500	1.0000	Refer
	Total	31.796	100.0	0.085	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:21:01 PM
 Project : WORK2
 Weight : 0.532 mg
 Sample : STD4
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z004



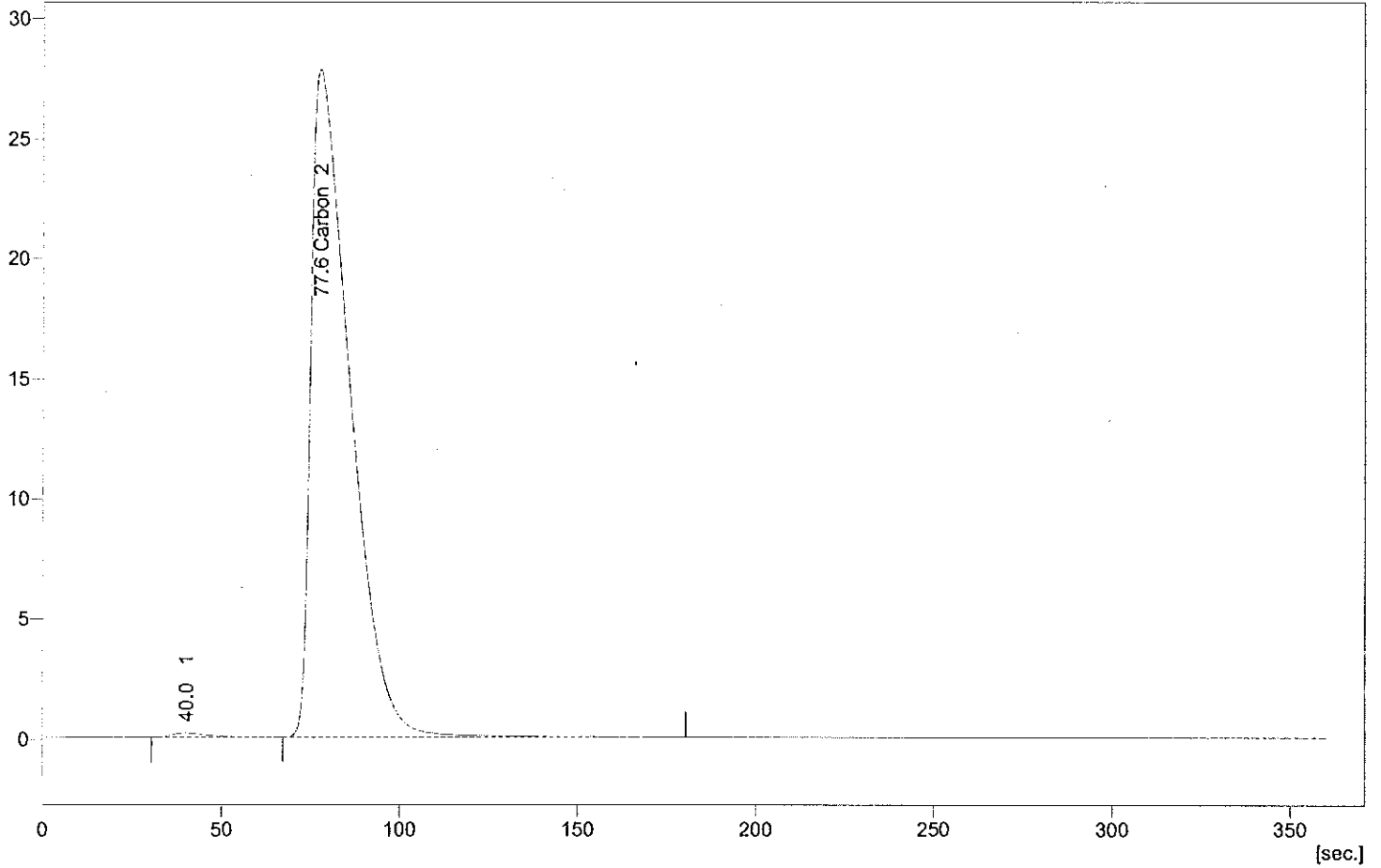
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:27:48 PM
 Project : WORK2
 Weight : 1.064 mg
 Sample : STD5
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z005



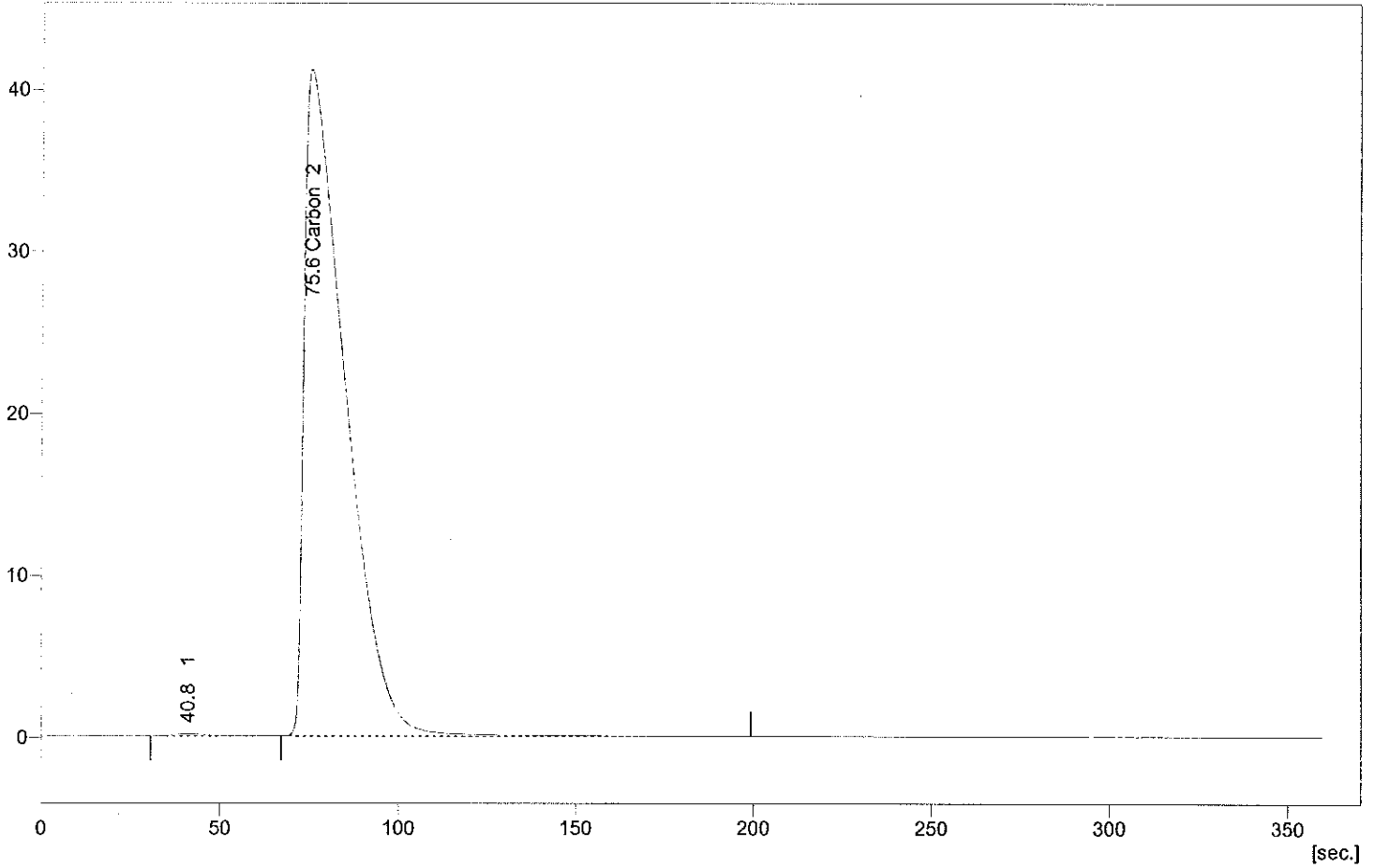
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12	Start Time: 1452	Instrument ID: Ch-2 → 052912C
Analyst: AWI	Stop Time: 2027	Oven ID: NA
TALS Batch: 39474		

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount μL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL01-0002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL01-0002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL1-0006	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle)
 Lloyd Khan LK Modified Black Carbon Particulate Organic Carbon (POC) Marine Sediments(301H)

SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.522	580-32803-A-30	NA	NA	9.517	29
2	Blank			10	"			9.975	30
3	MR			10	580-32803-A-36			9.315	31
4	MB			10	"			9.984	32
5	LCS			9.702	580-32803-A-41			10.024	33
6	LCS			9.270	"			10.263	34
7	580-32803-A-7			9.915	580-32803-A-42			9.481	35
8	"			9.965	"			9.257	36
9	580-32803-A-10			9.565	580-32803-A-43			9.567	37
10	"			10.248	"			10.256	38
11	580-32803-A-15			10.323	580-32803-A-44			9.956	39
12	"			10.378	"			9.336	40
13	580-32803-A-16			9.725	580-32803-A-45			9.770	41
14	"			9.618	"			9.350	42
15	580-32803-A-17			10.103	580-32803-A-46			9.806	43
16	"			9.921	"			10.025	44
17	580-32803-A-18			9.959	Acetanilide			0.460	45
18	"			9.645	Blank			10	46
19	580-32803-A-19			9.672	580-32803-A-53			9.787	47
20	"			10.054	"			9.858	48
21	580-32803-A-20			10.083	Acetanilide			0.544	49
22	"			10.031	Blank			10	50
23	Acetanilide		NA	8.462					51
24	Blank			10					52
25	580-32803-A-21			9.738					53
26	"			10.069					54
27	580-32803-A-26			10.144					55
28	"			9.280					56

STANDARD & REAGENT TRACEABILITY: WELK CAL1-0006

Potassium Hydrogen Phthalate (ICAL) Container ID: ↓	LCS Container ID: WCPCLLS-0006
Acetanilide (CCV) Container ID: WELKCCV5-0006	1:19 Phosphoric Acid Container ID: WCPA19-0026
Matrix Spike Container ID: NA	

* AWI 5/29/12

Total Organic Carbon by Lloyd Kahn

File: 052912C Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.522	ACETANILIDE	74.2463	742463.00		104%			
10	BLANK	0	0.00					
10	MB	0.0331	331.00					
10	MB	0.0364	364.00	347.50		9%		U1000
9.702	LCS	0.9486	9486.00					
9.27	LCS	1.1861	11861.00	10673.50	108%	22%		1079
9.915	580-32803-A-7	0.1869	1869.00					
9.965	580-32803-A-7	0.1711	1711.00	1790.00		9%		1009
9.565	580-32803-A-10	0.1752	1752.00					
10.248	580-32803-A-10	0.1509	1509.00	1630.50		15%		1045
10.323	580-32803-A-15	0.1204	1204.00					
10.378	580-32803-A-15	0.1195	1195.00	1199.50		1%		969
9.725	580-32803-A-16	0.1544	1544.00					
9.618	580-32803-A-16	0.1402	1402.00	1473.00		10%		1040
10.103	580-32803-A-17	0.1759	1759.00					
9.921	580-32803-A-17	0.1532	1532.00	1645.50		14%		1008
9.959	580-32803-A-18	0.1443	1443.00					
9.645	580-32803-A-18	0.1633	1633.00	1538.00		12%		1037
9.672	580-32803-A-19	0.1484	1484.00					
10.054	580-32803-A-19	0.1481	1481.00	1482.50		0%		1034
10.083	580-32803-A-20	0.1341	1341.00					
10.031	580-32803-A-20	0.1286	1286.00	1313.50		4%		997
0.462	ACETANILIDE	79.8123	798123.00		112%			
10	BLANK	0	0.00					
9.738	580-32803-A-21	0.1373	1373.00					
10.069	580-32803-A-21	0.1341	1341.00	1357.00		2%		1027
10.144	580-32803-A-26	0.1448	1448.00					
9.28	580-32803-A-26	0.1665	1665.00	1556.50		14%		1078
9.517	580-32803-A-30	0.1535	1535.00					
9.975	580-32803-A-30	0.151	1510.00	1522.50		2%		1051
9.315	580-32803-A-36	0.1661	1661.00					
9.984	580-32803-A-36	0.1636	1636.00	1648.50		2%		1074
10.024	580-32803-A-41	0.1258	1258.00					
10.263	580-32803-A-41	0.1255	1255.00	1256.50		0%		998
9.481	580-32803-A-42	0.2469	2469.00					
9.257	580-32803-A-42	0.1736	1736.00	2102.50		35%		1080
9.567	580-32803-A-43	0.1736	1736.00					
10.256	580-32803-A-43	0.1705	1705.00	1720.50		2%		1045
9.956	580-32803-A-44	0.1892	1892.00					
9.336	580-32803-A-44	0.1928	1928.00	1910.00		2%		1071
9.77	580-32803-A-45	0.1808	1808.00					
9.35	580-32803-A-45	0.2008	2008.00	1908.00		10%		1070
9.806	580-32803-A-46	0.1705	1705.00					
10.025	580-32803-A-46	0.1756	1756.00	1730.50		3%		1020
0.46	ACETANILIDE	76.2369	762369.00		107%			
10	BLANK	0	0.00					

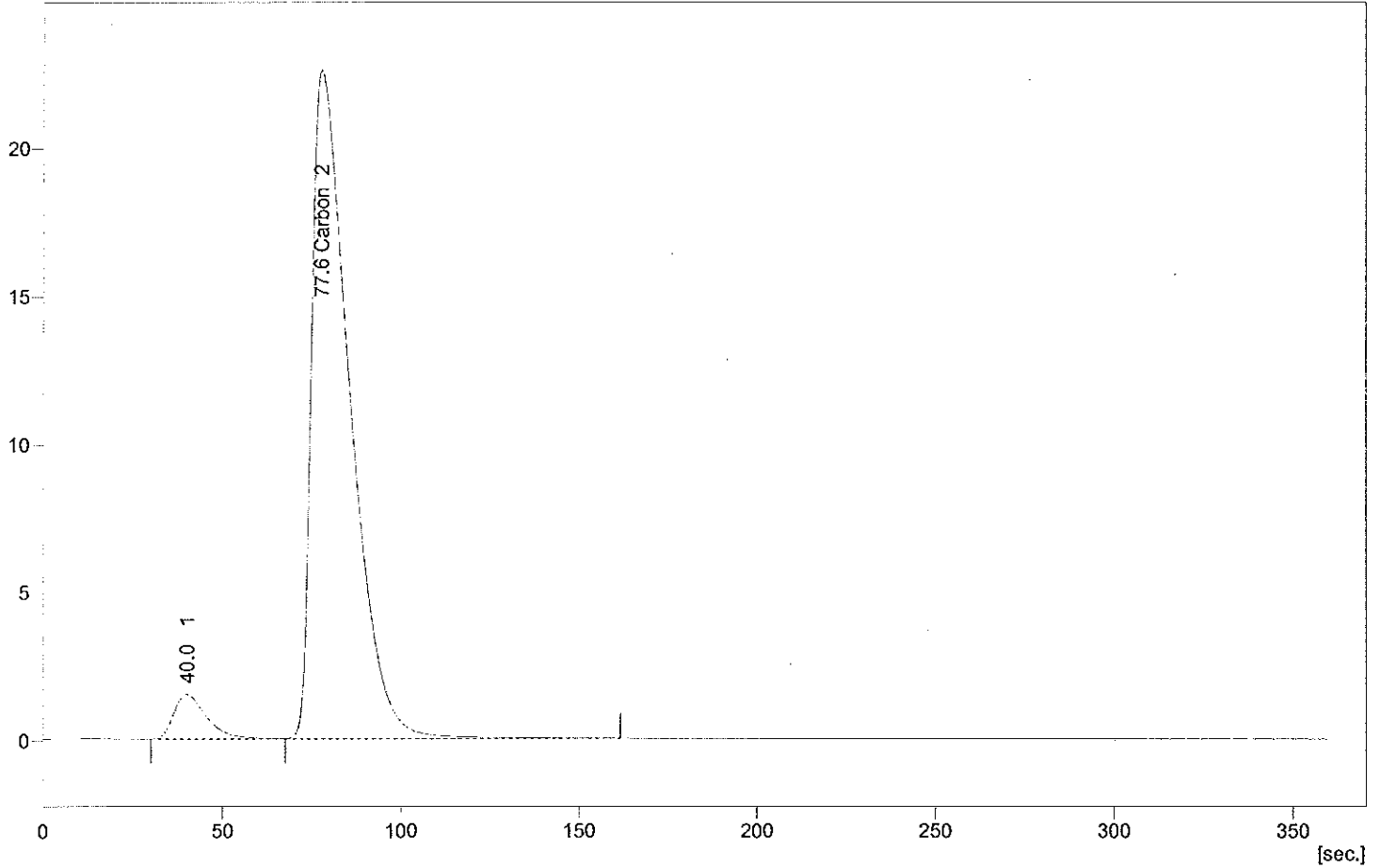
**Total Organic Carbon
by Lloyd Kahn**

9.787	580-32803-A-53	0.1377	1377.00				
9.858	580-32803-A-53	0.1371	1371.00	1374.00		0%	1022
0.544	ACETANILIDE	69.0488	690488.00		97%		
10	BLANK	0	0.00				

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 2:52:48 PM
 Project : WORK2
 Weight : 0.522 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C001



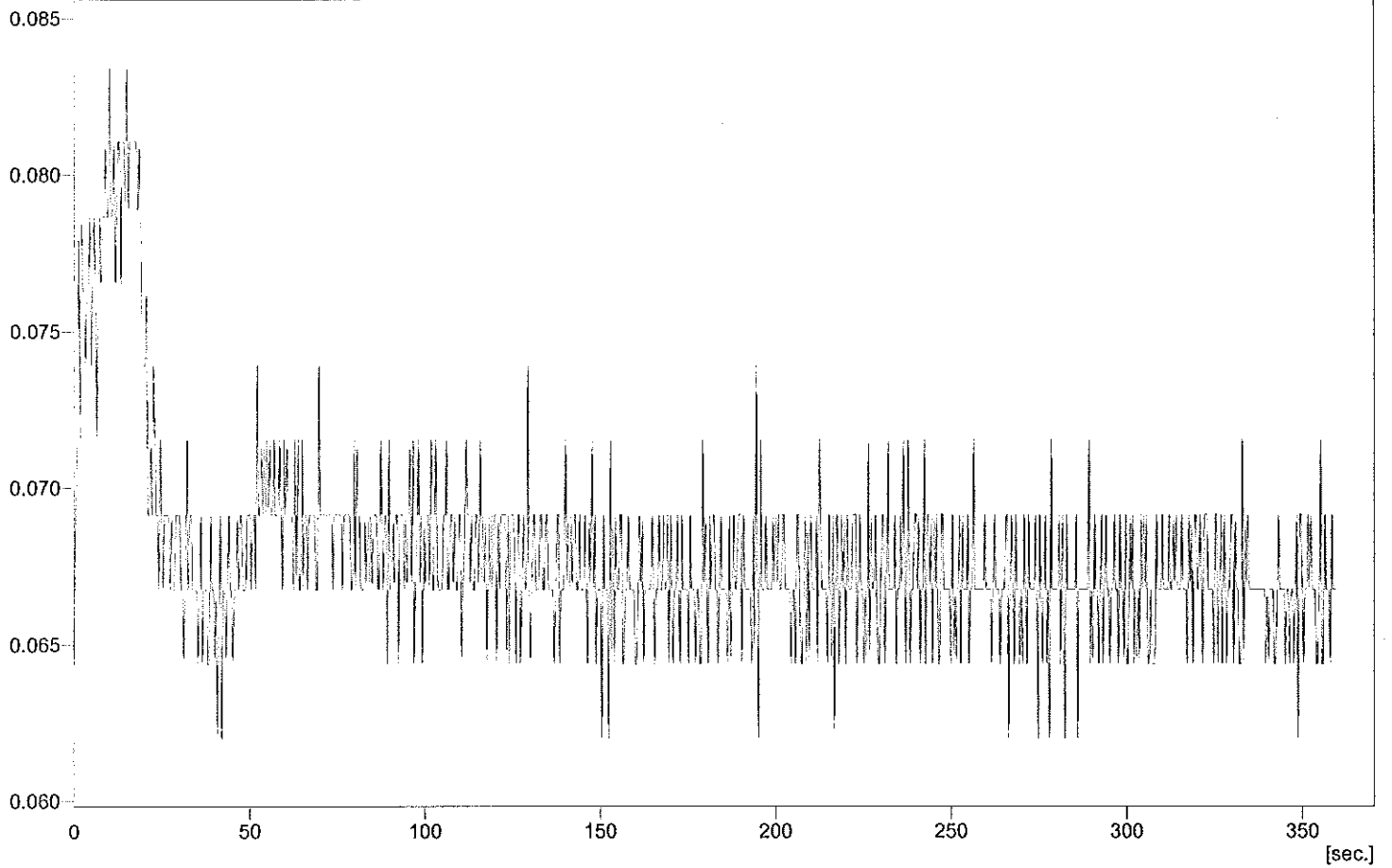
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.785	94.6	0.388	74.2463	1.0000	Refer
	Total	295.723	100.0	0.522	74.2463		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 2:59:26 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C002



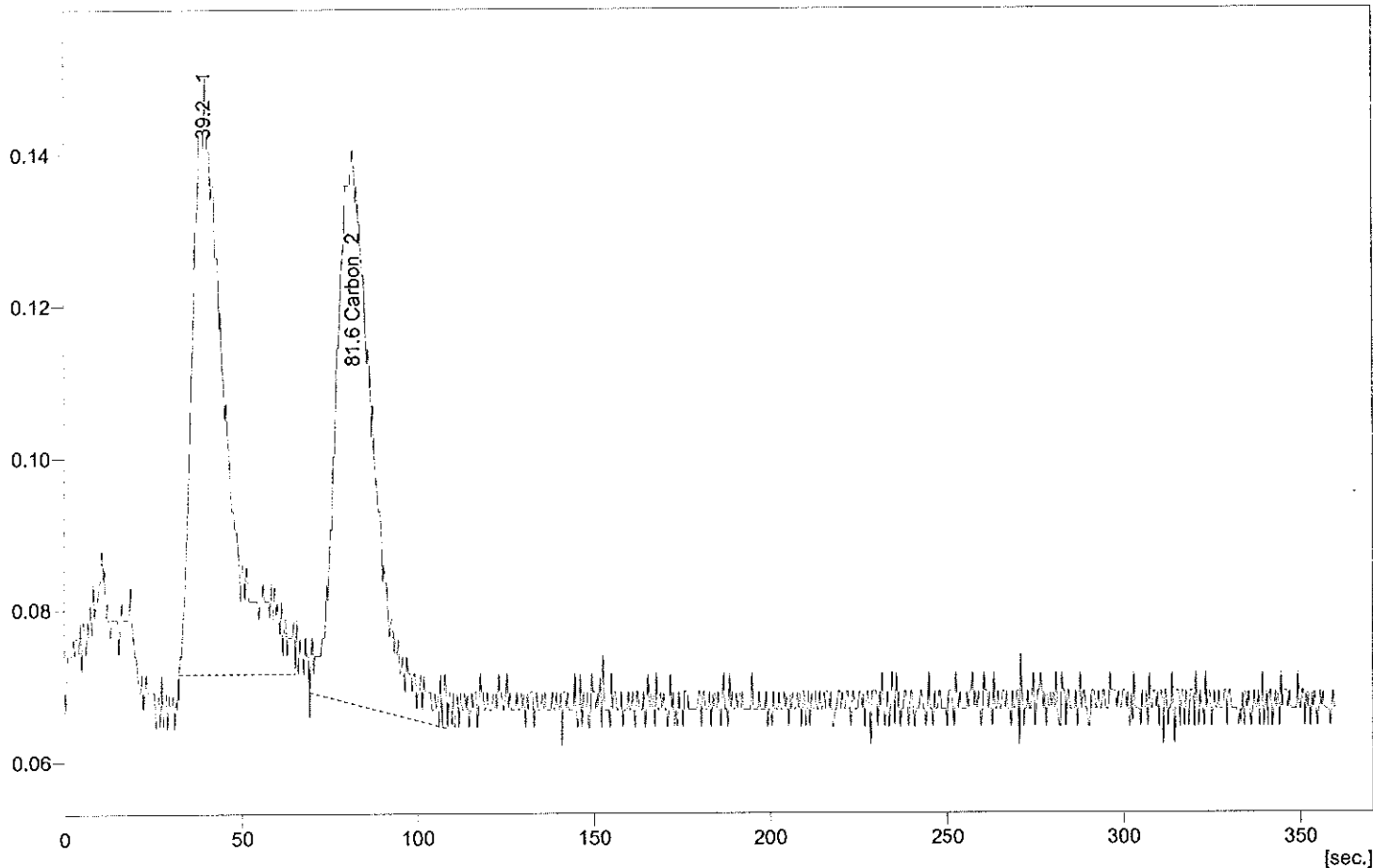
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:06:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C003



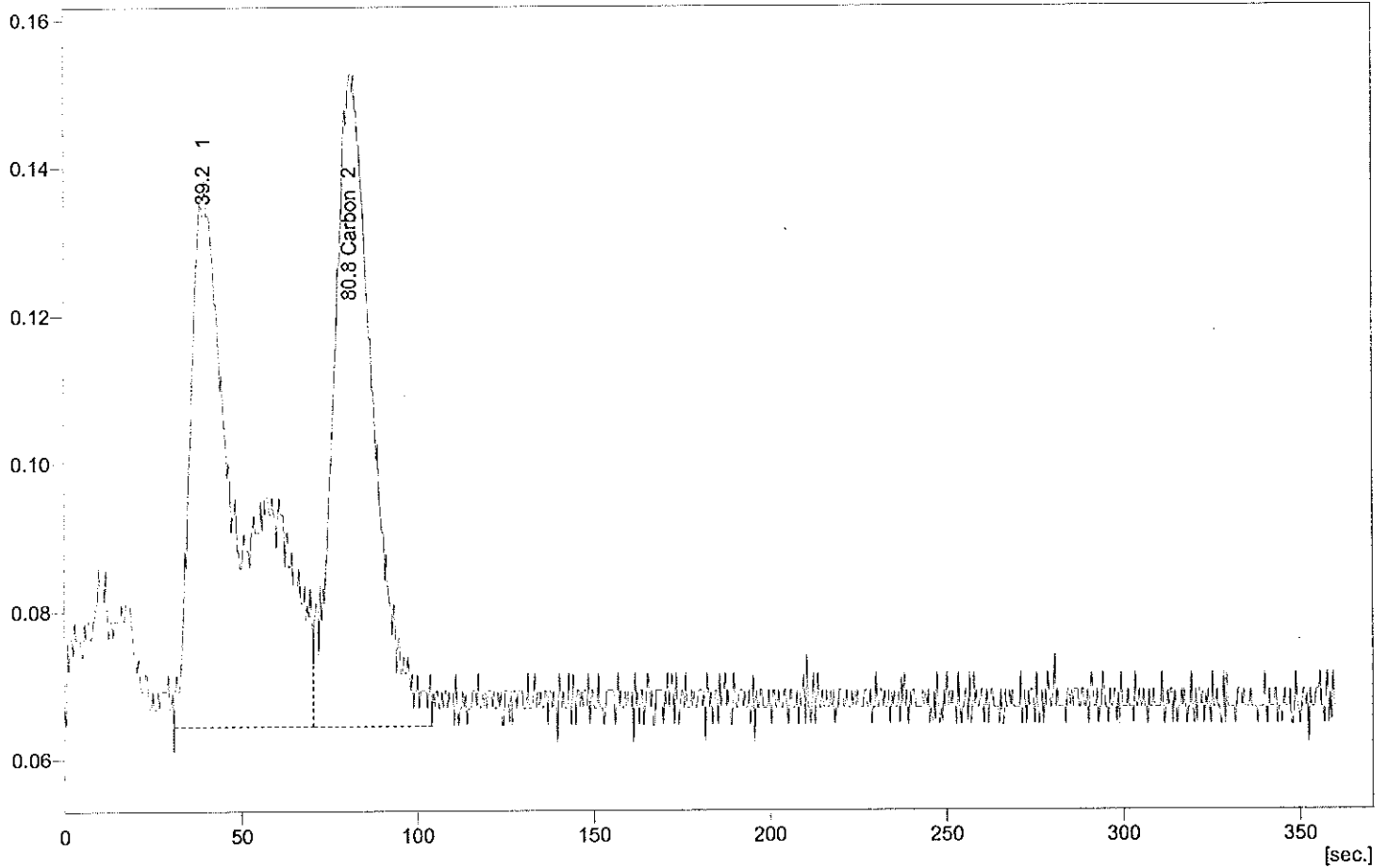
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.360	0.894	50.4	0.003	0.0331	1.0000	Refer
	Total	1.774	100.0	10.000	0.0331		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:12:37 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C004



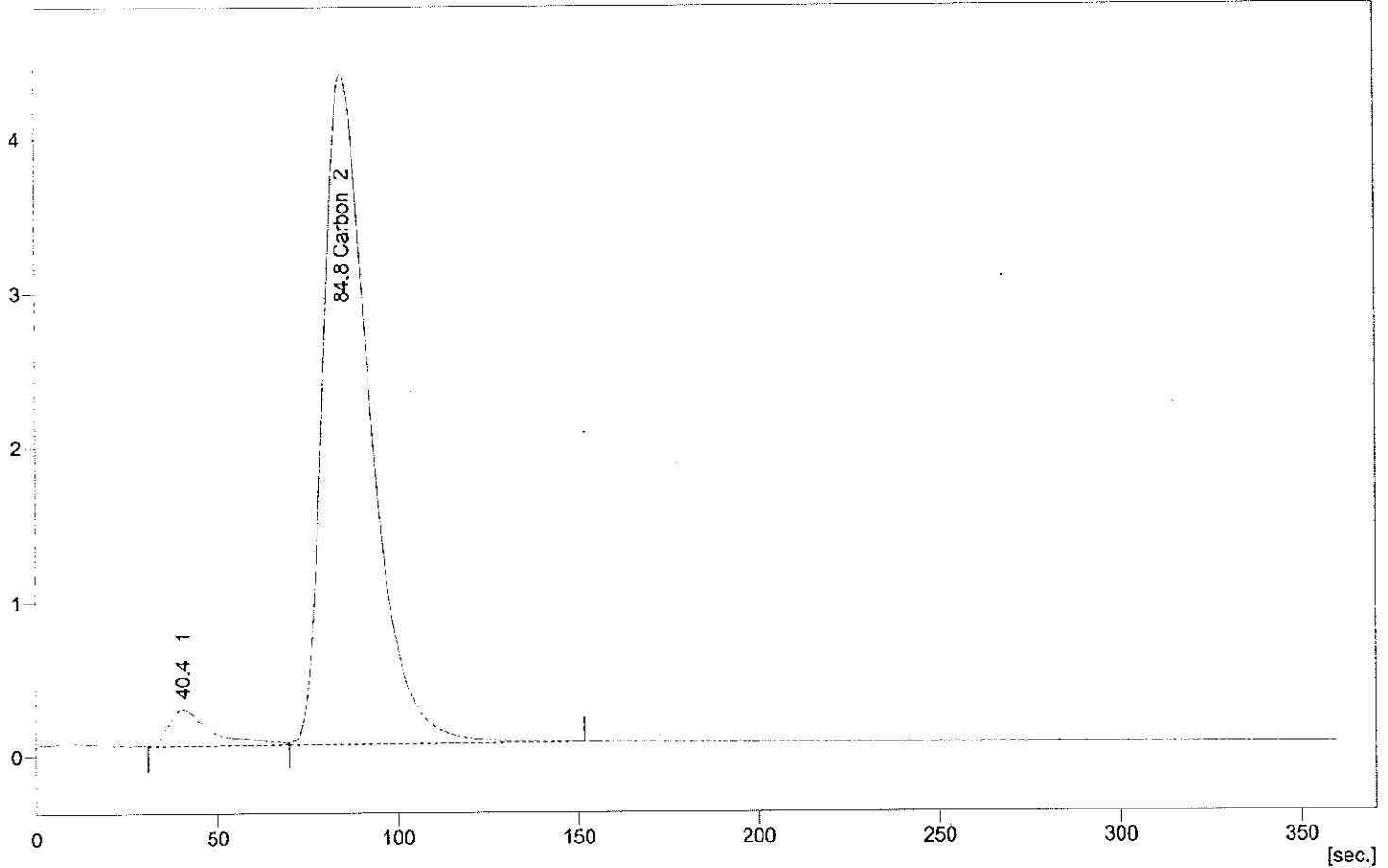
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.347	1.138	47.5	0.004	0.0364	1.0000	Refer
	Total	2.393	100.0	10.000	0.0364		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:19:12 PM
 Project : WORK2
 Weight : 9.702 mg
 Sample : LCS
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C005



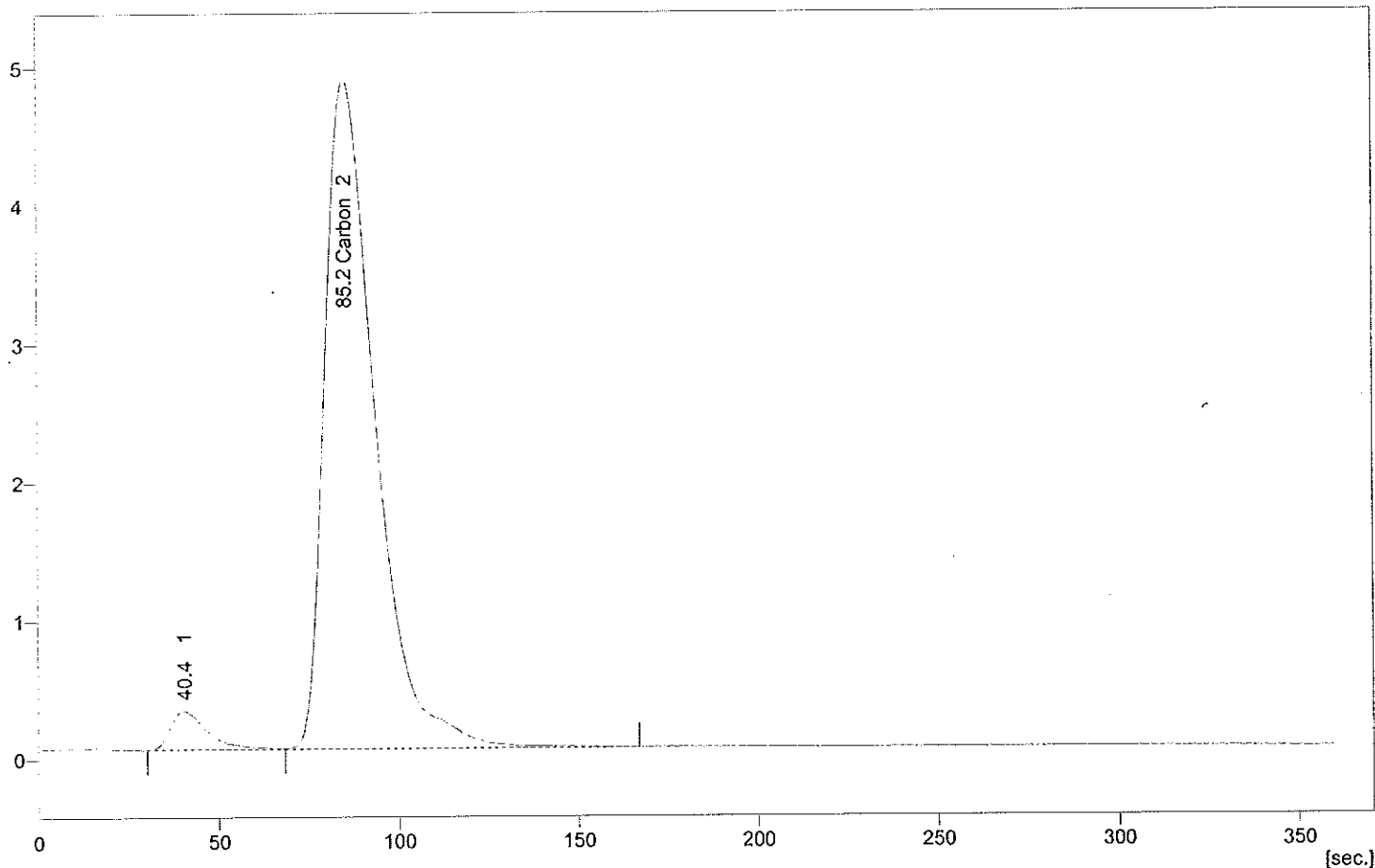
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.413	65.289	95.1	0.092	0.9486	1.0000	Refer
	Total	68.638	100.0	9.702	0.9486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:25:49 PM
 Project : WORK2
 Weight : 9.27 mg
 Sample : LCS
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C006



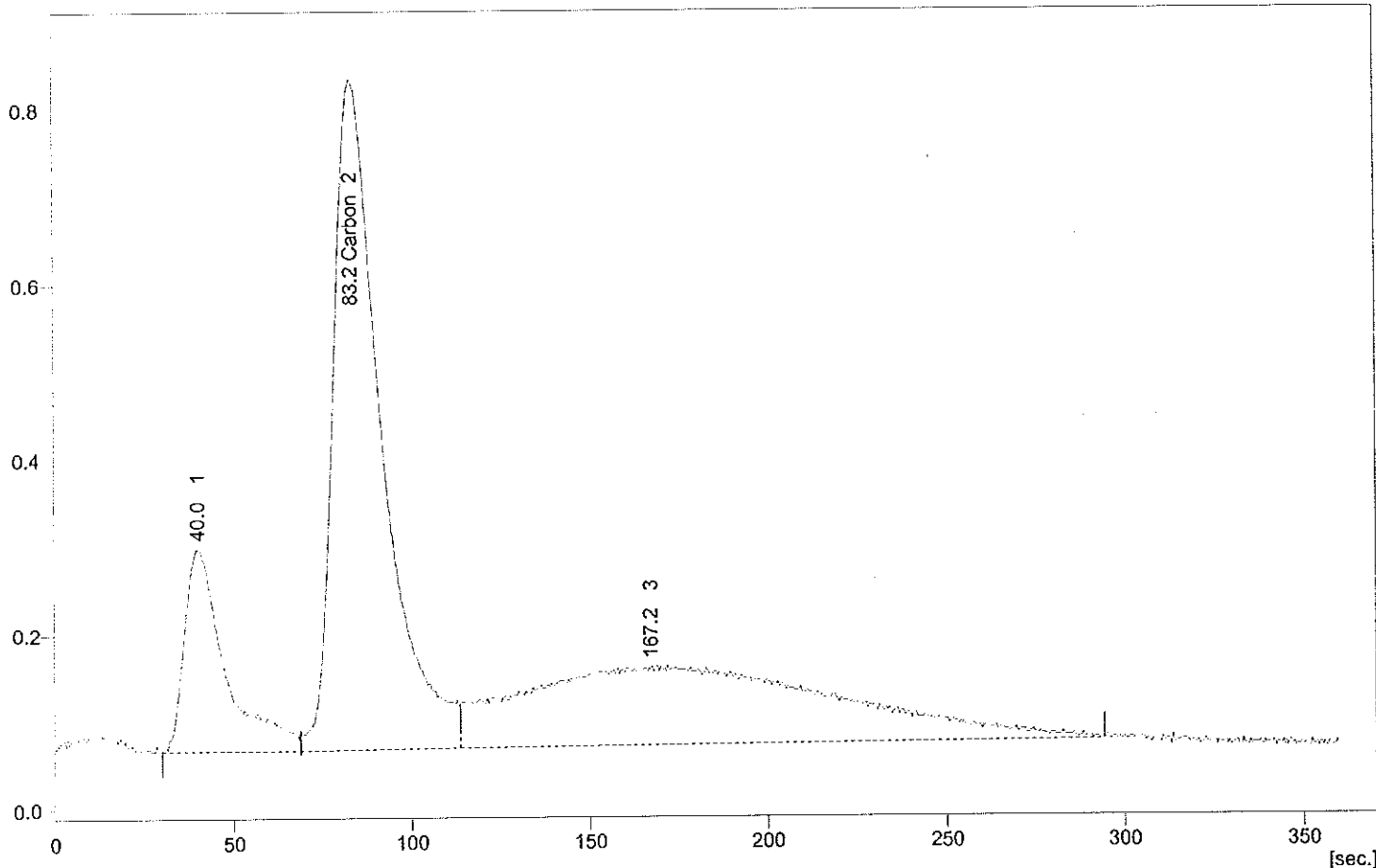
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.420	78.298	95.9	0.110	1.1861	1.0000	Refer
	Total	81.653	100.0	9.270	1.1861		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 3:40:43 PM
Project : WORK2
Weight : 9.915 mg
Sample : 580-32803-A-7
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C007



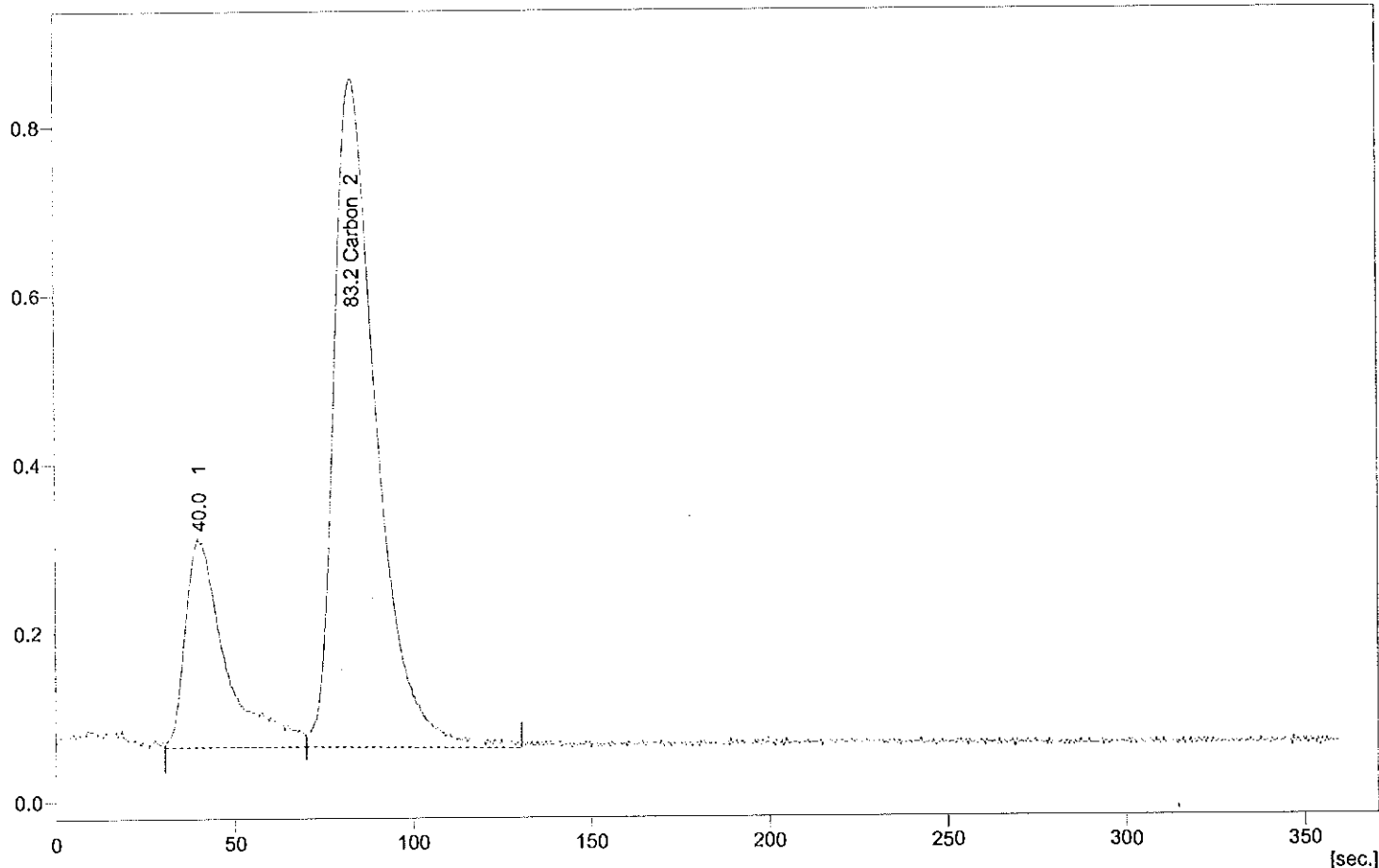
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	11.943	49.3	0.019	0.1869	1.0000	Refer
	Total	24.217	100.0	9.915	0.1869		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:47:20 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32803-A-7
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C008



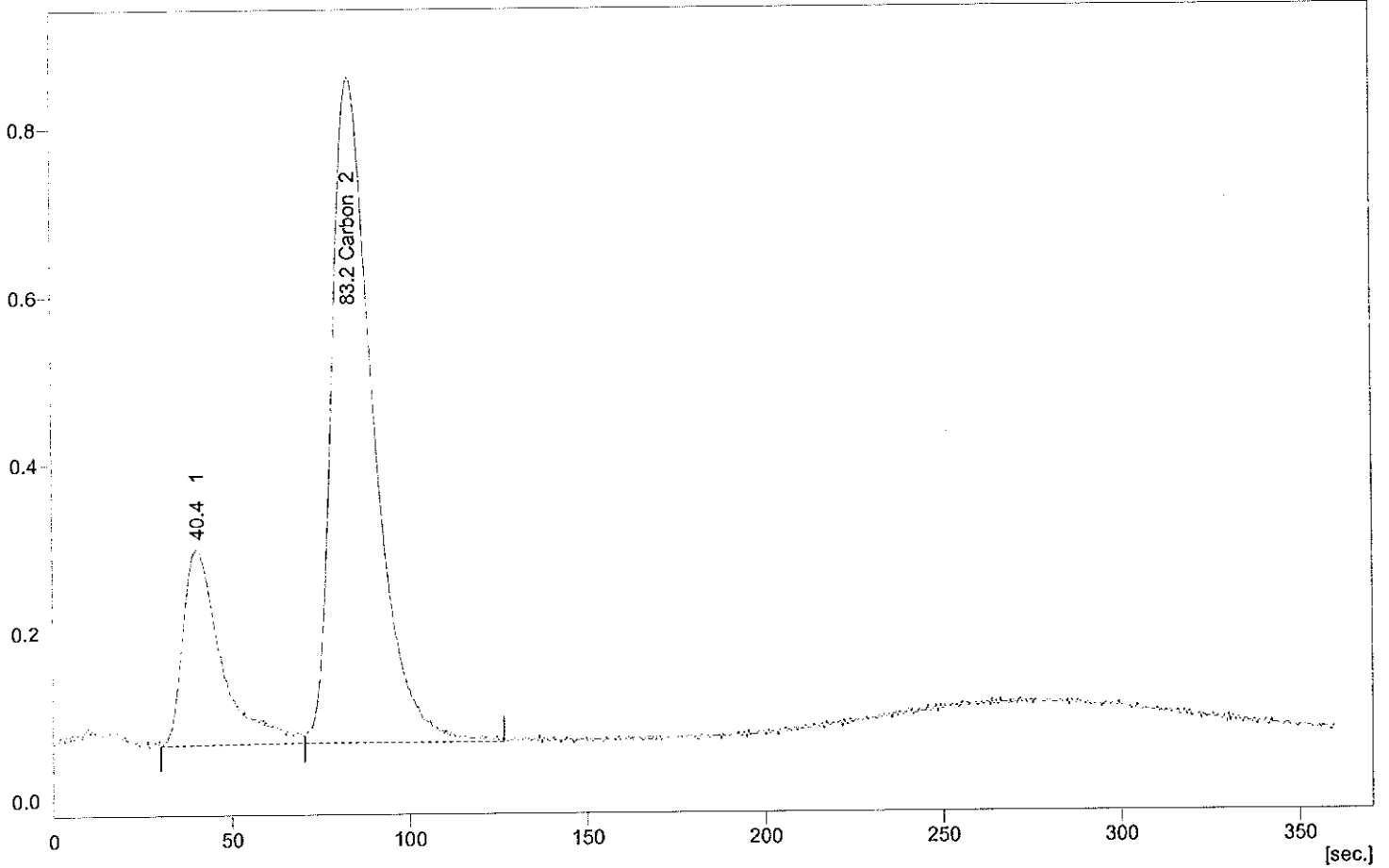
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.870	76.9	0.017	0.1711	1.0000	Refer
	Total	14.128	100.0	9.965	0.1711		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 3:53:56 PM
 Project : WORK2
 Weight : 9.565 mg
 Sample : 580-32803-A-10
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C009



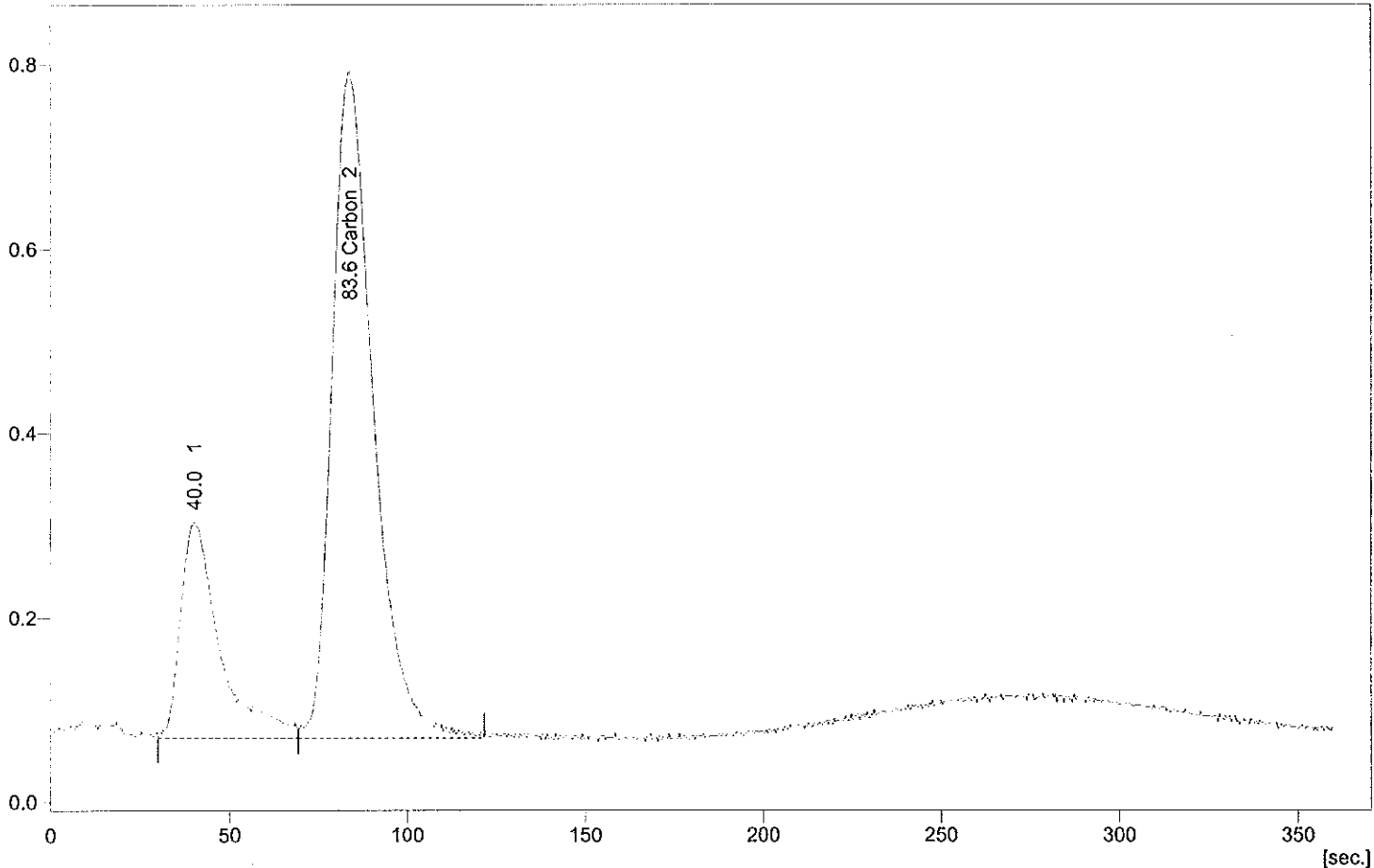
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.656	78.2	0.017	0.1752	1.0000	Refer
	Total	13.630	100.0	9.565	0.1752		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:00:33 PM
 Project : WORK2
 Weight : 10.248 mg
 Sample : 580-32803-A-10
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C010



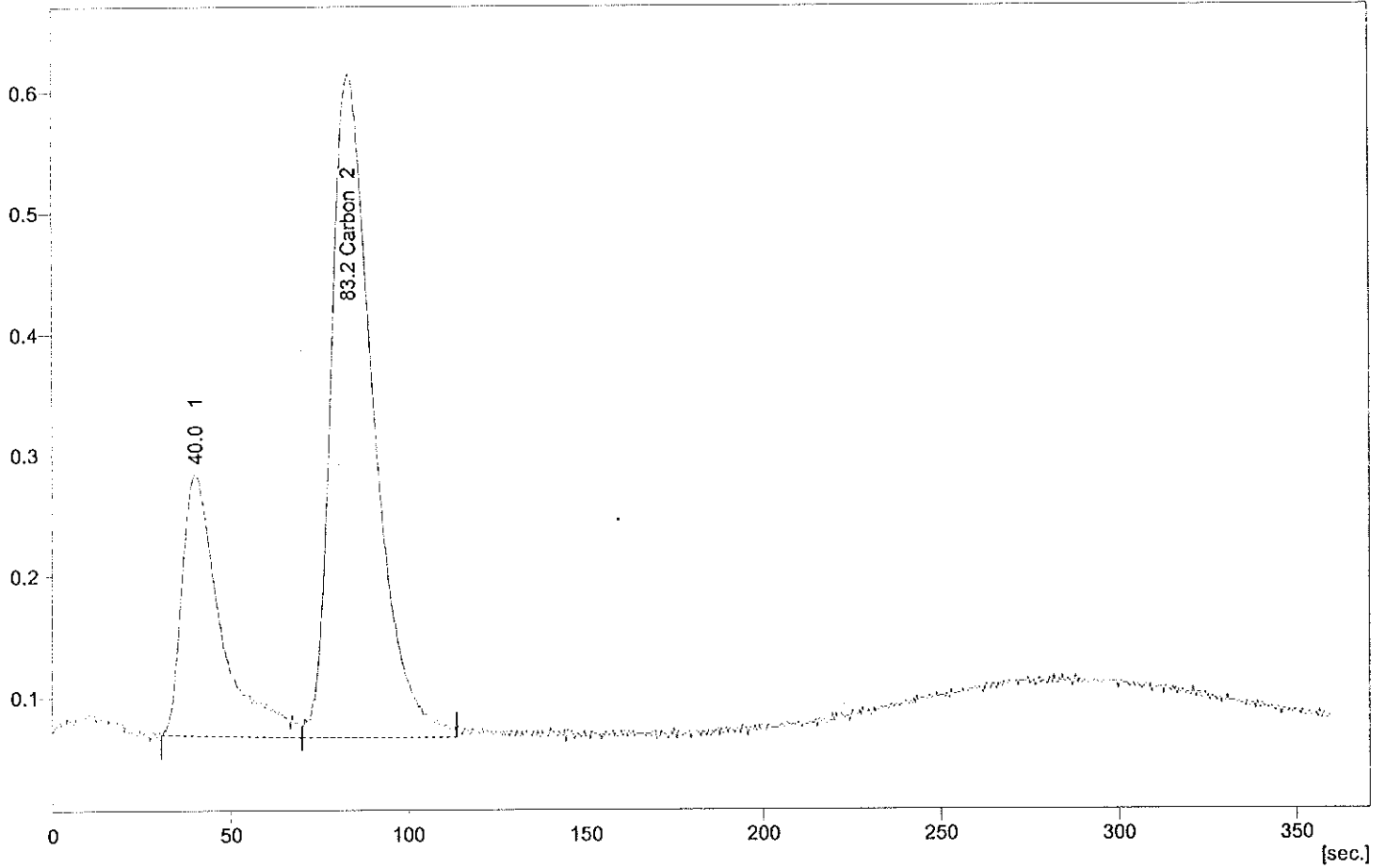
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.714	76.6	0.015	0.1509	1.0000	Refer
	Total	12.690	100.0	10.248	0.1509		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:07:10 PM
 Project : WORK2
 Weight : 10.323 mg
 Sample : 580-32803-A-15
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C011



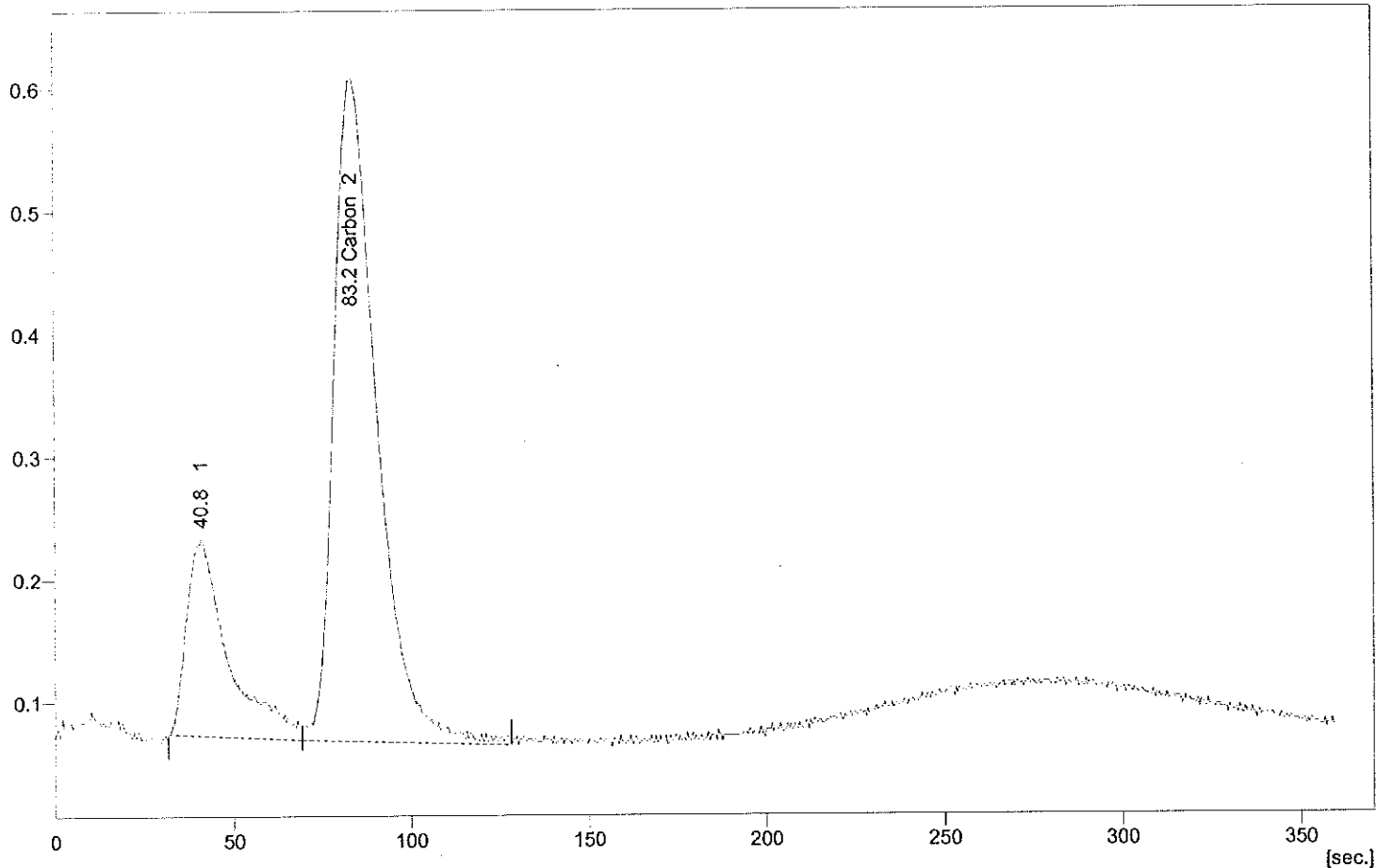
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.513	73.0	0.012	0.1204	1.0000	Refer
	Total	10.291	100.0	10.323	0.1204		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:13:47 PM
 Project : WORK2
 Weight : 10.378 mg
 Sample : 580-32803-A-15
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C012



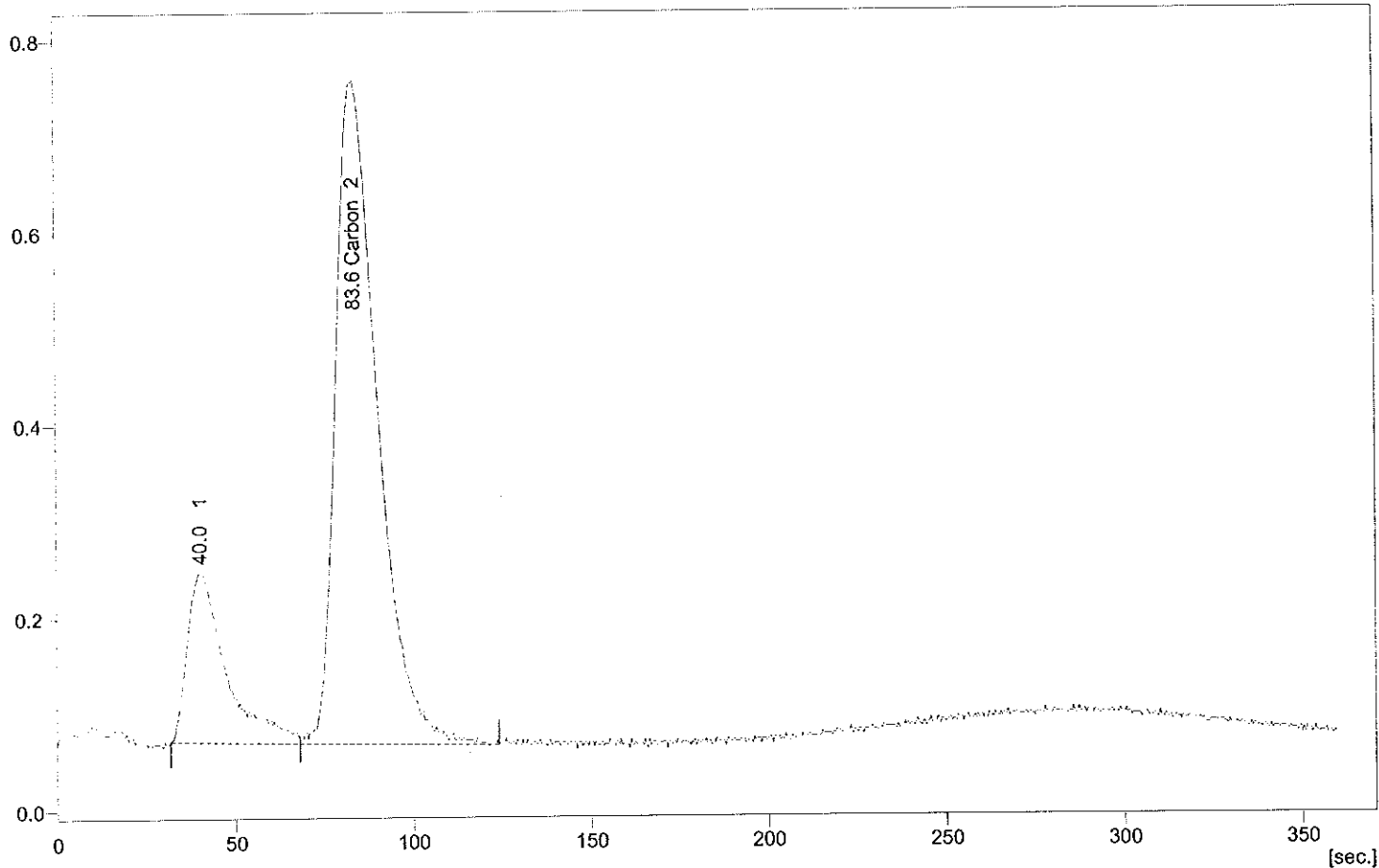
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.493	77.5	0.012	0.1195	1.0000	Refer
	Total	9.671	100.0	10.378	0.1195		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:20:25 PM
 Project : WORK2
 Weight : 9.725 mg
 Sample : 580-32803-A-16
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C013



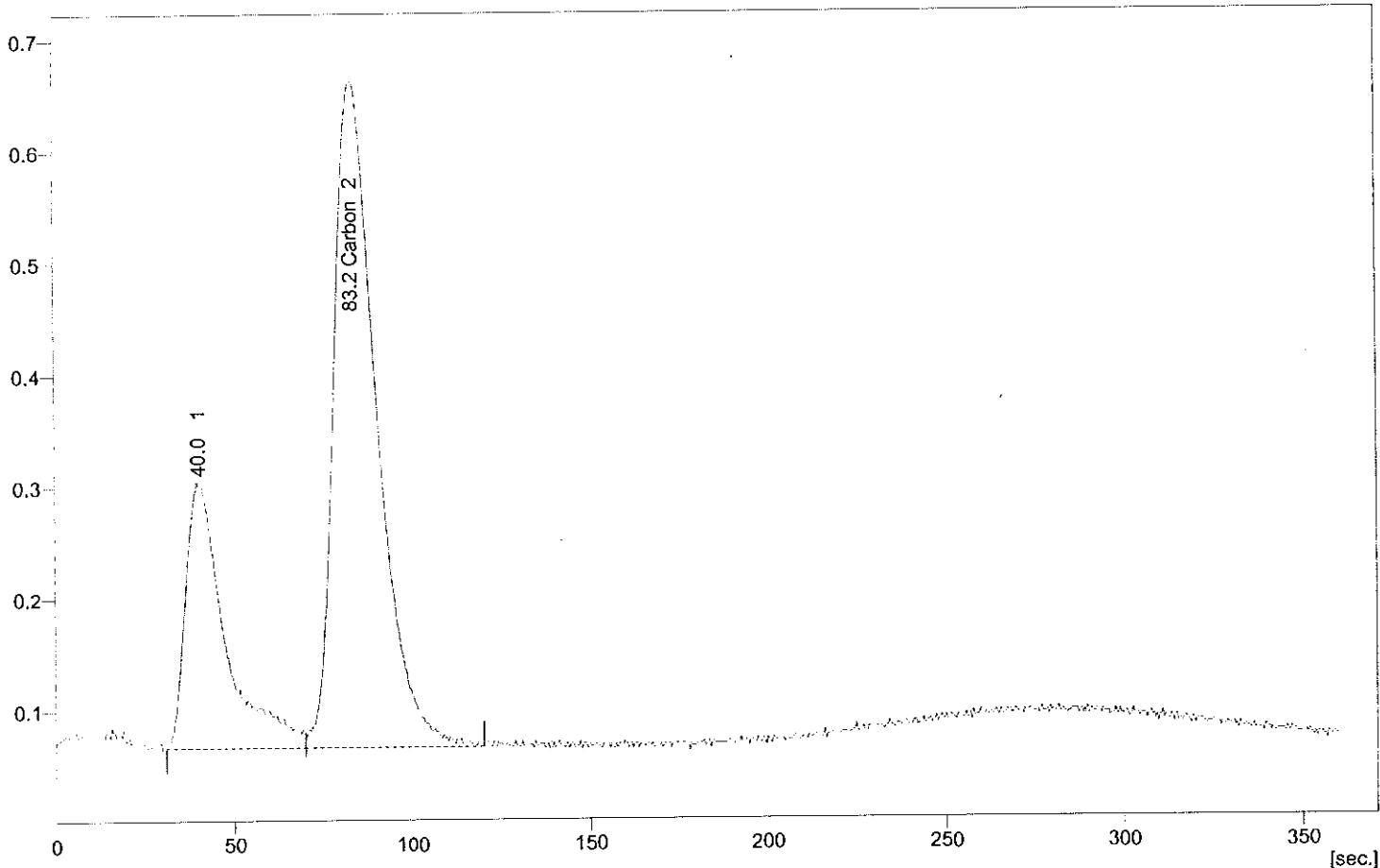
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.395	80.7	0.015	0.1544	1.0000	Refer
	Total	11.639	100.0	9.725	0.1544		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:27:03 PM
 Project : WORK2
 Weight : 9.618 mg
 Sample : 580-32803-A-16
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C014



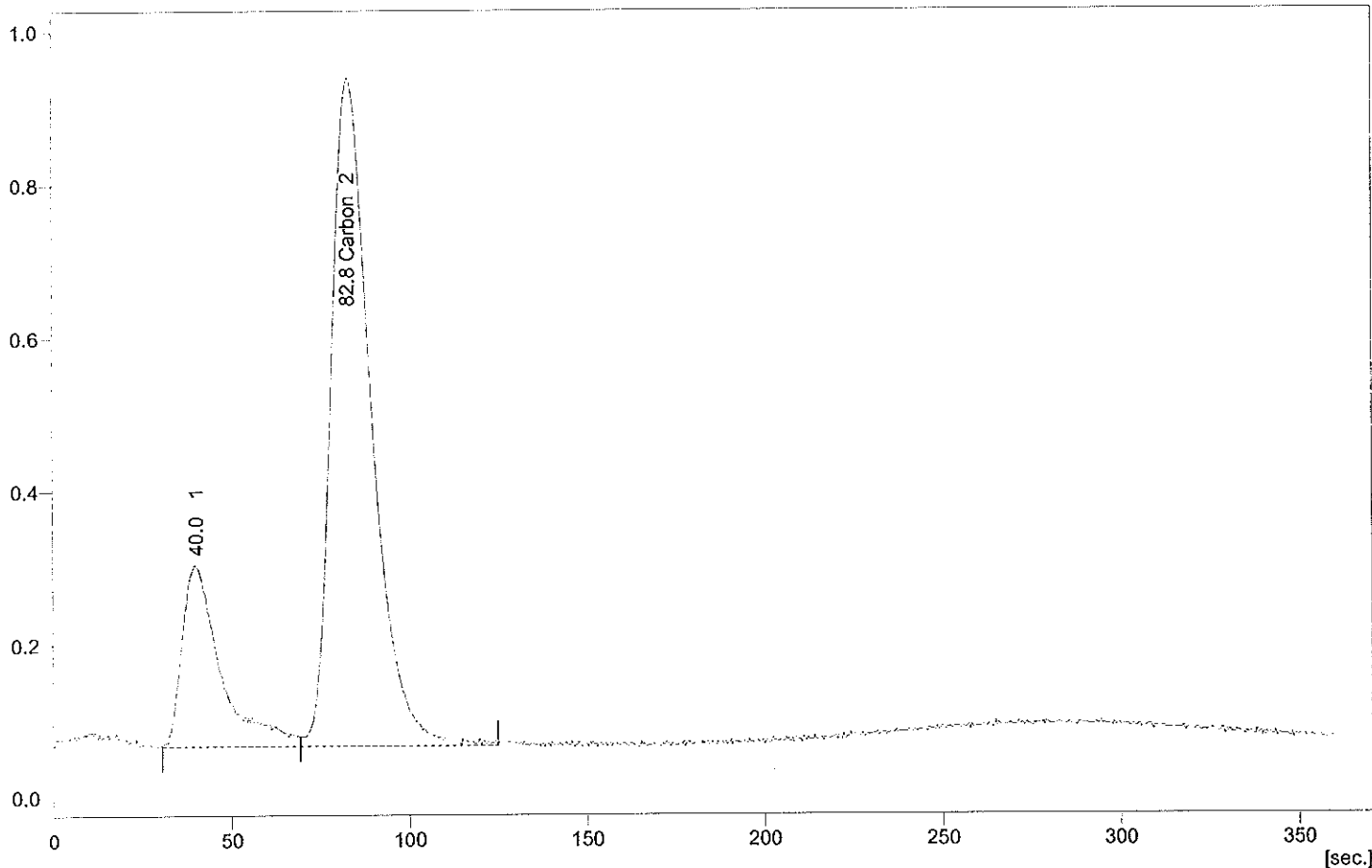
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.284	72.9	0.013	0.1402	1.0000	Refer
	Total	11.368	100.0	9.618	0.1402		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:33:41 PM
 Project : WORK2
 Weight : 10.103 mg
 Sample : 580-32803-A-17
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C015



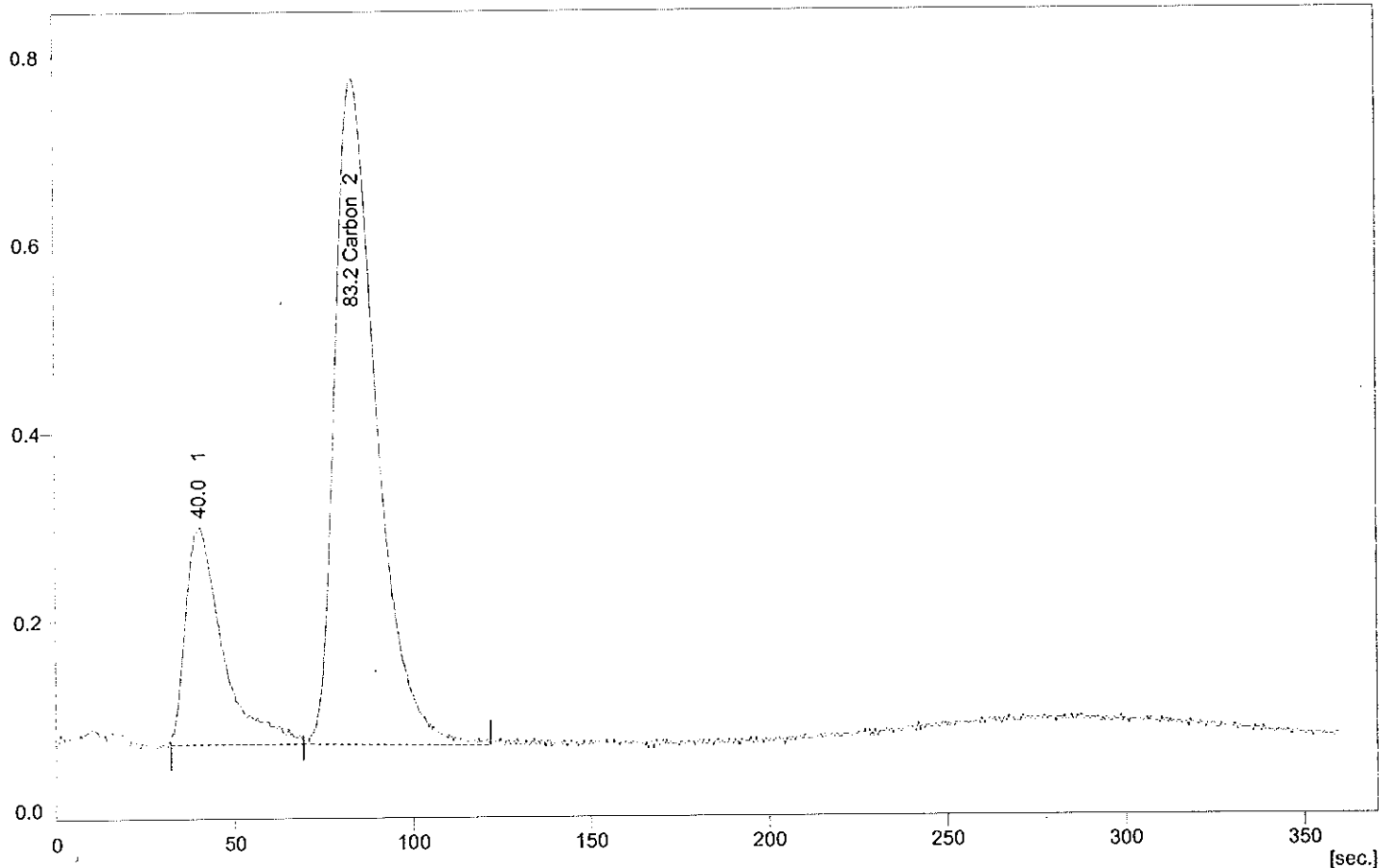
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	11.392	79.0	0.018	0.1759	1.0000	Refer
	Total	14.418	100.0	10.103	0.1759		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:40:19 PM
 Project : WORK2
 Weight : 9.921 mg
 Sample : 580-32803-A-17
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C016



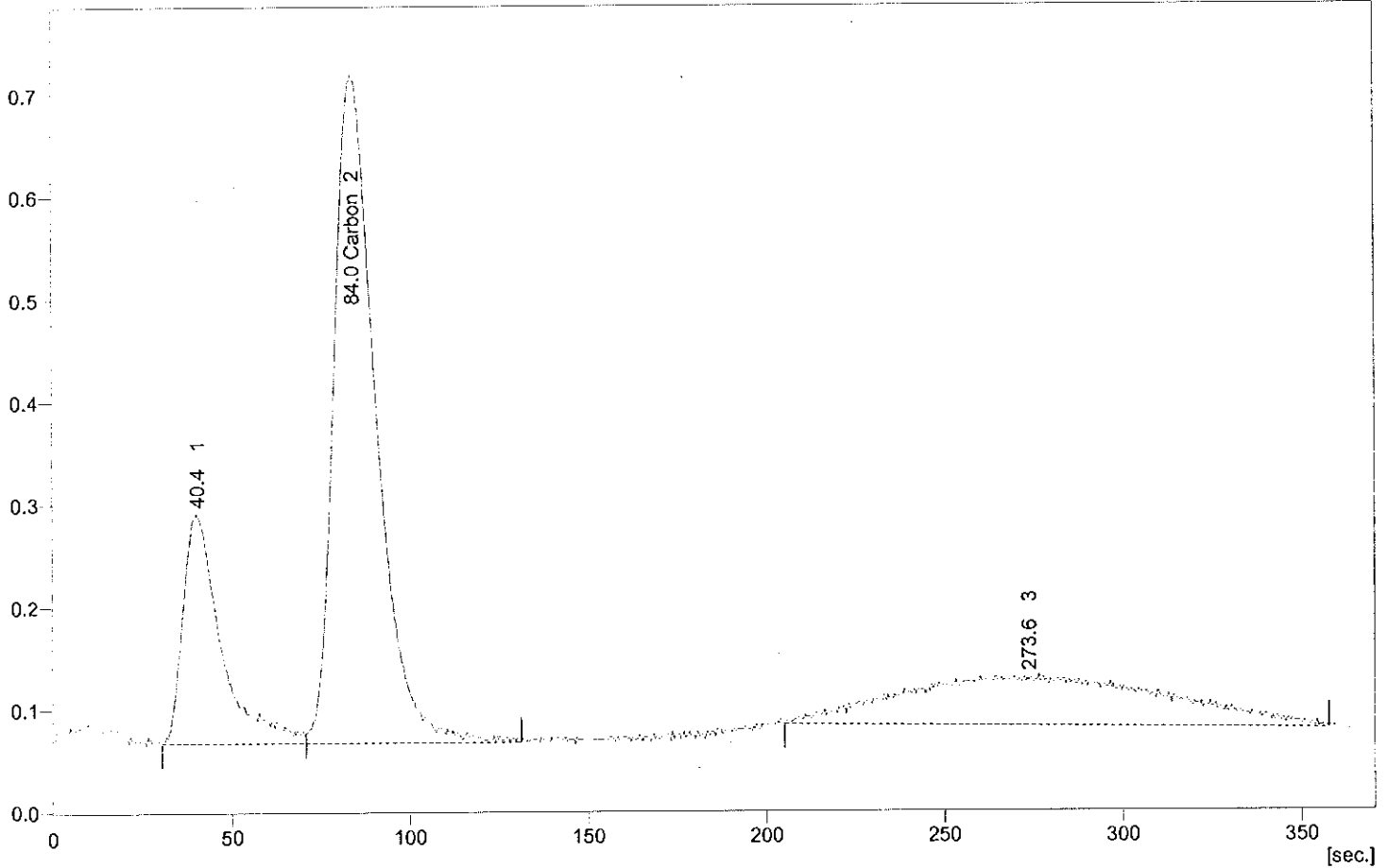
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.525	77.3	0.015	0.1532	1.0000	Refer
	Total	12.319	100.0	9.921	0.1532		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:46:58 PM
 Project : WORK2
 Weight : 9.959 mg
 Sample : 580-32803-A-18
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C017



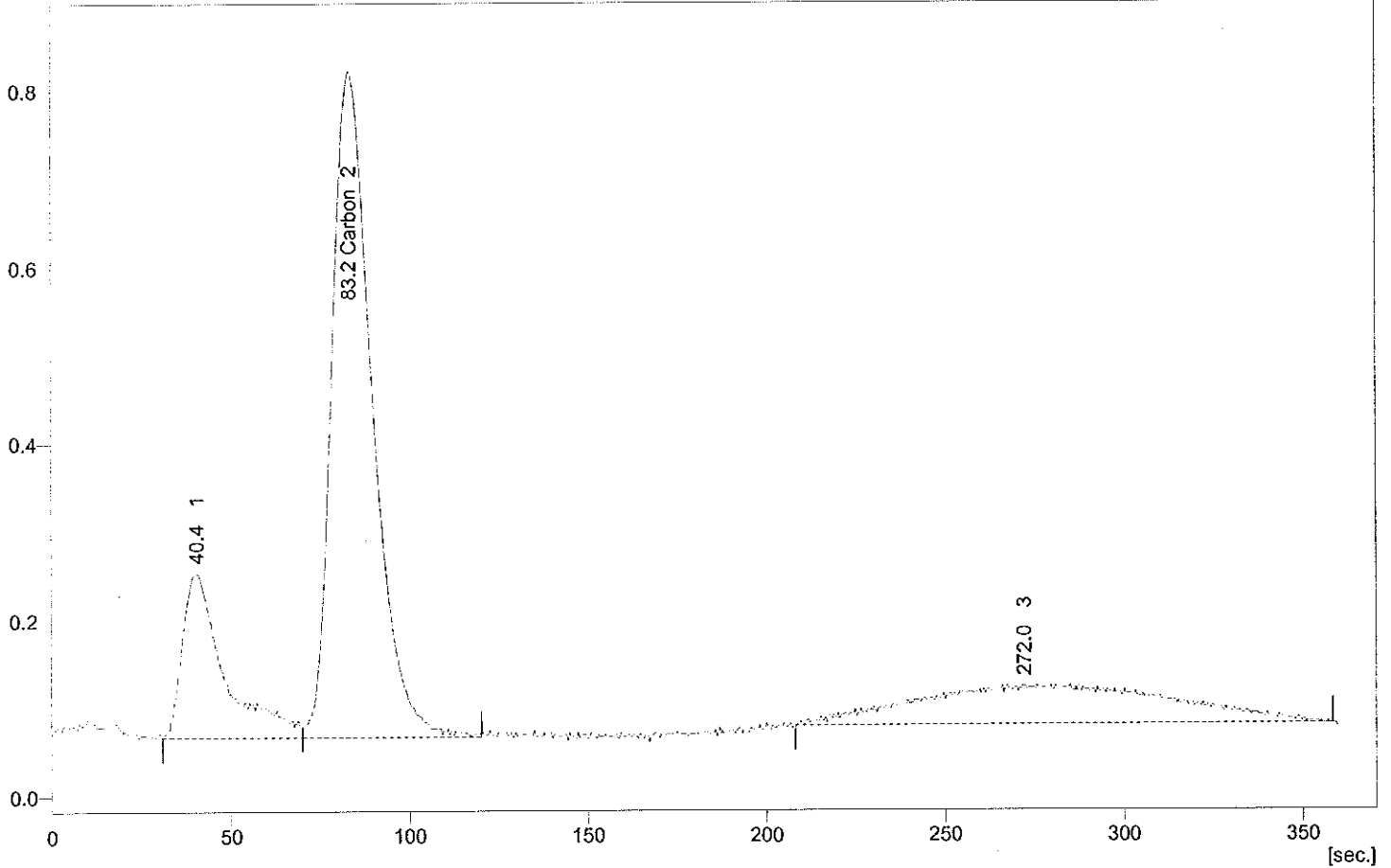
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	8.925	56.2	0.014	0.1443	1.0000	Refer
	Total	15.893	100.0	9.959	0.1443		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 4:53:37 PM
 Project : WORK2
 Weight : 9.645 mg
 Sample : 580-32803-A-18
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C018



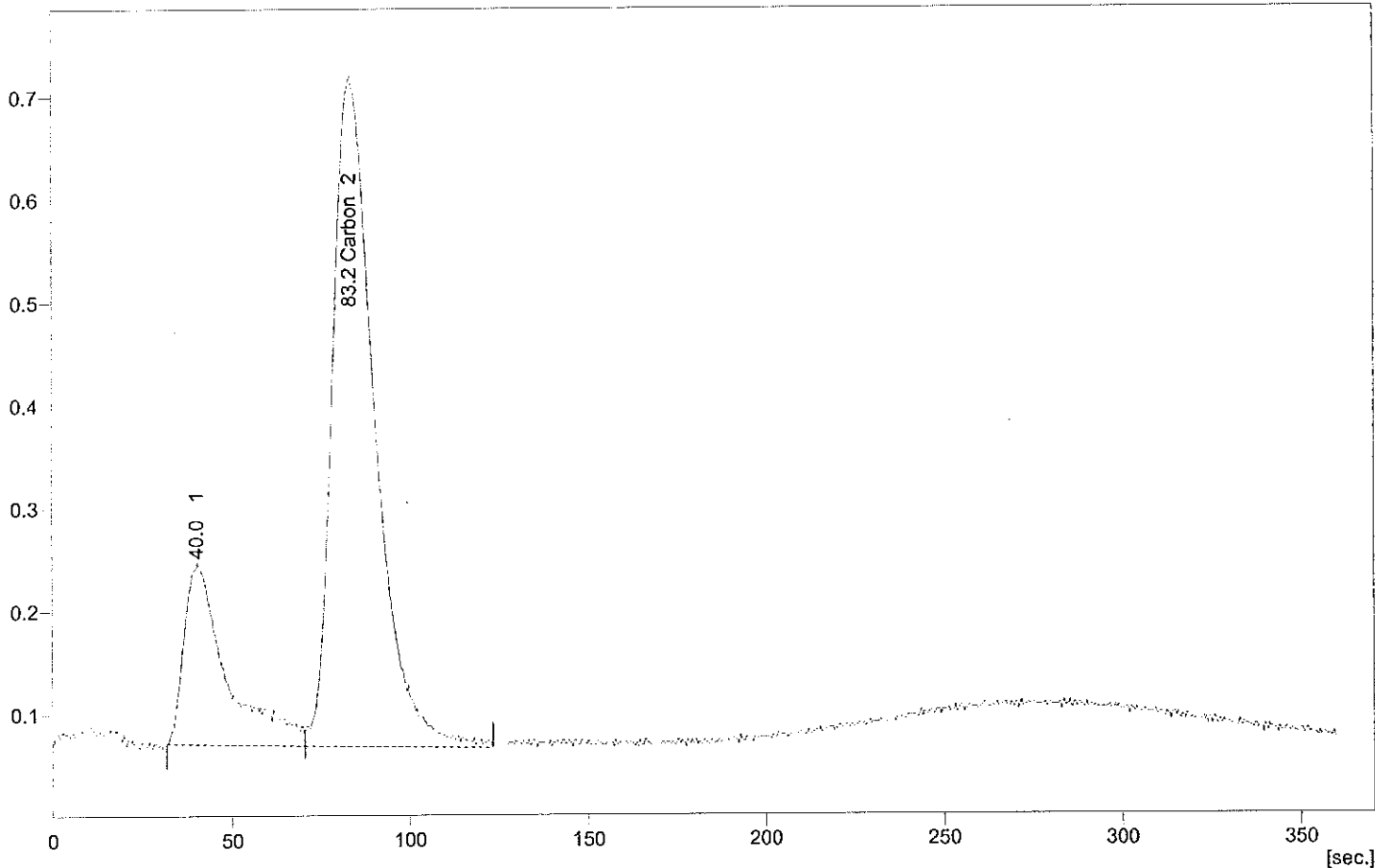
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.924	61.2	0.016	0.1633	1.0000	Refer
	Total	16.210	100.0	9.645	0.1633		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:00:16 PM
 Project : WORK2
 Weight : 9.672 mg
 Sample : 580-32803-A-19
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C019



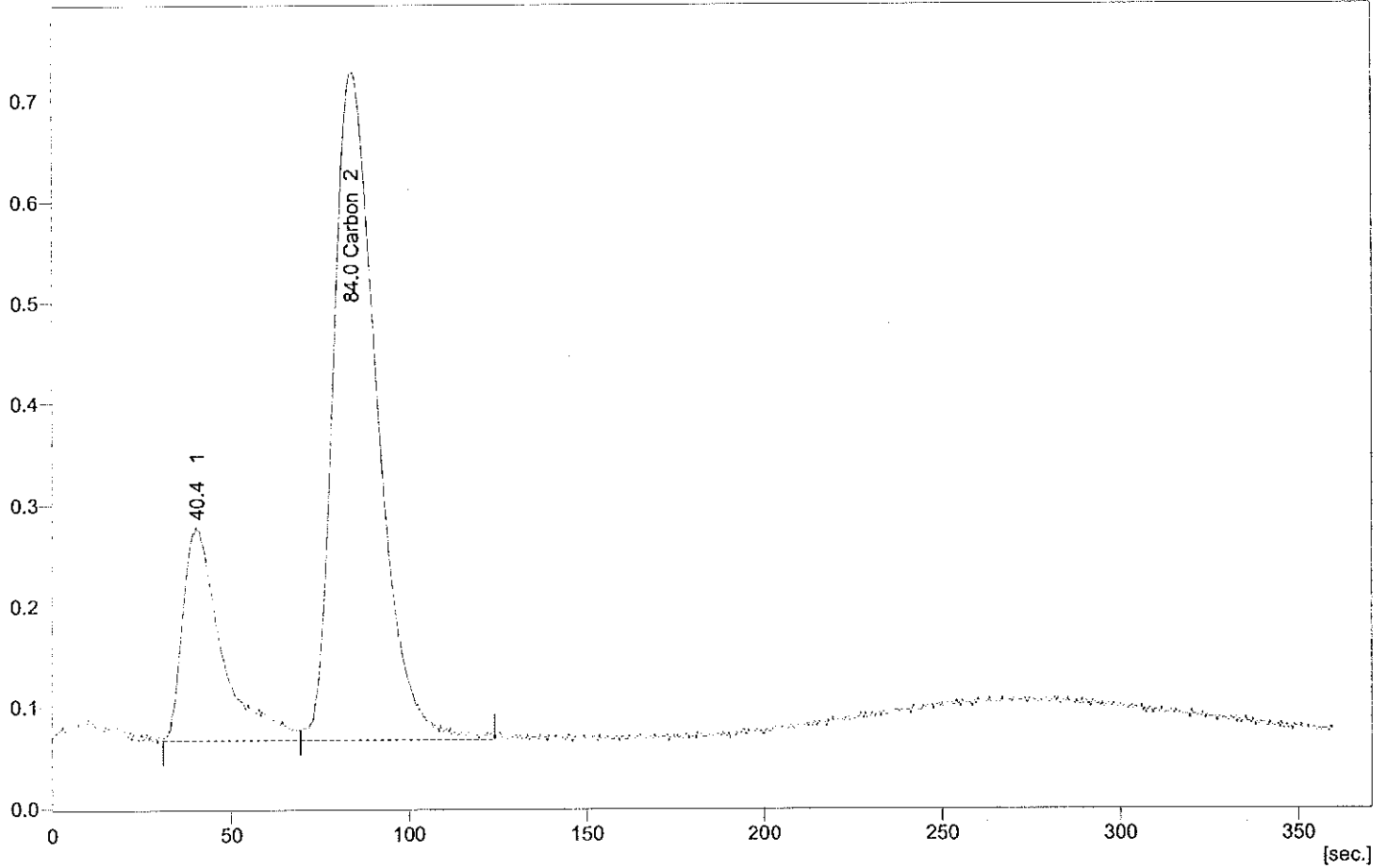
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8,909	78.4	0.014	0.1484	1.0000	Refer
	Total	11,366	100.0	9.672	0.1484		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:06:55 PM
 Project : WORK2
 Weight : 10.054 mg
 Sample : 580-32803-A-19
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C020



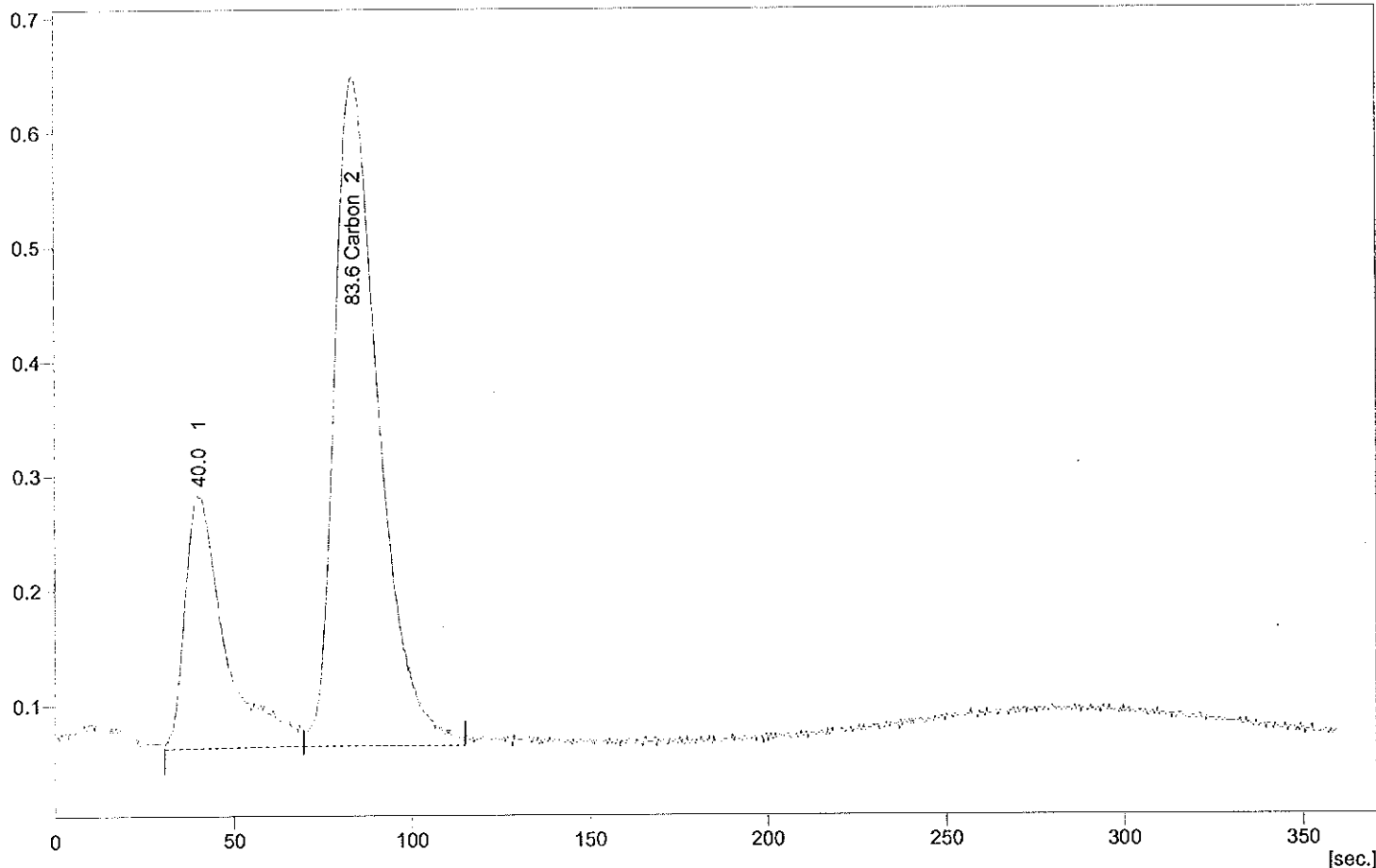
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	9.300	77.5	0.015	0.1481	1.0000	Refer
	Total	12.001	100.0	10.054	0.1481		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:13:35 PM
 Project : WORK2
 Weight : 10.083 mg
 Sample : 580-32803-A-20
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C021



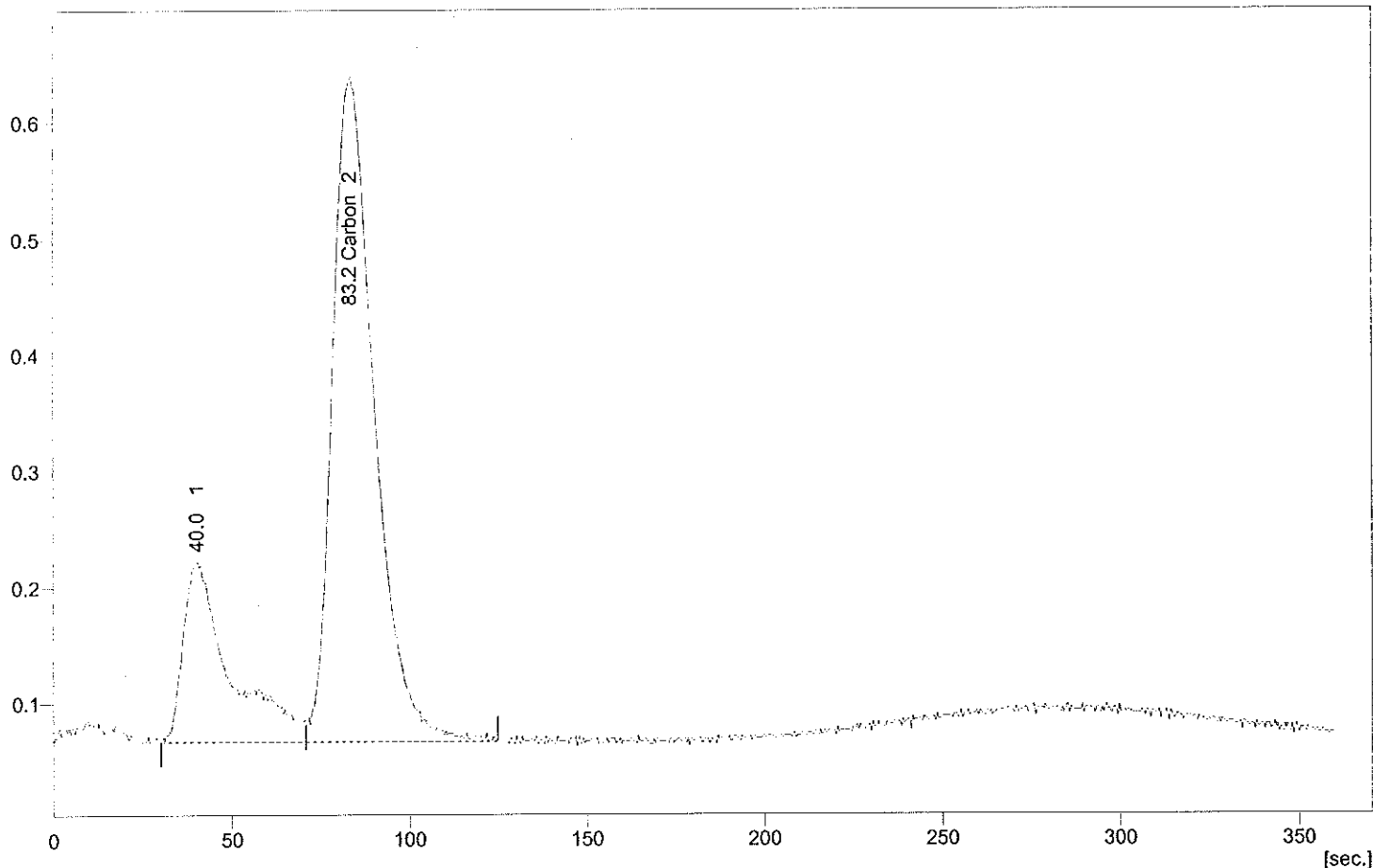
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.310	74.1	0.014	0.1341	1.0000	Refer
	Total	11.213	100.0	10.083	0.1341		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:20:15 PM
 Project : WORK2
 Weight : 10.031 mg
 Sample : 580-32803-A-20
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C022



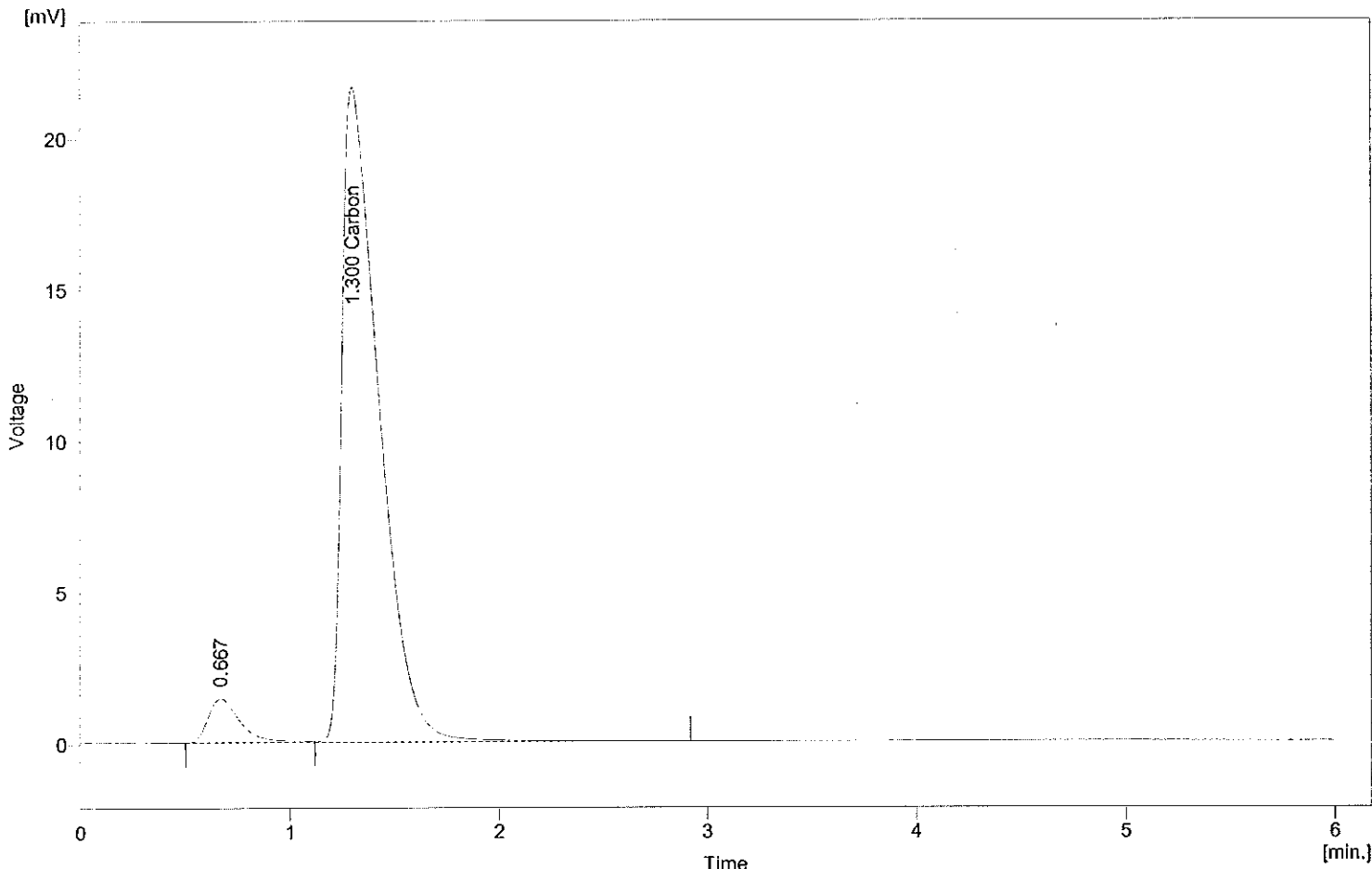
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.856	76.7	0.013	0.1286	1.0000	Refer
	Total	10.236	100.0	10.031	0.1286		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:26:55 PM
 Project : WORK2
 Weight : 0.462 mg
 Sample : ACETANILIDE
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C023



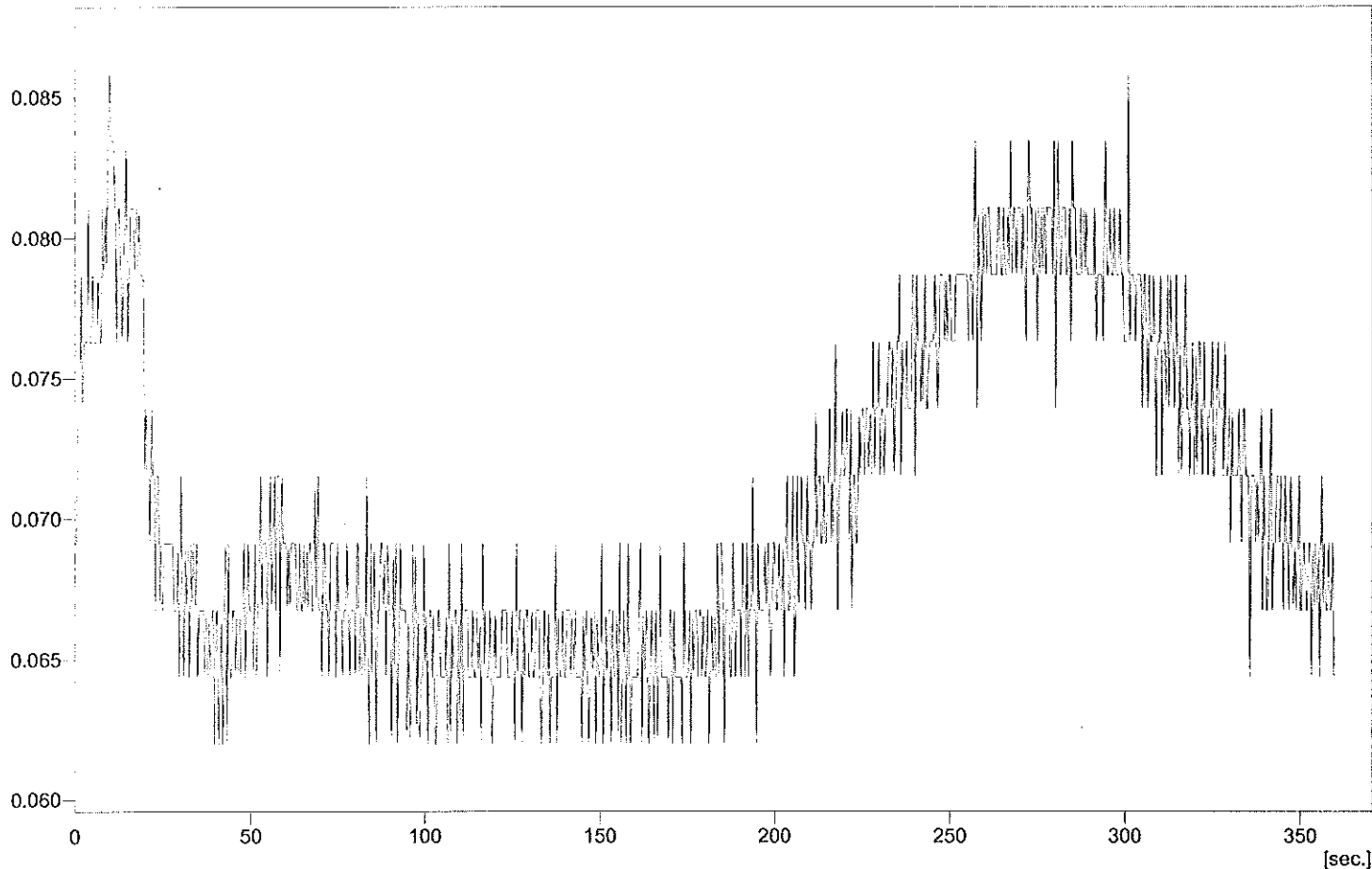
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.300	266.117	94.5	0.369	79.8123	1.0000	Refer
	Total	281.572	100.0	0.462	79.8123		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 5:33:35 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C024



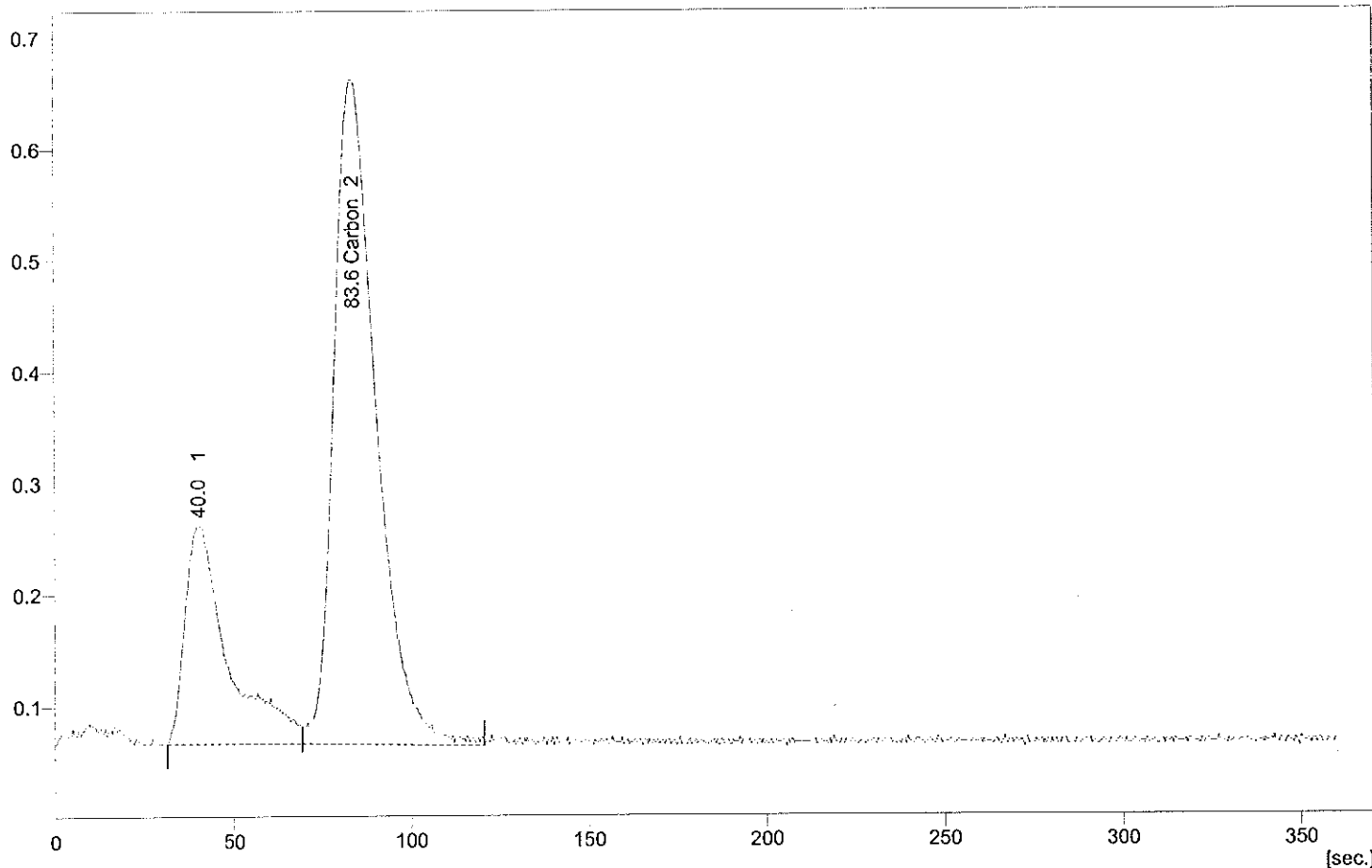
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:40:16 PM
 Project : WORK2
 Weight : 9.738 mg
 Sample : 580-32803-A-21
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C025



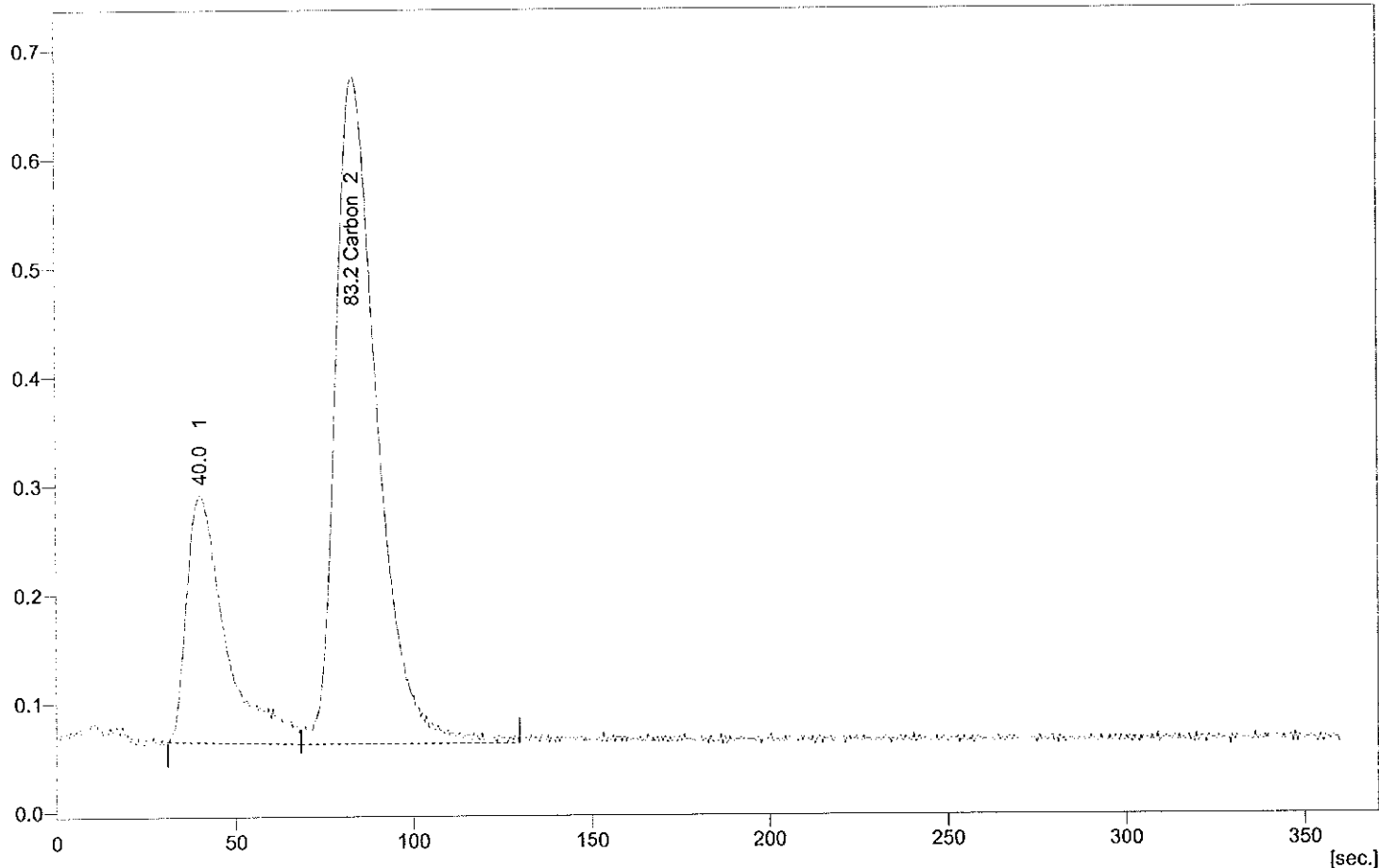
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.196	74.7	0.013	0.1373	1.0000	Refer
	Total	10.973	100.0	9.738	0.1373		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 5:46:57 PM
 Project : WORK2
 Weight : 10.069 mg
 Sample : 580-32803-A-21
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C026



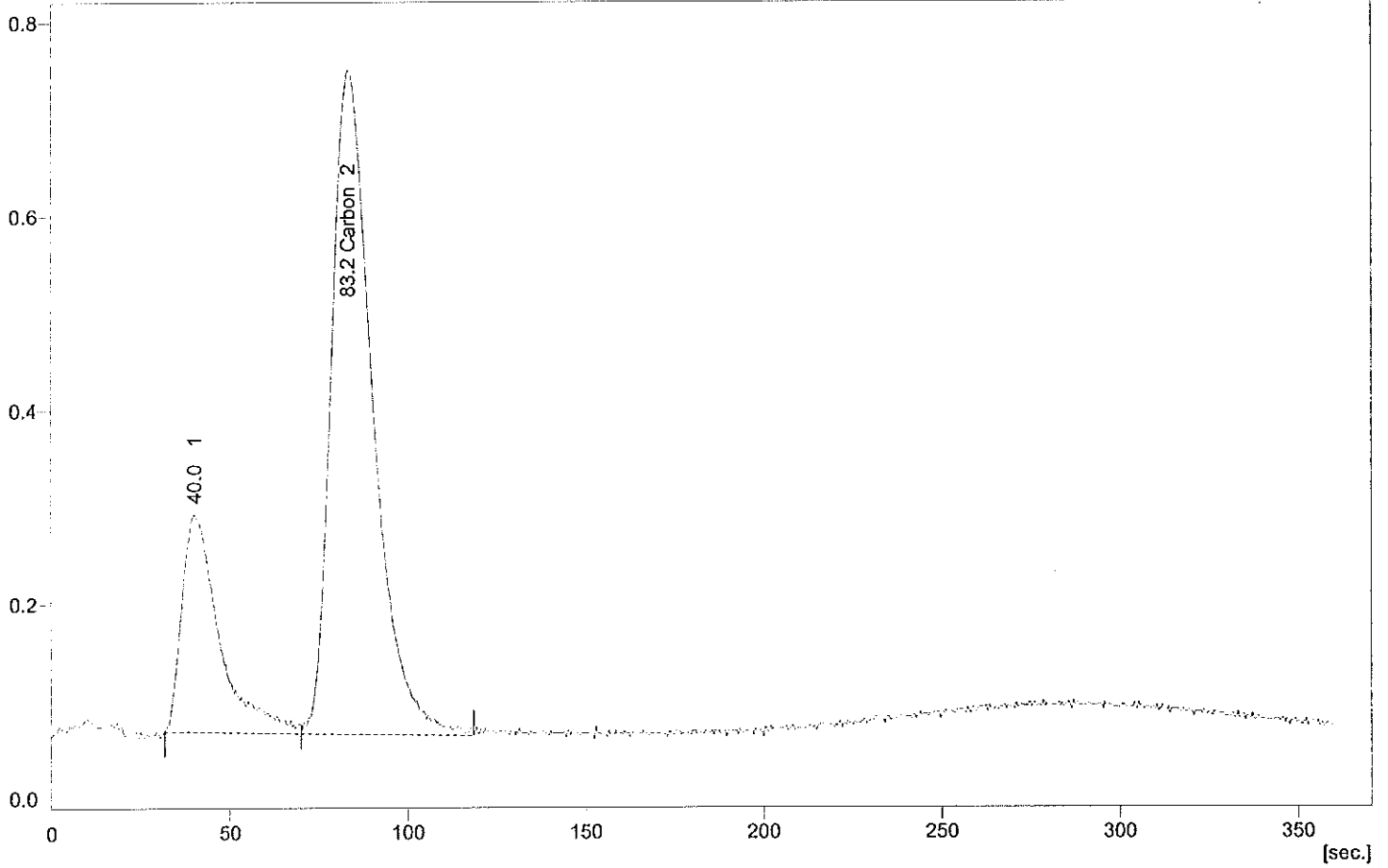
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.297	74.0	0.014	0.1341	1.0000	Refer
	Total	11.205	100.0	10.069	0.1341		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 5:53:38 PM
Project : WORK2
Weight : 10.144 mg
Sample : 580-32803-A-26
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C027



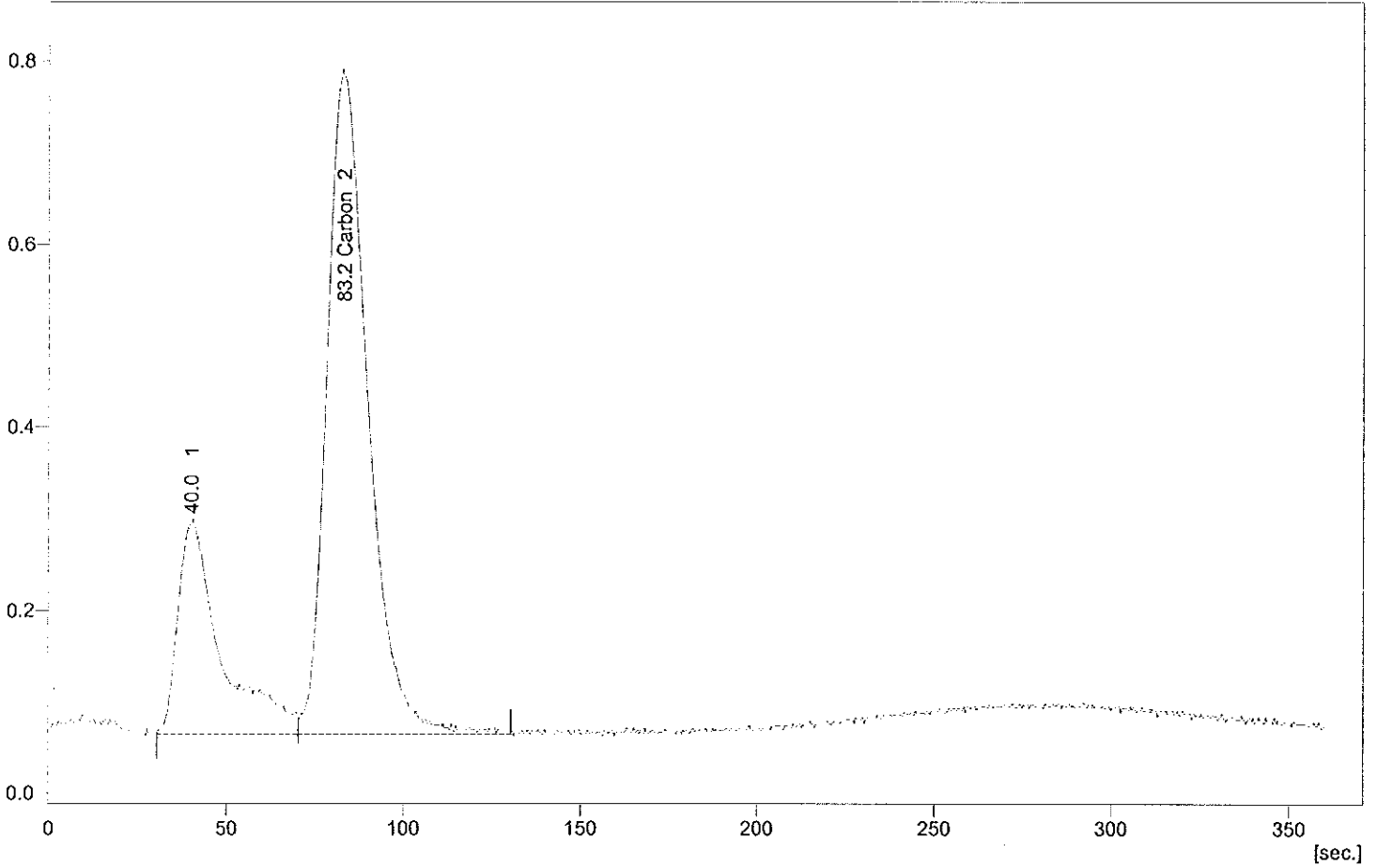
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.157	76.8	0.015	0.1448	1.0000	Refer
	Total	11.915	100.0	10.144	0.1448		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 6:00:19 PM
Project : WORK2
Weight : 9.28 mg
Sample : 580-32803-A-26
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C028



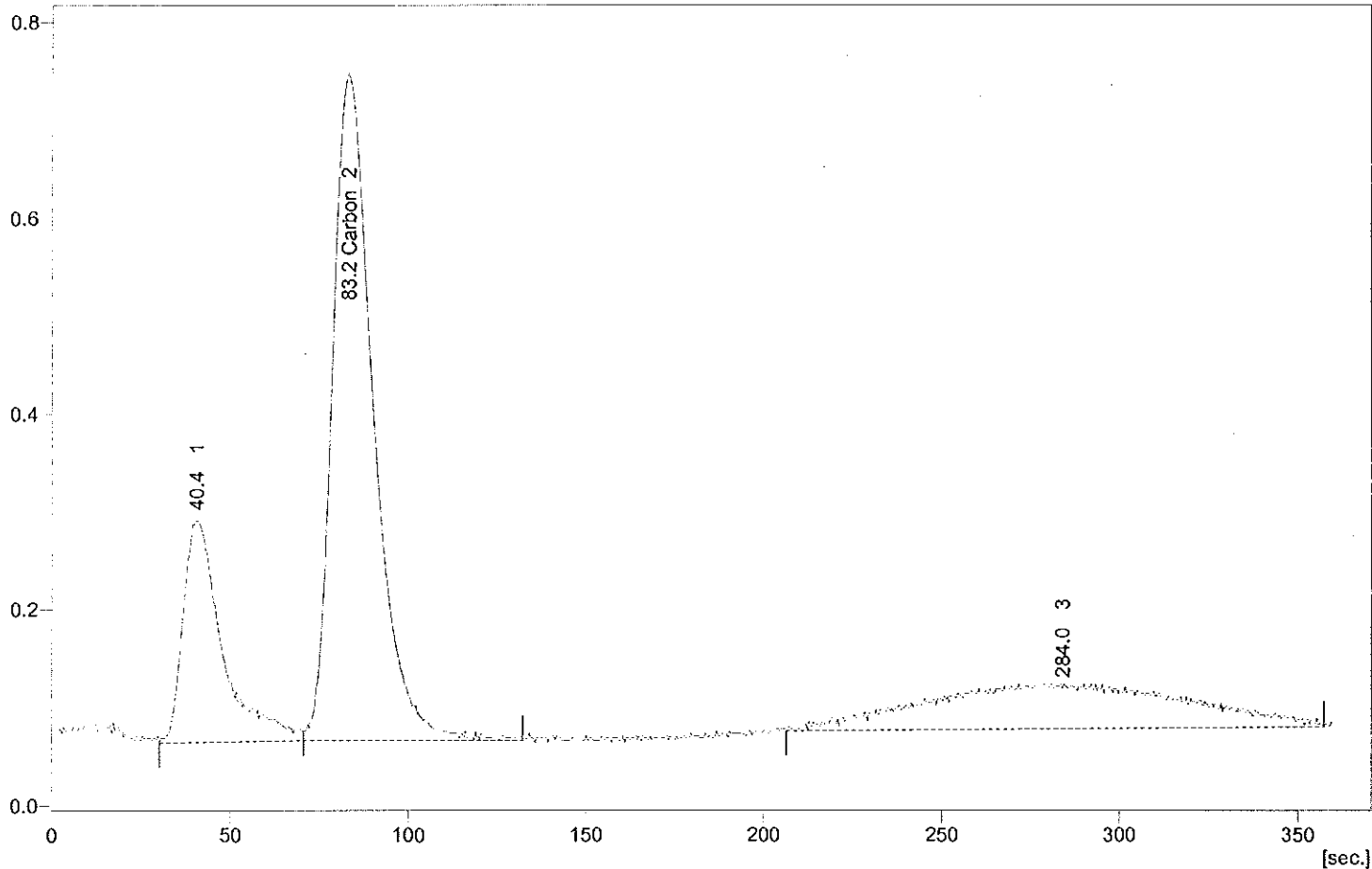
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.711	75.0	0.015	0.1665	1.0000	Refer
	Total	12.956	100.0	9.280	0.1665		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:07:01 PM
 Project : WORK2
 Weight : 9.517 mg
 Sample : 580-32803-A-30
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C029



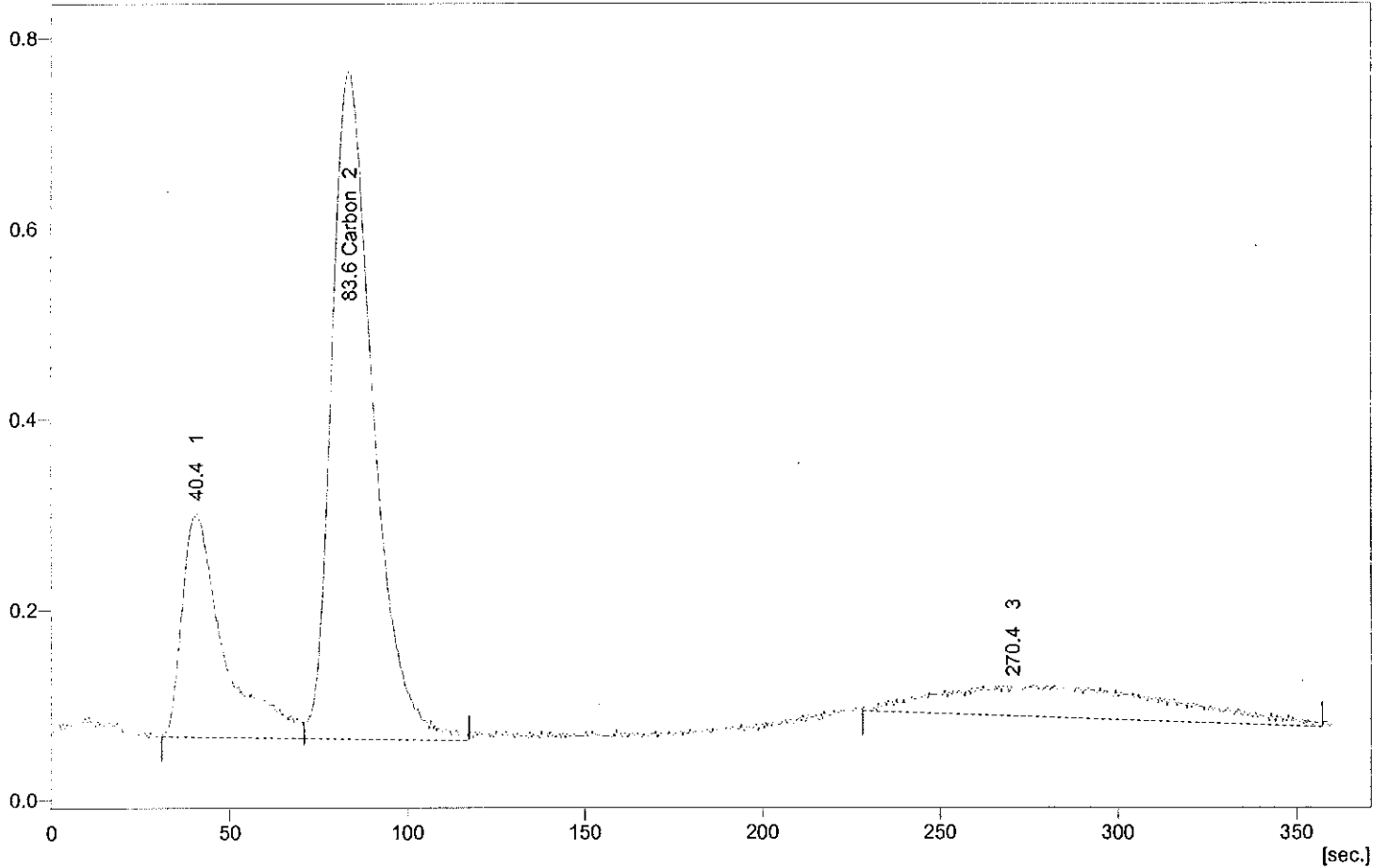
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	9.096	57.1	0.015	0.1535	1.0000	Refer
	Total	15.936	100.0	9.517	0.1535		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:13:43 PM
 Project : WORK2
 Weight : 9.975 mg
 Sample : 580-32803-A-30
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C030



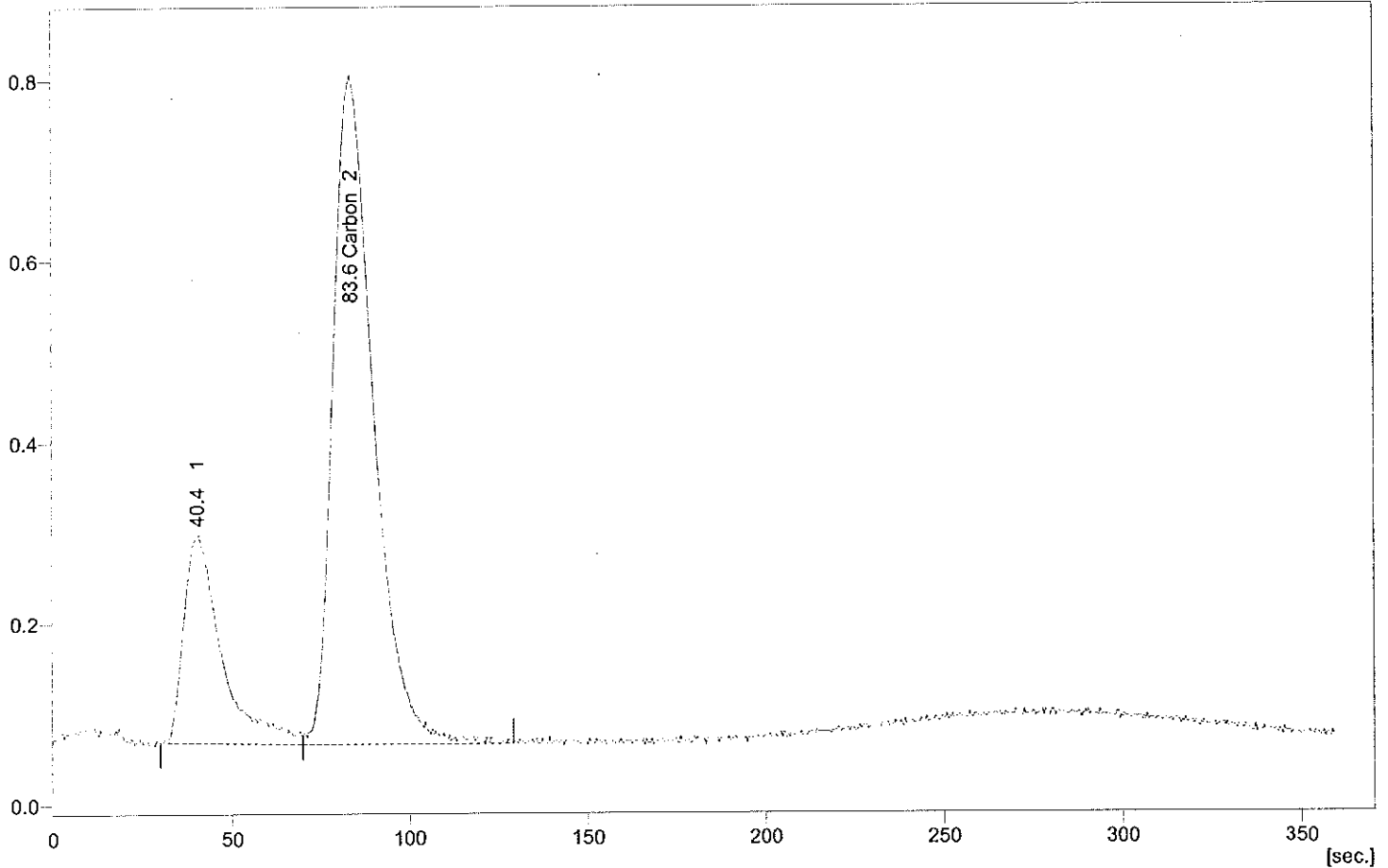
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.423	62.8	0.015	0.1510	1.0000	Refer
	Total	15.016	100.0	9.975	0.1510		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:20:25 PM
 Project : WORK2
 Weight : 9.315 mg
 Sample : 580-32803-A-36
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C031



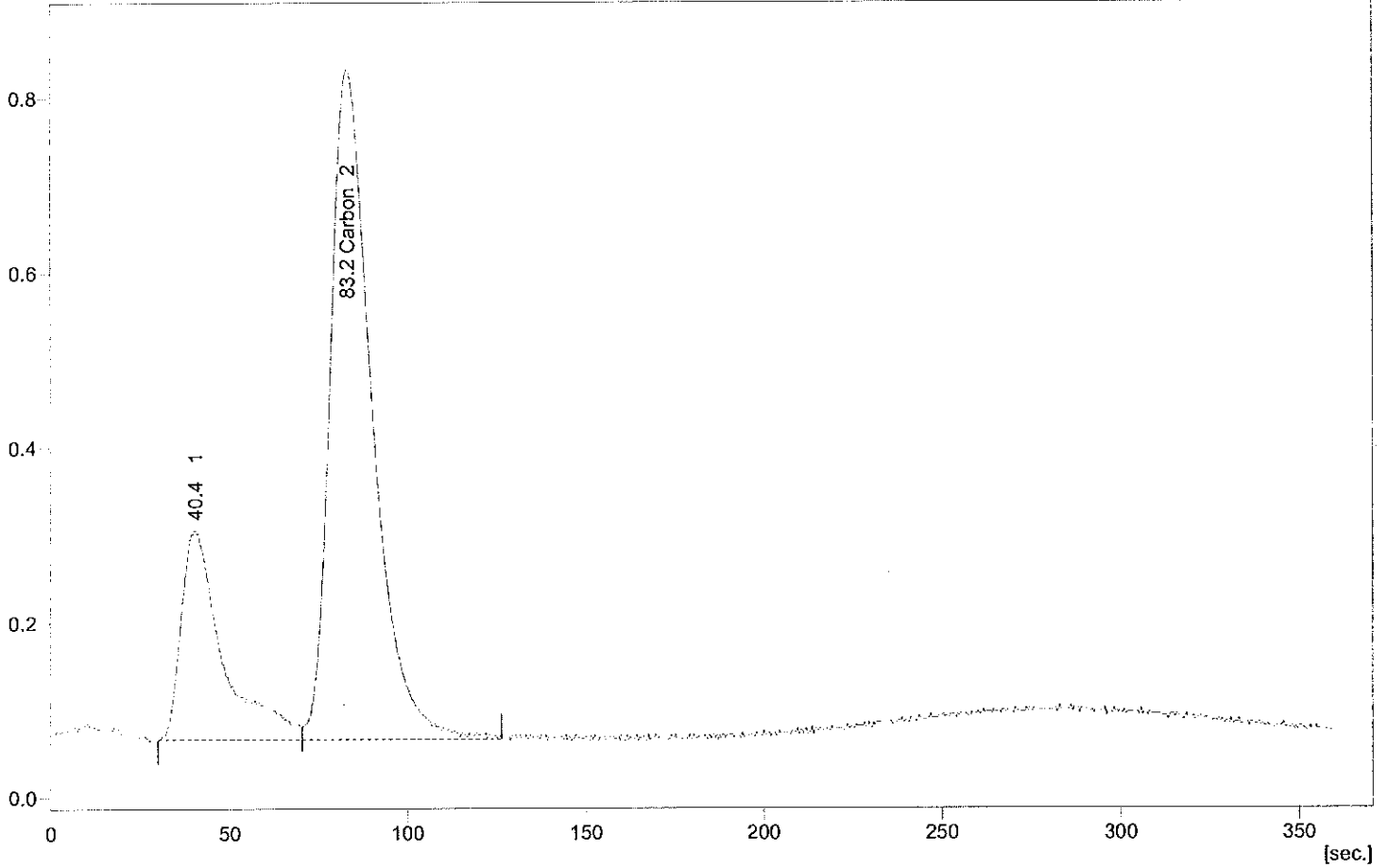
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.724	77.4	0.015	0.1661	1.0000	Refer
	Total	12.566	100.0	9.315	0.1661		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 6:27:08 PM
Project : WORK2
Weight : 9.984 mg
Sample : 580-32803-A-36
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C032



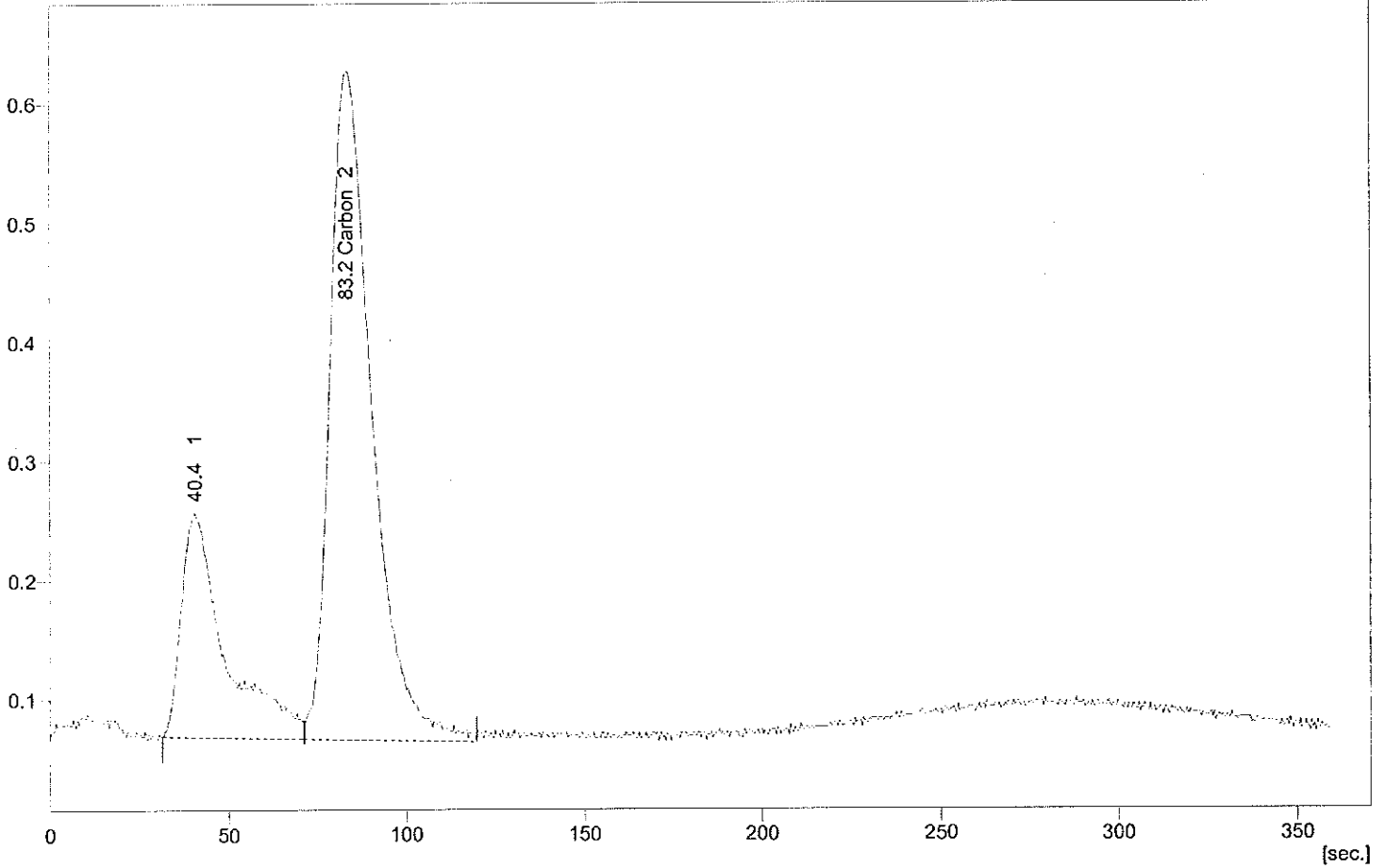
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.350	76.1	0.016	0.1636	1.0000	Refer
	Total	13.593	100.0	9.984	0.1636		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 6:33:50 PM
Project : WORK2
Weight : 10.024 mg
Sample : 580-32803-A-41
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C033



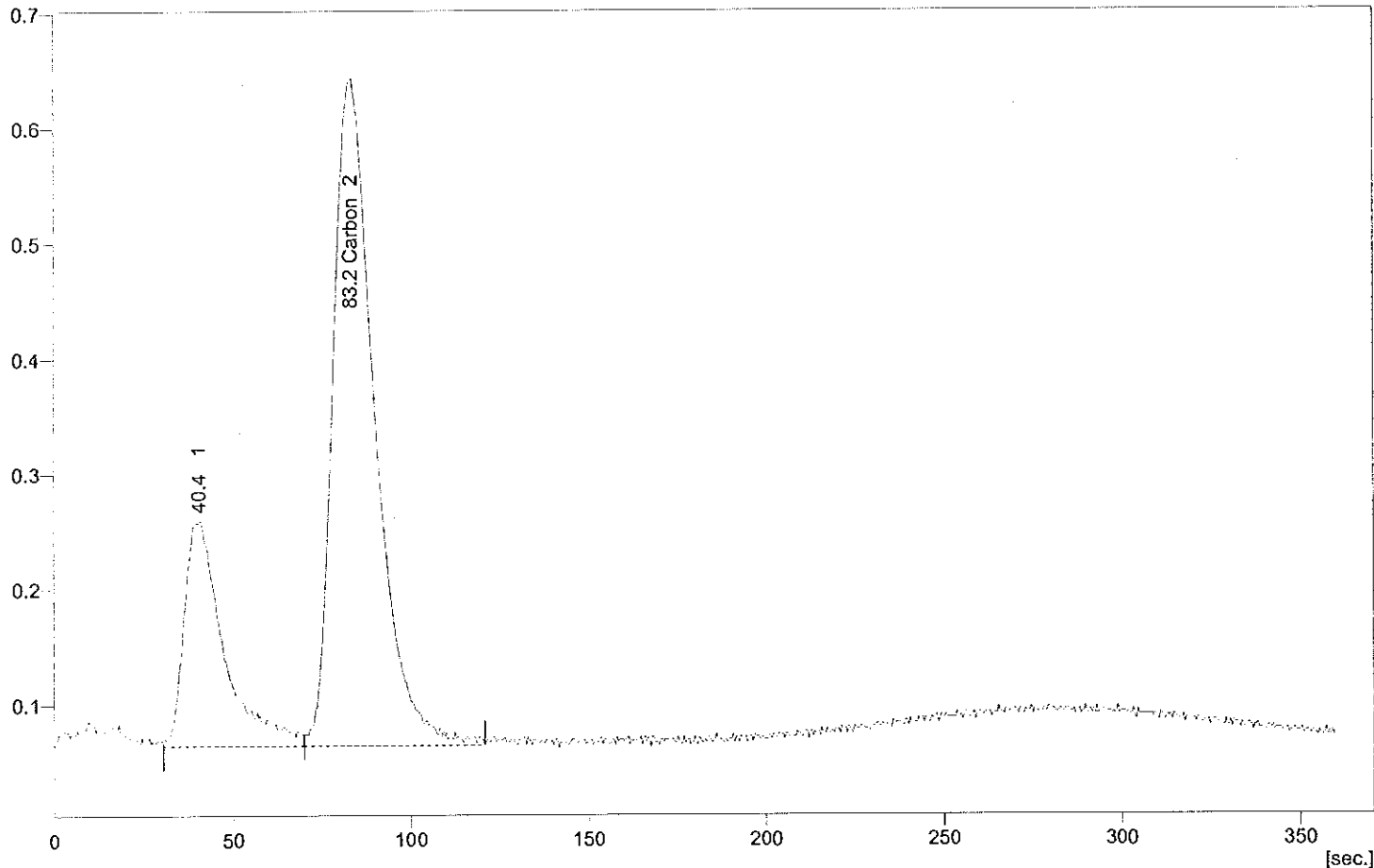
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.648	73.9	0.013	0.1258	1.0000	Refer
	Total	10.343	100.0	10.024	0.1258		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:40:33 PM
 Project : WORK2
 Weight : 10.263 mg
 Sample : 580-32803-A-41
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C034



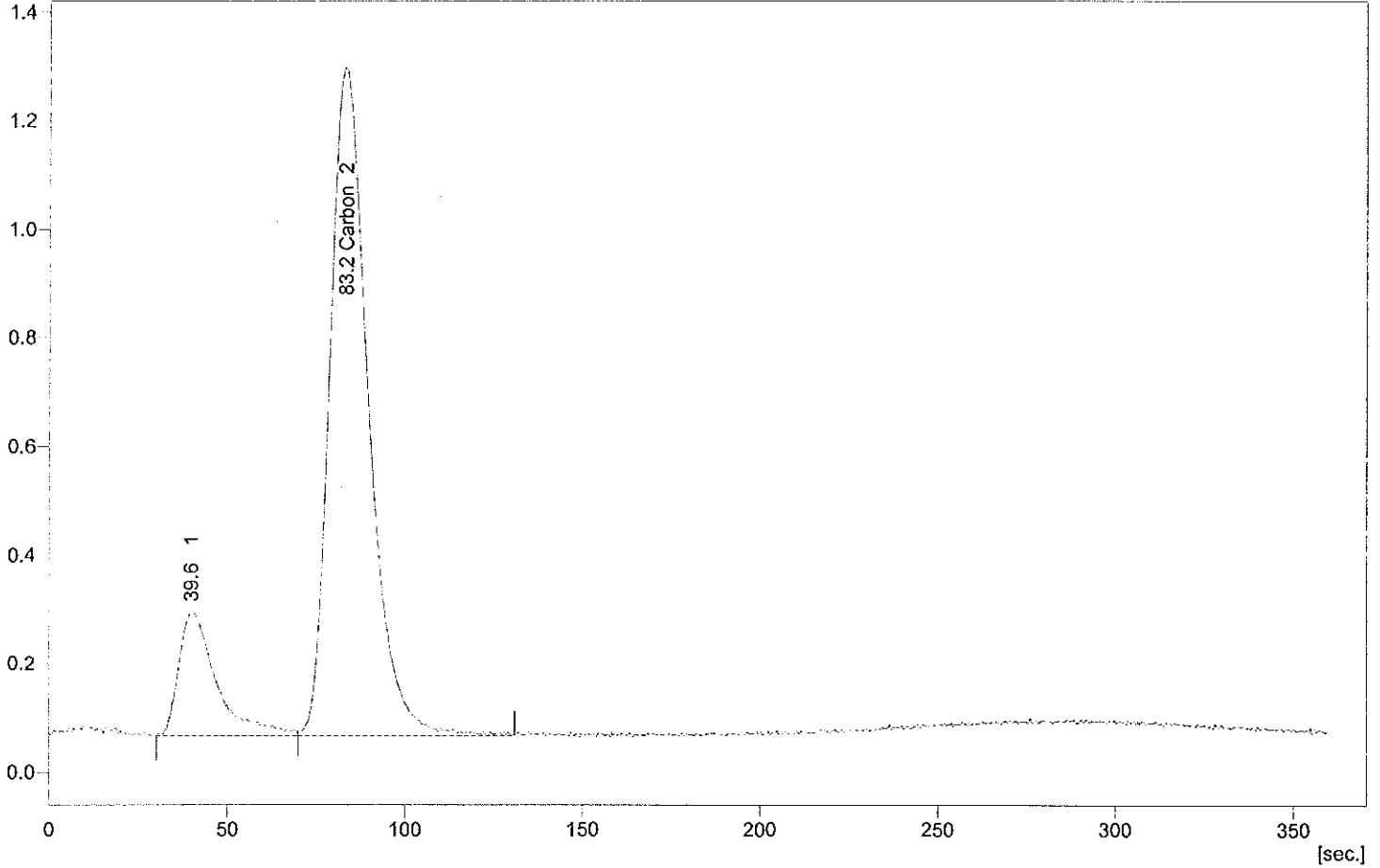
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.845	75.4	0.013	0.1255	1.0000	Refer
	Total	10.400	100.0	10.263	0.1255		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:47:16 PM
 Project : WORK2
 Weight : 9.481 mg
 Sample : 580-32803-A-42
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C035



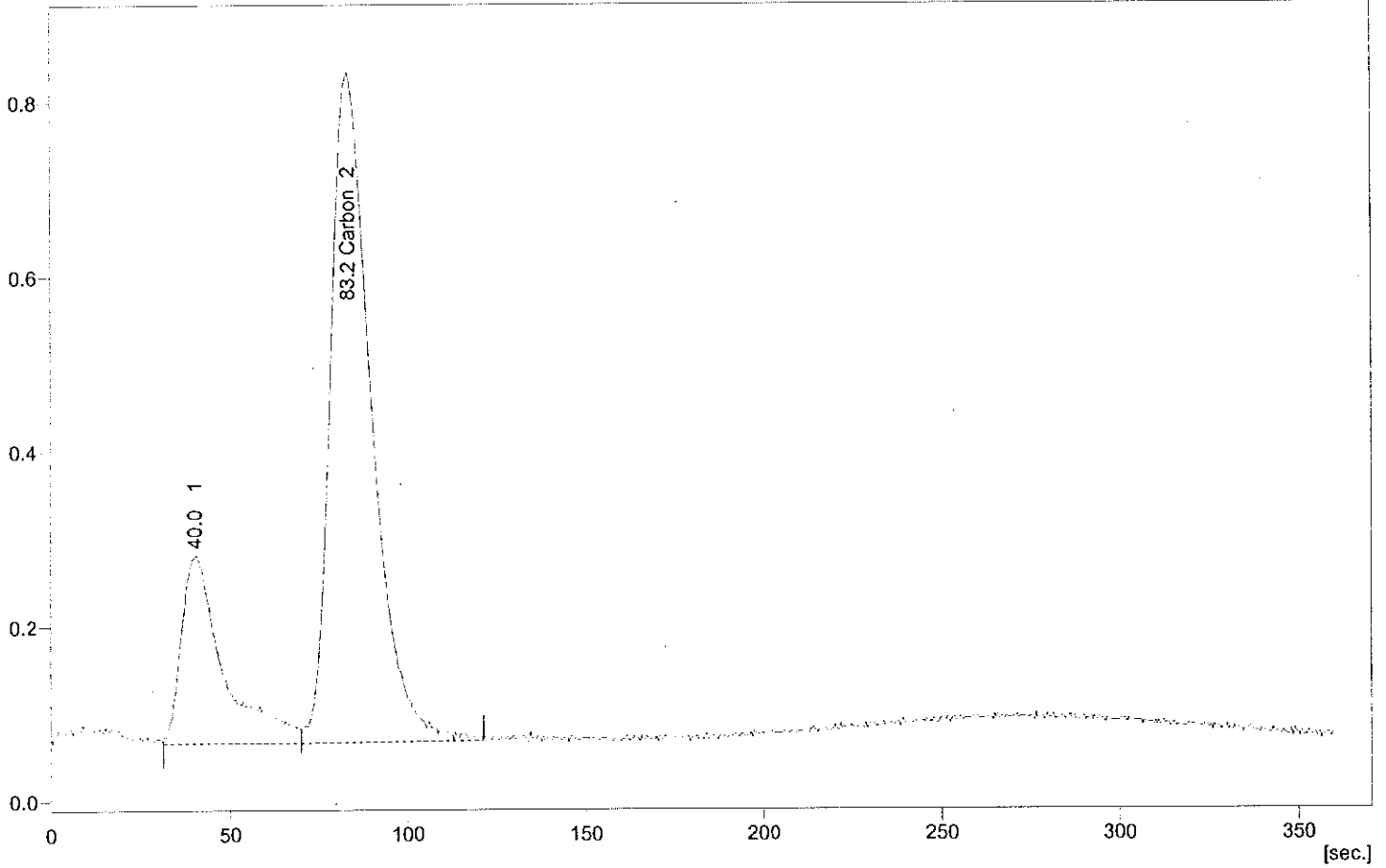
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	15.483	84.5	0.023	0.2469	1.0000	Refer
	Total	18.322	100.0	9.481	0.2469		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 6:53:59 PM
 Project : WORK2
 Weight : 9.257 mg
 Sample : 580-32803-A-42
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C036



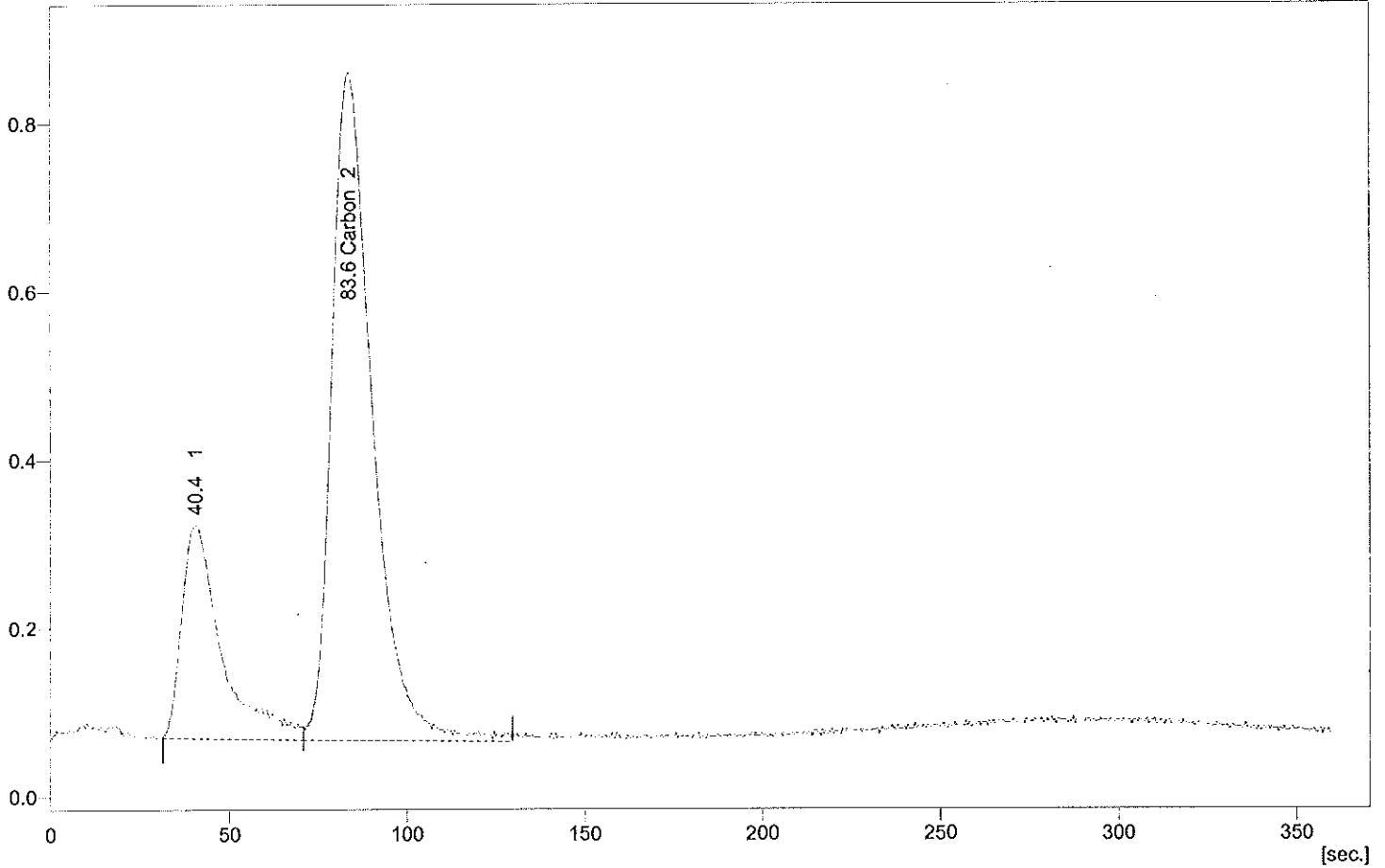
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	10.158	77.7	0.016	0.1736	1.0000	Refer
	Total	13.073	100.0	9.257	0.1736		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:00:39 PM
 Project : WORK2
 Weight : 9.567 mg
 Sample : 580-32803-A-43
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C037



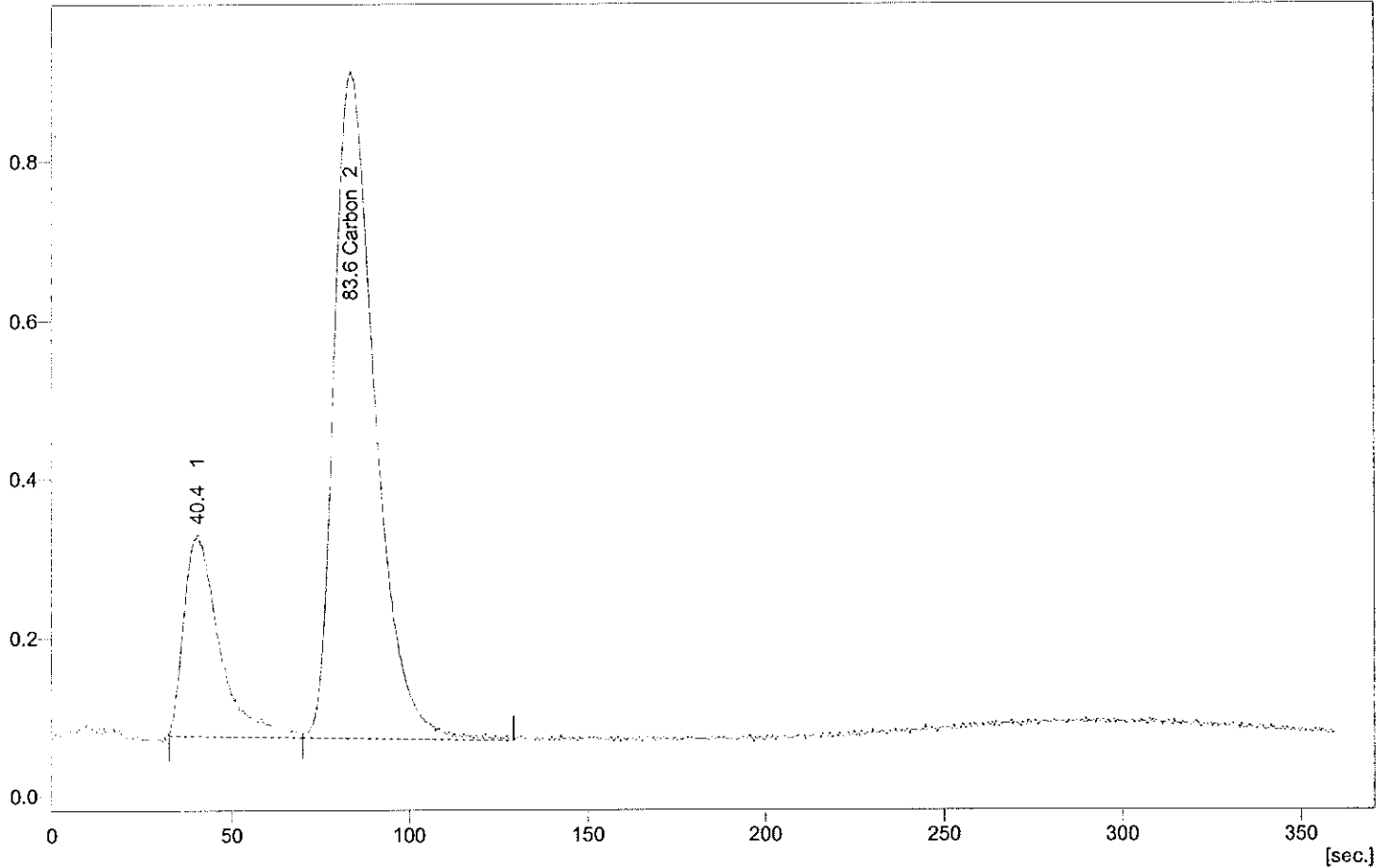
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	10.550	76.0	0.017	0.1736	1.0000	Refer
	Total	13.878	100.0	9.567	0.1736		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:07:18 PM
 Project : WORK2
 Weight : 10.256 mg
 Sample : 580-32803-A-43
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C038



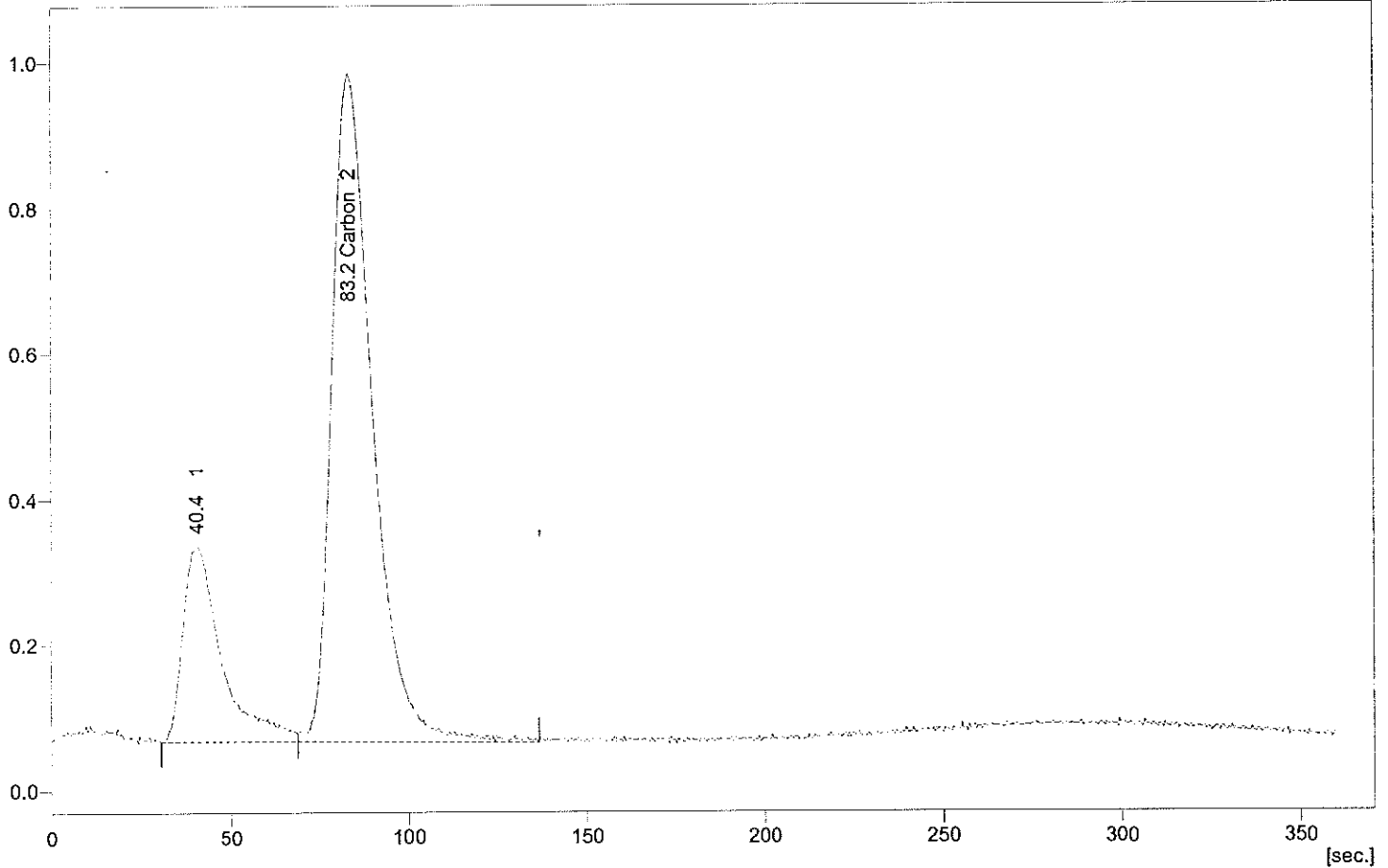
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	11.182	79.1	0.017	0.1705	1.0000	Refer
Total		14.135	100.0	10.256	0.1705		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:13:58 PM
 Project : WORK2
 Weight : 9.956 mg
 Sample : 580-32803-A-44
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C039



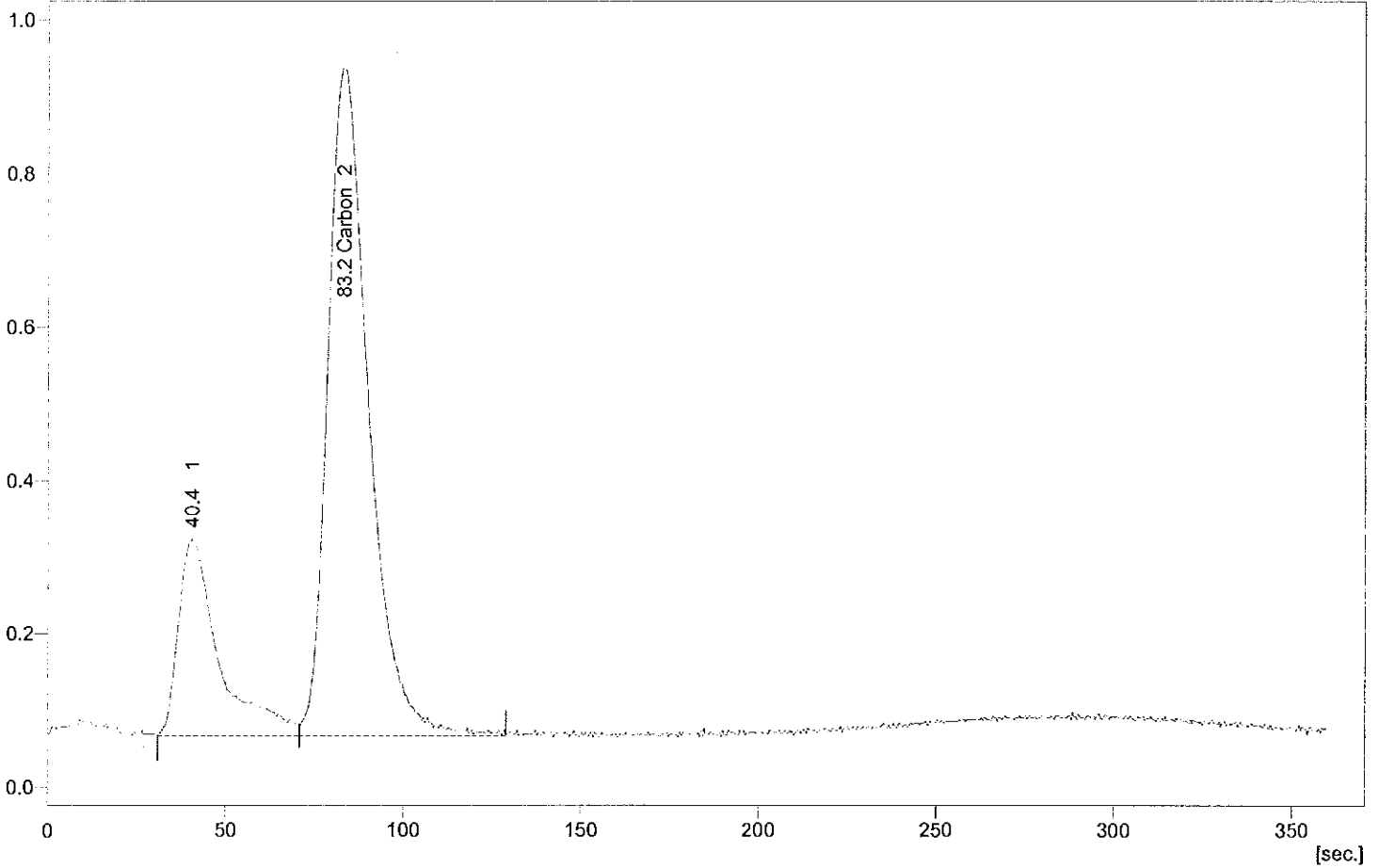
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	12.163	78.2	0.019	0.1892	1.0000	Refer
	Total	15.562	100.0	9.956	0.1892		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:20:39 PM
 Project : WORK2
 Weight : 9.336 mg
 Sample : 580-32803-A-44
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C040



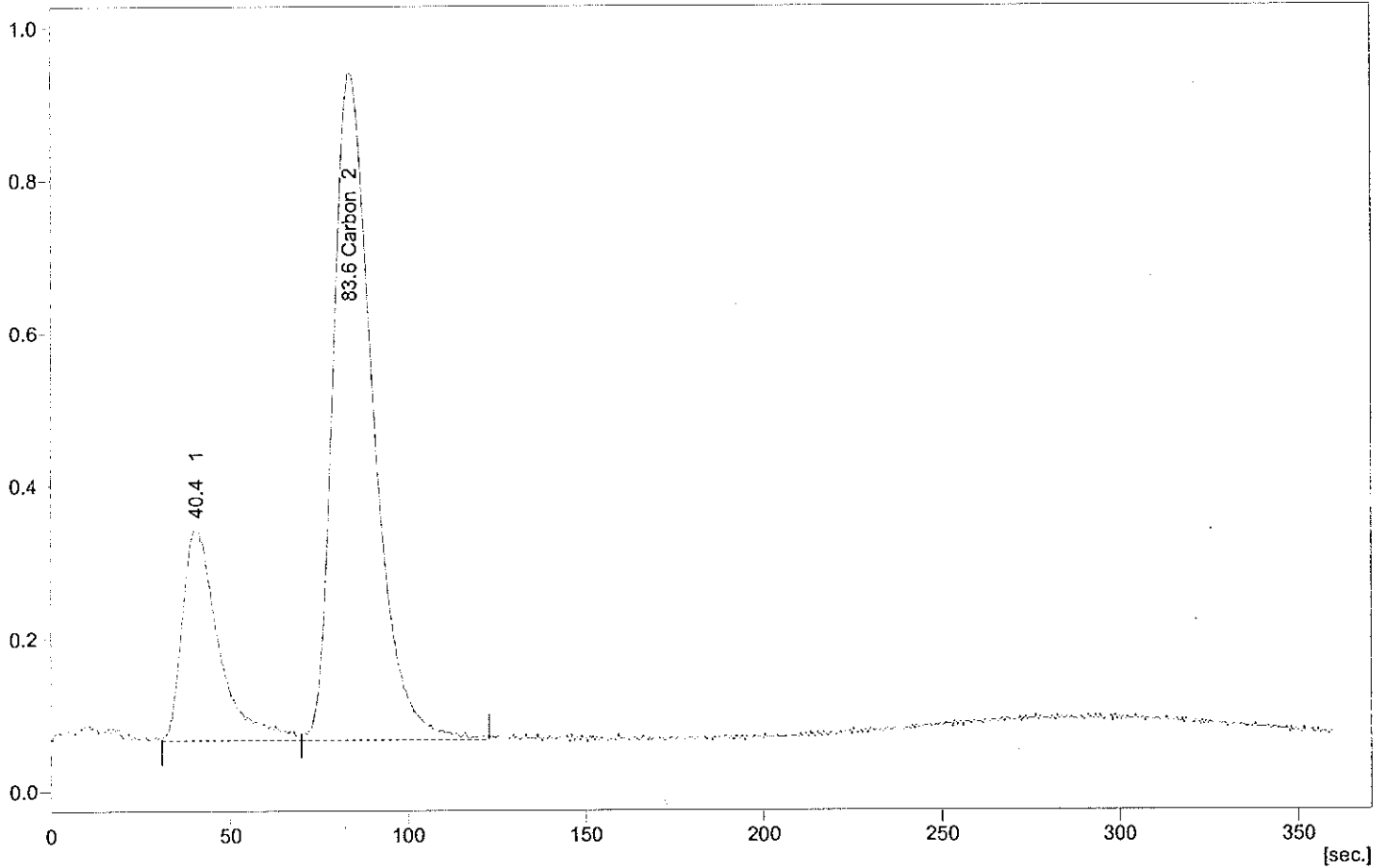
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	11.556	77.2	0.018	0.1928	1.0000	Refer
	Total	14.966	100.0	9.336	0.1928		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:27:19 PM
 Project : WORK2
 Weight : 9.77 mg
 Sample : 580-32803-A-45
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C041



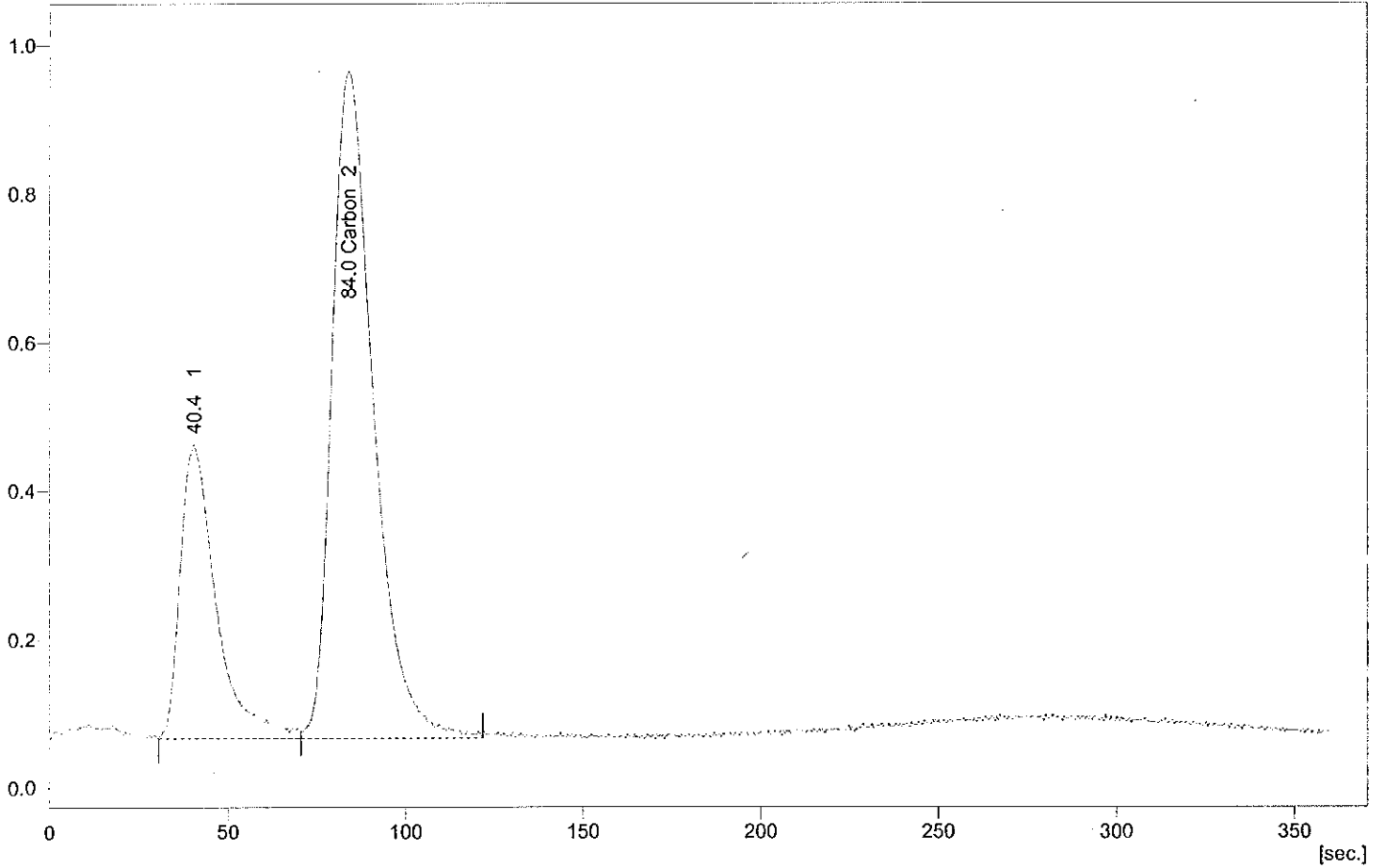
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	11.314	77.4	0.018	0.1808	1.0000	Refer
	Total	14.627	100.0	9.770	0.1808		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:34:05 PM
 Project : WORK2
 Weight : 9.35 mg
 Sample : 580-32803-A-45
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C042



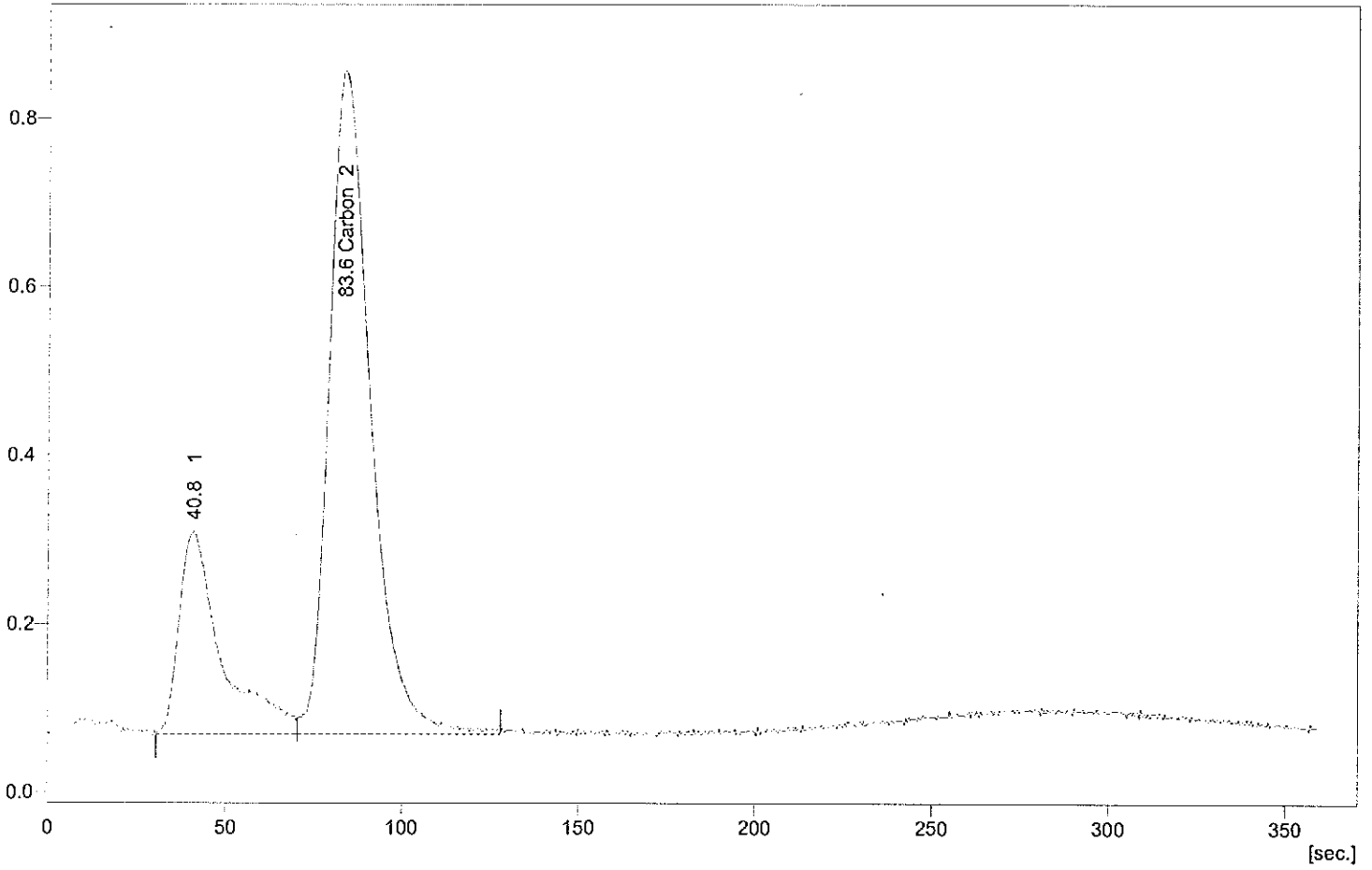
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	12.119	72.3	0.019	0.2008	1.0000	Refer
	Total	16.752	100.0	9.350	0.2008		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:40:47 PM
 Project : WORK2
 Weight : 9.806 mg
 Sample : 580-32803-A-46
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C043



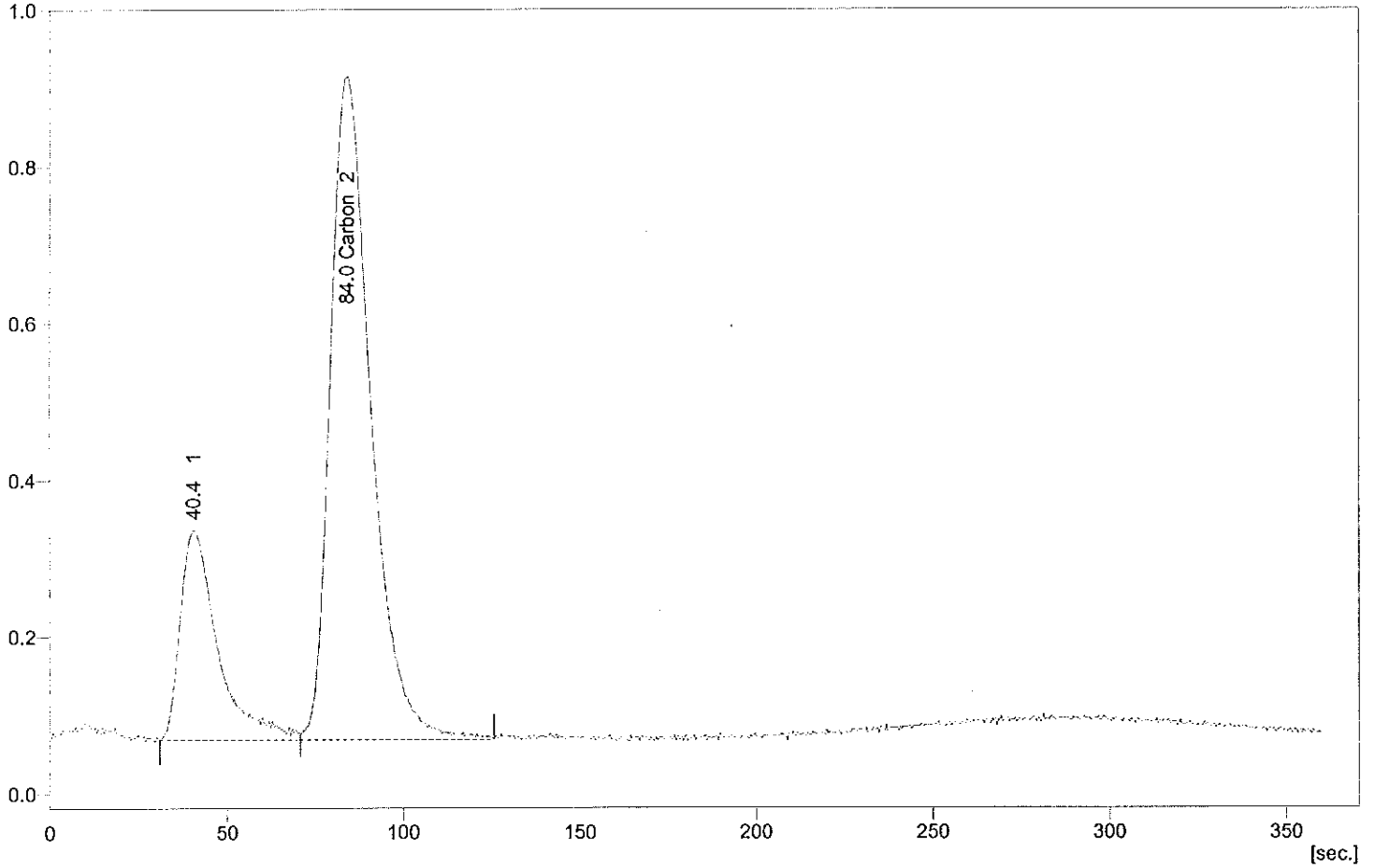
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	10.630	76.3	0.017	0.1705	1.0000	Refer
	Total	13.934	100.0	9.806	0.1705		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:47:29 PM
 Project : WORK2
 Weight : 10.025 mg
 Sample : 580-32803-A-46
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C044



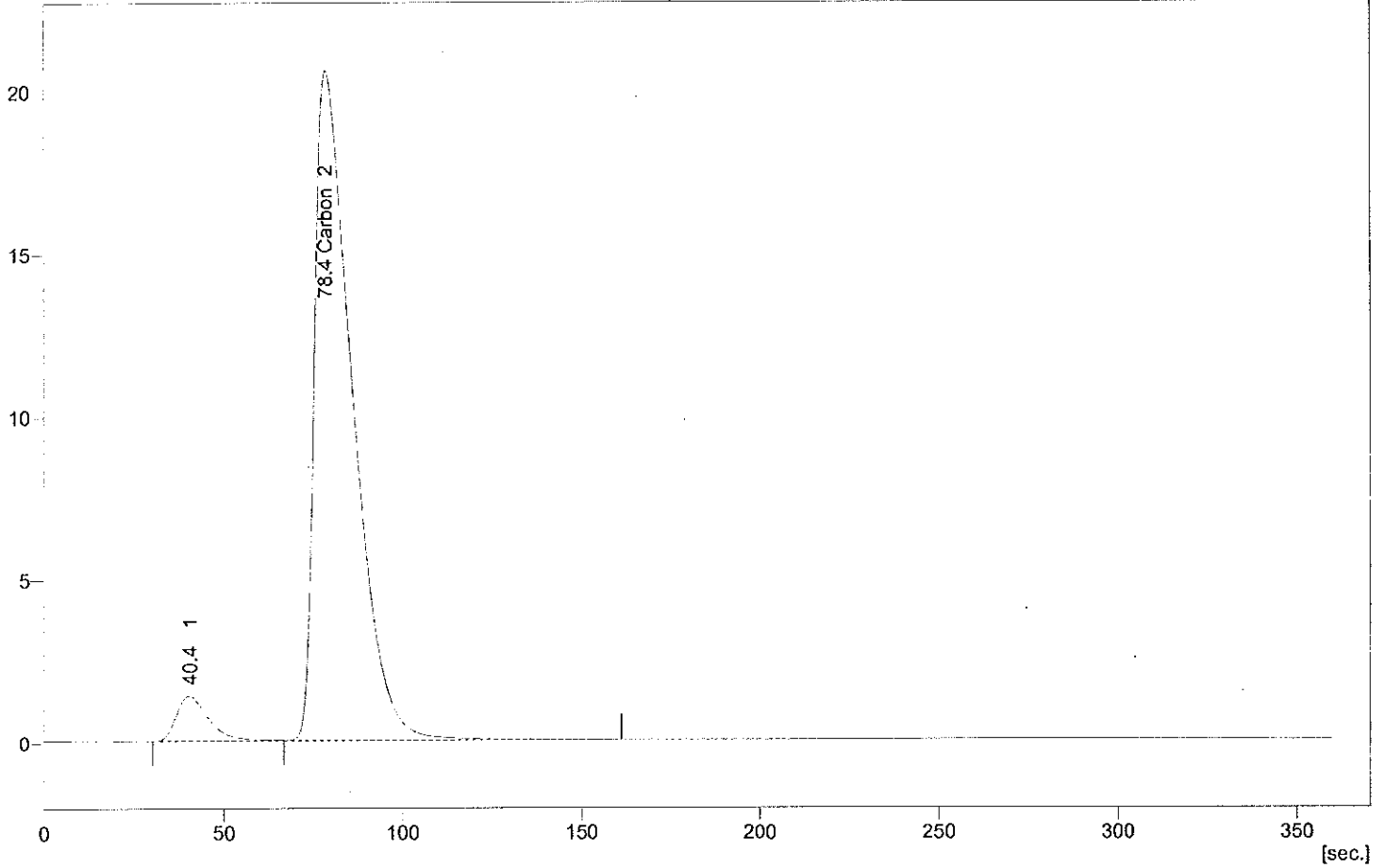
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	11.272	77.3	0.018	0.1756	1.0000	Refer
	Total	14.590	100.0	10.025	0.1756		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 7:54:12 PM
Project : WORK2
Weight : 0.46 mg
Sample : ACETANILIDE
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C045



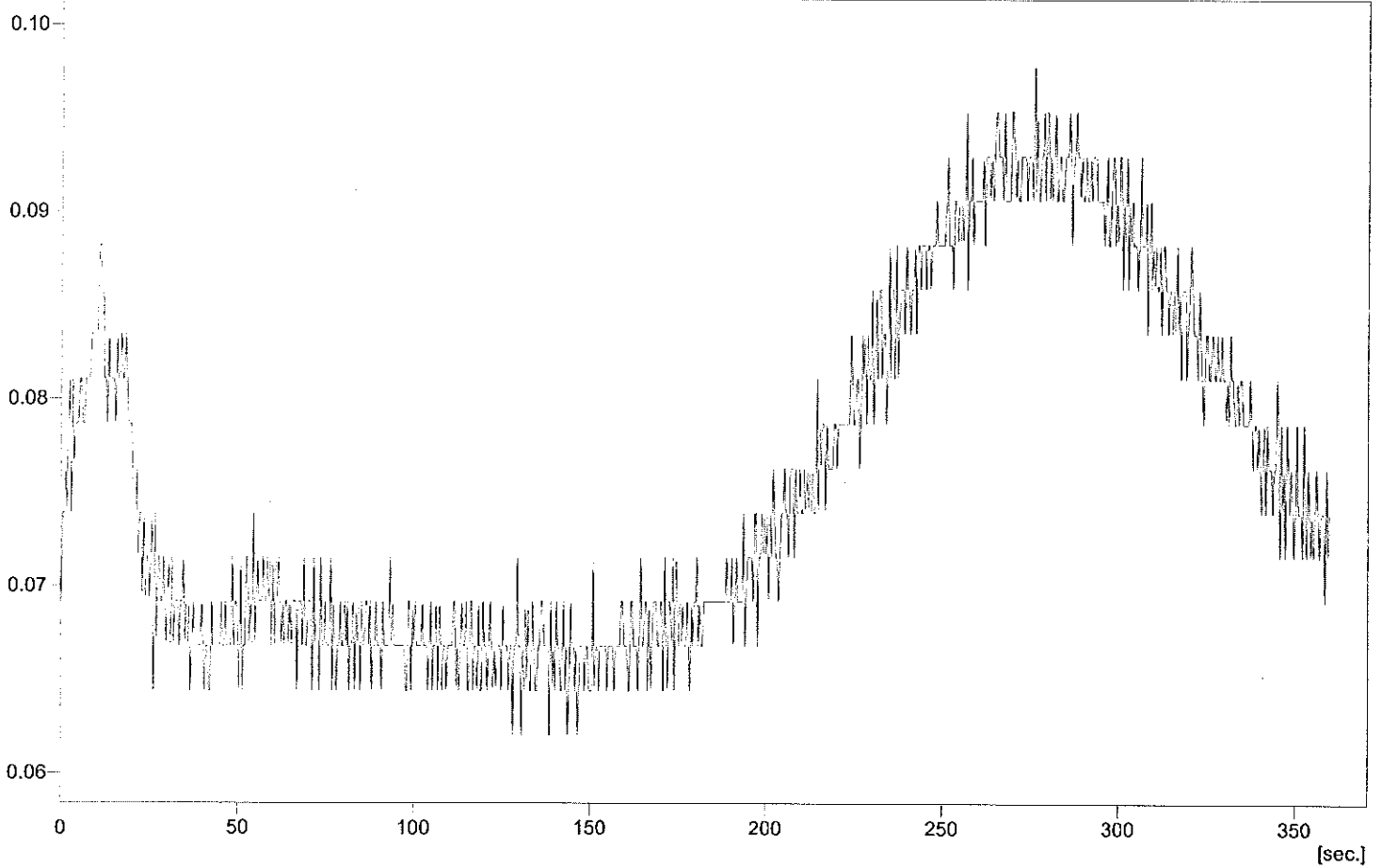
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.307	253.021	94.6	0.351	76.2369	1.0000	Refer
Total		267.499	100.0	0.460	76.2369		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:01:01 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C046



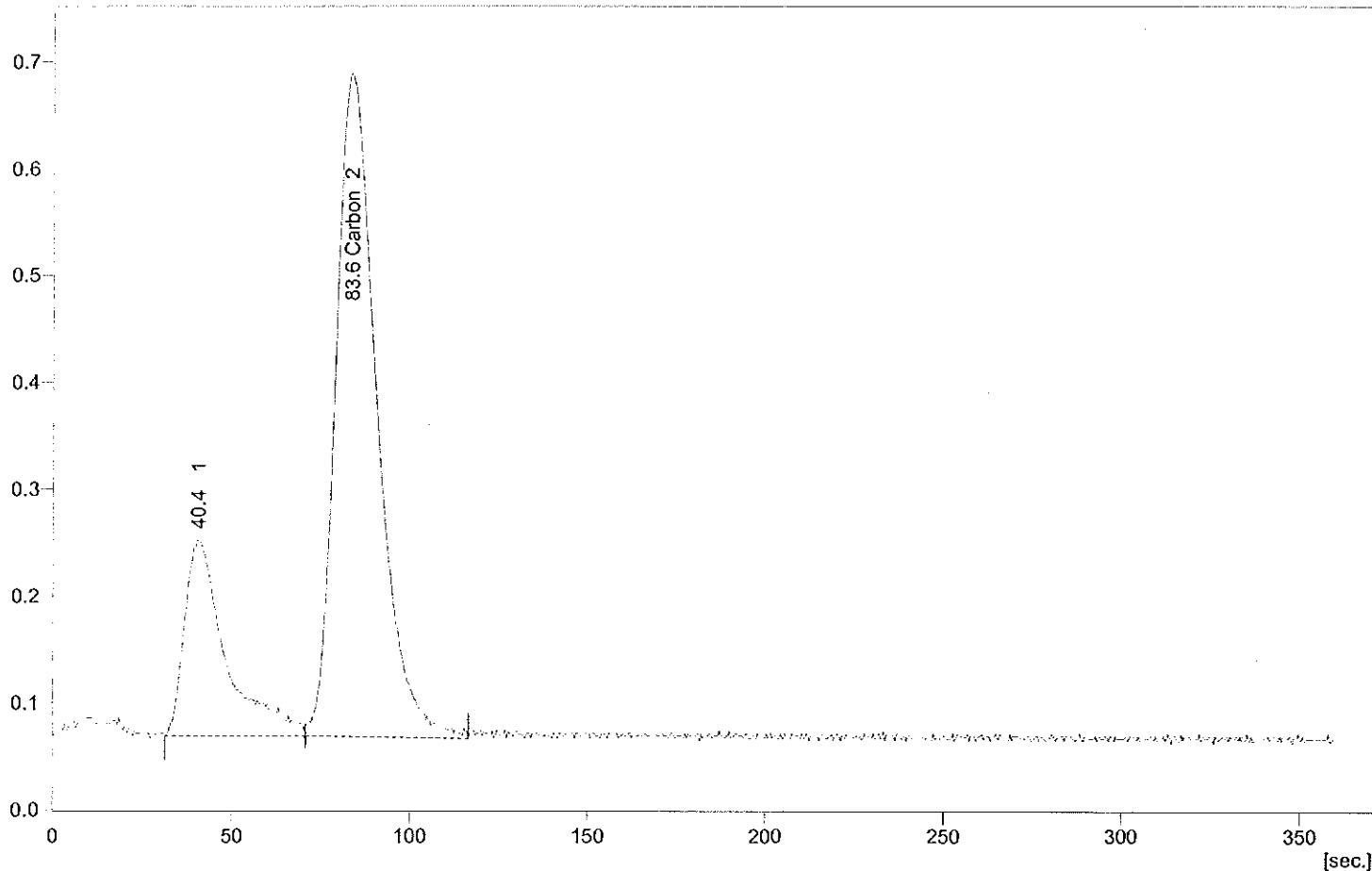
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:07:44 PM
 Project : WORK2
 Weight : 9.787 mg
 Sample : 580-32803-A-53
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C047



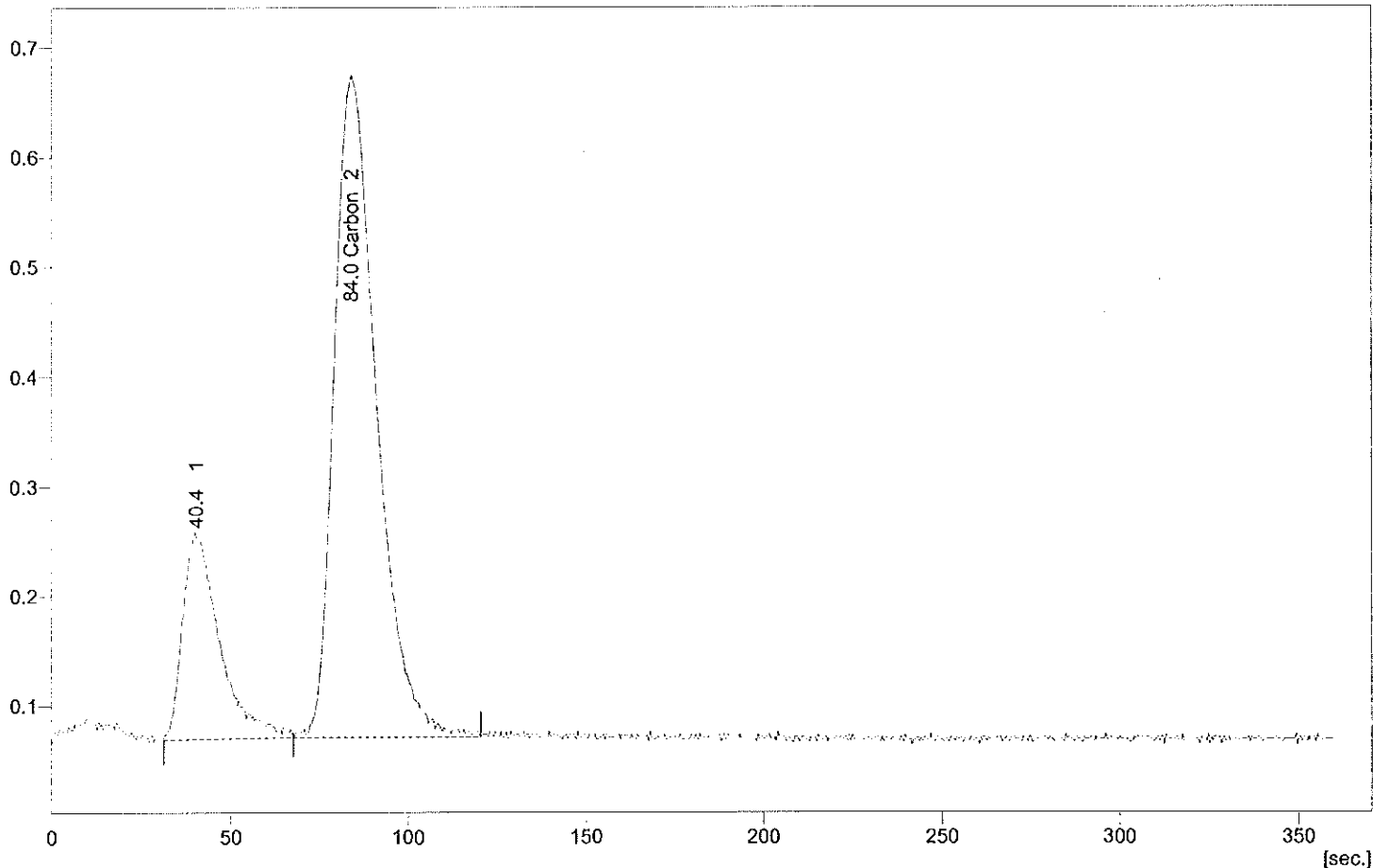
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	8.273	77.1	0.013	0.1377	1.0000	Refer
	Total	10.729	100.0	9.787	0.1377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:14:28 PM
 Project : WORK2
 Weight : 9.858 mg
 Sample : 580-32803-A-53
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C048



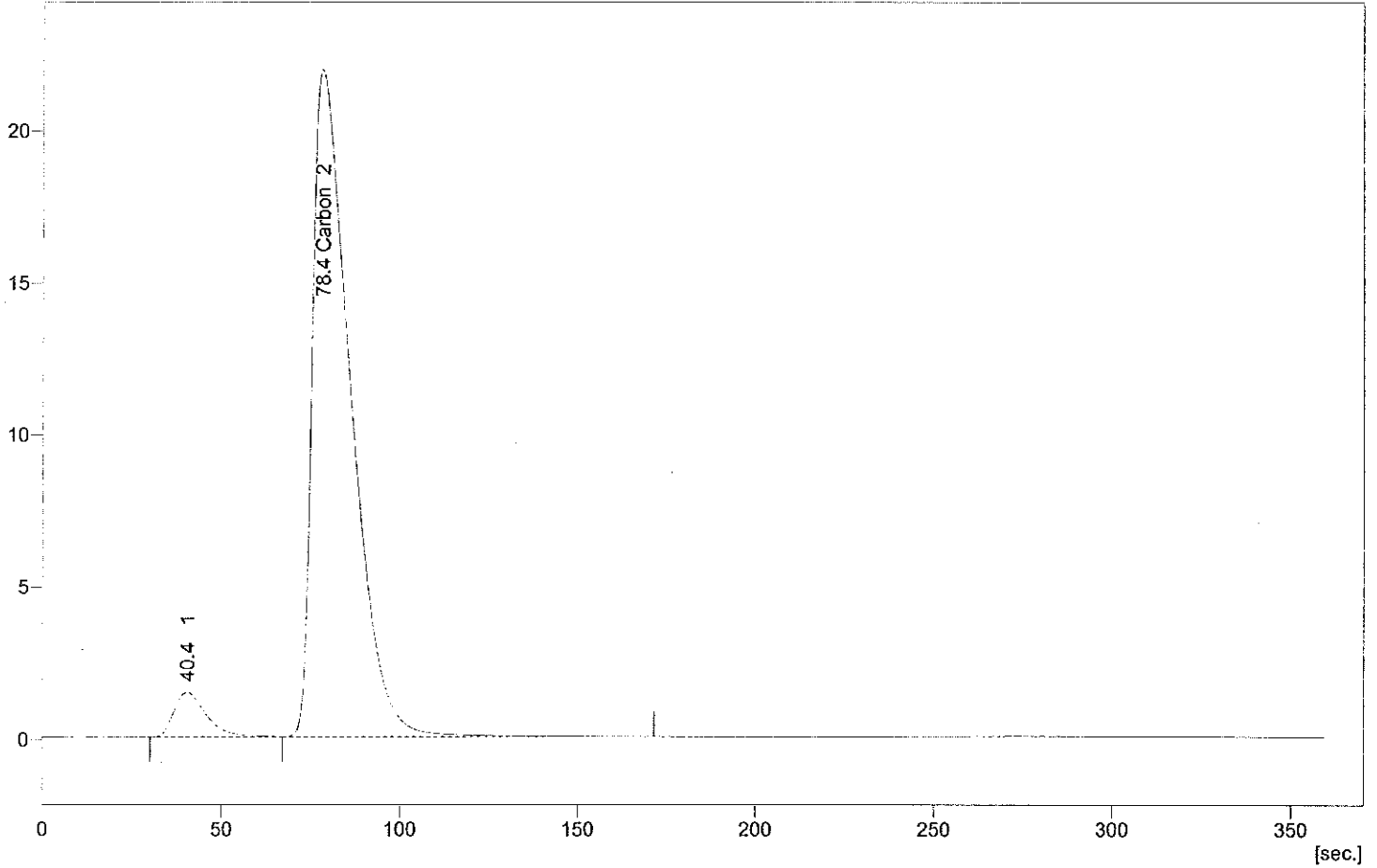
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	8.304	78.6	0.014	0.1371	1.0000	Refer
	Total	10.561	100.0	9.858	0.1371		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 8:21:13 PM
Project : WORK2
Weight : 0.544 mg
Sample : ACETANILIDE
Calibration : 052912C

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912C049



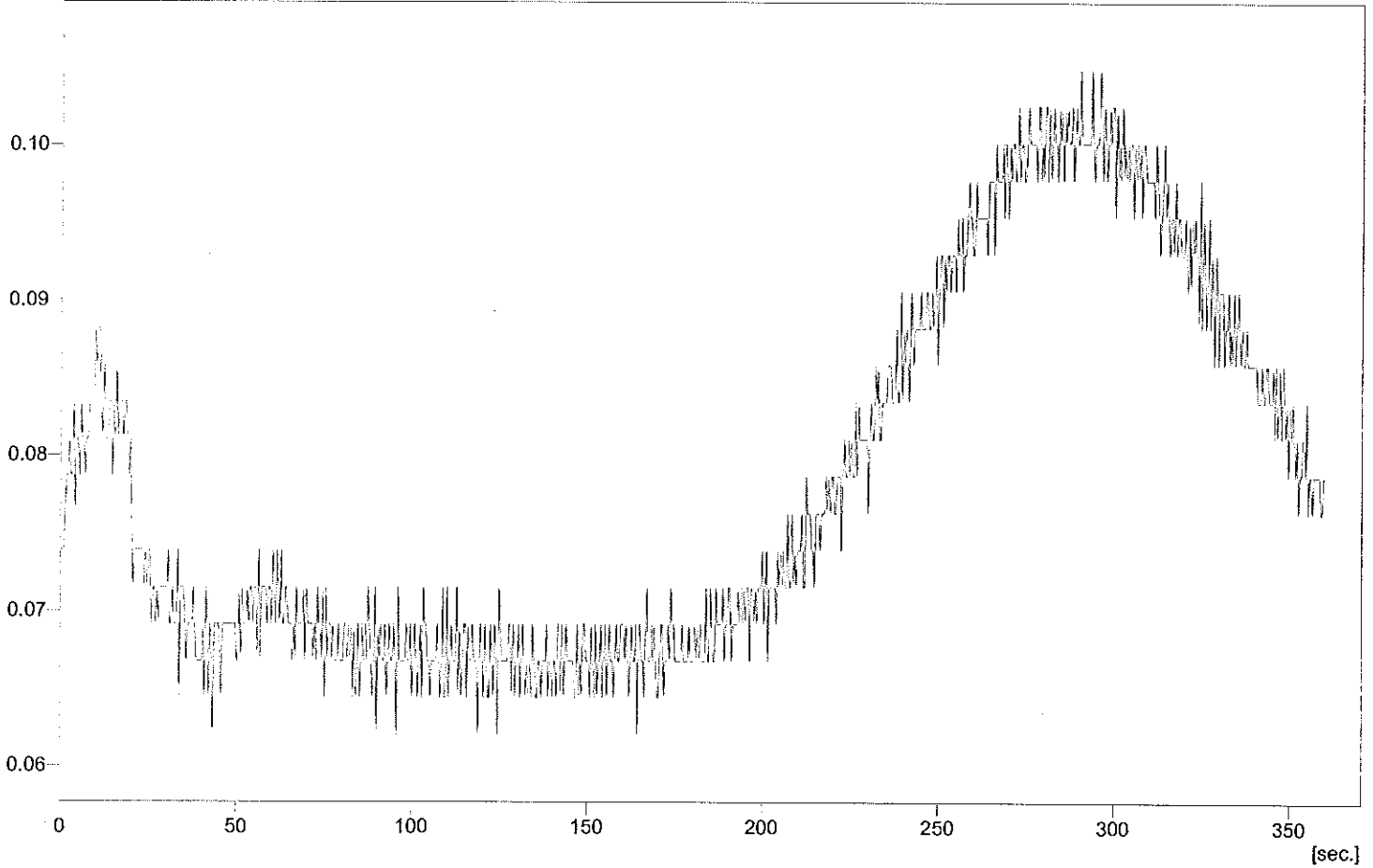
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.307	271.119	94.6	0.376	69.0488	1.0000	Refer
	Total	286.478	100.0	0.544	69.0488		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 8:27:58 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912C

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912C050



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA58-COMP-120507
 Lab Sample ID 580-32803-A-7

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/12/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Samp
	101.5	101.5
		45.9588

SHMP test

Standard ID 6/9/12
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Samp
		12.1798
		33.779
		73.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.6427	0.6427 g	98.6	Gravel	
#10	2000	0	0.2902	0.2902 g	98.0	Gravel	
#18	1000	0	0.6961	0.6961 g	96.5	Sand	Coarse
#35	500	0	1.9533	1.9533 g	92.2	Sand	Medium
#60	250	0	3.4537	3.4537 g	84.7	Sand	Medium
#120	125	0	2.2884	2.2884 g	79.7	Sand	Fine
#230	63	0	2.8554	2.8554 g	73.5	Sand	Fine
				0 g	73.5	Sand	Fine
				0 g	73.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	54.9805	55.6582	0.67558	11.295	24.5763597	48.92364	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	54.3597	54.8115	0.44968	8.19	17.82030862	31.103332	Silt	Medium
6 to 7	7.8	18	00:08:00	10	52.9215	53.2095	0.28588	5.43	11.81492989	19.288402	Silt	Fine
7 to 8	3.9	18	00:31:59	10	58.8097	58.9891	0.17728	3.03	6.592861432	12.69554	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	59.2756	59.3944	0.11668	1.915	4.16677546	8.5287649	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	54.2076	54.2881	0.07838	1.59	3.459620356	5.0691445	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.6982	51.7469	0.04658	2.329	5.067582269	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA08-COMP-120507
 Lab Sample ID 580-32803-A-10

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/14/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	114.3	114.3
		39.8313

Sample Split

Tare	Pan+Sample	Sample
		11.3623
		28.469
		71.5

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.9583	0.9583 g	97.6	Gravel	
#10	2000	0	0.3805	0.3805 g	96.6	Gravel	
#18	1000	0	0.5993	0.5993 g	95.1	Sand	Coarse
#35	500	0	1.9291	1.9291 g	90.3	Sand	Medium
#60	250	0	3.5442	3.5442 g	81.4	Sand	Medium
#120	125	0	2.4825	2.4825 g	75.2	Sand	Fine
#230	63	0	1.4684	1.4684 g	71.5	Sand	Fine
				0 g	71.5	Sand	Fine
				0 g	71.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class	
4 to 5	31.42		18 00:00:20	20	53.4312	54.0027	0.56938	10.365	26.02224883	45.477751	Silt	Coarse	
5 to 6	15.6		18 00:02:00	10	53.4947	53.8589	0.36208	6.09	15.2894834	30.188268	Silt	Medium	
6 to 7	7.8		18 00:08:00	10	53.7461	53.9885	0.24028	4.525	11.36041254	18.827855	Silt	Fine	
7 to 8	3.9		18 00:31:59	10		53.63	53.7819	0.14978	2.89	7.255600495	11.572255	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	60.6862	60.7803	0.09198	1.5	3.76588261	7.8063721	Clay	Coarse	
9 to 10	0.98		18 08:32:00	10	47.644	47.7081	0.06198	1.21	3.037811972	4.7685602	Clay	Medium	
10 to 11	0.49		18 34:06:00	10	56.5604	56.6003	0.03778	1.889	4.7425015	0	Clay	Fine	
			not defined	10									

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA06-COMP-120507
 Lab Sample ID 580-32803-A-15

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 46 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		118.2	118.2
Sample Weight (dry)			63.8479

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			32.6189
Sample <#230			31.229
% Passing #230			48.9

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0125	0.0125 g	100.0	Gravel	
#10	2000	0	0.0912	0.0912 g	99.9	Gravel	
#18	1000	0	0.5216	0.5216 g	99.1	Sand	Coarse
#35	500	0	2.6926	2.6926 g	94.9	Sand	Medium
#60	250	0	9.3415	9.3415 g	80.3	Sand	Medium
#120	125	0	11.0186	11.0186 g	63.0	Sand	Fine
#230	63	0	8.9409	8.9409 g	49.0	Sand	Fine
				0 g	49.0	Sand	Fine
				0 g	49.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	53.1101	53.7368	0.62458	14.86	23.27406226	25.625938	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	54.9591	55.2886	0.32738	4.51	7.063662235	18.562276	Silt	Medium
6 to 7	7.8	18	00:08:00	10	53.8914	54.1307	0.23718	4.22	6.60945779	11.952818	Silt	Fine
7 to 8	3.9	18	00:31:59	10	54.0182	54.1731	0.15278	2.895	4.534213341	7.4186044	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	54.2268	54.3238	0.09488	1.51	2.36499556	5.0536088	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	51.9272	51.994	0.06468	1.435	2.247528893	2.8060799	Clay	Medium
10 to 11	0.49	18	34:06:00	10	50.6053	50.6434	0.03598	1.799	2.817633783	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS39-120507
 Lab Sample ID 580-32803-A-16

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 38 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		102	102
Sample Weight (dry)			90.3719

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			60.7629
Sample <#230			29.609
% Passing #230			32.8

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	7.5239	7.5239 g	91.7	Gravel	
#10	2000	0	6.4996	6.4996 g	84.5	Gravel	
#18	1000	0	6.5482	6.5482 g	77.3	Sand	Coarse
#35	500	0	6.7515	6.7515 g	69.8	Sand	Medium
#60	250	0	7.767	7.767 g	61.2	Sand	Medium
#120	125	0	10.2077	10.2077 g	49.9	Sand	Fine
#230	63	0	15.465	15.465 g	32.8	Sand	Fine
				0 g	32.8	Sand	Fine
				0 g	32.8		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	59.6345	60.2288	0.59218	10.585	11.71271158	21.087288	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	53.9866	54.3692	0.38048	5.55	6.141289494	14.945999	Silt	Medium
6 to 7	7.8	18	00:08:00	10	59.6764	59.948	0.26948	4.8	5.311385508	9.6346134	Silt	Fine
7 to 8	3.9	18	00:31:59	10	52.0252	52.2008	0.17348	2.825	3.125971679	6.5086417	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	60.7641	60.8832	0.11698	2	2.213077295	4.2955644	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	47.394	47.4731	0.07698	1.71	1.892181087	2.4033834	Clay	Medium
10 to 11	0.49	18	34:06:00	10	62.1248	62.1697	0.04278	2.139	2.366886167	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS41-120507
 Lab Sample ID 580-32803-A-17

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 30 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	98.9	98.9
		53.8401

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		28.9261
		24.914
		46.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	4.6215	4.6215 g	91.4	Gravel	
#10	2000	0	2.9496	2.9496 g	85.9	Gravel	
#18	1000	0	1.2517	1.2517 g	83.6	Sand	Coarse
#35	500	0	2.6728	2.6728 g	78.6	Sand	Medium
#60	250	0	9.4827	9.4827 g	61.0	Sand	Medium
#120	125	0	5.254	5.254 g	51.2	Sand	Fine
#230	63	0	2.6938	2.6938 g	46.2	Sand	Fine
				0 g	46.2	Sand	Fine
				0 g	46.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	55.0451	55.5455	0.49828	8.56	15.89893035	30.40107	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	58.5362	58.8654	0.32708	4.185	7.773016766	22.628053	Silt	Medium
6 to 7	7.8		18 00:08:00	10	57.9807	58.2262	0.24338	4.255	7.903031384	14.725021	Silt	Fine
7 to 8	3.9		18 00:31:59	10	61.3746	61.535	0.15828	2.725	5.061283319	9.6637382	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	56.3146	56.4205	0.10378	1.975	3.668269561	5.9954686	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	51.0554	51.1218	0.06428	1.365	2.535285038	3.4601836	Clay	Medium
10 to 11	0.49		18 34:06:00	10	62.0715	62.1106	0.03698	1.849	3.43424325	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS40-120507
 Lab Sample ID 580-32803-A-18

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 40 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		112	112
Sample Weight (dry)			49.6483

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			15.8343
Sample <#230			33.814
% Passing #230			68.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.2905	0.2905 g	99.4	Gravel	
#10	2000	0	0.2339	0.2339 g	98.9	Gravel	
#18	1000	0	0.1969	0.1969 g	98.5	Sand	Coarse
#35	500	0	0.4706	0.4706 g	97.6	Sand	Medium
#60	250	0	1.9615	1.9615 g	93.6	Sand	Medium
#120	125	0	5.891	5.891 g	81.7	Sand	Fine
#230	63	0	6.7899	6.7899 g	68.0	Sand	Fine
				0 g	68.0	Sand	Fine
				0 g	68.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	52.7584	53.4368	0.67628	13	26.18417952	41.91582	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	50.7561	51.1745	0.41628	4.84	9.748571452	32.167249	Silt	Medium
6 to 7	7.8	18	00:08:00	10	58.7911	59.1127	0.31948	6.06	12.20585599	19.961393	Silt	Fine
7 to 8	3.9	18	00:31:59	10	62.3086	62.509	0.19828	3.725	7.502774516	12.458619	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	56.8871	57.013	0.12378	2.355	4.743364828	7.7152537	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	57.0639	57.1427	0.07668	1.775	3.575147588	4.1401061	Clay	Medium
10 to 11	0.49	18	34:06:00	10	58.0328	58.0761	0.04118	2.059	4.147171202	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS43-120507
 Lab Sample ID 580-32803-A-19

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 39 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	95.6	95.6
		46.2638

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		16.0598
		30.204
		65.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.5987	0.5987 g	98.7	Gravel	
#10	2000	0	0.122	0.122 g	98.4	Gravel	
#18	1000	0	0.1266	0.1266 g	98.1	Sand	Coarse
#35	500	0	0.3025	0.3025 g	97.4	Sand	Medium
#60	250	0	1.0533	1.0533 g	95.1	Sand	Medium
#120	125	0	3.0263	3.0263 g	88.6	Sand	Fine
#230	63	0	10.8304	10.8304 g	65.2	Sand	Fine
				0 g	65.2	Sand	Fine
				0 g	65.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	61.1782	61.7844	0.60408	14.045	30.35850924	34.941491	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	61.4347	61.76	0.32318	4.455	9.62955918	25.311932	Silt	Medium
6 to 7	7.8	18	00:08:00	10	57.1233	57.3595	0.23408	3.875	8.375879197	16.936052	Silt	Fine
7 to 8	3.9	18	00:31:59	10	58.3418	58.5005	0.15658	2.775	5.998210264	10.937842	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	57.2908	57.394	0.10108	1.675	3.62054133	7.3173008	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	46.5821	46.6518	0.06758	1.435	3.101777199	4.2155236	Clay	Medium
10 to 11	0.49	18	34:06:00	10	49.2137	49.2547	0.03888	1.944	4.20198946	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-SS42-120507
 Lab Sample ID 580-32803-A-20

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 37 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		116.3	116.3
Sample Weight (dry)			43.8775

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			1.1185
Sample <#230			42.759
% Passing #230			97.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0656	0.0656 g	99.9	Gravel	
#10	2000	0	0.0328	0.0328 g	99.8	Gravel	
#18	1000	0	0.0669	0.0669 g	99.6	Sand	Coarse
#35	500	0	0.07	0.07 g	99.4	Sand	Medium
#60	250	0	0.1167	0.1167 g	99.1	Sand	Medium
#120	125	0	0.2878	0.2878 g	98.4	Sand	Fine
#230	63	0	0.4787	0.4787 g	97.3	Sand	Fine
				0 g	97.3	Sand	Fine
				0 g			
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42		18 00:00:20	20	52.0929	52.9502	0.85518	23.655	53.91145804	43.588542	Silt	Coarse
5 to 6	15.6		18 00:02:00	10	54.3386	54.7228	0.38208	5.95	13.56048088	30.028061	Silt	Medium
6 to 7	7.8		18 00:08:00	10	53.3464	53.6116	0.26308	4.74	10.80280326	19.225258	Silt	Fine
7 to 8	3.9		18 00:31:59	10	61.3733	61.5437	0.16828	3.01	6.860007977	12.36525	Silt	Very Fine
8 to 9	1.95		18 02:08:00	10	56.9178	57.028	0.10808	1.9	4.330237593	8.0350123	Clay	Coarse
9 to 10	0.98		18 08:32:00	10	61.0747	61.1469	0.07008	1.655	3.771864851	4.2631474	Clay	Medium
10 to 11	0.49		18 34:06:00	10	59.549	59.5881	0.03698	1.849	4.2140049	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA10-COMP-120507
 Lab Sample ID 580-32803-A-21

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 37 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Samp
	114.6	114.6
		55.7478

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Samp
		20.9888
		34.759
		62.4

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	1.365	1.365 g	97.6	Gravel	
#10	2000	0	0.6301	0.6301 g	96.5	Gravel	
#18	1000	0	0.4723	0.4723 g	95.7	Sand	Coarse
#35	500	0	0.9533	0.9533 g	94.0	Sand	Medium
#60	250	0	3.4083	3.4083 g	87.9	Sand	Medium
#120	125	0	4.1812	4.1812 g	80.4	Sand	Fine
#230	63	0	9.9786	9.9786 g	62.5	Sand	Fine
				0 g	62.5	Sand	Fine
				0 g	62.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	54.5359	55.2332	0.69518	15.21	27.28358787	35.116412	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	52.331	52.7241	0.39098	5.495	9.856891214	25.259521	Silt	Medium
6 to 7	7.8	18	00:08:00	10	53.5786	53.8618	0.28108	5.285	9.480194734	15.779326	Silt	Fine
7 to 8	3.9	18	00:31:59	10	53.8854	54.0629	0.17538	2.88	5.166123147	10.613203	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	52.2637	52.3836	0.11778	2.075	3.722119976	6.8910831	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	58.5869	58.6653	0.07628	1.82	3.264702822	3.6263802	Clay	Medium
10 to 11	0.49	18	34:06:00	10	60.0987	60.1407	0.03988	1.994	3.576822763	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA07-COMP-120507
 Lab Sample ID 580-32803-A-26

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 41 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		107.9	107.9
Sample Weight (dry)			50.6022

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			18.7832
Sample <#230			31.819
% Passing #230			62.9

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	3.1023	3.1023 g	93.9	Gravel	
#10	2000	0	1.0504	1.0504 g	91.8	Gravel	
#18	1000	0	0.759	0.759 g	90.3	Sand	Coarse
#35	500	0	1.0592	1.0592 g	88.2	Sand	Medium
#60	250	0	3.7036	3.7036 g	80.9	Sand	Medium
#120	125	0	5.1794	5.1794 g	70.7	Sand	Fine
#230	63	0	3.9293	3.9293 g	62.9	Sand	Fine
				0 g	62.9	Sand	Fine
				0 g	62.9		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	52.9036	53.5421	0.63638	12.77	25.23605693	37.663943	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	60.3621	60.7452	0.38098	5.165	10.2070661	27.456877	Silt	Medium
6 to 7	7.8	18	00:08:00	10	53.658	53.9378	0.27768	5.06	9.99565236	17.457312	Silt	Fine
7 to 8	3.9	18	00:31:59	10	65.5956	65.7742	0.17648	2.945	5.819905063	11.637407	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	53.5618	53.6815	0.11758	1.83	3.616443554	8.0209631	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	59.6495	59.7326	0.08098	1.69	3.339775741	4.6811874	Clay	Medium
10 to 11	0.49	18	34:06:00	10	53.8608	53.9101	0.04718	2.359	4.661852647	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA03-COMP-120507
 Lab Sample ID 580-32803-A-30

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 57 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Samp
Sample Weight (Wet)		103.3	103.3
Sample Weight (dry)			37.0967

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Samp
Sample >=#230			4.7077
Sample <#230			32.389
% Passing #230			87.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.1644	0.1644 g	99.6	Gravel	
#18	1000	0	0.3936	0.3936 g	98.5	Sand	Coarse
#35	500	0	0.7172	0.7172 g	96.6	Sand	Medium
#60	250	0	0.7738	0.7738 g	94.5	Sand	Medium
#120	125	0	0.7935	0.7935 g	92.4	Sand	Fine
#230	63	0	1.8652	1.8652 g	87.4	Sand	Fine
				0 g	87.4	Sand	Fine
				0 g	87.4		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	53.9469	54.5968	0.64778	15.645	42.17356261	45.126437	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	49.6816	50.0186	0.33488	4.845	13.0604609	32.065976	Silt	Medium
6 to 7	7.8	18	00:08:00	10	55.2431	55.4832	0.23798	4.15	11.1869789	20.878998	Silt	Fine
7 to 8	3.9	18	00:31:59	10	59.1063	59.2634	0.15498	2.47	6.658274186	14.220723	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	54.5747	54.6824	0.10558	1.68	4.52870471	9.6920187	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	49.5201	49.5942	0.07198	1.47	3.962616621	5.7294021	Clay	Medium
10 to 11	0.49	18	34:06:00	10	53.7057	53.7504	0.04258	2.129	5.739054956	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA02-COMP-120507
 Lab Sample ID 580-32803-A-36

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 57 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		100.8	100.8
Sample Weight (dry)			35.1836

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			2.7096
Sample <#230			32.474
% Passing #230			92.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.0582	0.0582 g	99.8	Gravel	
#10	2000	0	0.097	0.097 g	99.5	Gravel	
#18	1000	0	0.3234	0.3234 g	98.6	Sand	Coarse
#35	500	0	0.5128	0.5128 g	97.1	Sand	Medium
#60	250	0	0.671	0.671 g	95.2	Sand	Medium
#120	125	0	0.5093	0.5093 g	93.8	Sand	Fine
#230	63	0	0.5379	0.5379 g	92.3	Sand	Fine
				0 g	92.3	Sand	Fine
				0 g	92.3		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	58.5613	59.2129	0.64948	16.04	45.58942234	46.710578	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	60.2313	60.5621	0.32868	4.925	13.99799907	32.712579	Silt	Medium
6 to 7	7.8	18	00:08:00	10	61.8478	62.0801	0.23018	4.59	13.04585091	19.666728	Silt	Fine
7 to 8	3.9	18	00:31:59	10	54.5402	54.6807	0.13838	2.35	6.679248286	12.987479	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	51.2748	51.3683	0.09138	1.565	4.448095135	8.5393843	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	54.1324	54.1946	0.06008	-16.93	-48.11900999	56.658394	Clay	Medium
10 to 11	0.49	18	34:06:00	10	61.4824	61.8832	0.39868	19.934	56.65707887	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA04-COMP-120507
 Lab Sample ID 580-32803-A-41

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 35 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		105.9	105.9
Sample Weight (dry)			56.5911

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			31.5121
Sample <#230			25.079
% Passing #230			44.3

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	1.8104	1.8104 g	96.8	Gravel	
#10	2000	0	0.3987	0.3987 g	96.1	Gravel	
#18	1000	0	0.3986	0.3986 g	95.4	Sand	Coarse
#35	500	0	3.0067	3.0067 g	90.1	Sand	Medium
#60	250	0	10.6588	10.6588 g	71.3	Sand	Medium
#120	125	0	6.0121	6.0121 g	60.7	Sand	Fine
#230	63	0	9.2268	9.2268 g	44.4	Sand	Fine
				0 g	44.4	Sand	Fine
				0 g	44.4		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	50.7832	51.2869	0.50158	11.095	19.60555635	24.694444	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	61.9905	62.2723	0.27968	2.89	5.106810081	19.587634	Silt	Medium
6 to 7	7.8	18	00:08:00	10	55.4502	55.6742	0.22188	3.275	5.787129072	13.800504	Silt	Fine
7 to 8	3.9	18	00:31:59	10	60.6877	60.8462	0.15638	2.555	4.514844207	9.2856603	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	52.9668	53.0742	0.10528	1.91	3.375089016	5.9105713	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	59.9456	60.0148	0.06708	1.535	2.712440649	3.1981306	Clay	Medium
10 to 11	0.49	18	34:06:00	10	53.0617	53.1002	0.03638	1.819	3.214286345	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS03-120507
 Lab Sample ID 580-32803-A-42

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 41 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		101.1	101.1
Sample Weight (dry)			54.0893

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			28.3553
Sample <#230			25.734
% Passing #230			47.6

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	13.4175	13.4175 g	75.2	Gravel	
#10	2000	0	4.2349	4.2349 g	67.4	Gravel	
#18	1000	0	2.2844	2.2844 g	63.2	Sand	Coarse
#35	500	0	2.3231	2.3231 g	58.9	Sand	Medium
#60	250	0	3.3869	3.3869 g	52.6	Sand	Medium
#120	125	0	2.0943	2.0943 g	48.7	Sand	Fine
#230	63	0	0.6142	0.6142 g	47.6	Sand	Fine
				0 g	47.6	Sand	Fine
				0 g	47.6		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	51.513	52.0298	0.51468	8.72	16.12148798	31.478512	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	59.9795	60.3219	0.34028	3.875	7.164078663	24.314433	Silt	Medium
6 to 7	7.8	18	00:08:00	10	52.4815	52.7464	0.26278	5.025	9.29019233	15.024241	Silt	Fine
7 to 8	3.9	18	00:31:59	10	59.8898	60.0542	0.16228	3.385	6.258169361	8.7660717	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	53.9969	54.0936	0.09458	2.155	3.984152134	4.7819195	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	50.3486	50.4022	0.05148	1.115	2.06140586	2.7205137	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.6685	51.6998	0.02918	1.459	2.697391166	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS04-120507
 Lab Sample ID 580-32803-A-43

Date Received 5/7/2012
 Start Date 6/7/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 51 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		103.8	103.8
Sample Weight (dry)			35.0356

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			1.1666
Sample <#230			33.869
% Passing #230			96.7

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.1201	0.1201 g	99.7	Gravel	
#18	1000	0	0.1268	0.1268 g	99.3	Sand	Coarse
#35	500	0	0.1775	0.1775 g	98.8	Sand	Medium
#60	250	0	0.2536	0.2536 g	98.1	Sand	Medium
#120	125	0	0.1748	0.1748 g	97.6	Sand	Fine
#230	63	0	0.3138	0.3138 g	96.7	Sand	Fine
				0 g	96.7	Sand	Fine
				0 g	96.7		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	18	00:00:20	20	53.3874	54.0669	0.67738	14.86	42.41400176	54.285998	Silt	Coarse
5 to 6	15.6	18	00:02:00	10	52.7521	53.1344	0.38018	5.1	14.55662241	39.729376	Silt	Medium
6 to 7	7.8	18	00:08:00	10	54.0288	54.3091	0.27818	5.365	15.31299592	24.41638	Silt	Fine
7 to 8	3.9	18	00:31:59	10	48.6004	48.7734	0.17088	3.45	9.847126922	14.569253	Silt	Very Fine
8 to 9	1.95	18	02:08:00	10	54.0117	54.1157	0.10188	1.93	5.508682597	9.0605704	Clay	Coarse
9 to 10	0.98	18	08:32:00	10	52.7114	52.7768	0.06328	1.42	4.053020356	5.00755	Clay	Medium
10 to 11	0.49	18	34:06:00	10	51.5059	51.5429	0.03488	1.744	4.977794015	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS01-120507
 Lab Sample ID 580-32803-A-44

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 62 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	80.5	80.5
		30.2053

Sample Split

Tare	Pan+Sample	Sample
		1.3913
		28.814
		95.4

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.2793	0.2793 g	99.1	Gravel	
#18	1000	0	0.3589	0.3589 g	97.9	Sand	Coarse
#35	500	0	0.1946	0.1946 g	97.3	Sand	Medium
#60	250	0	0.1968	0.1968 g	96.6	Sand	Medium
#120	125	0	0.1928	0.1928 g	96.0	Sand	Fine
#230	63	0	0.1689	0.1689 g	95.4	Sand	Fine
				0 g	95.4	Sand	Fine
				0 g	95.4		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	61.3257	61.9041	0.57628	9.67	32.01424915	63.385751	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	50.2685	50.6535	0.38288	6.855	22.69469265	40.691058	Silt	Medium
6 to 7	7.8	21	00:07:25	10	60.7706	61.0185	0.24578	6.15	20.36066518	20.330393	Silt	Fine
7 to 8	3.9	21	00:29:41	10	61.613	61.7379	0.12278	3.105	10.27965291	10.05074	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	54.1009	54.1637	0.06068	1.575	5.214316693	4.8364234	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	52.248	52.2793	0.02918	0.385	1.274610747	3.5618127	Clay	Medium
10 to 11	0.49	21	31:40:00	10	57.6239	57.6475	0.02148	1.074	3.555667383	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-SS02-120507
 Lab Sample ID 580-32803-A-45

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 53 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		103.7	103.7
Sample Weight (dry)			42.5054

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			8.8664
Sample <#230			33.639
% Passing #230			79.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	2.4446	2.4446 g	94.2	Gravel	
#10	2000	0	0.4026	0.4026 g	93.3	Gravel	
#18	1000	0	0.9199	0.9199 g	91.1	Sand	Coarse
#35	500	0	1.379	1.379 g	87.9	Sand	Medium
#60	250	0	1.4527	1.4527 g	84.5	Sand	Medium
#120	125	0	1.0805	1.0805 g	82.0	Sand	Fine
#230	63	0	1.1871	1.1871 g	79.2	Sand	Fine
				0 g	79.2	Sand	Fine
				0 g	79.2		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	51.1124	51.7873	0.67278	8.85	20.82088393	58.279116	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	61.0805	61.5784	0.49578	9.52	22.39715424	35.881962	Silt	Medium
6 to 7	7.8	21	00:07:25	10	60.9639	61.2714	0.30538	7.74	18.20945103	17.672511	Silt	Fine
7 to 8	3.9	21	00:29:41	10	52.4733	52.626	0.15058	3.675	8.645960278	9.0265505	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	52.8812	52.9604	0.07708	1.945	4.575889181	4.4506613	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	50.3152	50.3555	0.03818	0.605	1.423348563	3.0273128	Clay	Medium
10 to 11	0.49	21	31:40:00	10	48.6935	48.7217	0.02608	1.304	3.067845497	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-COMP-120507
 Lab Sample ID 580-32803-A-46

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 53 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Samp
	103.2	103.2
		45.6181

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Samp
		9.5791
		36.039
		79

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	4.4573	4.4573 g	90.2	Gravel	
#10	2000	0	0.7965	0.7965 g	88.5	Gravel	
#18	1000	0	0.8878	0.8878 g	86.6	Sand	Coarse
#35	500	0	0.8722	0.8722 g	84.7	Sand	Medium
#60	250	0	1.2202	1.2202 g	82.0	Sand	Medium
#120	125	0	0.851	0.851 g	80.1	Sand	Fine
#230	63	0	0.4941	0.4941 g	79.0	Sand	Fine
				0 g	79.0	Sand	Fine
				0 g	79.0		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	53.7516	54.4745	0.72078	8.805	19.30154917	59.698451	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	52.8124	53.3592	0.54468	9.905	21.71287274	37.985578	Silt	Medium
6 to 7	7.8	21	00:07:25	10	52.4017	52.7504	0.34658	8.58	18.80832389	19.177254	Silt	Fine
7 to 8	3.9	21	00:29:41	10	51.3896	51.5667	0.17498	4.5	9.864505536	9.3127487	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	50.2976	50.3847	0.08498	2.23	4.888410521	4.4243381	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	49.5259	49.5684	0.04038	0.725	1.589281447	2.8350567	Clay	Medium
10 to 11	0.49	21	31:40:00	10	54.6058	54.6338	0.02588	1.294	2.83659337	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA01-COMP-120507
 Lab Sample ID 580-32803-A-53

Date Received 5/7/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 42 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Samp
	108.8	108.8
		57.411

Sample Split

Tare	Pan+Sample	Samp
		25.507
		31.904
		55.6

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0.704	0.704 g	98.8	Gravel	
#10	2000	0	0.175	0.175 g	98.5	Gravel	
#18	1000	0	0.2188	0.2188 g	98.1	Sand	Coarse
#35	500	0	1.1045	1.1045 g	96.2	Sand	Medium
#60	250	0	5.444	5.444 g	86.7	Sand	Medium
#120	125	0	11.2087	11.2087 g	67.2	Sand	Fine
#230	63	0	6.652	6.652 g	55.6	Sand	Fine
				0 g	55.6	Sand	Fine
				0 g	55.6	Sand	Fine
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	51.0835	51.7237	0.63808	9.35	16.28607758	39.313922	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	51.1678	51.621	0.45108	7.515	13.08982599	26.224096	Silt	Medium
6 to 7	7.8	21	00:07:25	10	52.5403	52.8432	0.30078	6.32	11.00834335	15.215753	Silt	Fine
7 to 8	3.9	21	00:29:41	10	60.2533	60.4298	0.17438	3.93	6.845378063	8.370375	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	51.433	51.5309	0.09578	2.085	3.631708209	4.7386668	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.3223	61.3785	0.05408	1.35	2.351465747	2.3872011	Clay	Medium
10 to 11	0.49	21	31:40:00	10	57.8588	57.888	0.02708	1.354	2.358433053	0	Clay	Fine
			not defined	10								

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 113143 Batch Start Date: 06/08/12 13:16 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00002	TOCS_LCS 00002		
ICV 580-113143/1		9060_PSEP				0.1867 g			
LCS 580-113143/4		9060_PSEP					186.7 mg		
580-32803-A-7 MS	JW-EA58-COMP-120 507	9060_PSEP	T	0.1097 g	0.1097 g	0.1032 g			
CCV 580-113143/13		9060_PSEP				0.1061 g			
CCV 580-113143/25		9060_PSEP				0.1023 g			
CCV 580-113143/31		9060_PSEP				0.1021 g			
ICV 580-113143/33		9060_PSEP				0.2082 g			
CCV 580-113143/35		9060_PSEP				0.1066 g			
580-32803-A-7 MSD	JW-EA58-COMP-120 507	9060_PSEP	T	0.1065 g	0.1065 g	0.0981 g			
CCV 580-113143/38		9060_PSEP				0.1065 g			

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111368 Batch Start Date: 05/15/12 11:20 Batch Analyst: Lai, John

Batch Method: D 2216 Batch End Date: 05/17/12 11:11

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32803-D-7	JW-EA58-COMP-120 507	D 2216	T	0.7796 g	7.3267 g	3.9707 g			
580-32803-D-7 DU	JW-EA58-COMP-120 507	D 2216	T	0.7996 g	7.5809 g	3.9343 g			
580-32803-E-10	JW-EA08-COMP-120 507	D 2216	T	0.7663 g	8.4277 g	4.5385 g			
580-32803-D-15	JW-EA06-COMP-120 507	D 2216	T	0.7985 g	9.6101 g	5.5772 g			
580-32803-D-16	JW-EA10-SS39-120 507	D 2216	T	0.7892 g	8.5106 g	5.5853 g			
580-32803-D-17	JW-EA10-SS41-120 507	D 2216	T	0.7961 g	8.9205 g	6.4597 g			
580-32803-D-18	JW-EA10-SS40-120 507	D 2216	T	0.7773 g	9.6709 g	6.0697 g			
580-32803-D-19	JW-EA10-SS43-120 507	D 2216	T	0.7932 g	8.5122 g	5.4769 g			
580-32803-D-20	JW-EA10-SS42-120 507	D 2216	T	0.7741 g	9.4088 g	6.2551 g			
580-32803-E-21	JW-EA10-COMP-120 507	D 2216	T	0.7641 g	7.3166 g	4.8809 g			
580-32803-D-26	JW-EA07-COMP-120 507	D 2216	T	0.7762 g	8.3435 g	5.2631 g			
580-32803-C-30	JW-EA03-COMP-120 507	D 2216	T	0.7932 g	9.2061 g	4.4029 g			
580-32803-C-36	JW-EA02-COMP-120 507	D 2216	T	0.7994 g	9.2083 g	4.4257 g			
580-32803-D-41	JW-EA04-COMP-120 507	D 2216	T	0.7775 g	7.3798 g	5.0677 g			
580-32803-D-42	JW-EA01-SS03-120 507	D 2216	T	0.7719 g	7.8888 g	4.9676 g			
580-32803-D-43	JW-EA01-SS04-120 507	D 2216	T	0.7887 g	9.6484 g	5.1147 g			
580-32803-D-44	JW-EA01-SS01-120 507	D 2216	T	0.7812 g	9.6207 g	4.1799 g			
580-32803-D-45	JW-EA01-SS02-120 507	D 2216	T	0.7707 g	8.5369 g	4.4145 g			
580-32803-D-46	JW-EA01-COMP-120 507	D 2216	T	0.7612 g	8.8158 g	4.5701 g			
580-32803-D-53	JW-EA09-COMP-120 507	D 2216	T	0.7650 g	8.5573 g	5.2749 g			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-1

SDG No.: _____

Batch Number: 111368 Batch Start Date: 05/15/12 11:20 Batch Analyst: Lai, John

Batch Method: D 2216 Batch End Date: 05/17/12 11:11

Batch Notes	
Balance ID	SEA223 No Unit
Date samples were placed in the oven	5/15/12
Oven Temp when samples are put in oven	113.5 Degrees C
Time samples were place in the oven	12:00
Date samples were removed from oven	5/17/12
Oven Temp when samples removed from oven	115.5 Degrees C
Time Samples were removed from oven	11:11
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	113 Celsius
Uncorrected Out Temperature	115 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32803-1

SDG No.: _____

Batch Number: 39474 Batch Start Date: 05/29/12 14:52 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 20:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006				
ICV 200-39474/1		Lloyd Kahn			0.522 mg				
LCS 200-39474/4		Lloyd Kahn		9.486 mg					
CCV 200-39474/13		Lloyd Kahn			0.462 mg				
CCV 200-39474/25		Lloyd Kahn			0.46 mg				
CCV 200-39474/28		Lloyd Kahn			0.544 mg				

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1500
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

Shipping and Receiving Documents

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Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

06/19/2012

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **206-287-9130** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWFAL & Sediment WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01-01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00	X											
1. JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00	X											
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10	X											
2. JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10	X											
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15	X											
3. JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15	X											
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25	X											
4. JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25	X											
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00	X											
5. JW-EAD8-SS29-1205 (2)	5/7/12	11:10	X											
6. JW-EAS8-SS30-1205 (1)	5/7/12	15:10	X											
6. JW-EAS8-SS30-1205 (2)	5/7/12	15:10	X											
7. JW-EA08-SS31-1205 (1)	5/7/12	11:15	X											
7. JW-EA08-SS31-1205 (2)	5/7/12	11:15	X											

QC Requirements (Specify)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other

1. Relinquished By Sign/Print: _____ Date: _____

2. Relinquished By Sign/Print: _____ Date: _____

3. Relinquished By Sign/Print: _____ Date: _____

Comments: _____

1. Received By Sign/Print: _____ Date: **5/8/12** Time: **12:16**

2. Received By Sign/Print: _____ Date: _____ Time: _____

3. Received By Sign/Print: _____ Date: _____ Time: _____

TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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**Chain of
 Custody Record**

Client: **Jeld Wen** Client Contact: **Anchor GEA** Date: **5/7/2012** Chain of Custody Number: **15107**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131** Lab Number: **2 of 5**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **KC/NS** Lab Contact: **Wahman Socarsky** Analysis (Attach list if more space is needed)

Project Name and Location (State): **Jeld Wen Surface Sediment WA** Billing Contact: **Wahman Socarsky**

Contract/Purchase Order/Quote No.: **1209109-01-01** Matrix: **Archive** Containers & Preservatives: **H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH**

Sample ID and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Special Instructions/ Conditions of Receipt
9 JM-EA08-SS32-1205 (1)	5/7/12	12:25			X								
10 JM-EA08-DMPP-1205 (2)	5/7/12	15:28			X								
11 JM-EA06-SS22-1205 (1)	5/7/12	11:17			X								
12 JM-EA06-SS21-1205 (1)	5/7/12	11:12			X								
13 JM-EA06-SS23-1205 (1)	5/7/12	11:30			X								
14 JM-EA06-SS24-1205 (1)	5/7/12	11:40			X								
15 JM-EA06-COMP-1205 (1)	5/7/12	16:00			X								
16 JM-EA06-SS29-1205 (2)	5/7/12	10:25			X								
17 JM-EA10-SS41-1205 (2)	5/7/12	12:44			X								
18 JM-EA10-SS40-1205 (2)	5/7/12	12:34			X								
19 JM-EA10-SS43-1205 (2)	5/7/12	12:20			X								
20 JM-EA10-SS43-1205 (2)	5/7/12	09:03			X								

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: **Cindy Fields** Date: **5/8/12** Time: **12:16**

2. Relinquished By Sign/Print: **Cindy Fields** Date: **5/8/12** Time: **12:16**

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

Page 540 of 545

06/19/2012

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Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15128

06/19/2012

Page 3 of 5

Client Jeld Wen		Client Contact Anchor OEA		Date 5/7/2012	
Address 720 Olive Way Suite 1900		Telephone Number (Area Code)/Fax Number 206.287.9130/206.287.9131		Lab Number	
City Seattle		State WA		Zip Code 98101	
Project Name and Location (State) Jeld Wen Surface Sediment WA		Billing Contact Nathan Succow		Lab Contact	
Contract/Purchase Order/Quote No. 120909-01D1		Matrix		Containers & Preservatives	
Sample I.D. and Location/Description (Containers for each sample may be combined on one line)		Date		Time	
21. JW-EAD10-10MP-1205 (2)		5/7/12		10:14	
22. JW-EAD7-SS28-1205 (1)		5/7/12		12:00	
23. JW-EAD7-SS25-1205 (1)		5/7/12		11:44	
24. JW-EAD7-SS27-1205 (1)		5/7/12		12:14	
25. JW-EAD7-SS26-1205 (1)		5/7/12		11:50	
26. JW-EAD7-68MP-1205 (1)		5/7/12		16:33	
27. JW-EAD8-SS12-1205 (1)		5/7/12		13:00	
28. JW-EAD3-SS10-1205 (1)		5/7/12		13:30	
29. JW-EAD3-SS11-1205 (1)		5/7/12		14:00	
30. JW-EAD3-10MP-1205 (1)		5/7/12		16:53	
31. JW-EAD3-SS09-1205 (1)		5/7/12		13:45	
38. JW-EAD2-SS05-1205 (1)		5/7/12		15:05	

Turn Around Time Required (business days)
 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print
 2. Relinquished By Sign/Print
 3. Relinquished By Sign/Print

Comments
 DISTRIBUTION: WHITE - Stays with the Samples, CANARY - Returned to Client with Report, PINK - Field Copy

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Rush
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Chain of
Custody Record

06/19/2012

Client: Jeld Wen Client Contact: Andrew DEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: _____ Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KL/NS Lab Contact: _____

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Norman Socorsky

Contract/Purchase Order/Quote No.: 12MD9-0101 Matrix: _____ Containers & Preservatives: _____

Special Instructions/Conditions of Receipt: _____

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl		NaOH	ZnAc/NaOH	
33 JW-EA02-SS06-1205 (1)	5/7/12	14:56	X											
34 JW-EA02-SS07-1205 (1)	5/7/12	15:11	X											
35 JW-EA02-SS08-1205 (1)	5/7/12	14:47	X											
36 JW-EA02-CAMP-1205 (1)	5/7/12	17:10	X											
37 JW-EA04-SS13-1205 (1)	5/7/12	12:55	X											
38 JW-EA04-SS16-1205 (1)	5/7/12	12:40	X											
39 JW-EA04-SS14-1205 (1)	5/7/12	12:50	X											
40 JW-EA04-SS15-1205 (1)	5/7/12	12:30	X											
41 JW-EA04-CAMP-1205 (1)	5/7/12	17:25	X											
42 JW-EA01-SS03-1205 (2)	5/7/12	15:10	X											
43 JW-EA01-SS04-1205 (2)	5/7/12	15:00	X											
44 JW-EA01-SS01-1205 (2)	5/7/12	15:22	X											

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print: Andrew DEA Date: 5/8/12 Time: 12:10pm

2. Relinquished By Sign/Print: Francisco Luna Jr Date: 5/8/12 Time: 12:16

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-680 (0210)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen				Analyses Requested							Notes/ Comments:
Lab: Test America		Surface Sediment				Ts/TDL/BC/Archive PAH	Ts/TDC/BC/GS/PAH	Archive	PAH				
Address: 5755 8 th Street E.		Proj. No.: 120909-01.01											
City, etc.: Tacoma WA 98424		Sampler: KL/NS											
Phone: 253-922-2310		Shipping Method:											
Fax: 253-922-5047		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
45 JW-EA01-SS02	1205 5/7/12	15:15	Sed	2	X								
46 JW-EA01-COMP	1205 5/7/12	17:39	Sed	2		X							
47 JW-EA09-SS37	1205 5/7/12	13:46	Sed	1			X						
48 JW-EA09-SS34	1205 5/7/12	14:11	Sed	2			X						
49 JW-EA09-SS38	1205 5/7/12	13:50	Sed	1			X						
50 JW-EA09-SS36	1205 5/7/12	14:01	Sed	1			X						
51 JW-EA09-SS33	1205 5/7/12	13:24	Sed	1			X						
52 JW-EA09-SS35	1205 5/7/12	13:36	Sed	1			X						
53 JW-EA09-COMP	1205 5/7/12	18:03	Sed	2		X							
54 JW-RB-1205	5/7/12	17:58		1			X						
55 JW-FB-1205	5/7/12	19:00		1			X						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>C. Field</i>			# of Coolers:	Cooler Temp(s):
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUAGUET	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:		

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-1

Login Number: 32803

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-1

Login Number: 32803

List Number: 1

Creator: Gagne, Eric

List Source: TestAmerica Burlington

List Creation: 05/16/12 03:03 PM

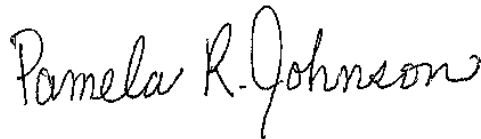
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.2°C IR GUN ID 154. CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 580-32803-2

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
11/13/2012 3:10 PM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
11/13/2012

cc: Lab Data
Niki Masters

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32803-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-EA08-SS29-120507 (580-32803-5), JW-EA08-SS30-120507 (580-32803-6), JW-EA08-SS31-120507 (580-32803-8), JW-EA08-SS32-120507 (580-32803-9), JW-EA06-SS22-120507 (580-32803-11), JW-EA06-SS21-120507 (580-32803-12), JW-EA06-SS23-120507 (580-32803-13), JW-EA06-SS24-120507 (580-32803-14), JW-EA07-SS28-120507 (580-32803-22), JW-EA07-SS25-120507 (580-32803-23), JW-EA07-SS27-120507 (580-32803-24), JW-EA07-SS26-120507 (580-32803-25), JW-EA02-SS05-120507 (580-32803-32), JW-EA02-SS06-120507 (580-32803-33), JW-EA04-SS13-120507 (580-32803-37), JW-EA04-SS16-120507 (580-32803-38), JW-EA04-SS14-120507 (580-32803-39), JW-EA04-SS15-120507 (580-32803-40), JW-EA09-SS37-120507 (580-32803-47), JW-EA09-SS34-120507 (580-32803-48), JW-EA09-SS38-120507 (580-32803-49), JW-EA09-SS36-120507 (580-32803-50), JW-EA09-SS33-120507 (580-32803-51) and JW-EA09-SS35-120507 (580-32803-52) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 11/07/2012.

Analysis of the following samples JW-EA09-SS38-120507 (580-32803-49), JW-EA09-SS36-120507 (580-32803-50), JW-EA09-SS33-120507 (580-32803-51) and JW-EA09-SS35-120507 (580-32803-52) was not performed outside of the analytical holding time. The samples were placed in a freezer after the original analysis was performed. The samples were not removed from the unit until 11/5/2012. The samples were reanalyzed on 11/7/2012 and thus meet the criteria established by the method that states that samples must be reanalyzed within six months after being removed from a freezer unit.

Analysis of the following samples JW-EA08-SS29-120507 (580-32803-5), JW-EA08-SS30-120507 (580-32803-6), JW-EA08-SS31-120507 (580-32803-8), JW-EA08-SS32-120507 (580-32803-9), JW-EA06-SS22-120507 (580-32803-11), JW-EA06-SS21-120507 (580-32803-12), JW-EA06-SS23-120507 (580-32803-13), JW-EA06-SS24-120507 (580-32803-14), JW-EA07-SS28-120507 (580-32803-22), JW-EA07-SS25-120507 (580-32803-23), JW-EA07-SS27-120507 (580-32803-24), JW-EA07-SS26-120507 (580-32803-25), JW-EA02-SS05-120507 (580-32803-32), JW-EA02-SS06-120507 (580-32803-33), JW-EA04-SS13-120507 (580-32803-37), JW-EA04-SS16-120507 (580-32803-38), JW-EA04-SS14-120507 (580-32803-39), JW-EA04-SS15-120507 (580-32803-40), JW-EA09-SS37-120507 (580-32803-47), JW-EA09-SS34-120507 (580-32803-48) was not performed outside of the analytical holding time. The samples were placed in a freezer after the original analysis was performed. The samples were not removed from the unit until 11/5/2012. The samples were reanalyzed on 11/7/2012 and thus meet the criteria established by the method that states that samples must be reanalyzed within six months after being removed from a freezer unit.

No difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-5	JW-EA08-SS29-120507	Solid	05/07/2012 1100	05/08/2012 1420
580-32803-6	JW-EA08-SS30-120507	Solid	05/07/2012 1110	05/08/2012 1420
580-32803-8	JW-EA08-SS31-120507	Solid	05/07/2012 1115	05/08/2012 1420
580-32803-9	JW-EA08-SS32-120507	Solid	05/07/2012 1225	05/08/2012 1420
580-32803-11	JW-EA06-SS22-120507	Solid	05/07/2012 1117	05/08/2012 1420
580-32803-12	JW-EA06-SS21-120507	Solid	05/07/2012 1112	05/08/2012 1420
580-32803-13	JW-EA06-SS23-120507	Solid	05/07/2012 1130	05/08/2012 1420
580-32803-14	JW-EA06-SS24-120507	Solid	05/07/2012 1140	05/08/2012 1420
580-32803-22	JW-EA07-SS28-120507	Solid	05/07/2012 1200	05/08/2012 1420
580-32803-23	JW-EA07-SS25-120507	Solid	05/07/2012 1144	05/08/2012 1420
580-32803-24	JW-EA07-SS27-120507	Solid	05/07/2012 1214	05/08/2012 1420
580-32803-25	JW-EA07-SS26-120507	Solid	05/07/2012 1150	05/08/2012 1420
580-32803-32	JW-EA02-SS05-120507	Solid	05/07/2012 1505	05/08/2012 1420
580-32803-33	JW-EA02-SS06-120507	Solid	05/07/2012 1456	05/08/2012 1420
580-32803-37	JW-EA04-SS13-120507	Solid	05/07/2012 1255	05/08/2012 1420
580-32803-38	JW-EA04-SS16-120507	Solid	05/07/2012 1240	05/08/2012 1420
580-32803-39	JW-EA04-SS14-120507	Solid	05/07/2012 1250	05/08/2012 1420
580-32803-40	JW-EA04-SS15-120507	Solid	05/07/2012 1230	05/08/2012 1420
580-32803-47	JW-EA09-SS37-120507	Solid	05/07/2012 1346	05/08/2012 1420
580-32803-48	JW-EA09-SS34-120507	Solid	05/07/2012 1411	05/08/2012 1420
580-32803-49	JW-EA09-SS38-120507	Solid	05/07/2012 1350	05/08/2012 1420
580-32803-50	JW-EA09-SS36-120507	Solid	05/07/2012 1401	05/08/2012 1420
580-32803-51	JW-EA09-SS33-120507	Solid	05/07/2012 1324	05/08/2012 1420
580-32803-52	JW-EA09-SS35-120507	Solid	05/07/2012 1336	05/08/2012 1420

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

PSEP = Puget Sound Estuary Program

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS29-120507

Lab Sample ID: 580-32803-5

Date Sampled: 05/07/2012 1100

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	34000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1339				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS30-120507

Lab Sample ID: 580-32803-6

Date Sampled: 05/07/2012 1110

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	35000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1353				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS31-120507

Lab Sample ID: 580-32803-8

Date Sampled: 05/07/2012 1115

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1357				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA08-SS32-120507

Lab Sample ID: 580-32803-9

Date Sampled: 05/07/2012 1225

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1402				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS22-120507

Lab Sample ID: 580-32803-11

Date Sampled: 05/07/2012 1117

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1406				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS21-120507

Lab Sample ID: 580-32803-12

Date Sampled: 05/07/2012 1112

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	29000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1410				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS23-120507

Lab Sample ID: 580-32803-13

Date Sampled: 05/07/2012 1130

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1415				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA06-SS24-120507

Lab Sample ID: 580-32803-14

Date Sampled: 05/07/2012 1140

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	11000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1419				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS28-120507

Lab Sample ID: 580-32803-22

Date Sampled: 05/07/2012 1200

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	35000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1424				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS25-120507

Lab Sample ID: 580-32803-23

Date Sampled: 05/07/2012 1144

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1428				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS27-120507

Lab Sample ID: 580-32803-24

Date Sampled: 05/07/2012 1214

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	32000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1437				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA07-SS26-120507

Lab Sample ID: 580-32803-25

Date Sampled: 05/07/2012 1150

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1442				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA02-SS05-120507

Lab Sample ID: 580-32803-32

Date Sampled: 05/07/2012 1505

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1446				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA02-SS06-120507

Lab Sample ID: 580-32803-33

Date Sampled: 05/07/2012 1456

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	26000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1450				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS13-120507

Lab Sample ID: 580-32803-37

Date Sampled: 05/07/2012 1255

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1455				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS16-120507

Lab Sample ID: 580-32803-38

Date Sampled: 05/07/2012 1240

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1459				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS14-120507

Lab Sample ID: 580-32803-39

Date Sampled: 05/07/2012 1250

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1504				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA04-SS15-120507

Lab Sample ID: 580-32803-40

Date Sampled: 05/07/2012 1230

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	13000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1508				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS37-120507

Lab Sample ID: 580-32803-47

Date Sampled: 05/07/2012 1346

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8600		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1513				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS34-120507

Lab Sample ID: 580-32803-48

Date Sampled: 05/07/2012 1411

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124143		Analysis Date: 11/07/2012 1517				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS38-120507

Lab Sample ID: 580-32803-49

Date Sampled: 05/07/2012 1350

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1745				DryWt Corrected: N

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS36-120507

Lab Sample ID: 580-32803-50

Date Sampled: 05/07/2012 1401

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	25000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1759				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS33-120507

Lab Sample ID: 580-32803-51

Date Sampled: 05/07/2012 1324

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	19000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1804				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-2

General Chemistry

Client Sample ID: JW-EA09-SS35-120507

Lab Sample ID: 580-32803-52

Date Sampled: 05/07/2012 1336

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-124168		Analysis Date: 11/07/2012 1808				DryWt Corrected: N

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Method Blank - Batch: 580-124143

Lab Sample ID: MB 580-124143/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1332
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124143/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1334
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 580-124143/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1336
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124143
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	97	108	34 - 166	10			

**Laboratory Control/
 Laboratory Duplicate Data Report - Batch: 580-124143**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124143/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1334
 Prep Date: N/A
 Leach Date: N/A

Units: mg/Kg

LCSD Lab Sample ID: LCSD 580-124143/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1336
 Prep Date: N/A
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	2780	3070

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0973 g
Analysis Date:	11/07/2012 1348			Final Weight/Volume:	0.0973 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1050 g
Analysis Date:	11/07/2012 1351			Final Weight/Volume:	0.1050 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	103	106	76 - 128	5	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124143**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-5	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/07/2012 1348			Analysis Date:	11/07/2012 1351
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	34000	117000	122000	154000	163000

Duplicate - Batch: 580-124143

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-5	Analysis Batch:	580-124143	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1343	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	34000	33400	0.4	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Method Blank - Batch: 580-124168

Lab Sample ID: MB 580-124168/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1739
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124168
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124168/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1741
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124168
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

LCSD Lab Sample ID: LCSD 580-124168/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1743
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-124168
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume: 1.0 mL
 Final Weight/Volume: 1.0 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	109	113	34 - 166	4			

**Laboratory Control/
 Laboratory Duplicate Data Report - Batch: 580-124168**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-124168/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1741
 Prep Date: N/A
 Leach Date: N/A

Units: mg/Kg

LCSD Lab Sample ID: LCSD 580-124168/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 11/07/2012 1743
 Prep Date: N/A
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	3100	3220

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0953 g
Analysis Date:	11/07/2012 1754			Final Weight/Volume:	0.0953 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.0910 g
Analysis Date:	11/07/2012 1757			Final Weight/Volume:	0.0910 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	105	104	76 - 128	4	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-124168**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-49	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-49
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	11/07/2012 1754			Analysis Date:	11/07/2012 1757
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	27000	122000	117000	156000	149000

Duplicate - Batch: 580-124168

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-49	Analysis Batch:	580-124168	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	11/07/2012 1749	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	27000	26800	2	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:580-124143					
LCS 580-124143/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-124143/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-124143/3	Method Blank	T	Solid	9060_PSEP	
580-32803-5	JW-EA08-SS29-120507	T	Solid	9060_PSEP	
580-32803-5DU	Duplicate	T	Solid	9060_PSEP	
580-32803-5MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-5MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-6	JW-EA08-SS30-120507	T	Solid	9060_PSEP	
580-32803-8	JW-EA08-SS31-120507	T	Solid	9060_PSEP	
580-32803-9	JW-EA08-SS32-120507	T	Solid	9060_PSEP	
580-32803-11	JW-EA06-SS22-120507	T	Solid	9060_PSEP	
580-32803-12	JW-EA06-SS21-120507	T	Solid	9060_PSEP	
580-32803-13	JW-EA06-SS23-120507	T	Solid	9060_PSEP	
580-32803-14	JW-EA06-SS24-120507	T	Solid	9060_PSEP	
580-32803-22	JW-EA07-SS28-120507	T	Solid	9060_PSEP	
580-32803-23	JW-EA07-SS25-120507	T	Solid	9060_PSEP	
580-32803-24	JW-EA07-SS27-120507	T	Solid	9060_PSEP	
580-32803-25	JW-EA07-SS26-120507	T	Solid	9060_PSEP	
580-32803-32	JW-EA02-SS05-120507	T	Solid	9060_PSEP	
580-32803-33	JW-EA02-SS06-120507	T	Solid	9060_PSEP	
580-32803-37	JW-EA04-SS13-120507	T	Solid	9060_PSEP	
580-32803-38	JW-EA04-SS16-120507	T	Solid	9060_PSEP	
580-32803-39	JW-EA04-SS14-120507	T	Solid	9060_PSEP	
580-32803-40	JW-EA04-SS15-120507	T	Solid	9060_PSEP	
580-32803-47	JW-EA09-SS37-120507	T	Solid	9060_PSEP	
580-32803-48	JW-EA09-SS34-120507	T	Solid	9060_PSEP	
Analysis Batch:580-124168					
LCS 580-124168/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-124168/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-124168/3	Method Blank	T	Solid	9060_PSEP	
580-32803-49	JW-EA09-SS38-120507	T	Solid	9060_PSEP	
580-32803-49DU	Duplicate	T	Solid	9060_PSEP	
580-32803-49MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-49MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-50	JW-EA09-SS36-120507	T	Solid	9060_PSEP	
580-32803-51	JW-EA09-SS33-120507	T	Solid	9060_PSEP	
580-32803-52	JW-EA09-SS35-120507	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-5

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5		580-124143		11/07/2012 13:39	1	TAL SEA	RB

Lab ID: 580-32803-5 MS

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 MS		580-124143		11/07/2012 13:48	1	TAL SEA	RB

Lab ID: 580-32803-5 MSD

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 MSD		580-124143		11/07/2012 13:51	1	TAL SEA	RB

Lab ID: 580-32803-5 DU

Client ID: JW-EA08-SS29-120507

Sample Date/Time: 05/07/2012 11:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-5 DU		580-124143		11/07/2012 13:43	1	TAL SEA	RB

Lab ID: 580-32803-6

Client ID: JW-EA08-SS30-120507

Sample Date/Time: 05/07/2012 11:10

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-D-6		580-124143		11/07/2012 13:53	1	TAL SEA	RB

Lab ID: 580-32803-8

Client ID: JW-EA08-SS31-120507

Sample Date/Time: 05/07/2012 11:15

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-8		580-124143		11/07/2012 13:57	1	TAL SEA	RB

Lab ID: 580-32803-9

Client ID: JW-EA08-SS32-120507

Sample Date/Time: 05/07/2012 12:25

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-C-9		580-124143		11/07/2012 14:02	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-11

Client ID: JW-EA06-SS22-120507

Sample Date/Time: 05/07/2012 11:17

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-11		580-124143		11/07/2012 14:06	1	TAL SEA	RB

Lab ID: 580-32803-12

Client ID: JW-EA06-SS21-120507

Sample Date/Time: 05/07/2012 11:12

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-12		580-124143		11/07/2012 14:10	1	TAL SEA	RB

Lab ID: 580-32803-13

Client ID: JW-EA06-SS23-120507

Sample Date/Time: 05/07/2012 11:30

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-13		580-124143		11/07/2012 14:15	1	TAL SEA	RB

Lab ID: 580-32803-14

Client ID: JW-EA06-SS24-120507

Sample Date/Time: 05/07/2012 11:40

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-14		580-124143		11/07/2012 14:19	1	TAL SEA	RB

Lab ID: 580-32803-22

Client ID: JW-EA07-SS28-120507

Sample Date/Time: 05/07/2012 12:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-22		580-124143		11/07/2012 14:24	1	TAL SEA	RB

Lab ID: 580-32803-23

Client ID: JW-EA07-SS25-120507

Sample Date/Time: 05/07/2012 11:44

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-23		580-124143		11/07/2012 14:28	1	TAL SEA	RB

Lab ID: 580-32803-24

Client ID: JW-EA07-SS27-120507

Sample Date/Time: 05/07/2012 12:14

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-24		580-124143		11/07/2012 14:37	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-25

Client ID: JW-EA07-SS26-120507

Sample Date/Time: 05/07/2012 11:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-25		580-124143		11/07/2012 14:42	1	TAL SEA	RB

Lab ID: 580-32803-32

Client ID: JW-EA02-SS05-120507

Sample Date/Time: 05/07/2012 15:05

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-32		580-124143		11/07/2012 14:46	1	TAL SEA	RB

Lab ID: 580-32803-33

Client ID: JW-EA02-SS06-120507

Sample Date/Time: 05/07/2012 14:56

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-33		580-124143		11/07/2012 14:50	1	TAL SEA	RB

Lab ID: 580-32803-37

Client ID: JW-EA04-SS13-120507

Sample Date/Time: 05/07/2012 12:55

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-37		580-124143		11/07/2012 14:55	1	TAL SEA	RB

Lab ID: 580-32803-38

Client ID: JW-EA04-SS16-120507

Sample Date/Time: 05/07/2012 12:40

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-38		580-124143		11/07/2012 14:59	1	TAL SEA	RB

Lab ID: 580-32803-39

Client ID: JW-EA04-SS14-120507

Sample Date/Time: 05/07/2012 12:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-39		580-124143		11/07/2012 15:04	1	TAL SEA	RB

Lab ID: 580-32803-40

Client ID: JW-EA04-SS15-120507

Sample Date/Time: 05/07/2012 12:30

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-40		580-124143		11/07/2012 15:08	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-47

Client ID: JW-EA09-SS37-120507

Sample Date/Time: 05/07/2012 13:46

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-47		580-124143		11/07/2012 15:13	1	TAL SEA	RB

Lab ID: 580-32803-48

Client ID: JW-EA09-SS34-120507

Sample Date/Time: 05/07/2012 14:11

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-48		580-124143		11/07/2012 15:17	1	TAL SEA	RB

Lab ID: 580-32803-49

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49		580-124168		11/07/2012 17:45	1	TAL SEA	RB

Lab ID: 580-32803-49 MS

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 MS		580-124168		11/07/2012 17:54	1	TAL SEA	RB

Lab ID: 580-32803-49 MSD

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 MSD		580-124168		11/07/2012 17:57	1	TAL SEA	RB

Lab ID: 580-32803-49 DU

Client ID: JW-EA09-SS38-120507

Sample Date/Time: 05/07/2012 13:50

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-49 DU		580-124168		11/07/2012 17:49	1	TAL SEA	RB

Lab ID: 580-32803-50

Client ID: JW-EA09-SS36-120507

Sample Date/Time: 05/07/2012 14:01

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-50		580-124168		11/07/2012 17:59	1	TAL SEA	RB

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-2

Laboratory Chronicle

Lab ID: 580-32803-51

Client ID: JW-EA09-SS33-120507

Sample Date/Time: 05/07/2012 13:24

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-51		580-124168		11/07/2012 18:04	1	TAL SEA	RB

Lab ID: 580-32803-52

Client ID: JW-EA09-SS35-120507

Sample Date/Time: 05/07/2012 13:36

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-52		580-124168		11/07/2012 18:08	1	TAL SEA	RB

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-124143/3		580-124143		11/07/2012 13:32	1	TAL SEA	RB
A:9060_PSEP	MB 580-124168/3		580-124168		11/07/2012 17:39	1	TAL SEA	RB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-124143/4		580-124143		11/07/2012 13:34	1	TAL SEA	RB
A:9060_PSEP	LCS 580-124168/4		580-124168		11/07/2012 17:41	1	TAL SEA	RB

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCSD 580-124143/5		580-124143		11/07/2012 13:36	1	TAL SEA	RB
A:9060_PSEP	LCSD 580-124168/5		580-124168		11/07/2012 17:43	1	TAL SEA	RB

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00003	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	120000 g
TOCS_LCS_00003	02/29/16		ERA, Lot D078-542		(Purchased Reagent)		Total Organic Carbon	2850 mg/Kg

Certification Summary

Client: Anchor QEA LLC
Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32803-2

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job Number: 580-32803-2

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
JW-EA08-SS29-120507	580-32803-5
JW-EA08-SS30-120507	580-32803-6
JW-EA08-SS31-120507	580-32803-8
JW-EA08-SS32-120507	580-32803-9
JW-EA06-SS22-120507	580-32803-11
JW-EA06-SS21-120507	580-32803-12
JW-EA06-SS23-120507	580-32803-13
JW-EA06-SS24-120507	580-32803-14
JW-EA07-SS28-120507	580-32803-22
JW-EA07-SS25-120507	580-32803-23
JW-EA07-SS27-120507	580-32803-24
JW-EA07-SS26-120507	580-32803-25
JW-EA02-SS05-120507	580-32803-32
JW-EA02-SS06-120507	580-32803-33
JW-EA04-SS13-120507	580-32803-37
JW-EA04-SS16-120507	580-32803-38
JW-EA04-SS14-120507	580-32803-39
JW-EA04-SS15-120507	580-32803-40
JW-EA09-SS37-120507	580-32803-47
JW-EA09-SS34-120507	580-32803-48
JW-EA09-SS38-120507	580-32803-49
JW-EA09-SS36-120507	580-32803-50
JW-EA09-SS33-120507	580-32803-51
JW-EA09-SS35-120507	580-32803-52

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS29-120507

Lab Sample ID: 580-32803-5

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	34000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS30-120507

Lab Sample ID: 580-32803-6

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:10

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	35000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS31-120507

Lab Sample ID: 580-32803-8

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:15

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	22000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA08-SS32-120507

Lab Sample ID: 580-32803-9

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:25

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS22-120507

Lab Sample ID: 580-32803-11

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:17

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	13000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS21-120507

Lab Sample ID: 580-32803-12

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:12

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	29000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS23-120507

Lab Sample ID: 580-32803-13

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:30

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA06-SS24-120507

Lab Sample ID: 580-32803-14

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:40

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	11000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS28-120507

Lab Sample ID: 580-32803-22

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	35000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS25-120507

Lab Sample ID: 580-32803-23

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:44

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS27-120507

Lab Sample ID: 580-32803-24

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:14

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	32000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA07-SS26-120507

Lab Sample ID: 580-32803-25

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 11:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS05-120507

Lab Sample ID: 580-32803-32

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:05

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS06-120507

Lab Sample ID: 580-32803-33

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:56

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	26000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS13-120507

Lab Sample ID: 580-32803-37

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:55

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS16-120507

Lab Sample ID: 580-32803-38

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:40

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS14-120507

Lab Sample ID: 580-32803-39

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA04-SS15-120507

Lab Sample ID: 580-32803-40

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 12:30

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	13000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS37-120507

Lab Sample ID: 580-32803-47

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:46

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	8600	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS34-120507

Lab Sample ID: 580-32803-48

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:11

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	18000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS38-120507

Lab Sample ID: 580-32803-49

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:50

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	27000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS36-120507

Lab Sample ID: 580-32803-50

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:01

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	25000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS33-120507

Lab Sample ID: 580-32803-51

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:24

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	19000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA09-SS35-120507

Lab Sample ID: 580-32803-52

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:36

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2
 SDG No.: _____
 Analyst: RB Batch Start Date: 11/07/2012
 Reporting Units: mg/Kg Analytical Batch No.: 124143

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	13:28	Total Organic Carbon	120000	120000	100	80-120		CaCO3_00003
2	ICB	13:30	Total Organic Carbon	ND					
19	CCV	14:33	Total Organic Carbon	125000	120000	104	80-120		CaCO3_00003
20	CCB	14:35	Total Organic Carbon	ND					
31	CCV	15:29	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00003
32	CCB	15:31	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2
 SDG No.: _____
 Analyst: RB Batch Start Date: 11/07/2012
 Reporting Units: mg/Kg Analytical Batch No.: 124168

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	17:34	Total Organic Carbon	124000	120000	103	80-120		CaCO3_00003
2	ICB	17:36	Total Organic Carbon	ND					
13	CCV	18:13	Total Organic Carbon	126000	120000	105	80-120		CaCO3_00003
14	CCB	18:15	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle

Job No.: 580-32803-2

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 124143 Date: 11/07/2012 13:32							
9060_PSEP	MB 580-124143/3	Total Organic Carbon	ND		mg/Kg	2000	1
Batch ID: 124168 Date: 11/07/2012 17:39							
9060_PSEP	MB 580-124168/3	Total Organic Carbon	ND		mg/Kg	2000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143 Date: 11/07/2012 13:48											
9060_PS EP	580-32803-5	Total Organic Carbon	34000		mg/Kg						
9060_PS EP	580-32803-5 MS	Total Organic Carbon	154000		mg/Kg	117000	103	76-128			
Batch ID: 124168 Date: 11/07/2012 17:54											
9060_PS EP	580-32803-49	Total Organic Carbon	27000		mg/Kg						
9060_PS EP	580-32803-49 MS	Total Organic Carbon	156000		mg/Kg	122000	105	76-128			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143 Date: 11/07/2012 13:51											
9060_PS EP	580-32803-5 MSD	Total Organic Carbon	163000		mg/Kg	122000	106	76-128	5	28	
Batch ID: 124168 Date: 11/07/2012 17:57											
9060_PS EP	580-32803-49 MSD	Total Organic Carbon	149000		mg/Kg	117000	104	76-128	4	28	

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 124143 Date: 11/07/2012 13:43								
9060_PSEP	JW-EA08-SS29-12050 7	580-32803-5	Total Organic Carbon	34000	mg/Kg			
9060_PSEP	JW-EA08-SS29-12050 7	580-32803-5 DU	Total Organic Carbon	33400	mg/Kg	0.4	50	
Batch ID: 124168 Date: 11/07/2012 17:49								
9060_PSEP	JW-EA09-SS38-12050 7	580-32803-49	Total Organic Carbon	27000	mg/Kg			
9060_PSEP	JW-EA09-SS38-12050 7	580-32803-49 DU	Total Organic Carbon	26800	mg/Kg	2	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143		Date: 11/07/2012 13:34									
						LCS Source: TOCS_LCS_00003					
9060_PS EP	LCS 580-124143/4	Total Organic Carbon	2780		mg/Kg	2850	97	34-166	10		
Batch ID: 124168		Date: 11/07/2012 17:41									
						LCS Source: TOCS_LCS_00003					
9060_PS EP	LCS 580-124168/4	Total Organic Carbon	3100		mg/Kg	2850	109	34-166	4		

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 124143		Date: 11/07/2012 13:36									
						LCSD Source: TOCS_LCS_00003					
9060_PS EP	LCSD 580-124143/5	Total Organic Carbon	3070		mg/Kg	2850	108	34-166	10		
Batch ID: 124168		Date: 11/07/2012 17:43									
						LCSD Source: TOCS_LCS_00003					
9060_PS EP	LCSD 580-124168/5	Total Organic Carbon	3220		mg/Kg	2850	113	34-166	4		

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-2
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 11/07/2012 13:28 End Date: 11/07/2012 15:31

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-124143/1	1		13:28	X															
ICB 580-124143/2	1		13:30	X															
MB 580-124143/3	1	T	13:32	X															
LCS 580-124143/4	1	T	13:34	X															
LCSD 580-124143/5	1	T	13:36	X															
580-32803-5	1	T	13:39	X															
580-32803-5 DU	1	T	13:43	X															
580-32803-5 MS	1	T	13:48	X															
580-32803-5 MSD	1	T	13:51	X															
580-32803-6	1	T	13:53	X															
580-32803-8	1	T	13:57	X															
580-32803-9	1	T	14:02	X															
580-32803-11	1	T	14:06	X															
580-32803-12	1	T	14:10	X															
580-32803-13	1	T	14:15	X															
580-32803-14	1	T	14:19	X															
580-32803-22	1	T	14:24	X															
580-32803-23	1	T	14:28	X															
CCV 580-124143/19	1		14:33	X															
CCB 580-124143/20	1		14:35	X															
580-32803-24	1	T	14:37	X															
580-32803-25	1	T	14:42	X															
580-32803-32	1	T	14:46	X															
580-32803-33	1	T	14:50	X															
580-32803-37	1	T	14:55	X															
580-32803-38	1	T	14:59	X															
580-32803-39	1	T	15:04	X															
580-32803-40	1	T	15:08	X															
580-32803-47	1	T	15:13	X															
580-32803-48	1	T	15:17	X															
CCV 580-124143/31	1		15:29	X															
CCB 580-124143/32	1		15:31	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 11/07/2012 17:34 End Date: 11/07/2012 18:15

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-124168/1	1		17:34	X															
ICB 580-124168/2	1		17:36	X															
MB 580-124168/3	1	T	17:39	X															
LCS 580-124168/4	1	T	17:41	X															
LCSD 580-124168/5	1	T	17:43	X															
580-32803-49	1	T	17:45	X															
580-32803-49 DU	1	T	17:49	X															
580-32803-49 MS	1	T	17:54	X															
580-32803-49 MSD	1	T	17:57	X															
580-32803-50	1	T	17:59	X															
580-32803-51	1	T	18:04	X															
580-32803-52	1	T	18:08	X															
CCV 580-124168/13	1		18:13	X															
CCB 580-124168/14	1		18:15	X															

Prep Types
T = Total/NA

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TA SOIL LINNEAR Calibration - Read Only

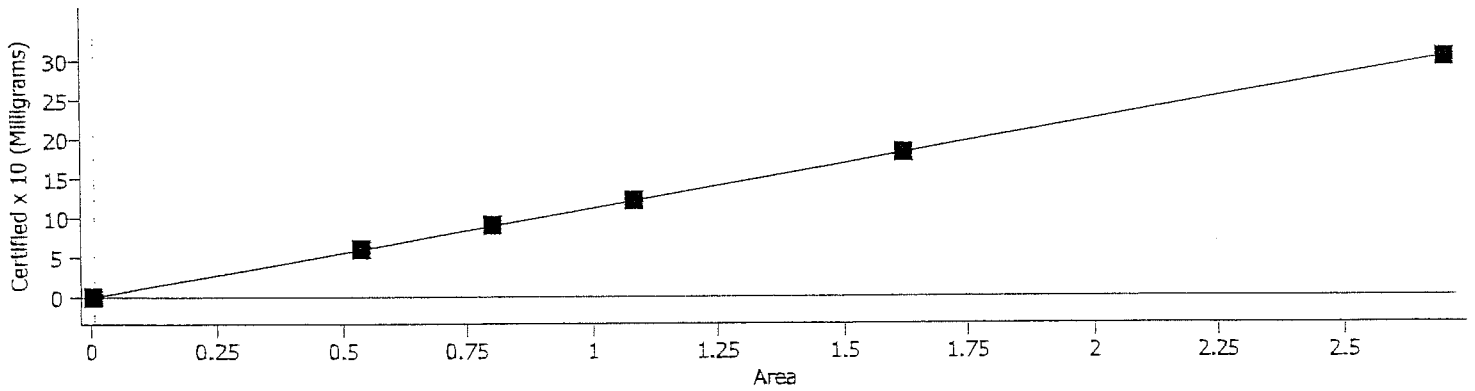
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$y = +1.12453x - 0.00721171$
Date: 6/2/2012 10:08:33 AM

New Calibration:

$y = +1.12453x - 0.00721171$
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.00000000000054		100.00	100.00	22.599	0.00641312	5.000E+0	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

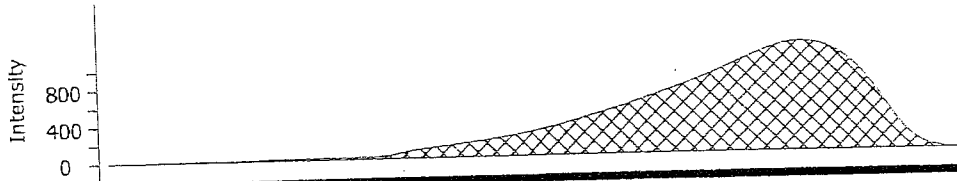
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6/2/2012 9:47:52 AM

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

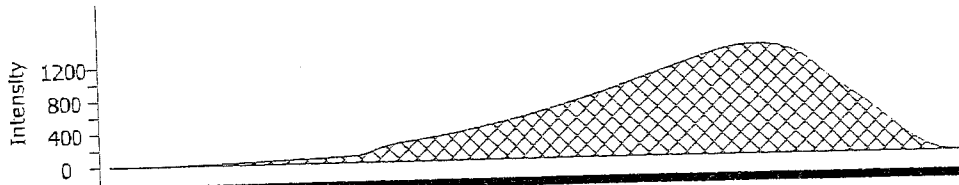
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

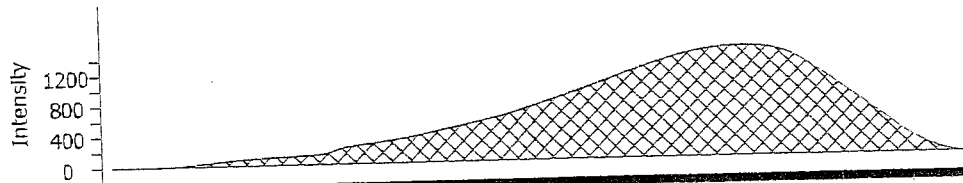
Carbon %
11.88



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

Carbon %
11.96

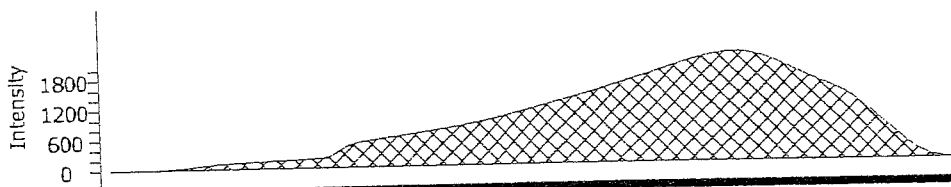


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501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

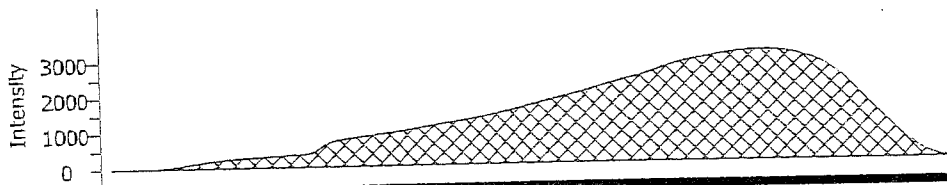
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06



Element	Average	Std. Deviation	RSD	Count
Mass	0.1260	0.08	63.08	5
Carbon %	11.97	0.071	0.596	5

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2057	TA SOIL LINNEAR	11/7/2012 1:28:04 PM	12.01	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1920	TA SOIL LINNEAR	11/7/2012 1:30:15 PM	-0.03093	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1934	TA SOIL LINNEAR	11/7/2012 1:32:15 PM	-0.02248	A03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.2032	TA SOIL LINNEAR	11/7/2012 1:34:33 PM	0.2778	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.2008	TA SOIL LINNEAR	11/7/2012 1:36:52 PM	0.3069	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5		0.2088	TA SOIL LINNEAR	11/7/2012 1:39:03 PM	3.478	A06
32803-B-5		0.1984	TA SOIL LINNEAR	11/7/2012 1:41:14 PM	3.234	A07
Average		0.2036			3.356	
Std. Deviation		0.007			0.1724	
RSD		3.612			5.138	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 DU		0.2037	TA SOIL LINNEAR	11/7/2012 1:43:25 PM	3.416	A08
32803-B-5 DU		0.2040	TA SOIL LINNEAR	11/7/2012 1:45:36 PM	3.272	A09
Average		0.2038			3.344	
Std. Deviation		0.0002			0.1020	
RSD		0.104			3.050	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 MS	0.0949	0.0973	TA SOIL LINNEAR	11/7/2012 1:48:16 PM	15.42	A10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-5 MSD	0.1065	0.1050	TA SOIL LINNEAR	11/7/2012 1:51:05 PM	16.28	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-D-6		0.2033	TA SOIL LINNEAR	11/7/2012 1:53:16 PM	3.536	B02
32803-D-6		0.2084	TA SOIL LINNEAR	11/7/2012 1:55:27 PM	3.517	B03
Average		0.2059			3.527	
Std. Deviation		0.004			0.0133	
RSD		1.752			0.377	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-8		0.2049	TA SOIL LINNEAR	11/7/2012 1:57:38 PM	2.245	B04

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-8		0.2082	TA SOIL LINNEAR	11/7/2012 1:59:50 PM	2.161	B05
Average		0.2066			2.203	
Std. Deviation		0.002			0.0596	
RSD		1.130			2.705	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-C-9		0.1947	TA SOIL LINNEAR	11/7/2012 2:02:01 PM	2.630	B06
32803-C-9		0.2081	TA SOIL LINNEAR	11/7/2012 2:04:12 PM	2.516	B07
Average		0.2014			2.573	
Std. Deviation		0.009			0.0802	
RSD		4.705			3.118	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-11		0.2075	TA SOIL LINNEAR	11/7/2012 2:06:23 PM	1.256	B08
32803-B-11		0.2061	TA SOIL LINNEAR	11/7/2012 2:08:34 PM	1.274	B09
Average		0.2068			1.265	
Std. Deviation		0.0010			0.0126	
RSD		0.479			0.997	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-12		0.2040	TA SOIL LINNEAR	11/7/2012 2:10:47 PM	2.889	B10
32803-B-12		0.1971	TA SOIL LINNEAR	11/7/2012 2:12:59 PM	2.886	C01
Average		0.2006			2.887	
Std. Deviation		0.005			0.0021	
RSD		2.433			0.073	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-13		0.1942	TA SOIL LINNEAR	11/7/2012 2:15:10 PM	2.494	C02
32803-B-13		0.1948	TA SOIL LINNEAR	11/7/2012 2:17:21 PM	2.699	C03
Average		0.1945			2.596	
Std. Deviation		0.0004			0.1450	
RSD		0.218			5.586	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-14		0.2016	TA SOIL LINNEAR	11/7/2012 2:19:33 PM	1.261	C04
32803-B-14		0.2030	TA SOIL LINNEAR	11/7/2012 2:21:45 PM	0.9495	C05
Average		0.2023			1.105	
Std. Deviation		0.0010			0.2199	
RSD		0.489			19.90	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-22		0.2065	TA SOIL LINNEAR	11/7/2012 2:24:00 PM	3.434	C06

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-22		0.2070	TA SOIL LINNEAR	11/7/2012 2:26:11 PM	3.632	C07
Average		0.2068			3.533	
Std. Deviation		0.0004			0.1394	
RSD		0.171			3.945	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-23		0.2059	TA SOIL LINNEAR	11/7/2012 2:28:22 PM	2.041	C08
32803-B-23		0.2064	TA SOIL LINNEAR	11/7/2012 2:30:33 PM	2.074	C09
Average		0.2062			2.057	
Std. Deviation		0.0004			0.0237	
RSD		0.172			1.153	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1066	TA SOIL LINNEAR	11/7/2012 2:33:22 PM	12.50	C10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.1922	TA SOIL LINNEAR	11/7/2012 2:35:35 PM	-0.02735	D01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-24		0.2060	TA SOIL LINNEAR	11/7/2012 2:37:50 PM	3.263	D02
32803-B-24		0.2033	TA SOIL LINNEAR	11/7/2012 2:40:02 PM	3.052	D03
Average		0.2047			3.158	
Std. Deviation		0.002			0.1493	
RSD		0.933			4.727	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-25		0.2023	TA SOIL LINNEAR	11/7/2012 2:42:14 PM	2.685	D04
32803-B-25		0.2026	TA SOIL LINNEAR	11/7/2012 2:44:25 PM	2.771	D05
Average		0.2025			2.728	
Std. Deviation		0.0002			0.0603	
RSD		0.105			2.209	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-32		0.2006	TA SOIL LINNEAR	11/7/2012 2:46:36 PM	2.562	D06
32803-B-32		0.2053	TA SOIL LINNEAR	11/7/2012 2:48:47 PM	2.564	D07
Average		0.2030			2.563	
Std. Deviation		0.003			0.0014	
RSD		1.638			0.055	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-33		0.1937	TA SOIL LINNEAR	11/7/2012 2:50:59 PM	2.526	D08
32803-B-33		0.2049	TA SOIL LINNEAR	11/7/2012 2:53:13 PM	2.581	D09
Average		0.1993			2.554	

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.008			0.0388	
RSD		3.974			1.521	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-37		0.2004	TA SOIL LINNEAR	11/7/2012 2:55:28 PM	1.643	D10
32803-B-37		0.2048	TA SOIL LINNEAR	11/7/2012 2:57:39 PM	2.150	E01
Average		0.2026			1.897	
Std. Deviation		0.003			0.3590	
RSD		1.536			18.93	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-38		0.2097	TA SOIL LINNEAR	11/7/2012 2:59:51 PM	1.736	E02
32803-B-38		0.2074	TA SOIL LINNEAR	11/7/2012 3:02:03 PM	1.874	E03
Average		0.2086			1.805	
Std. Deviation		0.002			0.0975	
RSD		0.780			5.400	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-39		0.1975	TA SOIL LINNEAR	11/7/2012 3:04:15 PM	2.160	E04
32803-B-39		0.2080	TA SOIL LINNEAR	11/7/2012 3:06:27 PM	1.726	E05
Average		0.2027			1.943	
Std. Deviation		0.007			0.3068	
RSD		3.662			15.80	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-40		0.1915	TA SOIL LINNEAR	11/7/2012 3:08:38 PM	1.275	E06
32803-B-40		0.2089	TA SOIL LINNEAR	11/7/2012 3:10:49 PM	1.267	E07
Average		0.2002			1.271	
Std. Deviation		0.01			0.0063	
RSD		6.146			0.495	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-47		0.1920	TA SOIL LINNEAR	11/7/2012 3:13:00 PM	0.8467	E08
32803-B-47		0.2088	TA SOIL LINNEAR	11/7/2012 3:15:11 PM	0.8773	E09
Average		0.2004			0.8620	
Std. Deviation		0.01			0.02164	
RSD		5.928			2.511	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-48		0.2072	TA SOIL LINNEAR	11/7/2012 3:17:22 PM	1.910	E10
32803-B-48		0.2095	TA SOIL LINNEAR	11/7/2012 5:26:21 PM	1.678	A01
Average		0.2083			1.794	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.002			0.1645	
RSD		0.781			9.166	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1041	TA SOIL LINNEAR	11/7/2012 5:29:18 PM	12.12	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2004	TA SOIL LINNEAR	11/7/2012 5:31:29 PM	-0.02890	A03

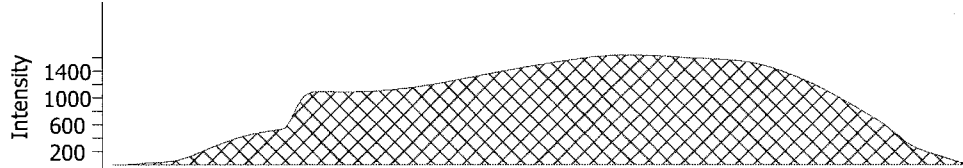
Element	Average	Std. Deviation	RSD	Count
Mass	0.1951	0.03	13.86	53
Carbon %	3.148	3.6180	114.9	53

SC632

ICV

Name	Description	Mass	Method
ICV		0.2057	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:28:04 PM	A01		

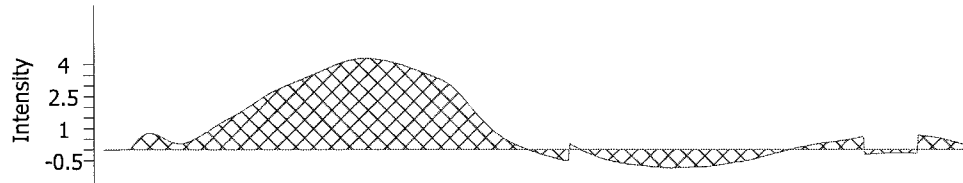
Carbon %
12.01



ICB

Name	Description	Mass	Method
ICB		0.1920	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:30:15 PM	A02		

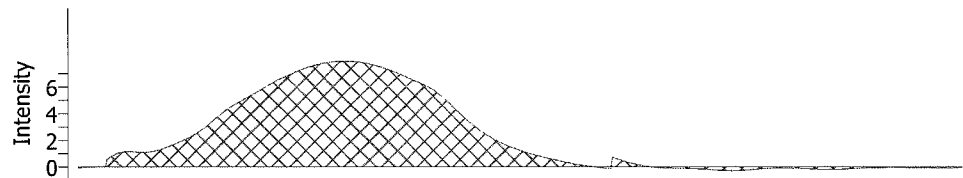
Carbon %
-0.03093



MB

Name	Description	Mass	Method
MB		0.1934	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:32:15 PM	A03		

Carbon %
-0.02248

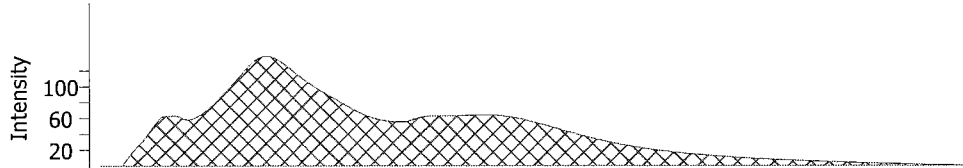


SC632

LCS

Name	Description	Mass	Method
LCS		0.2032	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:34:33 PM		A04	

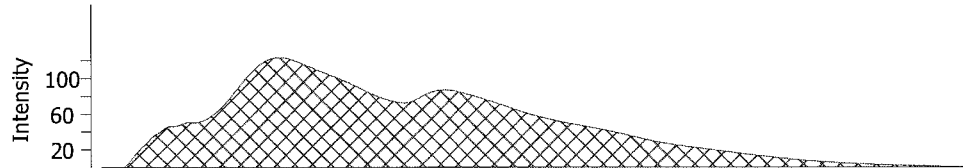
Carbon %
0.2778



LCSD

Name	Description	Mass	Method
LCSD		0.2008	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:36:52 PM		A05	

Carbon %
0.3069



32803-B-5

Name	Description	Mass	Method
32803-B-5		0.2088	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:39:03 PM		A06	

Carbon %
3.478



SC632

32803-B-5

Name	Description	Mass	Method
32803-B-5		0.1984	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:41:14 PM	A07		

Carbon %
3.234



32803-B-5 DU

Name	Description	Mass	Method
32803-B-5 DU		0.2037	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:43:25 PM	A08		

Carbon %
3.416



32803-B-5 DU

Name	Description	Mass	Method
32803-B-5 DU		0.2040	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 1:45:36 PM	A09		

Carbon %
3.272

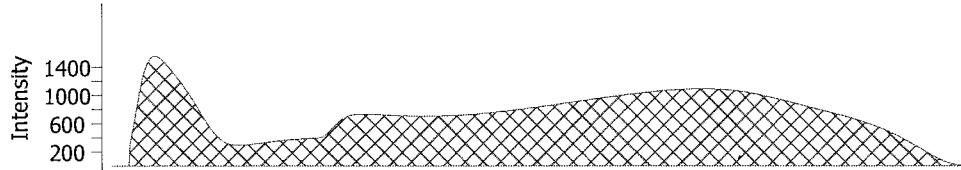


SC632

32803-B-5 MS

Name	Description	Mass	Method
32803-B-5 MS	0.0949	0.0973	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:48:16 PM		A10	

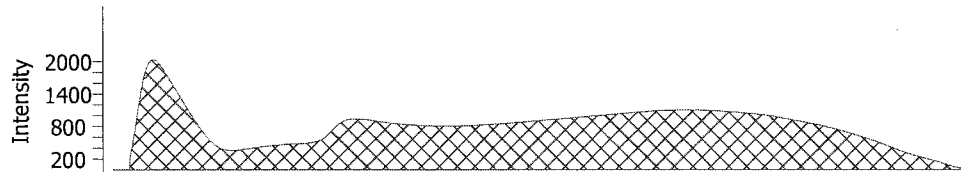
Carbon %
15.42



32803-B-5 MSD

Name	Description	Mass	Method
32803-B-5 MSD	0.1065	0.1050	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:51:05 PM		B01	

Carbon %
16.28



32803-D-6

Name	Description	Mass	Method
32803-D-6		0.2033	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:53:16 PM		B02	

Carbon %
3.536



SC632

32803-D-6

Name	Description	Mass	Method
32803-D-6		0.2084	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:55:27 PM		B03	

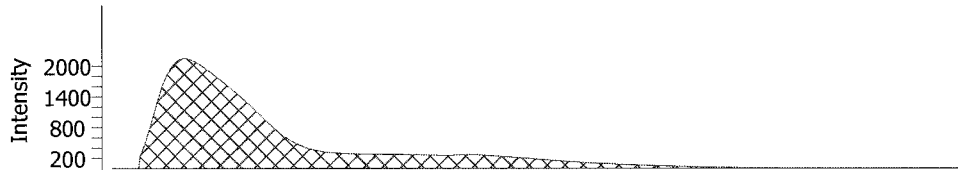
Carbon %
3.517



32803-B-8

Name	Description	Mass	Method
32803-B-8		0.2049	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:57:38 PM		B04	

Carbon %
2.245



32803-B-8

Name	Description	Mass	Method
32803-B-8		0.2082	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 1:59:50 PM		B05	

Carbon %
2.161

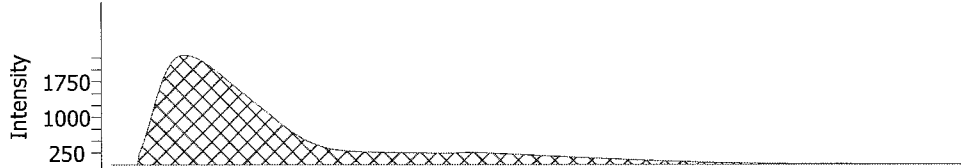


SC632

32803-C-9

Name	Description	Mass	Method
32803-C-9		0.1947	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:02:01 PM		B06	

Carbon %
2.630



32803-C-9

Name	Description	Mass	Method
32803-C-9		0.2081	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:04:12 PM		B07	

Carbon %
2.516



32803-B-11

Name	Description	Mass	Method
32803-B-11		0.2075	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:06:23 PM		B08	

Carbon %
1.256

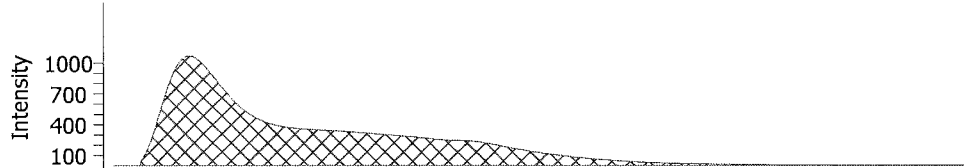


SC632

32803-B-11

Name	Description	Mass	Method
32803-B-11		0.2061	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:08:34 PM		B09	

Carbon %
1.274



32803-B-12

Name	Description	Mass	Method
32803-B-12		0.2040	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:10:47 PM		B10	

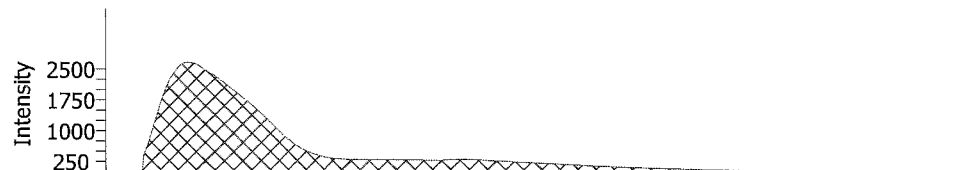
Carbon %
2.889



32803-B-12

Name	Description	Mass	Method
32803-B-12		0.1971	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:12:59 PM		C01	

Carbon %
2.886

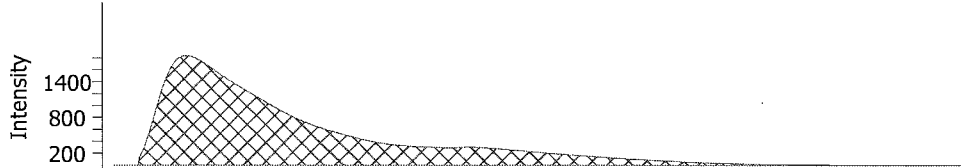


SC632

32803-B-13

Name	Description	Mass	Method
32803-B-13		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:15:10 PM	C02		

Carbon %
2.494



32803-B-13

Name	Description	Mass	Method
32803-B-13		0.1948	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:17:21 PM	C03		

Carbon %
2.699



32803-B-14

Name	Description	Mass	Method
32803-B-14		0.2016	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:19:33 PM	C04		

Carbon %
1.261



SC632

32803-B-14

Name	Description	Mass	Method
32803-B-14		0.2030	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:21:45 PM		C05	

Carbon %
0.9495



32803-B-22

Name	Description	Mass	Method
32803-B-22		0.2065	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:24:00 PM		C06	

Carbon %
3.434



32803-B-22

Name	Description	Mass	Method
32803-B-22		0.2070	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:26:11 PM		C07	

Carbon %
3.632



SC632

32803-B-23

Name	Description	Mass	Method
32803-B-23		0.2059	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:28:22 PM		C08	

Carbon %
2.041



32803-B-23

Name	Description	Mass	Method
32803-B-23		0.2064	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:30:33 PM		C09	

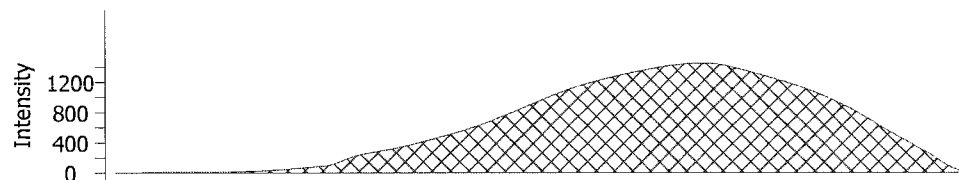
Carbon %
2.074



CCV-1

Name	Description	Mass	Method
CCV-1		0.1066	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:33:22 PM		C10	

Carbon %
12.50

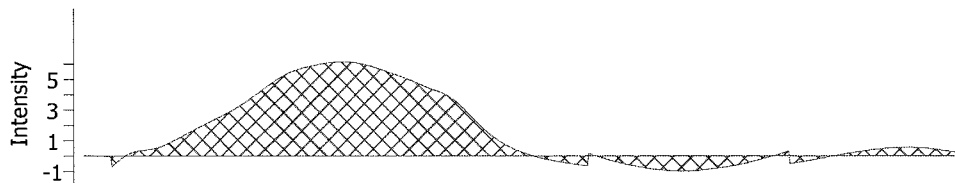


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.1922	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:35:35 PM		D01	

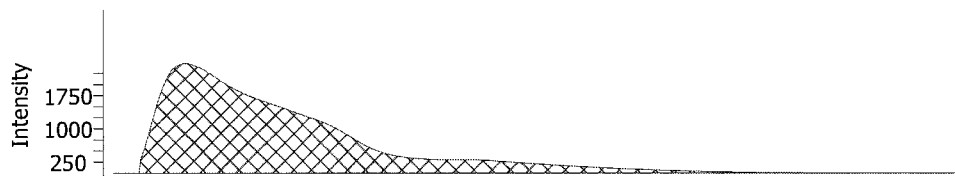
Carbon %
-0.02735



32803-B-24

Name	Description	Mass	Method
32803-B-24		0.2060	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:37:50 PM		D02	

Carbon %
3.263



32803-B-24

Name	Description	Mass	Method
32803-B-24		0.2033	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:40:02 PM		D03	

Carbon %
3.052



SC632

32803-B-25

Name	Description	Mass	Method
32803-B-25		0.2023	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:42:14 PM	D04		

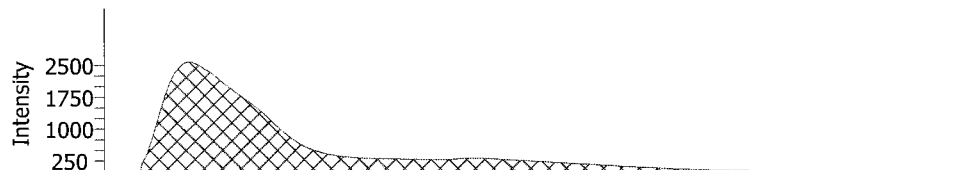
Carbon %
2.685



32803-B-25

Name	Description	Mass	Method
32803-B-25		0.2026	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:44:25 PM	D05		

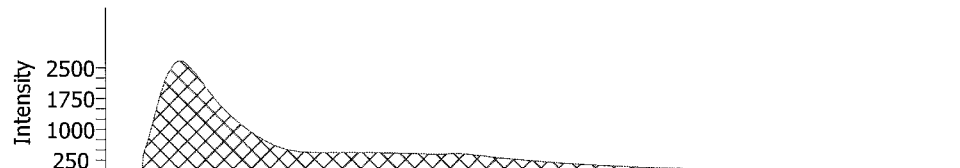
Carbon %
2.771



32803-B-32

Name	Description	Mass	Method
32803-B-32		0.2006	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 2:46:36 PM	D06		

Carbon %
2.562



SC632

32803-B-32

Name	Description	Mass	Method
32803-B-32		0.2053	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:48:47 PM		D07	

Carbon %
2.564



32803-B-33

Name	Description	Mass	Method
32803-B-33		0.1937	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:50:59 PM		D08	

Carbon %
2.526



32803-B-33

Name	Description	Mass	Method
32803-B-33		0.2049	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:53:13 PM		D09	

Carbon %
2.581

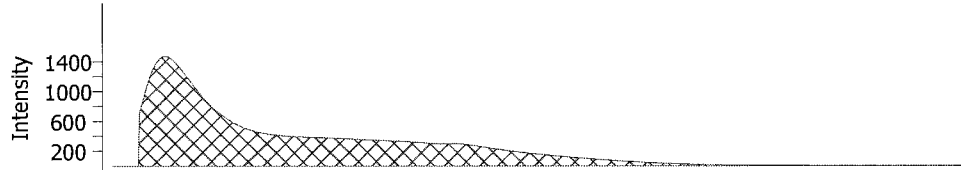


SC632

32803-B-37

Name	Description	Mass	Method
32803-B-37		0.2004	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:55:28 PM		D10	

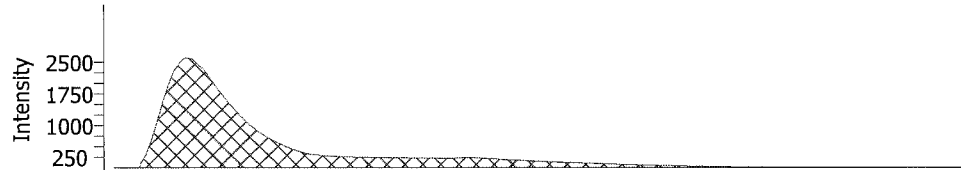
Carbon %
1.643



32803-B-37

Name	Description	Mass	Method
32803-B-37		0.2048	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:57:39 PM		E01	

Carbon %
2.150



32803-B-38

Name	Description	Mass	Method
32803-B-38		0.2097	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 2:59:51 PM		E02	

Carbon %
1.736



SC632

32803-B-38

Name	Description	Mass	Method
32803-B-38		0.2074	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:02:03 PM		E03	

Carbon %
1.874



32803-B-39

Name	Description	Mass	Method
32803-B-39		0.1975	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:04:15 PM		E04	

Carbon %
2.160



32803-B-39

Name	Description	Mass	Method
32803-B-39		0.2080	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:06:27 PM		E05	

Carbon %
1.726

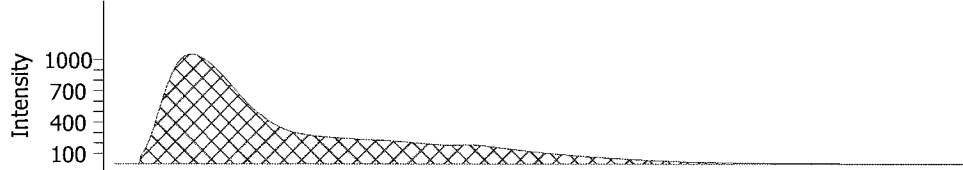


SC632

32803-B-40

Name	Description	Mass	Method
32803-B-40		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:08:38 PM		E06	

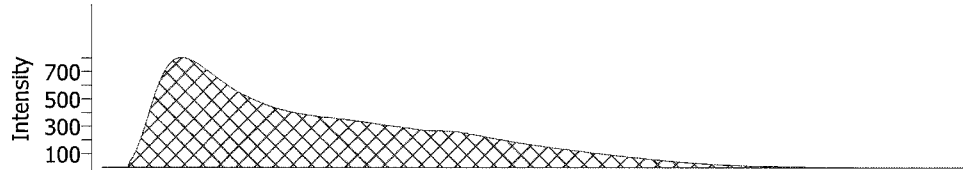
Carbon %
1.275



32803-B-40

Name	Description	Mass	Method
32803-B-40		0.2089	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:10:49 PM		E07	

Carbon %
1.267



32803-B-47

Name	Description	Mass	Method
32803-B-47		0.1920	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 3:13:00 PM		E08	

Carbon %
0.8467



SC632

32803-B-47

Name	Description	Mass	Method
32803-B-47		0.2088	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 3:15:11 PM	E09		

Carbon %
0.8773



32803-B-48

Name	Description	Mass	Method
32803-B-48		0.2072	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 3:17:22 PM	E10		

Carbon %
1.910



32803-B-48

Name	Description	Mass	Method
32803-B-48		0.2095	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:26:21 PM	A01		

Carbon %
1.678

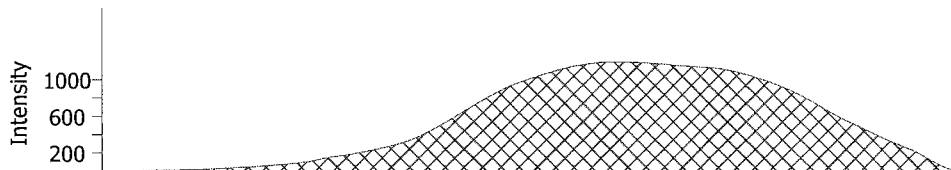


SC632

CCV-2

Name	Description	Mass	Method
CCV-2		0.1041	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:29:18 PM		A02	

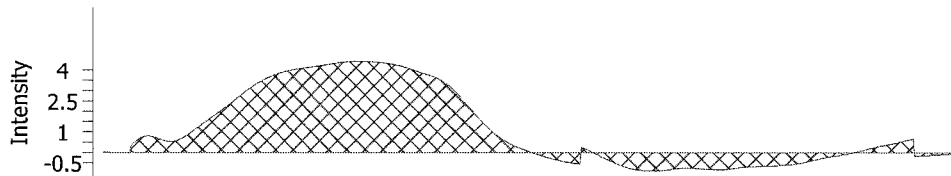
Carbon %
12.12



CCB-2

Name	Description	Mass	Method
CCB-2		0.2004	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:31:29 PM		A03	

Carbon %
-0.02890



Element	Average	Std. Deviation	RSD	Count
Mass	0.1951	0.03	13.86	53
Carbon %	3.148	3.6180	114.9	53

SC632

TA SOIL LINNEAR Calibration - Read Only

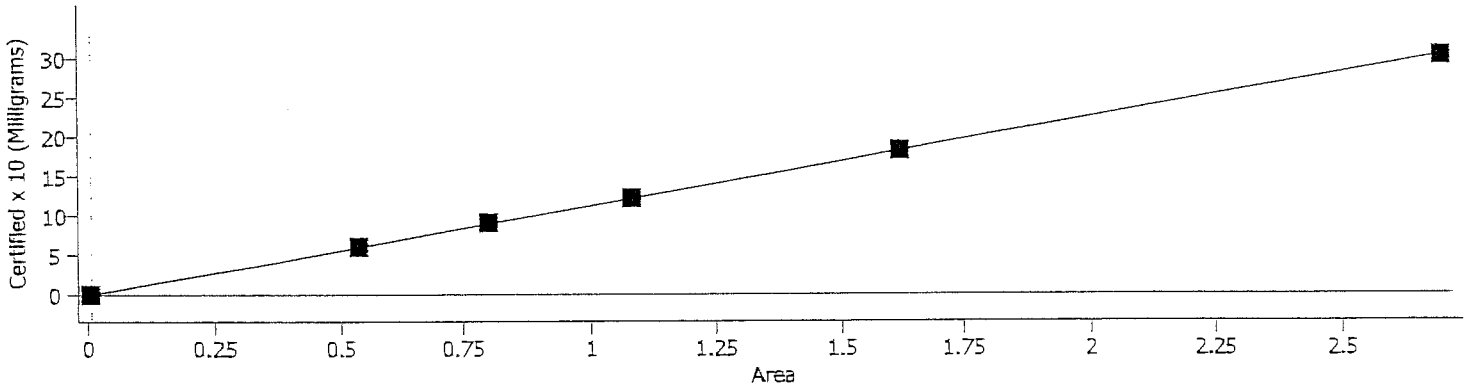
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

$y = +1.12453x - 0.00721171$
Date: 6/2/2012 10:08:33 AM

New Calibration:

$y = +1.12453x - 0.00721171$
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.0000000000054		100.00	100.00	22.599	0.00641312	5.000E+	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

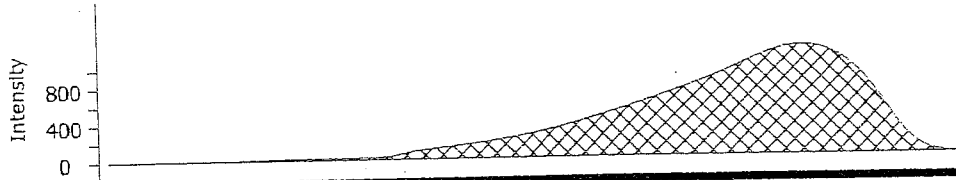
SC632

6/2/2012 9:47:52 AM

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

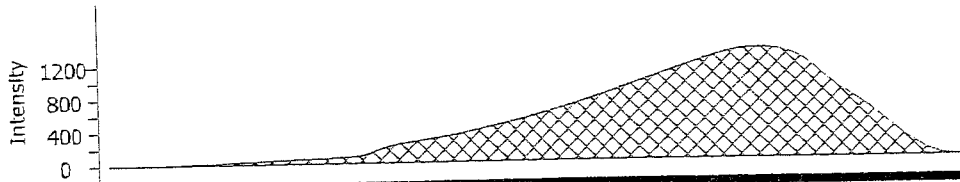
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

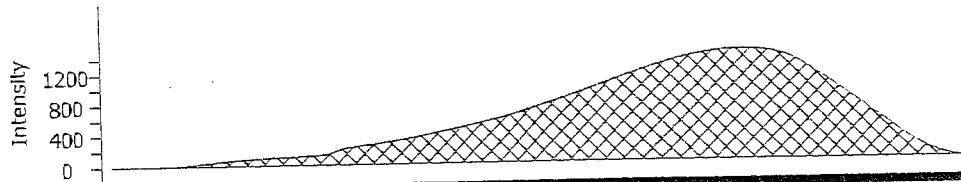
Carbon %
11.88



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

Carbon %
11.96

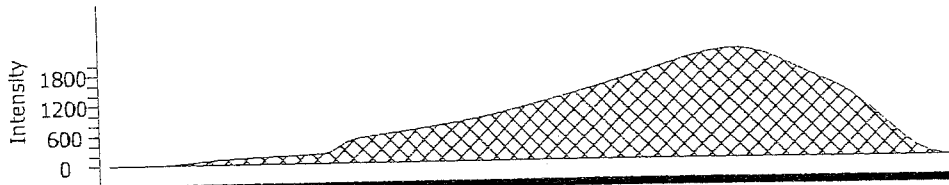


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

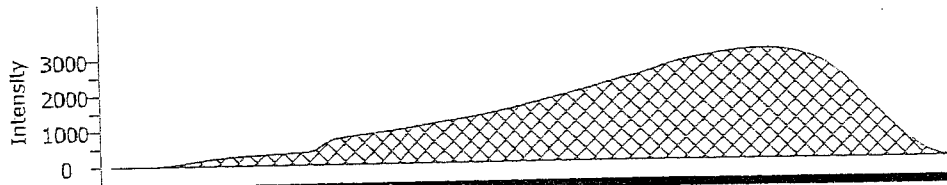
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06



Element	Average	Std. Deviation	RSD	Count
Mass	0.1260	0.08	63.08	5
Carbon %	11.97	0.071	0.596	5

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2043	TA SOIL LINNEAR	11/7/2012 5:34:40 PM	12.36	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.2022	TA SOIL LINNEAR	11/7/2012 5:36:51 PM	-0.02753	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.1975	TA SOIL LINNEAR	11/7/2012 5:39:02 PM	-0.02788	A06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.2020	TA SOIL LINNEAR	11/7/2012 5:41:17 PM	0.3095	A07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.1995	TA SOIL LINNEAR	11/7/2012 5:43:36 PM	0.3216	A08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49		0.1996	TA SOIL LINNEAR	11/7/2012 5:45:47 PM	2.728	A09
32803-B-49		0.2025	TA SOIL LINNEAR	11/7/2012 5:47:47 PM	2.724	A10
Average		0.2011			2.726	
Std. Deviation		0.002			0.0025	
RSD		1.020			0.091	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49 DU		0.2028	TA SOIL LINNEAR	11/7/2012 5:49:58 PM	2.775	B01
32803-B-49 DU		0.1915	TA SOIL LINNEAR	11/7/2012 5:51:57 PM	2.591	B02
Average		0.1971			2.683	
Std. Deviation		0.008			0.1297	
RSD		4.053			4.833	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49 MS	0.0970	0.0953	TA SOIL LINNEAR	11/7/2012 5:54:47 PM	15.55	B03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-49-MSD	0.0886	0.0910	TA SOIL LINNEAR	11/7/2012 5:57:31 PM	14.91	B04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-50		0.1906	TA SOIL LINNEAR	11/7/2012 5:59:43 PM	2.385	B05
32803-B-50		0.2034	TA SOIL LINNEAR	11/7/2012 6:01:54 PM	2.633	B06
Average		0.1970			2.509	
Std. Deviation		0.009			0.1755	
RSD		4.594			6.992	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-51		0.2038	TA SOIL LINNEAR	11/7/2012 6:04:05 PM	1.950	B07

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-51		0.2028	TA SOIL LINNEAR	11/7/2012 6:06:05 PM	1.948	B08
Average		0.2033			1.949	
Std. Deviation		0.0007			0.0015	
RSD		0.348			0.077	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-52		0.2032	TA SOIL LINNEAR	11/7/2012 6:08:20 PM	2.122	B09
32803-B-52		0.2013	TA SOIL LINNEAR	11/7/2012 6:10:31 PM	2.134	B10
Average		0.2022			2.128	
Std. Deviation		0.001			0.0086	
RSD		0.664			0.406	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV		0.0961	TA SOIL LINNEAR	11/7/2012 6:13:18 PM	12.60	C01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB		0.2035	TA SOIL LINNEAR	11/7/2012 6:15:33 PM	-0.01730	C02

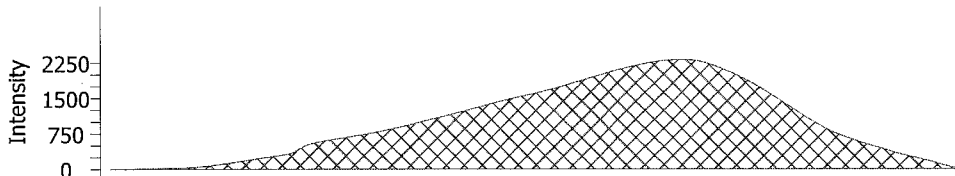
Element	Average	Std. Deviation	RSD	Count
Mass	0.1838	0.04	21.81	19
Carbon %	4.208	5.2580	124.9	19

SC632

ICV

Name	Description	Mass	Method
ICV		0.2043	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:34:40 PM	A04		

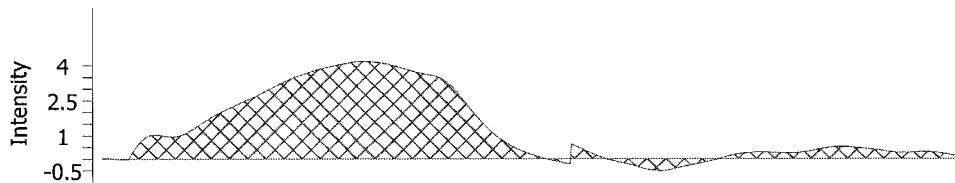
Carbon %
12.36



ICB

Name	Description	Mass	Method
ICB		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:36:51 PM	A05		

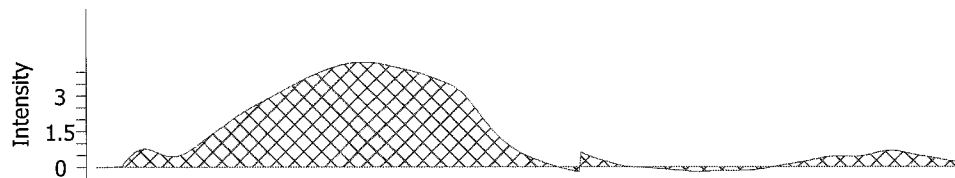
Carbon %
-0.02753



MB

Name	Description	Mass	Method
MB		0.1975	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:39:02 PM	A06		

Carbon %
-0.02788

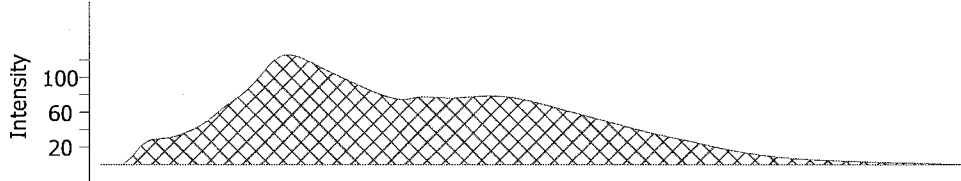


SC632

LCS

Name	Description	Mass	Method
LCS		0.2020	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:41:17 PM		A07	

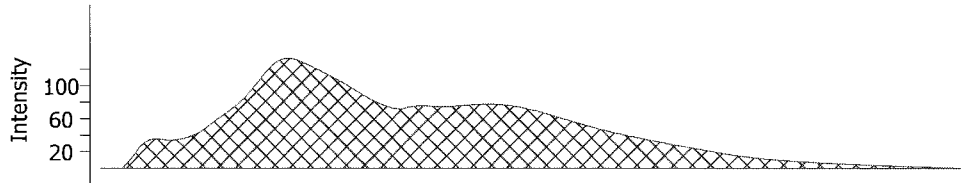
Carbon %
0.3095



LCSD

Name	Description	Mass	Method
LCSD		0.1995	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:43:36 PM		A08	

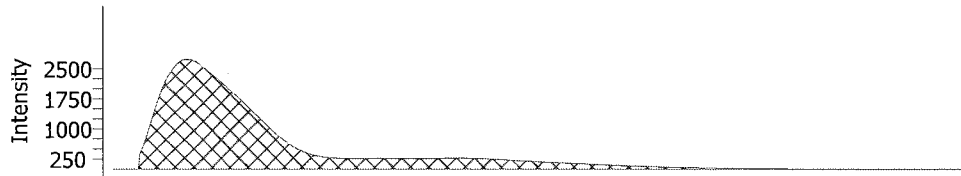
Carbon %
0.3216



32803-B-49

Name	Description	Mass	Method
32803-B-49		0.1996	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:45:47 PM		A09	

Carbon %
2.728

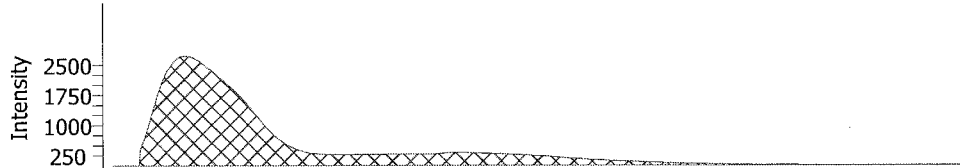


SC632

32803-B-49

Name	Description	Mass	Method
32803-B-49		0.2025	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:47:47 PM	A10		

Carbon %
2.724



32803-B-49 DU

Name	Description	Mass	Method
32803-B-49 DU		0.2028	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:49:58 PM	B01		

Carbon %
2.775



32803-B-49 DU

Name	Description	Mass	Method
32803-B-49 DU		0.1915	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 5:51:57 PM	B02		

Carbon %
2.591

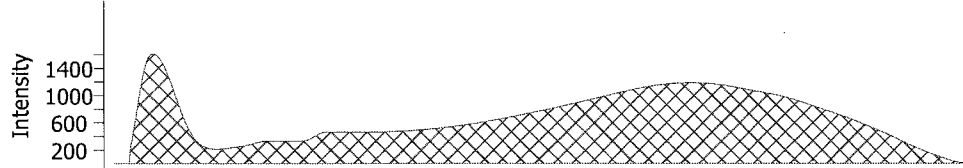


SC632

32803-B-49 MS

Name	Description	Mass	Method
32803-B-49 MS	0.0970	0.0953	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:54:47 PM		B03	

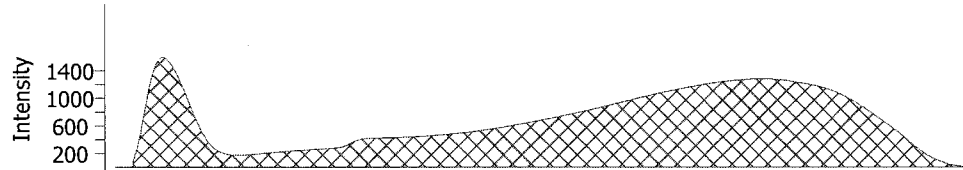
Carbon %
15.55



32803-B-49-MSD

Name	Description	Mass	Method
32803-B-49-MSD	0.0886	0.0910	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:57:31 PM		B04	

Carbon %
14.91



32803-B-50

Name	Description	Mass	Method
32803-B-50		0.1906	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 5:59:43 PM		B05	

Carbon %
2.385

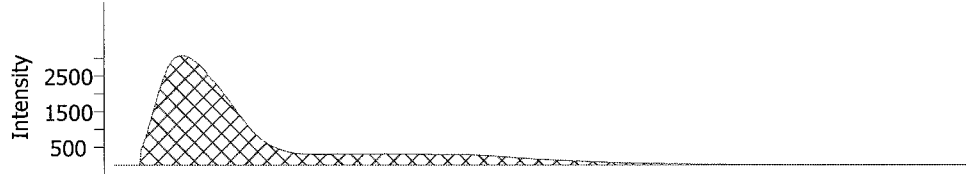


SC632

32803-B-50

Name	Description	Mass	Method
32803-B-50		0.2034	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:01:54 PM	B06		

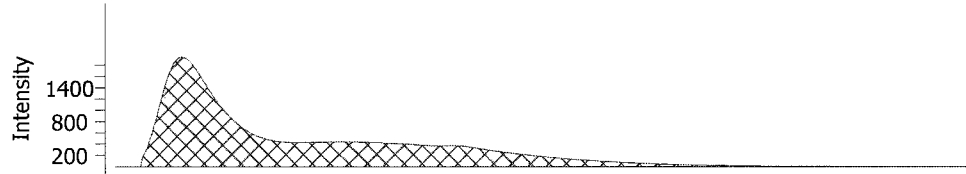
Carbon %
2.633



32803-B-51

Name	Description	Mass	Method
32803-B-51		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:04:05 PM	B07		

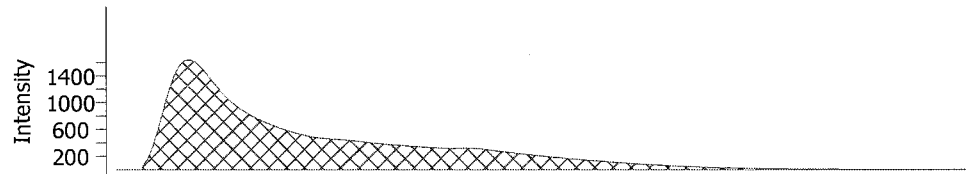
Carbon %
1.950



32803-B-51

Name	Description	Mass	Method
32803-B-51		0.2028	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:06:05 PM	B08		

Carbon %
1.948

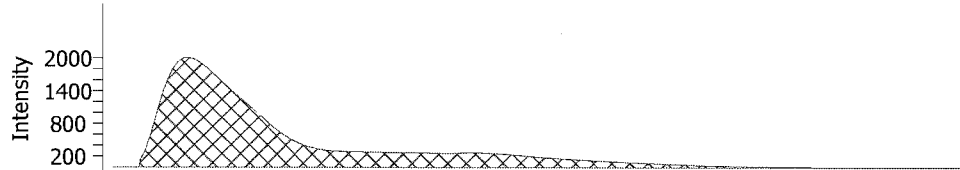


SC632

32803-B-52

Name	Description	Mass	Method
32803-B-52		0.2032	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:08:20 PM		B09	

Carbon %
2.122



32803-B-52

Name	Description	Mass	Method
32803-B-52		0.2013	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:10:31 PM		B10	

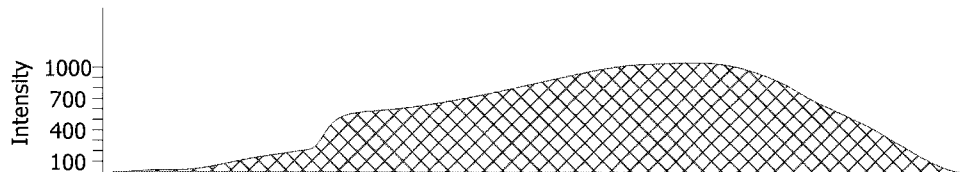
Carbon %
2.134



CCV

Name	Description	Mass	Method
CCV		0.0961	TA SOIL LINNEAR
Analysis Date		Location	
11/7/2012 6:13:18 PM		C01	

Carbon %
12.60

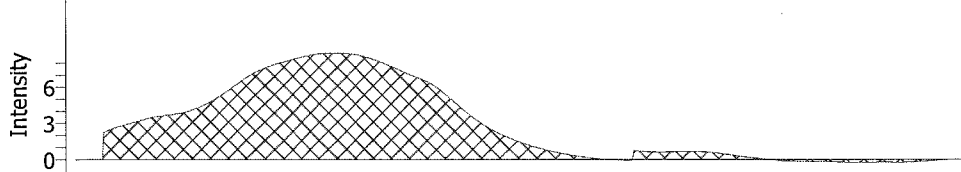


SC632

CCB

Name	Description	Mass	Method
CCB		0.2035	TA SOIL LINNEAR
Analysis Date	Location		
11/7/2012 6:15:33 PM	C02		

Carbon %
-0.01730



Element	Average	Std. Deviation	RSD	Count
Mass	0.1838	0.04	21.81	19
Carbon %	4.208	5.2580	124.9	19

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Batch Number: 124143 Batch Start Date: 11/06/12 12:14 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-124143/1		9060_PSEP				0.2057 g			
LCS 580-124143/4		9060_PSEP					0.2032 g		
LCSD 580-124143/5		9060_PSEP					0.2008 g		
580-32803-B-5 MS	JW-EA08-SS29-120 507	9060_PSEP	T	0.0973 g	0.0973 g	0.0949 g			
580-32803-B-5 MSD	JW-EA08-SS29-120 507	9060_PSEP	T	0.1050 g	0.1050 g	0.1065 g			
CCV 580-124143/19		9060_PSEP				0.1066 g			
CCV 580-124143/31		9060_PSEP				0.1041 g			

Batch Notes	
Lot # of Phosphoric Acid	978420

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-2

SDG No.: _____

Batch Number: 124168 Batch Start Date: 11/06/12 15:08 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-124168/1		9060_PSEP				0.2043 g			
LCS 580-124168/4		9060_PSEP					0.202 g		
LCSD 580-124168/5		9060_PSEP					0.1995 g		
580-32803-B-49 MS	JW-EA09-SS38-120 507	9060_PSEP	T	0.0953 g	0.0953 g	0.097 g			
580-32803-B-49 MSD	JW-EA09-SS38-120 507	9060_PSEP	T	0.0910 g	0.0910 g	0.0886 g			
CCV 580-124168/13		9060_PSEP				0.0961 g			

Batch Notes	
Lot # of Phosphoric Acid	978420

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

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Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

11/13/2012

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **5/7/2012** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206.287.9130/206.287.9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWFAL & Soliment WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01.01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00	X												
JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00	X												
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10	X												
JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10	X												
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15	X												
JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15	X												
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25	X												
JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25	X												
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00	X												
JW-EAD8-SS29-1205 (2)	5/7/12	11:10	X												
6. JW-EAS8-SS30-1205 (1)	5/7/12	15:10	X												
JW-EAS8-SS30-1205 (2)	5/7/12	15:10	X												
7. JW-EA08-SS31-1205 (1)	5/7/12	11:15	X												
JW-EA08-SS31-1205 (2)	5/7/12	11:15	X												

QC Requirements (Specify):

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print: _____ Date: _____ Time: _____

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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Rush
 Short Hold

Chain of
Custody Record

11/13/2012

Client: Jeld Wen Client Contact: Anchor GEA Date: 5/7/2012 Chain of Custody Number: 15107

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code)/Fax Number: 206-287-9130/206-287-9131 Lab Number: _____ Page 2 of 5

City: Seattle State: WA ZIP Code: 98101 Sampler: KC/NS Lab Contact: _____

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Nathan Socransky

Contract/Purchase Order/Quote No.: 1209109-01-01 Matrix: _____ Containers & Preservatives: _____

Special Instructions/Conditions of Receipt: _____

Sample ID and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)									
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl		NaOH	ZnAc/NaOH							
9 JM-EA08-SS32-1205 (1)	5/7/12	12:25			X															
10 JM-EA08-LDMP-1205 (2)	5/7/12	15:28			X															
11 JM-EA06-SS22-1205 (1)	5/7/12	11:17			X															
12 JM-EA06-SS21-1205 (1)	5/7/12	11:12			X															
13 JM-EA06-SS23-1205 (1)	5/7/12	11:30			X															
14 JM-EA06-SS24-1205 (1)	5/7/12	11:40			X															
15 JM-EA06-COMP-1205 (1)	5/7/12	16:00			X															
16 JM-EA06-SS29-1205 (2)	5/7/12	10:25			X															
17 JM-EA10-SS41-1205 (2)	5/7/12	12:44			X															
18 JM-EA10-SS40-1205 (2)	5/7/12	12:34			X															
19 JM-EA10-SS43-1205 (2)	5/7/12	12:20			X															
20 JM-EA10-SS43-1205 (2)	5/7/12	09:03			X															

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

1. Relinquished By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:16

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15128

11/18/2012

Client: Jeld Wen Client Contact: Anchor OEA Date: 5/7/2012 Lab Number: Page 3 of 5

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code)/Fax Number: 206.287.9130/206.287.9131

City: Seattle State: WA Zip Code: 98101 Sampler: LC/NS Lab Contact:

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Nathan Succow

Contract/Purchase Order/Quote No.: 120909-01D1

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl			NaOH	ZnAc/NaOH
21. JW-EA10-10MP-1205 (A)	5/7/12	10:14			X									
22. JW-EA07-SS28-1205 (1)	5/7/12	12:00			X									
23. JW-EA07-SS25-1205 (1)	5/7/12	11:44			X									
24. JW-EA07-SS27-1205 (1)	5/7/12	12:14			X									
25. JW-EA07-SS26-1205 (1)	5/7/12	11:50			X									
26. JW-EA07-68MP-1205 (1)	5/7/12	16:33			X									
27. JW-EA08-SS12-1205 (1)	5/7/12	13:00			X									
28. JW-EA03-SS10-1205 (1)	5/7/12	13:30			X									
29. JW-EA03-SS11-1205 (1)	5/7/12	14:00			X									
30. JW-EA03-10MP-1205 (1)	5/7/12	16:53			X									
31. JW-EA03-SS09-1205 (1)	5/7/12	13:45			X									
38. JW-EA02-SS05-1205 (1)	5/7/12	15:05			X									

Turn Around Time Required (business days):
 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Cooler Yes No Cooler Temp: _____ Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Sample Disposal Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:10pm Received By Sign/Print: Francisco Lopez Jr Date: 5/6/12 Time: 12:16

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____ Received By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples, CANARY - Returned to Client with Report, PINK - Field Copy

TAL-8274-680 (0210)

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Rush
 Short Hold

Chain of
Custody Record

Client: Jold Wen Client Contact: Andrew OEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KLINS Lab Contact: Analysis (Attach list if more space is needed)

Project Name and Location (State): Jold Wen Surface Sediment WA Billing Contact: Norman Socorsky Matrix: Containers & Preservatives: Special Instructions/ Conditions of Receipt:

Contract/Purchase Order/Quote No.: 12MD9-0101

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Archive	Date	Time	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl				NaOH
33 JW-EA02-SS06-1205 (1)	5/7/12	14:56	X											
34 JW-EA02-SS07-1205 (1)	5/7/12	15:11	X											
35 JW-EA02-SS08-1205 (1)	5/7/12	14:47	X											
36 JW-EA02-CAMP-1205 (1)	5/7/12	17:10	X											
37 JW-EA04-SS13-1205 (1)	5/7/12	12:55	X											
38 JW-EA04-SS14-1205 (1)	5/7/12	12:40	X											
39 JW-EA04-SS14-1205 (1)	5/7/12	12:50	X											
40 JW-EA04-SS15-1205 (1)	5/7/12	12:30	X											
41 JW-EA04-CAMP-1205 (1)	5/7/12	17:25	X											
42 JW-EA01-SS03-1205 (2)	5/7/12	15:10	X											
43 JW-EA01-SS04-1205 (2)	5/7/12	15:00	X											
44 JW-EA01-SS01-1205 (2)	5/7/12	15:22	X											

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Disposal For _____

1. Relinquished By Sign/Print: Andrew OEA Date: 5/8/12 Time: 12:16pm

2. Relinquished By Sign/Print: Francisco Luna Jr Date: 5/8/12 Time:

3. Relinquished By Sign/Print: Date: Time:

Comments: _____



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen				Analyses Requested							Notes/ Comments:
Lab: Test America		Surface Sediment				Ts/TDL/BC/Archive PAH	Ts/TDC/BC/GS/PAH	Archive	PAH				
Address: 5755 8 th Street E.		Proj. No.: 120909-01.01											
City, etc.: Tacoma WA 98424		Sampler: KL/NS											
Phone: 253-922-2310		Shipping Method:											
Fax: 253-922-5047		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
45 JW-EA01-SS02	1205 5/7/12	15:15	Sed	2	X								
46 JW-EA01-COMP	1205 5/7/12	17:39	Sed	2		X							
47 JW-EA09-SS37	1205 5/7/12	13:46	Sed	1			X						
48 JW-EA09-SS34	1205 5/7/12	14:11	Sed	2			X						
49 JW-EA09-SS38	1205 5/7/12	13:50	Sed	1			X						
50 JW-EA09-SS36	1205 5/7/12	14:01	Sed	1			X						
51 JW-EA09-SS33	1205 5/7/12	13:24	Sed	1			X						
52 JW-EA09-SS35	1205 5/7/12	13:36	Sed	1			X						
53 JW-EA09-COMP	1205 5/7/12	18:03	Sed	2		X							
54 JW-RB-1205	5/7/12	17:58		1				X					
55 JW-FB-1205	5/7/12	19:00		1				X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
<i>C. Field</i>			# of Coolers:	Cooler Temp(s):
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:	COC Seals Intact?	Bottles Intact?
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUAGA	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:		

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-2

Login Number: 32803

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 580-32803-3

Job Description: Jeld-Wen Surface Sediment

For:

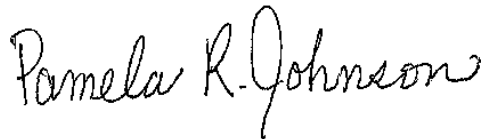
Anchor QEA LLC

720 Olive Way

Suite 1900

Seattle, WA 98101

Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
5/16/2013 1:02 PM

Pam R Johnson, Project Manager I
5755 8th Street East, Tacoma, WA, 98424
(253)922-2310 x112
pamr.johnson@testamericainc.com
05/16/2013

cc: Lab Data
Niki Masters

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This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32803-3

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/08/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6° C, 2.6° C, 3.8° C, 5.6° C, 12.7° C and 15.8° C.

Except:

Two of the six coolers were received at the laboratory outside the required temperature criteria . 12.7°C and 15.8°C.

The following samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for TOC and TS per client request via email on 04/30/13 10:45am.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 05/07/2013.

Samples were kept frozen until request for analysis, as such the hold time flags were not necessary and were removed by the analyst.

No other difficulties were encountered during the PSEP TOC analyses.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples JW-EA03-SS12-120507 (580-32803-27), JW-EA03-SS11-120507 (580-32803-29) and JW-EA02-SS07-120507 (580-32803-34) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/09/2013.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32803-27	JW-EA03-SS12-120507	Solid	05/07/2012 1300	05/08/2012 1420
580-32803-29	JW-EA03-SS11-120507	Solid	05/07/2012 1400	05/08/2012 1420
580-32803-34	JW-EA02-SS07-120507	Solid	05/07/2012 1511	05/08/2012 1420

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32803-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	

Lab References:

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

PSEP = Puget Sound Estuary Program

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA03-SS12-120507

Lab Sample ID: 580-32803-27

Date Sampled: 05/07/2012 1300

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1302				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	45		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N
Percent Moisture	55		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA03-SS11-120507

Lab Sample ID: 580-32803-29

Date Sampled: 05/07/2012 1400

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1317				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	47		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N
Percent Moisture	53		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32803-3

General Chemistry

Client Sample ID: JW-EA02-SS07-120507

Lab Sample ID: 580-32803-34

Date Sampled: 05/07/2012 1511

Client Matrix: Solid

Date Received: 05/08/2012 1420

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-135169		Analysis Date: 05/07/2013 1321				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	46		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N
Percent Moisture	54		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-135319		Analysis Date: 05/09/2013 1106				DryWt Corrected: N

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Method Blank - Batch: 580-135169

Lab Sample ID: MB 580-135169/3
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/07/2013 1256
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-135169
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

**Method: 9060_PSEP
 Preparation: N/A**

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume:
 Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

**Lab Control Sample/
 Lab Control Sample Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-135169/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/07/2013 1258
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-135169
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume:
 Final Weight/Volume:

LCSD Lab Sample ID: LCSD 580-135169/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/07/2013 1300
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 580-135169
 Prep Batch: N/A
 Leach Batch: N/A
 Units: mg/Kg

Instrument ID: No Equipment
 Lab File ID: N/A
 Initial Weight/Volume:
 Final Weight/Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Total Organic Carbon	108	105	34 - 166	2	35		

**Laboratory Control/
 Laboratory Duplicate Data Report - Batch: 580-135169**

**Method: 9060_PSEP
 Preparation: N/A**

LCS Lab Sample ID: LCS 580-135169/4
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/07/2013 1258
 Prep Date: N/A
 Leach Date: N/A

Units: mg/Kg

LCSD Lab Sample ID: LCSD 580-135169/5
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/07/2013 1300
 Prep Date: N/A
 Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	2850	2850	3070	3000

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1091 g
Analysis Date:	05/07/2013 1312			Final Weight/Volume:	0.1091 g
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1023 g
Analysis Date:	05/07/2013 1314			Final Weight/Volume:	0.1023 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	99	99	76 - 128	4	28		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 580-135169**

**Method: 9060_PSEP
Preparation: N/A**

MS Lab Sample ID:	580-32803-27	Units:	mg/Kg	MSD Lab Sample ID:	580-32803-27
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/07/2013 1312			Analysis Date:	05/07/2013 1314
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	22000	106000	111000	127000	132000

Duplicate - Batch: 580-135169

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	580-32803-27	Analysis Batch:	580-135169	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/07/2013 1307	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	22000	22300	3	50	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Duplicate - Batch: 580-135319

**Method: D 2216
Preparation: N/A**

Lab Sample ID:	580-32803-29	Analysis Batch:	580-135319	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/09/2013 1106	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	47	47	0.03	20	
Percent Moisture	53	53	0.03	20	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:580-135169					
LCS 580-135169/4	Lab Control Sample	T	Solid	9060_PSEP	
LCSD 580-135169/5	Lab Control Sample Duplicate	T	Solid	9060_PSEP	
MB 580-135169/3	Method Blank	T	Solid	9060_PSEP	
580-32803-27	JW-EA03-SS12-120507	T	Solid	9060_PSEP	
580-32803-27DU	Duplicate	T	Solid	9060_PSEP	
580-32803-27MS	Matrix Spike	T	Solid	9060_PSEP	
580-32803-27MSD	Matrix Spike Duplicate	T	Solid	9060_PSEP	
580-32803-29	JW-EA03-SS11-120507	T	Solid	9060_PSEP	
580-32803-34	JW-EA02-SS07-120507	T	Solid	9060_PSEP	
Analysis Batch:580-135319					
580-32803-27	JW-EA03-SS12-120507	T	Solid	D 2216	
580-32803-29	JW-EA03-SS11-120507	T	Solid	D 2216	
580-32803-29DU	Duplicate	T	Solid	D 2216	
580-32803-34	JW-EA02-SS07-120507	T	Solid	D 2216	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Laboratory Chronicle

Lab ID: 580-32803-27

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27		580-135169		05/07/2013 13:02	1	TAL SEA	RB
A:D 2216	580-32803-B-27		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: 580-32803-27 MS

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 MS		580-135169		05/07/2013 13:12	1	TAL SEA	RB

Lab ID: 580-32803-27 MSD

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 MSD		580-135169		05/07/2013 13:14	1	TAL SEA	RB

Lab ID: 580-32803-27 DU

Client ID: JW-EA03-SS12-120507

Sample Date/Time: 05/07/2012 13:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-A-27 DU		580-135169		05/07/2013 13:07	1	TAL SEA	RB

Lab ID: 580-32803-29

Client ID: JW-EA03-SS11-120507

Sample Date/Time: 05/07/2012 14:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-29		580-135169		05/07/2013 13:17	1	TAL SEA	RB
A:D 2216	580-32803-B-29		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: 580-32803-29 DU

Client ID: JW-EA03-SS11-120507

Sample Date/Time: 05/07/2012 14:00

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:D 2216	580-32803-B-29 DU		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32803-3

Laboratory Chronicle

Lab ID: 580-32803-34

Client ID: JW-EA02-SS07-120507

Sample Date/Time: 05/07/2012 15:11

Received Date/Time: 05/08/2012 14:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32803-B-34		580-135169		05/07/2013 13:21	1	TAL SEA	RB
A:D 2216	580-32803-B-34		580-135319		05/09/2013 11:06	1	TAL SEA	RD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-135169/3		580-135169		05/07/2013 12:56	1	TAL SEA	RB

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-135169/4		580-135169		05/07/2013 12:58	1	TAL SEA	RB

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCSD 580-135169/5		580-135169		05/07/2013 13:00	1	TAL SEA	RB

Lab References:

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00003	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	120000 g
TOCS_LCS_00003	02/29/16		ERA, Lot D078-542		(Purchased Reagent)		Total Organic Carbon	2850 mg/Kg



A Waters Company

Certificate of Analysis

Lot No. D078-542

Nutrients in Soil

Catalog No. 542

Issue Date: July 22, 2012

Revision Date: Original

Certification

Parameter	Total Concentration ¹ (mg/kg)	Certified Value ² (mg/kg)	Uncertainty ³	QC PALs™ ⁴ (mg/kg)	PT PALs™ ⁵ (mg/kg)
ammonia as N	783	655	6.7%	332 - 977	355 - 955
total kjeldahl nitrogen	1250	1160	14.0%	666 - 1660	626 - 1700
total organic carbon	2850	2820	4.4%	1430 - 4220	794 - 4850
total phosphorus	855	799	6.3%	438 - 1160	180 - 1420

Revised 9-20-12
PALs ID: 979727 AJM

1. The **Total Concentrations** are equal to the digestable background concentrations in the blank soil matrix (determined internally by ERA using applicable methods), plus the amount of each analyte spiked onto the soil.

2. The **Certified Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The certified values are based on an "as received" basis, assuming a 100% solids content.

3. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA using applicable methods, multiplied by a coverage factor which is equal to the student t factor at a 95% confidence interval at n-1 degrees of freedom.

4. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The **QC PALs™** reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the **QC PALs™** to realistically evaluate your performance against your peers.

5. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the **PT PALs™** when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

6. This standard **expires 2/2016**. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com.

Certifying Officer: Tom Widera



REFERENCE MATERIAL PRODUCER
CERT # 1539.03

Certification Summary

Client: Anchor QEA LLC
Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32803-3

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAP	9	01115CA
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAP	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-EA03-SS12-120507</u>	<u>580-32803-27</u>
<u>JW-EA03-SS11-120507</u>	<u>580-32803-29</u>
<u>JW-EA02-SS07-120507</u>	<u>580-32803-34</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-SS12-120507

Lab Sample ID: 580-32803-27

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 13:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	22000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA03-SS11-120507

Lab Sample ID: 580-32803-29

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 14:00

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA02-SS07-120507

Lab Sample ID: 580-32803-34

Lab Name: TestAmerica Seattle

Job No.: 580-32803-3

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/07/2012 15:11

Reporting Basis: WET

Date Received: 05/08/2012 14:20

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	21000	2000	610	mg/Kg			1	9060_PSE P

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3
 SDG No.: _____
 Analyst: RB Batch Start Date: 05/07/2013
 Reporting Units: mg/Kg Analytical Batch No.: 135169

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	12:51	Total Organic Carbon	110000	120000	91	80-120		CaCO3_00003
2	ICB	12:53	Total Organic Carbon	ND					
15	CCV	13:52	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00003
16	CCB	13:56	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 135169 Date: 05/07/2013 12:56							
9060_PSEP	MB 580-135169/3	Total Organic Carbon	ND		mg/Kg	2000	1

5-IN
 MATRIX SPIKE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169 Date: 05/07/2013 13:12											
9060_PS EP	580-32803-27	Total Organic Carbon	22000		mg/Kg						
9060_PS EP	580-32803-27 MS	Total Organic Carbon	127000		mg/Kg	106000	99	76-128			

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169 Date: 05/07/2013 13:14											
9060_PS	580-32803-27	Total Organic Carbon	132000		mg/Kg	111000	99	76-128	4	28	
EP	MSD										

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 135169 Date: 05/07/2013 13:07								
9060_PSEP	JW-EA03-SS12-12050 7	580-32803-27	Total Organic Carbon	22000	mg/Kg			
9060_PSEP	JW-EA03-SS12-12050 7	580-32803-27 DU	Total Organic Carbon	22300	mg/Kg	3	50	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169		Date: 05/07/2013 12:58									
						LCS Source: TOCS_LCS_00003					
9060_PS	LCS	Total Organic Carbon	3070		mg/Kg	2850	108	34-166	2	35	
EP	580-135169/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE DUPLICATE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 135169		Date: 05/07/2013 13:00									
						LCSD Source: TOCS_LCS_00003					
9060_PS	LCSD	Total Organic Carbon	3000		mg/Kg	2850	105	34-166	2	35	
EP	580-135169/5										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32803-3
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/09/2013 11:06 End Date: 05/09/2013 11:06

Lab Sample ID	D / F	T y p e	Time	Analytes															
				% S o l	M o i s t														
580-32803-29	1	T	11:06	X	X														
580-32803-29 DU	1	T	11:06	X	X														
580-32803-27	1	T	11:06	X	X														
580-32803-34	1	T	11:06	X	X														
ZZZZZZ			11:06																
ZZZZZZ			11:06																
ZZZZZZ			11:06																
ZZZZZZ			11:06																

Prep Types
T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.1924	TA SOIL LINNEAR	5/7/2013 12:51:09 PM	10.95	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1828	TA SOIL LINNEAR	5/7/2013 12:53:50 PM	-0.03224	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2038	TA SOIL LINNEAR	5/7/2013 12:56:02 PM	-0.02398	A03

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCS		0.1956	TA SOIL LINNEAR	5/7/2013 12:58:14 PM	0.3068	A04

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSD		0.2107	TA SOIL LINNEAR	5/7/2013 1:00:32 PM	0.2996	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27		0.2050	TA SOIL LINNEAR	5/7/2013 1:02:43 PM	2.177	A06
32803-A-27		0.2076	TA SOIL LINNEAR	5/7/2013 1:04:54 PM	2.172	A07
Average		0.2063			2.175	
Std. Deviation		0.002			0.0038	
RSD		0.891			0.173	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 DU		0.1913	TA SOIL LINNEAR	5/7/2013 1:07:05 PM	2.203	A08
32803-A-27 DU		0.2007	TA SOIL LINNEAR	5/7/2013 1:09:18 PM	2.263	A09
Average		0.1960			2.233	
Std. Deviation		0.007			0.0420	
RSD		3.391			1.880	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 MS	0.0962	0.1091	TA SOIL LINNEAR	5/7/2013 1:12:07 PM	12.68	A10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-27 MSD	0.0949	0.1023	TA SOIL LINNEAR	5/7/2013 1:14:40 PM	13.16	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-29		0.2086	TA SOIL LINNEAR	5/7/2013 1:17:22 PM	2.074	B02
32803-B-29		0.2060	TA SOIL LINNEAR	5/7/2013 1:19:36 PM	2.077	B03
Average		0.2073			2.075	
Std. Deviation		0.002			0.0022	
RSD		0.887			0.107	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-34		0.1938	TA SOIL LINNEAR	5/7/2013 1:21:50 PM	2.147	B04

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-B-34		0.2077	TA SOIL LINNEAR	5/7/2013 1:24:04 PM	2.136	B05
Average		0.2007			2.142	
Std. Deviation		0.010			0.0082	
RSD		4.896			0.384	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-17		0.1916	TA SOIL LINNEAR	5/7/2013 1:39:38 PM	2.947	B10
38273-A-17		0.1939	TA SOIL LINNEAR	5/7/2013 1:41:49 PM	2.803	C01
Average		0.1927			2.875	
Std. Deviation		0.002			0.1015	
RSD		0.844			3.532	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-18		0.2061	TA SOIL LINNEAR	5/7/2013 1:43:48 PM	2.203	C02
38273-A-18		0.2013	TA SOIL LINNEAR	5/7/2013 1:45:59 PM	2.215	C03
Average		0.2037			2.209	
Std. Deviation		0.003			0.0090	
RSD		1.666			0.406	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38273-A-19		0.1898	TA SOIL LINNEAR	5/7/2013 1:48:10 PM	2.254	C04
38273-A-19		0.1912	TA SOIL LINNEAR	5/7/2013 1:50:05 PM	2.310	C05
Average		0.1905			2.282	
Std. Deviation		0.0010			0.0401	
RSD		0.520			1.756	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV		0.1914	TA SOIL LINNEAR	5/7/2013 1:52:57 PM	11.86	C06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB		0.1968	TA SOIL LINNEAR	5/7/2013 1:56:08 PM	-0.02405	C07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38294-A-1		0.0097	TA SOIL LINNEAR	5/7/2013 3:20:58 PM	49.92	A01
38294-A-1		0.0106	TA SOIL LINNEAR	5/7/2013 3:23:09 PM	50.44	A02
Average		0.0101			50.18	
Std. Deviation		0.0006			0.368	
RSD		6.270			0.733	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
38294-A-2		0.0116	TA SOIL LINNEAR	5/7/2013 3:25:20 PM	67.73	A03
38294-A-2		0.0120	TA SOIL LINNEAR	5/7/2013 3:27:31 PM	69.41	A04
Average		0.0118			68.57	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0003			1.188	
RSD		2.397			1.732	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1941	TA SOIL LINNEAR	5/7/2013 3:30:09 PM	11.35	A05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.1972	TA SOIL LINNEAR	5/7/2013 3:32:20 PM	0.00009261	A06

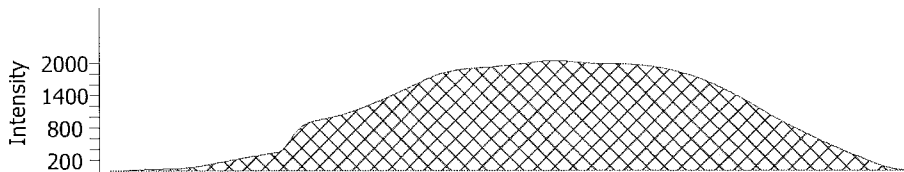
Element	Average	Std. Deviation	RSD	Count
Mass	0.1660	0.07	40.82	29
Carbon %	11.38	20.252	178.0	29

SC632

ICV

Name	Description	Mass	Method
ICV		0.1924	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:51:09 PM	A01		

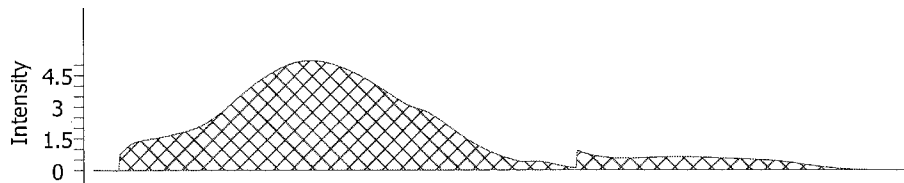
Carbon %
10.95



ICB

Name	Description	Mass	Method
ICB		0.1828	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:53:50 PM	A02		

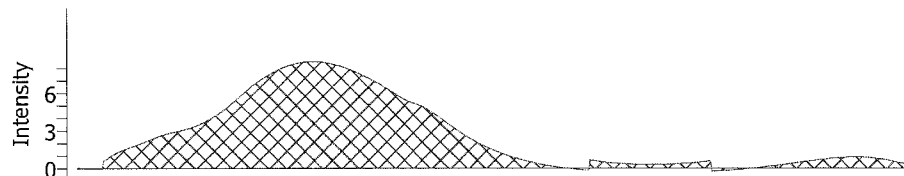
Carbon %
-0.03224



MB

Name	Description	Mass	Method
MB		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:56:02 PM	A03		

Carbon %
-0.02398

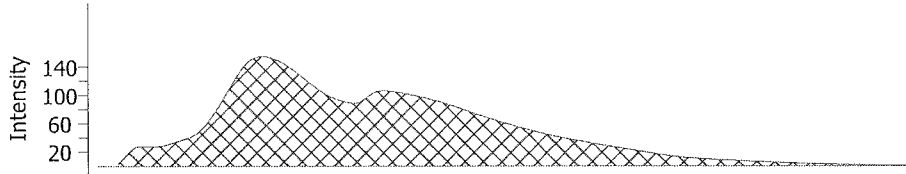


SC632

LCS

Name	Description	Mass	Method
LCS		0.1956	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 12:58:14 PM	A04		

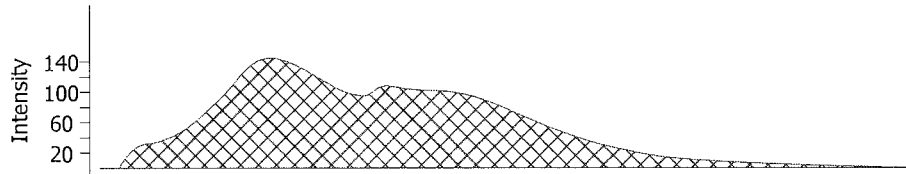
Carbon %
0.3068



LCSD

Name	Description	Mass	Method
LCSD		0.2107	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:00:32 PM	A05		

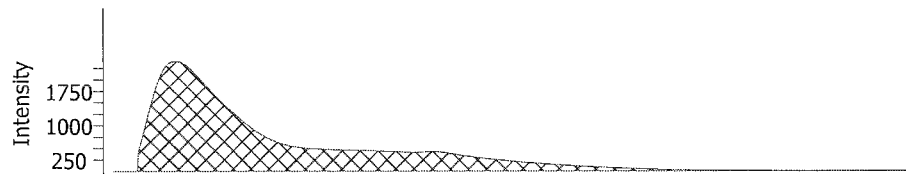
Carbon %
0.2996



32803-A-27

Name	Description	Mass	Method
32803-A-27		0.2050	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:02:43 PM	A06		

Carbon %
2.177

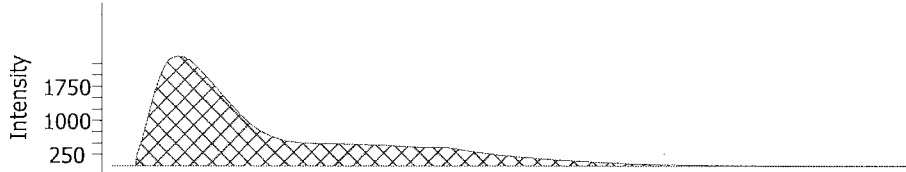


SC632

32803-A-27

Name	Description	Mass	Method
32803-A-27		0.2076	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:04:54 PM		A07	

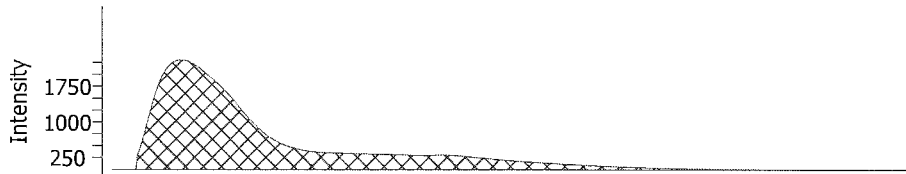
Carbon %
2.172



32803-A-27 DU

Name	Description	Mass	Method
32803-A-27 DU		0.1913	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:07:05 PM		A08	

Carbon %
2.203



32803-A-27 DU

Name	Description	Mass	Method
32803-A-27 DU		0.2007	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:09:18 PM		A09	

Carbon %
2.263

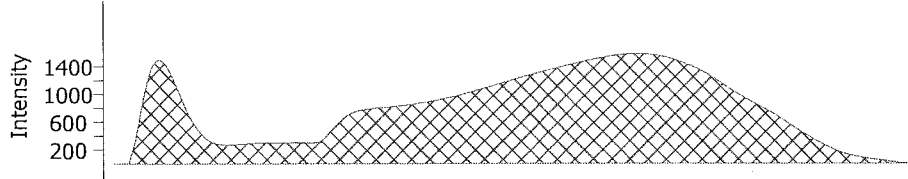


SC632

32803-A-27 MS

Name	Description	Mass	Method
32803-A-27 MS	0.0962	0.1091	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:12:07 PM	A10		

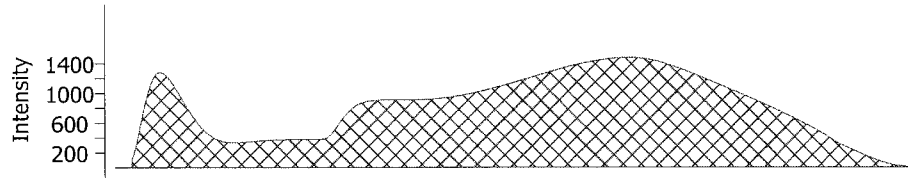
Carbon %
12.68



32803-A-27 MSD

Name	Description	Mass	Method
32803-A-27 MSD	0.0949	0.1023	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:14:40 PM	B01		

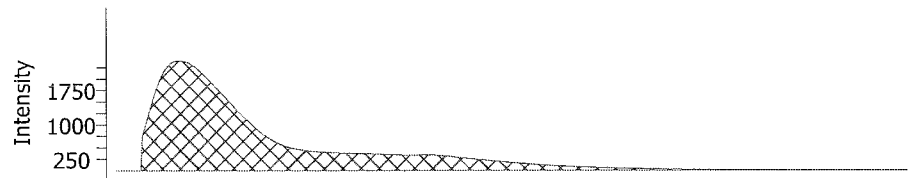
Carbon %
13.16



32803-B-29

Name	Description	Mass	Method
32803-B-29		0.2086	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:17:22 PM	B02		

Carbon %
2.074

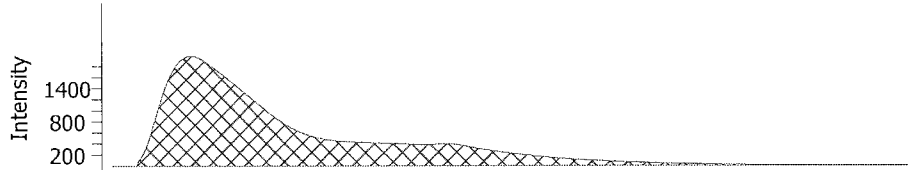


SC632

32803-B-29

Name	Description	Mass	Method
32803-B-29		0.2060	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:19:36 PM		B03	

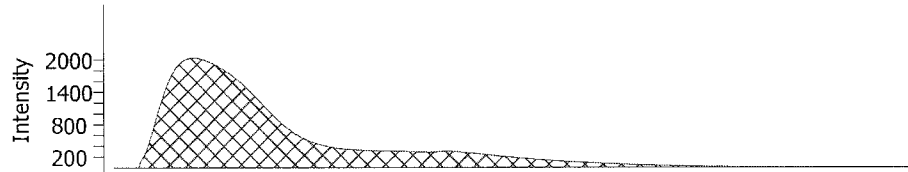
Carbon %
2.077



32803-B-34

Name	Description	Mass	Method
32803-B-34		0.1938	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:21:50 PM		B04	

Carbon %
2.147



32803-B-34

Name	Description	Mass	Method
32803-B-34		0.2077	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:24:04 PM		B05	

Carbon %
2.136

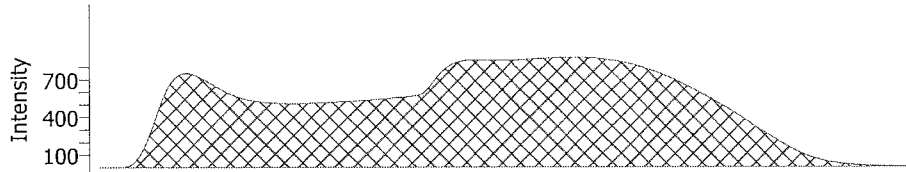


SC632

38273-A-17

Name	Description	Mass	Method
38273-A-17		0.1916	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:39:38 PM	B10		

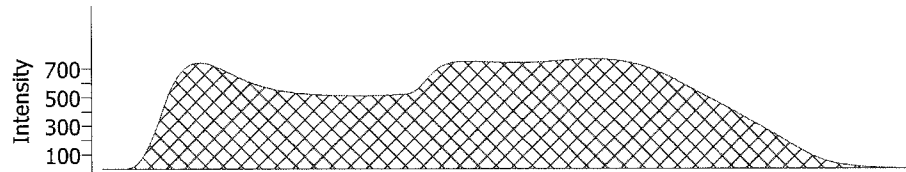
Carbon %
2.947



38273-A-17

Name	Description	Mass	Method
38273-A-17		0.1939	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:41:49 PM	C01		

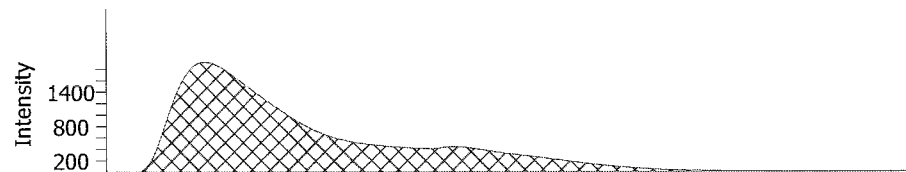
Carbon %
2.803



38273-A-18

Name	Description	Mass	Method
38273-A-18		0.2061	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:43:48 PM	C02		

Carbon %
2.203

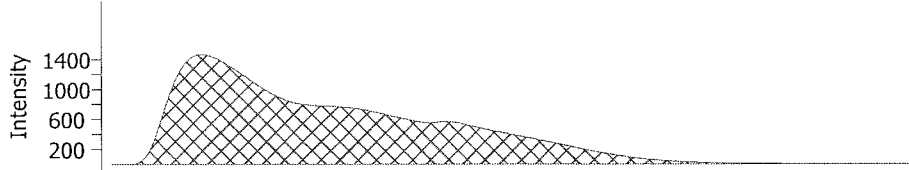


SC632

38273-A-18

Name	Description	Mass	Method
38273-A-18		0.2013	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:45:59 PM		C03	

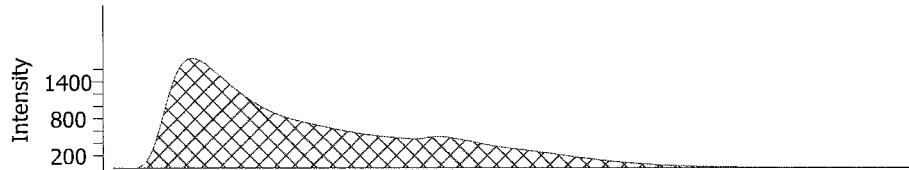
Carbon %
2.215



38273-A-19

Name	Description	Mass	Method
38273-A-19		0.1898	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:48:10 PM		C04	

Carbon %
2.254



38273-A-19

Name	Description	Mass	Method
38273-A-19		0.1912	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 1:50:05 PM		C05	

Carbon %
2.310

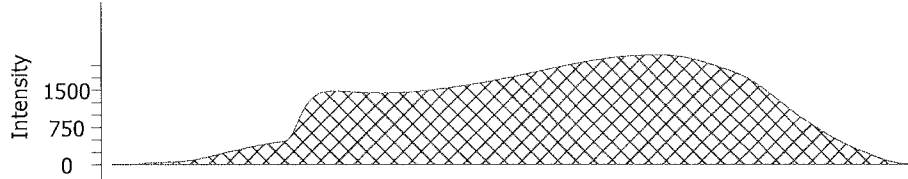


SC632

CCV

Name	Description	Mass	Method
CCV		0.1914	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:52:57 PM	C06		

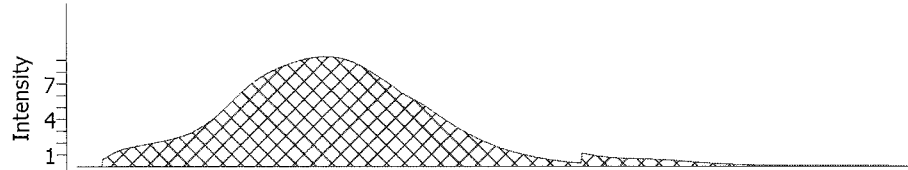
Carbon %
11.86



CCB

Name	Description	Mass	Method
CCB		0.1968	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 1:56:08 PM	C07		

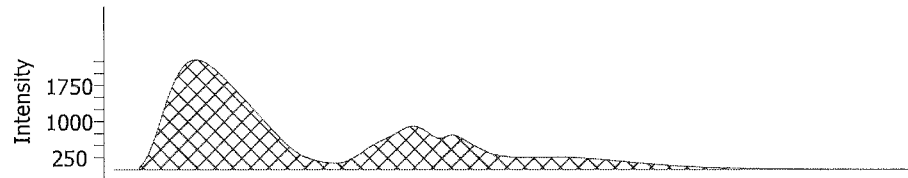
Carbon %
-0.02405



38294-A-1

Name	Description	Mass	Method
38294-A-1		0.0097	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:20:58 PM	A01		

Carbon %
49.92

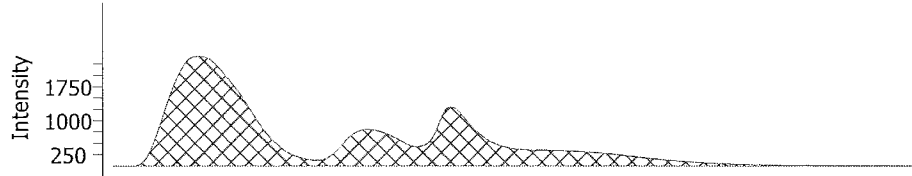


SC632

38294-A-1

Name	Description	Mass	Method
38294-A-1		0.0106	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:23:09 PM	A02		

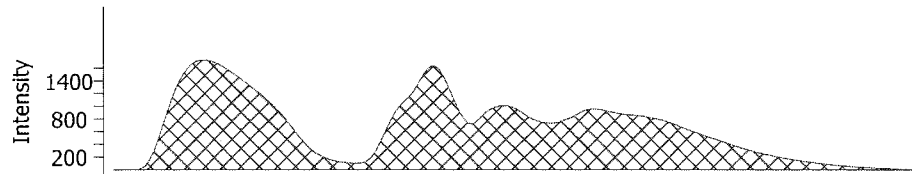
Carbon %
50.44



38294-A-2

Name	Description	Mass	Method
38294-A-2		0.0116	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:25:20 PM	A03		

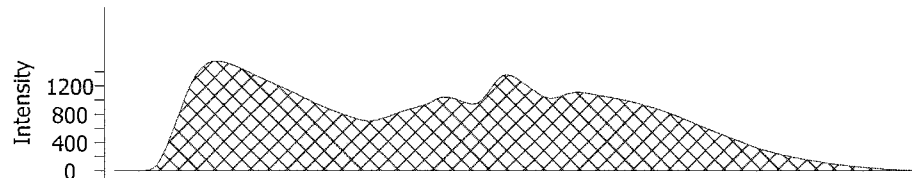
Carbon %
67.73



38294-A-2

Name	Description	Mass	Method
38294-A-2		0.0120	TA SOIL LINNEAR
Analysis Date	Location		
5/7/2013 3:27:31 PM	A04		

Carbon %
69.41

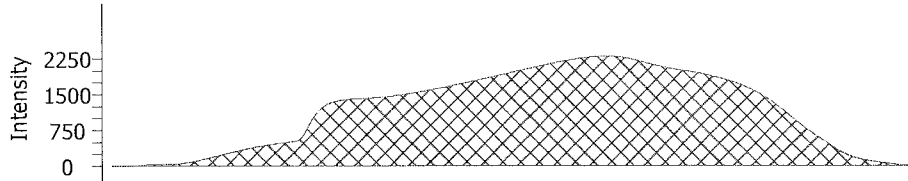


SC632

CCV-2

Name	Description	Mass	Method
CCV-2		0.1941	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 3:30:09 PM		A05	

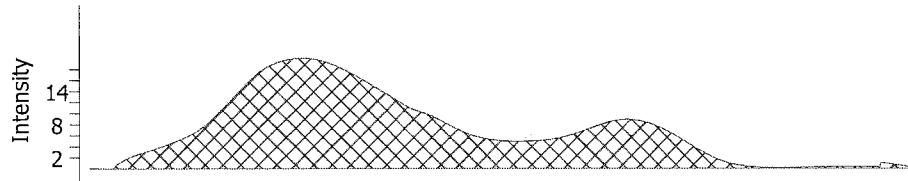
Carbon %
11.35



CCB-2

Name	Description	Mass	Method
CCB-2		0.1972	TA SOIL LINNEAR
Analysis Date		Location	
5/7/2013 3:32:20 PM		A06	

Carbon %
0.00009261



Element	Average	Std. Deviation	RSD	Count
Mass	0.1660	0.07	40.82	29
Carbon %	11.38	20.252	178.0	29

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Batch Number: 135169 Batch Start Date: 05/07/13 12:51 Batch Analyst: Brennan, Richard

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CaCO3 00003	TOCS_LCS 00003		
ICV 580-135169/1		9060_PSEP				0.1924 g			
LCS 580-135169/4		9060_PSEP					0.1956 g		
LCSD 580-135169/5		9060_PSEP					0.2107 g		
580-32803-A-27 MS	JW-EA03-SS12-120 507	9060_PSEP	T	0.1091 g	0.1091 g	0.0962 g			
580-32803-A-27 MSD	JW-EA03-SS12-120 507	9060_PSEP	T	0.1023 g	0.1023 g	0.0949 g			
CCV 580-135169/15		9060_PSEP				0.1914 g			

Batch Notes	
Lot # of Phosphoric Acid	1037585

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32803-3

SDG No.: _____

Batch Number: 135319 Batch Start Date: 05/09/13 11:06 Batch Analyst: DeMonnin, Robert

Batch Method: D 2216 Batch End Date: 05/09/13 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32803-B-29	JW-EA03-SS11-120 507	D 2216	T	0.7720 g	8.9975 g	4.6753 g			
580-32803-B-29 DU	JW-EA03-SS11-120 507	D 2216	T	0.7692 g	7.2750 g	3.8555 g			
580-32803-B-27	JW-EA03-SS12-120 507	D 2216	T	0.7947 g	10.4435 g	5.1636 g			
580-32803-B-34	JW-EA02-SS07-120 507	D 2216	T	0.7731 g	8.1249 g	4.1621 g			

Batch Notes	
Balance ID	SEA222 No Unit
Date samples were placed in the oven	5-9-13
Oven Temp when samples are put in oven	109.9 Degrees C
Time samples were place in the oven	1130
Date samples were removed from oven	5-9-13
Oven Temp when samples removed from oven	109.9 Degrees C
Time Samples were removed from oven	1540
Oven ID	DW01
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

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Rush
 Short Hold

Chain of
Custody Record

Chain of Custody Number
15130

05/16/2013

Client: **Jeld Wen** Client Contact: **PNORRY QEA** Date: **5/7/2012** Lab Number: **206-287-9130** Page **1** of **5**

Address: **720 Olive Way Suite 1900** Telephone Number (Area Code)/Fax Number: **206-287-9130/206-287-9131**

City: **Seattle** State: **WA** Zip Code: **98101** Sampler: **LC/INS** Lab Contact: **NATHAN SOCCORSO**

Project Name and Location (State): **Jeld Wen SWFAL & Solymert WA** Billing Contact: **NATHAN SOCCORSO**

Contract/Purchase Order/Quote No.: **120909-01-01**

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH
1. JW-EAS8-SS29-1205 1 of 2	5/7/12	11:00	X											
1. JW-EAS8-SS29-1205 2 of 2	5/7/12	11:00	X											
2. JW-EAS8-SS30-1205 1 of 2	5/7/12	11:10	X											
2. JW-EAS8-SS30-1205 2 of 2	5/7/12	11:10	X											
3. JW-EAS8-SS31-1205 1 of 2	5/7/12	11:15	X											
3. JW-EAS8-SS31-1205 2 of 2	5/7/12	11:15	X											
4. JW-EAS8-SS32-1205 1 of 2	5/7/12	12:25	X											
4. JW-EAS8-SS32-1205 2 of 2	5/7/12	12:25	X											
5. JW-EAD8-SS29-1205 (1)	5/7/12	11:00	X											
5. JW-EAD8-SS29-1205 (2)	5/7/12	11:10	X											
6. JW-EAS8-SS30-1205 (1)	5/7/12	15:10	X											
6. JW-EAS8-SS30-1205 (2)	5/7/12	15:10	X											
7. JW-EA08-SS31-1205 (1)	5/7/12	11:15	X											
7. JW-EA08-SS31-1205 (2)	5/7/12	11:15	X											

Cooler: Yes No Cooler Temp: _____ Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

QC Requirements (Specify): _____

Sample Disposal: Disposal By Lab Return To Client Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By **Sigv/Print** Date: **5/8/12** Time: **12:16**

2. Relinquished By **Sigv/Print** Date: **5/8/12** Time: **12:16**

3. Relinquished By **Sigv/Print** Date: _____ Time: _____

Comments: _____

TRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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Chain of
Custody Record

05/16/2013

Client	Jeld Wen		Client Contact	Anchor GEA		Date	5/7/2012		Chain of Custody Number	15107					
Address	720 Olive Way Suite 1900		Telephone Number (Area Code)/Fax Number	206-287-9130/206-287-9131		Lab Number			Page	2 of 5					
City	Seattle	State	WA	Zip Code	98101	Sampler	KC/NS		Lab Contact						
Project Name and Location (State)	Jeld Wen Surface		Sediment	WA		Billing Contact	Nathan Socransky								
Contract/Purchase Order/Quote No.	1209109-01-01		Matrix												
Sample ID and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Containers & Preservatives	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
9 JM-EA08-SS32-1205 (1)	5/7/12	12:25			X								X Archive		
10 JM-EA08-DMMP-1205 (2)	5/7/12	15:28			X										
11 JM-EA06-SS22-1205 (1)	5/7/12	11:17			X										
12 JM-EA06-SS21-1205 (1)	5/7/12	11:12			X										
13 JM-EA06-SS23-1205 (1)	5/7/12	11:30			X										
14 JM-EA06-SS24-1205 (1)	5/7/12	11:40			X										
15 JM-EA06-COMP-1205 (1)	5/7/12	16:00			X										
16 JM-EA06-SS29-1205 (2)	5/7/12	10:25			X										
17 JM-EA10-SS41-1205 (2)	5/7/12	12:44			X										
18 JM-EA10-SS40-1205 (2)	5/7/12	12:34			X										
19 JM-EA10-SS43-1205 (2)	5/7/12	12:20			X										
20 JM-EA10-SS43-1205 (2)	5/7/12	09:03			X										

Turn Around Time Required (business days)
 24 Hours 48 Hours 5 Days 10 Days 15 Days Other _____

1. Relinquished By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:10pm

2. Relinquished By Sign/Print: _____ Date: _____ Time: _____

3. Relinquished By Sign/Print: _____ Date: _____ Time: _____

Comments: _____

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TAL-8274-580 (0210)

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Rush
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Chain of
Custody Record

Chain of Custody Number
15128

05/16/2013

Client: Jeld Wen Client Contact: Anchor OEA Date: 5/7/2012 Lab Number: Page 3 of 5

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code)/Fax Number: 206.287.9130/206.287.9131

City: Seattle State: WA Zip Code: 98101 Sampler: ECINS Lab Contact:

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Nathan Succow

Contract/Purchase Order/Quote No.: 120909-01D1

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc/NaOH	
21. JW-EA10-10MP-1205 (A)	5/7/12	10:14			X										
22. JW-EA07-SS28-1205 (1)	5/7/12	12:00			X										
23. JW-EA07-SS25-1205 (1)	5/7/12	11:44			X										
24. JW-EA07-SS27-1205 (1)	5/7/12	12:14			X										
25. JW-EA07-SS26-1205 (1)	5/7/12	11:50			X										
26. JW-EA07-68MP-1205 (1)	5/7/12	16:33			X										
27. JW-EA08-SS12-1205 (1)	5/7/12	13:00			X										
28. JW-EA03-SS10-1205 (1)	5/7/12	13:30			X										
29. JW-EA03-SS11-1205 (1)	5/7/12	14:00			X										
30. JW-EA03-10MP-1205 (1)	5/7/12	16:53			X										
31. JW-EA03-SS09-1205 (1)	5/7/12	13:45			X										
38. JW-EA02-SS05-1205 (1)	5/7/12	15:05			X										

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other

QC Requirements (Specify):

(A fee may be assessed if samples are retained longer than 1 month)

1. Relinquished By Sign/Print: Cindy Fields Date: 5/8/12 Time: 12:10pm

2. Relinquished By Sign/Print: Date: Time:

3. Relinquished By Sign/Print: Date: Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Samples, CANARY - Returned to Client with Report, PINK - Field Copy

TAL-8274-680 (0210)

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Chain of
Custody Record

Client: Jeld Wen Client Contact: Andrew OEA Date: 5/7/2012 Chain of Custody Number: 15129

Address: 720 Olive Way Suite 1900 Telephone Number (Area Code/Fax Number): 206-287-9130 / 206-287-9131 Lab Number: Page 4 of 5

City: Seattle State: WA Zip Code: 98101 Sampler: KLINS Lab Contact: Analysis (Attach list if more space is needed)

Project Name and Location (State): Jeld Wen Surface Sediment WA Billing Contact: Norman Socorsky Matrix: Containers & Preservatives: Special Instructions/Conditions of Receipt:

Contract/Purchase Order/Quote No.: 12MD9-0101

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Archive	Lab Number	Date	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl				NaOH
33 JW-EA02-SS06-1205 (1)	5/7/12	14:56	X											
34 JW-EA02-SS07-1205 (1)	5/7/12	15:11	X											
35 JW-EA02-SS08-1205 (1)	5/7/12	14:47	X											
36 JW-EA02-CAMP-1205 (1)	5/7/12	17:10	X											
37 JW-EA04-SS13-1205 (1)	5/7/12	12:55	X											
38 JW-EA04-SS14-1205 (1)	5/7/12	12:40	X											
39 JW-EA04-SS14-1205 (1)	5/7/12	12:50	X											
40 JW-EA04-SS15-1205 (1)	5/7/12	12:30	X											
41 JW-EA04-CAMP-1205 (1)	5/7/12	17:25	X											
42 JW-EA01-SS03-1205 (2)	5/7/12	15:10	X											
43 JW-EA01-SS04-1205 (2)	5/7/12	15:00	X											
44 JW-EA01-SS01-1205 (2)	5/7/12	15:22	X											

Cooler: Yes No Cooler Temp: Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Archive For Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): 24 Hours 48 Hours 5 Days 10 Days 15 Days Other QC Requirements (Specify):

1. Relinquished By Sign/Print: Andrew OEA Date: 5/8/12 Time: 12:10pm 1. Received By Sign/Print: Date: 5/8/12 Time: 12:16

2. Relinquished By Sign/Print: Date: Time: 2. Received By Sign/Print: Date: Time:

3. Relinquished By Sign/Print: Date: Time: 3. Received By Sign/Print: Date: Time:

Comments:



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 5 of 5

Lab Contact:		Project: Jeld Wen				Analyses Requested							Notes/ Comments:
Lab: Test America		Surface Sediment				Ts/IDL/BC/Archive PAH	Ts/IDC/BC/GS/PAH	Archive	PAH				
Address: 5755 8 th Street E.		Proj. No.: 120909-01.01											
City, etc.: Tacoma WA 98424		Sampler: KL/NS											
Phone: 253-922-2310		Shipping Method:											
Fax: 253-922-5047		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
45 JW-EA01-SS02	1205	5/7/12 15:15	Sed	2	X								
46 JW-EA01-COMP	1205	5/7/12 17:39	Sed	2		X							
47 JW-EA09-SS37	1205	5/7/12 13:46	Sed	1			X						
48 JW-EA09-SS34	1205	5/7/12 14:11	Sed	2			X						
49 JW-EA09-SS38	1205	5/7/12 13:50	Sed	1			X						
50 JW-EA09-SS36	1205	5/7/12 14:01	Sed	1			X						
51 JW-EA09-SS33	1205	5/7/12 13:24	Sed	1			X						
52 JW-EA09-SS35	1205	5/7/12 13:36	Sed	1			X						
53 JW-EA09-COMP	1205	5/7/12 18:03	Sed	2		X							
54 JW-RB-1205	5/7/12	17:58		1			X						
55 JW-FB-1205	5/7/12	19:00		1			X						

Relinquished: (Signature) <i>C. Field</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Cindy Field S	Printed Name:	Printed Name:		
Company: AQEA	Company:	Company:		
Date/Time: 5/8/2012 12:16pm	Date/Time:	Date/Time:		
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: FRANCISCO LUGA	Printed Name:	Printed Name:		
Company: TA-SEA	Company:	Company:		
Date/Time: 5/8/12 12/6	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			COC Seals Intact?	Bottles Intact?

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32803-3

Login Number: 32803
List Number: 1
Creator: Blankinship, Tom

List Source: TestAmerica Seattle

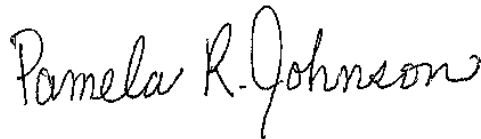
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	two coolers out of temp
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	ID of sample -20
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 580-32844-1

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
6/18/2012 11:06 AM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
06/18/2012

cc: Lab Data
Niki Masters

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The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32844-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/09/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.1° C, 4.8° C, 5.8° C and 5.9° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCYCLIC AROMATIC HYDROCARBONS (PAHS)

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for polycyclic aromatic hydrocarbons (PAHs) in accordance with EPA SW-846 Method 8270C SIM. The samples were prepared on 05/18/2012 and analyzed on 05/25/2012.

No difficulties were encountered during the PAH analyses.

All quality control parameters were within the acceptance limits.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 06/11/2012.

Due to high sample volume, not all samples could be run within hold. Samples were frozen to extend their hold time and run when instrument capacity was available.

No other difficulties were encountered during the PSEP TOC analyses.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/21/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

Samples JW-UR-COMP-120508 (580-32844-5), JW-DR-COMP-120508 (580-32844-10) and JW-RG-COMP-120508 (580-32844-15) were analyzed for grain size in accordance with D422. The samples were analyzed on 06/08/2012.

No difficulties were encountered during the grain size analyses.

All quality control parameters were within the acceptance limits.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/3 Client Sample ID: _____Date Analyzed: 04/26/12 16:06 Lab File ID: HP27815.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:10
Naphthalene	4.88	Assign Peak	tadesseb	04/26/12 18:10
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:10

Lab Sample ID: IC 580-110125/4 Client Sample ID: _____Date Analyzed: 04/26/12 16:28 Lab File ID: HP27816.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:09
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:09
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:10
Indeno[1,2,3-cd]pyrene	13.23	Assign Peak	tadesseb	04/26/12 18:09

Lab Sample ID: IC 580-110125/5 Client Sample ID: _____Date Analyzed: 04/26/12 16:50 Lab File ID: HP27817.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:08
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:11
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/26/12 18:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125Lab Sample ID: IC 580-110125/6 Client Sample ID: _____Date Analyzed: 04/26/12 17:11 Lab File ID: HP27818.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:07
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:07
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: ICIS 580-110125/7 Client Sample ID: _____Date Analyzed: 04/26/12 17:33 Lab File ID: HP27819.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:06
2,4,6-Tribromophenol	6.95	Assign Peak	tadesseb	04/26/12 18:06
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:12

Lab Sample ID: IC 580-110125/8 Client Sample ID: _____Date Analyzed: 04/26/12 17:55 Lab File ID: HP27820.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/26/12 18:15
2,4,6-Tribromophenol	6.94	Assign Peak	tadesseb	04/26/12 18:15
Pentachlorophenol	7.36	Baseline	tadesseb	04/26/12 18:15

Lab Sample ID: IC 580-110125/9 Client Sample ID: _____Date Analyzed: 04/26/12 18:16 Lab File ID: HP27821.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.29	Assign Peak	tadesseb	04/27/12 10:19
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:19
Indeno[1,2,3-cd]pyrene	13.23	Baseline	tadesseb	04/27/12 10:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 110125

Lab Sample ID: IC 580-110125/10 Client Sample ID: _____

Date Analyzed: 04/26/12 18:38 Lab File ID: HP27822.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	04/27/12 10:20
Indeno[1,2,3-cd]pyrene	13.24	Baseline	tadesseb	04/27/12 10:21

Lab Sample ID: ICV 580-110125/11 Client Sample ID: _____

Date Analyzed: 04/26/12 19:00 Lab File ID: HP27823.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	7.36	Baseline	tadesseb	05/02/12 12:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: CCVIS 580-112072/2 Client Sample ID: _____Date Analyzed: 05/25/12 10:24 Lab File ID: HP28005.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.92	Assign Peak	tadesseb	05/25/12 11:53
Pentachlorophenol	7.33	Assign Peak	tadesseb	05/25/12 11:53
Indeno[1,2,3-cd]pyrene	13.15	Baseline	tadesseb	05/25/12 11:53

Lab Sample ID: LCS 580-111684/2-A Client Sample ID: _____Date Analyzed: 05/25/12 12:12 Lab File ID: HP28007.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	13.16	Baseline	tadesseb	05/25/12 12:52

Lab Sample ID: 580-32844-5 Client Sample ID: JW-UR-COMP-120508Date Analyzed: 05/25/12 14:22 Lab File ID: HP28013.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:21
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:21
Dibenz(a,h)anthracene	13.20	Baseline	tadesseb	05/25/12 16:21

Lab Sample ID: 580-32844-10 Client Sample ID: JW-DR-COMP-120508Date Analyzed: 05/25/12 14:44 Lab File ID: HP28014.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:22
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Analysis Batch Number: 112072Lab Sample ID: 580-32844-15 Client Sample ID: JW-RG-COMP-120508Date Analyzed: 05/25/12 15:06 Lab File ID: HP28015.D GC Column: ZB-5MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	10.91	Baseline	tadesseb	05/25/12 16:24
Benzo[k]fluoranthene	10.94	Baseline	tadesseb	05/25/12 16:24

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32844-1	JW-UR-SS47-120508	Solid	05/08/2012 1134	05/09/2012 1515
580-32844-2	JW-UR-SS46-120508	Solid	05/08/2012 1126	05/09/2012 1515
580-32844-3	JW-UR-SS45-120508	Solid	05/08/2012 1111	05/09/2012 1515
580-32844-4	JW-UR-SS44-120508	Solid	05/08/2012 1057	05/09/2012 1515
580-32844-5	JW-UR-COMP-120508	Solid	05/08/2012 1412	05/09/2012 1515
580-32844-6	JW-DR-SS48-120508	Solid	05/08/2012 1016	05/09/2012 1515
580-32844-7	JW-DR-SS49-120508	Solid	05/08/2012 1120	05/09/2012 1515
580-32844-8	JW-DR-SS50-120508	Solid	05/08/2012 1140	05/09/2012 1515
580-32844-9	JW-DR-SS51-120508	Solid	05/08/2012 1150	05/09/2012 1515
580-32844-10	JW-DR-COMP-120508	Solid	05/08/2012 1432	05/09/2012 1515
580-32844-11	JW-RG-SS52-120508	Solid	05/08/2012 1205	05/09/2012 1515
580-32844-12	JW-RG-SS55-120508	Solid	05/08/2012 1221	05/09/2012 1515
580-32844-13	JW-RG-SS53-120508	Solid	05/08/2012 1210	05/09/2012 1515
580-32844-14	JW-RG-SS54-120508	Solid	05/08/2012 1222	05/09/2012 1515
580-32844-15	JW-RG-COMP-120508	Solid	05/08/2012 1728	05/09/2012 1515

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32844-1

Description	Lab Location	Method	Preparation Method
Matrix			
Solid			
Semivolatile Organic Compounds (GC/MS SIM)	TAL SEA	SW846 8270C SIM	
Ultrasonic Extraction	TAL SEA		SW846 3550B
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	
Black Carbon (Lloyd Kahn)	TAL BUR	EPA Lloyd Kahn	
Auto LabComplete Method for Specialized Pricing in US-Steel	TAL SEA	AutoGenChem	

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Date Sampled: 05/08/2012 1412

Client Matrix: Solid

% Moisture: 46.2

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28013.D
Dilution:	1.0			Initial Weight/Volume:	20.9473 g
Analysis Date:	05/25/2012 1422			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1.3		0.36	0.89
2-Methylnaphthalene		0.41	J	0.36	0.89
1-Methylnaphthalene		0.28	J	0.27	0.89
Acenaphthylene		1.6		0.27	0.89
Acenaphthene		0.32	J	0.27	0.89
Fluorene		0.66	J	0.27	0.89
Phenanthrene		3.4		0.27	0.89
Anthracene		2.5		0.27	0.89
Fluoranthene		20		0.27	0.89
Pyrene		16		0.27	0.89
Benzo[a]anthracene		10		0.27	0.89
Chrysene		17		0.27	0.89
Benzo[b]fluoranthene		13		0.27	0.89
Benzo[k]fluoranthene		5.2		0.27	0.89
Benzo[a]pyrene		8.2		0.27	0.89
Indeno[1,2,3-cd]pyrene		4.4		0.27	0.89
Dibenz(a,h)anthracene		0.95		0.27	0.89
Benzo[g,h,i]perylene		3.3		0.27	0.89

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	74		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Date Sampled: 05/08/2012 1432

Client Matrix: Solid

% Moisture: 49.8

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28014.D
Dilution:	1.0			Initial Weight/Volume:	20.0203 g
Analysis Date:	05/25/2012 1444			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		0.40	0.99
2-Methylnaphthalene		ND		0.40	0.99
1-Methylnaphthalene		ND		0.30	0.99
Acenaphthylene		ND		0.30	0.99
Acenaphthene		ND		0.30	0.99
Fluorene		ND		0.30	0.99
Phenanthrene		0.76	J	0.30	0.99
Anthracene		0.36	J	0.30	0.99
Fluoranthene		1.7		0.30	0.99
Pyrene		1.6		0.30	0.99
Benzo[a]anthracene		0.85	J	0.30	0.99
Chrysene		1.7		0.30	0.99
Benzo[b]fluoranthene		1.6		0.30	0.99
Benzo[k]fluoranthene		0.59	J	0.30	0.99
Benzo[a]pyrene		0.98	J	0.30	0.99
Indeno[1,2,3-cd]pyrene		0.69	J	0.30	0.99
Dibenz(a,h)anthracene		ND		0.30	0.99
Benzo[g,h,i]perylene		0.55	J	0.30	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	65		42 - 151

Analytical Data

Client: Anchor QEA LLC

Job Number: 580-32844-1

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Date Sampled: 05/08/2012 1728

Client Matrix: Solid

% Moisture: 36.5

Date Received: 05/09/2012 1515

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	580-112072	Instrument ID:	TAC023
Prep Method:	3550B	Prep Batch:	580-111684	Lab File ID:	HP28015.D
Dilution:	1.0			Initial Weight/Volume:	20.3033 g
Analysis Date:	05/25/2012 1506			Final Weight/Volume:	2 mL
Prep Date:	05/18/2012 1430			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		ND		0.31	0.78
2-Methylnaphthalene		ND		0.31	0.78
1-Methylnaphthalene		ND		0.23	0.78
Acenaphthylene		0.29	J	0.23	0.78
Acenaphthene		ND		0.23	0.78
Fluorene		ND		0.23	0.78
Phenanthrene		2.0		0.23	0.78
Anthracene		0.77	J	0.23	0.78
Fluoranthene		4.9		0.23	0.78
Pyrene		4.6		0.23	0.78
Benzo[a]anthracene		2.7		0.23	0.78
Chrysene		3.9		0.23	0.78
Benzo[b]fluoranthene		3.6		0.23	0.78
Benzo[k]fluoranthene		1.3		0.23	0.78
Benzo[a]pyrene		2.3		0.23	0.78
Indeno[1,2,3-cd]pyrene		1.3		0.23	0.78
Dibenz(a,h)anthracene		ND		0.23	0.78
Benzo[g,h,i]perylene		1.0		0.23	0.78

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	69		42 - 151

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Date Sampled: 05/08/2012 1412

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1902				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	54		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111760		Analysis Date: 05/21/2012 1439				DryWt Corrected: N
Percent Moisture	46		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111760		Analysis Date: 05/21/2012 1439				DryWt Corrected: N
Black Carbon	1300		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1235				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Date Sampled: 05/08/2012 1432

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1906				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	50		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Percent Moisture	50		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Black Carbon	1400		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1248				DryWt Corrected: N

Client: Anchor QEA LLC

Job Number: 580-32844-1

General Chemistry

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Date Sampled: 05/08/2012 1728

Client Matrix: Solid

Date Received: 05/09/2012 1515

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	23000		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1910				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	64		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Percent Moisture	36		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111762		Analysis Date: 05/21/2012 1518				DryWt Corrected: N
Black Carbon	1200		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1301				DryWt Corrected: N

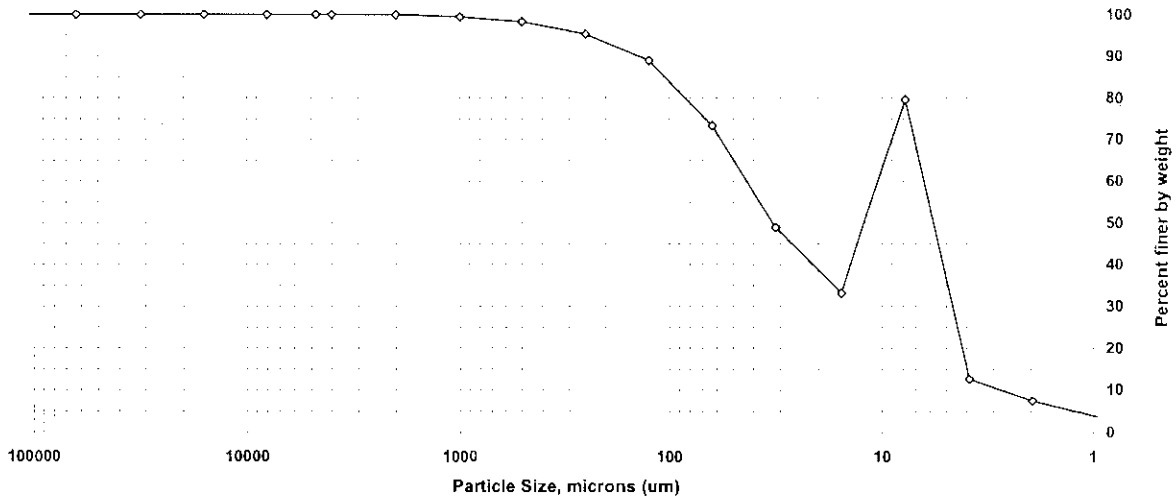


Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-UR-COMP-120508
 Lab ID: 580-32844-A-5

Percent Solids: 54%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.9	0.1
#18	1000	99.4	0.5
#35	500	98.3	1.1
#60	250	95.3	3.0
#120	125	88.9	6.4
#230	63	73.3	15.6
Phi Size 4 to 5	31.42	49.0	24.3
Phi Size 5 to 6	15.6	33.2	15.8
Phi Size 6 to 7	7.8	79.6	-46.4
Phi Size 7 to 8	3.9	12.6	67.0
Phi Size 8 to 9	1.95	7.5	5.1
Phi Size 9 to 10	0.98	3.9	3.6
Phi Size 10 to 11	0.49	0.0	3.9
>Phi Size 11	<0.98	0.0	0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	27
Very Coarse Sand	0.5
Coarse Sand	1.1
Medium Sand	3.0
Fine Sand	6.4
Very Fine Sand	15.6
Silt	61
Coarse Silt	24.3
Medium Silt	15.8
Fine Silt	-46.4
Very Fine Silt	67.0
Clay	13
Coarse Clay	5.1
Medium Clay	3.6
Fine Clay	3.9

Percent finer by weight

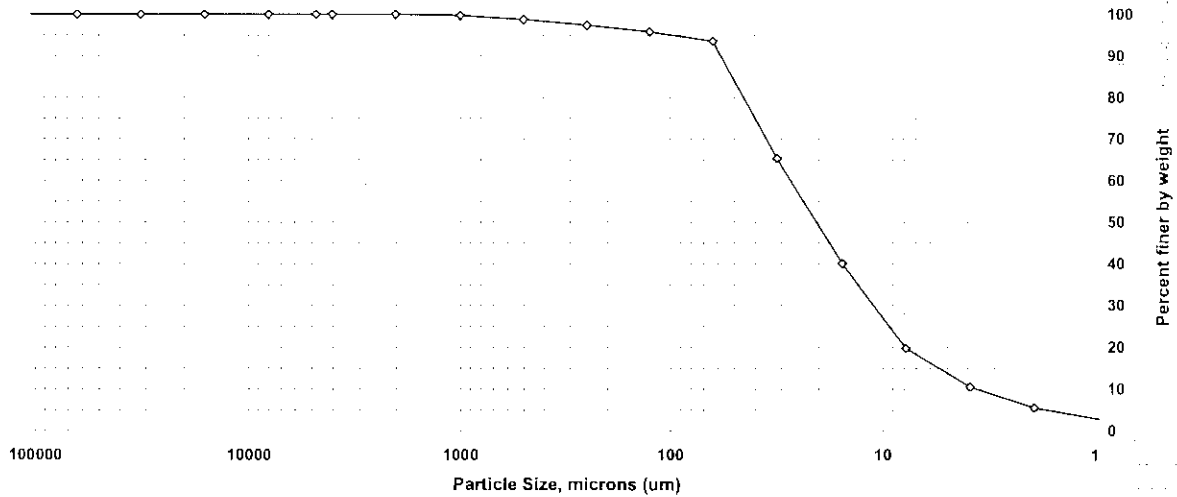
Particle Size, microns (um)

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-DR-COMP-120508
 Lab ID: 580-32844-A-10

Percent Solids: 50%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	100.0	0.0
#18	1000	99.7	0.3
#35	500	98.8	0.9
#60	250	97.4	1.4
#120	125	95.8	1.6
#230	63	93.5	2.3
Phi Size 4 to 5	31.42	65.3	28.2
Phi Size 5 to 6	15.6	40.1	25.3
Phi Size 6 to 7	7.8	19.8	20.3
Phi Size 7 to 8	3.9	10.5	9.3
Phi Size 8 to 9	1.95	5.6	4.9
Phi Size 9 to 10	0.98	3.0	2.6
Phi Size 10 to 11	0.49	0.0	3.0
>Phi Size 11	<0.98	0.0	0.0

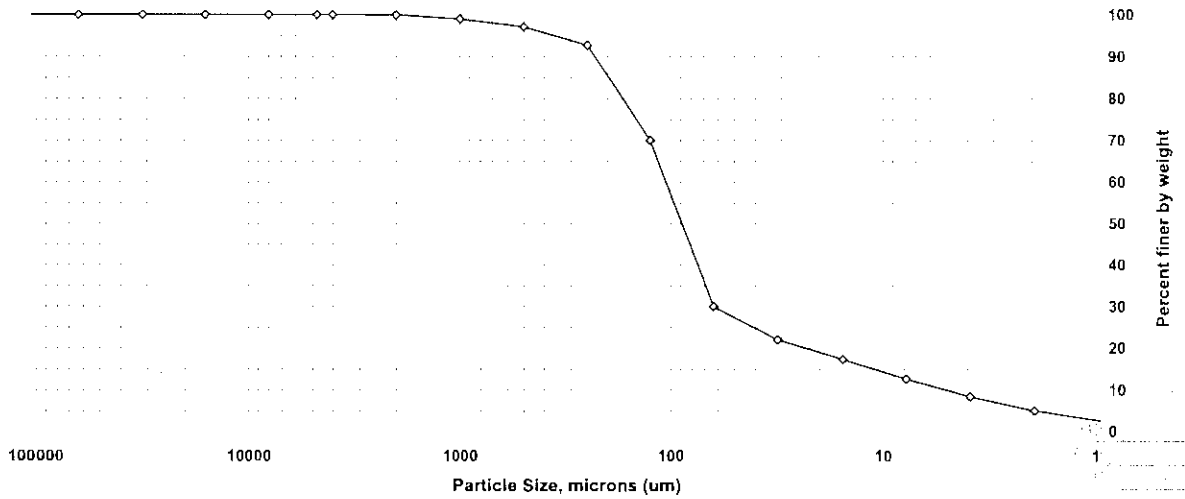
Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.0
Sand	6.5
Very Coarse Sand	0.3
Coarse Sand	0.9
Medium Sand	1.4
Fine Sand	1.6
Very Fine Sand	2.3
Silt	83
Coarse Silt	28.2
Medium Silt	25.3
Fine Silt	20.3
Very Fine Silt	9.3
Clay	10
Coarse Clay	4.9
Medium Clay	2.6
Fine Clay	3.0

Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-RG-COMP-120508
 Lab ID: 580-32844-A-15

Percent Solids: 64%
 Specific Gravity: 2.650

Date Received: 5/8/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	100.0	0.0
#10	2000	99.9	0.1
#18	1000	99.0	0.9
#35	500	97.1	1.9
#60	250	92.7	4.4
#120	125	70.0	22.7
#230	63	30.0	40.0
Phi Size 4 to 5	31.42	22.1	7.9
Phi Size 5 to 6	15.6	17.4	4.7
Phi Size 6 to 7	7.8	12.7	4.7
Phi Size 7 to 8	3.9	8.5	4.2
Phi Size 8 to 9	1.95	5.1	3.3
Phi Size 9 to 10	0.98	2.8	2.3
Phi Size 10 to 11	0.49	0.0	2.8
>Phi Size 11	<0.98		0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	0.1
Sand	70
Very Coarse Sand	0.9
Coarse Sand	1.9
Medium Sand	4.4
Fine Sand	22.7
Very Fine Sand	40.0
Silt	22
Coarse Silt	7.9
Medium Silt	4.7
Fine Silt	4.7
Very Fine Silt	4.2
Clay	8.5
Coarse Clay	3.3
Medium Clay	2.3
Fine Clay	2.8

Client: Anchor QEA LLC

Job Number: 580-32844-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
LCS 580-111684/2-A		87	72	70

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	38-141
FBP = 2-Fluorobiphenyl	42-140
TPH = Terphenyl-d14	42-151

Client: Anchor QEA LLC

Job Number: 580-32844-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TPH %Rec
580-32844-5	JW-UR-COMP-12050 8	74
580-32844-10	JW-DR-COMP-12050 8	65
580-32844-15	JW-RG-COMP-12050 8	69
MB 580-111684/1-A		74

Surrogate	Acceptance Limits
TPH = Terphenyl-d14	42-151

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: MB 580-111684/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 05/25/2012 1151
 Prep Date: 05/18/2012 1429
 Leach Date: N/A

Analysis Batch: 580-112072
 Prep Batch: 580-111684
 Leach Batch: N/A
 Units: ug/Kg

Instrument ID: TAC023
 Lab File ID: HP28006.D
 Initial Weight/Volume: 20 g
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	ND		0.20	0.50
2-Methylnaphthalene	ND		0.20	0.50
1-Methylnaphthalene	ND		0.15	0.50
Acenaphthylene	ND		0.15	0.50
Acenaphthene	ND		0.15	0.50
Fluorene	ND		0.15	0.50
Phenanthrene	ND		0.15	0.50
Anthracene	ND		0.15	0.50
Fluoranthene	ND		0.15	0.50
Pyrene	ND		0.15	0.50
Benzo[a]anthracene	ND		0.15	0.50
Chrysene	ND		0.15	0.50
Benzo[b]fluoranthene	ND		0.15	0.50
Benzo[k]fluoranthene	ND		0.15	0.50
Benzo[a]pyrene	ND		0.15	0.50
Indeno[1,2,3-cd]pyrene	ND		0.15	0.50
Dibenz(a,h)anthracene	ND		0.15	0.50
Benzo[g,h,i]perylene	ND		0.15	0.50
Surrogate	% Rec		Acceptance Limits	
Terphenyl-d14	74		42 - 151	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Control Sample - Batch: 580-111684

**Method: 8270C SIM
Preparation: 3550B**

Lab Sample ID: LCS 580-111684/2-A	Analysis Batch: 580-112072	Instrument ID: TAC023
Client Matrix: Solid	Prep Batch: 580-111684	Lab File ID: HP28007.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 g
Analysis Date: 05/25/2012 1212	Units: ug/Kg	Final Weight/Volume: 2 mL
Prep Date: 05/18/2012 1429		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	100	89.4	89	64 - 129	
2-Methylnaphthalene	100	85.5	85	65 - 125	
1-Methylnaphthalene	100	85.5	85	48 - 148	
Acenaphthylene	99.9	93.6	94	69 - 129	
Acenaphthene	100	89.6	89	65 - 130	
Fluorene	100	91.6	91	68 - 128	
Phenanthrene	100	90.4	90	65 - 125	
Anthracene	100	88.1	88	73 - 123	
Fluoranthene	100	94.7	95	61 - 121	
Pyrene	100	93.5	93	54 - 134	
Benzo[a]anthracene	100	93.6	94	64 - 124	
Chrysene	100	90.5	90	71 - 126	
Benzo[b]fluoranthene	100	97.1	97	66 - 136	
Benzo[k]fluoranthene	100	109	109	63 - 143	
Benzo[a]pyrene	100	97.4	97	68 - 128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59 - 139	
Dibenz(a,h)anthracene	99.9	87.8	88	57 - 142	
Benzo[g,h,i]perylene	100	80.9	81	57 - 142	
Surrogate		% Rec		Acceptance Limits	
Nitrobenzene-d5		87		38 - 141	
2-Fluorobiphenyl		72		42 - 140	
Terphenyl-d14		70		42 - 151	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 580-113152

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	MB 580-113152/3	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1809	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113152

Method: 9060_PSEP

Preparation: N/A

Lab Sample ID:	LCS 580-113152/4	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1811	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	2720	2830	104	34 - 166	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Method Blank - Batch: 200-39415

**Method: Lloyd Kahn
Preparation: N/A**

Lab Sample ID:	MB 200-39415/3	Analysis Batch:	200-39415	Instrument ID:	WCCH2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	052912A003
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/29/2012 1209	Units:	mg/Kg	Final Weight/Volume:	1.0 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39415

**Method: Lloyd Kahn
Preparation: N/A**

Lab Sample ID:	LCS 200-39415/4	Analysis Batch:	200-39415	Instrument ID:	WCCH2
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	052912A005
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	05/29/2012 1222	Units:	mg/Kg	Final Weight/Volume:	1.0 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Black Carbon	9900	13100	132	50 - 150	

DATA REPORTING QUALIFIERS

Client: Anchor QEA LLC

Job Number: 580-32844-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 580-111684					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	3550B	
MB 580-111684/1-A	Method Blank	T	Solid	3550B	
580-32844-5	JW-UR-COMP-120508	T	Solid	3550B	
580-32844-10	JW-DR-COMP-120508	T	Solid	3550B	
580-32844-15	JW-RG-COMP-120508	T	Solid	3550B	
Analysis Batch:580-112072					
LCS 580-111684/2-A	Lab Control Sample	T	Solid	8270C SIM	580-111684
MB 580-111684/1-A	Method Blank	T	Solid	8270C SIM	580-111684
580-32844-5	JW-UR-COMP-120508	T	Solid	8270C SIM	580-111684
580-32844-10	JW-DR-COMP-120508	T	Solid	8270C SIM	580-111684
580-32844-15	JW-RG-COMP-120508	T	Solid	8270C SIM	580-111684
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:200-39415					
LCS 200-39415/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 200-39415/3	Method Blank	T	Solid	Lloyd Kahn	
580-32844-5	JW-UR-COMP-120508	T	Solid	Lloyd Kahn	
580-32844-10	JW-DR-COMP-120508	T	Solid	Lloyd Kahn	
580-32844-15	JW-RG-COMP-120508	T	Solid	Lloyd Kahn	
Analysis Batch:580-111760					
580-32844-5	JW-UR-COMP-120508	T	Solid	D 2216	
Analysis Batch:580-111762					
580-32844-10	JW-DR-COMP-120508	T	Solid	D 2216	
580-32844-15	JW-RG-COMP-120508	T	Solid	D 2216	
Analysis Batch:580-113152					
LCS 580-113152/4	Lab Control Sample	T	Solid	9060_PSEP	
MB 580-113152/3	Method Blank	T	Solid	9060_PSEP	
580-32844-5	JW-UR-COMP-120508	T	Solid	9060_PSEP	
580-32844-10	JW-DR-COMP-120508	T	Solid	9060_PSEP	
580-32844-15	JW-RG-COMP-120508	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Laboratory Chronicle

Lab ID: 580-32844-5

Client ID: JW-UR-COMP-120508

Sample Date/Time: 05/08/2012 14:12

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-5-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-5-A		580-112072	580-111684	05/25/2012	14:22	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-5		580-113152		06/11/2012	19:02	1	TAL SEA	AM
A:D 2216	580-32844-C-5		580-111760		05/21/2012	14:39	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-5		200-39415		05/29/2012	12:35	1	TAL BUR	AJN

Lab ID: 580-32844-10

Client ID: JW-DR-COMP-120508

Sample Date/Time: 05/08/2012 14:32

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-10-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-10-A		580-112072	580-111684	05/25/2012	14:44	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-10		580-113152		06/11/2012	19:06	1	TAL SEA	AM
A:D 2216	580-32844-C-10		580-111762		05/21/2012	15:18	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-10		200-39415		05/29/2012	12:48	1	TAL BUR	AJN

Lab ID: 580-32844-15

Client ID: JW-RG-COMP-120508

Sample Date/Time: 05/08/2012 17:28

Received Date/Time: 05/09/2012 15:15

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	580-32844-C-15-A		580-112072	580-111684	05/18/2012	14:30	1	TAL SEA	SP
A:8270C SIM	580-32844-C-15-A		580-112072	580-111684	05/25/2012	15:06	1	TAL SEA	BT
A:9060_PSEP	580-32844-A-15		580-113152		06/11/2012	19:10	1	TAL SEA	AM
A:D 2216	580-32844-C-15		580-111762		05/21/2012	15:18	1	TAL SEA	EZ
A:Lloyd Kahn	580-32844-A-15		200-39415		05/29/2012	13:01	1	TAL BUR	AJN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3550B	MB 580-111684/1-A		580-112072	580-111684	05/18/2012	14:29	1	TAL SEA	SP
A:8270C SIM	MB 580-111684/1-A		580-112072	580-111684	05/25/2012	11:51	1	TAL SEA	BT
A:9060_PSEP	MB 580-113152/3		580-113152		06/11/2012	18:09	1	TAL SEA	AM
A:Lloyd Kahn	MB 200-39415/3		200-39415		05/29/2012	12:09	1	TAL BUR	AJN

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32844-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3550B	LCS 580-111684/2-A		580-112072	580-111684	05/18/2012	14:29	1	TAL SEA	SP
A:8270C SIM	LCS 580-111684/2-A		580-112072	580-111684	05/25/2012	12:12	1	TAL SEA	BT
A:9060_PSEP	LCS 580-113152/4		580-113152		06/11/2012	18:11	1	TAL SEA	AM
A:Lloyd Kahn	LCS 200-39415/4		200-39415		05/29/2012	12:22	1	TAL BUR	AJN

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270 ARC Surr_00003	04/30/13	05/01/12	DCM/Acetone, Lot 849732	50 mL	8270Surr_00043	10 mL	2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Phenol-d5	40 ug/mL
.8270Surr_00043	04/30/13		Ultra, Lot CG-1103		(Purchased Reagent)		2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	200 ug/mL
8270ICV_1K_00010	04/13/13	04/13/12	DCM, Lot H19E04	100 mL	8270ICVELE_00016	100 uL	1-Methylnaphthalene	1002 ug/L
							2-Methylnaphthalene	1001 ug/L
							Acenaphthene	1001 ug/L
							Acenaphthylene	999.1 ug/L
							Anthracene	999.9 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	999.9 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	999.9 ug/L
							Benzo[k]fluoranthene	1001 ug/L
							Chrysene	999.7 ug/L
							Dibenz(a,h)anthracene	998.8 ug/L
							Fluoranthene	1002 ug/L
							Fluorene	1003 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Naphthalene	999.9 ug/L
							Phenanthrene	999.8 ug/L
Pyrene	1001 ug/L							
.8270ICVELE_00016	09/27/13		o2si, Lot 187582		(Purchased Reagent)		1-Methylnaphthalene	1002 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Anthracene	999.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Chrysene	999.7 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	999.9 ug/mL
							Phenanthrene	999.8 ug/mL
Pyrene	1001 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270LLf1spk_00005	09/20/12	05/10/12	Acetone/DCM, Lot MeCl2_00041	25 mL	8270f1spk_00109	5000 uL	3,3'-Dichlorobenzidine	8.016 ug/mL
							Benzidine	8.072 ug/mL
							1,1'-Biphenyl	4.024 ug/mL
							2,3-Dichlorobenzene	4.004 ug/mL
							2,4-Dinitrophenol	19.976 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							4,6-Dinitro-2-methylphenol	19.9864 ug/mL
							4-Nitrophenol	20.0416 ug/mL
							Acetophenone	4.008 ug/mL
							Atrazine	4.012 ug/mL
							Benzoic acid	20.072 ug/mL
							Cyclohexanone	4.048 ug/mL
							n-Decane	3.9844 ug/mL
							N-Nitrosodimethylamine	20.0708 ug/mL
							n-Octadecane	3.9996 ug/mL
							Pyridine	20.052 ug/mL
							1,2,4-Trichlorobenzene	3.998 ug/mL
							1,2-Dichlorobenzene	4.004 ug/mL
							1,3-Dichlorobenzene	4.004 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1-Methylnaphthalene	4.008 ug/mL
							2,2'-oxybis[1-chloropropane]	3.9948 ug/mL
							2,3,4,6-Tetrachlorophenol	4.096 ug/mL
							2,3,5,6-Tetrachlorophenol	3.992 ug/mL
							2,4,5-Trichlorophenol	4.02 ug/mL
							2,4,6-Trichlorophenol	4.02 ug/mL
							2,4-Dichlorophenol	3.9916 ug/mL
							2,4-Dimethylphenol	3.9904 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4.004 ug/mL
							2-Chlorophenol	4.004 ug/mL
							2-Methylnaphthalene	4.004 ug/mL
							2-Methylphenol	3.9956 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	3.9976 ug/mL
							3 & 4 Methylphenol	3.992 ug/mL
							3-Nitroaniline	4 ug/mL
							4-Bromophenyl phenyl ether	4.008 ug/mL
							4-Chloro-3-methylphenol	4.004 ug/mL
4-Chloroaniline	4 ug/mL							
4-Chlorophenyl phenyl ether	4.008 ug/mL							
4-Nitroaniline	4 ug/mL							
Acenaphthene	4.004 ug/mL							
Acenaphthylene	3.9964 ug/mL							
Aniline	4 ug/mL							
Anthracene	3.9996 ug/mL							
Azobenzene	3.9916 ug/mL							
Benzo[a]anthracene	4 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	3.9996 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	3.9996 ug/mL
							Benzo[k]fluoranthene	4.004 ug/mL
							Benzofluoranthene	7.9084 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4.004 ug/mL
							Bis(2-chloroethyl)ether	4.02 ug/mL
							Bis(2-ethylhexyl) phthalate	4.024 ug/mL
							Butyl benzyl phthalate	4.012 ug/mL
							Carbazole	3.9976 ug/mL
							Chrysene	3.9988 ug/mL
							Di-n-butyl phthalate	3.9996 ug/mL
							Di-n-octyl phthalate	4.004 ug/mL
							Dibenz(a,h)anthracene	3.9952 ug/mL
							Dibenzofuran	4.016 ug/mL
							Diethyl phthalate	4.008 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4.008 ug/mL
							Fluorene	4.012 ug/mL
							Hexachlorobenzene	4.008 ug/mL
							Hexachlorobutadiene	4.004 ug/mL
							Hexachlorocyclopentadiene	3.9908 ug/mL
							Hexachloroethane	4.008 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4.008 ug/mL
							N-Nitrosodi-n-propylamine	3.99 ug/mL
							N-Nitrosodiphenylamine	3.9916 ug/mL
							Naphthalene	3.9996 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	3.9944 ug/mL
							Phenanthrene	3.9992 ug/mL
							Phenol	3.994 ug/mL
							Pyrene	4.004 ug/mL
.8270f1spk_00109	09/20/12	05/08/12	Acetone/DCM, Lot Ac_K27E46/MeC12_0038	50 mL	8270ICVBZD_00016	1000 uL	3,3'-Dichlorobenzidine	40.08 ug/mL
					8270ICVCST_00012	1000 uL	Benidine	40.36 ug/mL
							1,1'-Biphenyl	20.12 ug/mL
							2,3-Dichlorobenzenamine	20.02 ug/mL
							2,4-Dinitrophenol	99.88 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							4,6-Dinitro-2-methylphenol	99.932 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acetophenone	20.04 ug/mL
							Atrazine	20.06 ug/mL
							Benzoic acid	100.36 ug/mL
							Cyclohexanone	20.24 ug/mL
							n-Decane	19.922 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							n-Octadecane	99.914 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8270ICVELE_00017	1000 uL	Pyridine	100.26 ug/mL
							1,2,4-Trichlorobenzene	19.99 ug/mL
							1,2-Dichlorobenzene	20.02 ug/mL
							1,3-Dichlorobenzene	20.02 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1-Methylnaphthalene	20.04 ug/mL
							2,2'-oxybis[1-chloropropane]	19.974 ug/mL
							2,3,4,6-Tetrachlorophenol	20.48 ug/mL
							2,3,5,6-Tetrachlorophenol	19.96 ug/mL
							2,4,5-Trichlorophenol	20.1 ug/mL
							2,4,6-Trichlorophenol	20.1 ug/mL
							2,4-Dichlorophenol	19.958 ug/mL
							2,4-Dimethylphenol	19.952 ug/mL
							2,4-Dinitrophenol	99.88 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20.02 ug/mL
							2-Chlorophenol	20.02 ug/mL
							2-Methylnaphthalene	20.02 ug/mL
							2-Methylphenol	19.978 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	19.988 ug/mL
							3 & 4 Methylphenol	19.96 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	99.932 ug/mL
							4-Bromophenyl phenyl ether	20.04 ug/mL
							4-Chloro-3-methylphenol	20.02 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20.04 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	100.208 ug/mL
							Acenaphthene	20.02 ug/mL
							Acenaphthylene	19.982 ug/mL
							Aniline	20 ug/mL
							Anthracene	19.998 ug/mL
							Azobenzene	19.958 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	19.998 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	19.998 ug/mL
							Benzo[k]fluoranthene	20.02 ug/mL
							Benzofluoranthene	39.542 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20.02 ug/mL
							Bis(2-chloroethyl)ether	20.1 ug/mL
							Bis(2-ethylhexyl) phthalate	20.12 ug/mL
							Butyl benzyl phthalate	20.06 ug/mL
							Carbazole	19.988 ug/mL
							Chrysene	19.994 ug/mL
							Di-n-butyl phthalate	06/18/2012

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	20.02 ug/mL
							Dibenz(a,h)anthracene	19.976 ug/mL
							Dibenzofuran	20.08 ug/mL
							Diethyl phthalate	20.04 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20.04 ug/mL
							Fluorene	20.06 ug/mL
							Hexachlorobenzene	20.04 ug/mL
							Hexachlorobutadiene	20.02 ug/mL
							Hexachlorocyclopentadiene	19.954 ug/mL
							Hexachloroethane	20.04 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20.04 ug/mL
							N-Nitrosodi-n-propylamine	19.95 ug/mL
							N-Nitrosodimethylamine	100.354 ug/mL
							N-Nitrosodiphenylamine	19.958 ug/mL
							Naphthalene	19.998 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	19.972 ug/mL
							Phenanthrene	19.996 ug/mL
							Phenol	19.97 ug/mL
							Pyrene	20.02 ug/mL
							Pyridine	100.26 ug/mL
..8270ICVBZD_00016	04/11/14		o2si, Lot 186397			(Purchased Reagent)	3,3'-Dichlorobenzidine	2004 ug/mL
							Benzidine	2018 ug/mL
..8270ICVCS_00012	02/27/14		o2si, Lot 186224			(Purchased Reagent)	1,1'-Biphenyl	1006 ug/mL
							2,3-Dichlorobenzenamine	1001 ug/mL
							2,4-Dinitrophenol	3994 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	3997 ug/mL
							4-Nitrophenol	4011 ug/mL
							Acetophenone	1002 ug/mL
							Atrazine	1003 ug/mL
							Benzoic acid	5018 ug/mL
							Cyclohexanone	1012 ug/mL
							n-Decane	996.1 ug/mL
							N-Nitrosodimethylamine	4020 ug/mL
							n-Octadecane	999.9 ug/mL
							Pyridine	4013 ug/mL
..8270ICVELE_00017	07/18/13		o2si, Lot 184478			(Purchased Reagent)	1,2,4-Trichlorobenzene	999.5 ug/mL
							1,2-Dichlorobenzene	1001 ug/mL
							1,3-Dichlorobenzene	1001 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1002 ug/mL
							2,2'-oxybis[1-chloropropane]	998.7 ug/mL
							2,3,4,6-Tetrachlorophenol	1024 ug/mL
							2,3,5,6-Tetrachlorophenol	998 ug/mL
							2,4,5-Trichlorophenol	1005 ug/mL
							2,4,6-Trichlorophenol	1005 ug/mL
							2,4-Dichlorophenol	1005 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	997.6 ug/mL
							2,4-Dinitrophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1001 ug/mL
							2-Chlorophenol	1001 ug/mL
							2-Methylnaphthalene	1001 ug/mL
							2-Methylphenol	998.9 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	999.4 ug/mL
							3 & 4 Methylphenol	998 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	999.6 ug/mL
							4-Bromophenyl phenyl ether	1002 ug/mL
							4-Chloro-3-methylphenol	1001 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1002 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	999.4 ug/mL
							Acenaphthene	1001 ug/mL
							Acenaphthylene	999.1 ug/mL
							Aniline	1000 ug/mL
							Anthracene	999.9 ug/mL
							Azobenzene	997.9 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	999.9 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	999.9 ug/mL
							Benzo[k]fluoranthene	1001 ug/mL
							Benzofluoranthene	1977.1 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1001 ug/mL
							Bis(2-chloroethyl)ether	1005 ug/mL
							Bis(2-ethylhexyl) phthalate	1006 ug/mL
							Butyl benzyl phthalate	1003 ug/mL
							Carbazole	999.4 ug/mL
							Chrysene	999.7 ug/mL
							Di-n-butyl phthalate	999.9 ug/mL
							Di-n-octyl phthalate	1001 ug/mL
							Dibenz(a,h)anthracene	998.8 ug/mL
							Dibenzofuran	1004 ug/mL
							Diethyl phthalate	1002 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1002 ug/mL
							Fluorene	1003 ug/mL
							Hexachlorobenzene	1002 ug/mL
							Hexachlorobutadiene	1001 ug/mL
							Hexachlorocyclopentadiene	997.7 ug/mL
							Hexachloroethane	1002 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	1002 ug/mL
							N-Nitrosodi-n-propylamine	997.5 ug/mL
							N-Nitrosodimethylamine	997.7 ug/mL
							N-Nitrosodiphenylamine	997.9 ug/mL
							Naphthalene	999.9 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	998.6 ug/mL
							Phenanthrene	999.8 ug/mL
							Phenol	998.5 ug/mL
							Pyrene	1001 ug/mL
							Pyridine	1000 ug/mL
CaCO3_00002	06/02/17		ACROS, Lot A0311356			(Purchased Reagent)	Total Organic Carbon	12 g
IC_SIM_IS_10_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	1 uL	1-Methylnaphthalene	10 ug/L
							2-Methylnaphthalene	10 ug/L
							Acenaphthene	10 ug/L
							Acenaphthylene	10 ug/L
							Anthracene	10 ug/L
							Benzo[a]anthracene	10 ug/L
							Benzo[a]pyrene	10 ug/L
							Benzo[b]fluoranthene	10 ug/L
							Benzo[g,h,i]perylene	10 ug/L
							Benzo[k]fluoranthene	10 ug/L
							Chrysene	10 ug/L
							Dibenz(a,h)anthracene	10 ug/L
							Fluoranthene	10 ug/L
							Fluorene	10 ug/L
							Indeno[1,2,3-cd]pyrene	10 ug/L
							Naphthalene	10 ug/L
							Pentachlorophenol	10 ug/L
							Phenanthrene	10 ug/L
							Pyrene	10 ug/L
							2,4,6-Tribromophenol	9.8475 ug/L
							2-Fluorobiphenyl	9.86 ug/L
							Nitrobenzene-d5	9.84 ug/L
							Terphenyl-d14	9.7 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz (a,h) anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz (a,h) anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_100_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270SurSTK_00016	10 uL	1-Methylnaphthalene	120 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration							
					Reagent ID	Volume Added									
							2-Methylnaphthalene	100 ug/L							
							Acenaphthene	100 ug/L							
							Acenaphthylene	100 ug/L							
							Anthracene	100 ug/L							
							Benzo[a]anthracene	100 ug/L							
							Benzo[a]pyrene	100 ug/L							
							Benzo[b]fluoranthene	100 ug/L							
							Benzo[g,h,i]perylene	100 ug/L							
							Benzo[k]fluoranthene	100 ug/L							
							Chrysene	100 ug/L							
							Dibenz(a,h)anthracene	100 ug/L							
							Fluoranthene	100 ug/L							
							Fluorene	100 ug/L							
							Indeno[1,2,3-cd]pyrene	100 ug/L							
							Naphthalene	100 ug/L							
							Pentachlorophenol	100 ug/L							
							Phenanthrene	100 ug/L							
							Pyrene	100 ug/L							
							2,4,6-Tribromophenol	98.475 ug/L							
							2-Fluorobiphenyl	98.6 ug/L							
							Nitrobenzene-d5	98.4 ug/L							
8270SIM_IS_00005	100 uL					1,4-Dichlorobenzene-d4	95.55 ug/L								
						Acenaphthene-d10	98 ug/L								
						Chrysene-d12	98.05 ug/L								
						Naphthalene-d8	95.2 ug/L								
						Perylene-d12	98.9 ug/L								
						Phenanthrene-d10	97.95 ug/L								
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L							
							2-Methylnaphthalene	100000 ug/L							
							Acenaphthene	100000 ug/L							
							Acenaphthylene	100000 ug/L							
							Anthracene	100000 ug/L							
							Benzo[a]anthracene	100000 ug/L							
							Benzo[a]pyrene	100000 ug/L							
							Benzo[b]fluoranthene	100000 ug/L							
							Benzo[g,h,i]perylene	100000 ug/L							
							Benzo[k]fluoranthene	100000 ug/L							
							Chrysene	100000 ug/L							
							Dibenz(a,h)anthracene	100000 ug/L							
							Fluoranthene	100000 ug/L							
							Fluorene	100000 ug/L							
							Indeno[1,2,3-cd]pyrene	100000 ug/L							
							Naphthalene	100000 ug/L							
							Pentachlorophenol	100000 ug/L							
							Phenanthrene	100000 ug/L							
							Pyrene	100000 ug/L							
							8270SurSTK_00005	0.25 mL						2,4,6-Tribromophenol	98475 ug/L
														2-Fluorobiphenyl	98600 ug/L
Nitrobenzene-d5	98600 ug/L														

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	Terphenyl-d14	97000 ug/L
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
Pentachlorophenol	1000 ug/mL							
Phenanthrene	1000 ug/mL							
Pyrene	1000 ug/mL							
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_1K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	100 uL	1-Methylnaphthalene	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Chrysene	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration								
					Reagent ID	Volume Added										
							Indeno[1,2,3-cd]pyrene	1000 ug/L								
							Naphthalene	1000 ug/L								
							Pentachlorophenol	1000 ug/L								
							Phenanthrene	1000 ug/L								
							Pyrene	1000 ug/L								
							2,4,6-Tribromophenol	984.75 ug/L								
							2-Fluorobiphenyl	986 ug/L								
							Nitrobenzene-d5	984 ug/L								
							Terphenyl-d14	970 ug/L								
							8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L						
							Acenaphthene-d10	98 ug/L								
							Chrysene-d12	98.05 ug/L								
							Naphthalene-d8	95.2 ug/L								
							Perylene-d12	98.9 ug/L								
Phenanthrene-d10	97.95 ug/L															
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L								
							2-Methylnaphthalene	100000 ug/L								
							Acenaphthene	100000 ug/L								
							Acenaphthylene	100000 ug/L								
							Anthracene	100000 ug/L								
							Benzo[a]anthracene	100000 ug/L								
							Benzo[a]pyrene	100000 ug/L								
							Benzo[b]fluoranthene	100000 ug/L								
							Benzo[g,h,i]perylene	100000 ug/L								
							Benzo[k]fluoranthene	100000 ug/L								
							Chrysene	100000 ug/L								
							Dibenz(a,h)anthracene	100000 ug/L								
							Fluoranthene	100000 ug/L								
							Fluorene	100000 ug/L								
							Indeno[1,2,3-cd]pyrene	100000 ug/L								
							Naphthalene	100000 ug/L								
							Pentachlorophenol	100000 ug/L								
							Phenanthrene	100000 ug/L								
							Pyrene	100000 ug/L								
							8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L						
							2-Fluorobiphenyl	98600 ug/L								
							Nitrobenzene-d5	98400 ug/L								
							Terphenyl-d14	97000 ug/L								
							..8270msstk_00023	07/31/12		Restek, Lot A079604				(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
														2-Methylnaphthalene	1000 ug/mL	
														Acenaphthene	1000 ug/mL	
Acenaphthylene	1000 ug/mL															
Anthracene	1000 ug/mL															
Benzo[a]anthracene	1000 ug/mL															
Benzo[a]pyrene	1000 ug/mL															
Benzo[b]fluoranthene	1000 ug/mL															
Benzo[g,h,i]perylene	1000 ug/mL															
Benzo[k]fluoranthene	1000 ug/mL															
Chrysene	1000 ug/mL															
Dibenz(a,h)anthracene	1000 ug/mL															

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_2K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	200 uL	1-Methylnaphthalene	2000 ug/L
							2-Methylnaphthalene	2000 ug/L
							Acenaphthene	2000 ug/L
							Acenaphthylene	2000 ug/L
							Anthracene	2000 ug/L
							Benzo[a]anthracene	2000 ug/L
							Benzo[a]pyrene	2000 ug/L
							Benzo[b]fluoranthene	2000 ug/L
							Benzo[g,h,i]perylene	2000 ug/L
							Benzo[k]fluoranthene	2000 ug/L
							Chrysene	2000 ug/L
							Dibenz(a,h)anthracene	2000 ug/L
							Fluoranthene	2000 ug/L
							Fluorene	2000 ug/L
							Indeno[1,2,3-cd]pyrene	2000 ug/L
							Naphthalene	2000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	2000 ug/L
							Pyrene	2000 ug/L
							2,4,6-Tribromophenol	1969.5 ug/L
							2-Fluorobiphenyl	1972 ug/L
							Nitrobenzene-d5	1968 ug/L
							Terphenyl-d14	1940 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	96.21 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
							1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
					Fluoranthene	100000 ug/L		
					Fluorene	100000 ug/L		
					Indeno[1,2,3-cd]pyrene	100000 ug/L		
					Naphthalene	100000 ug/L		
					Pentachlorophenol	100000 ug/L		
					Phenanthrene	100000 ug/L		
Pyrene	100000 ug/L							
.8270SurSTK_00005						0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
Acenaphthene	1000 ug/mL							
Acenaphthylene	1000 ug/mL							
Anthracene	1000 ug/mL							
Benzo[a]anthracene	1000 ug/mL							
Benzo[a]pyrene	1000 ug/mL							
Benzo[b]fluoranthene	1000 ug/mL							
Benzo[g,h,i]perylene	1000 ug/mL							
Benzo[k]fluoranthene	1000 ug/mL							
Chrysene	1000 ug/mL							
Dibenz(a,h)anthracene	1000 ug/mL							
Fluoranthene	1000 ug/mL							
Fluorene	1000 ug/mL							
Indeno[1,2,3-cd]pyrene	1000 ug/mL							
Naphthalene	1000 ug/mL							
Pentachlorophenol	1000 ug/mL							
Phenanthrene	1000 ug/mL							
Pyrene	1000 ug/mL							
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	
							2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
							1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
IC_SIM_IS_5_00009	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	0.5 uL	1-Methylnaphthalene	5 ug/L
							2-Methylnaphthalene	5 ug/L
							Acenaphthene	5 ug/L
							Acenaphthylene	5 ug/L
							Anthracene	5 ug/L
							Benzo[a]anthracene	5 ug/L
							Benzo[a]pyrene	5 ug/L
							Benzo[b]fluoranthene	5 ug/L
							Benzo[g,h,i]perylene	5 ug/L
							Benzo[k]fluoranthene	5 ug/L
							Chrysene	5 ug/L
							Dibenz(a,h)anthracene	5 ug/L
							Fluoranthene	5 ug/L
							Fluorene	5 ug/L
							Indeno[1,2,3-cd]pyrene	5 ug/L
Naphthalene	5 ug/L							
Phenanthrene	5 ug/L							
Pyrene	5 ug/L							
2,4,6-Tribromophenol	4.92375 ug/L							
2-Fluorobiphenyl	4.93 ug/L							
Nitrobenzene-d5	4.92 ug/L							
Terphenyl-d14	4.85 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
Phenanthrene-d10	97.95 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690		(Purchased Reagent)		2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_50_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	5 uL	1-Methylnaphthalene	50 ug/L
							2-Methylnaphthalene	50 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Anthracene	50 ug/L
							Benzo[a]anthracene	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration					
					Reagent ID	Volume Added							
							Benzo[a]pyrene	50 ug/L					
							Benzo[b]fluoranthene	50 ug/L					
							Benzo[g,h,i]perylene	50 ug/L					
							Benzo[k]fluoranthene	50 ug/L					
							Chrysene	50 ug/L					
							Dibenz(a,h)anthracene	50 ug/L					
							Fluoranthene	50 ug/L					
							Fluorene	50 ug/L					
							Indeno[1,2,3-cd]pyrene	50 ug/L					
							Naphthalene	50 ug/L					
							Pentachlorophenol	50 ug/L					
							Phenanthrene	50 ug/L					
							Pyrene	50 ug/L					
							2,4,6-Tribromophenol	49.2375 ug/L					
							2-Fluorobiphenyl	49.3 ug/L					
							Nitrobenzene-d5	49.2 ug/L					
							Terphenyl-d14	48.5 ug/L					
							8270SIM_IS_00005					100 uL	1,4-Dichlorobenzene-d4
Acenaphthene-d10	98 ug/L												
Chrysene-d12	98.05 ug/L												
Naphthalene-d8	95.2 ug/L												
Perylene-d12	98.9 ug/L												
Phenanthrene-d10	97.95 ug/L												
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L					
							2-Methylnaphthalene	100000 ug/L					
							Acenaphthene	100000 ug/L					
							Acenaphthylene	100000 ug/L					
							Anthracene	100000 ug/L					
							Benzo[a]anthracene	100000 ug/L					
							Benzo[a]pyrene	100000 ug/L					
							Benzo[b]fluoranthene	100000 ug/L					
							Benzo[g,h,i]perylene	100000 ug/L					
							Benzo[k]fluoranthene	100000 ug/L					
							Chrysene	100000 ug/L					
							Dibenz(a,h)anthracene	100000 ug/L					
							Fluoranthene	100000 ug/L					
							Fluorene	100000 ug/L					
							Indeno[1,2,3-cd]pyrene	100000 ug/L					
					Naphthalene	100000 ug/L							
					Pentachlorophenol	100000 ug/L							
					Phenanthrene	100000 ug/L							
					Pyrene	100000 ug/L							
					8270SurSTK_00005					0.25 mL	2,4,6-Tribromophenol	98475 ug/L	
											2-Fluorobiphenyl	98600 ug/L	
											Nitrobenzene-d5	98400 ug/L	
					..8270msstk_00023	07/31/12		Restek, Lot A079604				Terphenyl-d14	97000 ug/L
												1-Methylnaphthalene	1000 ug/mL
												2-Methylnaphthalene	1000 ug/mL
												Acenaphthene	1000 ug/mL
											(Purchased Reagent)	Acenaphthylene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
IC_SIM_IS_500_00012	05/23/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Pentachlorophenol	500 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Tribromophenol	492.375 ug/L
							2-Fluorobiphenyl	493 ug/L
							Nitrobenzene-d5	492 ug/L
							Terphenyl-d14	485 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
Benzo[g,h,i]perylene	100000 ug/L							
Benzo[k]fluoranthene	100000 ug/L							
Chrysene	100000 ug/L							
Dibenz(a,h)anthracene	100000 ug/L							
Fluoranthene	100000 ug/L							
Fluorene	100000 ug/L							
Indeno[1,2,3-cd]pyrene	100000 ug/L							
Naphthalene	100000 ug/L							
Pentachlorophenol	100000 ug/L							
Phenanthrene	100000 ug/L							
Pyrene	100000 ug/L							
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
							2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	Terphenyl-d14	3880 ug/mL
							1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
.8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	Phenanthrene-d10	9.795 ug/mL
							1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
IC_SIM_IS_500_00013	07/31/12	04/02/12	DCM, Lot 741263	10 mL	8270_ICSTK_00016	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol	492.375 ug/L
							2-Fluorobiphenyl	493 ug/L
Nitrobenzene-d5	492 ug/L							
Terphenyl-d14	485 ug/L							
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	100000 ug/L
							Dibenz (a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz (a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
IC_SIM_IS_5K_00007	05/23/12	07/20/11	DCM, Lot 741263	10 mL	8270_ICSTK_00016	500 uL	1-Methylnaphthalene	5000 ug/L
							2-Methylnaphthalene	5000 ug/L
							Acenaphthene	5000 ug/L
							Acenaphthylene	5000 ug/L
							Anthracene	5000 ug/L
							Benzo[a]anthracene	5000 ug/L
							Benzo[a]pyrene	5000 ug/L
							Benzo[b]fluoranthene	5000 ug/L
							Benzo[g,h,i]perylene	5000 ug/L
							Benzo[k]fluoranthene	5000 ug/L
							Chrysene	5000 ug/L
							Dibenz (a,h)anthracene	5000 ug/L
							Fluoranthene	5000 ug/L
							Fluorene	5000 ug/L
							Indeno[1,2,3-cd]pyrene	5000 ug/L
							Naphthalene	5000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	5000 ug/L
							Phenanthrene	5000 ug/L
							Pyrene	5000 ug/L
							2,4,6-Tribromophenol	4923.75 ug/L
							2-Fluorobiphenyl	4930 ug/L
							Nitrobenzene-d5	4920 ug/L
							Terphenyl-d14	4850 ug/L
					8270SIM_IS_00005	100 uL	1,4-Dichlorobenzene-d4	95.55 ug/L
							Acenaphthene-d10	98 ug/L
							Chrysene-d12	98.05 ug/L
							Naphthalene-d8	95.2 ug/L
							Perylene-d12	98.9 ug/L
							Phenanthrene-d10	97.95 ug/L
.8270_ICSTK_00016	07/31/12	11/11/11	DCM, Lot 824397	10 mL	8270msstk_00023	1 mL	1-Methylnaphthalene	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L
							Benzo[k]fluoranthene	100000 ug/L
							Chrysene	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Naphthalene	100000 ug/L
							Pentachlorophenol	100000 ug/L
							Phenanthrene	100000 ug/L
							Pyrene	100000 ug/L
					8270SurSTK_00005	0.25 mL	2,4,6-Tribromophenol	98475 ug/L
							2-Fluorobiphenyl	98600 ug/L
							Nitrobenzene-d5	98400 ug/L
							Terphenyl-d14	97000 ug/L
..8270msstk_00023	07/31/12		Restek, Lot A079604			(Purchased Reagent)	1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SurSTK_00005	12/31/13		Supelco, Lot LB80690			(Purchased Reagent)	2,4,6-Tribromophenol	3939 ug/mL
							2-Fluorobiphenyl	3944 ug/mL
							Nitrobenzene-d5	3936 ug/mL
							Terphenyl-d14	3880 ug/mL
.8270SIM_IS_00005	05/23/12	11/23/11	DCM, Lot 824397	100 mL	8270ISTDsk_00004	0.5 mL	1,4-Dichlorobenzene-d4	9.555 ug/mL
							Acenaphthene-d10	9.8 ug/mL
							Chrysene-d12	9.805 ug/mL
							Naphthalene-d8	9.52 ug/mL
							Perylene-d12	9.89 ug/mL
							Phenanthrene-d10	9.795 ug/mL
..8270ISTDsk_00004	02/28/14		Supelco, Lot LB82352			(Purchased Reagent)	1,4-Dichlorobenzene-d4	1911 ug/mL
							Acenaphthene-d10	1960 ug/mL
							Chrysene-d12	1961 ug/mL
							Naphthalene-d8	1904 ug/mL
							Perylene-d12	1978 ug/mL
							Phenanthrene-d10	1959 ug/mL
TOCS_LCS_00002	03/31/13		ERA, Lot D066-542			(Purchased Reagent)	Total Organic Carbon	2720 mg/Kg
WCBCLCSs_00006	03/31/19		NIST, Lot SRM1944			(Purchased Reagent)	Black Carbon	0.0099 g/g
WCLKCVs_00006	11/17/12		COSTECH, Lot NA			(Purchased Reagent)	Black Carbon	0.7109 g/g

Certification Summary

Client: Anchor QEA LLC
 Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32844-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8270C SIM

Semivolatile Organic Compounds
(GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
	LCS 580-111684/2-A	87	72	70

NBZ = Nitrobenzene-d5
FBP = 2-Fluorobiphenyl
TPH = Terphenyl-d14

QC LIMITS
38-141
42-140
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): ZB-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TPH #
JW-UR-COMP-120508	580-32844-5	74
JW-DR-COMP-120508	580-32844-10	65
JW-RG-COMP-120508	580-32844-15	69
	MB 580-111684/1-A	74

TPH = Terphenyl-d14

QC LIMITS
42-151

Column to be used to flag recovery values

FORM II 8270C SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: HP28007.D

Lab ID: LCS 580-111684/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	100	89.4	89	64-129	
2-Methylnaphthalene	100	85.5	85	65-125	
1-Methylnaphthalene	100	85.5	85	48-148	
Acenaphthylene	99.9	93.6	94	69-129	
Acenaphthene	100	89.6	89	65-130	
Fluorene	100	91.6	91	68-128	
Phenanthrene	100	90.4	90	65-125	
Anthracene	100	88.1	88	73-123	
Fluoranthene	100	94.7	95	61-121	
Pyrene	100	93.5	93	54-134	
Benzo[a]anthracene	100	93.6	94	64-124	
Chrysene	100	90.5	90	71-126	
Benzo[b]fluoranthene	100	97.1	97	66-136	
Benzo[k]fluoranthene	100	109	109	63-143	
Benzo[a]pyrene	100	97.4	97	68-128	
Indeno[1,2,3-cd]pyrene	100	84.6	85	59-139	
Dibenz(a,h)anthracene	99.9	87.8	88	57-142	
Benzo[g,h,i]perylene	100	80.9	81	57-142	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
SDG No.: _____
Lab File ID: HP28006.D Lab Sample ID: MB 580-111684/1-A
Matrix: Solid Date Extracted: 05/18/2012 14:29
Instrument ID: TAC023 Date Analyzed: 05/25/2012 11:51
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-111684/2-A	HP28007.D	05/25/2012 12:12
JW-UR-COMP-120508	580-32844-5	HP28013.D	05/25/2012 14:22
JW-DR-COMP-120508	580-32844-10	HP28014.D	05/25/2012 14:44
JW-RG-COMP-120508	580-32844-15	HP28015.D	05/25/2012 15:06

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab File ID: HP27813.D DFTPP Injection Date: 04/26/2012
 Instrument ID: TAC023 DFTPP Injection Time: 15:32
 Analysis Batch No.: 110125

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	31.9
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.7
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	10.0 - 80.0 % of mass 198	47.1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	28.2
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	20.0
442	Greater than 50.0 % of mass 198	130.3
443	15.0 - 24.0 % of mass 442	26.0 (20.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 580-110125/3	HP27815.D	04/26/2012	16:06
	IC 580-110125/4	HP27816.D	04/26/2012	16:28
	IC 580-110125/5	HP27817.D	04/26/2012	16:50
	IC 580-110125/6	HP27818.D	04/26/2012	17:11
	ICIS 580-110125/7	HP27819.D	04/26/2012	17:33
	IC 580-110125/8	HP27820.D	04/26/2012	17:55
	IC 580-110125/9	HP27821.D	04/26/2012	18:16
	IC 580-110125/10	HP27822.D	04/26/2012	18:38
	ICV 580-110125/11	HP27823.D	04/26/2012	19:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab File ID: HP28004.D DFTPP Injection Date: 05/25/2012
 Instrument ID: TAC023 DFTPP Injection Time: 10:11
 Analysis Batch No.: 112072

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	36.5
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	42.9
70	Less than 2.0 % of mass 69	0.2 (0.4)1
127	10.0 - 80.0 % of mass 198	50.2
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.8
275	10.0 - 60.0 % of mass 198	28.0
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	19.2
442	Greater than 50.0 % of mass 198	122.6
443	15.0 - 24.0 % of mass 442	24.8 (20.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-112072/2	HP28005.D	05/25/2012	10:24
	MB 580-111684/1-A	HP28006.D	05/25/2012	11:51
	LCS 580-111684/2-A	HP28007.D	05/25/2012	12:12
JW-UR-COMP-120508	580-32844-5	HP28013.D	05/25/2012	14:22
JW-DR-COMP-120508	580-32844-10	HP28014.D	05/25/2012	14:44
JW-RG-COMP-120508	580-32844-15	HP28015.D	05/25/2012	15:06

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	30839	3.88	49046	4.87	27682	6.29
UPPER LIMIT	61678	4.38	98092	5.37	55364	6.79
LOWER LIMIT	15420	3.38	24523	4.37	13841	5.79
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	41529	3.89	51301	4.87	29370	6.29

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: ICIS 580-110125/7 Date Analyzed: 04/26/2012 17:33
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25(mm)
 Lab File ID (Standard): HP27819.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	42366	7.52	50070	9.74	38494	11.50
UPPER LIMIT	84732	8.02	100140	10.24	76988	12.00
LOWER LIMIT	21183	7.02	25035	9.24	19247	11.00
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 580-110125/11	45820	7.52	55067	9.74	42441	11.50

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	26236	3.86	44540	4.84	24882	6.26	
UPPER LIMIT	52472	4.36	89080	5.34	49764	6.76	
LOWER LIMIT	13118	3.36	22270	4.34	12441	5.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111684/1-A	17886	3.86	46569	4.85	25232	6.27	
LCS 580-111684/2-A	34419	3.86	42276	4.84	23915	6.26	
580-32844-5	JW-UR-COMP-120508	16521	3.85	43642	4.84	24225	6.26
580-32844-10	JW-DR-COMP-120508	15808	3.85	41769	4.84	22847	6.26
580-32844-15	JW-RG-COMP-120508	14776	3.85	38256	4.84	21258	6.26

DCB = 1,4-Dichlorobenzene-d4
 NPT = Naphthalene-d8
 ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Sample No.: CCVIS 580-112072/2 Date Analyzed: 05/25/2012 10:24
 Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm)
 Lab File ID (Standard): HP28005.D Heated Purge: (Y/N) N
 Calibration ID: 10810

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	37694	7.49	43217	9.71	31605	11.45	
UPPER LIMIT	75388	7.99	86434	10.21	63210	11.95	
LOWER LIMIT	18847	6.99	21609	9.21	15803	10.95	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-111684/1-A	39169	7.49	40860	9.72	28574	11.46	
LCS 580-111684/2-A	36002	7.49	42854	9.71	29429	11.45	
580-32844-5	JW-UR-COMP-120508	37928	7.49	41804	9.71	36314	11.45
580-32844-10	JW-DR-COMP-120508	35478	7.49	38828	9.71	32359	11.45
580-32844-15	JW-RG-COMP-120508	33065	7.49	37976	9.71	31273	11.45

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-UR-COMP-120508 Lab Sample ID: 580-32844-5
 Matrix: Solid Lab File ID: HP28013.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 14:12
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.9473(g) Date Analyzed: 05/25/2012 14:22
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 46.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.3		0.89	0.36
91-57-6	2-Methylnaphthalene	0.41	J	0.89	0.36
90-12-0	1-Methylnaphthalene	0.28	J	0.89	0.27
208-96-8	Acenaphthylene	1.6		0.89	0.27
83-32-9	Acenaphthene	0.32	J	0.89	0.27
86-73-7	Fluorene	0.66	J	0.89	0.27
85-01-8	Phenanthrene	3.4		0.89	0.27
120-12-7	Anthracene	2.5		0.89	0.27
206-44-0	Fluoranthene	20		0.89	0.27
129-00-0	Pyrene	16		0.89	0.27
56-55-3	Benzo[a]anthracene	10		0.89	0.27
218-01-9	Chrysene	17		0.89	0.27
205-99-2	Benzo[b]fluoranthene	13		0.89	0.27
207-08-9	Benzo[k]fluoranthene	5.2		0.89	0.27
50-32-8	Benzo[a]pyrene	8.2		0.89	0.27
193-39-5	Indeno[1,2,3-cd]pyrene	4.4		0.89	0.27
53-70-3	Dibenz(a,h)anthracene	0.95		0.89	0.27
191-24-2	Benzo[g,h,i]perylene	3.3		0.89	0.27

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
 Lims ID: 580-32844-C-5-A Client ID: JW-UR-COMP-120508
 Inject. Date: 25-May-2012 14:22:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-5-a
 Misc. Info.: 580-0023449-010 =580-0023449-010
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 112072 Lims Sample ID: 10
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:21:46

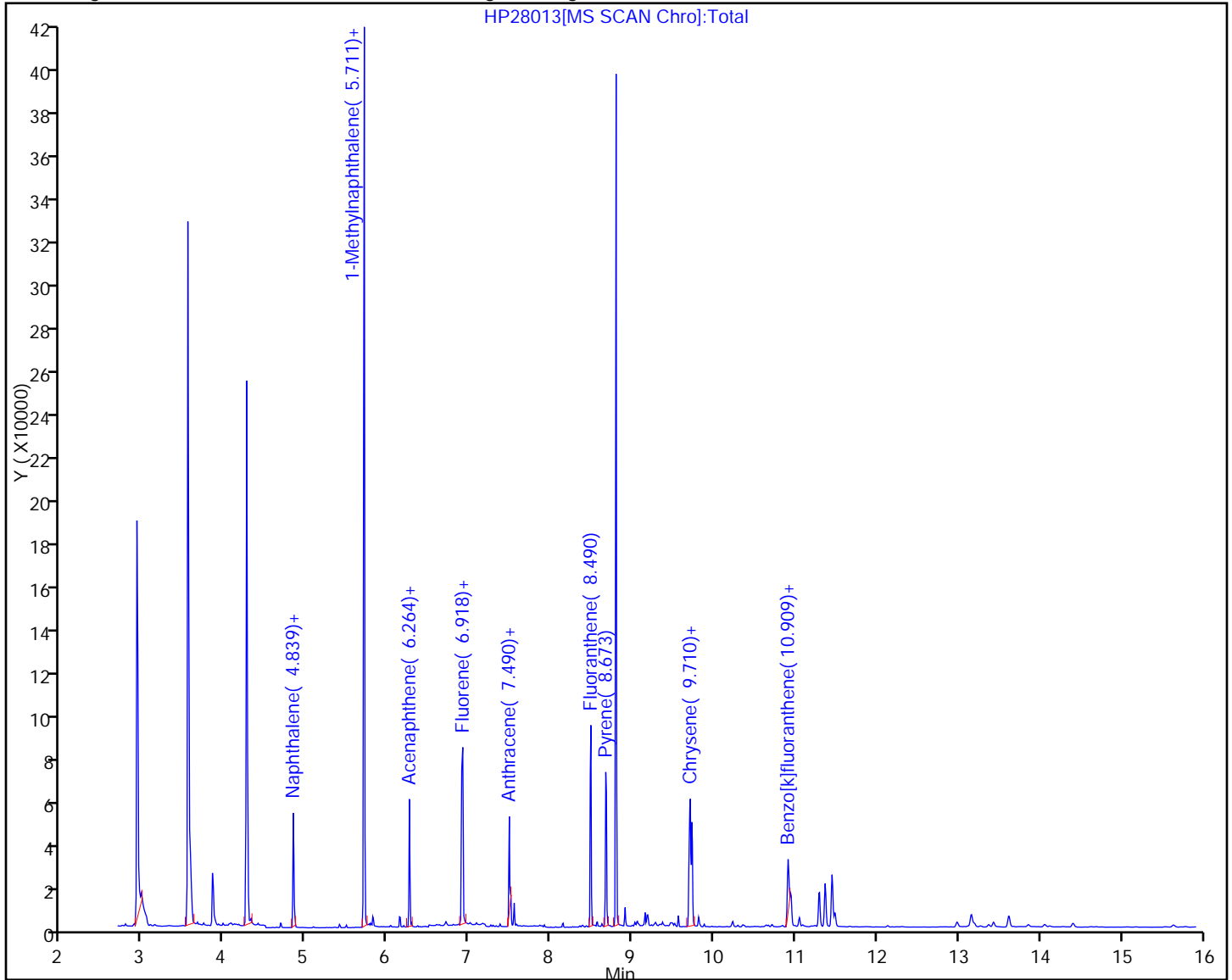
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	16521	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	43642	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24225	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37928	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	41804	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	36314	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	133859	931.4	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	254181	696.3	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	303263	738.8	
26 Naphthalene	128	4.860	4.860	0.0	1	3619	7.39	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	661	2.31	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	448	1.56	
31 Acenaphthylene	152	6.143	6.143	0.0	1	4074	9.03	
29 Acenaphthene	153	6.290	6.289	0.001	3	551	1.81	
32 Fluorene	166	6.712	6.712	0.0	1	1171	3.71	
37 Phenanthrene	178	7.510	7.510	0.0	1	9233	19.4	
38 Anthracene	178	7.550	7.550	0.0	1	6701	14.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	58771	112.6	
41 Pyrene	202	8.673	8.680	-0.007	38	48530	89.3	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	26788	57.1	
43 Chrysene	228	9.729	9.729	0.0	1	47827	98.2	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	37824	74.4	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	14969	29.1	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	21029	46.4	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	10181	24.8	
49 Dibenz(a,h)anthracene	278	13.195	13.202	-0.007	1	2321	5.36	M
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	8390	18.7	

QC Flag Legend

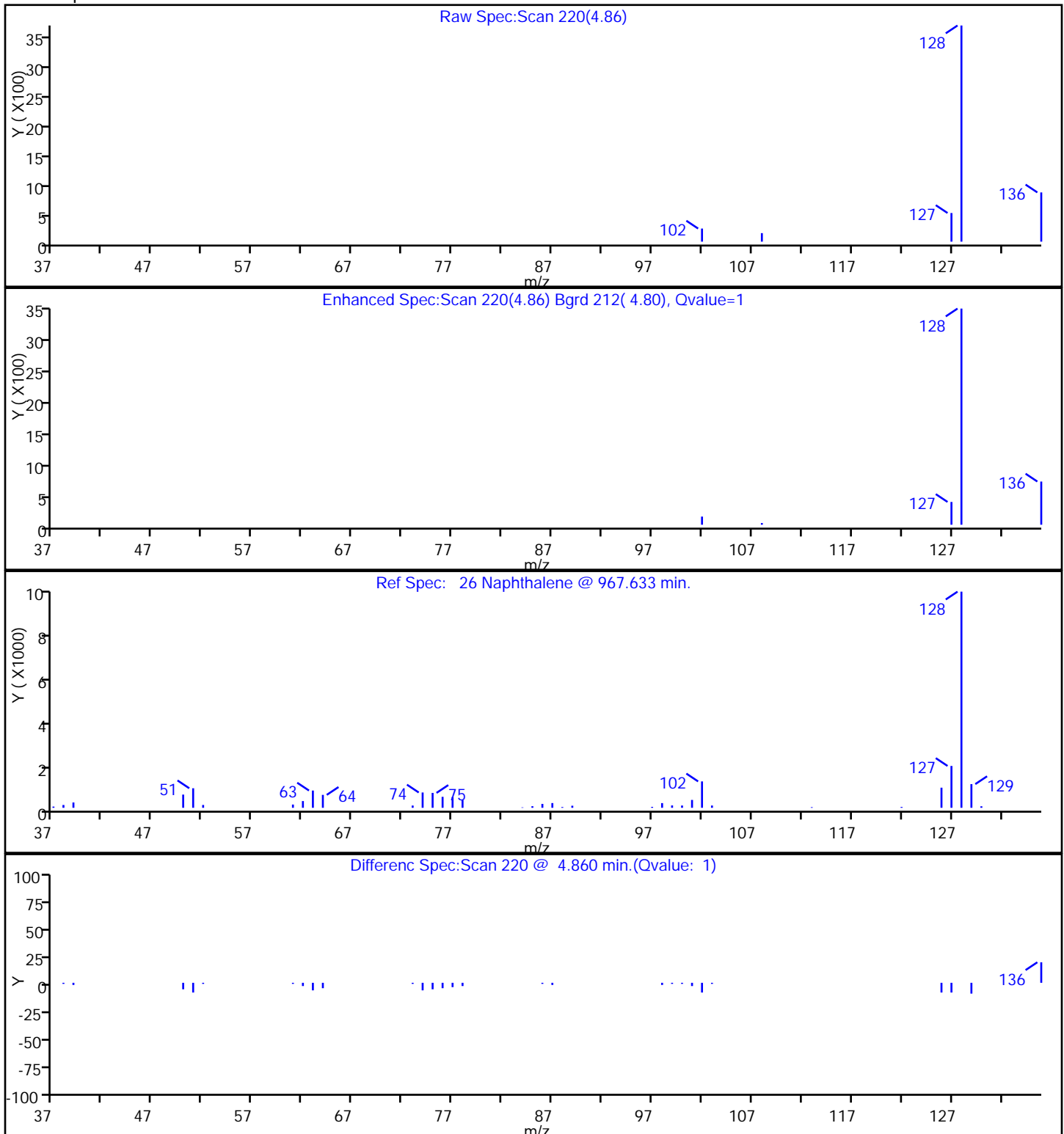
Review Flags

M - Manually Integrated

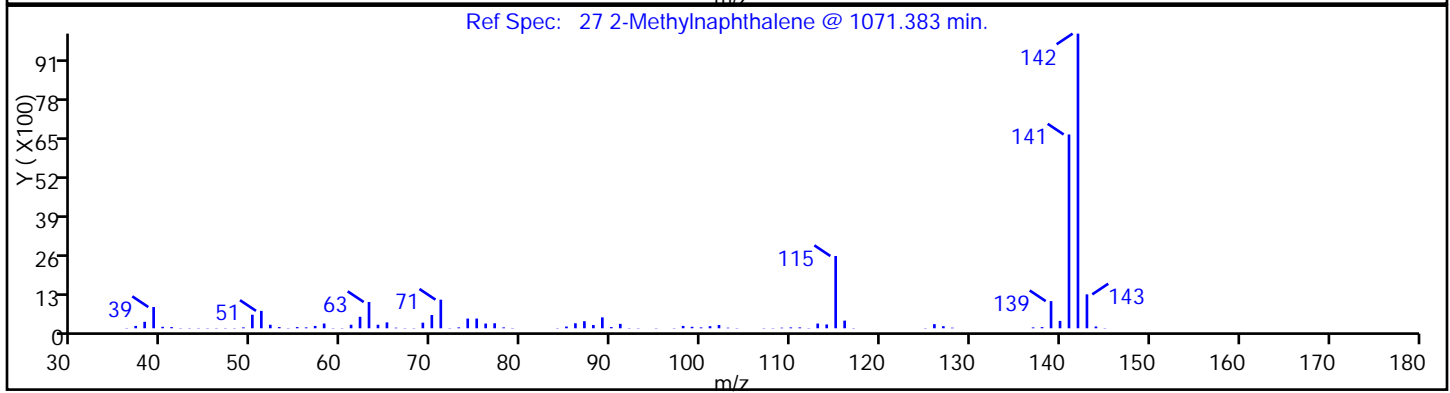
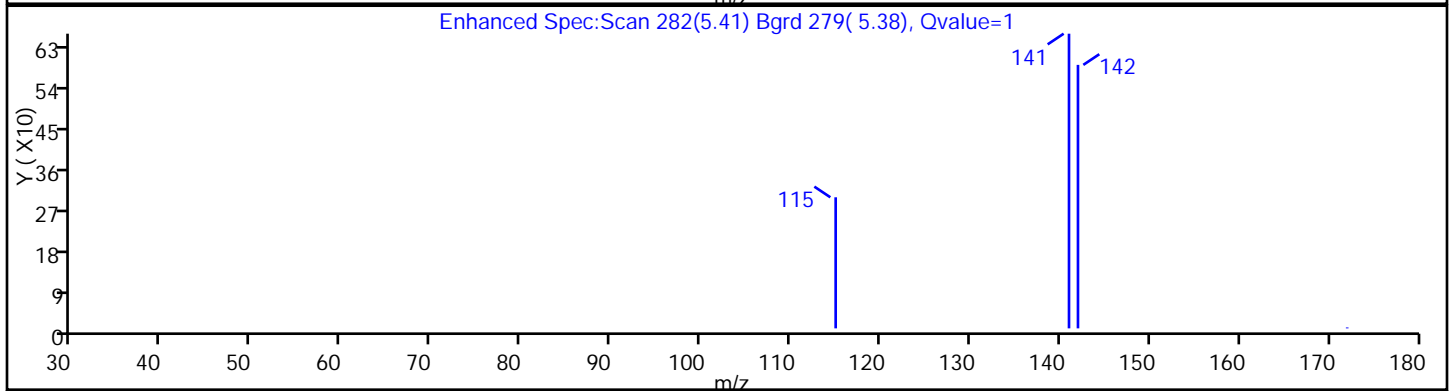
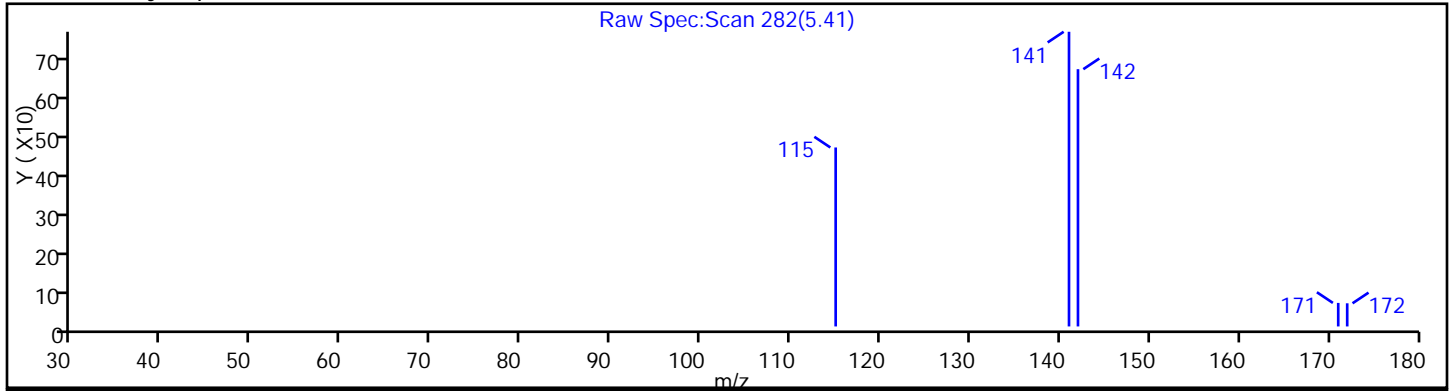
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



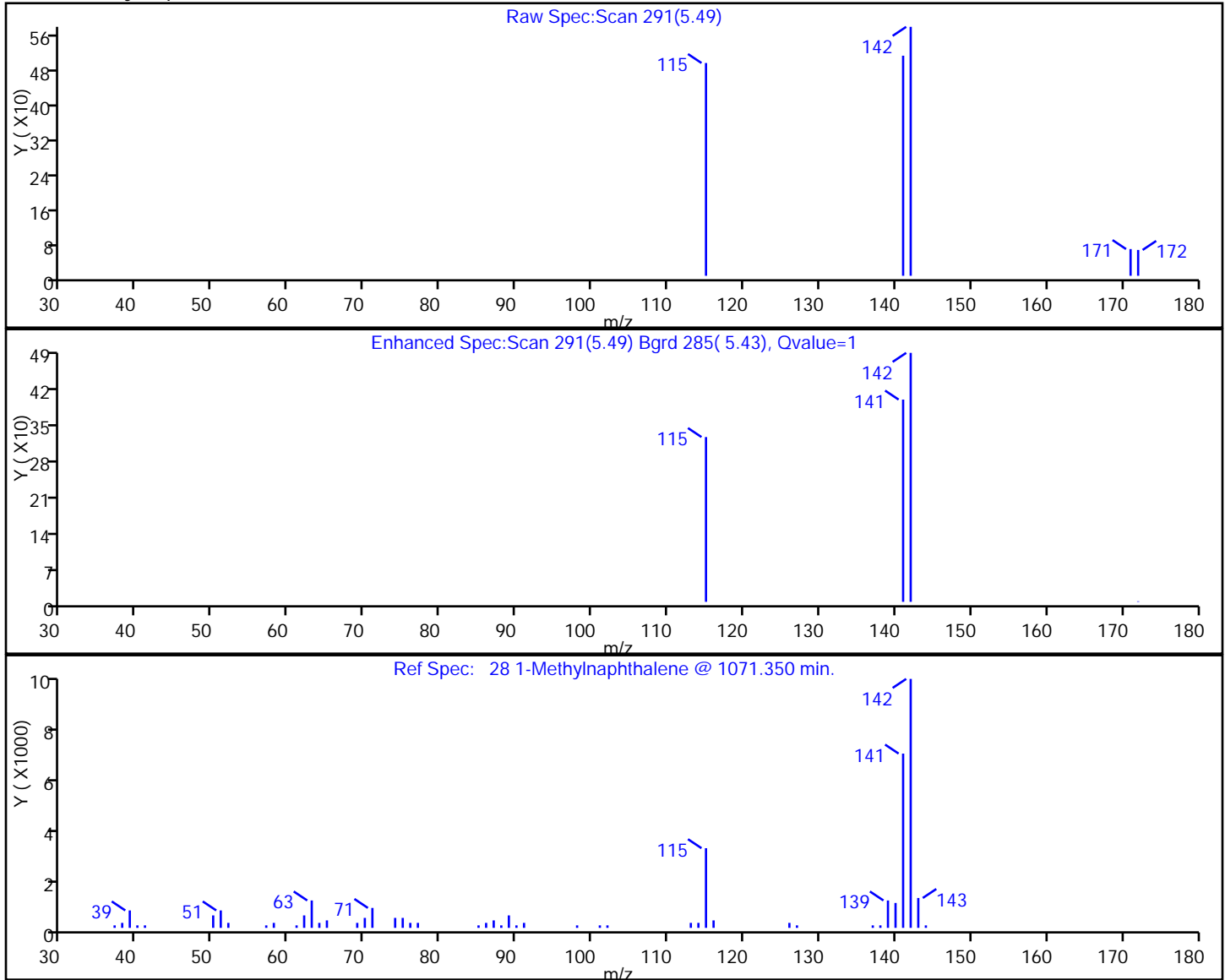
26 Naphthalene



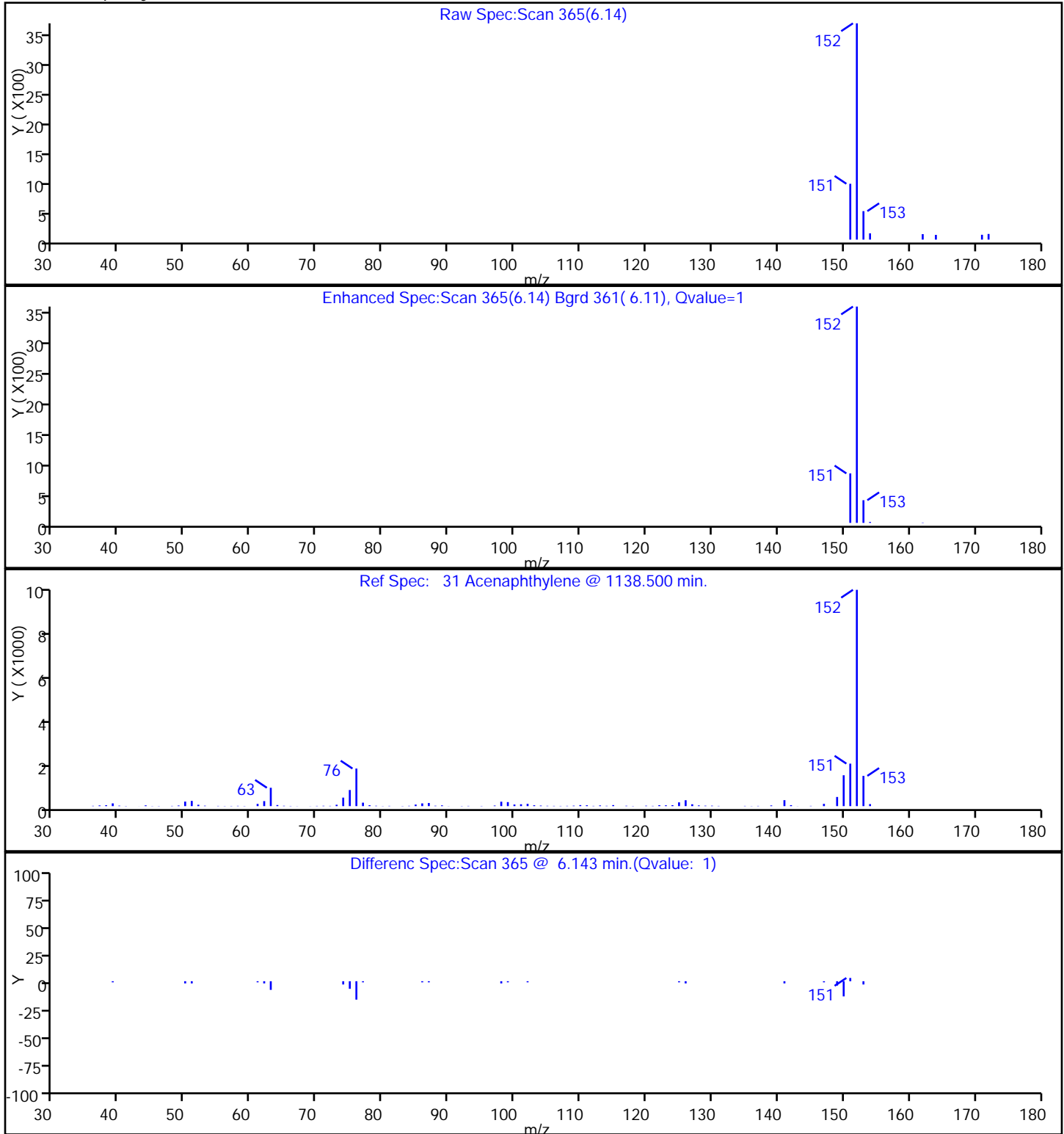
27 2-Methylnaphthalene



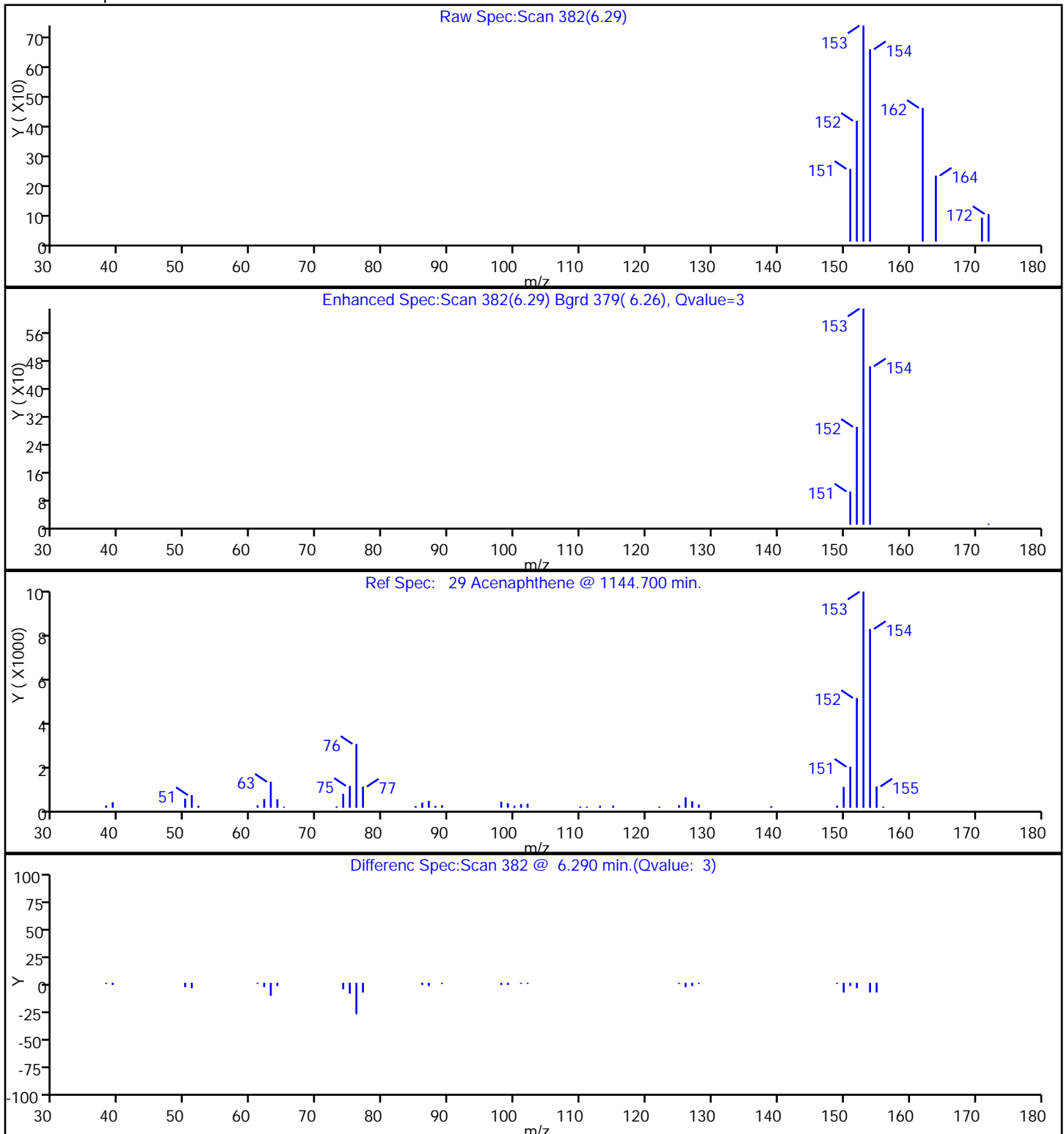
28 1-Methylnaphthalene



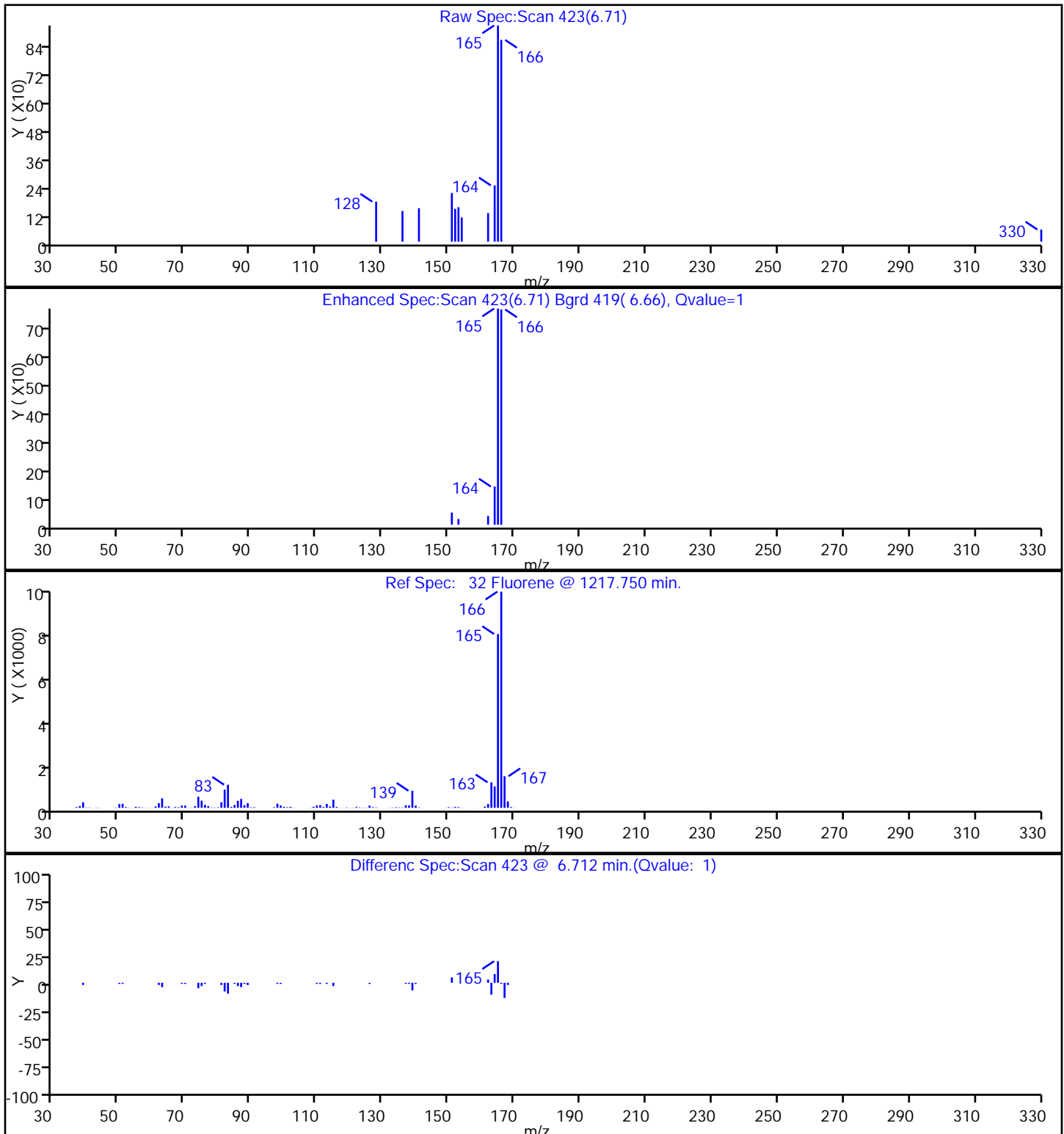
31 Acenaphthylene



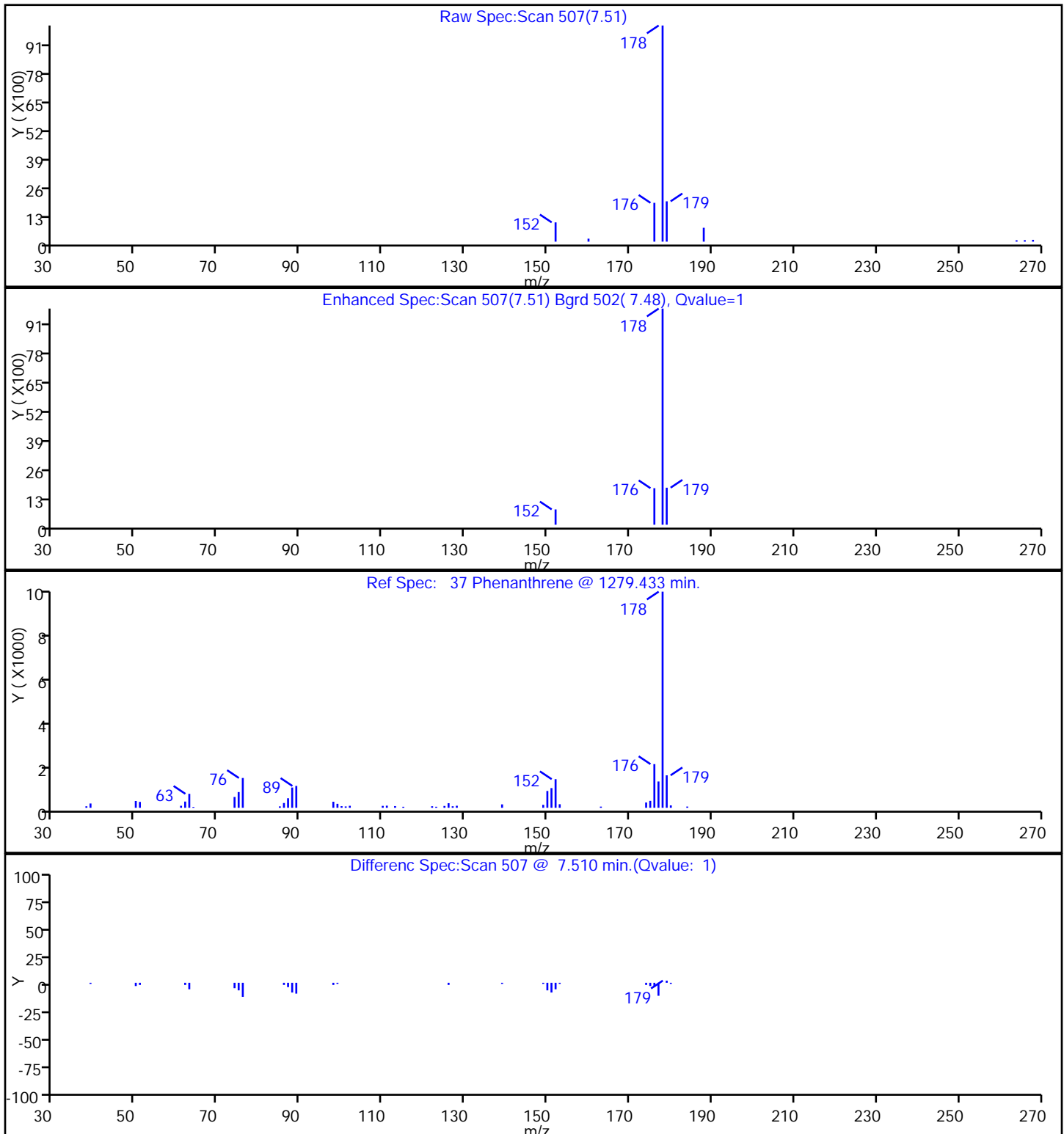
29 Acenaphthene



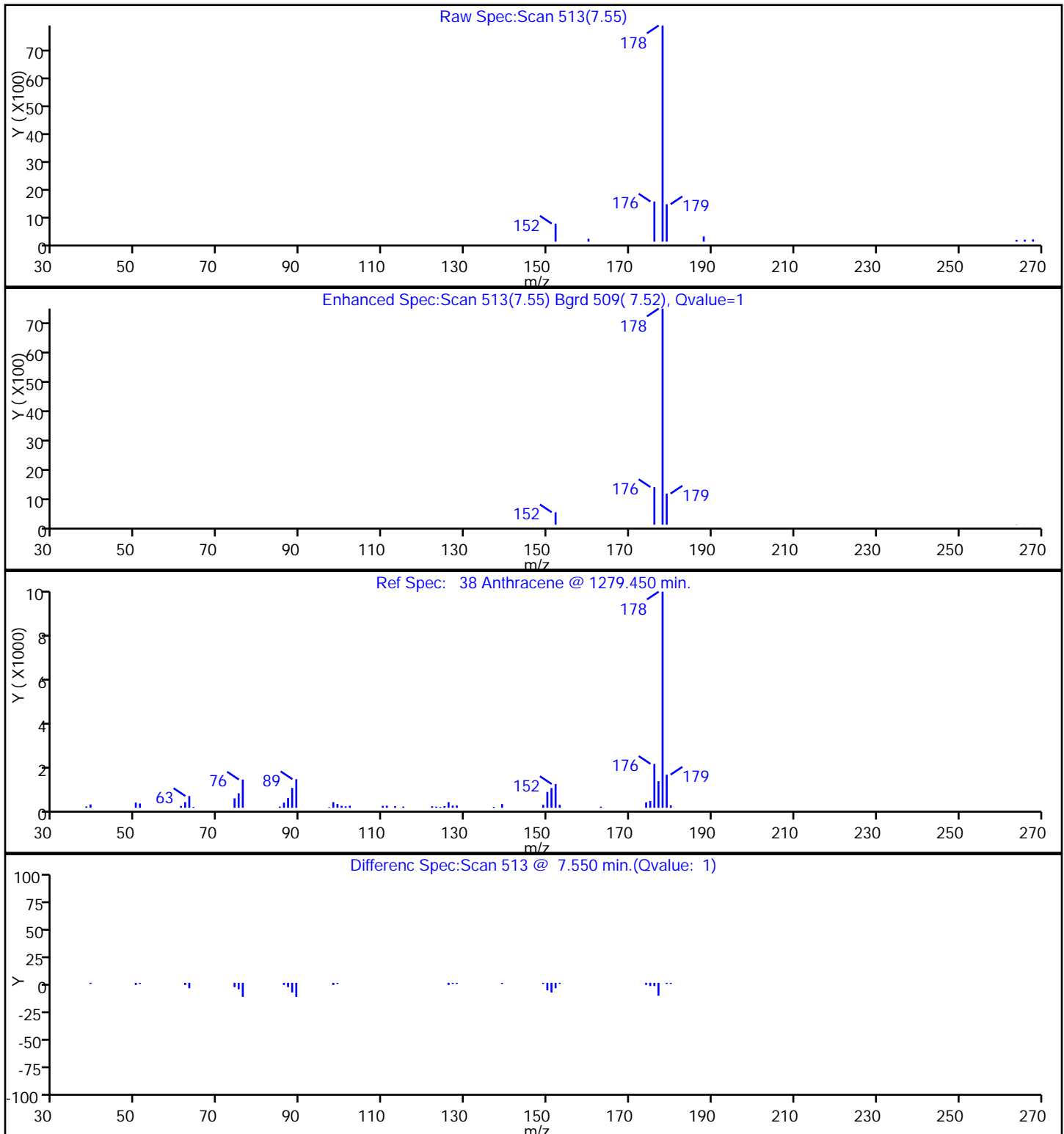
32 Fluorene



37 Phenanthrene



38 Anthracene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

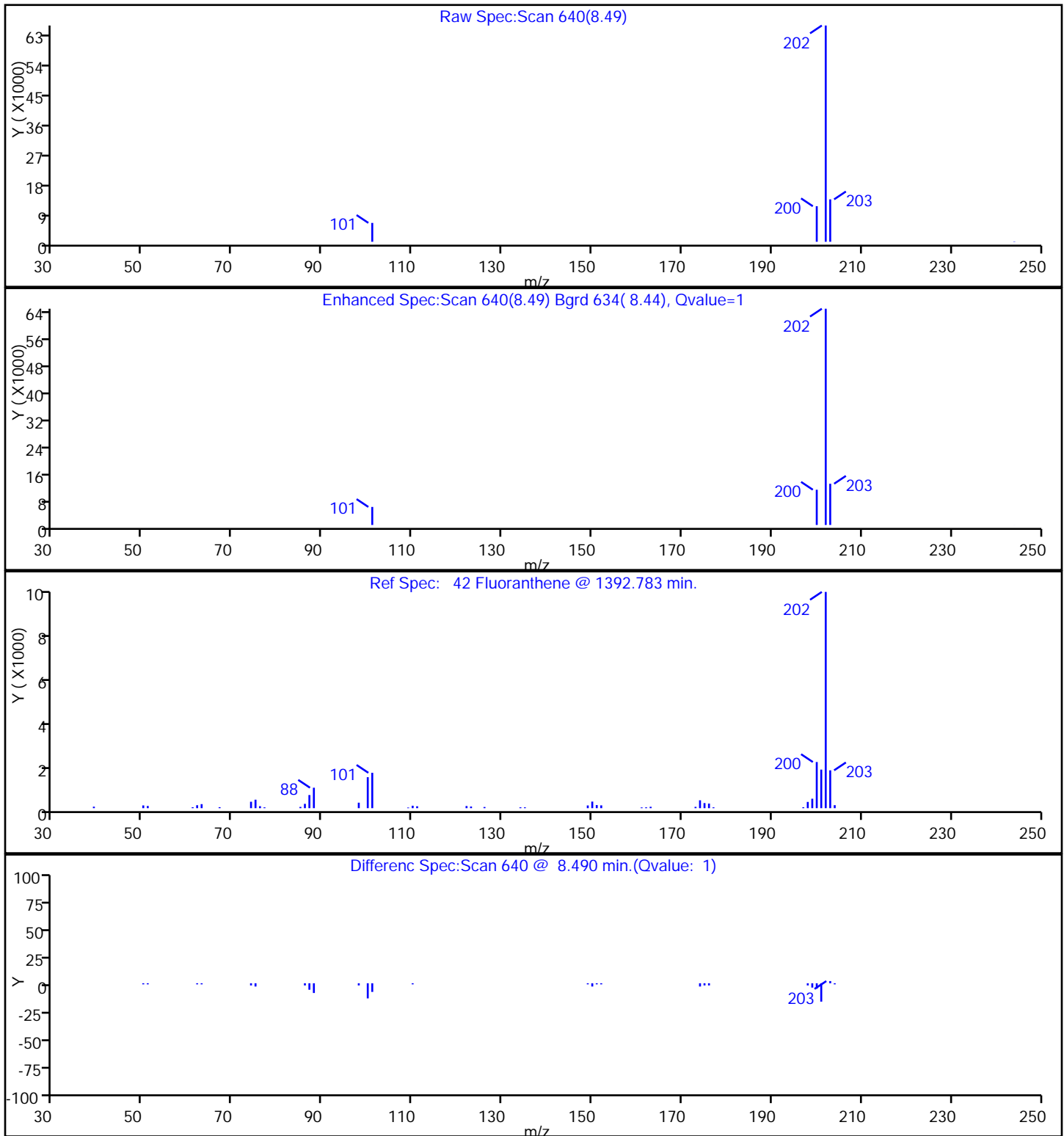
Lims Batch ID: 112072

Lims Sample ID: 10

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

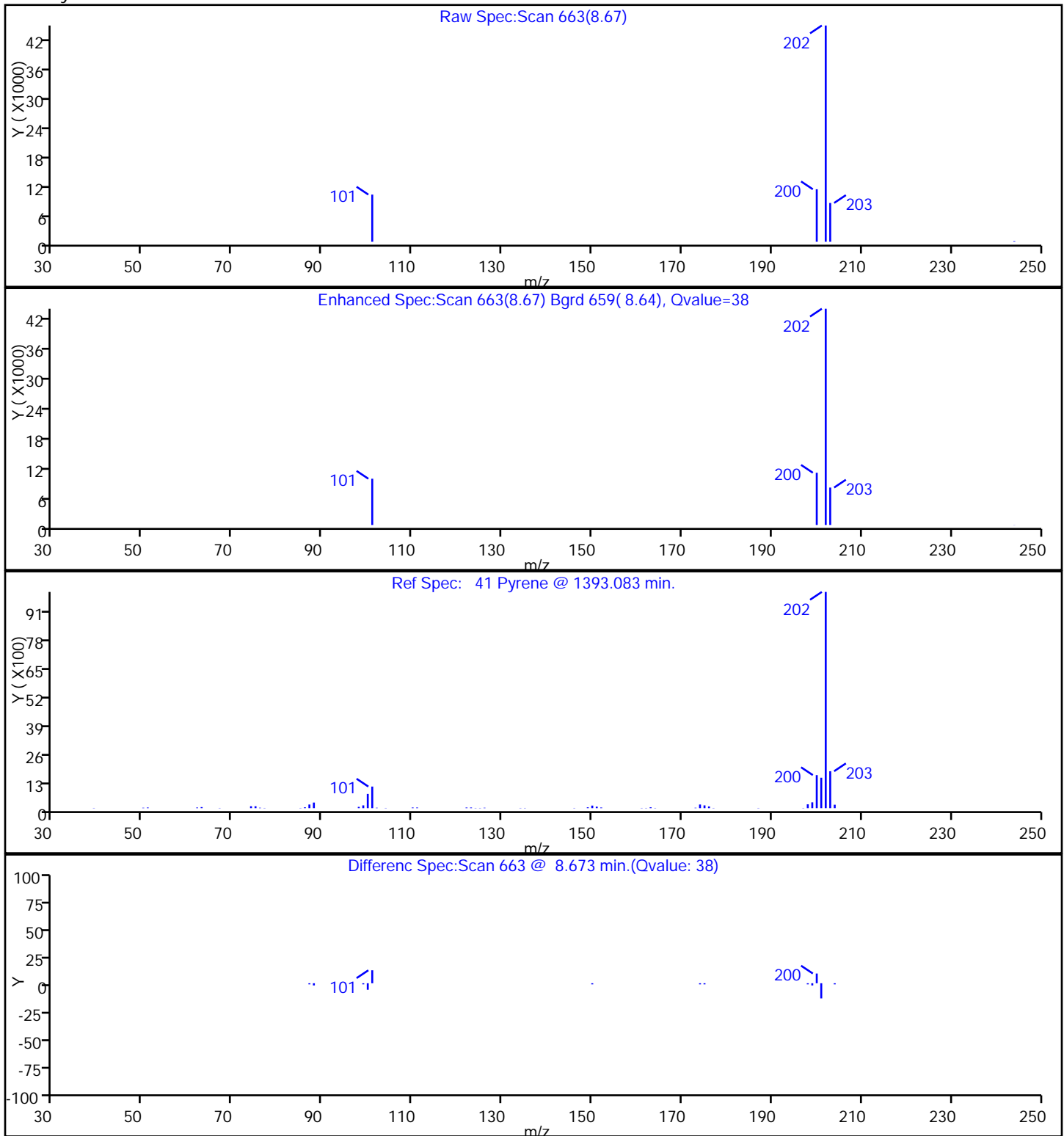
Lims Batch ID: 112072

Lims Sample ID: 10

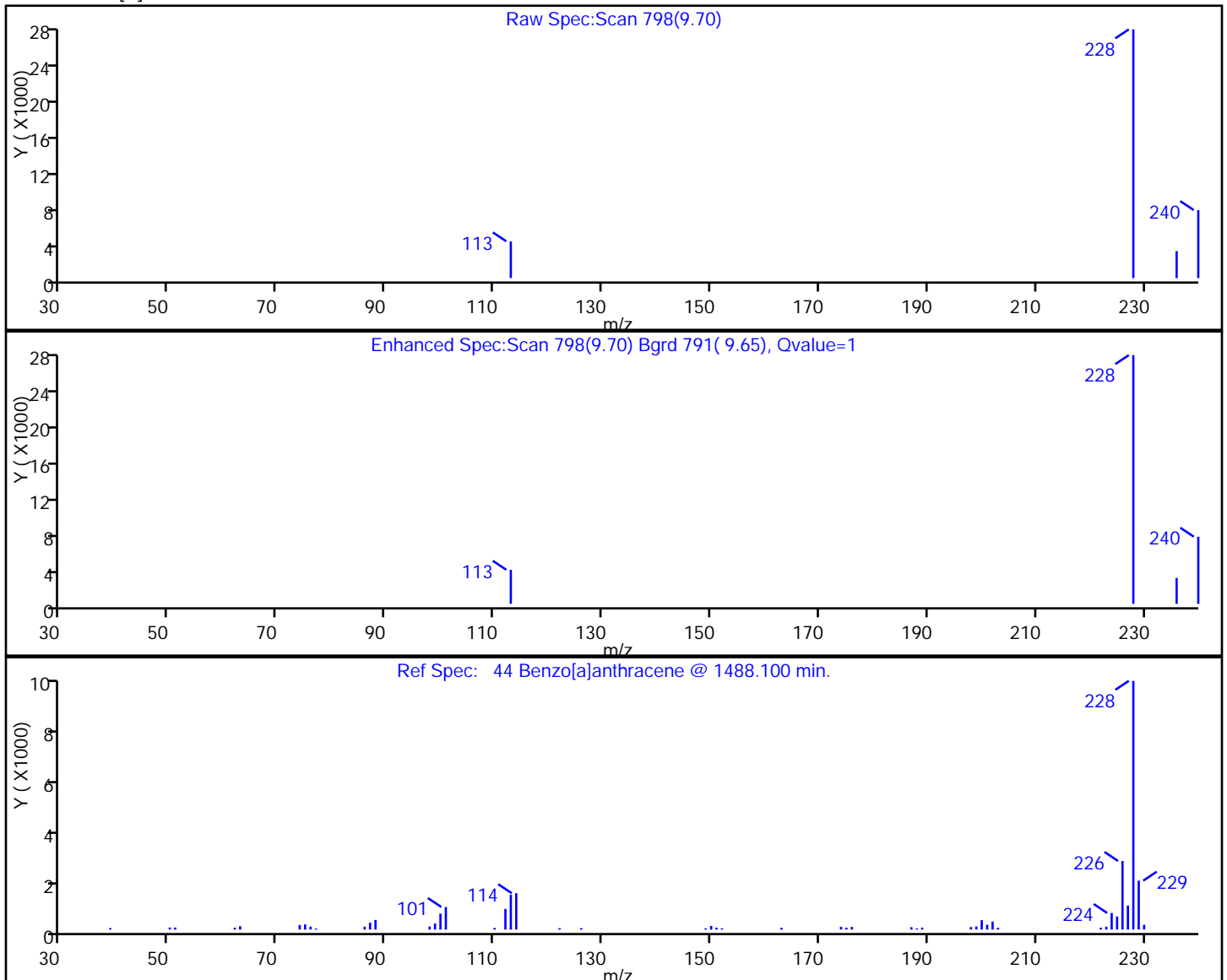
Operator ID: bat

Injection Vol: 1.00 ul

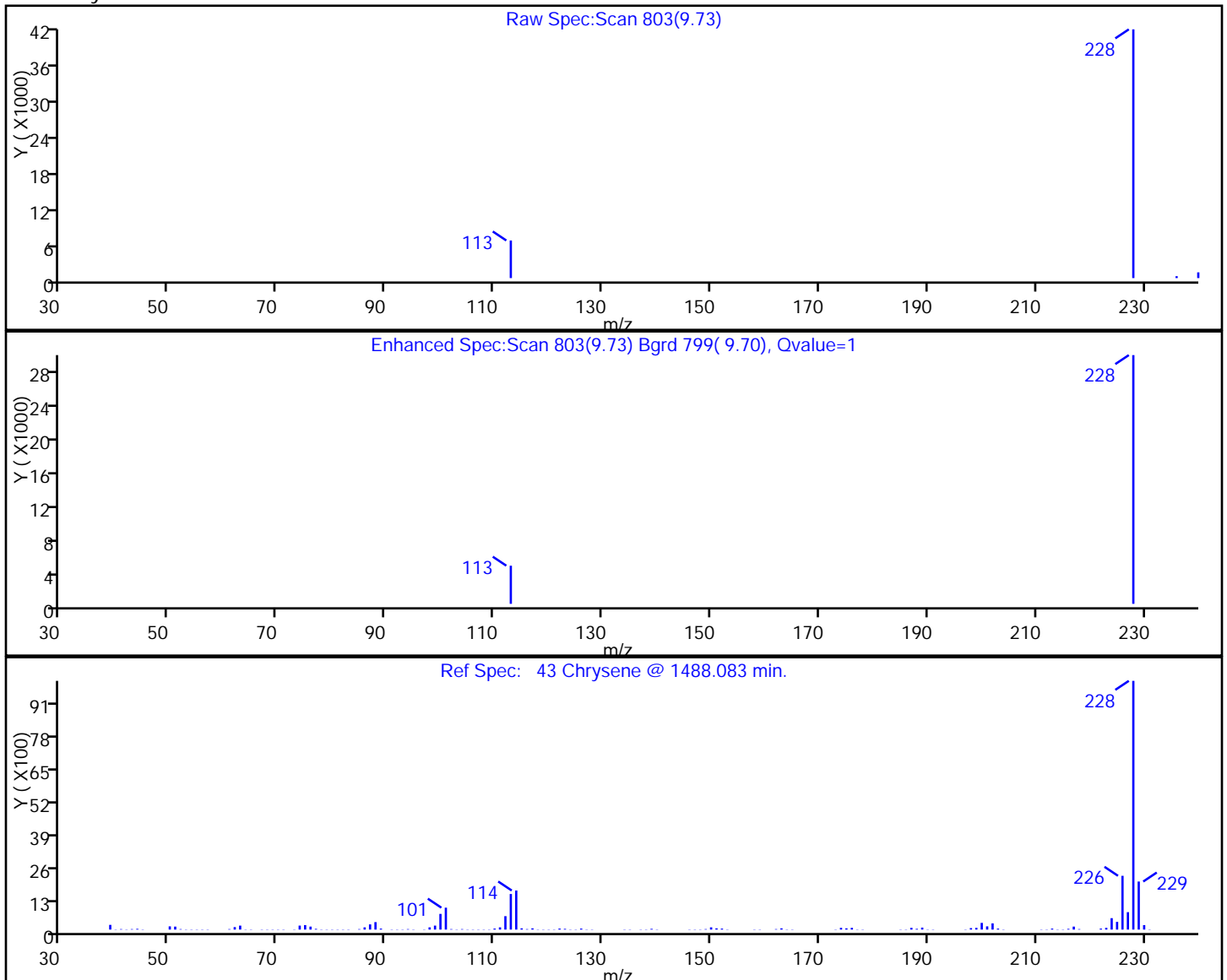
41 Pyrene



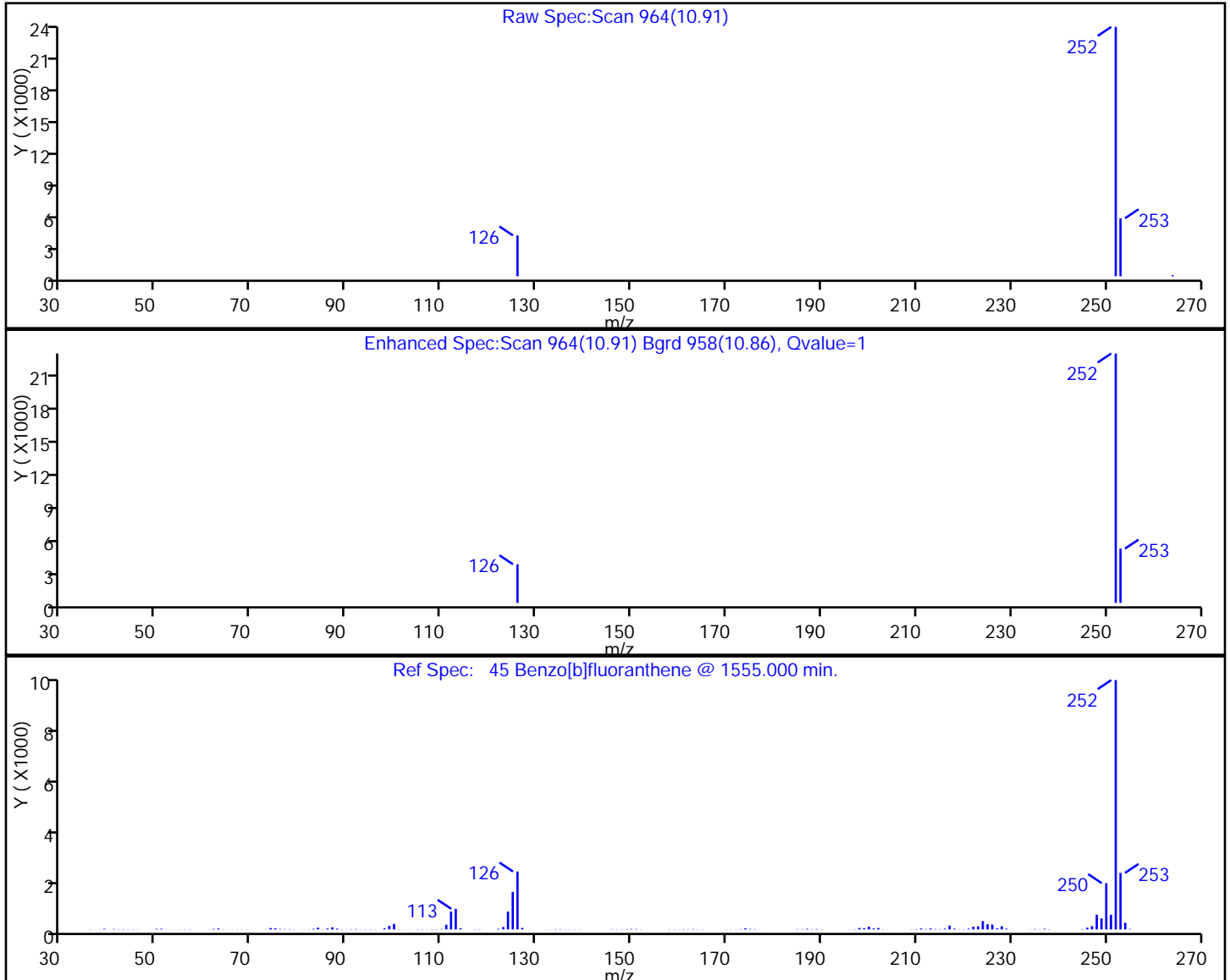
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

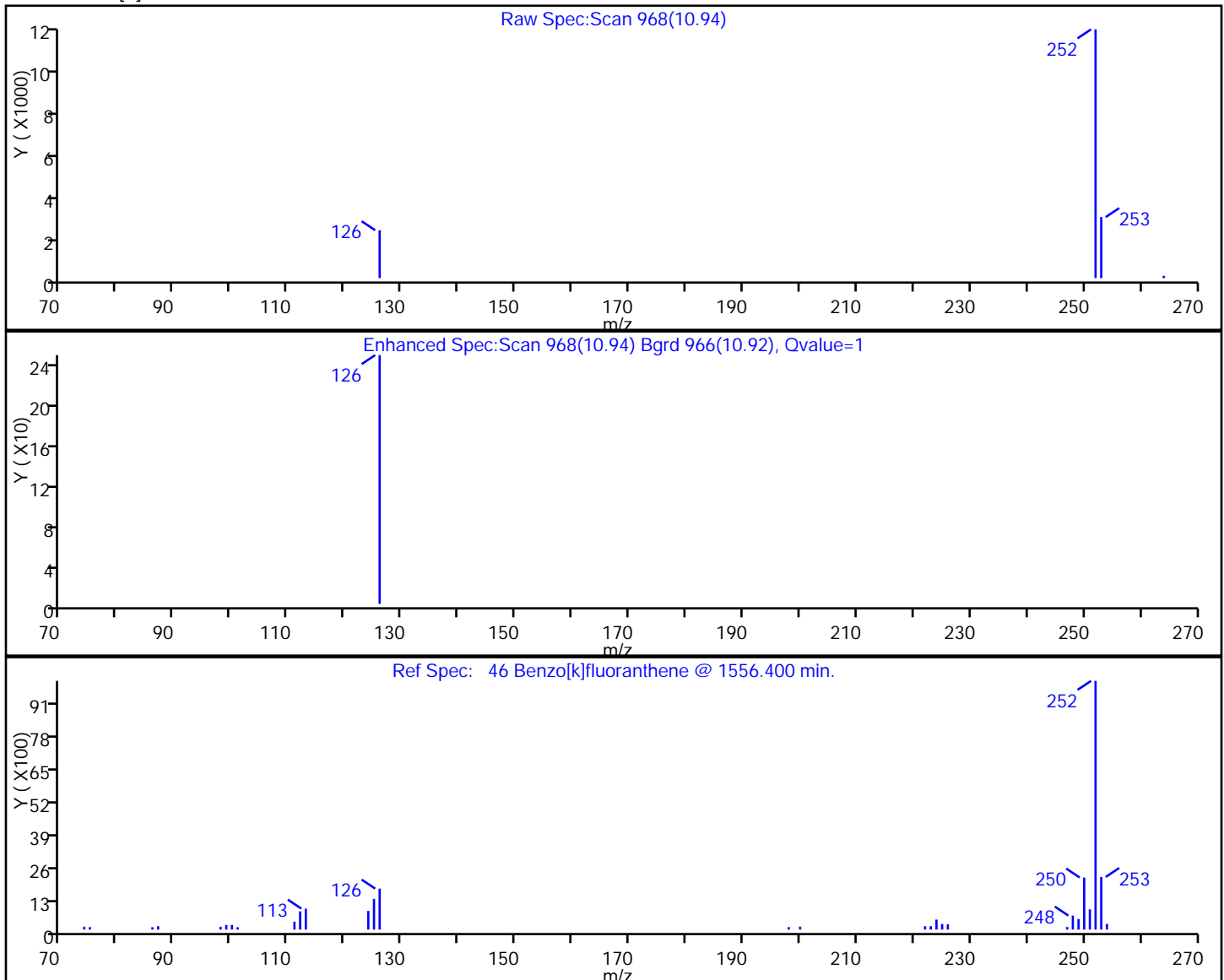
Lims Batch ID: 112072

Lims Sample ID: 10

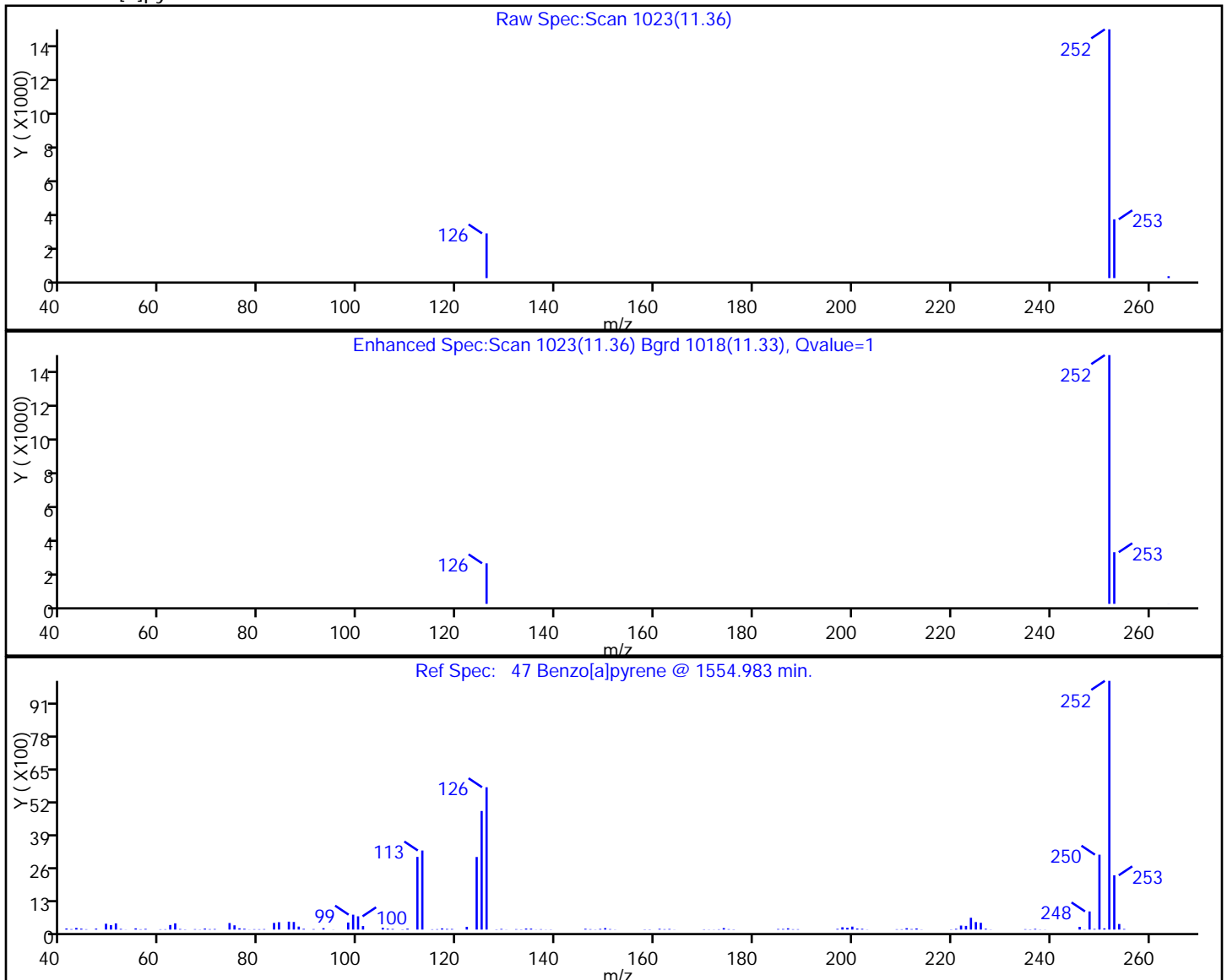
Operator ID: bat

Injection Vol: 1.00 ul

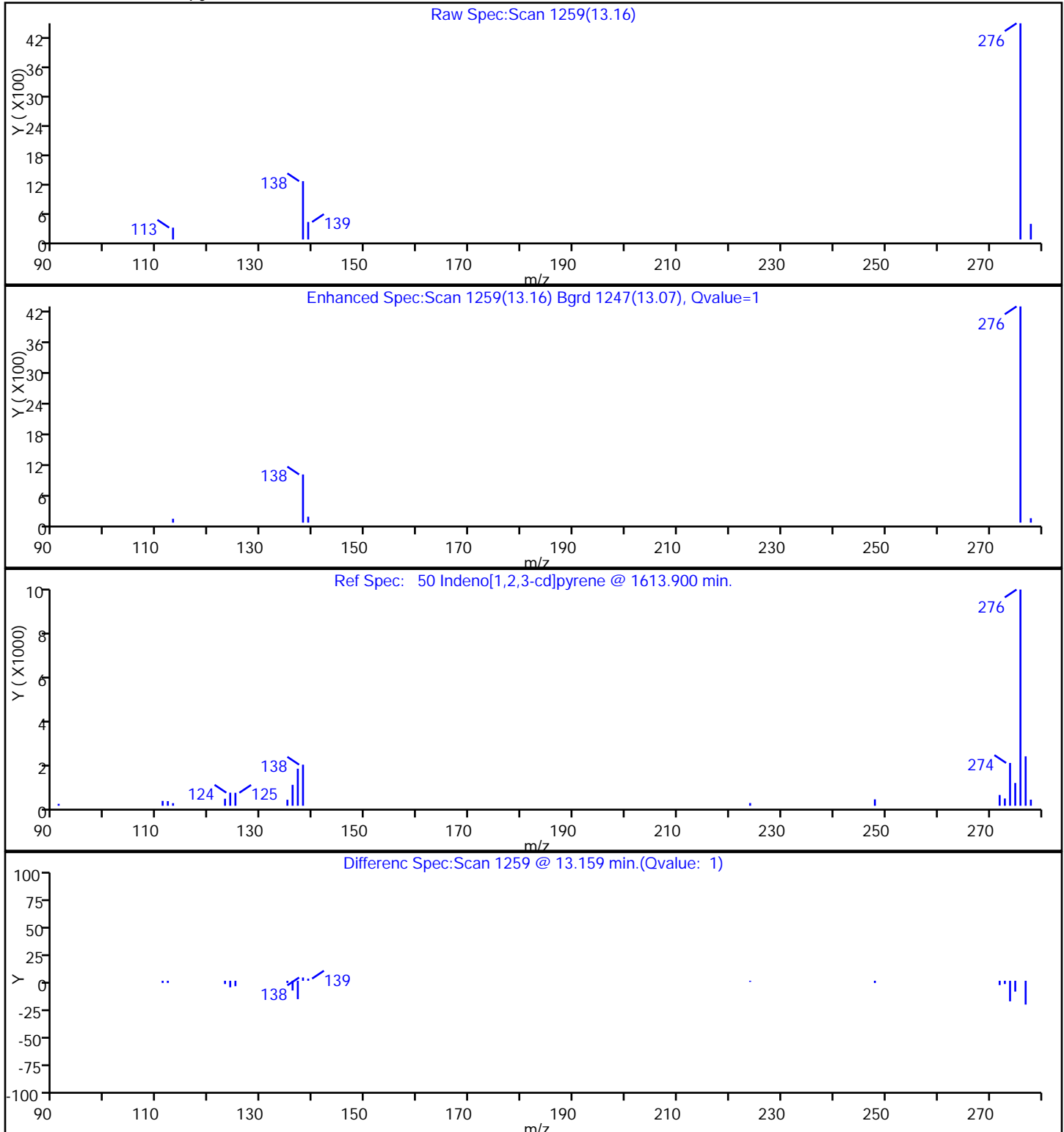
46 Benzo[k]fluoranthene



47 Benzo[a]pyrene



50 Indeno[1,2,3-cd]pyrene



Report Date: 25-May-2012 16:21:46

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D

Injection Date: 25-May-2012 14:22:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-UR-COMP-120508

Instrument ID: TAC023

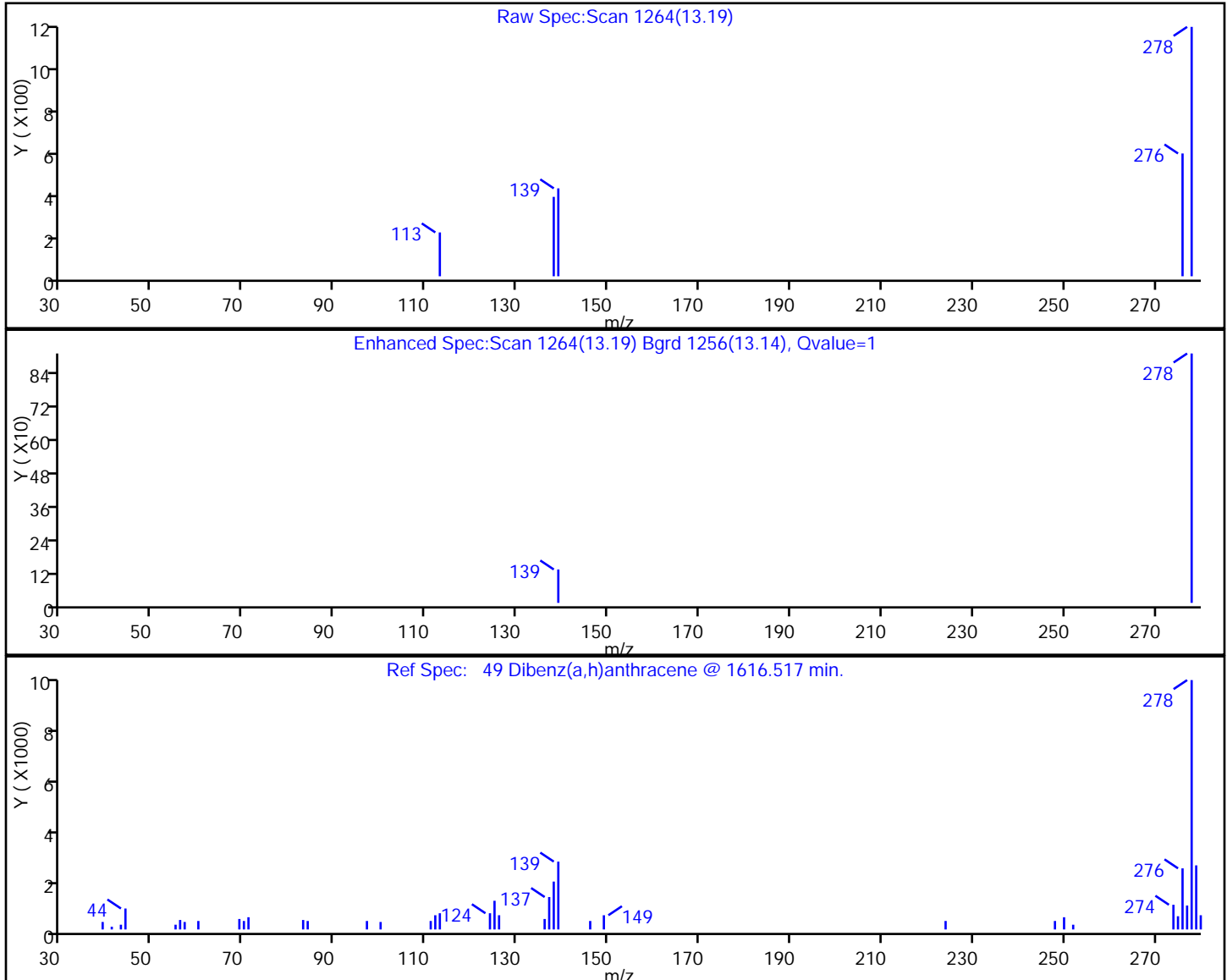
Lims Batch ID: 112072

Lims Sample ID: 10

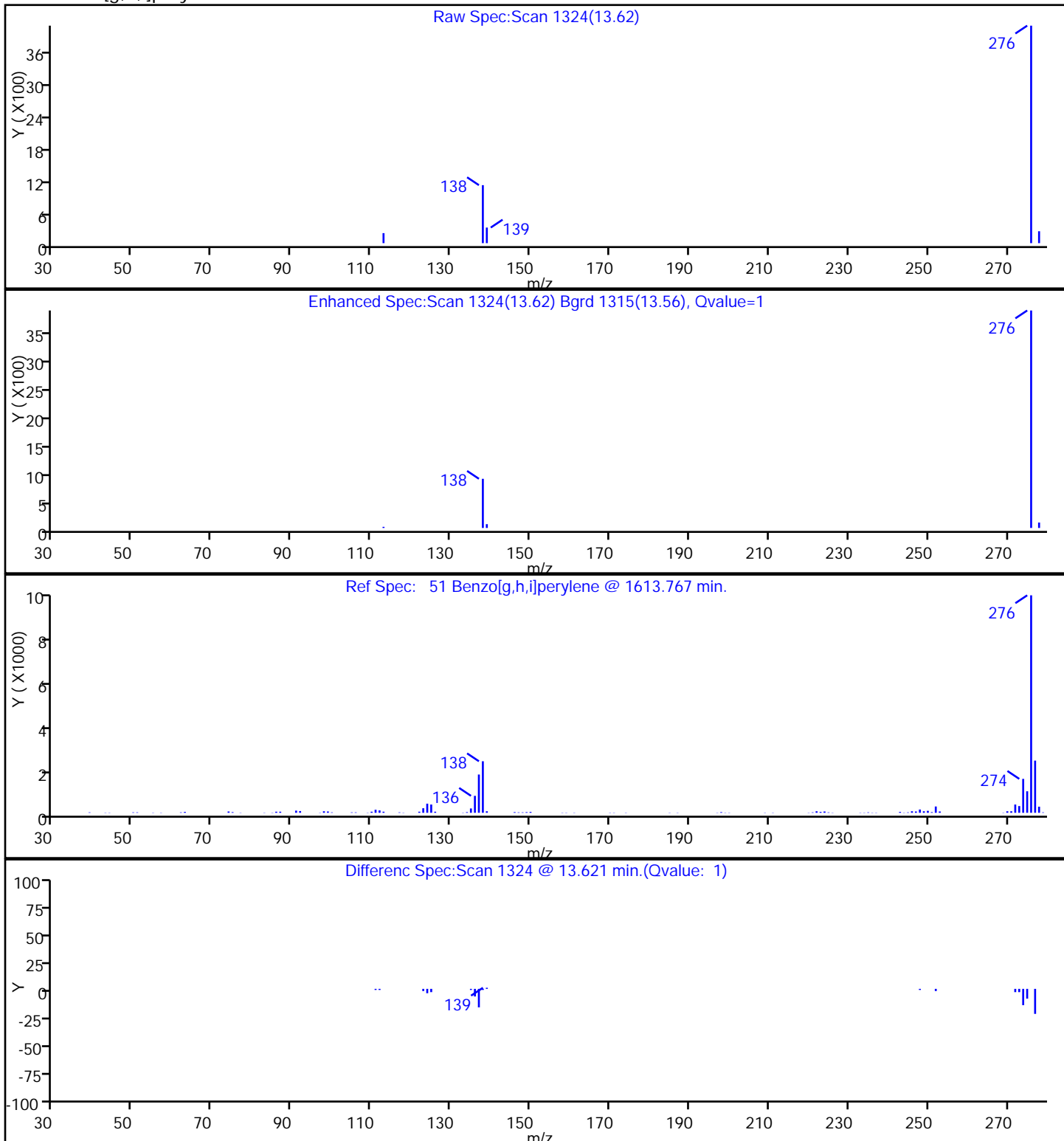
Operator ID: bat

Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene



51 Benzo[g,h,i]perylene

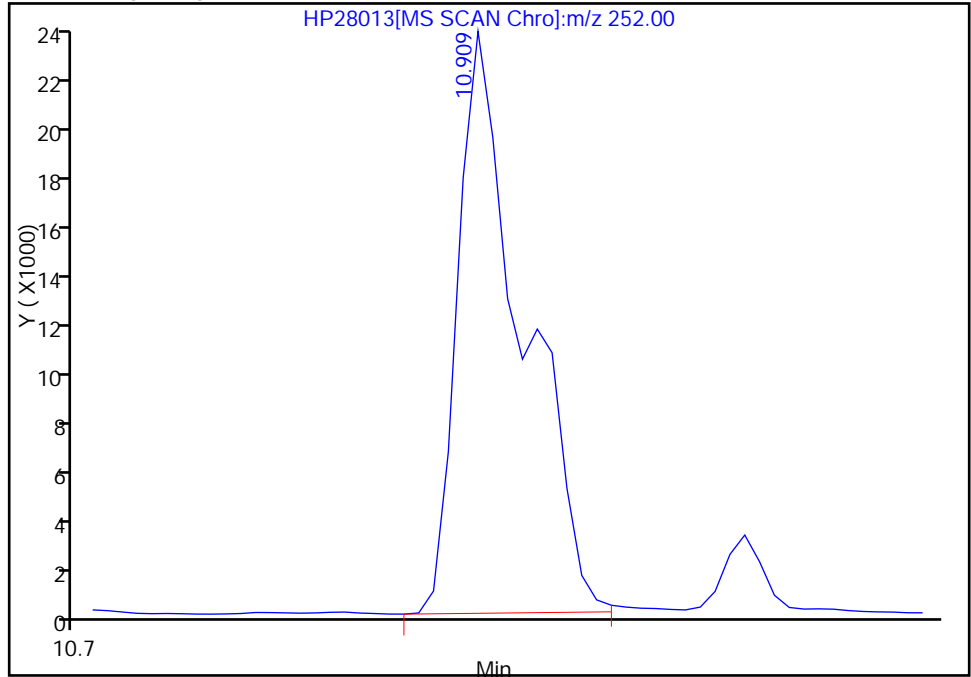


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28013.D
Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

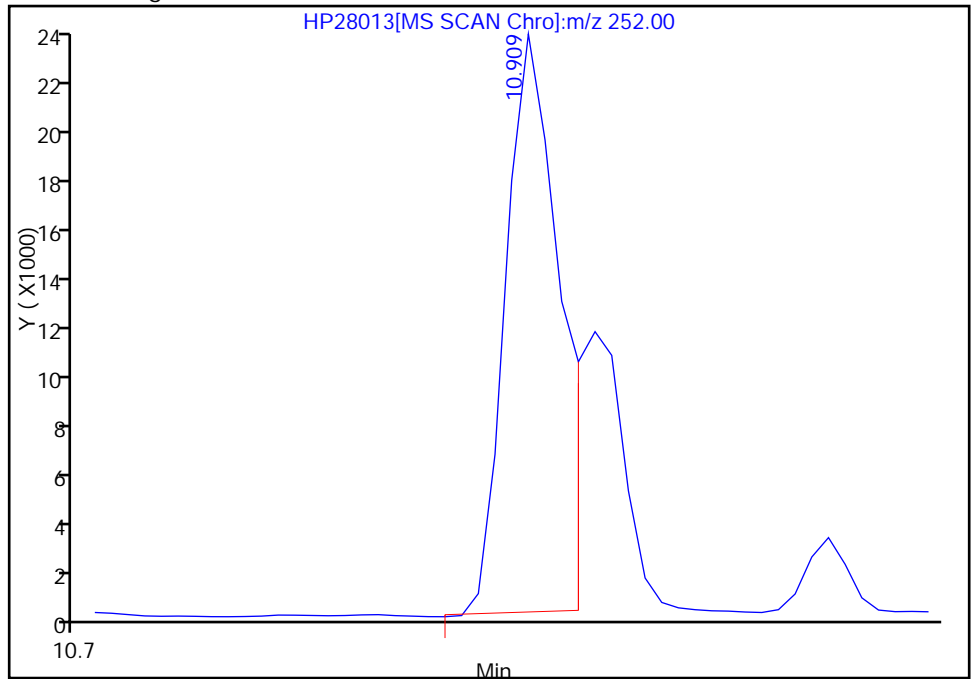
RT: 10.91
Response: 53641
Amount: 105.5386

Processing Integration Results



RT: 10.91
Response: 37824
Amount: 74.418657

Manual Integration Results



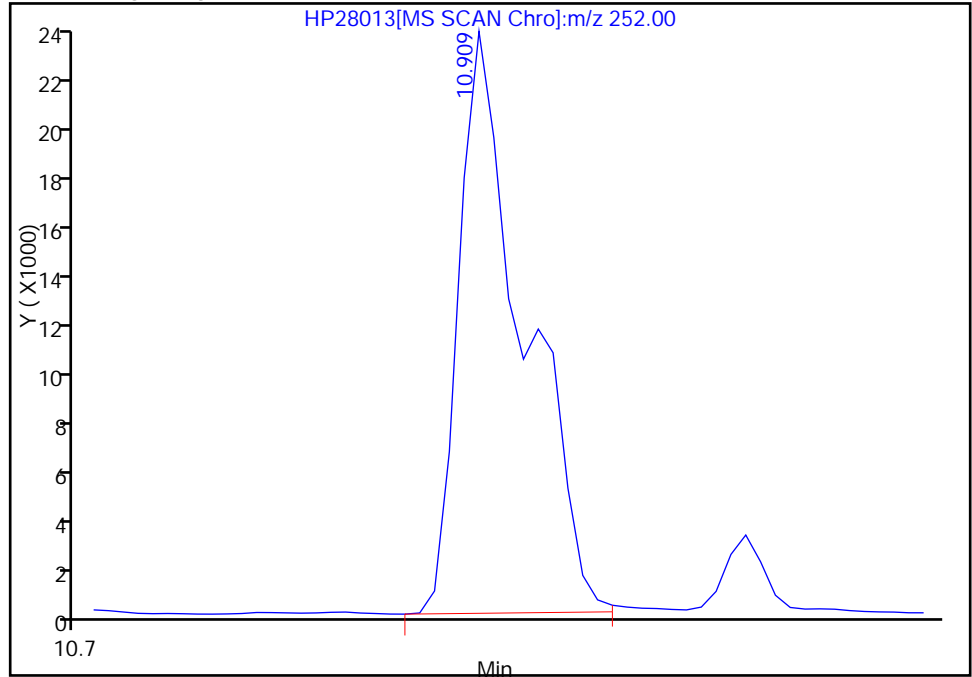
Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

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Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

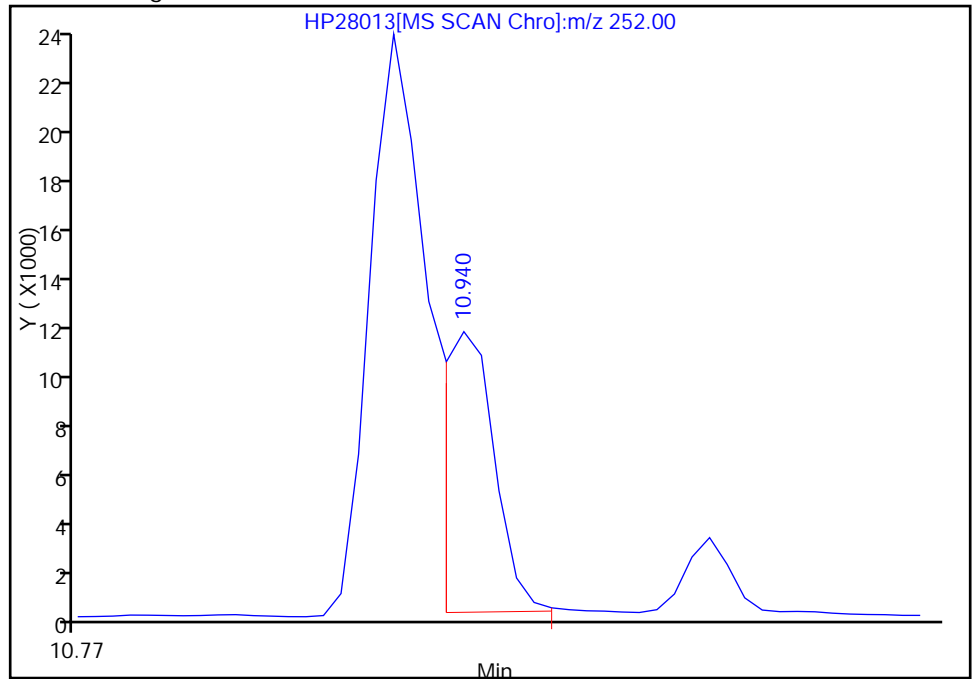
RT: 10.91
Response: 53641
Amount: 104.2029

Processing Integration Results



RT: 10.94
Response: 14969
Amount: 29.078759

Manual Integration Results



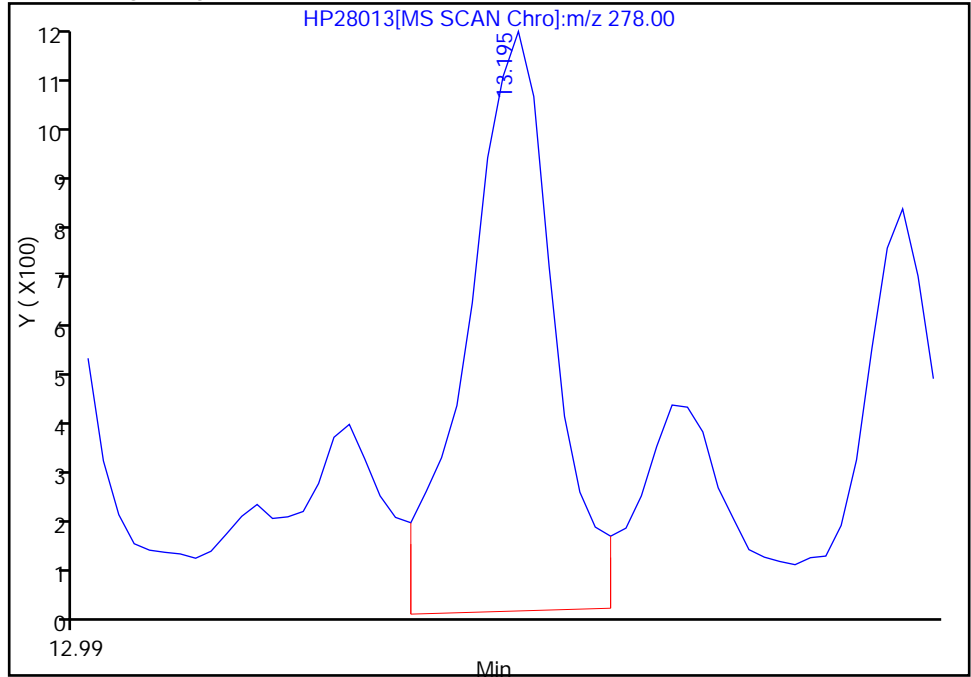
Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

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Injection Date: 25-May-2012 14:22:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-UR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

49 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 13.20

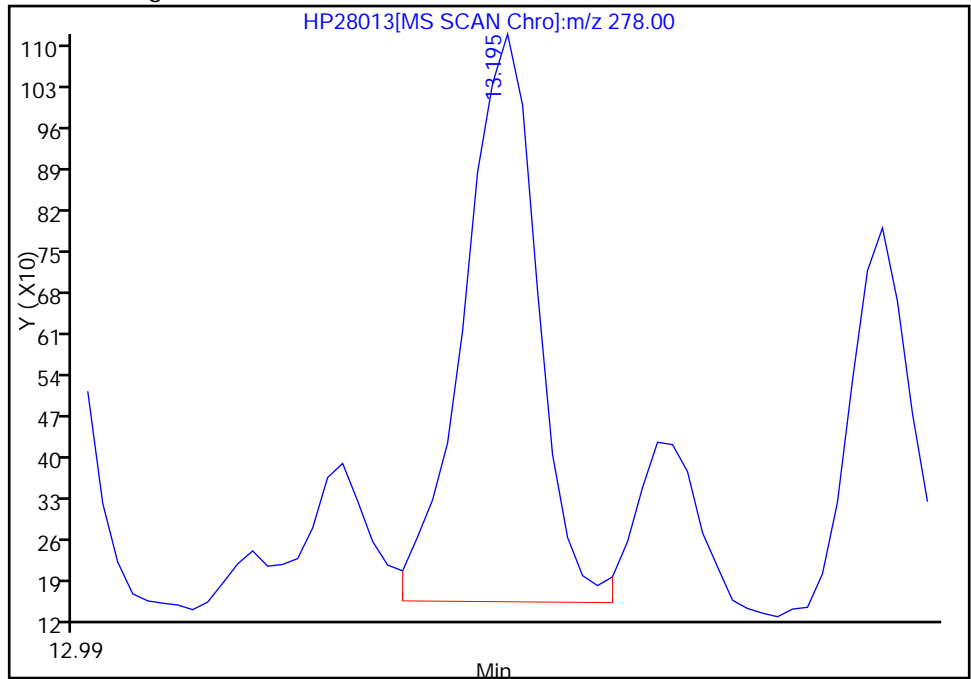
RT: 13.19
Response: 2926
Amount: 6.757841

Processing Integration Results



RT: 13.19
Response: 2321
Amount: 5.360543

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:21:46
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-DR-COMP-120508 Lab Sample ID: 580-32844-10
 Matrix: Solid Lab File ID: HP28014.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 14:32
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.0203(g) Date Analyzed: 05/25/2012 14:44
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 49.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.99	0.40
91-57-6	2-Methylnaphthalene	ND		0.99	0.40
90-12-0	1-Methylnaphthalene	ND		0.99	0.30
208-96-8	Acenaphthylene	ND		0.99	0.30
83-32-9	Acenaphthene	ND		0.99	0.30
86-73-7	Fluorene	ND		0.99	0.30
85-01-8	Phenanthrene	0.76	J	0.99	0.30
120-12-7	Anthracene	0.36	J	0.99	0.30
206-44-0	Fluoranthene	1.7		0.99	0.30
129-00-0	Pyrene	1.6		0.99	0.30
56-55-3	Benzo[a]anthracene	0.85	J	0.99	0.30
218-01-9	Chrysene	1.7		0.99	0.30
205-99-2	Benzo[b]fluoranthene	1.6		0.99	0.30
207-08-9	Benzo[k]fluoranthene	0.59	J	0.99	0.30
50-32-8	Benzo[a]pyrene	0.98	J	0.99	0.30
193-39-5	Indeno[1,2,3-cd]pyrene	0.69	J	0.99	0.30
53-70-3	Dibenz(a,h)anthracene	ND		0.99	0.30
191-24-2	Benzo[g,h,i]perylene	0.55	J	0.99	0.30

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	65		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
 Lims ID: 580-32844-C-10-A Client ID: JW-DR-COMP-120508
 Inject. Date: 25-May-2012 14:44:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-10-a
 Misc. Info.: 580-0023449-011 =580-0023449-011
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 112072 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:22:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	15808	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	41769	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	22847	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	35478	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	38828	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	32359	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	102100	742.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	201055	584.0	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	251024	653.8	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	184	0.6680	
31 Acenaphthylene	152	6.151	6.143	0.008	1	537	1.26	
32 Fluorene	166	6.712	6.712	0.0	1	342	1.15	
37 Phenanthrene	178	7.510	7.510	0.0	1	1702	3.83	
38 Anthracene	178	7.550	7.550	0.0	1	799	1.82	
42 Fluoranthene	202	8.490	8.490	0.0	1	4189	8.58	
41 Pyrene	202	8.680	8.680	0.0	41	3994	7.86	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	1874	4.30	
43 Chrysene	228	9.729	9.729	0.0	1	3919	8.66	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	3664	8.09	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	1372	2.99	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	1993	4.93	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	1265	3.45	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	1107	2.76	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

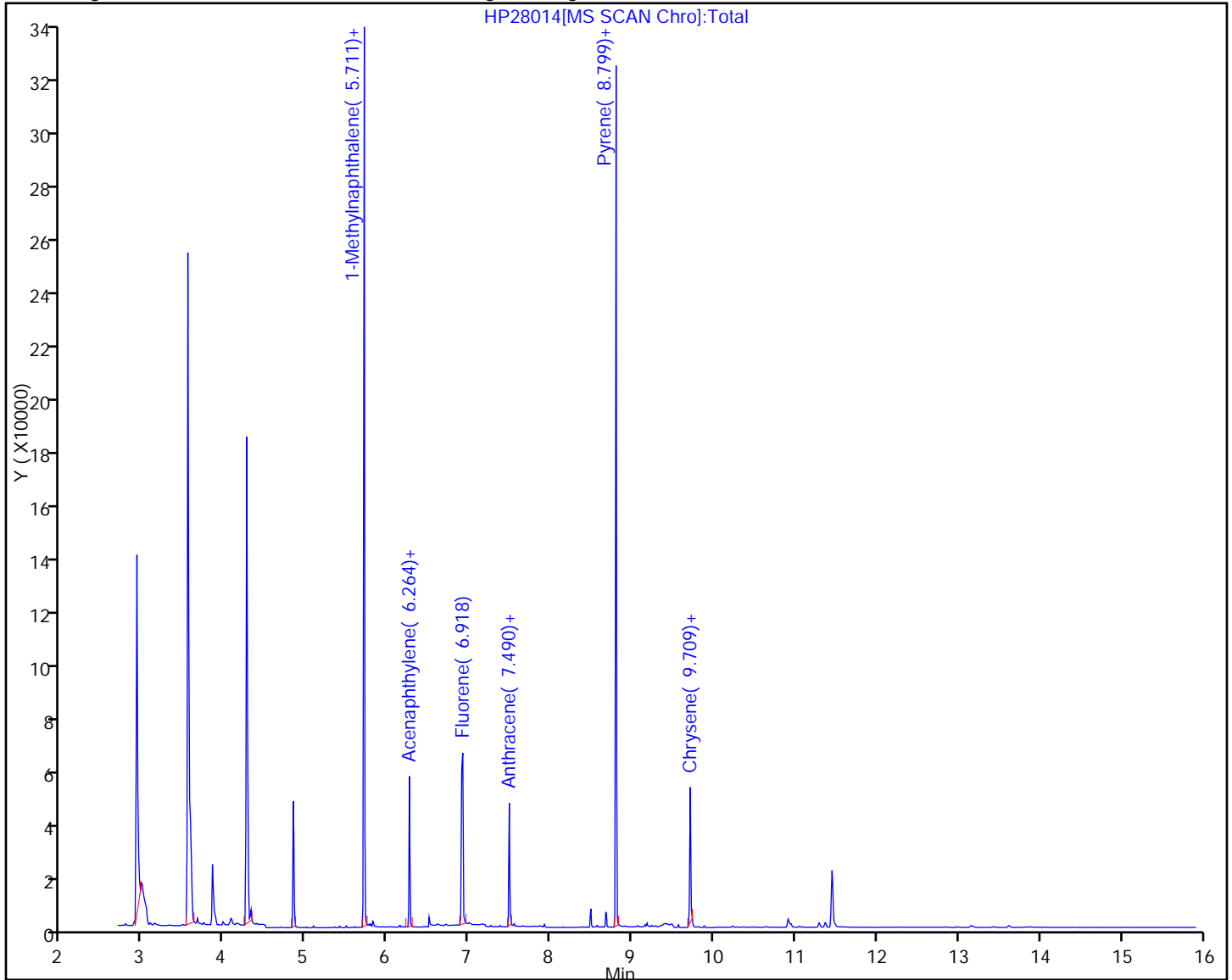
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Lims Sample ID: 11

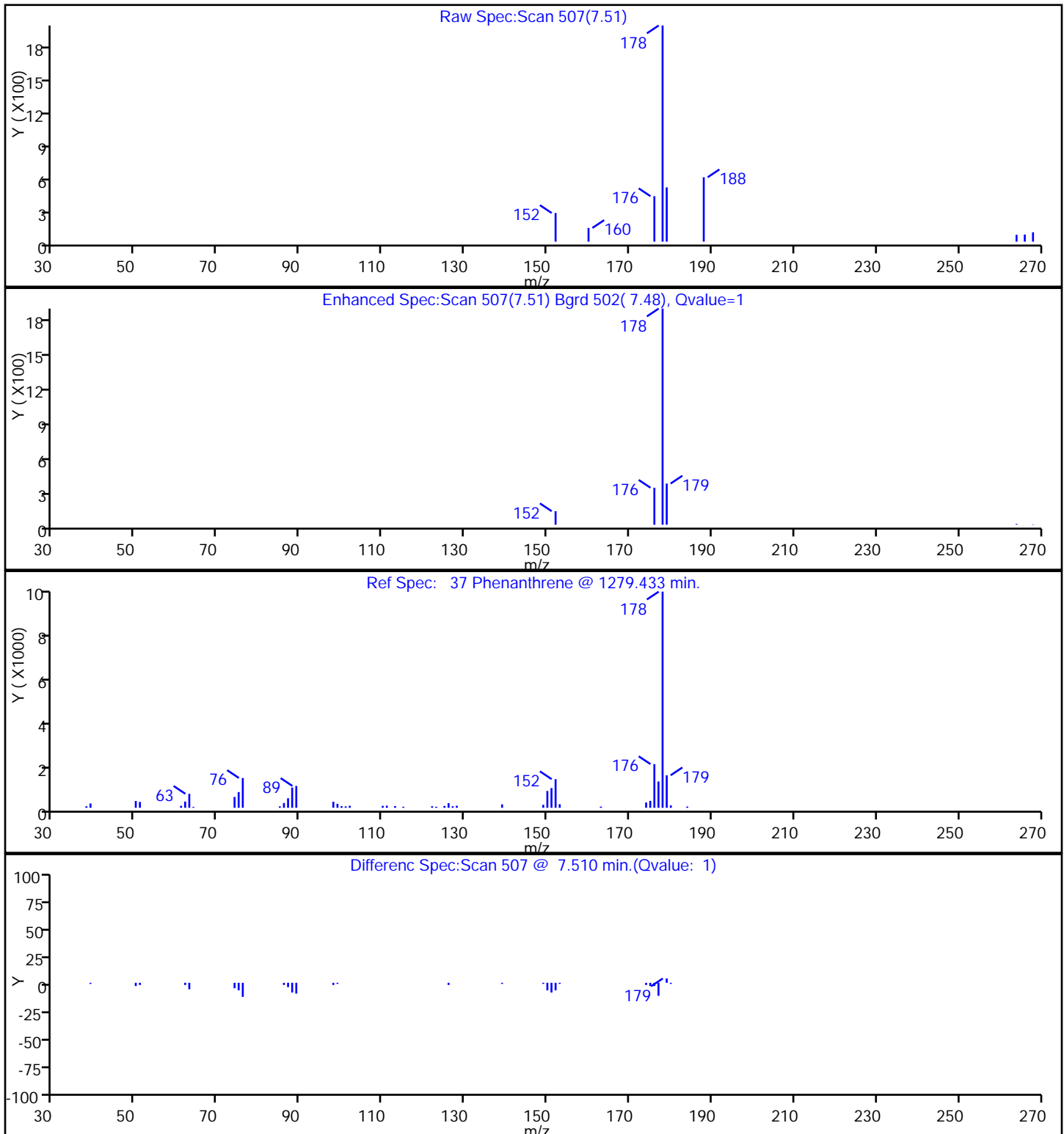
Operator ID: bat

Injection Vol: 1.00 ul

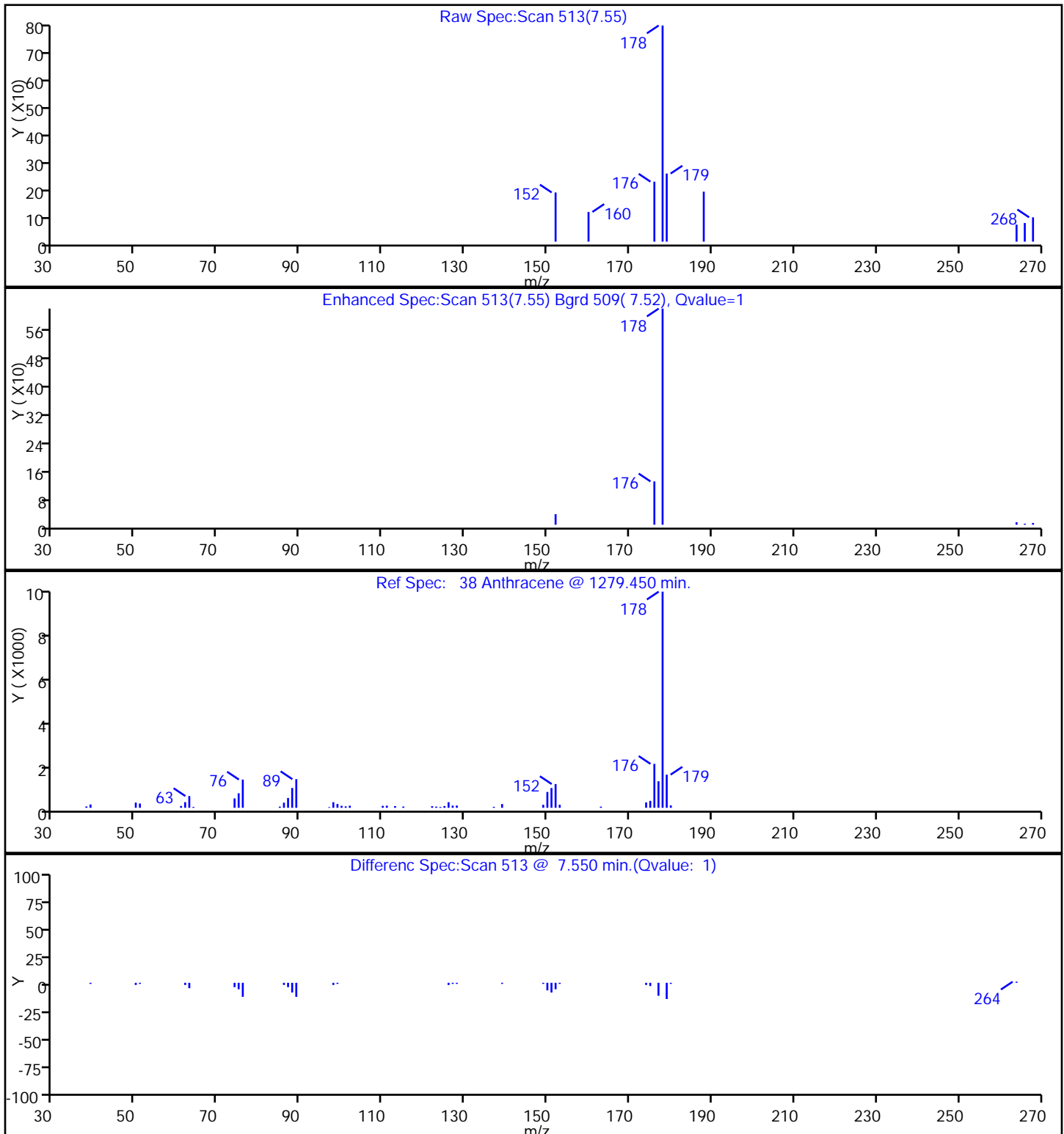
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



37 Phenanthrene



38 Anthracene



Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

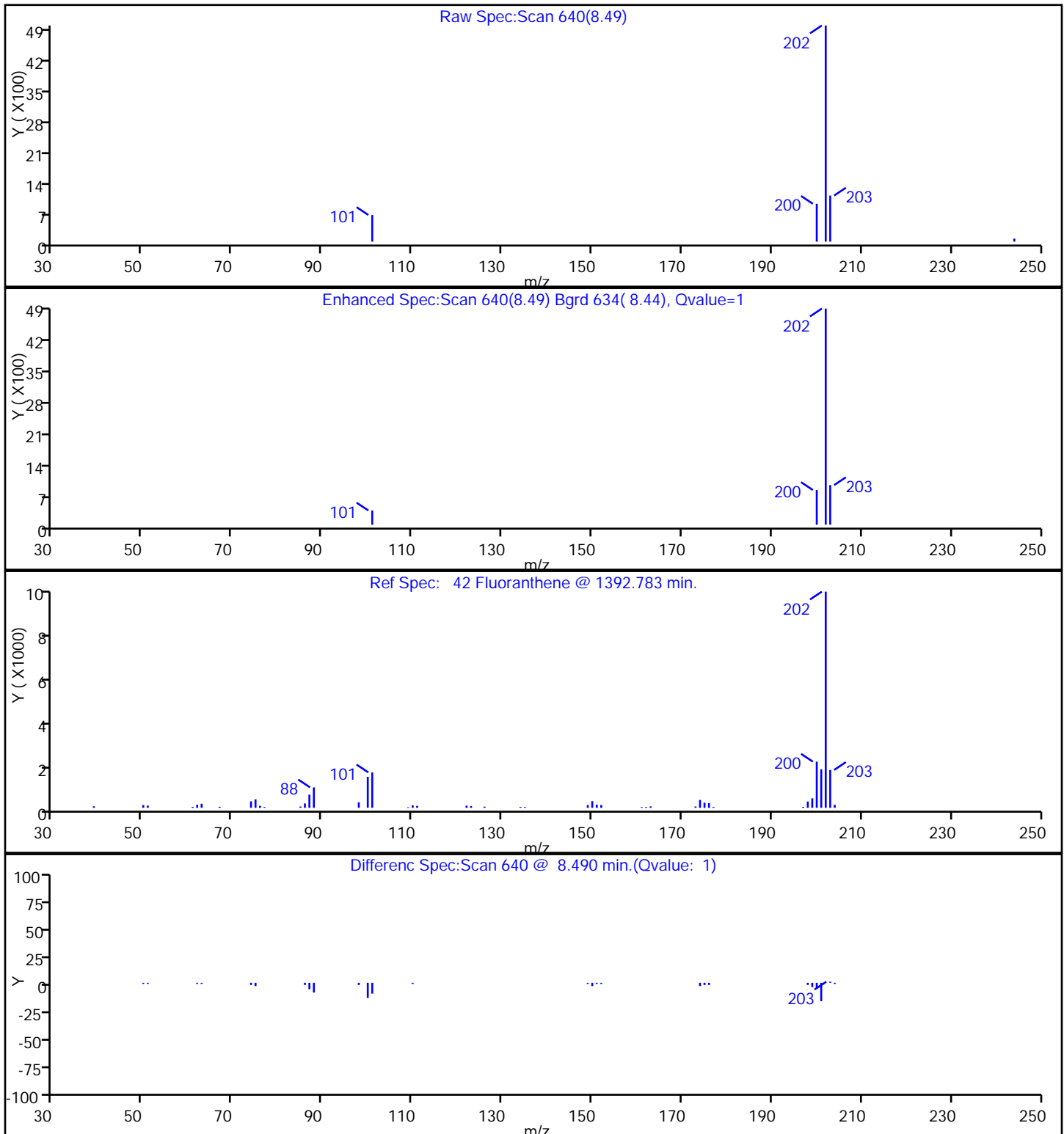
Lims Batch ID: 112072

Lims Sample ID: 11

Operator ID: bat

Injection Vol: 1.00 ul

42 Fluoranthene



Report Date: 25-May-2012 16:22:45

Chem Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

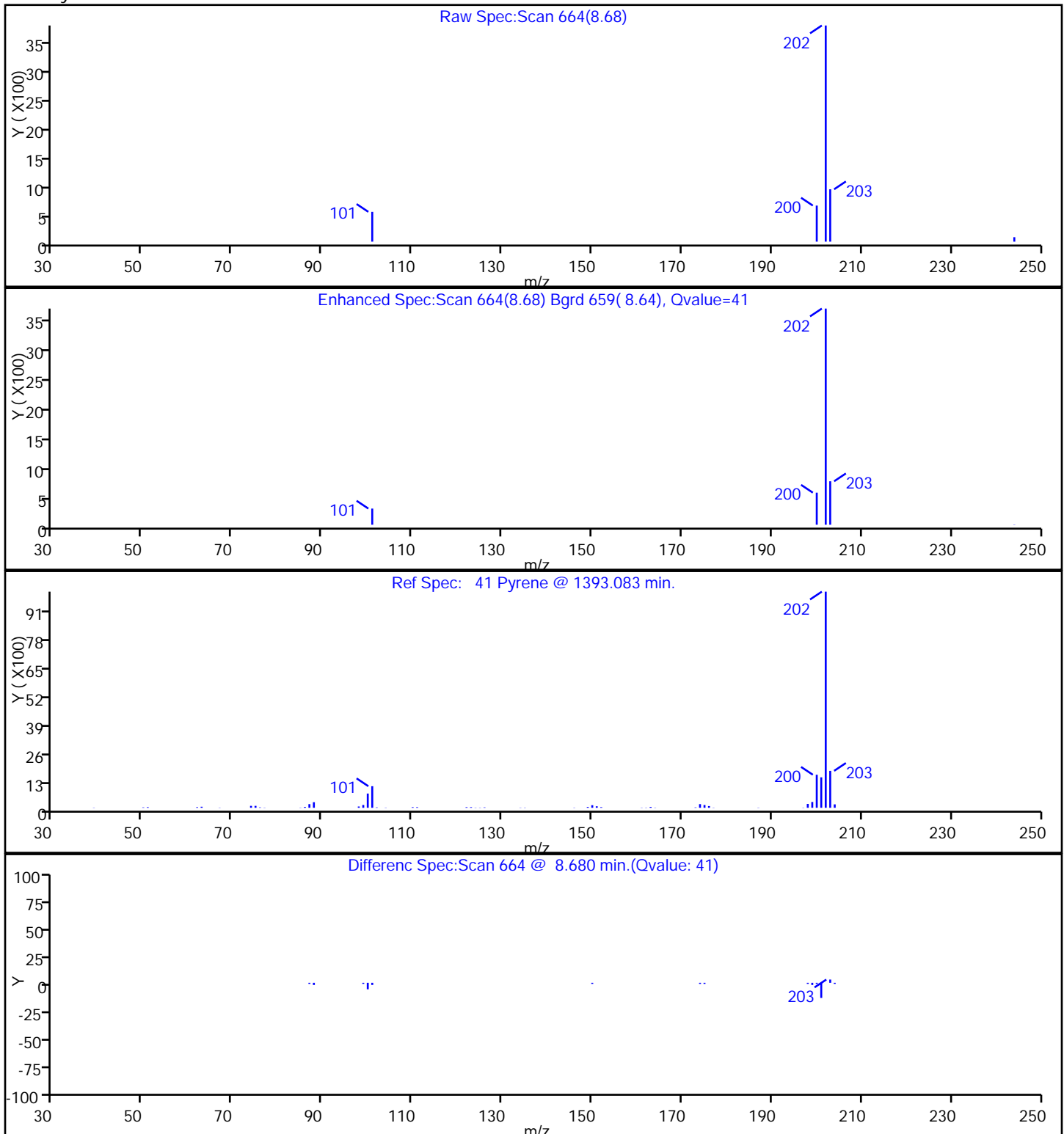
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Lims Sample ID: 11

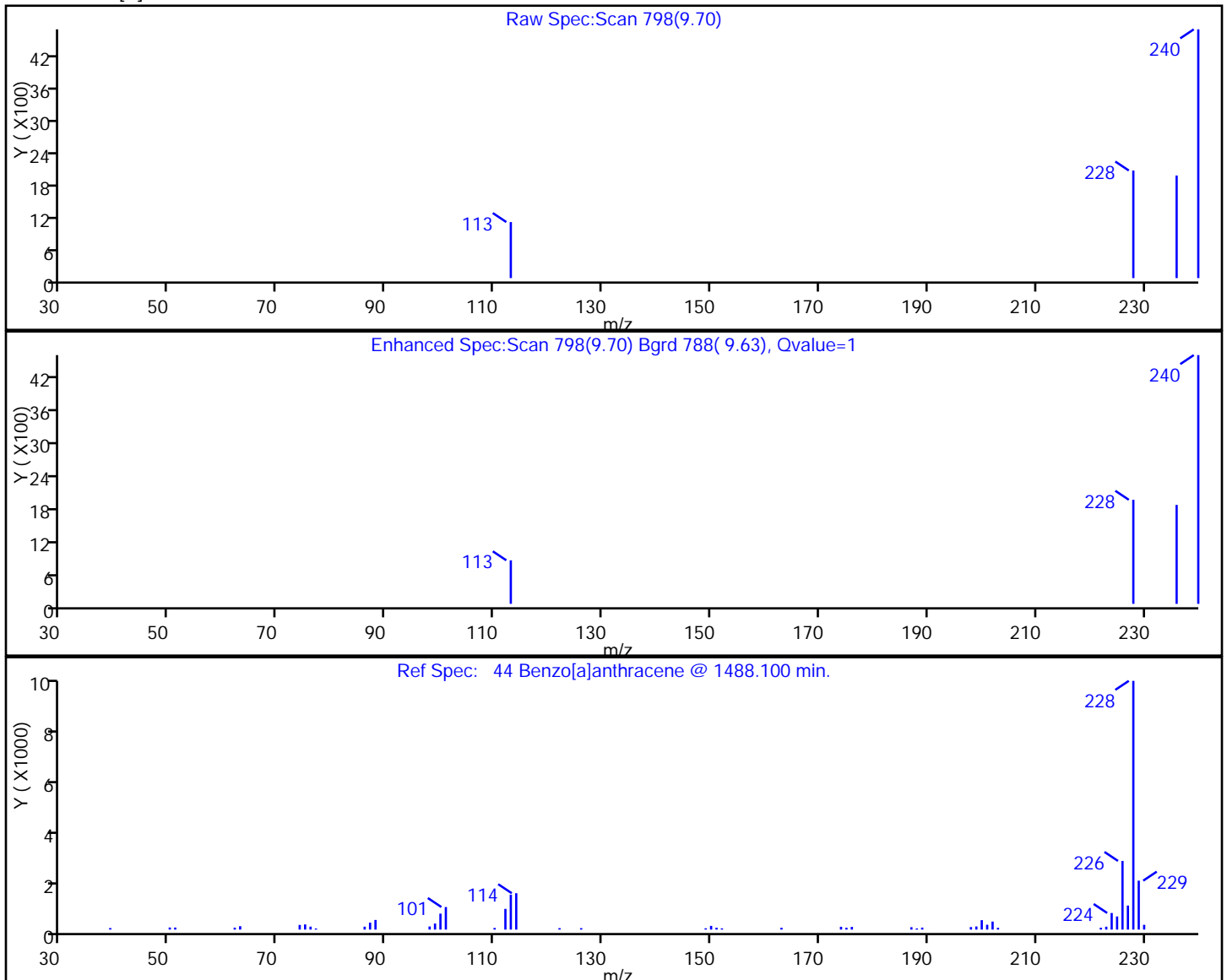
Operator ID: bat

Injection Vol: 1.00 ul

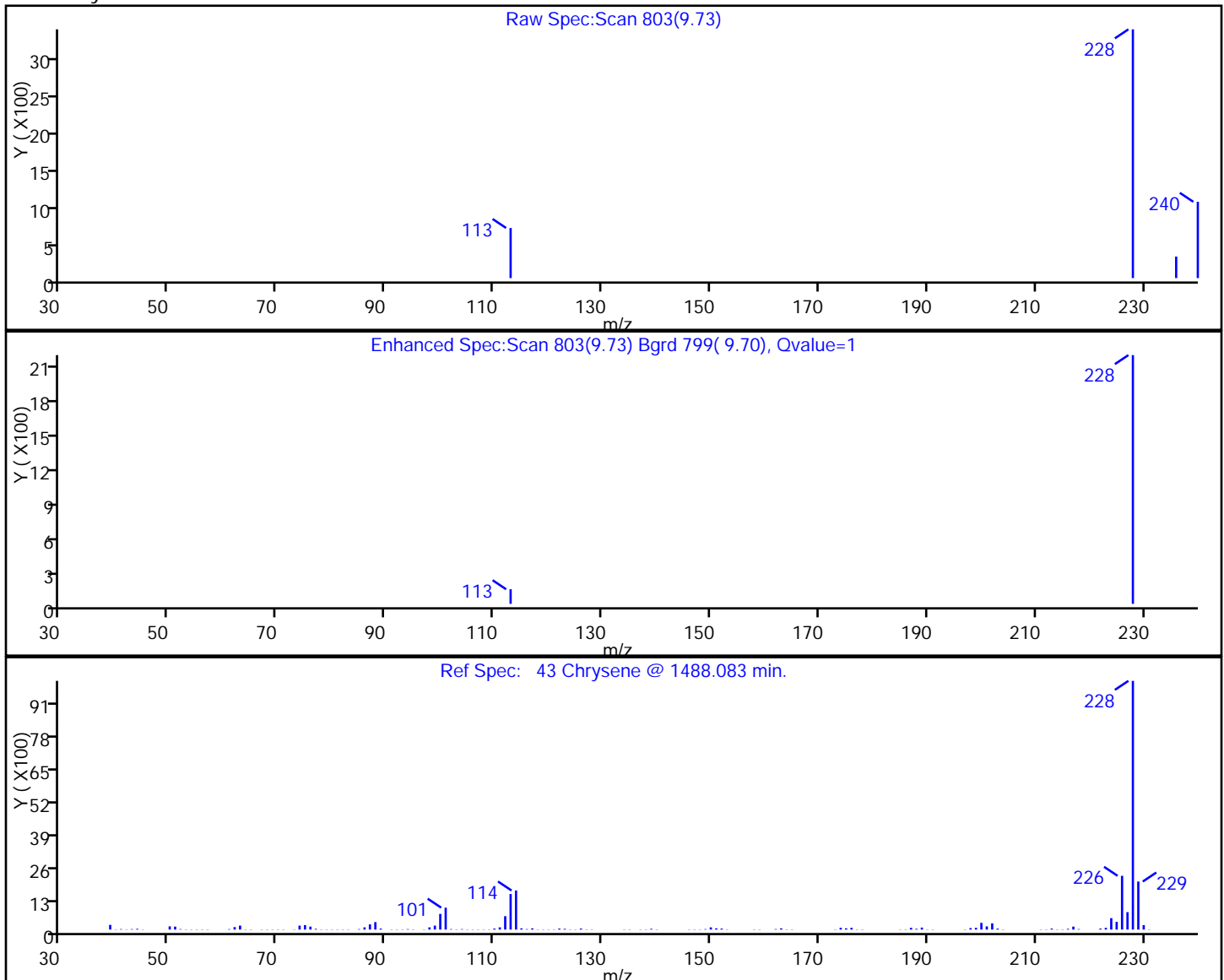
41 Pyrene



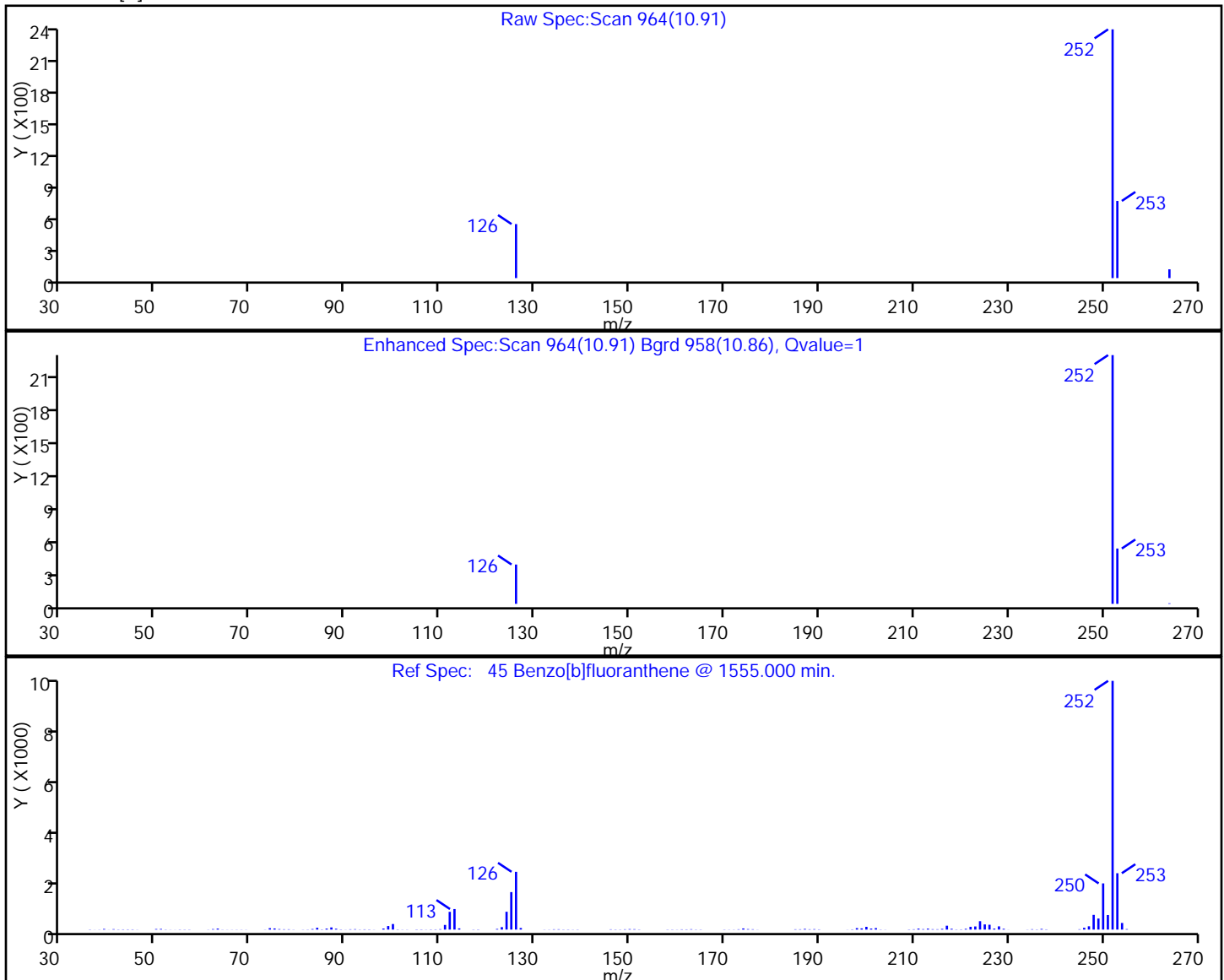
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:22:45

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D

Injection Date: 25-May-2012 14:44:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-DR-COMP-120508

Instrument ID: TAC023

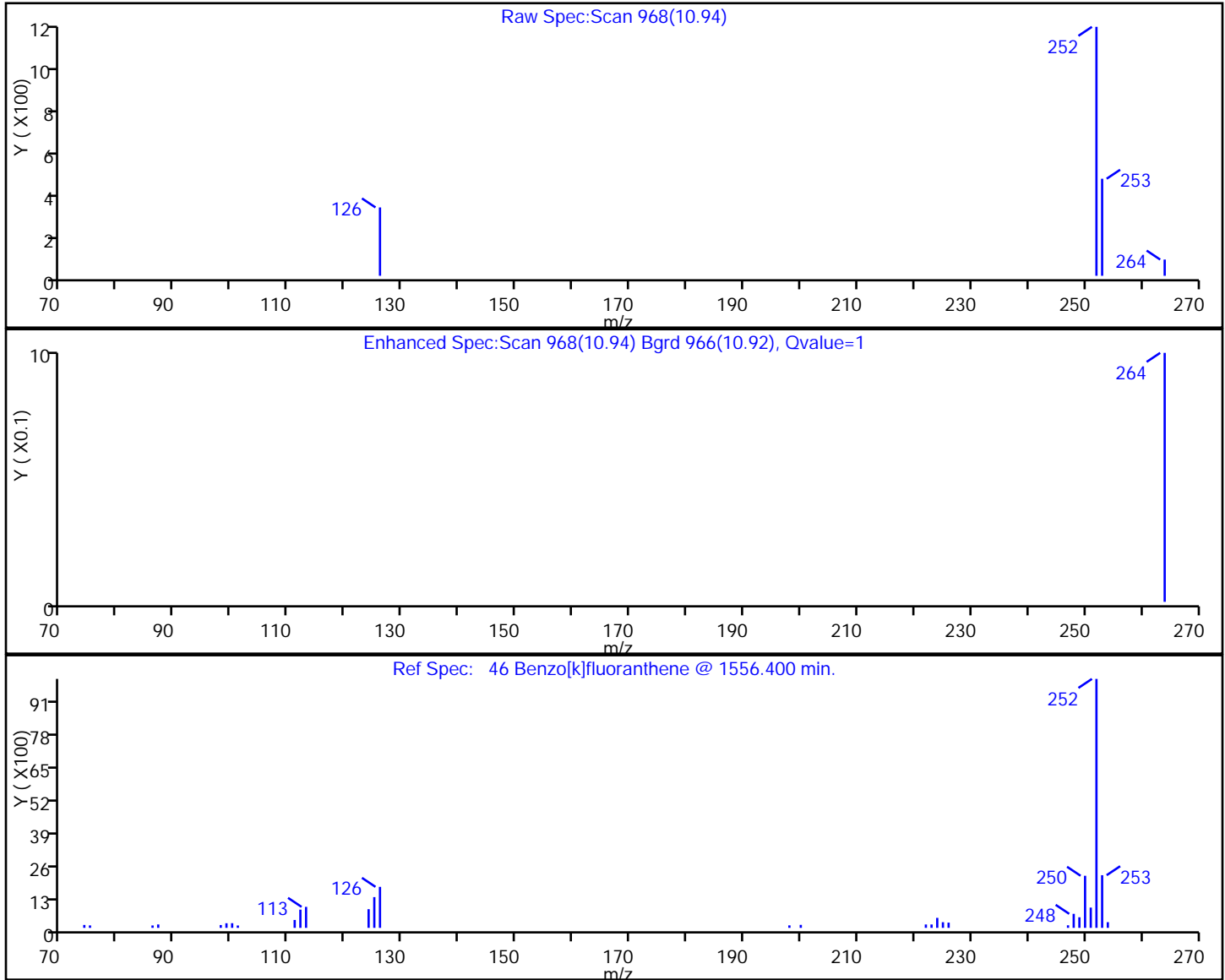
Lims Batch ID: 112072

Lims Sample ID: 11

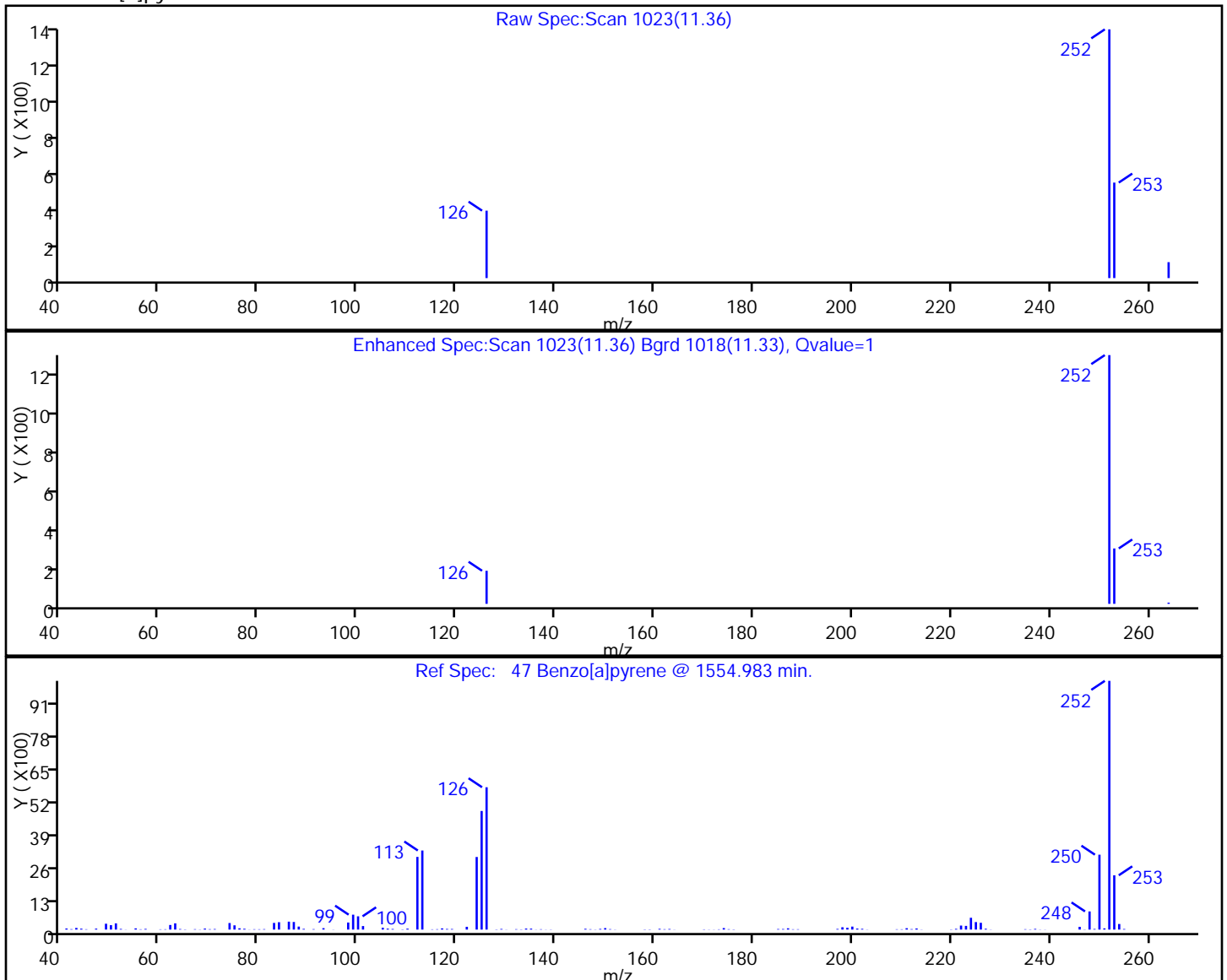
Operator ID: bat

Injection Vol: 1.00 ul

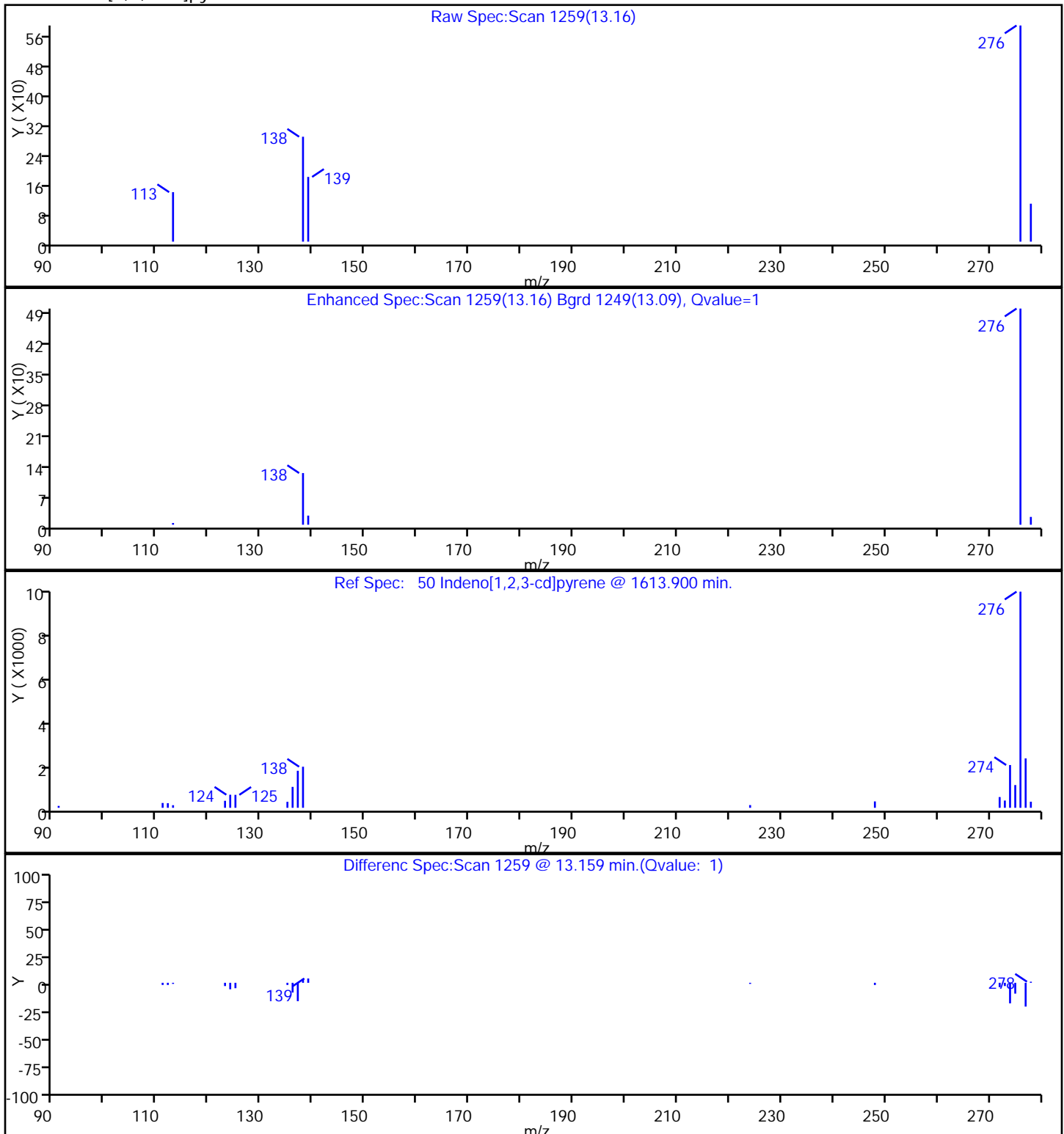
46 Benzo[k]fluoranthene



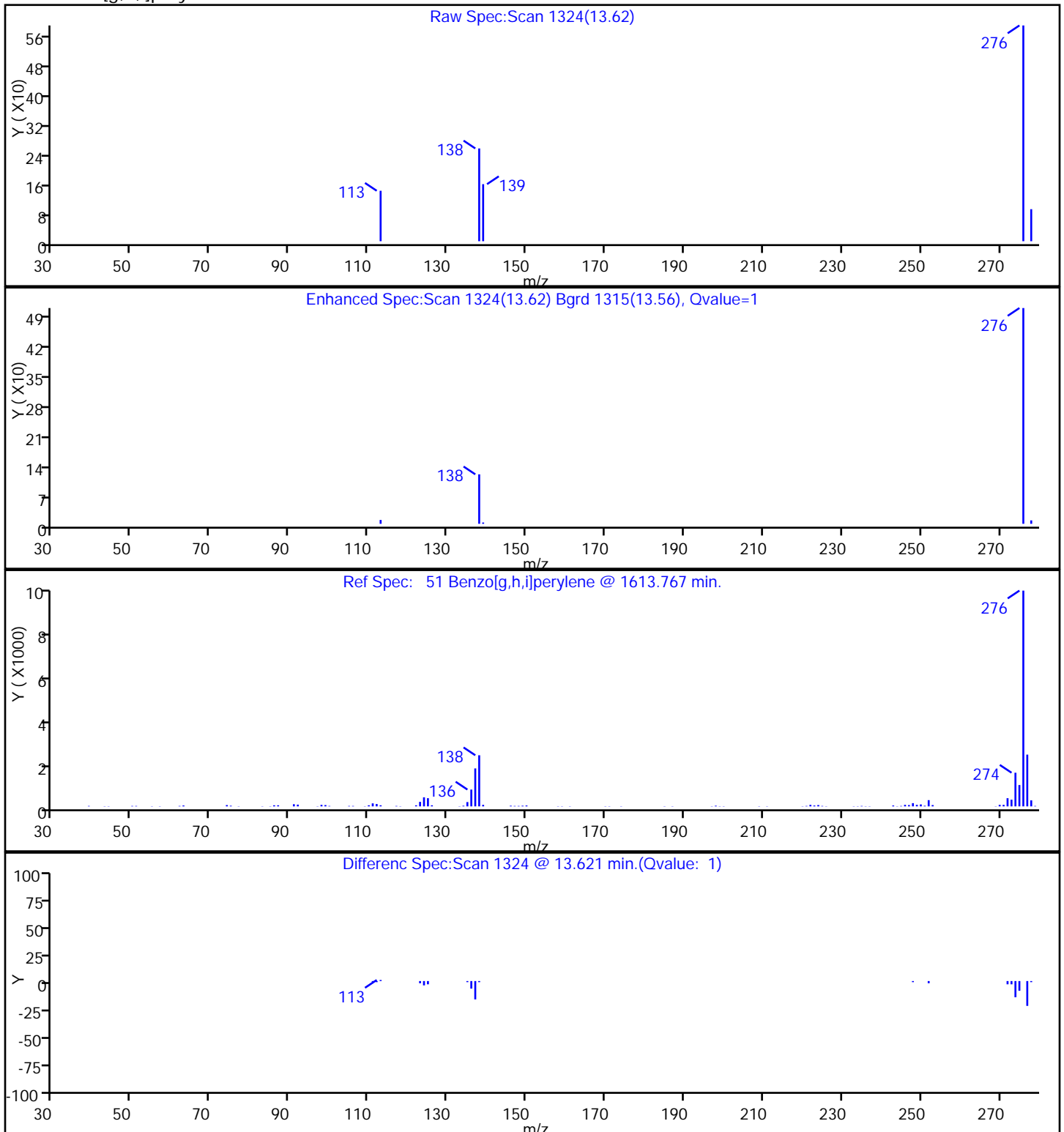
47 Benzo[a]pyrene



50 Indeno[1,2,3-cd]pyrene



51 Benzo[g,h,i]perylene

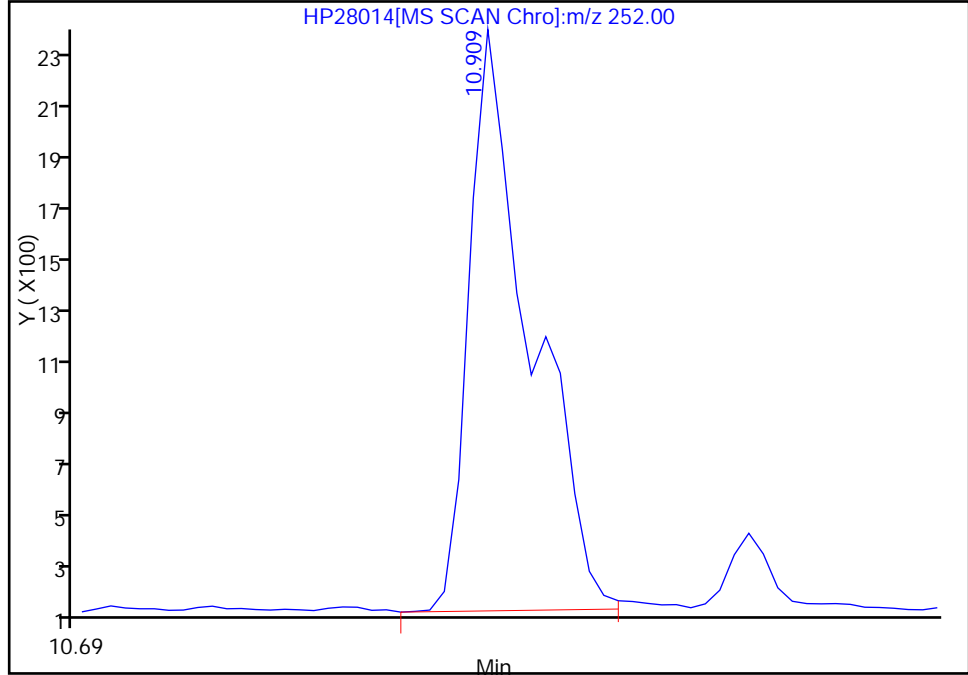


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
Injection Date: 25-May-2012 14:44:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-DR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

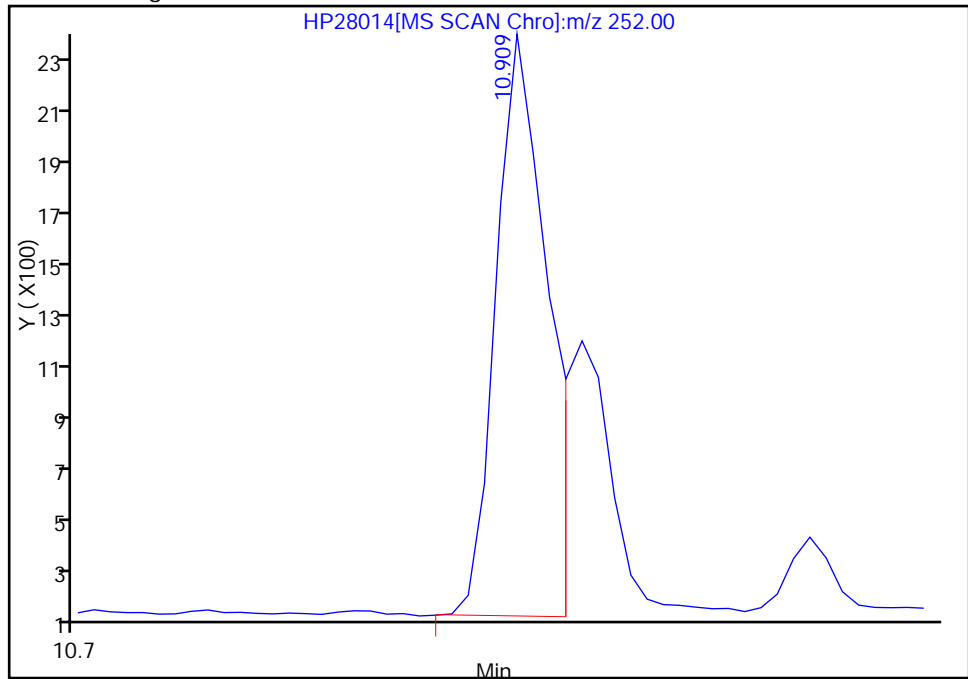
RT: 10.91
Response: 5082
Amount: 11.220909

Processing Integration Results



RT: 10.91
Response: 3664
Amount: 8.090006

Manual Integration Results



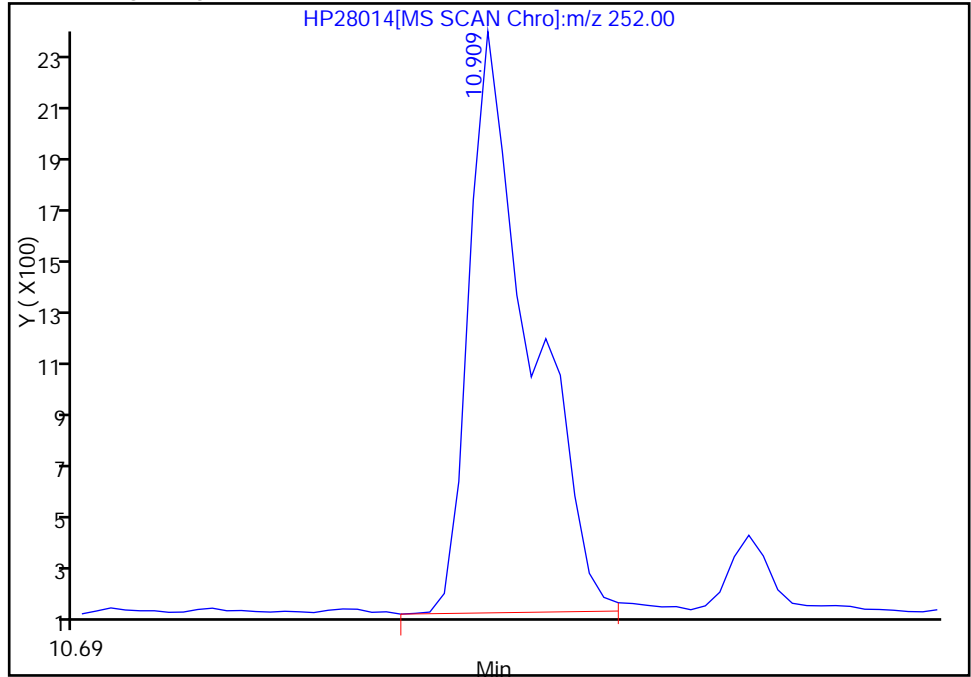
Reviewer: tadesseb, 25-May-2012 16:22:45
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28014.D
Injection Date: 25-May-2012 14:44:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-DR-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

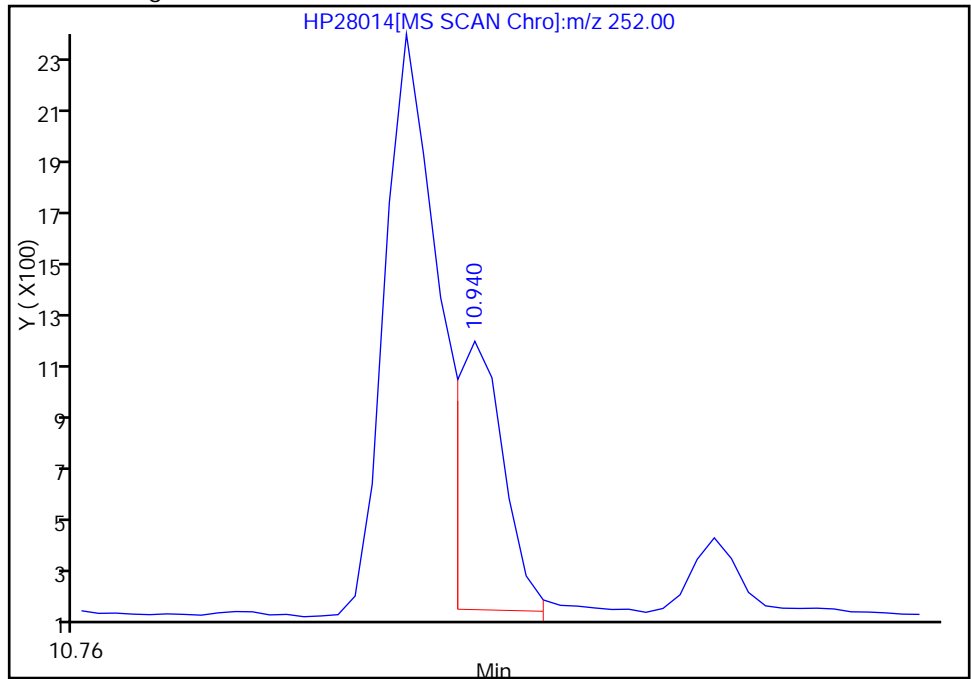
RT: 10.91
Response: 5082
Amount: 11.078902

Processing Integration Results



RT: 10.94
Response: 1372
Amount: 2.990998

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:22:45
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: JW-RG-COMP-120508 Lab Sample ID: 580-32844-15
 Matrix: Solid Lab File ID: HP28015.D
 Analysis Method: 8270C SIM Date Collected: 05/08/2012 17:28
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:30
 Sample wt/vol: 20.3033(g) Date Analyzed: 05/25/2012 15:06
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 36.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.78	0.31
91-57-6	2-Methylnaphthalene	ND		0.78	0.31
90-12-0	1-Methylnaphthalene	ND		0.78	0.23
208-96-8	Acenaphthylene	0.29	J	0.78	0.23
83-32-9	Acenaphthene	ND		0.78	0.23
86-73-7	Fluorene	ND		0.78	0.23
85-01-8	Phenanthrene	2.0		0.78	0.23
120-12-7	Anthracene	0.77	J	0.78	0.23
206-44-0	Fluoranthene	4.9		0.78	0.23
129-00-0	Pyrene	4.6		0.78	0.23
56-55-3	Benzo[a]anthracene	2.7		0.78	0.23
218-01-9	Chrysene	3.9		0.78	0.23
205-99-2	Benzo[b]fluoranthene	3.6		0.78	0.23
207-08-9	Benzo[k]fluoranthene	1.3		0.78	0.23
50-32-8	Benzo[a]pyrene	2.3		0.78	0.23
193-39-5	Indeno[1,2,3-cd]pyrene	1.3		0.78	0.23
53-70-3	Dibenz(a,h)anthracene	ND		0.78	0.23
191-24-2	Benzo[g,h,i]perylene	1.0		0.78	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	69		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
 Lims ID: 580-32844-C-15-A Client ID: JW-RG-COMP-120508
 Inject. Date: 25-May-2012 15:06:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 580-32844-c-15-a
 Misc. Info.: 580-0023449-012 =580-0023449-012
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 112072 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:24:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.848	3.859	-0.011	1	14776	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	38256	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	21258	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	33065	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	37976	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31273	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	92085	730.9	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	172836	539.5	
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	247369	691.3	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	265	1.06	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	220	0.8720	
31 Acenaphthylene	152	6.143	6.143	0.0	1	735	1.86	
37 Phenanthrene	178	7.510	7.510	0.0	1	5477	13.2	
38 Anthracene	178	7.550	7.550	0.0	1	2034	4.98	
42 Fluoranthene	202	8.490	8.490	0.0	1	14492	31.8	
41 Pyrene	202	8.681	8.680	0.001	41	14108	29.8	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	7289	17.1	
43 Chrysene	228	9.729	9.729	0.0	1	11143	25.2	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	10211	23.3	M
46 Benzo[k]fluoranthene	252	10.940	10.948	-0.008	1	3820	8.62	M
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	5911	15.1	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	3078	8.70	
51 Benzo[g,h,i]perylene	276	13.614	13.621	-0.007	1	2511	6.49	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

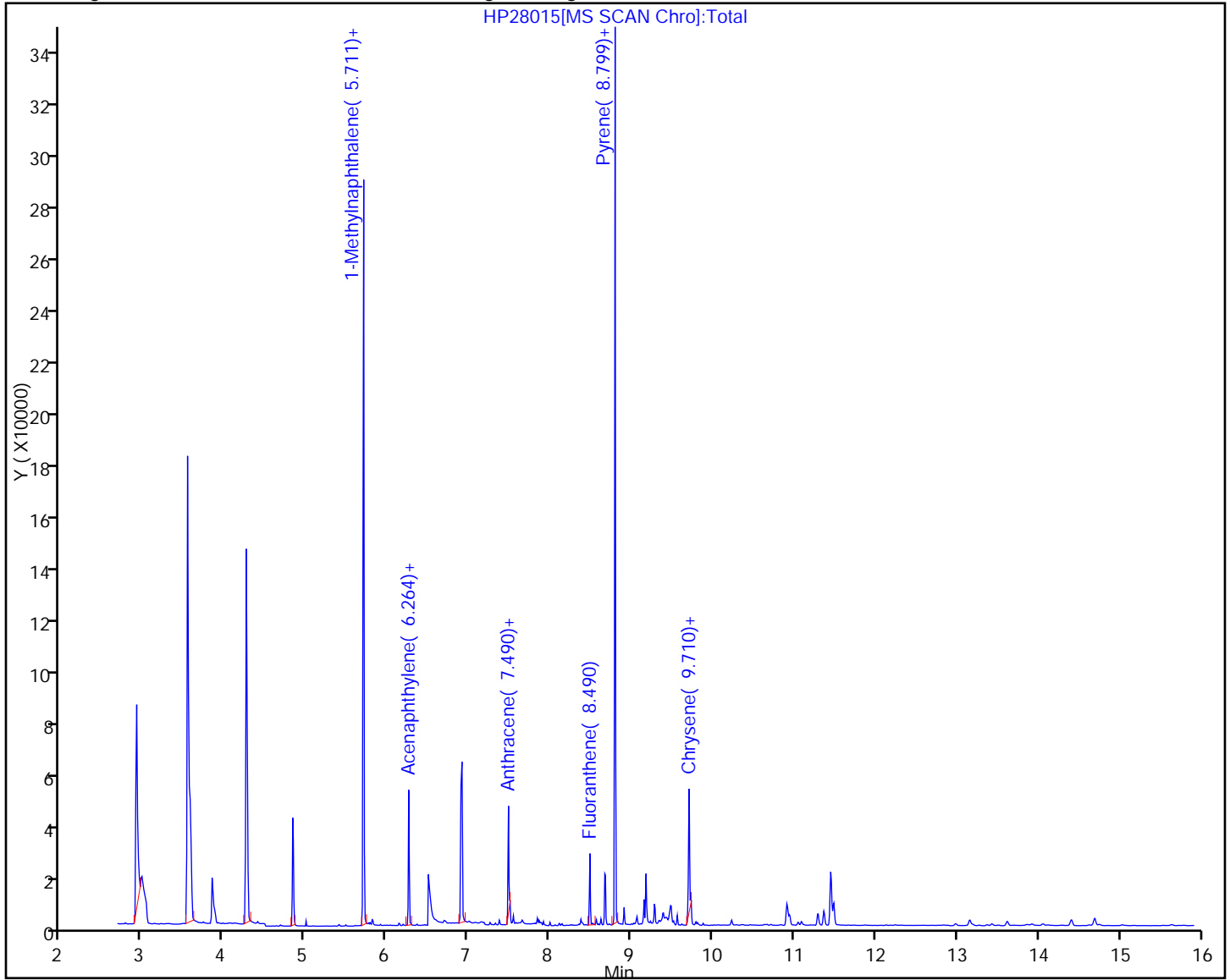
Lims Batch ID: 112072

Lims Sample ID: 12

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

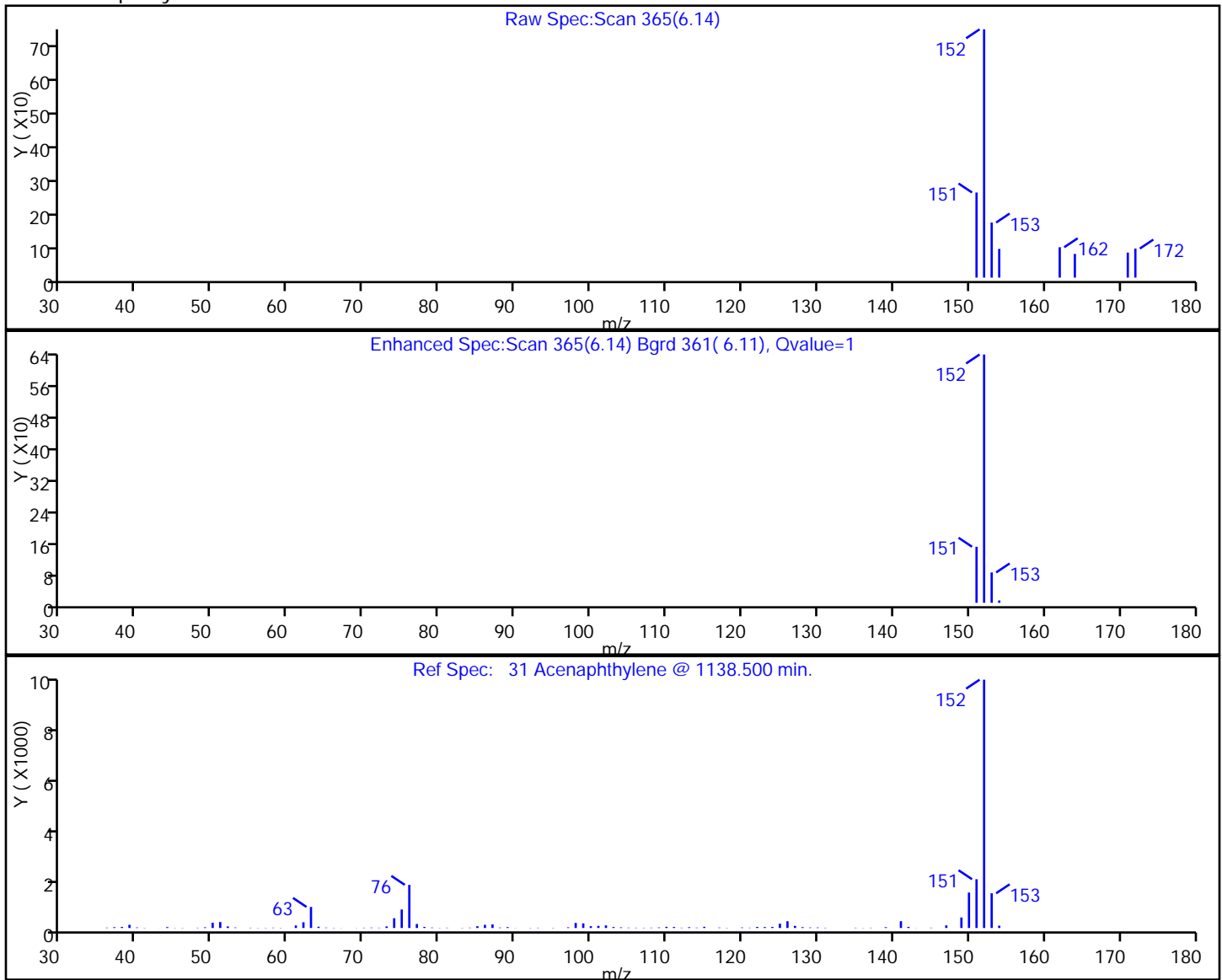
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Lims Sample ID: 12

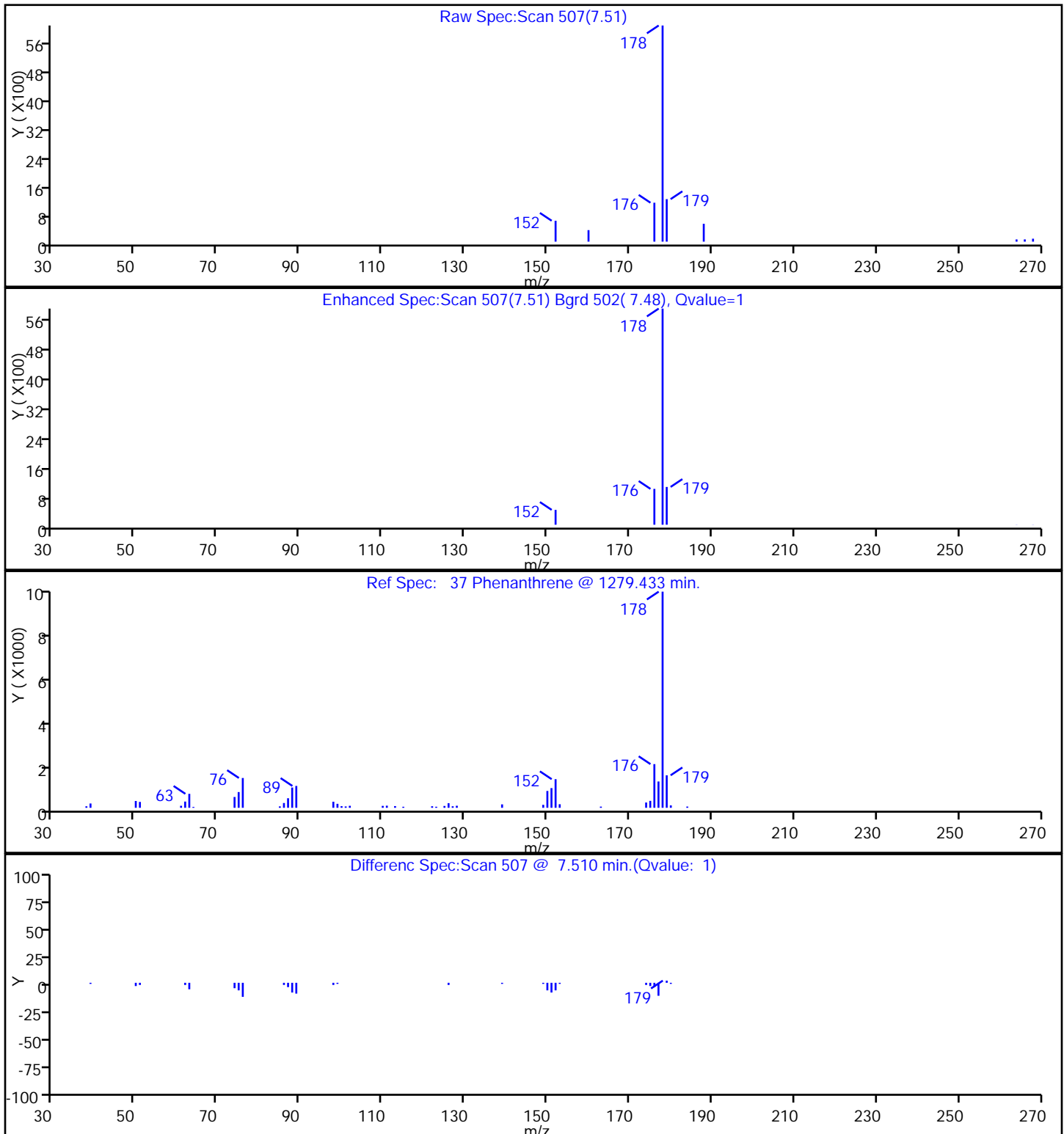
Operator ID: bat

Injection Vol: 1.00 ul

31 Acenaphthylene



37 Phenanthrene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

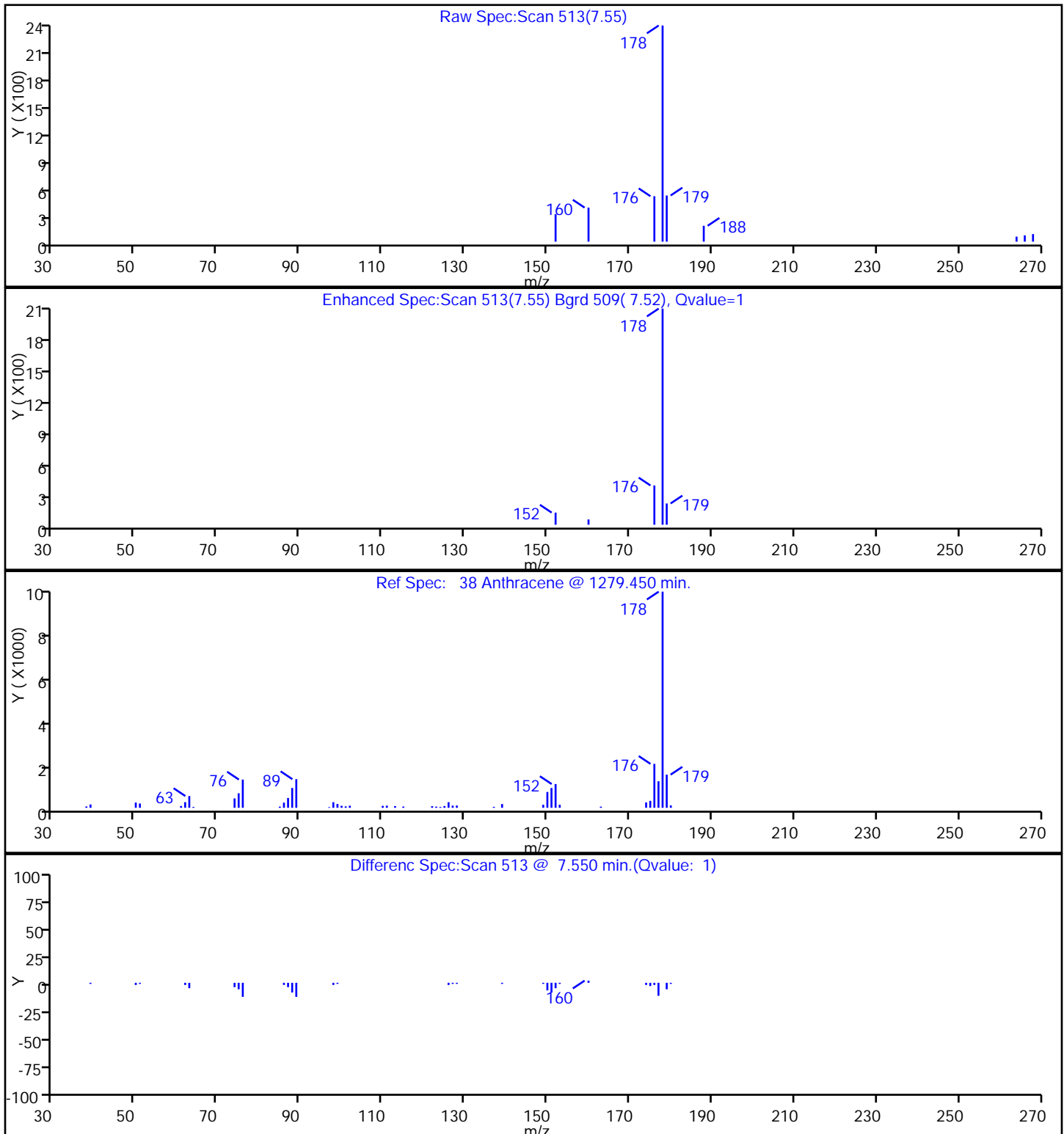
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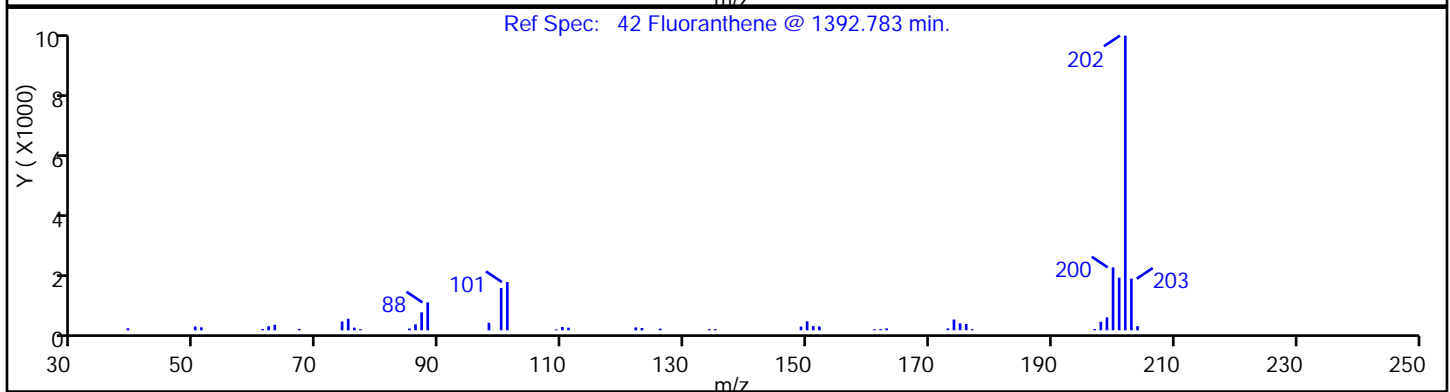
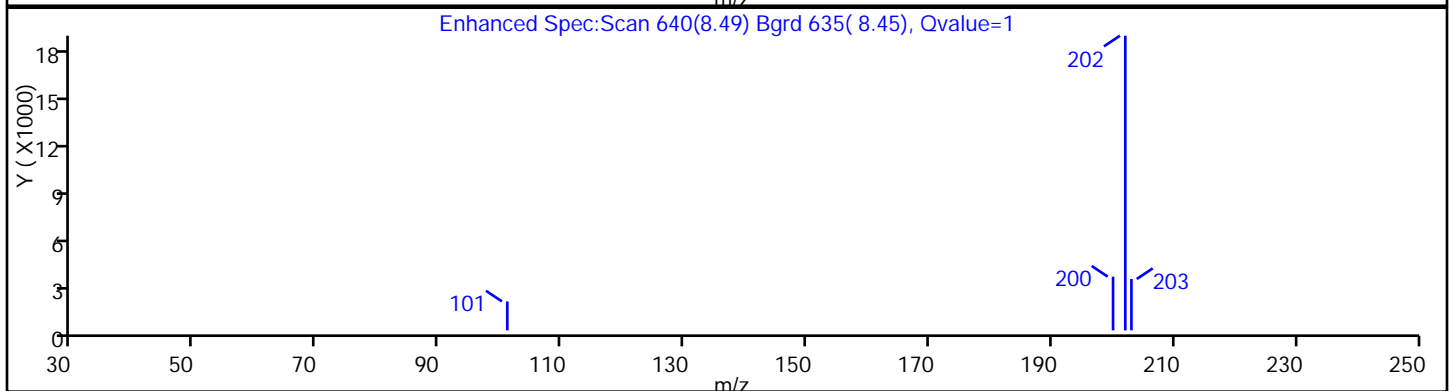
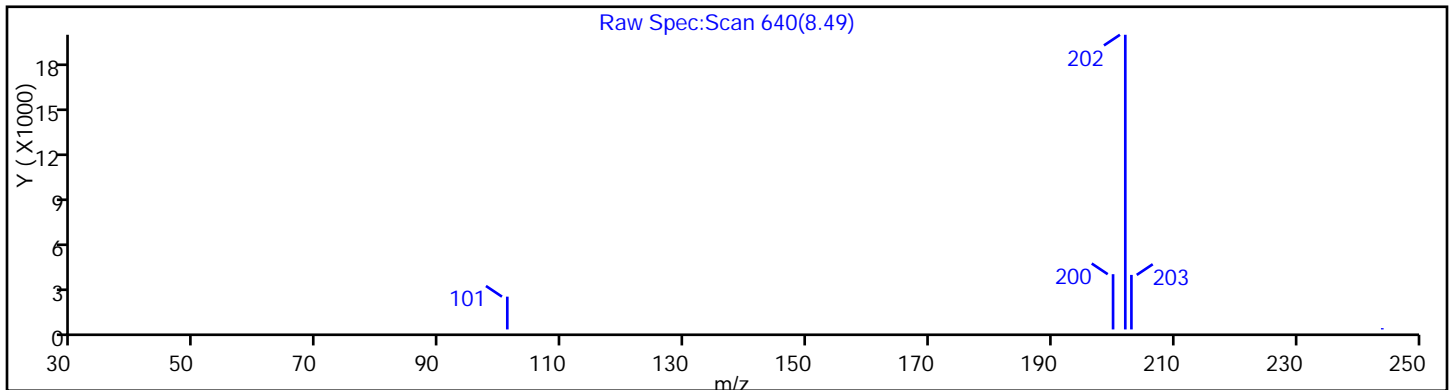
Operator ID: bat

Injection Vol: 1.00 ul

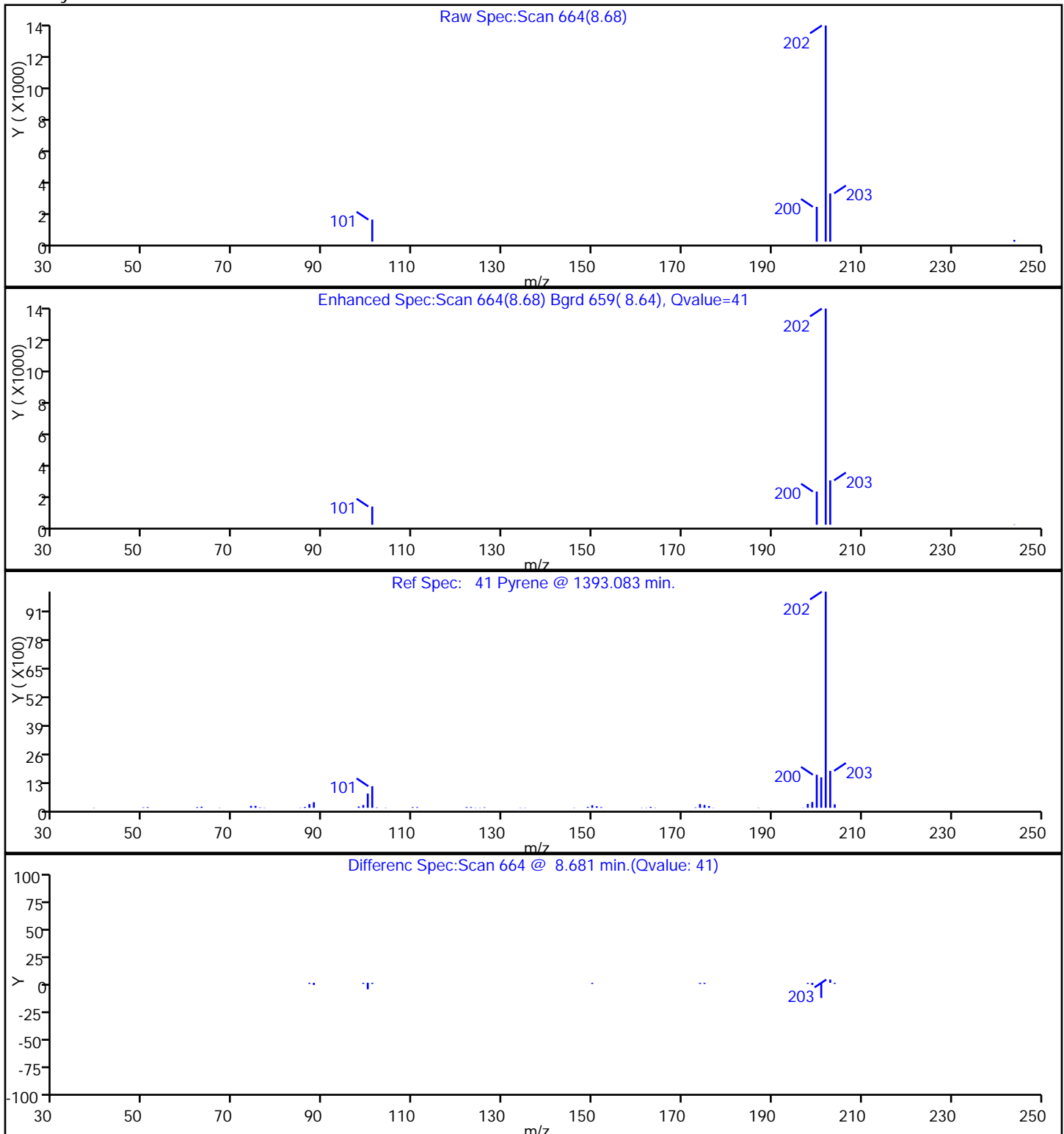
38 Anthracene



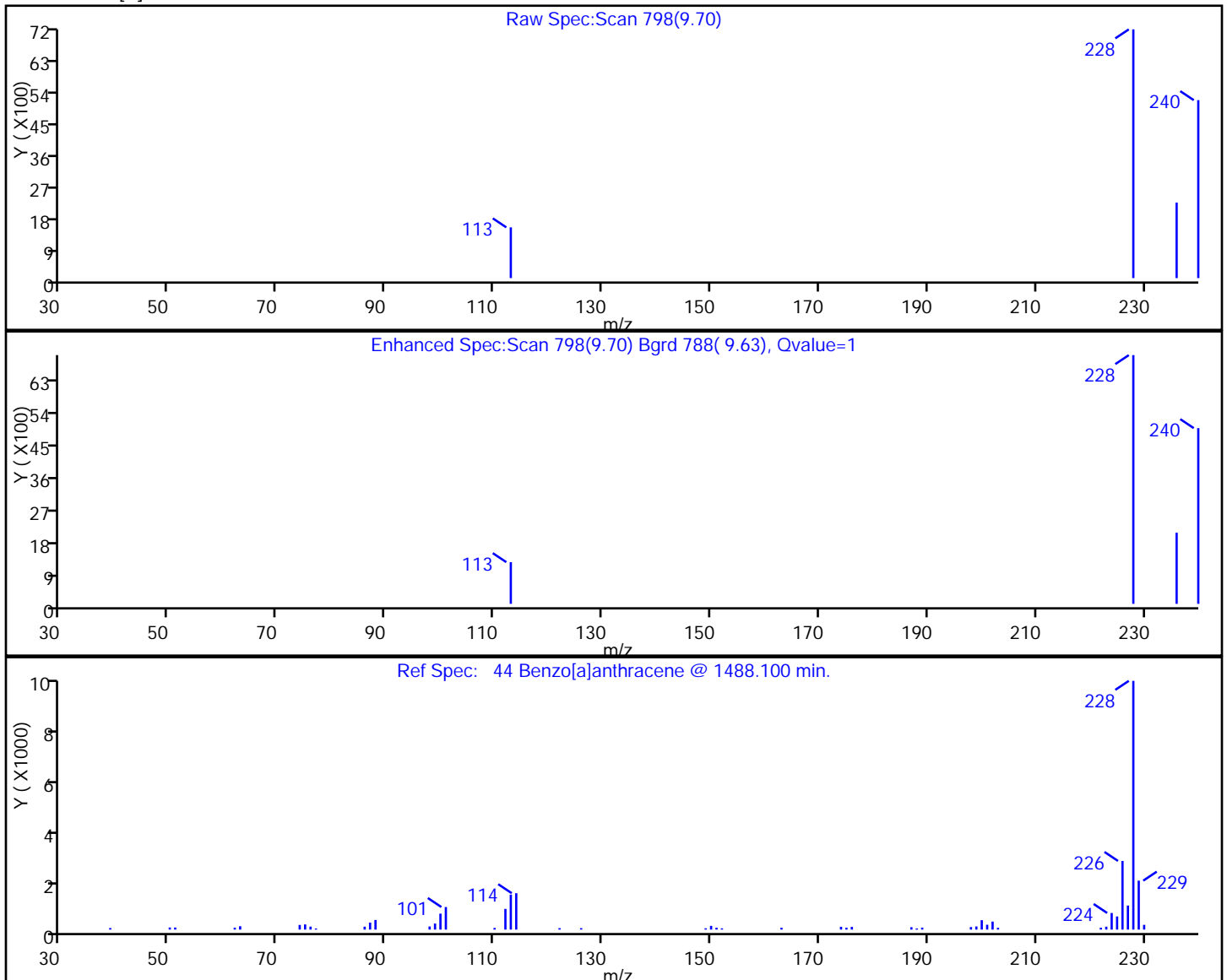
42 Fluoranthene



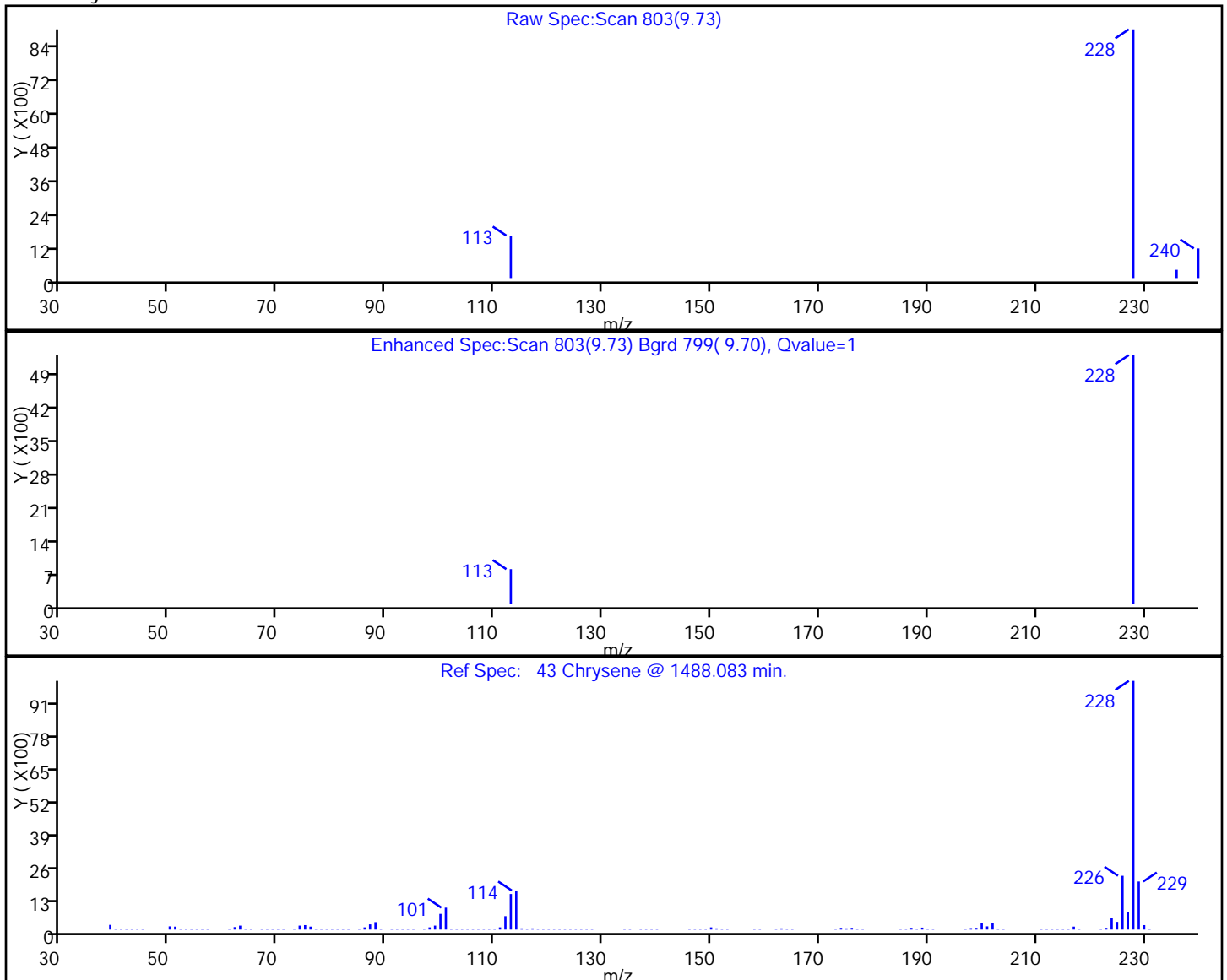
41 Pyrene



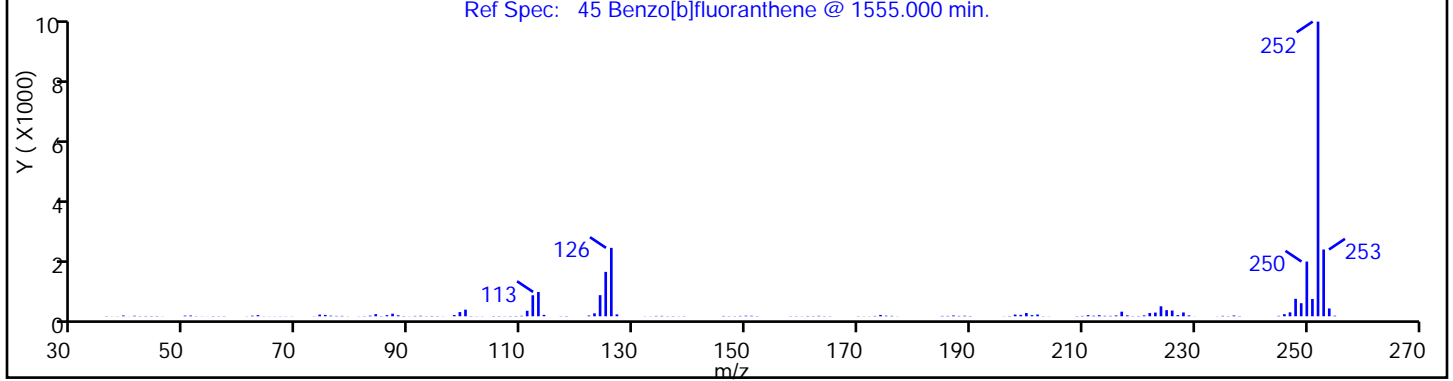
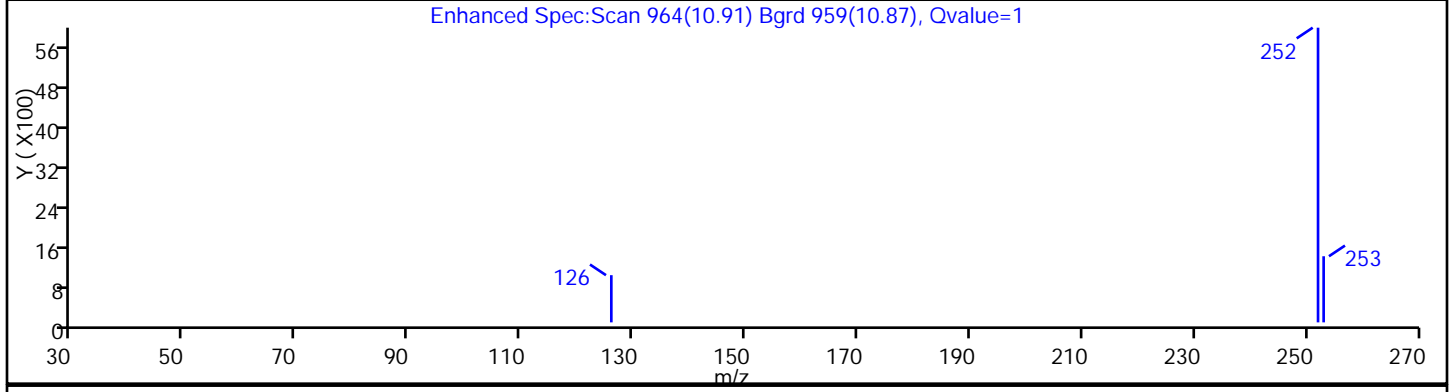
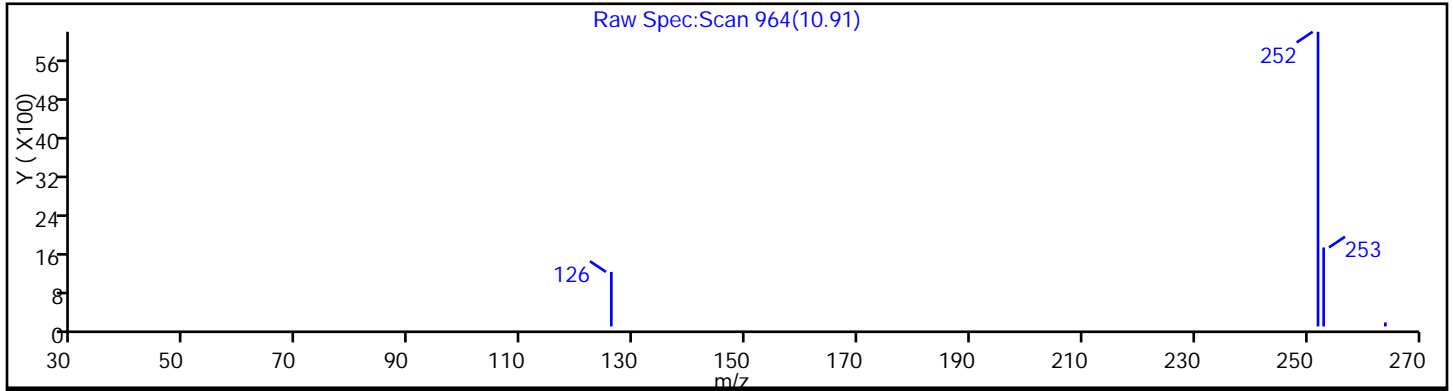
44 Benzo[a]anthracene



43 Chrysene



45 Benzo[b]fluoranthene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

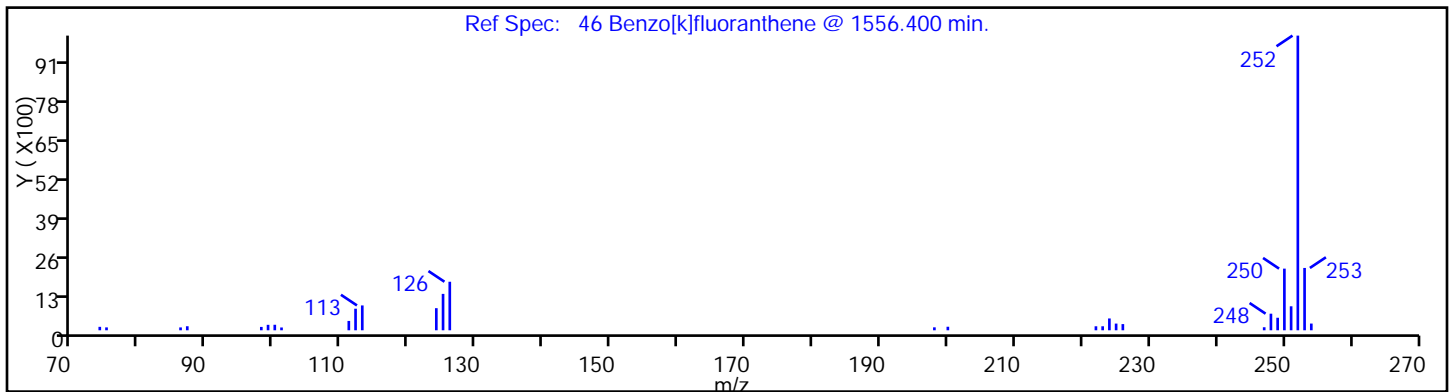
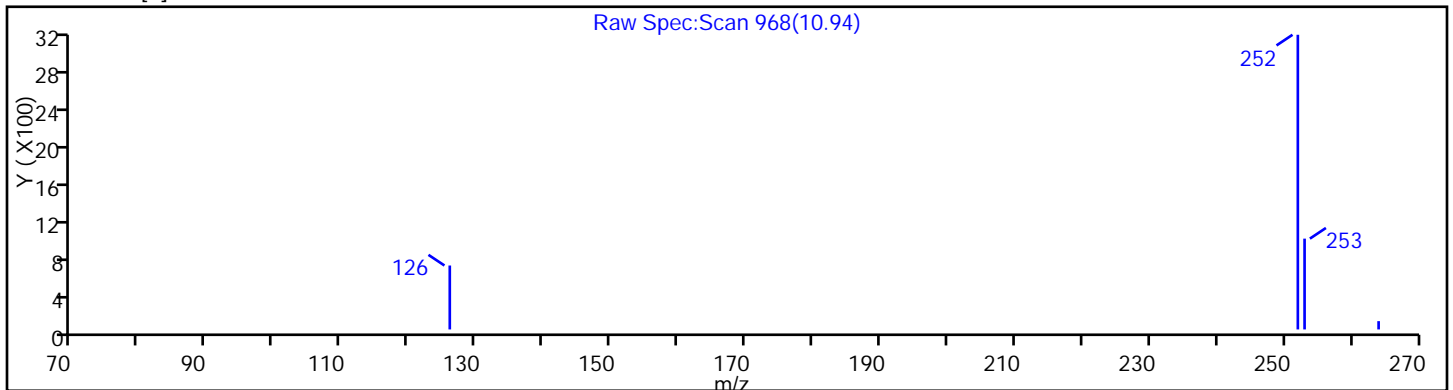
Lims Batch ID: 112072

Lims Sample ID: 12

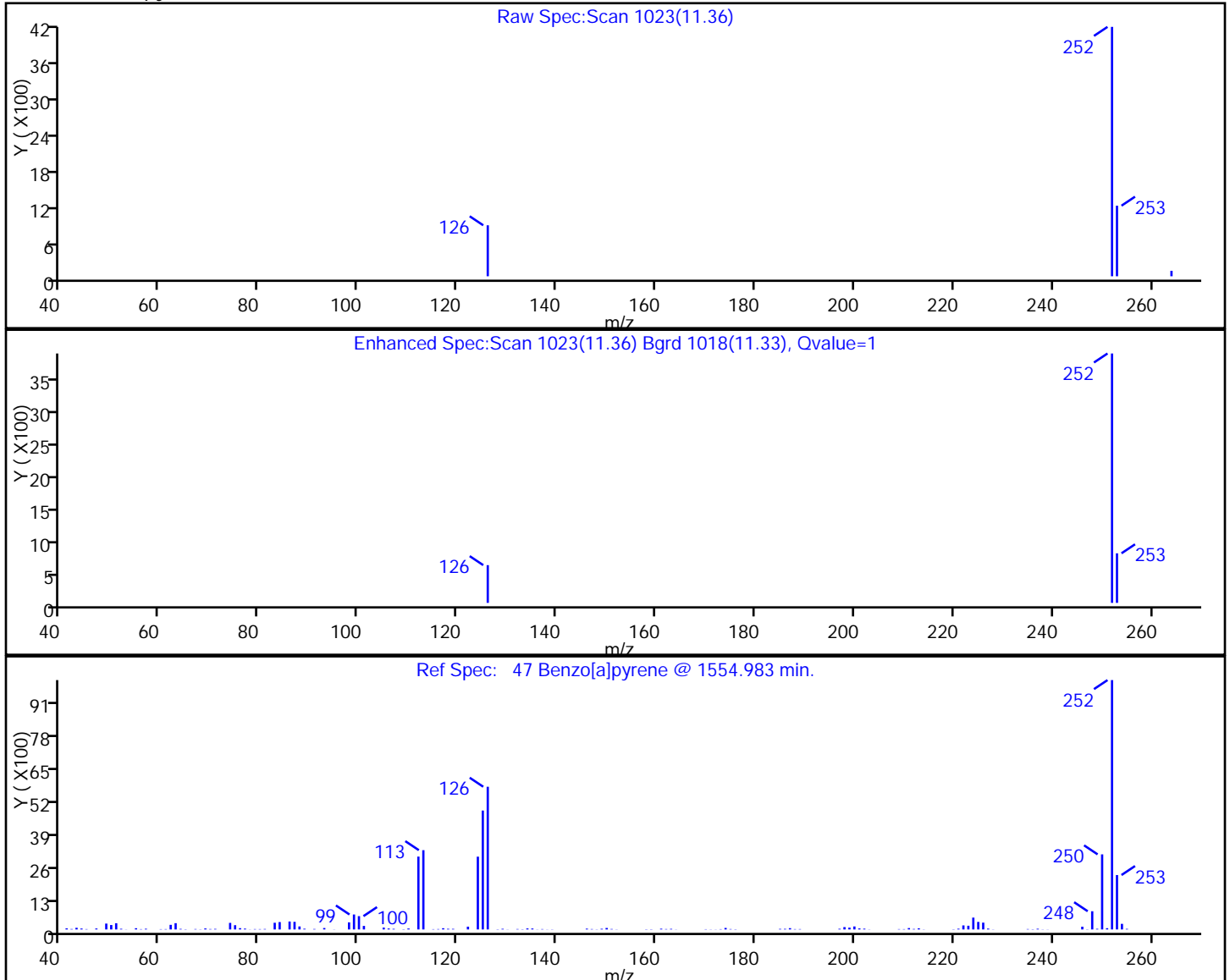
Operator ID: bat

Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene



47 Benzo[a]pyrene



Report Date: 25-May-2012 16:24:00

Chrom Revision: 2.0 09-Mar-2012 13:24:42

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D

Injection Date: 25-May-2012 15:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID: JW-RG-COMP-120508

Instrument ID: TAC023

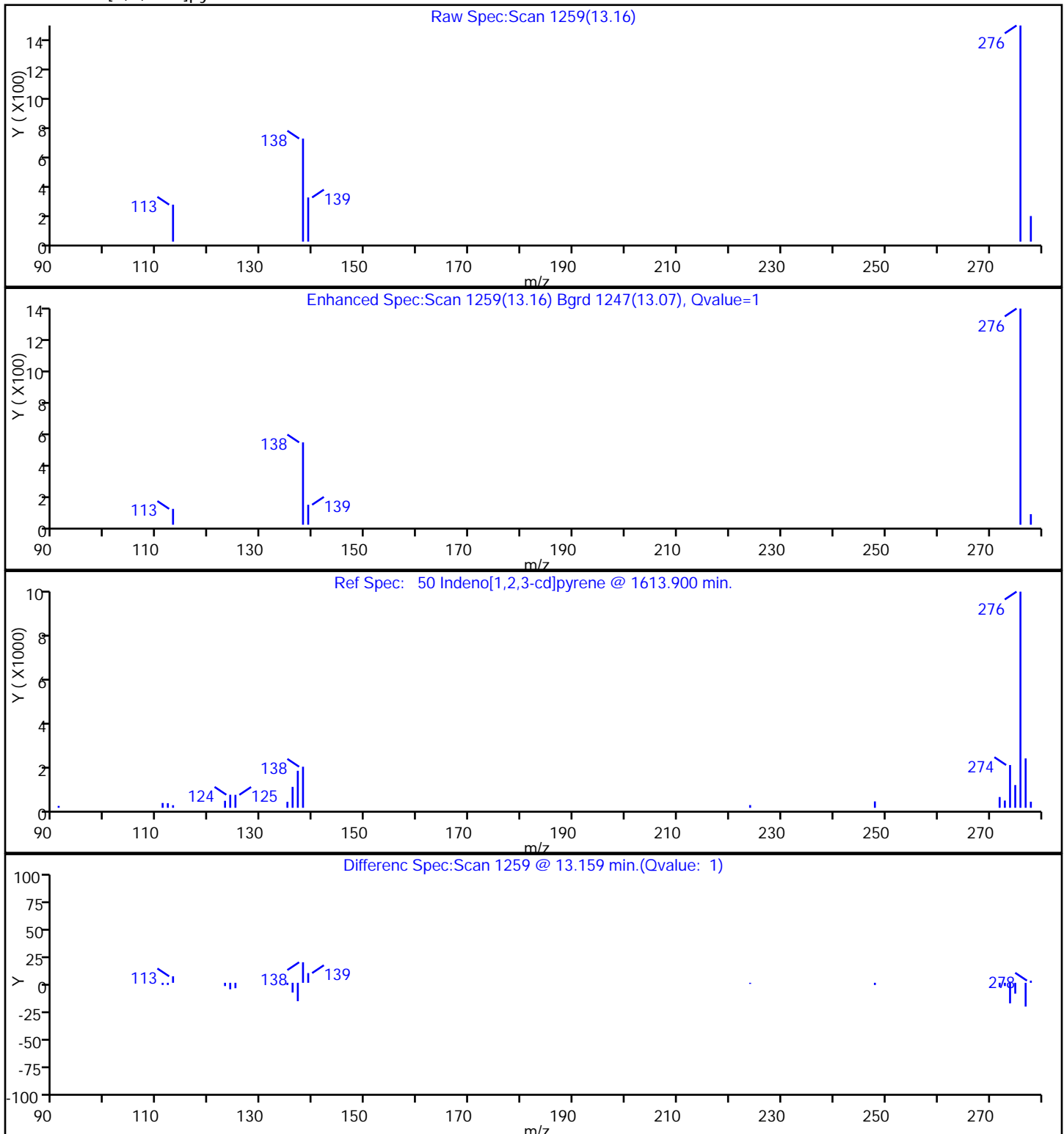
Lims Batch ID: 112072

Lims Sample ID: 12

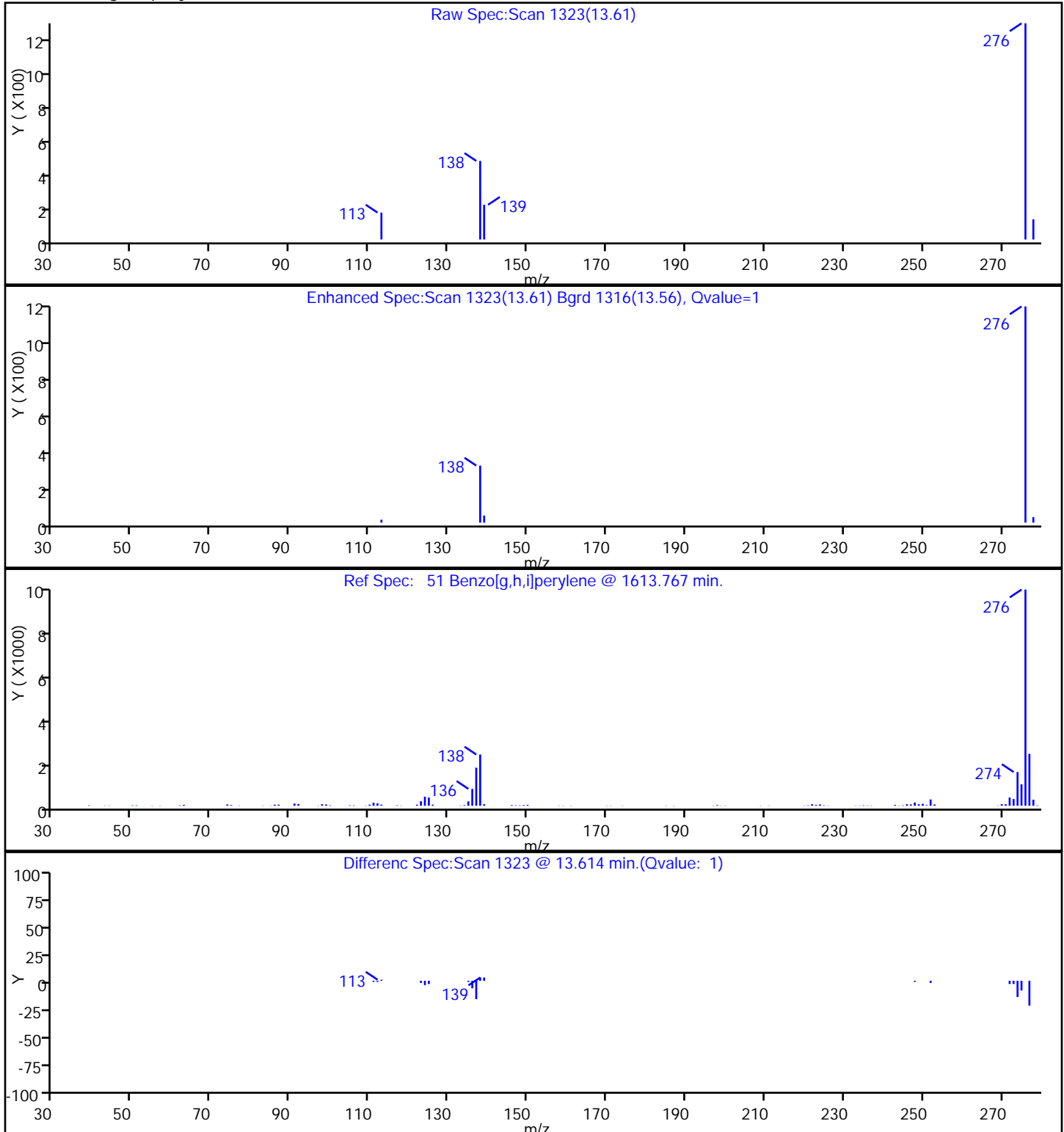
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene



51 Benzo[g,h,i]perylene

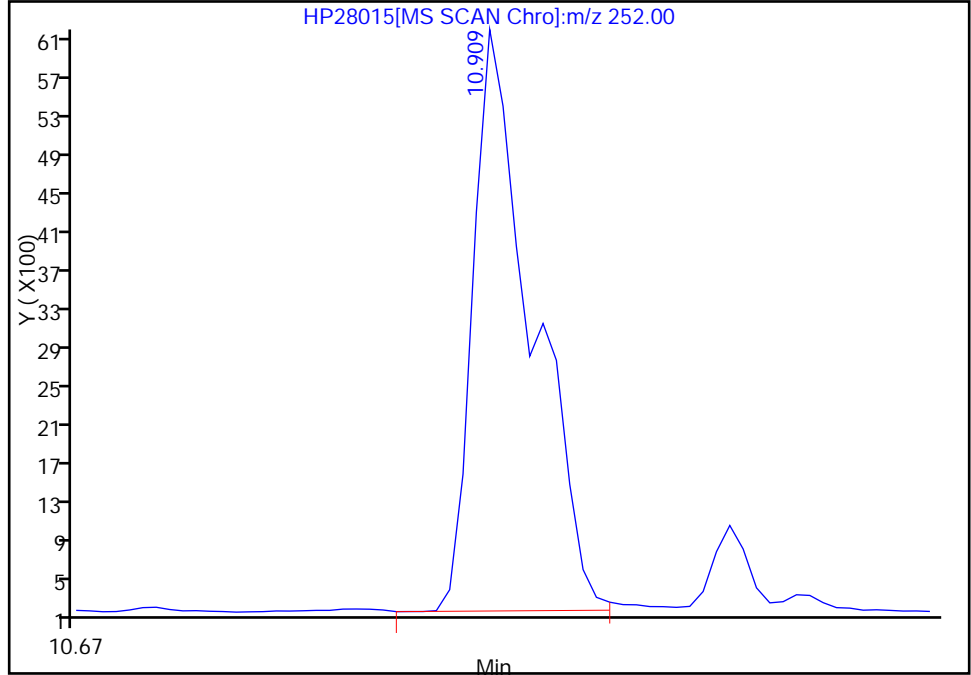


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
Injection Date: 25-May-2012 15:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RG-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 12
Operator ID: bat Injection Vol: 1.00 ul

45 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.91

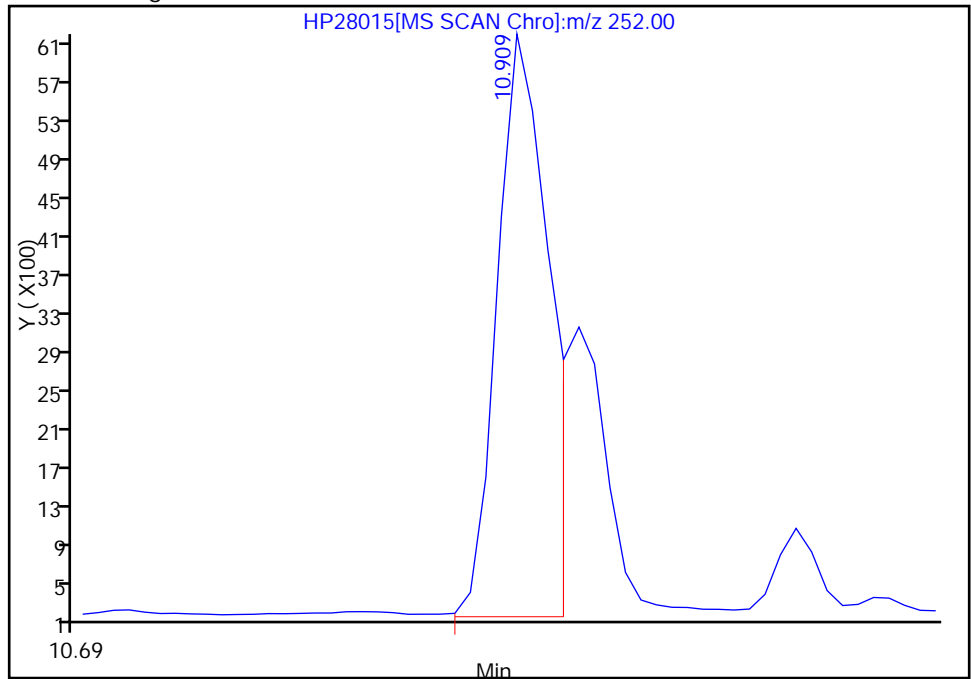
RT: 10.91
Response: 14128
Amount: 32.277479

Processing Integration Results



RT: 10.91
Response: 10211
Amount: 23.328520

Manual Integration Results



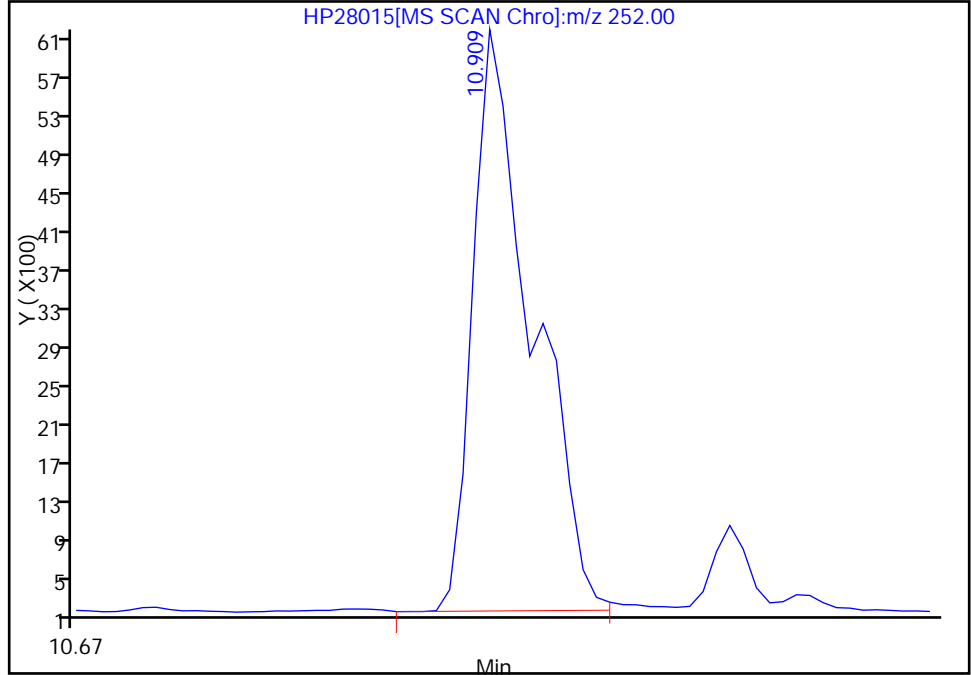
Reviewer: tadesseb, 25-May-2012 16:24:00
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28015.D
Injection Date: 25-May-2012 15:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: JW-RG-COMP-120508 Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 12
Operator ID: bat Injection Vol: 1.00 ul

46 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.95

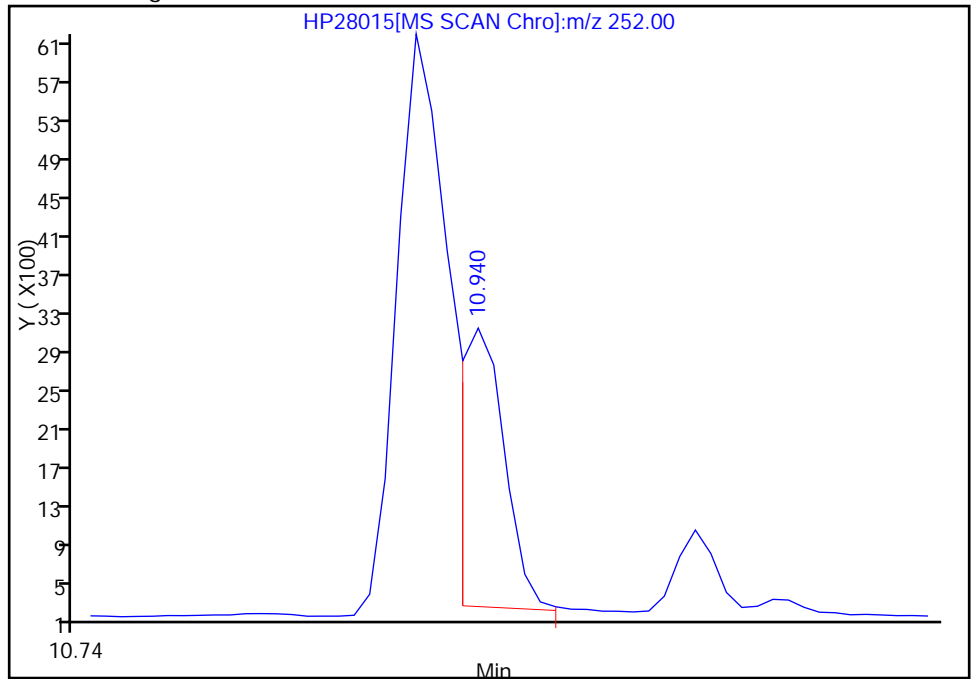
RT: 10.91
Response: 14128
Amount: 31.868991

Processing Integration Results



RT: 10.94
Response: 3820
Amount: 8.616899

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 16:24:00
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Naphthalene	1.0626 1.0256	1.2830 1.0460	1.0988 1.0021	1.0313	1.0016	Ave		1.0689			8.6		15.0				
2-Methylnaphthalene	0.6568 0.5941	0.7680 0.6074	0.6174 0.5676	0.6002	0.5807	Ave		0.6240			10.0		15.0				
1-Methylnaphthalene	0.7605 0.5880	0.7384 0.6037	0.6051 0.5705	0.5805	0.5762	Ave		0.6278			12.0		15.0				
Acenaphthylene	1.7602 1.8198	2.1608 1.8878	1.7798 1.7402	1.7311	1.7157	Ave		1.8244			8.0		15.0				
Acenaphthene	1.2707 1.1786	1.4655 1.2123	1.2381 1.1354	1.1920	1.1608	Ave		1.2317			8.4		15.0				
Fluorene	1.2542 1.2214	1.4999 1.2262	1.2559 1.3178	1.2218	1.2171	Ave		1.2768			7.5		15.0				
Pentachlorophenol		0.1402 0.2325	0.1269 0.2625	0.1236	0.1781	Qual	-1.467	0.1903	0					0.9980		0.9900	
Phenanthrene	1.2776 1.1751	1.4937 1.2103	1.2152 1.1285	1.1809	1.1438	Ave		1.2275			9.5		15.0				
Anthracene	1.2089 1.1853	1.4455 1.2477	1.1761 1.1698	1.1254	1.1254	Ave		1.2099			8.5		15.0				
Fluoranthene	1.3200 1.3274	1.5460 1.4174	1.3194 1.3161	1.2741	1.2715	Ave		1.3483			6.8		15.0				
Pyrene	1.4065 1.3831	1.6331 1.4738	1.3585 1.3466	1.3198	1.3081	Ave		1.4030			7.6		15.0				
Benzo[a]anthracene	1.0979 1.1172	1.2613 1.1315	1.0531 1.0734	1.0313	1.0470	Ave		1.1010			6.7		15.0				
Chrysene	1.1758 1.0756	1.4086 1.1113	1.1693 1.0175	1.1270	1.0617	Ave		1.1428			10.0		15.0				
Benzo[b]fluoranthene	1.3588 1.3061	1.6278 1.4032	1.3563 1.3843	1.3087	1.3287	Ave		1.3842			7.5		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Benzo[k]fluoranthene	1.3489 1.4293	1.5965 1.5045	1.3281 1.3393	1.3282	1.3409	Ave	1.4020				7.2		15.0				
Benzo[a]pyrene	1.1779 1.2520	1.3636 1.3423	1.1632 1.2860	1.1082	1.1889	Ave	1.2352				7.3		15.0				
Indeno[1,2,3-cd]pyrene	1.0798 1.1037	1.2680 1.2050	1.0447 1.1669	0.9745	1.1125	Ave	1.1194				8.3		15.0				
Dibenz(a,h)anthracene	1.1477 1.1535	1.2839 1.2368	1.1650 1.1749	1.0778	1.1938	Ave	1.1792				5.2		15.0				
Benzo[g,h,i]perylene	1.2404 1.1587	1.4209 1.2379	1.2371 1.1681	1.1204	1.2103	Ave	1.2242				7.4		15.0				
Nitrobenzene-d5	0.2949 0.3078	0.3757 0.3198	0.3067 0.3340	0.2834	0.2858	Ave	0.3135				9.7		15.0				
2-Fluorobiphenyl	1.5470 1.3881	1.7999 1.4324	1.4902 1.3390	1.4461	1.3714	Ave	1.4768				9.9		15.0				
2,4,6-Tribromophenol	0.2037 0.2356	0.2170 0.2566	0.1822 0.2893	0.1846	0.2052	Qual	-0.296	0.2187	0					0.9990		0.9900	
Terphenyl-d14	1.0397 1.0378	1.2350 1.1065	1.0272 1.0280	1.0031	1.0074	Ave	1.0601				7.3		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 580-110125/3	HP27815.D
Level 2	IC 580-110125/4	HP27816.D
Level 3	IC 580-110125/5	HP27817.D
Level 4	IC 580-110125/6	HP27818.D
Level 5	ICIS 580-110125/7	HP27819.D
Level 6	IC 580-110125/8	HP27820.D
Level 7	IC 580-110125/9	HP27821.D
Level 8	IC 580-110125/10	HP27822.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Naphthalene	NPT	Ave	2849 526496	6667 1072090	28484 2684550	55164	257995	5.00 1000	10.0 2000	50.0 5000	100	500
2-Methylnaphthalene	NPT	Ave	1761 304972	3991 622591	16005 1520695	32106	149594	5.00 1000	10.0 2000	50.0 5000	100	500
1-Methylnaphthalene	NPT	Ave	2039 301833	3837 618740	15685 1528334	31051	148418	5.00 1000	10.0 2000	50.0 5000	100	500
Acenaphthylene	ANT	Ave	2571 515994	6088 1067745	24816 2595885	50006	242319	5.00 1000	10.0 2000	50.0 5000	100	500
Acenaphthene	ANT	Ave	1856 334188	4129 685674	17263 1693739	34434	163940	5.00 1000	10.0 2000	50.0 5000	100	500
Fluorene	ANT	Ave	1832 346324	4226 693578	17511 1965794	35293	171891	5.00 1000	10.0 2000	50.0 5000	100	500
Pentachlorophenol	ANT	Qual	56922	395 131497	1770 391605	3570	25147	1000	10.0 2000	50.0 5000	100	500
Phenanthrene	PHN	Ave	2806 503131	6395 1016537	25815 2546197	52102	247239	5.00 1000	10.0 2000	50.0 5000	100	500
Anthracene	PHN	Ave	2655 507513	6189 1047978	24984 2639536	49655	243260	5.00 1000	10.0 2000	50.0 5000	100	500
Fluoranthene	PHN	Ave	2899 568358	6619 1190504	28029 2969613	56212	274832	5.00 1000	10.0 2000	50.0 5000	100	500
Pyrene	PHN	Ave	3089 592192	6992 1237813	28859 3038369	58229	282760	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[a]anthracene	CRY	Ave	2624 566855	5868 1174411	24429 2918750	50582	267204	5.00 1000	10.0 2000	50.0 5000	100	500
Chrysene	CRY	Ave	2810 545769	6553 1153508	27126 2766966	55272	270938	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[b]fluoranthene	PRY	Ave	2479 510819	5823 1104980	24492 2867529	48886	258574	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[k]fluoranthene	PRY	Ave	2461 559002	5711 1184758	23982 2774469	49615	260959	5.00 1000	10.0 2000	50.0 5000	100	500

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Seattle Job No.: 580-32844-1 Analy Batch No.: 110125

SDG No.: _____

Instrument ID: TAC023 GC Column: ZB-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2012 16:06 Calibration End Date: 04/26/2012 18:38 Calibration ID: 10810

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Benzo[a]pyrene	PRY	Ave	2149 489634	4878 1057001	21004 2663923	41395	231380	5.00 1000	10.0 2000	50.0 5000	100	500
Indeno[1,2,3-cd]pyrene	PRY	Ave	1970 431662	4536 948921	18865 2417283	36404	216495	5.00 1000	10.0 2000	50.0 5000	100	500
Dibenz(a,h)anthracene	PRY	Ave	2094 451123	4593 973945	21038 2433908	40262	232333	5.00 1000	10.0 2000	50.0 5000	100	500
Benzo[g,h,i]perylene	PRY	Ave	2263 453172	5083 974794	22340 2419736	41853	235538	5.00 1000	10.0 2000	50.0 5000	100	500
Nitrobenzene-d5	NPT	Ave	778 155476	1921 322573	7824 880358	14915	72453	4.92 984	9.84 1968	49.2 4920	98.4	492
2-Fluorobiphenyl	ANT	Ave	2228 388074	5000 798866	20487 1969505	41188	190975	4.93 986	9.86 1972	49.3 4930	98.6	493
2,4,6-Tribromophenol	ANT	Qual	293 65796	602 142900	2502 425037	5252	28539	4.92 985	9.85 1970	49.2 4924	98.5	492
Terphenyl-d14	PHN	Ave	2215 431031	5129 901504	21167 2249893	42931	211211	4.85 970	9.70 1940	48.5 4850	97.0	485

Curve Type Legend:

Ave = Average ISTD
Qual = Quadratic 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
 Lims ID: ic std 5.0ppb Client ID:
 Inject. Date: 26-Apr-2012 16:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: ic std 5.0ppb
 Misc. Info.: 580-0022916-003 =580-0022916-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 110125 Lims Sample ID: 3
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:30 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20045	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51051	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28629	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43046	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	46891	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	36088	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	778	4.63	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	2228	5.16	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	293	5.94	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	2215	4.75	
26 Naphthalene	128	4.882	4.882	0.0	0	2849	4.97	M
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	1761	5.26	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	2039	6.06	
31 Acenaphthylene	152	6.178	6.178	0.0	1	2571	4.82	
29 Acenaphthene	153	6.316	6.316	0.0	4	1856	5.16	
32 Fluorene	166	6.738	6.751	-0.013	1	1832	4.91	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	585	17.4	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2806	5.20	
38 Anthracene	178	7.577	7.577	0.0	1	2655	4.99	
42 Fluoranthene	202	8.514	8.514	0.0	1	2899	4.89	
41 Pyrene	202	8.705	8.705	0.0	39	3089	5.01	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	2624	4.98	
43 Chrysene	228	9.767	9.767	0.0	1	2810	5.14	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	2479	4.91	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	2461	4.81	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	2149	4.77	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	1970	4.82	M
49 Dibenz(a,h)anthracene	278	13.275	13.267	0.008	1	2094	4.87	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	2263	5.07	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 02-May-2012 11:56:30

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

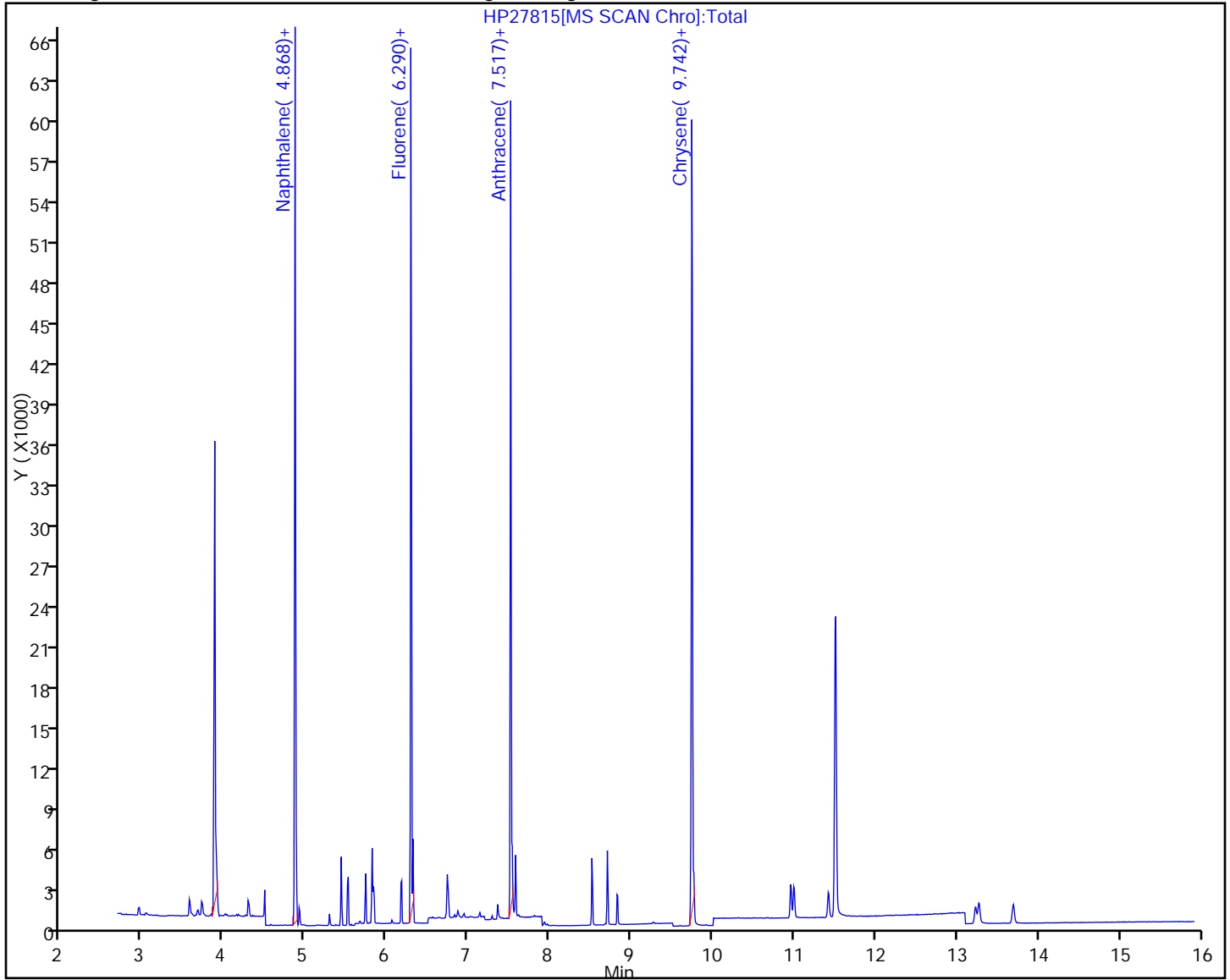
Lims Batch ID: 110125

Lims Sample ID: 3

Operator ID: bat

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D

Injection Date: 26-Apr-2012 16:06:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 3

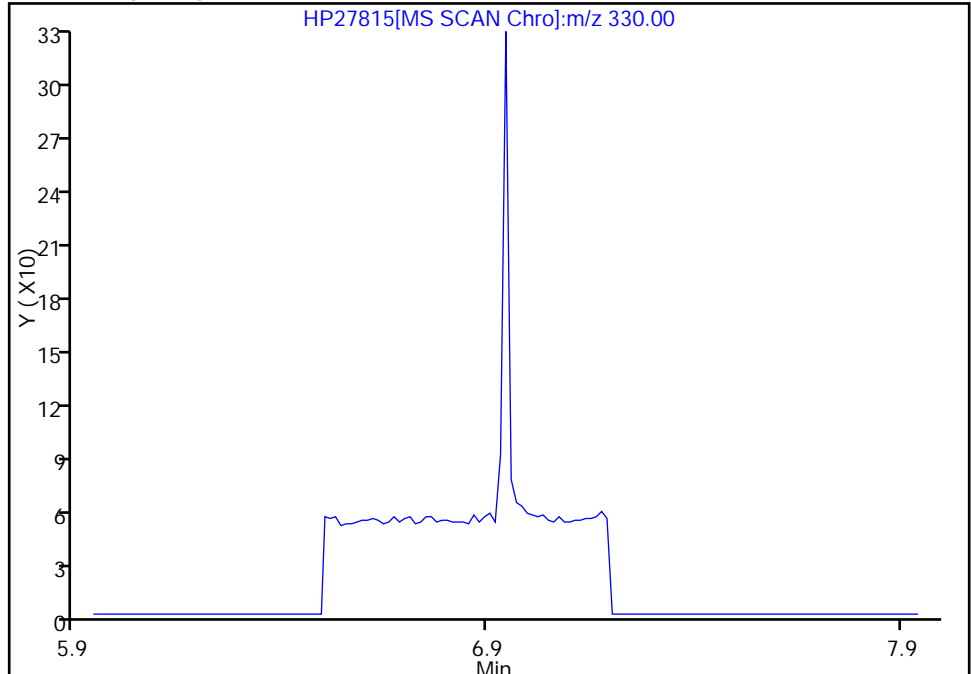
Operator ID: bat

Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

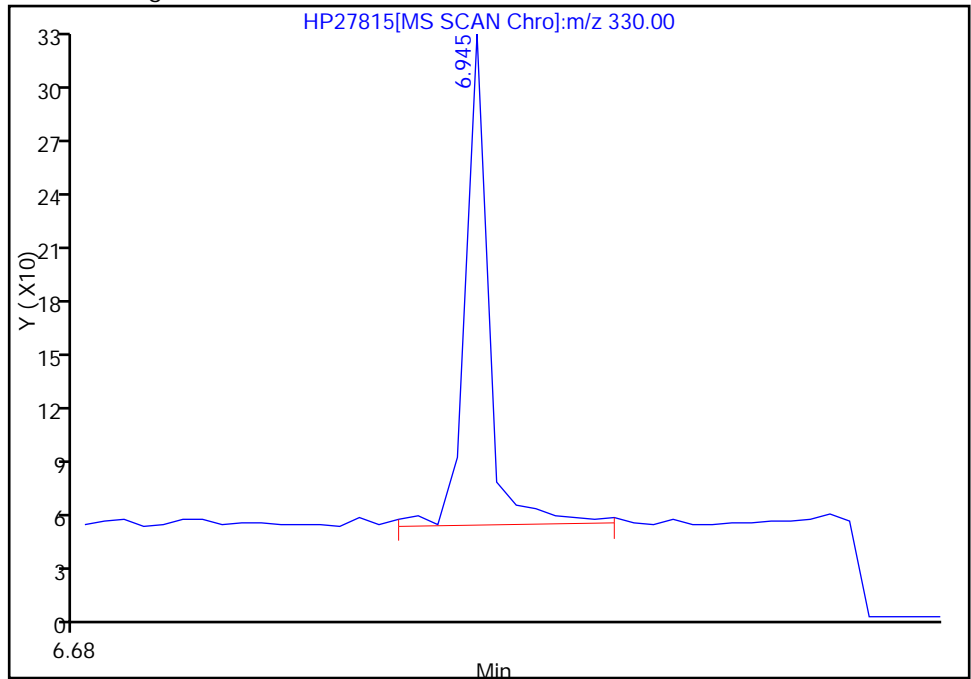
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 293
Amount: 5.936334

Manual Integration Results



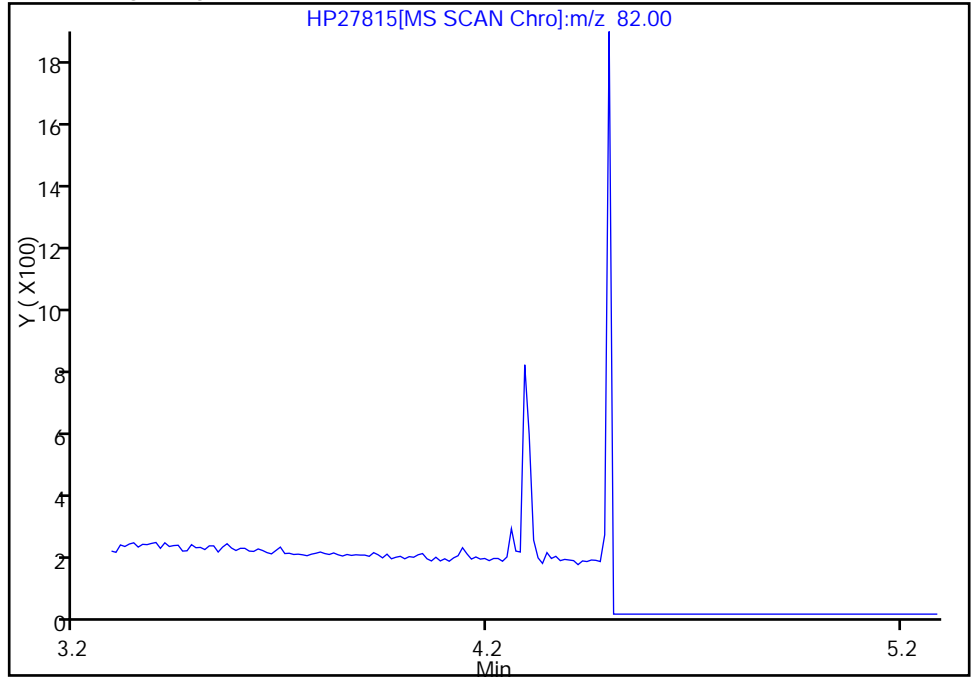
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

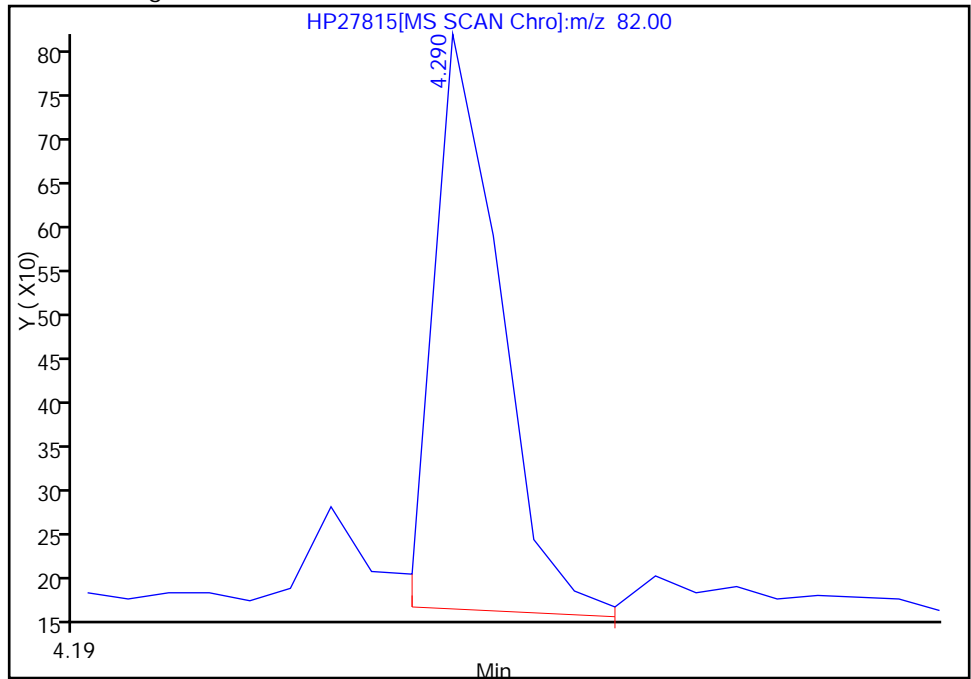
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 778
Amount: 4.627612

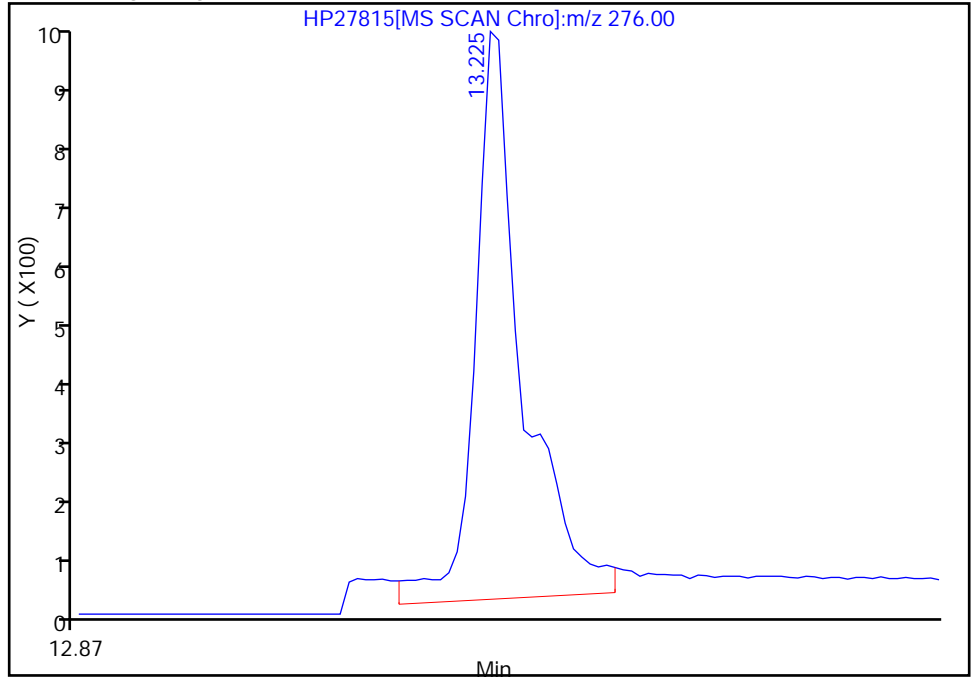
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

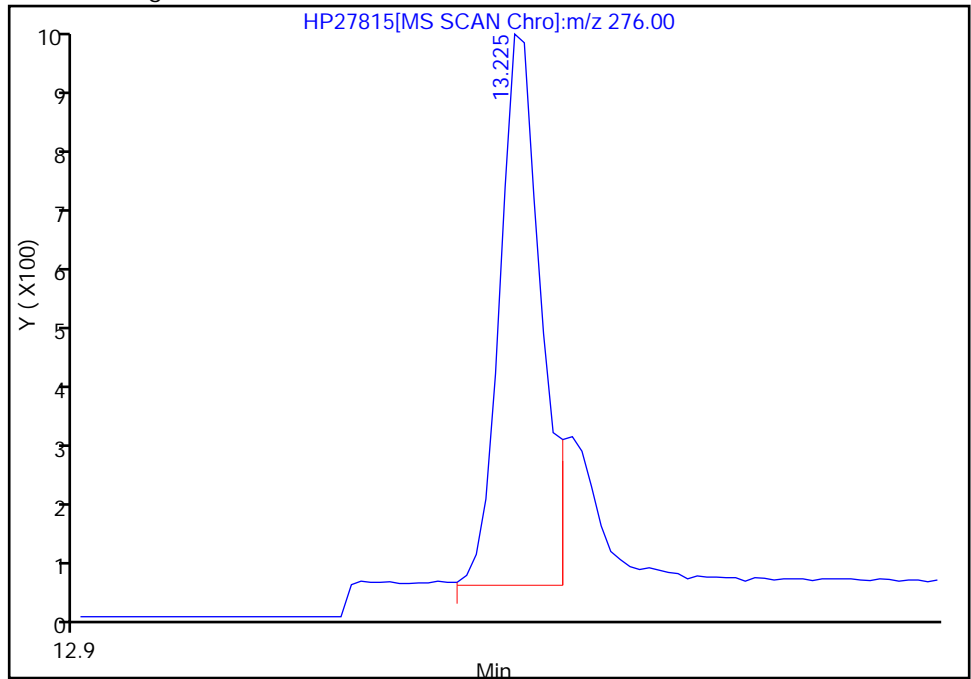
RT: 13.22
Response: 2742
Amount: 7.739588

Processing Integration Results



RT: 13.22
Response: 1970
Amount: 4.822989

Manual Integration Results



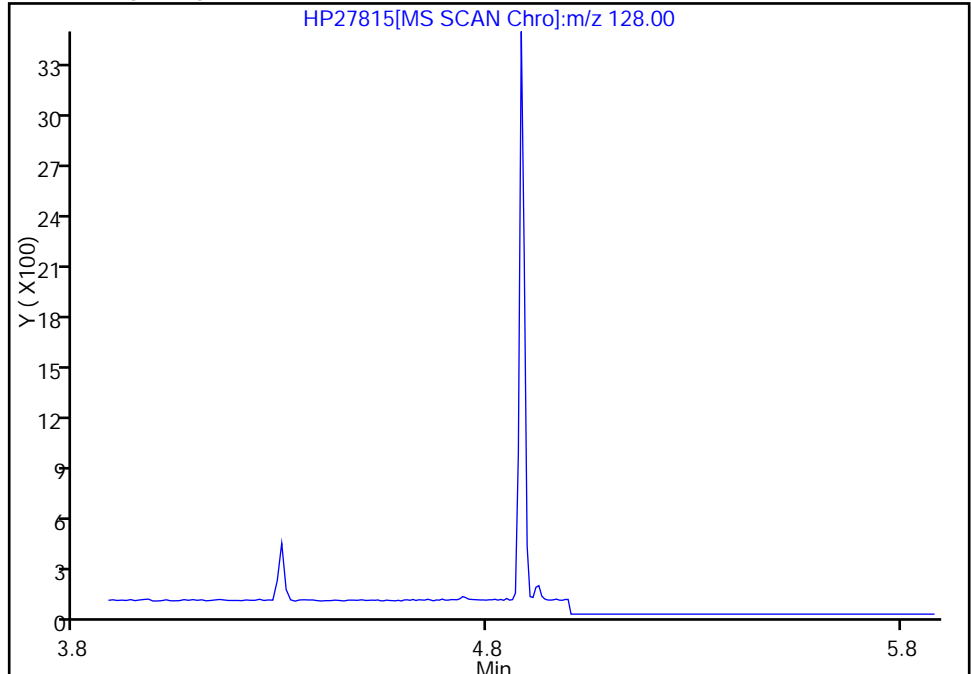
Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27815.D
Injection Date: 26-Apr-2012 16:06:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 3
Operator ID: bat Injection Vol: 1.00 ul

26 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.88

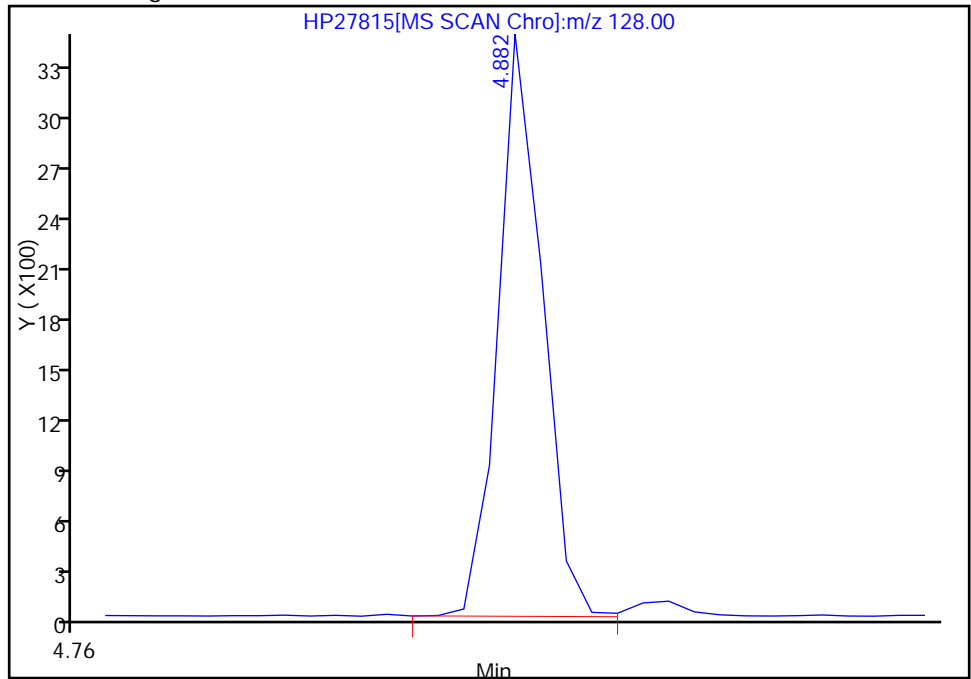
Not Detected
Expected RT: 4.88

Processing Integration Results



RT: 4.88
Response: 2849
Amount: 4.970531

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
 Lims ID: ic std 10.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:28:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: ic std 10.0 ppb
 Misc. Info.: 580-0022916-004 =580-0022916-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 110125 Lims Sample ID: 4
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:10:54 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:56:47

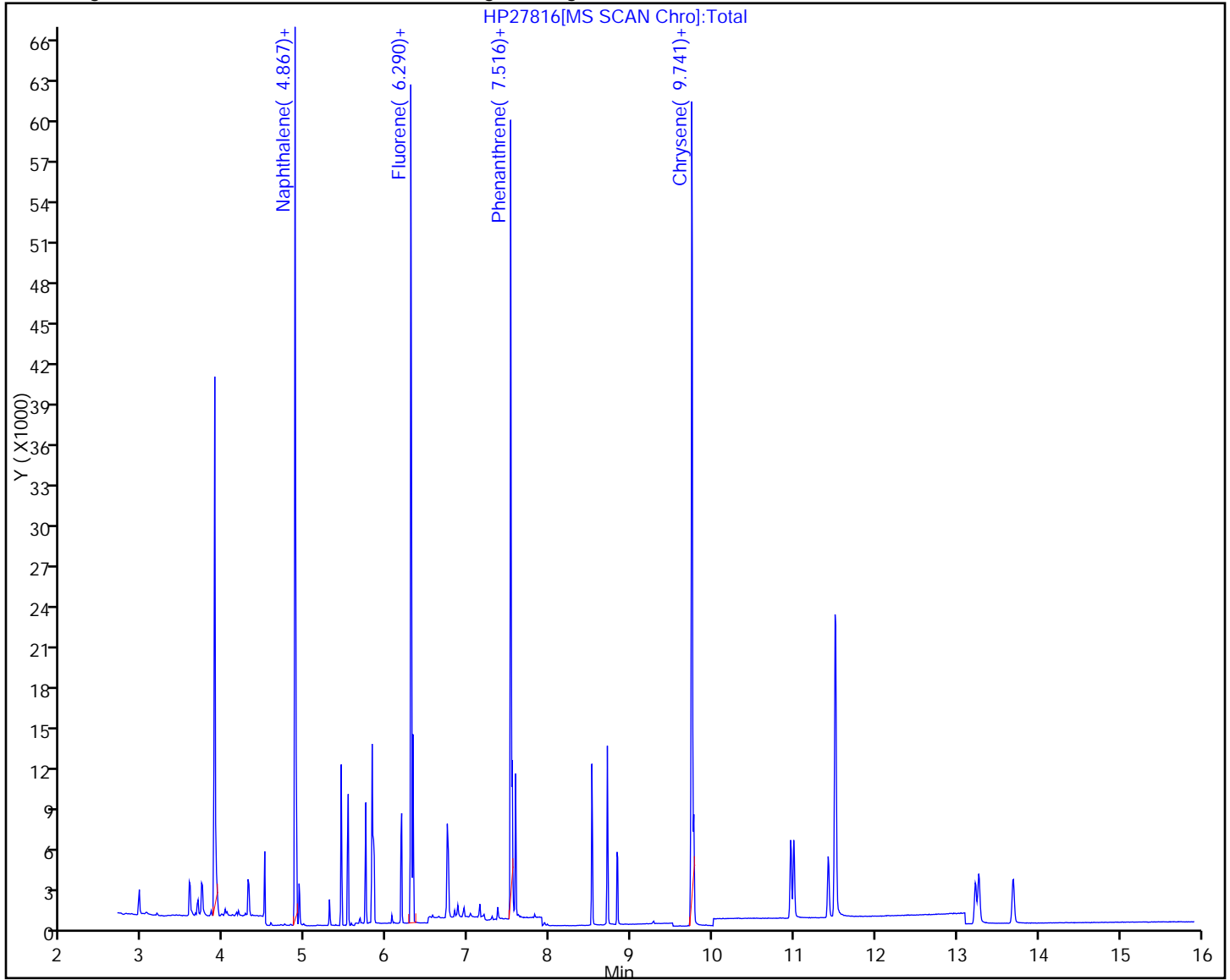
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	19771	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	49469	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27611	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41958	98.0	
* 5 Chrysene-d12	240	9.741	9.742	-0.001	1	45638	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	35379	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	1921	11.8	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	5000	12.0	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	602	11.1	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	5129	11.3	
26 Naphthalene	128	4.882	4.882	0.0	1	6667	12.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	3991	12.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	3837	11.8	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	6088	11.8	
29 Acenaphthene	153	6.315	6.316	-0.001	5	4129	11.9	
32 Fluorene	166	6.751	6.751	0.0	1	4226	11.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	395	14.2	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	6395	12.2	
38 Anthracene	178	7.577	7.577	0.0	1	6189	11.9	
42 Fluoranthene	202	8.514	8.514	0.0	1	6619	11.5	
41 Pyrene	202	8.704	8.705	-0.001	39	6992	11.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	5868	11.5	
43 Chrysene	228	9.767	9.767	0.0	1	6553	12.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	5823	11.8	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	5711	11.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	4878	11.0	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	4536	11.3	M
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	4593	10.9	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	5083	11.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

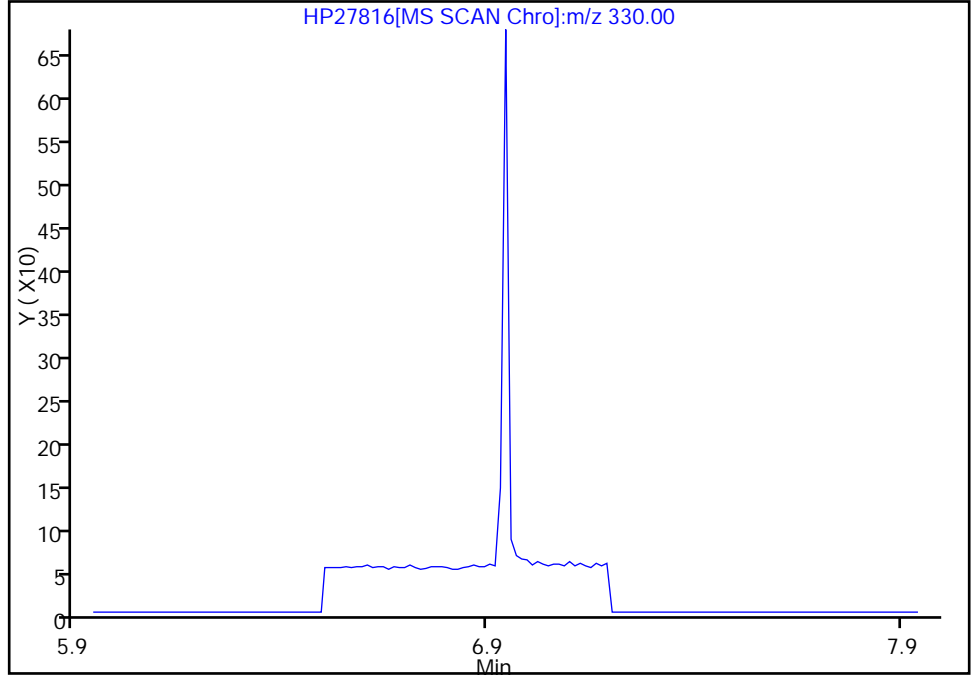


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

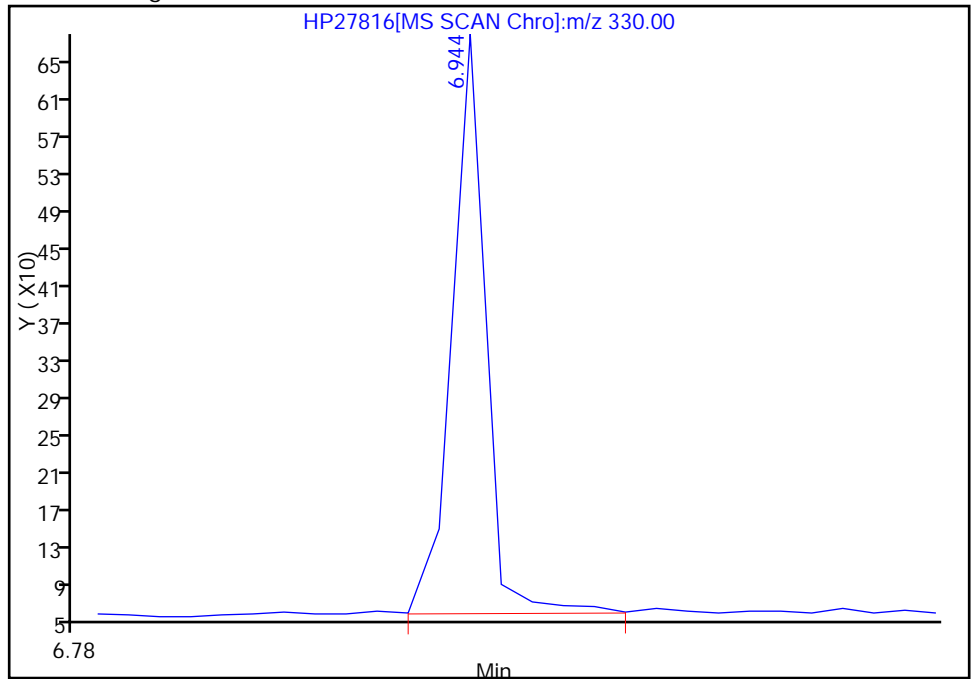
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 602
Amount: 11.114144

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D

Injection Date: 26-Apr-2012 16:28:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 110125

Lims Sample ID: 4

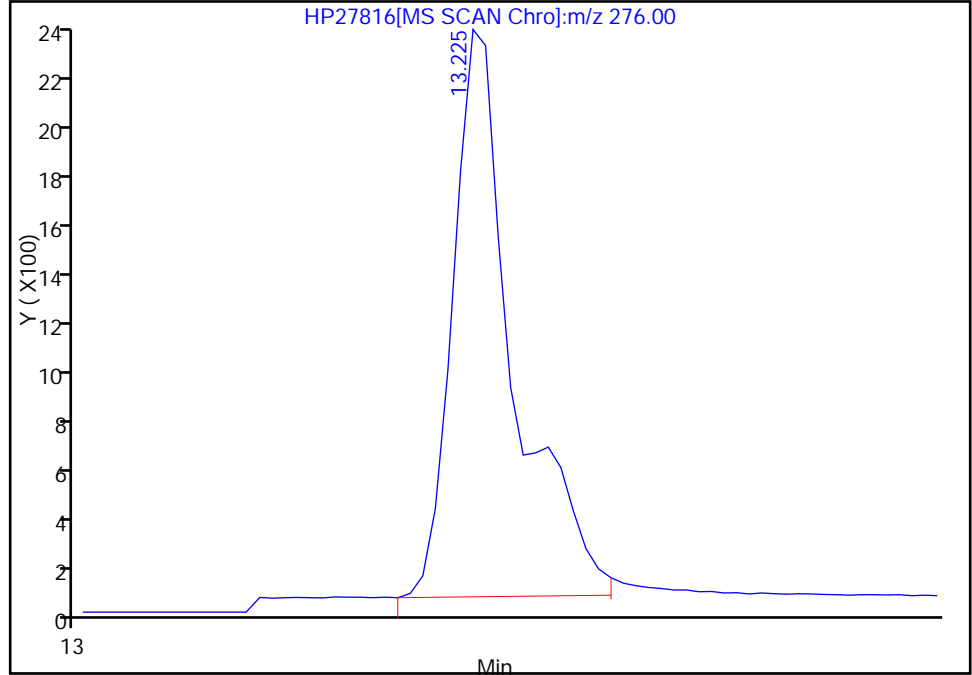
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

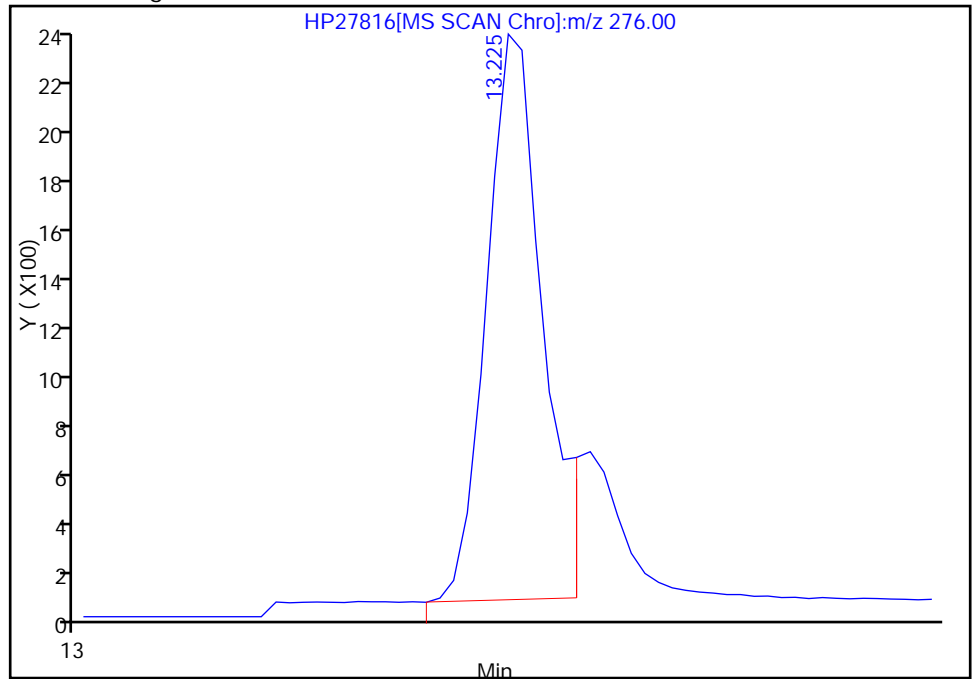
RT: 13.22
Response: 5447
Amount: 16.145845

Processing Integration Results



RT: 13.22
Response: 4536
Amount: 11.327664

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:09:16

Audit Action: Manually Integrated

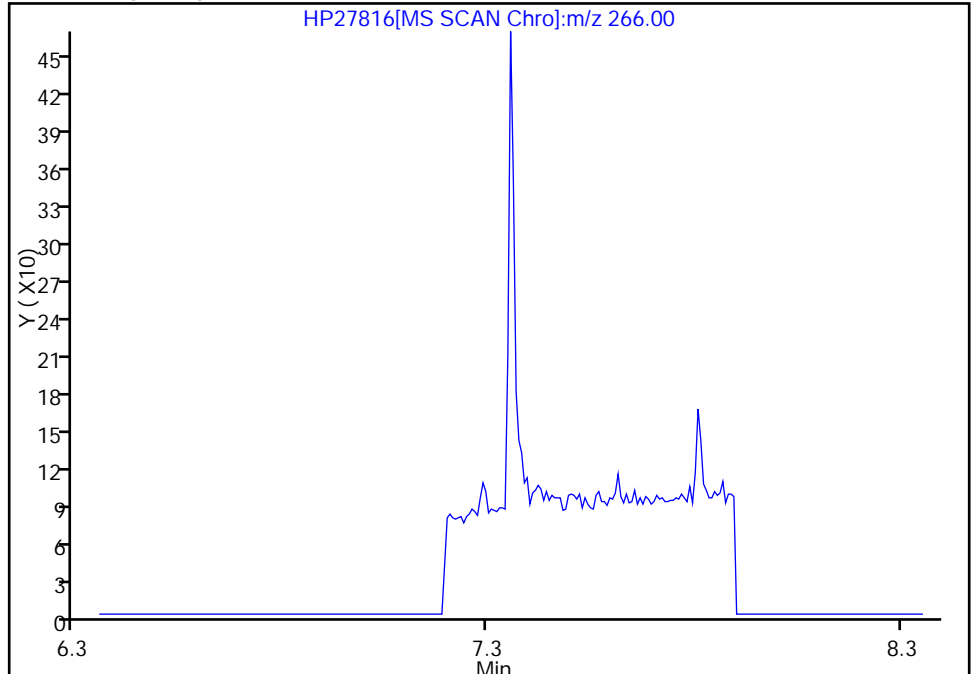
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

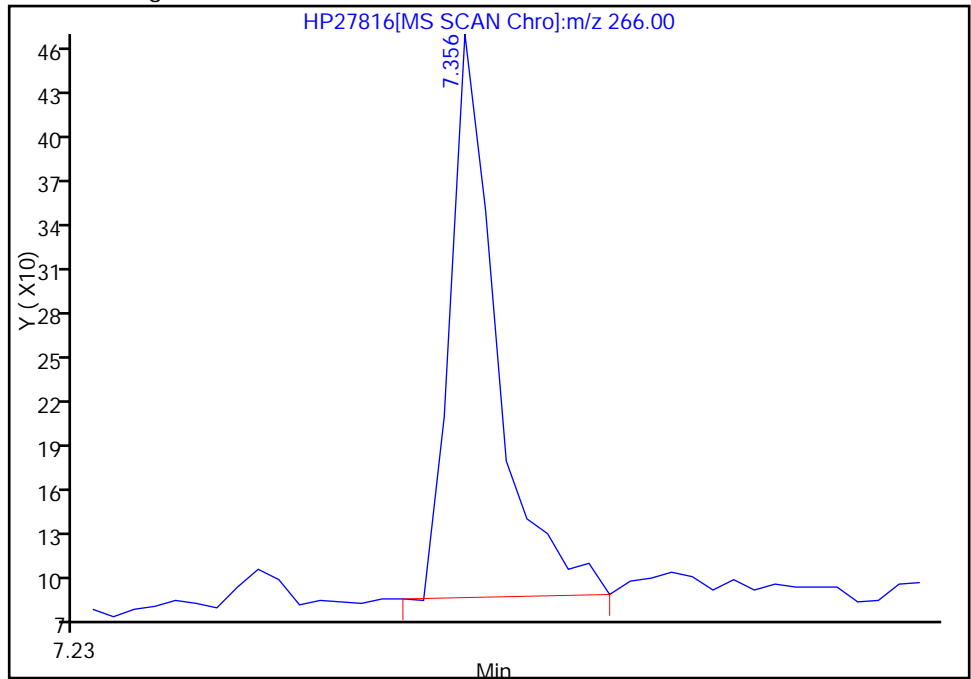
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 395
Amount: 14.153173



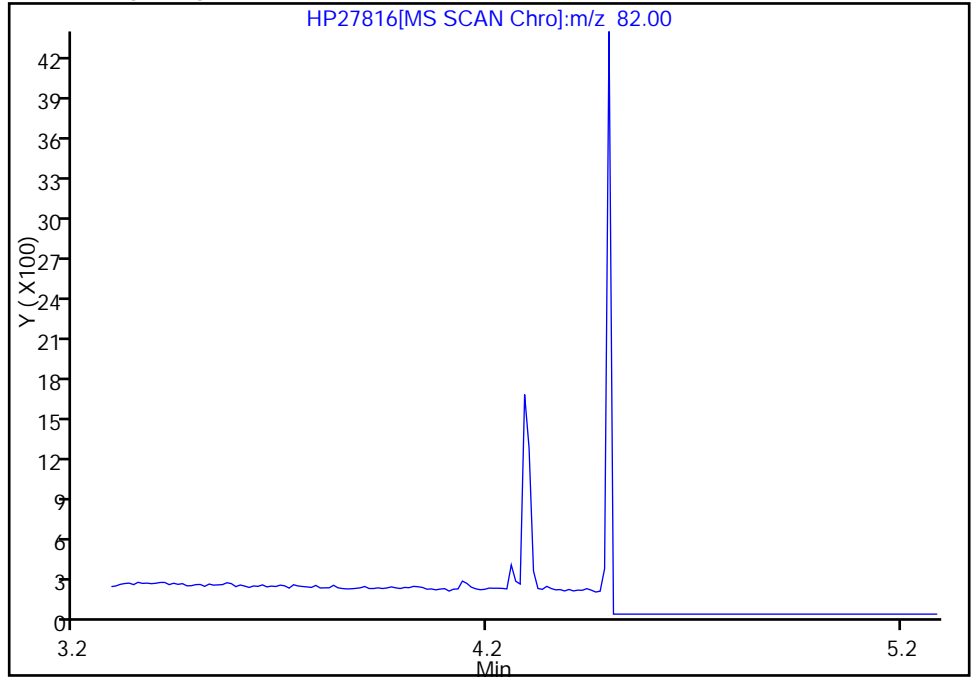
Reviewer: tadesseb, 02-May-2012 12:10:54
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27816.D
Injection Date: 26-Apr-2012 16:28:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 4
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

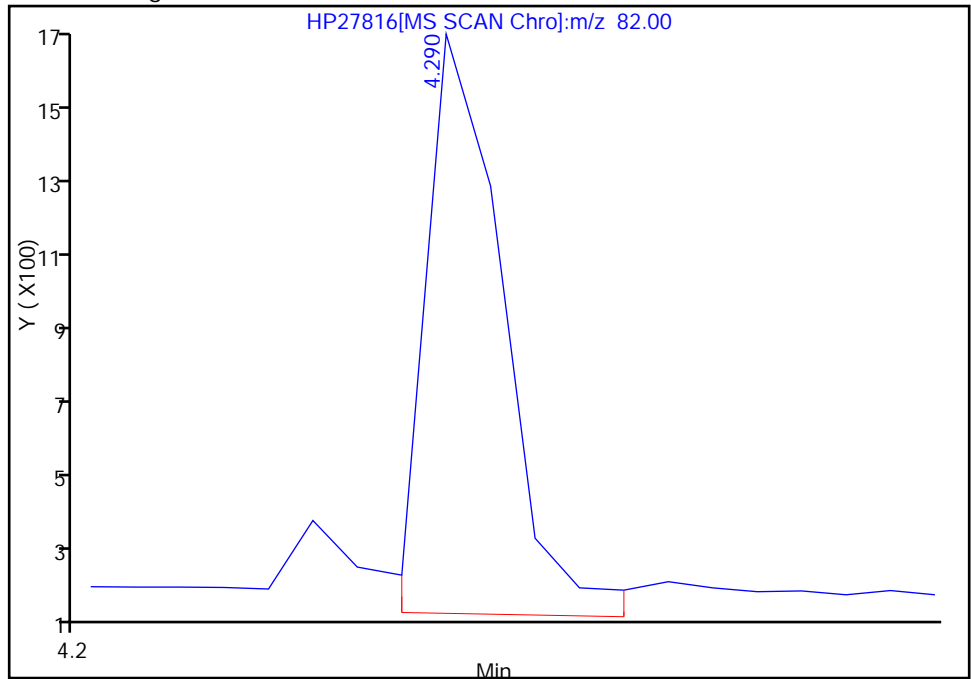
Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results

RT: 4.29
Response: 1921
Amount: 11.791683



Reviewer: tadesseb, 26-Apr-2012 18:09:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
 Lims ID: ic std 50.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 16:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: ic std 50.0 ppb
 Misc. Info.: 580-0022916-005 =580-0022916-005
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 110125 Lims Sample ID: 5
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:11:27 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:57:41

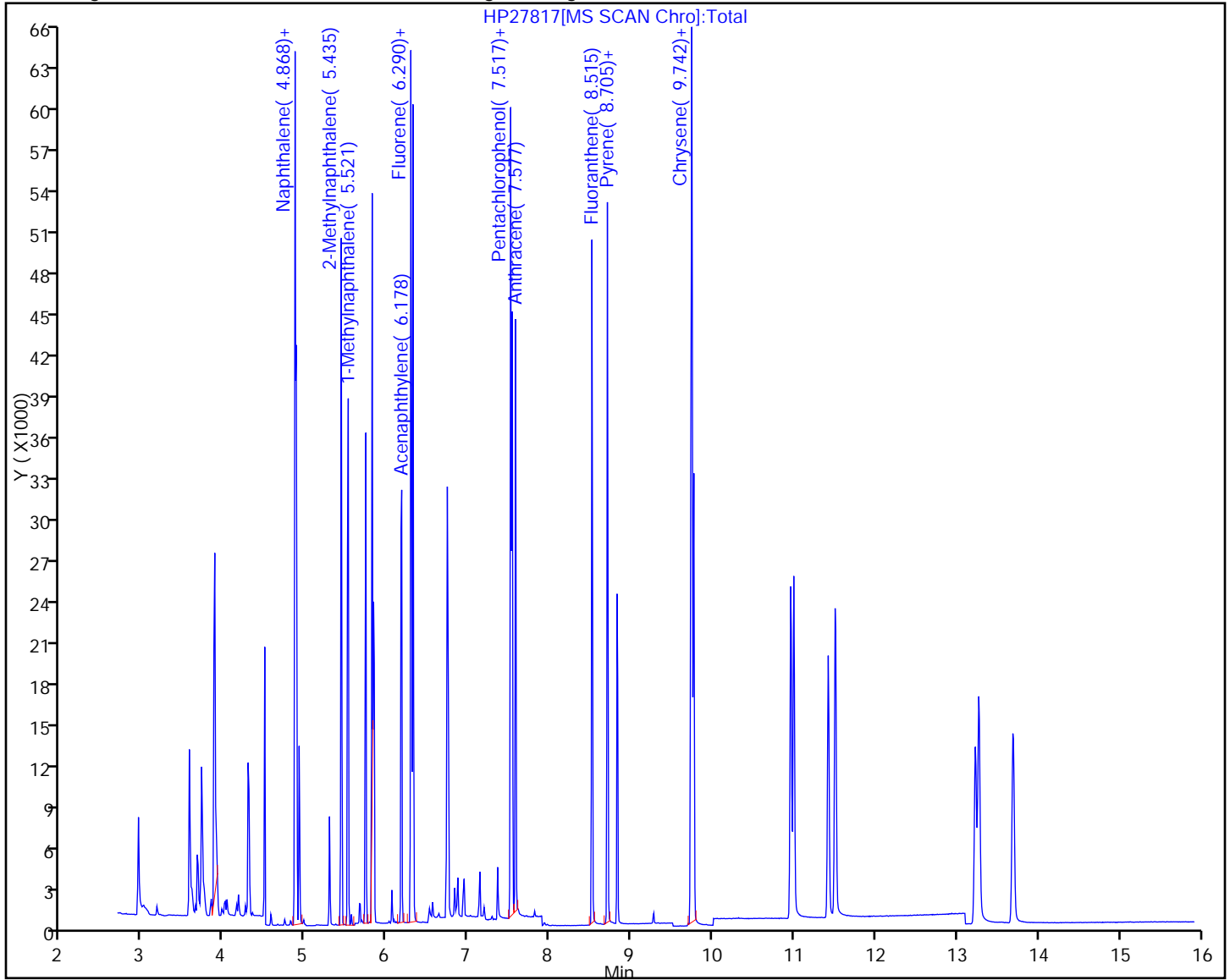
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	20457	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49358	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27328	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41637	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	45515	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	35718	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	7824	48.1	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	20487	49.7	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	2502	42.3	M
\$ 12 Terphenyl-d14	244	8.824	8.823	0.001	1	21167	47.0	
26 Naphthalene	128	4.882	4.882	0.0	1	28484	51.4	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	16005	49.5	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	15685	48.2	
31 Acenaphthylene	152	6.178	6.178	0.0	1	24816	48.8	
29 Acenaphthene	153	6.316	6.316	0.0	4	17263	50.3	
32 Fluorene	166	6.738	6.751	-0.013	1	17511	49.2	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	1770	40.9	M
37 Phenanthrene	178	7.537	7.537	0.0	1	25815	49.5	
38 Anthracene	178	7.577	7.577	0.0	1	24984	48.6	
42 Fluoranthene	202	8.515	8.514	0.0	1	28029	48.9	
41 Pyrene	202	8.705	8.705	0.0	39	28859	48.4	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	24429	47.8	
43 Chrysene	228	9.767	9.767	0.0	1	27126	51.1	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	24492	49.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	23982	47.4	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	21004	47.1	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	18865	46.7	M
49 Dibenz(a,h)anthracene	278	13.268	13.267	0.001	1	21038	49.4	
51 Benzo[g,h,i]perylene	276	13.686	13.693	-0.007	1	22340	50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

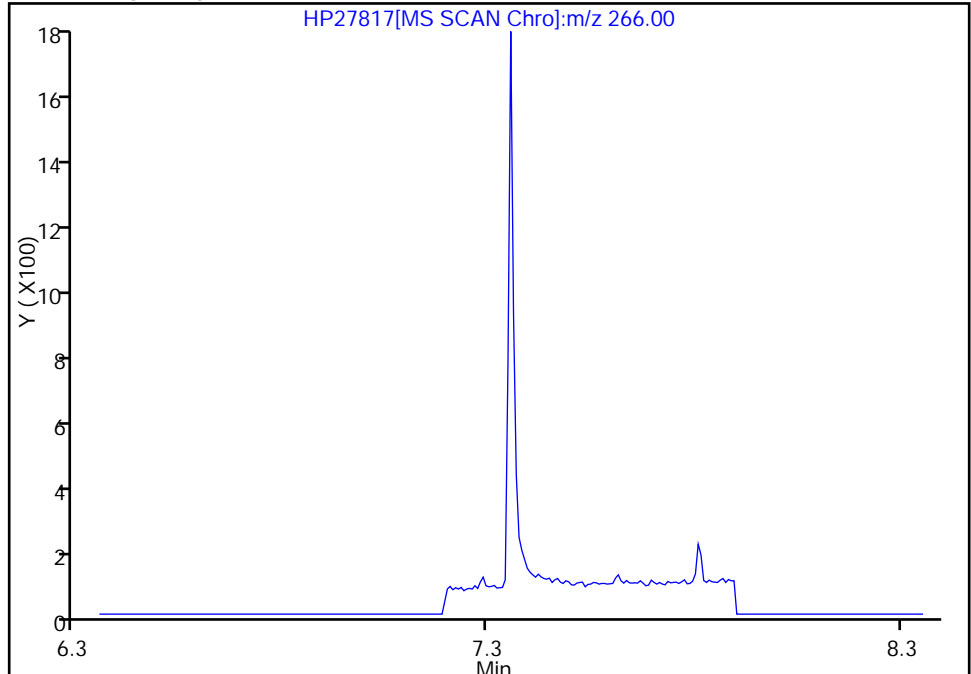


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

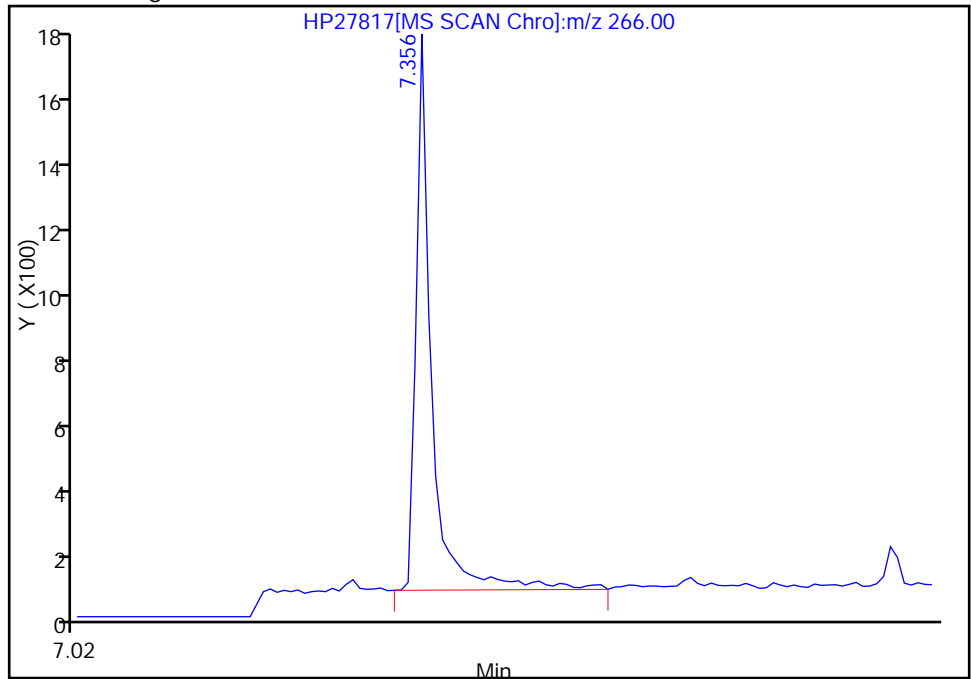
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 1770
Amount: 40.886105



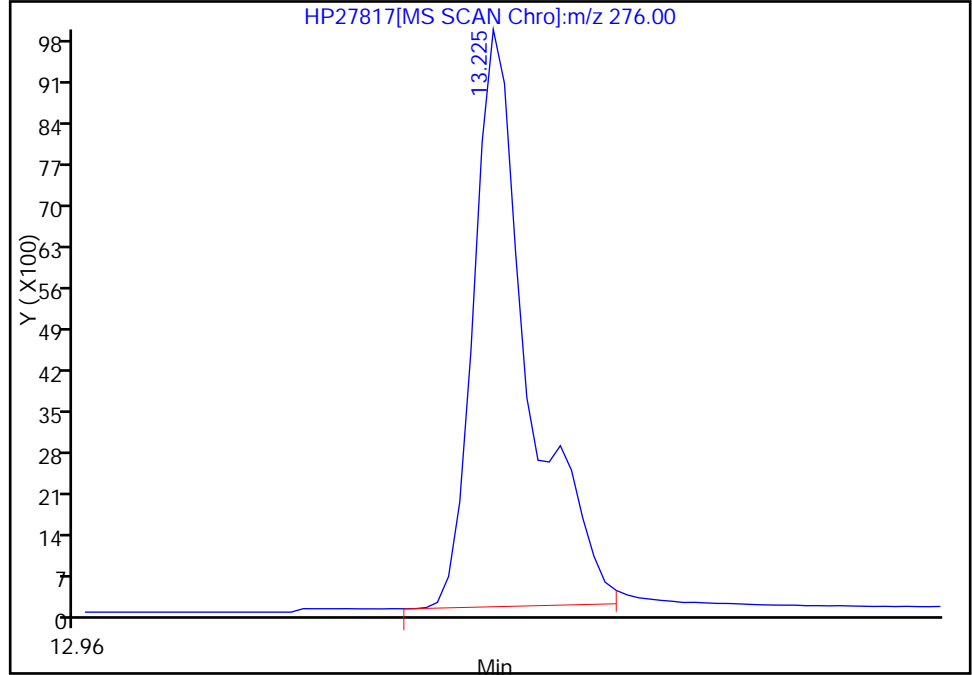
Reviewer: tadesseb, 02-May-2012 12:11:27
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

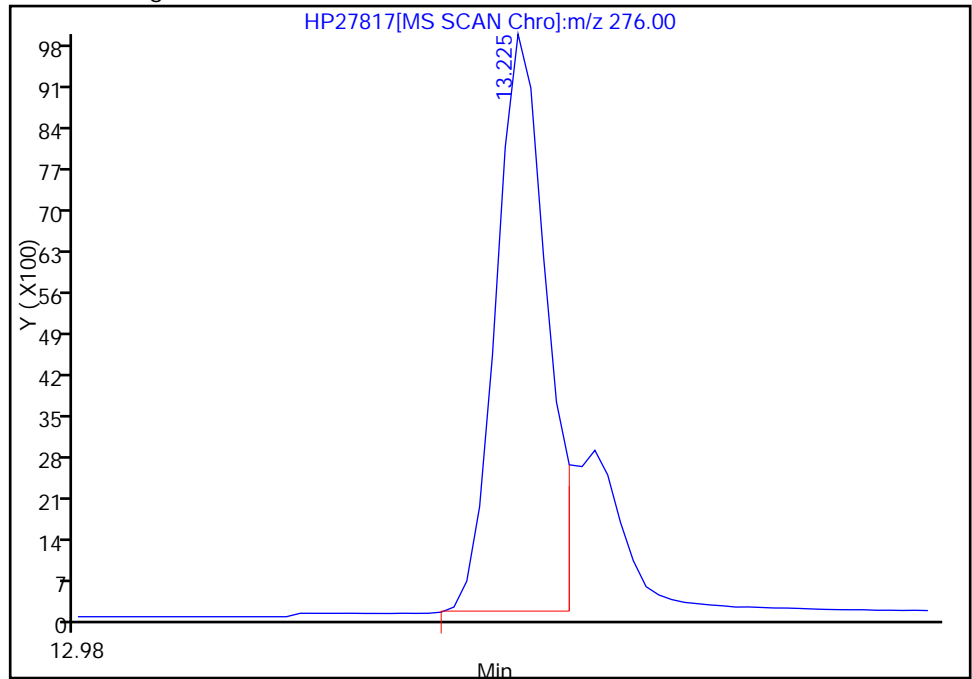
RT: 13.22
Response: 23805
Amount: 67.446781

Processing Integration Results



RT: 13.22
Response: 18865
Amount: 46.664064

Manual Integration Results



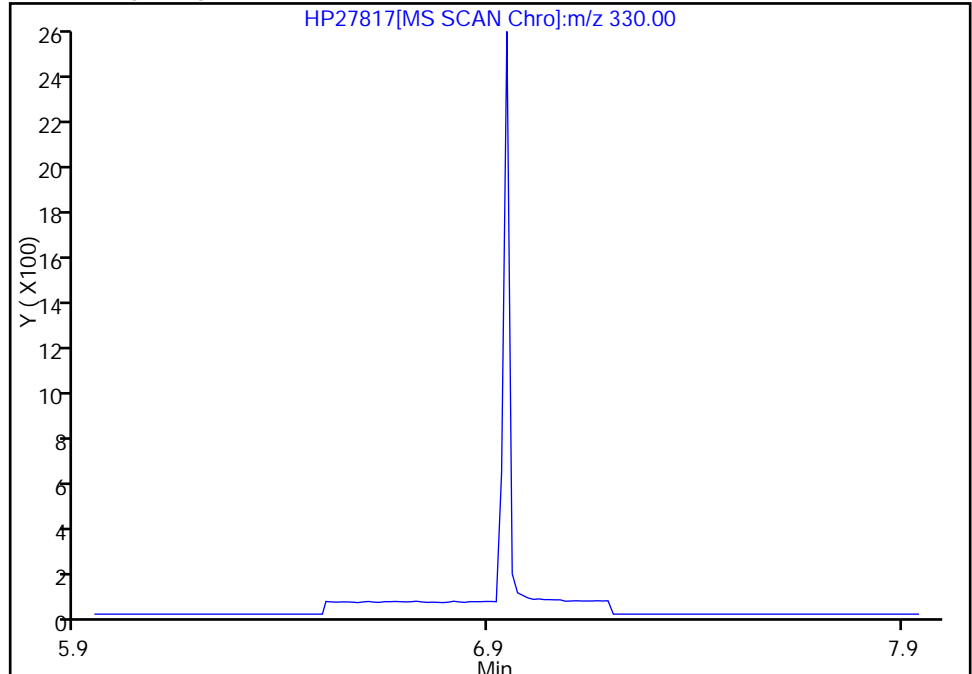
Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27817.D
Injection Date: 26-Apr-2012 16:50:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 5
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

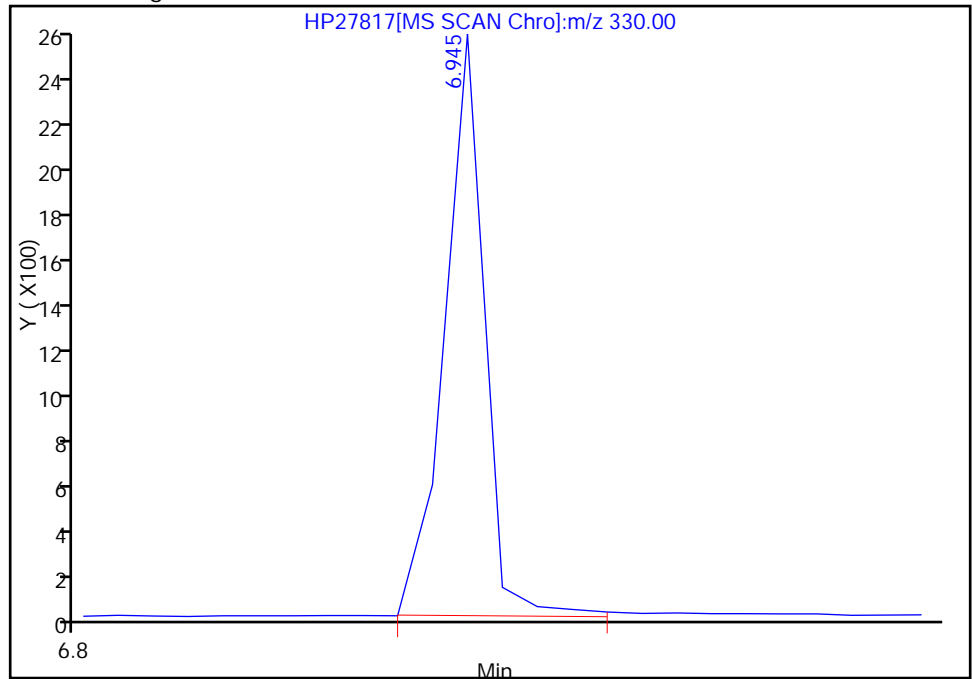
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 2502
Amount: 42.257750

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:08:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
 Lims ID: ic std 100.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:11:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: ic std 100.0 ppb
 Misc. Info.: 580-0022916-006 =580-0022916-006
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 110125 Lims Sample ID: 6
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:09 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:00

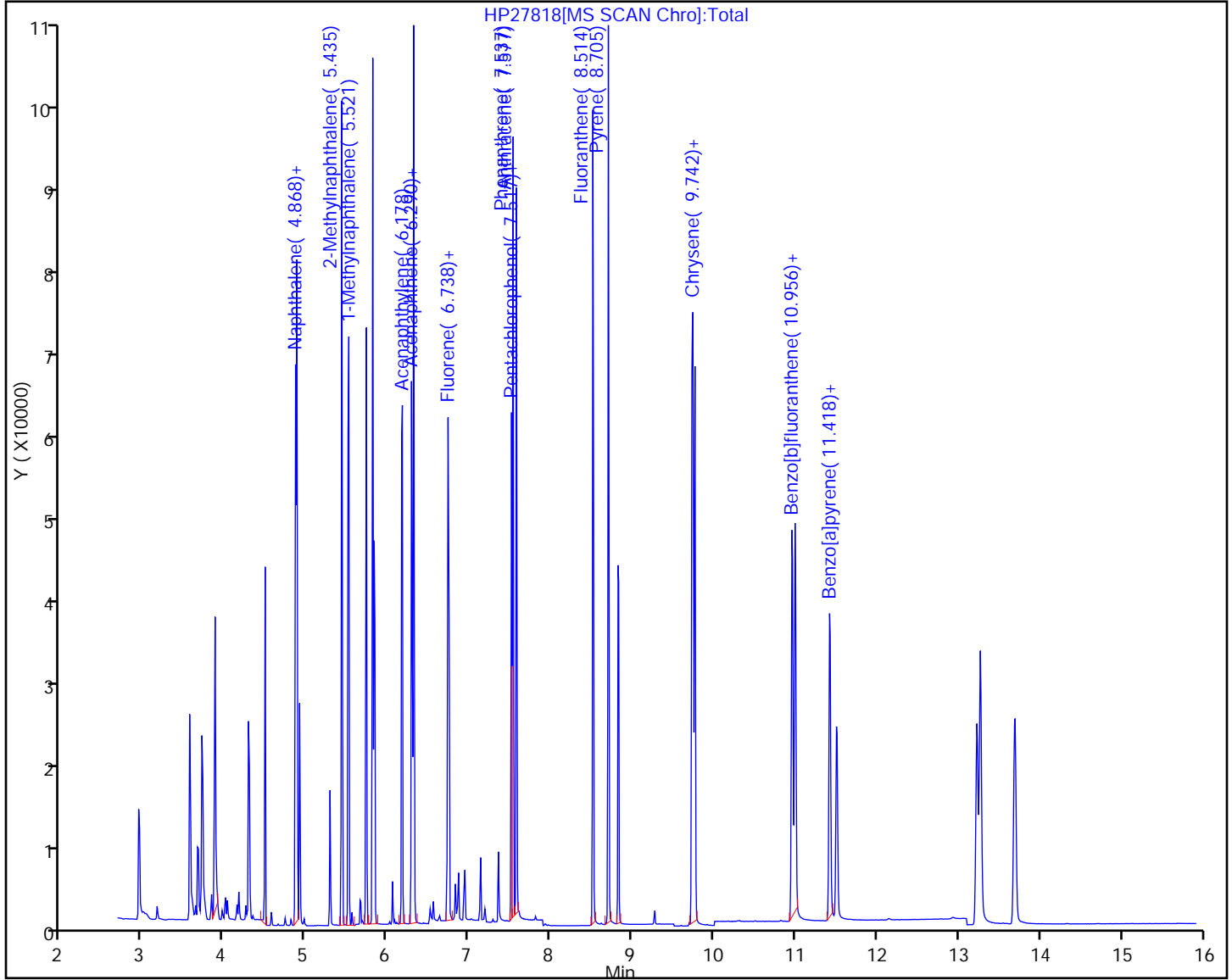
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	21949	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	50922	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	28309	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	43238	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	48113	98.1	
* 6 Perylene-d12	264	11.503	11.503	-0.001	1	36944	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	14915	88.9	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	41188	96.6	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	-0.001	0	5252	84.0	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	42931	91.7	
26 Naphthalene	128	4.882	4.882	0.0	1	55164	96.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	32106	96.2	
28 1-Methylnaphthalene	141	5.511	5.521	-0.010	1	31051	92.5	
31 Acenaphthylene	152	6.178	6.178	0.0	1	50006	94.9	
29 Acenaphthene	153	6.316	6.316	0.0	5	34434	96.8	
32 Fluorene	166	6.738	6.751	-0.013	1	35293	95.7	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	3570	71.8	M
37 Phenanthrene	178	7.537	7.537	0.0	1	52102	96.2	
38 Anthracene	178	7.577	7.577	0.0	1	49655	93.0	
42 Fluoranthene	202	8.514	8.514	0.0	1	56212	94.4	
41 Pyrene	202	8.705	8.705	0.0	39	58229	94.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	50582	93.6	
43 Chrysene	228	9.767	9.767	0.0	1	55272	98.6	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	48886	94.5	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	49615	94.7	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	41395	89.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	36404	87.1	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	40262	91.4	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	41853	91.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

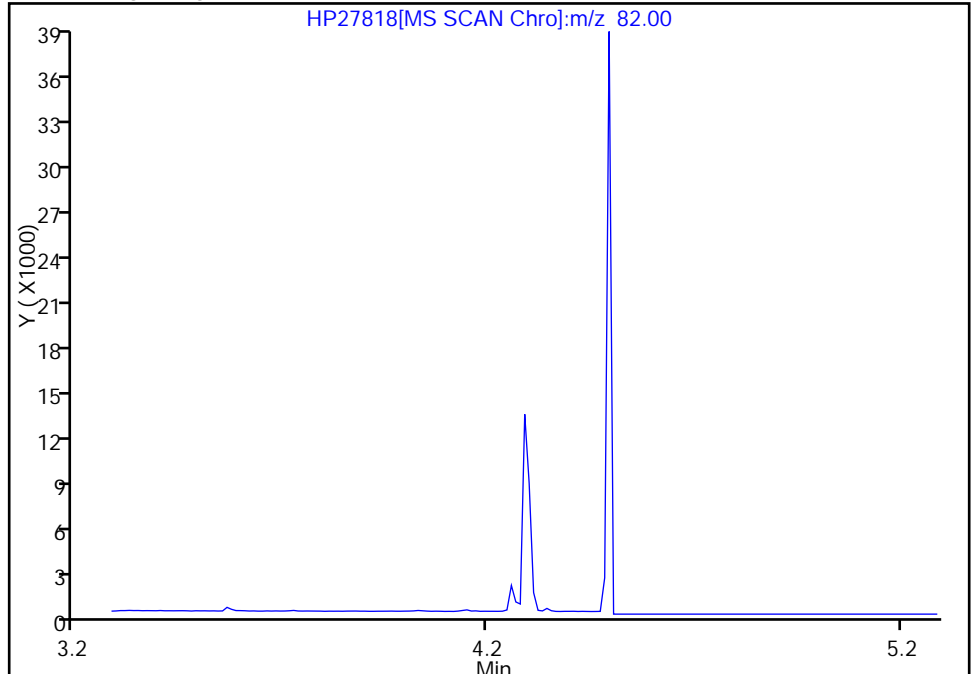


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

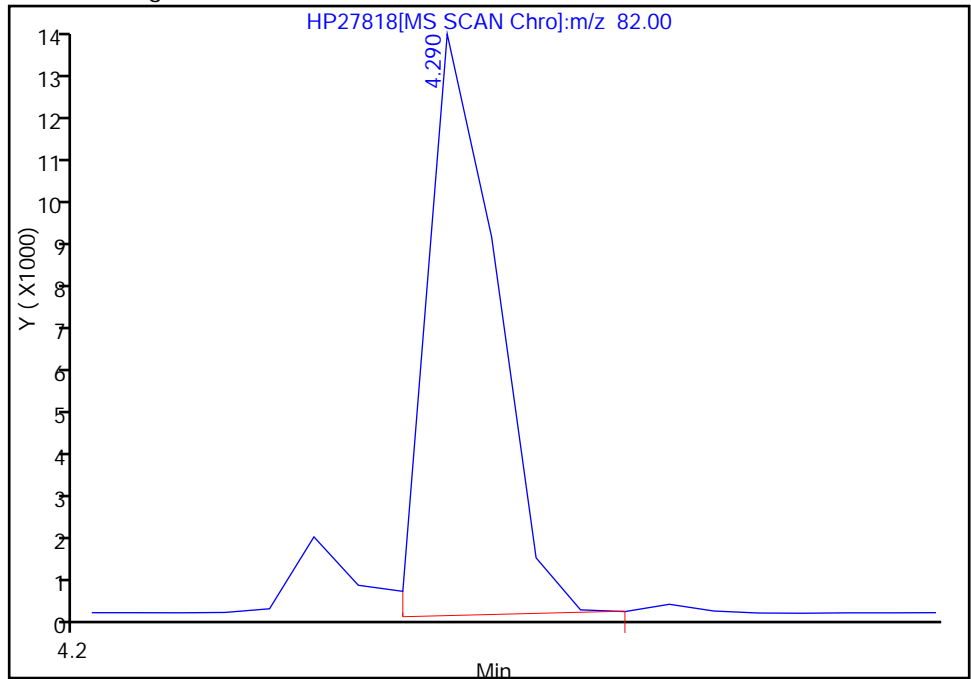
\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 14915
Amount: 88.940460

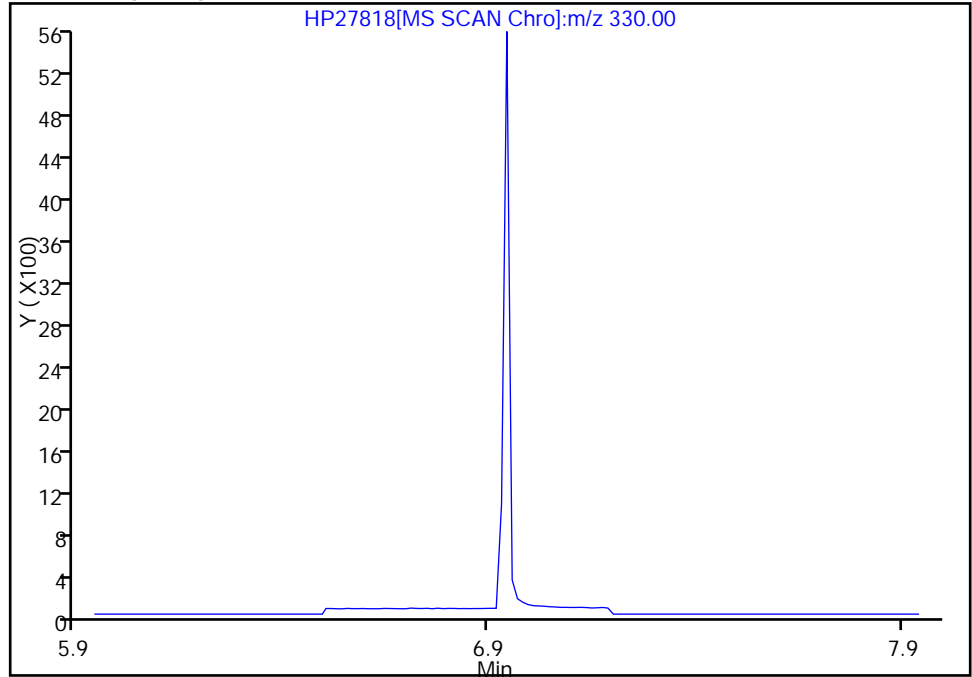
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

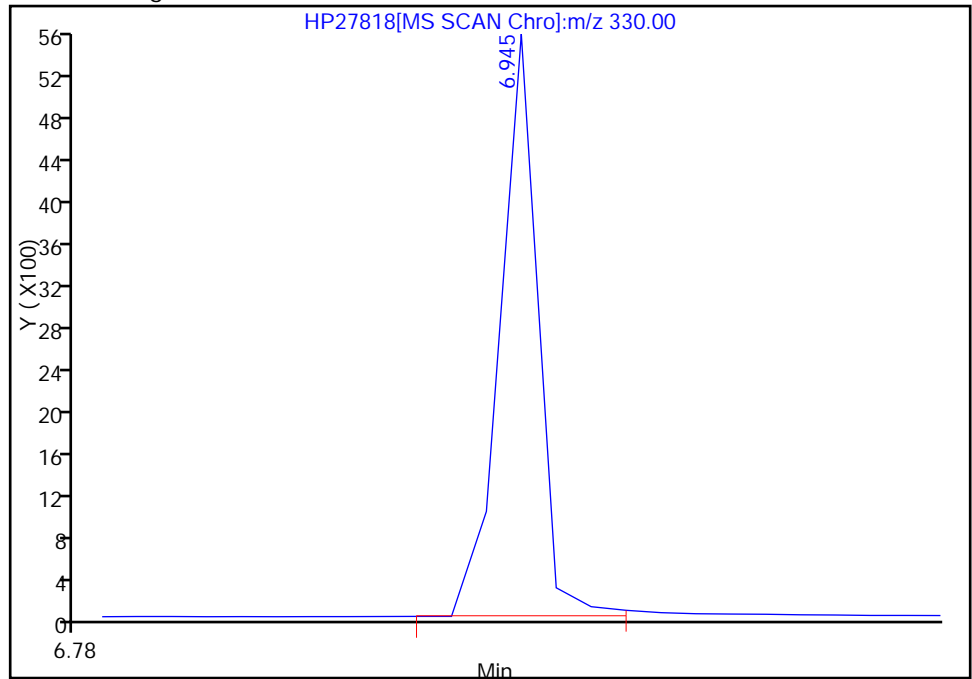
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 5252
Amount: 84.011604

Manual Integration Results



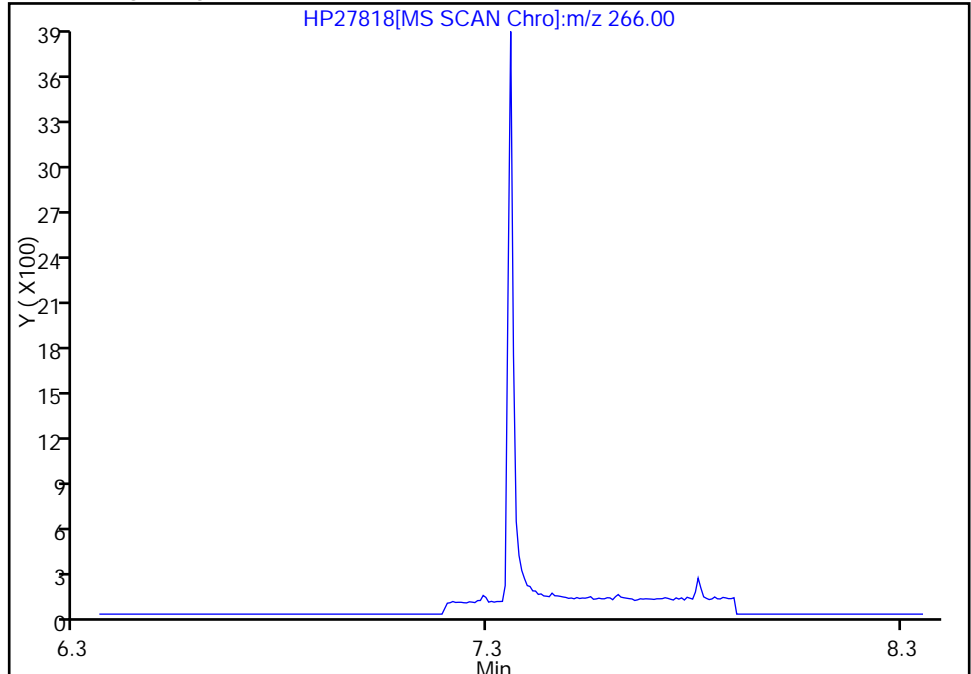
Reviewer: tadesseb, 26-Apr-2012 18:07:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27818.D
Injection Date: 26-Apr-2012 17:11:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 6
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

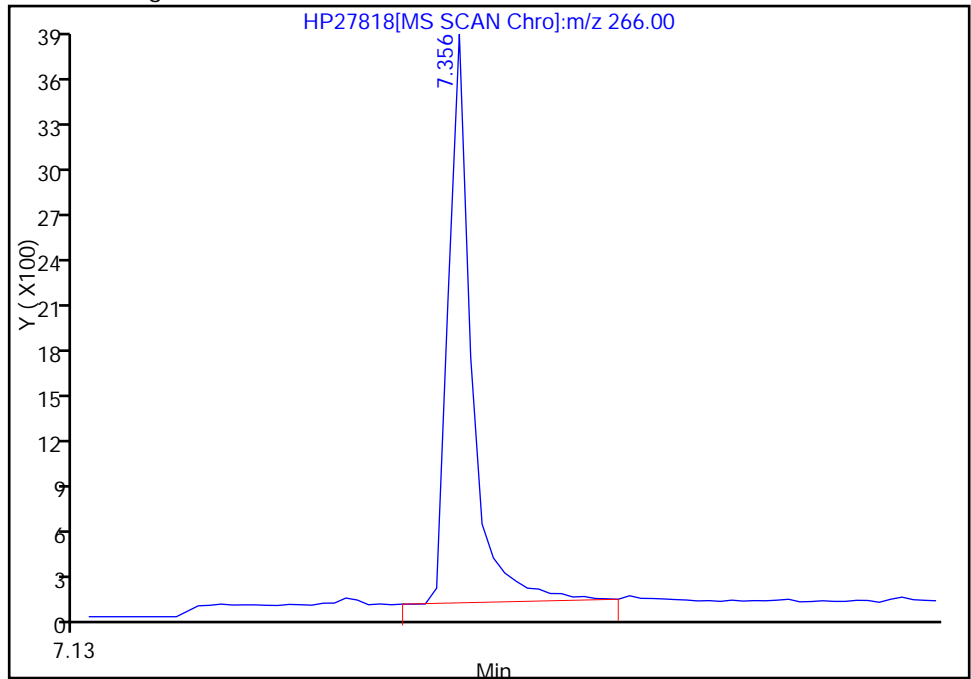
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 3570
Amount: 71.822668

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:12:09
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
 Lims ID: icis std 500.0 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:33:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 5
 Sample ID: icis std 500.0 ppb
 Misc. Info.: 580-0022916-007 =580-0022916-007
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 110125 Lims Sample ID: 7
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 12:12:46 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:27

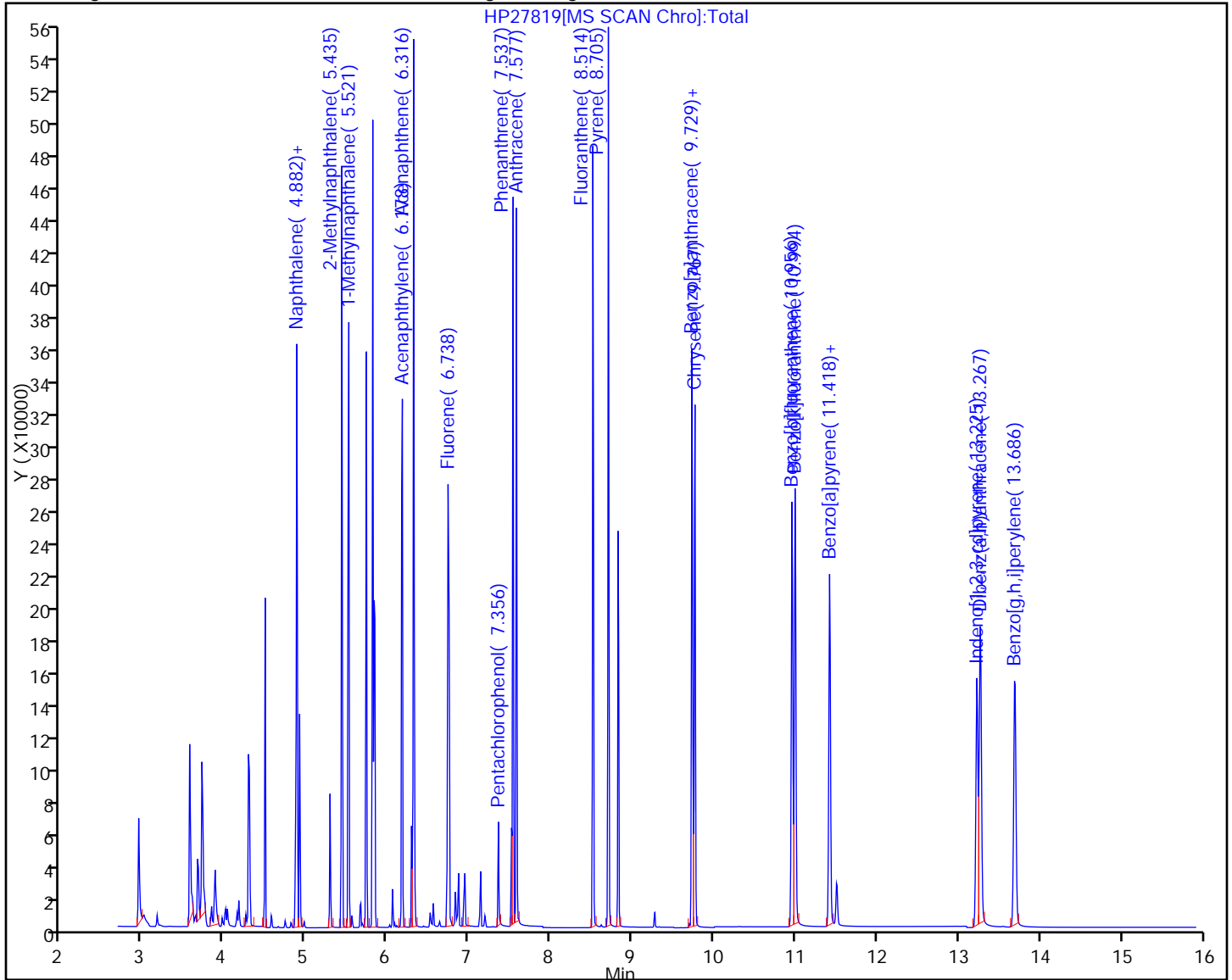
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.881	3.881	0.0	1	30839	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	49046	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27682	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	42366	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	50070	98.1	
* 6 Perylene-d12	264	11.503	11.503	0.0	1	38494	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	72453	448.6	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	190975	457.8	
\$ 51 2,4,6-Tribromophenol	330	6.945	6.945	0.0	0	28539	449.8	M
\$ 12 Terphenyl-d14	244	8.823	8.823	0.0	1	211211	460.7	
26 Naphthalene	128	4.882	4.882	0.0	1	257995	468.5	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	149594	465.3	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	148418	458.8	
31 Acenaphthylene	152	6.178	6.178	0.0	1	242319	470.2	
29 Acenaphthene	153	6.316	6.316	0.0	5	163940	471.2	
32 Fluorene	166	6.751	6.751	0.0	1	171891	476.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	25147	459.1	M
37 Phenanthrene	178	7.537	7.537	0.0	1	247239	465.7	
38 Anthracene	178	7.577	7.577	0.0	1	243260	464.8	
42 Fluoranthene	202	8.514	8.514	0.0	1	274832	471.3	
41 Pyrene	202	8.705	8.705	0.0	39	282760	466.0	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	267204	475.2	
43 Chrysene	228	9.767	9.767	0.0	1	270938	464.3	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	258574	479.9	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	260959	478.2	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	231380	481.3	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	216495	496.9	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	232333	506.2	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	235538	494.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

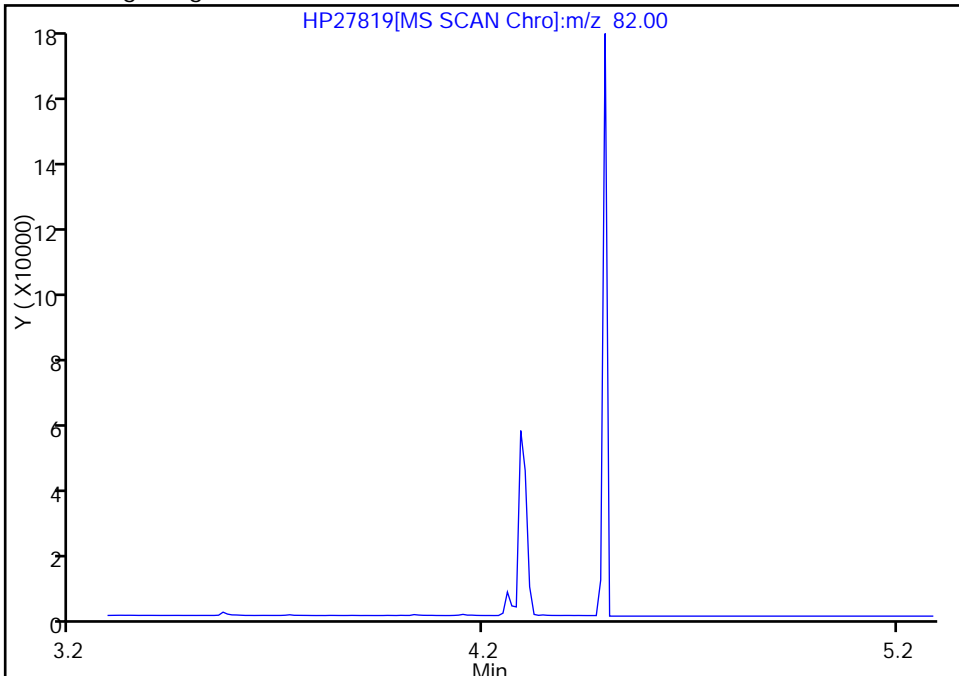


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

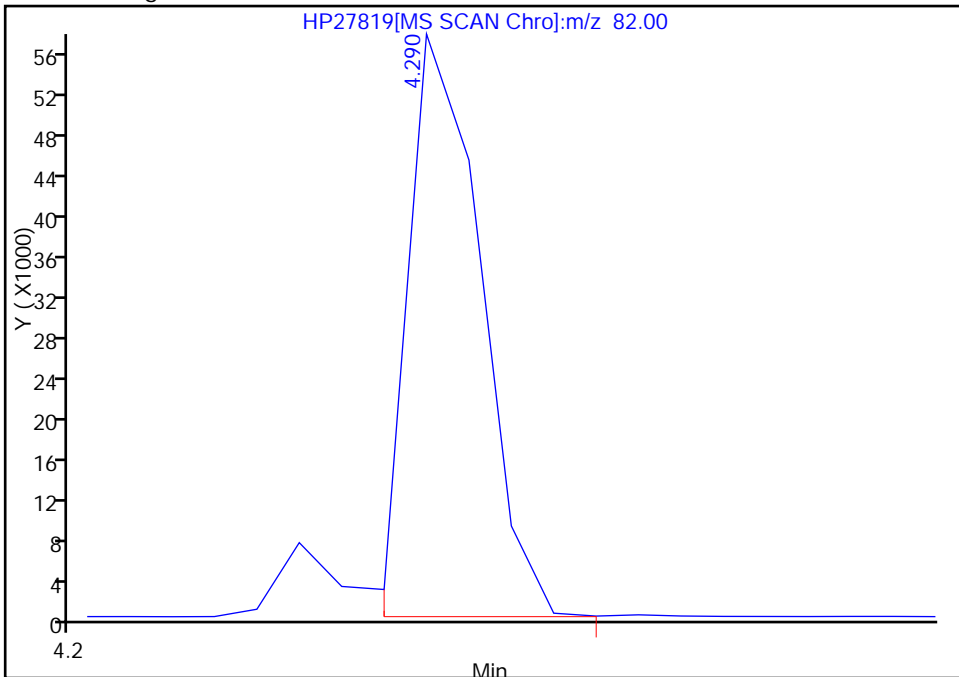
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 72453
Amount: 448.5743

Manual Integration Results



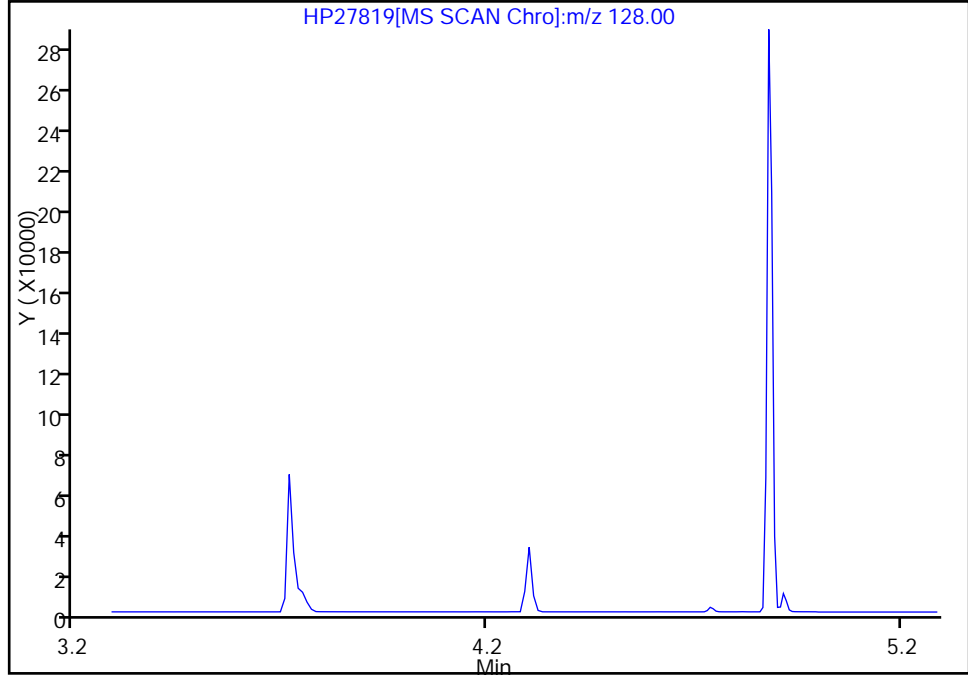
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 2, m/z: 128.0 Type: qualifier, RT: 4.29

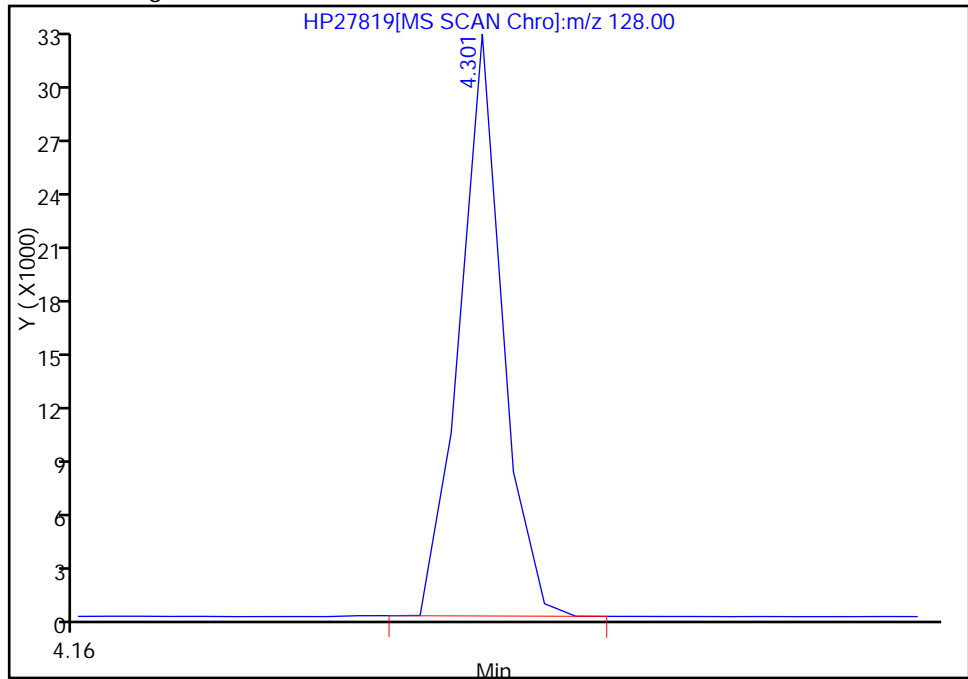
Processing Integration Results

Not Detected
Expected RT: 4.29



Manual Integration Results

RT: 4.30
Response: 32919
Amount: 0



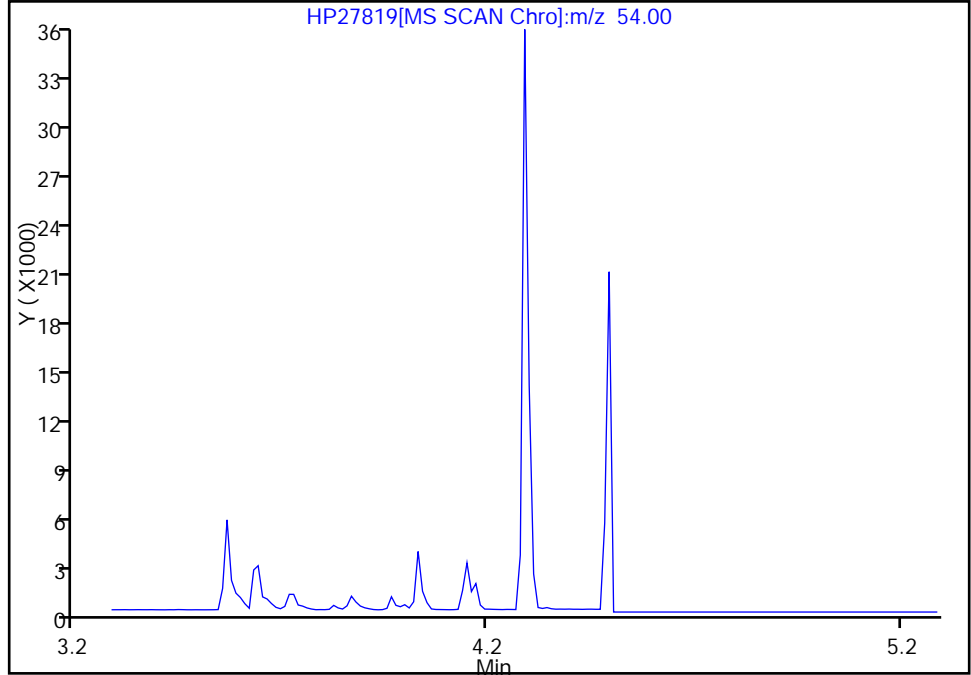
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

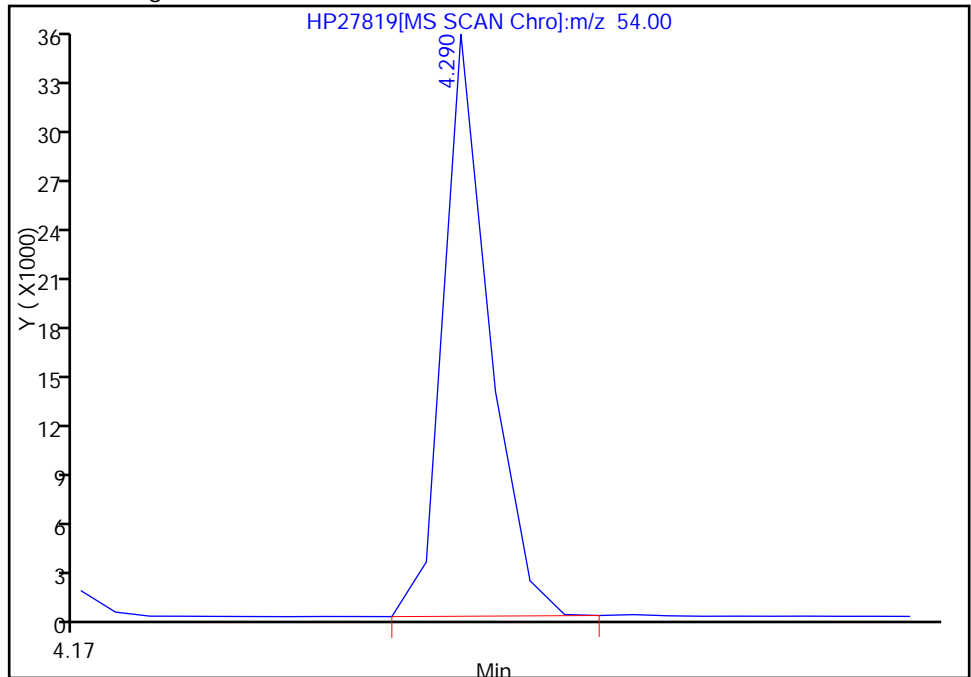
\$ 9 Nitrobenzene-d5, Signal: 3, m/z: 54.0 Type: qualifier, RT: 4.29

Not Detected
Expected RT: 4.29

Processing Integration Results



Manual Integration Results



RT: 4.29
Response: 35214
Amount: 0

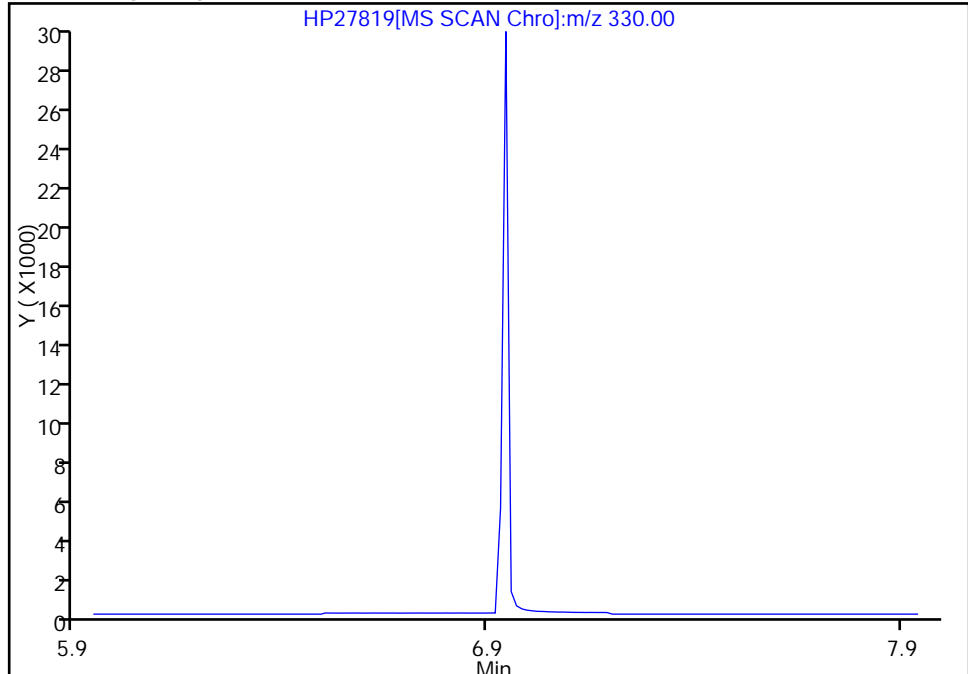
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

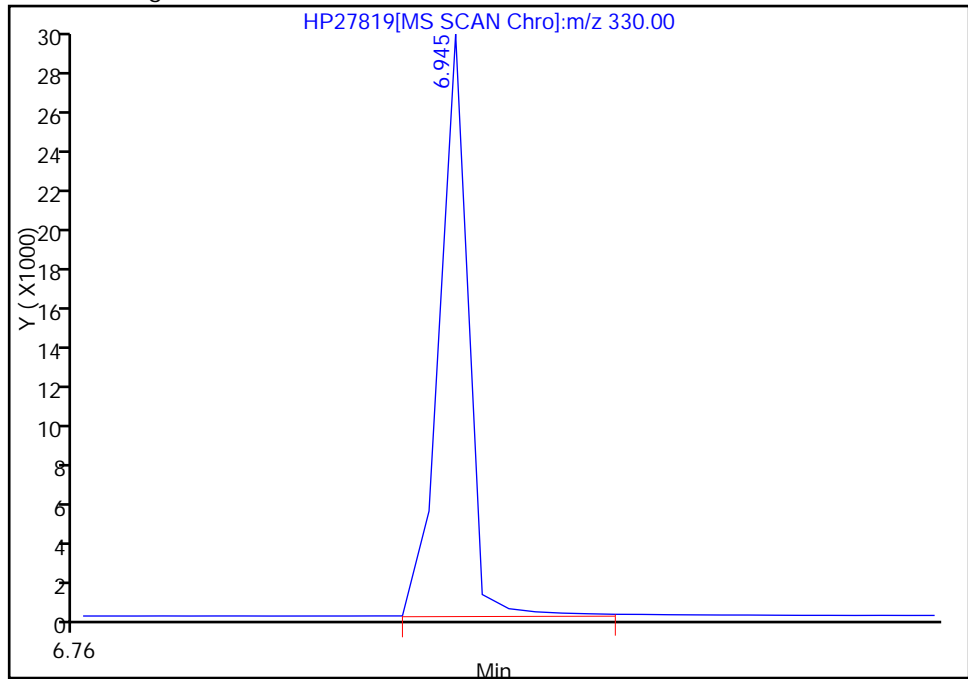
Not Detected
Expected RT: 6.94

Processing Integration Results



RT: 6.94
Response: 28539
Amount: 449.7762

Manual Integration Results



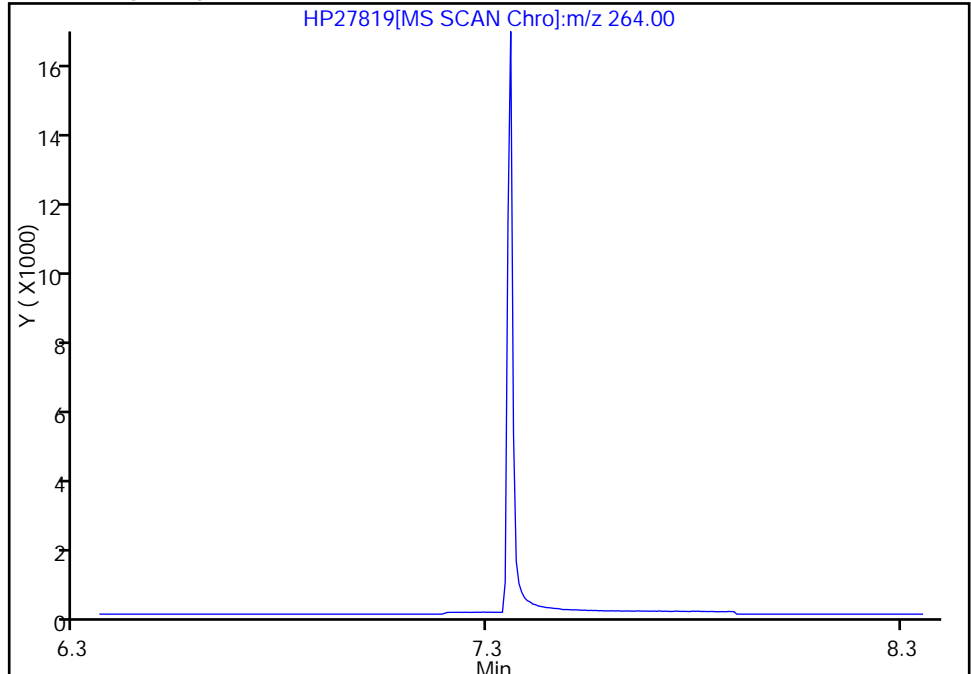
Reviewer: tadesseb, 26-Apr-2012 18:06:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 2, m/z: 264.0 Type: qualifier, RT: 7.36

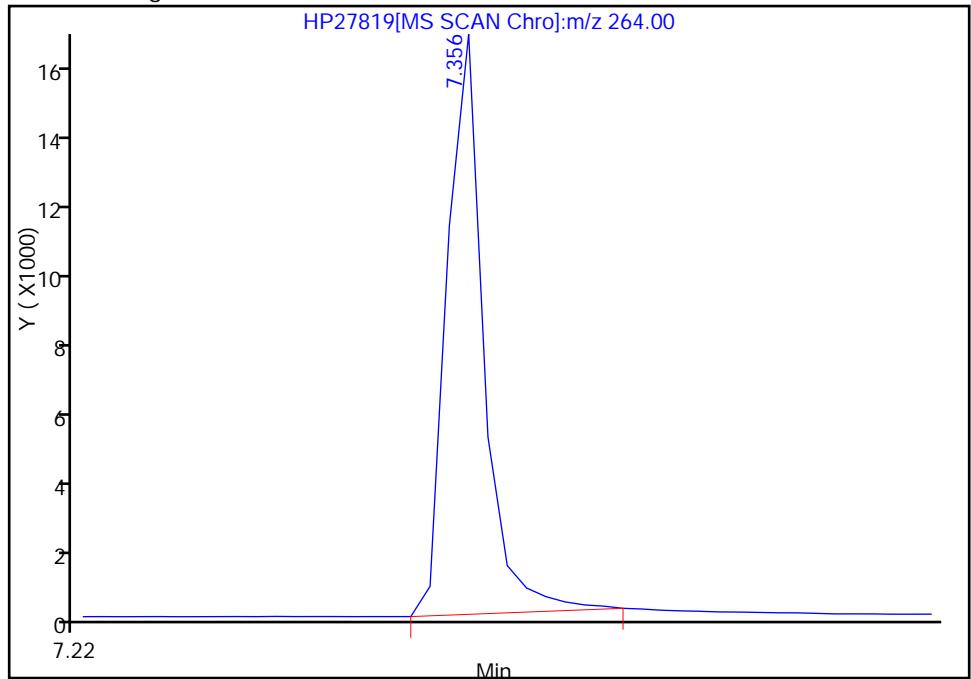
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 14751
Amount: 0

Manual Integration Results



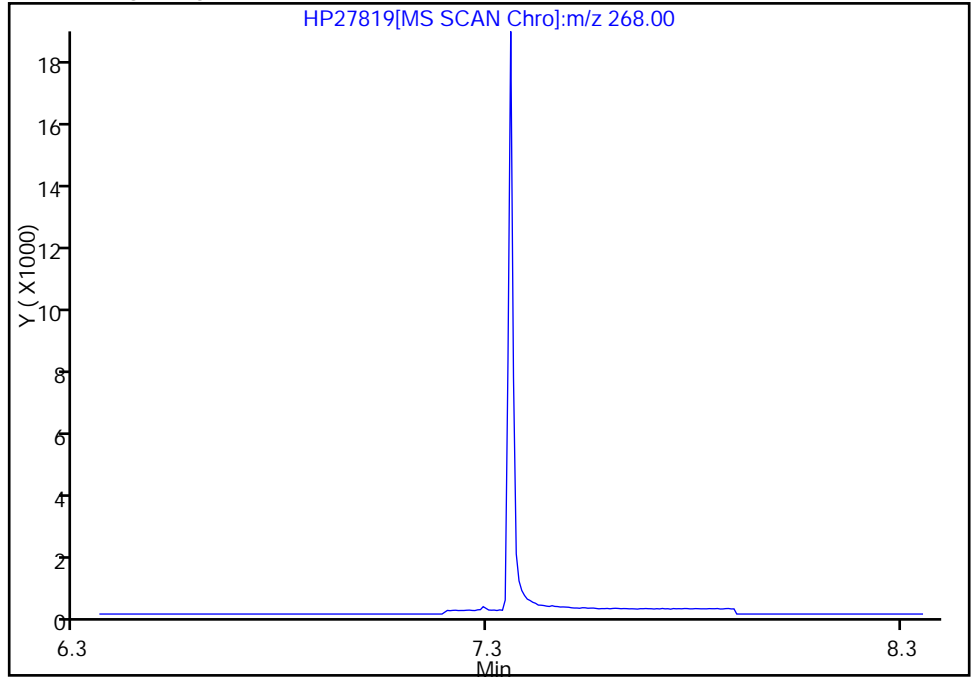
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 3, m/z: 268.0 Type: qualifier, RT: 7.36

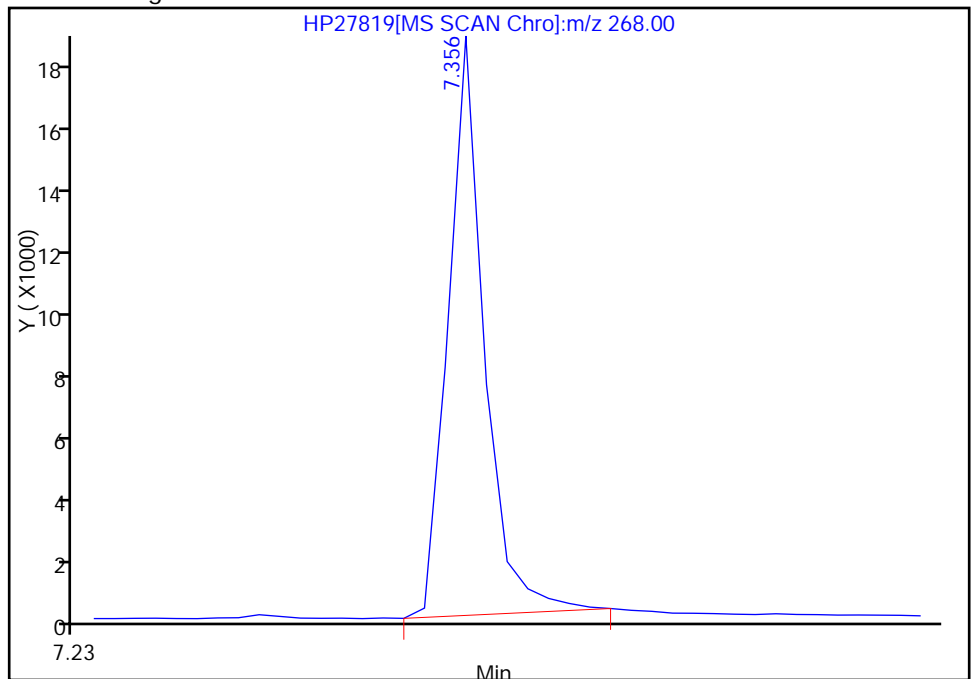
Not Detected
Expected RT: 7.36

Processing Integration Results



Manual Integration Results

RT: 7.36
Response: 15042
Amount: 0



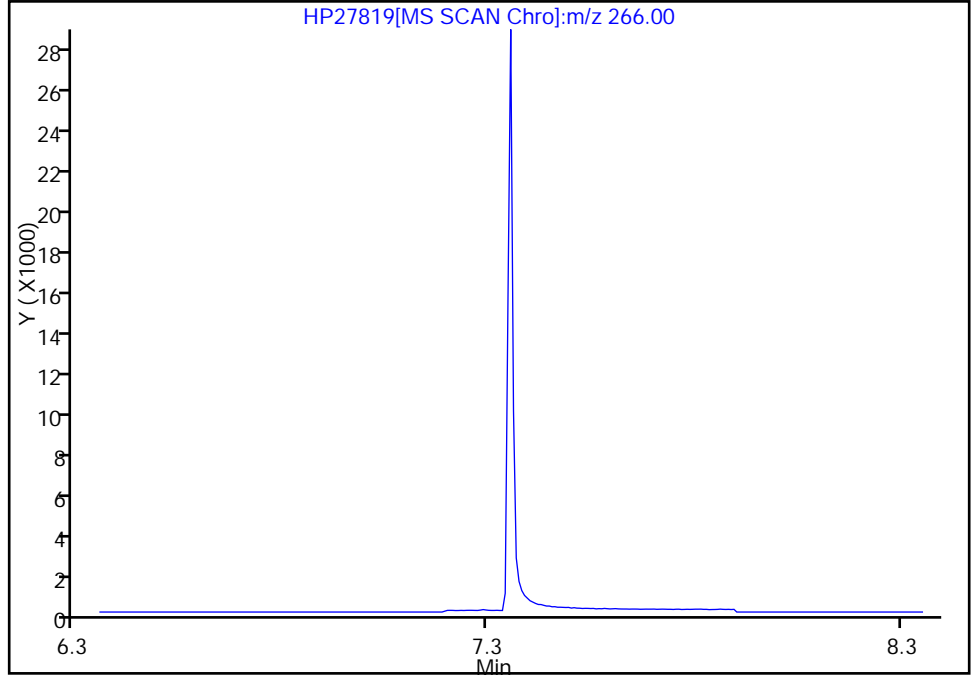
Reviewer: tadesseb, 27-Apr-2012 14:56:32
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27819.D
Injection Date: 26-Apr-2012 17:33:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 7
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

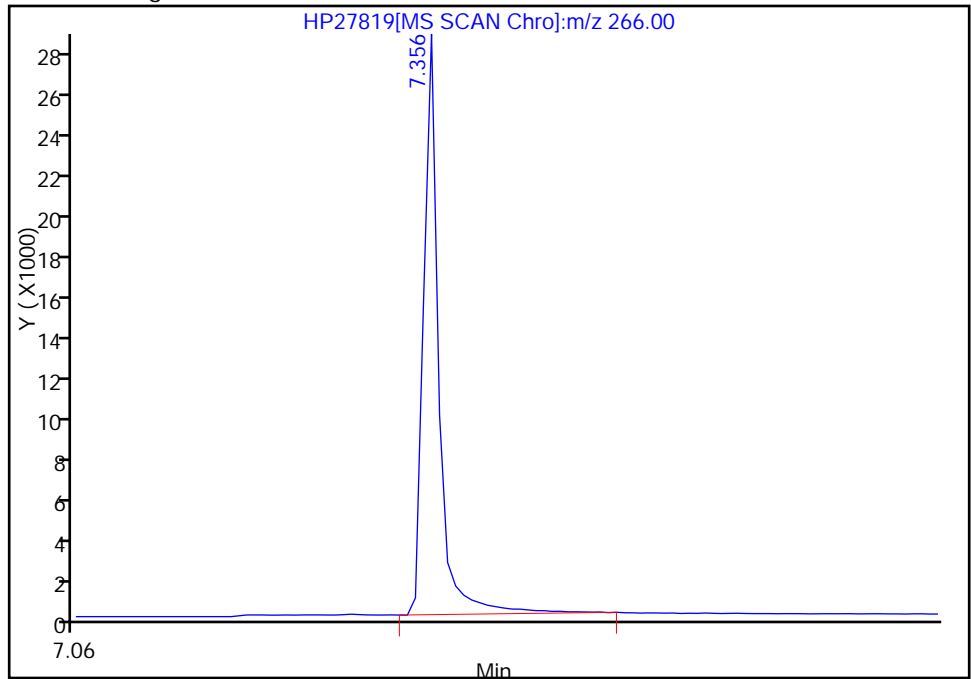
Not Detected
Expected RT: 7.36

Processing Integration Results



RT: 7.36
Response: 25147
Amount: 459.1316

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:12:46
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
 Lims ID: ic std 1000 ppb Client ID:
 Inject. Date: 26-Apr-2012 17:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: bic std 1000 ppb
 Misc. Info.: 580-0022916-008 =580-0022916-008
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 110125 Lims Sample ID: 8
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:42 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:42

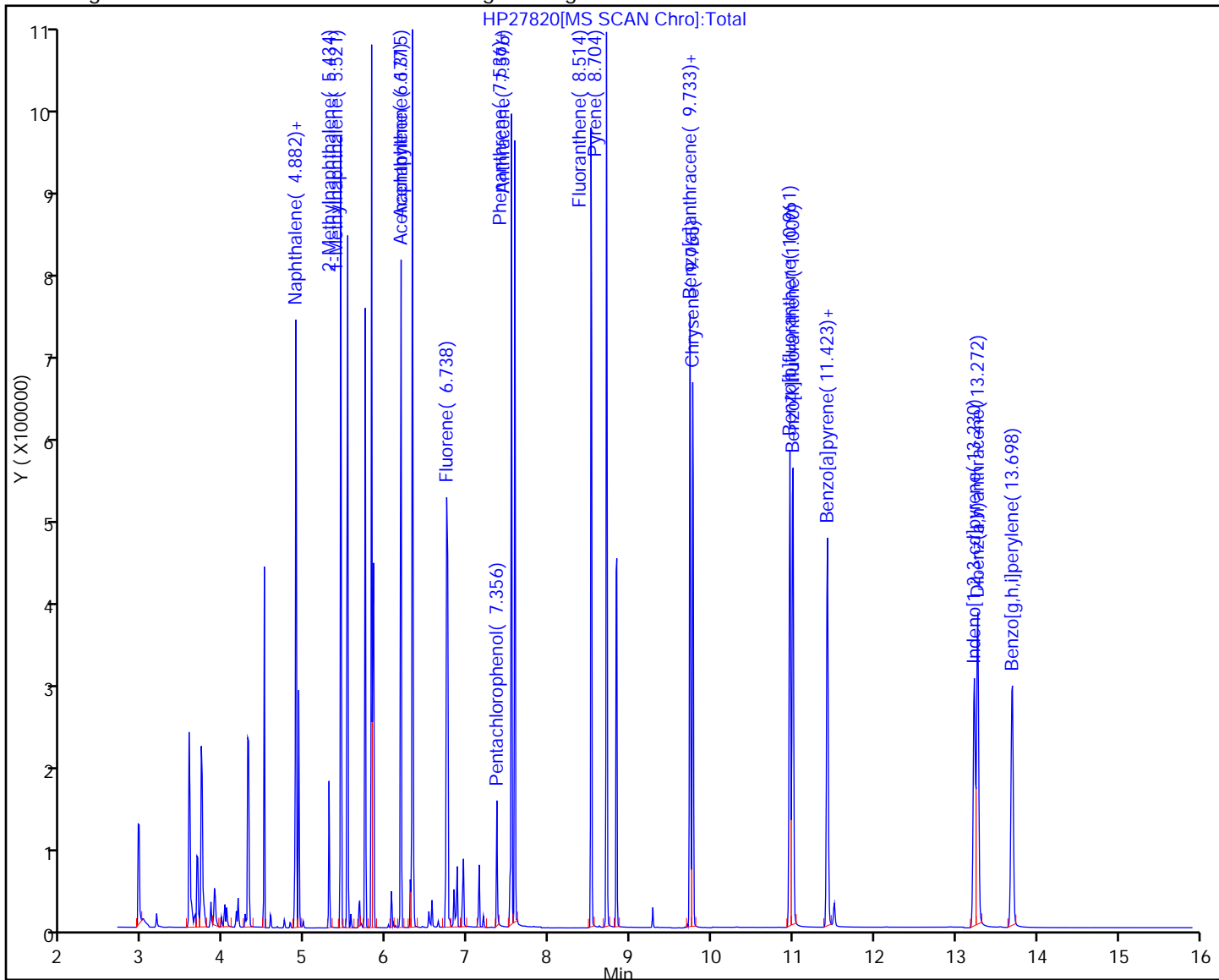
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.891	3.881	0.010	1	42417	95.6	
* 2 Naphthalene-d8	136	4.867	4.868	-0.001	1	48871	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27787	98.0	
* 4 Phenanthrene-d10	188	7.516	7.517	-0.001	1	41961	98.0	
* 5 Chrysene-d12	240	9.746	9.742	0.004	1	49775	98.1	
* 6 Perylene-d12	264	11.508	11.503	0.005	1	38679	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	155476	966.0	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	388074	926.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	65796	996.0	M
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	431031	949.2	
26 Naphthalene	128	4.882	4.882	0.0	1	526496	959.5	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	304972	952.0	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	301833	936.5	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	515994	997.5	
29 Acenaphthene	153	6.315	6.316	-0.001	6	334188	956.9	
32 Fluorene	166	6.751	6.751	0.0	1	346324	956.6	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	56922	981.3	M
37 Phenanthrene	178	7.536	7.537	-0.001	1	503131	956.8	
38 Anthracene	178	7.576	7.577	-0.001	1	507513	979.2	
42 Fluoranthene	202	8.514	8.514	0.0	1	568358	984.0	
41 Pyrene	202	8.704	8.705	-0.001	39	592192	985.3	
44 Benzo[a]anthracene	228	9.733	9.729	0.004	1	566855	1014.2	
43 Chrysene	228	9.765	9.767	-0.002	1	545769	940.8	
45 Benzo[b]fluoranthene	252	10.961	10.956	0.005	1	510819	943.6	
46 Benzo[k]fluoranthene	252	11.000	10.994	0.006	1	559002	1019.5	
47 Benzo[a]pyrene	252	11.423	11.418	0.005	1	489634	1013.5	
50 Indeno[1,2,3-cd]pyrene	276	13.230	13.225	0.005	1	431662	986.0	
49 Dibenz(a,h)anthracene	278	13.272	13.267	0.005	1	451123	978.2	
51 Benzo[g,h,i]perylene	276	13.698	13.693	0.005	1	453172	946.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

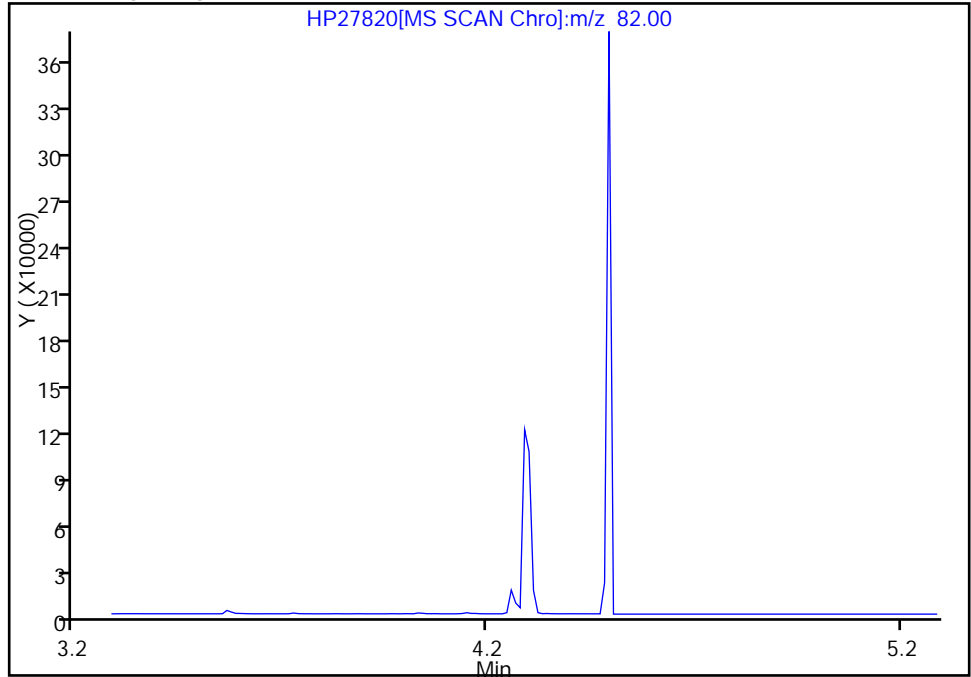


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

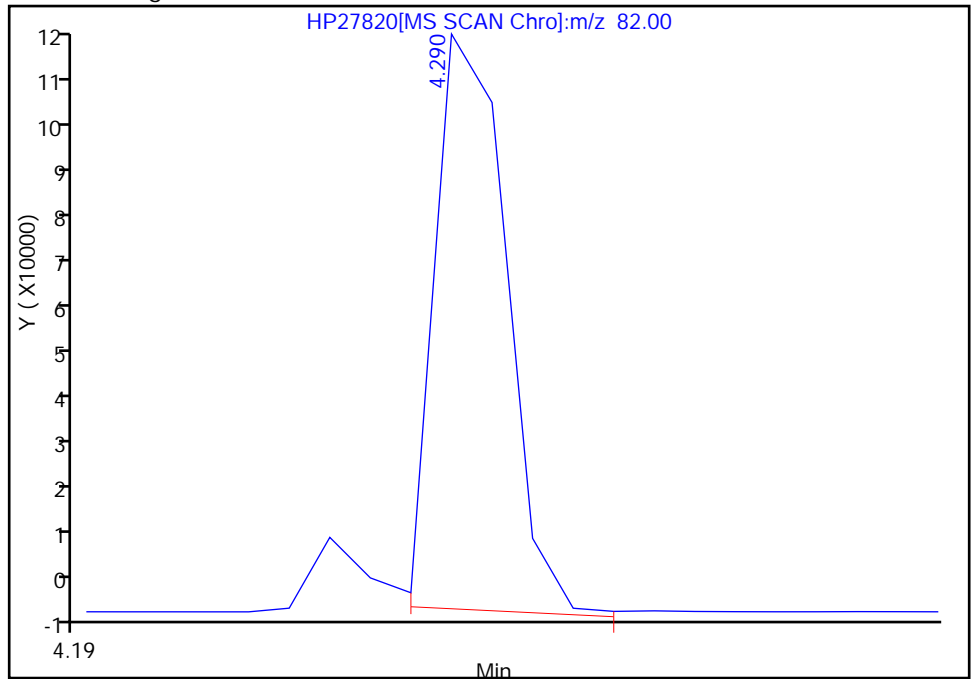
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 155476
Amount: 966.0369

Manual Integration Results



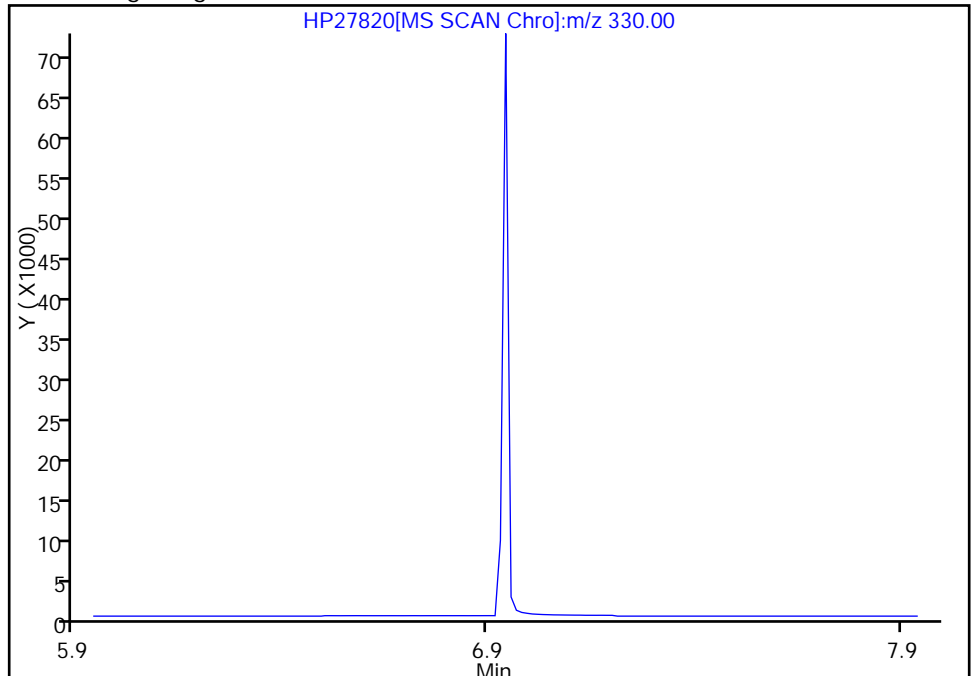
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.94

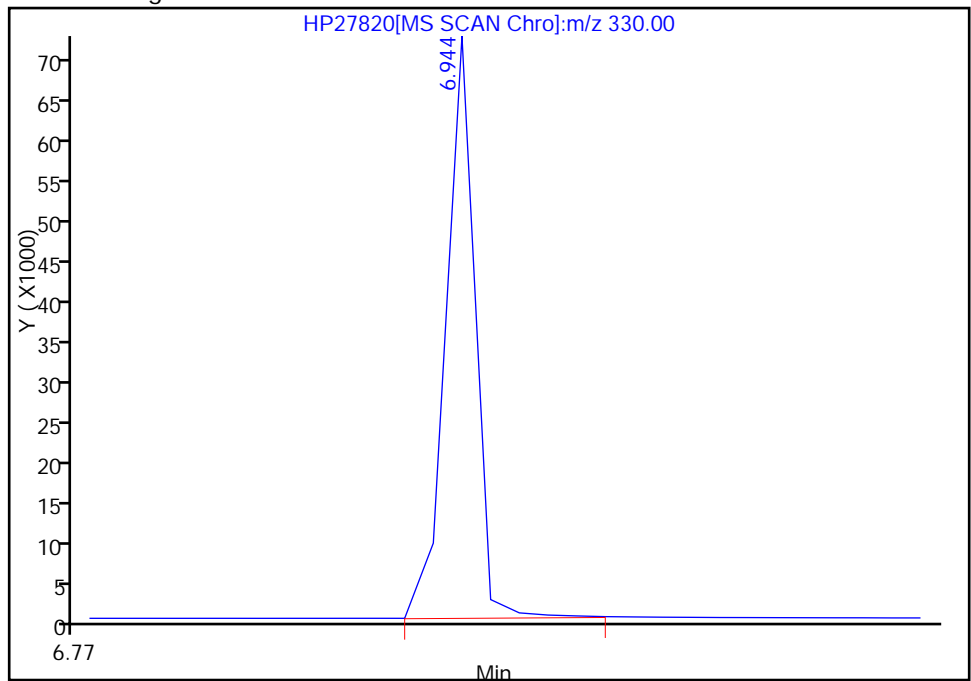
Processing Integration Results

Not Detected
Expected RT: 6.94



Manual Integration Results

RT: 6.94
Response: 65796
Amount: 995.9877



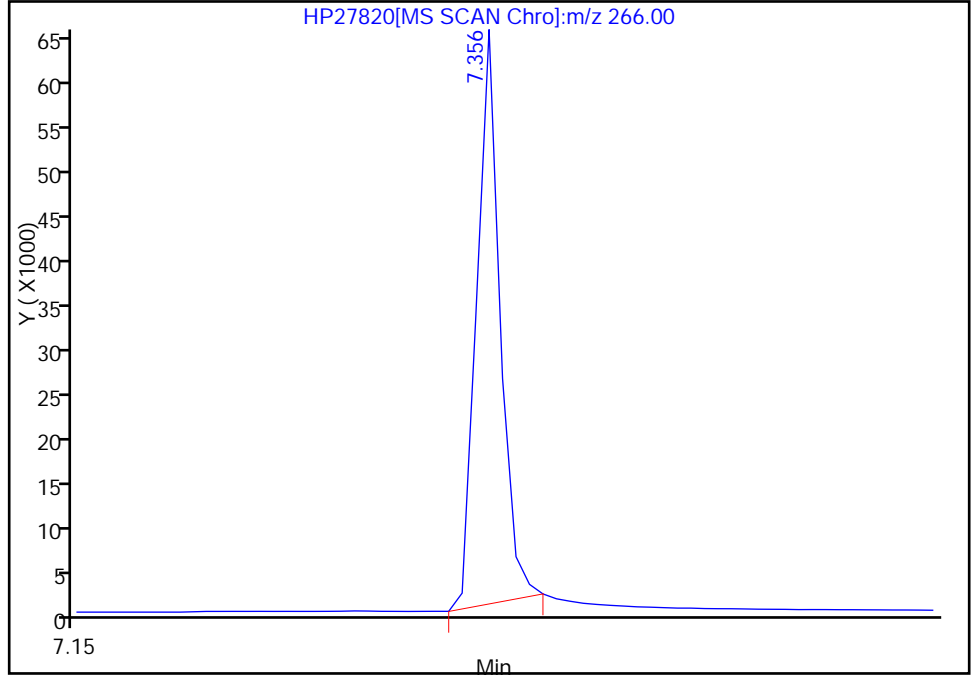
Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27820.D
Injection Date: 26-Apr-2012 17:55:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 8
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

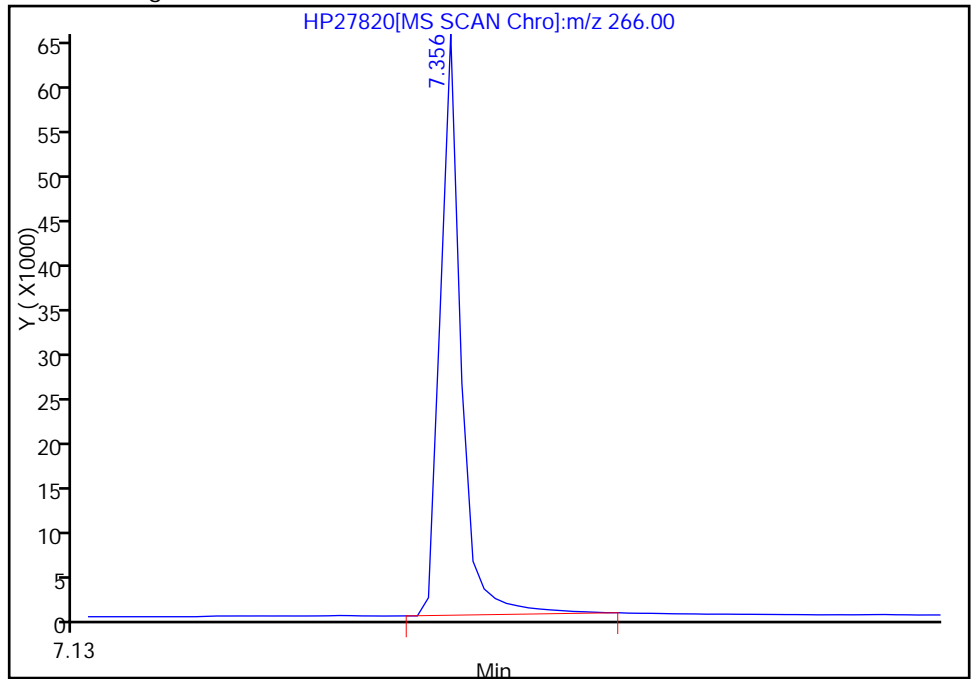
RT: 7.36
Response: 52194
Amount: 999.2435

Processing Integration Results



RT: 7.36
Response: 56922
Amount: 981.2682

Manual Integration Results



Reviewer: tadesseb, 26-Apr-2012 18:15:27
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
 Lims ID: ic std 2000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: ic std 2000 ppb
 Misc. Info.: 580-0022916-009 =580-0022916-009
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 110125 Lims Sample ID: 9
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:58:58 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:58:58

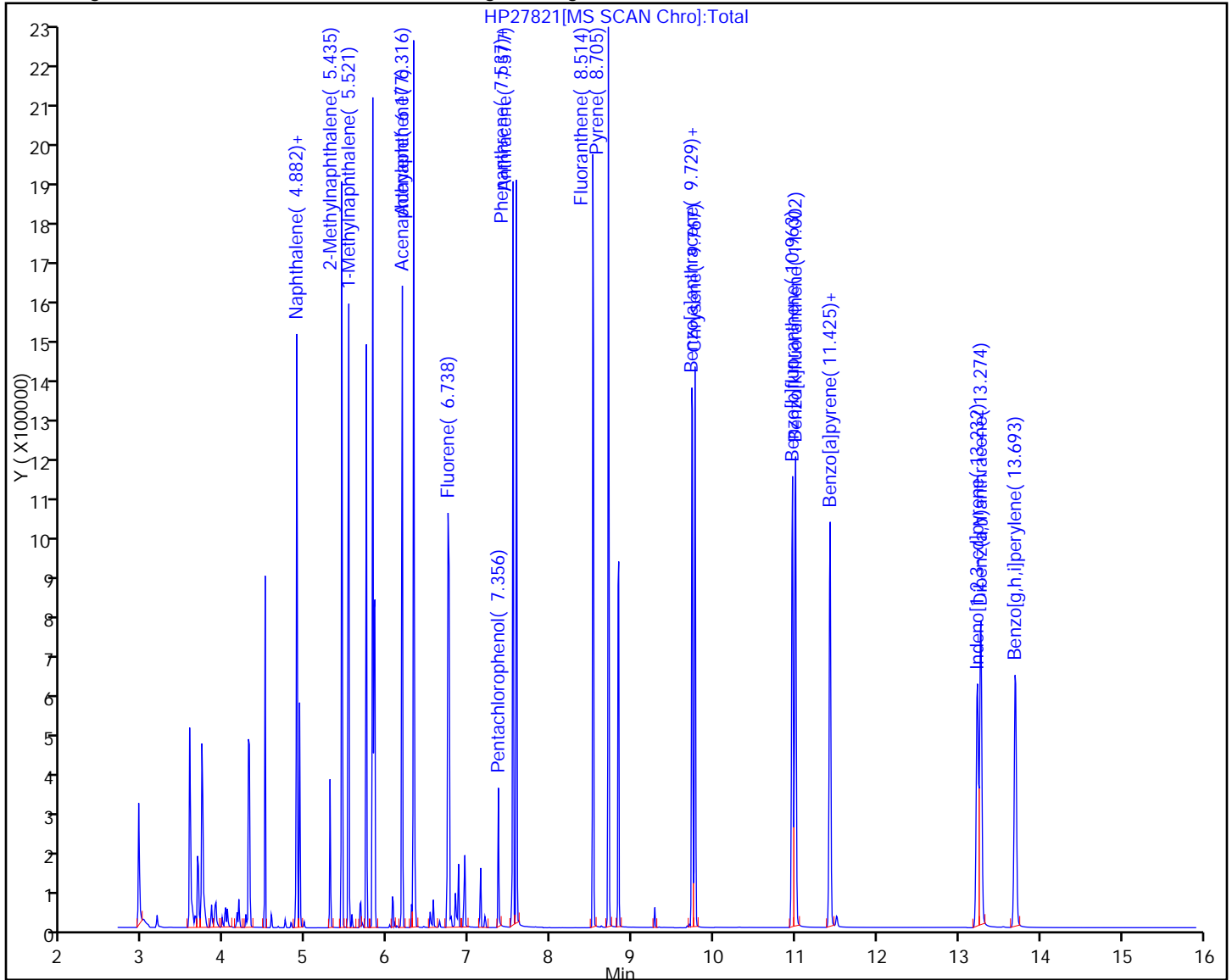
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	67151	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	48788	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	27715	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	41155	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	50911	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	38940	98.9	
\$ 9 Nitrobenzene-d5	82	4.290	4.290	0.0	0	322573	2007.7	M
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	798866	1912.8	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	142900	2034.7	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	901504	2024.0	
26 Naphthalene	128	4.882	4.882	0.0	1	1072090	1957.2	
27 2-Methylnaphthalene	141	5.435	5.435	0.0	1	622591	1946.8	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	618740	1923.0	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	1067745	2069.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	685674	1968.5	
32 Fluorene	166	6.751	6.751	0.0	1	693578	1920.8	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	131497	2098.5	M
37 Phenanthrene	178	7.537	7.537	0.0	1	1016537	1971.0	
38 Anthracene	178	7.577	7.577	0.0	1	1047978	2061.5	
42 Fluoranthene	202	8.514	8.514	0.0	1	1190504	2101.5	
41 Pyrene	202	8.705	8.705	0.0	39	1237813	2099.9	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	1174411	2054.3	
43 Chrysene	228	9.767	9.767	0.0	1	1153508	1944.0	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	1104980	2027.4	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	1184758	2146.3	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	1057001	2173.3	
50 Indeno[1,2,3-cd]pyrene	276	13.232	13.225	0.007	1	948921	2153.0	M
49 Dibenz(a,h)anthracene	278	13.274	13.267	0.007	1	973945	2097.7	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	974794	2022.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

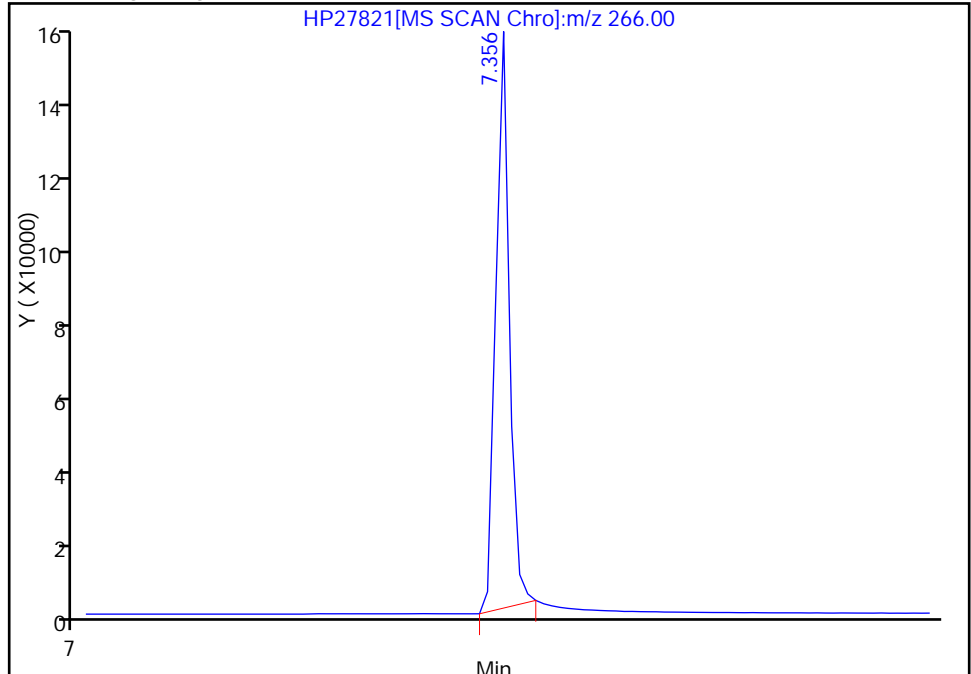


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

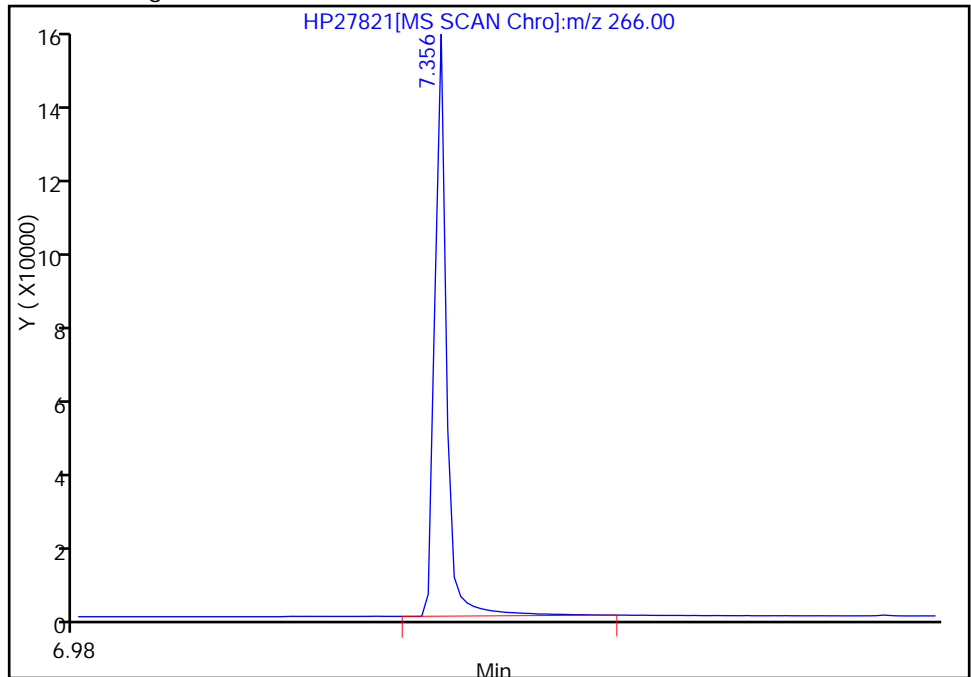
RT: 7.36
Response: 120123
Amount: 2022.2494

Processing Integration Results



RT: 7.36
Response: 131497
Amount: 2098.5122

Manual Integration Results



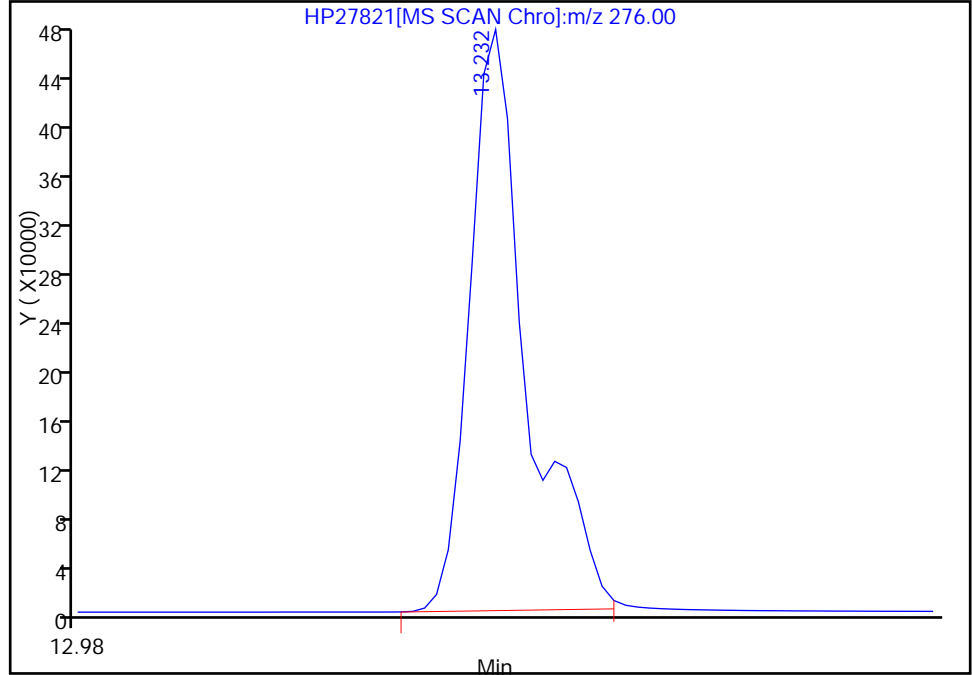
Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

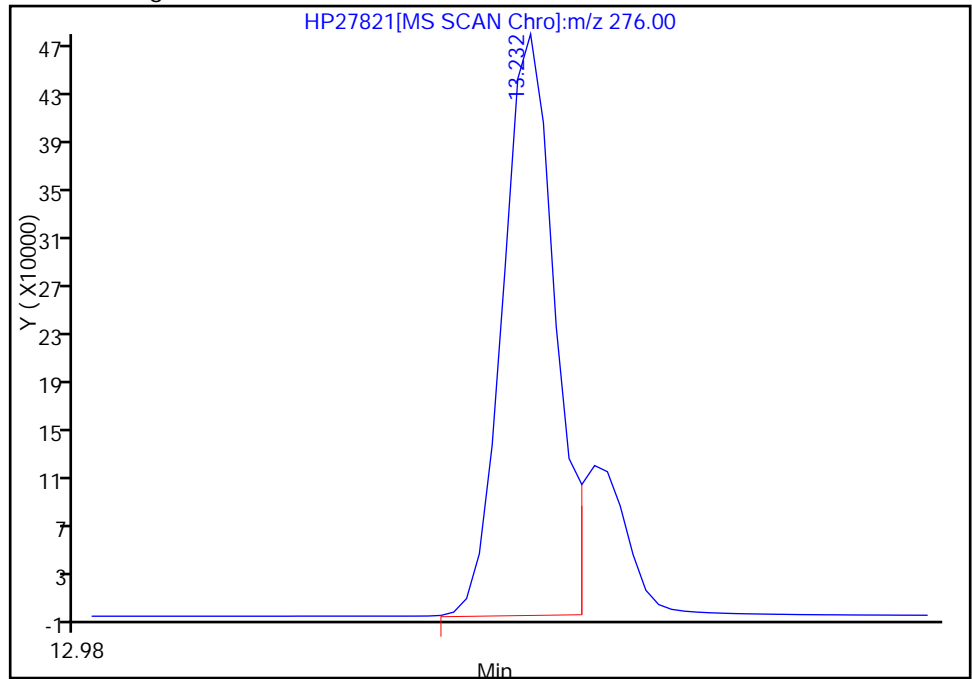
RT: 13.23
Response: 1137088
Amount: 2512.8959

Processing Integration Results



RT: 13.23
Response: 948921
Amount: 2153.0147

Manual Integration Results



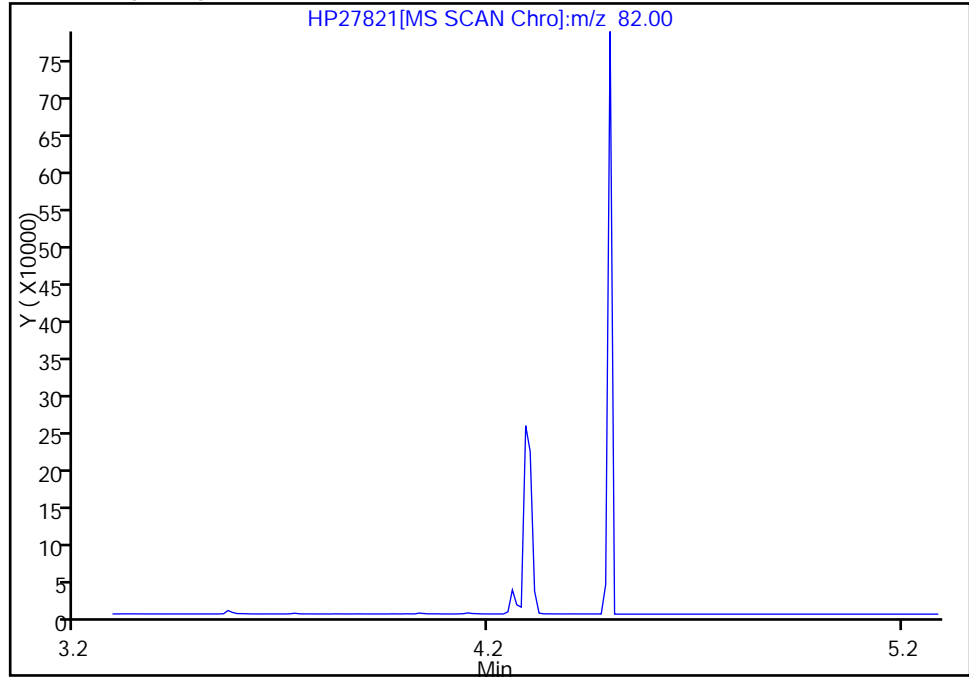
Reviewer: tadesseb, 27-Apr-2012 10:21:33
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27821.D
Injection Date: 26-Apr-2012 18:16:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 9
Operator ID: bat Injection Vol: 1.00 ul

\$ 9 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.29

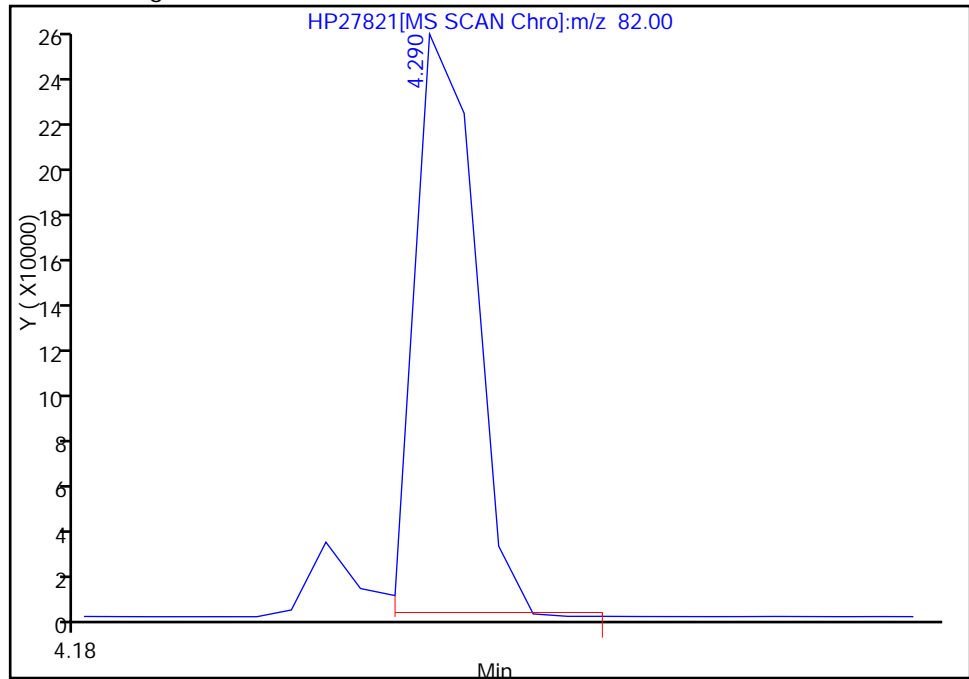
Not Detected
Expected RT: 4.29

Processing Integration Results



RT: 4.29
Response: 322573
Amount: 2007.6896

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:19:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Lims ID: ic std 5000 ppb Client ID:
 Inject. Date: 26-Apr-2012 18:38:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: ic std 5000 ppb
 Misc. Info.: 580-0022916-010 =580-0022916-010
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 110125 Lims Sample ID: 10
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 11:59:40

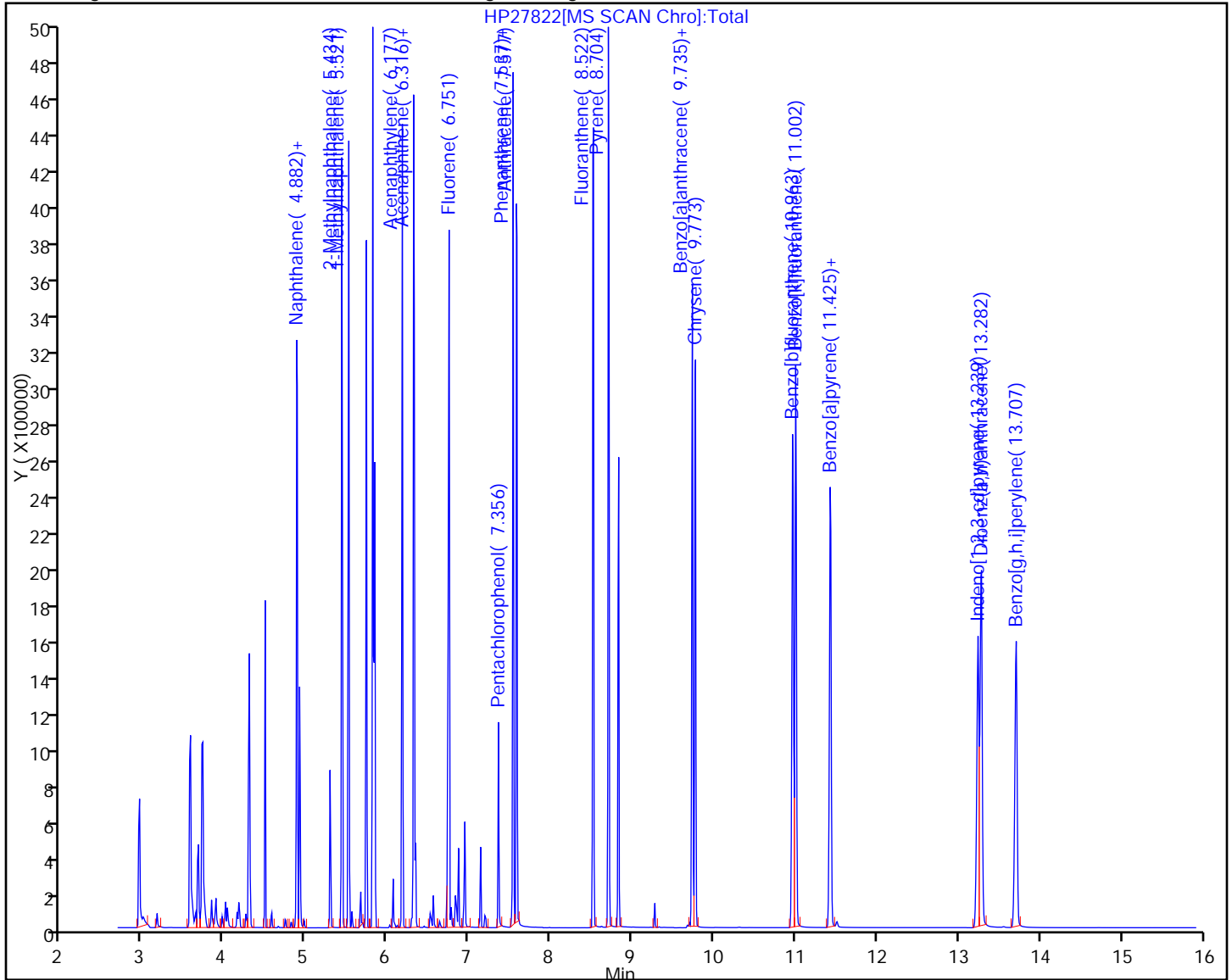
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	134506	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51007	95.2	
* 3 Acenaphthene-d10	164	6.298	6.290	0.008	1	29238	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	44224	98.0	
* 5 Chrysene-d12	240	9.748	9.742	0.006	1	53352	98.1	
* 6 Perylene-d12	264	11.510	11.503	0.007	1	40975	98.9	
\$ 9 Nitrobenzene-d5	82	4.301	4.290	0.011	1	880358	5241.0	
\$ 11 2-Fluorobiphenyl	172	5.737	5.737	0.0	1	1969505	4470.2	
\$ 51 2,4,6-Tribromophenol	330	6.944	6.945	-0.001	0	425037	4905.2	
\$ 12 Terphenyl-d14	244	8.831	8.823	0.008	1	2249893	4700.9	
26 Naphthalene	128	4.889	4.882	0.007	1	2684550	4687.7	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	1520695	4548.1	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	1528334	4543.3	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	2595885	4769.1	
29 Acenaphthene	153	6.316	6.316	0.0	5	1693739	4609.2	
32 Fluorene	166	6.751	6.751	0.0	1	1965794	5160.5	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	391605	4975.3	M
37 Phenanthrene	178	7.537	7.537	0.0	1	2546197	4594.2	
38 Anthracene	178	7.577	7.577	0.0	1	2639536	4831.9	
42 Fluoranthene	202	8.522	8.514	0.008	1	2969613	4878.2	
41 Pyrene	202	8.704	8.705	-0.001	38	3038369	4796.7	
44 Benzo[a]anthracene	228	9.735	9.729	0.006	1	2918750	4871.9	
43 Chrysene	228	9.773	9.767	0.006	1	2766966	4449.8	
45 Benzo[b]fluoranthene	252	10.963	10.956	0.007	1	2867529	5000.1	
46 Benzo[k]fluoranthene	252	11.002	10.994	0.008	1	2774469	4776.6	
47 Benzo[a]pyrene	252	11.425	11.418	0.007	1	2663923	5205.3	
50 Indeno[1,2,3-cd]pyrene	276	13.239	13.225	0.014	1	2417283	5212.2	M
49 Dibenz(a,h)anthracene	278	13.282	13.267	0.015	1	2433908	4981.9	
51 Benzo[g,h,i]perylene	276	13.707	13.693	0.014	1	2419736	4770.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

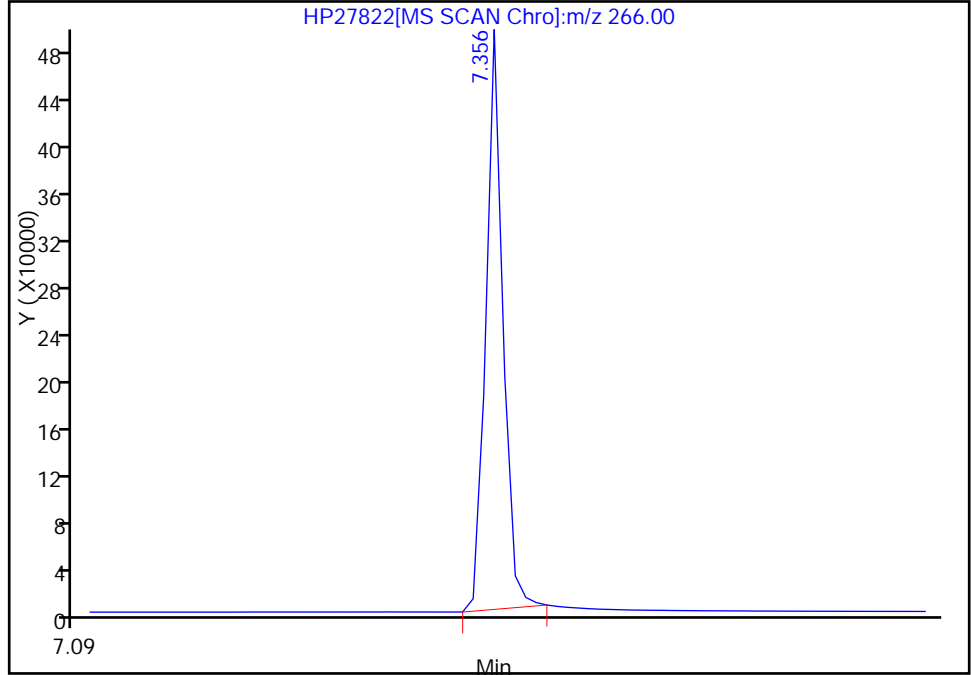


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

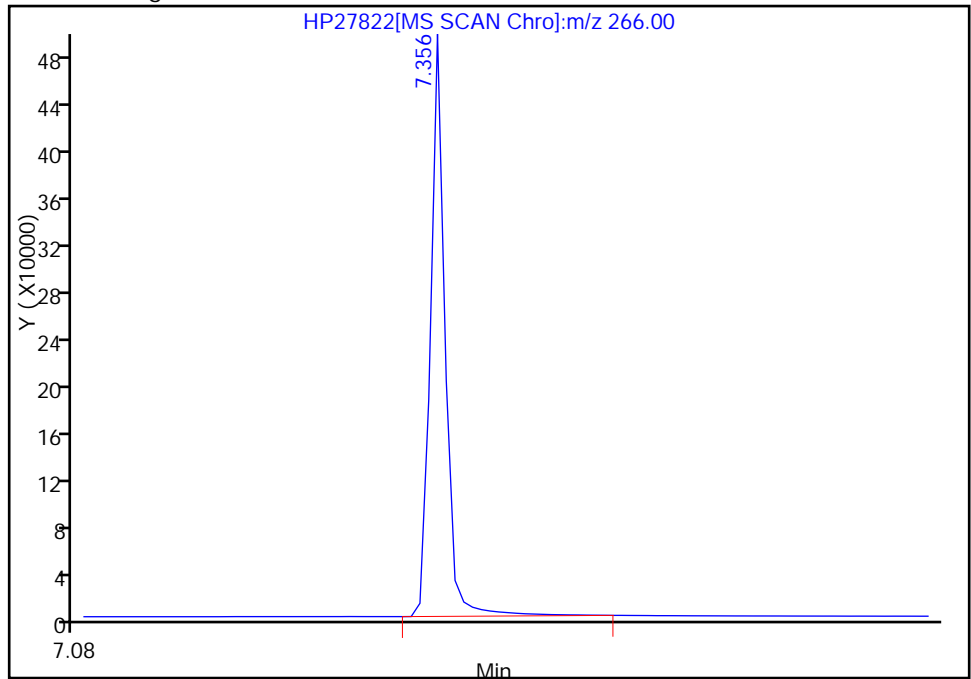
RT: 7.36
Response: 372952
Amount: 4968.7353

Processing Integration Results



RT: 7.36
Response: 391605
Amount: 4975.3373

Manual Integration Results



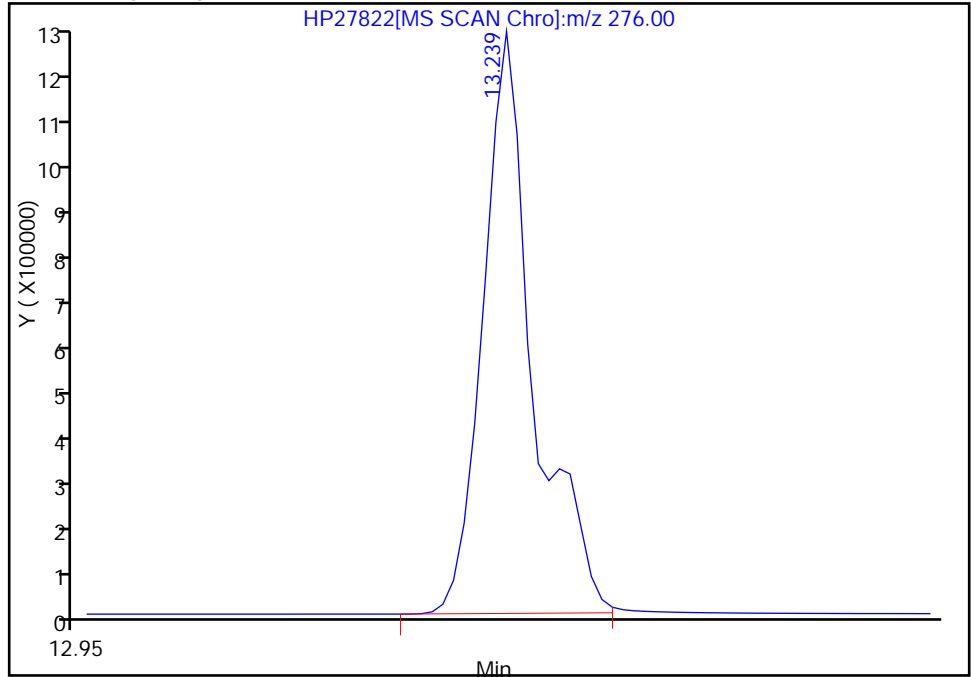
Reviewer: tadesseb, 27-Apr-2012 10:20:15
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
Injection Date: 26-Apr-2012 18:38:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 10
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.22

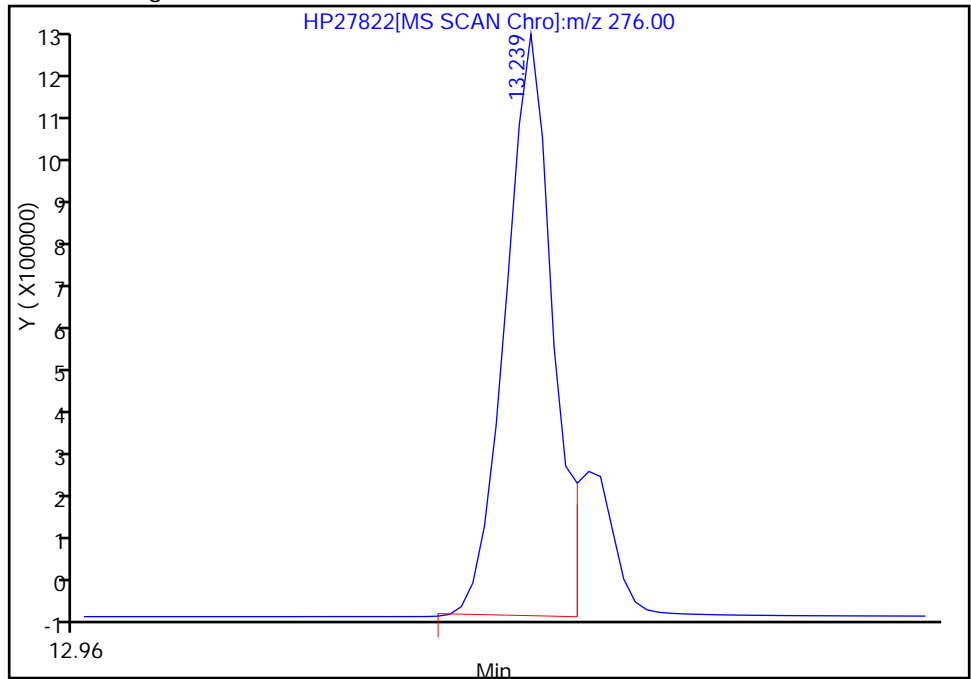
RT: 13.24
Response: 2868104
Amount: 5884.2653

Processing Integration Results



RT: 13.24
Response: 2417283
Amount: 5212.2042

Manual Integration Results



Reviewer: tadesseb, 27-Apr-2012 10:21:00
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab Sample ID: ICV 580-110125/11 Calibration Date: 04/26/2012 19:00
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP27823.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.069	1.070		1000	1000	0.1	25.0
2-Methylnaphthalene	Ave	0.6240	0.6202		995	1000	-0.6	25.0
1-Methylnaphthalene	Ave	0.6278	0.6000		958	1000	-4.4	25.0
Acenaphthylene	Ave	1.824	1.929		1060	999	5.7	25.0
Acenaphthene	Ave	1.232	1.213		986	1000	-1.5	25.0
Fluorene	Ave	1.277	1.288		1010	1000	0.9	25.0
Pentachlorophenol	Qual		0.2146		1040	999	4.4	25.0
Phenanthrene	Ave	1.228	1.205		982	1000	-1.8	25.0
Anthracene	Ave	1.210	1.198		990	1000	-1.0	25.0
Fluoranthene	Ave	1.348	1.350		1000	1000	0.1	25.0
Pyrene	Ave	1.403	1.372		979	1000	-2.2	25.0
Benzo[a]anthracene	Ave	1.101	1.084		985	1000	-1.6	25.0
Chrysene	Ave	1.143	1.071		937	1000	-6.3	25.0
Benzo[b]fluoranthene	Ave	1.384	1.376		994	1000	-0.6	25.0
Benzo[k]fluoranthene	Ave	1.402	1.374		981	1000	-2.0	25.0
Benzo[a]pyrene	Ave	1.235	1.223		990	1000	-1.0	25.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	1.152		1030	1000	2.9	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.235		1050	999	4.8	25.0
Benzo[g,h,i]perylene	Ave	1.224	1.247		1020	1000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
 Lims ID: icv Client ID:
 Inject. Date: 26-Apr-2012 19:00:30 Dil. Factor: 1.0000
 Sample Type: ICV
 Sample ID: icv
 Misc. Info.: 580-0022916-011 =580-0022916-011
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 110125 Lims Sample ID: 11
 Sublist:
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:59:40 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb

Date: 02-May-2012 12:00:54

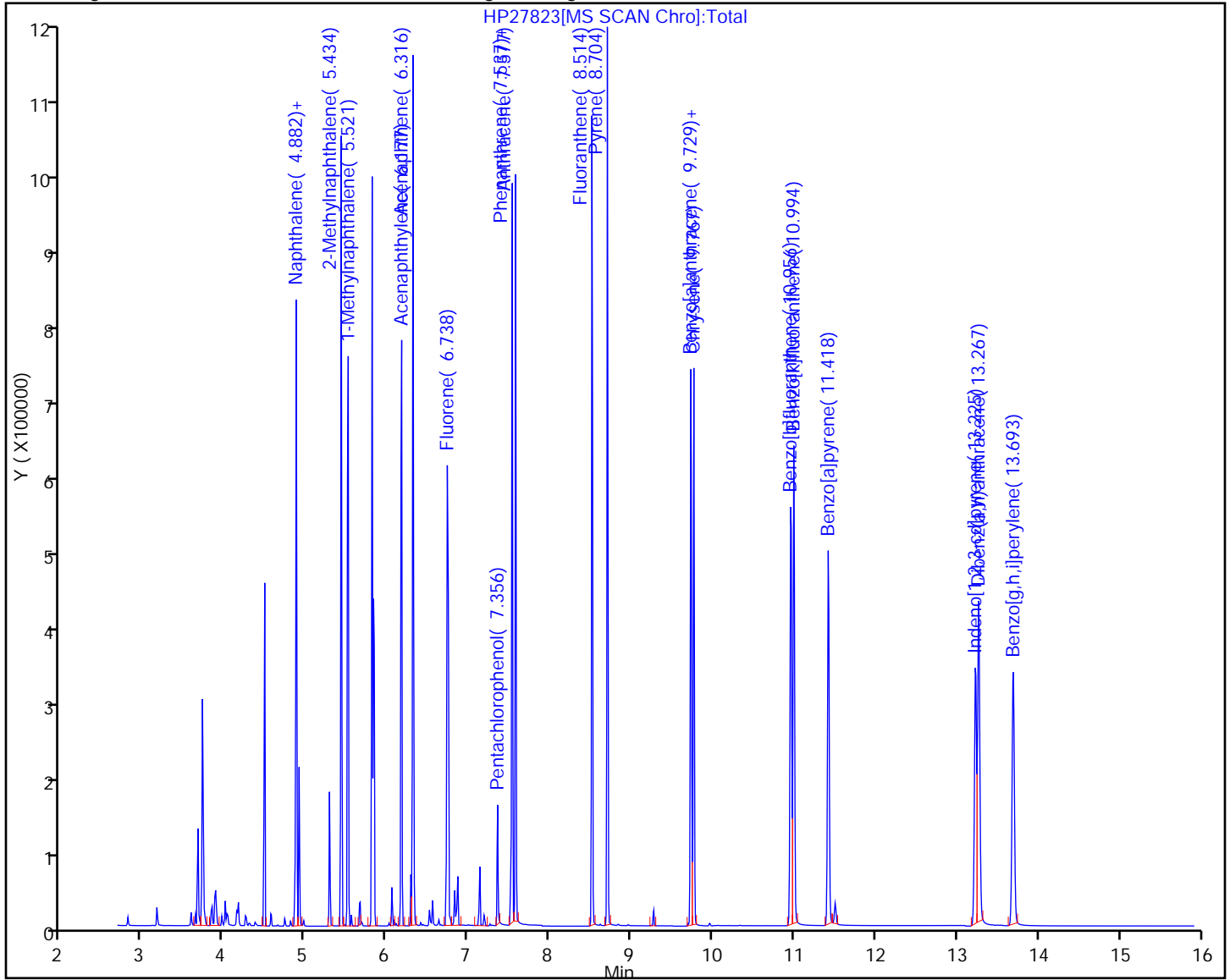
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.892	3.881	0.011	1	41529	95.6	
* 2 Naphthalene-d8	136	4.868	4.868	0.0	1	51301	95.2	
* 3 Acenaphthene-d10	164	6.290	6.290	0.0	1	29370	98.0	
* 4 Phenanthrene-d10	188	7.517	7.517	0.0	1	45820	98.0	
* 5 Chrysene-d12	240	9.742	9.742	0.0	1	55067	98.1	
* 6 Perylene-d12	264	11.502	11.503	-0.001	1	42441	98.9	
26 Naphthalene	128	4.882	4.882	0.0	1	576574	1001.0	
27 2-Methylnaphthalene	141	5.434	5.435	-0.001	1	334567	994.9	
28 1-Methylnaphthalene	141	5.521	5.521	0.0	1	323971	957.6	
31 Acenaphthylene	152	6.177	6.178	-0.001	1	577622	1056.4	
29 Acenaphthene	153	6.316	6.316	0.0	5	363802	985.6	
32 Fluorene	166	6.751	6.751	0.0	1	387275	1012.1	
52 Pentachlorophenol	266	7.356	7.356	0.0	0	64232	1042.6	M
37 Phenanthrene	178	7.537	7.537	0.0	1	563775	981.8	
38 Anthracene	178	7.577	7.577	0.0	1	560545	990.4	
42 Fluoranthene	202	8.514	8.514	0.0	1	632596	1003.0	
41 Pyrene	202	8.704	8.705	-0.001	39	642262	978.6	
44 Benzo[a]anthracene	228	9.729	9.729	0.0	1	608758	984.5	
43 Chrysene	228	9.767	9.767	0.0	1	601233	936.8	
45 Benzo[b]fluoranthene	252	10.956	10.956	0.0	1	590442	994.0	
46 Benzo[k]fluoranthene	252	10.994	10.994	0.0	1	590064	980.8	
47 Benzo[a]pyrene	252	11.418	11.418	0.0	1	524635	989.7	
50 Indeno[1,2,3-cd]pyrene	276	13.225	13.225	0.0	1	494220	1028.8	
49 Dibenz(a,h)anthracene	278	13.267	13.267	0.0	1	529473	1046.3	
51 Benzo[g,h,i]perylene	276	13.693	13.693	0.0	1	535257	1018.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

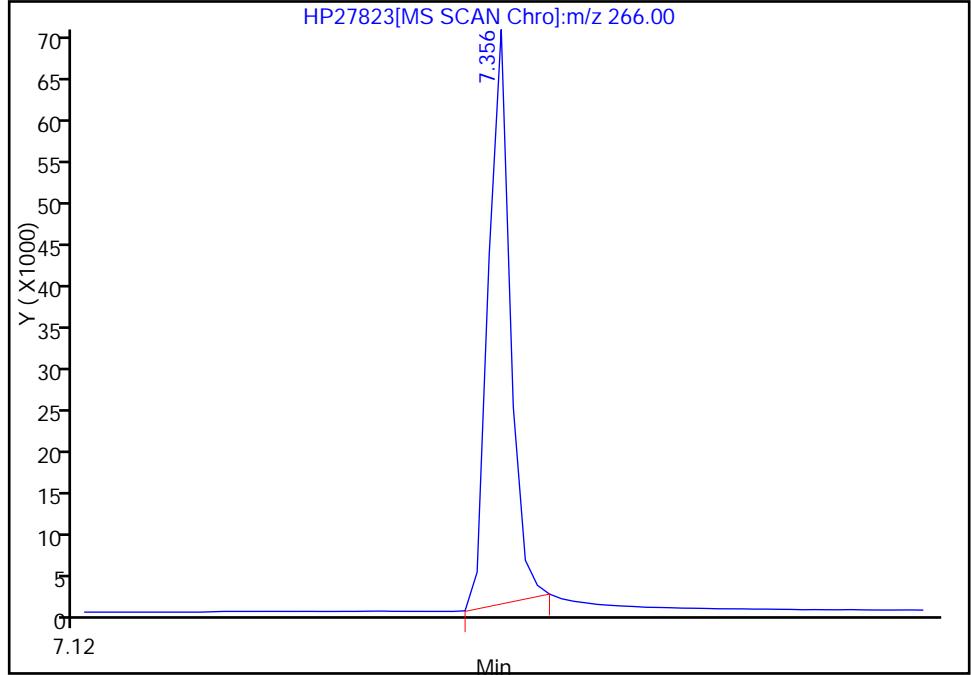


Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27823.D
Injection Date: 26-Apr-2012 19:00:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 110125 Lims Sample ID: 11
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.36

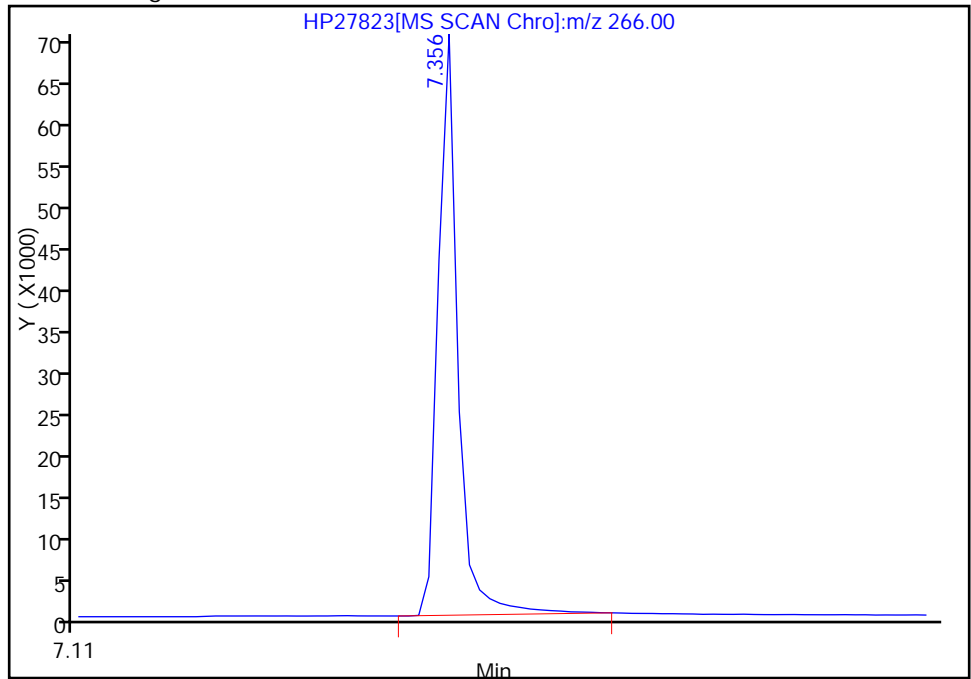
RT: 7.36
Response: 58973
Amount: 963.1893

Processing Integration Results



RT: 7.36
Response: 64232
Amount: 1042.6430

Manual Integration Results



Reviewer: tadesseb, 02-May-2012 12:00:54
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Lab Sample ID: CCVIS 580-112072/2 Calibration Date: 05/25/2012 10:24
 Instrument ID: TAC023 Calib Start Date: 04/26/2012 16:06
 GC Column: ZB-5MS ID: 0.25 (mm) Calib End Date: 04/26/2012 18:38
 Lab File ID: HP28005.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Nitrobenzene-d5	Ave	0.3135	0.3468		544	492	10.6	
Naphthalene	Ave	1.069	0.9912		464	500	-7.3	25.0
2-Methylnaphthalene	Ave	0.6240	0.5528		443	500	-11.4	25.0
1-Methylnaphthalene	Ave	0.6278	0.5879		468	500	-6.4	25.0
2-Fluorobiphenyl	Ave	1.477	1.348		450	493	-8.7	
Acenaphthylene	Ave	1.824	1.734		475	500	-4.9	25.0
Acenaphthene	Ave	1.232	1.157		470	500	-6.1	20.0
Fluorene	Ave	1.277	1.205		472	500	-5.6	25.0
2,4,6-Tribromophenol	Qual		0.1906		419	492	-14.9	
Pentachlorophenol	Qual		0.2124		543	500	8.6	20.0
Phenanthrene	Ave	1.228	1.131		461	500	-7.9	25.0
Anthracene	Ave	1.210	1.090		450	500	-9.9	25.0
Fluoranthene	Ave	1.348	1.245		462	500	-7.7	20.0
Pyrene	Ave	1.403	1.299		463	500	-7.4	25.0
Terphenyl-d14	Ave	1.060	0.9777		447	485	-7.8	
Benzo[a]anthracene	Ave	1.101	1.027		467	500	-6.7	25.0
Chrysene	Ave	1.143	1.054		461	500	-7.7	25.0
Benzo[b]fluoranthene	Ave	1.384	1.288		465	500	-7.0	25.0
Benzo[k]fluoranthene	Ave	1.402	1.462		521	500	4.3	25.0
Benzo[a]pyrene	Ave	1.235	1.182		479	500	-4.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.119	0.9542		426	500	-14.8	25.0
Dibenz(a,h)anthracene	Ave	1.179	1.014		430	500	-14.0	25.0
Benzo[g,h,i]perylene	Ave	1.224	0.9885		404	500	-19.3	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
 Lims ID: ccvis Client ID:
 Inject. Date: 25-May-2012 10:24:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: ccvis
 Misc. Info.: 580-0023449-002 =580-0023449-002
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 112072 Lims Sample ID: 2
 Sublist: chrom-8270C SIM TAC023*sub1
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:13:37

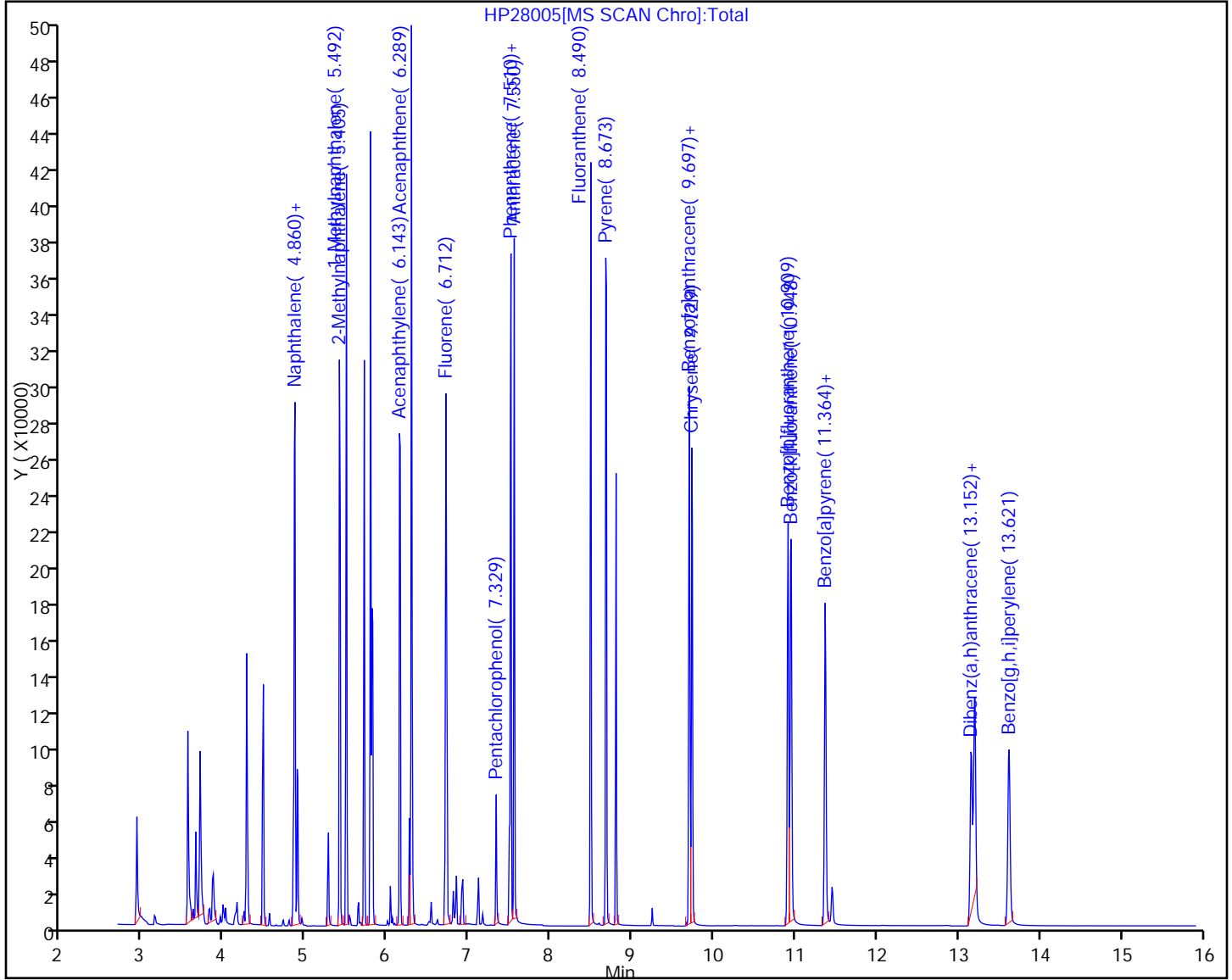
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	26236	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	44540	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	24882	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	37694	98.0	
* 5 Chrysene-d12	240	9.709	9.709	0.0	1	43217	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	31605	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	79825	544.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	168755	450.1	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	23831	418.8	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	182470	447.3	
26 Naphthalene	128	4.860	4.860	0.0	1	231872	463.7	
27 2-Methylnaphthalene	141	5.405	5.415	-0.010	1	129323	442.9	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	137534	468.2	
31 Acenaphthylene	152	6.143	6.143	0.0	1	220147	475.3	
29 Acenaphthene	153	6.289	6.289	0.0	4	146882	469.7	
32 Fluorene	166	6.712	6.712	0.0	1	152980	471.9	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	26968	542.9	M
37 Phenanthrene	178	7.510	7.510	0.0	1	217569	460.6	
38 Anthracene	178	7.550	7.550	0.0	1	209647	450.3	
42 Fluoranthene	202	8.490	8.490	0.0	1	239478	461.5	
41 Pyrene	202	8.680	8.680	0.0	41	249960	463.0	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	226406	466.5	
43 Chrysene	228	9.729	9.729	0.0	1	232382	461.4	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	205757	465.1	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	233565	521.3	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	188896	478.5	
50 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.0	1	152471	426.2	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	162050	430.0	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	157937	403.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1

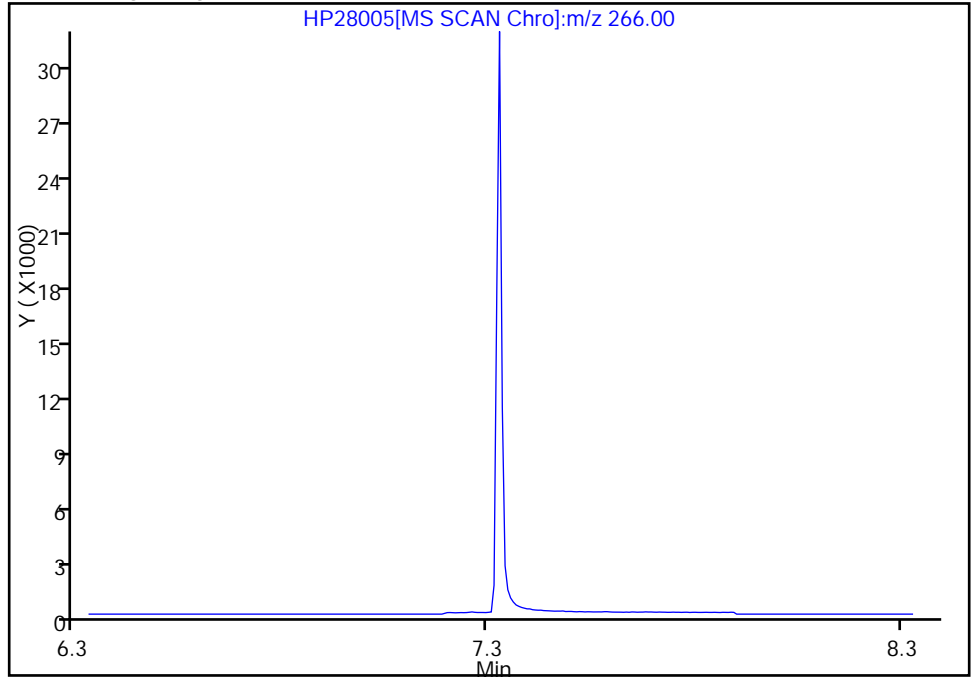


Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

52 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 7.33

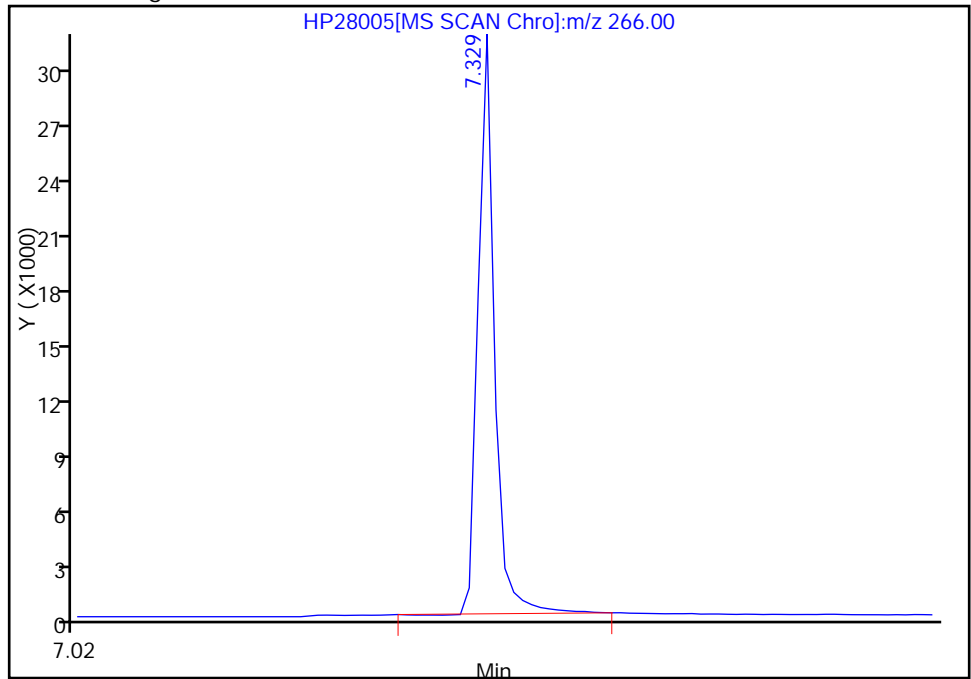
Not Detected
Expected RT: 7.33

Processing Integration Results



RT: 7.33
Response: 26968
Amount: 542.9183

Manual Integration Results



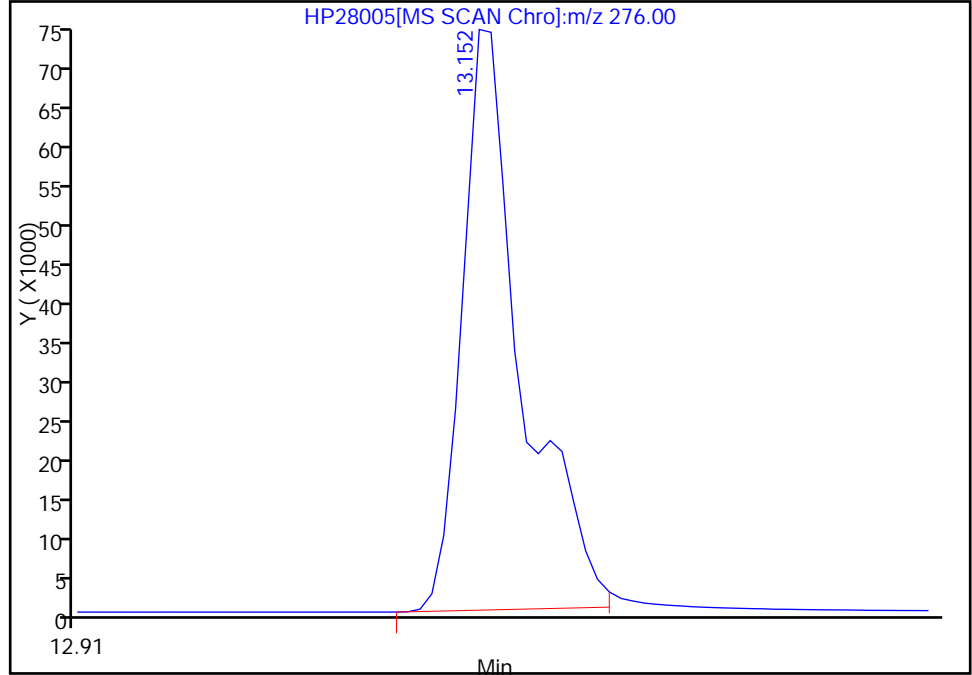
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

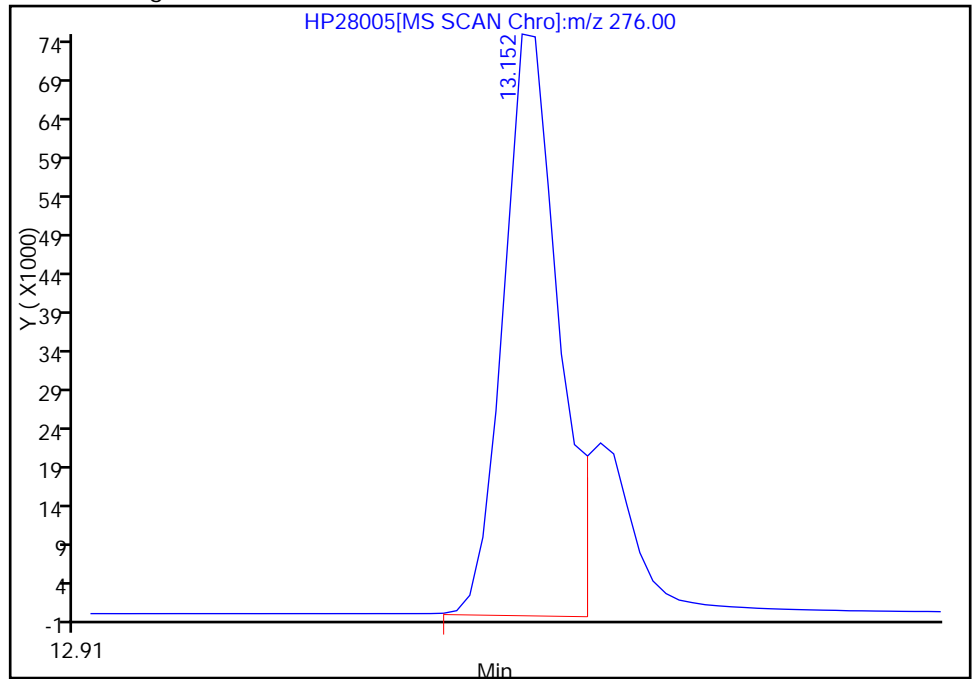
RT: 13.15
Response: 182673
Amount: 510.6595

Processing Integration Results



RT: 13.15
Response: 152471
Amount: 426.2303

Manual Integration Results



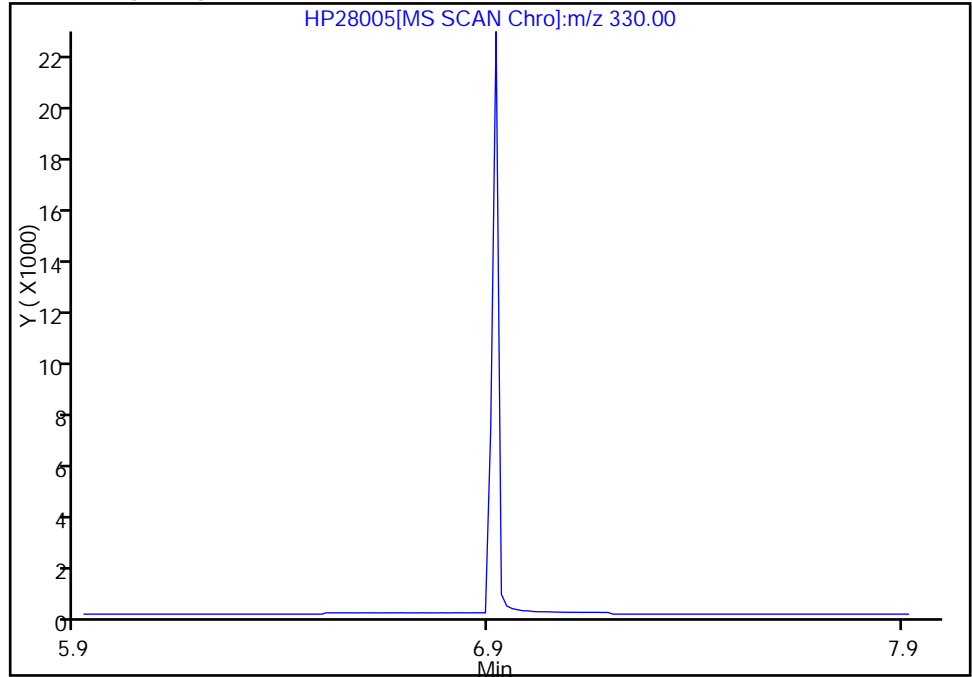
Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Baseline

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28005.D
Injection Date: 25-May-2012 10:24:30 Limit Group: 8270 SIM PAH, PCP
Client ID: Instrument ID: TAC023
Lims Batch ID: 112072 Lims Sample ID: 2
Operator ID: bat Injection Vol: 1.00 ul

\$ 51 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 6.92

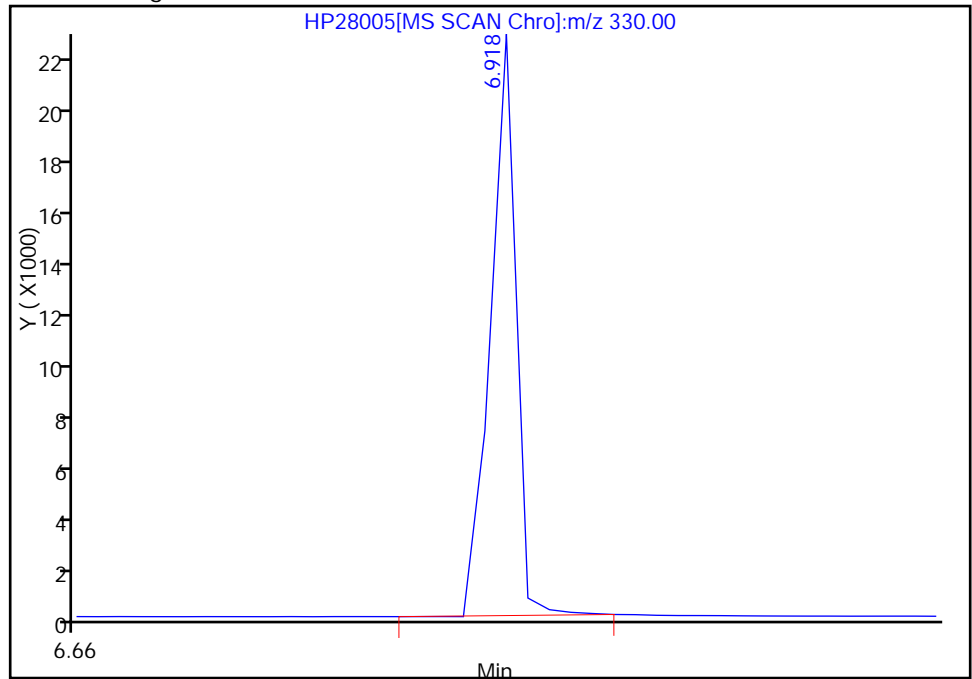
Not Detected
Expected RT: 6.92

Processing Integration Results



RT: 6.92
Response: 23831
Amount: 418.7786

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 11:53:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Lims ID: dftpp Client ID:
 Inject. Date: 26-Apr-2012 15:32:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0022916-001 =580-0022916-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 110125 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120426-22916.b\8270C SIM TAC023.m
 Last Update: 02-May-2012 11:56:12 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: TAITAC0022

First Level Reviewer: tadesseb Date: 02-May-2012 11:56:12

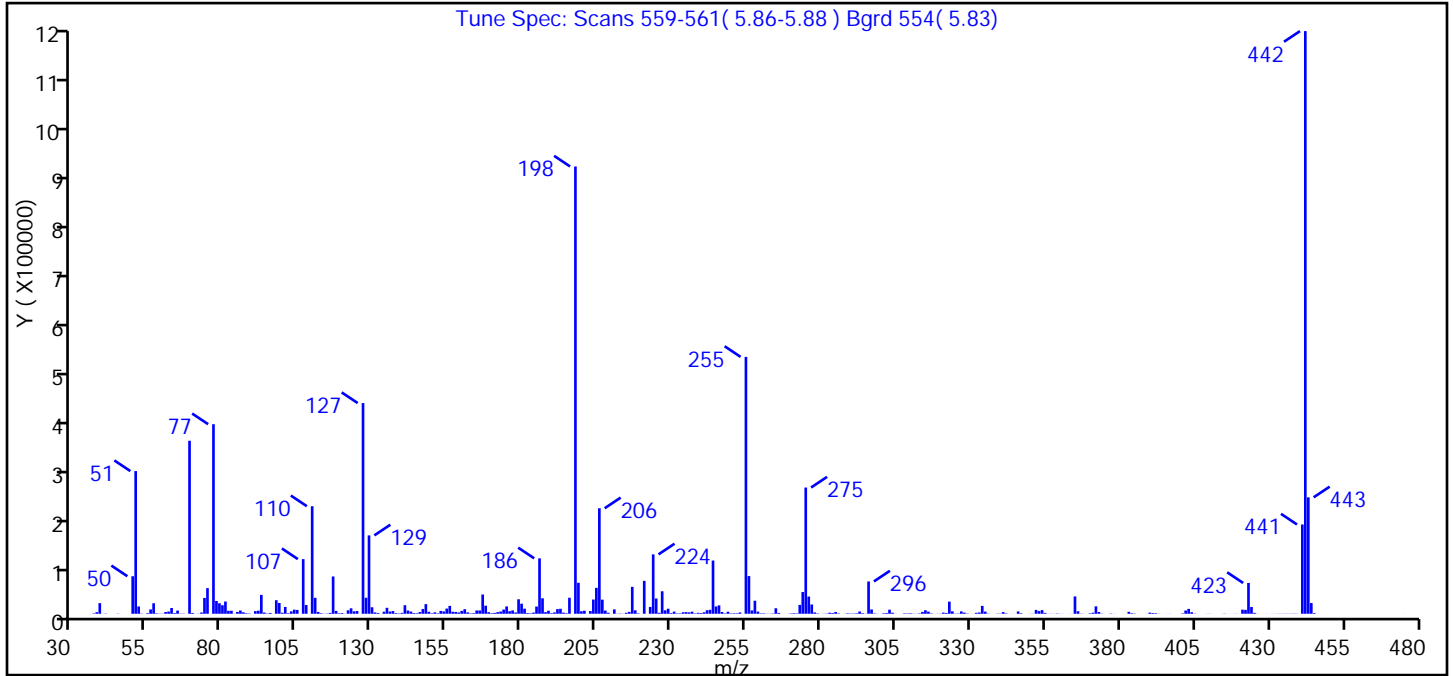
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.405	5.405	0.0	91	1151264	0	
33 DFTPP								
35 Benzidine_T	184	6.915	6.915	0.0	98	4035644	0	
36 4,4'-DDE	246	7.097	7.092	0.005	75	3941	0	
39 4,4'-DDD	235	7.468	7.468	0.0	87	68066	0	M
40 4,4'-DDT	235	7.773	7.773	0.0	97	2398607	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D
 Injection Date: 26-Apr-2012 15:32:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 110125 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	76.76 (76.76)
51	10.00 - 80.00% of mass 442	24.49
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.68
70	Less than 2.00% of mass 69	0.14 (0.47)
127	10.00 - 80.00% of mass 442	36.16
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.93
275	10.00 - 60.00% of mass 442	21.67
365	Greater than 1.00% of mass 442	2.98
441	Present, but less than mass 443%	15.32 (76.68)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	19.98 (19.98)

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 26-Apr-2012 15:32:30
 Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	824	142.00	6177	238.00	719	335.00	4104
38.00	2996	143.00	4165	239.00	1847	336.00	476
39.00	20328	144.00	1390	240.00	1387	337.00	50
40.00	169	145.00	1108	241.00	2812	339.00	431
41.00	464	146.00	3283	242.00	6696	340.00	407
45.00	411	147.00	9006	243.00	7552	341.00	3176
46.00	68	148.00	18408	244.00	101752	342.00	822
50.00	71728	149.00	3866	245.00	14008	343.00	119
51.00	272704	150.00	1032	246.00	16033	344.00	60
52.00	13910	151.00	2679	247.00	3416	345.00	68
53.00	515	152.00	986	248.00	866	346.00	4423
55.00	1291	153.00	5460	249.00	3898	347.00	969
56.00	8293	154.00	4415	250.00	810	350.00	204
57.00	20080	155.00	9918	251.00	1006	351.00	274
58.00	827	156.00	15046	252.00	1004	352.00	7416
59.00	393	157.00	3741	253.00	2514	353.00	5158
60.00	268	158.00	3470	255.00	490944	354.00	6992
61.00	3337	159.00	2369	256.00	72032	355.00	1717
62.00	4170	160.00	5475	257.00	6406	356.00	161
63.00	11059	161.00	8720	258.00	24928	357.00	211
64.00	1409	162.00	2622	259.00	4094	358.00	133
65.00	6047	163.00	797	260.00	819	359.00	571
66.00	417	164.00	1272	261.00	838	360.00	149
67.00	424	165.00	6290	262.00	249	361.00	156
69.00	330688	166.00	6302	263.00	267	363.00	93
70.00	1563	167.00	36808	264.00	667	364.00	154
71.00	89	168.00	15438	265.00	10515	365.00	33136
72.00	272	169.00	2997	266.00	1623	366.00	4843
73.00	2400	170.00	1072	267.00	15	367.00	414
74.00	30256	171.00	1706	268.00	40	368.00	110
75.00	48992	172.00	3062	269.00	99	370.00	957
77.00	362304	173.00	4267	270.00	727	371.00	2057
78.00	24496	174.00	8062	271.00	1120	372.00	14218

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	20064	175.00	14044	272.00	886	373.00	3311
80.00	16270	176.00	4849	273.00	16960	374.00	445
81.00	23392	177.00	6379	274.00	41544	377.00	592
82.00	5689	178.00	2491	275.00	241280	378.00	120
83.00	5808	179.00	27704	276.00	32832	379.00	57
84.00	220	180.00	19256	277.00	17688	381.00	50
85.00	3597	181.00	9770	278.00	2584	383.00	3739
86.00	6220	182.00	1382	279.00	722	384.00	1084
87.00	2798	183.00	945	281.00	253	385.00	466
88.00	968	184.00	2260	282.00	523	389.00	128
89.00	656	185.00	13781	283.00	2017	390.00	2140
91.00	5045	186.00	105944	284.00	1477	391.00	1433
92.00	5876	187.00	29568	285.00	3293	392.00	1096
93.00	36088	188.00	3123	286.00	718	393.00	205
94.00	2329	189.00	5815	288.00	207	395.00	69
95.00	635	190.00	1171	289.00	920	396.00	67
96.00	1529	191.00	2617	290.00	547	397.00	164
98.00	25928	192.00	8896	291.00	583	401.00	838
99.00	20592	193.00	9551	292.00	1025	402.00	6244
100.00	1952	194.00	2228	293.00	4285	403.00	9316
101.00	13020	195.00	1124	294.00	1197	404.00	2932
102.00	1063	196.00	30616	295.00	321	405.00	445
103.00	4597	198.00	854848	296.00	61760	406.00	56
104.00	7879	199.00	59224	297.00	8225	409.00	136
105.00	7362	200.00	4768	298.00	788	410.00	257
107.00	104448	201.00	5817	299.00	214	411.00	50
108.00	16752	203.00	5207	300.00	56	414.00	63
110.00	205568	204.00	27208	301.00	1035	415.00	375
111.00	30480	205.00	49584	302.00	1459	416.00	65
112.00	3501	206.00	201664	303.00	7804	417.00	51
113.00	1035	207.00	26952	304.00	2046	418.00	115
114.00	297	208.00	6099	305.00	197	419.00	194
115.00	583	209.00	1966	308.00	912	420.00	59
116.00	1678	211.00	8380	309.00	714	421.00	7908

Data File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27813.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 26-Apr-2012 15:32:30

Spectrum: Tune Spec: Scans 559-561(5.86-5.88) Bgrd 554(5.83)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 364

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	71288	212.00	302	310.00	1044	422.00	7468
118.00	5440	213.00	575	311.00	337	423.00	58848
119.00	1016	214.00	255	312.00	247	424.00	12930
120.00	1363	215.00	1922	313.00	780	425.00	1721
121.00	199	216.00	3557	314.00	3520	426.00	176
122.00	6630	217.00	51408	315.00	6730	428.00	52
123.00	10435	218.00	6645	316.00	4107	429.00	122
124.00	4704	219.00	891	317.00	731	430.00	60
125.00	5131	221.00	62896	319.00	220	431.00	151
127.00	402688	223.00	13073	320.00	339	432.00	114
128.00	30584	224.00	113528	321.00	2233	433.00	294
129.00	149824	225.00	29144	322.00	1572	434.00	243
130.00	12461	226.00	1886	323.00	23200	435.00	284
131.00	2599	227.00	43032	324.00	4622	436.00	312
132.00	1448	228.00	6708	325.00	463	437.00	310
133.00	53	229.00	9626	326.00	581	438.00	412
134.00	3921	230.00	1415	327.00	4533	439.00	333
135.00	11363	231.00	4122	328.00	2236	440.00	62
136.00	4313	232.00	864	329.00	479	441.00	170624
137.00	5147	233.00	937	330.00	50	442.00	1113600
138.00	1382	234.00	2869	331.00	53	443.00	222528
139.00	729	235.00	3164	332.00	1840	444.00	20488
140.00	1724	236.00	2708	333.00	2501	445.00	1320
141.00	16351	237.00	3922	334.00	15015	475.00	82

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Lims ID: dftpp Client ID:
 Inject. Date: 25-May-2012 10:11:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: 580-0023449-001 =580-0023449-001
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 112072 Lims Sample ID: 1
 Detector: MS SCAN

Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:03 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:13:03

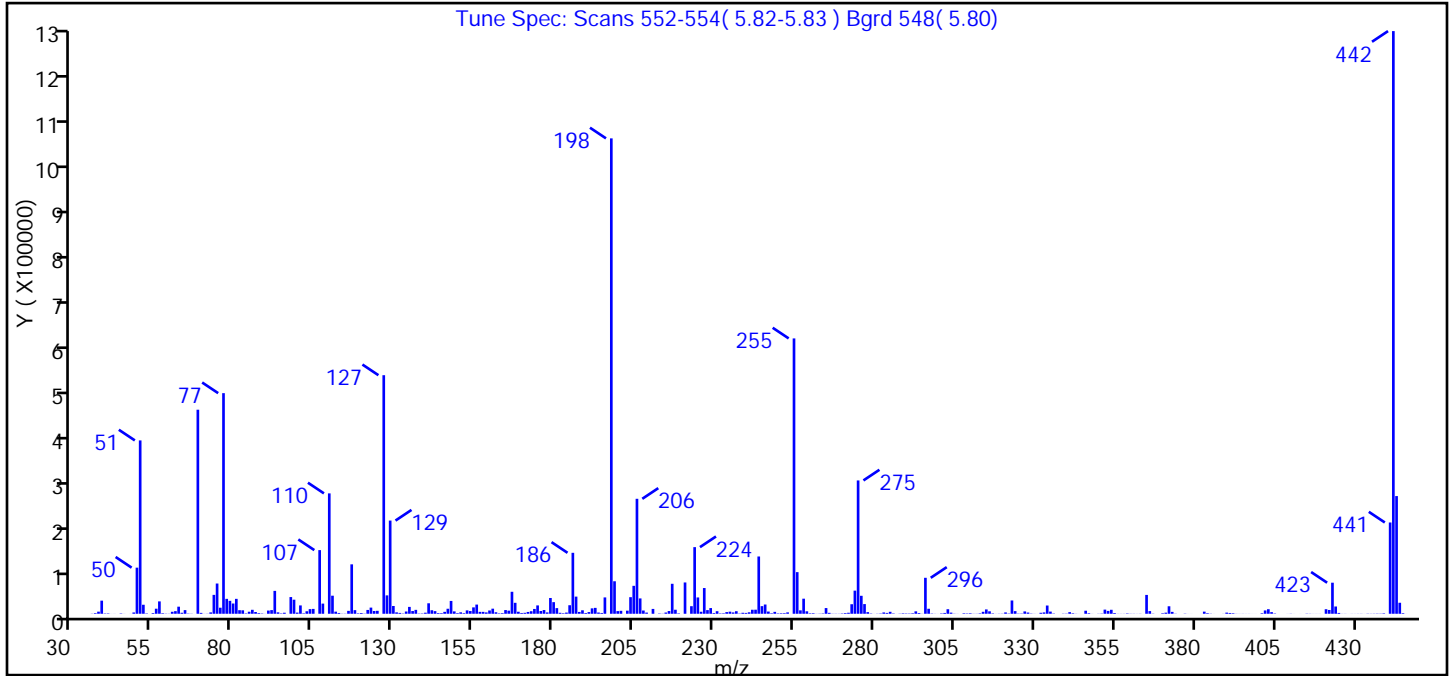
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
30 Pentachlorophenol_T	266	5.364	5.364	0.0	93	1181630	0	
33 DFTPP								
35 Benzidine_T	184	6.868	6.868	0.0	99	3779614	0	
36 4,4'-DDE	246	7.057	7.057	0.0	82	6273	0	
39 4,4'-DDD	235	7.421	7.421	0.0	79	93550	0	M
40 4,4'-DDT	235	7.720	7.720	0.0	98	2886631	0	

QC Flag Legend

Review Flags
 M - Manually Integrated

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D
 Injection Date: 25-May-2012 10:11:30 Limit Group: 8270 SIM PAH, PCP
 Client ID: Instrument ID: TAC023
 Lims Batch ID: 112072 Lims Sample ID: 1
 Operator ID: bat Injection Vol: 1.00 ul
 Tune Method: DFTPP Method 525.2

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, or > 50% of mass 442	81.59 (81.59)
51	10.00 - 80.00% of mass 442	29.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	42.92
70	Less than 2.00% of mass 69	0.15 (0.43)
127	10.00 - 80.00% of mass 442	40.94
197	Less than 2.00% of mass 442	0.00
199	5.00 - 9.00% of mass 442	6.84
275	10.00 - 60.00% of mass 442	22.88
365	Greater than 1.00% of mass 442	3.23
441	Present, but less than mass 443%	15.67 (77.56)
442	Base Peak, or > 50% of mass 198	100.00
443	15.00 - 24.00% of mass 442	20.20 (20.20)

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d
 Injection Date: 25-May-2012 10:11:30
 Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)
 Base Peak: 442.00
 Minimum % Base Peak: 0
 Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	360	138.00	594	238.00	652	334.00	18224
37.00	1436	139.00	768	239.00	2195	335.00	4797
38.00	4652	140.00	2356	240.00	1873	336.00	697
39.00	28992	141.00	23176	241.00	3243	339.00	439
40.00	787	142.00	7808	242.00	8876	340.00	498
41.00	860	143.00	5803	243.00	8993	341.00	3587
42.00	79	144.00	1534	244.00	126592	342.00	1157
43.00	115	145.00	1392	245.00	16848	343.00	237
45.00	775	146.00	4264	246.00	20448	344.00	60
46.00	126	147.00	11085	247.00	4883	346.00	6718
48.00	106	148.00	28360	248.00	1159	347.00	1331
49.00	2861	149.00	5247	249.00	4236	348.00	130
50.00	101904	150.00	1401	250.00	909	350.00	301
51.00	383104	151.00	3191	251.00	1218	351.00	590
52.00	19928	152.00	1395	252.00	1367	352.00	9165
53.00	846	153.00	7476	253.00	3059	353.00	6331
55.00	1561	154.00	6018	255.00	608512	354.00	8790
56.00	11185	155.00	14115	256.00	92016	355.00	1662
57.00	27360	156.00	20296	257.00	7562	356.00	195
58.00	1263	157.00	4213	258.00	33328	357.00	187
59.00	433	158.00	4198	259.00	5454	358.00	210
60.00	293	159.00	2953	260.00	1106	359.00	838
61.00	4394	160.00	7265	261.00	1270	360.00	300
62.00	5777	161.00	11248	262.00	207	361.00	268
63.00	15662	162.00	3339	263.00	418	362.00	163
64.00	2230	163.00	995	264.00	833	363.00	280
65.00	8080	164.00	1435	265.00	12600	365.00	41648
66.00	589	165.00	8207	266.00	2028	366.00	5924
67.00	331	166.00	6891	267.00	345	367.00	455
69.00	450944	167.00	48584	268.00	320	370.00	1198
70.00	1952	168.00	24200	269.00	280	371.00	2430
71.00	132	169.00	4455	270.00	779	372.00	16568
72.00	309	170.00	1747	271.00	1508	373.00	4168

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	3014	171.00	2112	272.00	2253	374.00	362
74.00	41760	172.00	3994	273.00	21096	377.00	488
75.00	66848	173.00	5630	274.00	51128	378.00	68
76.00	13365	174.00	10626	275.00	294656	379.00	62
77.00	487552	175.00	18472	276.00	39720	382.00	57
78.00	32952	176.00	6117	277.00	21400	383.00	4699
79.00	28568	177.00	8270	278.00	3631	384.00	1354
80.00	22688	178.00	2978	279.00	685	385.00	379
81.00	32960	179.00	34872	280.00	69	386.00	64
82.00	7906	180.00	25672	281.00	347	389.00	170
83.00	7656	181.00	12461	282.00	703	390.00	2548
84.00	905	182.00	2166	283.00	2944	391.00	1718
85.00	4504	183.00	1210	284.00	1893	392.00	1221
86.00	8779	184.00	2625	285.00	4351	393.00	224
87.00	3904	185.00	18864	286.00	837	394.00	138
88.00	1464	186.00	134720	287.00	70	395.00	188
89.00	738	187.00	37888	288.00	426	396.00	124
90.00	125	188.00	4052	289.00	1021	397.00	150
91.00	7074	189.00	7703	290.00	763	398.00	59
92.00	8098	190.00	1647	291.00	695	399.00	53
93.00	50584	191.00	3731	292.00	1246	401.00	1301
94.00	3153	192.00	11946	293.00	5346	402.00	7350
95.00	876	193.00	13033	294.00	1670	403.00	10063
96.00	2289	194.00	2738	295.00	245	404.00	3630
98.00	36928	195.00	1774	296.00	79488	405.00	786
99.00	31096	196.00	36128	297.00	11070	409.00	94
100.00	2593	198.00	1050624	298.00	640	410.00	310
101.00	18440	199.00	71832	299.00	206	411.00	65
102.00	1046	200.00	5855	300.00	77	413.00	68
103.00	5535	201.00	6533	301.00	888	415.00	462
104.00	10274	203.00	6873	302.00	1801	416.00	295
105.00	10729	204.00	36664	303.00	10059	417.00	116
107.00	140672	205.00	61736	304.00	2520	418.00	131
108.00	22464	206.00	254080	305.00	372	419.00	132

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28004.D\8270C SIM TAC023.rsl\spectra.d

Injection Date: 25-May-2012 10:11:30

Spectrum: Tune Spec: Scans 552-554(5.82-5.83) Bgrd 548(5.80)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 374

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	266048	207.00	33920	306.00	129	421.00	10071
111.00	39920	208.00	7199	308.00	1175	422.00	8396
112.00	4656	209.00	2624	309.00	829	423.00	68664
113.00	1756	211.00	10708	310.00	1191	424.00	16067
114.00	339	213.00	746	311.00	272	425.00	1851
115.00	387	214.00	335	312.00	291	426.00	184
116.00	6400	215.00	2712	313.00	1004	427.00	198
117.00	109248	216.00	6030	314.00	4337	428.00	50
118.00	7999	217.00	66248	315.00	9577	429.00	160
119.00	1043	218.00	8902	316.00	5419	430.00	131
120.00	1653	219.00	996	317.00	947	431.00	223
121.00	477	221.00	69184	318.00	126	432.00	236
122.00	8449	223.00	16752	319.00	314	433.00	65
123.00	13630	224.00	147264	320.00	385	434.00	416
124.00	6127	225.00	36064	321.00	2971	435.00	291
125.00	6481	226.00	4447	322.00	676	436.00	381
127.00	527232	227.00	56872	323.00	29376	437.00	519
128.00	40640	228.00	8099	324.00	5839	438.00	461
129.00	205952	229.00	12588	325.00	536	439.00	1019
130.00	17200	230.00	1628	326.00	665	441.00	201728
131.00	3122	231.00	5656	327.00	5190	442.00	1287680
132.00	1871	232.00	893	328.00	2741	443.00	260096
133.00	650	233.00	1129	329.00	579	444.00	24320
134.00	5013	234.00	3700	330.00	187	445.00	1375
135.00	15204	235.00	4632	331.00	70	446.00	53
136.00	6052	236.00	2952	332.00	2170		
137.00	8632	237.00	5626	333.00	2980		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 580-111684/1-A
 Matrix: Solid Lab File ID: HP28006.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 11:51
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	ND		0.50	0.20
91-57-6	2-Methylnaphthalene	ND		0.50	0.20
90-12-0	1-Methylnaphthalene	ND		0.50	0.15
208-96-8	Acenaphthylene	ND		0.50	0.15
83-32-9	Acenaphthene	ND		0.50	0.15
86-73-7	Fluorene	ND		0.50	0.15
85-01-8	Phenanthrene	ND		0.50	0.15
120-12-7	Anthracene	ND		0.50	0.15
206-44-0	Fluoranthene	ND		0.50	0.15
129-00-0	Pyrene	ND		0.50	0.15
56-55-3	Benzo[a]anthracene	ND		0.50	0.15
218-01-9	Chrysene	ND		0.50	0.15
205-99-2	Benzo[b]fluoranthene	ND		0.50	0.15
207-08-9	Benzo[k]fluoranthene	ND		0.50	0.15
50-32-8	Benzo[a]pyrene	ND		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	ND		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	ND		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	ND		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28006.D
 Lims ID: MB 580-111684/1-A Client ID:
 Inject. Date: 25-May-2012 11:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 580-111684/1-a
 Misc. Info.: 580-0023449-003 =580-0023449-003
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 112072 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb Date: 25-May-2012 16:14:24

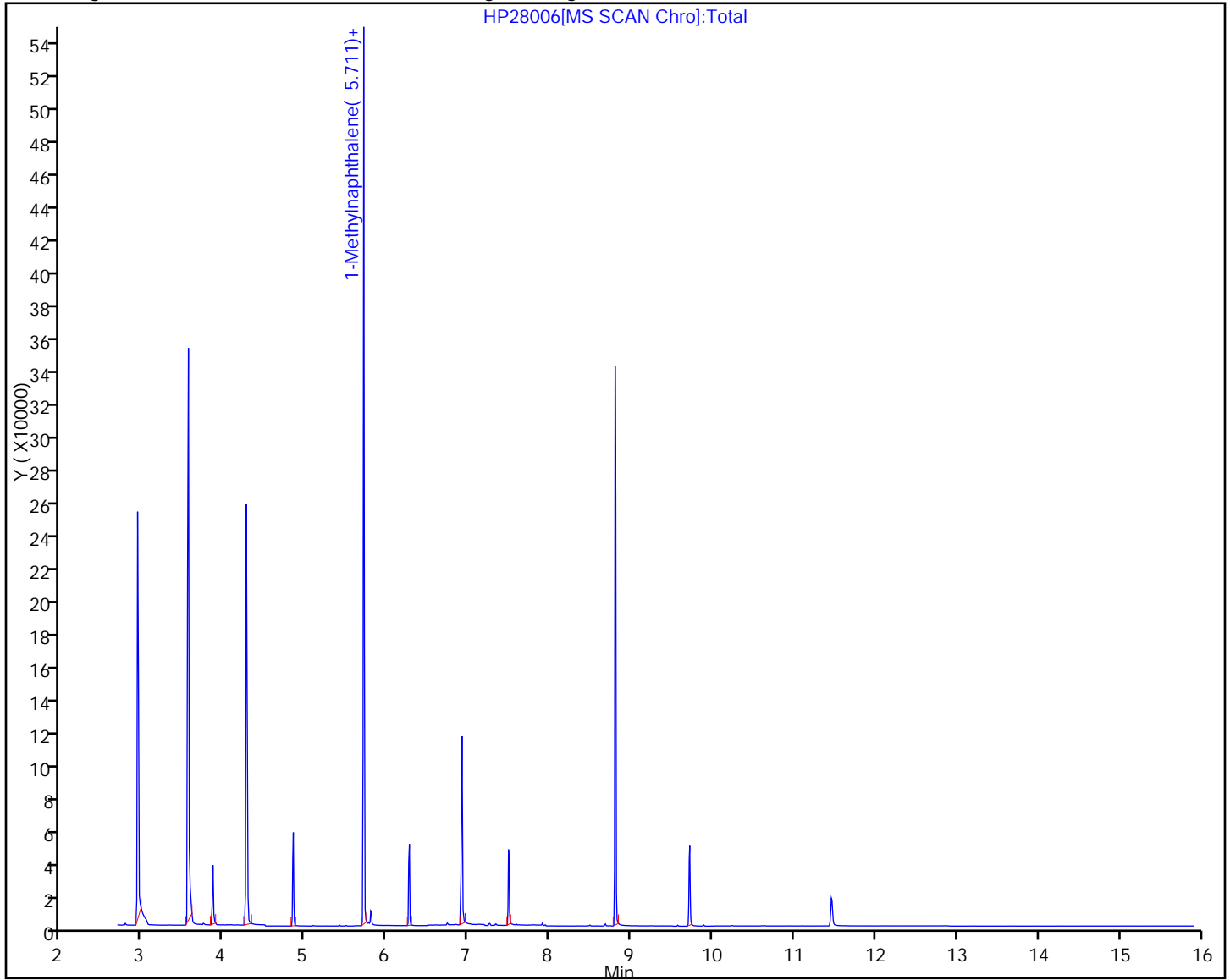
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	17886	95.6	
* 2 Naphthalene-d8	136	4.846	4.839	0.007	1	46569	95.2	
* 3 Acenaphthene-d10	164	6.272	6.264	0.008	1	25232	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	39169	98.0	
* 5 Chrysene-d12	240	9.716	9.709	0.007	1	40860	98.1	
* 6 Perylene-d12	264	11.456	11.448	0.008	1	28574	98.9	
\$ 9 Nitrobenzene-d5	82	4.268	4.268	0.0	1	138839	905.3	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	298406	784.8	
\$ 51 2,4,6-Tribromophenol	330	6.918	6.918	0.0	0	89731	1453.5	M
\$ 12 Terphenyl-d14	244	8.799	8.799	0.0	1	313064	738.5	
27 2-Methylnaphthalene	141	5.415	5.415	0.0	1	204	0.6683	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	158	0.5145	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 580-111684/2-A
 Matrix: Solid Lab File ID: HP28007.D
 Analysis Method: 8270C SIM Date Collected: _____
 Extract. Method: 3550B Date Extracted: 05/18/2012 14:29
 Sample wt/vol: 20(g) Date Analyzed: 05/25/2012 12:12
 Con. Extract Vol.: 2(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 112072 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	89.4		0.50	0.20
91-57-6	2-Methylnaphthalene	85.5		0.50	0.20
90-12-0	1-Methylnaphthalene	85.5		0.50	0.15
208-96-8	Acenaphthylene	93.6		0.50	0.15
83-32-9	Acenaphthene	89.6		0.50	0.15
86-73-7	Fluorene	91.6		0.50	0.15
85-01-8	Phenanthrene	90.4		0.50	0.15
120-12-7	Anthracene	88.1		0.50	0.15
206-44-0	Fluoranthene	94.7		0.50	0.15
129-00-0	Pyrene	93.5		0.50	0.15
56-55-3	Benzo[a]anthracene	93.6		0.50	0.15
218-01-9	Chrysene	90.5		0.50	0.15
205-99-2	Benzo[b]fluoranthene	97.1		0.50	0.15
207-08-9	Benzo[k]fluoranthene	109		0.50	0.15
50-32-8	Benzo[a]pyrene	97.4		0.50	0.15
193-39-5	Indeno[1,2,3-cd]pyrene	84.6		0.50	0.15
53-70-3	Dibenz(a,h)anthracene	87.8		0.50	0.15
191-24-2	Benzo[g,h,i]perylene	80.9		0.50	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		42-151

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D
 Lims ID: LCS 580-111684/2-A Client ID:
 Inject. Date: 25-May-2012 12:12:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: lcs 580-111684/2-a
 Misc. Info.: 580-0023449-004 =580-0023449-004
 Operator: bat Instrument ID: TAC023
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 112072 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\tacsrv5\ChromData\TAC023\20120525-23449.b\8270C SIM TAC023.m
 Last Update: 25-May-2012 16:13:37 Calib Date: 26-Apr-2012 18:38:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\tacsrv5\ChromData\TAC023\20120426-22916.b\HP27822.D
 Limit Group: 8270 SIM PAH, PCP
 Integrator: Falcon ID Type: RT Order ID
 Process Host: CORPXA45-07

First Level Reviewer: tadesseb

Date: 25-May-2012 16:14:55

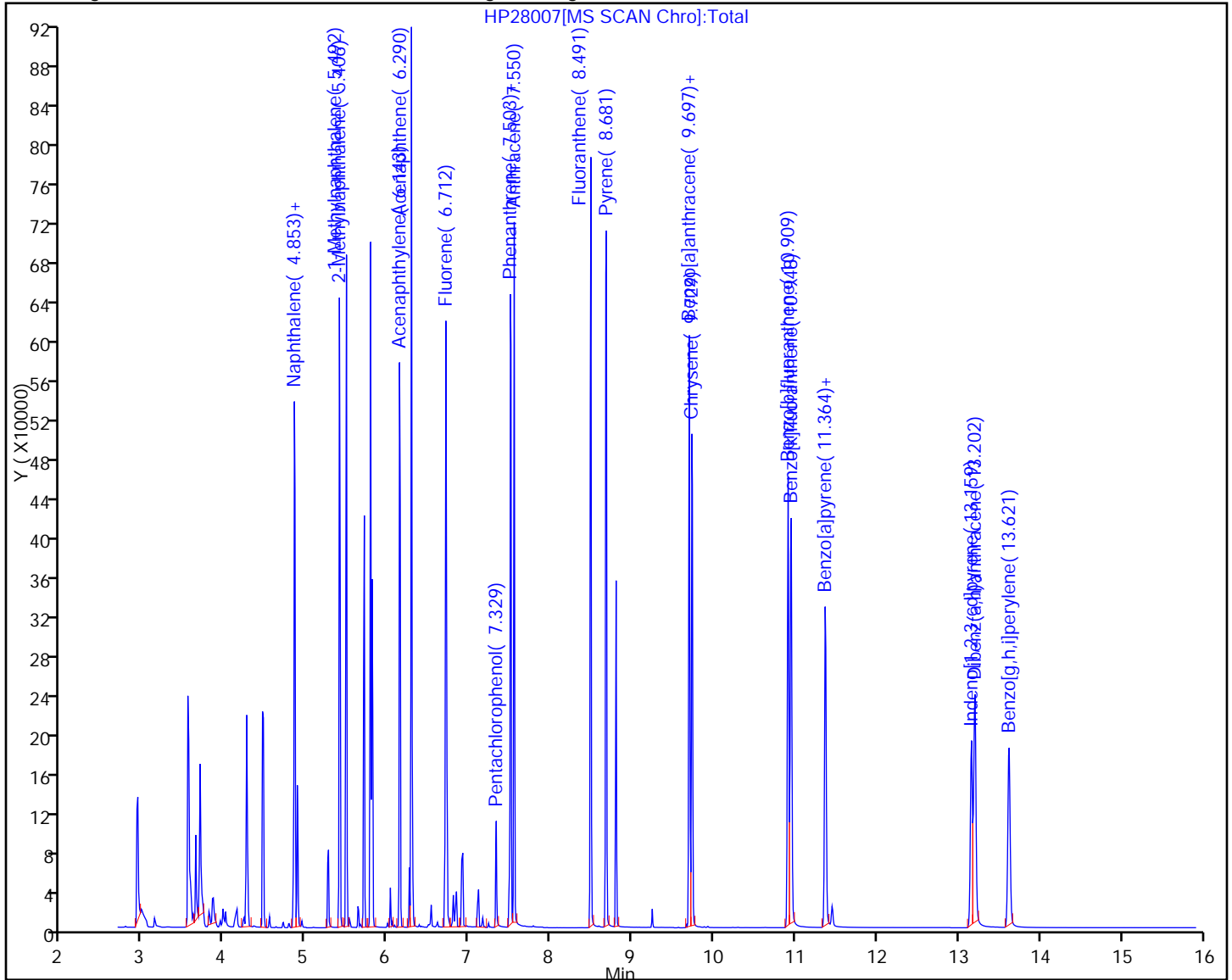
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	150	3.859	3.859	0.0	1	34419	95.6	
* 2 Naphthalene-d8	136	4.839	4.839	0.0	1	42276	95.2	
* 3 Acenaphthene-d10	164	6.264	6.264	0.0	1	23915	98.0	
* 4 Phenanthrene-d10	188	7.490	7.490	0.0	1	36002	98.0	
* 5 Chrysene-d12	240	9.710	9.709	0.001	1	42854	98.1	
* 6 Perylene-d12	264	11.448	11.448	0.0	1	29429	98.9	
\$ 9 Nitrobenzene-d5	82	4.269	4.268	0.001	1	121569	873.2	
\$ 11 2-Fluorobiphenyl	172	5.711	5.711	0.0	1	259608	720.4	
\$ 51 2,4,6-Tribromophenol	330	6.919	6.918	0.001	0	78320	1347.3	M
\$ 12 Terphenyl-d14	244	8.800	8.799	0.001	1	270816	695.1	
26 Naphthalene	128	4.853	4.860	-0.007	1	424542	894.4	
27 2-Methylnaphthalene	141	5.406	5.415	-0.009	1	236810	854.5	
28 1-Methylnaphthalene	141	5.492	5.492	0.0	1	238364	854.9	
31 Acenaphthylene	152	6.143	6.143	0.0	1	416778	936.1	
29 Acenaphthene	153	6.290	6.289	0.001	3	269252	895.8	
32 Fluorene	166	6.712	6.712	0.0	1	285296	915.7	
52 Pentachlorophenol	266	7.329	7.329	0.0	0	43004	874.2	M
37 Phenanthrene	178	7.503	7.510	-0.007	1	407779	903.8	
38 Anthracene	178	7.550	7.550	0.0	1	391608	880.6	
42 Fluoranthene	202	8.491	8.490	0.0	1	469549	947.5	
41 Pyrene	202	8.681	8.680	0.001	41	481895	934.5	
44 Benzo[a]anthracene	228	9.697	9.697	0.0	1	450320	935.8	
43 Chrysene	228	9.729	9.729	0.0	1	451871	904.7	
45 Benzo[b]fluoranthene	252	10.909	10.909	0.0	1	399787	970.6	
46 Benzo[k]fluoranthene	252	10.948	10.948	0.0	1	455105	1090.9	
47 Benzo[a]pyrene	252	11.364	11.364	0.0	1	358135	974.3	
50 Indeno[1,2,3-cd]pyrene	276	13.159	13.152	0.007	1	281836	846.1	M
49 Dibenz(a,h)anthracene	278	13.202	13.202	0.0	1	307909	877.5	
51 Benzo[g,h,i]perylene	276	13.621	13.621	0.0	1	294549	808.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Data File: \\tacsrv5\ChromData\TAC023\20120525-23449.b\HP28007.D

Injection Date: 25-May-2012 12:12:30

Limit Group: 8270 SIM PAH, PCP

Client ID:

Instrument ID: TAC023

Lims Batch ID: 112072

Lims Sample ID: 4

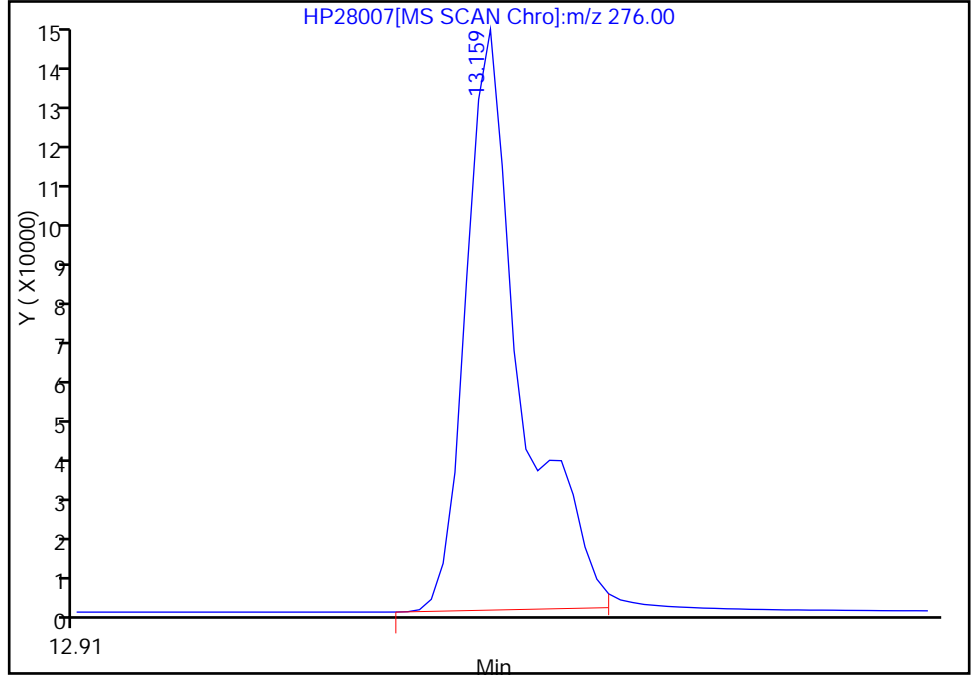
Operator ID: bat

Injection Vol: 1.00 ul

50 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 13.15

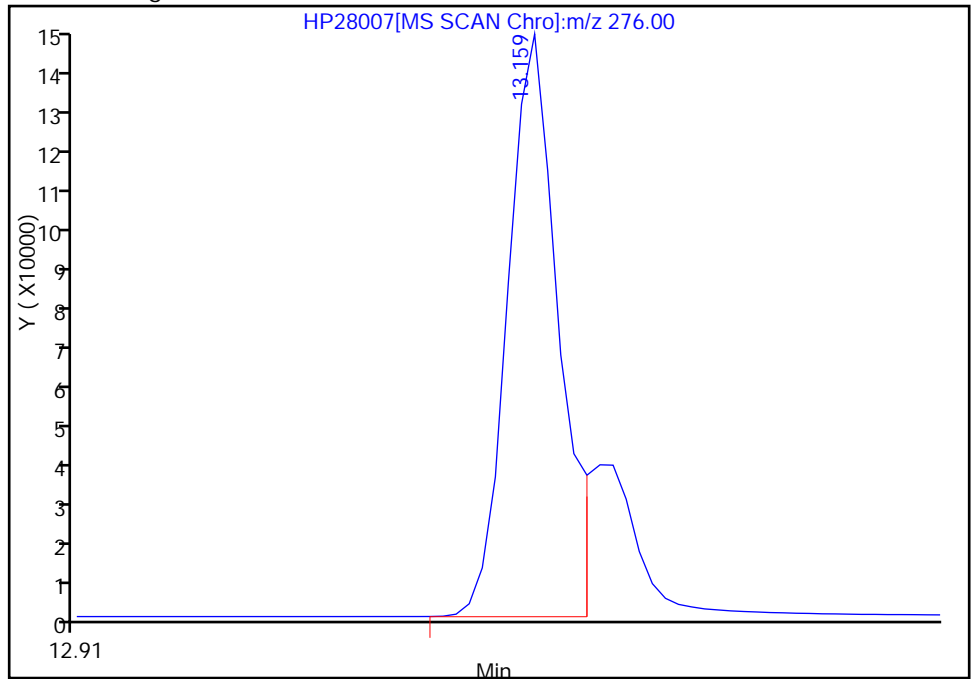
RT: 13.16
Response: 342665
Amount: 1028.7436

Processing Integration Results



RT: 13.16
Response: 281836
Amount: 846.1237

Manual Integration Results



Reviewer: tadesseb, 25-May-2012 12:52:38

Audit Action: Manually Integrated

Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 04/26/2012 15:32Analysis Batch Number: 110125 End Date: 04/26/2012 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-110125/1		04/26/2012 15:32	1	HP27813.D	ZB-5MS 0.25 (mm)
IC 580-110125/3		04/26/2012 16:06	1	HP27815.D	ZB-5MS 0.25 (mm)
IC 580-110125/4		04/26/2012 16:28	1	HP27816.D	ZB-5MS 0.25 (mm)
IC 580-110125/5		04/26/2012 16:50	1	HP27817.D	ZB-5MS 0.25 (mm)
IC 580-110125/6		04/26/2012 17:11	1	HP27818.D	ZB-5MS 0.25 (mm)
ICIS 580-110125/7		04/26/2012 17:33	1	HP27819.D	ZB-5MS 0.25 (mm)
IC 580-110125/8		04/26/2012 17:55	1	HP27820.D	ZB-5MS 0.25 (mm)
IC 580-110125/9		04/26/2012 18:16	1	HP27821.D	ZB-5MS 0.25 (mm)
IC 580-110125/10		04/26/2012 18:38	1	HP27822.D	ZB-5MS 0.25 (mm)
ICV 580-110125/11		04/26/2012 19:00	1	HP27823.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: TAC023 Start Date: 05/25/2012 10:11Analysis Batch Number: 112072 End Date: 05/25/2012 15:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-112072/1		05/25/2012 10:11	1	HP28004.D	ZB-5MS 0.25 (mm)
CCVIS 580-112072/2		05/25/2012 10:24	1	HP28005.D	ZB-5MS 0.25 (mm)
MB 580-111684/1-A		05/25/2012 11:51	1	HP28006.D	ZB-5MS 0.25 (mm)
LCS 580-111684/2-A		05/25/2012 12:12	1	HP28007.D	ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 12:34	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 12:56	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 13:17	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 13:39	1		ZB-5MS 0.25 (mm)
ZZZZZ		05/25/2012 14:01	1		ZB-5MS 0.25 (mm)
580-32844-5	JW-UR-COMP-120508	05/25/2012 14:22	1	HP28013.D	ZB-5MS 0.25 (mm)
580-32844-10	JW-DR-COMP-120508	05/25/2012 14:44	1	HP28014.D	ZB-5MS 0.25 (mm)
580-32844-15	JW-RG-COMP-120508	05/25/2012 15:06	1	HP28015.D	ZB-5MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111684 Batch Start Date: 05/18/12 14:29 Batch Analyst: Palmer, SonyaBatch Method: 3550B Batch End Date: 05/21/12 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8270 ARC Surr 00003	8270LLflspk 00005		
MB 580-111684/1		3550B, 8270C SIM		20 g	2 mL	100 uL			
LCS 580-111684/2		3550B, 8270C SIM		20 g	2 mL	100 uL	500 uL		
580-32844-C-5	JW-UR-COMP-12050 8	3550B, 8270C SIM	T	20.9473 g	2 mL	100 uL			
580-32844-C-10	JW-DR-COMP-12050 8	3550B, 8270C SIM	T	20.0203 g	2 mL	100 uL			
580-32844-C-15	JW-RG-COMP-12050 8	3550B, 8270C SIM	T	20.3033 g	2 mL	100 uL			

Batch Notes	
Acid used for Clean Up Reagent	861553
Balance ID	SEA222
Blank Soil Lot Number	817693
Person's name who did the concentration	spalmer
Na2SO4 Lot Number	832174
Prep Solvent Lot #	900005
Prep Solvent Name	DCM
Prep Solvent Volume Used	10 (verified volumetrically) mL
Person's name who did the prep	spalmer
ID number of the thermometer	101696187
Uncorrected Temperature	51.3-61.3 Celsius
Vendor of Reagent used	JTB
Water Bath ID	WB1
Water Bath Temperature	50.8-60.8 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	20000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	23000	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1300	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1400	1000		mg/Kg			1	Lloyd Kahn

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1200	1000		mg/Kg			1	Lloyd Kahn

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Analyst: AM Batch Start Date: 06/11/2012
 Reporting Units: mg/Kg Analytical Batch No.: 113152

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
2	ICB	18:07	Total Organic Carbon	ND					
12	CCV	18:45	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
13	CCB	18:47	Total Organic Carbon	ND					
24	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
25	CCB	19:35	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32844-1
 SDG No.: _____
 Analyst: AJN Batch Start Date: 05/29/2012
 Reporting Units: mg/Kg Analytical Batch No.: 39415

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:55	Black Carbon	706000	711000	99	85-115		WCLKCCVs_00006
2	ICB	12:02	Black Carbon	ND					
9	CCV	13:28	Black Carbon	756000	711000	106	85-115		WCLKCCVs_00006
10	CCB	13:35	Black Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113152 Date: 06/11/2012 18:09							
9060_PSEP	MB 580-113152/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32844-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39415 Date: 05/29/2012 12:09							
Lloyd Kahn	MB 200-39415/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	Black Carbon	ND		mg/Kg	1000	1

7A-IN
 LAB CONTROL SAMPLE
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1
 SDG No.: _____
 Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113152		Date: 06/11/2012 18:11									
						LCS Source: TOCS_LCS_00002					
9060_PS	LCS	Total Organic Carbon	2830		mg/Kg	2720	104	34-166			
EP	580-113152/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32844-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39415		Date: 05/29/2012 12:22									
						LCS Source: WCBCLCSs_00006					
Lloyd	LCS	Black Carbon	13100		mg/Kg	9900	132	50-150			
Kahn	200-39415/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32844-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/11/2012 18:05 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113152/1	1		18:05	X															
ZZZZZZ			18:05																
ICB 580-113152/2	1		18:07	X															
MB 580-113152/3	1	T	18:09	X															
LCS 580-113152/4	1	T	18:11	X															
ZZZZZZ			18:16																
ZZZZZZ			18:20																
ZZZZZZ			18:24																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:35																
ZZZZZZ			18:40																
CCV 580-113152/12	1		18:45	X															
CCB 580-113152/13	1		18:47	X															
ZZZZZZ			18:49																
ZZZZZZ			18:53																
ZZZZZZ			18:58																
580-32844-5	1	T	19:02	X															
580-32844-10	1	T	19:06	X															
580-32844-15	1	T	19:10	X															
ZZZZZZ			19:15																
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:28																
CCV 580-113152/24	1		19:33	X															
CCB 580-113152/25	1		19:35	X															
ZZZZZZ			19:38																
ZZZZZZ			19:42																
ZZZZZZ			19:47																
ZZZZZZ			19:52																
ZZZZZZ			19:57																
ZZZZZZ			20:01																
CCV 580-113152/32			20:10																
CCB 580-113152/33			20:12																

Prep Types
T = Total/NA

13-IN
 ANALYSIS RUN LOG
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/21/2012 14:39 End Date: 05/21/2012 14:39

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
580-32844-5	1	T	14:39	X	X																
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
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ZZZZZZ			14:39																		
ZZZZZZ			14:39																		
ZZZZZZ			14:39																		

Prep Types
 T = Total/NA

13-IN
 ANALYSIS RUN LOG
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/21/2012 15:18 End Date: 05/21/2012 15:18

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
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ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
ZZZZZZ			15:18																		
580-32844-10	1	T	15:18	X	X																
580-32844-15	1	T	15:18	X	X																

Prep Types
 T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32844-1

SDG No.: _____

Instrument ID: WCCH2 Method: Lloyd Kahn

Start Date: 05/29/2012 11:55 End Date: 05/29/2012 13:35

Lab Sample ID	D / F	T y p e	Time	Analytes															
				B C															
ICV 200-39415/1	1		11:55	X															
ICB 200-39415/2	1		12:02	X															
MB 200-39415/3	1	T	12:09	X															
LCS 200-39415/4	1	T	12:22	X															
580-32844-5	1	T	12:35	X															
580-32844-10	1	T	12:48	X															
580-32844-15	1	T	13:01	X															
ZZZZZZ			13:14																
CCV 200-39415/9	1		13:28	X															
CCB 200-39415/10	1		13:35	X															

Prep Types

T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2289	TA SOIL LINNEAR	6/11/2012 6:09:26 PM	-0.01515	E10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSCRM		0.1915	TA SOIL LINNEAR	6/11/2012 6:11:38 PM	0.2828	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.1561	0.1124 TA SOIL LINNEAR	6/11/2012 6:14:09 PM	7.438	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-3		0.0996	TA SOIL LINNEAR	6/11/2012 6:16:20 PM	0.7982	A03
33192-A-3		0.1002	TA SOIL LINNEAR	6/11/2012 6:18:17 PM	0.8087	A04
Average		0.0999			0.8034	
Std. Deviation		0.0004			0.00741	
RSD		0.425			0.922	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4		0.1069	TA SOIL LINNEAR	6/11/2012 6:20:28 PM	0.7747	A05
33192-A-4		0.0999	TA SOIL LINNEAR	6/11/2012 6:22:39 PM	0.7627	A06
Average		0.1034			0.7687	
Std. Deviation		0.005			0.00848	
RSD		4.787			1.103	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 dup		0.0983	TA SOIL LINNEAR	6/11/2012 6:24:50 PM	0.7951	A07
33192-A-4 dup		0.0962	TA SOIL LINNEAR	6/11/2012 6:26:47 PM	0.7897	A08
Average		0.0973			0.7924	
Std. Deviation		0.001			0.00385	
RSD		1.527			0.486	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 trip		0.1086	TA SOIL LINNEAR	6/11/2012 6:28:58 PM	0.8594	A09
33192-A-4 trip		0.0970	TA SOIL LINNEAR	6/11/2012 6:30:54 PM	0.8176	A10
Average		0.1028			0.8385	
Std. Deviation		0.008			0.02957	
RSD		7.979			3.526	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR	6/11/2012 6:33:16 PM	11.80	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR	6/11/2012 6:35:56 PM	21.06	B02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-5		0.1148	TA SOIL LINNEAR	6/11/2012 6:40:30 PM	0.8209	B03
33192-A-5		0.1052	TA SOIL LINNEAR	6/11/2012 6:42:41 PM	0.8639	B04
Average		0.1100			0.8424	
Std. Deviation		0.007			0.03040	
RSD		6.171			3.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1171	TA SOIL LINNEAR	6/11/2012 6:45:16 PM	12.11	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.2116	TA SOIL LINNEAR	6/11/2012 6:47:27 PM	-0.003191	B06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-1		0.1109	TA SOIL LINNEAR	6/11/2012 6:49:38 PM	1.275	B07
33209-A-1		0.0996	TA SOIL LINNEAR	6/11/2012 6:51:49 PM	1.295	B08
Average		0.1053			1.285	
Std. Deviation		0.008			0.0142	
RSD		7.592			1.102	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-2		0.1073	TA SOIL LINNEAR	6/11/2012 6:53:46 PM	1.226	B09
33209-A-2		0.1103	TA SOIL LINNEAR	6/11/2012 6:55:58 PM	1.041	B10
Average		0.1088			1.133	
Std. Deviation		0.002			0.1306	
RSD		1.950			11.53	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-3		0.1119	TA SOIL LINNEAR	6/11/2012 6:58:09 PM	1.105	C01
33209-A-3		0.0982	TA SOIL LINNEAR	6/11/2012 8:08:05 PM	1.147	A04
Average		0.1051			1.126	
Std. Deviation		0.010			0.0294	
RSD		9.222			2.606	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-5		0.1990	TA SOIL LINNEAR	6/11/2012 7:02:17 PM	2.028	C03
32844-A-5		0.1977	TA SOIL LINNEAR	6/11/2012 7:04:28 PM	2.013	C04
Average		0.1984			2.021	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0009			0.0107	
RSD		0.463			0.531	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-10		0.2064	TA SOIL LINNEAR	6/11/2012 7:06:28 PM	2.038	C05
32844-A-10		0.2153	TA SOIL LINNEAR	6/11/2012 7:08:39 PM	2.020	C06
Average		0.2108			2.029	
Std. Deviation		0.006			0.0124	
RSD		2.985			0.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-15		0.1966	TA SOIL LINNEAR	6/11/2012 7:10:37 PM	2.215	C07
32844-A-15		0.1996	TA SOIL LINNEAR	6/11/2012 7:12:49 PM	2.407	C08
Average		0.1981			2.311	
Std. Deviation		0.002			0.1361	
RSD		1.071			5.888	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32847-A-5		0.2112	TA SOIL LINNEAR	6/11/2012 7:15:00 PM	0.6676	C09
32847-A-5		0.2022	TA SOIL LINNEAR	6/11/2012 7:17:11 PM	0.8198	C10
Average		0.2067			0.7437	
Std. Deviation		0.006			0.10759	
RSD		3.079			14.47	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42223-A-15		0.1965	TA SOIL LINNEAR	6/11/2012 7:19:11 PM	1.745	D01
720-42223-A-15		0.1987	TA SOIL LINNEAR	6/11/2012 7:21:22 PM	1.825	D02
Average		0.1976			1.785	
Std. Deviation		0.002			0.0562	
RSD		0.787			3.150	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-1		0.2038	TA SOIL LINNEAR	6/11/2012 7:23:44 PM	0.3551	D03
720-42242-A-1		0.1987	TA SOIL LINNEAR	6/11/2012 7:26:06 PM	0.3288	D04
Average		0.2012			0.3420	
Std. Deviation		0.004			0.01860	
RSD		1.792			5.440	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-6		0.2179	TA SOIL LINNEAR	6/11/2012 7:28:29 PM	0.2799	D05
720-42242-A-6		0.2009	TA SOIL LINNEAR	6/11/2012 7:30:56 PM	0.2810	D06
Average		0.2094			0.2804	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.01			0.00077	
RSD		5.741			0.275	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-1		0.2136	TA SOIL LINNEAR	6/11/2012 7:38:14 PM	0.3706	D09
720-42243-A-1		0.2129	TA SOIL LINNEAR	6/11/2012 7:40:37 PM	0.3626	D10
Average		0.2133			0.3666	
Std. Deviation		0.0005			0.00571	
RSD		0.232			1.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-6		0.2174	TA SOIL LINNEAR	6/11/2012 7:42:59 PM	0.3195	E01
720-42243-A-6		0.2162	TA SOIL LINNEAR	6/11/2012 7:45:24 PM	0.3252	E02
Average		0.2168			0.3223	
Std. Deviation		0.0008			0.00406	
RSD		0.391			1.260	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-1		0.1986	TA SOIL LINNEAR	6/11/2012 7:47:37 PM	0.3033	E03
720-42244-A-1		0.2097	TA SOIL LINNEAR	6/11/2012 7:50:00 PM	0.3256	E04
Average		0.2041			0.3145	
Std. Deviation		0.008			0.01577	
RSD		3.845			5.015	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-6		0.1980	TA SOIL LINNEAR	6/11/2012 7:52:29 PM	0.2499	E05
720-42244-A-6		0.2148	TA SOIL LINNEAR	6/11/2012 7:54:58 PM	0.2909	E06
Average		0.2064			0.2704	
Std. Deviation		0.01			0.02898	
RSD		5.756			10.72	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-1		0.2063	TA SOIL LINNEAR	6/11/2012 7:57:09 PM	2.628	E07
720-42245-A-1		0.1989	TA SOIL LINNEAR	6/11/2012 7:59:07 PM	2.406	E08
Average		0.2026			2.517	
Std. Deviation		0.005			0.1570	
RSD		2.583			6.237	

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-6		0.2016	TA SOIL LINNEAR	6/11/2012 8:01:21 PM	0.9296	E09
720-42245-A-6		0.2005	TA SOIL LINNEAR	6/11/2012 8:03:32 PM	1.159	E10
Average		0.2011			1.044	
Std. Deviation		0.0008			0.1625	
RSD		0.387			15.56	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

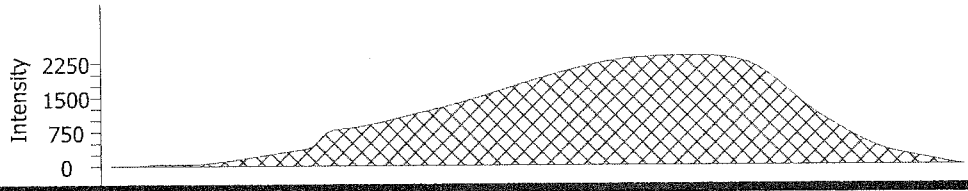
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:05:00 PM		E08	

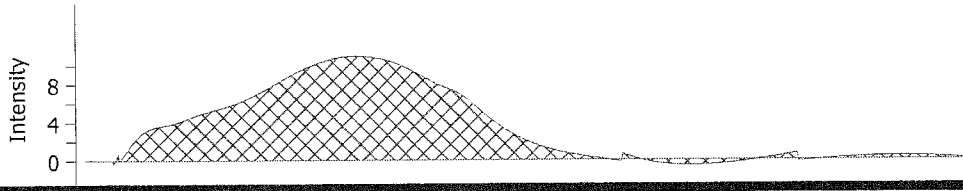
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:07:13 PM		E09	

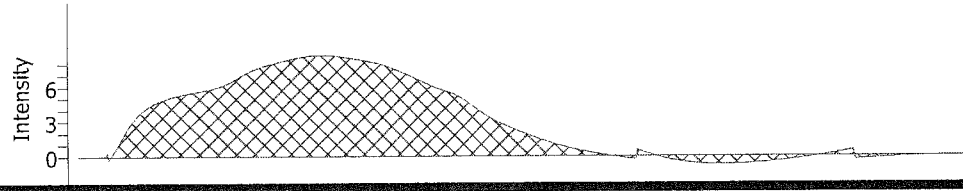
Carbon %
-0.01494



MB

Name	Description	Mass	Method
MB		0.2289	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:09:26 PM		E10	

Carbon %
-0.01515

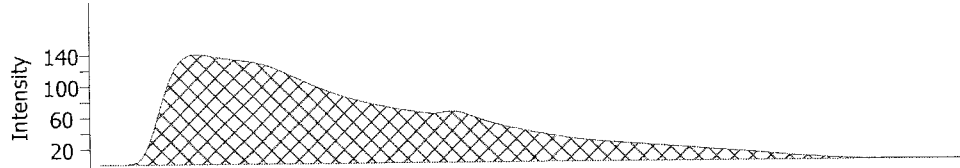


SC632

LCSCRM

Name	Description	Mass	Method
LCSCRM		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:11:38 PM		A01	

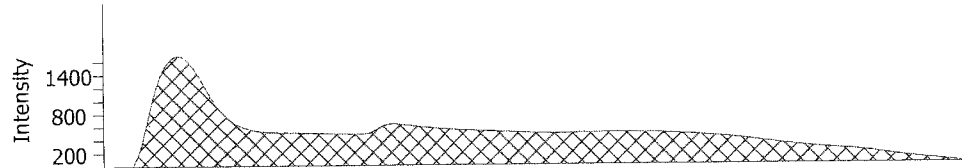
Carbon %
0.2828



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.1561	0.1124	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:14:09 PM		A02	

Carbon %
7.438



33192-A-3

Name	Description	Mass	Method
33192-A-3		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:16:20 PM		A03	

Carbon %
0.7982

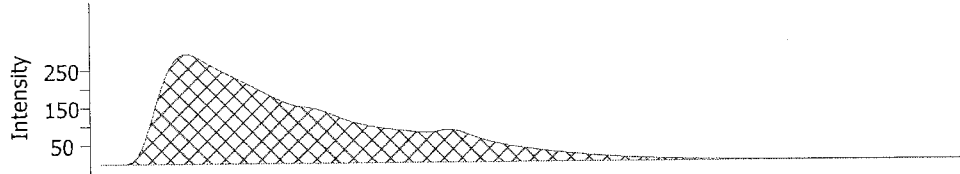


SC632

33192-A-3

Name	Description	Mass	Method
33192-A-3		0.1002	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:18:17 PM	A04		

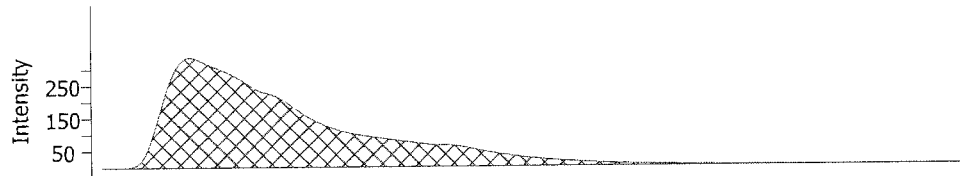
Carbon %
0.8087



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.1069	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:20:28 PM	A05		

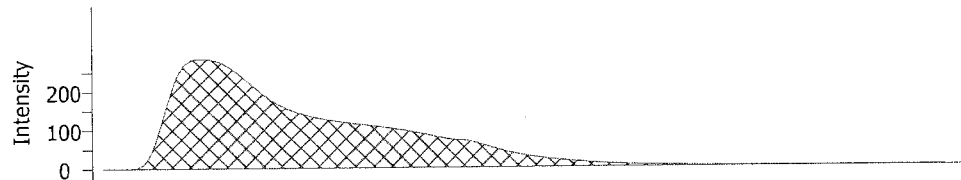
Carbon %
0.7747



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.0999	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:22:39 PM	A06		

Carbon %
0.7627

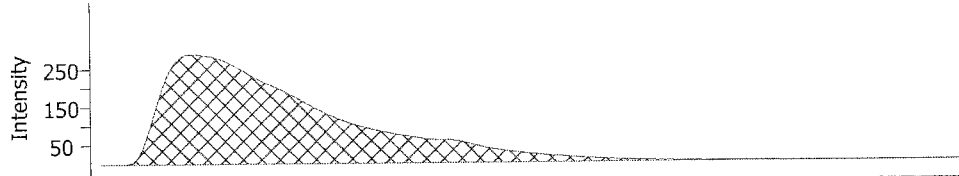


SC632

33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0983	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:24:50 PM		A07	

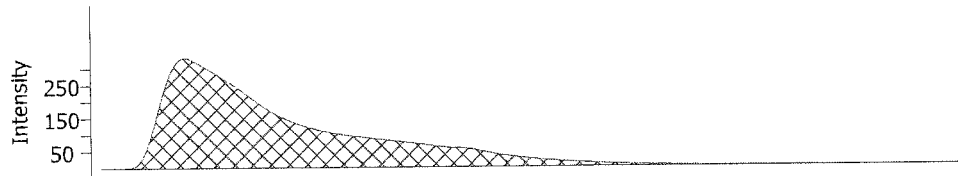
Carbon %
0.7951



33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0962	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:26:47 PM		A08	

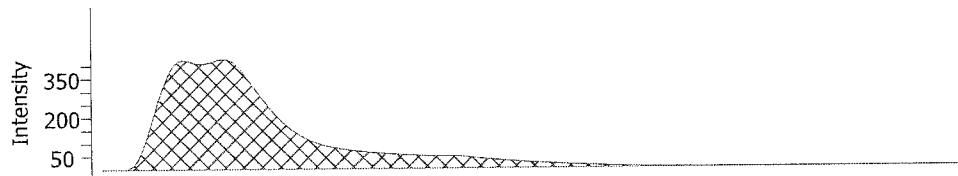
Carbon %
0.7897



33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.1086	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:28:58 PM		A09	

Carbon %
0.8594

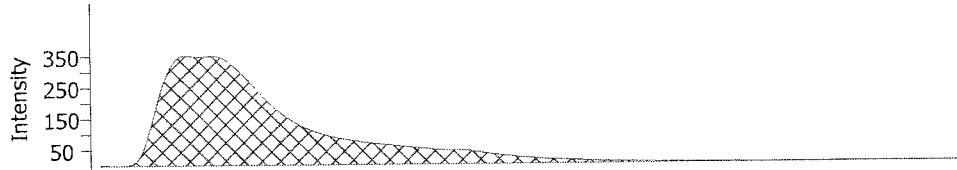


SC632

33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.0970	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:30:54 PM		A10	

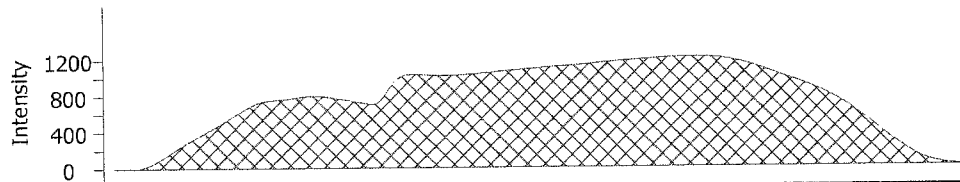
Carbon %
0.8176



33192-A-4 ms

Name	Description	Mass	Method
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:33:16 PM		B01	

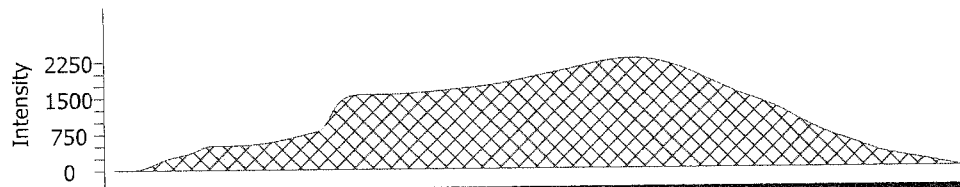
Carbon %
11.80



33192-A-4 msd

Name	Description	Mass	Method
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:35:56 PM		B02	

Carbon %
21.06

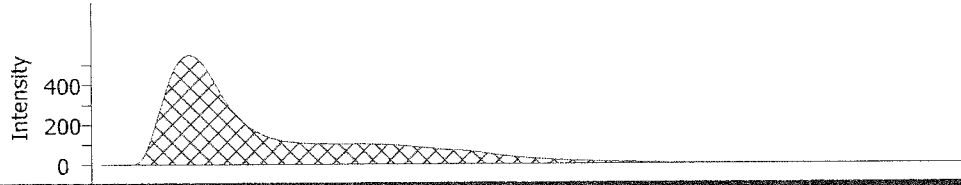


SC632

33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:40:30 PM	B03		

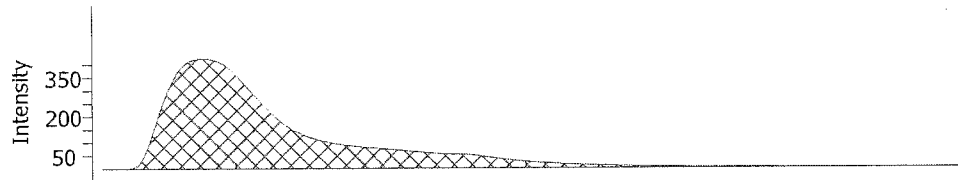
Carbon %
0.8209



33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1052	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:42:41 PM	B04		

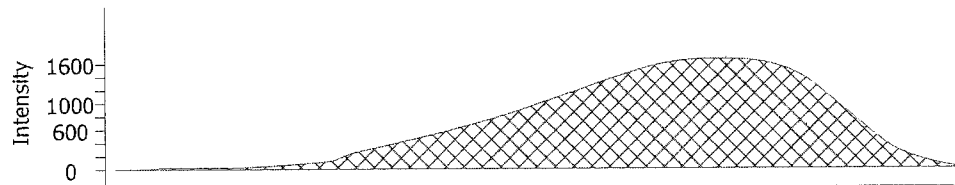
Carbon %
0.8639



CCV-1

Name	Description	Mass	Method
CCV-1		0.1171	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:45:16 PM	B05		

Carbon %
12.11

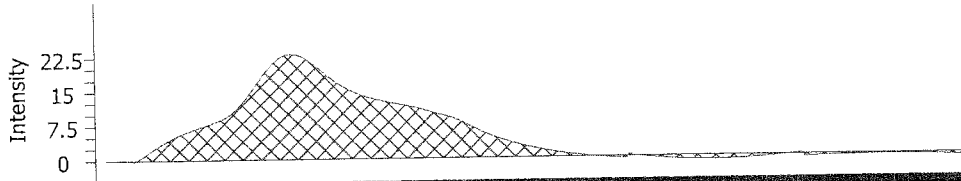


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.2116	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:47:27 PM		B06	

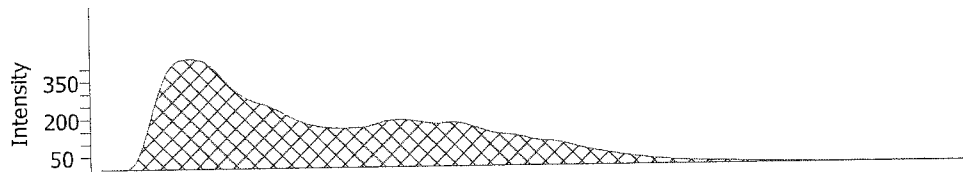
Carbon %
-0.003191



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.1109	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:49:38 PM		B07	

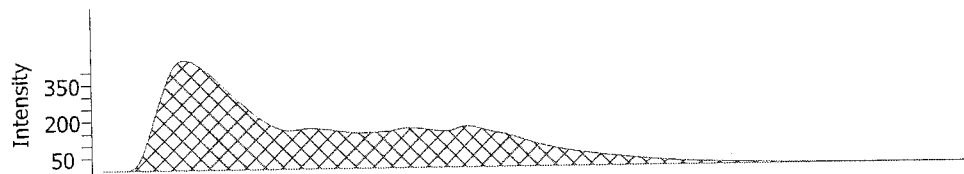
Carbon %
1.275



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:51:49 PM		B08	

Carbon %
1.295

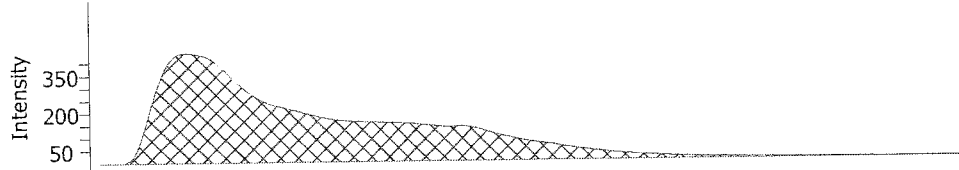


SC632

33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1073	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:53:46 PM	B09		

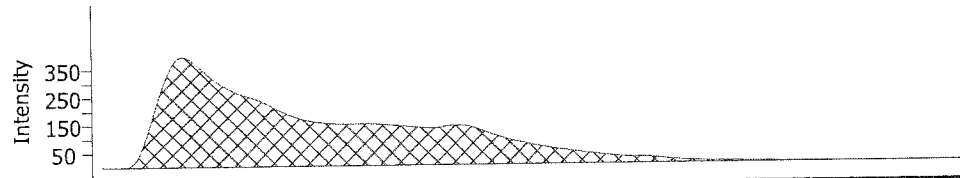
Carbon %
1.226



33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1103	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:55:58 PM	B10		

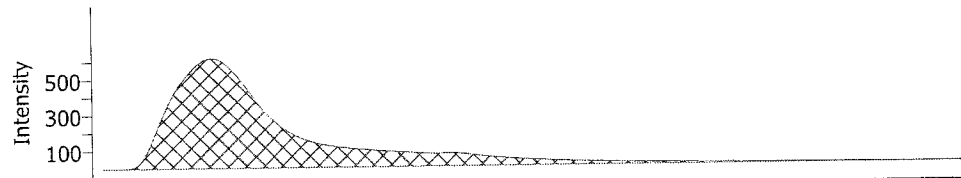
Carbon %
1.041



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.1119	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:58:09 PM	C01		

Carbon %
1.105

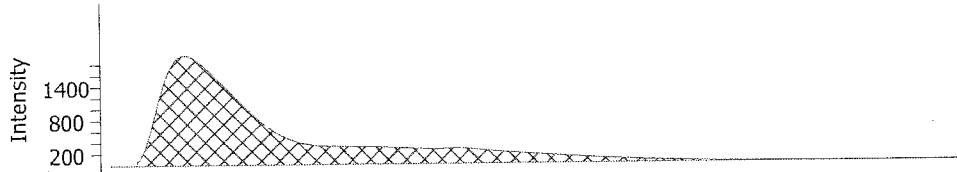


SC632

32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1990	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:02:17 PM	C03		

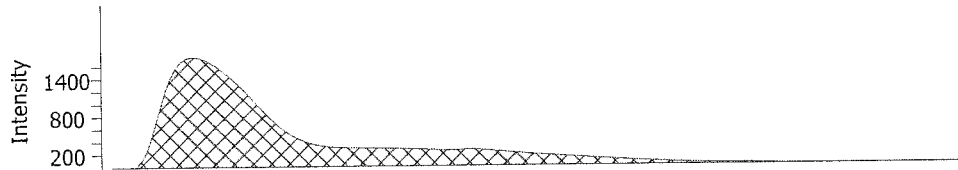
Carbon %
2.028



32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1977	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:04:28 PM	C04		

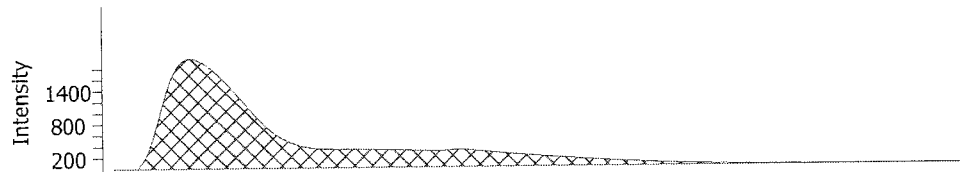
Carbon %
2.013



32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:06:28 PM	C05		

Carbon %
2.038

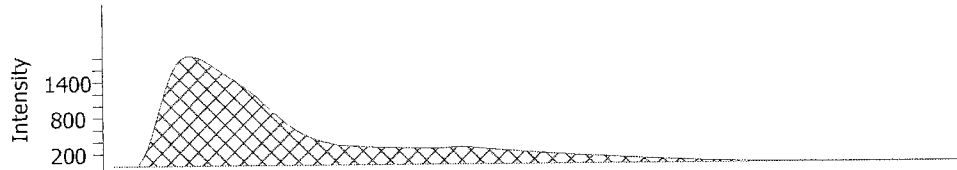


SC632

32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2153	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:08:39 PM	C06		

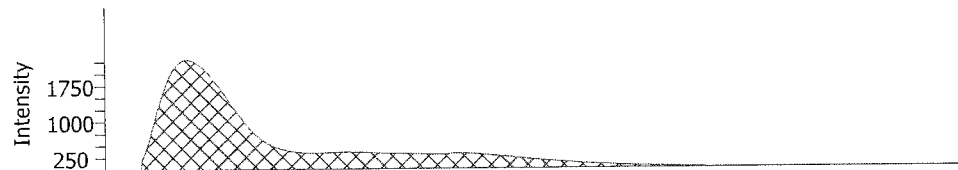
Carbon %
2.020



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1966	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:10:37 PM	C07		

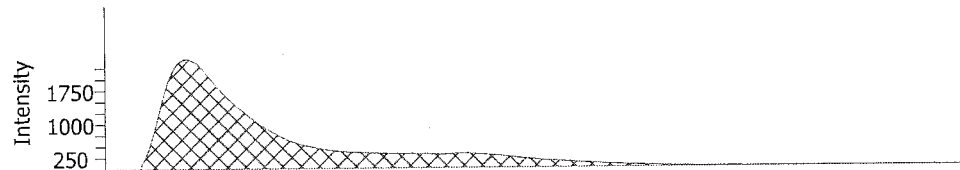
Carbon %
2.215



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1996	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:12:49 PM	C08		

Carbon %
2.407



SC632

32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2112	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:15:00 PM	C09		

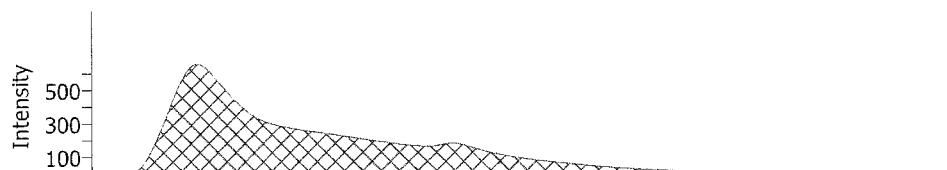
Carbon %
0.6676



32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:17:11 PM	C10		

Carbon %
0.8198



720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1965	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:19:11 PM	D01		

Carbon %
1.745

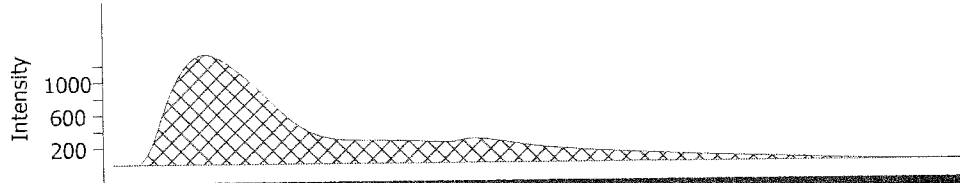


SC632

720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:21:22 PM	D02		

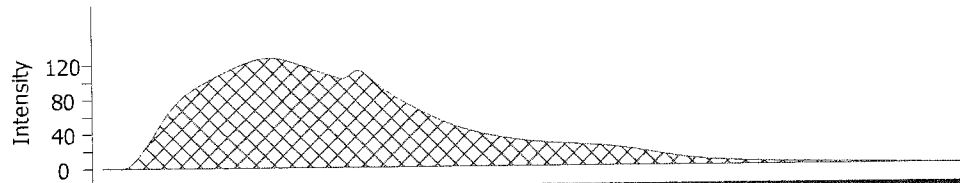
Carbon %
1.825



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:23:44 PM	D03		

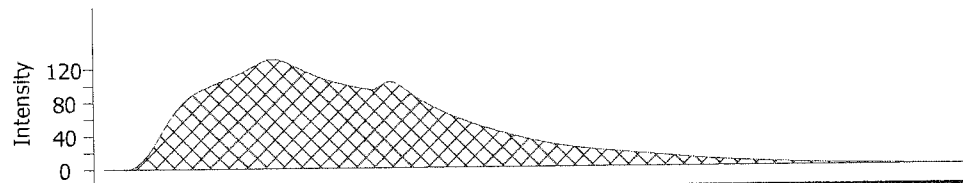
Carbon %
0.3551



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:26:06 PM	D04		

Carbon %
0.3288

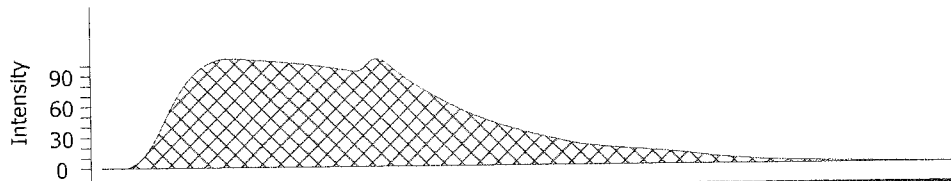


SC632

720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2179	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:28:29 PM	D05		

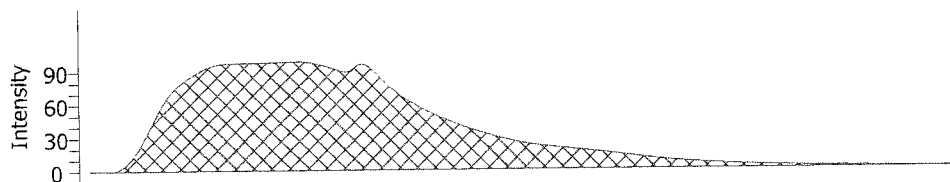
Carbon %
0.2799



720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2009	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:30:56 PM	D06		

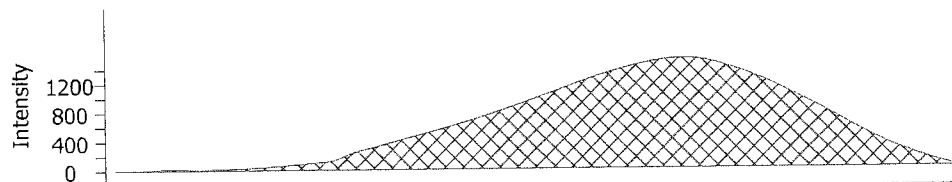
Carbon %
0.2810



CCV-2

Name	Description	Mass	Method
CCV-2		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

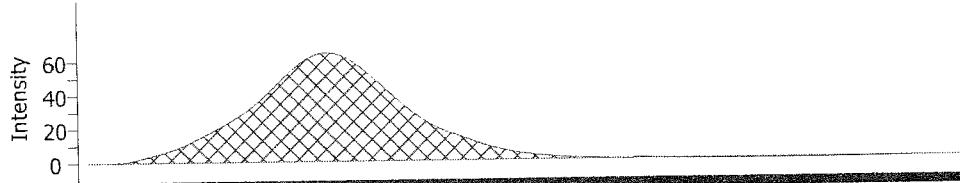


SC632

CCB-2

Name	Description	Mass	Method
CCB-2		0.2045	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:35:47 PM		D08	

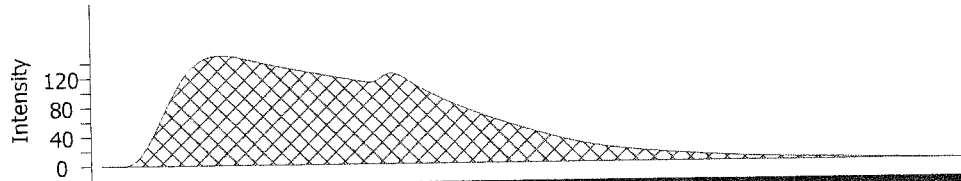
Carbon %
0.04832



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2136	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:38:14 PM		D09	

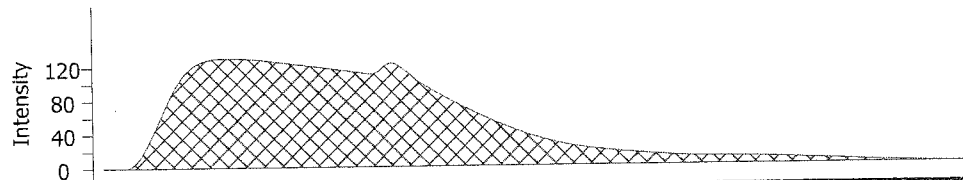
Carbon %
0.3706



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2129	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:40:37 PM		D10	

Carbon %
0.3626

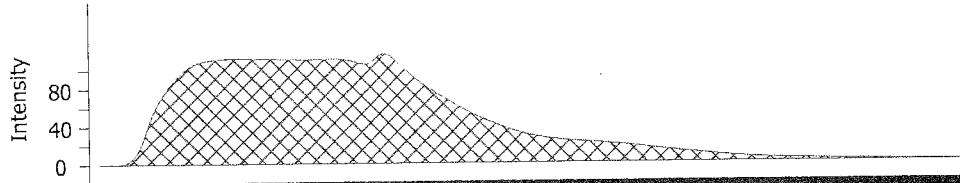


SC632

720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2174	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:42:59 PM		E01	

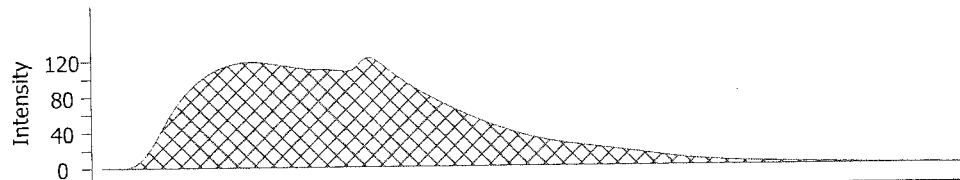
Carbon %
0.3195



720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:45:24 PM		E02	

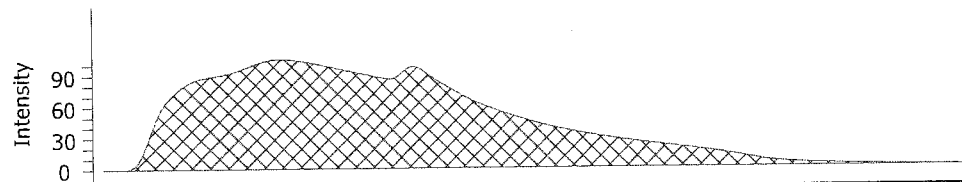
Carbon %
0.3252



720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.1986	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:47:37 PM		E03	

Carbon %
0.3033

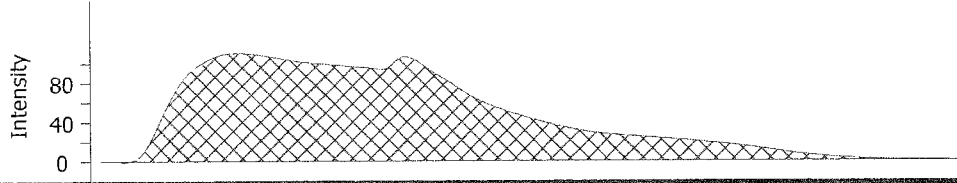


SC632

720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.2097	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:50:00 PM	E04		

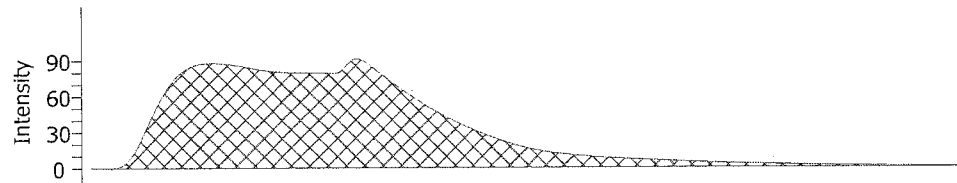
Carbon %
0.3256



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.1980	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:52:29 PM	E05		

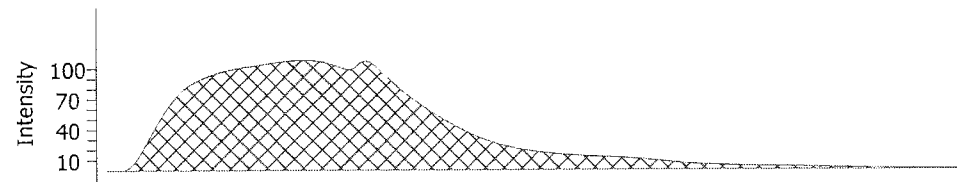
Carbon %
0.2499



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.2148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:54:58 PM	E06		

Carbon %
0.2909

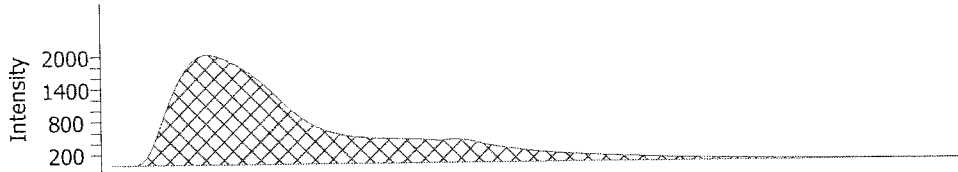


SC632

720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:57:09 PM		E07	

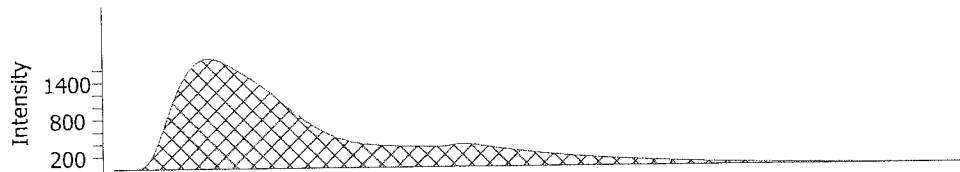
Carbon %
2.628



720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.1989	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:59:07 PM		E08	

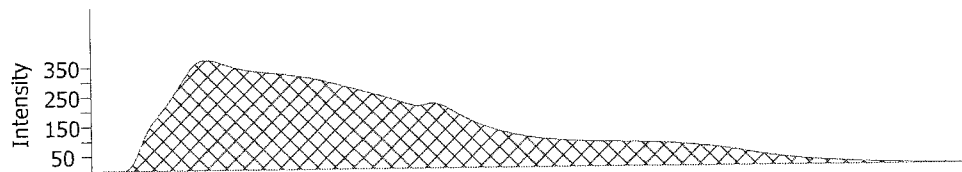
Carbon %
2.406



720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:01:21 PM		E09	

Carbon %
0.9296

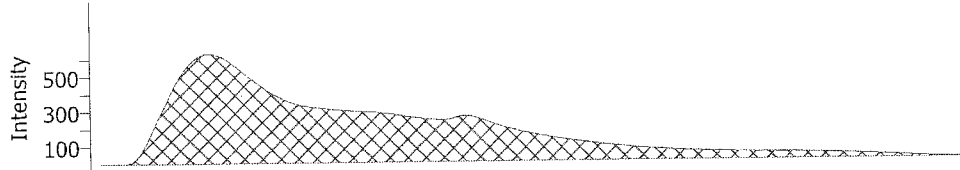


SC632

720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2005	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:03:32 PM		E10	

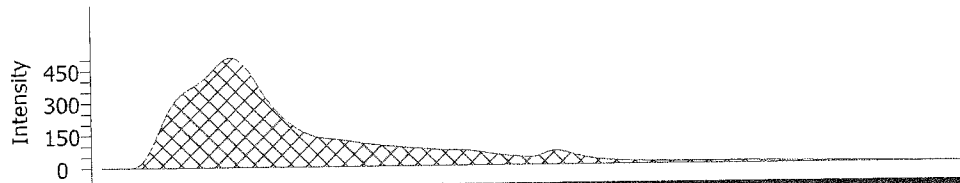
Carbon %
1.159



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.0982	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:08:05 PM		A04	

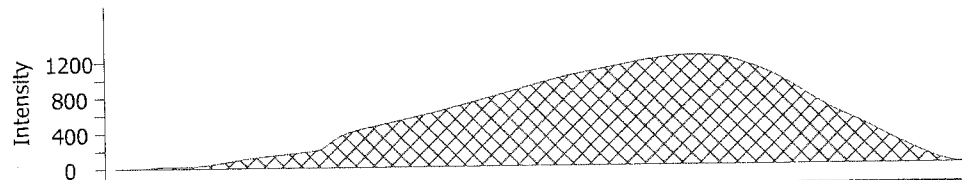
Carbon %
1.147



CCV-3

Name	Description	Mass	Method
CCV-3		0.1065	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:10:44 PM		A02	

Carbon %
12.17

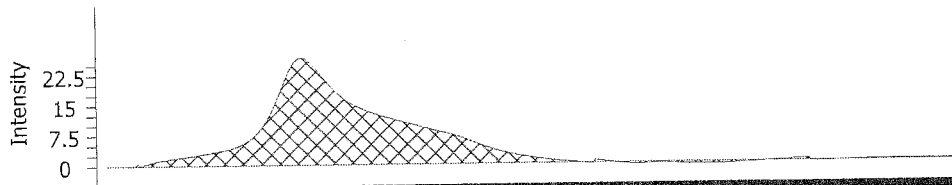


SC632

CCB-3

Name	Description	Mass	Method
CCB-3		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

TA SOIL LINNEAR Calibration - Read Only

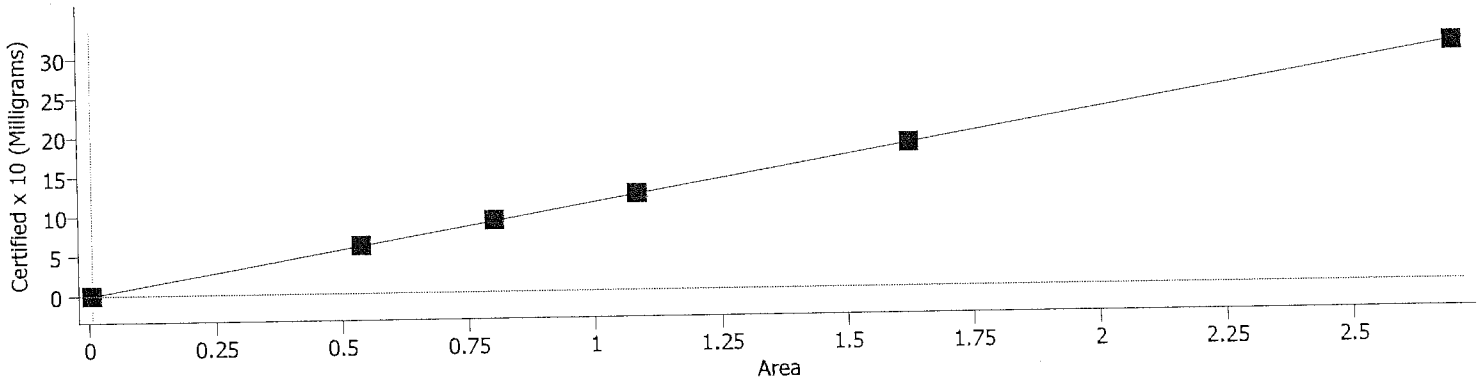
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

y= +1.12453x - 0.00721171
Date: 6/2/2012 10:08:33 AM

New Calibration:

y= +1.12453x - 0.00721171
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



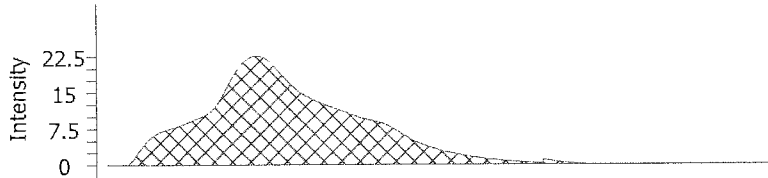
Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.0000000000000054	0.0000000000000054	100.00	100.00	22.599	0.00641312	1.5000E+01	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

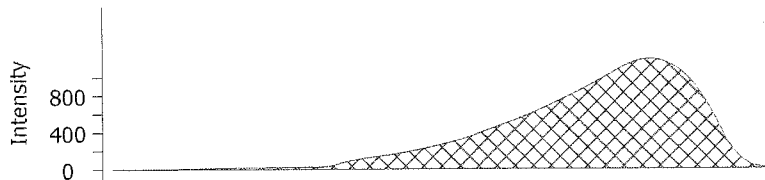
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

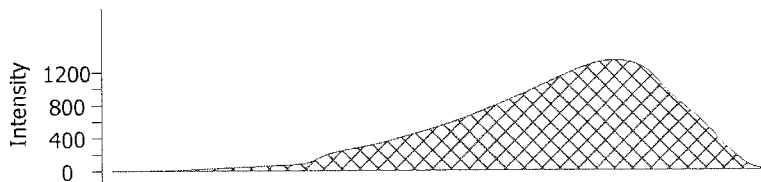
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

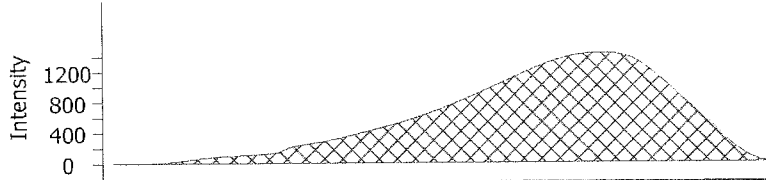


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

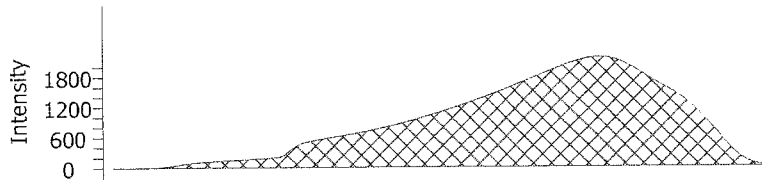
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

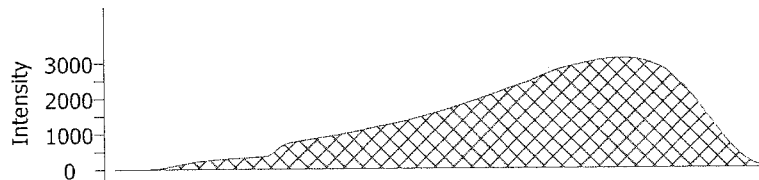
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

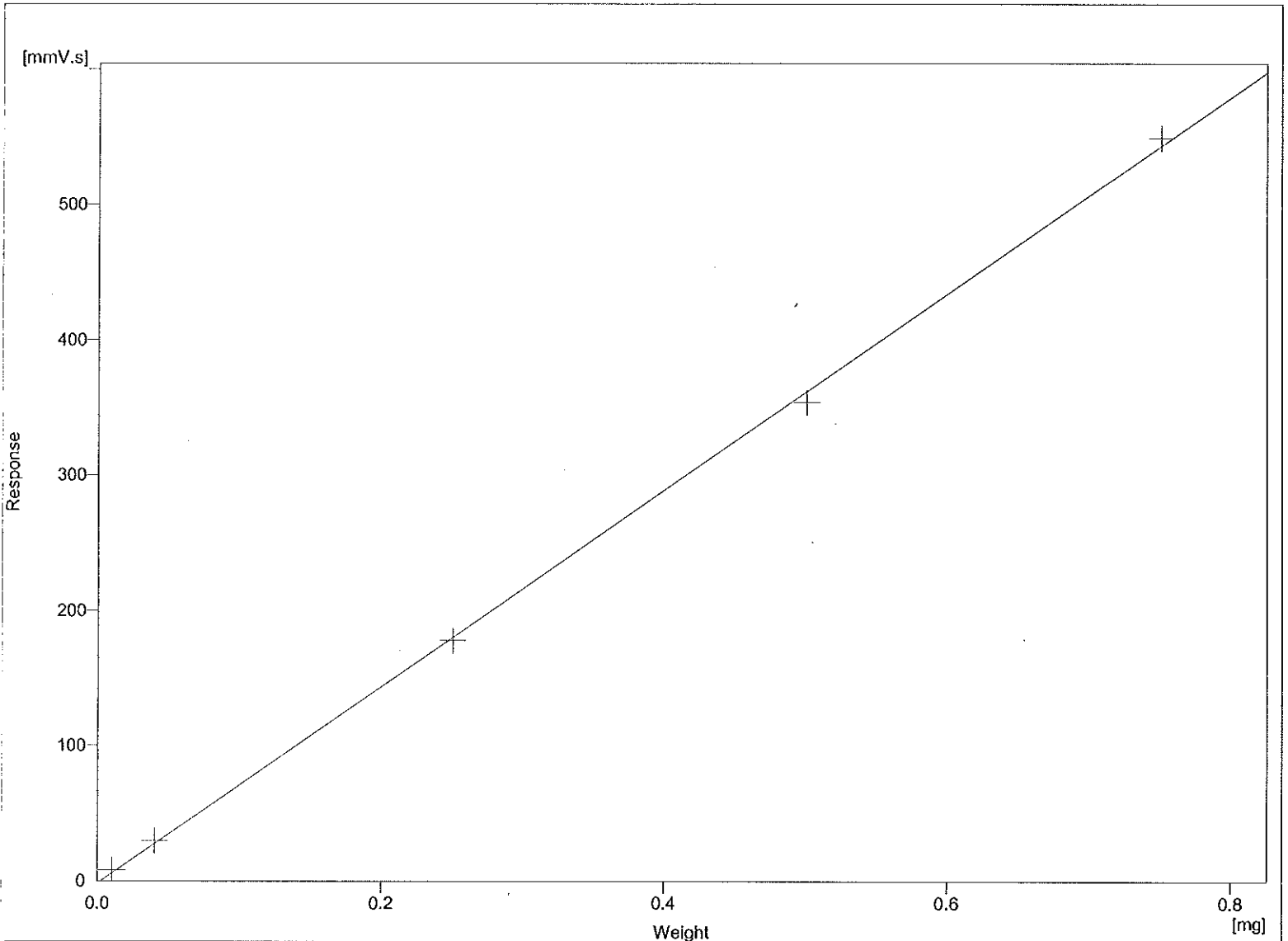


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
 Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

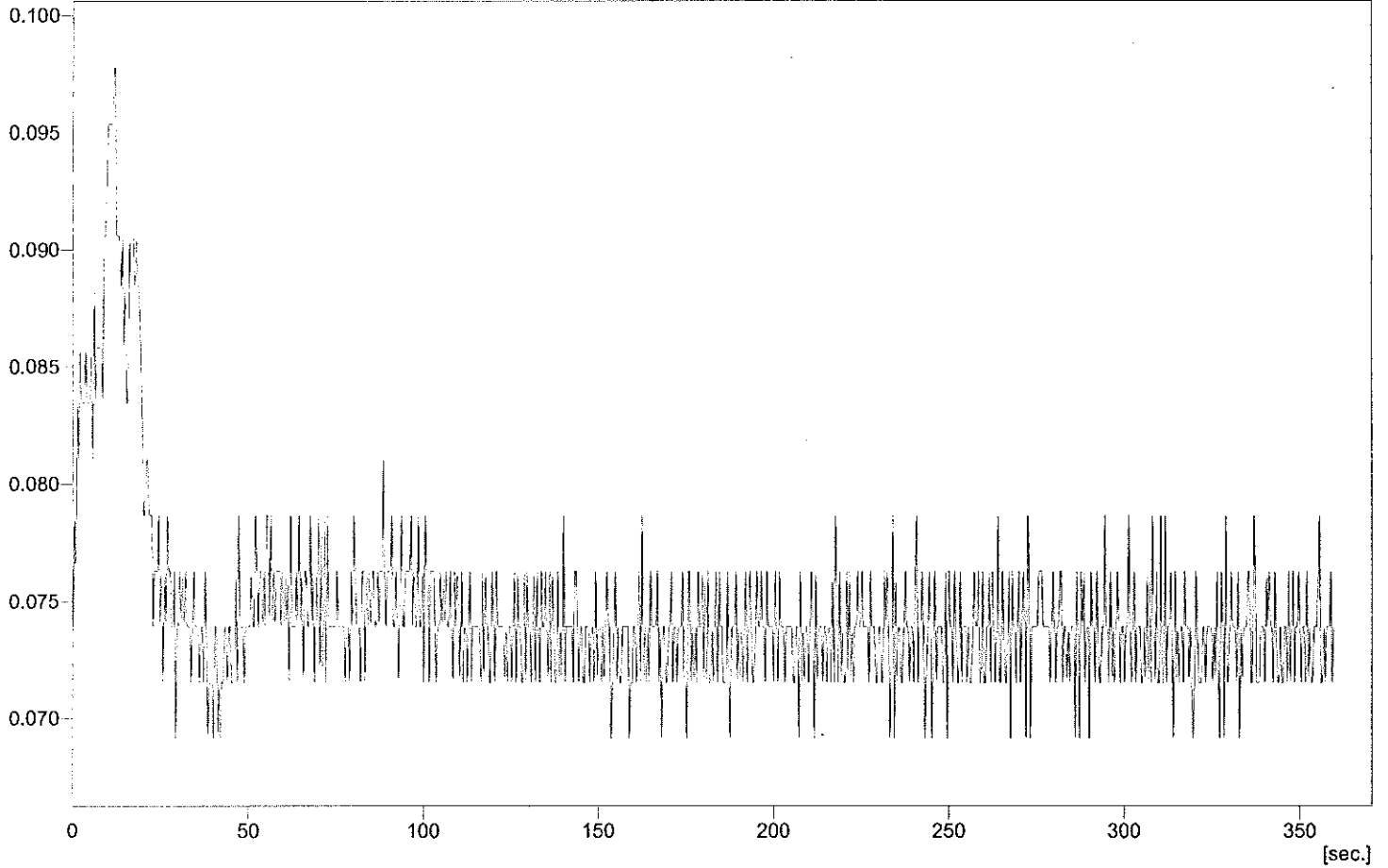
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:01:09 PM
 Project : WORK2
 Weight : 0 mg
 Sample : STD1
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z001



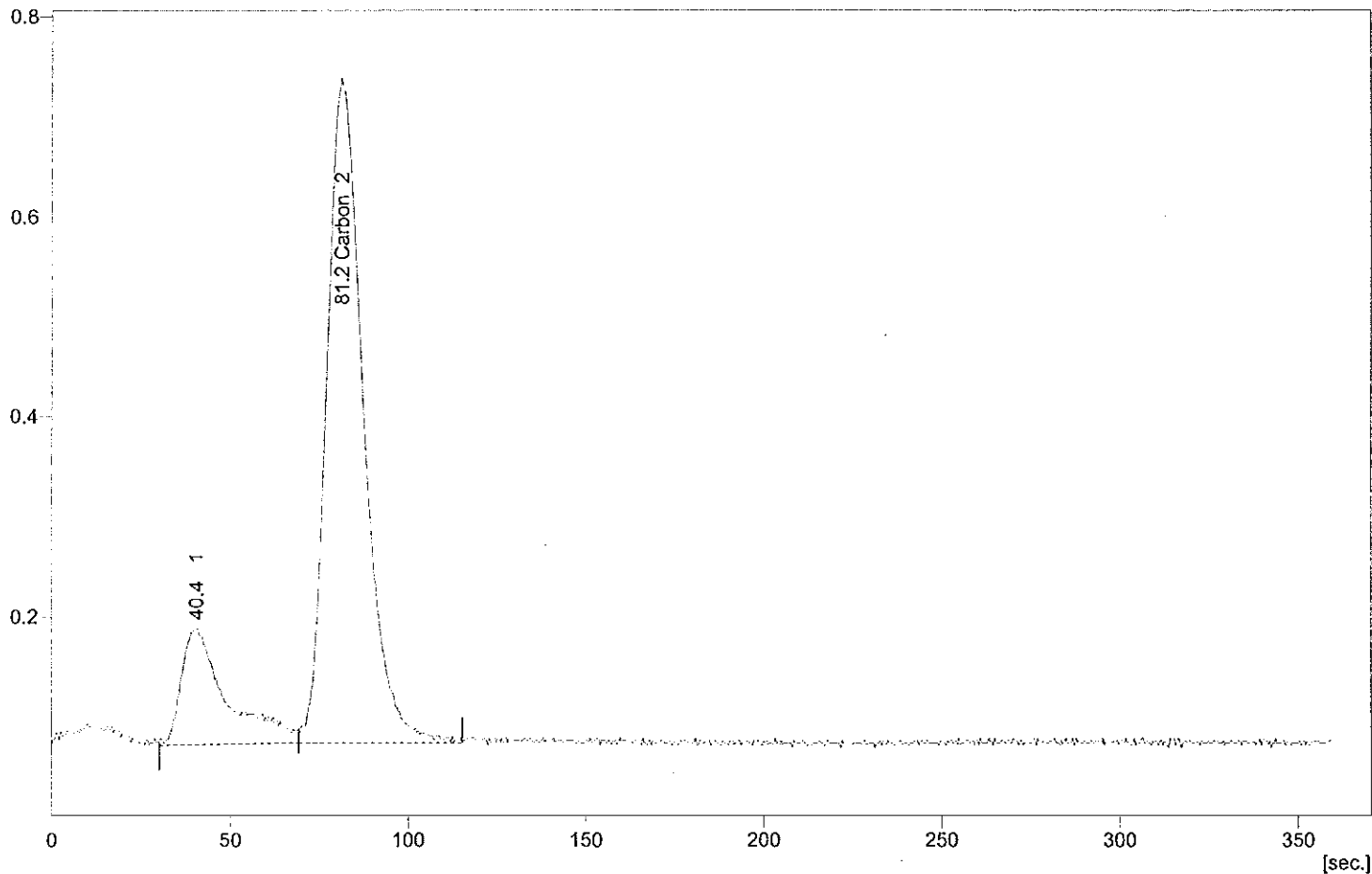
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:07:46 PM
 Project : WORK2
 Weight : 0.0213 mg
 Sample : STD2
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z002



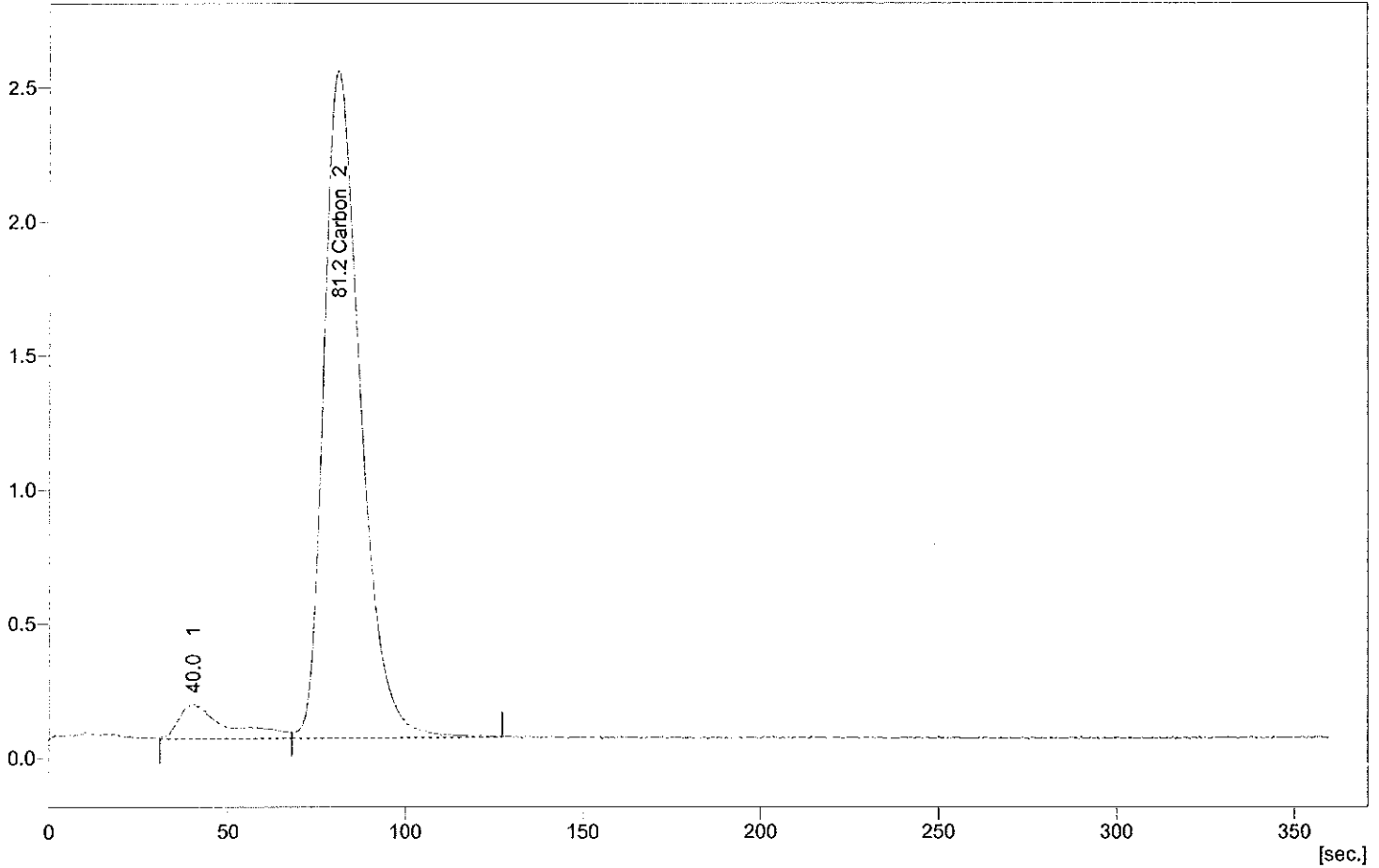
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



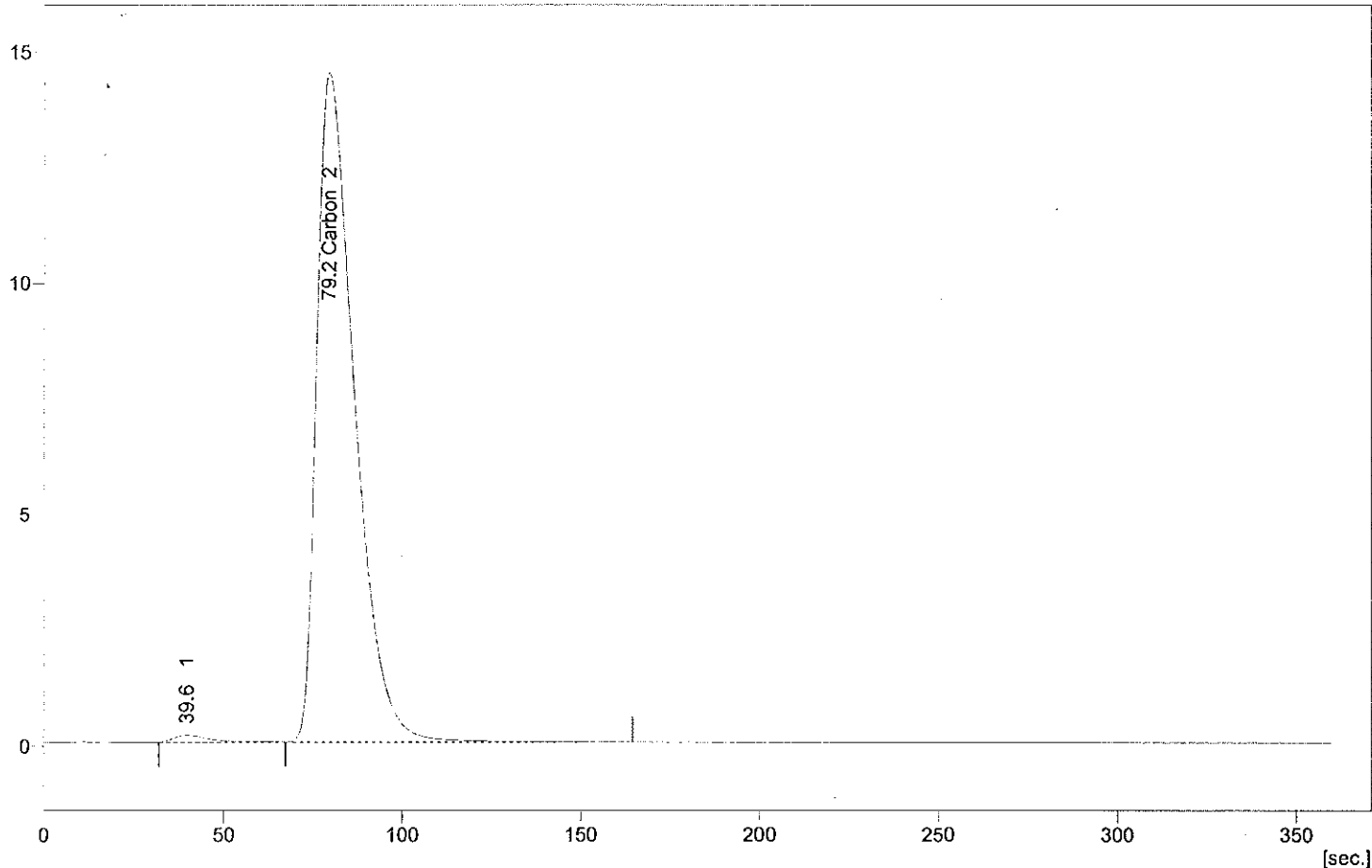
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	29,804	93.7	0.040	47.0500	1.0000	Refer
	Total	31,796	100.0	0.085	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:21:01 PM
 Project : WORK2
 Weight : 0.532 mg
 Sample : STD4
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z004



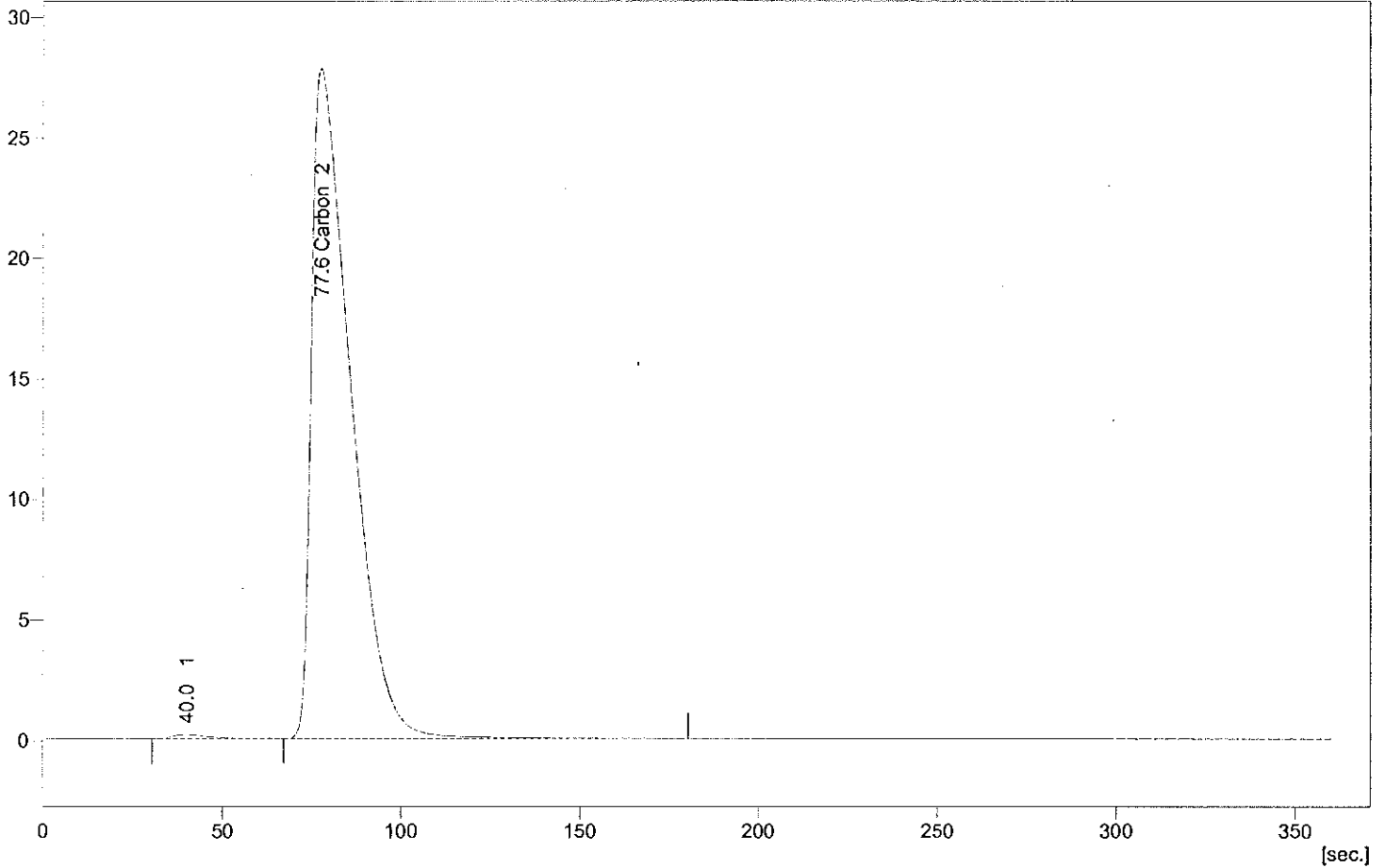
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:27:48 PM
 Project : WORK2
 Weight : 1.064 mg
 Sample : STD5
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z005



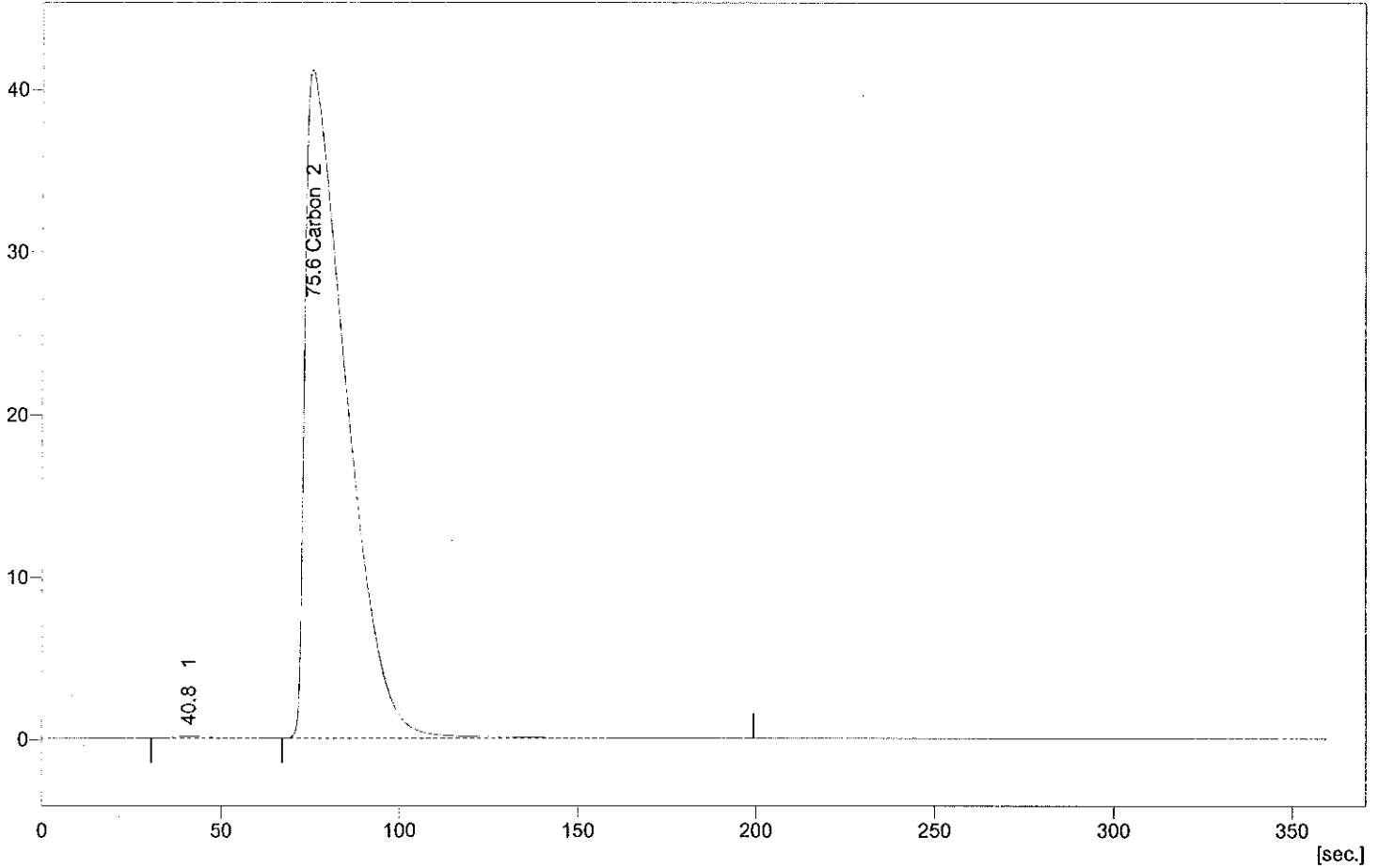
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12	Start Time: 1155	Instrument ID: C6.2 → 052912A
Analyst: Ani	Stop Time: 1335	Oven ID: NA
TALS Batch: 39415		

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount μL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL 001 - 00002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL 001 - 00002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL 001 - 00002	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle)

Lloyd Khan	LK Modified	Black Carbon	Particulate Organic Carbon (POC)	Marine Sediments(301H)
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SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.553					29
2	Blank			10					30
3	MB			10					31
4	MB			10					32
5	LCS			9.247					33
6	LCS			9.275					34
7	580-32844-A-5			9.894					35
8	"			10.050					36
9	580-32844-A-10			9.965					37
10	"			9.753					38
11	580-32844-A-15			9.901					39
12	"			10.296					40
13	580-32847-A-5			10.133					41
14	"			10.252					42
15	Acetanilide			0.513					43
16	Blank			10					44
17									45
18									46
19									47
20									48
21									49
22									50
23									51
24									52
25									53
26									54
27									55
28									56

STANDARD & REAGENT TRACEABILITY:

Potassium Hydrogen Phthalate (ICAL) Container ID: WELK CAL 001 - 00002	LCS Container ID: WELK BC LCS 00006
Acetanilide (CCV) Container ID: WELK CCV 00006	1:19 Phosphoric Acid Container ID: WELK CPA 119 00006
Matrix Spike Container ID: NA	

Total Organic Carbon by Lloyd Kahn

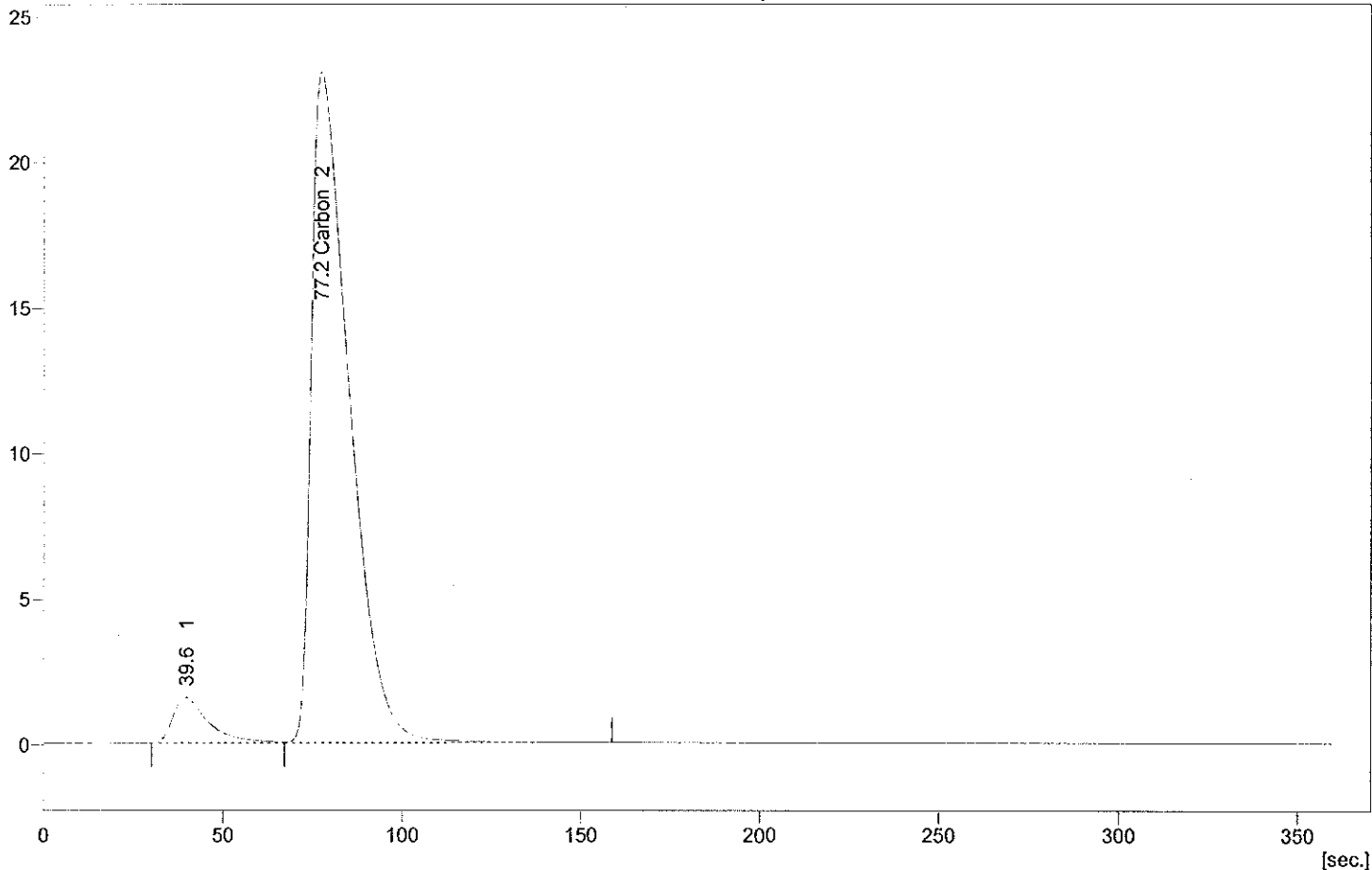
File: 052912A Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.553	ACETANILIDE	70.6486	706486.00		99%			
10	BLANK	0	0.00					
10	MB	0.0391	391.00					
10	MB	0.0357	357.00	374.00		9%		U1000
9.247	LCS	1.266	12660.00					
9.275	LCS	1.3452	13452.00	13056.00	132%	6%		1081
9.894	580-32844-A-5	0.1435	1435.00					
10.05	580-32844-A-5	0.1215	1215.00	1325.00		17%		1011
9.965	580-32844-A-10	0.144	1440.00					
9.753	580-32844-A-10	0.1443	1443.00	1441.50		0%		1025
9.901	580-32844-A-15	0.1133	1133.00					
10.296	580-32844-A-15	0.1222	1222.00	1177.50		8%		1010
10.133	580-32847-A-5	0.1517	1517.00					
10.252	580-32847-A-5	0.1449	1449.00	1483.00		5%		987
0.513	ACETANILIDE	75.5699	755699.00		106%			
10	BLANK	0	0.00					

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 11:55:49 AM
 Project : WORK2
 Weight : 0.553 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A001



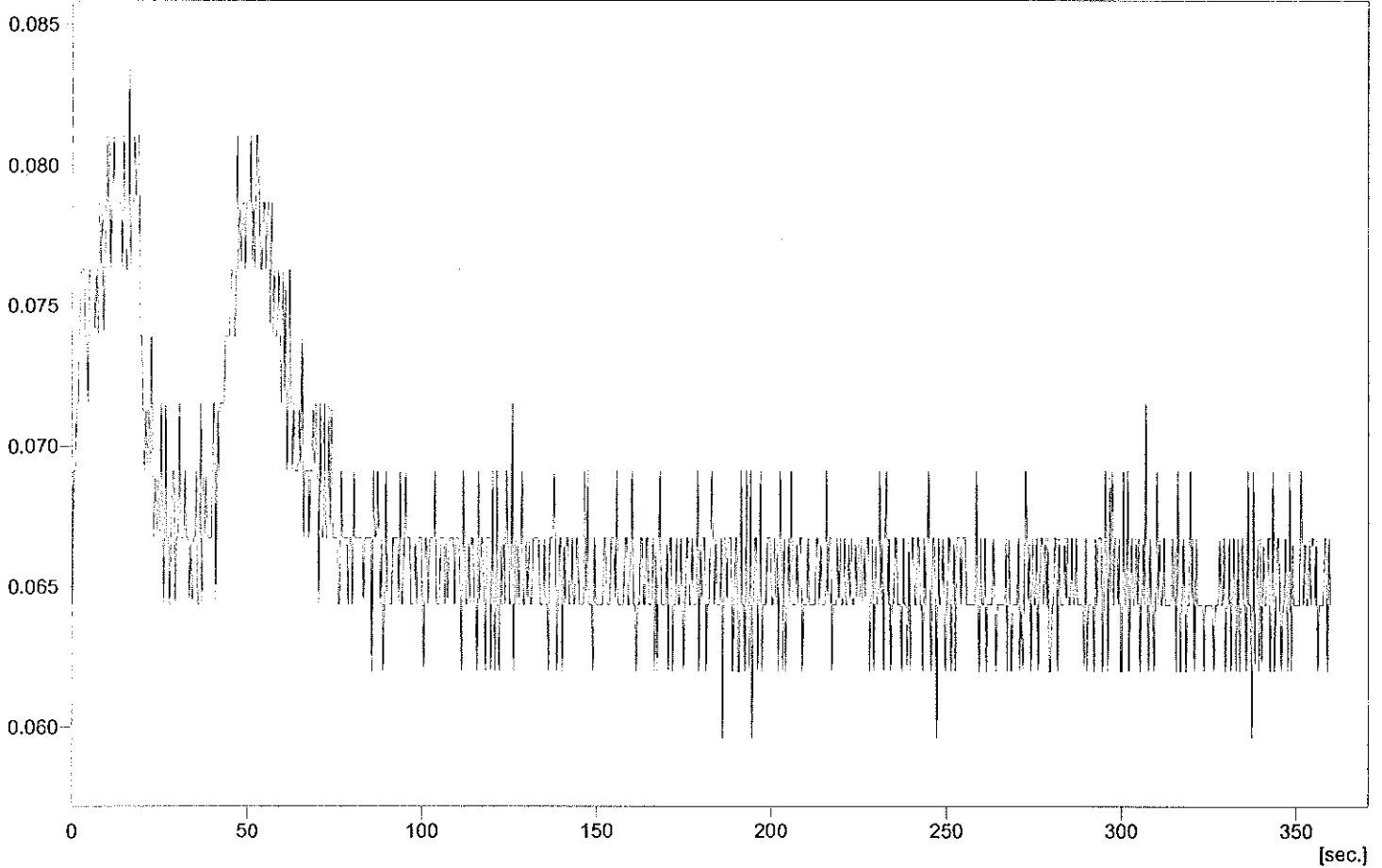
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.287	282.050	94.0	0.391	70.6486	1.0000	Refer
	Total	299.988	100.0	0.553	70.6486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:02:27 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A002



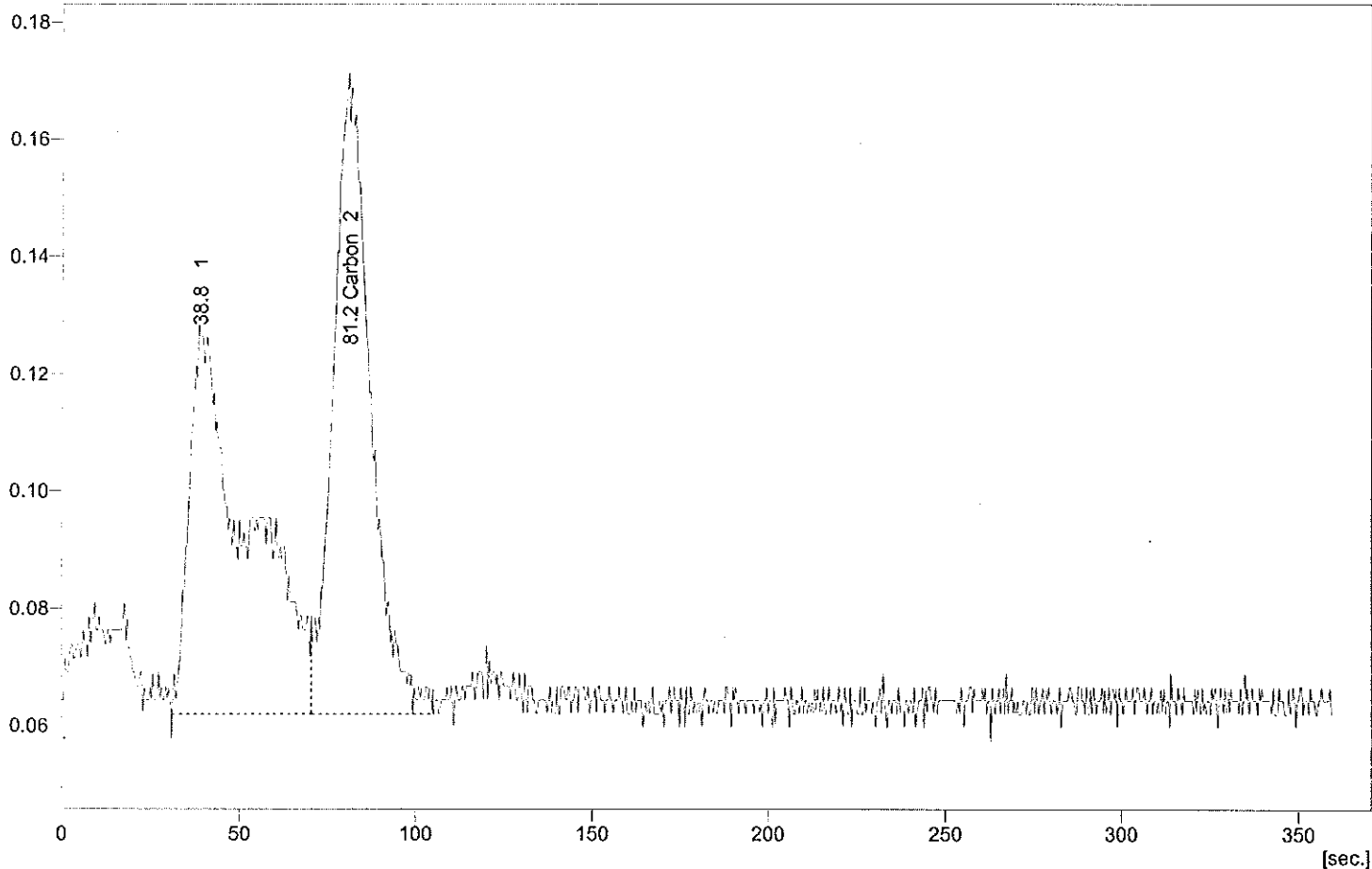
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:09:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A003



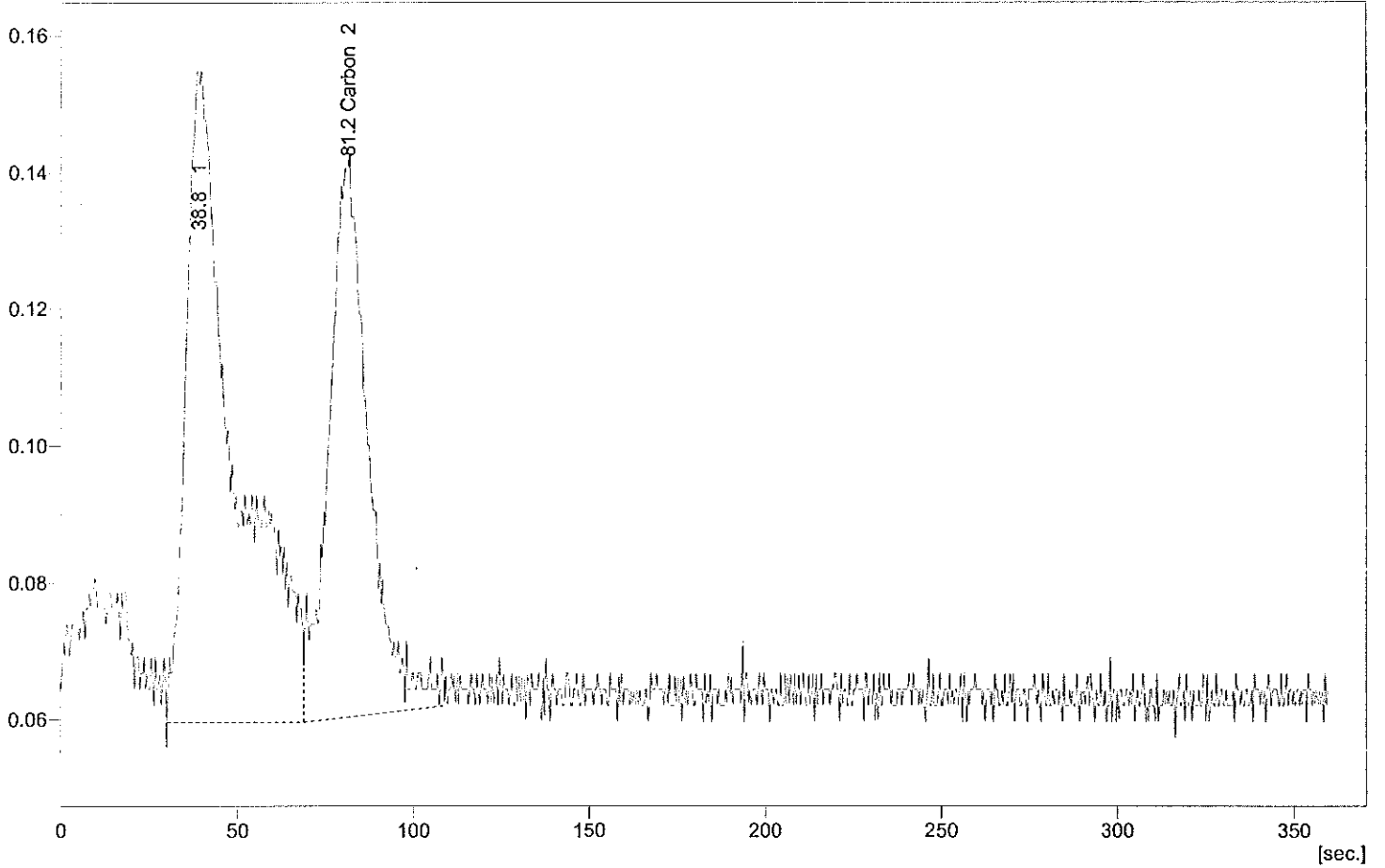
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	1.336	51.2	0.004	0.0391	1.0000	Refer
	Total	2.606	100.0	10.000	0.0391		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:15:35 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A004



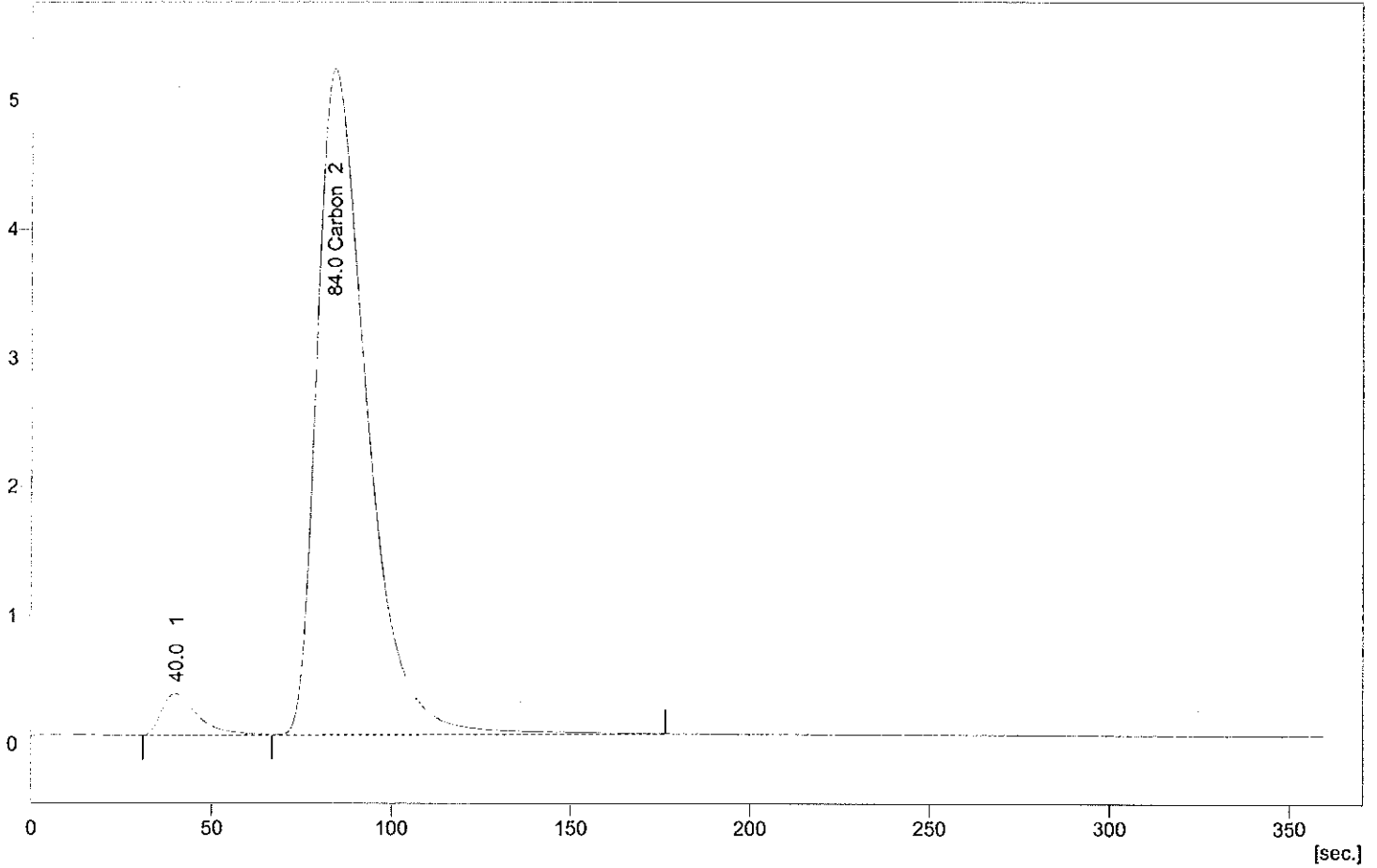
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	1,082	41,8	0,004	0,0357	1,0000	Refer
	Total	2,591	100,0	10,000	0,0357		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:22:09 PM
 Project : WORK2
 Weight : 9.247 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A005



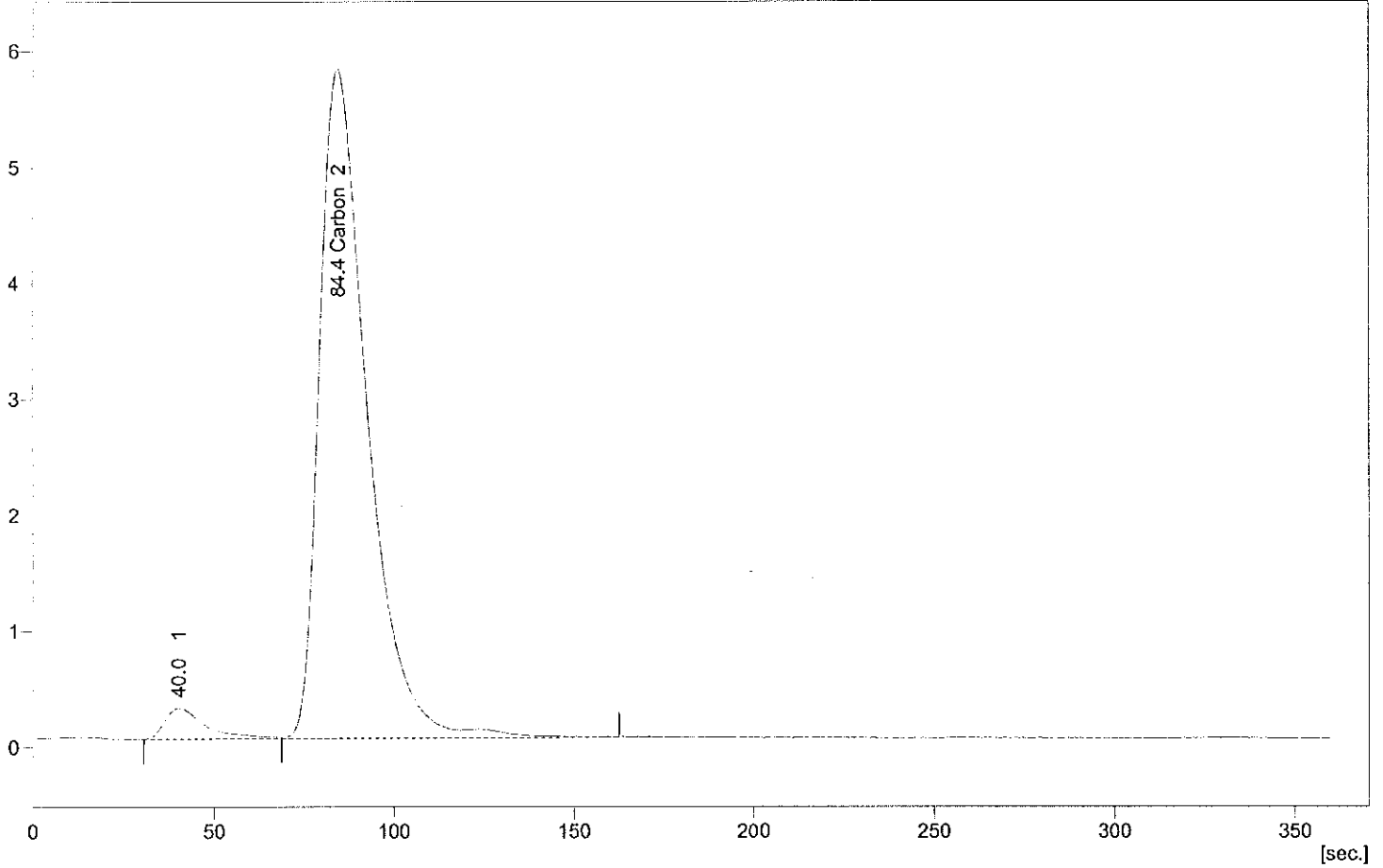
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	83.458	95.6	0.117	1.2660	1.0000	Refer
	Total	87.274	100.0	9.247	1.2660		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:28:43 PM
 Project : WORK2
 Weight : 9.275 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A006



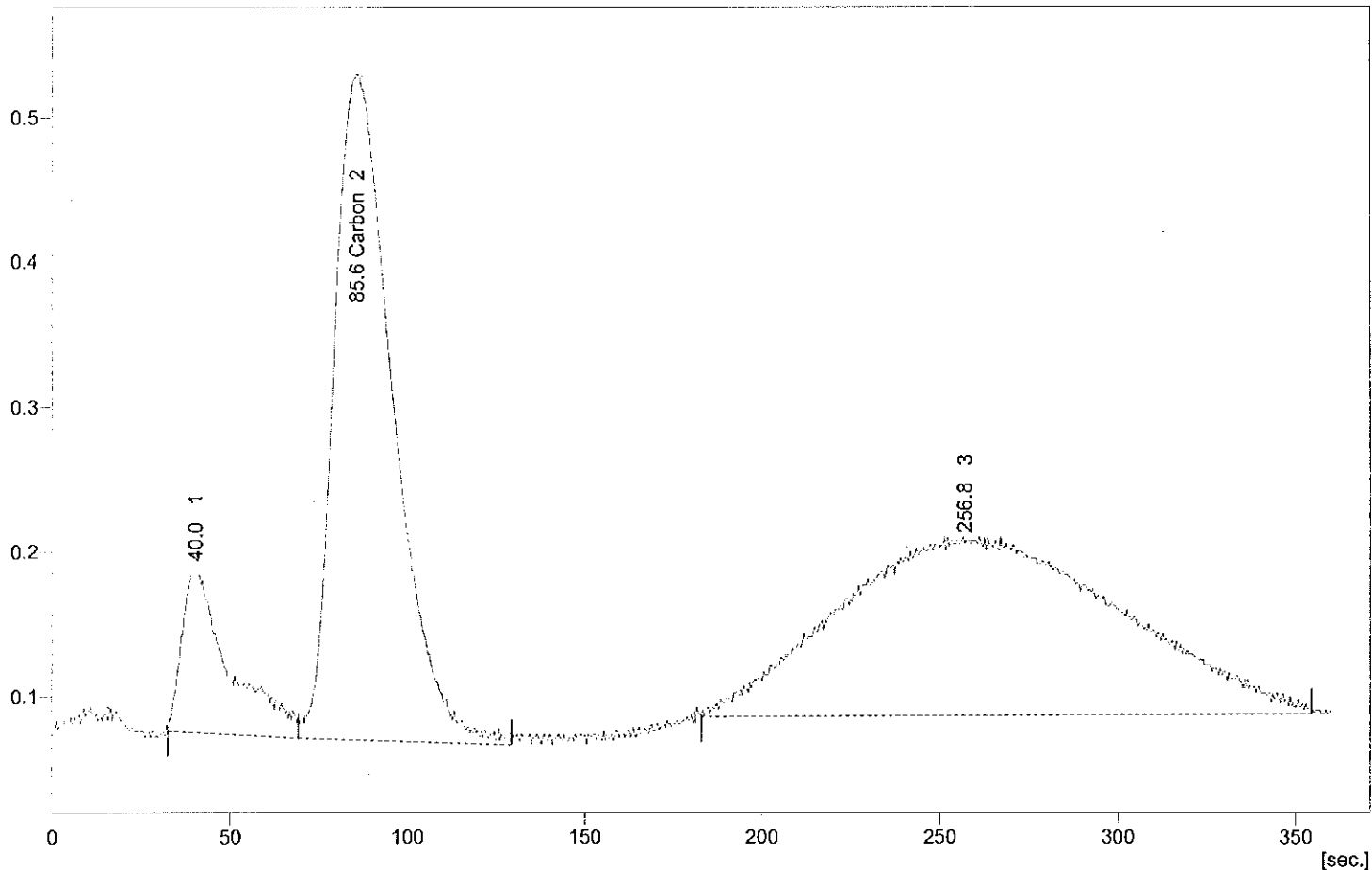
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.407	89.052	96.3	0.125	1.3452	1.0000	Refer
	Total	92.483	100.0	9.275	1.3452		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:35:17 PM
 Project : WORK2
 Weight : 9.894 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A007



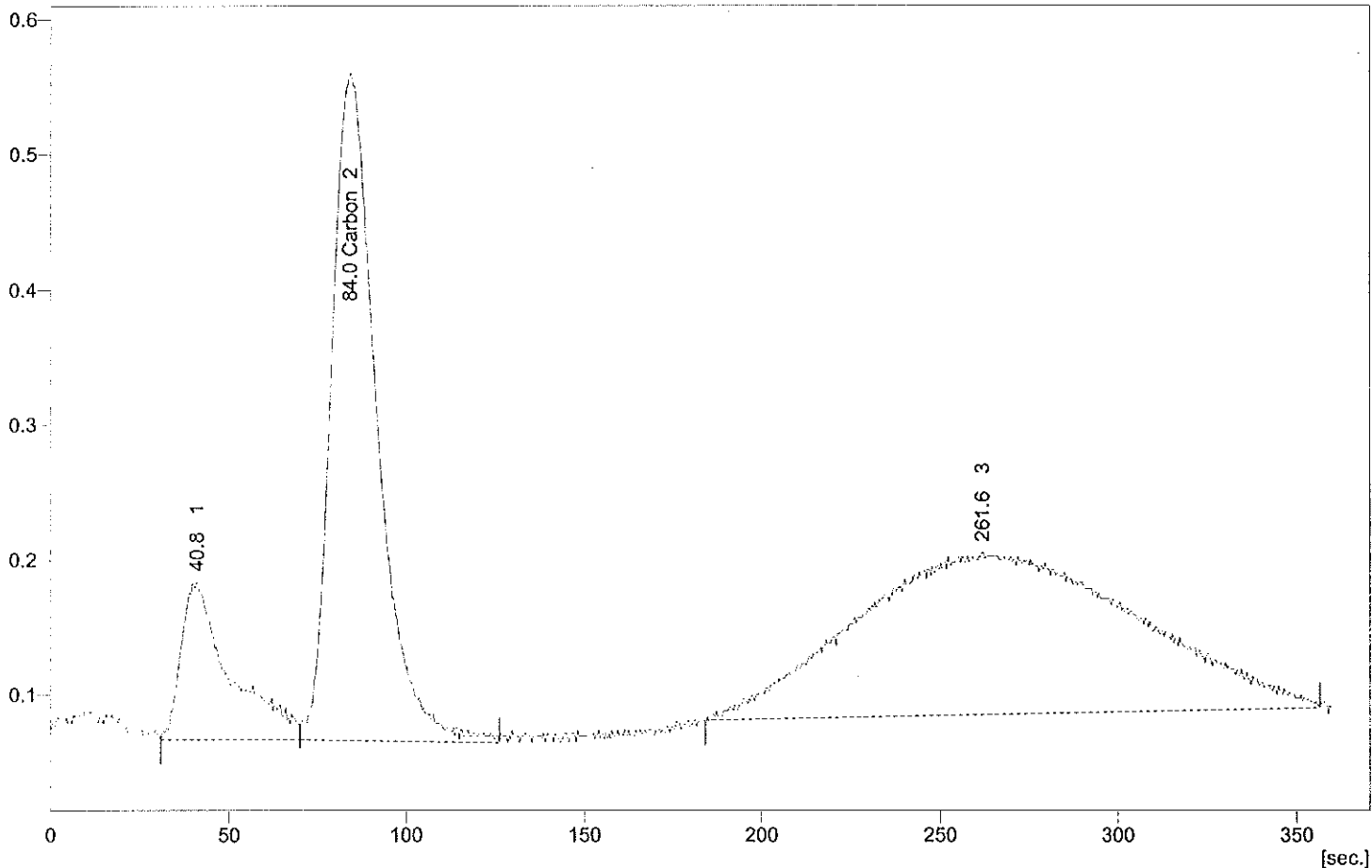
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.427	8.799	40.3	0.014	0.1435	1.0000	Refer
	Total	21.834	100.0	9.894	0.1435		

Lloyd Kahn TOC Instrument #2

Created : 5/29/2012 12:41:49 PM
Project : WORK2
Weight : 10.05 mg
Sample : 580-32844-A-5
Calibration : 052912A

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912A008



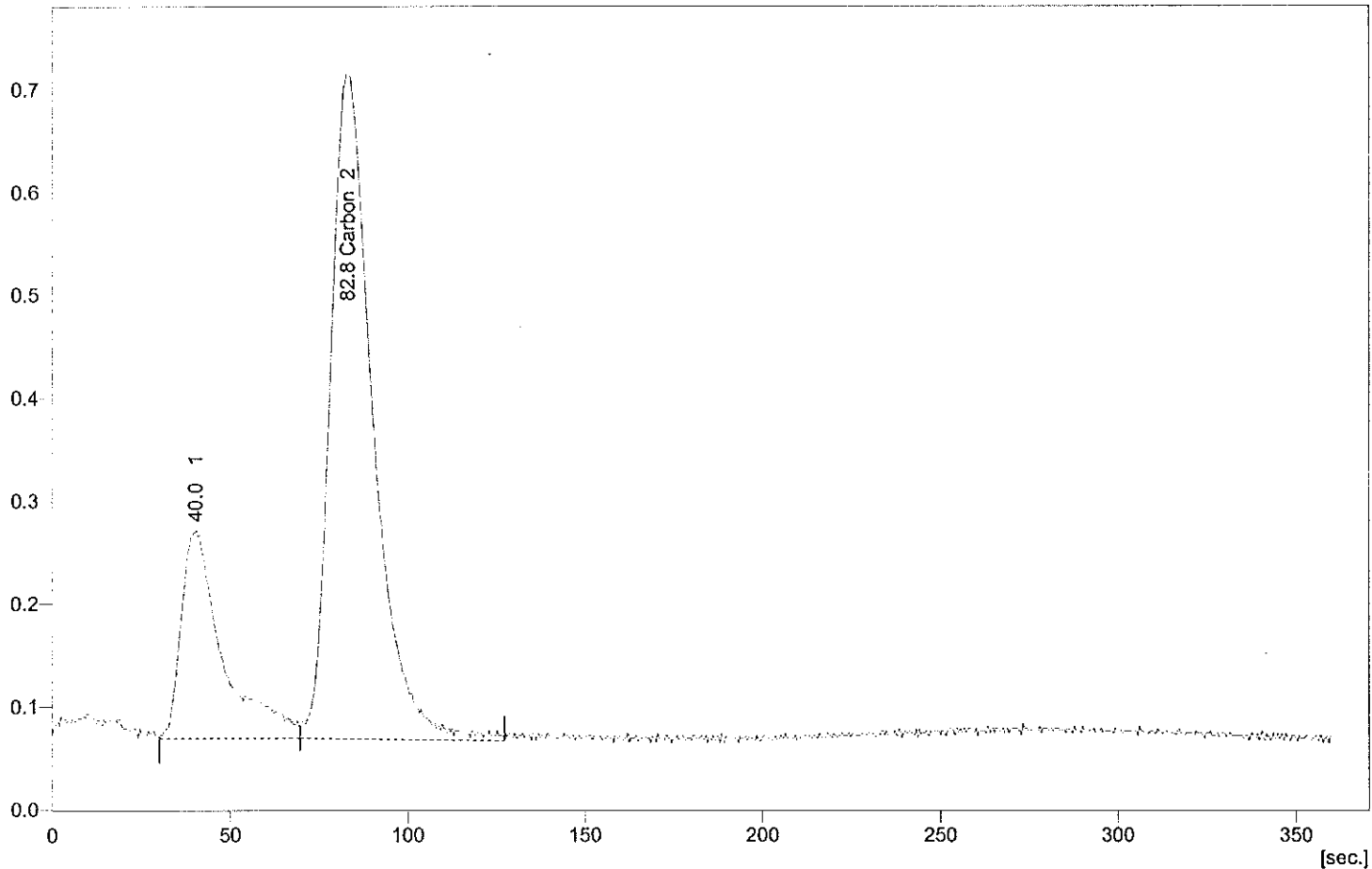
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	7.354	36.7	0.012	0.1215	1.0000	Refer
	Total	20.030	100.0	10.050	0.1215		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:48:21 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A009



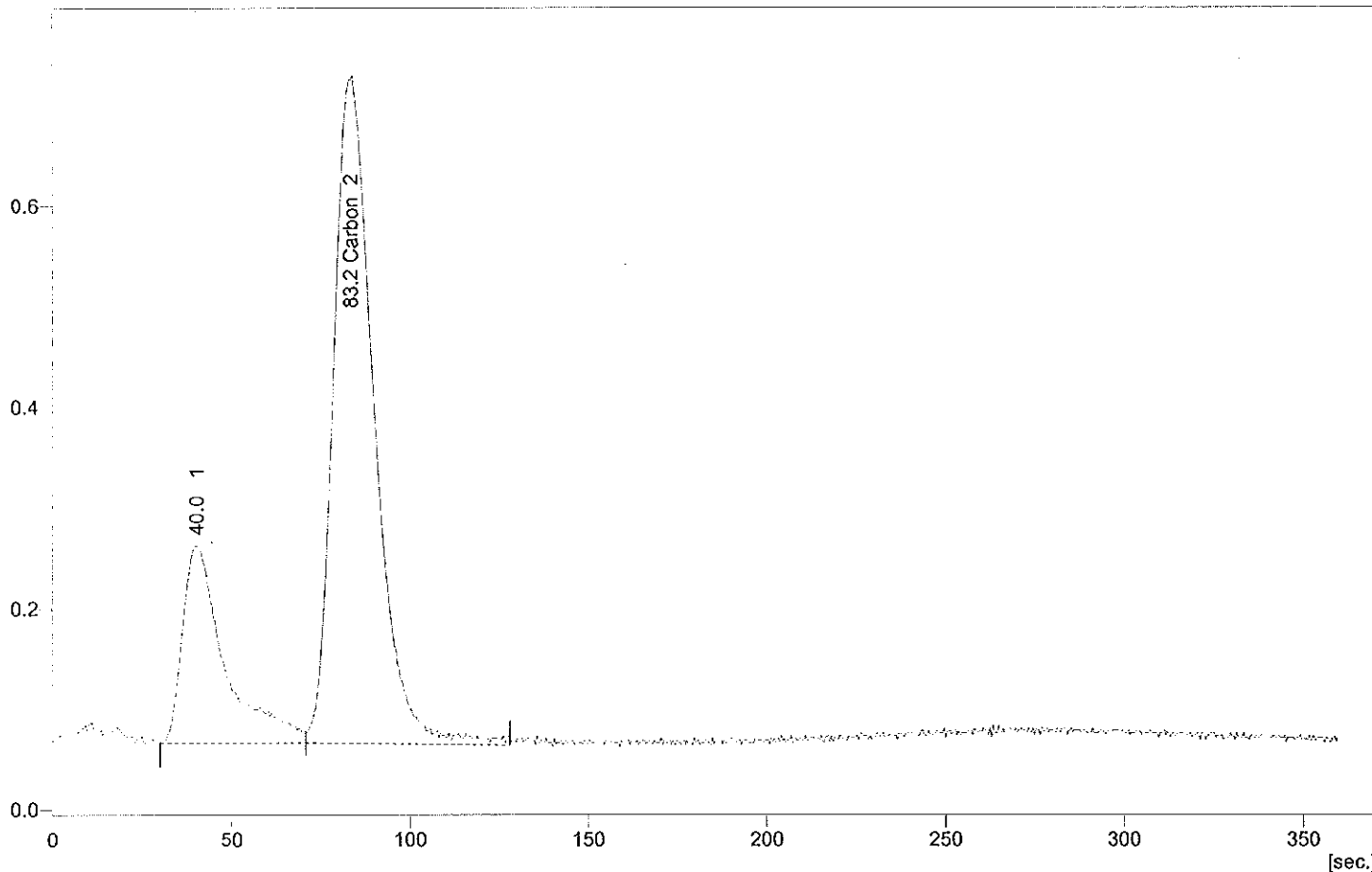
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	8.910	76.5	0.014	0.1440	1.0000	Refer
	Total	11.654	100.0	9.965	0.1440		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:54:59 PM
 Project : WORK2
 Weight : 9.753 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A010



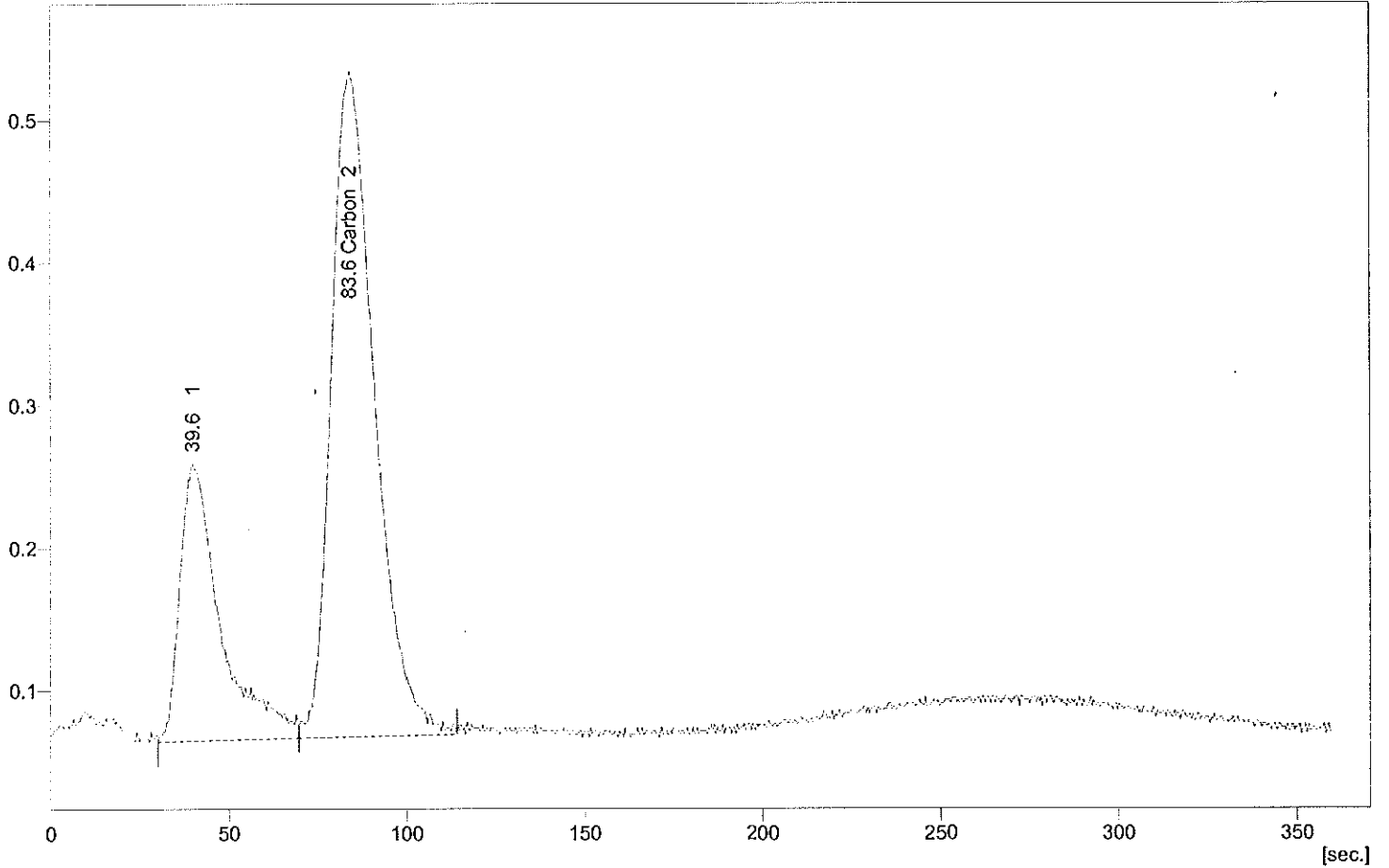
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.706	76.5	0.014	0.1443	1.0000	Refer
	Total	11.376	100.0	9.753	0.1443		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:01:39 PM
 Project : WORK2
 Weight : 9.901 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A011



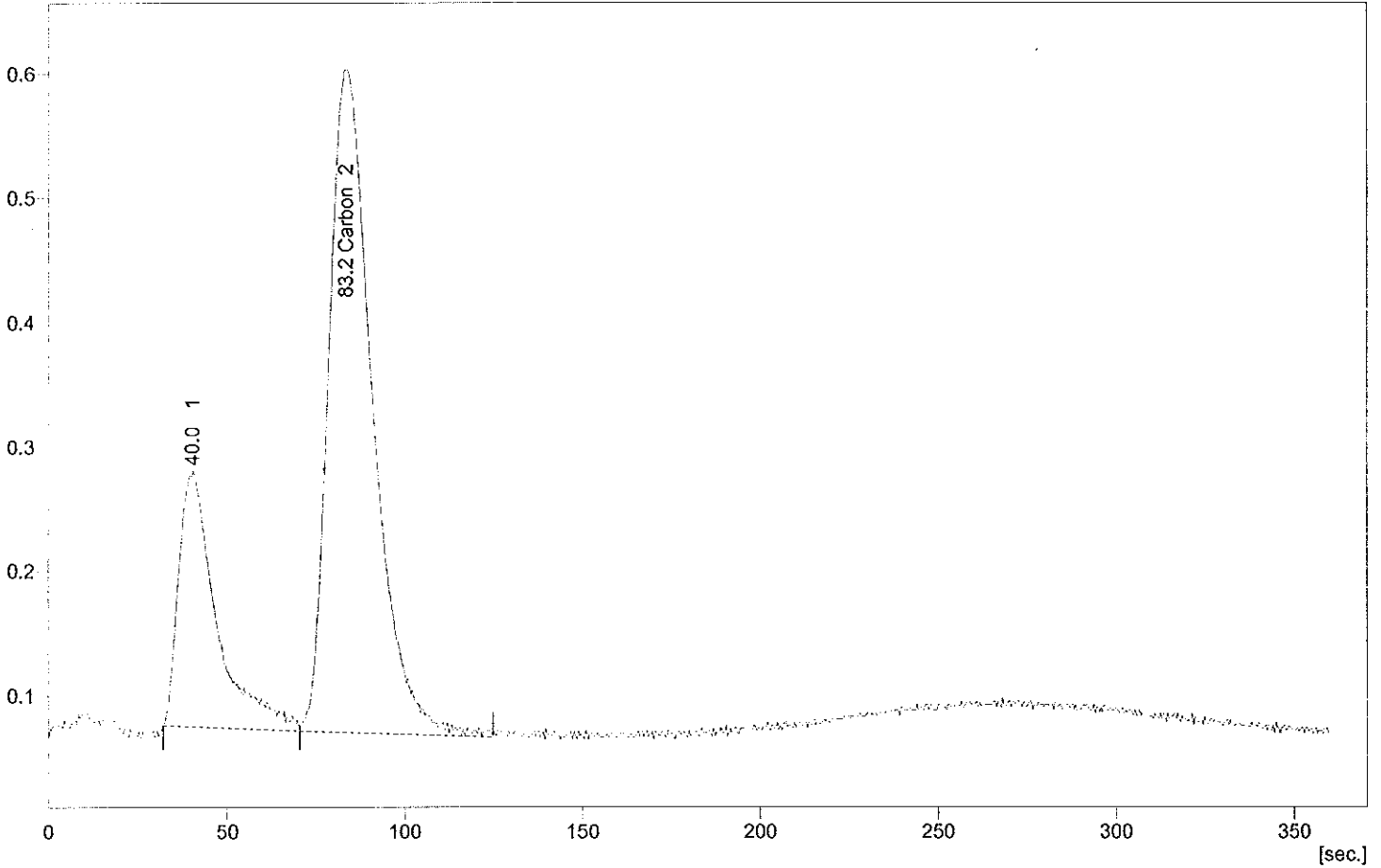
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	6.634	72.0	0.011	0.1133	1.0000	Refer
	Total	9.214	100.0	9.901	0.1133		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:08:18 PM
 Project : WORK2
 Weight : 10.296 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A012



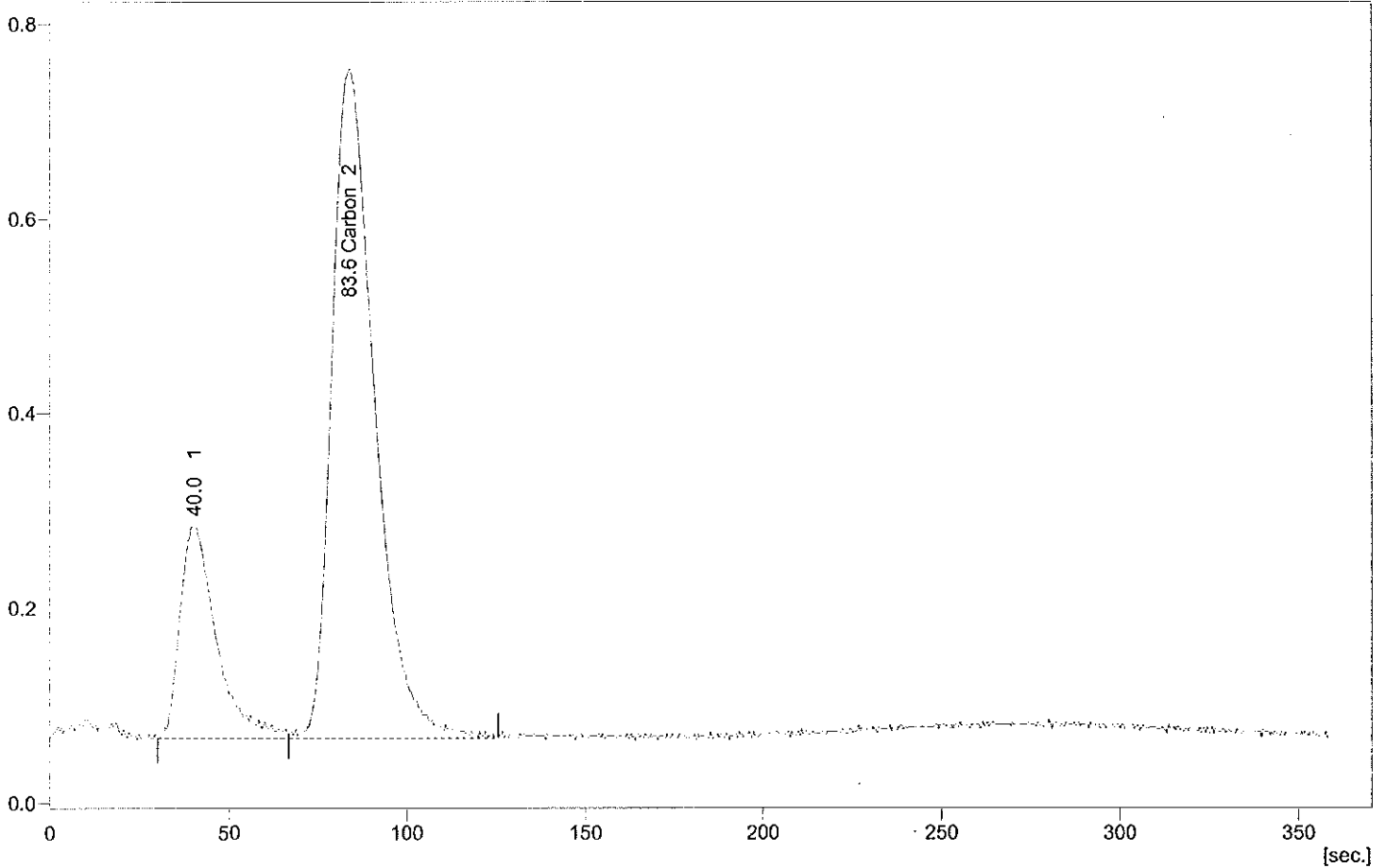
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.628	75.0	0.013	0.1222	1.0000	Refer
	Total	10.173	100.0	10.296	0.1222		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:14:59 PM
 Project : WORK2
 Weight : 10.133 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A013



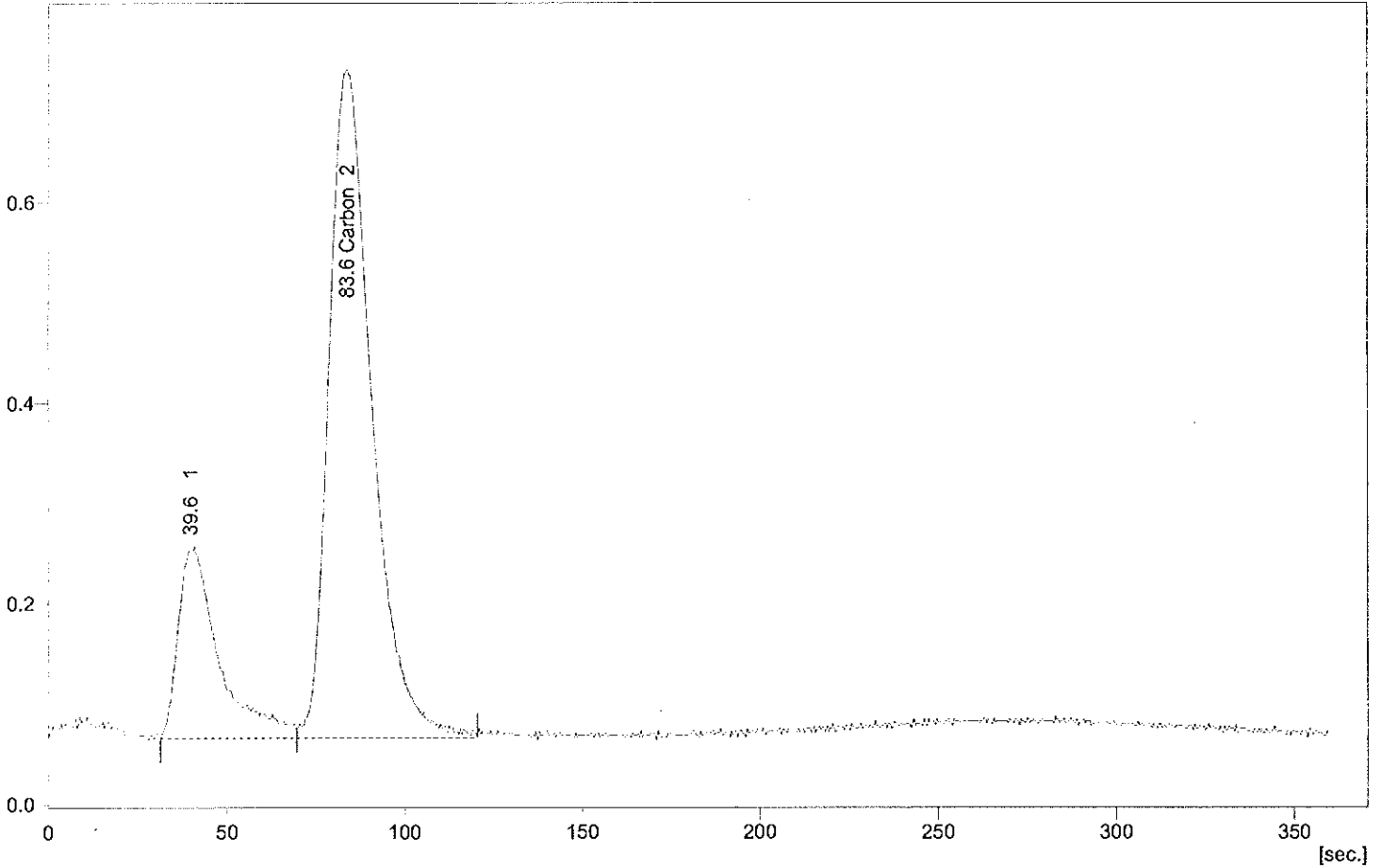
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.651	78.7	0.015	0.1517	1.0000	Refer
	Total	12.269	100.0	10.133	0.1517		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:21:41 PM
 Project : WORK2
 Weight : 10.252 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A014



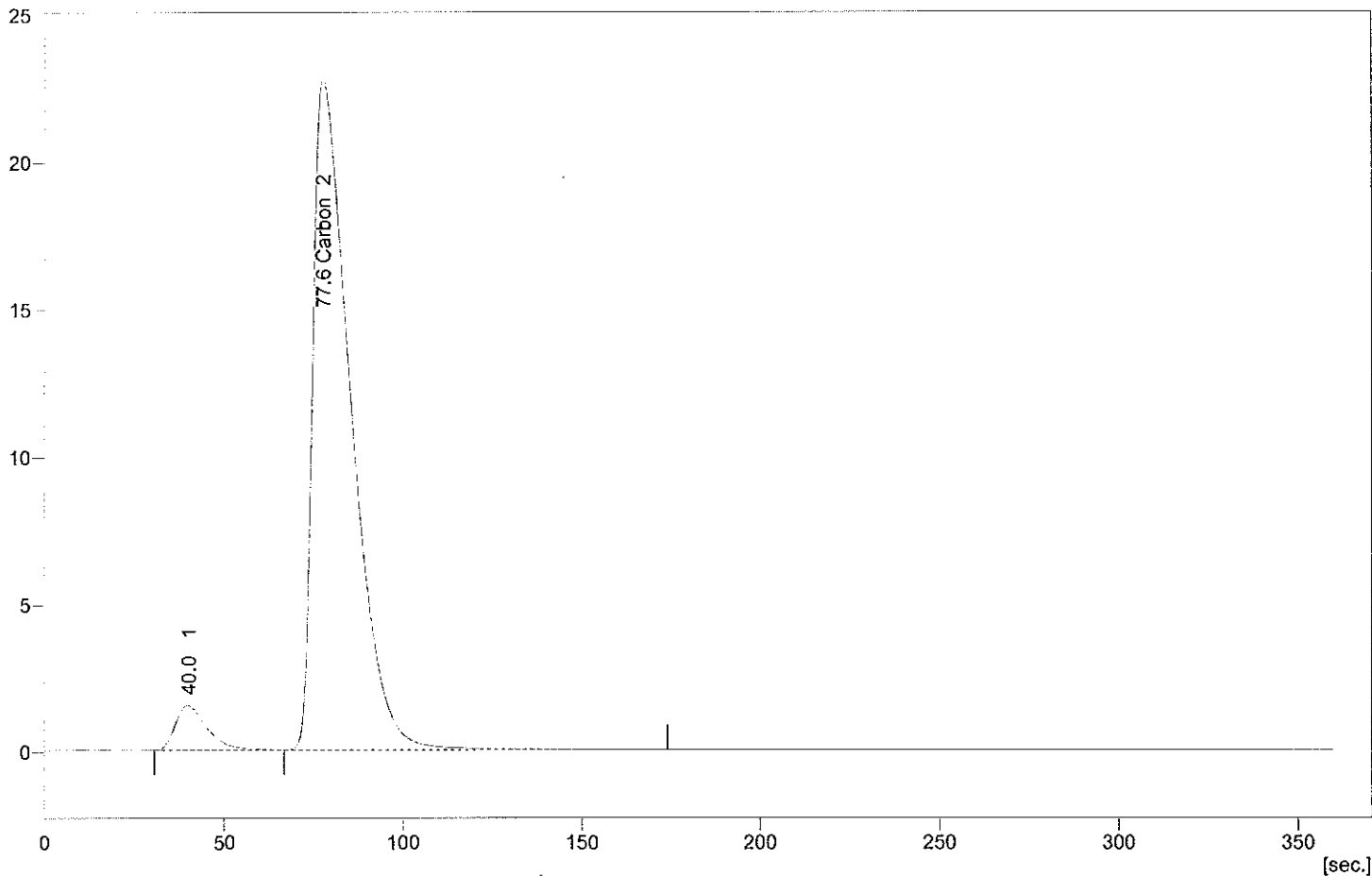
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.273	78.7	0.015	0.1449	1.0000	Refer
	Total	11.775	100.0	10.252	0.1449		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:28:23 PM
 Project : WORK2
 Weight : 0.513 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A015



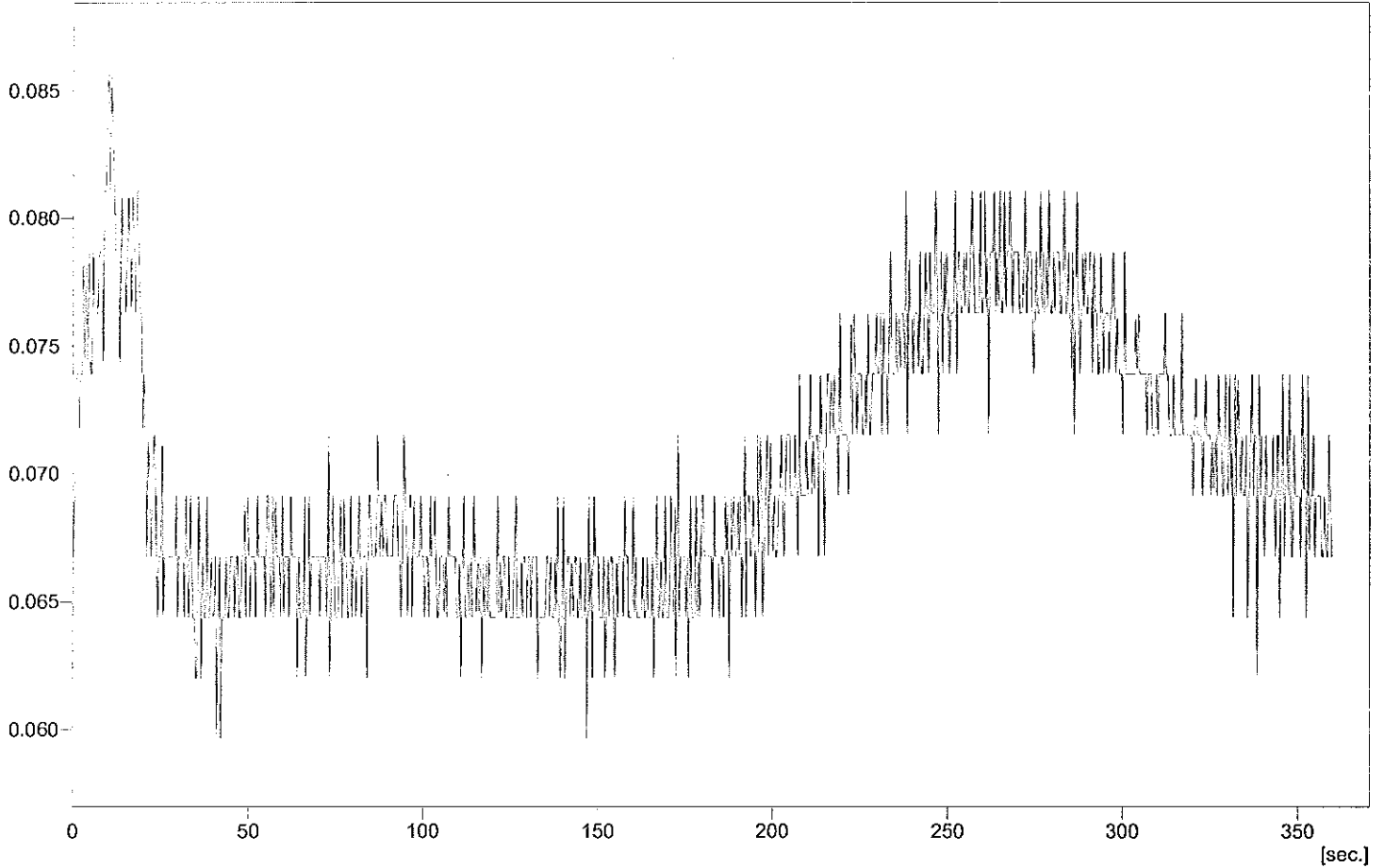
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.863	94.7	0.388	75.5699	1.0000	Refer
	Total	295.614	100.0	0.513	75.5699		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 1:35:07 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912A

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912A016



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 113152 Batch Start Date: 06/11/12 18:05 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CaCO3 00002	TOCS_LCS 00002				
ICV 580-113152/1		9060_PSEP		0.2082 g					
LCS 580-113152/4		9060_PSEP			191.5 mg				
CCV 580-113152/12		9060_PSEP		0.1171 g					
CCV 580-113152/24		9060_PSEP		0.1066 g					

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111760 Batch Start Date: 05/21/12 14:39 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32844-C-5	JW-UR-COMP-12050 8	D 2216	T	0.7833 g	8.8746 g	5.1342 g			

Batch Notes	
Balance ID	SEA218, SEA223 No Unit
Date samples were placed in the oven	05/21/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1510
Date samples were removed from oven	05/22/2012
Oven Temp when samples removed from oven	110.5 Degrees C
Time Samples were removed from oven	13:13
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32844-1

SDG No.: _____

Batch Number: 111762 Batch Start Date: 05/21/12 15:18 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: 05/22/12 14:03

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32844-C-10	JW-DR-COMP-12050 8	D 2216	T	0.7736 g	8.2443 g	4.5255 g			
580-32844-C-15	JW-RG-COMP-12050 8	D 2216	T	0.7681 g	6.8156 g	4.6096 g			

Batch Notes	
Balance ID	SEA218, SEA223 No Unit
Date samples were placed in the oven	05/21/2012
Oven Temp when samples are put in oven	110.5 Degrees C
Time samples were place in the oven	1545
Date samples were removed from oven	05/22/12
Oven Temp when samples removed from oven	110.5 Degrees C
Time Samples were removed from oven	13:13
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	110 Celsius
Uncorrected Out Temperature	110 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32844-1

SDG No.: _____

Batch Number: 39415 Batch Start Date: 05/29/12 11:55 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 13:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006			
ICV 200-39415/1		Lloyd Kahn			0.553 mg			
LCS 200-39415/4		Lloyd Kahn		9.261 mg				
CCV 200-39415/9		Lloyd Kahn			0.513 mg			

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1950
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

COVER PAGE
GEOTECHNICAL

Lab Name: TestAmerica Seattle Job Number: 580-32844-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID	Lab Sample ID
<u>JW-UR-COMP-120508</u>	<u>580-32844-5</u>
<u>JW-DR-COMP-120508</u>	<u>580-32844-10</u>
<u>JW-RG-COMP-120508</u>	<u>580-32844-15</u>

Comments:

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-JR-COMP-120508
 Lab Sample ID 580-32844-A-5

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 46 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	88	88
		38.1453

Sample Split

Tare	Pan+Sample	Sample
		10.1413
		28.004
		73.4

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.0382	0.0382 g	99.9	Gravel	
#18	1000	0	0.1782	0.1782 g	99.4	Sand	Coarse
#35	500	0	0.4173	0.4173 g	98.3	Sand	Medium
#60	250	0	1.132	1.132 g	95.3	Sand	Medium
#120	125	0	2.4419	2.4419 g	88.9	Sand	Fine
#230	63	0	5.9337	5.9337 g	73.3	Sand	Fine
				0 g	73.3	Sand	Fine
				0 g	73.3		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	59.0889	59.6511	0.56008	9.325	24.4459999	48.954	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	47.6596	48.0353	0.37358	6.01	15.75554524	33.198455	Silt	Medium
6 to 7	7.8	21	00:07:25	10	61.1574	61.4129	0.25338	-17.69	-46.37530705	79.573762	Silt	Fine
7 to 8	3.9	21	00:29:41	10	58.3845	58.9938	0.60718	25.56	67.0069445	12.566817	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	57.3723	57.4704	0.09598	1.935	5.072708827	7.4941086	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	52.5709	52.6303	0.05728	1.37	3.59153028	3.9025783	Clay	Medium
10 to 11	0.49	21	31:40:00	10	58.0676	58.0996	0.02988	1.494	3.916603094	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-DR-COMP-120508
 Lab Sample ID 580-32844-A-10

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 50 %

Default Soil Gravity 2.65

Sample Weights

Tare	Pan+Sample	Sample
	78.5	78.5
		27.3532

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

Tare	Pan+Sample	Sample
		1.7892
		25.564
		93.5

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	0	0 g	100.0	Gravel	
#10	2000	0	0.0085	0.0085 g	100.0	Gravel	
#18	1000	0	0.0884	0.0884 g	99.7	Sand	Coarse
#35	500	0	0.2368	0.2368 g	98.8	Sand	Medium
#60	250	0	0.3775	0.3775 g	97.4	Sand	Medium
#120	125	0	0.4398	0.4398 g	95.8	Sand	Fine
#230	63	0	0.6382	0.6382 g	93.5	Sand	Fine
				0 g	93.5	Sand	Fine
				0 g	93.5		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	48.6518	49.1652	0.51128	7.7	28.15027127	65.349729	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	57.184	57.5434	0.35728	6.91	25.26212655	40.087602	Silt	Medium
6 to 7	7.8	21	00:07:25	10	62.6865	62.9077	0.21908	5.555	20.30840998	19.779192	Silt	Fine
7 to 8	3.9	21	00:29:41	10	62.2051	62.3152	0.10798	2.545	9.304213035	10.474979	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	58.2174	58.2766	0.05708	1.345	4.917157773	5.5578214	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	62.7511	62.7834	0.03018	0.705	2.577394967	2.9804264	Clay	Medium
10 to 11	0.49	21	31:40:00	10	54.0249	54.0431	0.01608	0.804	2.939327026	0	Clay	Fine
			not defined	10								

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-RG-COMP-120508
 Lab Sample ID 580-32844-A-15

Date Received 5/8/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 36 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		107.2	107.2
Sample Weight (dry)			51.9571

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			36.3831
Sample <#230			15.574
% Passing #230			30

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g		100.0 Cobbles	
2.5 inch	63000	0	0	0 g		100.0 Cobbles	
1.25 inch	31500	0	0	0 g		100.0 Gravel	
5/8 inch	16000	0	0	0 g		100.0 Gravel	
5/16 inch	8000	0	0	0 g		100.0 Gravel	
#4	4750	0	0	0 g		100.0 Gravel	
#5	4000	0	0	0 g		100.0 Gravel	
#10	2000	0	0.0575	0.0575 g		99.9 Gravel	
#18	1000	0	0.4888	0.4888 g		99.0 Sand	Coarse
#35	500	0	0.998	0.998 g		97.1 Sand	Medium
#60	250	0	2.2692	2.2692 g		92.7 Sand	Medium
#120	125	0	11.7752	11.7752 g		70.0 Sand	Fine
#230	63	0	20.7944	20.7944 g		30.0 Sand	Fine
				0 g		30.0 Sand	Fine
				0 g		30.0	
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	62.0255	62.3391	0.31148	4.12	7.929618859	22.070381	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	48.8471	49.0783	0.22908	2.45	4.71542869	17.354952	Silt	Medium
6 to 7	7.8	21	00:07:25	10	49.8927	50.0749	0.18008	2.435	4.686558719	12.668394	Silt	Fine
7 to 8	3.9	21	00:29:41	10	61.3831	61.5166	0.13138	2.19	4.21501585	8.4533779	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	57.8409	57.9306	0.08758	1.72	3.310423407	5.1429545	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.2819	61.3372	0.05318	1.21	2.328844374	2.8141101	Clay	Medium
10 to 11	0.49	21	31:40:00	10	55.0003	55.0314	0.02898	1.449	2.788839254	0	Clay	Fine
			not defined	10								

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-UR-COMP-120508

Lab Sample ID: 580-32844-5

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:12

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	0.10			%			1	PSEP Plumb 1981
	Sand	27			%			1	PSEP Plumb 1981
	Silt	61			%			1	PSEP Plumb 1981
	Clay	13			%			1	PSEP Plumb 1981

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-DR-COMP-120508

Lab Sample ID: 580-32844-10

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 14:32

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	0.00			%			1	PSEP Plumb 1981
	Sand	6.5			%			1	PSEP Plumb 1981
	Silt	83			%			1	PSEP Plumb 1981
	Clay	11			%			1	PSEP Plumb 1981

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-RG-COMP-120508

Lab Sample ID: 580-32844-15

Lab Name: TestAmerica Seattle

Job No.: 580-32844-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/08/2012 17:28

Reporting Basis: WET

Date Received: 05/09/2012 15:15

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	6.7			%			1	PSEP Plumb 1981
	Sand	14			%			1	PSEP Plumb 1981
	Silt	70			%			1	PSEP Plumb 1981
	Clay	9.0			%			1	PSEP Plumb 1981

Subcontract Data

Shipping and Receiving Documents



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

32844

Turnaround Requested:

Anchor Contact:

Page 1 of 1

Lab Contact:		Project: <u>Jed Wen</u>			Analyses Requested							Notes/ Comments:			
Lab: <u>Test America</u>		Surface Sediment			ARCHIVE	TS/TDC/Bc/GS/PAH									
Address: <u>5755 8th Street E.</u>		Proj. No.: <u>120909-01-01</u>													
City, etc: <u>Tacoma WA 98424</u>		Sampler: <u>NS/KC</u>													
Phone: <u>253-922-2310</u>		Shipping Method: <u>Pick-Up</u>													
Fax: <u>253-922-5047</u>		AirBill #:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers											
1	JW-UR-SS47-1205	5/8/12	11:34	Sed	2	X									
2	JW-UR-SS46-1205	5/8/12	11:26	Sed	2	X									
3	JW-UR-SS45-1205	5/8/12	11:11	Sed	2	X									
4	JW-UR-SS44-1205	5/8/12	10:57	Sed	2	X									
5	JW-UR-COMP-1205	5/8/12	14:12	Sed	2		X								
6	JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X									
7	JW-DR-SS49-1205	5/8/12	11:20	Sed	2	X									
8	JW-DR-SS50-1205	5/8/12	11:40	Sed	2	X									
9	JW-DR-SS51-1205	5/8/12	11:50	Sed	2	X									
10	JW-DR-COMP-1205	5/8/12	14:32	Sed	2		X								
11	JW-RG-SS52-1205	5/8/12	12:05	Sed	2	X									
12	JW-RG-SS55-1205	5/8/12	12:21	Sed	2	X									
13	JW-RG-SS53-1205	5/8/12	12:10	Sed	2	X									
14	JW-RG-SS54-1205	5/8/12	12:22	Sed	2	X									
15	JW-RG-COMP-1205	5/8/12	17:28	Sed	2		X								

Relinquished: (Signature) <u>Cindy Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/9/12 11:30am</u>	Date/Time:	Date/Time:		
Received By: <u>[Signature]</u>	Received By:	Received By:		
Printed Name: <u>Francisco Luna Jr.</u>	Printed Name:	Printed Name:	# of Coolers:	Cooler Temp(s):
Company: <u>TA-SEA</u>	Company:	Company:	COC Seals Intact?	Bottles Intact?
Date/Time: <u>5/9/12 1400</u>	Date/Time:	Date/Time:		

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32844-1

Login Number: 32844

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32844-1

Login Number: 32844
List Number: 1
Creator: Kirchner, Benjamin

List Source: TestAmerica Burlington
List Creation: 05/17/12 04:37 PM

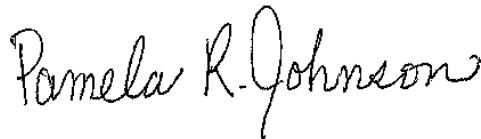
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	385782
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C, IR GUN ID 154, CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 580-32847-1

Job Description: Jeld-Wen Surface Sediment

For:
Anchor QEA LLC
720 Olive Way
Suite 1900
Seattle, WA 98101
Attention: Cindy Fields



Approved for release.
Pam R Johnson
Project Manager I
6/18/2012 1:24 PM

Pam R Johnson
Project Manager I
pamr.johnson@testamericainc.com
06/18/2012

cc: Lab Data
Niki Masters

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This report shall not be reproduced except in full, without prior express written approval by the laboratory. The results relate only to the item(s) tested and the sample(s) as received by the laboratory.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted in the case narrative.

TestAmerica Laboratories, Inc.

TestAmerica Seattle 5755 8th Street East, Tacoma, WA 98424
Tel (253) 922-2310 Fax (253) 922-5047 www.testamericainc.com



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CASE NARRATIVE

Client: Anchor QEA LLC
Project: Jeld-Wen Surface Sediment
Report Number: 580-32847-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 05/10/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.9 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PUGET SOUND ESTUARY PROGRAM TOTAL ORGANIC CARBON

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for Puget Sound Estuary Program total organic carbon in accordance with EPA SW-846 Method 9060, modified to meet the Puget Sound Estuary Program requirements. The samples were analyzed on 06/11/2012.

Due to high sample volume, not all samples could be run within hold. The sample was frozen to extend the hold time and ran when instrument capacity was available.

No other difficulties were encountered during the PSEP TOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for percent solids in accordance with ASTM D2216. The samples were analyzed on 05/22/2012.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

GRAIN SIZE

Sample JW-EA05-COMP-120509 (580-32847-5) was analyzed for grain size in accordance with D422. The samples were analyzed on 06/08/2012.

No difficulties were encountered during the grain size analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
580-32847-1	JW-EA05-SS19-120509	Solid	05/09/2012 1132	05/10/2012 1600
580-32847-2	JW-EA05-SS20-120509	Solid	05/09/2012 1155	05/10/2012 1600
580-32847-3	JW-EA05-SS18-120509	Solid	05/09/2012 1055	05/10/2012 1600
580-32847-4	JW-EA05-SS17-120509	Solid	05/09/2012 1010	05/10/2012 1600
580-32847-5	JW-EA05-COMP-120509	Solid	05/09/2012 1414	05/10/2012 1600

METHOD SUMMARY

Client: Anchor QEA LLC

Job Number: 580-32847-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
TOC (Puget Sound)	TAL SEA	PSEP 9060_PSEP	
Percent Moisture	TAL SEA	ASTM D 2216	
Black Carbon (Lloyd Kahn)	TAL BUR	EPA Lloyd Kahn	
Auto LabComplete Method for Specialized Pricing in US-Steel	TAL SEA	AutoGenChem	

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

PSEP = Puget Sound Estuary Program

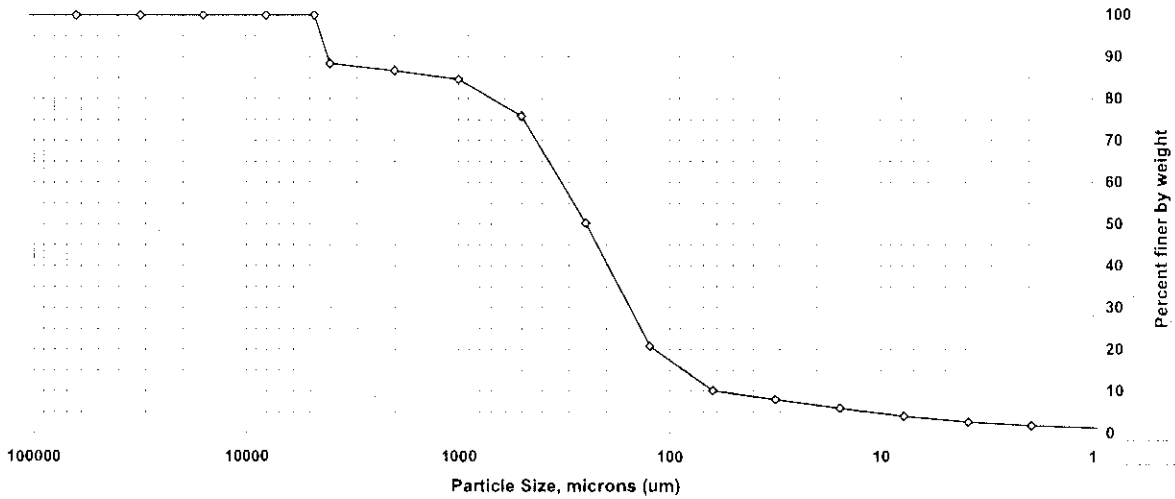


Particle Size of Sediments by PSEP/Plumb 1981

Client: Anchor QEA LLC
 Sample ID: JW-EA05-COMP-120509
 Lab ID: 580-32847-A-5

Percent Solids: 67%
 Specific Gravity: 2.650

Date Received: 5/9/2012
 Start Date: 6/8/2012
 End Date: 6/15/2012



Sieve size	Particle size, um	Percent finer	Incremental percent
5 inch	125000	100.0	0.0
2.5 inch	63000	100.0	0.0
1.25 inch	31500	100.0	0.0
5/8 inch	16000	100.0	0.0
5/16 inch	8000	100.0	0.0
#4	4750	100.0	0.0
#5	4000	88.4	11.6
#10	2000	86.7	1.7
#18	1000	84.6	2.1
#35	500	75.8	8.8
#60	250	50.2	25.6
#120	125	20.8	29.4
#230	63	10.1	10.7
Phi Size 4 to 5	31.42	7.9	2.2
Phi Size 5 to 6	15.6	5.9	2.1
Phi Size 6 to 7	7.8	3.9	1.9
Phi Size 7 to 8	3.9	2.6	1.4
Phi Size 8 to 9	1.95	1.7	0.8
Phi Size 9 to 10	0.98	1.2	0.5
Phi Size 10 to 11	0.49	0.0	1.2
>Phi Size 11	<0.98		0.0

Soil Classification	Percent of Total Sample
Cobbles	0.0
Gravel	13
Sand	77
Very Coarse Sand	2.1
Coarse Sand	8.8
Medium Sand	25.6
Fine Sand	29.4
Very Fine Sand	10.7
Silt	7.5
Coarse Silt	2.2
Medium Silt	2.1
Fine Silt	1.9
Very Fine Silt	1.4
Clay	2.6
Coarse Clay	0.8
Medium Clay	0.5
Fine Clay	1.2

Percent finer by weight

Client: Anchor QEA LLC

Job Number: 580-32847-1

General Chemistry

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Date Sampled: 05/09/2012 1414

Client Matrix: Solid

Date Received: 05/10/2012 1600

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	7400		mg/Kg	610	2000	1.0	9060_PSEP
	Analysis Batch: 580-113152		Analysis Date: 06/11/2012 1915				DryWt Corrected: N

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Solids	67		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111866		Analysis Date: 05/22/2012 1548				DryWt Corrected: N
Percent Moisture	33		%	0.10	0.10	1.0	D 2216
	Analysis Batch: 580-111866		Analysis Date: 05/22/2012 1548				DryWt Corrected: N
Black Carbon	1500		mg/Kg	1000	1000	1.0	Lloyd Kahn
	Analysis Batch: 200-39415		Analysis Date: 05/29/2012 1314				DryWt Corrected: N

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Method Blank - Batch: 580-113152

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	MB 580-113152/3	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1809	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		610	2000

Lab Control Sample - Batch: 580-113152

**Method: 9060_PSEP
Preparation: N/A**

Lab Sample ID:	LCS 580-113152/4	Analysis Batch:	580-113152	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	06/11/2012 1811	Units:	mg/Kg	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	2720	2830	104	34 - 166	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Method Blank - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: MB 200-39415/3
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/29/2012 1209
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 200-39415
Prep Batch: N/A
Leach Batch: N/A
Units: mg/Kg

Instrument ID: WCCH2
Lab File ID: 052912A003
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Result	Qual	RL	RL
Black Carbon	ND		1000	1000

Lab Control Sample - Batch: 200-39415

Method: Lloyd Kahn

Preparation: N/A

Lab Sample ID: LCS 200-39415/4
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 05/29/2012 1222
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 200-39415
Prep Batch: N/A
Leach Batch: N/A
Units: mg/Kg

Instrument ID: WCCH2
Lab File ID: 052912A005
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Black Carbon	9900	13100	132	50 - 150	

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:200-39415					
LCS 200-39415/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 200-39415/3	Method Blank	T	Solid	Lloyd Kahn	
580-32847-5	JW-EA05-COMP-120509	T	Solid	Lloyd Kahn	
Analysis Batch:580-111866					
580-32847-5	JW-EA05-COMP-120509	T	Solid	D 2216	
Analysis Batch:580-113152					
LCS 580-113152/4	Lab Control Sample	T	Solid	9060_PSEP	
MB 580-113152/3	Method Blank	T	Solid	9060_PSEP	
580-32847-5	JW-EA05-COMP-120509	T	Solid	9060_PSEP	

Report Basis

T = Total

Quality Control Results

Client: Anchor QEA LLC

Job Number: 580-32847-1

Laboratory Chronicle

Lab ID: 580-32847-5

Client ID: JW-EA05-COMP-120509

Sample Date/Time: 05/09/2012 14:14

Received Date/Time: 05/10/2012 16:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	580-32847-A-5		580-113152		06/11/2012 19:15	1	TAL SEA	AM
A:D 2216	580-32847-D-5		580-111866		05/22/2012 15:48	1	TAL SEA	EZ
A:Lloyd Kahn	580-32847-A-5		200-39415		05/29/2012 13:14	1	TAL BUR	AJN

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	MB 580-113152/3		580-113152		06/11/2012 18:09	1	TAL SEA	AM
A:Lloyd Kahn	MB 200-39415/3		200-39415		05/29/2012 12:09	1	TAL BUR	AJN

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9060_PSEP	LCS 580-113152/4		580-113152		06/11/2012 18:11	1	TAL SEA	AM
A:Lloyd Kahn	LCS 200-39415/4		200-39415		05/29/2012 12:22	1	TAL BUR	AJN

Lab References:

TAL BUR = TestAmerica Burlington

TAL SEA = TestAmerica Seattle

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CaCO3_00002	06/02/17		ACROS, Lot A0311356		(Purchased Reagent)		Total Organic Carbon	12 g
TOCS_LCS_00002	03/31/13		ERA, Lot D066-542		(Purchased Reagent)		Total Organic Carbon	2720 mg/Kg
WCBCLCSs_00006	03/31/19		NIST, Lot SRM1944		(Purchased Reagent)		Black Carbon	0.0099 g/g
WCLKCCVs_00006	11/17/12		COSTECH, Lot NA		(Purchased Reagent)		Black Carbon	0.7109 g/g

Certification Summary

Client: Anchor QEA LLC
 Project/Site: Jeld-Wen Surface Sediment

TestAmerica Job ID: 580-32847-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Seattle	Alaska (UST)	State Program	10	UST-022
TestAmerica Seattle	California	NELAC	9	1115CA
TestAmerica Seattle	Florida	NELAC	4	E871074
TestAmerica Seattle	L-A-B	DoD ELAP		L2236
TestAmerica Seattle	L-A-B	ISO/IEC 17025		L2236
TestAmerica Seattle	Louisiana	NELAC	6	05016
TestAmerica Seattle	Montana (UST)	State Program	8	N/A
TestAmerica Seattle	Oregon	NELAC	10	WA100007
TestAmerica Seattle	USDA	Federal		P330-11-00222
TestAmerica Seattle	Washington	State Program	10	C553
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Seattle

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-44-0	Total Organic Carbon	7400	2000	610	mg/Kg			1	9060_PSE P

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GENERAL CHEMISTRY

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Burlington

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Black Carbon	1500	1000		mg/Kg			1	Lloyd Kahn

2-IN
 CALIBRATION QUALITY CONTROL
 GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1
 SDG No.: _____
 Analyst: AM Batch Start Date: 06/11/2012
 Reporting Units: mg/Kg Analytical Batch No.: 113152

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:05	Total Organic Carbon	119000	120000	99	80-120		CaCO3_00002
2	ICB	18:07	Total Organic Carbon	ND					
12	CCV	18:45	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
13	CCB	18:47	Total Organic Carbon	ND					
24	CCV	19:33	Total Organic Carbon	121000	120000	101	80-120		CaCO3_00002
25	CCB	19:35	Total Organic Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32847-1
SDG No.: _____
Analyst: AJN Batch Start Date: 05/29/2012
Reporting Units: mg/Kg Analytical Batch No.: 39415

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:55	Black Carbon	706000	711000	99	85-115		WCLKCCVs_00006
2	ICB	12:02	Black Carbon	ND					
9	CCV	13:28	Black Carbon	756000	711000	106	85-115		WCLKCCVs_00006
10	CCB	13:35	Black Carbon	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 113152 Date: 06/11/2012 18:09							
9060_PSEP	MB 580-113152/3	Total Organic Carbon	ND		mg/Kg	2000	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington

Job No.: 580-32847-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 39415 Date: 05/29/2012 12:09							
Lloyd Kahn	MB 200-39415/3	BC Result 1	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	BC Result 2	ND		mg/Kg	1000	1
Lloyd Kahn	MB 200-39415/3	Black Carbon	ND		mg/Kg	1000	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 113152 Date: 06/11/2012 18:11			LCS Source: TOCS_LCS_00002								
9060_PS	LCS	Total Organic Carbon	2830		mg/Kg	2720	104	34-166			
EP	580-113152/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 39415		Date: 05/29/2012 12:22									
						LCS Source: WCBCLCSs_00006					
Lloyd	LCS	Black Carbon	13100		mg/Kg	9900	132	50-150			
Kahn	200-39415/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP MDL Date: 04/24/2008 14:41

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: 9060_PSEP XMDL Date: 11/01/2009 12:22

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Total Organic Carbon		2000	608

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: D 2216 RL Date: 01/01/2005 13:13

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn RL Date: 05/27/2011 10:47

Analyte	Wavelength/ Mass	RL (mg/Kg)	
Black Carbon		1000	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 580-32847-1
SDG Number: _____
Matrix: Solid Instrument ID: WCCH2
Method: Lloyd Kahn XMDL Date: 05/27/2011 10:48

Analyte	Wavelength/ Mass	XRL (mg/Kg)	XMDL (mg/Kg)
Black Carbon		1000	110

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 9060_PSEP

Start Date: 06/11/2012 18:05 End Date: 06/11/2012 20:12

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T O C															
ICV 580-113152/1	1		18:05	X															
ZZZZZZ			18:05																
ICB 580-113152/2	1		18:07	X															
MB 580-113152/3	1	T	18:09	X															
LCS 580-113152/4	1	T	18:11	X															
ZZZZZZ			18:16																
ZZZZZZ			18:20																
ZZZZZZ			18:24																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:35																
ZZZZZZ			18:40																
CCV 580-113152/12	1		18:45	X															
CCB 580-113152/13	1		18:47	X															
ZZZZZZ			18:49																
ZZZZZZ			18:53																
ZZZZZZ			18:58																
ZZZZZZ			19:02																
ZZZZZZ			19:06																
ZZZZZZ			19:10																
580-32847-5	1	T	19:15	X															
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:28																
CCV 580-113152/24	1		19:33	X															
CCB 580-113152/25	1		19:35	X															
ZZZZZZ			19:38																
ZZZZZZ			19:42																
ZZZZZZ			19:47																
ZZZZZZ			19:52																
ZZZZZZ			19:57																
ZZZZZZ			20:01																
CCV 580-113152/32			20:10																
CCB 580-113152/33			20:12																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Instrument ID: NOEQUIP Method: D 2216

Start Date: 05/22/2012 15:48 End Date: 05/22/2012 15:48

Lab Sample ID	D / F	T y p e	Time	Analytes																
				% S o l	M o i s t															
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
ZZZZZZ			15:48																	
580-32847-5	1	T	15:48	X	X															

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Instrument ID: WCCH2 Method: Lloyd Kahn

Start Date: 05/29/2012 11:55 End Date: 05/29/2012 13:35

Lab Sample ID	D / F	T y p e	Time	Analytes																									
				B C																									
ICV 200-39415/1	1		11:55	X																									
ICB 200-39415/2	1		12:02	X																									
MB 200-39415/3	1	T	12:09	X																									
LCS 200-39415/4	1	T	12:22	X																									
ZZZZZZ			12:35																										
ZZZZZZ			12:48																										
ZZZZZZ			13:01																										
580-32847-5	1	T	13:14	X																									
CCV 200-39415/9	1		13:28	X																									
CCB 200-39415/10	1		13:35	X																									

Prep Types

T = Total/NA

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICV		0.2082	TA SOIL LINNEAR	6/11/2012 6:05:00 PM	11.85	E08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
ICB		0.1921	TA SOIL LINNEAR	6/11/2012 6:07:13 PM	-0.01494	E09

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
MB		0.2289	TA SOIL LINNEAR	6/11/2012 6:09:26 PM	-0.01515	E10

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
LCSCRM		0.1915	TA SOIL LINNEAR	6/11/2012 6:11:38 PM	0.2828	A01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32803-A-7 msd		0.1561	0.1124 TA SOIL LINNEAR	6/11/2012 6:14:09 PM	7.438	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-3		0.0996	TA SOIL LINNEAR	6/11/2012 6:16:20 PM	0.7982	A03
33192-A-3		0.1002	TA SOIL LINNEAR	6/11/2012 6:18:17 PM	0.8087	A04
Average		0.0999			0.8034	
Std. Deviation		0.0004			0.00741	
RSD		0.425			0.922	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4		0.1069	TA SOIL LINNEAR	6/11/2012 6:20:28 PM	0.7747	A05
33192-A-4		0.0999	TA SOIL LINNEAR	6/11/2012 6:22:39 PM	0.7627	A06
Average		0.1034			0.7687	
Std. Deviation		0.005			0.00848	
RSD		4.787			1.103	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 dup		0.0983	TA SOIL LINNEAR	6/11/2012 6:24:50 PM	0.7951	A07
33192-A-4 dup		0.0962	TA SOIL LINNEAR	6/11/2012 6:26:47 PM	0.7897	A08
Average		0.0973			0.7924	
Std. Deviation		0.001			0.00385	
RSD		1.527			0.486	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 trip		0.1086	TA SOIL LINNEAR	6/11/2012 6:28:58 PM	0.8594	A09
33192-A-4 trip		0.0970	TA SOIL LINNEAR	6/11/2012 6:30:54 PM	0.8176	A10
Average		0.1028			0.8385	
Std. Deviation		0.008			0.02957	
RSD		7.979			3.526	

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR	6/11/2012 6:33:16 PM	11.80	B01

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR	6/11/2012 6:35:56 PM	21.06	B02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33192-A-5		0.1148	TA SOIL LINNEAR	6/11/2012 6:40:30 PM	0.8209	B03
33192-A-5		0.1052	TA SOIL LINNEAR	6/11/2012 6:42:41 PM	0.8639	B04
Average		0.1100			0.8424	
Std. Deviation		0.007			0.03040	
RSD		6.171			3.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-1		0.1171	TA SOIL LINNEAR	6/11/2012 6:45:16 PM	12.11	B05

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-1		0.2116	TA SOIL LINNEAR	6/11/2012 6:47:27 PM	-0.003191	B06

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-1		0.1109	TA SOIL LINNEAR	6/11/2012 6:49:38 PM	1.275	B07
33209-A-1		0.0996	TA SOIL LINNEAR	6/11/2012 6:51:49 PM	1.295	B08
Average		0.1053			1.285	
Std. Deviation		0.008			0.0142	
RSD		7.592			1.102	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-2		0.1073	TA SOIL LINNEAR	6/11/2012 6:53:46 PM	1.226	B09
33209-A-2		0.1103	TA SOIL LINNEAR	6/11/2012 6:55:58 PM	1.041	B10
Average		0.1088			1.133	
Std. Deviation		0.002			0.1306	
RSD		1.950			11.53	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
33209-A-3		0.1119	TA SOIL LINNEAR	6/11/2012 6:58:09 PM	1.105	C01
33209-A-3		0.0982	TA SOIL LINNEAR	6/11/2012 8:08:05 PM	1.147	A04
Average		0.1051			1.126	
Std. Deviation		0.010			0.0294	
RSD		9.222			2.606	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-5		0.1990	TA SOIL LINNEAR	6/11/2012 7:02:17 PM	2.028	C03
32844-A-5		0.1977	TA SOIL LINNEAR	6/11/2012 7:04:28 PM	2.013	C04
Average		0.1984			2.021	

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.0009			0.0107	
RSD		0.463			0.531	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-10		0.2064	TA SOIL LINNEAR	6/11/2012 7:06:28 PM	2.038	C05
32844-A-10		0.2153	TA SOIL LINNEAR	6/11/2012 7:08:39 PM	2.020	C06
Average		0.2108			2.029	
Std. Deviation		0.006			0.0124	
RSD		2.985			0.609	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32844-A-15		0.1966	TA SOIL LINNEAR	6/11/2012 7:10:37 PM	2.215	C07
32844-A-15		0.1996	TA SOIL LINNEAR	6/11/2012 7:12:49 PM	2.407	C08
Average		0.1981			2.311	
Std. Deviation		0.002			0.1361	
RSD		1.071			5.888	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
32847-A-5		0.2112	TA SOIL LINNEAR	6/11/2012 7:15:00 PM	0.6676	C09
32847-A-5		0.2022	TA SOIL LINNEAR	6/11/2012 7:17:11 PM	0.8198	C10
Average		0.2067			0.7437	
Std. Deviation		0.006			0.10759	
RSD		3.079			14.47	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42223-A-15		0.1965	TA SOIL LINNEAR	6/11/2012 7:19:11 PM	1.745	D01
720-42223-A-15		0.1987	TA SOIL LINNEAR	6/11/2012 7:21:22 PM	1.825	D02
Average		0.1976			1.785	
Std. Deviation		0.002			0.0562	
RSD		0.787			3.150	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-1		0.2038	TA SOIL LINNEAR	6/11/2012 7:23:44 PM	0.3551	D03
720-42242-A-1		0.1987	TA SOIL LINNEAR	6/11/2012 7:26:06 PM	0.3288	D04
Average		0.2012			0.3420	
Std. Deviation		0.004			0.01860	
RSD		1.792			5.440	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42242-A-6		0.2179	TA SOIL LINNEAR	6/11/2012 7:28:29 PM	0.2799	D05
720-42242-A-6		0.2009	TA SOIL LINNEAR	6/11/2012 7:30:56 PM	0.2810	D06
Average		0.2094			0.2804	

SC632

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
Std. Deviation		0.01			0.00077	
RSD		5.741			0.275	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-2		0.1066	TA SOIL LINNEAR	6/11/2012 7:33:36 PM	12.12	D07

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-2		0.2045	TA SOIL LINNEAR	6/11/2012 7:35:47 PM	0.04832	D08

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-1		0.2136	TA SOIL LINNEAR	6/11/2012 7:38:14 PM	0.3706	D09
720-42243-A-1		0.2129	TA SOIL LINNEAR	6/11/2012 7:40:37 PM	0.3626	D10
Average		0.2133			0.3666	
Std. Deviation		0.0005			0.00571	
RSD		0.232			1.557	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42243-A-6		0.2174	TA SOIL LINNEAR	6/11/2012 7:42:59 PM	0.3195	E01
720-42243-A-6		0.2162	TA SOIL LINNEAR	6/11/2012 7:45:24 PM	0.3252	E02
Average		0.2168			0.3223	
Std. Deviation		0.0008			0.00406	
RSD		0.391			1.260	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-1		0.1986	TA SOIL LINNEAR	6/11/2012 7:47:37 PM	0.3033	E03
720-42244-A-1		0.2097	TA SOIL LINNEAR	6/11/2012 7:50:00 PM	0.3256	E04
Average		0.2041			0.3145	
Std. Deviation		0.008			0.01577	
RSD		3.845			5.015	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42244-A-6		0.1980	TA SOIL LINNEAR	6/11/2012 7:52:29 PM	0.2499	E05
720-42244-A-6		0.2148	TA SOIL LINNEAR	6/11/2012 7:54:58 PM	0.2909	E06
Average		0.2064			0.2704	
Std. Deviation		0.01			0.02898	
RSD		5.756			10.72	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-1		0.2063	TA SOIL LINNEAR	6/11/2012 7:57:09 PM	2.628	E07
720-42245-A-1		0.1989	TA SOIL LINNEAR	6/11/2012 7:59:07 PM	2.406	E08
Average		0.2026			2.517	
Std. Deviation		0.005			0.1570	
RSD		2.583			6.237	

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Name	Description	Mass	Method	Analysis Date	Carbon %	Location
720-42245-A-6		0.2016	TA SOIL LINNEAR	6/11/2012 8:01:21 PM	0.9296	E09
720-42245-A-6		0.2005	TA SOIL LINNEAR	6/11/2012 8:03:32 PM	1.159	E10
Average		0.2011			1.044	
Std. Deviation		0.0008			0.1625	
RSD		0.387			15.56	

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCV-3		0.1065	TA SOIL LINNEAR	6/11/2012 8:10:44 PM	12.17	A02

Name	Description	Mass	Method	Analysis Date	Carbon %	Location
CCB-3		0.1942	TA SOIL LINNEAR	6/11/2012 8:12:55 PM	-0.008384	A03

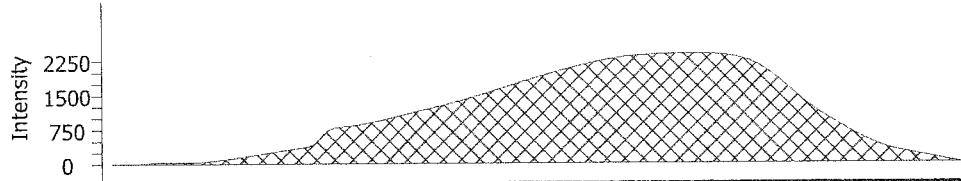
Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

ICV

Name	Description	Mass	Method
ICV		0.2082	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:05:00 PM		E08	

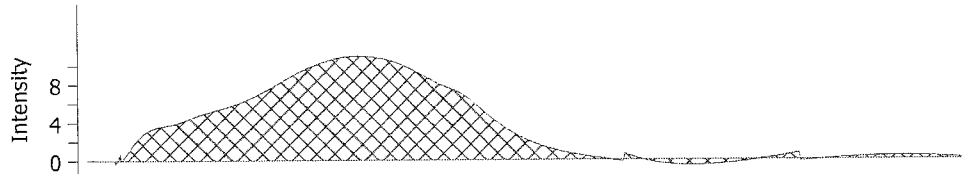
Carbon %
11.85



ICB

Name	Description	Mass	Method
ICB		0.1921	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:07:13 PM		E09	

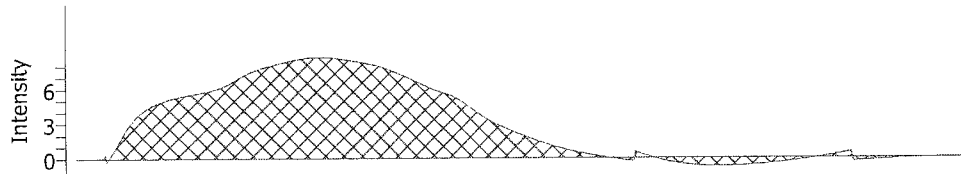
Carbon %
-0.01494



MB

Name	Description	Mass	Method
MB		0.2289	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:09:26 PM		E10	

Carbon %
-0.01515

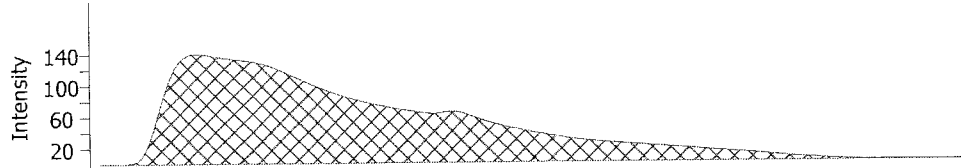


SC632

LCSCRM

Name	Description	Mass	Method
LCSCRM		0.1915	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:11:38 PM		A01	

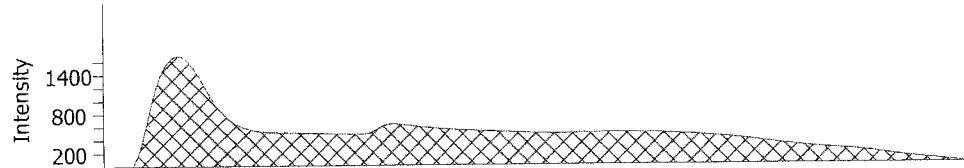
Carbon %
0.2828



32803-A-7 msd

Name	Description	Mass	Method
32803-A-7 msd	0.1561	0.1124	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:14:09 PM		A02	

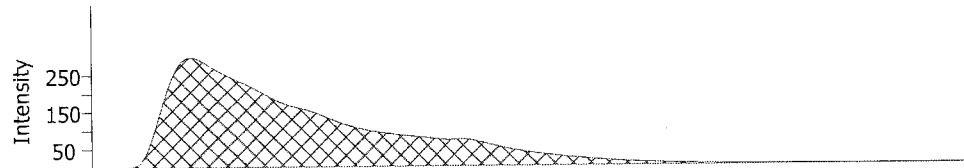
Carbon %
7.438



33192-A-3

Name	Description	Mass	Method
33192-A-3		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:16:20 PM		A03	

Carbon %
0.7982

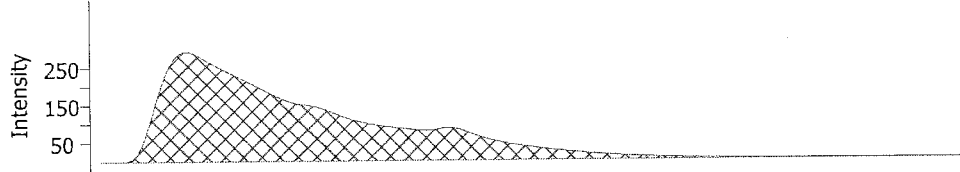


SC632

33192-A-3

Name	Description	Mass	Method
33192-A-3		0.1002	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:18:17 PM	A04		

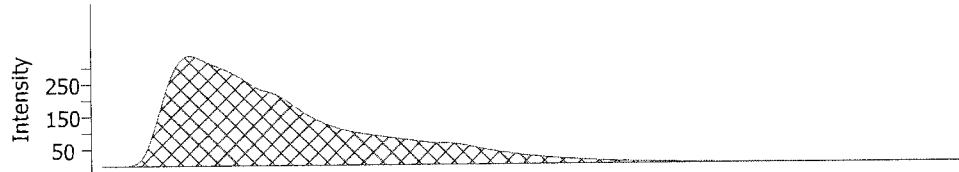
Carbon %
0.8087



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.1069	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:20:28 PM	A05		

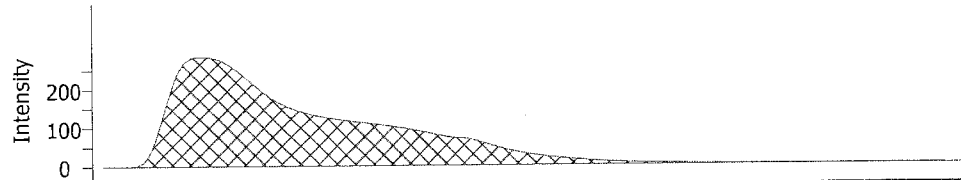
Carbon %
0.7747



33192-A-4

Name	Description	Mass	Method
33192-A-4		0.0999	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:22:39 PM	A06		

Carbon %
0.7627

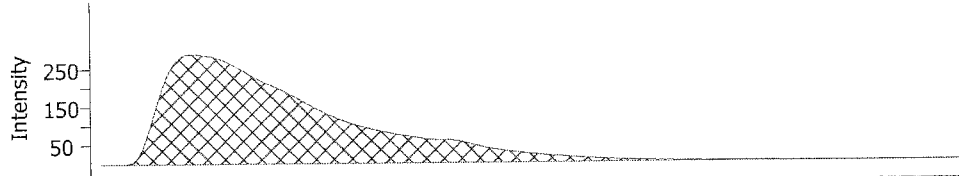


SC632

33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0983	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:24:50 PM		A07	

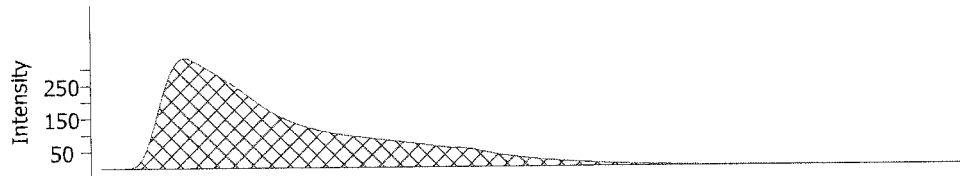
Carbon %
0.7951



33192-A-4 dup

Name	Description	Mass	Method
33192-A-4 dup		0.0962	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:26:47 PM		A08	

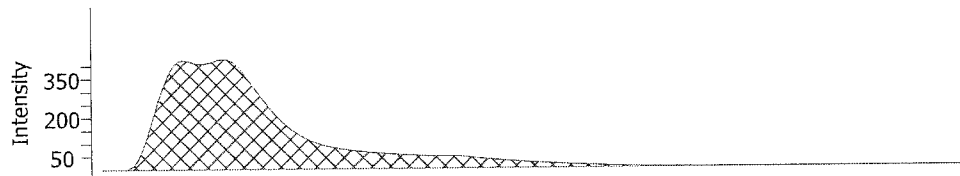
Carbon %
0.7897



33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.1086	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:28:58 PM		A09	

Carbon %
0.8594

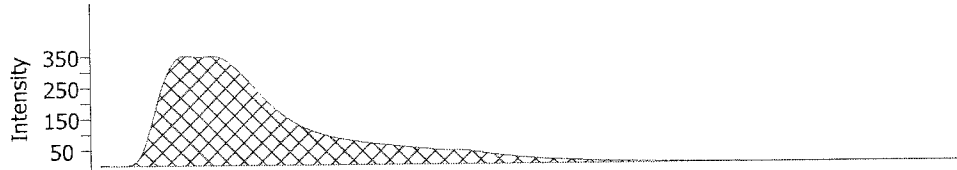


SC632

33192-A-4 trip

Name	Description	Mass	Method
33192-A-4 trip		0.0970	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:30:54 PM		A10	

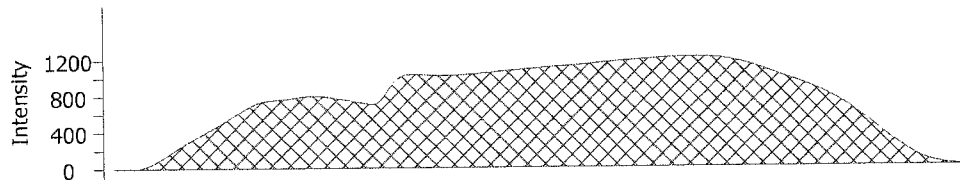
Carbon %
0.8176



33192-A-4 ms

Name	Description	Mass	Method
33192-A-4 ms	0.1027	0.1144	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:33:16 PM		B01	

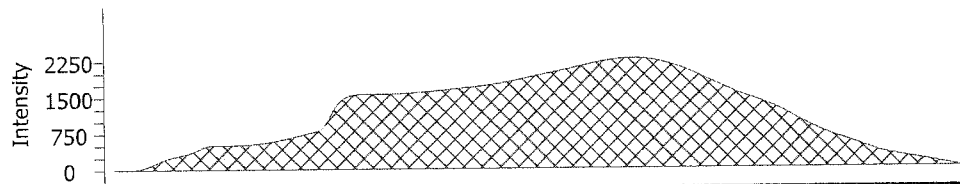
Carbon %
11.80



33192-A-4 msd

Name	Description	Mass	Method
33192-A-4 msd	0.1908	0.1171	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:35:56 PM		B02	

Carbon %
21.06

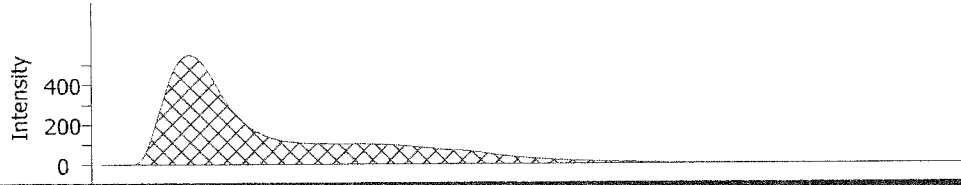


SC632

33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:40:30 PM	B03		

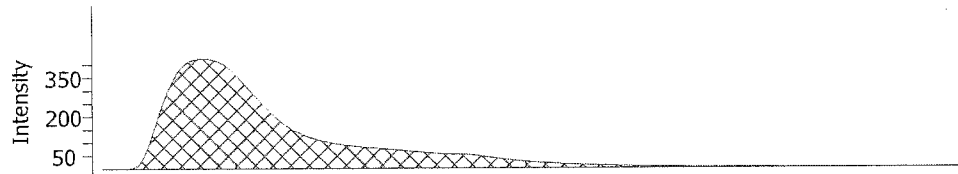
Carbon %
0.8209



33192-A-5

Name	Description	Mass	Method
33192-A-5		0.1052	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:42:41 PM	B04		

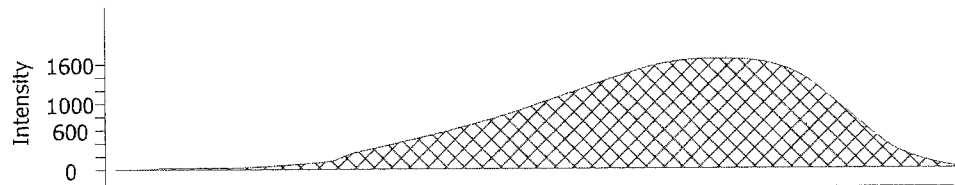
Carbon %
0.8639



CCV-1

Name	Description	Mass	Method
CCV-1		0.1171	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:45:16 PM	B05		

Carbon %
12.11

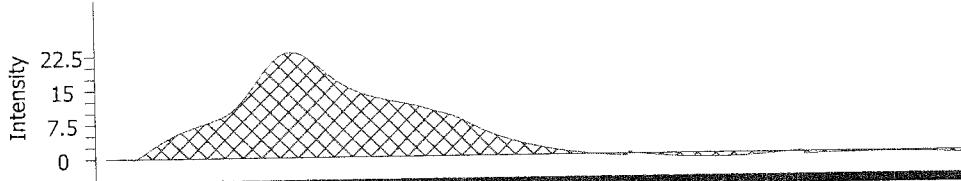


SC632

CCB-1

Name	Description	Mass	Method
CCB-1		0.2116	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:47:27 PM		B06	

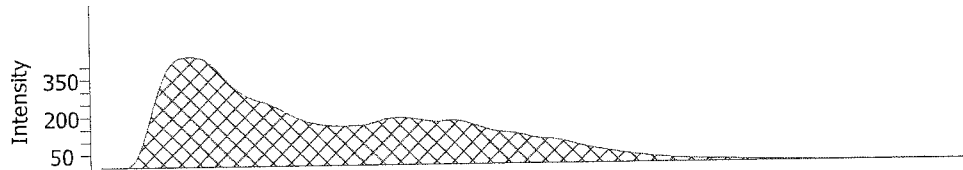
Carbon %
-0.003191



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.1109	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:49:38 PM		B07	

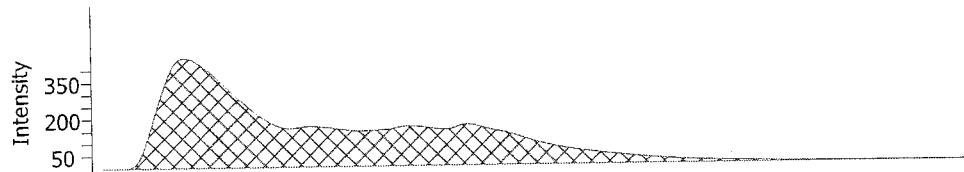
Carbon %
1.275



33209-A-1

Name	Description	Mass	Method
33209-A-1		0.0996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 6:51:49 PM		B08	

Carbon %
1.295

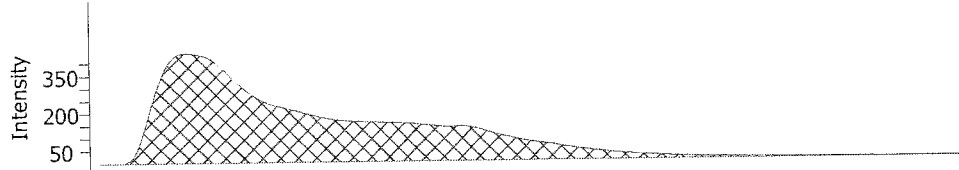


SC632

33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1073	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:53:46 PM	B09		

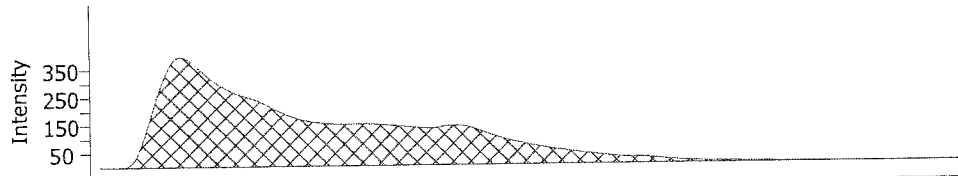
Carbon %
1.226



33209-A-2

Name	Description	Mass	Method
33209-A-2		0.1103	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:55:58 PM	B10		

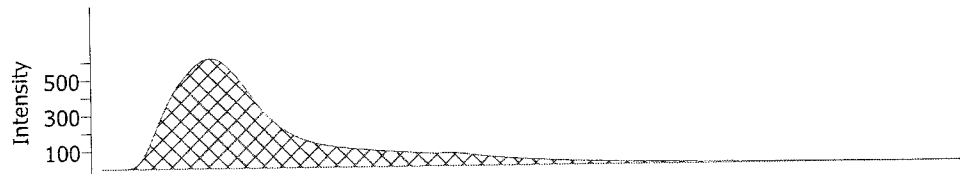
Carbon %
1.041



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.1119	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 6:58:09 PM	C01		

Carbon %
1.105

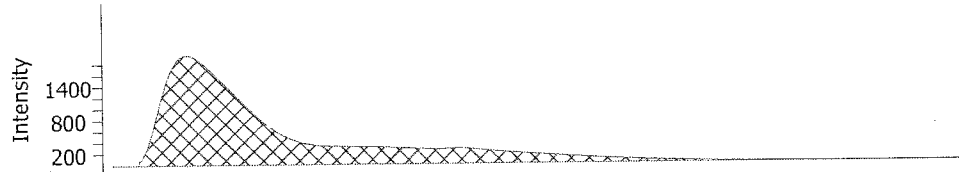


SC632

32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1990	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:02:17 PM	C03		

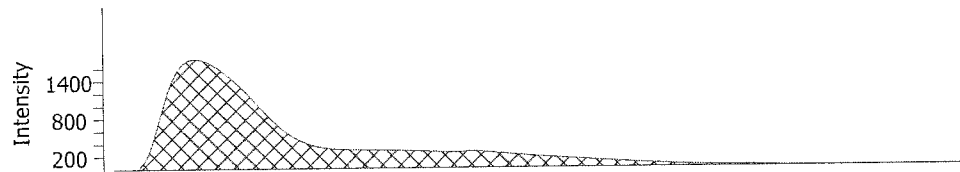
Carbon %
2.028



32844-A-5

Name	Description	Mass	Method
32844-A-5		0.1977	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:04:28 PM	C04		

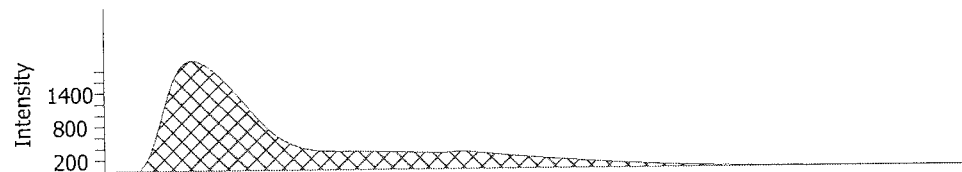
Carbon %
2.013



32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2064	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:06:28 PM	C05		

Carbon %
2.038

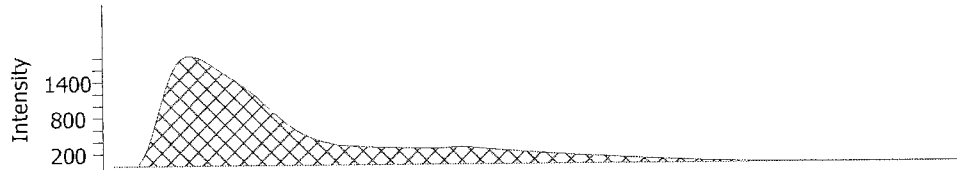


SC632

32844-A-10

Name	Description	Mass	Method
32844-A-10		0.2153	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:08:39 PM		C06	

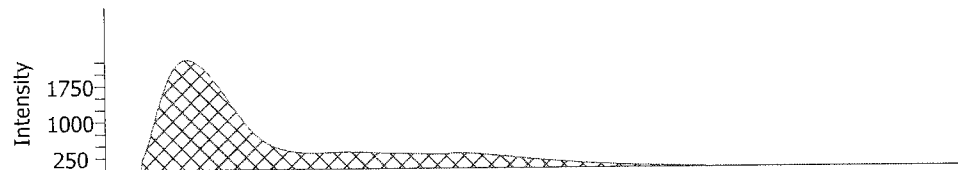
Carbon %
2.020



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1966	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:10:37 PM		C07	

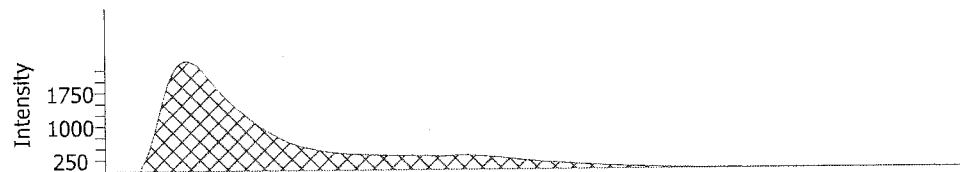
Carbon %
2.215



32844-A-15

Name	Description	Mass	Method
32844-A-15		0.1996	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:12:49 PM		C08	

Carbon %
2.407

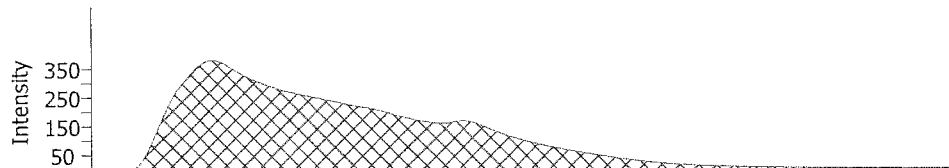


SC632

32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2112	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:15:00 PM	C09		

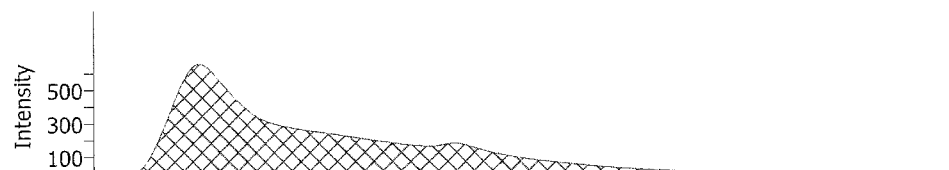
Carbon %
0.6676



32847-A-5

Name	Description	Mass	Method
32847-A-5		0.2022	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:17:11 PM	C10		

Carbon %
0.8198



720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1965	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:19:11 PM	D01		

Carbon %
1.745

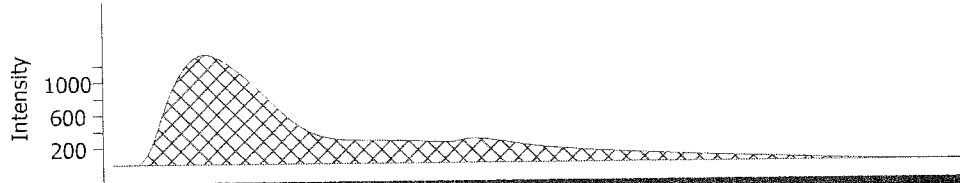


SC632

720-42223-A-15

Name	Description	Mass	Method
720-42223-A-15		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:21:22 PM	D02		

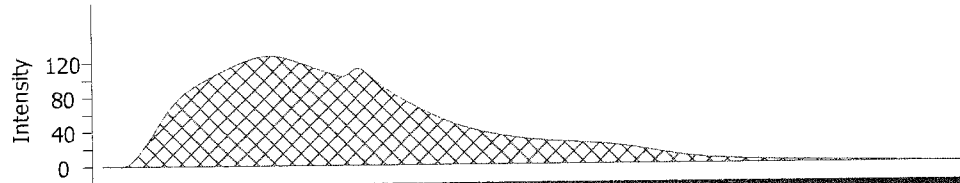
Carbon %
1.825



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.2038	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:23:44 PM	D03		

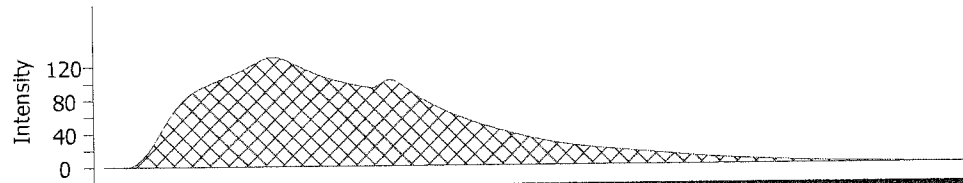
Carbon %
0.3551



720-42242-A-1

Name	Description	Mass	Method
720-42242-A-1		0.1987	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:26:06 PM	D04		

Carbon %
0.3288

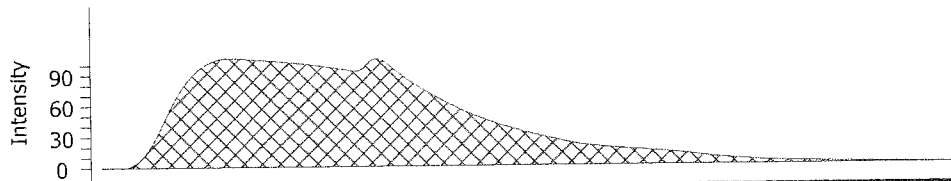


SC632

720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2179	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:28:29 PM	D05		

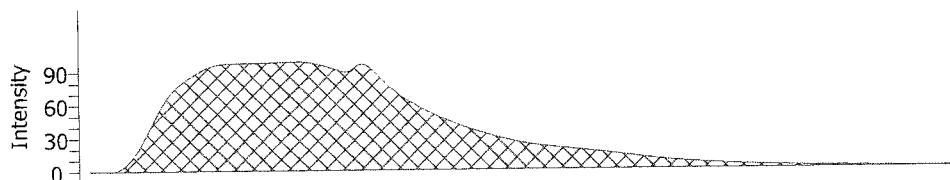
Carbon %
0.2799



720-42242-A-6

Name	Description	Mass	Method
720-42242-A-6		0.2009	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:30:56 PM	D06		

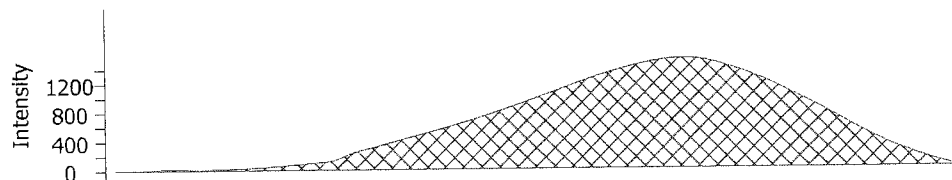
Carbon %
0.2810



CCV-2

Name	Description	Mass	Method
CCV-2		0.1066	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:33:36 PM	D07		

Carbon %
12.12

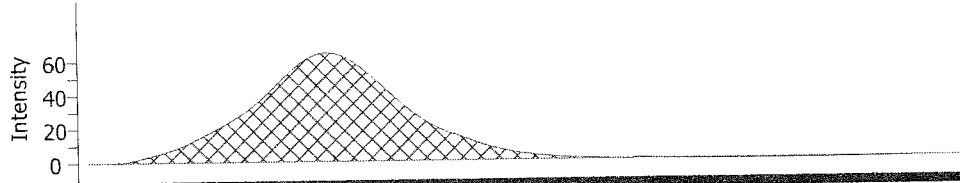


SC632

CCB-2

Name	Description	Mass	Method
CCB-2		0.2045	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:35:47 PM		D08	

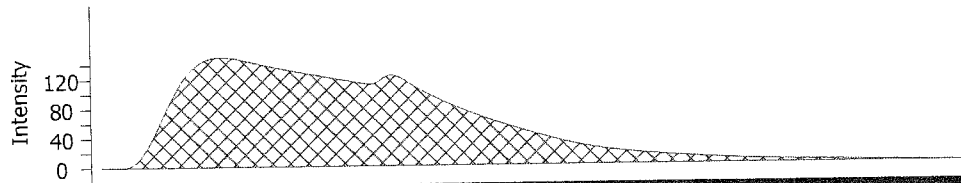
Carbon %
0.04832



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2136	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:38:14 PM		D09	

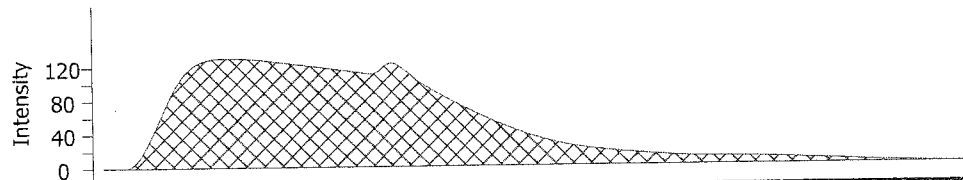
Carbon %
0.3706



720-42243-A-1

Name	Description	Mass	Method
720-42243-A-1		0.2129	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:40:37 PM		D10	

Carbon %
0.3626

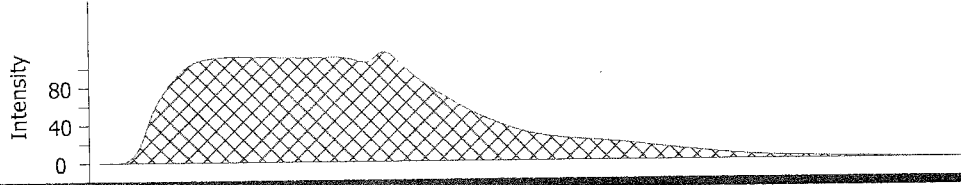


SC632

720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2174	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:42:59 PM		E01	

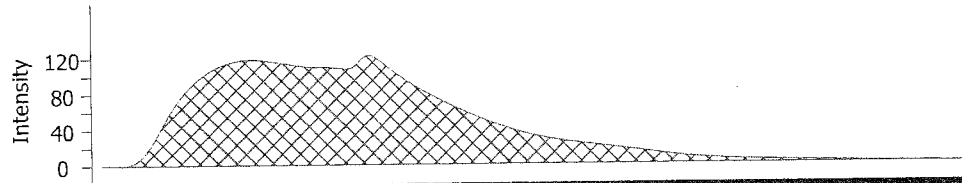
Carbon %
0.3195



720-42243-A-6

Name	Description	Mass	Method
720-42243-A-6		0.2162	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:45:24 PM		E02	

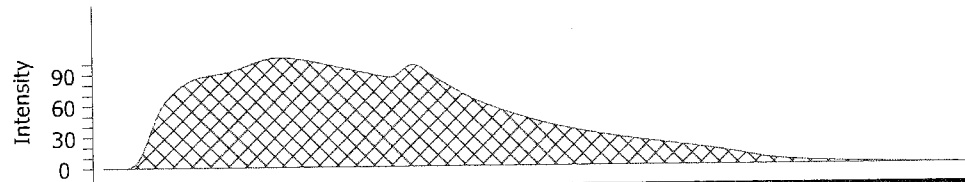
Carbon %
0.3252



720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.1986	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:47:37 PM		E03	

Carbon %
0.3033

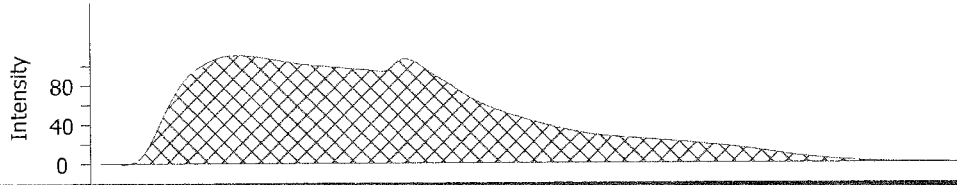


SC632

720-42244-A-1

Name	Description	Mass	Method
720-42244-A-1		0.2097	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:50:00 PM	E04		

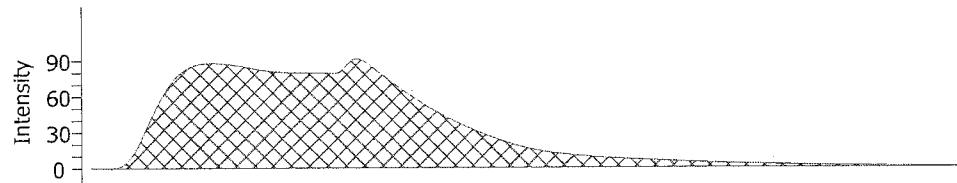
Carbon %
0.3256



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.1980	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:52:29 PM	E05		

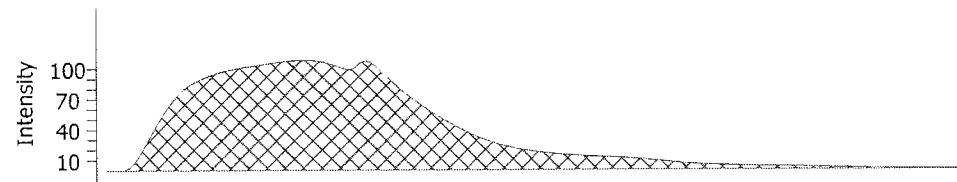
Carbon %
0.2499



720-42244-A-6

Name	Description	Mass	Method
720-42244-A-6		0.2148	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 7:54:58 PM	E06		

Carbon %
0.2909

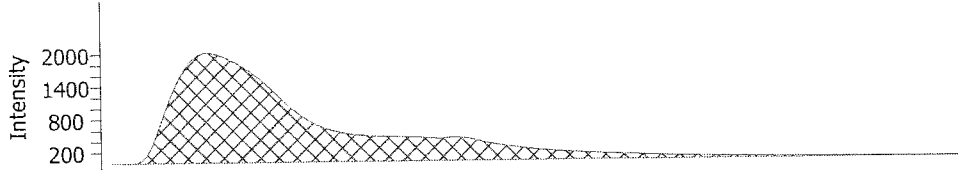


SC632

720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.2063	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:57:09 PM		E07	

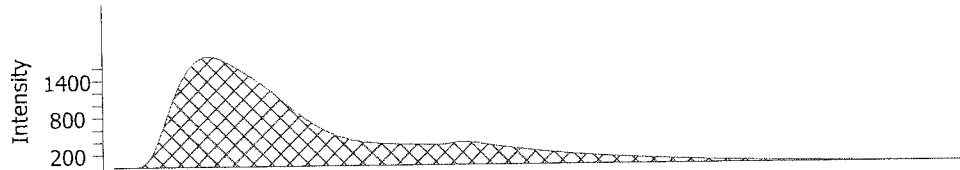
Carbon %
2.628



720-42245-A-1

Name	Description	Mass	Method
720-42245-A-1		0.1989	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 7:59:07 PM		E08	

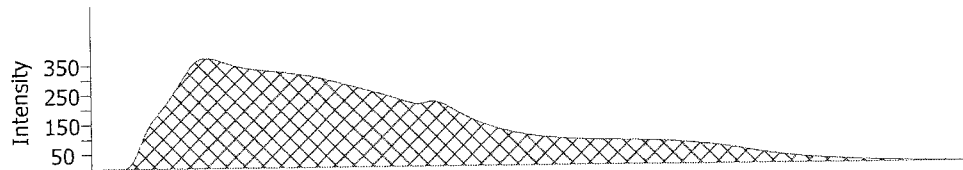
Carbon %
2.406



720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2016	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:01:21 PM		E09	

Carbon %
0.9296

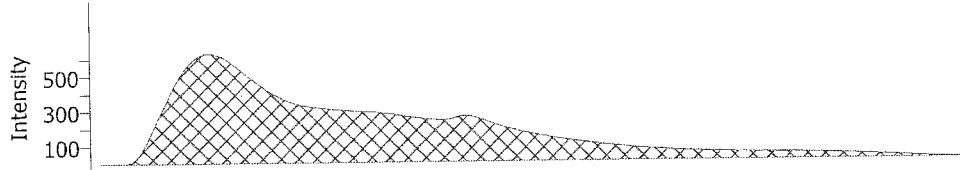


SC632

720-42245-A-6

Name	Description	Mass	Method
720-42245-A-6		0.2005	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:03:32 PM		E10	

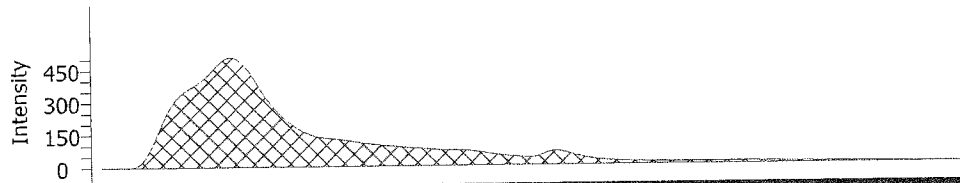
Carbon %
1.159



33209-A-3

Name	Description	Mass	Method
33209-A-3		0.0982	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:08:05 PM		A04	

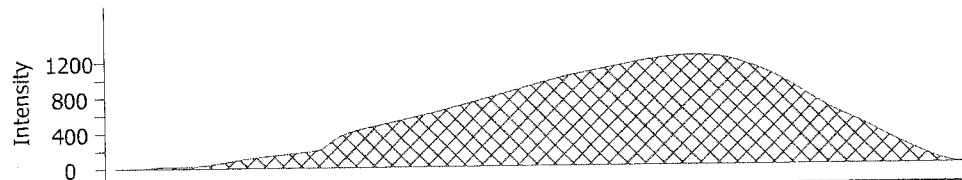
Carbon %
1.147



CCV-3

Name	Description	Mass	Method
CCV-3		0.1065	TA SOIL LINNEAR
Analysis Date		Location	
6/11/2012 8:10:44 PM		A02	

Carbon %
12.17

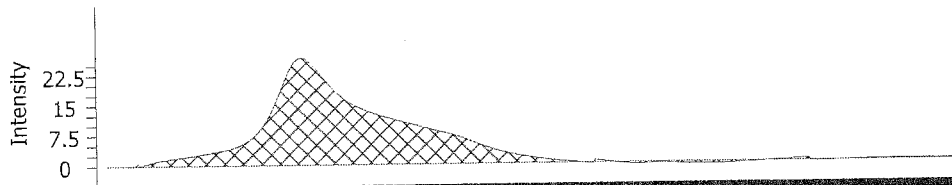


SC632

CCB-3

Name	Description	Mass	Method
CCB-3		0.1942	TA SOIL LINNEAR
Analysis Date	Location		
6/11/2012 8:12:55 PM	A03		

Carbon %
-0.008384



Element	Average	Std. Deviation	RSD	Count
Mass	0.1655	0.05	29.86	55
Carbon %	2.413	4.2288	175.3	55

SC632

TA SOIL LINNEAR Calibration - Read Only

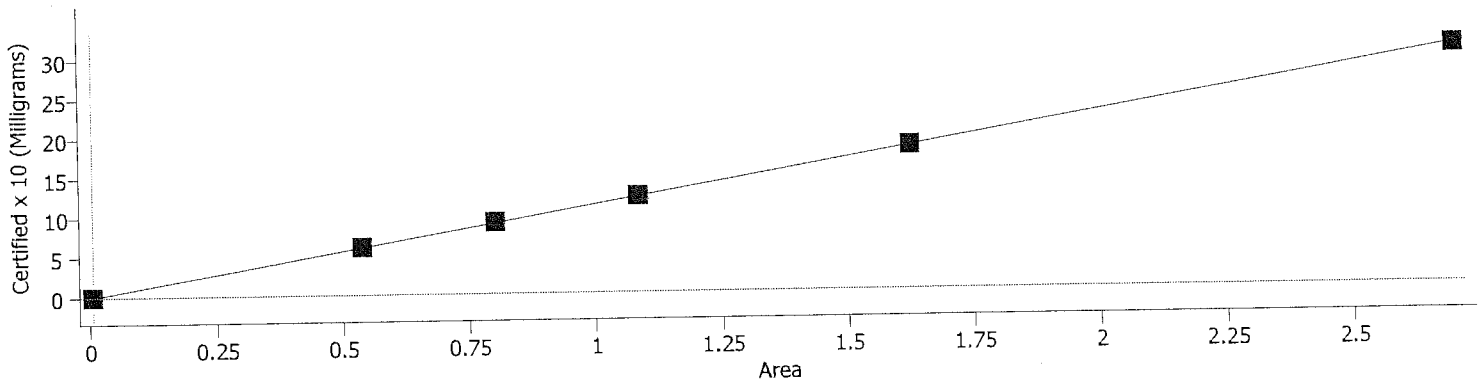
CO2 Low (range: 0.000000 to 30.156000 mg)

Previous Calibration:

y= +1.12453x - 0.00721171
Date: 6/2/2012 10:08:33 AM

New Calibration:

y= +1.12453x - 0.00721171
Curve Type: Linear
Weighting: 1 / Certified
RMS Error: 0.00010686



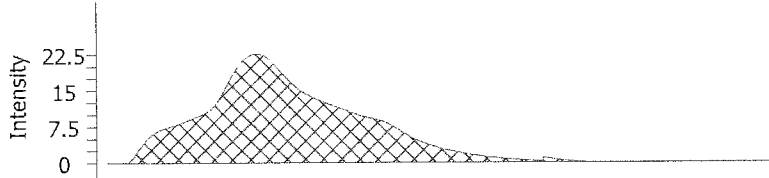
Row	Standard	Drift	Mass	Certified	Calculated	Error %	Prev Err %	Peak	Peak Area	Weighting	Date	Range	Saturated
1	Blank	0	1.0000	0.0000000000000054	0.0000000000000054	100.00	100.00	22.599	0.00641312	1.5000E+01	06/02/12 09:45 AM	Low	No
2	501-034 12%	0	0.050200	12.000	11.924	-0.63726	-0.63726	1187.7	0.53869	1.6600	06/02/12 09:47 AM	Low	No
3	501-034 12%	0	0.075400	12.000	11.879	-1.0111	-1.0111	1333.5	0.80288	1.1052	06/02/12 09:50 AM	Low	No
4	501-034 12%	1	0.10150	12.000	11.960	-0.33691	-0.33691	1434.7	1.0859	0.82102	06/02/12 09:52 AM	Low	No
5	501-034 12%	0	0.15140	12.000	12.020	0.16267	0.16267	2180.0	1.6246	0.55042	06/02/12 09:55 AM	Low	No
6	501-034 12%	0	0.25130	12.000	12.055	0.46211	0.46211	3094.6	2.7005	0.33161	06/02/12 09:58 AM	Low	No

SC632

Blank

Name	Description	Mass	Method
Blank		1.0000	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:45:34 AM		C03	

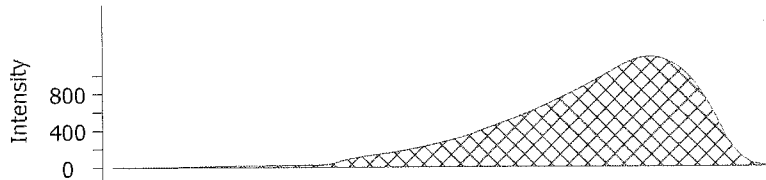
Carbon %
0.000000005442



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0502	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:47:52 AM		C04	

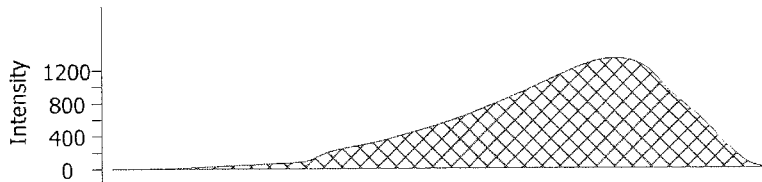
Carbon %
11.92



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.0754	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:50:18 AM		C05	

Carbon %
11.88

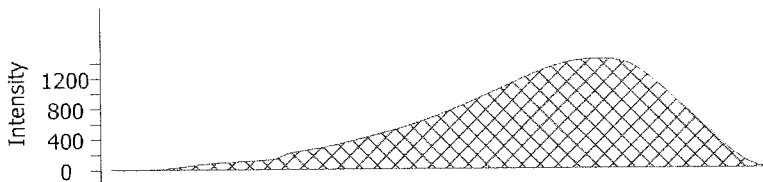


SC632

501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1015	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:52:58 AM		C06	

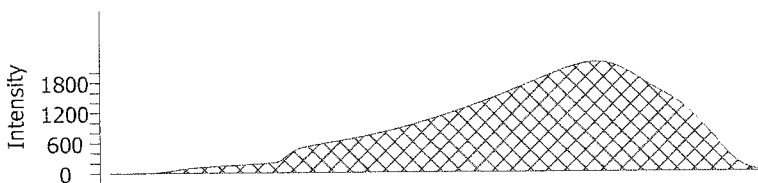
Carbon %
11.96



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.1514	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:55:34 AM		C07	

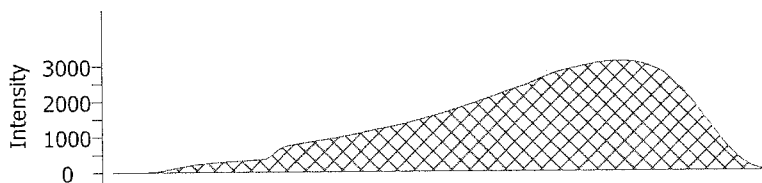
Carbon %
12.02



501-034 12%

Name	Description	Mass	Method
501-034 12%		0.2513	TA SOIL LINNEAR
Analysis Date		Location	
6/2/2012 9:58:17 AM		C08	

Carbon %
12.06

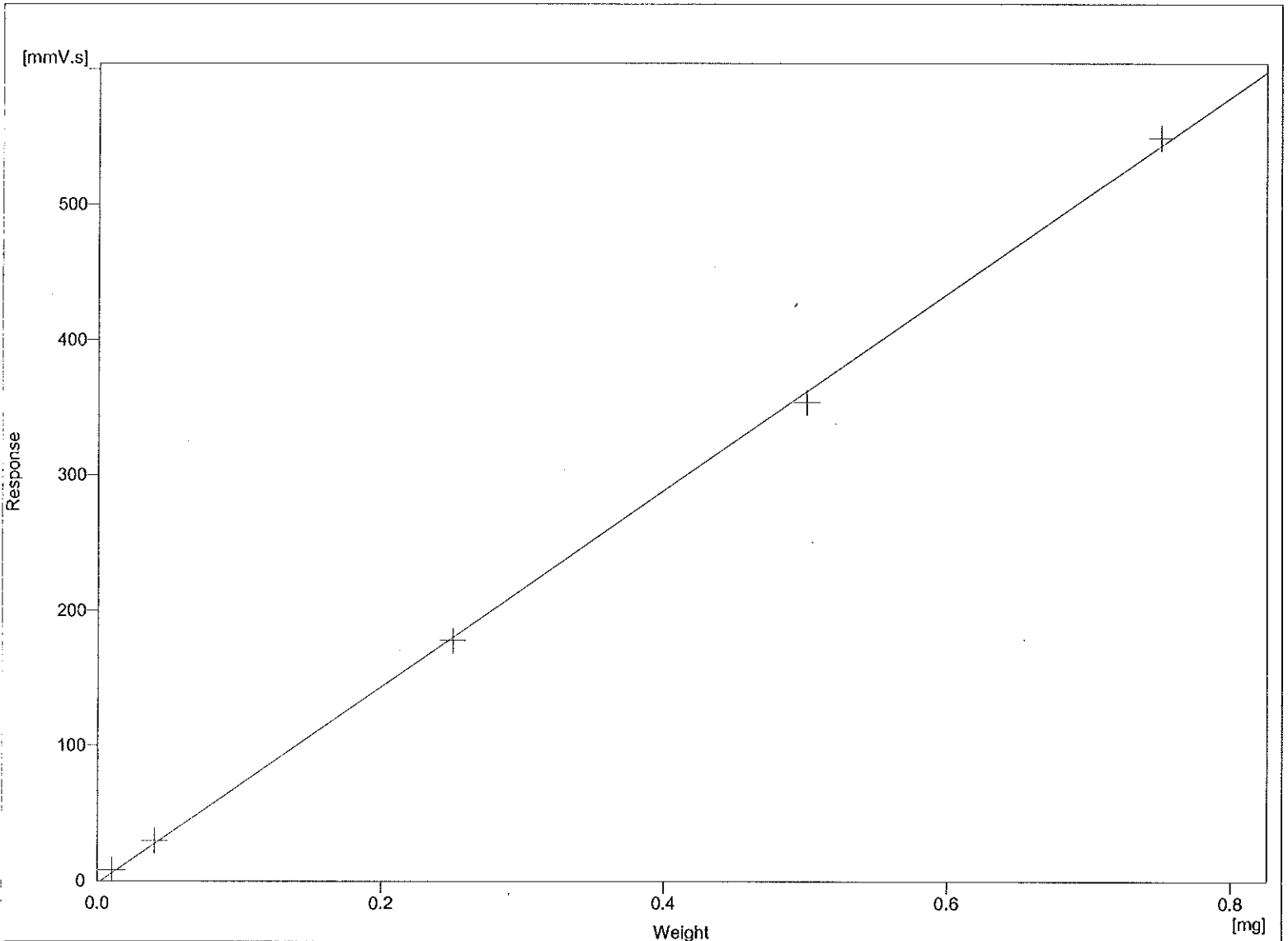


Element	Average	Std. Deviation	RSD	Count
Mass	0.2716	0.4	133.9	6
Carbon %	9.973	4.8861	48.99	6

Lloyd Kahn TOC
Instrument #2
 Calibration
 Carbon - 1.316 min.

Peak Type : Refer
 Left Window : 0.3 min
 Right Window : 0.6 min
 Response Base : Area
 Curve Fit Type : Linear
 Zero Type : Zero not used
 Subst. Equation : $Y = 725.7893 \cdot X - 1.5058$
 Correlation Coef. : 0.999729

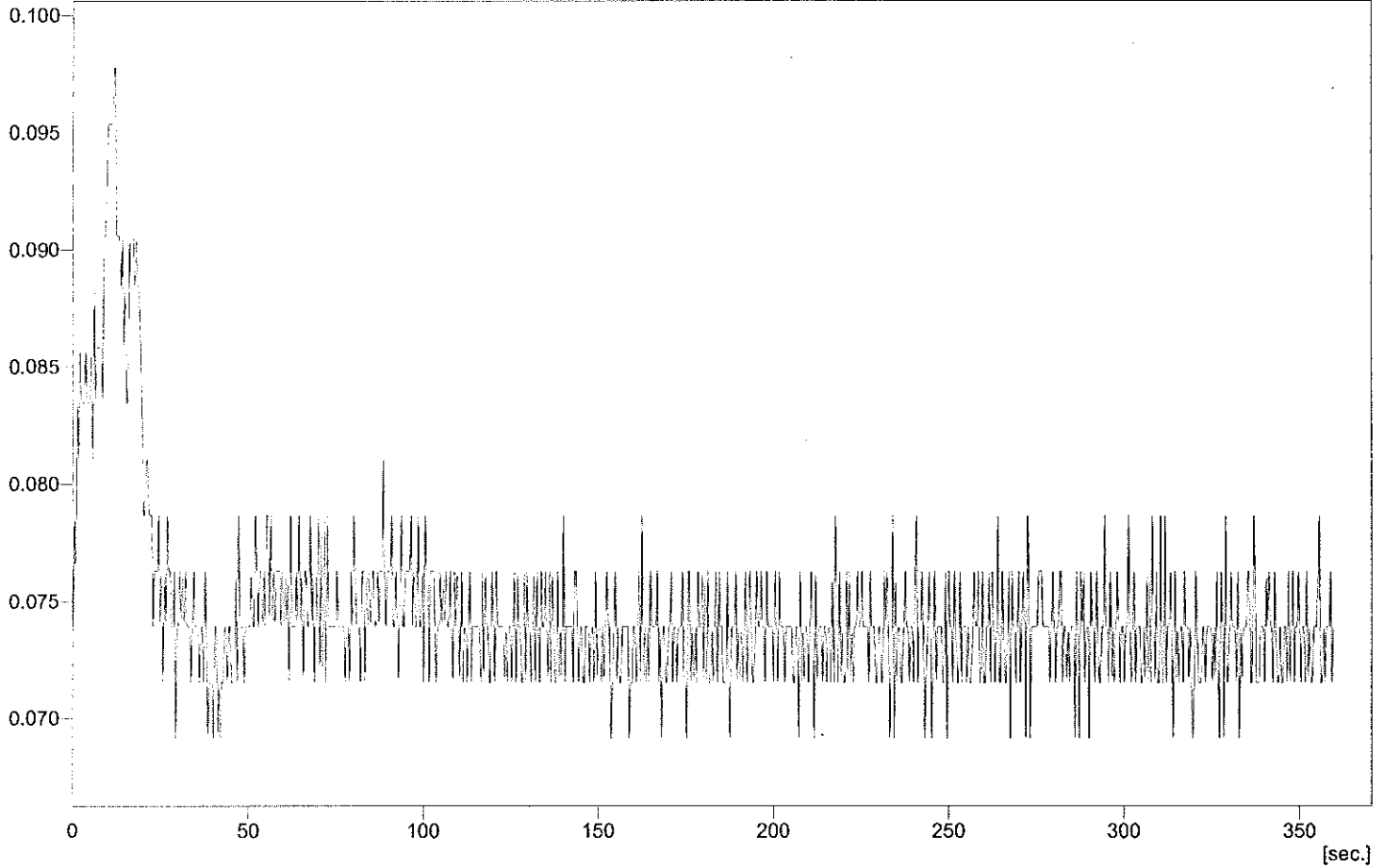
	Response	Weight	Resp. Factor	Used
1	0.000	0.000	0.0000	Yes
2	7.922	0.010	0.0013	Yes
3	29.804	0.040	0.0013	Yes
4	177.739	0.250	0.0014	Yes
5	353.915	0.501	0.0014	Yes
6	549.441	0.751	0.0014	Yes
7	0.000	0.000	0.0000	Yes
8	0.000	0.000	0.0000	Yes
9	0.000	0.000	0.0000	Yes
10	0.000	0.000	0.0000	Yes
11	0.000	0.000	0.0000	Yes
12	0.000	0.000	0.0000	Yes
13	0.000	0.000	0.0000	Yes
14	0.000	0.000	0.0000	Yes
15	0.000	0.000	0.0000	Yes
16	0.000	0.000	0.0000	Yes
17	0.000	0.000	0.0000	Yes
18	0.000	0.000	0.0000	Yes
19	0.000	0.000	0.0000	Yes
20	0.000	1.00e-04	0.0000	Yes



**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:01:09 PM
 Project : WORK2
 Weight : 0 mg
 Sample : STD1
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z001



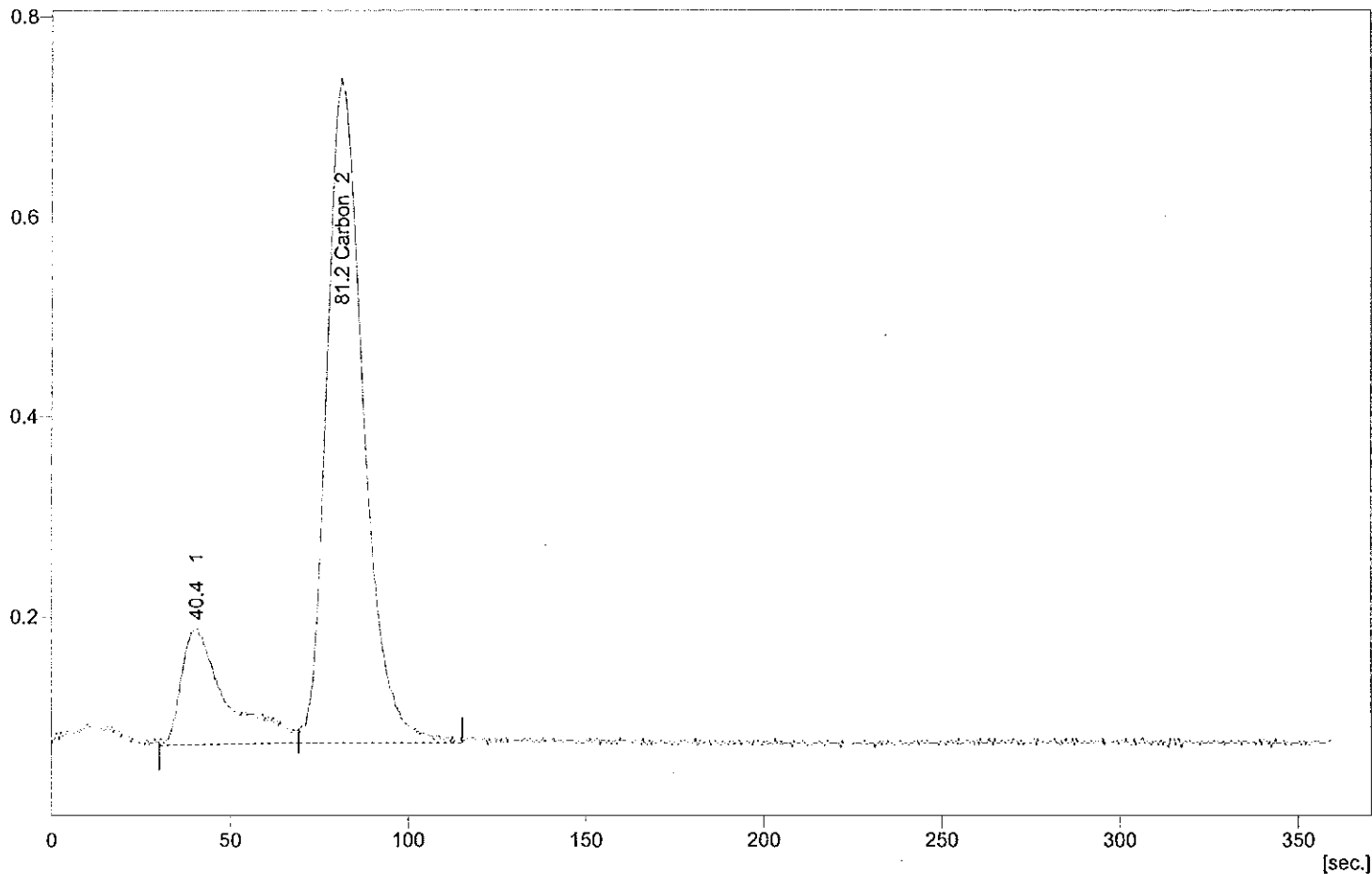
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.333						Refer
	Total	0.000	100.0	0.000	100.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:07:46 PM
 Project : WORK2
 Weight : 0.0213 mg
 Sample : STD2
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z002



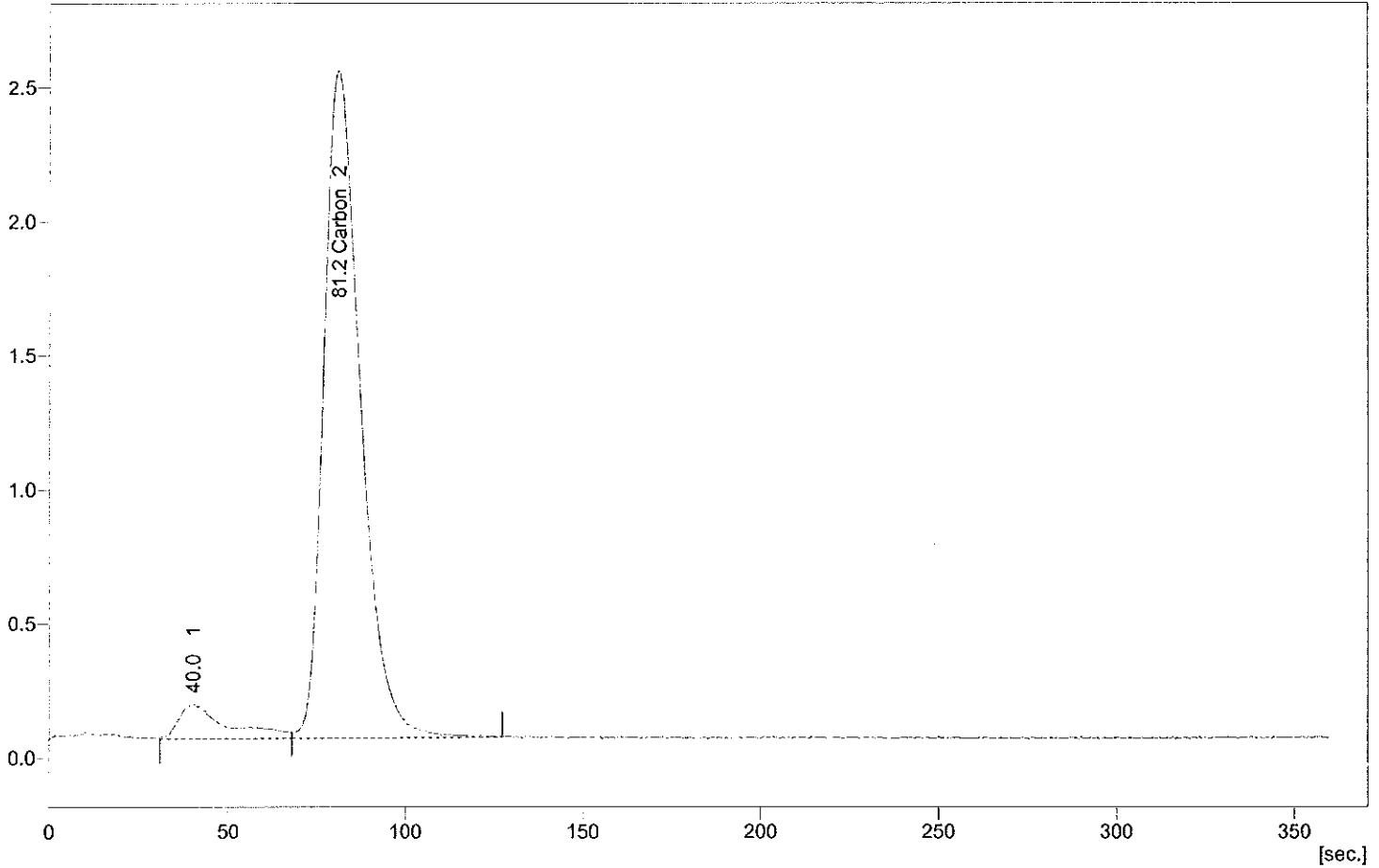
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	7.922	82.2	0.010	47.0500	1.0000	Refer
	Total	9.637	100.0	0.021	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:14:23 PM
 Project : WORK2
 Weight : 0.0851 mg
 Sample : STD3
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z003



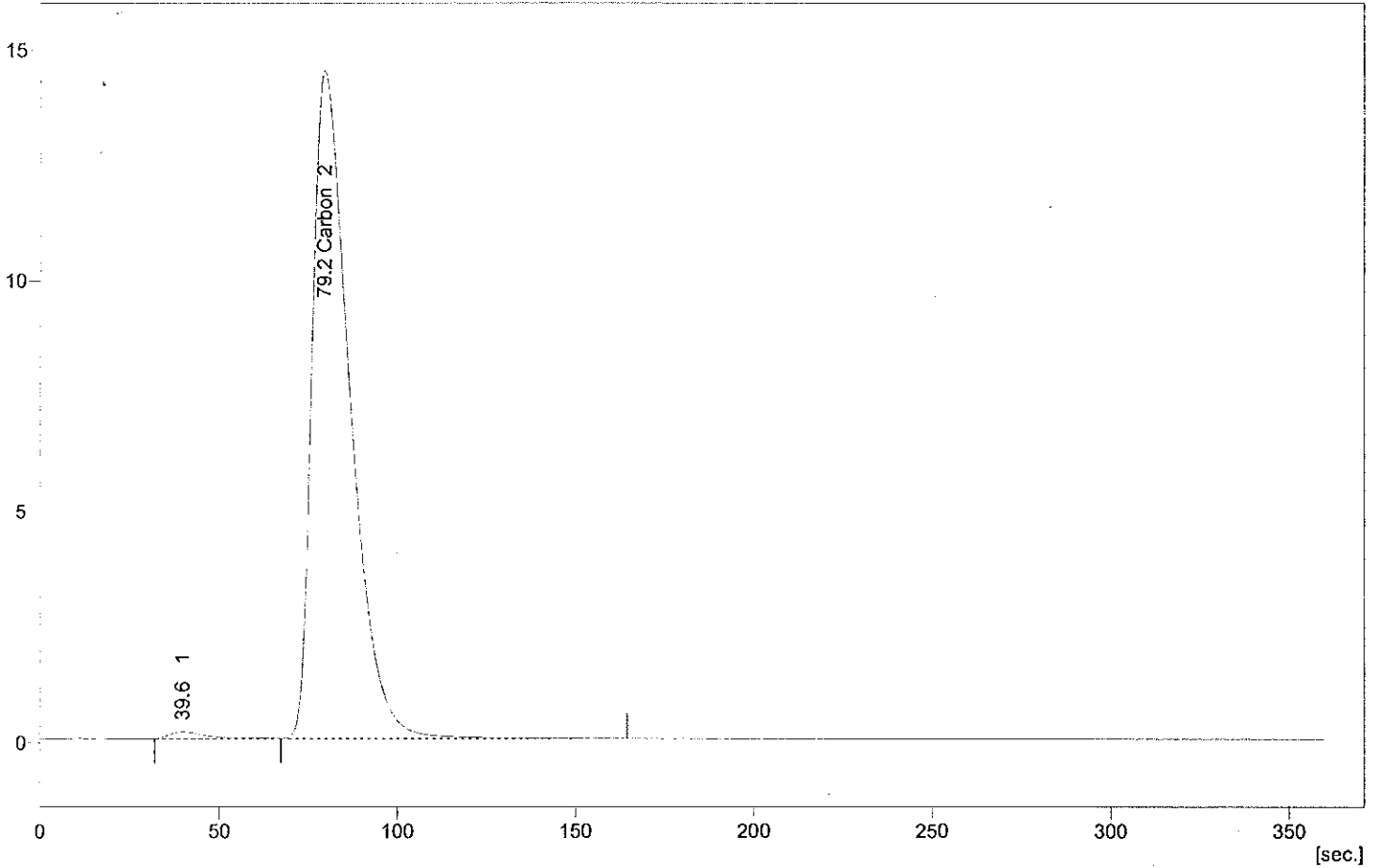
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	29,804	93.7	0.040	47.0500	1.0000	Refer
	Total	31,796	100.0	0.085	47.0500		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:21:01 PM
 Project : WORK2
 Weight : 0.532 mg
 Sample : STD4
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z004



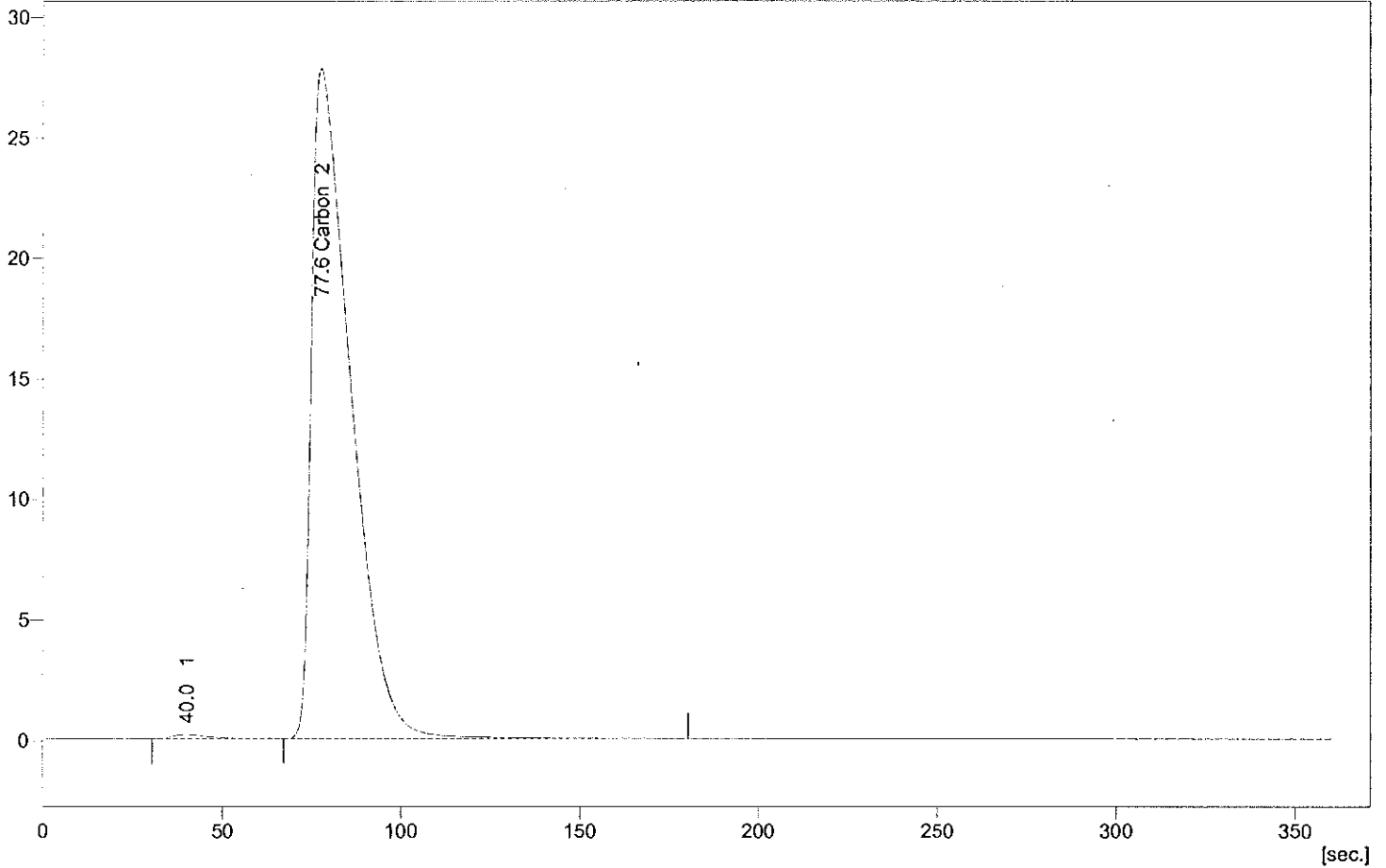
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.320	177.739	98.9	0.250	47.0377	1.0000	Refer
	Total	179.627	100.0	0.532	47.0377		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:27:48 PM
 Project : WORK2
 Weight : 1.064 mg
 Sample : STD5
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z005



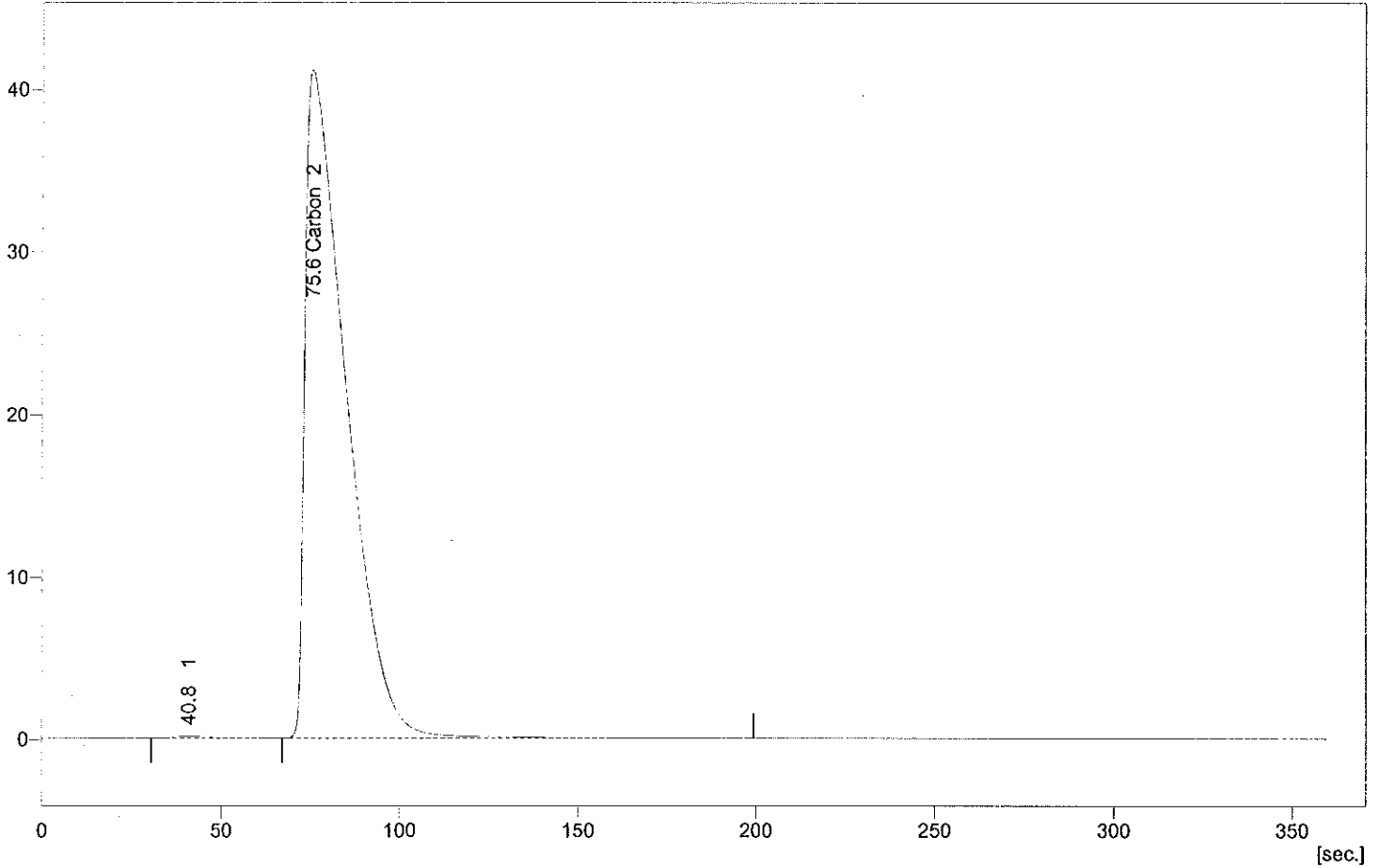
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	353.915	99.3	0.500	47.0395	1.0000	Refer
	Total	356.290	100.0	1.064	47.0395		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/25/2012 1:34:27 PM
 Project : WORK2
 Weight : 1.596 mg
 Sample : STD6
 Calibration : 052512Z

By : None
 Style : Channel2
 Chromatogram : 052512Z006



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.260	549.441	99.6	0.759	47.5627	1.0000	Refer
	Total	551.562	100.0	1.596	47.5627		

**Total Organic Carbon
Soils Benchsheet**

Date: 5/29/12	Start Time: 1155	Instrument ID: C6.2 → 052912A
Analyst: Ani	Stop Time: 1335	Oven ID: NA
TALS Batch: 39415		

STANDARD CURVE		Reagent ID	Concentration mg/L	Amount μL	Curve Results
Lab ID	Type				
CAL Level 1	CAL	NA	0	0	
CAL Level 2	CAL	WELK CAL 001 - 00002	100	100	Date Analyzed: 05/25/12
CAL Level 3	CAL	WELK CAL 001 - 00002	1001	40	correlation coefficient (r) = 0.999729
CAL Level 4	CAL	WELK CAL 001 - 00002	10012	25	Criteria: (r) ≥ 0.995
CAL Level 5	CAL	"	10012	50	TALS Batch:
CAL Level 6	CAL	"	10012	75	

Method Version: (Circle)

Lloyd Khan LK Modified **Black Carbon** Particulate Organic Carbon (POC) Marine Sediments(301H)

SAMPLE PREPARATION LOG

Drop #	Lab ID	Type	REP	Sample WT mg	Lab ID	Type	REP	Sample WT mg	Drop #
1	Acetanilide	NA	NA	0.553					29
2	Blank			10					30
3	MB			10					31
4	MB			10					32
5	LCS			9.247					33
6	LCS			9.275					34
7	580-32844-A-5			9.894					35
8	"			10.050					36
9	580-32844-A-10			9.965					37
10	"			9.753					38
11	580-32844-A-15			9.901					39
12	"			10.296					40
13	580-32847-A-5			10.133					41
14	"			10.252					42
15	Acetanilide			0.513					43
16	Blank			10					44
17									45
18									46
19									47
20									48
21									49
22									50
23									51
24									52
25									53
26									54
27									55
28									56

STANDARD & REAGENT TRACEABILITY:

Potassium Hydrogen Phthalate (ICAL) Container ID: WELK CAL 001 - 00002 LCS Container ID: WELK BC LCS 00006

Acetanilide (CCV) Container ID: WELK CCV 001 - 00006 1:19 Phosphoric Acid Container ID: WELK CPA 119 00006

Matrix Spike Container ID: NA

Total Organic Carbon by Lloyd Kahn

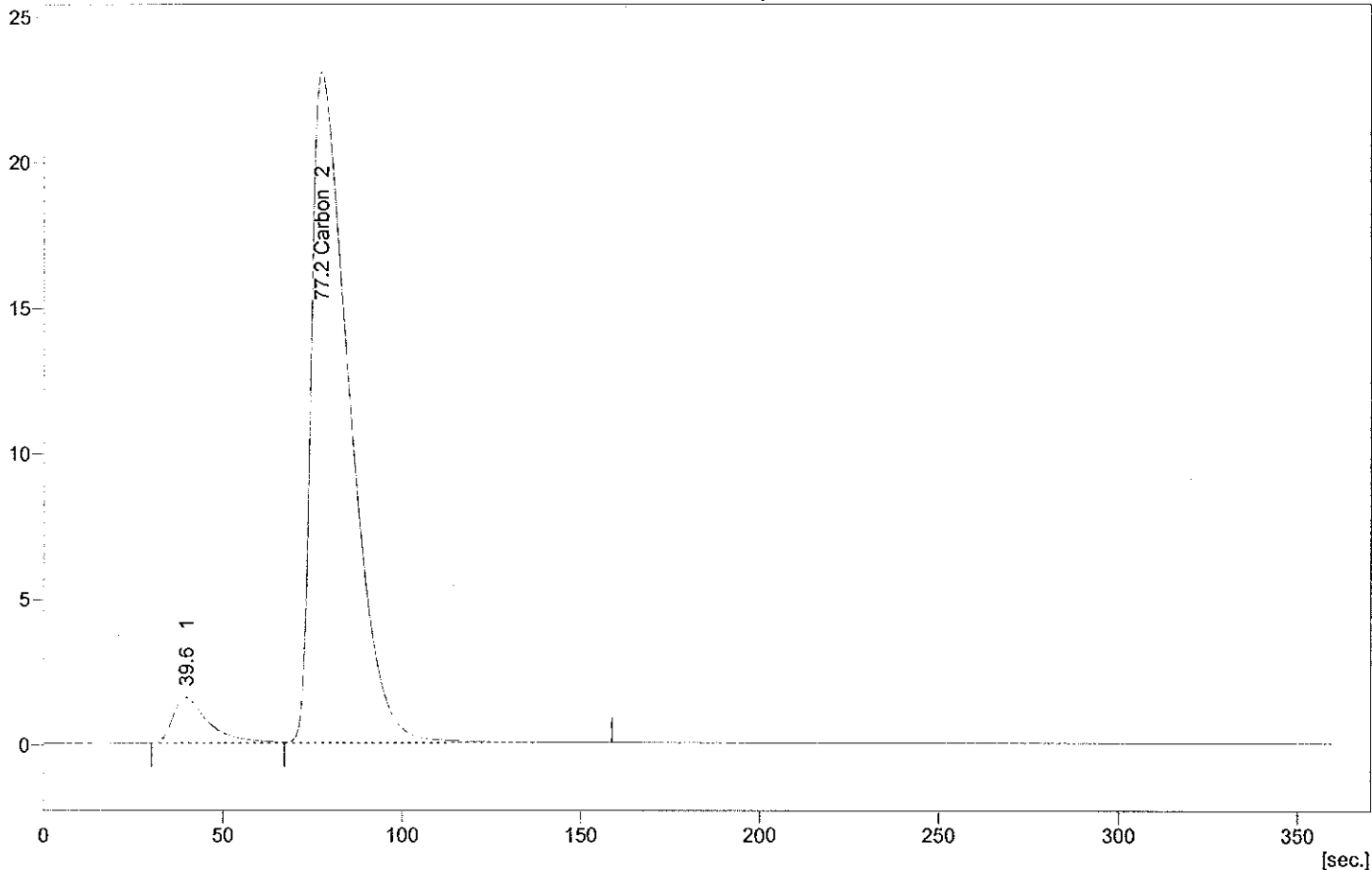
File: 052912A Channel: 2
 Default Mass: 10.0000 mg
 Acetanilide TV, %C: 71.09 LCS TV, %C: 0.99

Weight	Sample ID	% Carbon	mg/Kg Carbon	Average (mg/Kg)	QC recovery	Sample RPD	RA	Adjusted RL (mg/Kg)
0.553	ACETANILIDE	70.6486	706486.00		99%			
10	BLANK	0	0.00					
10	MB	0.0391	391.00					
10	MB	0.0357	357.00	374.00		9%		U1000
9.247	LCS	1.266	12660.00					
9.275	LCS	1.3452	13452.00	13056.00	132%	6%		1081
9.894	580-32844-A-5	0.1435	1435.00					
10.05	580-32844-A-5	0.1215	1215.00	1325.00		17%		1011
9.965	580-32844-A-10	0.144	1440.00					
9.753	580-32844-A-10	0.1443	1443.00	1441.50		0%		1025
9.901	580-32844-A-15	0.1133	1133.00					
10.296	580-32844-A-15	0.1222	1222.00	1177.50		8%		1010
10.133	580-32847-A-5	0.1517	1517.00					
10.252	580-32847-A-5	0.1449	1449.00	1483.00		5%		987
0.513	ACETANILIDE	75.5699	755699.00		106%			
10	BLANK	0	0.00					

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 11:55:49 AM
 Project : WORK2
 Weight : 0.553 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A001



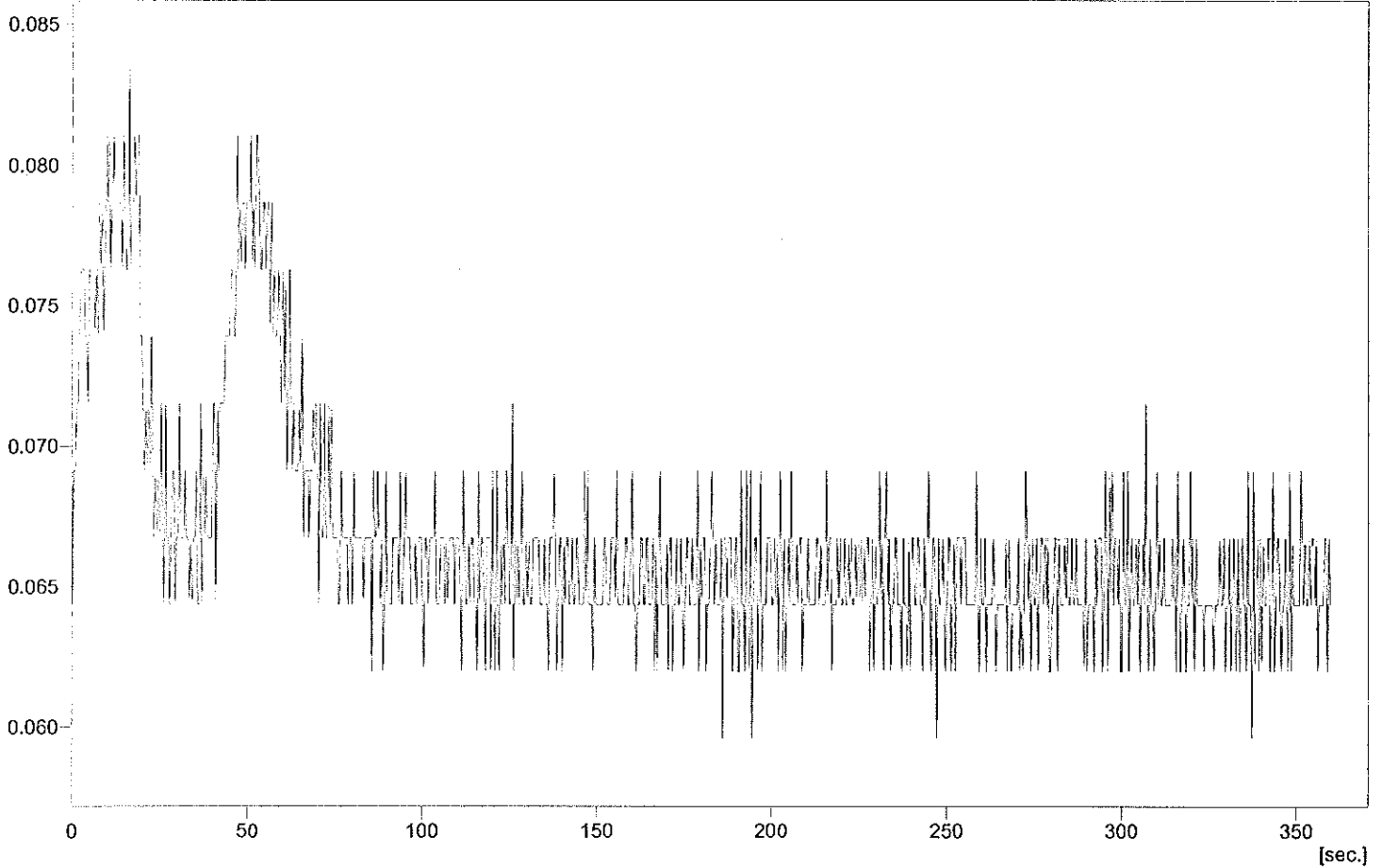
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.287	282.050	94.0	0.391	70.6486	1.0000	Refer
	Total	299.988	100.0	0.553	70.6486		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:02:27 PM
 Project : WORK2
 Weight : 10 mg
 Sample : BLANK
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A002



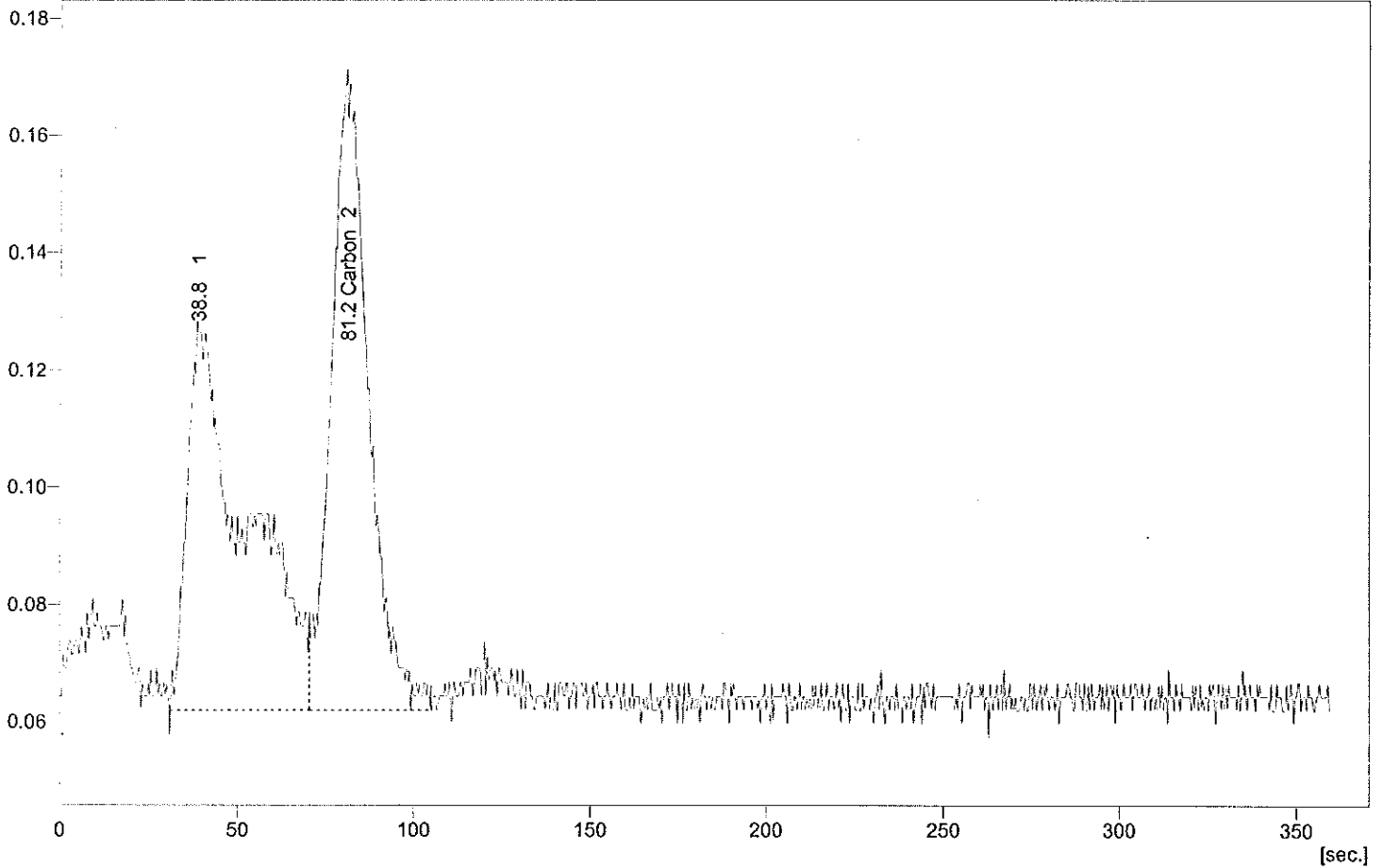
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:09:02 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A003



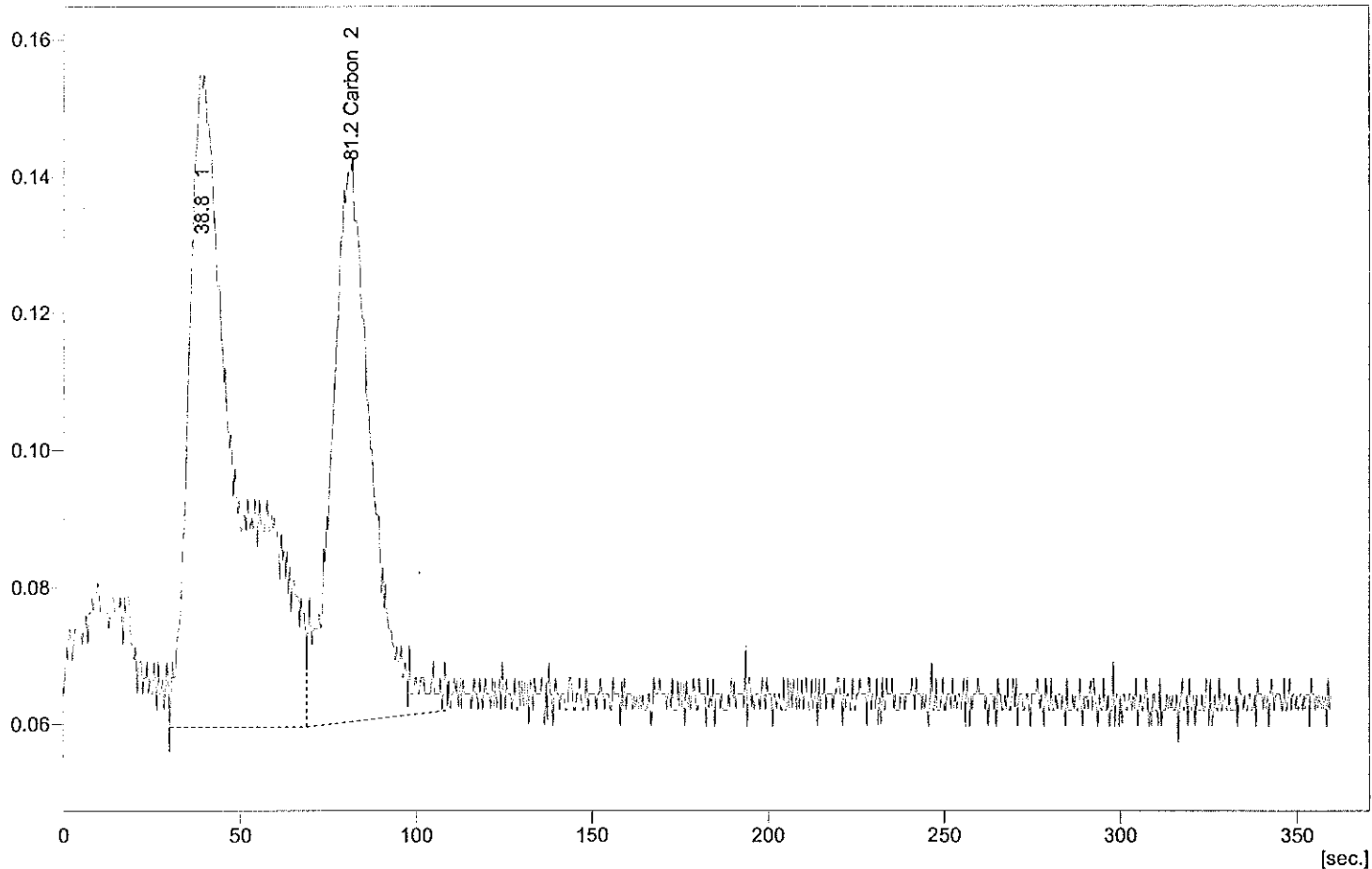
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.353	1.336	51.2	0.004	0.0391	1.0000	Refer
	Total	2.606	100.0	10.000	0.0391		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:15:35 PM
 Project : WORK2
 Weight : 10 mg
 Sample : MB
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A004



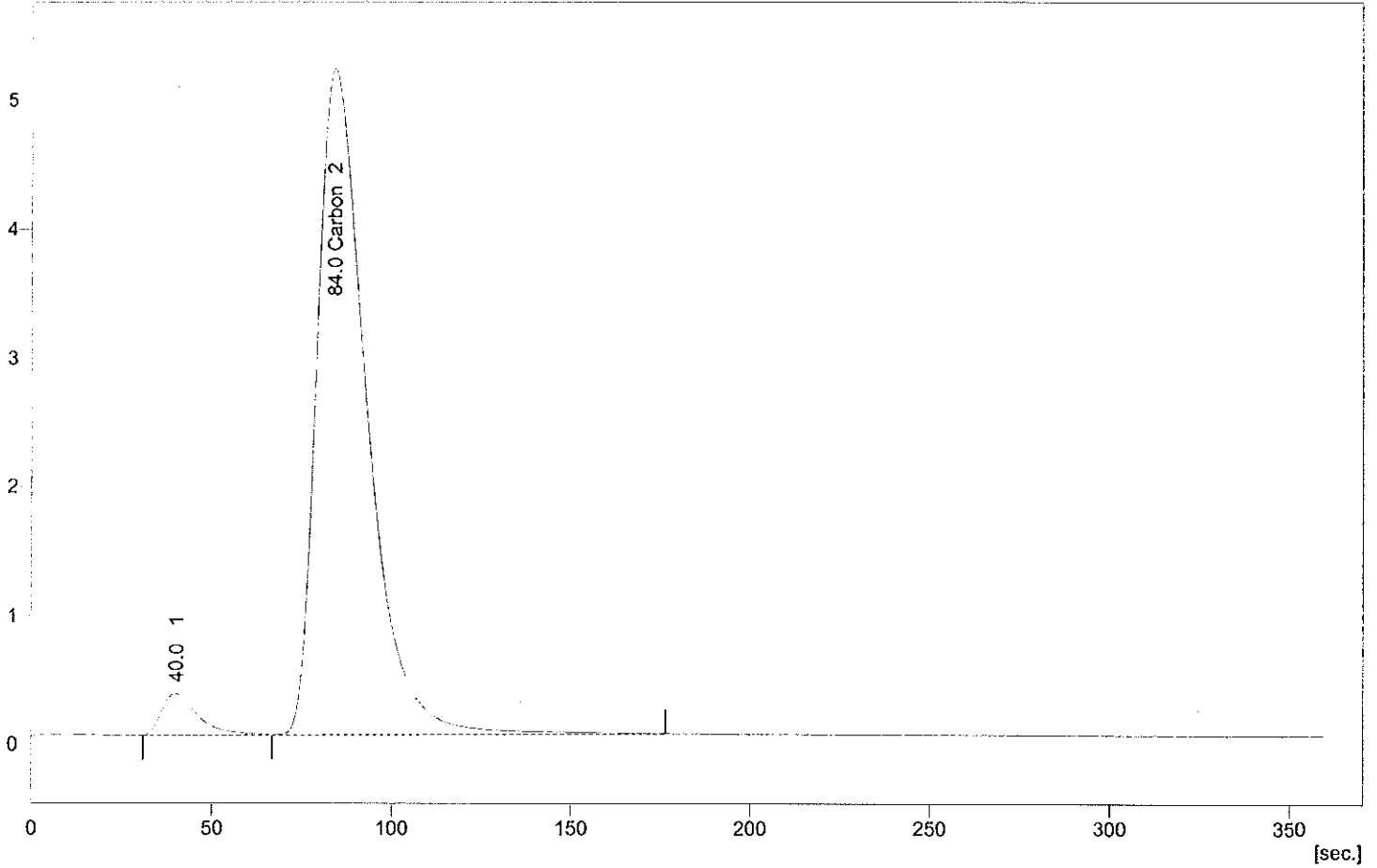
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1,353	1,082	41,8	0,004	0,0357	1,0000	Refer
	Total	2,591	100,0	10,000	0,0357		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:22:09 PM
 Project : WORK2
 Weight : 9.247 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A005



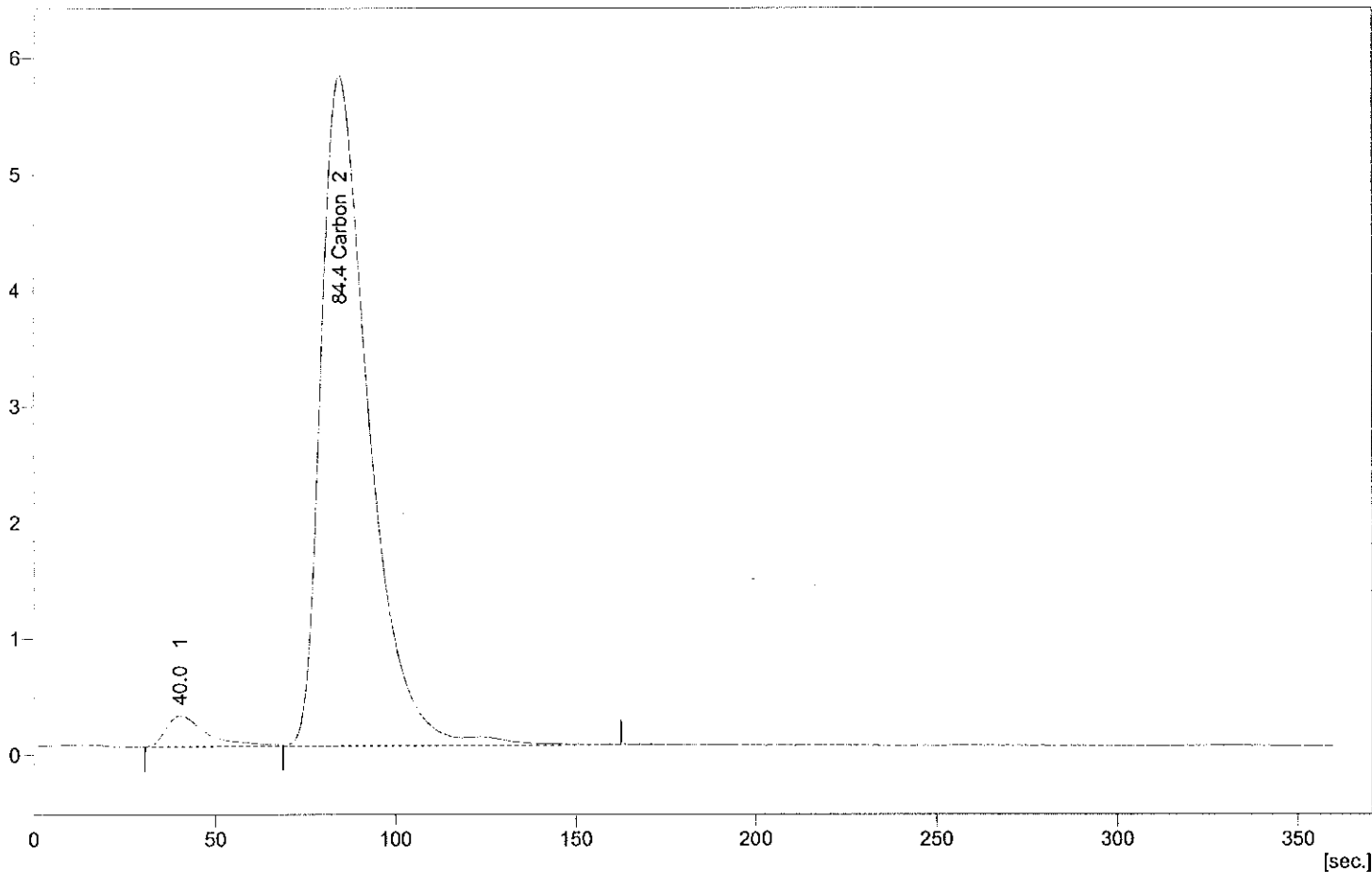
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	83.458	95.6	0.117	1.2660	1.0000	Refer
	Total	87.274	100.0	9.247	1.2660		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:28:43 PM
 Project : WORK2
 Weight : 9.275 mg
 Sample : LCS
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A006



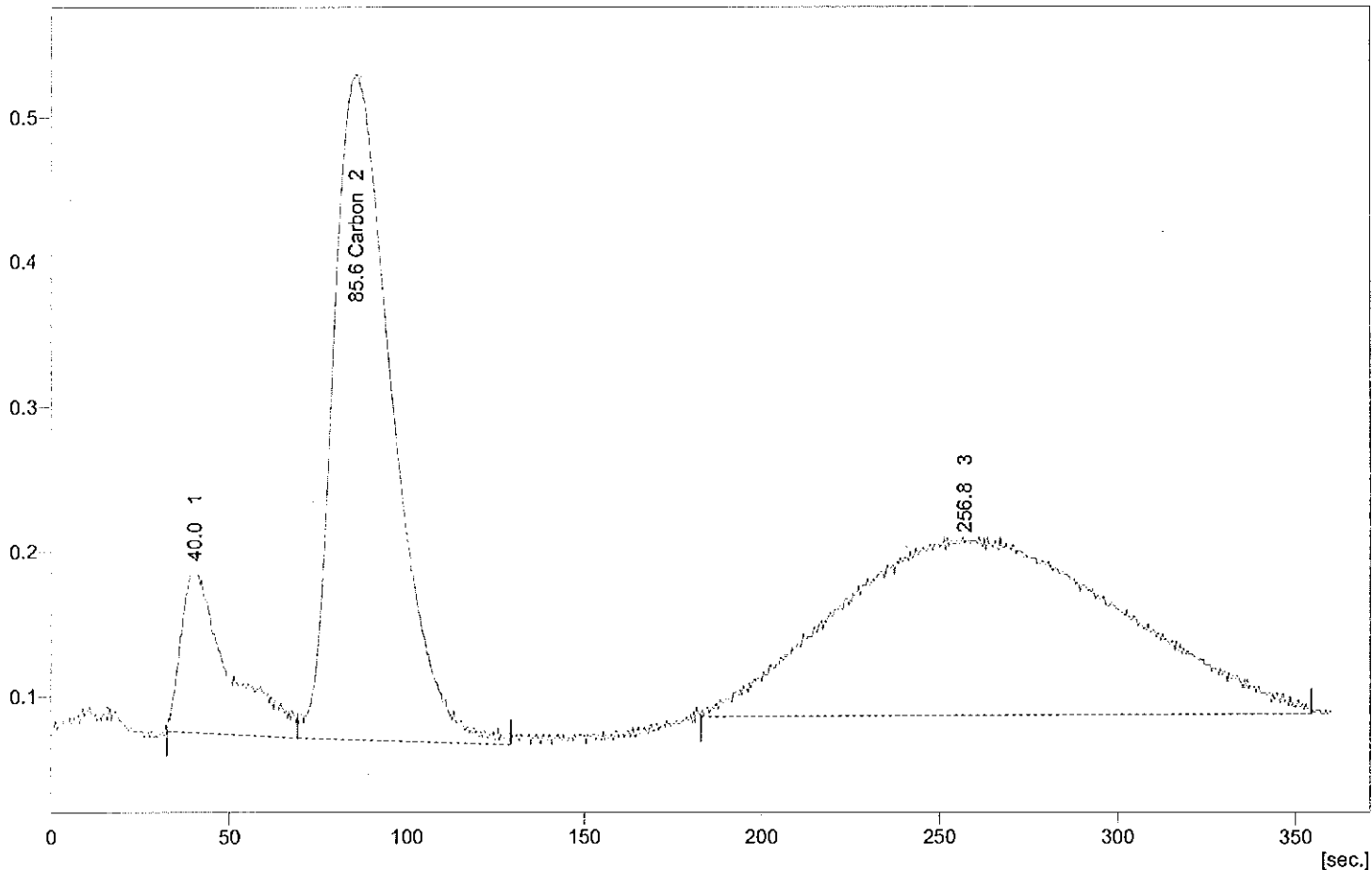
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.407	89.052	96.3	0.125	1.3452	1.0000	Refer
	Total	92.483	100.0	9.275	1.3452		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:35:17 PM
 Project : WORK2
 Weight : 9.894 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A007



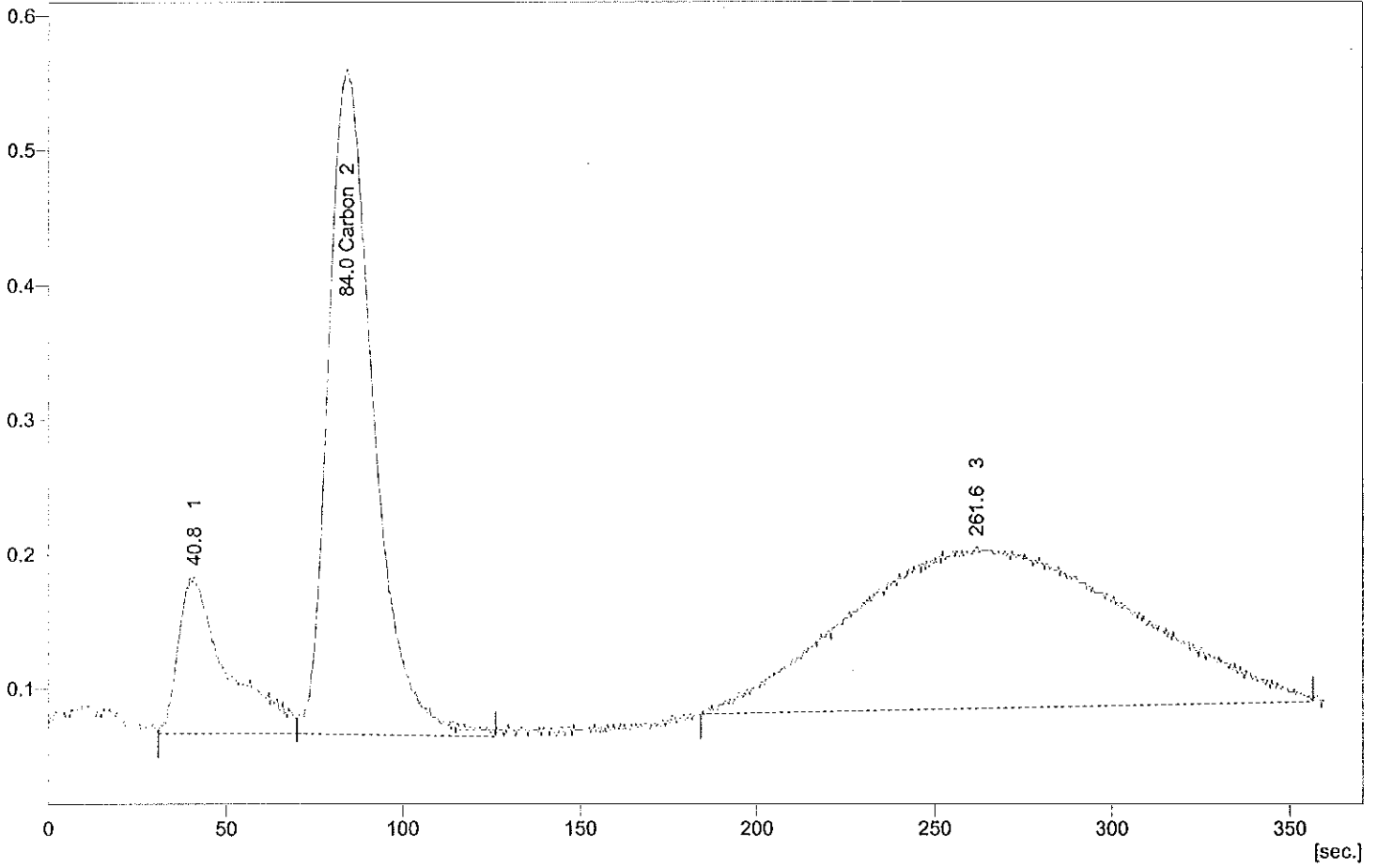
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.427	8.799	40.3	0.014	0.1435	1.0000	Refer
	Total	21.834	100.0	9.894	0.1435		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:41:49 PM
 Project : WORK2
 Weight : 10.05 mg
 Sample : 580-32844-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A008



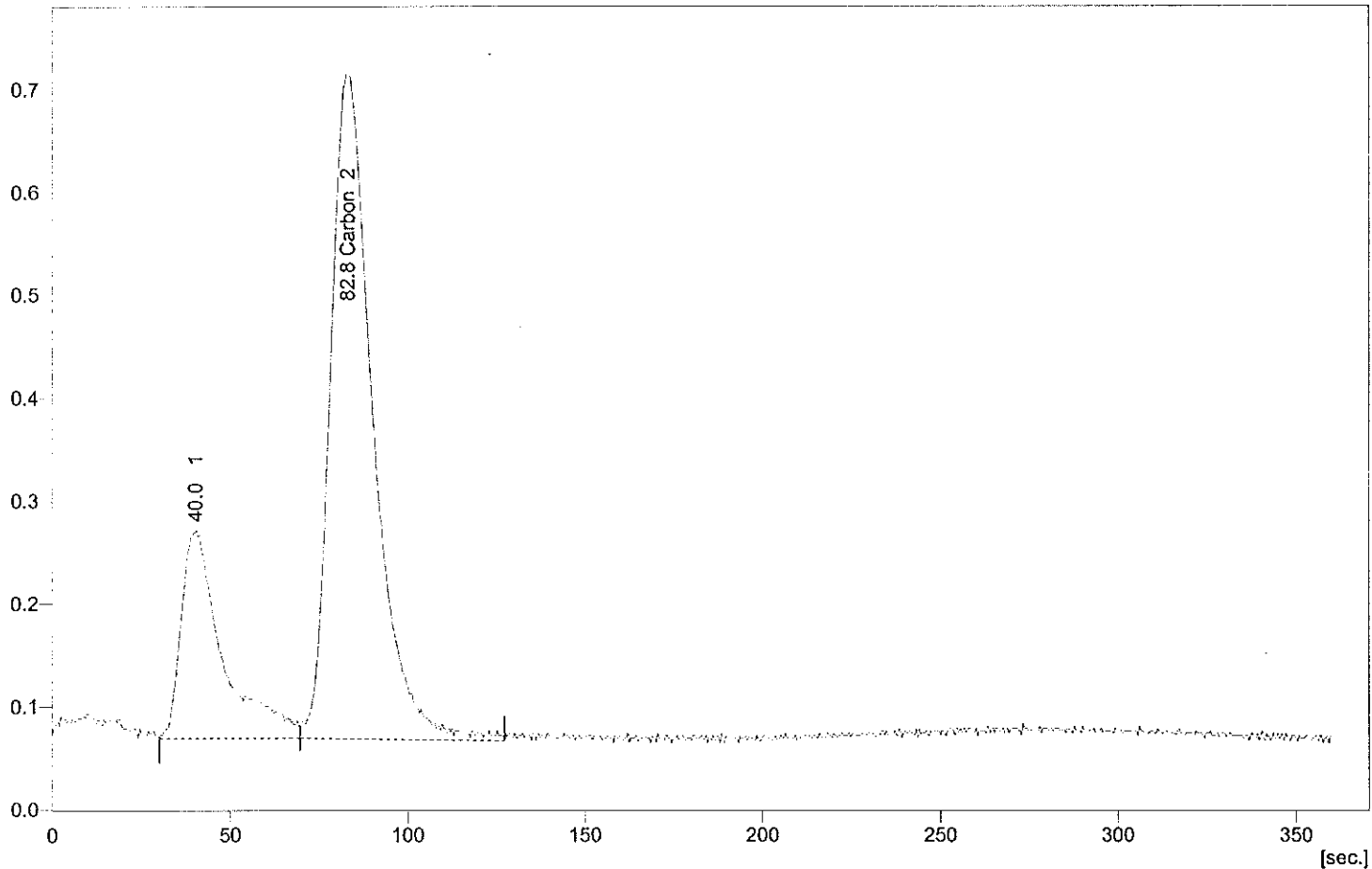
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.400	7.354	36.7	0.012	0.1215	1.0000	Refer
	Total	20.030	100.0	10.050	0.1215		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:48:21 PM
 Project : WORK2
 Weight : 9.965 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A009



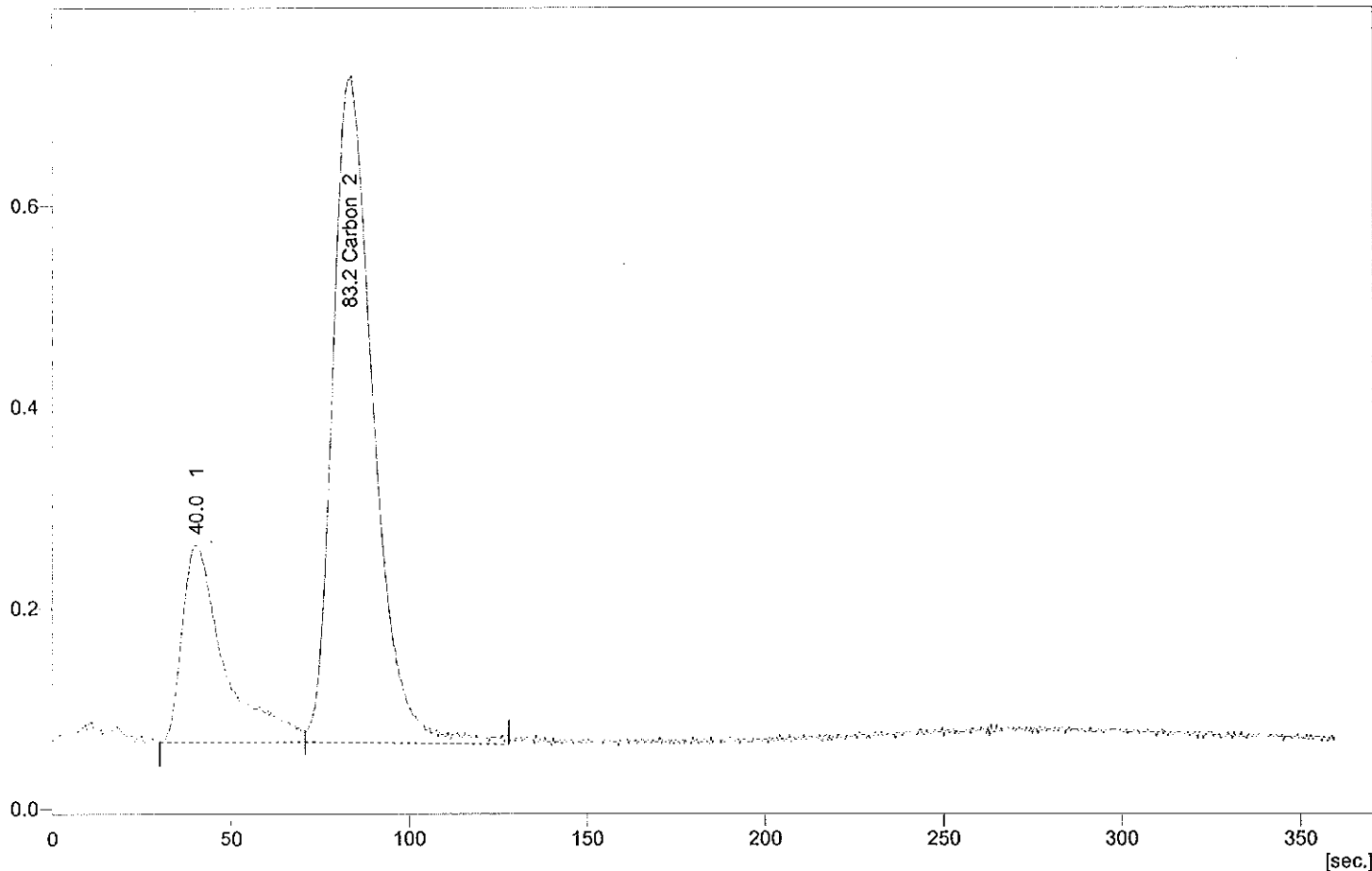
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.380	8.910	76.5	0.014	0.1440	1.0000	Refer
	Total	11.654	100.0	9.965	0.1440		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 12:54:59 PM
 Project : WORK2
 Weight : 9.753 mg
 Sample : 580-32844-A-10
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A010



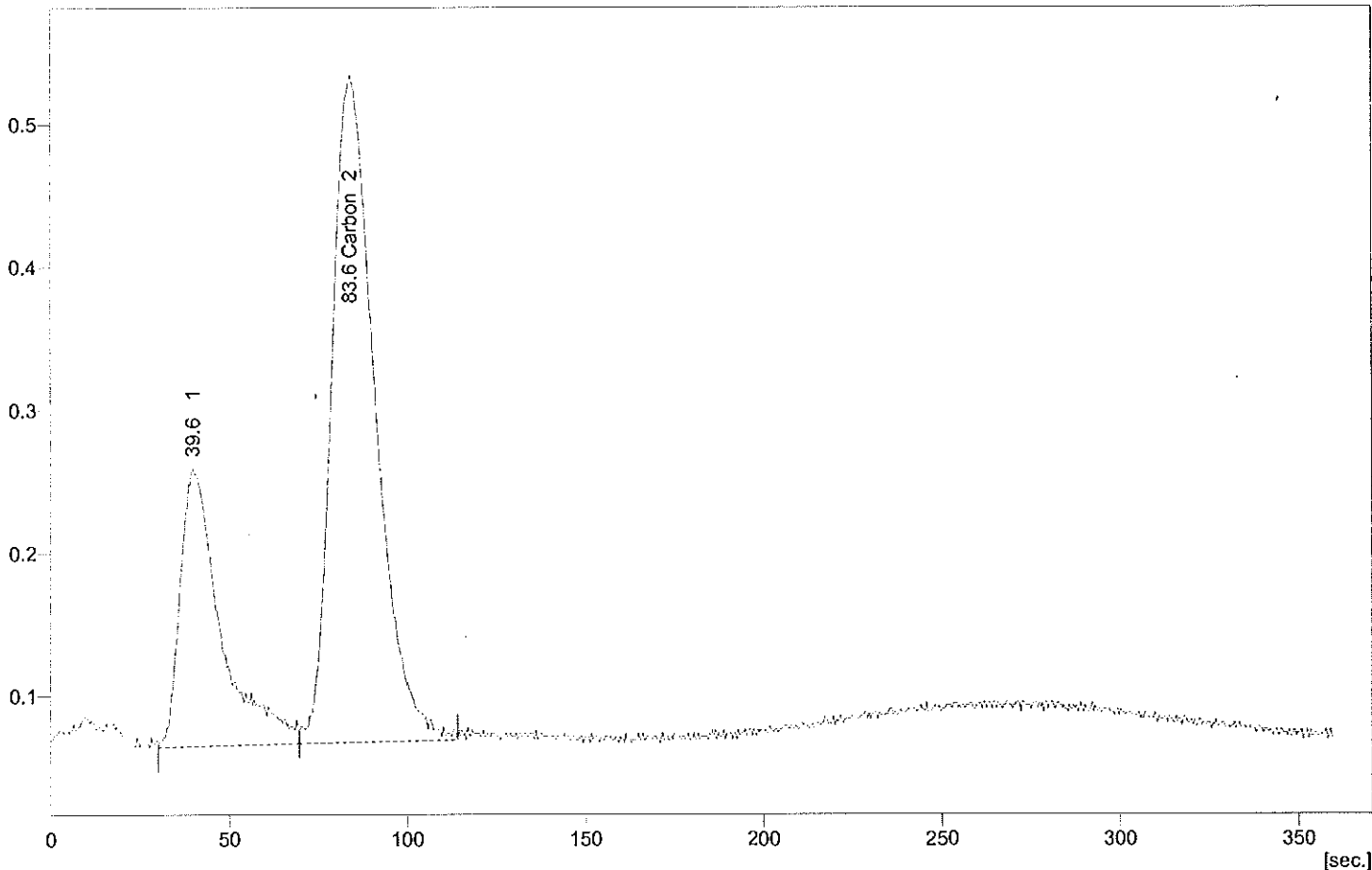
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	8.706	76.5	0.014	0.1443	1.0000	Refer
	Total	11.376	100.0	9.753	0.1443		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:01:39 PM
 Project : WORK2
 Weight : 9.901 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A011



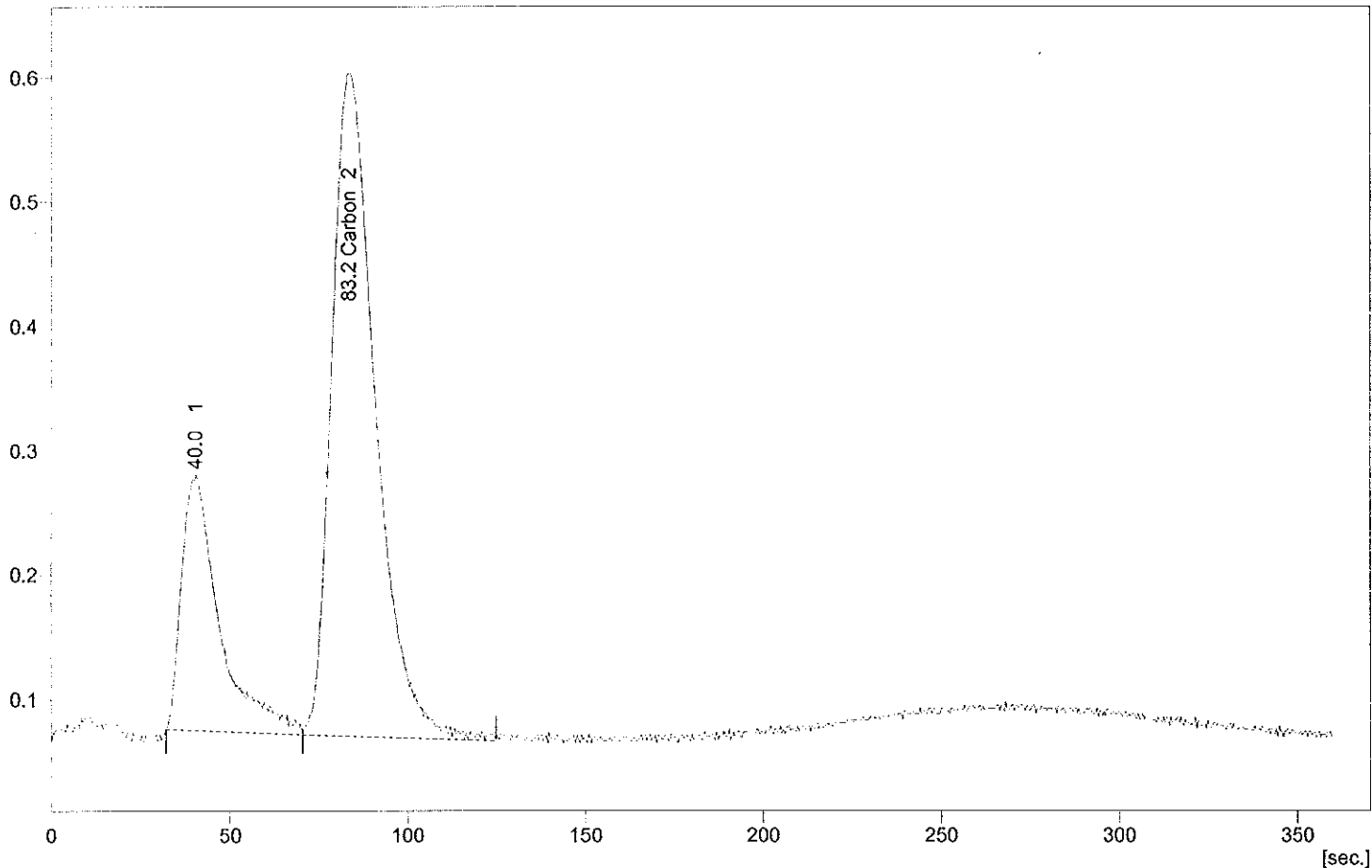
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	6.634	72.0	0.011	0.1133	1.0000	Refer
	Total	9.214	100.0	9.901	0.1133		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:08:18 PM
 Project : WORK2
 Weight : 10.296 mg
 Sample : 580-32844-A-15
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A012



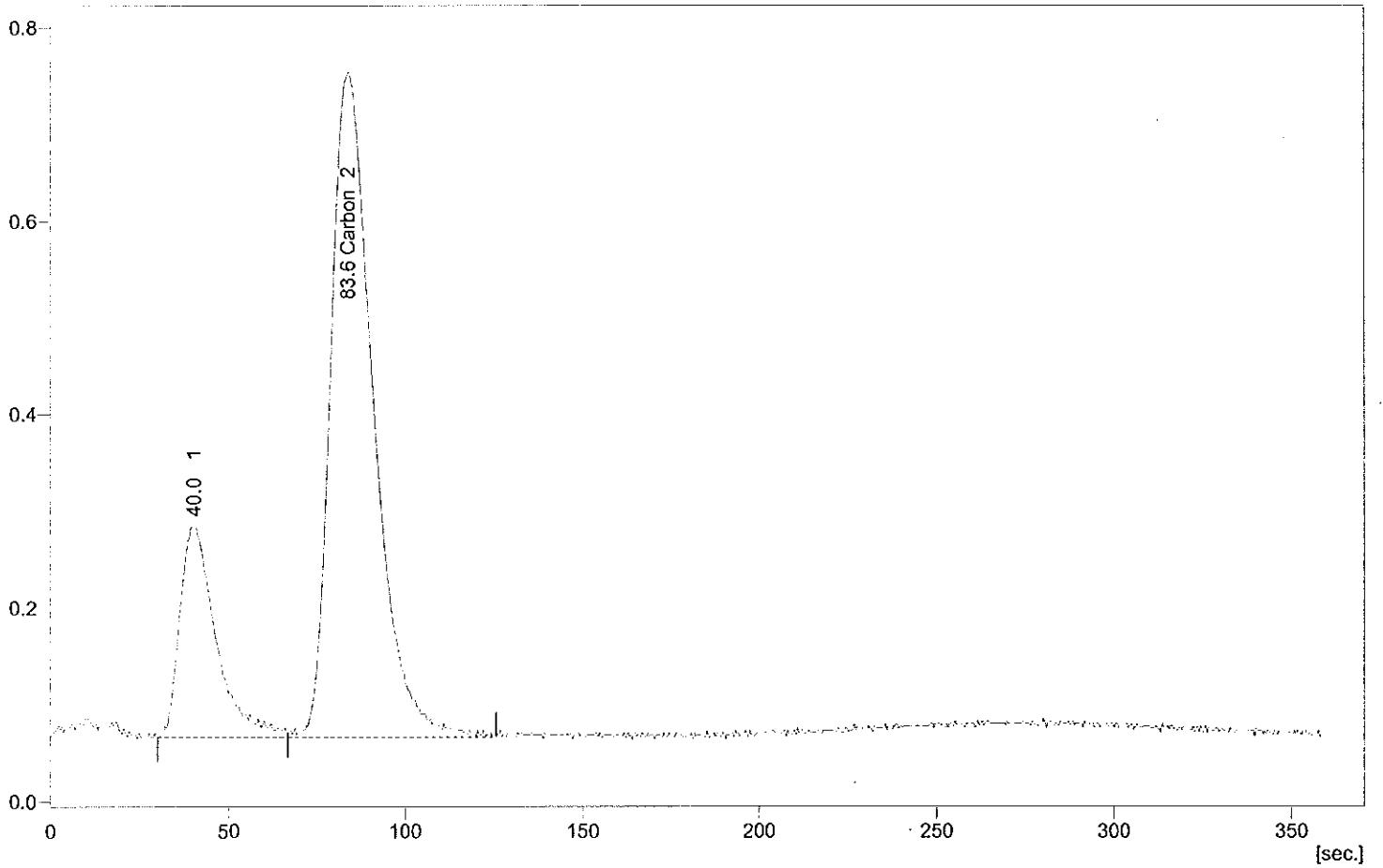
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.387	7.628	75.0	0.013	0.1222	1.0000	Refer
	Total	10.173	100.0	10.296	0.1222		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:14:59 PM
 Project : WORK2
 Weight : 10.133 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A013



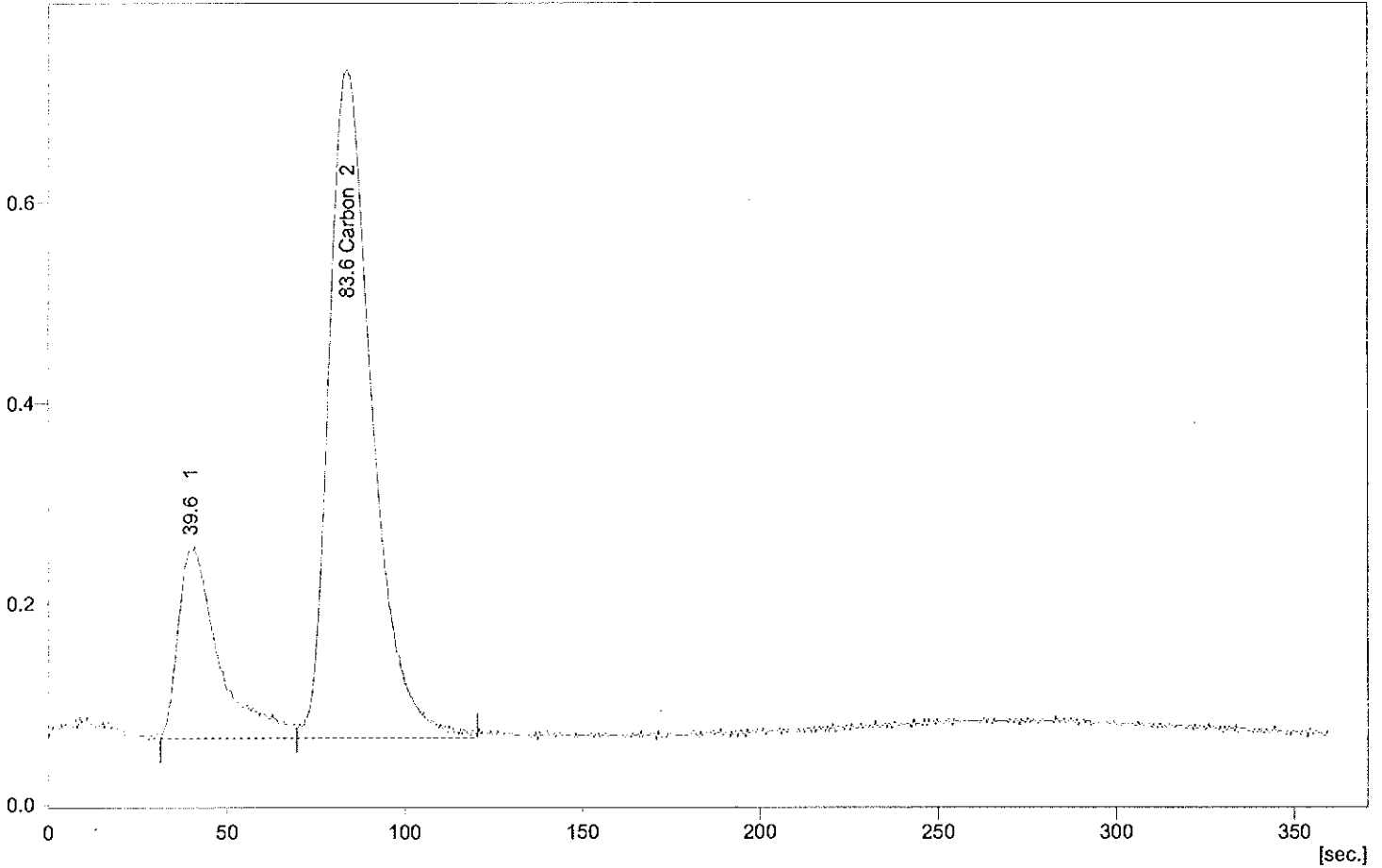
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.651	78.7	0.015	0.1517	1.0000	Refer
	Total	12.269	100.0	10.133	0.1517		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:21:41 PM
 Project : WORK2
 Weight : 10.252 mg
 Sample : 580-32847-A-5
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A014



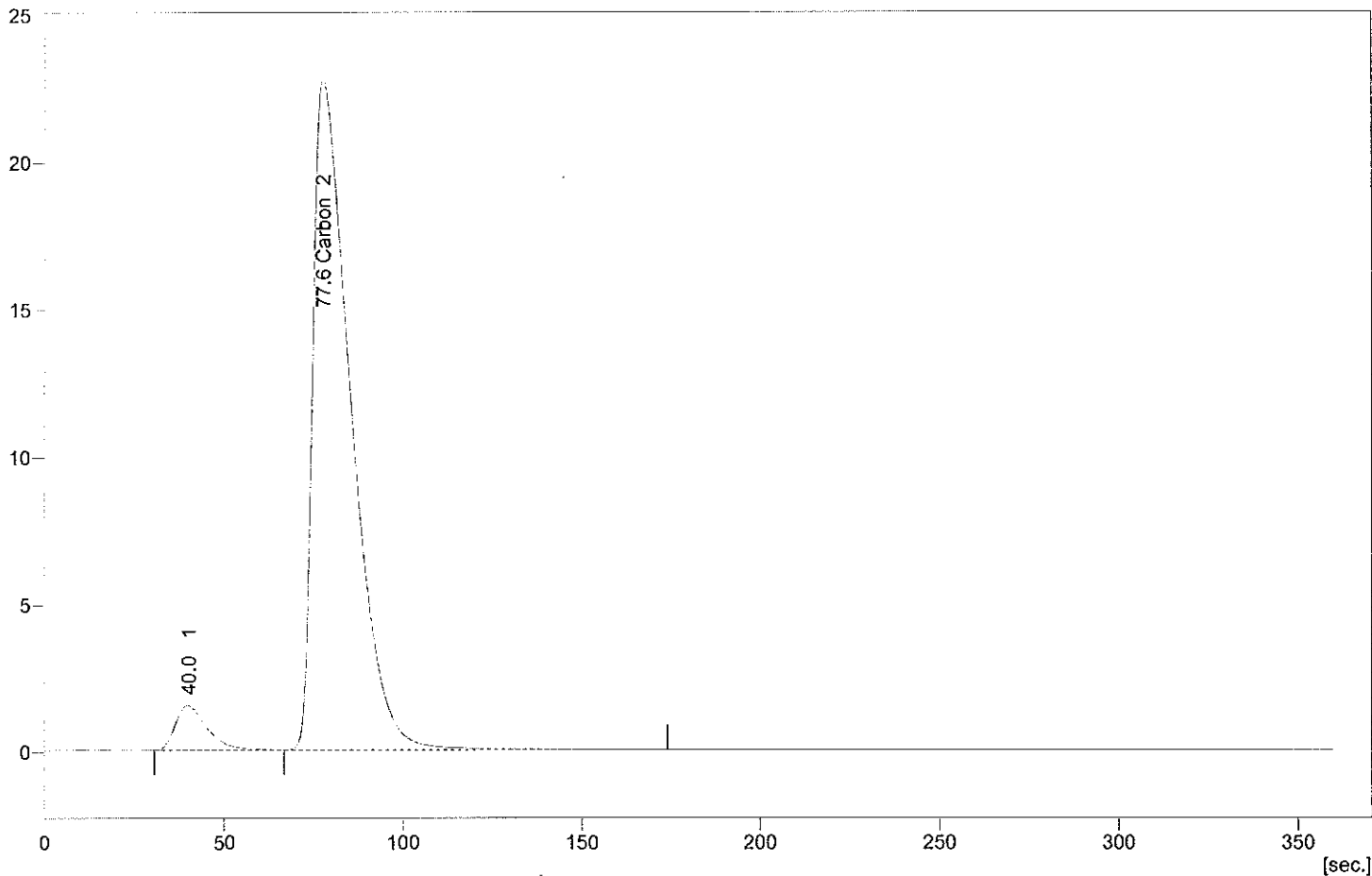
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.393	9.273	78.7	0.015	0.1449	1.0000	Refer
	Total	11.775	100.0	10.252	0.1449		

**Lloyd Kahn TOC
Instrument #2**

Created : 5/29/2012 1:28:23 PM
 Project : WORK2
 Weight : 0.513 mg
 Sample : ACETANILIDE
 Calibration : 052912A

By : None
 Style : Channel2
 Chromatogram : C:\EAS32\WORK2\DATA\052912A015



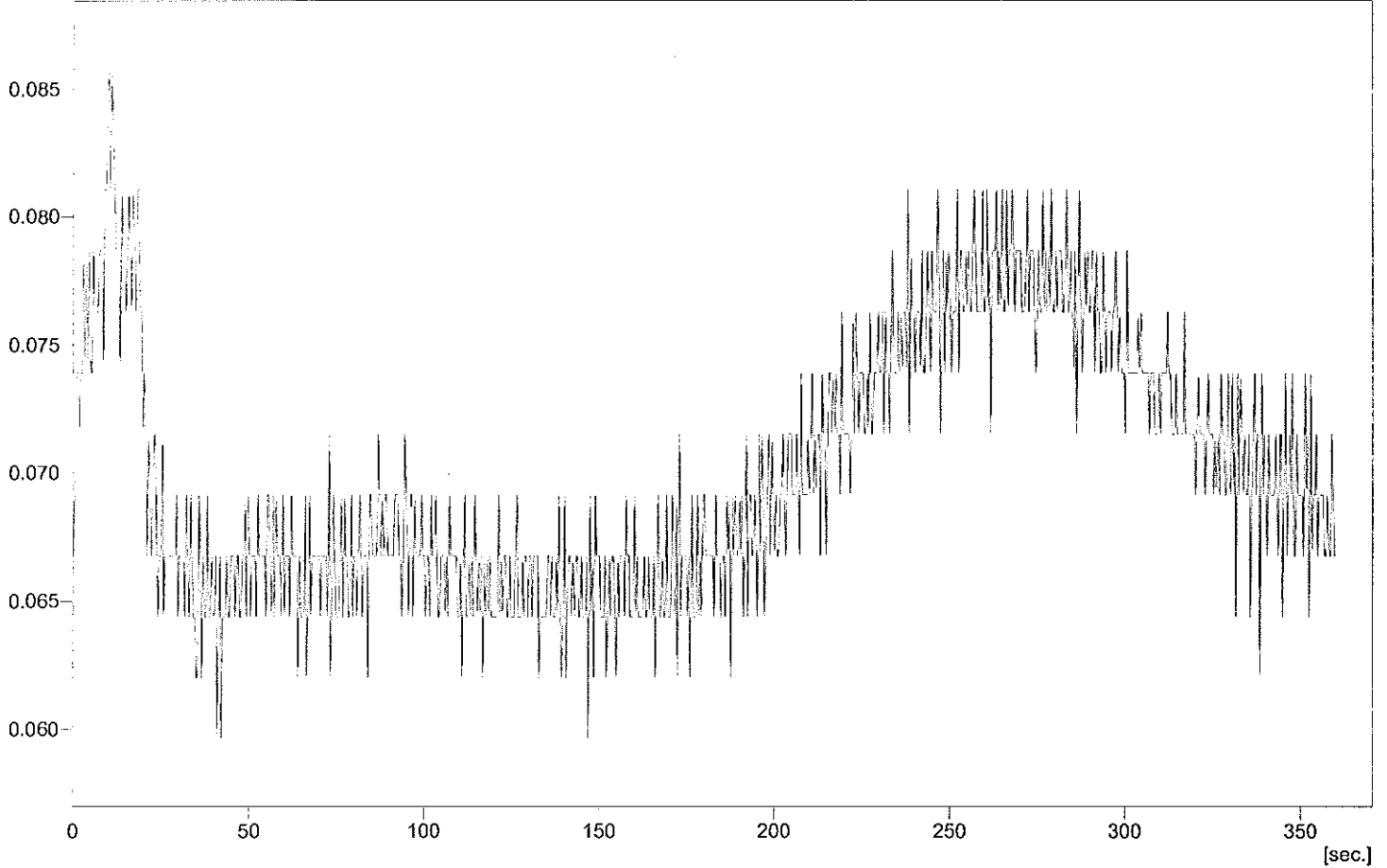
Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.293	279.863	94.7	0.388	75.5699	1.0000	Refer
	Total	295.614	100.0	0.513	75.5699		

Lloyd Kahn TOC
Instrument #2

Created : 5/29/2012 1:35:07 PM
Project : WORK2
Weight : 10 mg
Sample : BLANK
Calibration : 052912A

By : None
Style : Channel2
Chromatogram : C:\EAS32\WORK2\DATA\052912A016



Result Table - Calculation Method ESTD

Compound	Reten. Time	Area	Area	Weight	Weight	Carbon	Peak
Carbon	1.316						Refer
	Total	0.000	100.0	10.000	0.0000		

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Batch Number: 113152 Batch Start Date: 06/11/12 18:05 Batch Analyst: Mattison, Adam

Batch Method: 9060_PSEP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CaCO3 00002	TOCS_LCS 00002				
ICV 580-113152/1		9060_PSEP		0.2082 g					
LCS 580-113152/4		9060_PSEP			191.5 mg				
CCV 580-113152/12		9060_PSEP		0.1171 g					
CCV 580-113152/24		9060_PSEP		0.1066 g					

Batch Notes	
Lot # of hydrochloric acid	905292

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Seattle Job No.: 580-32847-1

SDG No.: _____

Batch Number: 111866 Batch Start Date: 05/22/12 15:48 Batch Analyst: Zboralski, Edward

Batch Method: D 2216 Batch End Date: 05/23/12 12:46

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
580-32847-D-5	JW-EA05-COMP-120 509	D 2216	T	0.8000 g	10.6718 g	7.3707 g			

Batch Notes	
Balance ID	SEA218 No Unit
Date samples were placed in the oven	05/22/2012
Oven Temp when samples are put in oven	113.5 Degrees C
Time samples were place in the oven	1604
Date samples were removed from oven	05/23/2012
Oven Temp when samples removed from oven	114.5 Degrees C
Time Samples were removed from oven	1238
Oven ID	TAC306
ID number of the thermometer	3A4823
Uncorrected In Temperature	113 Celsius
Uncorrected Out Temperature	114 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Burlington Job No.: 580-32847-1

SDG No.: _____

Batch Number: 39415 Batch Start Date: 05/29/12 11:55 Batch Analyst: Nelson, Andrea J

Batch Method: Lloyd Kahn Batch End Date: 05/29/12 13:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	WCBCLCSs 00006	WCLKCCVs 00006			
ICV 200-39415/1		Lloyd Kahn			0.553 mg			
LCS 200-39415/4		Lloyd Kahn		9.261 mg				
CCV 200-39415/9		Lloyd Kahn			0.513 mg			

Batch Notes	
Muffle Furnace ID	30400
Oven Temp when samples are put in oven	103 Celsius
Muffle Furnace temp when samples put in	375 Celsius
Time samples were place in the oven	05/22/2012 @ 1630
Time samples put in muffle furnace	05/24/2012 @ 1410
Oven Temp when samples removed from oven	104 Celsius
Muffle Furnace temp when samples removed	375 Celsius
Time Samples were removed from oven	05/23/2012 @ 0845
Time samples removed from muffle furnace	05/26/2012 @ 1950
Oven ID	2
Lot # of Phosphoric Acid	WCPA119i_00026

Basis	Basis Description

COVER PAGE
GEOTECHNICAL

Lab Name: TestAmerica Seattle Job Number: 580-32847-1

SDG No.: _____

Project: Jeld-Wen Surface Sediment

Client Sample ID
JW-EA05-COMP-120509

Lab Sample ID
580-32847-5

Comments:

TestAmerica Tacoma

Sediment Grain Size - SEF/DMEF/PSEP

Client Anchor QEA LLC
 Client Sample ID JW-EA05-COMP-120509
 Lab Sample ID 580-32847-A-5

Date Received 5/9/2012
 Start Date 6/8/2012
 End Date 6/15/2012

Dry Weight Determination

Tin Weight 0 g
 Wet Sample + Tin 0 g
 Dry Sample + Tin 0 g
 % Moisture 33 %

Default Soil Gravity 2.65

Sample Weights

	Tare	Pan+Sample	Sample
Sample Weight (Wet)		117.9	117.9
Sample Weight (dry)			74.7387

SHMP test

Standard ID 6/9/2012
 Weight of aliquot 1 (mg) 5.4
 Weight of aliquot 2 (mg) 1.6
 Weight of aliquot 3 (mg) 0.9
 Weight of aliquot 4 (mg) 1.1
 Weight of aliquot 5 (mg) 1.6
 Average Weight (mg) 2.12

Sample Split

	Tare	Pan+Sample	Sample
Sample >=#230			67.2197
Sample <#230			7.519
% Passing #230			10.1

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare	Pan+Sample	Sample	% Finer	Classification	Sub Class
5 inch	125000	0	0	0 g	100.0	Cobbles	
2.5 inch	63000	0	0	0 g	100.0	Cobbles	
1.25 inch	31500	0	0	0 g	100.0	Gravel	
5/8 inch	16000	0	0	0 g	100.0	Gravel	
5/16 inch	8000	0	0	0 g	100.0	Gravel	
#4	4750	0	0	0 g	100.0	Gravel	
#5	4000	0	8.6799	8.6799 g	88.4	Gravel	
#10	2000	0	1.2801	1.2801 g	86.7	Gravel	
#18	1000	0	1.5806	1.5806 g	84.6	Sand	Coarse
#35	500	0	6.5916	6.5916 g	75.8	Sand	Medium
#60	250	0	19.1015	19.1015 g	50.2	Sand	Medium
#120	125	0	22.0027	22.0027 g	20.8	Sand	Fine
#230	63	0	7.9833	7.9833 g	10.1	Sand	Fine
				0 g	10.1	Sand	Fine
				0 g	10.1		
Remainder				0 g			

Number of aliquots SHMP used 1

Silt/Clay Fraction (Pipette Test)

Pipette Size (Phi)	Size (um)	Temp C	Withdrawal Time (hh:mm:ss)	Withdrawal Depth	Tare Weight	Tin + residue	Residue weight - SHMP	Phi Interval	% Phi Interval	% finer	Classification	Sub Class
4 to 5	31.42	21	00:00:20	20	55.0204	55.1729	0.15038	1.615	2.160861776	7.9391382	Silt	Coarse
5 to 6	15.6	21	00:01:51	10	57.9018	58.022	0.11808	1.545	2.067202132	5.8719361	Silt	Medium
6 to 7	7.8	21	00:07:25	10	46.3992	46.4885	0.08718	1.455	1.946782591	3.9251535	Silt	Fine
7 to 8	3.9	21	00:29:41	10	54.6009	54.6611	0.05808	1.015	1.358064831	2.5670887	Silt	Very Fine
8 to 9	1.95	21	01:59:00	10	48.4736	48.5135	0.03778	0.625	0.836246817	1.7308419	Clay	Coarse
9 to 10	0.98	21	07:56:00	10	61.3957	61.4231	0.02528	0.385	0.515128039	1.2157138	Clay	Medium
10 to 11	0.49	21	31:40:00	10	55.3385	55.3582	0.01758	0.879	1.176097524	0	Clay	Fine
			not defined	10								

1B-IN
 INORGANIC ANALYSIS DATA SHEET
 GEOTECHNICAL

Client Sample ID: JW-EA05-COMP-120509

Lab Sample ID: 580-32847-5

Lab Name: TestAmerica Seattle

Job No.: 580-32847-1

SDG ID.: _____

Matrix: Solid

Date Sampled: 05/09/2012 14:14

Reporting Basis: WET

Date Received: 05/10/2012 16:00

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Cobbles	0.00			%			1	PSEP Plumb 1981
	Gravel	13			%			1	PSEP Plumb 1981
	Sand	77			%			1	PSEP Plumb 1981
	Silt	7.5			%			1	PSEP Plumb 1981
	Clay	2.6			%			1	PSEP Plumb 1981

Shipping and Receiving Documents



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Socorsky Page 1 of 1

32847

Lab Contact:		Project: <u>Jeld Wen</u>		Analyses Requested						Notes/ Comments:		
Lab: <u>Test America</u>		Surface <u>Sediment</u>		Archive	TS/DC/BC/GS							
Address: <u>5755 8th Street E</u>		Proj. No.: <u>120909-01.01</u>										
City, etc.: <u>Tacoma WA 98424</u>		Sampler: <u>NS/KC</u>										
Phone: <u>253-922-2310</u>		Shipping Method: <u>Pick-Up</u>										
Fax: <u>253-922-5047</u>		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
<u>1 JW-EAOS-SS19</u>	<u>1205 5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>2</u>	<u>X</u>							
<u>2 JW-EAOS-SS20</u>	<u>1205 5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>							
<u>3 JW-EAOS-SS18</u>	<u>1205 5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>2</u>	<u>X</u>							
<u>4 JW-EAOS-SS17</u>	<u>1205 5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>2</u>	<u>X</u>							
<u>5 JW-EAOS-COMP1</u>	<u>1205 5/9/12</u>	<u>14:14</u>	<u>Sect</u>	<u>1</u>		<u>X</u>						
Cooler/TB <u>Dig/IR cor 1.9 unc 2.0</u> Cooler Dsc <u>Log-White@ Lab 1000</u> Wet/Packs <u>Packing bubble</u> <u>w/o A2 labcamer</u>												

Relinquished: (Signature) <u>C Fields</u>		Relinquished: (Signature)		Relinquished: (Signature)		Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>		Printed Name:		Printed Name:			
Company: <u>Anchor QEA</u>		Company:		Company:			
Date/Time: <u>5/10/12 10:37am</u>		Date/Time:		Date/Time:			
Received By: <u>Francisco Lung Jr</u>		Received By:		Received By:		# of Coolers: Cooler Temp(s):	
Printed Name: <u>Francisco Lung Jr</u>		Printed Name:		Printed Name:			
Company: <u>TA-SEA</u>		Company:		Company:			
Date/Time: <u>5/10/12 1315</u>		Date/Time:		Date/Time:		COC Seals Intact? Bottles Intact?	

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32847-1

Login Number: 32847

List Source: TestAmerica Seattle

List Number: 1

Creator: Riley, Nicole

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Anchor QEA LLC

Job Number: 580-32847-1

Login Number: 32847
List Number: 1
Creator: Kirchner, Benjamin

List Source: TestAmerica Burlington
List Creation: 05/17/12 04:37 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	385782
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C, IR GUN ID 154, CF -0.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.



9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4367
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	2 Waters (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	11-May-2012
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.
2. In the OPR the recovery of PCB-205 is slightly below the lower limit (78.3% vs 79% lower limit). Two labeled standards (PCB-77 and PCB-81) are slightly above the OPR established limits for 1668B. In all cases, variances are within the calibration (CS3) variances established for the method.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads "Todd Vilen". The signature is written in a cursive style.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES

*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.

APPENDIX B: LAB ID IDENTIFIERS


AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

<div style="display: flex; justify-content: space-between; align-items: center;"> Sample Summary  1668B </div>			
Analyte	MB #71970	JW-FB-120507	JW-RB-120507
	Conc. pg/L	Conc. pg/L	Conc. pg/L
PCB-77	(3.26)	(2.03)	(2.11)
PCB-81	(3.14)	(1.86)	(2.32)
PCB-105	(4.58)	4.01	15.6
PCB-114	(4.33)	(2.48)	(2.81)
PCB-118	[5.73]	[9.14]	43.2
PCB-123	(5.12)	(2.7)	(3.18)
PCB-126	(4.46)	(1.93)	(3.05)
PCB-156/157	(3.57)	(2.26)	4.76
PCB-167	(2.78)	(1.76)	(2.46)
PCB-169	(3.21)	(1.95)	(3.14)
PCB-189	(2.78)	(1.62)	(2.11)
Total Mono-CBs	(8.24)	(2.49)	(2.8)
Total Di-CBs	(123)	(32.3)	(38.5)
Total Tri-CBs	(9.29)	9.58	27.8
Total Tetra-CBs	(4.24)	33.4	177
Total Penta-CBs	18.6	48.7	295
Total Hexa-CBs	(3.41)	19.0	128
Total Hepta-CBs	(3.18)	6.48	37.0
Total Octa-CBs	(2.8)	(2.3)	(3.02)
Total Nona-CBs	(4.03)	(2.34)	(3.21)
PCB-209	(3.77)	(2.36)	(2.93)
TEQs (WHO 2005 M/H)			
ND = 0; EMPC = 0	0.00	0.00012	0.00191
ND = 0; EMPC = EMPC	0.000172	0.000394	0.00191
ND = DL/2; EMPC = 0	0.272	0.126	0.202
ND = DL/2; EMPC = EMPC	0.272	0.126	0.202
ND = DL; EMPC = 0	0.545	0.252	0.403
ND = DL; EMPC = EMPC	0.545	0.253	0.403


Checkcode

760-674-PZJ

605-161-NMY

417-340-WLP

() = DL
[] = EMPC

PCB Recoveries				1668B
Standard	MB #71970	JW-FB-120507	JW-RB-120507	
ES PCB-1	49.1	63.2	57.0	
ES PCB-3	47.8	59.9	54.3	
ES PCB-4	44.2	54.0	49.1	
ES PCB-15	53.1	66.0	56.9	
ES PCB-19	54.6	69.5	59.7	
ES PCB-37	78.0	83.1	78.8	
ES PCB-54	58.4	71.3	68.5	
ES PCB-77	125	100	96.8	
ES PCB-81	134	106	101	
ES PCB-104	40.6	55.1	52.8	
ES PCB-105	94.5	91.6	86.1	
ES PCB-114	87.6	84.4	77.4	
ES PCB-118	96.2	89.0	83.8	
ES PCB-123	86.3	83.8	77.0	
ES PCB-126	108	98.5	90.5	
ES PCB-155	67.2	83.2	78.8	
ES PCB-156/157	100	107	96.8	
ES PCB-167	95.5	103	96.2	
ES PCB-169	93.2	101	93.7	
ES PCB-188	73.6	76.3	72.7	
ES PCB-189	90.4	89.9	90.1	
ES PCB-202	82.6	85.5	78.3	
ES PCB-205	104	105	103	
ES PCB-206	96.2	93.8	91.8	
ES PCB-208	85.1	83.7	85.5	
ES PCB-209	99.1	89.3	86.6	

Checkcode

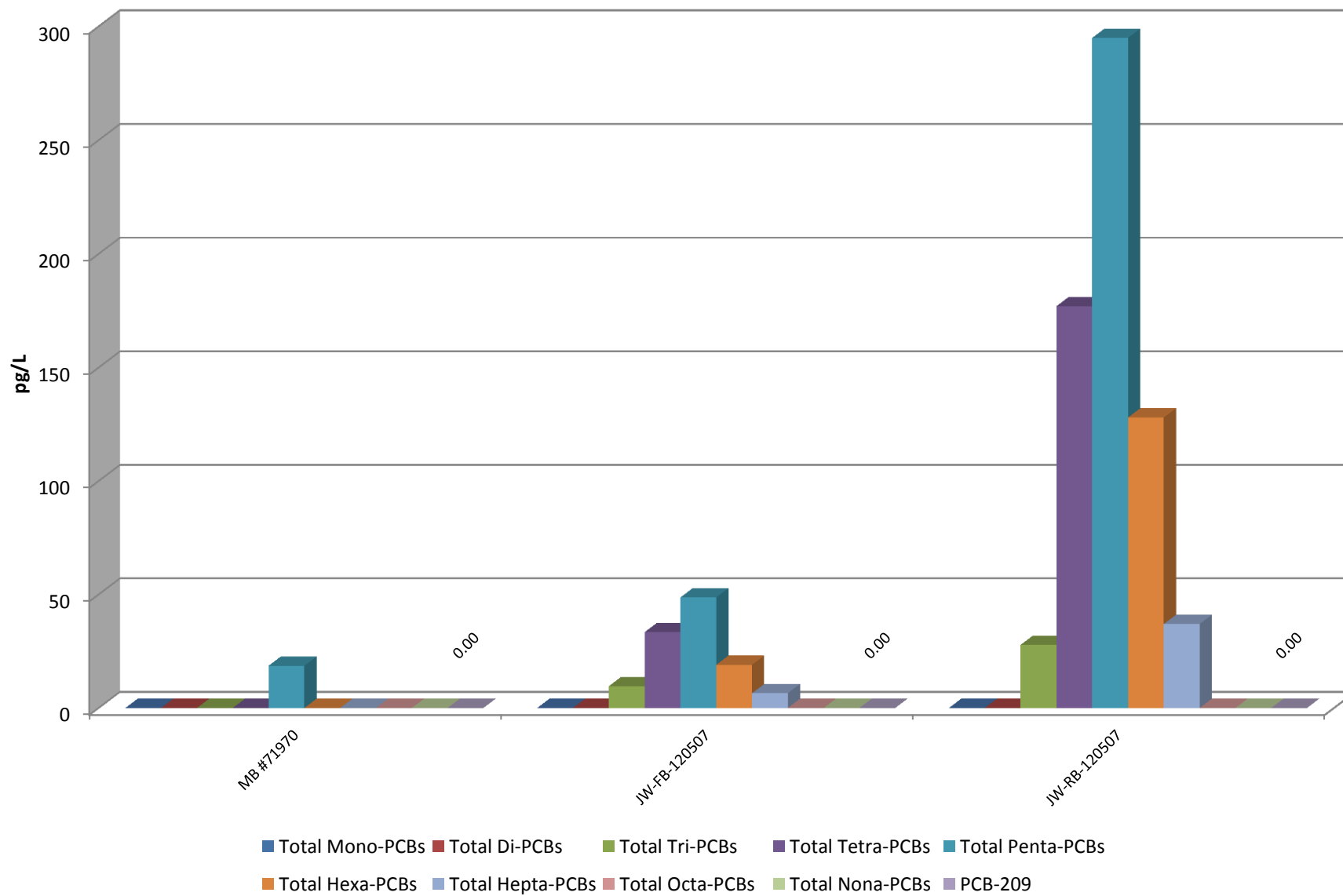
760-674-PZJ

605-161-NMY

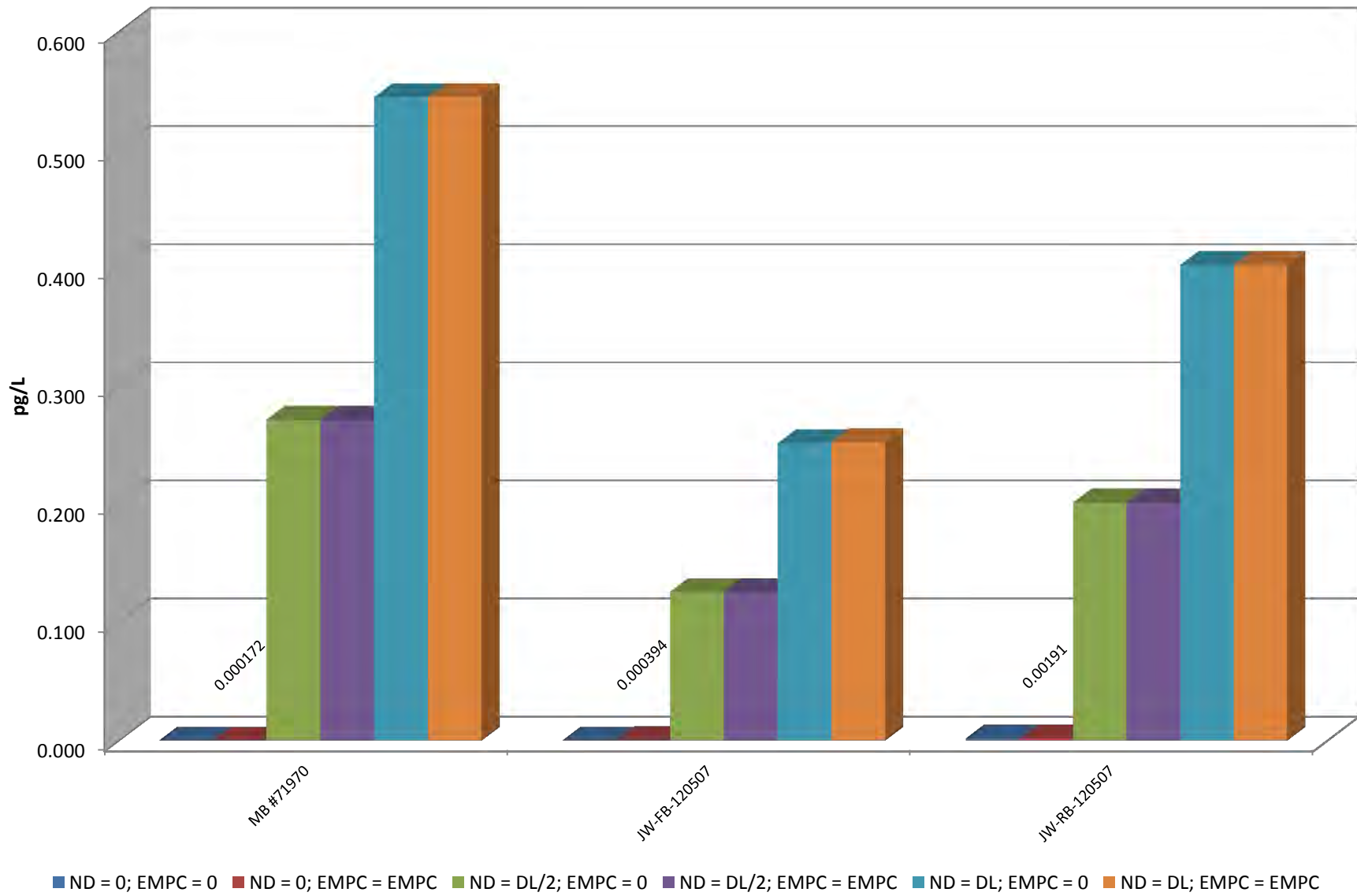
417-340-WLP

() = DL
 [] = EMPC

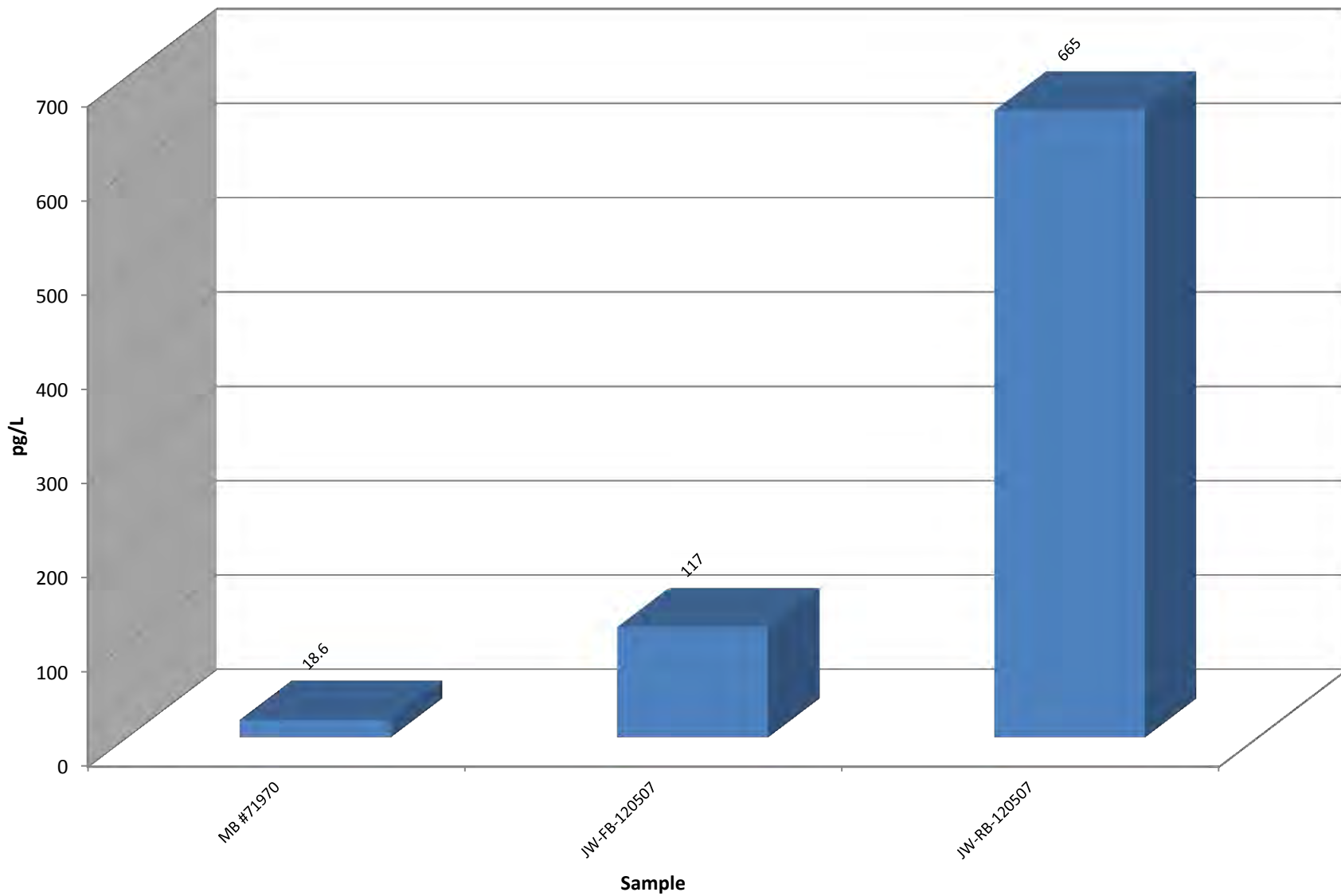
PCB Homologues
Project ID: JELD-WEN Surface Sediment
A4367



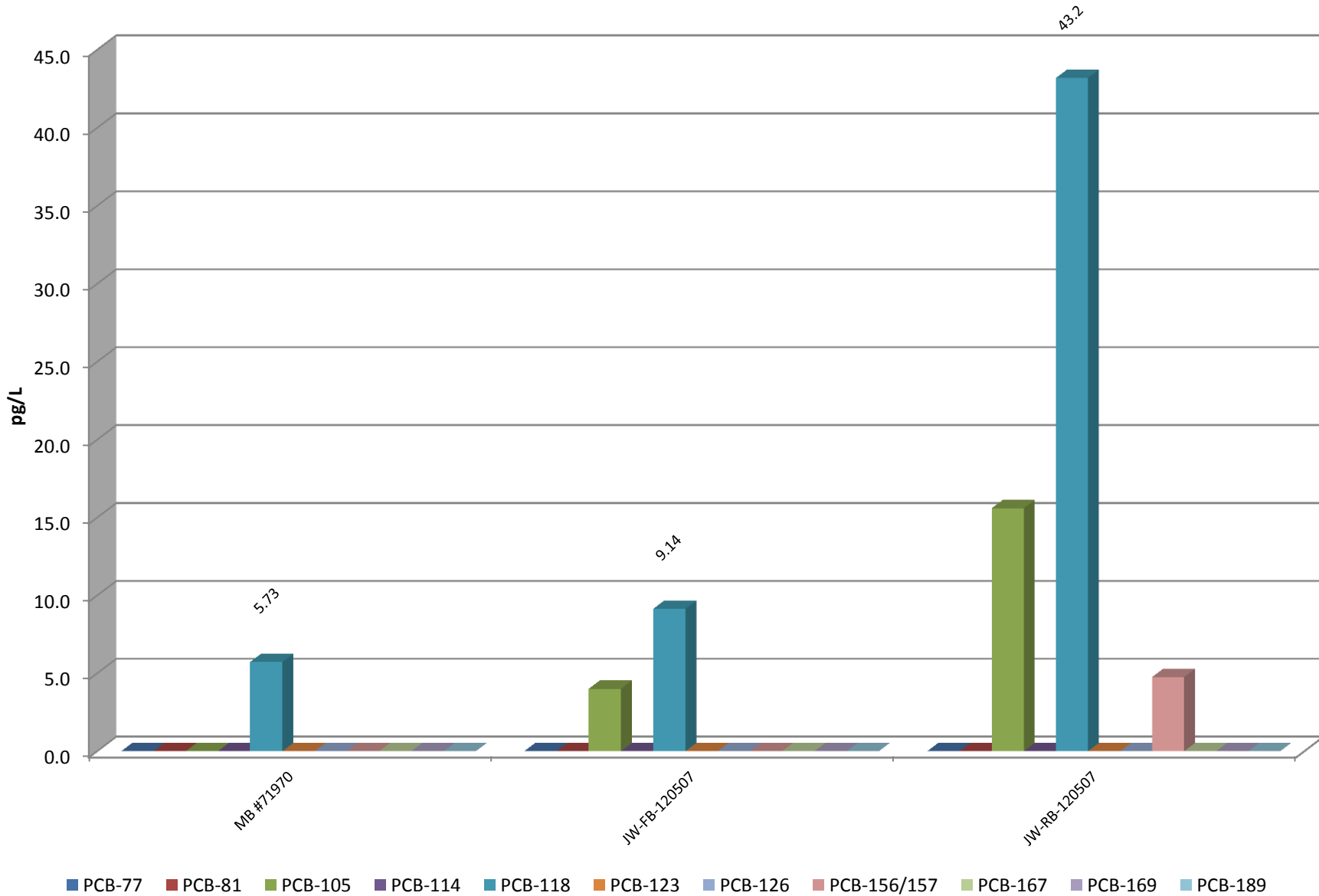
PCB TEQ
Project ID: JELD-WEN Surface Sediment
A4367



PCB Totals
Project ID: JELD-WEN Surface Sediment
A4367



PCB WHO
Project ID: JELD-WEN Surface Sediment
A4367



Sample ID: MB #71970**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	1.00 L	Sample ID:	MB1_9888_PCB_TLX	Date Extracted:	15-May-2012
Date Collected:	n/a	pH	5	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	3.26			ES PCB-1	49.1	
PCB-81 344'5'-TeCB	ND	3.14			ES PCB-3	47.8	
PCB-105 233'44'-PeCB	ND	4.58			ES PCB-4	44.2	
PCB-114 2344'5'-PeCB	ND	4.33			ES PCB-15	53.1	
PCB-118 23'44'5'-PeCB	EMPC		5.73	J	ES PCB-19	54.6	
PCB-123 23'44'5'-PeCB	ND	5.12			ES PCB-37	78	
PCB-126 33'44'5'-PeCB	ND	4.46			ES PCB-54	58.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	3.57		C	ES PCB-77	125 V	
PCB-167 23'44'55'-HxCB	ND	2.78			ES PCB-81	134 V	
PCB-169 33'44'55'-HxCB	ND	3.21			ES PCB-104	40.6	
PCB-189 233'44'55'-HpCB	ND	2.78			ES PCB-105	94.5	
					ES PCB-114	87.6	
TEQs (WHO M/H)					ES PCB-118	96.2	
					ES PCB-123	86.3	
ND = 0	0		0.000172		ES PCB-126	108 V	
ND = 0.5 x DL	0.272		0.272		ES PCB-153	-	
					ES PCB-155	67.2	
Totals					ES PCB-156/157	100	
					ES PCB-167	95.5	
Mono-CBs	ND	8.24			ES PCB-169	93.2	
Di-CBs	ND	123			ES PCB-170	-	
Tri-CBs	ND	9.29			ES PCB-180	-	
Tetra-CBs	ND	4.24			ES PCB-188	73.6	
Penta-CBs	18.6		37.3		ES PCB-189	90.4	
Hexa-CBs	ND	3.41			ES PCB-202	82.6	
Hepta-CBs	ND	3.18			ES PCB-205	104	
Octa-CBs	ND	2.8			ES PCB-206	96.2	
Nona-CBs	ND	4.03			ES PCB-208	85.1	
Deca-CB	ND	3.77			ES PCB-209	99.1	
					CS PCB-28	85	
Total PCB (Mono-Deca)	18.6		37.3		CS PCB-111	95.9	
					CS PCB-178	84.9	

Checkcode: 760-674-PZJ


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 14:56 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #71970**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: Jeld-Wen, Inc.			Matrix: Aqueous			Project No.: A4367			Date Received: n/a								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 1.00 L			Sample ID: MB1_9888_PCB_TLX			Date Extracted: 15-May-2012								
Date Collected: n/a			pH: 5			QC Batch No.: 9888			Date Analyzed: 29-Jun-2012								
			Units: pg/L			Checkcode: 760-674-PZJ			Time Analyzed: 16:41:37								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(6.97)		PCB-19	(11.8)		PCB-54	(5.33)		PCB-72	(3.07)							
PCB-2	(8.68)		PCB-30/18	(9.66)	C	PCB-50/53	(4.52)	C	PCB-68	(2.83)							
PCB-3	(9.5)		PCB-17	(11.6)		PCB-45	(5.29)		PCB-57	(3.17)							
			PCB-27	(8.55)		PCB-51	(4.52)		PCB-58	(3.12)							
Conc.	0		PCB-24	(8.97)		PCB-46	(5.64)		PCB-67	(3.04)							
EMPC	0		PCB-16	(14.8)		PCB-52	(4.93)		PCB-63	(2.87)							
			PCB-32	(8.02)		PCB-73	(3.64)		PCB-61/70/74/76	(3.06)	C						
Di	Conc.	Qualifiers	PCB-34	(6.35)		PCB-43	(5.43)		PCB-66	(3.32)							
PCB-4	(154)		PCB-23	(6.08)		PCB-69/49	(3.88)	C	PCB-55	(3.13)							
PCB-10	(89.5)		PCB-26/29	(6.03)	C	PCB-48	(4.8)		PCB-56	(3.34)							
PCB-9	(92.3)		PCB-25	(6.02)		PCB-44/47/65	(4.45)	C	PCB-60	(3.13)							
PCB-7	(79.1)		PCB-31	(5.84)		PCB-59/62/75	(3.49)	C	PCB-80	(2.79)							
PCB-6	(86.6)		PCB-28/20	(6.1)	C	PCB-42	(5)		PCB-79	(2.95)							
PCB-5	(85.5)		PCB-21/33	(5.94)	C	PCB-41	(5.64)		PCB-78	(3.43)							
PCB-8	(79.4)		PCB-22	(6.55)		PCB-71/40	(4.61)	C	PCB-81	(3.14)							
PCB-14	(72.2)		PCB-36	(6.17)		PCB-64	(3.32)		PCB-77	(3.26)							
PCB-11	(87.8)		PCB-39	(5.82)													
PCB-13/12	(83.7)	C	PCB-38	(6.67)													
PCB-15	(92.1)		PCB-35	(6.78)													
			PCB-37	(6.73)													
Conc.	0		Conc.	0					Conc.	0							
EMPC	0		EMPC	0					EMPC	0							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						0			0		
						Tetra-Hexa						18.6			37.3		
						Hepta-Deca						0			0		
						Mono-Deca						18.6			37.3		

Sample ID: MB #71970						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(7.62)		PCB-109/119/86...	(5.3)	C	PCB-155	(4.1)		PCB-165	(5.42)	
PCB-96	(8.03)		PCB-117	(5.81)		PCB-152	(4.52)		PCB-146	(6.06)	
PCB-103	(5.65)		PCB-116/85	(4.88)	C	PCB-150	(4.47)		PCB-161	(4.94)	
PCB-94	(6.37)		PCB-110	[13]	EMPC	PCB-136	(4.79)		PCB-153/168	(4.87)	C
PCB-95	8.94	J	PCB-115	(4.24)		PCB-145	(4.62)		PCB-141	(6.35)	
PCB-100/93	(5.84)	C	PCB-82	(7.26)		PCB-148	(6.09)		PCB-130	(7.43)	
PCB-102	(5.9)		PCB-111	(4.53)		PCB-151/135	(6.2)	C	PCB-137	(5.95)	
PCB-98	(6.17)		PCB-120	(4.5)		PCB-154	(5.59)		PCB-164	(5.09)	
PCB-88	(6.1)		PCB-108/124	(4.93)	C	PCB-144	(6.17)		PCB-163/138/129	(5.98)	C
PCB-91	(5.71)		PCB-107	(4.99)		PCB-147/149	(6.09)	C	PCB-160	(5.16)	
PCB-84	(6.96)		PCB-123	(5.12)		PCB-134	(7.91)		PCB-158	(4.62)	
PCB-89	(6.68)		PCB-106	(4.74)		PCB-143	(6.05)		PCB-128/166	(3.17)	C
PCB-121	(4.43)		PCB-118	[5.73]	J EMPC	PCB-139/140	(5.92)	C	PCB-159	(2.8)	
PCB-92	(6.29)		PCB-122	(4.74)		PCB-131	(7.04)		PCB-162	(2.75)	
PCB-113/90/101	9.63	J C	PCB-114	(4.33)		PCB-142	(6.82)		PCB-167	(2.78)	
PCB-83	(7.64)		PCB-105	(4.58)		PCB-132	(6.81)		PCB-156/157	(3.57)	C
PCB-99	(5.74)		PCB-127	(4.66)		PCB-133	(6.59)		PCB-169	(3.21)	
PCB-112	(4.71)		PCB-126	(4.46)							
			Conc.	18.6					Conc.	0	
			EMPC	37.3					EMPC	0	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.88)		PCB-174	(4.21)		PCB-202	(2.82)		PCB-208	(3.82)	
PCB-179	(3.15)		PCB-177	(4.11)		PCB-201	(2.47)		PCB-207	(3.78)	
PCB-184	(3.21)		PCB-181	(3.49)		PCB-204	(2.61)		PCB-206	(4.25)	
PCB-176	(2.86)		PCB-171/173	(3.94)	C	PCB-197	(2.52)				
PCB-186	(3.07)		PCB-172	(3.51)		PCB-200	(2.47)		Conc.	0	
PCB-178	(4.23)		PCB-192	(2.73)		PCB-198/199	(3.48)	C	EMPC	0	
PCB-175	(3.57)		PCB-180/193	(2.75)	C	PCB-196	(3.31)				
PCB-187	(3.48)		PCB-191	(2.61)		PCB-203	(3.14)		Deca	Conc.	Qualifiers
PCB-182	(3.41)		PCB-170	(3.32)		PCB-195	(4.39)		PCB-209	(3.77)	
PCB-183	(3.03)		PCB-190	(2.56)		PCB-194	(4.09)				
PCB-185	(3.83)		PCB-189	(2.78)		PCB-205	(2.78)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-FB-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	1.06 L	Sample ID:	A4367_9888_PCB_001-RJ	Date Extracted:	15-May-2012
Date Collected:	07-May-2012	pH	7	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44"-TeCB	ND	2.03			ES PCB-1	63.2	
PCB-81 344'5"-TeCB	ND	1.86			ES PCB-3	59.9	
PCB-105 233'44"-PeCB	4.01			J	ES PCB-4	54	
PCB-114 2344'5"-PeCB	ND	2.48			ES PCB-15	66	
PCB-118 23'44'5"-PeCB	EMPC		9.14	J B	ES PCB-19	69.5	
PCB-123 23'44'5"-PeCB	ND	2.7			ES PCB-37	83.1	
PCB-126 33'44'5"-PeCB	ND	1.93			ES PCB-54	71.3	
PCB-156/157 233'44'5"/233'44'5"-HxCB	ND	2.26		C	ES PCB-77	100	
PCB-167 23'44'55"-HxCB	ND	1.76			ES PCB-81	106	
PCB-169 33'44'55"-HxCB	ND	1.95			ES PCB-104	55.1	
PCB-189 233'44'55"-HpCB	ND	1.62			ES PCB-105	91.6	
					ES PCB-114	84.4	
TEQs (WHO M/H)					ES PCB-118	89	
					ES PCB-123	83.8	
ND = 0	0.00012		0.000394		ES PCB-126	98.5	
ND = 0.5 x DL	0.126		0.126		ES PCB-153	-	
					ES PCB-155	83.2	
Totals					ES PCB-156/157	107	
					ES PCB-167	103	
Mono-CBs	ND	2.49			ES PCB-169	101	
Di-CBs	ND	32.3			ES PCB-170	-	
Tri-CBs	9.58				ES PCB-180	-	
Tetra-CBs	33.4		37.3		ES PCB-188	76.3	
Penta-CBs	48.7		68.7		ES PCB-189	89.9	
Hexa-CBs	19		45.2		ES PCB-202	85.5	
Hepta-CBs	6.48				ES PCB-205	105	
Octa-CBs	ND	2.3			ES PCB-206	93.8	
Nona-CBs	ND	2.34			ES PCB-208	83.7	
Deca-CB	ND	2.36			ES PCB-209	89.3	
					CS PCB-28	93.2	
Total PCB (Mono-Deca)	117		167		CS PCB-111	91.9	
					CS PCB-178	89.8	

Checkcode: 605-161-NMY


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 14:56 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-FB-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: Jeld-Wen, Inc.			Matrix: Aqueous			Project No.: A4367			Date Received: 09-May-2012								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 1.06 L			Sample ID: A4367_9888_PCB_001-RJ			Date Extracted: 15-May-2012								
Date Collected: 07-May-2012			pH: 7			QC Batch No.: 9888			Date Analyzed: 29-Jun-2012								
			Units: pg/L			Checkcode: 605-161-NMY			Time Analyzed: 18:29:41								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(2.06)		PCB-19	(3.01)		PCB-54	(1.74)		PCB-72	(1.82)							
PCB-2	(2.67)		PCB-30/18	(2.45)	C	PCB-50/53	(1.99)	C	PCB-68	(1.68)							
PCB-3	(2.92)		PCB-17	(2.95)		PCB-45	(2.33)		PCB-57	(1.88)							
			PCB-27	(2.17)		PCB-51	(1.99)		PCB-58	(1.85)							
Conc.	0		PCB-24	(2.28)		PCB-46	(2.49)		PCB-67	(1.8)							
EMPC	0		PCB-16	(3.75)		PCB-52	11		PCB-63	(1.7)							
			PCB-32	(2.04)		PCB-73	(1.6)		PCB-61/70/74/76	10.1	J C						
Di	Conc.	Qualifiers	PCB-34	(2.7)		PCB-43	(2.4)		PCB-66	4.5	J						
PCB-4	(41)		PCB-23	(2.59)		PCB-69/49	[3.84]	J EMPC C	PCB-55	(1.86)							
PCB-10	(23.8)		PCB-26/29	(2.57)	C	PCB-48	(2.12)		PCB-56	(1.98)							
PCB-9	(23.6)		PCB-25	(2.56)		PCB-44/47/65	7.89	J C	PCB-60	(1.86)							
PCB-7	(20.2)		PCB-31	4.17	J	PCB-59/62/75	(1.54)	C	PCB-80	(1.66)							
PCB-6	(22.1)		PCB-28/20	5.41	J C	PCB-42	(2.21)		PCB-79	(1.75)							
PCB-5	(21.8)		PCB-21/33	(2.52)	C	PCB-41	(2.49)		PCB-78	(2.03)							
PCB-8	(20.3)		PCB-22	(2.79)		PCB-71/40	(2.03)	C	PCB-81	(1.86)							
PCB-14	(18.5)		PCB-36	(2.62)		PCB-64	(1.46)		PCB-77	(2.03)							
PCB-11	(22.4)		PCB-39	(2.47)													
PCB-13/12	(21.4)	C	PCB-38	(2.84)													
PCB-15	(23.5)		PCB-35	(2.88)													
			PCB-37	(2.86)													
Conc.	0		Conc.	9.58					Conc.	33.4							
EMPC	0		EMPC	9.58					EMPC	37.3							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						9.58			9.58		
						Tetra-Hexa						101			151		
						Hepta-Deca						6.48			6.48		
						Mono-Deca						117			167		

Sample ID: JW-FB-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(2.5)		PCB-109/119/86...	8.54	J C	PCB-155	(1.84)		PCB-165	(2.43)	
PCB-96	(2.64)		PCB-117	(3.06)		PCB-152	(2.03)		PCB-146	(2.72)	
PCB-103	(2.98)		PCB-116/85	(2.57)	C	PCB-150	(2.01)		PCB-161	(2.22)	
PCB-94	(3.36)		PCB-110	18.4	B	PCB-136	(2.15)		PCB-153/168	[11.6]	J EMPC C
PCB-95	12.3	B	PCB-115	(2.24)		PCB-145	(2.07)		PCB-141	(2.85)	
PCB-100/93	(3.07)	C	PCB-82	(3.82)		PCB-148	(2.73)		PCB-130	(3.34)	
PCB-102	(3.11)		PCB-111	(2.39)		PCB-151/135	(2.78)	C	PCB-137	(2.67)	
PCB-98	(3.25)		PCB-120	(2.37)		PCB-154	(2.51)		PCB-164	(2.28)	
PCB-88	(3.22)		PCB-108/124	(2.6)	C	PCB-144	(2.77)		PCB-163/138/129	19	J C
PCB-91	(3.01)		PCB-107	(2.63)		PCB-147/149	[14.7]	J EMPC C	PCB-160	(2.32)	
PCB-84	(3.67)		PCB-123	(2.7)		PCB-134	(3.55)		PCB-158	(2.07)	
PCB-89	(3.52)		PCB-106	(2.5)		PCB-143	(2.72)		PCB-128/166	(2.01)	C
PCB-121	(2.33)		PCB-118	[9.14]	J B EMPC	PCB-139/140	(2.66)	C	PCB-159	(1.77)	
PCB-92	(3.32)		PCB-122	(2.72)		PCB-131	(3.16)		PCB-162	(1.74)	
PCB-113/90/101	[10.9]	J B EMPC C	PCB-114	(2.48)		PCB-142	(3.06)		PCB-167	(1.76)	
PCB-83	(4.02)		PCB-105	4.01	J	PCB-132	(3.06)		PCB-156/157	(2.26)	C
PCB-99	5.44	J	PCB-127	(2.55)		PCB-133	(2.96)		PCB-169	(1.95)	
PCB-112	(2.48)		PCB-126	(1.93)							
			Conc.	48.7					Conc.	19	
			EMPC	68.7					EMPC	45.2	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(2.3)		PCB-174	(4)		PCB-202	(2.99)		PCB-208	(2.28)	
PCB-179	(2.52)		PCB-177	(3.91)		PCB-201	(2.62)		PCB-207	(2.26)	
PCB-184	(2.56)		PCB-181	(3.32)		PCB-204	(2.77)		PCB-206	(2.39)	
PCB-176	(2.29)		PCB-171/173	(3.75)	C	PCB-197	(2.67)				
PCB-186	(2.46)		PCB-172	(3.16)		PCB-200	(2.62)		Conc.	0	
PCB-178	(3.38)		PCB-192	(2.46)		PCB-198/199	(3.69)	C	EMPC	0	
PCB-175	(3.39)		PCB-180/193	6.48	J C	PCB-196	(3.51)				
PCB-187	(3.31)		PCB-191	(2.35)		PCB-203	(3.33)		Deca	Conc.	Qualifiers
PCB-182	(3.24)		PCB-170	(3)		PCB-195	(2.55)		PCB-209	(2.36)	
PCB-183	(2.88)		PCB-190	(2.31)		PCB-194	(2.37)				
PCB-185	(3.64)		PCB-189	(1.62)		PCB-205	(1.61)				
			Conc.	6.48		Conc.	0				
			EMPC	6.48		EMPC	0				

Sample ID: JW-RB-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	Jeld-Wen, Inc.	Matrix:	Aqueous	Project No.:	A4367	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	0.92 L	Sample ID:	A4367_9888_PCB_002-RJ	Date Extracted:	15_May-2012
Date Collected:	07-May-2012	pH	7	QC Batch No.:	9888	Date Analyzed:	29-Jun-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44"-TeCB	ND	2.11			ES PCB-1	57	
PCB-81 344'5"-TeCB	ND	2.32			ES PCB-3	54.3	
PCB-105 233'44"-PeCB	15.6				ES PCB-4	49.1	
PCB-114 2344'5"-PeCB	ND	2.81			ES PCB-15	56.9	
PCB-118 23'44'5"-PeCB	43.2			B	ES PCB-19	59.7	
PCB-123 23'44'5"-PeCB	ND	3.18			ES PCB-37	78.8	
PCB-126 33'44'5"-PeCB	ND	3.05			ES PCB-54	68.5	
PCB-156/157 233'44'5"/233'44'5"-HxCB	4.76			J C	ES PCB-77	96.8	
PCB-167 23'44'55"-HxCB	ND	2.46			ES PCB-81	101	
PCB-169 33'44'55"-HxCB	ND	3.14			ES PCB-104	52.8	
PCB-189 233'44'55"-HpCB	ND	2.11			ES PCB-105	86.1	
					ES PCB-114	77.4	
TEQs (WHO M/H)					ES PCB-118	83.8	
					ES PCB-123	77	
ND = 0	0.00191		0.00191		ES PCB-126	90.5	
ND = 0.5 x DL	0.202		0.202		ES PCB-153	-	
					ES PCB-155	78.8	
Totals					ES PCB-156/157	96.8	
					ES PCB-167	96.2	
Mono-CBs	ND	2.8			ES PCB-169	93.7	
Di-CBs	ND	38.5			ES PCB-170	-	
Tri-CBs	27.8		50.1		ES PCB-180	-	
Tetra-CBs	177		194		ES PCB-188	72.7	
Penta-CBs	295		314		ES PCB-189	90.1	
Hexa-CBs	128		217		ES PCB-202	78.3	
Hepta-CBs	37				ES PCB-205	103	
Octa-CBs	ND	3.02			ES PCB-206	91.8	
Nona-CBs	ND	3.21			ES PCB-208	85.5	
Deca-CB	ND	2.93			ES PCB-209	86.6	
					CS PCB-28	87.9	
Total PCB (Mono-Deca)	665		812		CS PCB-111	87.9	
					CS PCB-178	77.3	

Checkcode: 417-340-WLP


SGS AP PCB 2012 Rev. 1.4

Report Created: 03-Jul-2012 15:26 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RB-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	Jeld-Wen, Inc.		Matrix:	Aqueous		Project No.:	A4367		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	0.92 L		Sample ID:	A4367_9888_PCB_002-RJ		Date Extracted:	15_May-2012							
Date Collected:	07-May-2012		pH	7		QC Batch No.:	9888		Date Analyzed:	29-Jun-2012							
			Units	pg/L		Checkcode:	417-340-WLP		Time Analyzed:	19:24:39							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(2.42)		PCB-19	(3.47)		PCB-54	(2.03)		PCB-72	(2.27)							
PCB-2	(2.9)		PCB-30/18	8.14	J C	PCB-50/53	[6.32]	J EMPC C	PCB-68	(2.09)							
PCB-3	(3.17)		PCB-17	[5.65]	J EMPC	PCB-45	(3)		PCB-57	(2.34)							
			PCB-27	(2.5)		PCB-51	6.18	J	PCB-58	(2.3)							
Conc.	0		PCB-24	(2.63)		PCB-46	(3.2)		PCB-67	(2.24)							
EMPC	0		PCB-16	(4.33)		PCB-52	49		PCB-63	(2.12)							
			PCB-32	[3.73]	J EMPC	PCB-73	(2.06)		PCB-61/70/74/76	32.8	J C						
Di	Conc.	Qualifiers	PCB-34	(2.59)		PCB-43	(3.08)		PCB-66	17.2							
PCB-4	(45.5)		PCB-23	(2.48)		PCB-69/49	26	C	PCB-55	(2.31)							
PCB-10	(26.4)		PCB-26/29	4.63	J C	PCB-48	(2.72)		PCB-56	3.6	J						
PCB-9	(31.4)		PCB-25	(2.46)		PCB-44/47/65	32.7	C	PCB-60	(2.31)							
PCB-7	(27)		PCB-31	9.4	J	PCB-59/62/75	(1.98)	C	PCB-80	(2.06)							
PCB-6	(29.5)		PCB-28/20	[9.21]	J EMPC C	PCB-42	[5.18]	J EMPC	PCB-79	(2.18)							
PCB-5	(29.1)		PCB-21/33	5.63	J C	PCB-41	(3.2)		PCB-78	(2.53)							
PCB-8	(27.1)		PCB-22	[3.67]	J EMPC	PCB-71/40	9.47	J C	PCB-81	(2.32)							
PCB-14	(24.6)		PCB-36	(2.52)		PCB-64	[5.38]	J EMPC	PCB-77	(2.11)							
PCB-11	(29.9)		PCB-39	(2.38)													
PCB-13/12	(28.5)	C	PCB-38	(2.72)													
PCB-15	(31.4)		PCB-35	(2.77)													
			PCB-37	(2.75)													
Conc.	0		Conc.	27.8					Conc.	177							
EMPC	0		EMPC	50.1					EMPC	194							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						27.8			50.1		
						Tetra-Hexa						600			725		
						Hepta-Deca						37			37		
						Mono-Deca						665			812		

Sample ID: JW-RB-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(3.19)		PCB-109/119/86...	36.2	J C	PCB-155	(2.13)		PCB-165	(2.81)	
PCB-96	(3.36)		PCB-117	(3.61)		PCB-152	(2.34)		PCB-146	7.2	J
PCB-103	(3.51)		PCB-116/85	[5.66]	J EMPC C	PCB-150	(2.32)		PCB-161	(2.56)	
PCB-94	(3.96)		PCB-110	66.9	B	PCB-136	6.89	J	PCB-153/168	42.6	C
PCB-95	40.3	B	PCB-115	(2.64)		PCB-145	(2.39)		PCB-141	[6.85]	J EMPC
PCB-100/93	(3.62)	C	PCB-82	(4.51)		PCB-148	(3.16)		PCB-130	(3.86)	
PCB-102	(3.66)		PCB-111	(2.81)		PCB-151/135	[15.4]	J EMPC C	PCB-137	(3.08)	
PCB-98	(3.83)		PCB-120	(2.8)		PCB-154	(2.9)		PCB-164	[3.24]	J EMPC
PCB-88	(3.79)		PCB-108/124	(3.06)	C	PCB-144	(3.2)		PCB-163/138/129	60.2	C
PCB-91	[4.53]	J EMPC	PCB-107	(3.1)		PCB-147/149	[36.9]	EMPC C	PCB-160	(2.68)	
PCB-84	[8.43]	J EMPC	PCB-123	(3.18)		PCB-134	(4.1)		PCB-158	5.94	J
PCB-89	(4.15)		PCB-106	(2.94)		PCB-143	(3.14)		PCB-128/166	[6.6]	J EMPC C
PCB-121	(2.75)		PCB-118	43.2	B	PCB-139/140	(3.07)	C	PCB-159	(2.48)	
PCB-92	9.96	J	PCB-122	(3.08)		PCB-131	(3.65)		PCB-162	(2.44)	
PCB-113/90/101	54.4	B C	PCB-114	(2.81)		PCB-142	(3.54)		PCB-167	(2.46)	
PCB-83	(4.74)		PCB-105	15.6		PCB-132	[20.7]	EMPC	PCB-156/157	4.76	J C
PCB-99	28.8		PCB-127	(3.11)		PCB-133	(3.42)		PCB-169	(3.14)	
PCB-112	(2.93)		PCB-126	(3.05)							
			Conc.	295					Conc.	128	
			EMPC	314					EMPC	217	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(3.2)		PCB-174	11.2		PCB-202	(3.62)		PCB-208	(3.06)	
PCB-179	(3.49)		PCB-177	(6.23)		PCB-201	(3.17)		PCB-207	(3.03)	
PCB-184	(3.56)		PCB-181	(5.3)		PCB-204	(3.35)		PCB-206	(3.35)	
PCB-176	(3.17)		PCB-171/173	(5.97)	C	PCB-197	(3.23)				
PCB-186	(3.41)		PCB-172	(4.67)		PCB-200	(3.18)		Conc.	0	
PCB-178	(4.69)		PCB-192	(3.63)		PCB-198/199	(4.47)	C	EMPC	0	
PCB-175	(5.41)		PCB-180/193	13.5	J C	PCB-196	(4.25)				
PCB-187	12.2		PCB-191	(3.48)		PCB-203	(4.03)		Deca	Conc.	Qualifiers
PCB-182	(5.17)		PCB-170	(4.43)		PCB-195	(3.84)		PCB-209	(2.93)	
PCB-183	(4.59)		PCB-190	(3.41)		PCB-194	(3.57)				
PCB-185	(5.81)		PCB-189	(2.11)		PCB-205	(2.43)				
			Conc.	37		Conc.	0				
			EMPC	37		EMPC	0				

Analytical Method: 8290 (1613) 8280
 (1668A) DLM Other:

QC Date	Prev. WG	QC Batch*	Prev. WG	Workgroup*	Logbook#	Page#	Page#
15-May-12	N/A	N/A	N/A	WG	19	1563	1564/1565

(PCB) (DX)
 1595 | 1596

Sample Identification			Extraction by Modified Method 3520C (Continuous Liquid/Liquid Extraction) Pre-Sox?					Extract Cleanup (Gravity Acid Silica/Florisil)				Injection Prep.				
Client Sample ID	SGS Sample ID* DX	Sample Matrix	Sample Weight*	Sample pH	ES Amt.* 1613_(µL)_1668		MX Amt. 1613_(µL)_1668	CS Amt. 1613_(µL)_1668		Cleanup Analyst	Step	mL	Solvent	Complete	JS Amt.* 1613_(µL)_1668	
MB for HBN 23683 [HXX/1595]	71970 71972	Water	1000	8	40	40	-	40	40	JHL	Rinse Column with DCM				20	20
OPR for HBN 23683 [HXX/1595]	71971 71973	Water	1000	8	40	40	40 50	40	40	JHL	1	10/10 ✓	DCM	KL	20	20
SG-RB-20120423	31201247006	Water	897	7	40	40	-	40	40	JHL	Flush Column with Hexane				20	20
SS01 Effluent	31201377001	Water	866	7	N/A	40	-	N/A	40	JHL	2	10/10 ✓	Hexane	KL	N/A	20
JW-RB-120507	31201450020	Water	920	7	40	40	-	40	40	JHL	Position PCB Collection Vial				20	20
JW-FB-120507	31201450022	Water	1055	7	N/A	40	-	N/A	40	JHL	Load Sample with Hexane				N/A	20
R-1 Culvert #002 Yard	31201472001	Water	904	7	N/A	40	-	N/A	40	JHL	Elute Sample with Hexane				N/A	20
NC007SW-A-20120506	31201401001	Water	974	7	40	40	-	40	40	JHL	3	10/10 ✓	Hexane	KL	20	20
NC1007SW-C-20120506	31201401002	Water	982	7	40	40	-	40	40	JHL	Elute Sample with 5% DCM/Hexane				20	20
NC007SW-C-20120506	31201401003	Water	978	7	40	40	-	40	40	JHL	3	20/10 ✓	DCM	KL	20	20
SG-RB4-20120504	31201383006	Water	926	7	40	40	-	40	40	JHL	Position Dioxin Collection Vial				20	20
NC070SW-A-20120509	31201470001	Water	954	7	40	40	-	40	40	JHL	Elute Sample with DCM				20	20
NC070SW-C-20120509	31201470002	Water	973	7	40	40	-	40	40	JHL	3	20/20/15 ✓	DCM	KL	20	20
NC079SW-A-20120509	31201470003	Water	981	7	40	40	-	40	40	JHL	Cleanup Date: 5/18/12				20	20
NC079SW-C-20120509	31201470004	Water	980	7	40	40	-	40	40	JHL					20	20
NC046SW-A-20120510	31201470005	Water	959	7	40	40	-	40	40	JHL					20	20
NC046SW-C-20120510	31201470006	Water	934	7	40	40	-	40	40	JHL					20	20
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	N/A
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	N/A

Dioxin Standards	Lot #	Conc. (ng/uL)	Analyst	Witness	Items	Lot #
Extraction Std.	S40-30A	0.05	JHL	JHL	Toluene	STL1-1
Matrix Spike	S40-31	0.005	JHL	JHL	Tetradecane	N/A
Cleanup Std.	S40-26	0.01	JHL	N/A	MeCl	STL1-19
Injection Std.	S40-37	0.10	JHL	N/A	Salt	
PCB Standards					Hexane	STL1-17
Extraction Std.	S39-241B	0.05	JHL	JHL	Acid Silica	SPL3-24
Matrix Spike	S40-28A	0.01	JHL	JHL	Base Silica	SPL3-23
Cleanup Std.	S40-33	0.05	JHL	N/A	Silica	SPL3-16J
Injection Std.	S39-23L	0.10	JHL	JHL	Florisil	SPL3-16M

Balance Reference: WB1 SB1

Extraction Start: 5/15/12 18:00

Extraction Finish: 5/14/12 10:00

Comments: KL 5/24/12



A4373 = AP_SGS project number

Anchor QEA 21 of 454
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

= samples in this project

Chain of Custody Record & Laboratory Analysis Request

TV 5_Jul 2012

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	COC Seals Intact? NA	Bottles Intact?
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:		

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 22 of 454
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> <i>5/15/12</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:		
Company: <i>SGS</i>	Company:	Company:	# of Coolers: <i>2</i>	Cooler <i>3.1</i> Temp(s): <i>3.20</i>
Date/Time: <i>5/9/12 1015</i>	Date/Time:	Date/Time:	COC Seals Intact? <i>MA</i>	Bottles Intact?

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 23 of 454
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen			Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment			Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101										
City, etc.: Wilmington NC 28405		Sampler: KCONS										
Phone: 910-350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X							
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X						
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X						
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X						
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X						
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X						
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X					
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X						
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X						
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X						
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X						
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X					
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X		X				
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X		X X				
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X			X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			2	3.1, 3.20
			COC Seals Intact?	Bottles Intact?
			NA	

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

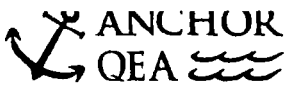
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP</i>	<i>1205 5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34</i>	<i>1205 5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37</i>	<i>1205 5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35</i>	<i>1205 5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38</i>	<i>1205 5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33</i>	<i>1205 5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36</i>	<i>1205 5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <i>2</i>	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1250 of 454
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky

Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:			
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS								
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									Sample ID	Sample Date	Sample Time	Sample Matrix
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>												
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>												
Fax:		AirBill #:												
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>										
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>										
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>										
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	X									
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	X									
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	X									
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	X									
<u>JW-EA05-SS17 COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		X								

@ 11°C
 D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Julie Schwiser</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

NO Seals

31226 (04/15/12)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	D/F & PCB							
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C. Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: Cindy Fields	Printed Name:	Printed Name:	
Company: Anchor QEA	Company:	Company:	
Date/Time: 5/9/12 11:30am	Date/Time:	Date/Time:	
Received By:	Received By:	Received By: <i>[Signature]</i>	# of Coolers: 1 Cooler Temp(s): 1.3 COC Seals Intact? n/a Bottles Intact? Y
Printed Name:	Printed Name:	Printed Name: Amy Boehm	
Company:	Company:	Company: SGS	
Date/Time:	Date/Time:	Date/Time: 5/11/12-0915	

1015

37626450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>			Analyses Requested							Notes/ Comments:		
Lab: <u>SGS</u>		Substrate Sediment			PCB/DIF/PAHs									
Address: <u>5800 Business Drive</u>		Proj. No.: <u>120909-01.01</u>												
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>												
Phone: <u>910 350-1903</u>		Shipping Method: <u>Overnight</u>												
Fax:		AirBill #:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers										
<u>JW-EA10-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>3</u>	<u>X</u>	<u>Adapt</u>								
<u>JW-EA01-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>5</u>	<u>X</u>	<u>Recovery</u>								

Relinquished: (Signature) <u>[Signature]</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:	
Company: <u>Anchor QEA</u>	Company:	Company:	
Date/Time: <u>5/9/12 11:30am</u>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	
Printed Name:	Printed Name:	Printed Name: <u>Amy Boehm</u>	
Company:	Company:	Company: <u>SGS</u>	# of Coolers: <u>1</u>
Date/Time:	Date/Time:	Date/Time: <u>5/11/12 10:15</u>	Cooler Temp(s): <u>1.3°C</u>
			COC Seals Intact? <u>2/4</u>
			Bottles Intact? <u>4</u>

Chain of Custody Record & Laboratory Analysis Request

3120145028 of 454

Laboratory Number: _____
 Date: 5/17/2012
 Project Name: Jeld-Wen
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: 206.903.3385
 Shipment Method: FedEx



Line	Field Sample ID	Collection Date/Time	Lab ID	Matrix	No. of Containers	Dioxin/Furans	PCB Congeners	% Lipids											Comments
1	JW-EA10-Tissue-120516	5/16/2012/0900		Tissue		X	X	X											add P&H-SIW
2	JW-EA1-Tissue-120516	5/16/2012/0915		Tissue		X	X	X											<i>[Signature]</i> 5/25/12
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

*Standard TAT
 *Level 4 data package
 *See QAPP tables for analyte lists and QC requirements

Relinquished By: *[Signature]* Company: Anchor QEA, LLC
 Signature/Printed Name: _____ Date/Time: 5/17/12 1530

Received By: *[Signature]* Company: SGS
 Signature/Printed Name: 351C Date/Time: 5/18/12 1040
[Signature]

Relinquished By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

Received By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Jeld-Wen** Work Order No.: **31201450**

- | | | |
|-----|--|--------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.5</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____ |

Comments: _____

Inspected and Logged in by: JJ
 Date: Sat-5/19/12 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Jeld Wen Work Order No.: 31201450

- | | | |
|-----|---|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: 11.6, 1.3
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input type="checkbox"/> No Discrepancies Noted
<input checked="" type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Descrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ
Date: Mon-5/14/12 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

Analytical Perspectives — Run Log

Project: A4367_9888_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120629S03	15	CS3_120629_PCB_SB	1.00	M1668-RETCON S40-51	LKB	700-838	29-Jun-2012	12:43:15
4	120629S06	10	OPR1_9888_PCB-RJ	1.00	OPR #71971	LKB	702-147	29-Jun-2012	13:36:22
6	120629S08	3	SBS_120629_PCB_SB	1.00	SIL9-41-1	LKB	725-464	29-Jun-2012	15:26:17
7	120629S09	11 ✓	MB1_9888_PCB_TLX	1.00	MB #71970	LKB	760-674	29-Jun-2012	16:41:37
9	120629S11	12	A4367_9888_PCB_001-RJ	1.06	JW-FB-120507	LKB	605-161	29-Jun-2012	18:29:41
10	120629S12	13 ✓	A4367_9888_PCB_002-RJ	0.92	JW-RB-120507	LKB	417-340	29-Jun-2012	19:24:39



= manual calculation

REVIEWED*By Laura Boivin at 3:43 pm, Jul 03, 2012***REVIEWED***By Todd Vilen at 7:49 am, Jul 06, 2012*

Lab ID: MB1_9888_PCB_TLX

ACQ: 29-Jun-2012 16:41:37 LKB Wt/Vol: 1.00 L

ICAL: MM4_PCB_01102012_26JAN12 CS3_120629_PCB_SB

Client ID: MB #71970

UTP: 03-Jul-2012 12:53 LKB

J-level: 10 pg/L Split: 1

Checkcode: 760-674-PZJ

Datafile: 120629S09

RPT: 03-Jul-2012 14:56 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00	1.22		ND	8.84E+02	3.26
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00	1.24		ND	8.84E+02	3.14
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00	1.03		ND	8.99E+02	4.58
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00	1.10		ND	8.99E+02	4.33
PCB-118 23'44'5'-PeCB	31.21	J EMPC	1.0008	1.0006	-0.4	1.27E+04	0.39	1.03	5.73	8.99E+02	4.18
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00	0.93		ND	8.99E+02	5.12
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	1.17E+03	4.46
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00	1.05		ND	5.82E+02	3.57
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00	1.08		ND	5.82E+02	2.78
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00	1.04		ND	5.82E+02	3.21
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00	1.11		ND	7.04E+02	2.78
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00	1.05		ND	4.74E+02	3.77
ES PCB-1	9.83		0.7181	0.7172	-0.5	2.87E+06	3.33	1.01	49.1 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	2.90E+06	3.30	1.05	47.8 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	1.78E+06	1.67	0.70	44.2 %	14%	107%
ES PCB-15	17.08		1.2453	1.2460	+0.7	3.59E+06	1.60	1.17	53.1 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	1.79E+06	0.98	0.57	54.6 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	3.46E+06	1.14	1.41	78 %	25%	123%
ES PCB-54	17.30		0.8157	0.8158	+0.1	2.42E+06	0.77	1.32	58.4 %	13%	105%
ES PCB-77	29.23	V	1.3777	1.3781	+0.7	4.79E+06	0.77	1.22	125 %	31%	109%
ES PCB-81	28.76	V	1.3557	1.3559	+0.3	4.83E+06	0.89	1.15	134 %	14%	127%
ES PCB-104	22.01		0.8147	0.8147	0	2.45E+06	1.69	1.69	40.6 %	36%	115%
ES PCB-105	32.16		1.1906	1.1907	+0.2	4.08E+06	1.50	1.21	94.5 %	50%	111%
ES PCB-114	31.63		1.1709	1.1710	+0.2	3.86E+06	1.46	1.23	87.6 %	41%	121%
ES PCB-118	31.19		1.1547	1.1547	0	4.29E+06	1.66	1.25	96.2 %	49%	111%
ES PCB-123	30.92		1.1444	1.1445	+0.2	4.10E+06	1.66	1.33	86.3 %	49%	116%
ES PCB-126	34.78	V	1.2871	1.2874	+0.6	5.23E+06	1.72	1.36	108 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7938	-0.2	3.48E+06	1.23	1.40	67.2 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1036	+0.2	8.37E+06	1.29	1.13	100 %	40%	120%
ES PCB-167	36.35		1.0753	1.0753	0	3.99E+06	1.27	1.13	95.5 %	45%	118%
ES PCB-169	40.04		1.1842	1.1844	+0.5	3.93E+06	1.29	1.14	93.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7202	-0.4	3.64E+06	1.07	1.34	73.6 %	23%	125%
ES PCB-189	42.16		0.9598	0.9598	0	5.13E+06	1.06	1.77	90.4 %	47%	116%
ES PCB-202	36.15		0.8230	0.8229	-0.2	3.88E+06	0.90	1.27	82.6 %	31%	134%
ES PCB-205	44.33		1.0090	1.0090	0	4.19E+06	0.86	1.25	104 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0424	0	3.30E+06	0.76	1.07	96.2 %	38%	122%
ES PCB-208	41.76		0.9508	0.9507	-0.3	3.66E+06	0.81	1.34	85.1 %	31%	126%
ES PCB-209	47.15		1.0732	1.0733	+0.3	3.77E+06	1.19	1.18	99.1 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9272	+0.4	3.69E+06	1.12	0.98	109 %	14%	131%
CS/SS PCB-111	29.29		1.0843	1.0843	0	4.09E+06	1.67	0.90	111 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0117	-0.2	2.72E+06	1.14	0.65	115 %	57%	125%
CS PCB-28	19.66		0.9269	0.9272	+0.4	3.69E+06	1.12	1.39	85 %	14%	131%
CS PCB-111	29.29		1.0843	1.0843	0	4.09E+06	1.67	1.19	95.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0117	-0.2	2.72E+06	1.14	0.87	84.9 %	57%	125%
JS PCB-9	13.71					5.77E+06	1.63				
JS PCB-52	21.21					3.14E+06	0.78				
JS PCB-101	27.01					3.58E+06	1.55				
JS PCB-138	33.81					3.69E+06	1.21				
JS PCB-194	43.93					3.21E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	8.24		
						Di-CBs	0	0	123		
						Tri-CBs	0	0	9.29		
						Tetra-CBs	0	0	4.24		
						Penta-CBs	18.6	37.3	5.05		
						Hexa-CBs	0	0	3.41		
						Hepta-CBs	0	0	3.18		
						Octa-CBs	0	0	2.8		
						Nona-CBs	0	0	4.03		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.35E+03	6.97
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.24		ND	2.35E+03	8.68
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13		ND	2.35E+03	9.5
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94		ND	2.13E+04	154
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.63		ND	2.13E+04	89.5
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	1.00		ND	1.87E+04	92.3
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.17		ND	1.87E+04	79.1
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.07		ND	1.87E+04	86.6
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	1.08		ND	1.87E+04	85.5
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.17		ND	1.87E+04	79.4
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.28		ND	1.87E+04	72.2
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00	1.06		ND	1.87E+04	87.8
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	1.11		ND	1.87E+04	83.7
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01		ND	1.87E+04	92.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.50E+03	11.8
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00	1.24		ND	1.50E+03	9.66
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00	1.03		ND	1.50E+03	11.6
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00	1.40		ND	1.50E+03	8.55
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00	1.34		ND	1.50E+03	8.97
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00	0.81		ND	1.50E+03	14.8
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00	1.49		ND	1.50E+03	8.02
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00	1.27		ND	1.45E+03	6.35
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00	1.33		ND	1.45E+03	6.08
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00	1.34		ND	1.45E+03	6.03
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00	1.34		ND	1.45E+03	6.02
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00	1.38		ND	1.45E+03	5.84
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8542	-		0.00E+00	1.32		ND	1.45E+03	6.1
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00	1.36		ND	1.45E+03	5.94
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00	1.23		ND	1.45E+03	6.55
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00	1.31		ND	1.45E+03	6.17
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00	1.39		ND	1.45E+03	5.82
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00	1.21		ND	1.45E+03	6.67
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00	1.19		ND	1.45E+03	6.78
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00	1.20		ND	1.45E+03	6.73
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00	0.93		ND	7.40E+02	5.33
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00	0.76		ND	7.75E+02	4.52
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00	0.65		ND	7.75E+02	5.29
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00	0.76		ND	7.75E+02	4.52
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00	0.61		ND	7.75E+02	5.64
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00	0.69		ND	7.75E+02	4.93
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00	0.94		ND	7.75E+02	3.64
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00	0.63		ND	7.75E+02	5.43
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00	0.88		ND	7.75E+02	3.88
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00	0.71		ND	7.75E+02	4.8
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00	0.77		ND	7.75E+02	4.45
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00	0.98		ND	7.75E+02	3.49
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00	0.68		ND	7.75E+02	5
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00	0.61		ND	7.75E+02	5.64
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00	0.74		ND	7.75E+02	4.61
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00	1.03		ND	7.75E+02	3.32
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00	1.27		ND	8.84E+02	3.07
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00	1.38		ND	8.84E+02	2.83
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00	1.23		ND	8.84E+02	3.17
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00	1.25		ND	8.84E+02	3.12
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00	1.28		ND	8.84E+02	3.04
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00	1.36		ND	8.84E+02	2.87
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00	1.28		ND	8.84E+02	3.06
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00	1.18		ND	8.84E+02	3.32
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00	1.25		ND	8.84E+02	3.13

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.17	ND	8.84E+02	3.34
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	8.84E+02	3.13
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	8.84E+02	2.79
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	8.84E+02	2.95
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	8.84E+02	3.43
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	9.74E+02	7.62
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	9.74E+02	8.03
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	8.99E+02	5.65
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	8.99E+02	6.37
PCB-95 22'35'6'-PeCB	24.53	J	0.9082	0.9082	0	1.40E+04	0.67	0.76	8.94	8.99E+02	6.19
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	8.99E+02	5.84
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	8.99E+02	5.9
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	8.99E+02	6.17
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	8.99E+02	6.1
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.83	ND	8.99E+02	5.71
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.68	ND	8.99E+02	6.96
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	8.99E+02	6.68
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	8.99E+02	4.43
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.75	ND	8.99E+02	6.29
PCB-113/90/101 ...-PeCB	27.03	J C	0.9999	1.0008	+1.5	1.72E+04	0.66	0.87	9.63	8.99E+02	5.42
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.99E+02	7.64
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.82	ND	8.99E+02	5.74
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	8.99E+02	4.71
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.89	ND	8.99E+02	5.3
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	8.99E+02	5.81
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.97	ND	8.99E+02	4.88
PCB-110 233'4'6'-PeCB	28.68	EMPC	1.0615	1.0616	+0.2	2.37E+04	0.47	0.89	13	8.99E+02	5.32
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	8.99E+02	4.24
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	8.99E+02	7.26
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	8.99E+02	4.53
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	8.99E+02	4.5
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	8.99E+02	4.93
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	8.99E+02	4.99
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	8.99E+02	4.74
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	8.99E+02	4.74
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	8.99E+02	4.66
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.01E+02	4.1
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	8.01E+02	4.52
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	8.01E+02	4.47
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.90	ND	8.01E+02	4.79
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	8.01E+02	4.62
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	8.01E+02	6.09
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.70	ND	8.01E+02	6.2
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	8.01E+02	5.59
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	8.01E+02	6.17

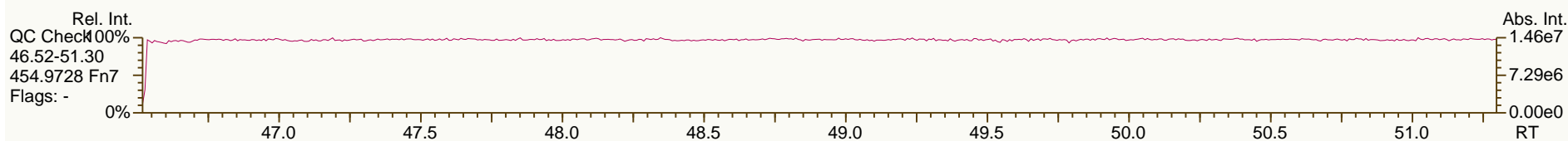
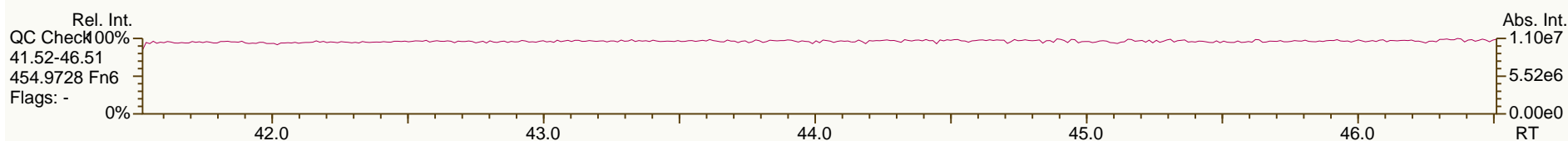
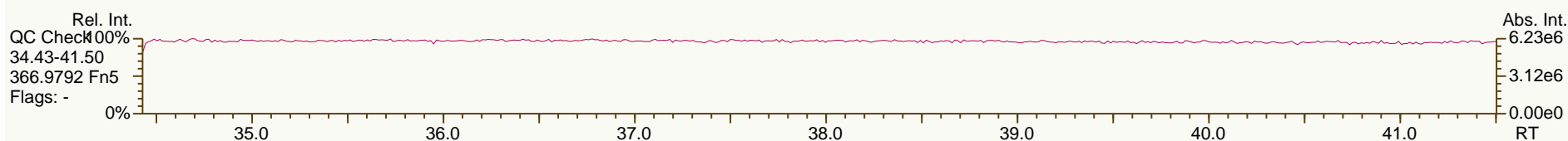
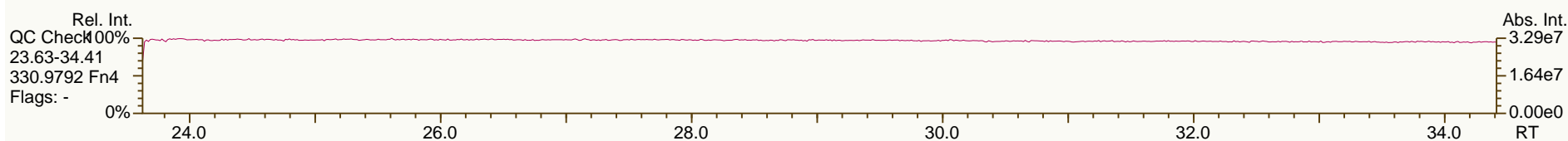
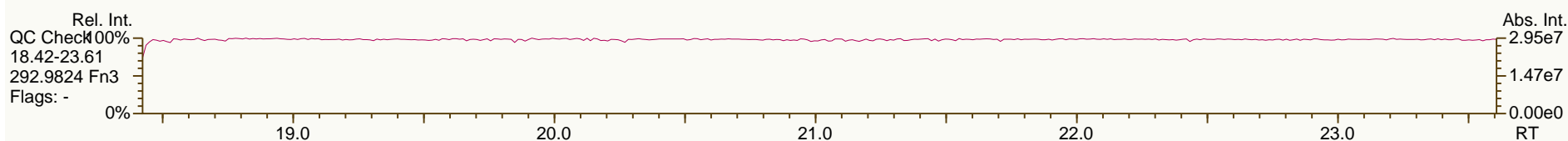
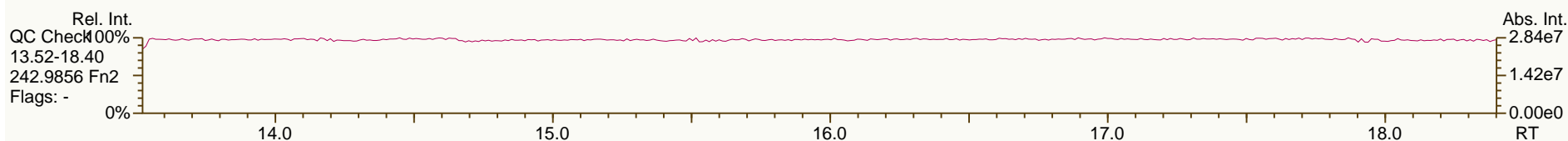
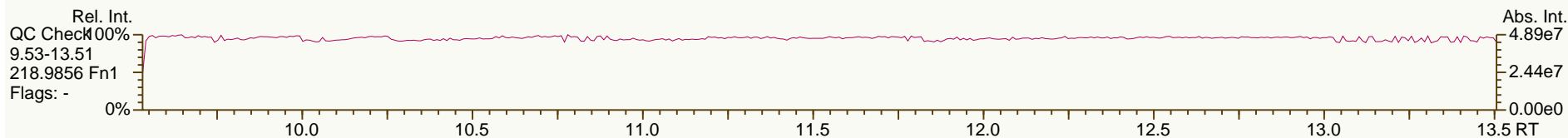
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00	0.71		ND	8.01E+02	6.09
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00	0.55		ND	8.01E+02	7.91
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00	0.72		ND	8.01E+02	6.05
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00	0.73		ND	8.01E+02	5.92
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00	0.61		ND	8.01E+02	7.04
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00	0.63		ND	8.01E+02	6.82
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00	0.64		ND	8.01E+02	6.81
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00	0.66		ND	8.01E+02	6.59
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00	0.80		ND	8.01E+02	5.42
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00	0.71		ND	8.01E+02	6.06
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00	0.88		ND	8.01E+02	4.94
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00	0.89		ND	8.01E+02	4.87
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00	0.68		ND	8.01E+02	6.35
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00	0.58		ND	8.01E+02	7.43
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00	0.73		ND	8.01E+02	5.95
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00	0.85		ND	8.01E+02	5.09
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00	0.72		ND	8.01E+02	5.98
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00	0.84		ND	8.01E+02	5.16
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00	0.94		ND	8.01E+02	4.62
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00	0.95		ND	5.82E+02	3.17
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00	1.07		ND	5.82E+02	2.8
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00	1.09		ND	5.82E+02	2.75
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00	1.07		ND	5.90E+02	2.88
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00	0.97		ND	5.90E+02	3.15
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00	0.96		ND	5.90E+02	3.21
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00	1.07		ND	5.90E+02	2.86
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00	1.00		ND	5.90E+02	3.07
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00	0.73		ND	5.90E+02	4.23
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00	0.77		ND	5.28E+02	3.57
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00	0.79		ND	5.28E+02	3.48
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00	0.81		ND	5.28E+02	3.41
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00	0.91		ND	5.28E+02	3.03
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00	0.72		ND	5.28E+02	3.83
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00	0.65		ND	5.28E+02	4.21
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00	0.67		ND	5.28E+02	4.11
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00	0.79		ND	5.28E+02	3.49
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00	0.70		ND	5.28E+02	3.94
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00	0.66		ND	5.28E+02	3.51
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00	0.85		ND	5.28E+02	2.73
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00	0.84		ND	5.28E+02	2.75
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00	0.89		ND	5.28E+02	2.61
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00	0.70		ND	5.28E+02	3.32
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00	0.91		ND	5.28E+02	2.56
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00	0.83		ND	4.18E+02	2.82
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00	0.94		ND	4.18E+02	2.47

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	4.18E+02	2.61
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	4.18E+02	2.52
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	4.18E+02	2.47
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	4.18E+02	3.48
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	4.18E+02	3.31
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	4.18E+02	3.14
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	5.49E+02	4.39
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.49E+02	4.09
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.49E+02	2.78
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.39E+02	3.82
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.39E+02	3.78
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.39E+02	4.25

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Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

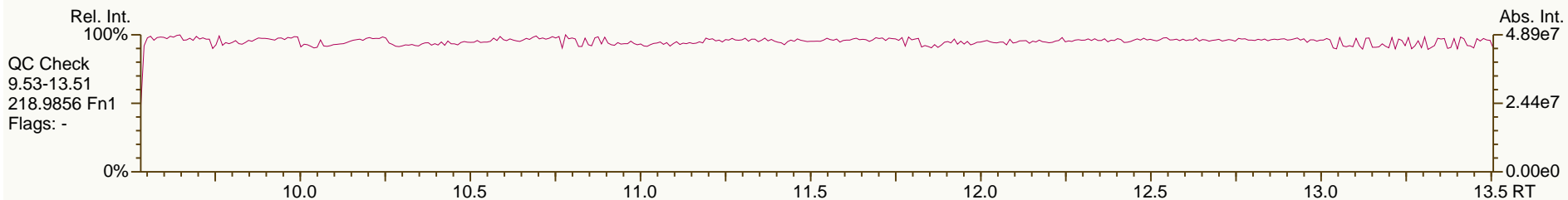
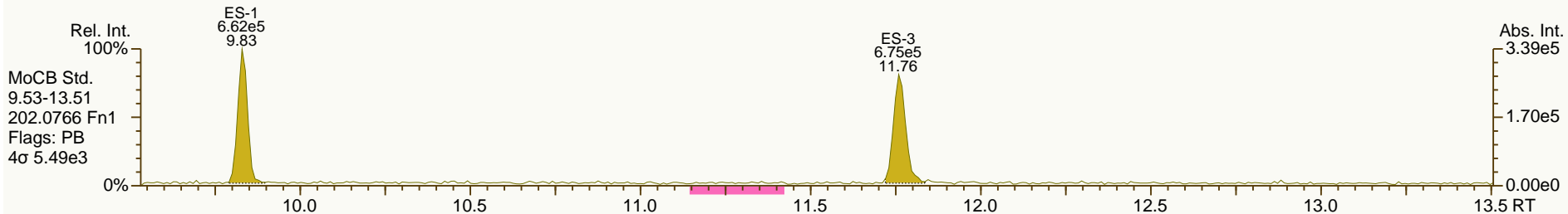
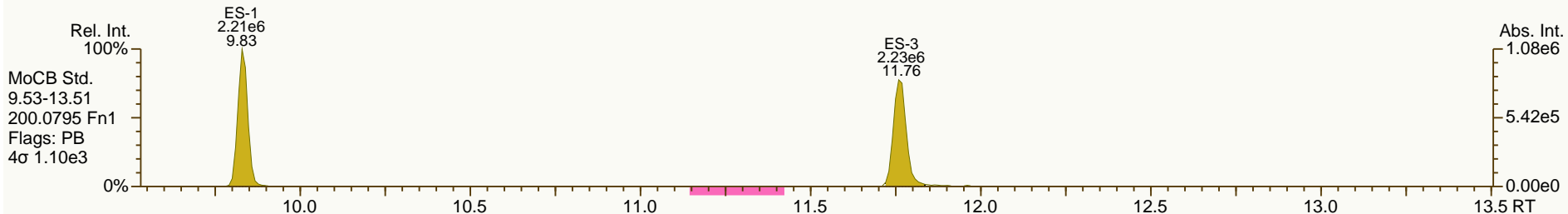
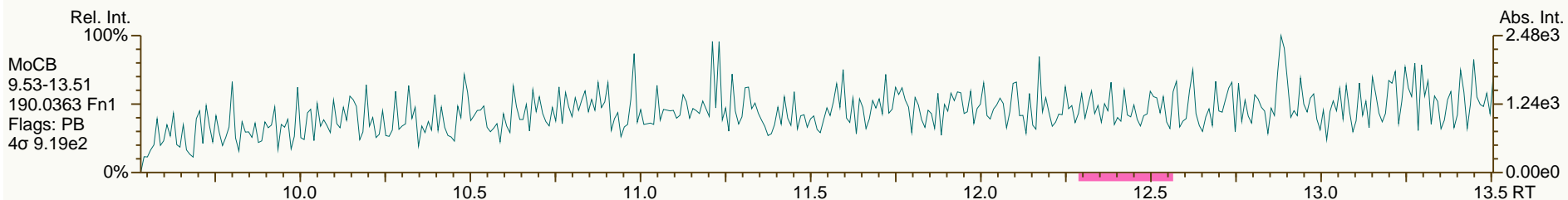
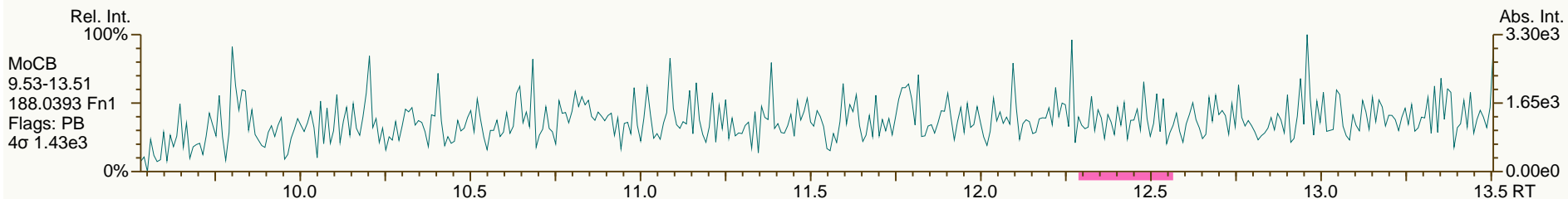
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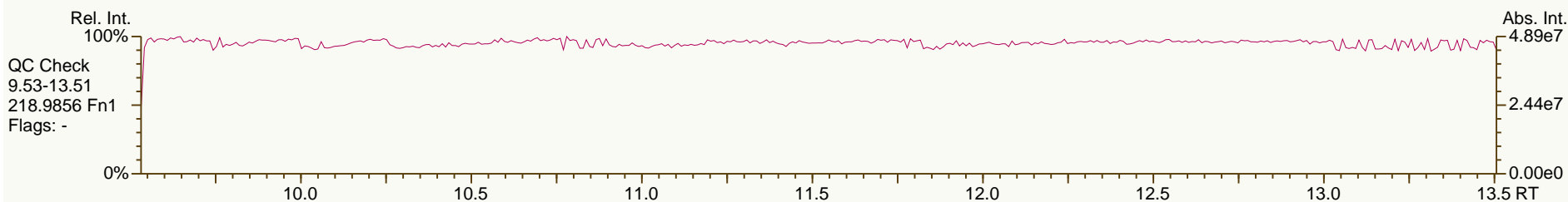
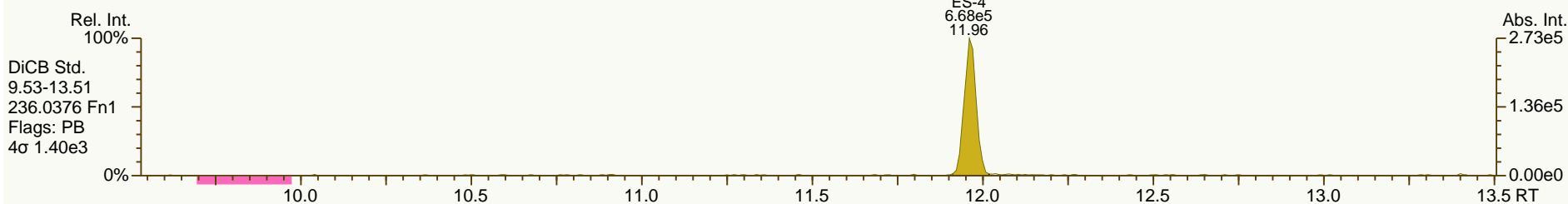
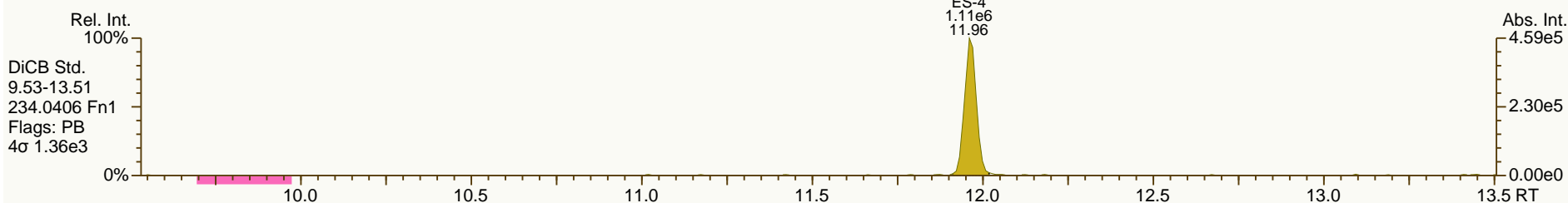
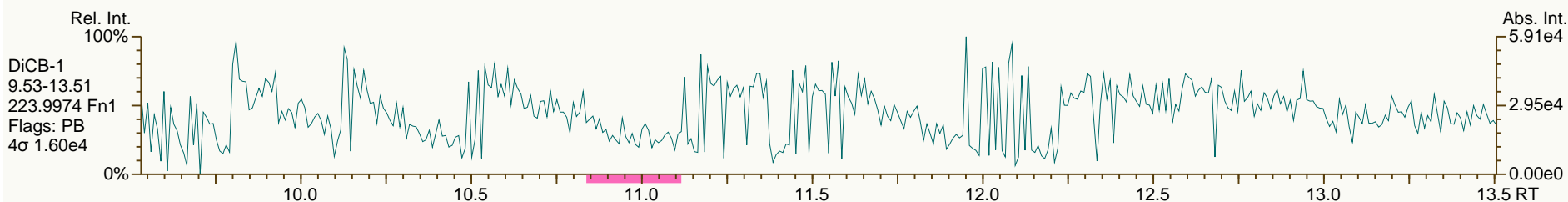
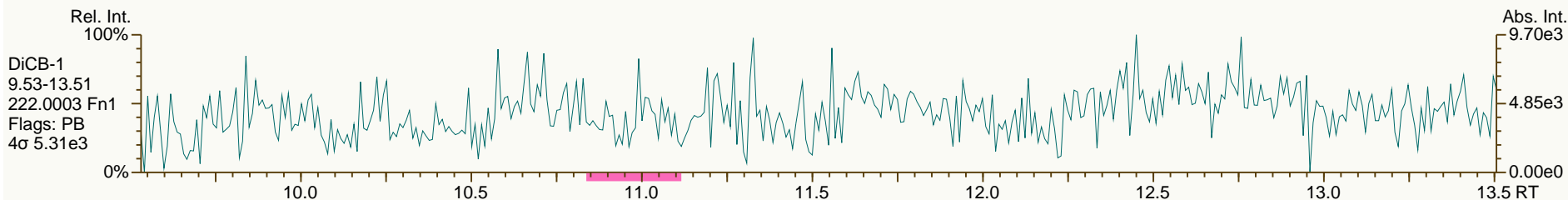
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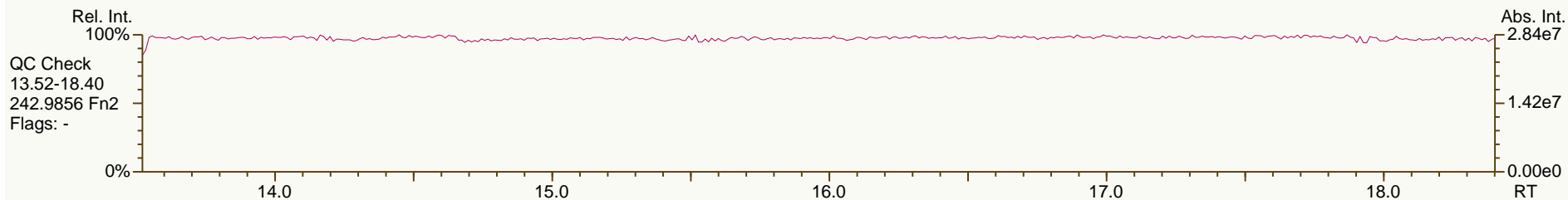
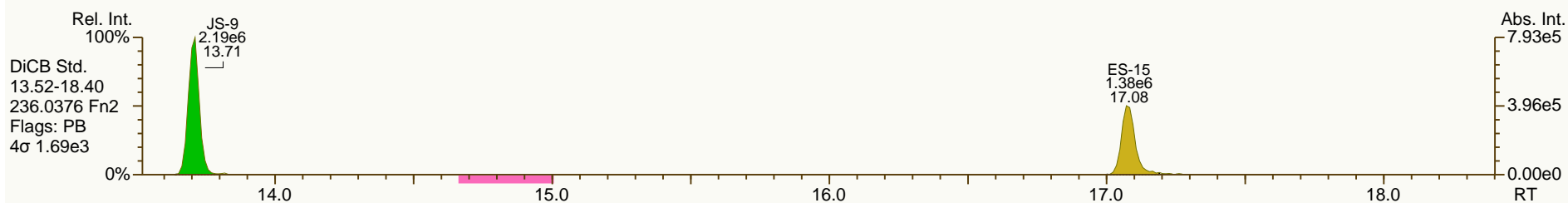
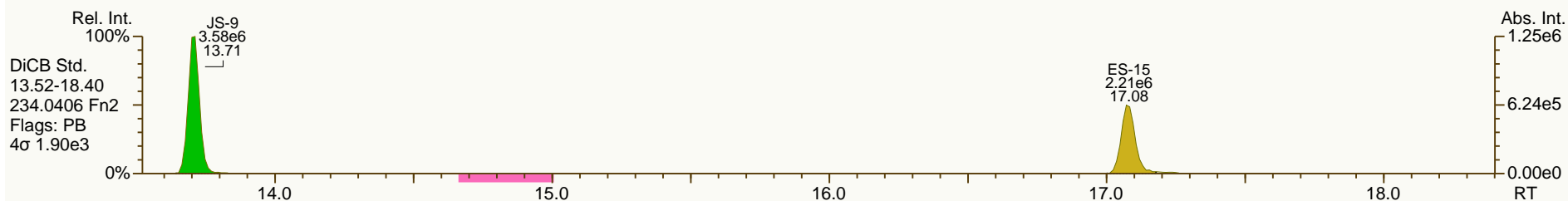
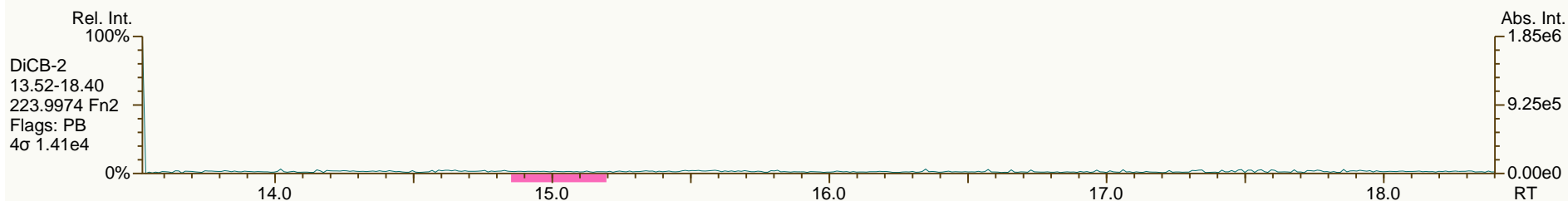
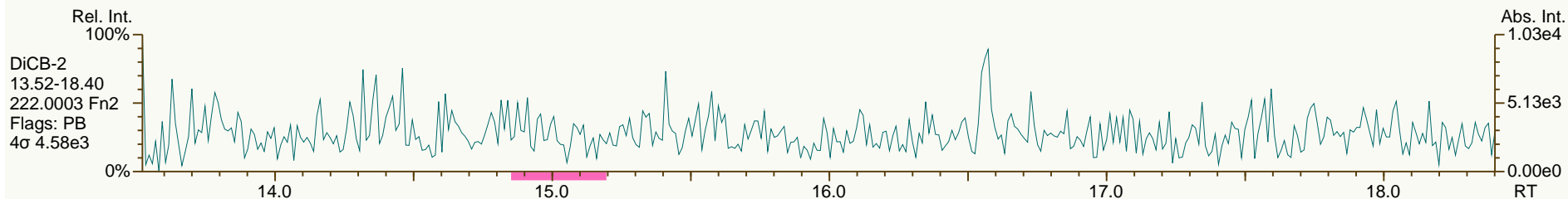
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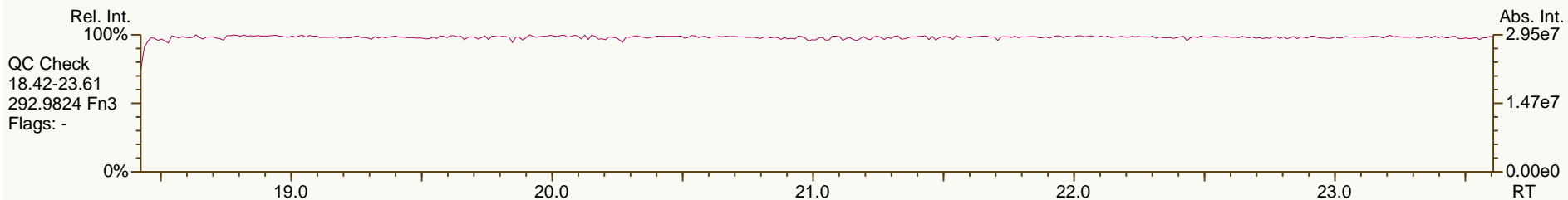
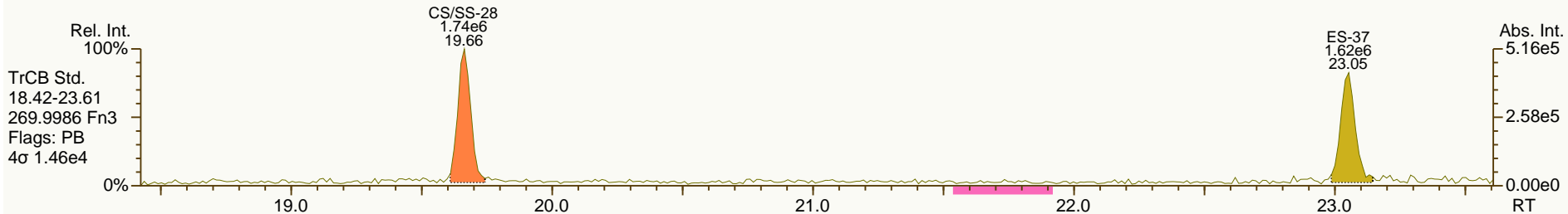
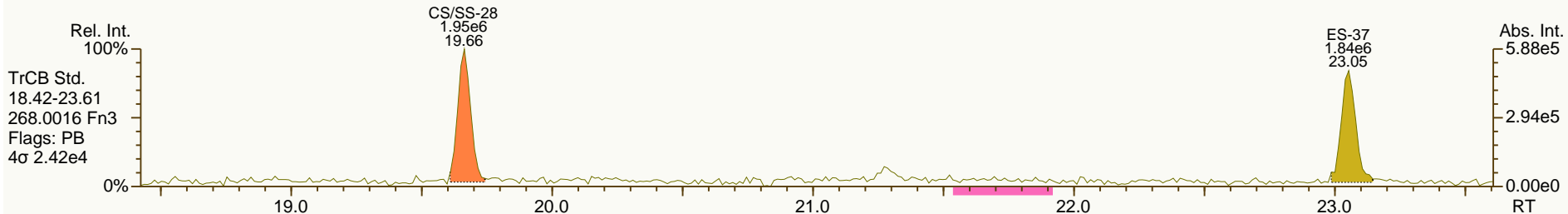
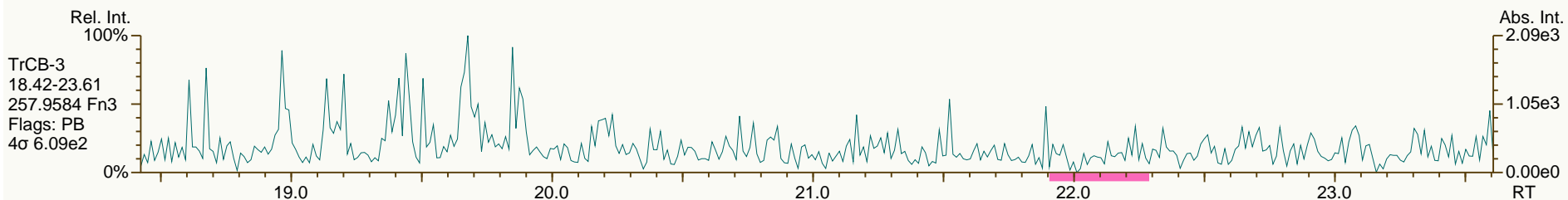
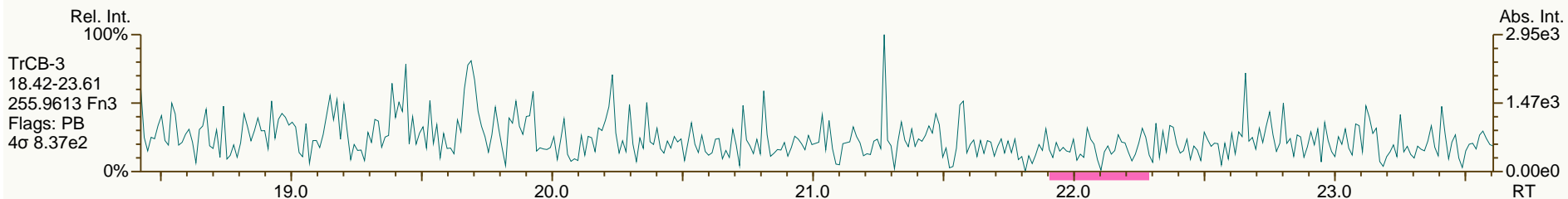
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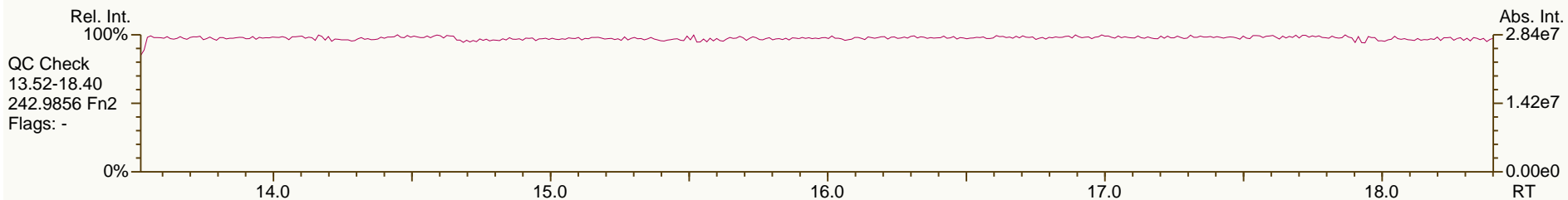
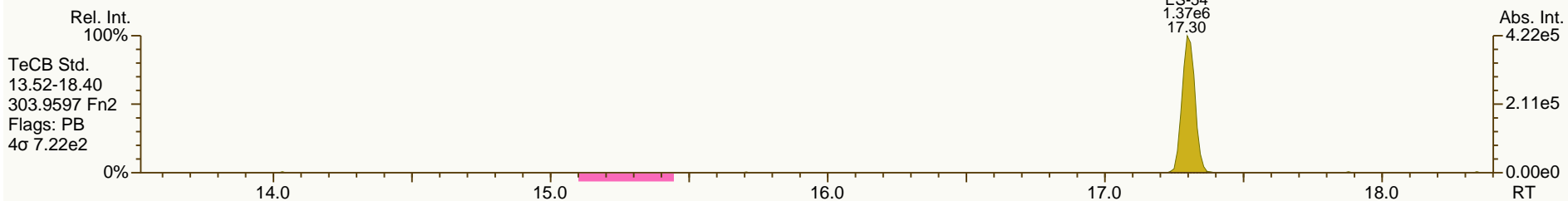
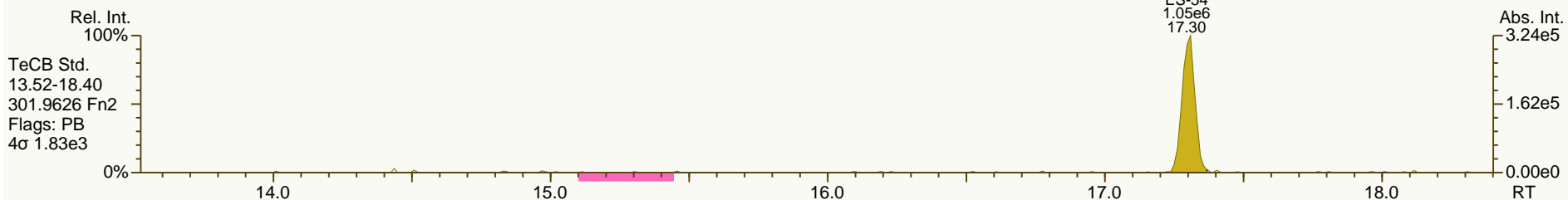
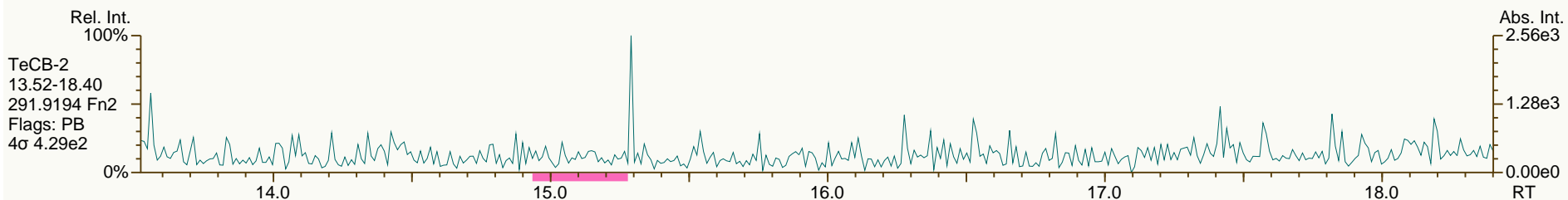
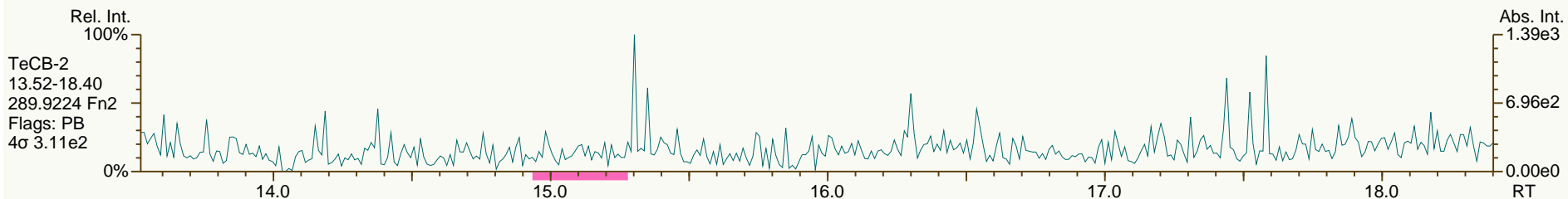
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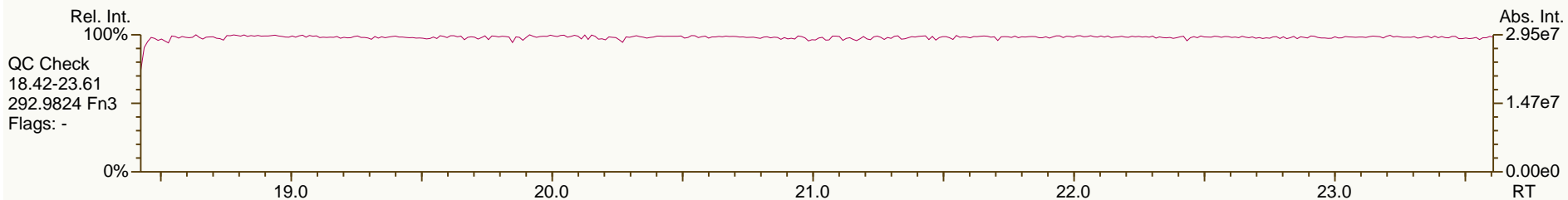
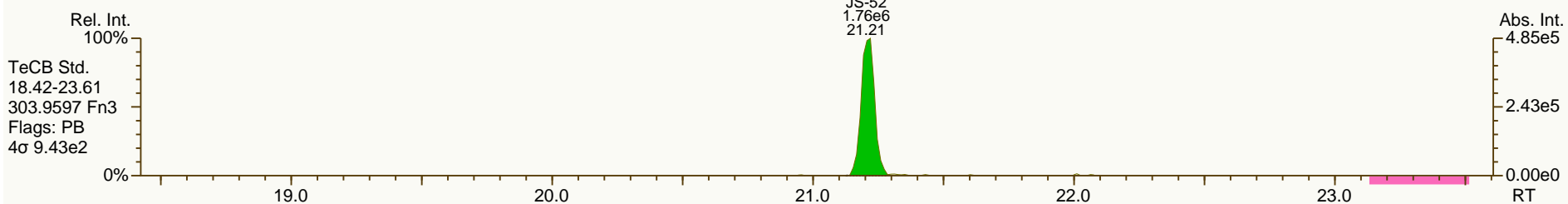
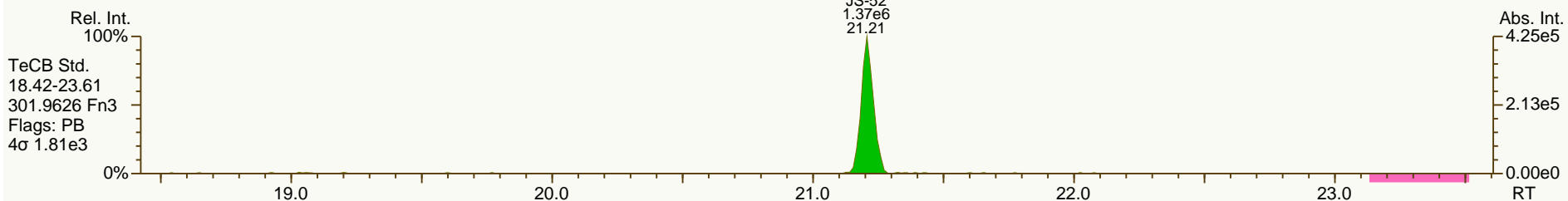
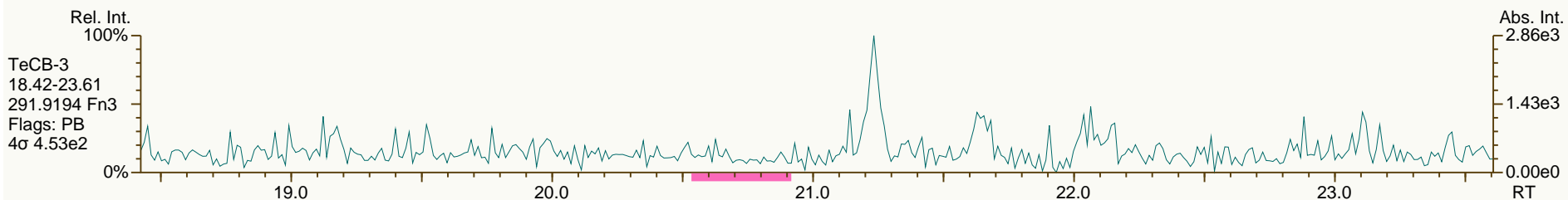
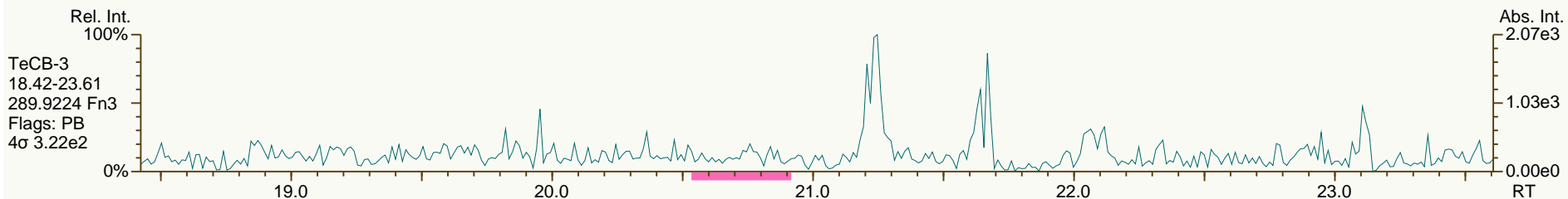
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AP Lab ID: MB1_9888_PCB_TLX
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Sample ID: MB #71970
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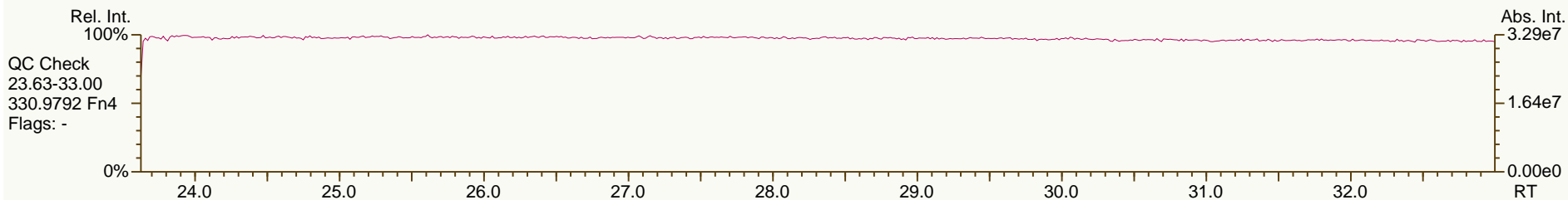
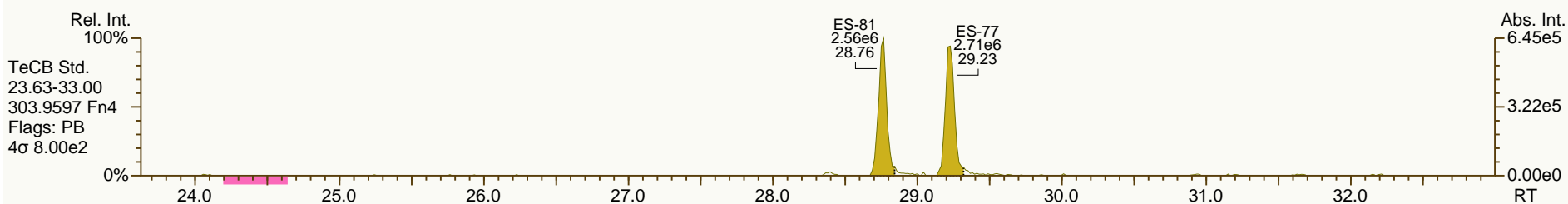
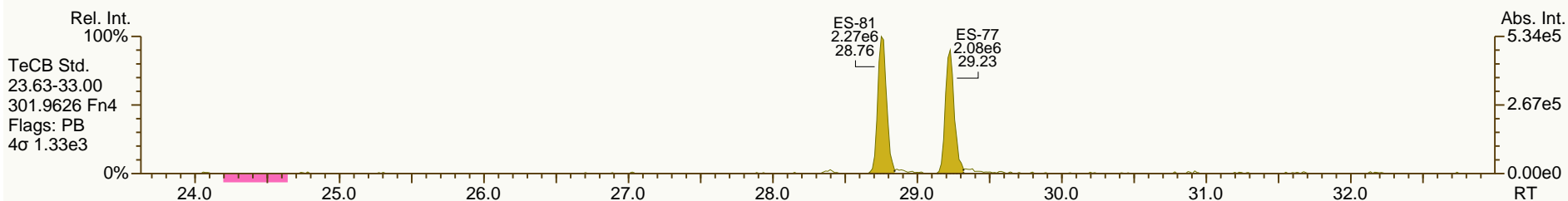
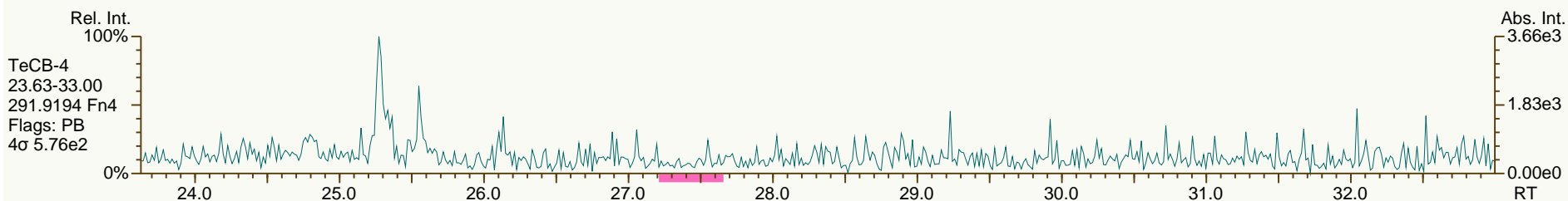
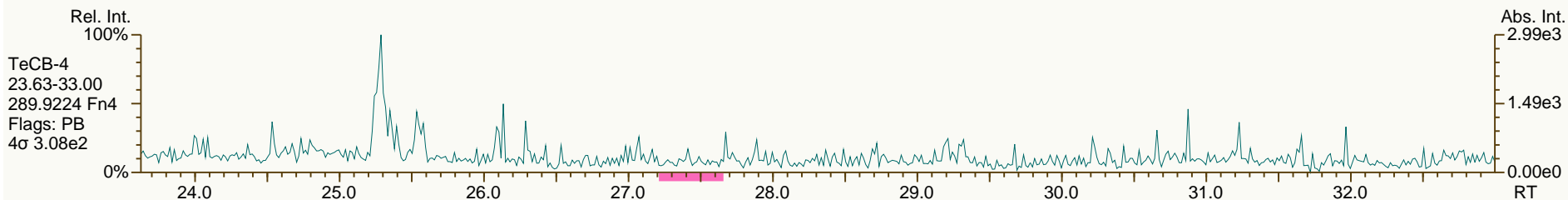
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Sample ID: MB #71970
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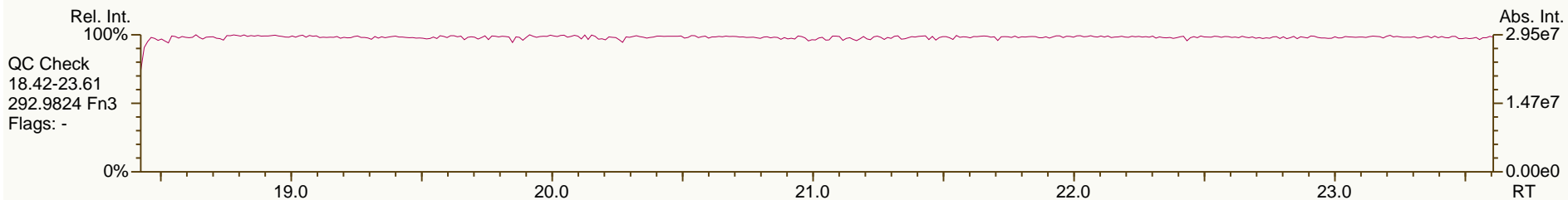
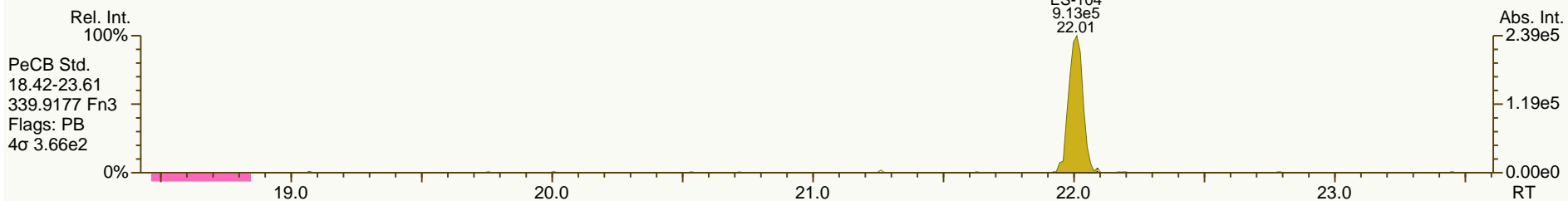
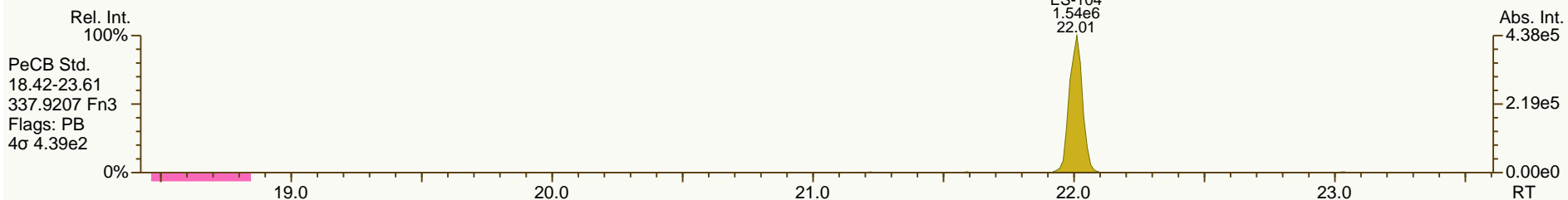
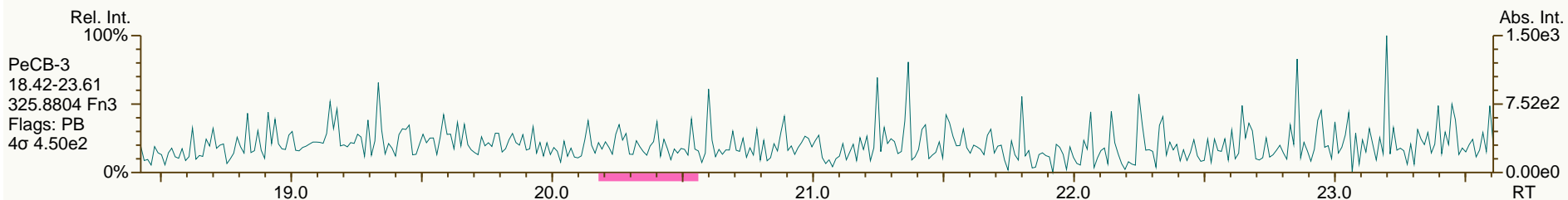
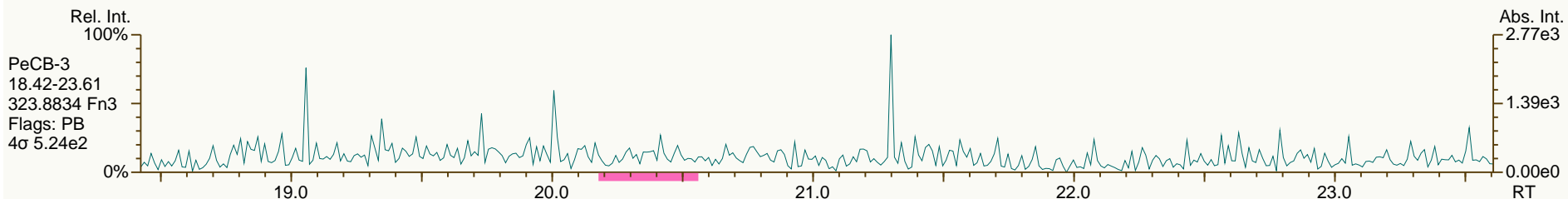
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AP Lab ID: MB1_9888_PCB_TLX
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Sample ID: MB #71970
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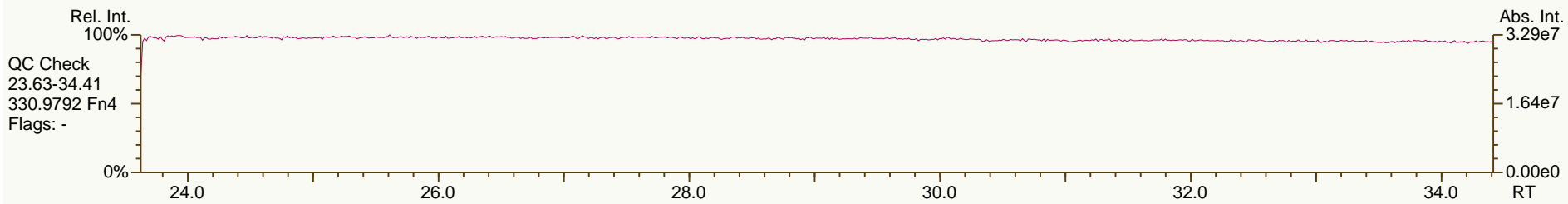
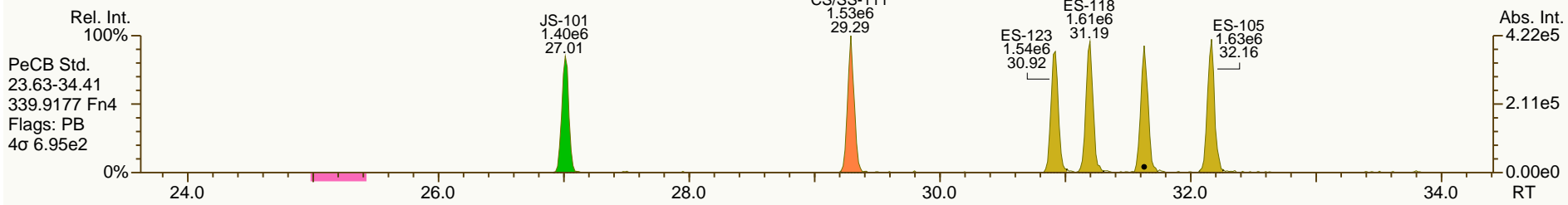
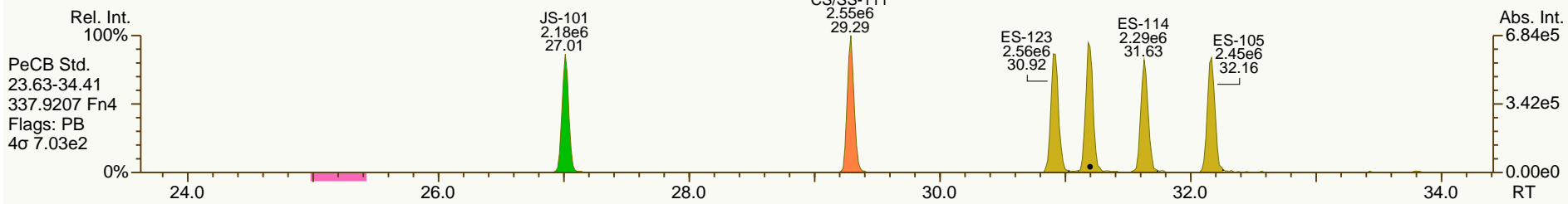
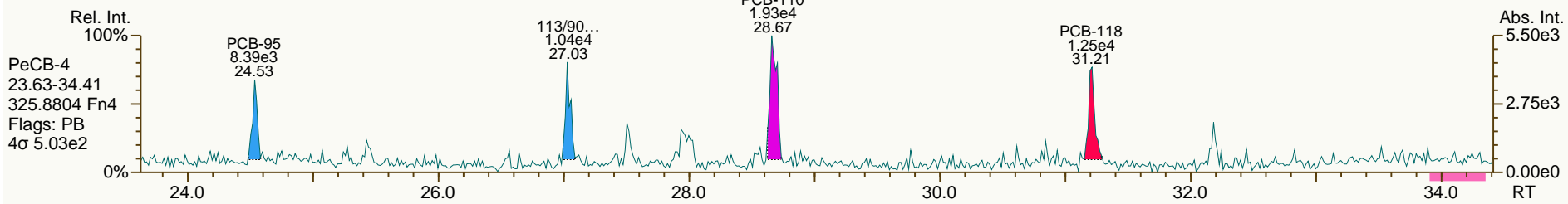
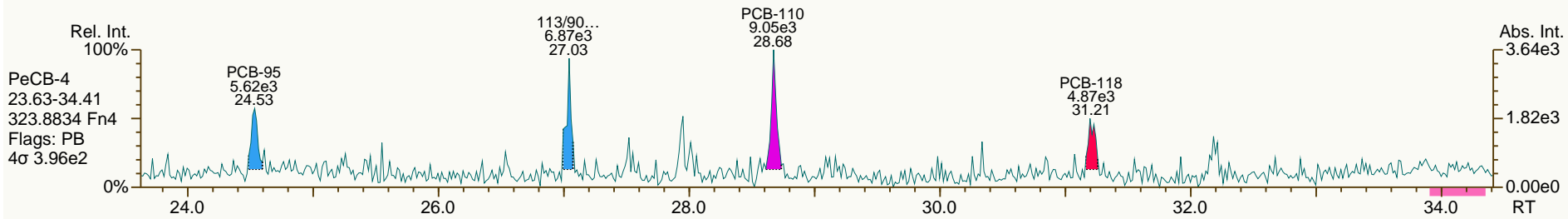
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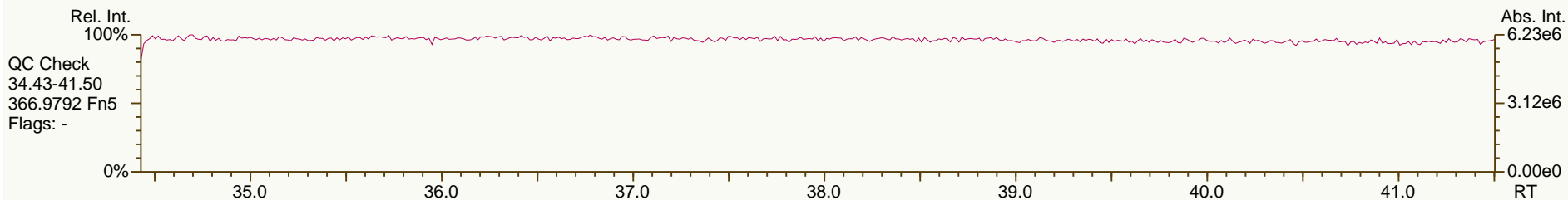
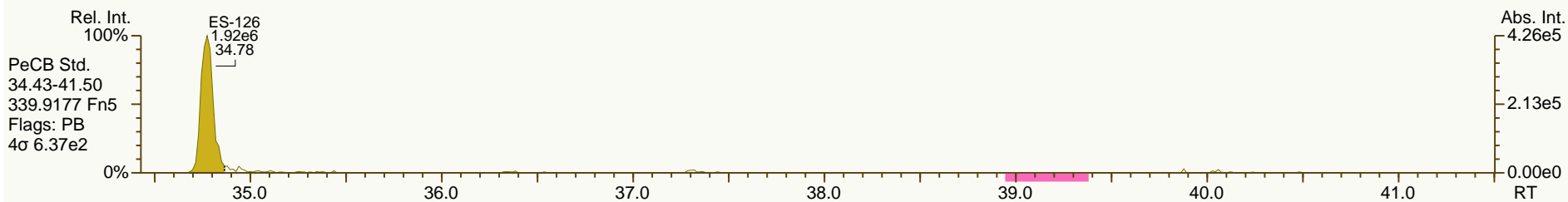
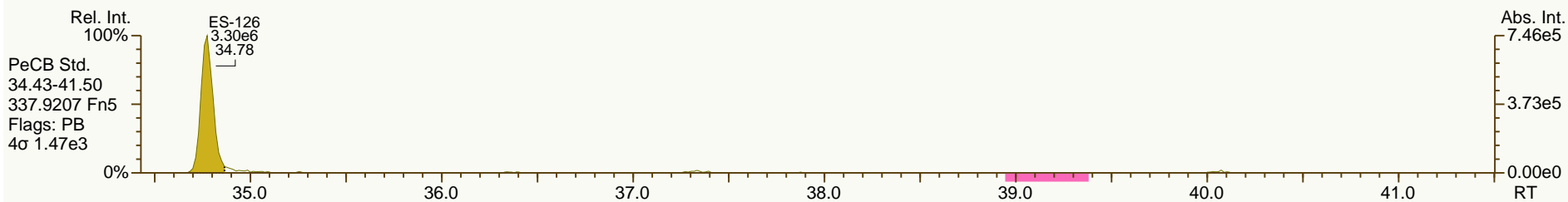
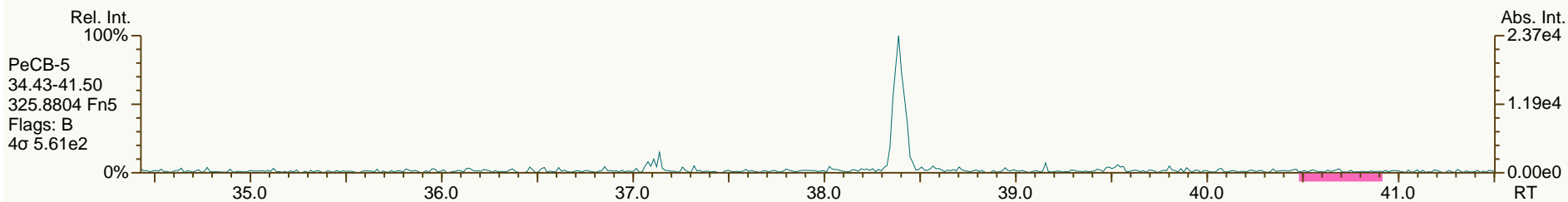
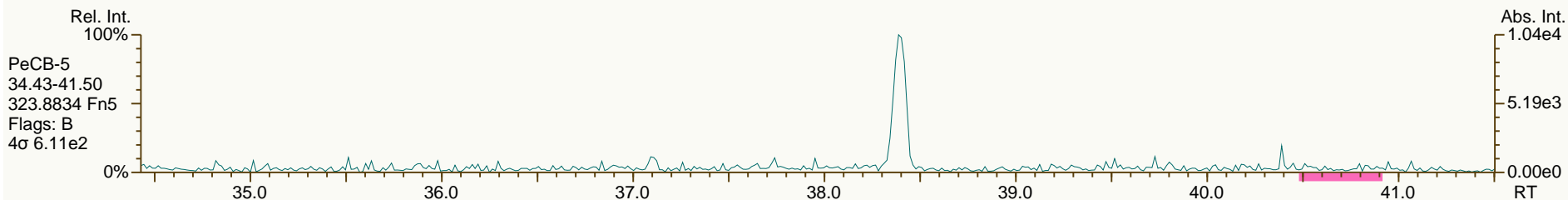
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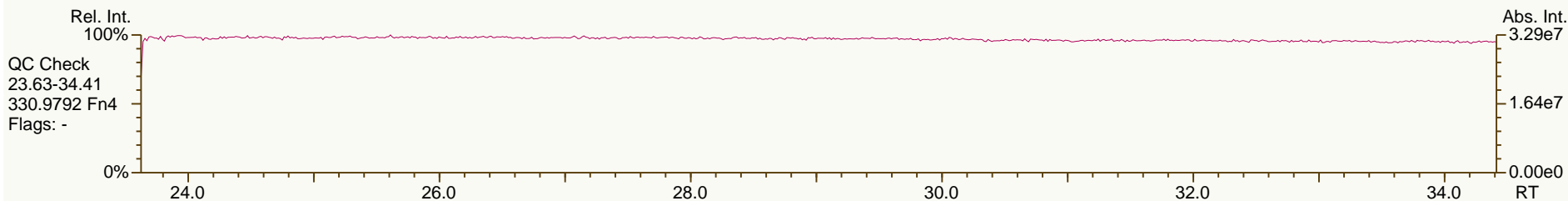
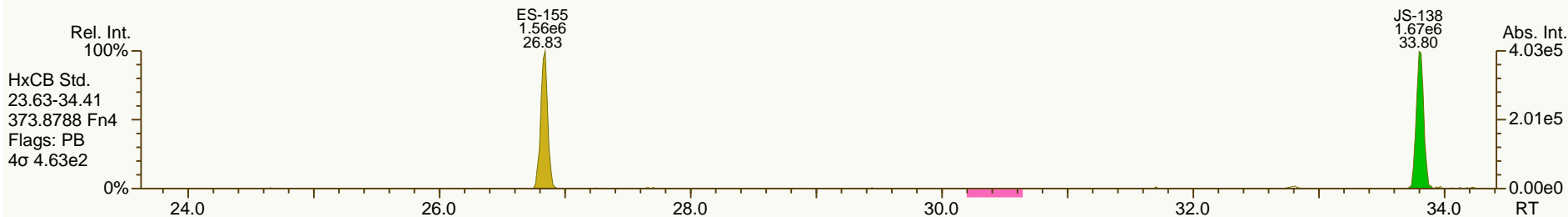
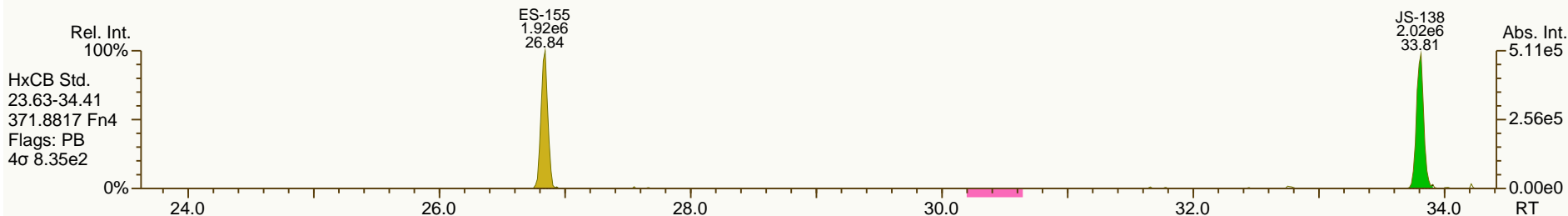
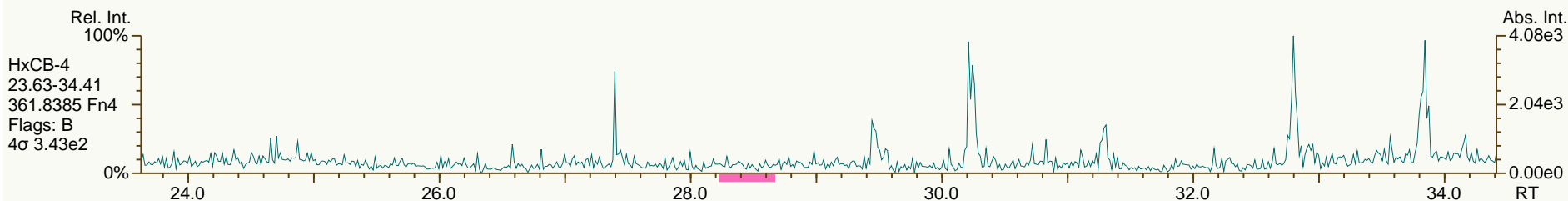
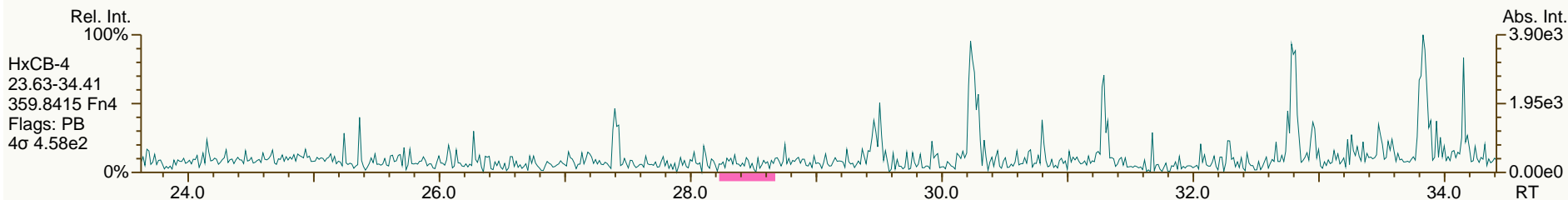
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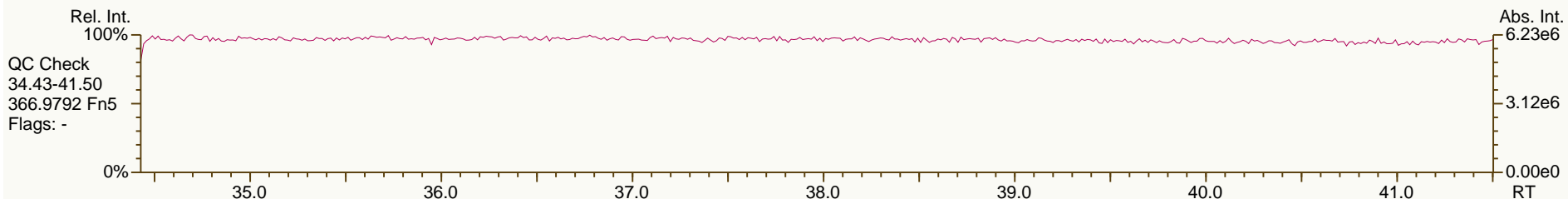
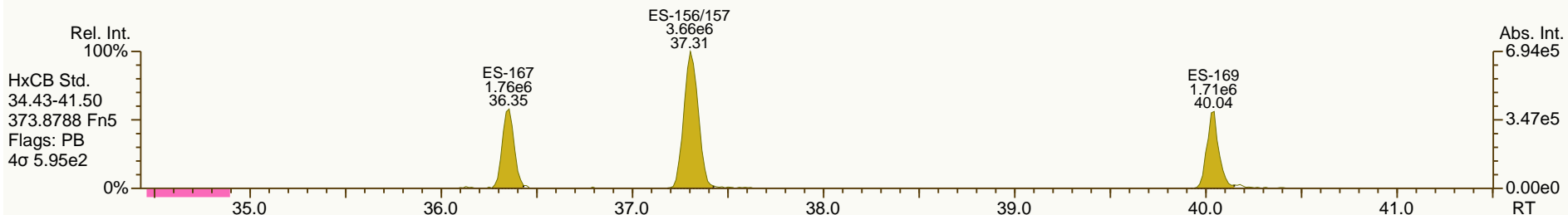
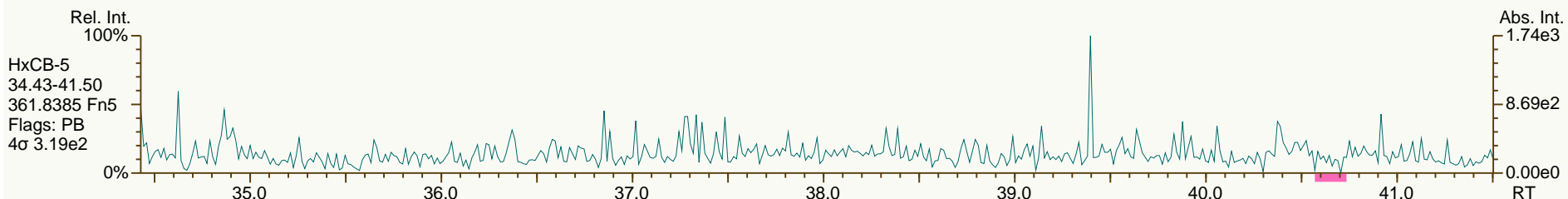
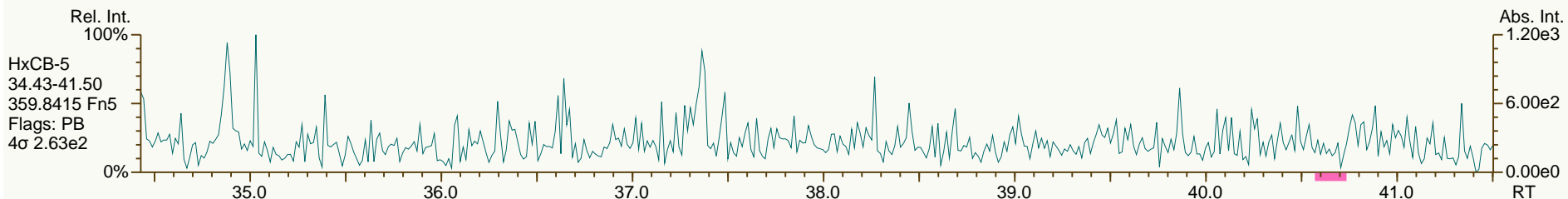
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Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

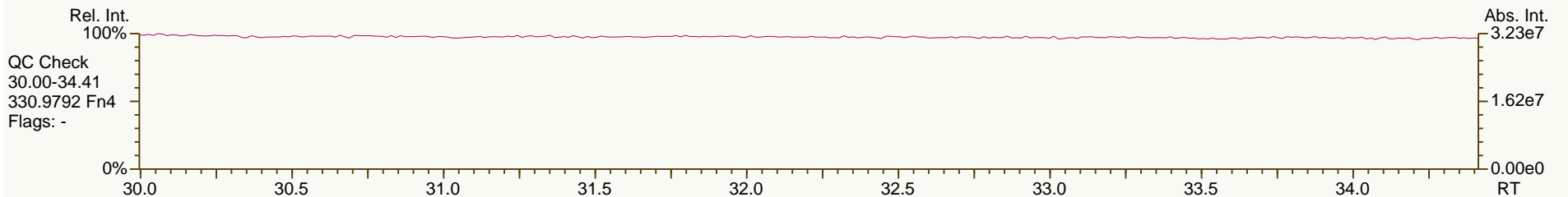
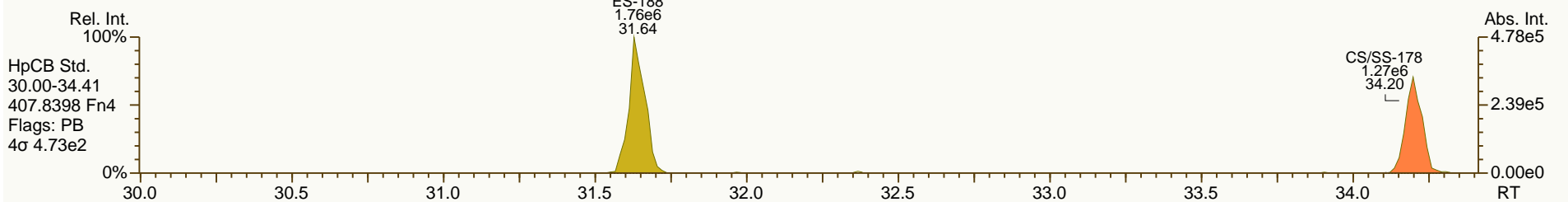
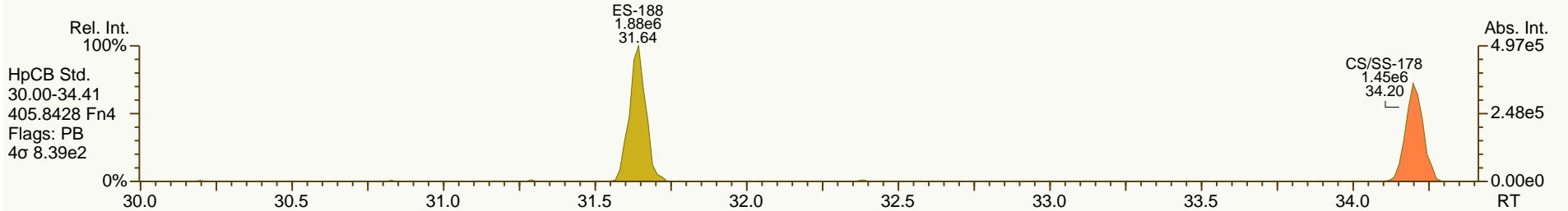
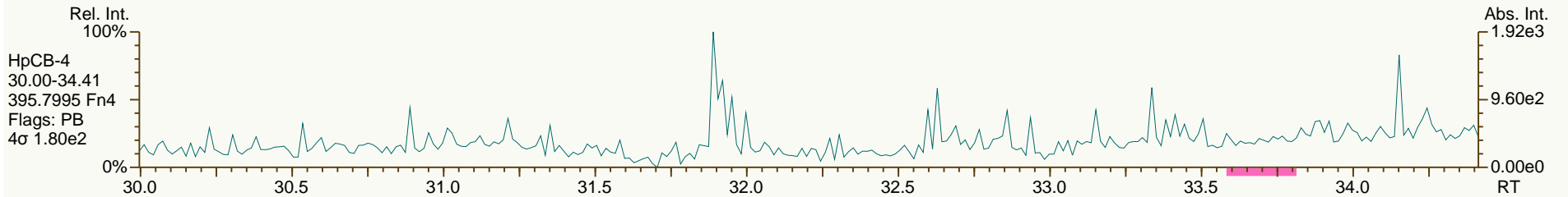
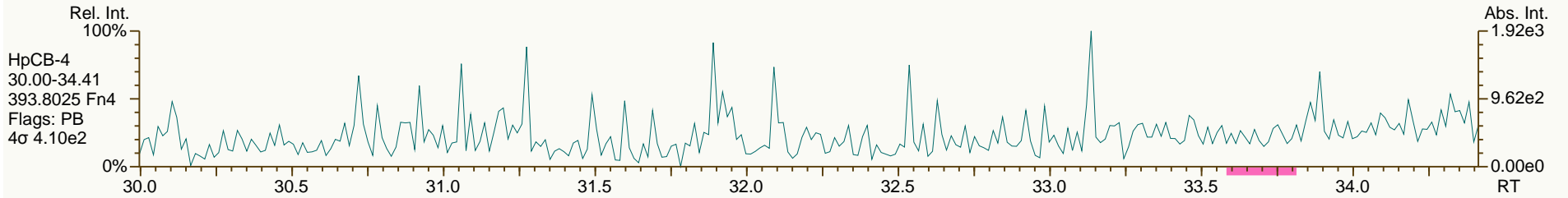
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AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

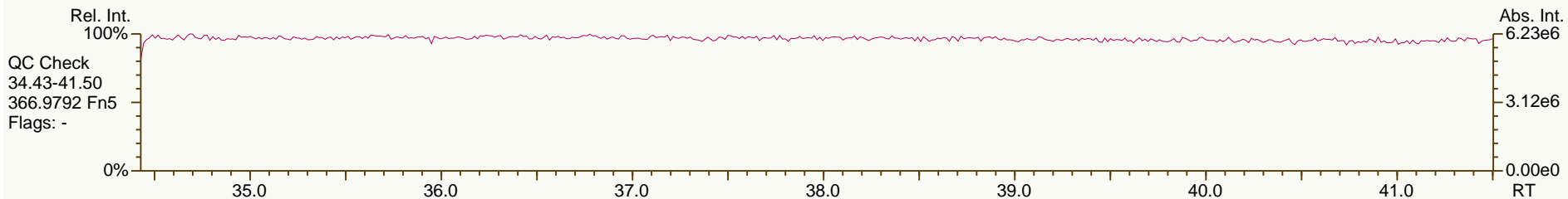
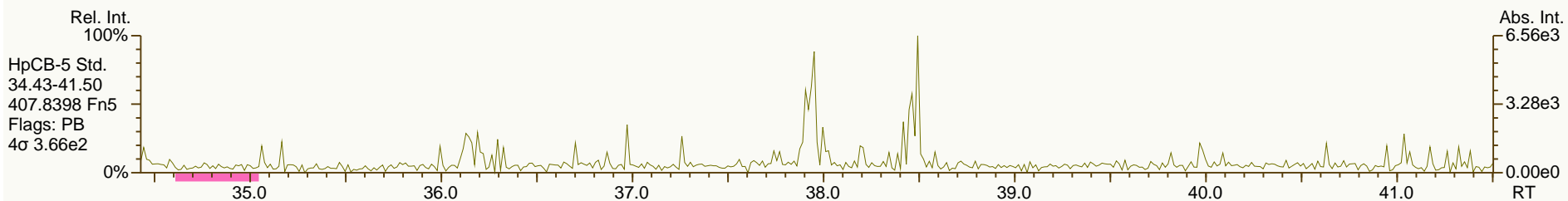
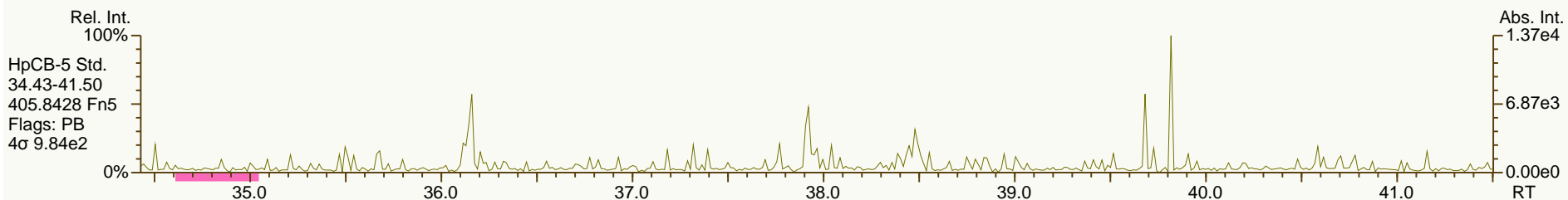
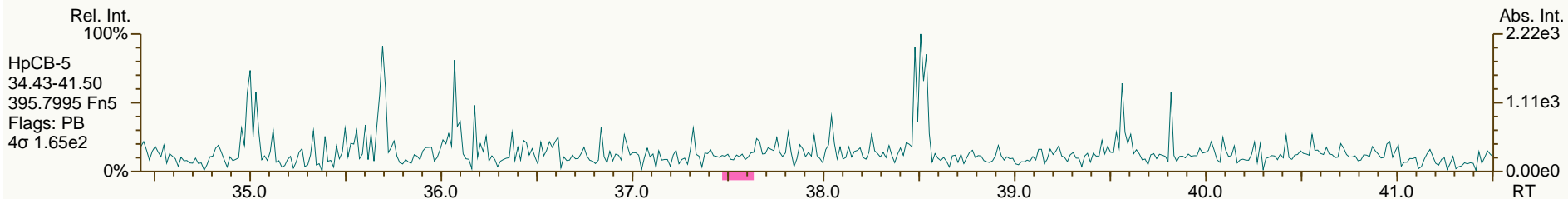
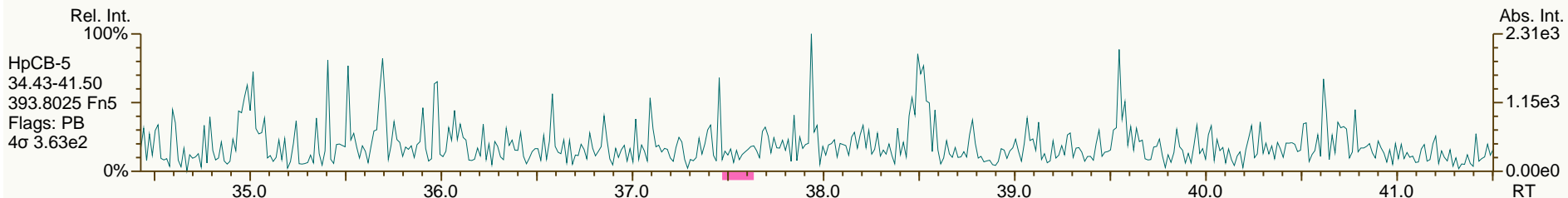
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AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

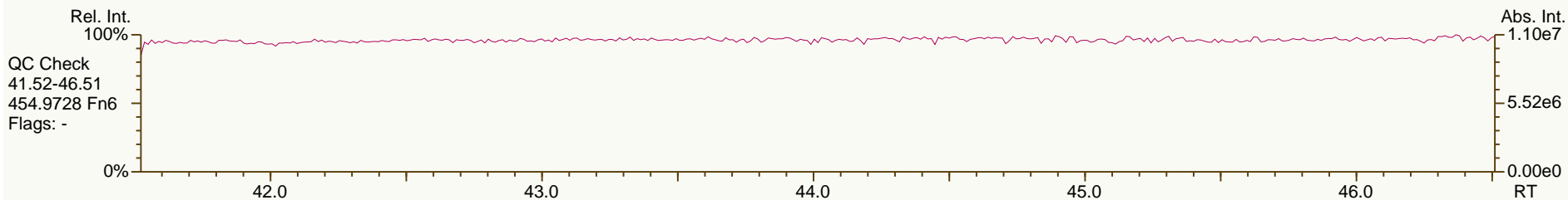
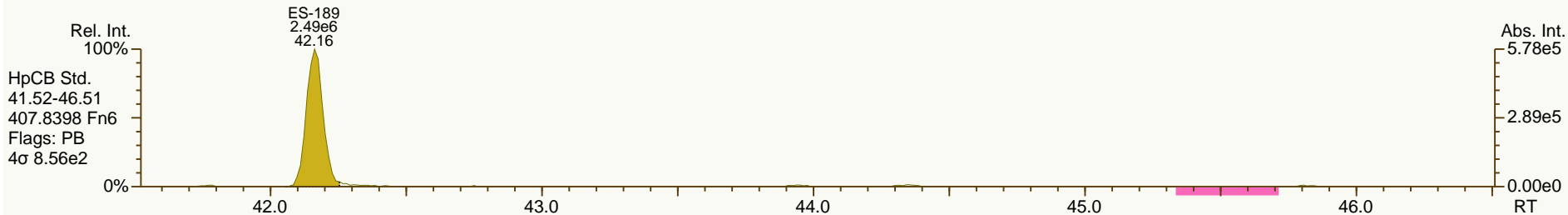
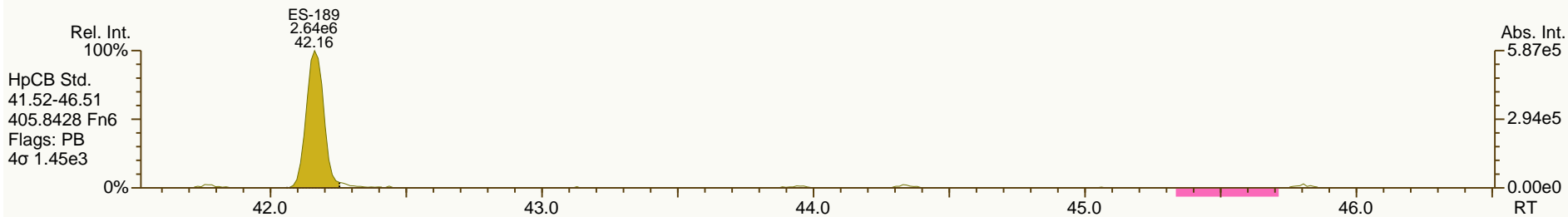
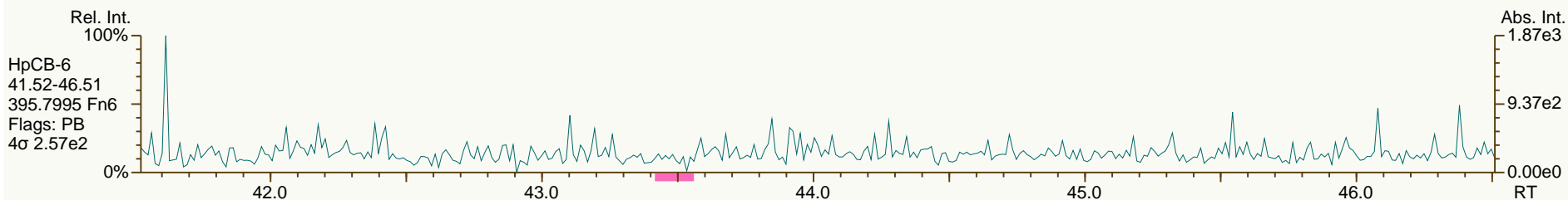
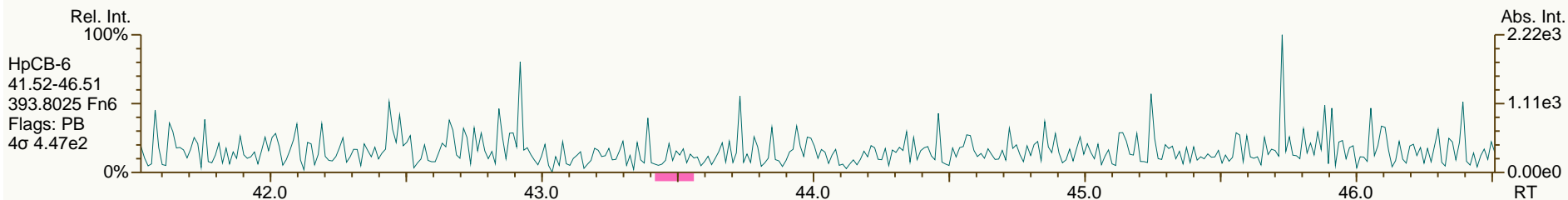
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AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

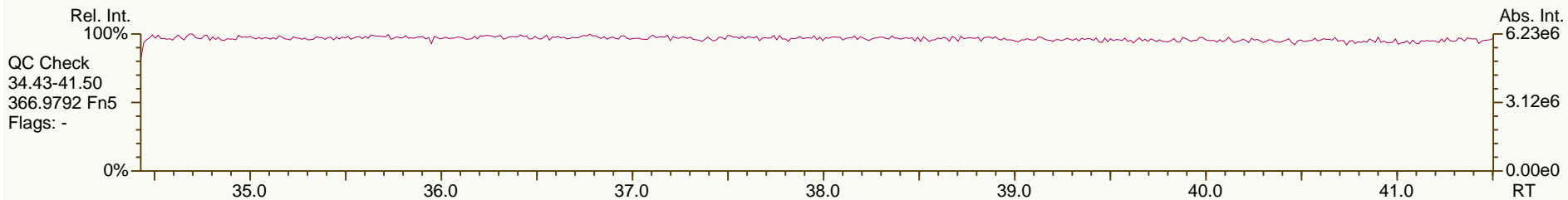
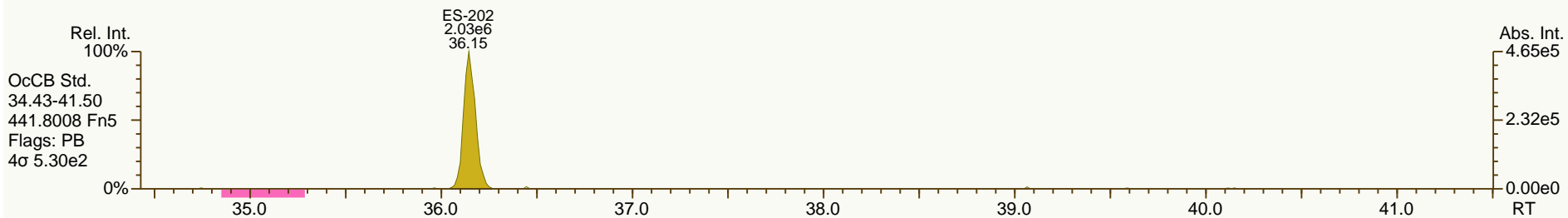
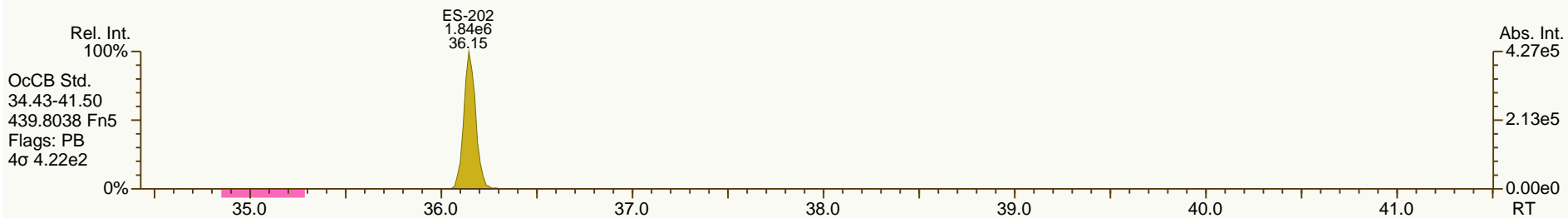
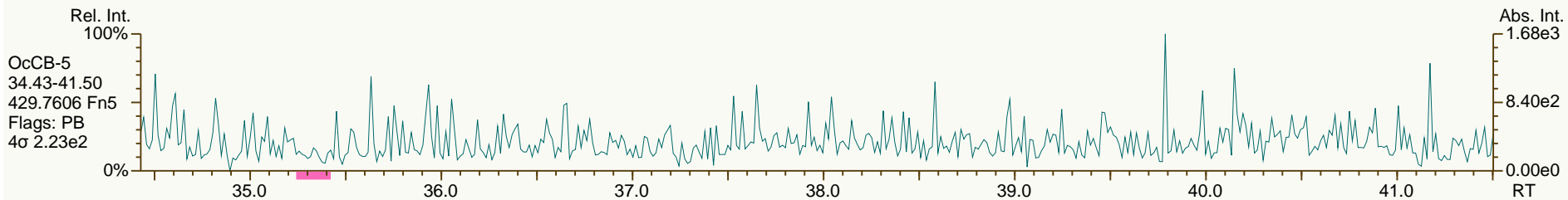
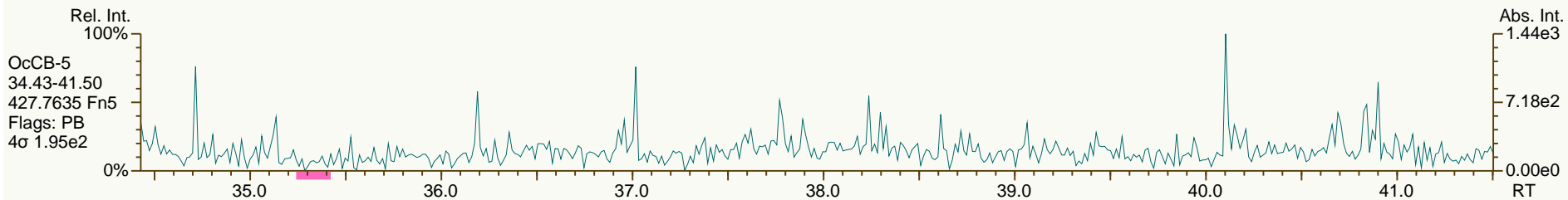
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AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

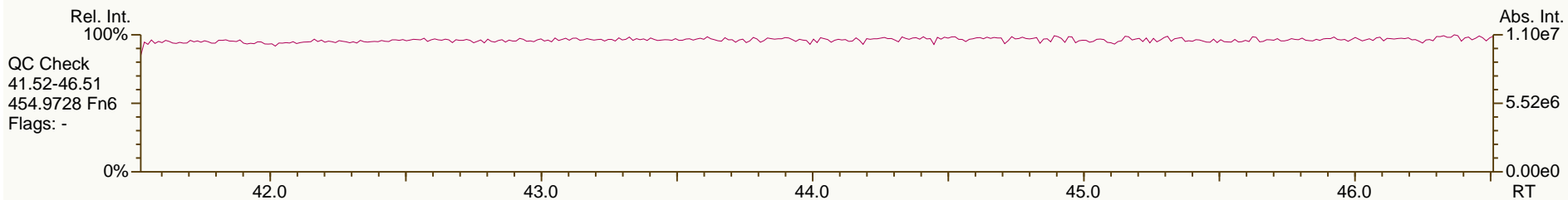
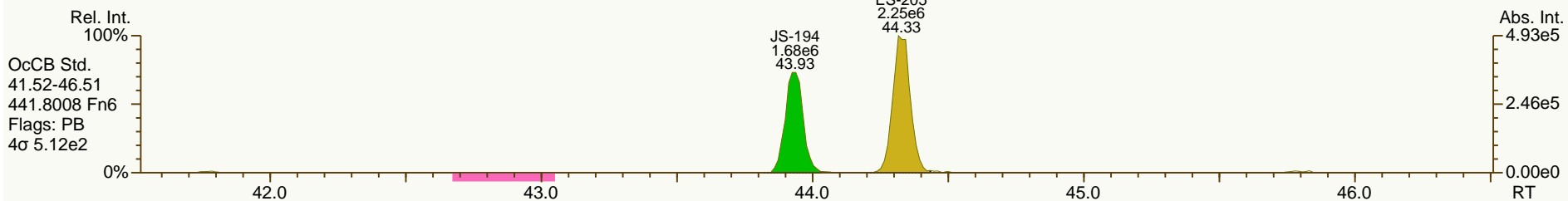
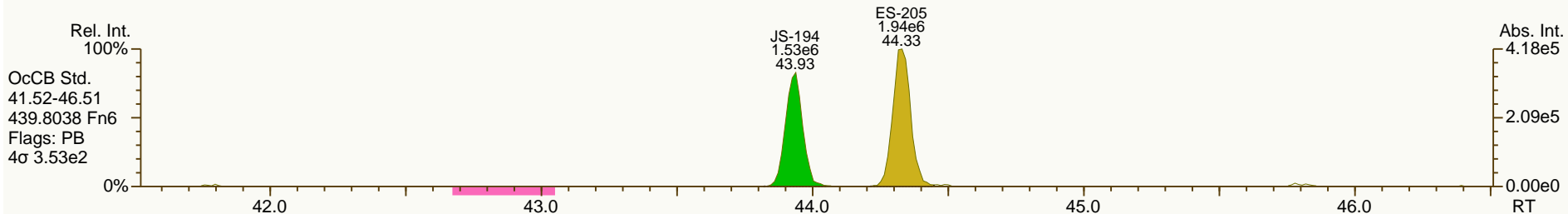
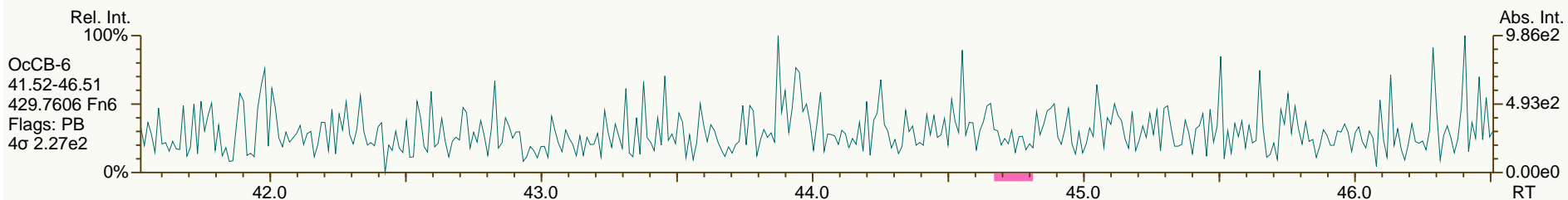
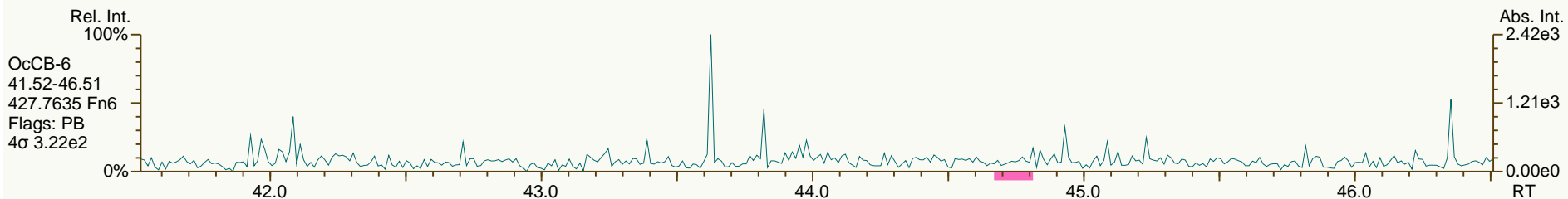
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AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

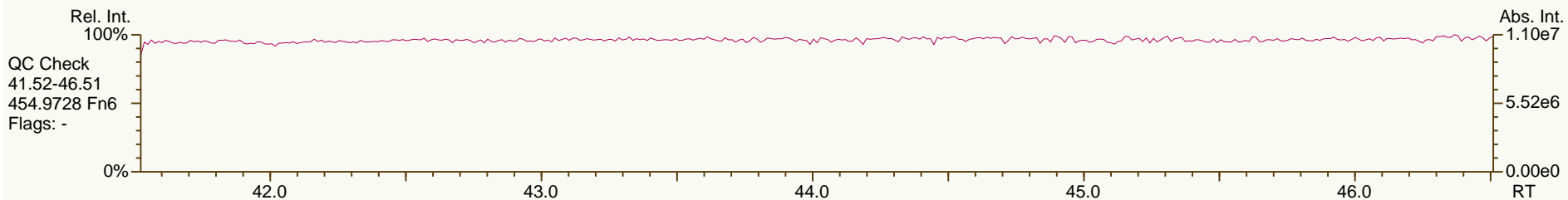
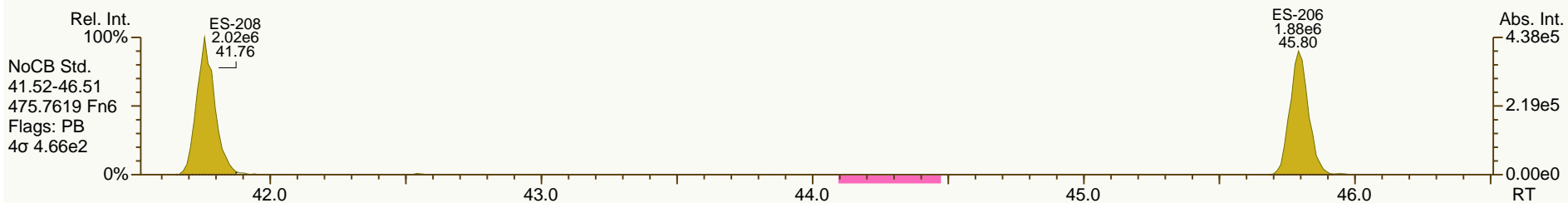
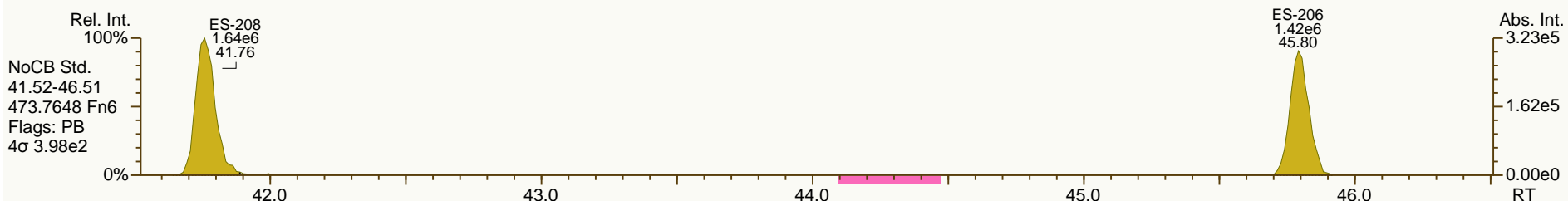
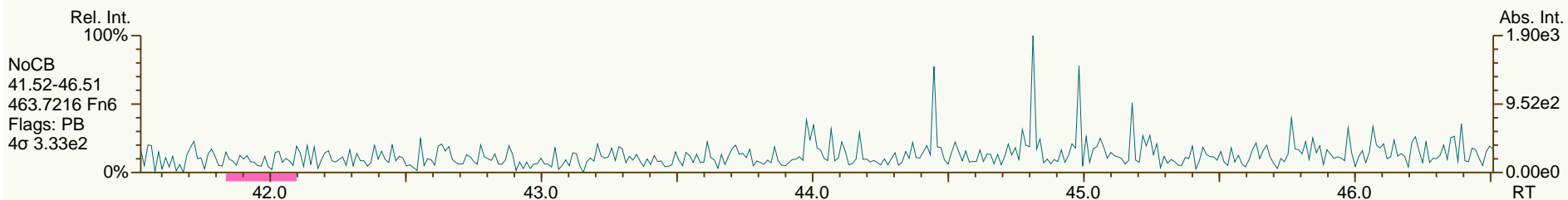
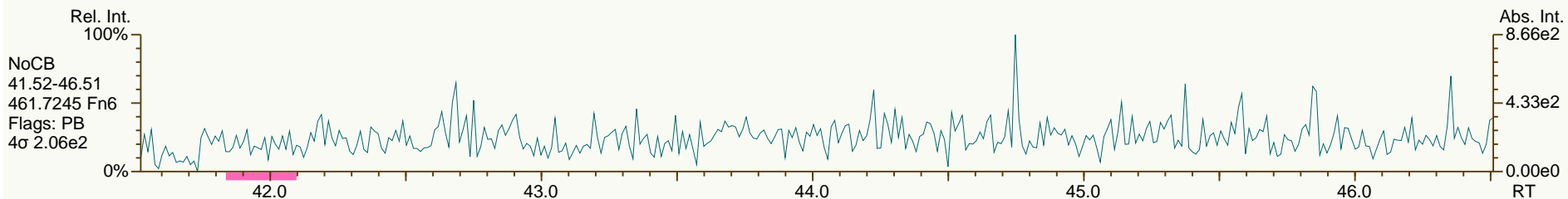
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AP Lab ID: MB1_9888_PCB_TLX
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

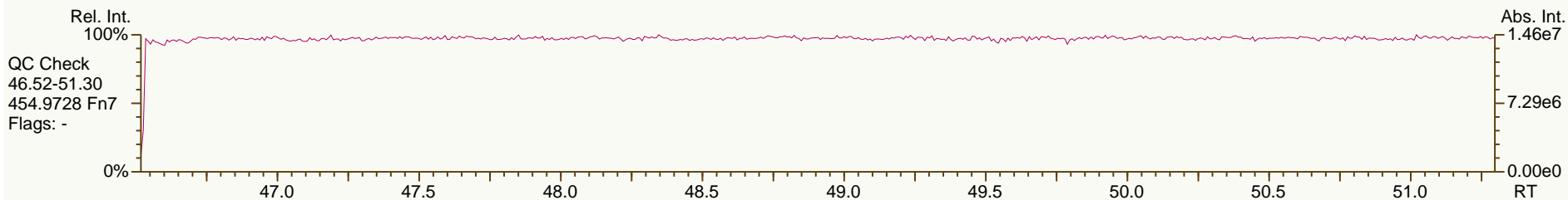
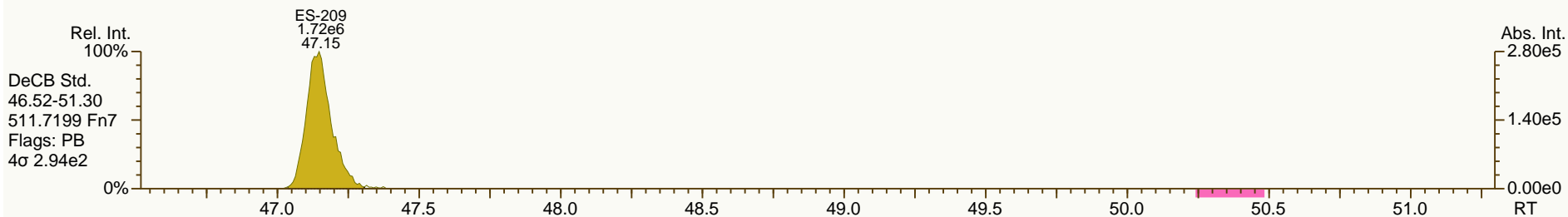
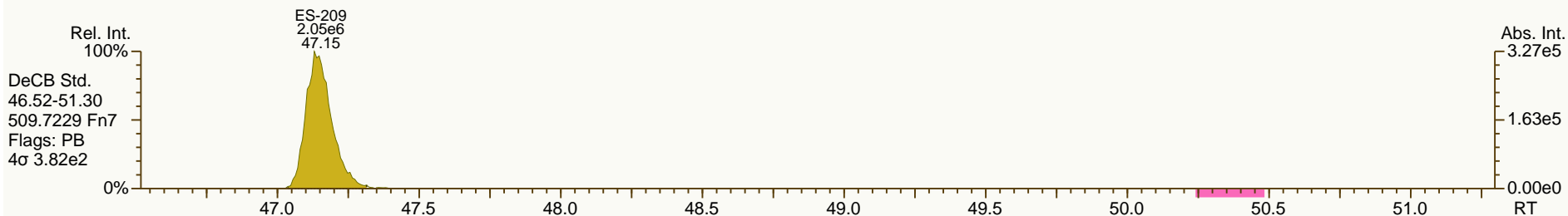
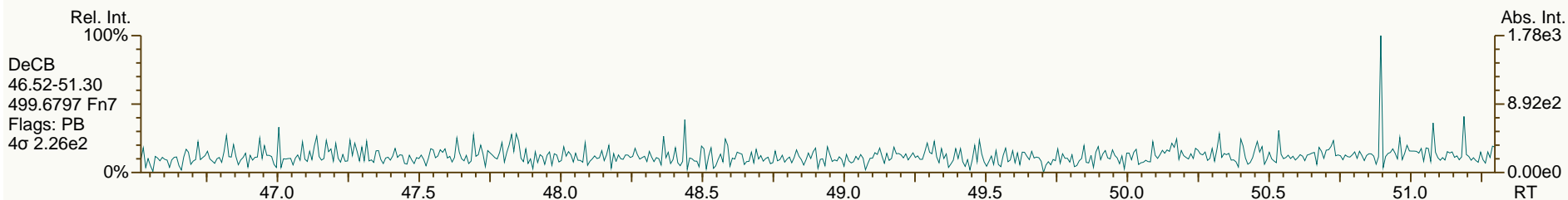
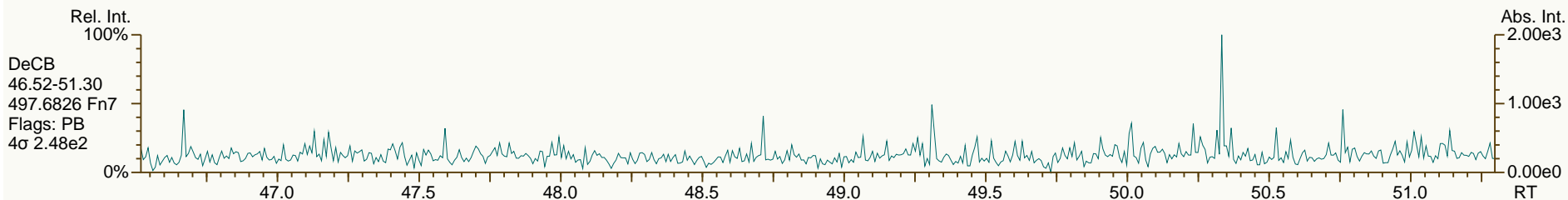
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AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

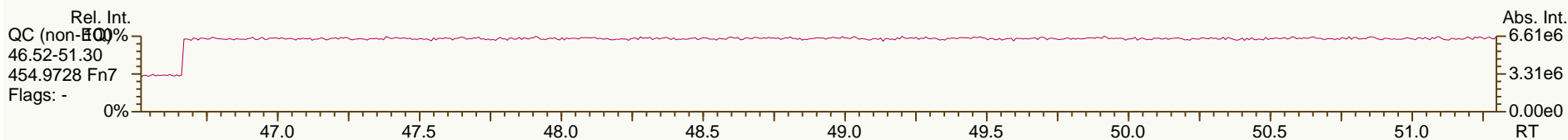
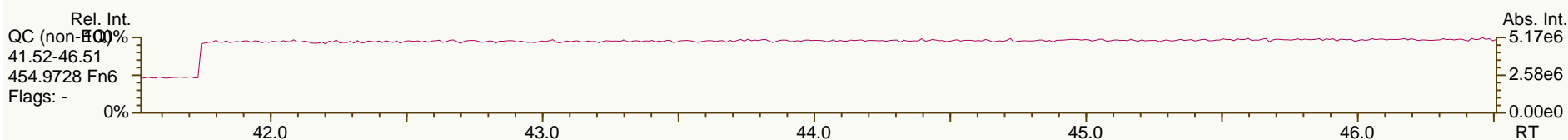
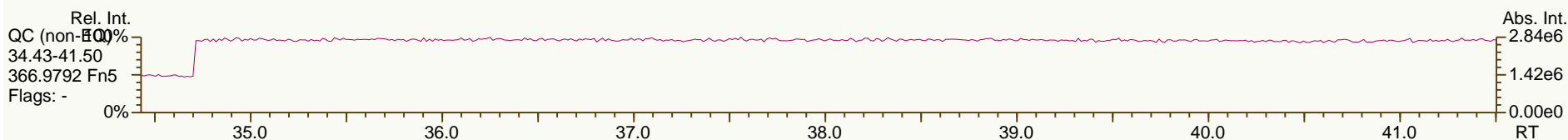
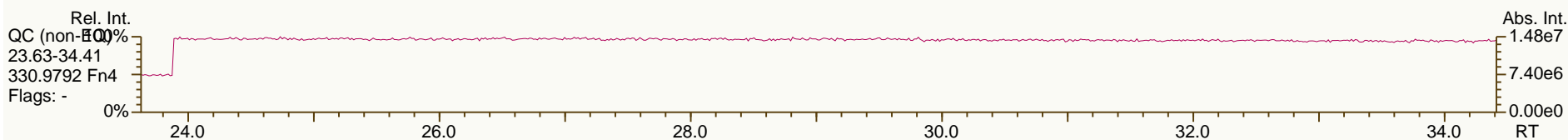
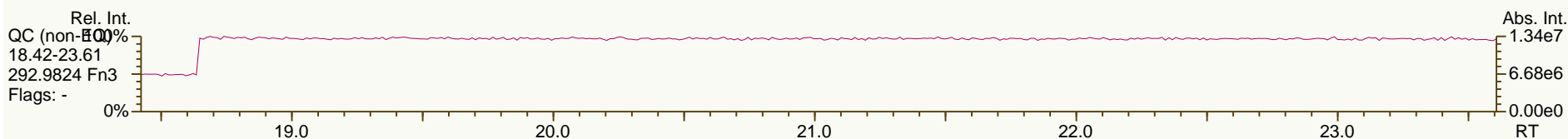
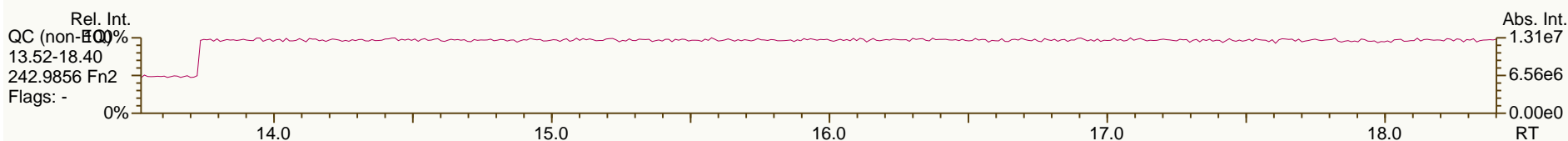
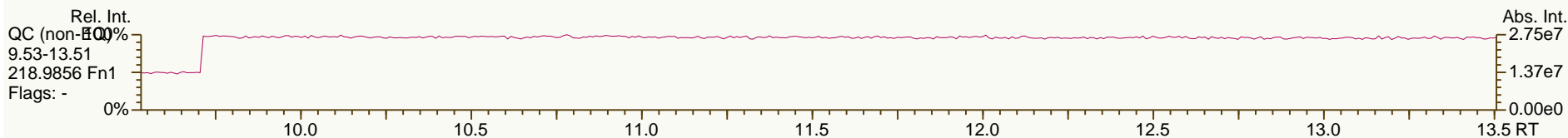
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AP Lab ID: MB1_9888_PCB_TLX
Instr: AutoSpec-Ultima MM4

Sample ID: MB #71970
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 11

Acq: 29-Jun-2012 16:41:37
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Lab ID: A4367_9888_PCB_001-RJ

ACQ: 29-Jun-2012 18:29:41 LKB Wt/Vol: 1.06 L

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UTP: 03-Jul-2012 12:53 LKB

J-level: 9.48 pg/L Split: 1

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RPT: 03-Jul-2012 14:56 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	1.07E+03	2.03
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.07E+03	1.86
PCB-105 233'44'-PeCB	32.18	J	1.0007	1.0007	0	1.56E+04	0.53	1.03	4.01	9.31E+02	2.51
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	9.31E+02	2.48
PCB-118 23'44'5'-PeCB	31.21	J B EMPC	1.0008	1.0008	0	3.59E+04	0.76	1.03	9.14	9.31E+02	2.44
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	9.31E+02	2.7
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	8.94E+02	1.93
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	6.37E+02	2.26
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	6.37E+02	1.76
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	6.37E+02	1.95
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	6.97E+02	1.62
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.59E+02	2.36
ES PCB-1	9.83		0.7181	0.7174	-0.4	8.80E+06	3.27	1.01	63.2 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	8.67E+06	3.30	1.05	59.9 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	5.18E+06	1.64	0.70	54 %	14%	107%
ES PCB-15	17.07		1.2453	1.2461	+0.8	1.06E+07	1.65	1.17	66 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	5.42E+06	1.05	0.57	69.5 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	8.54E+06	1.08	1.41	83.1 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	6.87E+06	0.76	1.32	71.3 %	13%	105%
ES PCB-77	29.22		1.3777	1.3782	+0.9	8.90E+06	0.78	1.22	100 %	31%	109%
ES PCB-81	28.76		1.3557	1.3561	+0.7	8.92E+06	0.84	1.15	106 %	14%	127%
ES PCB-104	22.00		0.8147	0.8147	0	6.04E+06	1.65	1.69	55.1 %	36%	115%
ES PCB-105	32.16		1.1906	1.1908	+0.4	7.17E+06	1.53	1.21	91.6 %	50%	111%
ES PCB-114	31.63		1.1709	1.1712	+0.6	6.76E+06	1.58	1.23	84.4 %	41%	121%
ES PCB-118	31.19		1.1547	1.1548	+0.2	7.19E+06	1.60	1.25	89 %	49%	111%
ES PCB-123	30.91		1.1444	1.1446	+0.4	7.22E+06	1.60	1.33	83.8 %	49%	116%
ES PCB-126	34.78		1.2871	1.2876	+1.0	8.68E+06	1.64	1.36	98.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	6.75E+06	1.31	1.40	83.2 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	1.40E+07	1.26	1.13	107 %	40%	120%
ES PCB-167	36.35		1.0753	1.0754	+0.2	6.74E+06	1.31	1.13	103 %	45%	118%
ES PCB-169	40.04		1.1842	1.1845	+0.7	6.70E+06	1.28	1.14	101 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7201	-0.6	5.91E+06	1.07	1.34	76.3 %	23%	125%
ES PCB-189	42.17		0.9598	0.9597	-0.3	8.10E+06	1.08	1.77	89.9 %	47%	116%
ES PCB-202	36.15		0.8230	0.8228	-0.4	6.28E+06	0.90	1.27	85.5 %	31%	134%
ES PCB-205	44.33		1.0090	1.0090	0	6.69E+06	0.91	1.25	105 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0424	0	5.11E+06	0.78	1.07	93.8 %	38%	122%
ES PCB-208	41.77		0.9508	0.9507	-0.3	5.72E+06	0.77	1.34	83.7 %	31%	126%
ES PCB-209	47.15		1.0732	1.0732	0	5.40E+06	1.20	1.18	89.3 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9270	+0.1	9.40E+06	1.09	0.98	112 %	14%	131%
CS/SS PCB-111	29.29		1.0843	1.0843	0	7.10E+06	1.58	0.90	110 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0118	0	4.50E+06	1.07	0.65	118 %	57%	125%
CS PCB-28	19.66		0.9269	0.9270	+0.1	9.40E+06	1.09	1.39	93.2 %	14%	131%
CS PCB-111	29.29		1.0843	1.0843	0	7.10E+06	1.58	1.19	91.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0118	0	4.50E+06	1.07	0.87	89.8 %	57%	125%
JS PCB-9	13.70					1.37E+07	1.65				
JS PCB-52	21.21					7.28E+06	0.78				
JS PCB-101	27.01					6.49E+06	1.58				
JS PCB-138	33.80					5.78E+06	1.20				
JS PCB-194	43.94					5.11E+06	0.88				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	2.49		
						Di-CBs	0	0	32.3		
						Tri-CBs	9.58	9.58	2.93		
						Tetra-CBs	33.4	37.3	1.96		
						Penta-CBs	48.7	68.7	2.43		
						Hexa-CBs	19	45.2	1.95		
						Hepta-CBs	6.48	6.48	2.62		
						Octa-CBs	0	0	2.3		
						Nona-CBs	0	0	2.34		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20		ND	2.34E+03	2.06
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.24		ND	2.34E+03	2.67
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13		ND	2.34E+03	2.92
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94		ND	1.81E+04	41
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.63		ND	1.81E+04	23.8
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	1.00		ND	1.55E+04	23.6
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.17		ND	1.55E+04	20.2
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.07		ND	1.55E+04	22.1
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	1.08		ND	1.55E+04	21.8
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.17		ND	1.55E+04	20.3
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.28		ND	1.55E+04	18.5
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00	1.06		ND	1.55E+04	22.4
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	1.11		ND	1.55E+04	21.4
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01		ND	1.55E+04	23.5

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.22E+03	3.01
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00	1.24		ND	1.22E+03	2.45
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00	1.03		ND	1.22E+03	2.95
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00	1.40		ND	1.22E+03	2.17
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00	1.34		ND	1.22E+03	2.28
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00	0.81		ND	1.22E+03	3.75
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00	1.49		ND	1.22E+03	2.04
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00	1.27		ND	1.55E+03	2.7
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00	1.33		ND	1.55E+03	2.59
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00	1.34		ND	1.55E+03	2.57
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00	1.34		ND	1.55E+03	2.56
PCB-31 24'5-TrCB	19.42	J	0.8430	0.8427	-0.3	2.60E+04	1.10	1.38	4.17	1.55E+03	2.48
PCB-28/20 244'/233'-TrCB	19.68	J C	0.8542	0.8538	-0.5	3.22E+04	1.15	1.32	5.41	1.55E+03	2.59
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00	1.36		ND	1.55E+03	2.52
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00	1.23		ND	1.55E+03	2.79
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00	1.31		ND	1.55E+03	2.62
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00	1.39		ND	1.55E+03	2.47
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00	1.21		ND	1.55E+03	2.84
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00	1.19		ND	1.55E+03	2.88
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00	1.20		ND	1.55E+03	2.86
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00	0.93		ND	7.42E+02	1.74
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00	0.76		ND	6.97E+02	1.99
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00	0.65		ND	6.97E+02	2.33
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00	0.76		ND	6.97E+02	1.99
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00	0.61		ND	6.97E+02	2.49
PCB-52 22'55'-TeCB	21.22		1.0010	1.0008	-0.3	3.60E+04	0.83	0.69	11	6.97E+02	2.17
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00	0.94		ND	6.97E+02	1.6
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00	0.63		ND	6.97E+02	2.4
PCB-69/49 23'46/22'45'-TeCB	21.64	J EMPC C	1.0198	1.0207	+1.2	1.60E+04	0.97	0.88	3.84	6.97E+02	1.71
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00	0.71		ND	6.97E+02	2.12
PCB-44/47/65 ...-TeCB	22.06	J C	1.0416	1.0404	-1.6	2.86E+04	0.69	0.77	7.89	6.97E+02	1.96
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00	0.98		ND	6.97E+02	1.54
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00	0.68		ND	6.97E+02	2.21
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00	0.61		ND	6.97E+02	2.49
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00	0.74		ND	6.97E+02	2.03
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00	1.03		ND	6.97E+02	1.46
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00	1.27		ND	1.07E+03	1.82
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00	1.38		ND	1.07E+03	1.68
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00	1.23		ND	1.07E+03	1.88
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00	1.25		ND	1.07E+03	1.85
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00	1.28		ND	1.07E+03	1.8
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00	1.36		ND	1.07E+03	1.7
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8794	+0.3	6.03E+04	0.74	1.28	10.1	1.07E+03	1.81
PCB-66 23'44'-TeCB	25.55	J	0.8888	0.8886	-0.3	2.49E+04	0.78	1.18	4.5	1.07E+03	1.97
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00	1.25		ND	1.07E+03	1.86

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.17	ND	1.07E+03	1.98
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	1.07E+03	1.86
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	1.07E+03	1.66
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	1.07E+03	1.75
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	1.07E+03	2.03
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	7.65E+02	2.5
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	7.65E+02	2.64
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	9.31E+02	2.98
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	9.31E+02	3.36
PCB-95 22'35'6'-PeCB	24.53	B	0.9082	0.9081	-0.1	3.58E+04	0.66	0.76	12.3	9.31E+02	3.26
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	9.31E+02	3.07
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	9.31E+02	3.11
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	9.31E+02	3.25
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	9.31E+02	3.22
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.83	ND	9.31E+02	3.01
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.68	ND	9.31E+02	3.67
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	9.31E+02	3.52
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	9.31E+02	2.33
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.75	ND	9.31E+02	3.32
PCB-113/90/101 ...-PeCB	27.03	B EMPC	0.9999	1.0009	+1.6	3.63E+04	0.51	0.87	10.9	9.31E+02	2.86
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	9.31E+02	4.02
PCB-99 22'44'5'-PeCB	27.52	J	1.0190	1.0189	-0.2	1.71E+04	0.60	0.82	5.44	9.31E+02	3.03
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	9.31E+02	2.48
PCB-108/119/86/97/125...-PeCB	27.98	J C	1.0347	1.0359	+2.0	2.90E+04	0.59	0.89	8.54	9.31E+02	2.79
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	9.31E+02	3.06
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.97	ND	9.31E+02	2.57
PCB-110 233'4'6'-PeCB	28.68	B	1.0615	1.0618	+0.5	6.23E+04	0.63	0.89	18.4	9.31E+02	2.8
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	9.31E+02	2.24
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	9.31E+02	3.82
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	9.31E+02	2.39
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	9.31E+02	2.37
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	9.31E+02	2.6
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	9.31E+02	2.63
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	9.31E+02	2.5
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	9.31E+02	2.72
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	9.31E+02	2.55
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.21E+02	1.84
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	7.21E+02	2.03
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	7.21E+02	2.01
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.90	ND	7.21E+02	2.15
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	7.21E+02	2.07
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	7.21E+02	2.73
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.70	ND	7.21E+02	2.78
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	7.21E+02	2.51
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	7.21E+02	2.77

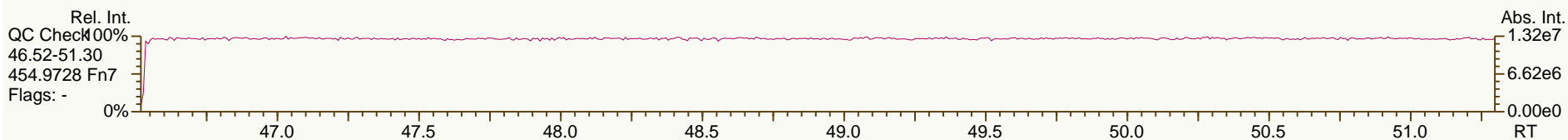
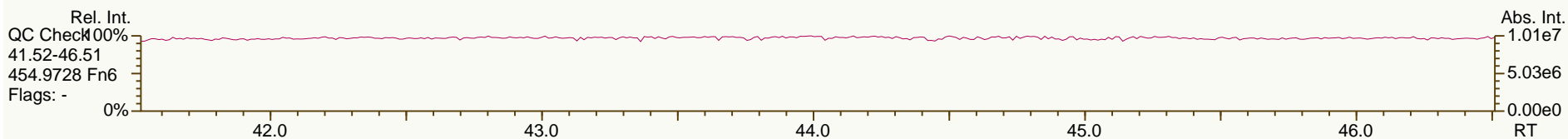
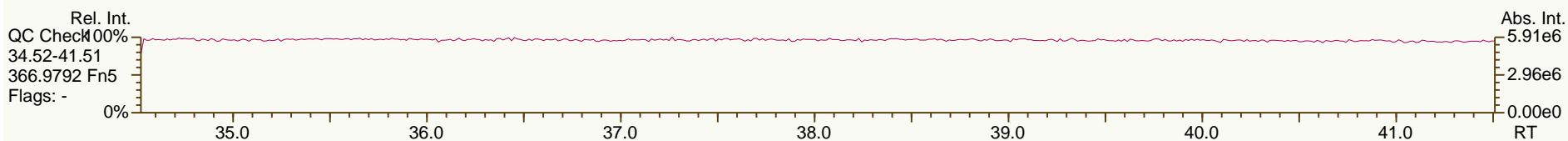
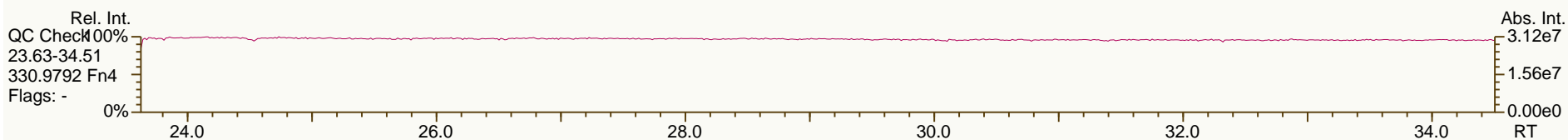
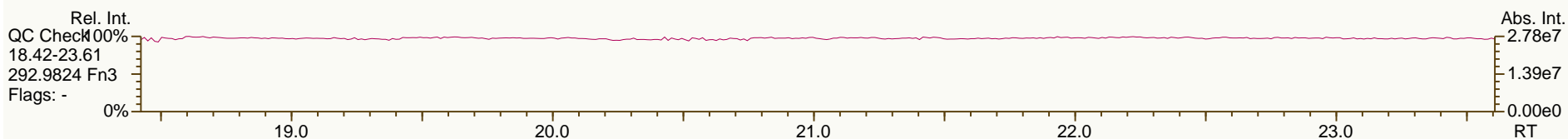
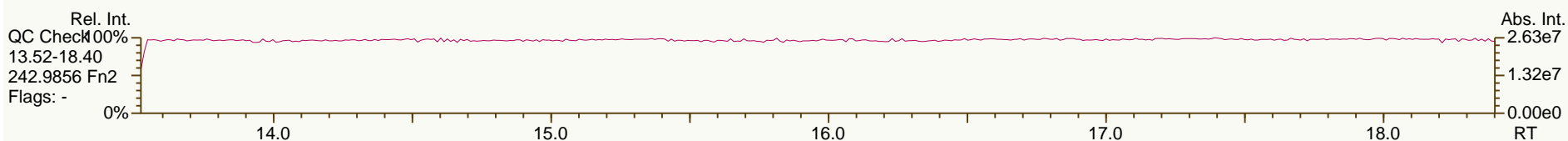
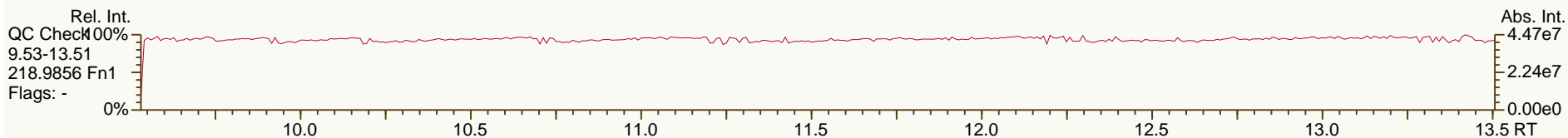
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	J EMPC C	1.1269	1.1270	+0.2	3.72E+04	1.57	0.71	14.7	7.21E+02	2.73
PCB-134 22'33'56'-HxCB	NotFnd		1.1326	-		0.00E+00		0.55	ND	7.21E+02	3.55
PCB-143 22'34'56'-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	7.21E+02	2.72
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	7.21E+02	2.66
PCB-131 22'33'46'-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	7.21E+02	3.16
PCB-142 22'34'56'-HxCB	NotFnd		1.1564	-		0.00E+00		0.63	ND	7.21E+02	3.06
PCB-132 22'33'46'-HxCB	NotFnd		1.1655	-		0.00E+00		0.64	ND	7.21E+02	3.06
PCB-133 22'33'55'-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	7.21E+02	2.96
PCB-165 233'55'6'-HxCB	NotFnd		0.9489	-		0.00E+00		0.80	ND	7.21E+02	2.43
PCB-146 22'34'55'-HxCB	NotFnd		0.9550	-		0.00E+00		0.71	ND	7.21E+02	2.72
PCB-161 233'45'6'-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	7.21E+02	2.22
PCB-153/168 ...-HxCB	32.79	J EMPC C	0.9709	0.9701	-1.6	3.66E+04	1.48	0.89	11.6	7.21E+02	2.19
PCB-141 22'34'55'-HxCB	NotFnd		0.9746	-		0.00E+00		0.68	ND	7.21E+02	2.85
PCB-130 22'33'45'-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	7.21E+02	3.34
PCB-137 22'34'4'5'-HxCB	NotFnd		0.9904	-		0.00E+00		0.73	ND	7.21E+02	2.67
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9930	-		0.00E+00		0.85	ND	7.21E+02	2.28
PCB-163/138/129 ...-HxCB	33.83	J C	1.0012	1.0009	-0.6	4.89E+04	1.12	0.72	19	7.21E+02	2.68
PCB-160 233'45'6'-HxCB	NotFnd		1.0049	-		0.00E+00		0.84	ND	7.21E+02	2.32
PCB-158 233'44'6'-HxCB	NotFnd		1.0106	-		0.00E+00		0.94	ND	7.21E+02	2.07
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.95	ND	6.37E+02	2.01
PCB-159 233'45'5'-HxCB	NotFnd		0.9830	-		0.00E+00		1.07	ND	6.37E+02	1.77
PCB-162 233'4'55'-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	6.37E+02	1.74
PCB-188 22'34'56'6'-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	7.58E+02	2.3
PCB-179 22'33'56'6'-HpCB	NotFnd		1.0089	-		0.00E+00		0.97	ND	7.58E+02	2.52
PCB-184 22'34'4'6'6'-HpCB	NotFnd		1.0237	-		0.00E+00		0.96	ND	7.58E+02	2.56
PCB-176 22'33'46'6'-HpCB	NotFnd		1.0324	-		0.00E+00		1.07	ND	7.58E+02	2.29
PCB-186 22'34'56'6'-HpCB	NotFnd		1.0444	-		0.00E+00		1.00	ND	7.58E+02	2.46
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0816	-		0.00E+00		0.73	ND	7.58E+02	3.38
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0985	-		0.00E+00		0.77	ND	8.07E+02	3.39
PCB-187 22'34'55'6'-HpCB	NotFnd		1.1057	-		0.00E+00		0.79	ND	8.07E+02	3.31
PCB-182 22'34'4'5'6'-HpCB	NotFnd		1.1112	-		0.00E+00		0.81	ND	8.07E+02	3.24
PCB-183 22'34'4'5'6'-HpCB	NotFnd		1.1219	-		0.00E+00		0.91	ND	8.07E+02	2.88
PCB-185 22'34'55'6'-HpCB	NotFnd		1.1241	-		0.00E+00		0.72	ND	8.07E+02	3.64
PCB-174 22'33'45'6'-HpCB	NotFnd		1.1276	-		0.00E+00		0.65	ND	8.07E+02	4
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1393	-		0.00E+00		0.67	ND	8.07E+02	3.91
PCB-181 22'34'4'5'6'-HpCB	NotFnd		1.1501	-		0.00E+00		0.79	ND	8.07E+02	3.32
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.70	ND	8.07E+02	3.75
PCB-172 22'33'45'5'-HpCB	NotFnd		0.9003	-		0.00E+00		0.66	ND	8.07E+02	3.16
PCB-192 233'45'5'6'-HpCB	NotFnd		0.9061	-		0.00E+00		0.85	ND	8.07E+02	2.46
PCB-180/193 ...-HpCB	38.51	J C	0.9127	0.9133	+1.4	2.33E+04	1.13	0.84	6.48	8.07E+02	2.48
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9203	-		0.00E+00		0.89	ND	8.07E+02	2.35
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	8.07E+02	3
PCB-190 233'44'5'6'-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	8.07E+02	2.31
PCB-202 22'33'55'6'6'-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	6.94E+02	2.99
PCB-201 22'33'45'6'6'-OoCB	NotFnd		1.0221	-		0.00E+00		0.94	ND	6.94E+02	2.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.94E+02	2.77
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	6.94E+02	2.67
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	6.94E+02	2.62
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	6.94E+02	3.69
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	6.94E+02	3.51
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.94E+02	3.33
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	5.82E+02	2.55
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.82E+02	2.37
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.82E+02	1.61
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.22E+02	2.28
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.22E+02	2.26
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.22E+02	2.39

AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

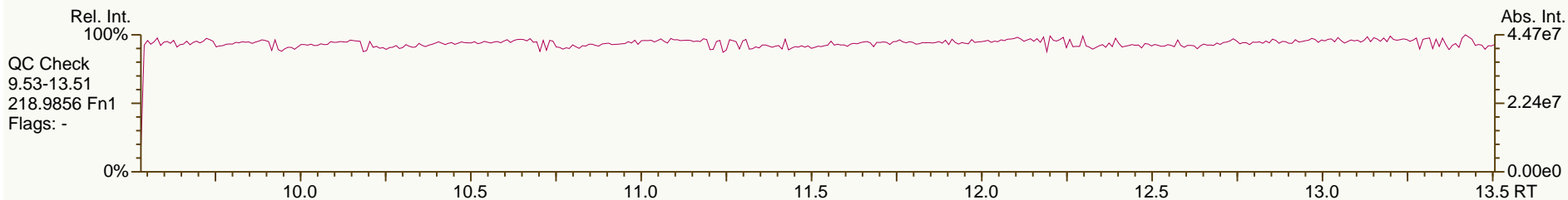
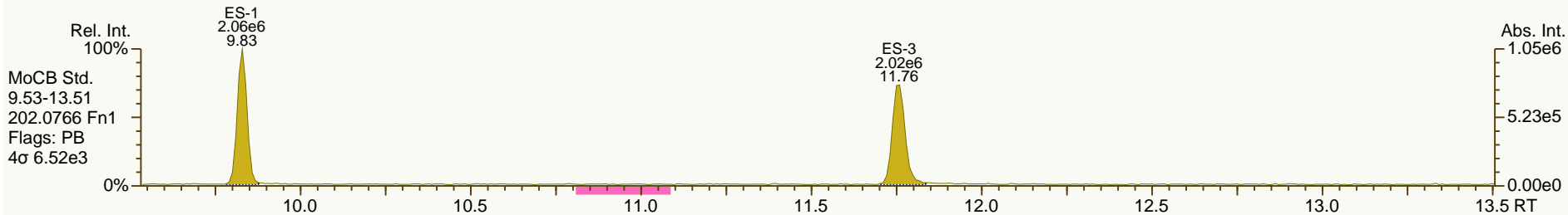
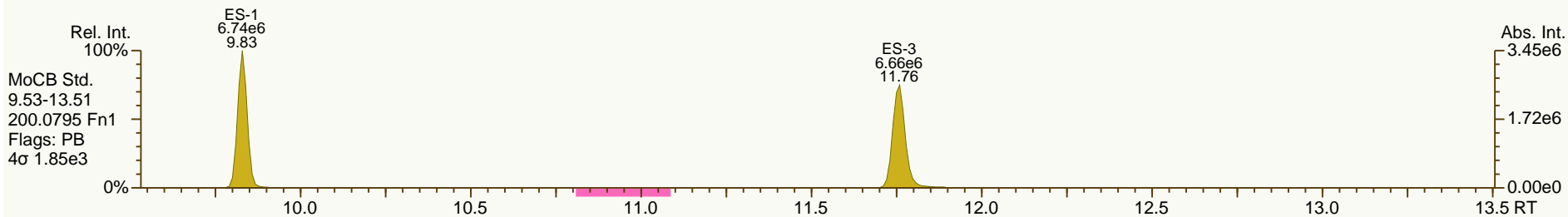
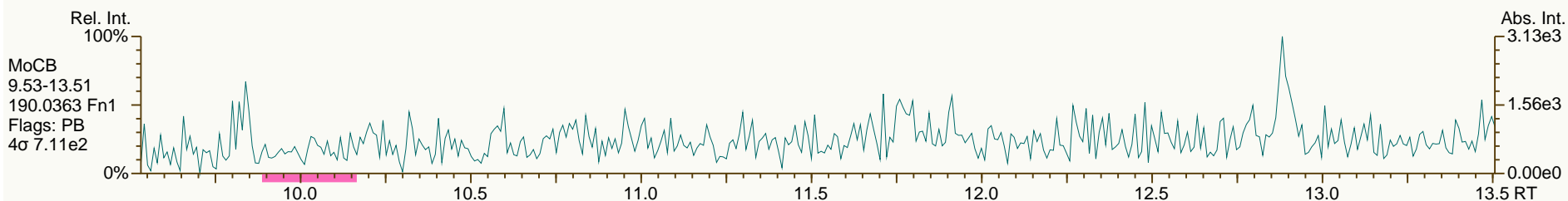
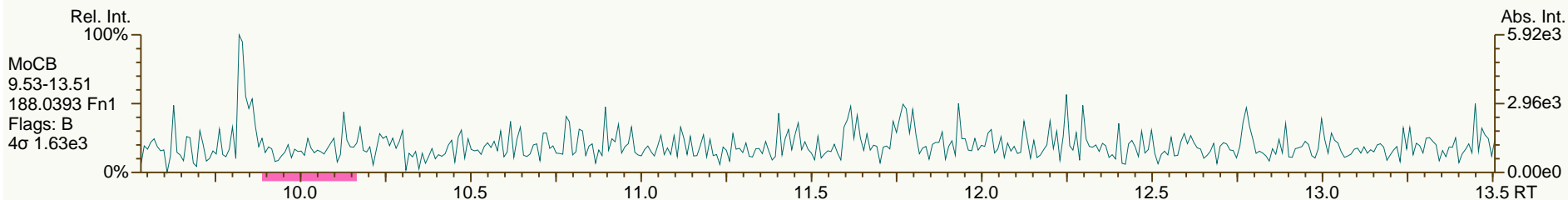
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AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
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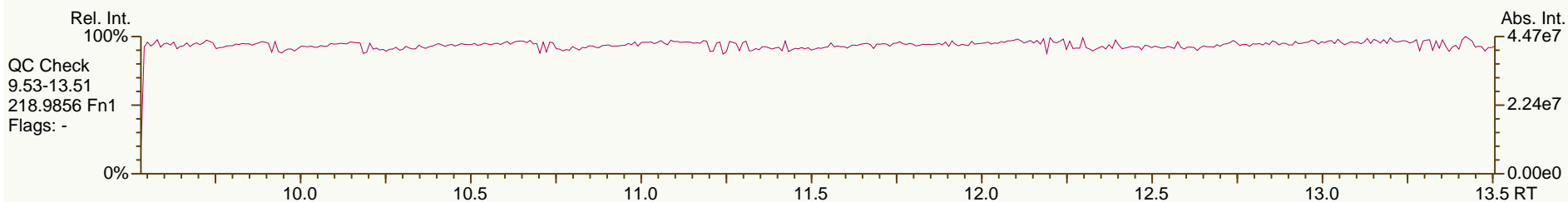
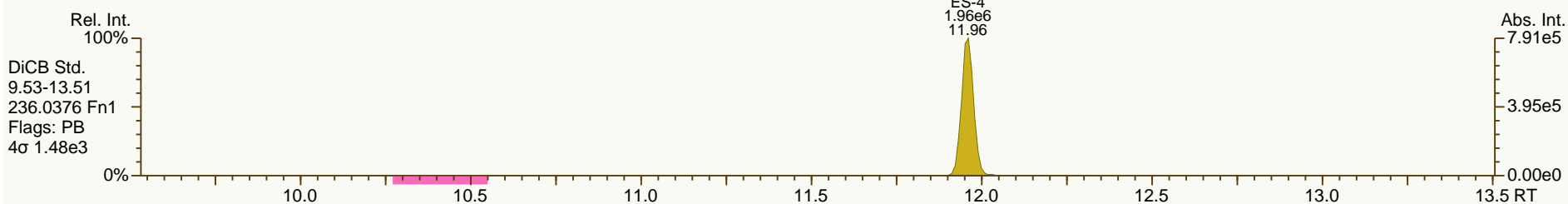
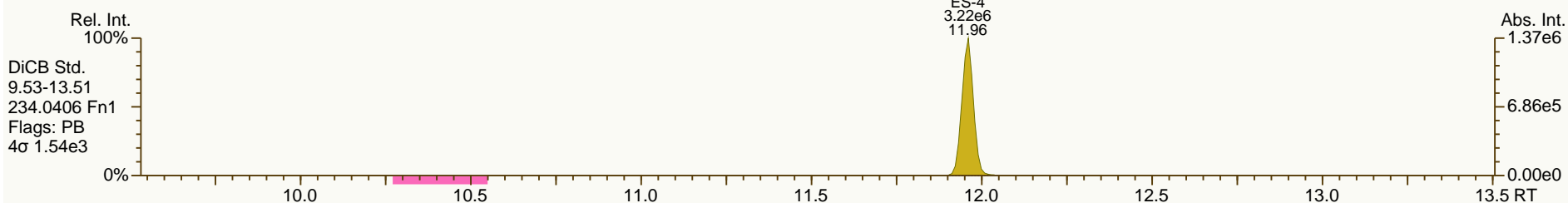
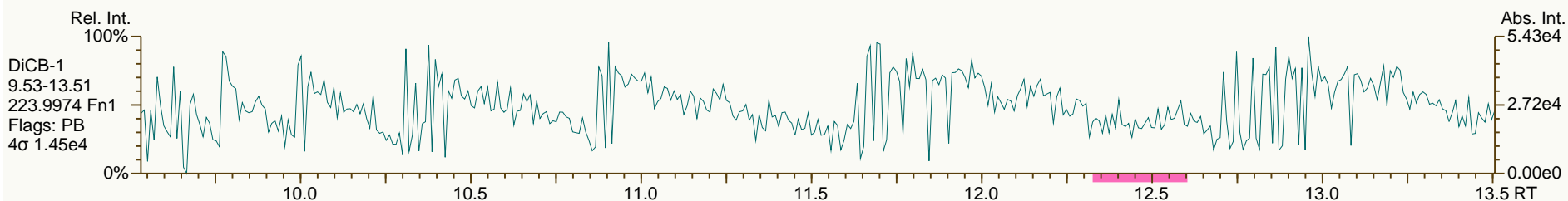
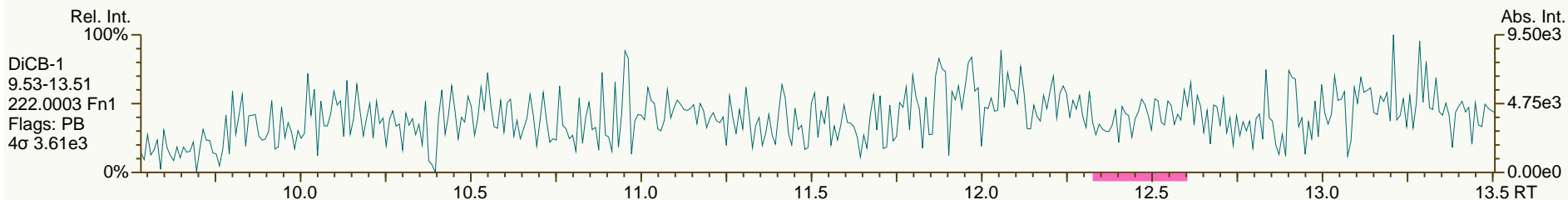
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AP Lab ID: A4367_9888_PCB_001-RJ
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Sample ID: JW-FB-120507
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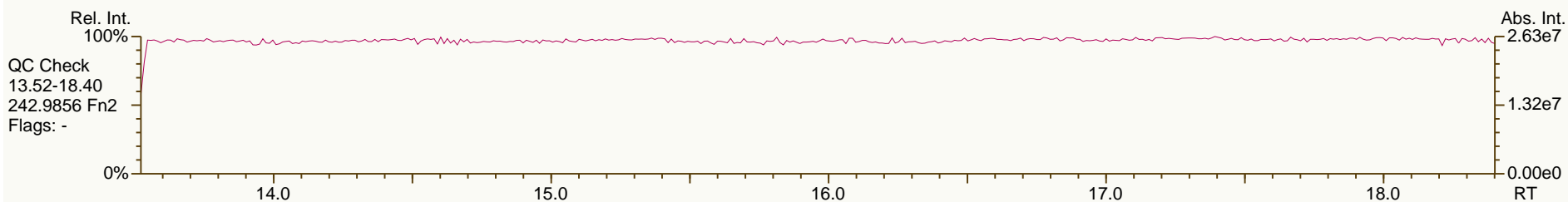
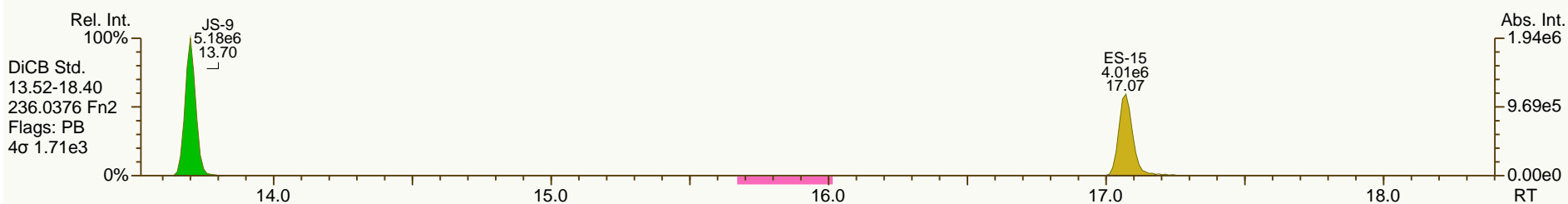
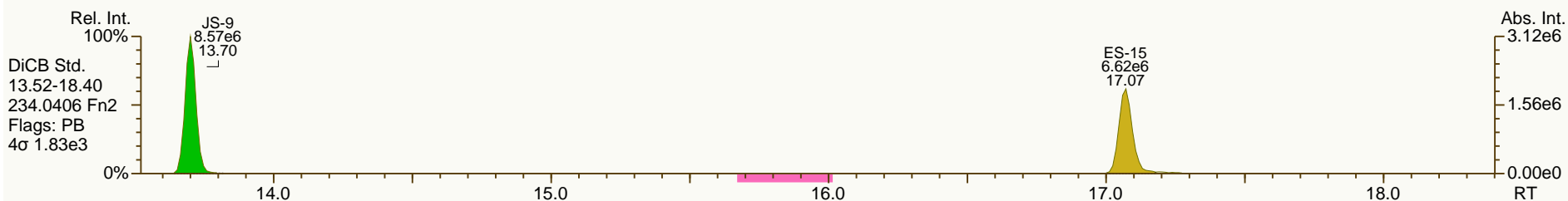
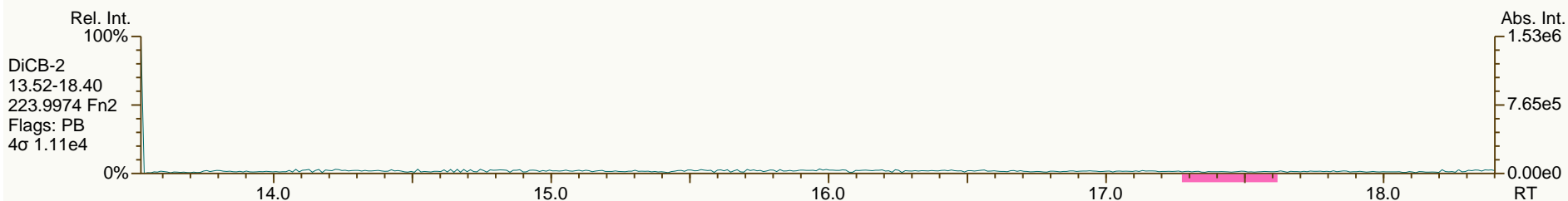
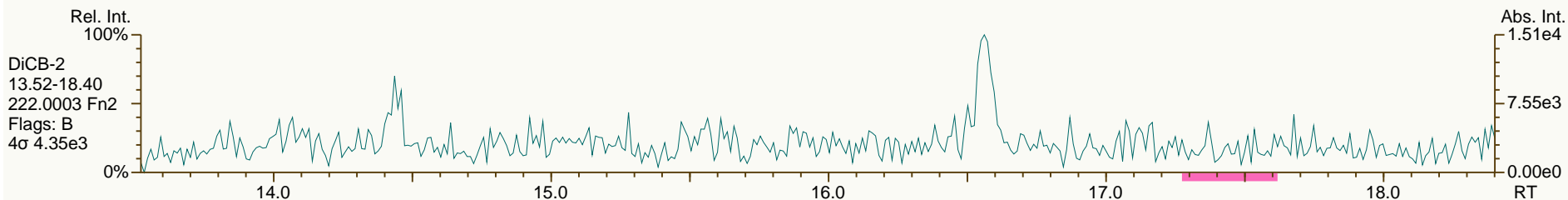
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AP Lab ID: A4367_9888_PCB_001-RJ
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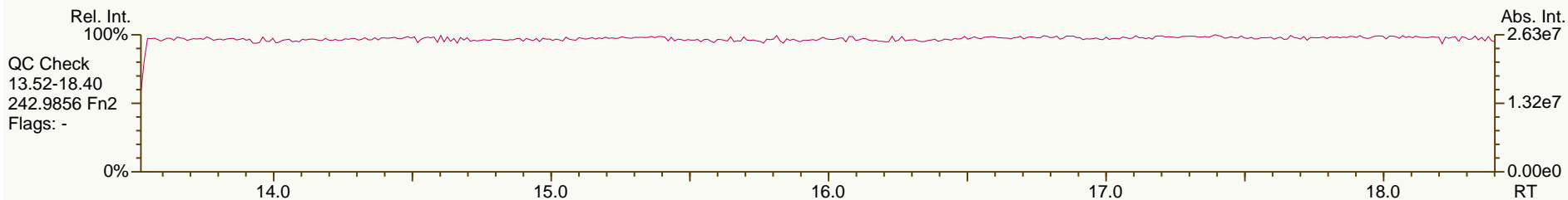
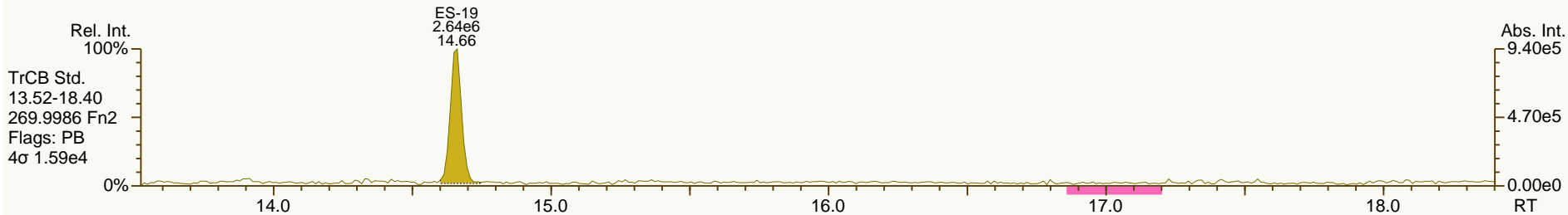
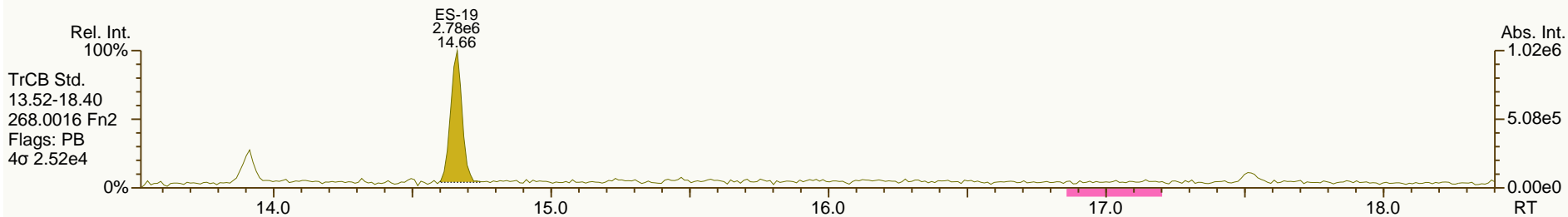
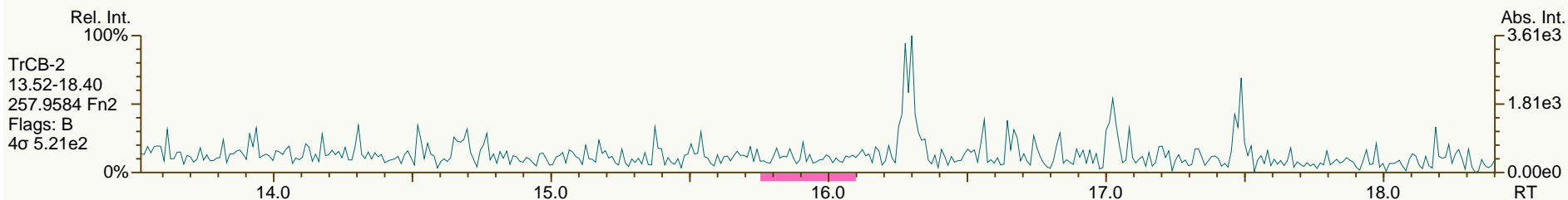
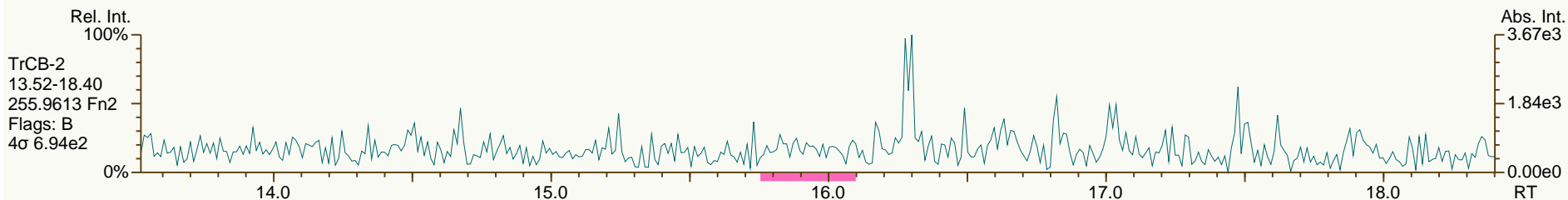
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AP Lab ID: A4367_9888_PCB_001-RJ
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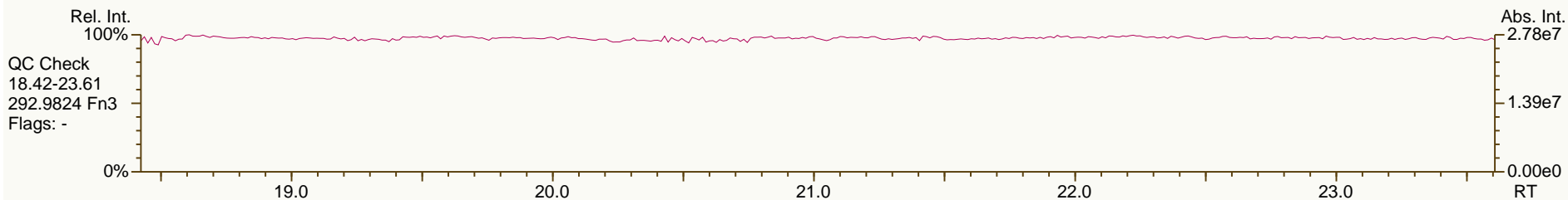
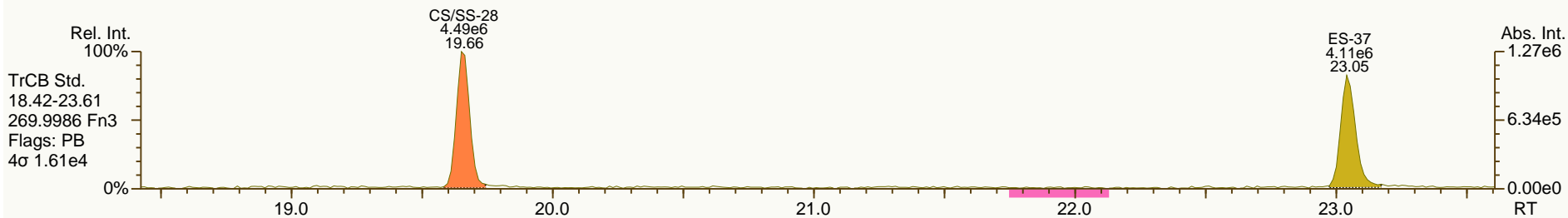
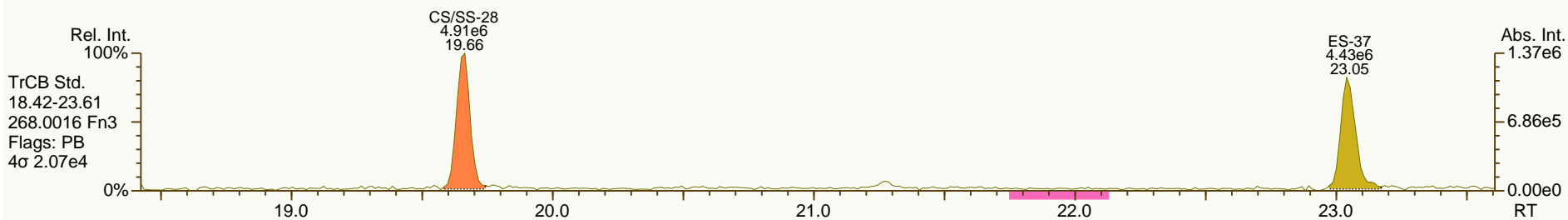
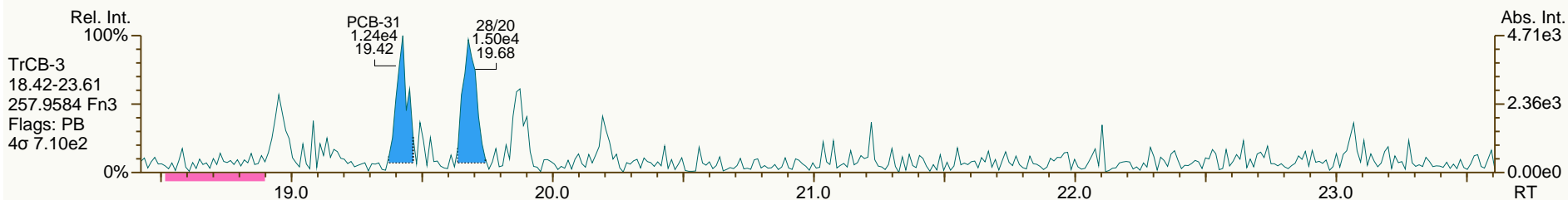
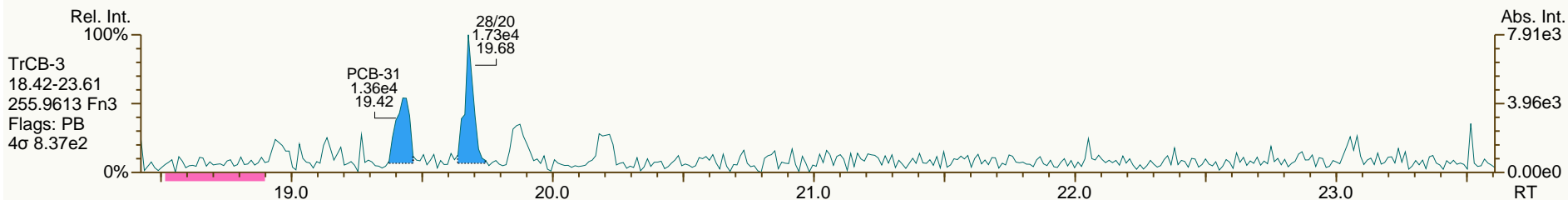
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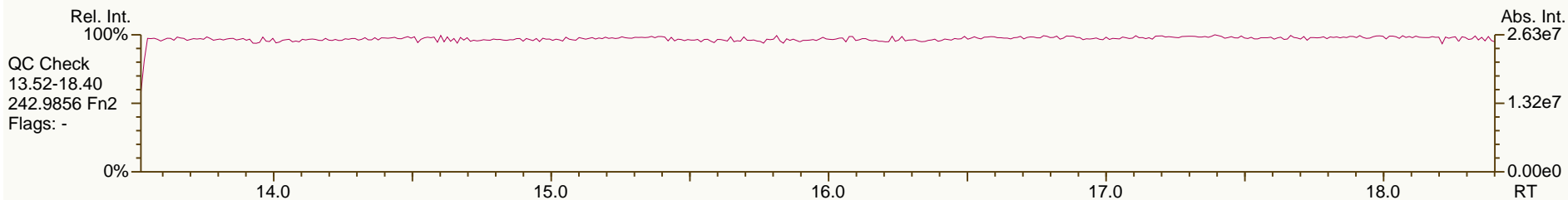
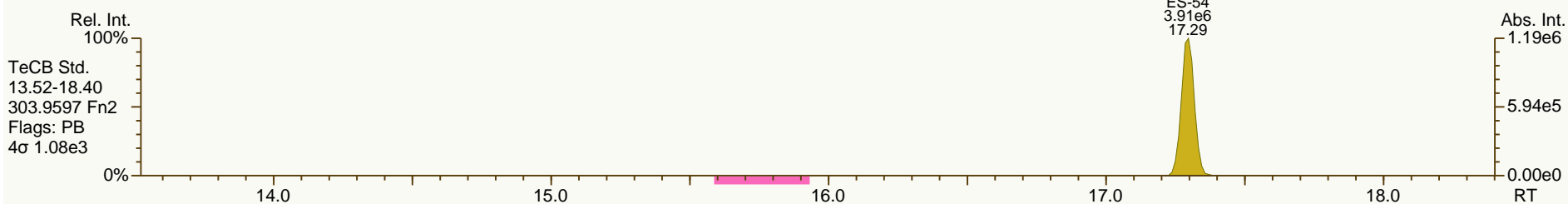
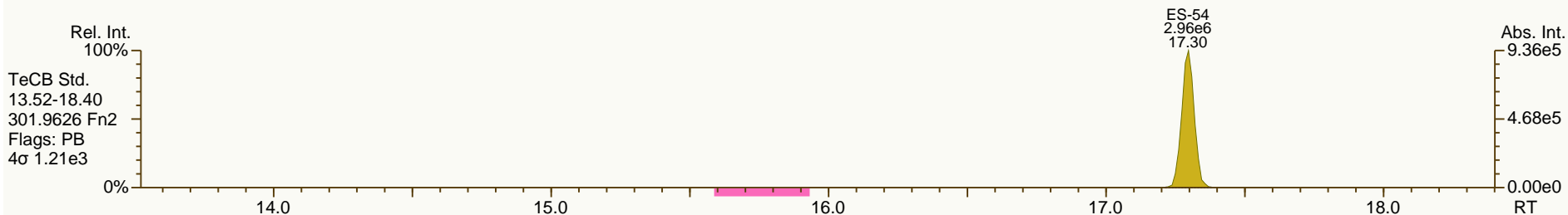
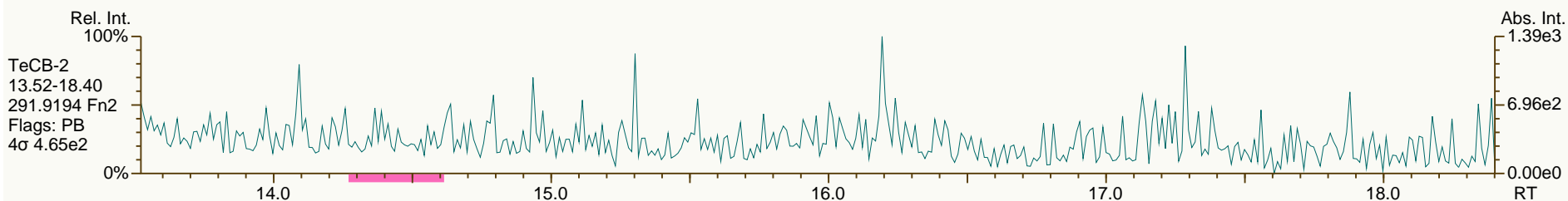
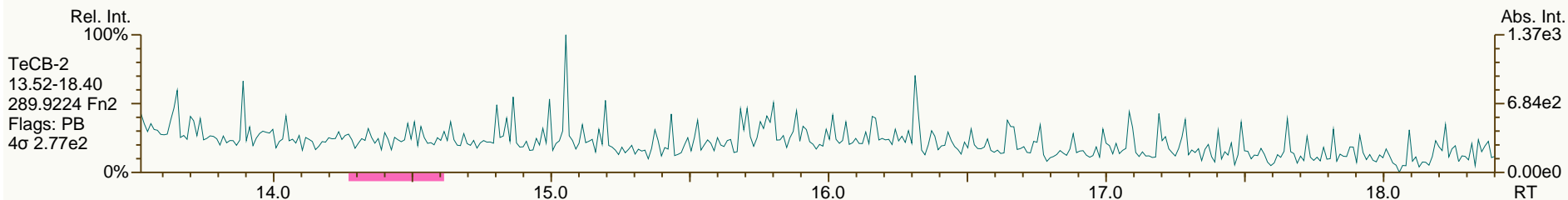
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AP Lab ID: A4367_9888_PCB_001-RJ
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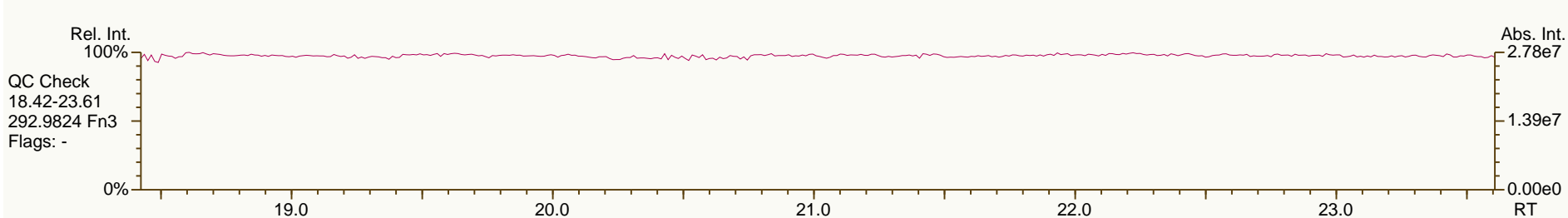
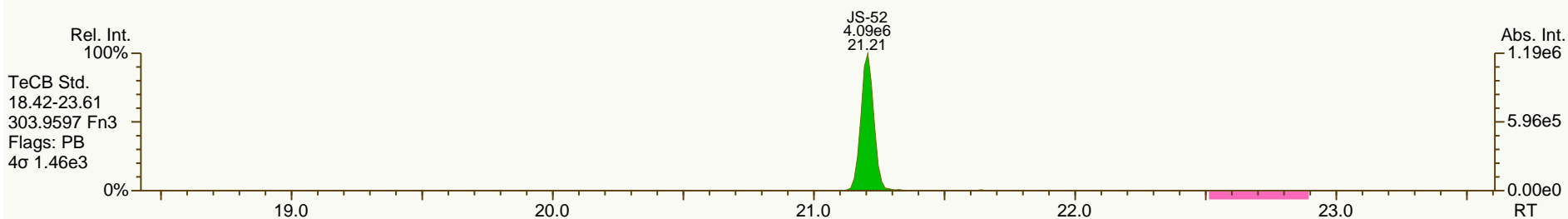
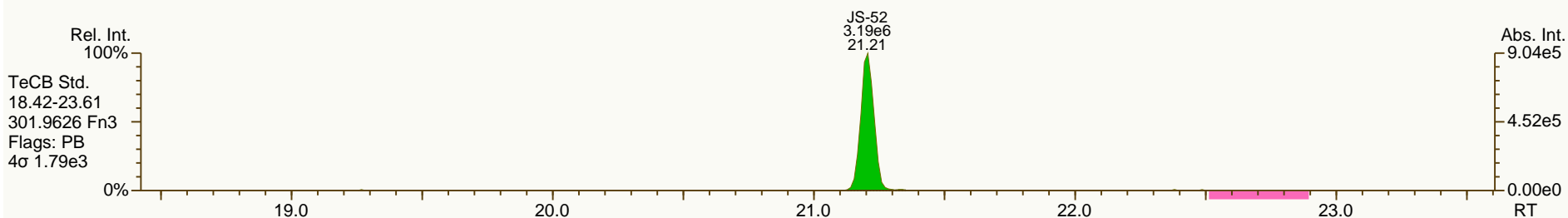
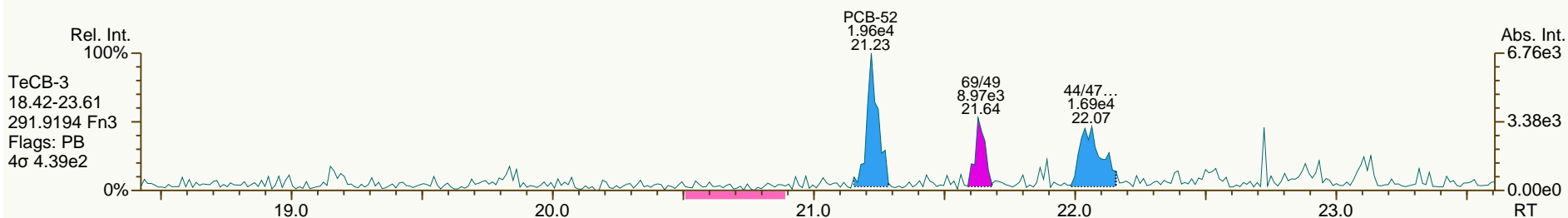
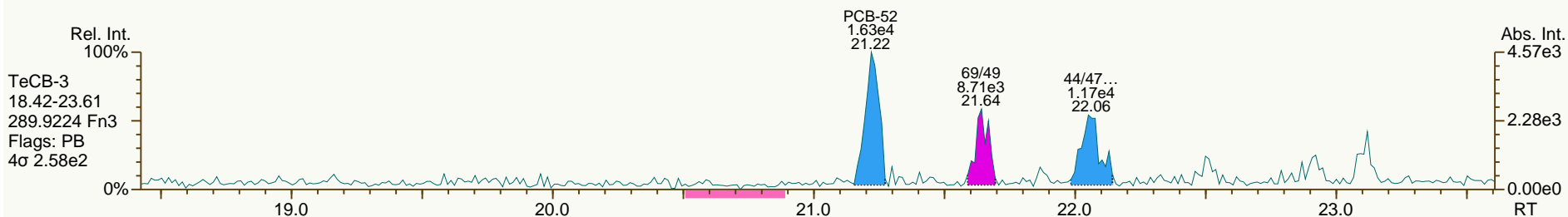
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AP Lab ID: A4367_9888_PCB_001-RJ
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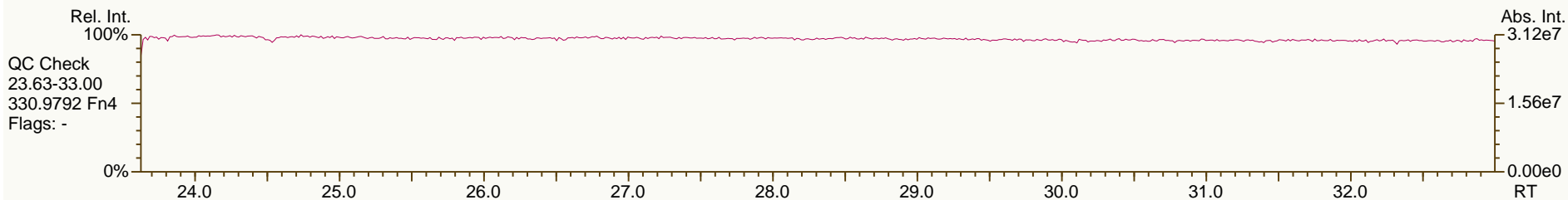
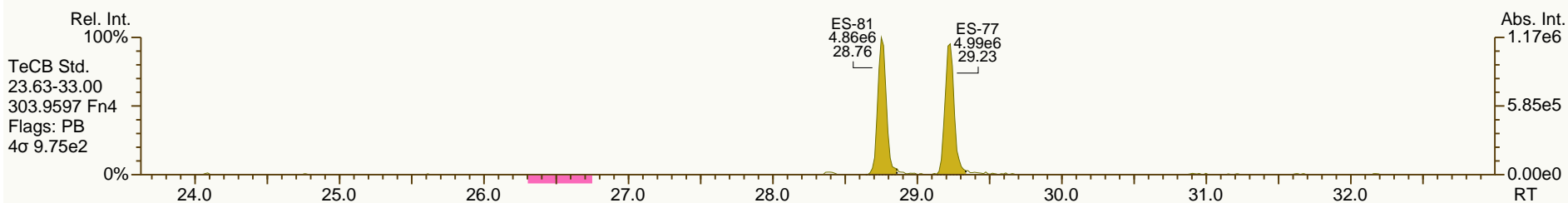
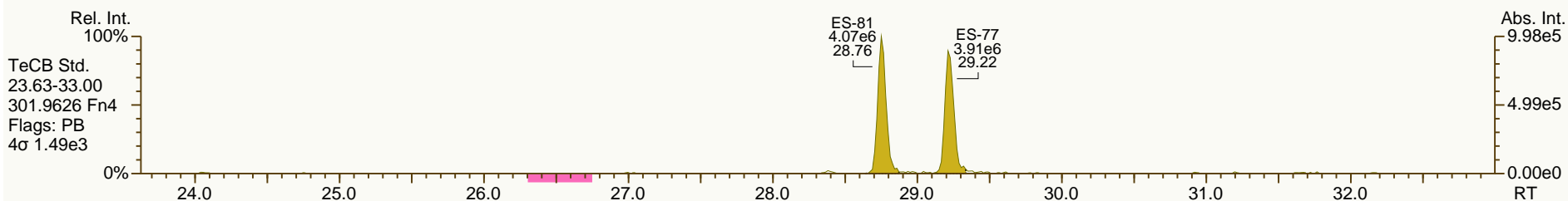
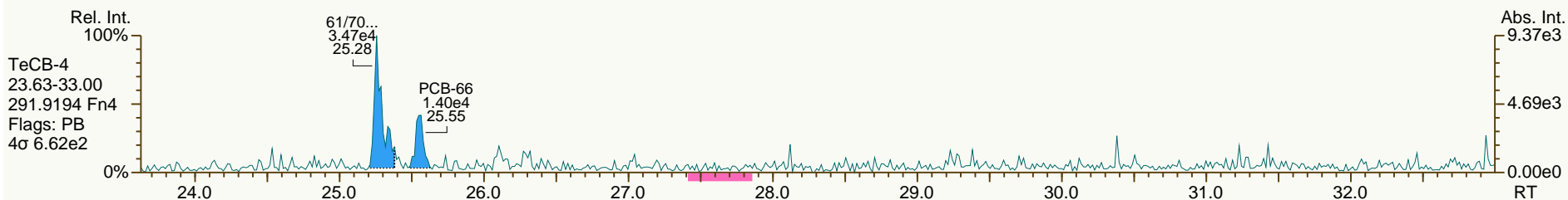
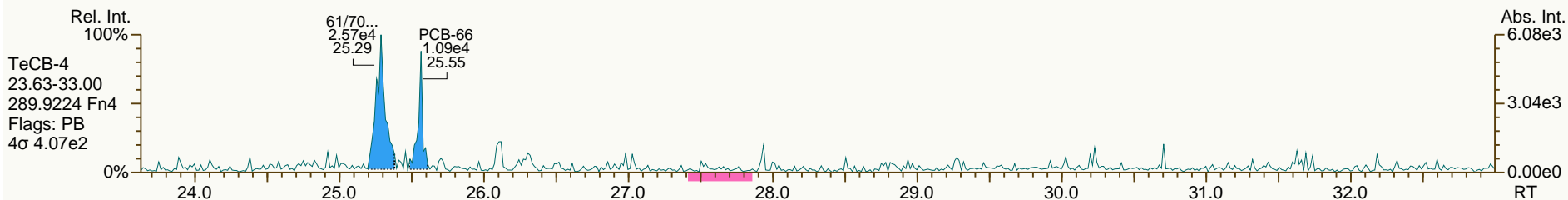
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AP Lab ID: A4367_9888_PCB_001-RJ
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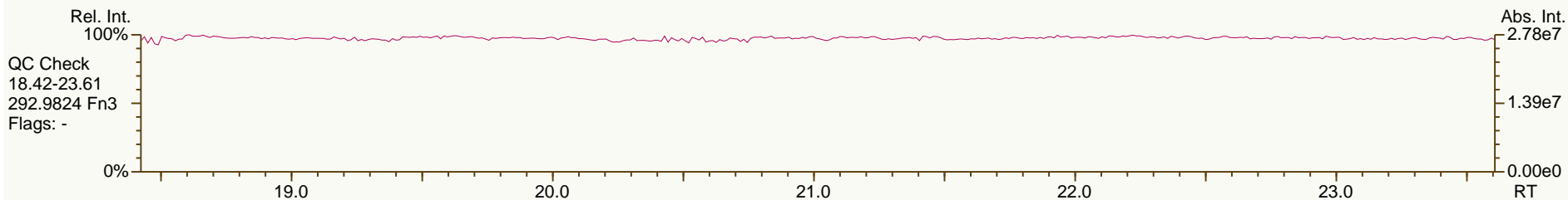
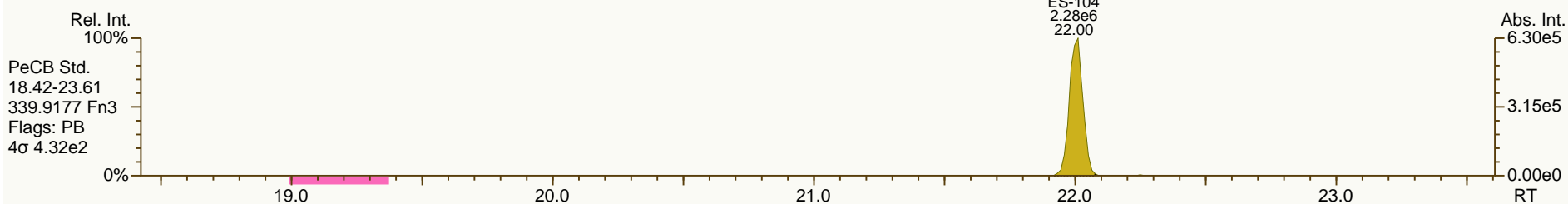
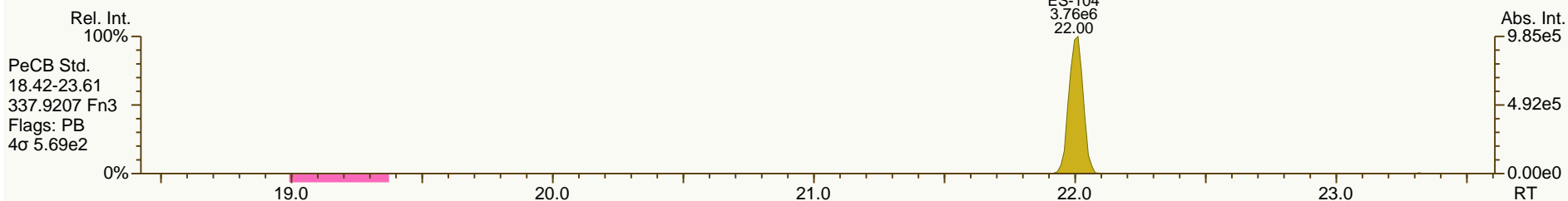
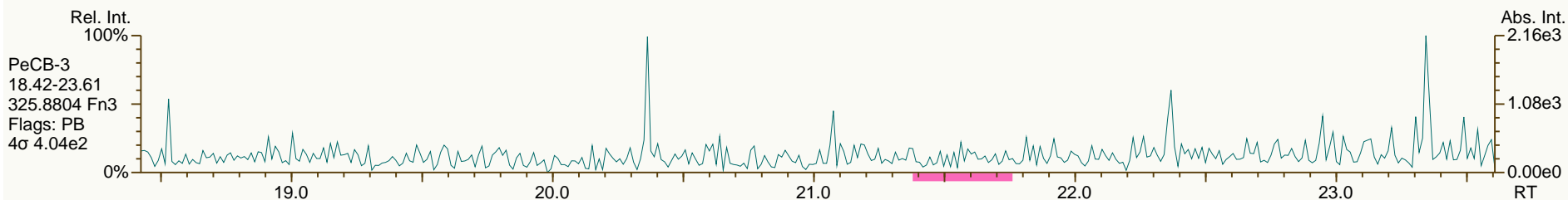
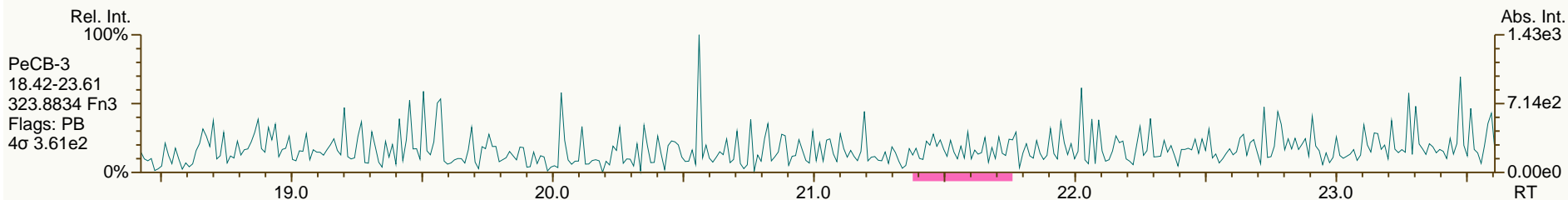
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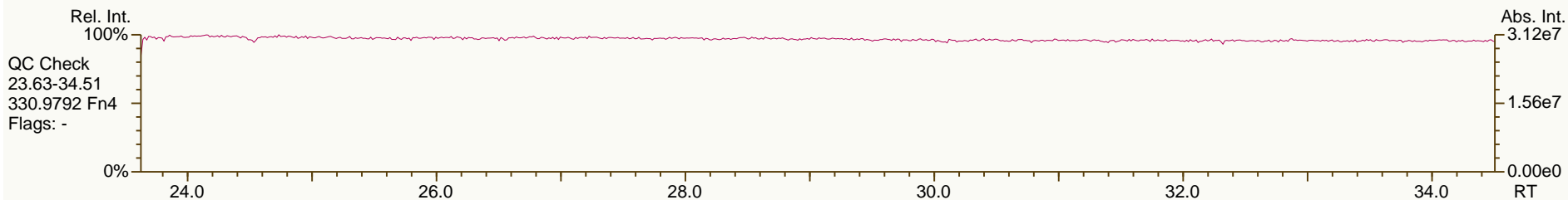
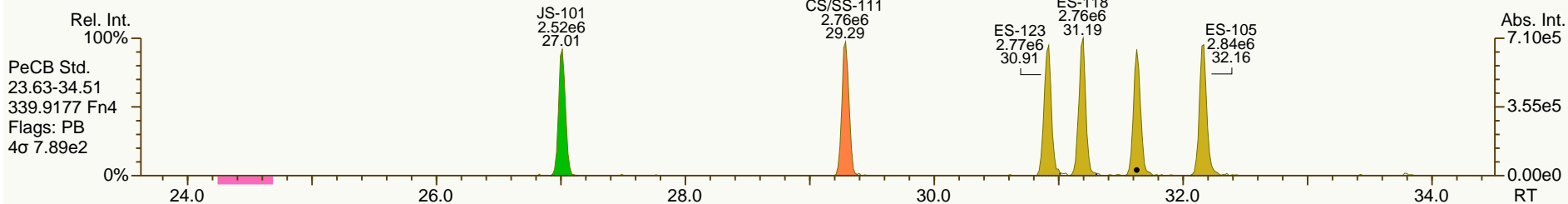
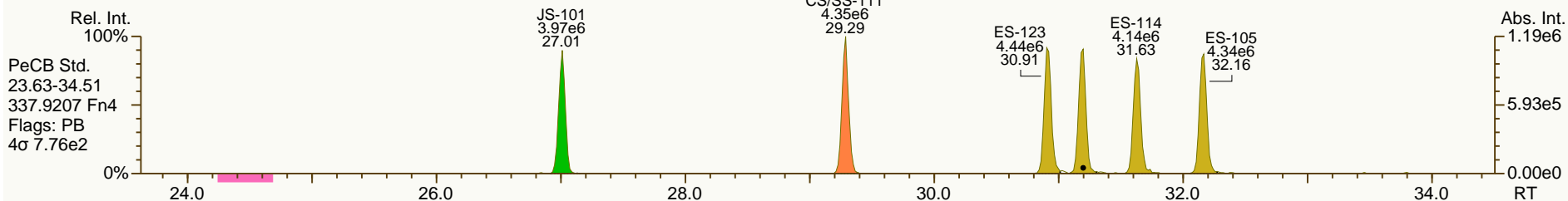
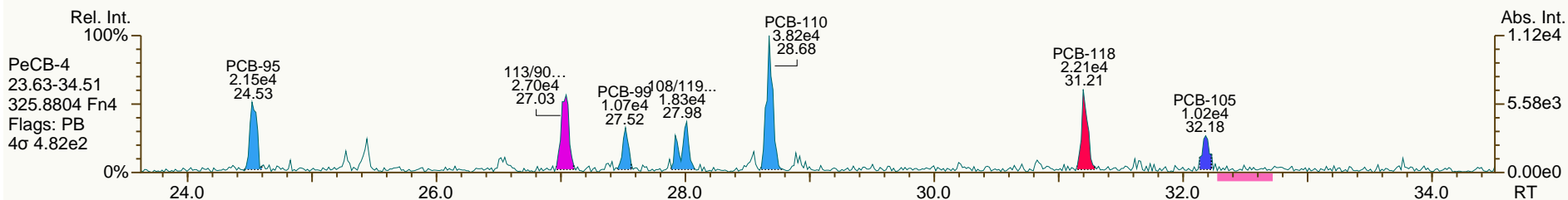
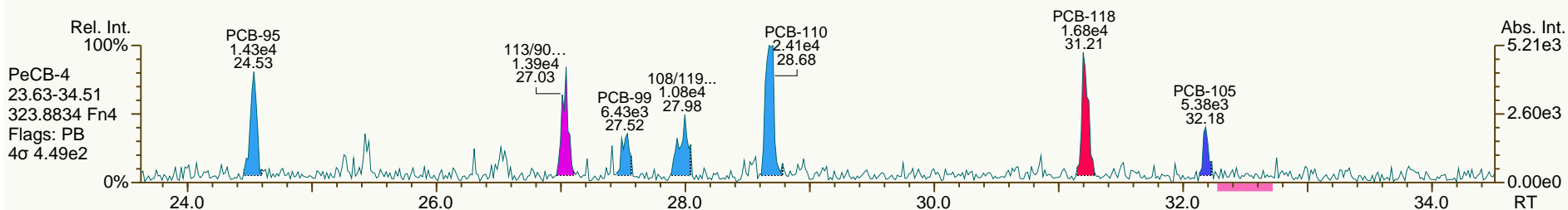
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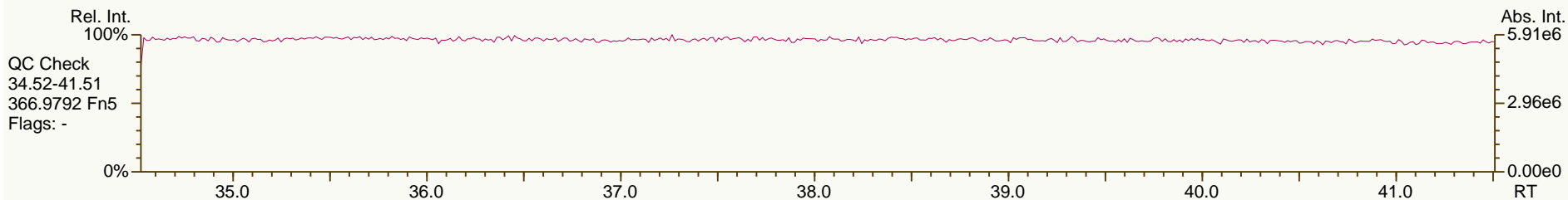
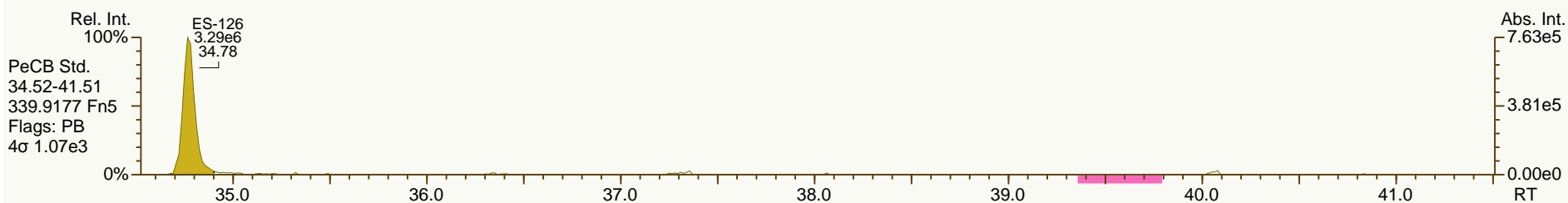
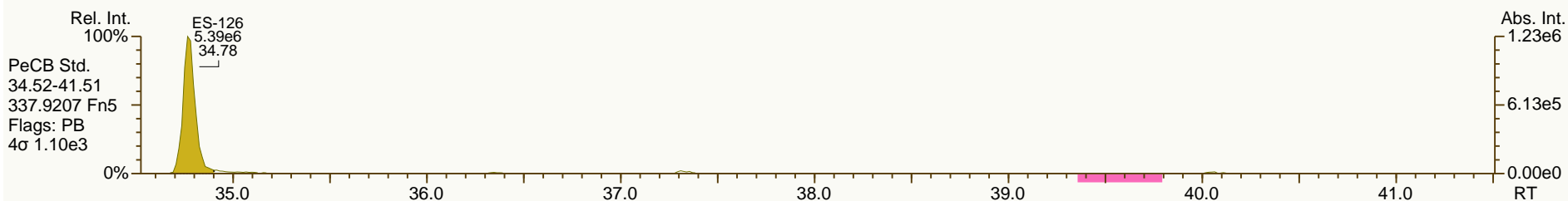
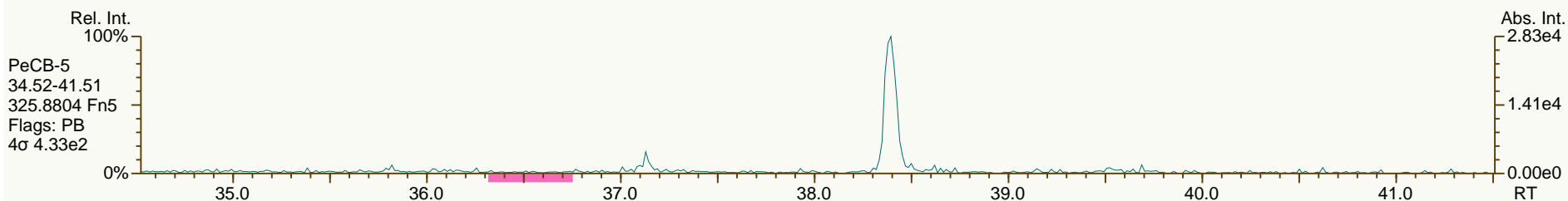
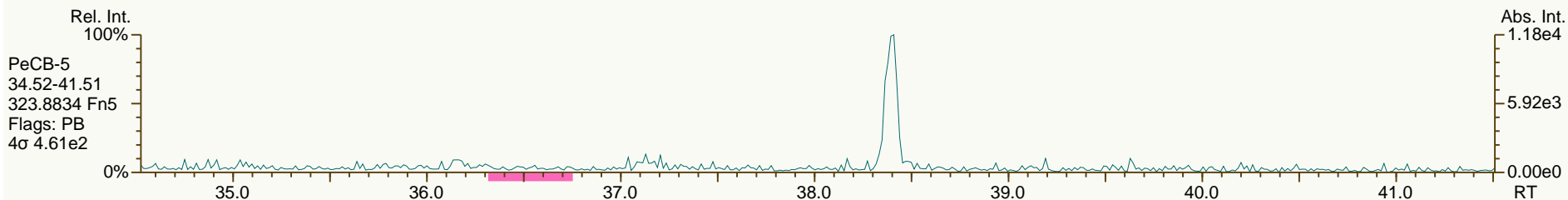
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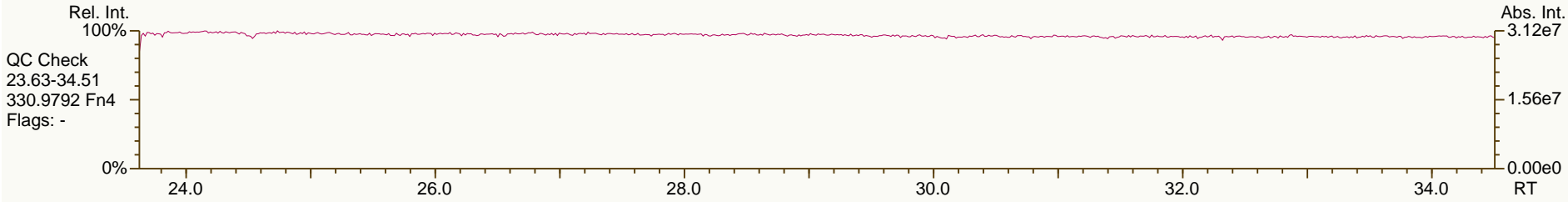
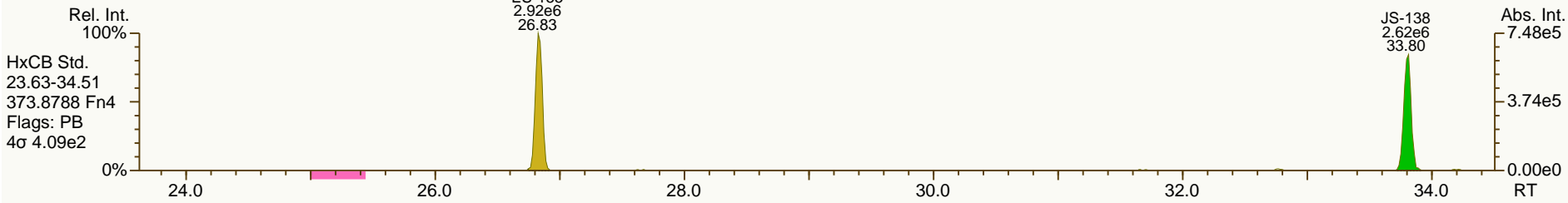
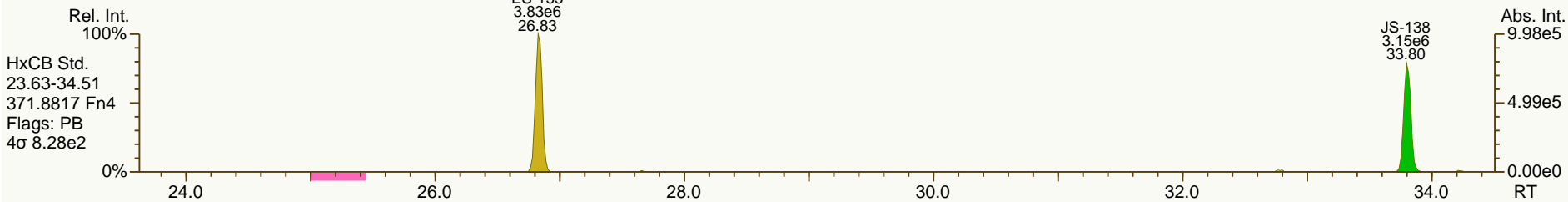
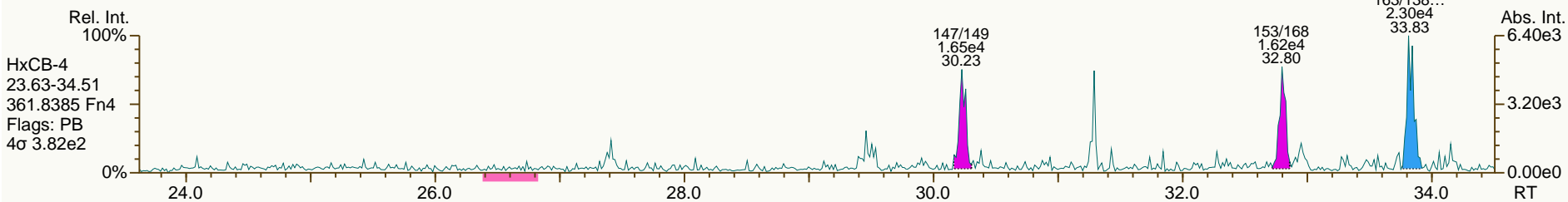
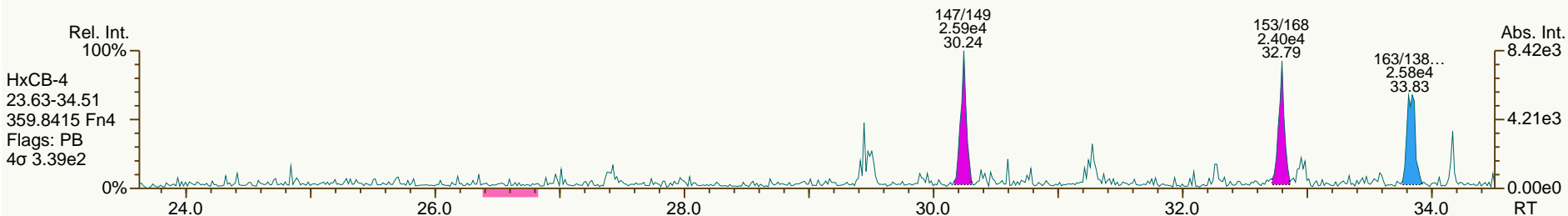
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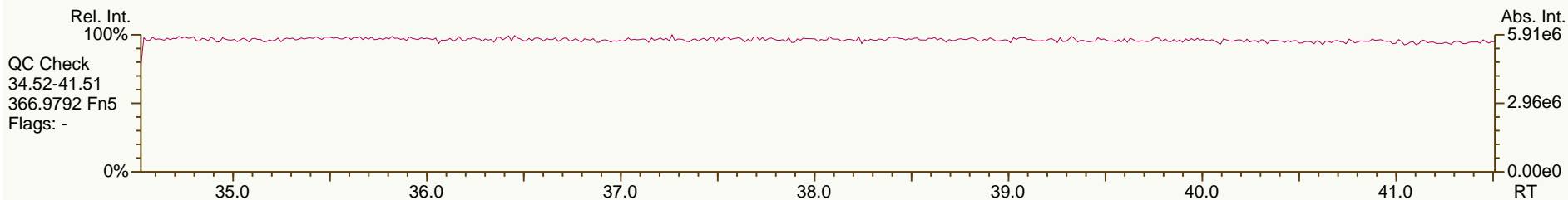
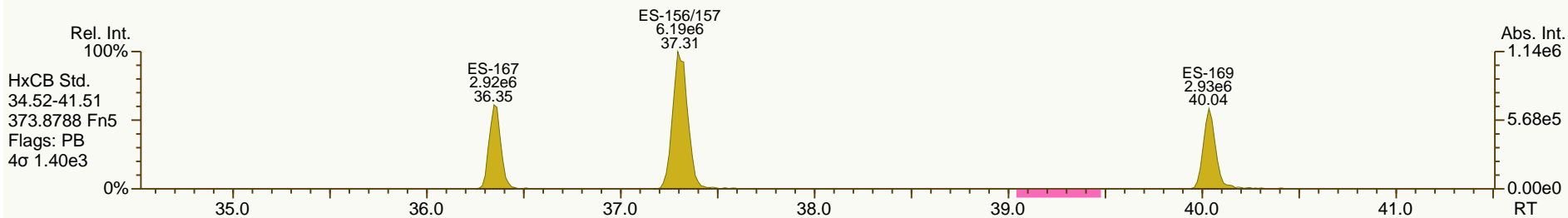
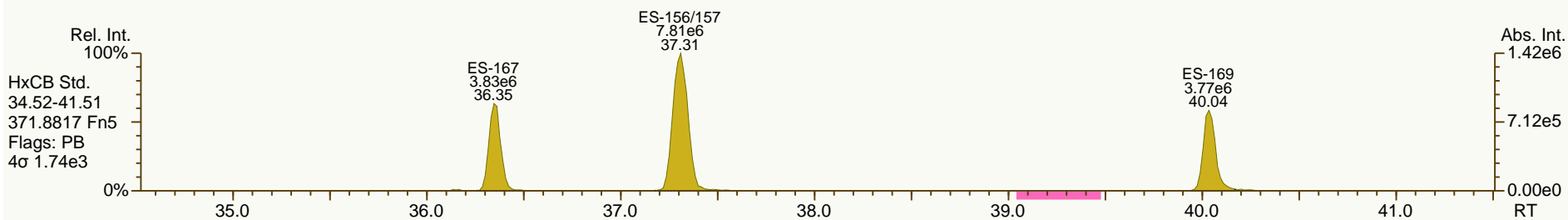
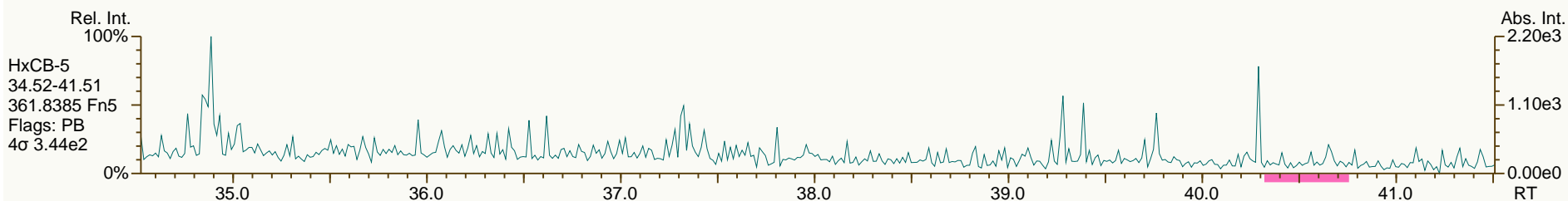
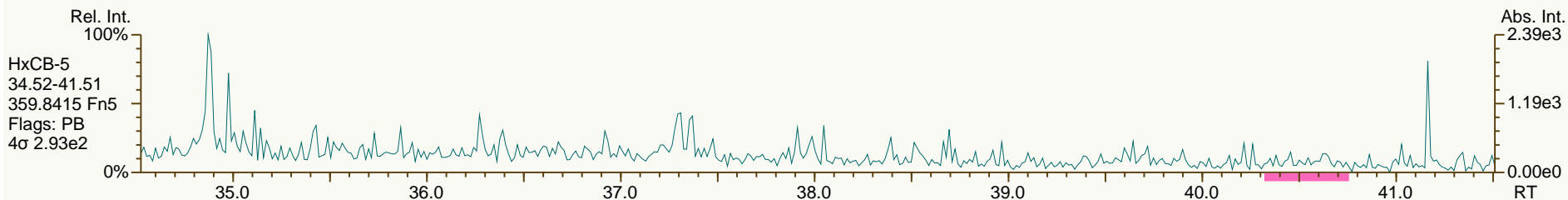
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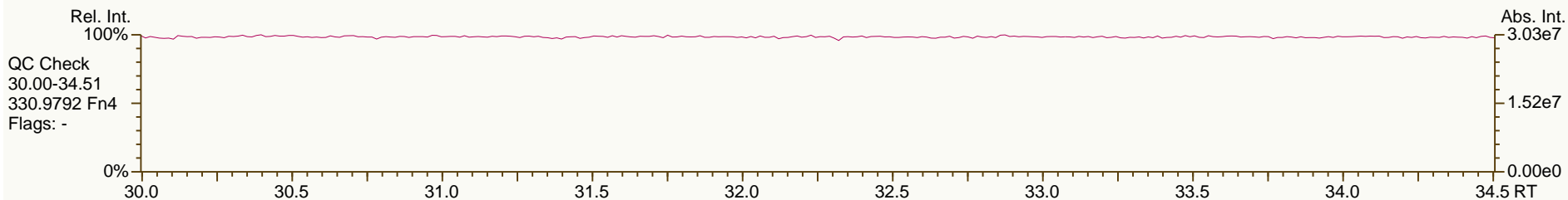
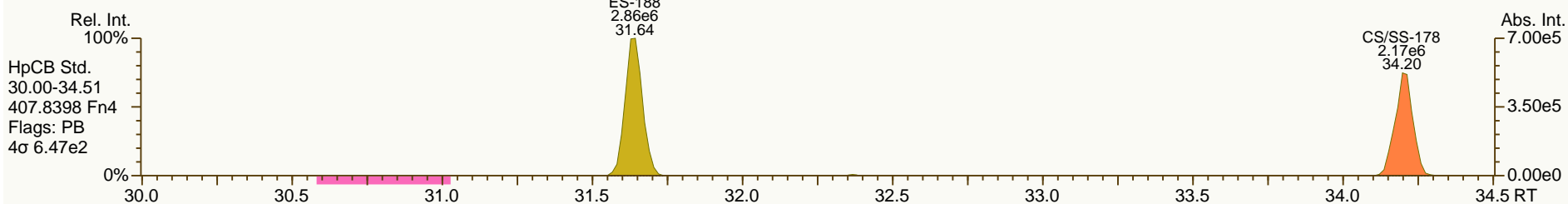
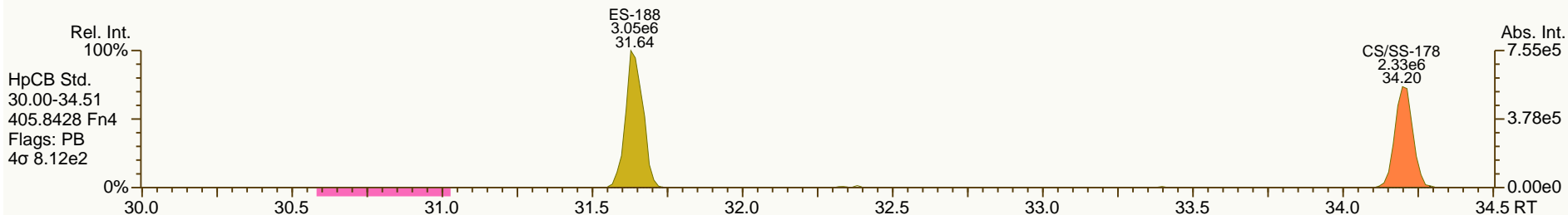
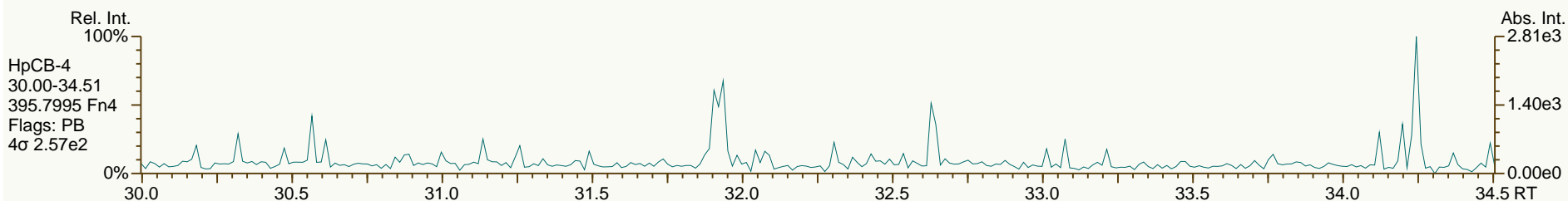
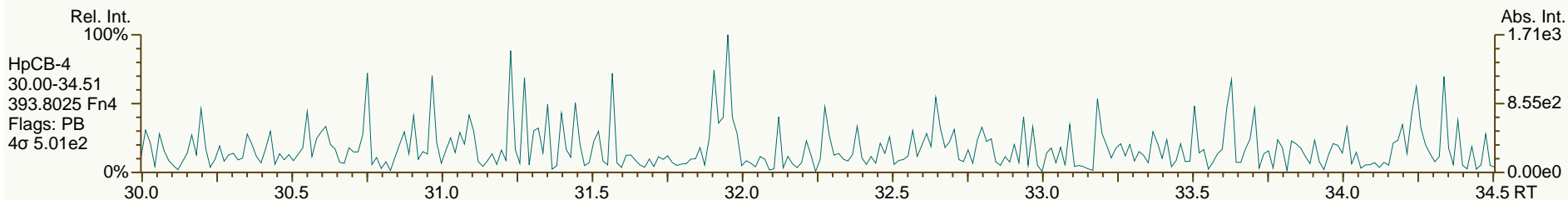
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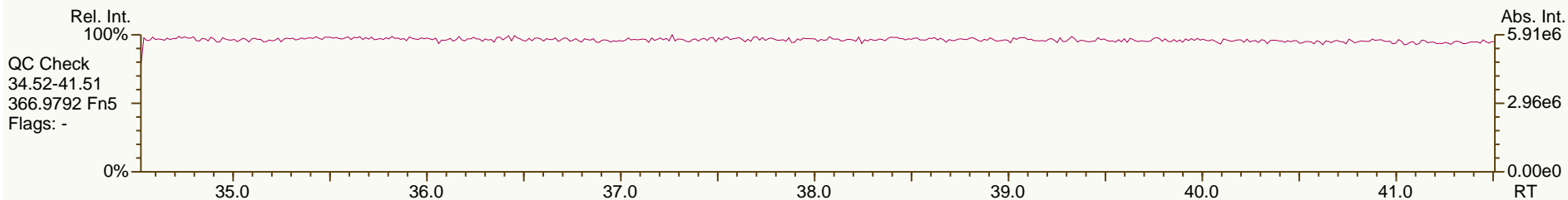
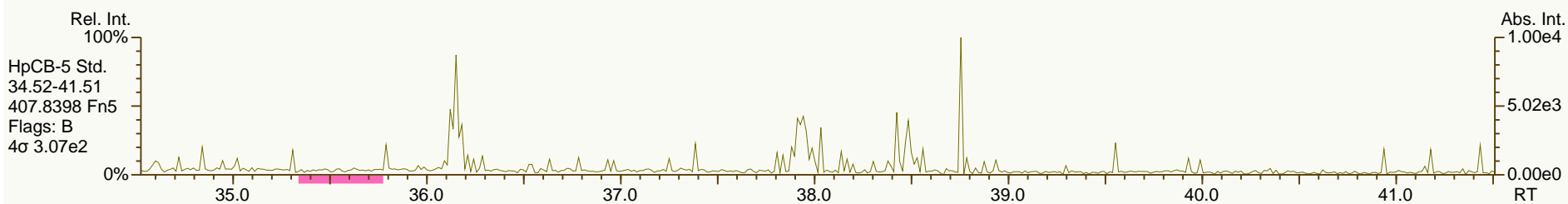
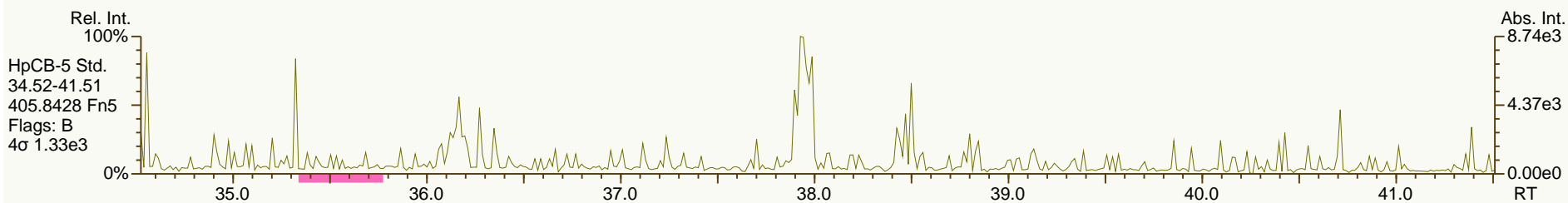
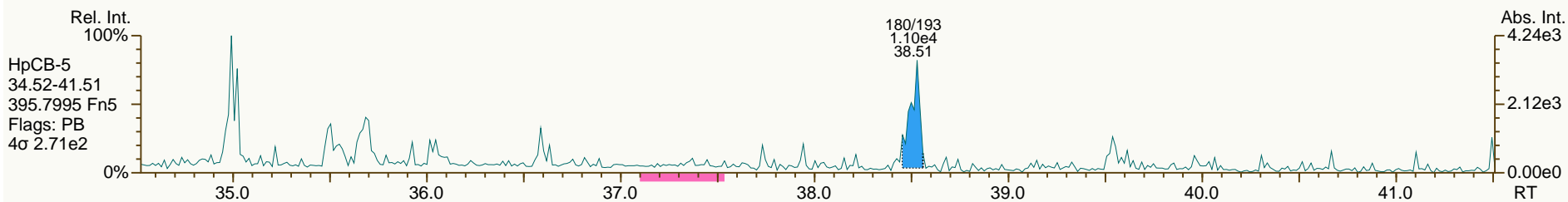
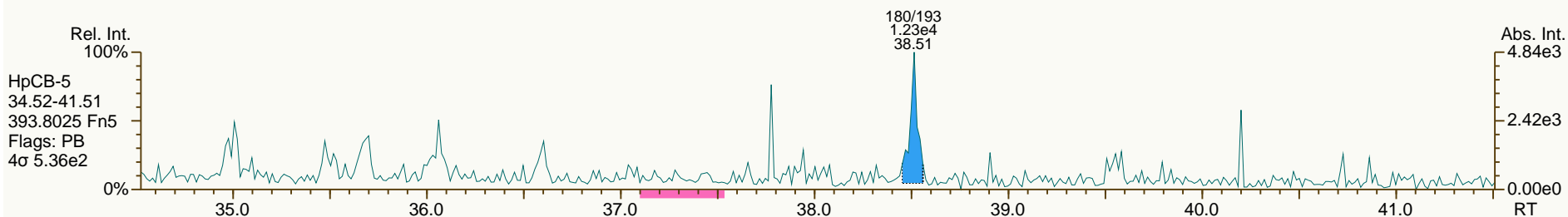
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AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

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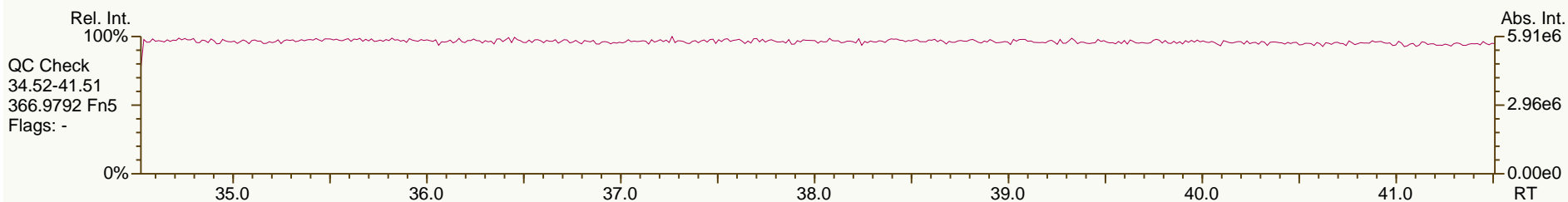
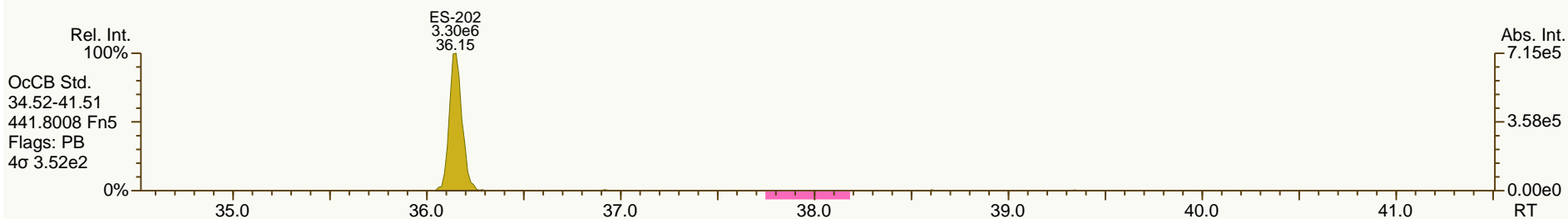
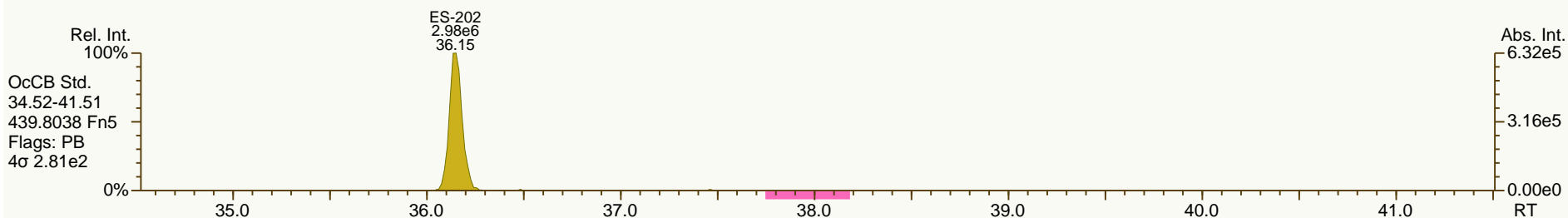
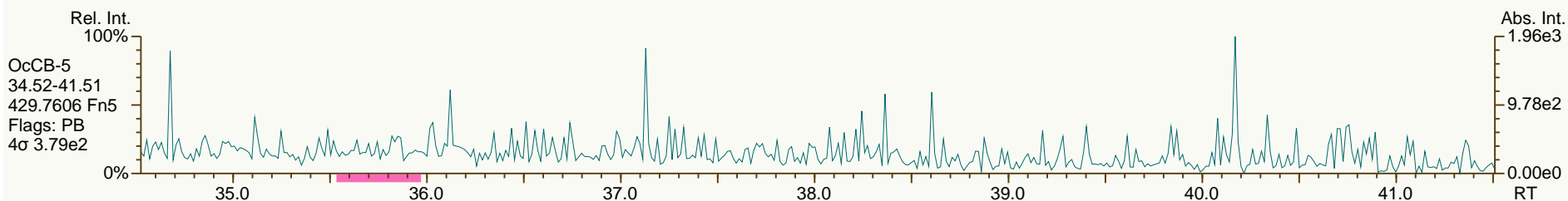
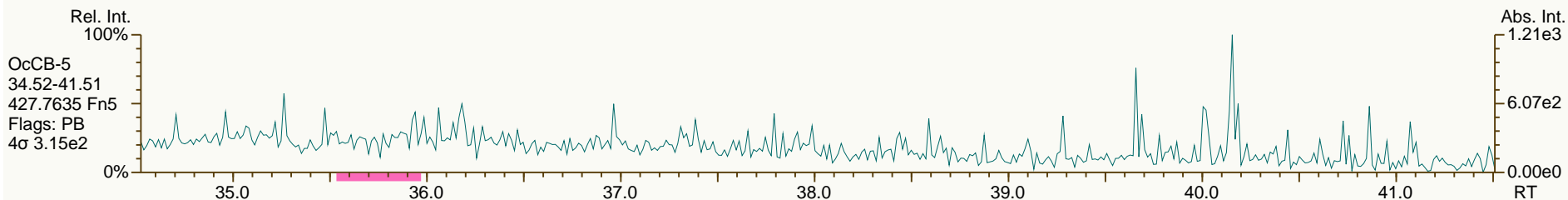
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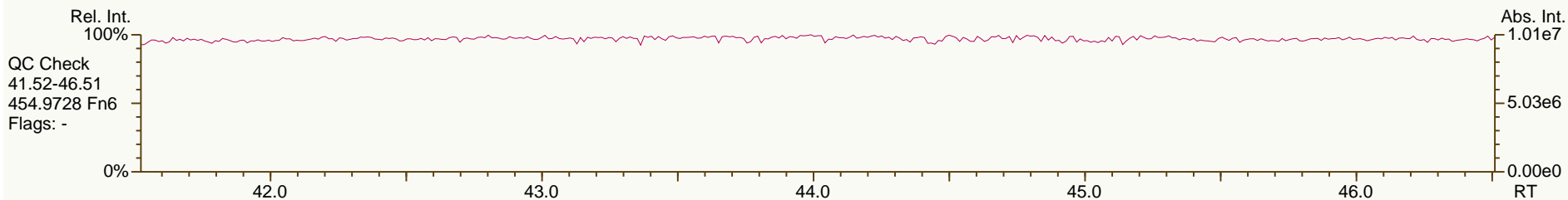
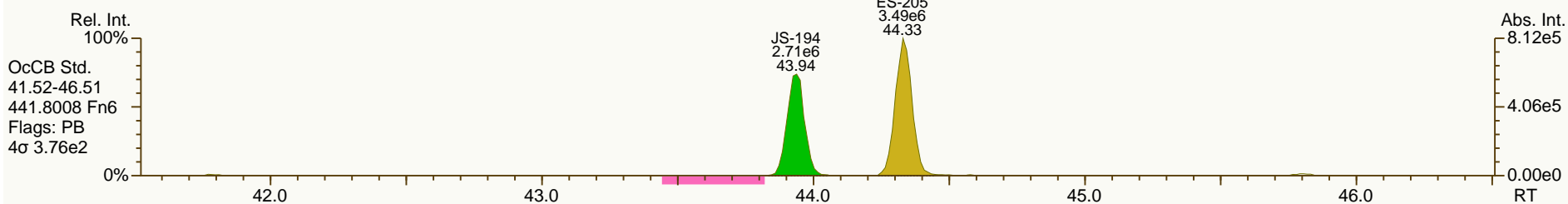
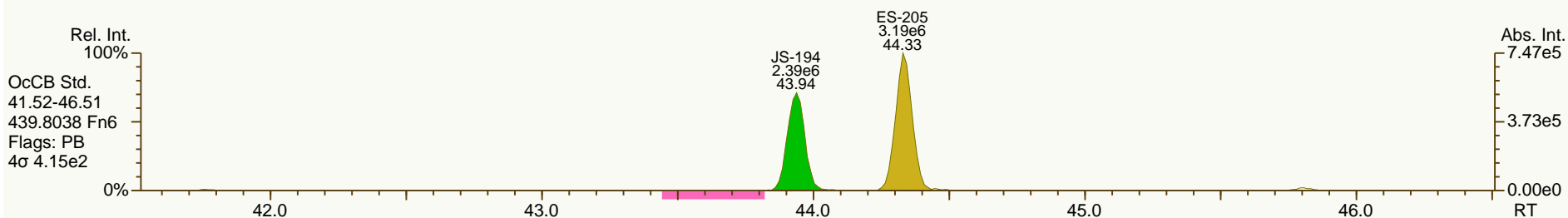
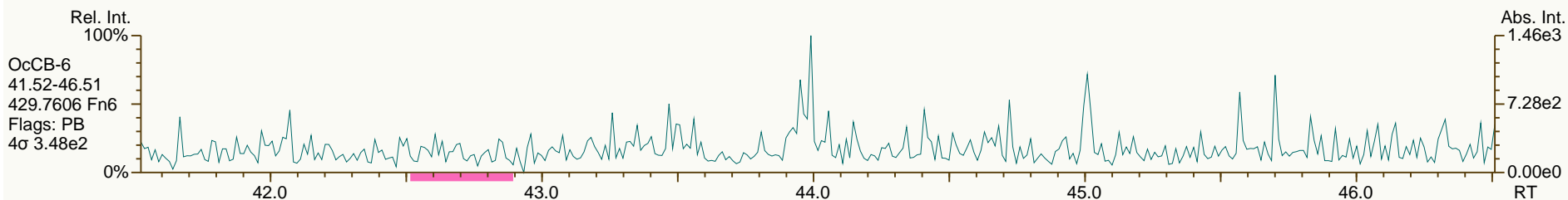
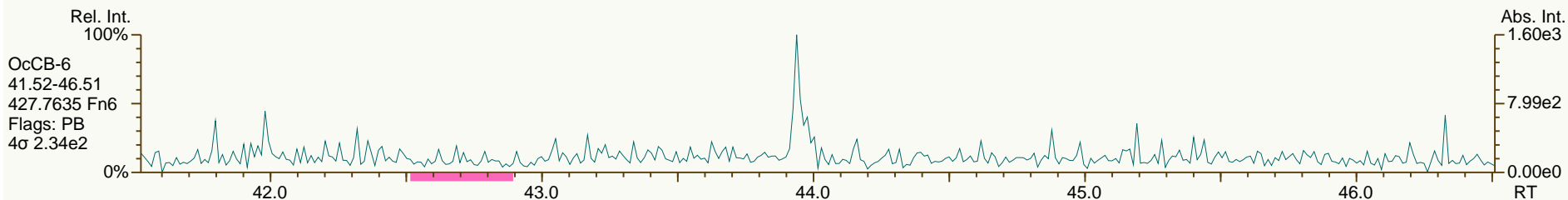
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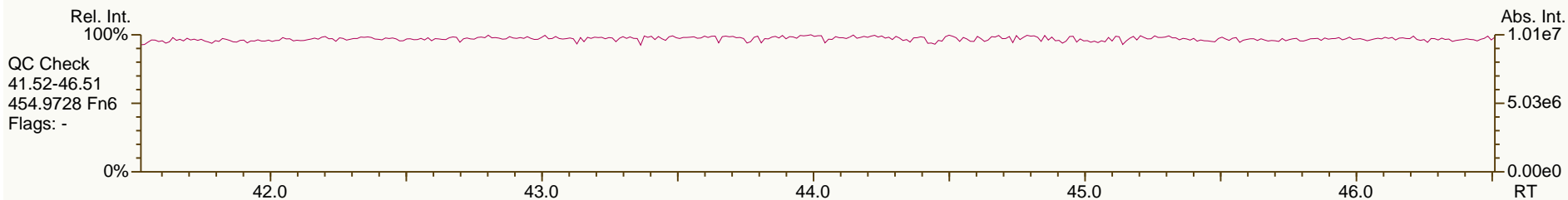
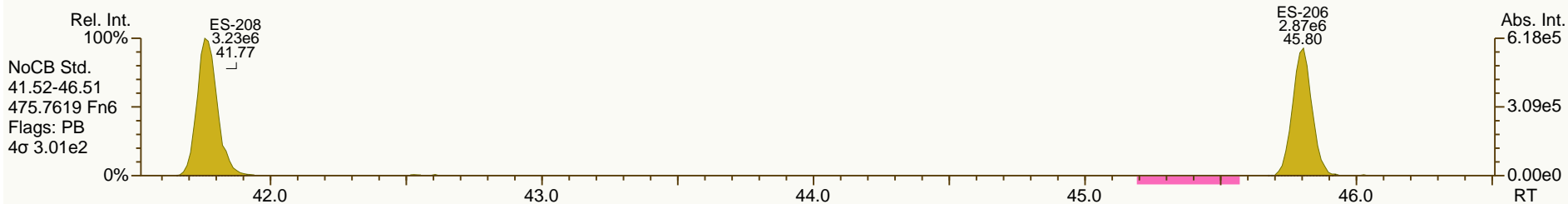
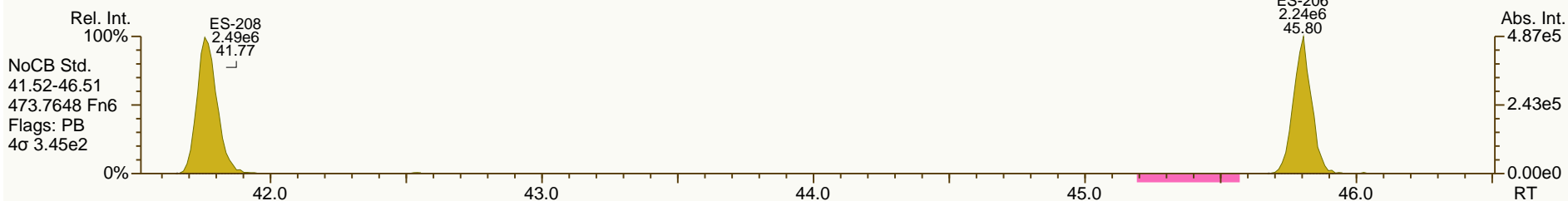
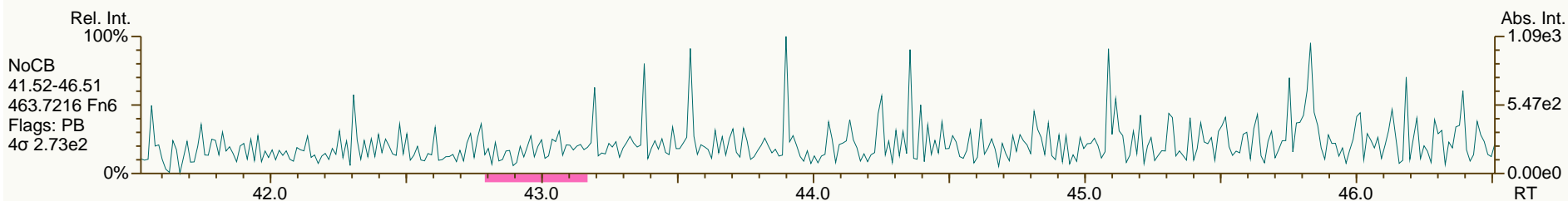
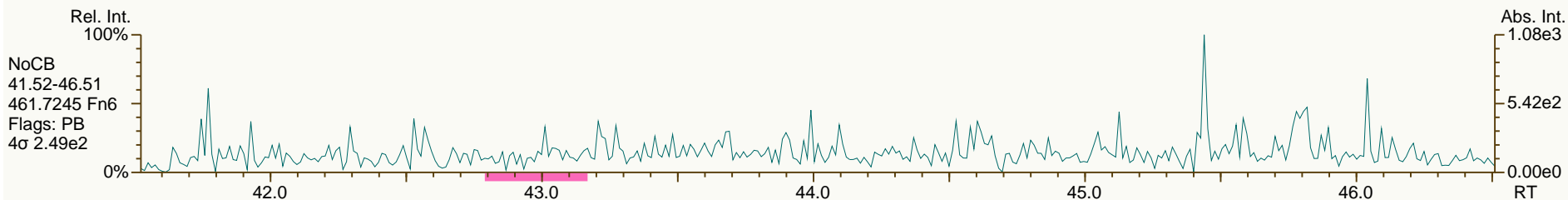
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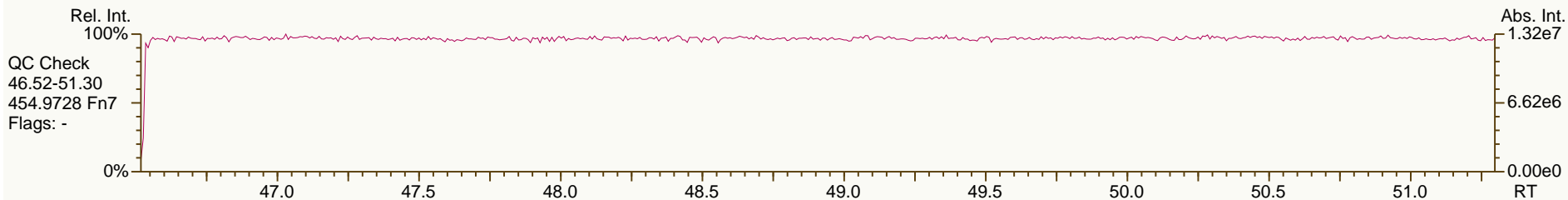
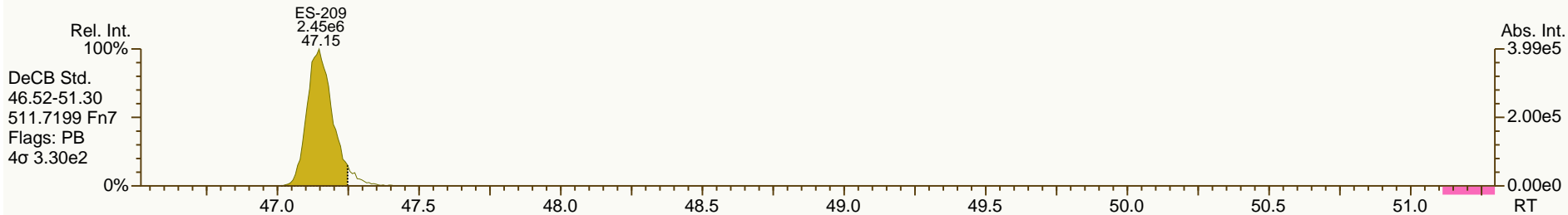
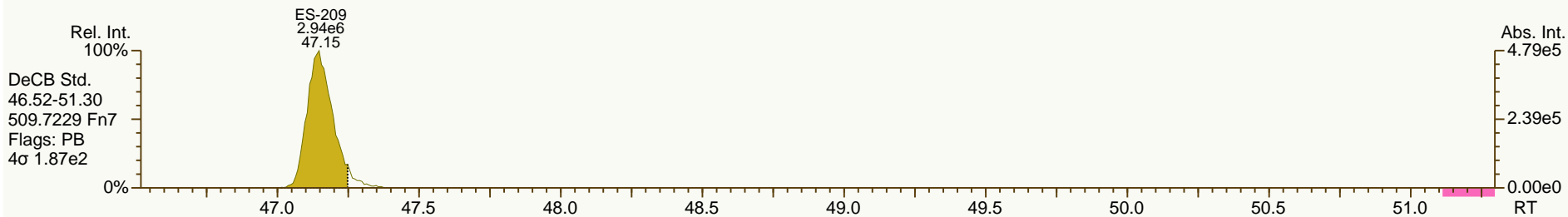
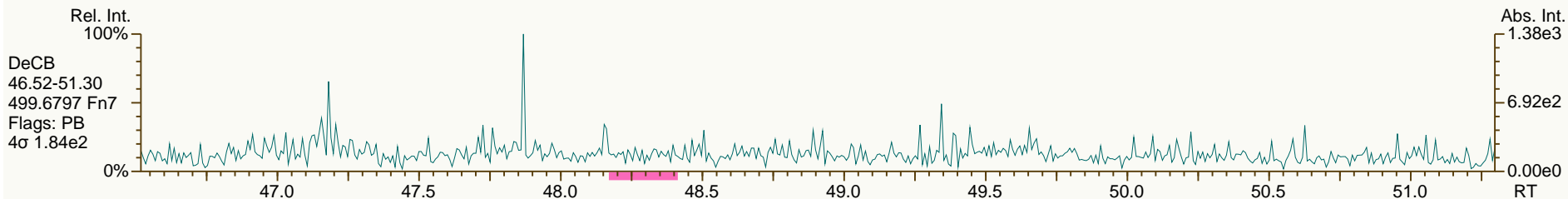
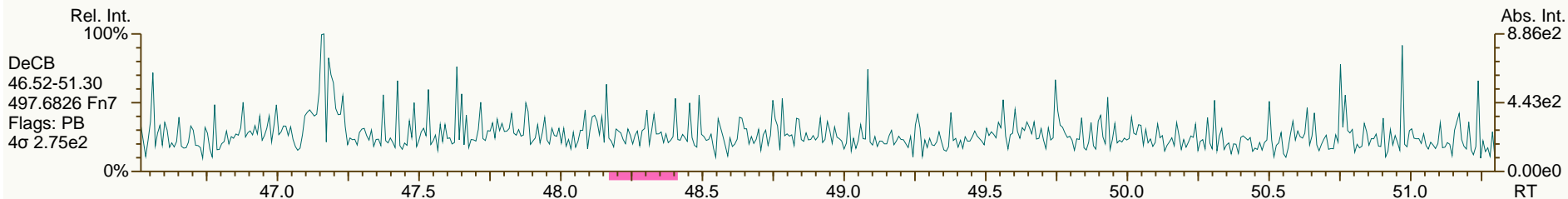
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Sample ID: JW-FB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

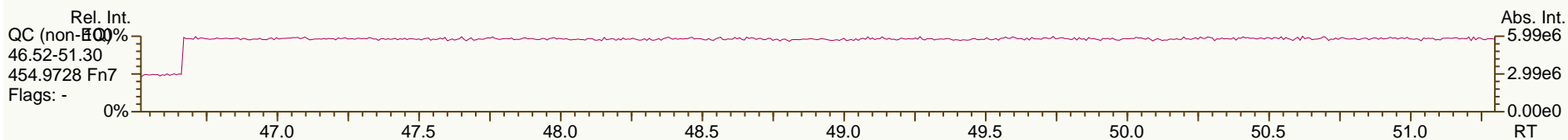
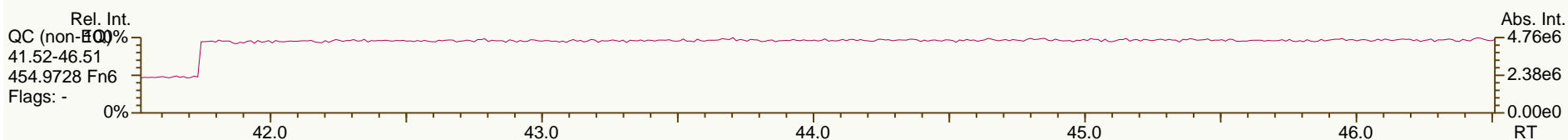
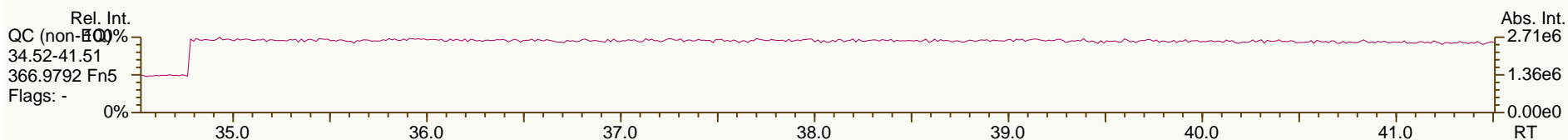
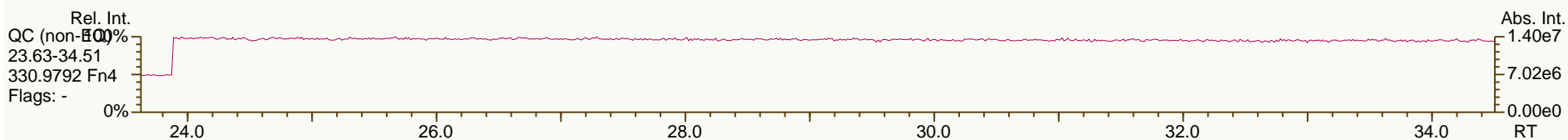
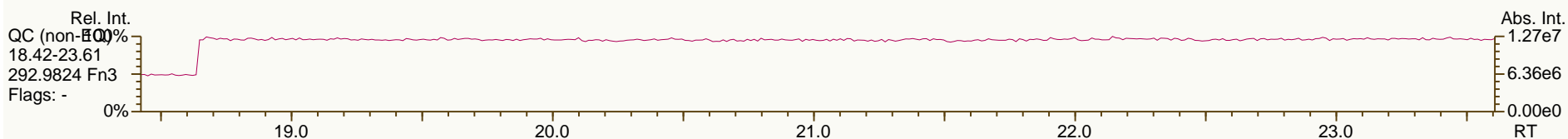
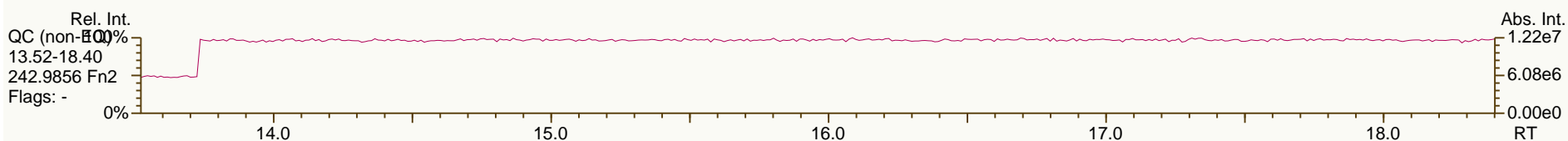
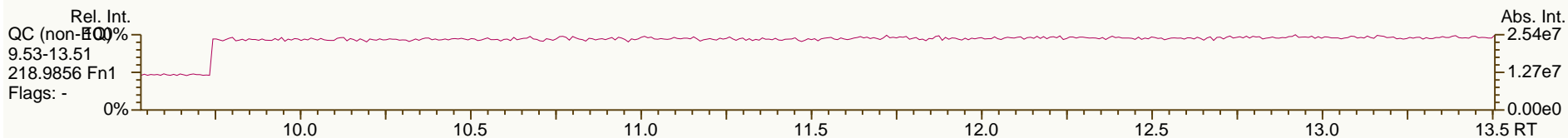
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AP Lab ID: A4367_9888_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-FB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 12

Acq: 29-Jun-2012 18:29:41
User: LKB Datafile: 120629S11



Lab ID: A4367_9888_PCB_002-RJ

ACQ: 29-Jun-2012 19:24:39 LKB Wt/Vol: 0.92 L

ICAL: MM4_PCB_01102012_26JAN12 CS3_120629_PCB_SB

Client ID: JW-RB-120507

UTP: 03-Jul-2012 15:24 LKB

J-level: 10.9 pg/L Split: 1

Checkcode: 417-340-WLP

Datafile: 120629S12

RPT: 03-Jul-2012 15:26 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	9.95E+02	2.11
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	9.95E+02	2.32
PCB-105 233'44'-PeCB	32.19		1.0007	1.0007	0	4.73E+04	0.62	1.03	15.6	8.32E+02	3.06
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	8.32E+02	2.81
PCB-118 23'44'5'-PeCB	31.21	B	1.0008	1.0007	-0.2	1.32E+05	0.60	1.03	43.2	8.32E+02	2.61
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	8.32E+02	3.18
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.10E+03	3.05
PCB-156/157 ...-HxCB	37.31	J C	1.0005	1.0001	-0.9	1.38E+04	1.19	1.05	4.76	7.60E+02	3.48
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	7.60E+02	2.46
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	7.60E+02	3.14
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.33E+02	2.11
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.35E+02	2.93
ES PCB-1	9.83		0.7181	0.7175	-0.4	8.32E+06	3.25	1.01	57 %	4%	100%
ES PCB-3	11.76		0.8583	0.8583	0	8.23E+06	3.32	1.05	54.3 %	11%	106%
ES PCB-4	11.96		0.8732	0.8729	-0.2	4.93E+06	1.62	0.70	49.1 %	14%	107%
ES PCB-15	17.08		1.2453	1.2461	+0.8	9.60E+06	1.62	1.17	56.9 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	4.88E+06	1.06	0.57	59.7 %	1%	108%
ES PCB-37	23.05		1.0865	1.0869	+0.6	7.55E+06	1.10	1.41	78.8 %	25%	123%
ES PCB-54	17.30		0.8157	0.8157	0	6.15E+06	0.82	1.32	68.5 %	13%	105%
ES PCB-77	29.23		1.3777	1.3782	+0.9	8.00E+06	0.81	1.22	96.8 %	31%	109%
ES PCB-81	28.76		1.3557	1.3561	+0.7	7.89E+06	0.78	1.15	101 %	14%	127%
ES PCB-104	22.01		0.8147	0.8147	0	5.49E+06	1.64	1.69	52.8 %	36%	115%
ES PCB-105	32.17		1.1906	1.1908	+0.4	6.40E+06	1.54	1.21	86.1 %	50%	111%
ES PCB-114	31.63		1.1709	1.1711	+0.4	5.88E+06	1.60	1.23	77.4 %	41%	121%
ES PCB-118	31.19		1.1547	1.1548	+0.2	6.43E+06	1.63	1.25	83.8 %	49%	111%
ES PCB-123	30.92		1.1444	1.1446	+0.4	6.29E+06	1.64	1.33	77 %	49%	116%
ES PCB-126	34.78		1.2871	1.2875	+0.8	7.57E+06	1.60	1.36	90.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	6.09E+06	1.25	1.40	78.8 %	25%	124%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	1.21E+07	1.25	1.13	96.8 %	40%	120%
ES PCB-167	36.35		1.0753	1.0753	0	5.99E+06	1.21	1.13	96.2 %	45%	118%
ES PCB-169	40.04		1.1842	1.1845	+0.7	5.90E+06	1.25	1.14	93.7 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7202	-0.4	5.37E+06	1.14	1.34	72.7 %	23%	125%
ES PCB-189	42.17		0.9598	0.9598	0	7.11E+06	1.06	1.77	90.1 %	47%	116%
ES PCB-202	36.15		0.8230	0.8228	-0.4	5.48E+06	0.89	1.27	78.3 %	31%	134%
ES PCB-205	44.33		1.0090	1.0091	+0.3	5.73E+06	0.92	1.25	103 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0425	+0.3	4.38E+06	0.80	1.07	91.8 %	38%	122%
ES PCB-208	41.77		0.9508	0.9507	-0.3	5.11E+06	0.76	1.34	85.5 %	31%	126%
ES PCB-209	47.15		1.0732	1.0731	-0.3	4.58E+06	1.20	1.18	86.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9271	+0.2	8.26E+06	1.04	0.98	111 %	14%	131%
CS/SS PCB-111	29.29	V	1.0843	1.0844	+0.2	6.45E+06	1.60	0.90	114 %	57%	112%
CS/SS PCB-178	34.20		1.0118	1.0117	-0.2	3.70E+06	1.11	0.65	106 %	57%	125%
CS PCB-28	19.66		0.9269	0.9271	+0.2	8.26E+06	1.04	1.39	87.9 %	14%	131%
CS PCB-111	29.29		1.0843	1.0844	+0.2	6.45E+06	1.60	1.19	87.9 %	57%	112%
CS PCB-178	34.20		1.0118	1.0117	-0.2	3.70E+06	1.11	0.87	77.3 %	57%	125%

JS PCB-9	13.70					1.44E+07	1.62				
JS PCB-52	21.21					6.79E+06	0.77				
JS PCB-101	27.01					6.16E+06	1.68				
JS PCB-138	33.81					5.51E+06	1.31				
JS PCB-194	43.94					4.47E+06	0.92				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	0	0	2.8
	Di-CBs	0	0	38.5
	Tri-CBs	27.8	50.1	3.11
	Tetra-CBs	177	194	2.36
	Penta-CBs	295	314	2.98
	Hexa-CBs	128	217	2.8
	Hepta-CBs	37	37	3.85
	Octa-CBs	0	0	3.02
	Nona-CBs	0	0	3.21

PCB-1 2-MoCB	NotFnd		1.0011	-	0.00E+00	1.20	ND	2.16E+03	2.42
PCB-2 3-MoCB	NotFnd		0.9878	-	0.00E+00	1.24	ND	2.16E+03	2.9
PCB-3 4-MoCB	NotFnd		1.0010	-	0.00E+00	1.13	ND	2.16E+03	3.17
PCB-4 22'-DiCB	NotFnd		1.0012	-	0.00E+00	0.94	ND	1.64E+04	45.5
PCB-10 26-DiCB	NotFnd		1.0142	-	0.00E+00	1.63	ND	1.64E+04	26.4
PCB-9 25-DiCB	NotFnd		1.0011	-	0.00E+00	1.00	ND	1.66E+04	31.4
PCB-7 24-DiCB	NotFnd		1.0116	-	0.00E+00	1.17	ND	1.66E+04	27
PCB-6 23'-DiCB	NotFnd		1.0261	-	0.00E+00	1.07	ND	1.66E+04	29.5
PCB-5 23-DiCB	NotFnd		1.0451	-	0.00E+00	1.08	ND	1.66E+04	29.1
PCB-8 24'-DiCB	NotFnd		1.0533	-	0.00E+00	1.17	ND	1.66E+04	27.1
PCB-14 35-DiCB	NotFnd		0.9287	-	0.00E+00	1.28	ND	1.66E+04	24.6
PCB-11 33'-DiCB	NotFnd		0.9701	-	0.00E+00	1.06	ND	1.66E+04	29.9
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-	0.00E+00	1.11	ND	1.66E+04	28.5
PCB-15 44'-DiCB	NotFnd		1.0008	-	0.00E+00	1.01	ND	1.66E+04	31.4

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.01	ND	1.11E+03	3.47
PCB-30/18 246/22'5-TrCB	16.30	J C	1.1110	1.1116	+0.6	2.26E+04	1.03	1.24	8.14	1.11E+03	2.83
PCB-17 22'4-TrCB	16.66	J EMPC	1.1357	1.1361	+0.4	1.31E+04	0.85	1.03	5.65	1.11E+03	3.4
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.40	ND	1.11E+03	2.5
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.34	ND	1.11E+03	2.63
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.81	ND	1.11E+03	4.33
PCB-32 24'6-TrCB	17.49	J EMPC	1.1923	1.1929	+0.6	1.25E+04	0.85	1.49	3.73	1.11E+03	2.35
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.27	ND	1.18E+03	2.59
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.33	ND	1.18E+03	2.48
PCB-26/29 23'5/245-TrCB	18.96	J C	0.8236	0.8223	-1.5	2.15E+04	0.94	1.34	4.63	1.18E+03	2.46
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.34	ND	1.18E+03	2.46
PCB-31 24'5-TrCB	19.43	J	0.8430	0.8428	-0.2	4.51E+04	1.13	1.38	9.4	1.18E+03	2.38
PCB-28/20 244'/233'-TrCB	19.68	J EMPC C	0.8542	0.8539	-0.4	4.23E+04	1.29	1.32	9.21	1.18E+03	2.49
PCB-21/33 234/23'4'-TrCB	19.87	J C	0.8612	0.8621	+1.1	2.66E+04	1.11	1.36	5.63	1.18E+03	2.42
PCB-22 234'-TrCB	20.20	J EMPC	0.8766	0.8765	-0.1	1.57E+04	1.26	1.23	3.67	1.18E+03	2.67
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.31	ND	1.18E+03	2.52
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.39	ND	1.18E+03	2.38
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.21	ND	1.18E+03	2.72
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.19	ND	1.18E+03	2.77
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.20	ND	1.18E+03	2.75
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	6.88E+02	2.03
PCB-50/53 22'46/22'56'-TeCB	19.17	J EMPC C	0.9051	0.9041	-1.2	1.74E+04	0.61	0.76	6.32	6.70E+02	2.56
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.65	ND	6.70E+02	3
PCB-51 22'46'-TeCB	19.81	J	0.9340	0.9342	+0.2	1.70E+04	0.70	0.76	6.18	6.70E+02	2.56
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.61	ND	6.70E+02	3.2
PCB-52 22'55'-TeCB	21.23		1.0010	1.0011	+0.1	1.23E+05	0.79	0.69	49	6.70E+02	2.79
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.94	ND	6.70E+02	2.06
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.63	ND	6.70E+02	3.08
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0209	+1.4	8.31E+04	0.75	0.88	26	6.70E+02	2.2
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.71	ND	6.70E+02	2.72
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0413	-0.4	9.14E+04	0.89	0.77	32.7	6.70E+02	2.52
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		0.98	ND	6.70E+02	1.98
PCB-42 22'34'-TeCB	22.52	J EMPC	1.0612	1.0617	+0.7	1.29E+04	0.54	0.68	5.18	6.70E+02	2.84
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.61	ND	6.70E+02	3.2
PCB-71/40 23'4'6/22'33'-TeCB	22.93	J C	1.0806	1.0813	+1.0	2.55E+04	0.69	0.74	9.47	6.70E+02	2.61
PCB-64 234'6-TeCB	23.12	J EMPC	1.0899	1.0902	+0.4	2.01E+04	0.96	1.03	5.38	6.70E+02	1.88
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.27	ND	9.95E+02	2.27
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.38	ND	9.95E+02	2.09
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.23	ND	9.95E+02	2.34
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.25	ND	9.95E+02	2.3
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.28	ND	9.95E+02	2.24
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.36	ND	9.95E+02	2.12
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8792	0	1.52E+05	0.77	1.28	32.8	9.95E+02	2.26
PCB-66 23'44'-TeCB	25.56		0.8888	0.8887	-0.2	7.35E+04	0.82	1.18	17.2	9.95E+02	2.45
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.25	ND	9.95E+02	2.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.11	J	0.9080	0.9080	0	1.53E+04	0.78	1.17	3.6	9.95E+02	2.47
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.25	ND	9.95E+02	2.31
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.40	ND	9.95E+02	2.06
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.32	ND	9.95E+02	2.18
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.14	ND	9.95E+02	2.53
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	8.09E+02	3.19
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.87	ND	8.09E+02	3.36
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.84	ND	8.32E+02	3.51
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.74	ND	8.32E+02	3.96
PCB-95 22'35'6'-PeCB	24.53	B	0.9082	0.9083	+0.1	8.93E+04	0.70	0.76	40.3	8.32E+02	3.84
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.81	ND	8.32E+02	3.62
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.80	ND	8.32E+02	3.66
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.77	ND	8.32E+02	3.83
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.78	ND	8.32E+02	3.79
PCB-91 22'34'6'-PeCB	25.26	J EMPC	0.9352	0.9353	+0.2	1.09E+04	0.49	0.83	4.53	8.32E+02	3.55
PCB-84 22'33'6'-PeCB	25.44	J EMPC	0.9416	0.9417	+0.2	1.66E+04	0.50	0.68	8.43	8.32E+02	4.32
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.71	ND	8.32E+02	4.15
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	8.32E+02	2.75
PCB-92 22'355'-PeCB	26.55	J	0.9825	0.9828	+0.5	2.17E+04	0.65	0.75	9.96	8.32E+02	3.91
PCB-113/90/101 ...-PeCB	27.03	B C	0.9999	1.0008	+1.5	1.38E+05	0.60	0.87	54.4	8.32E+02	3.37
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.32E+02	4.74
PCB-99 22'44'5'-PeCB	27.53		1.0190	1.0191	+0.2	6.88E+04	0.64	0.82	28.8	8.32E+02	3.56
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.00	ND	8.32E+02	2.93
PCB-108/119/86/97/125...-PeCB	27.97	J C	1.0347	1.0356	+1.5	9.37E+04	0.70	0.89	36.2	8.32E+02	3.29
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.81	ND	8.32E+02	3.61
PCB-116/85 23456/22'344'-PeCB	28.55	J EMPC C	1.0566	1.0571	+0.9	1.59E+04	0.46	0.97	5.66	8.32E+02	3.03
PCB-110 233'4'6'-PeCB	28.68	B	1.0615	1.0616	+0.2	1.72E+05	0.59	0.89	66.9	8.32E+02	3.3
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.12	ND	8.32E+02	2.64
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	8.32E+02	4.51
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	8.32E+02	2.81
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.05	ND	8.32E+02	2.8
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	8.32E+02	3.06
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.95	ND	8.32E+02	3.1
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		1.00	ND	8.32E+02	2.94
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		1.00	ND	8.32E+02	3.08
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.01	ND	8.32E+02	3.11
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.37E+02	2.13
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.96	ND	6.37E+02	2.34
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.97	ND	6.37E+02	2.32
PCB-136 22'33'66'-HxCB	27.41	J	1.0216	1.0216	0	1.74E+04	1.42	0.90	6.89	6.37E+02	2.49
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	6.37E+02	2.39
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.71	ND	6.37E+02	3.16
PCB-151/135 ...-HxCB	29.47	J EMPC C	1.0986	1.0984	-0.4	3.02E+04	1.03	0.70	15.4	6.37E+02	3.22
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.77	ND	6.37E+02	2.9
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	6.37E+02	3.2

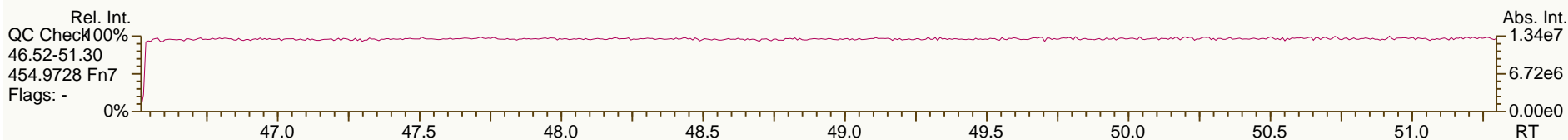
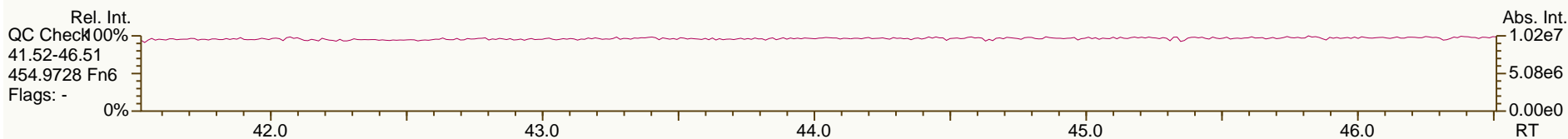
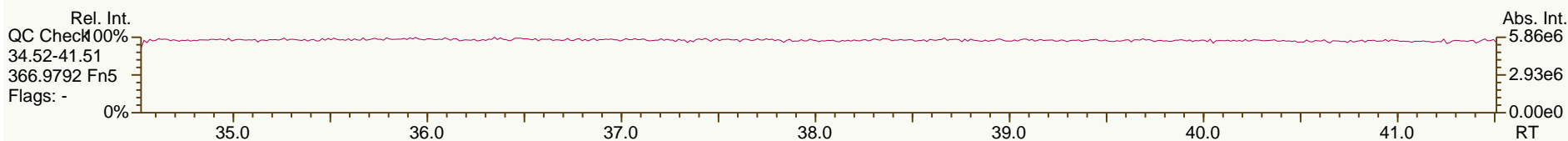
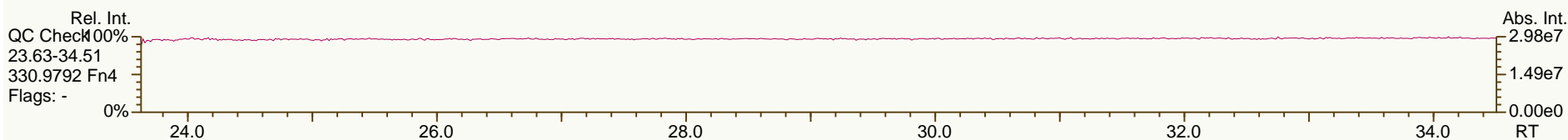
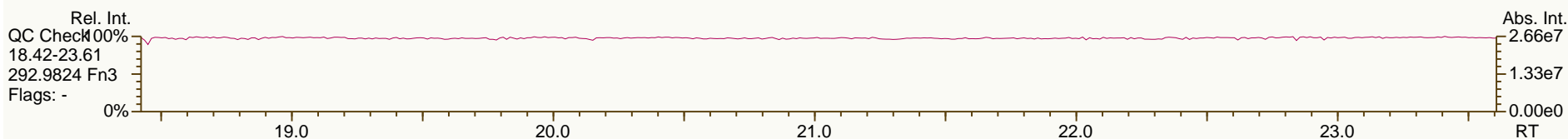
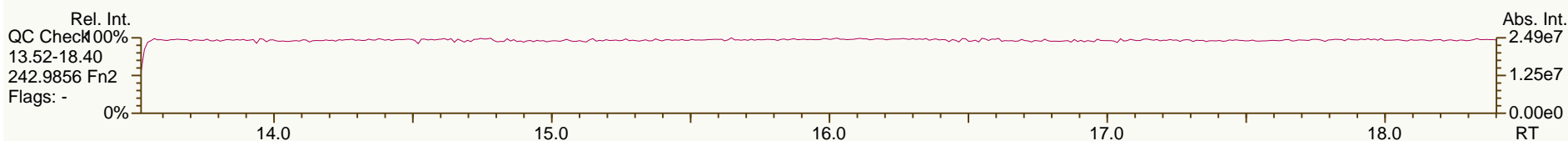
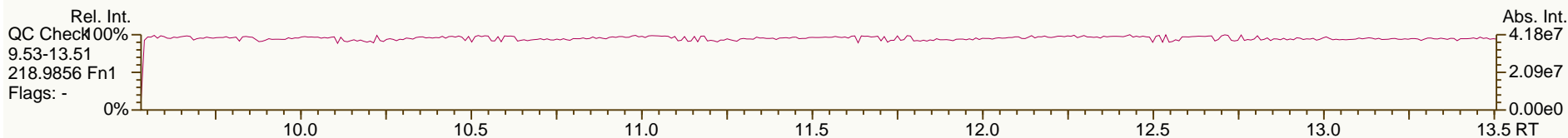
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	EMPC C	1.1269	1.1270	+0.2	7.35E+04	1.54	0.71	36.9	6.37E+02	3.16
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.55	ND	6.37E+02	4.1
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.37E+02	3.14
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	6.37E+02	3.07
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	6.37E+02	3.65
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.63	ND	6.37E+02	3.54
PCB-132 22'33'46"-HxCB	31.28	EMPC	1.1655	1.1655	0	3.69E+04	1.03	0.64	20.7	6.37E+02	3.53
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	6.37E+02	3.42
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.80	ND	6.37E+02	2.81
PCB-146 22'34'55"-HxCB	32.28	J	0.9550	0.9547	-0.6	1.44E+04	1.34	0.71	7.2	6.37E+02	3.14
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	6.37E+02	2.56
PCB-153/168 ...-HxCB	32.80	C	0.9709	0.9702	-1.4	1.06E+05	1.43	0.89	42.6	6.37E+02	2.53
PCB-141 22'34'55"-HxCB	32.95	J EMPC	0.9746	0.9746	0	1.31E+04	1.68	0.68	6.85	6.37E+02	3.29
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	6.37E+02	3.86
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.73	ND	6.37E+02	3.08
PCB-164 233'4'5'6"-HxCB	33.57	J EMPC	0.9930	0.9929	-0.2	7.73E+03	1.54	0.85	3.24	6.37E+02	2.64
PCB-163/138/129 ...-HxCB	33.83	C	1.0012	1.0008	-0.8	1.22E+05	1.30	0.72	60.2	6.37E+02	3.1
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.84	ND	6.37E+02	2.68
PCB-158 233'44'6"-HxCB	34.17	J	1.0106	1.0109	+0.6	1.56E+04	1.21	0.94	5.94	6.37E+02	2.39
PCB-128/166 ...-HxCB	34.88	J EMPC C	0.9593	0.9594	+0.2	1.72E+04	1.49	0.95	6.6	7.60E+02	2.81
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.07	ND	7.60E+02	2.48
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	7.60E+02	2.44
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	7.90E+02	3.2
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.97	ND	7.90E+02	3.49
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.96	ND	7.90E+02	3.56
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.07	ND	7.90E+02	3.17
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.00	ND	7.90E+02	3.41
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.73	ND	7.90E+02	4.69
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.77	ND	9.66E+02	5.41
PCB-187 22'34'55'6"-HpCB	35.00		1.1057	1.1061	+0.8	2.39E+04	0.91	0.79	12.2	9.66E+02	5.27
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.81	ND	9.66E+02	5.17
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.91	ND	9.66E+02	4.59
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.72	ND	9.66E+02	5.81
PCB-174 22'33'456"-HpCB	35.68		1.1276	1.1275	-0.2	1.81E+04	1.03	0.65	11.2	9.66E+02	6.38
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.67	ND	9.66E+02	6.23
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.79	ND	9.66E+02	5.3
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.70	ND	9.66E+02	5.97
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.66	ND	9.66E+02	4.67
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.85	ND	9.66E+02	3.63
PCB-180/193 ...-HpCB	38.51	J C	0.9127	0.9132	+1.2	3.73E+04	1.12	0.84	13.5	9.66E+02	3.67
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.89	ND	9.66E+02	3.48
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	9.66E+02	4.43
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	9.66E+02	3.41
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	6.40E+02	3.62
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.94	ND	6.40E+02	3.17

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.40E+02	3.35
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.92	ND	6.40E+02	3.23
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	6.40E+02	3.18
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	6.40E+02	4.47
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	6.40E+02	4.25
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.40E+02	4.03
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.69	ND	6.20E+02	3.84
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	6.20E+02	3.57
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	6.20E+02	2.43
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.20E+02	3.06
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	5.20E+02	3.03
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.20E+02	3.35

AP Lab ID: A4367_9888_PCB_002-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

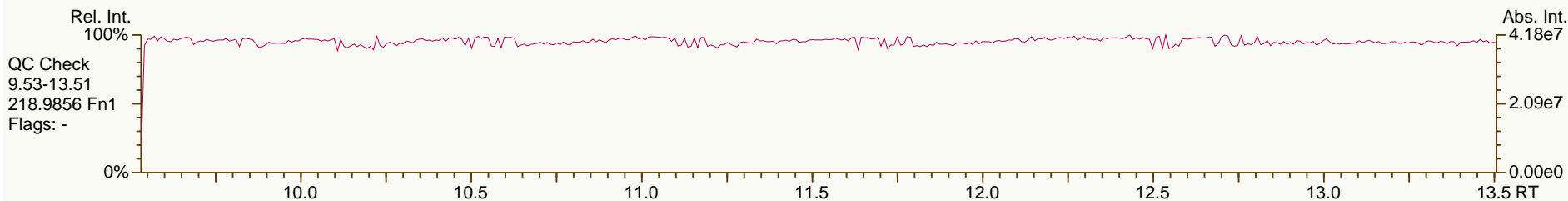
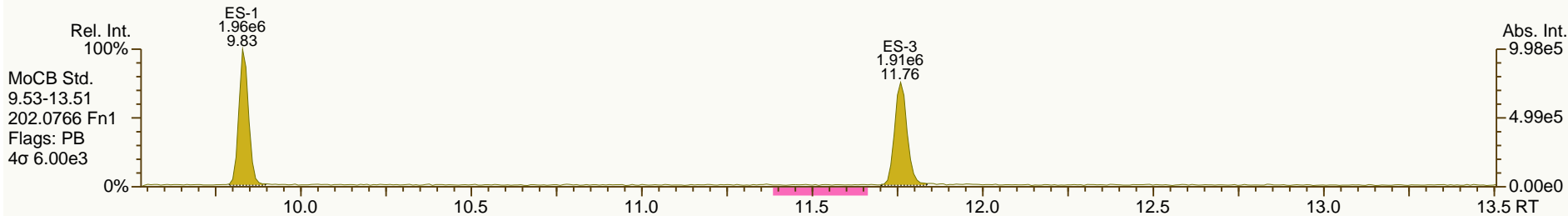
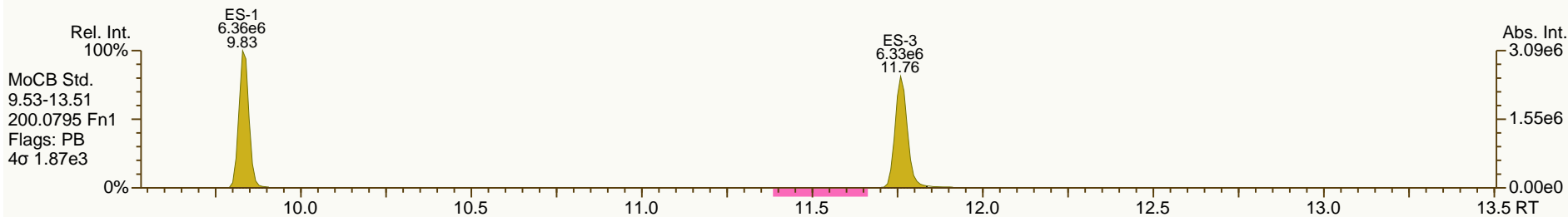
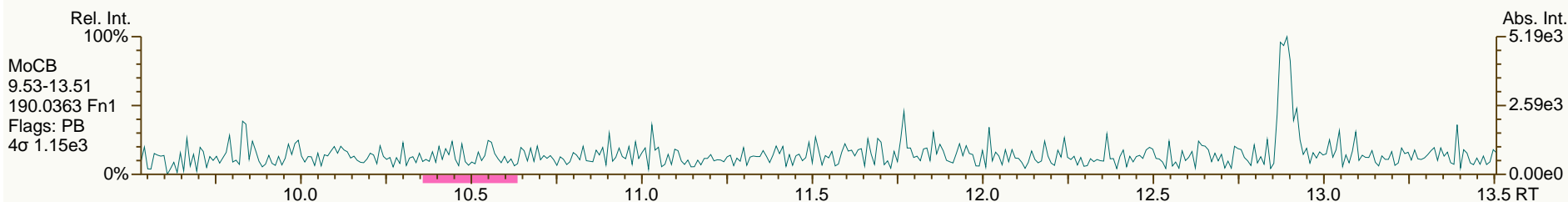
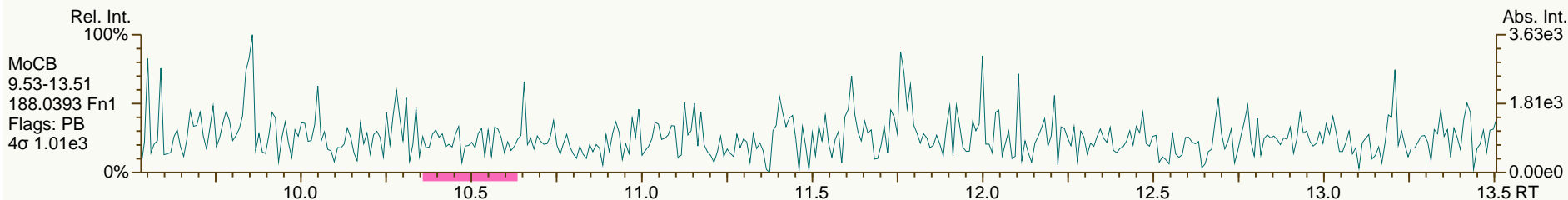
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AP Lab ID: A4367_9888_PCB_002-RJ
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Sample ID: JW-RB-120507
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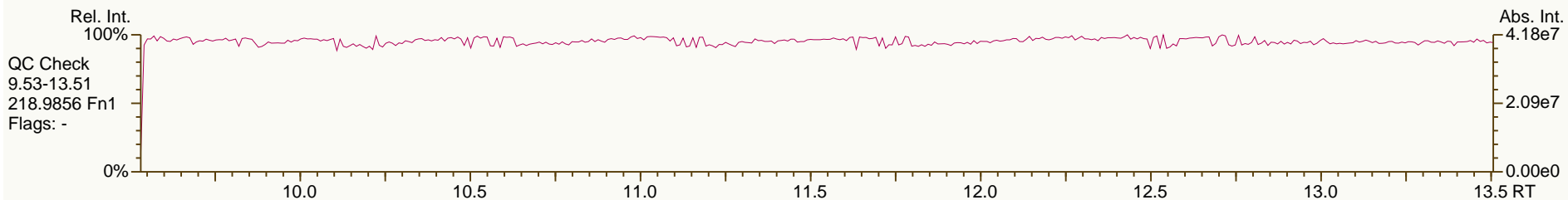
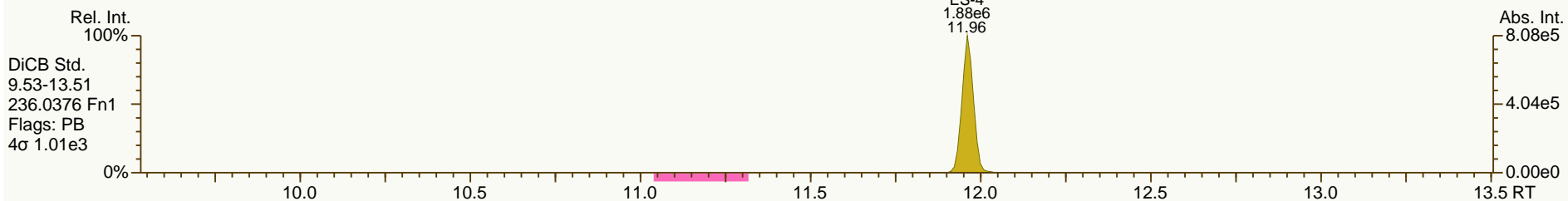
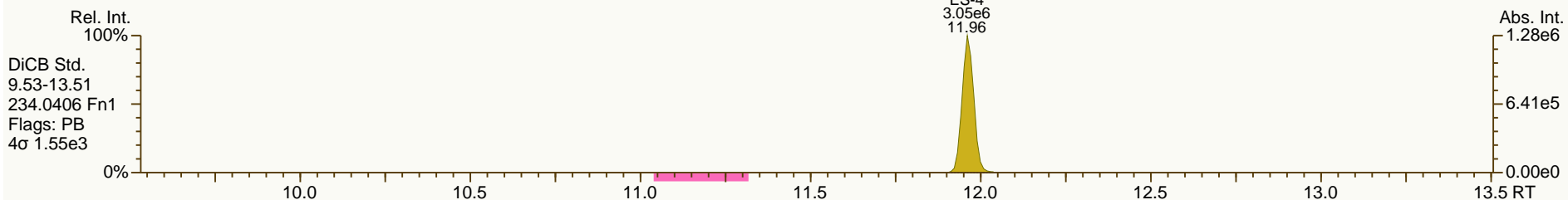
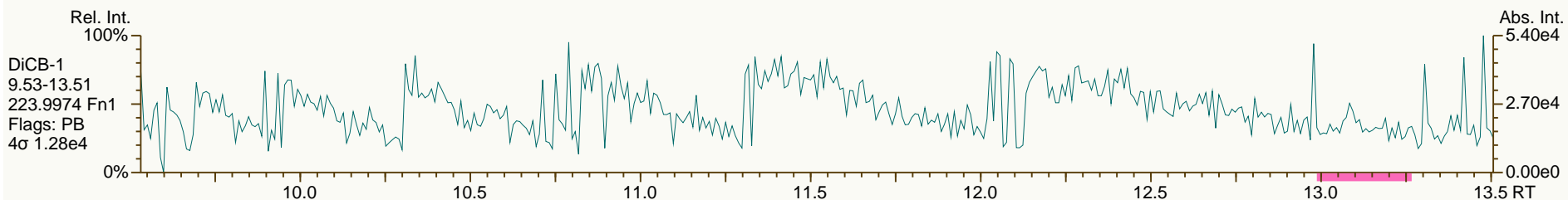
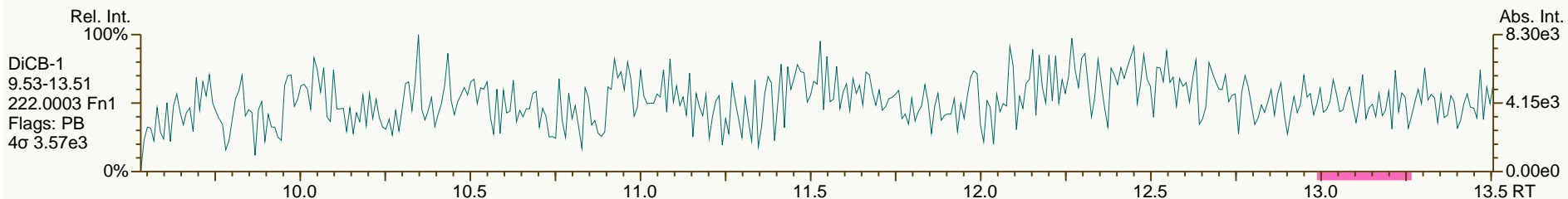
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AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
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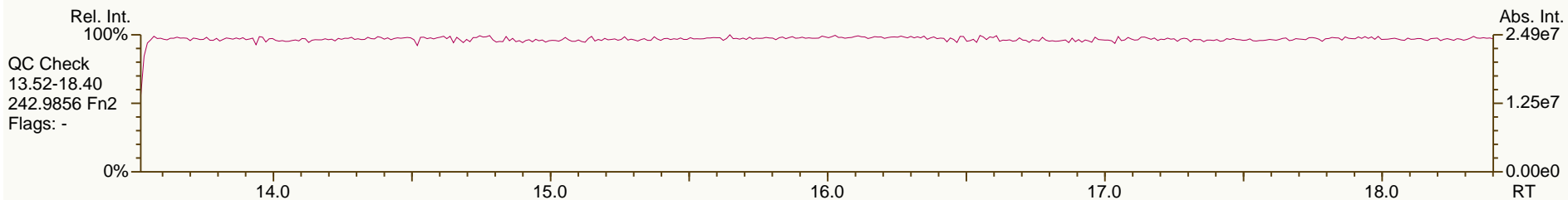
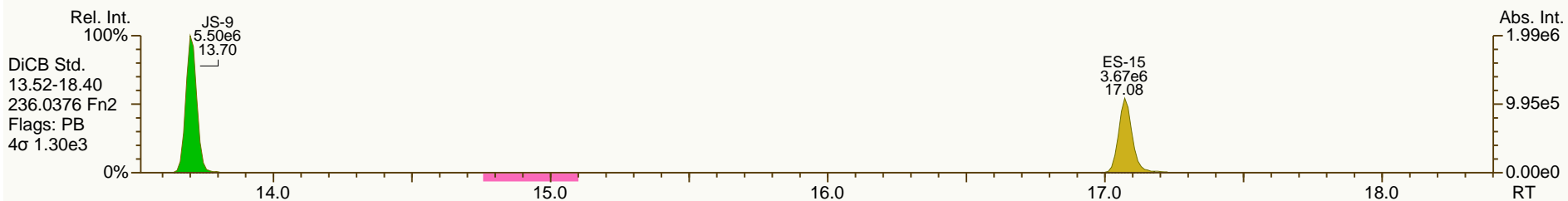
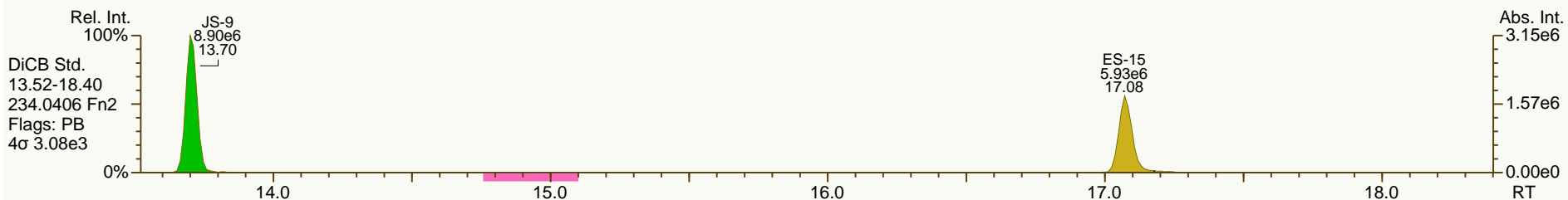
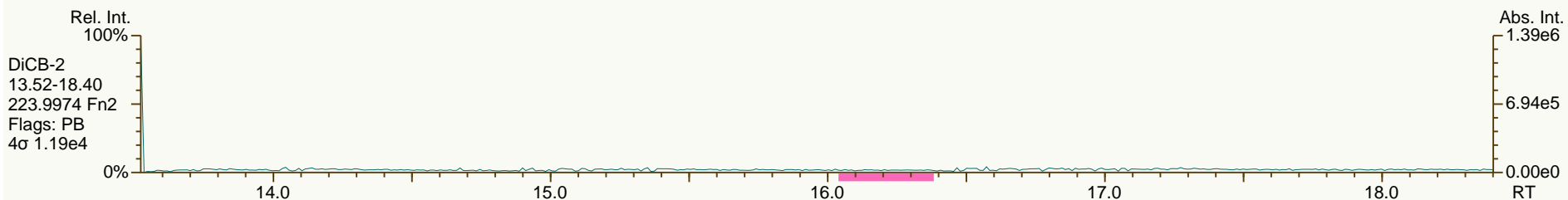
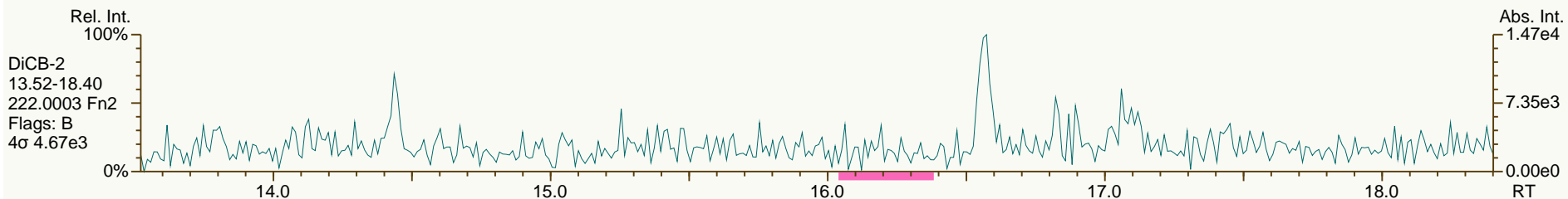
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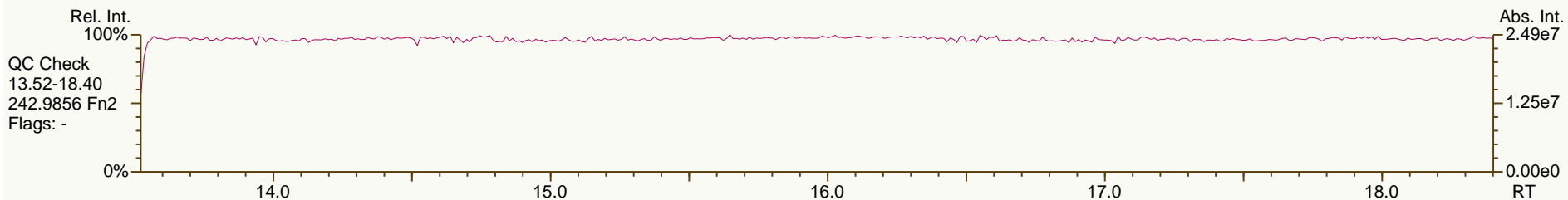
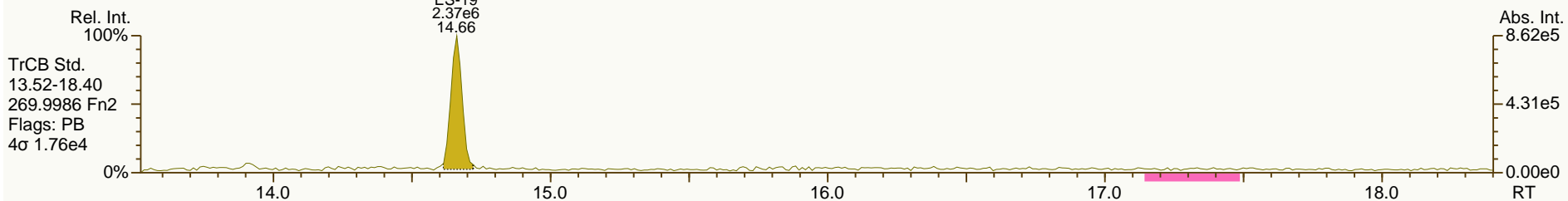
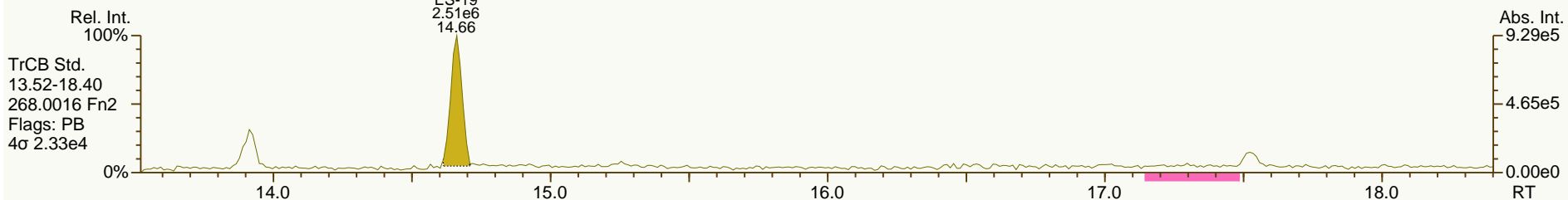
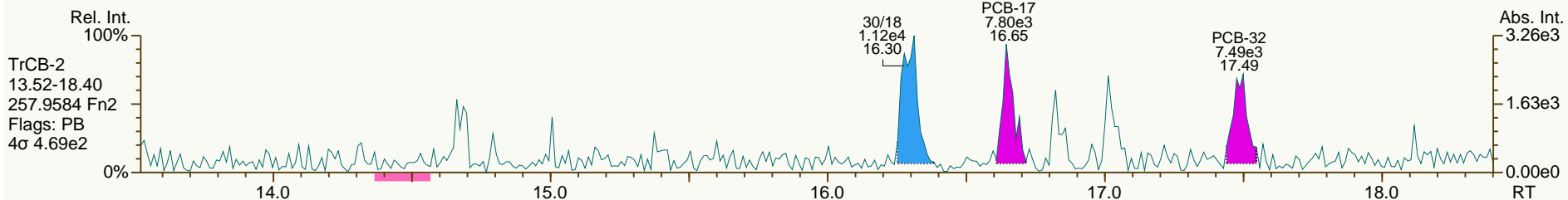
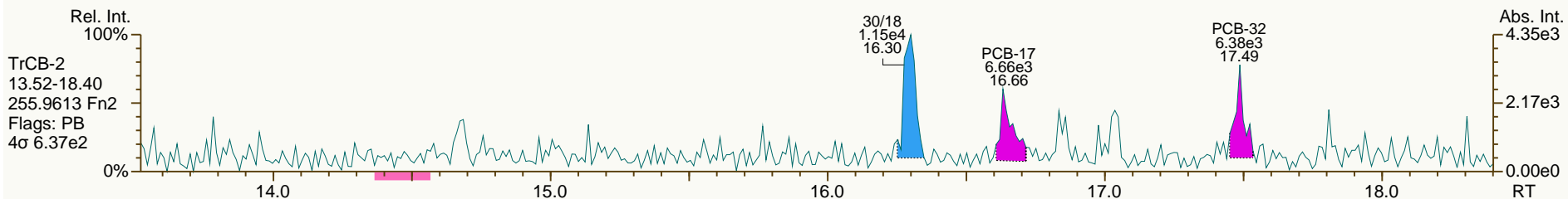
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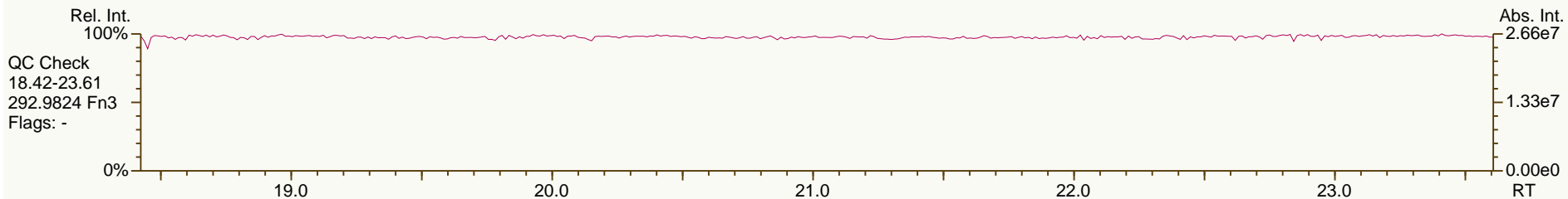
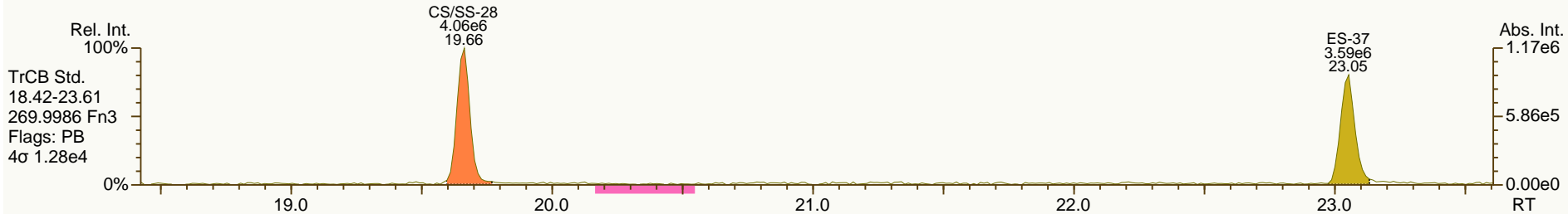
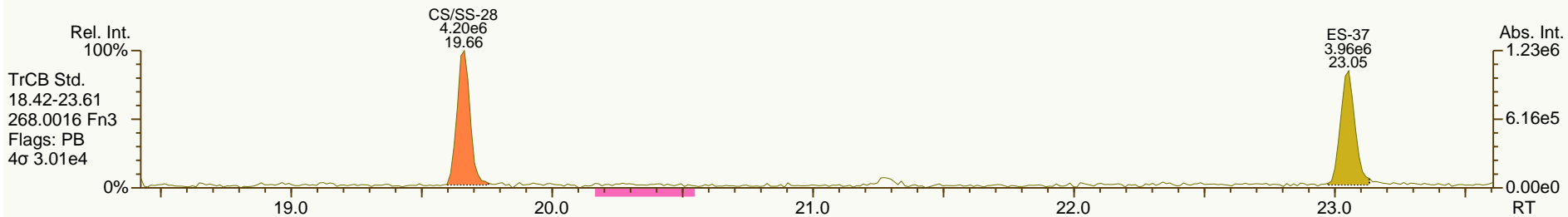
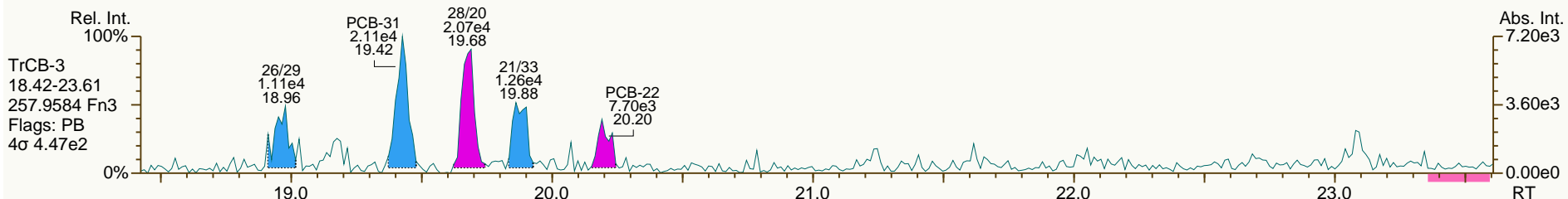
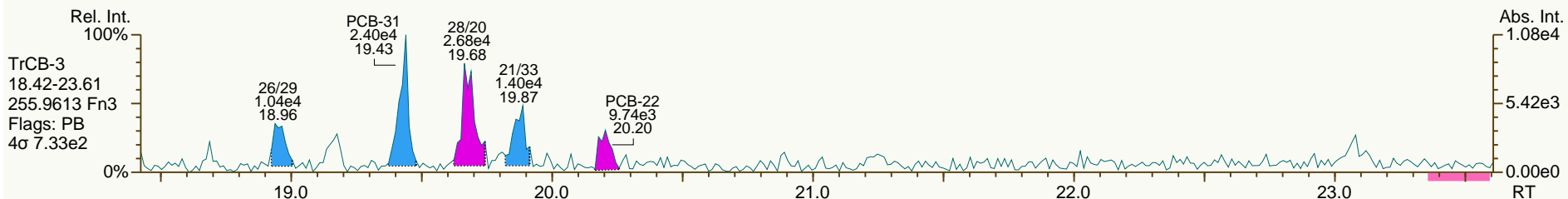
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AP Lab ID: A4367_9888_PCB_002-RJ
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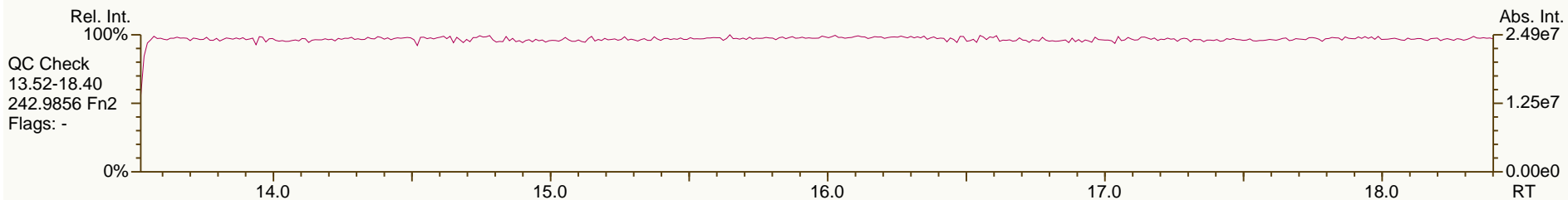
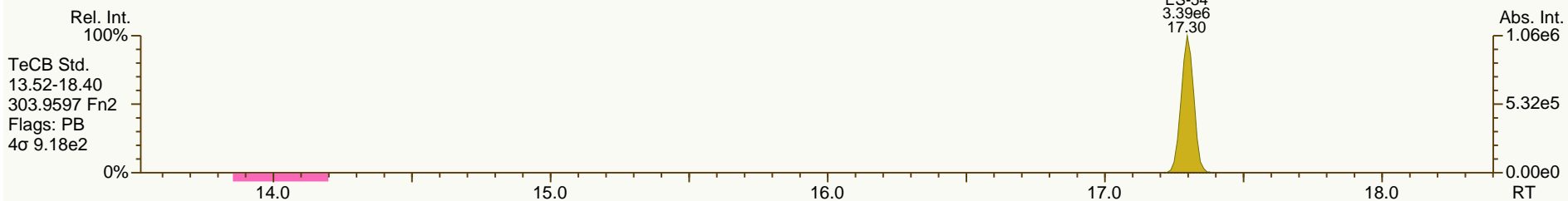
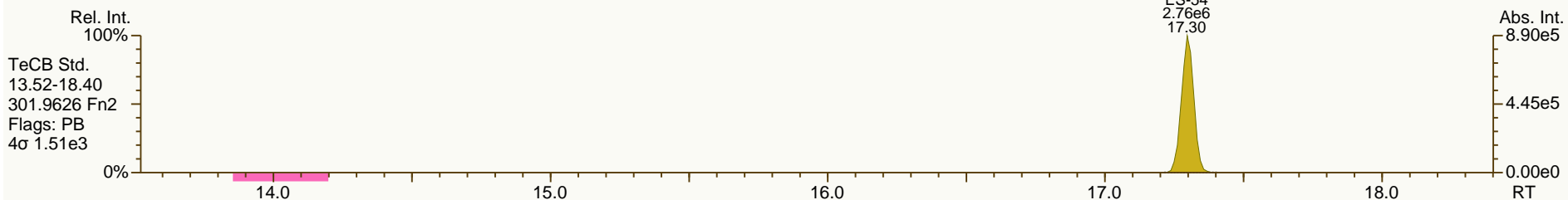
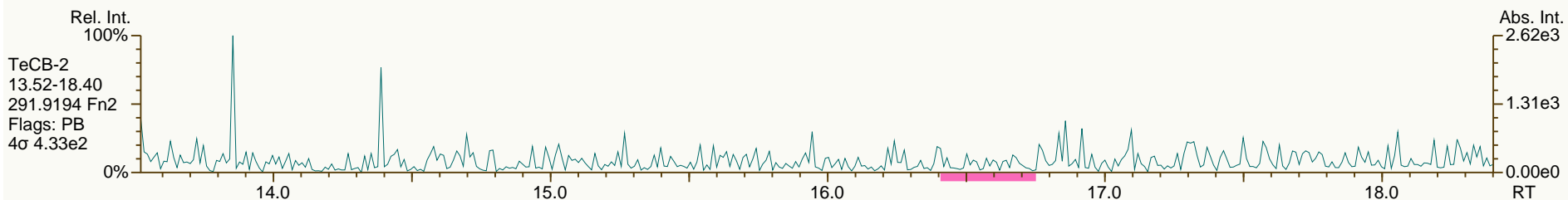
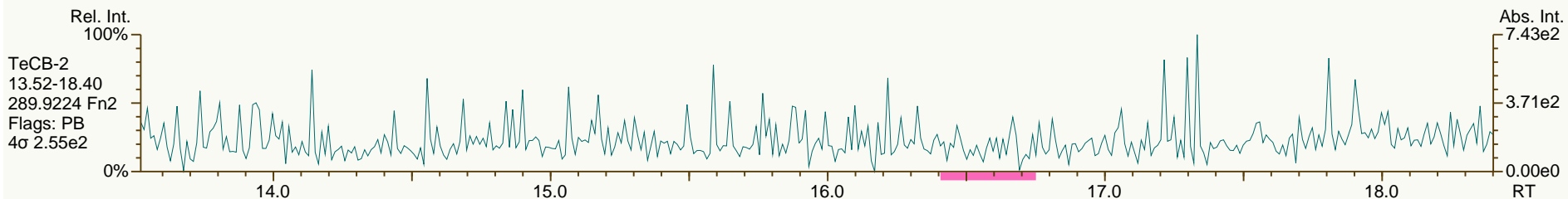
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AP Lab ID: A4367_9888_PCB_002-RJ
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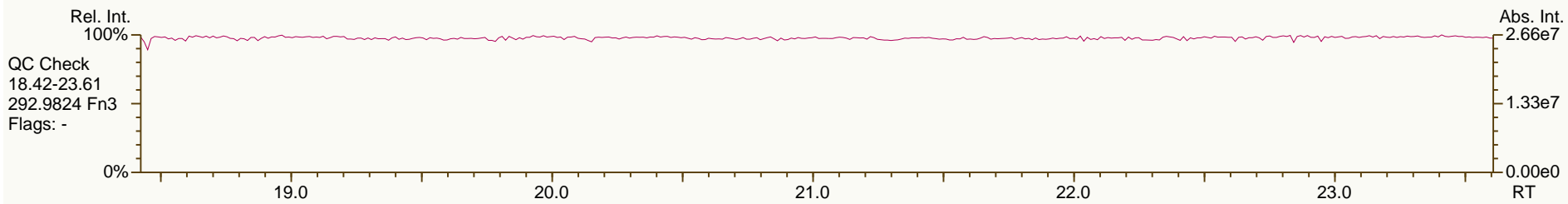
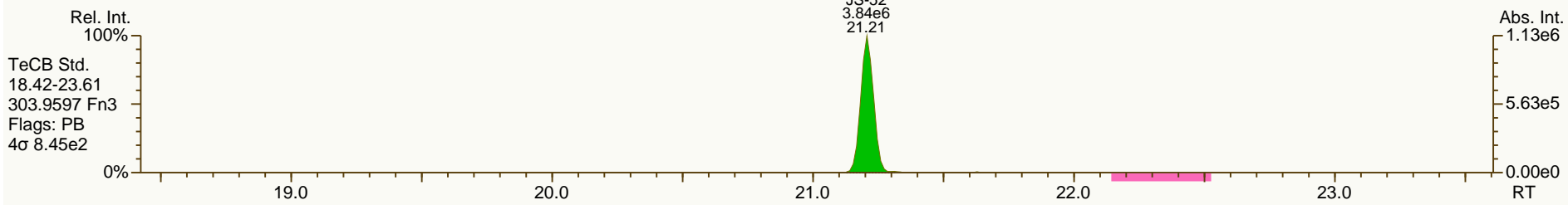
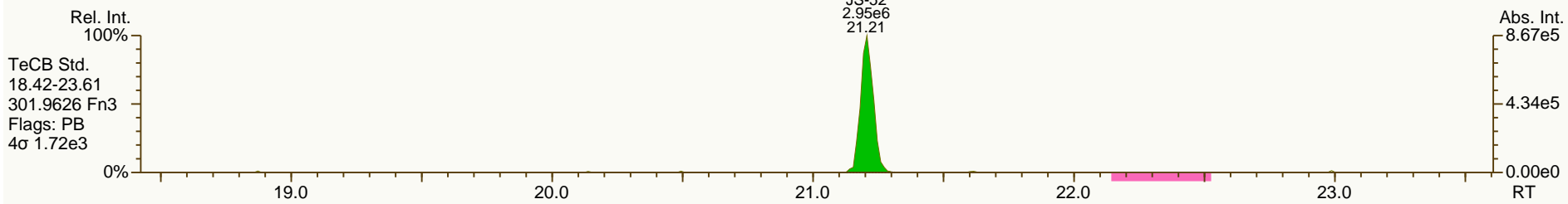
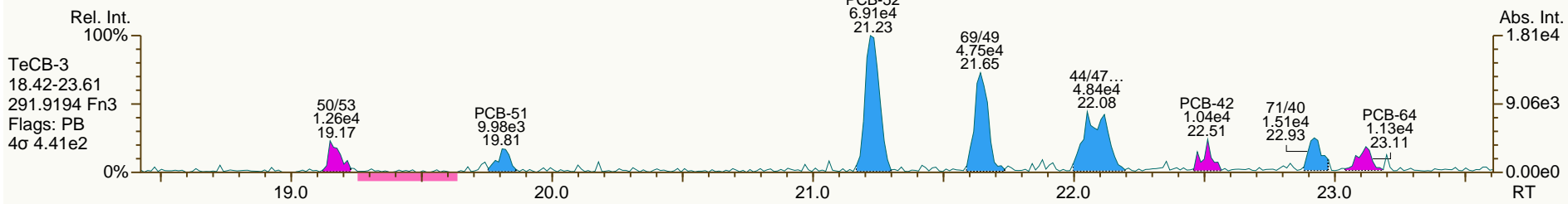
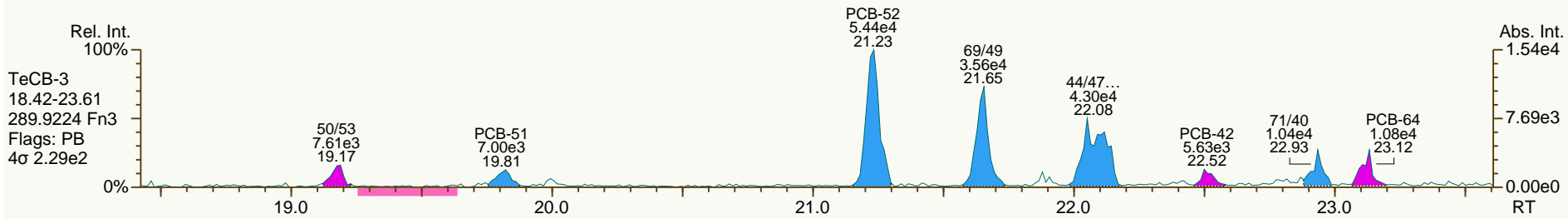
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AP Lab ID: A4367_9888_PCB_002-RJ
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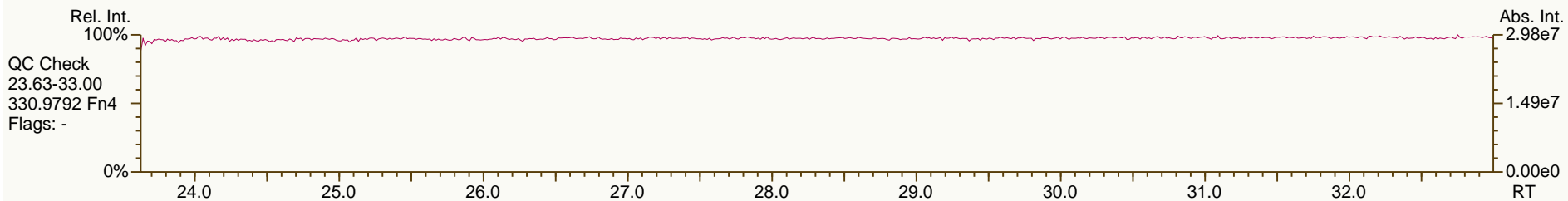
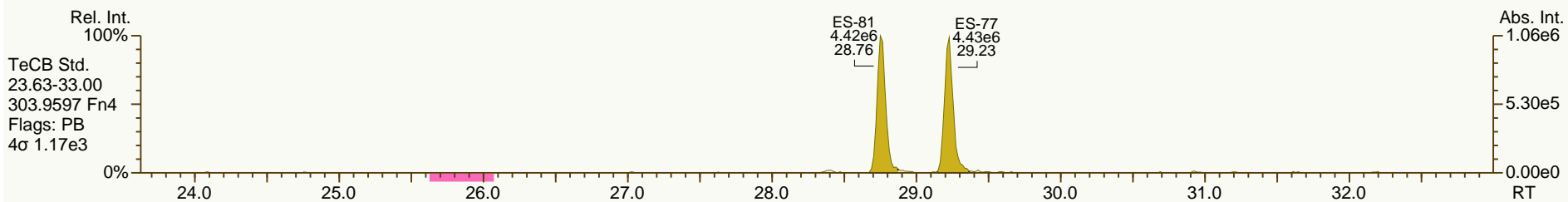
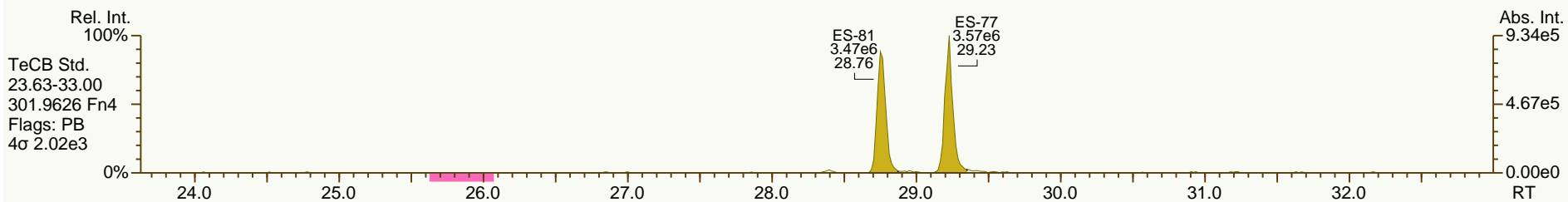
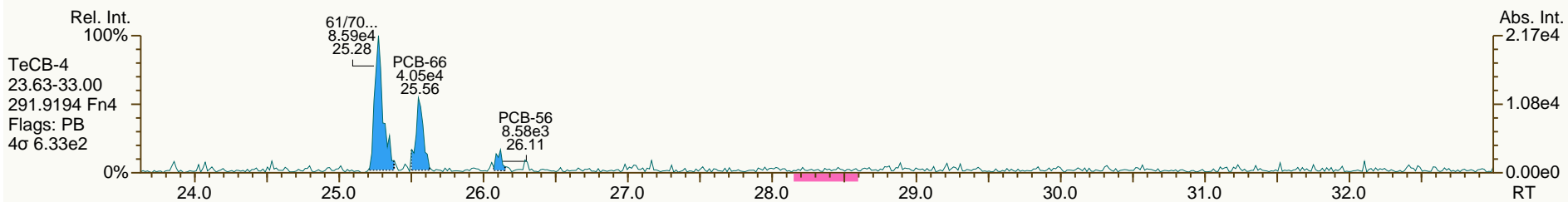
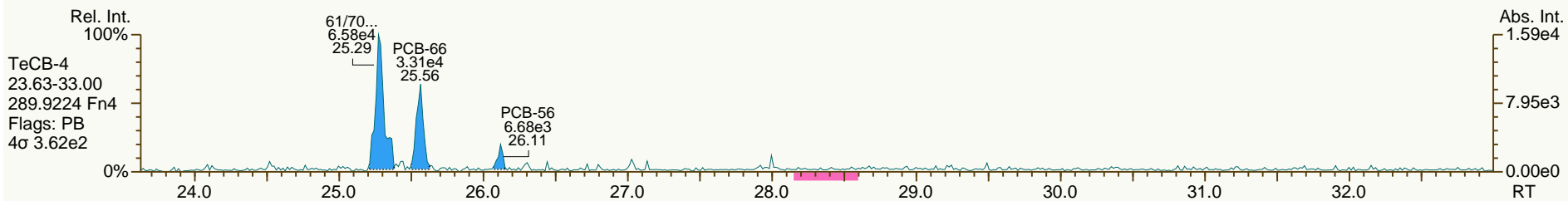
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AP Lab ID: A4367_9888_PCB_002-RJ
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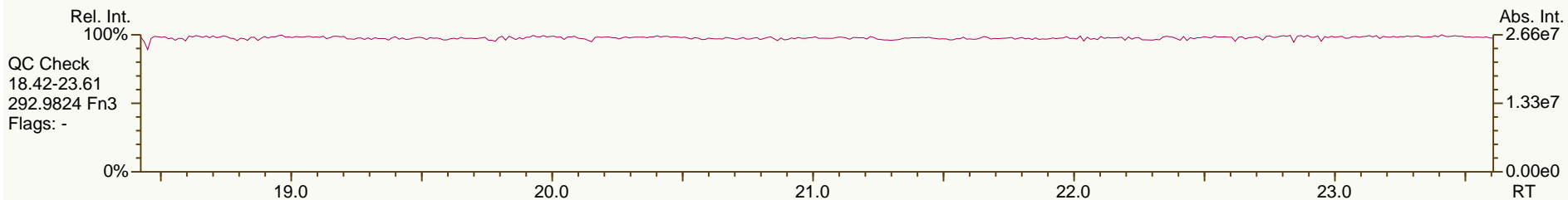
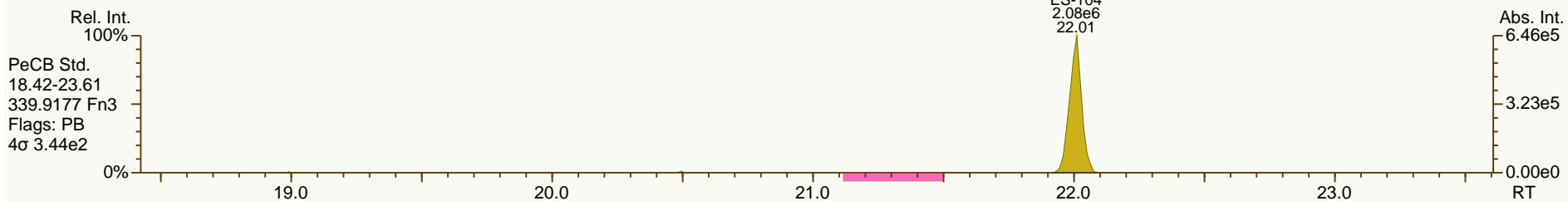
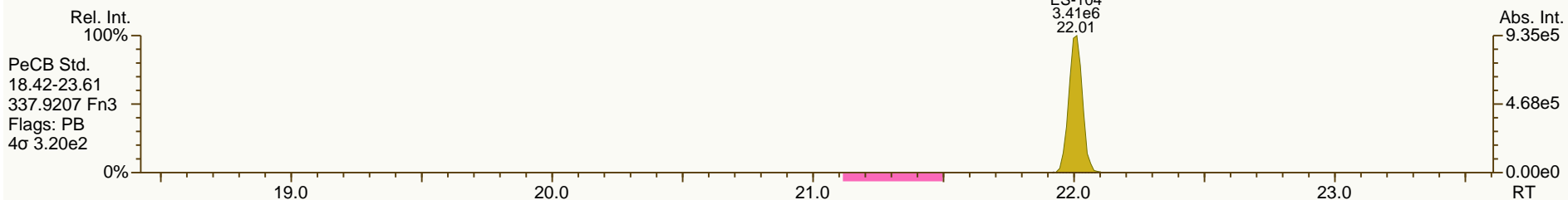
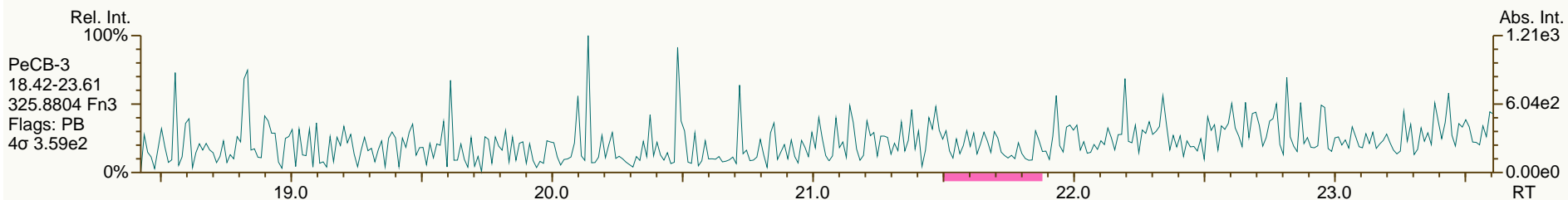
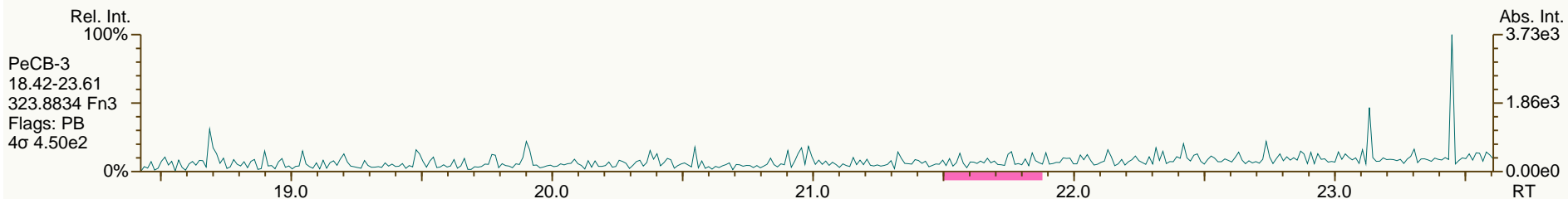
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AP Lab ID: A4367_9888_PCB_002-RJ
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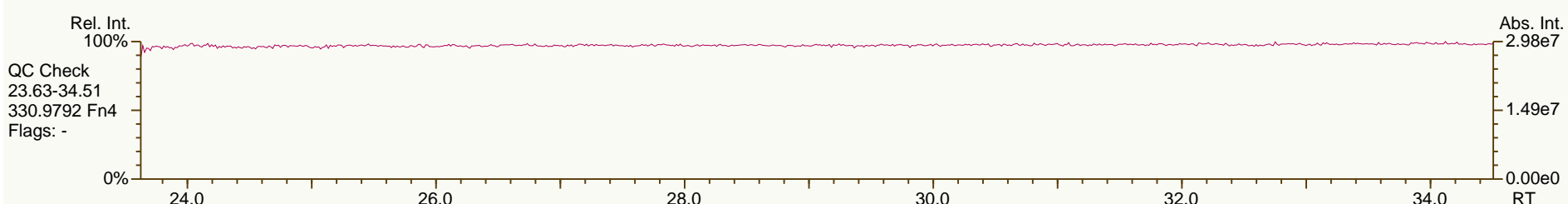
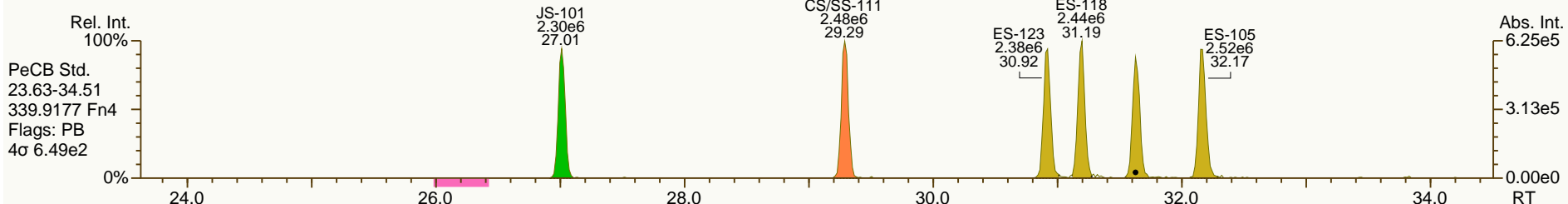
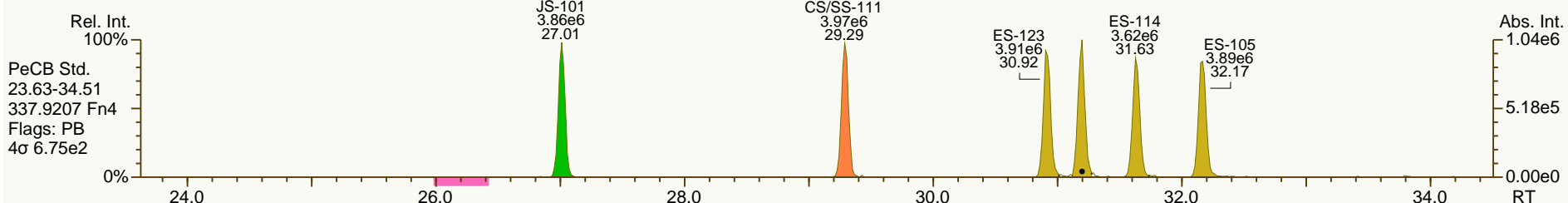
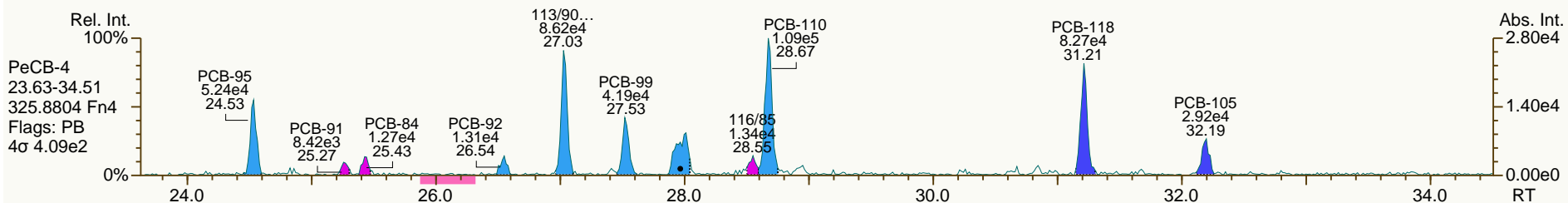
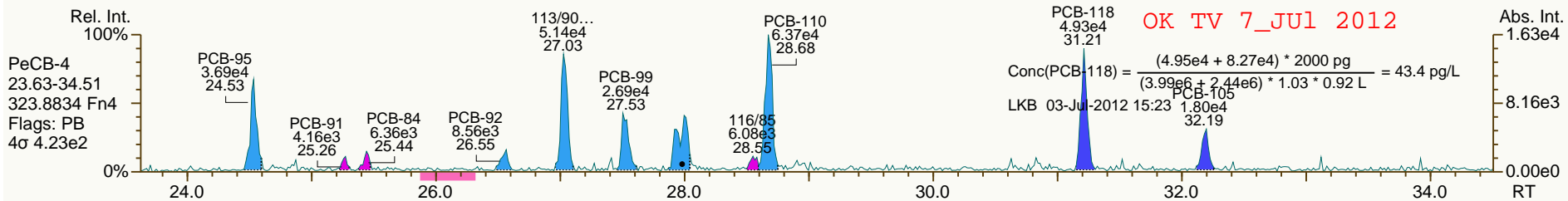
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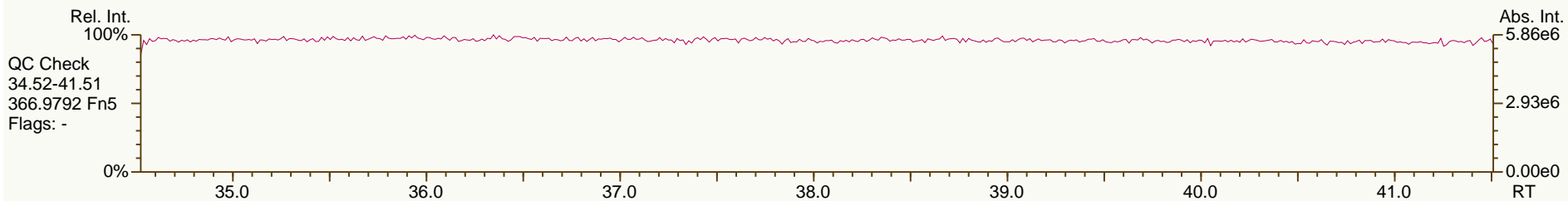
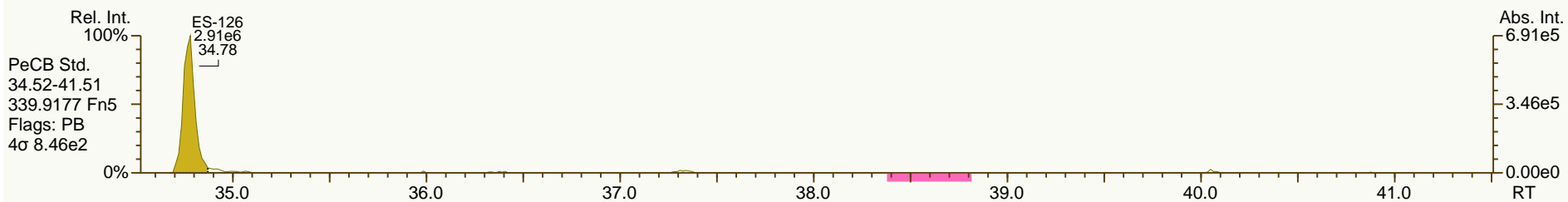
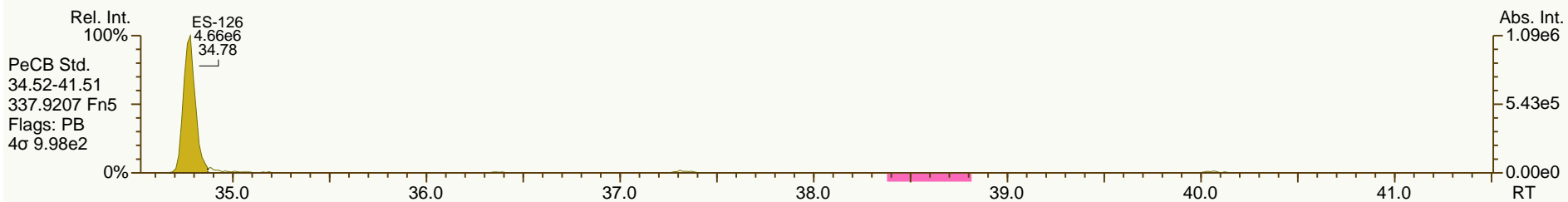
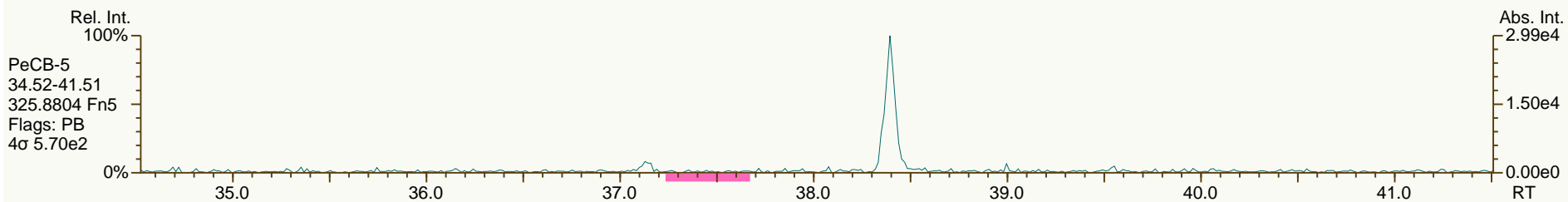
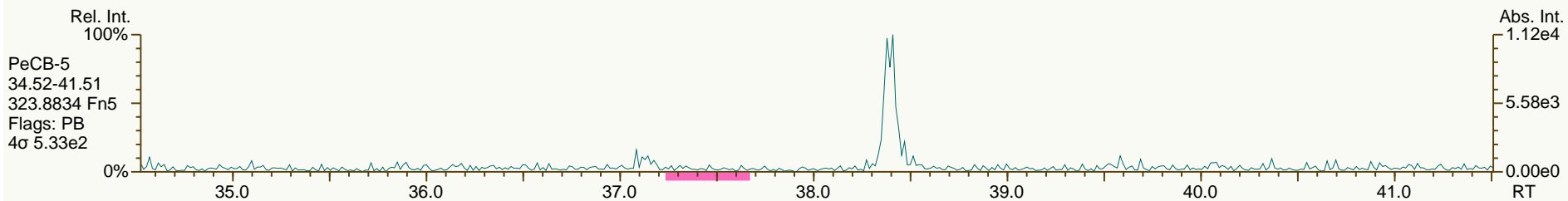
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AP Lab ID: A4367_9888_PCB_002-RJ
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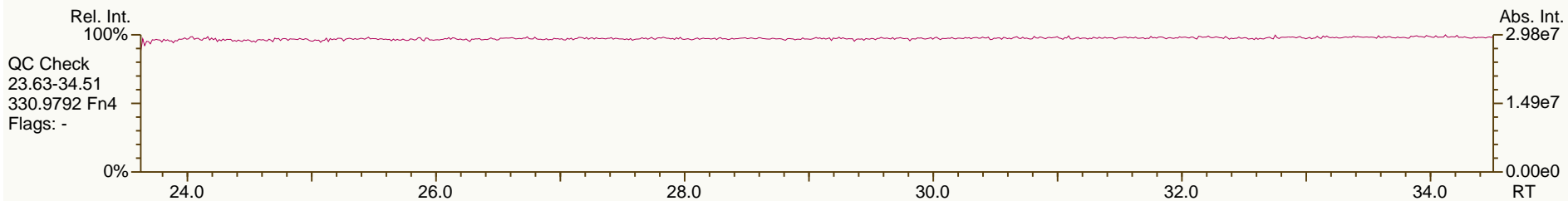
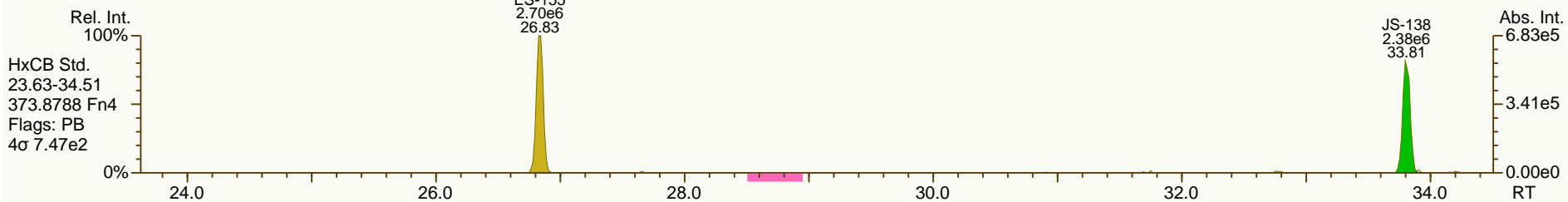
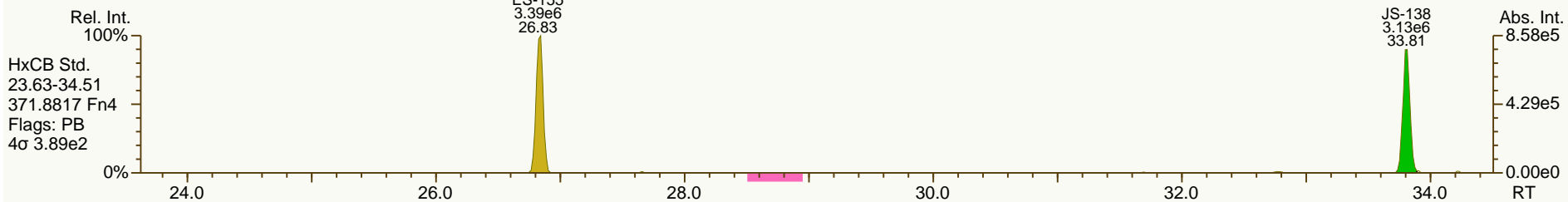
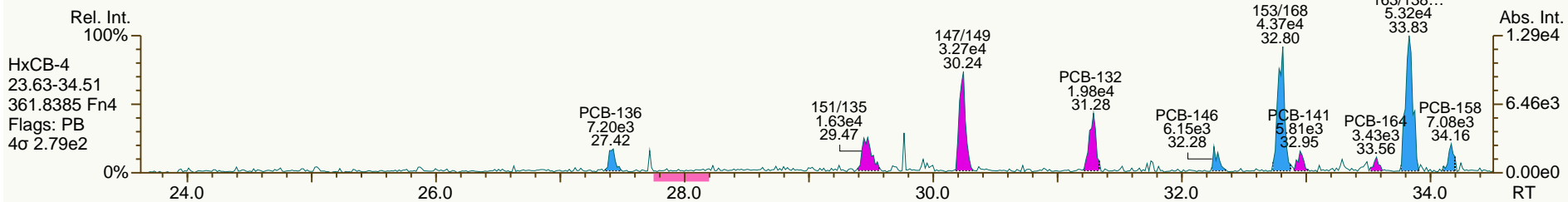
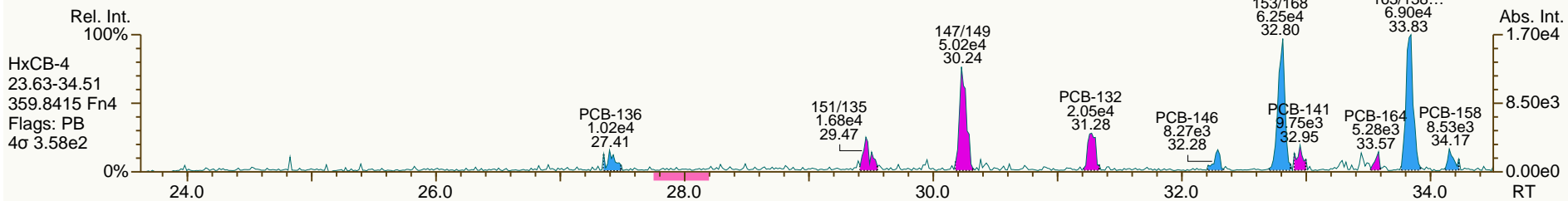
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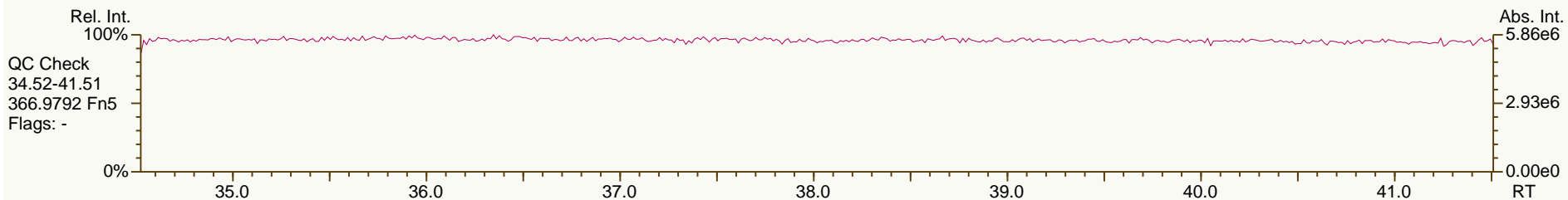
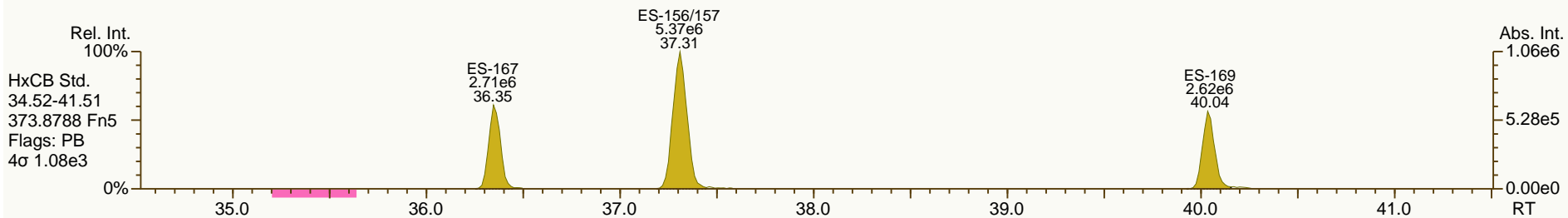
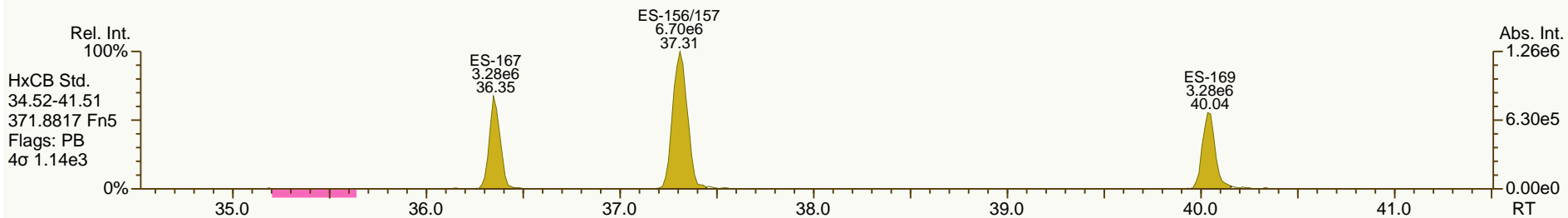
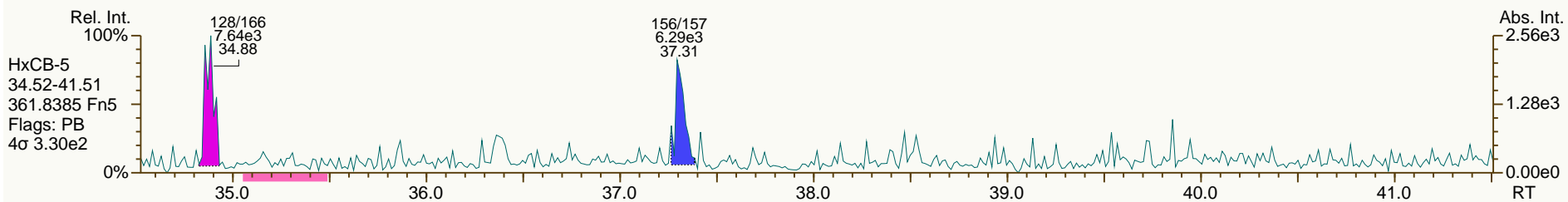
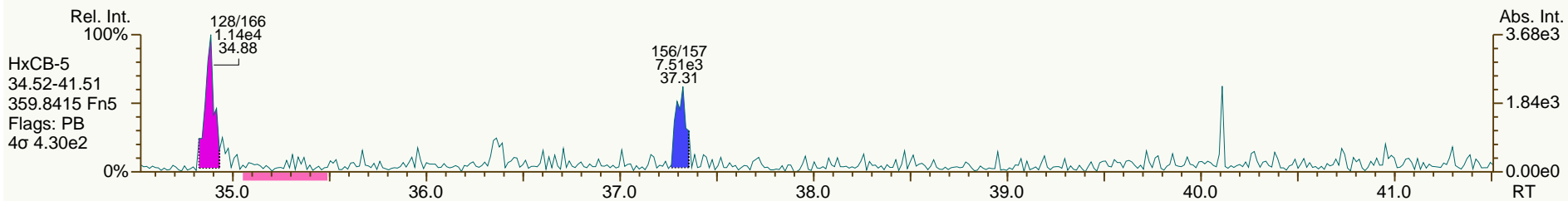
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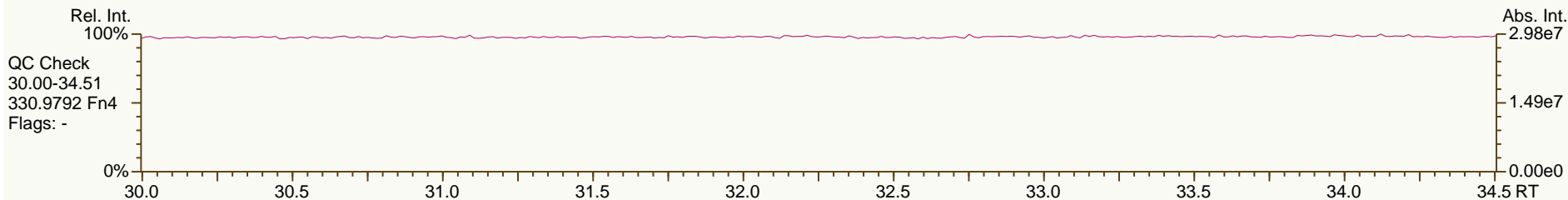
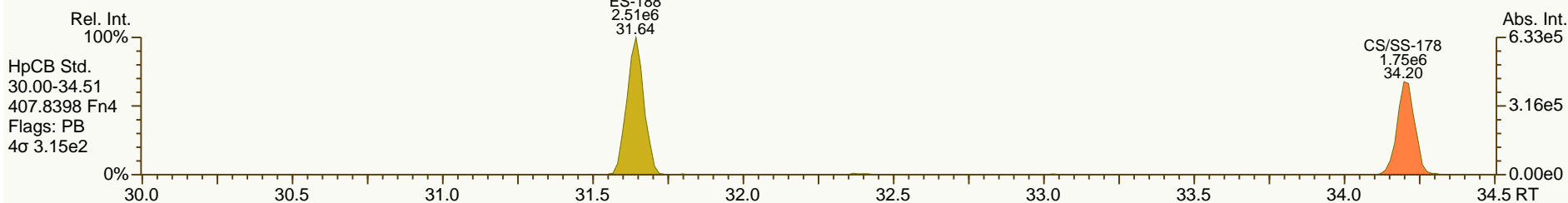
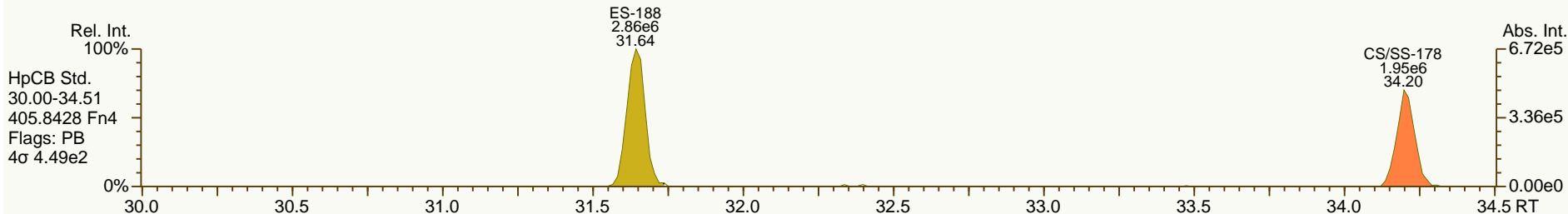
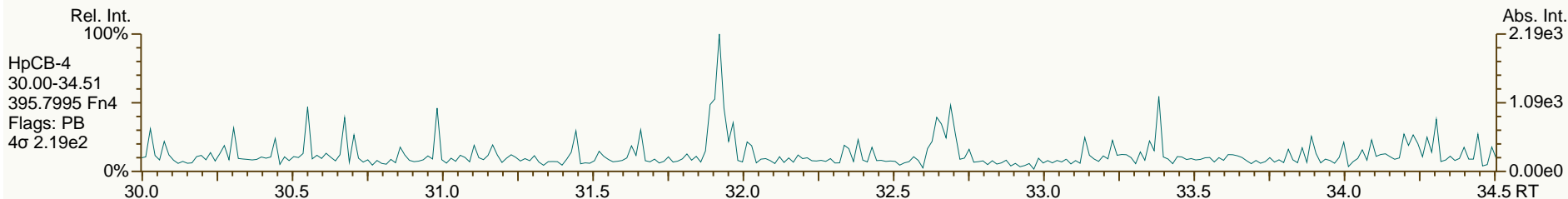
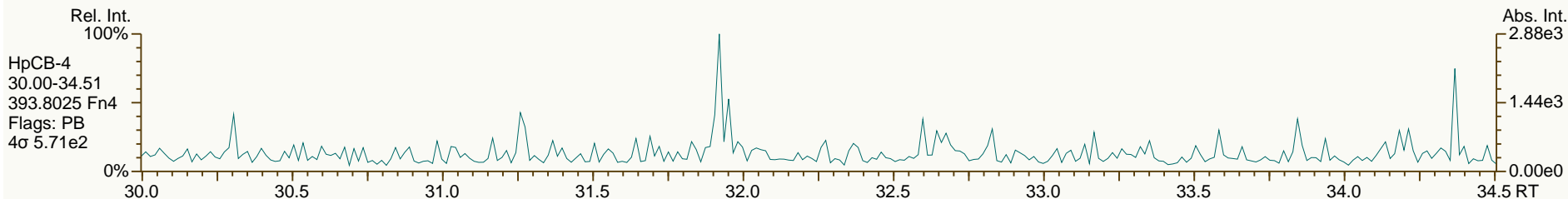
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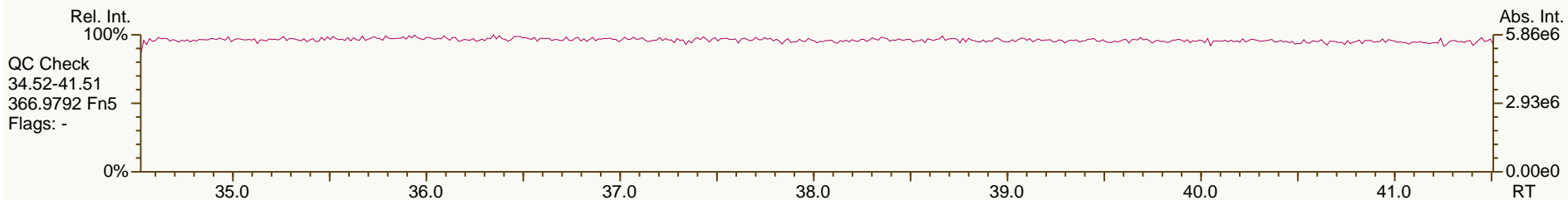
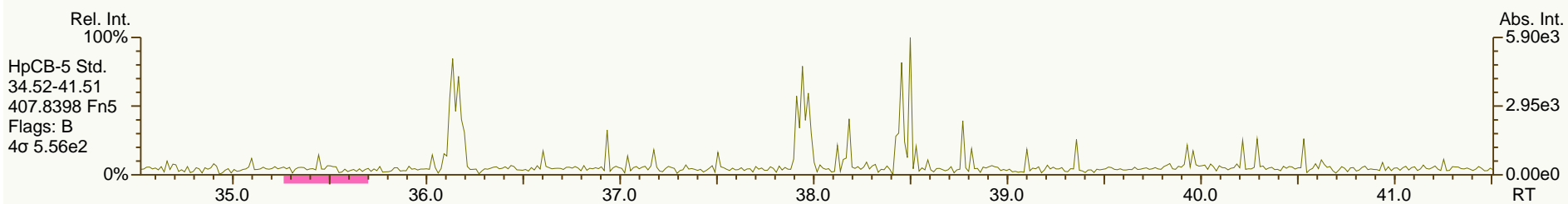
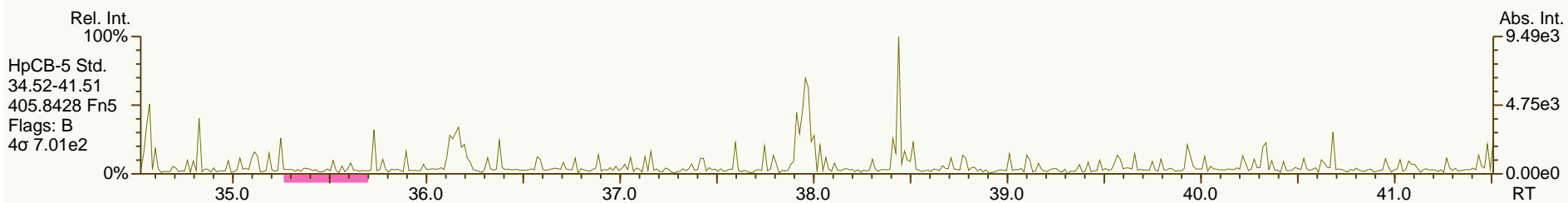
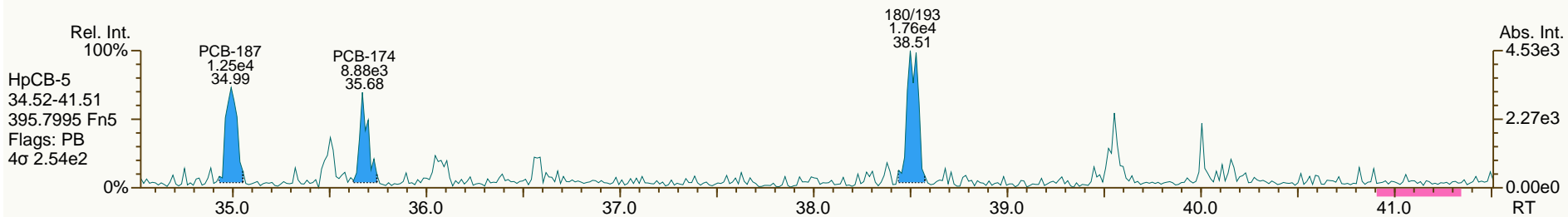
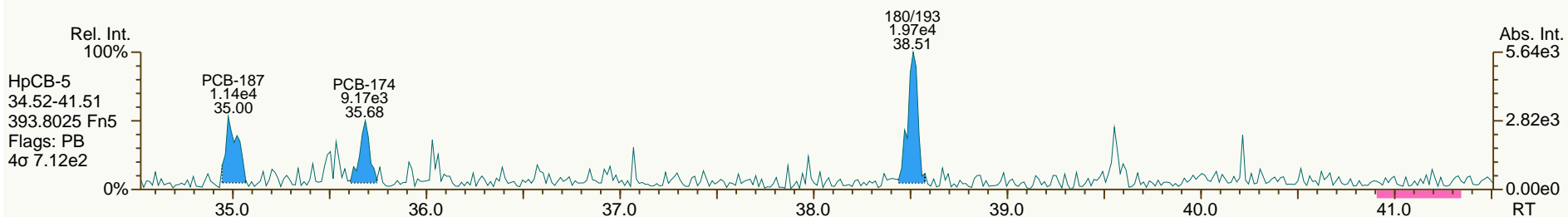
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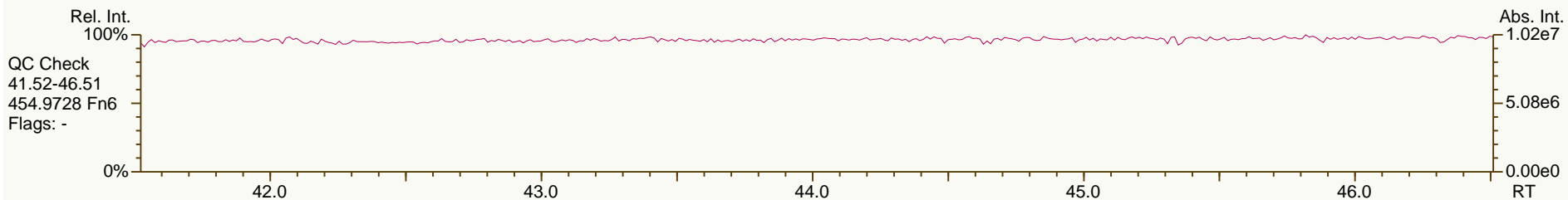
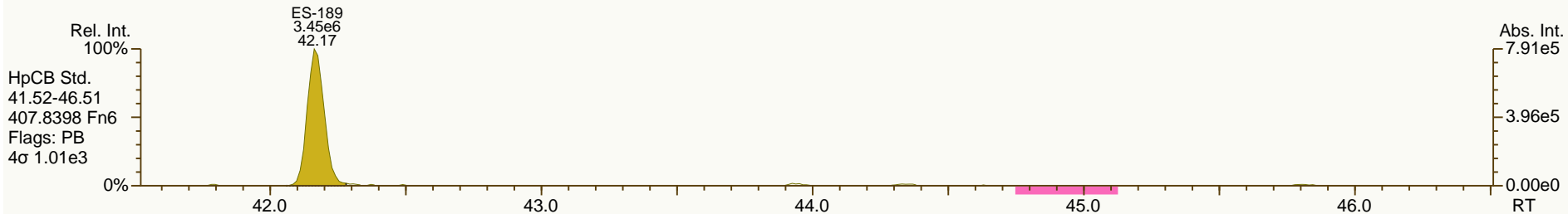
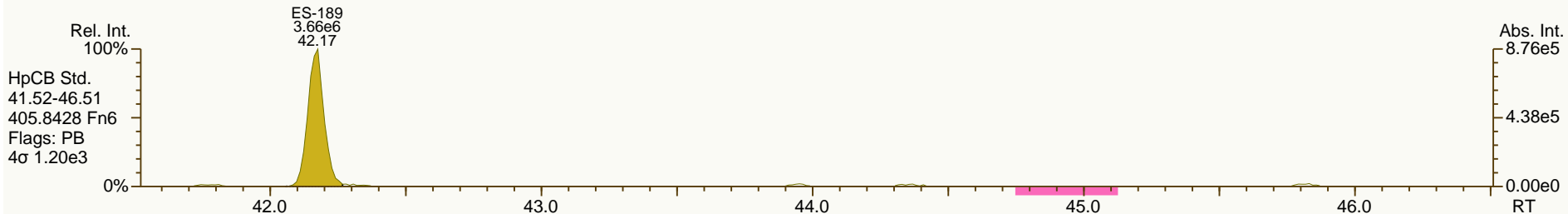
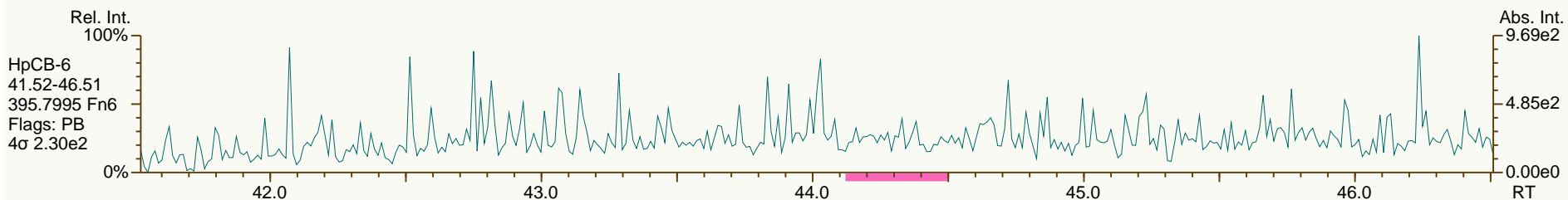
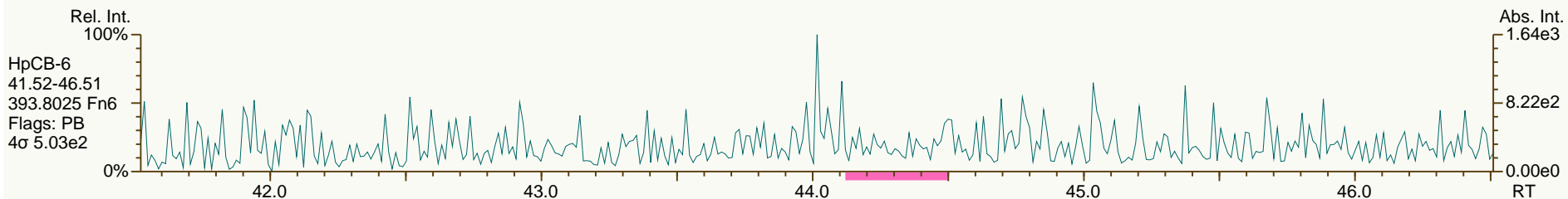
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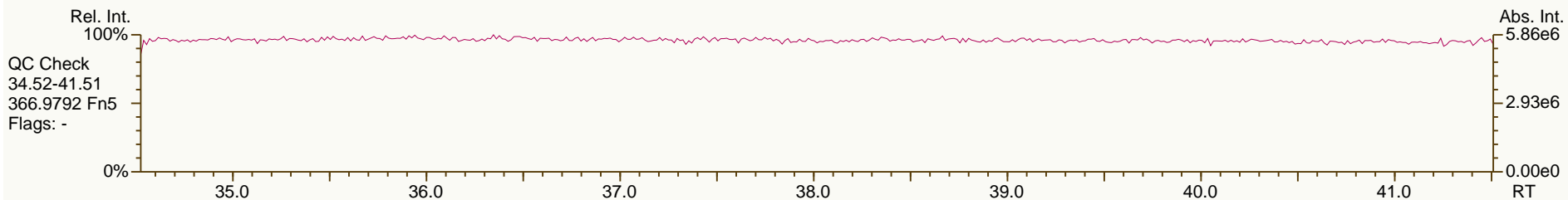
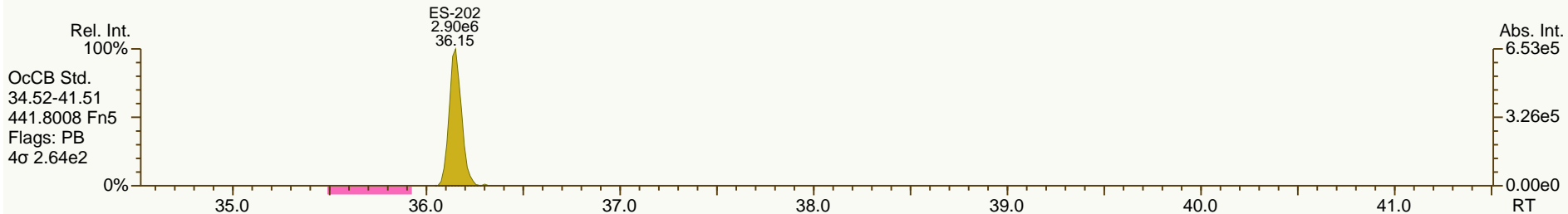
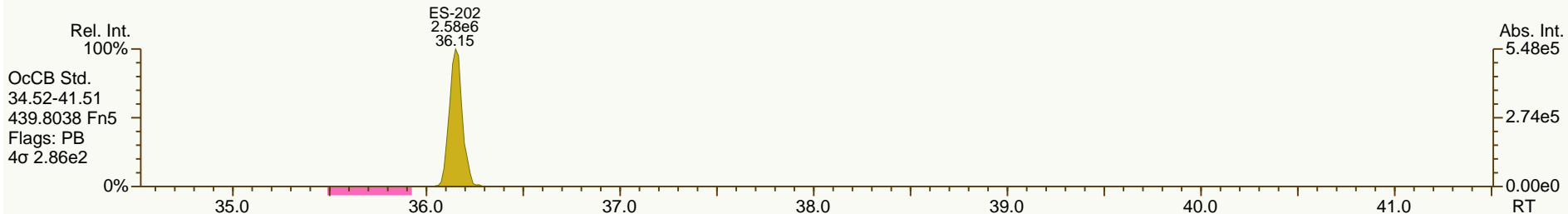
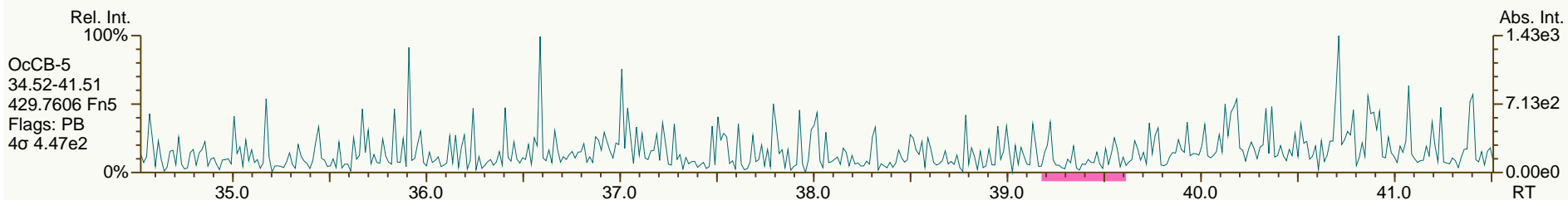
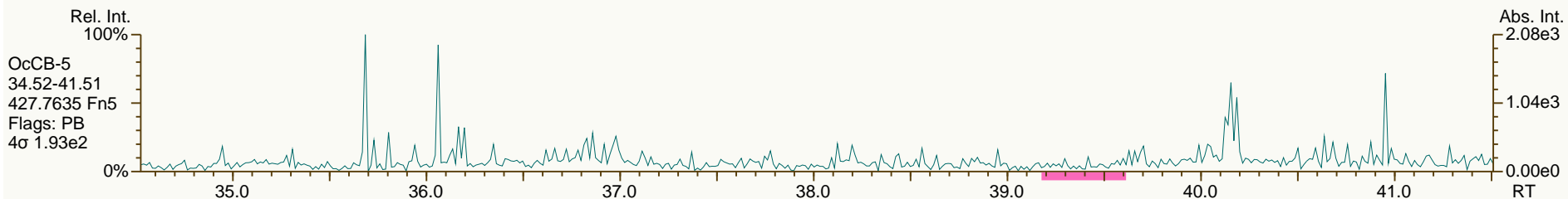
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

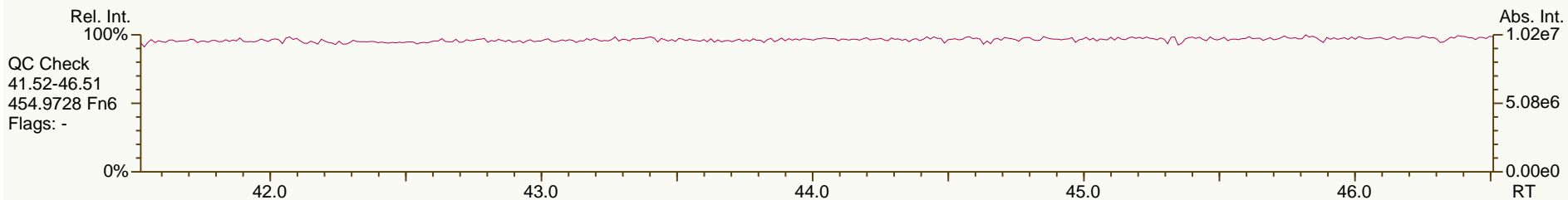
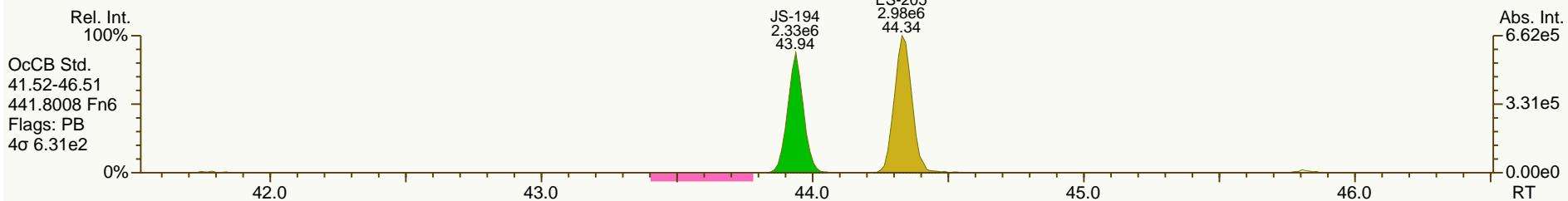
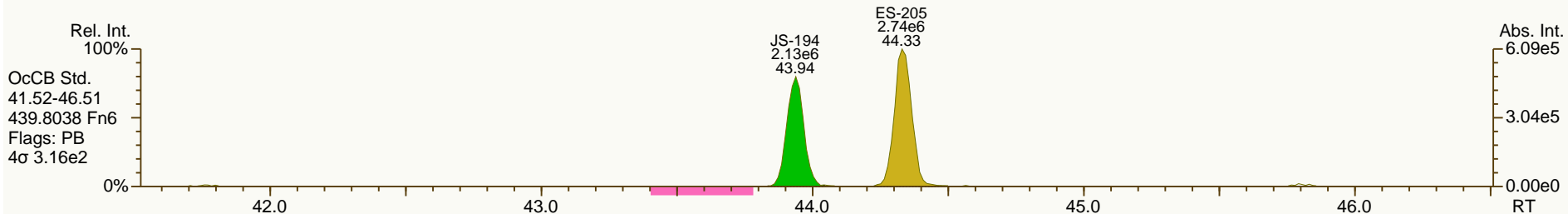
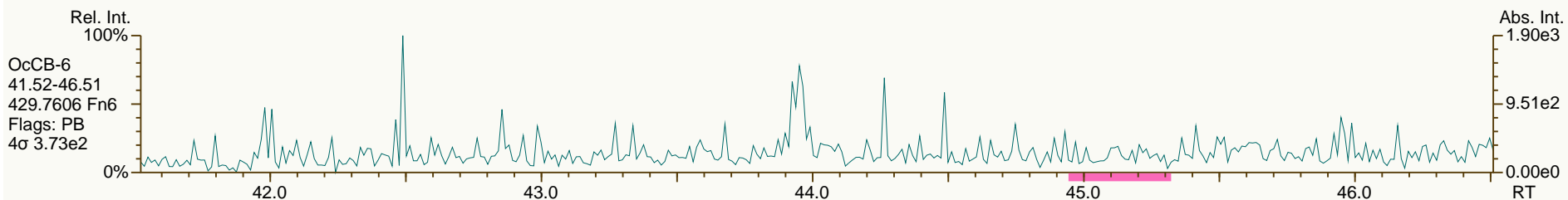
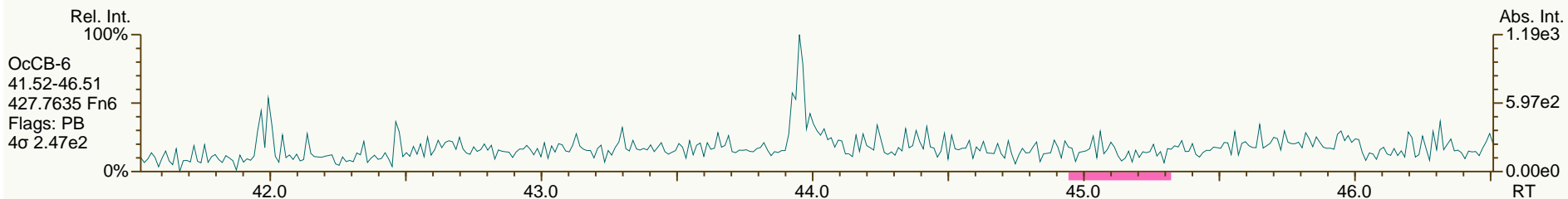
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

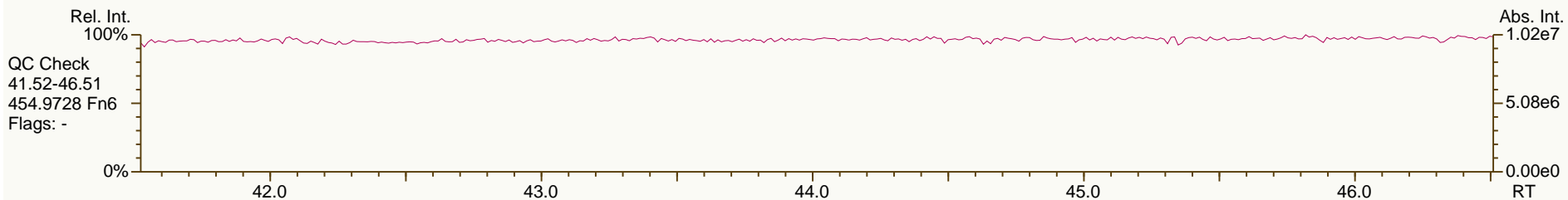
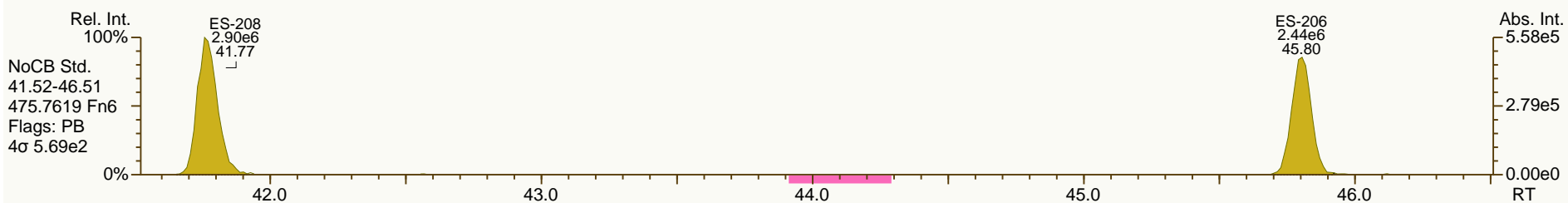
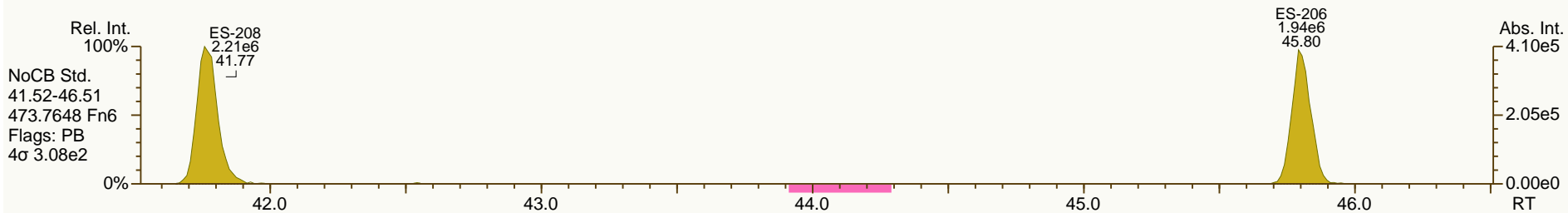
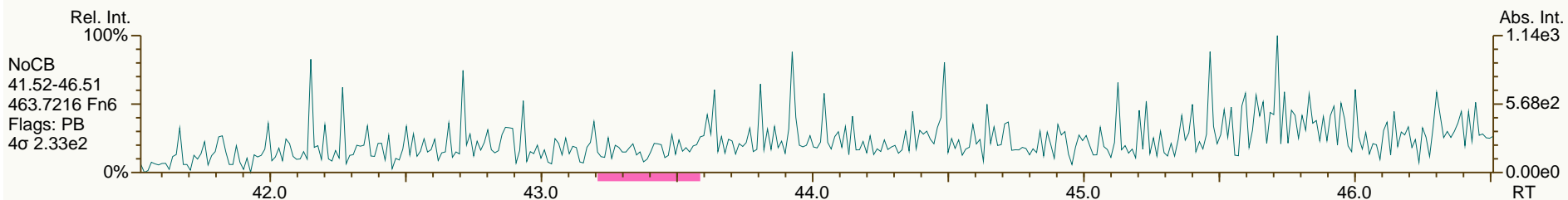
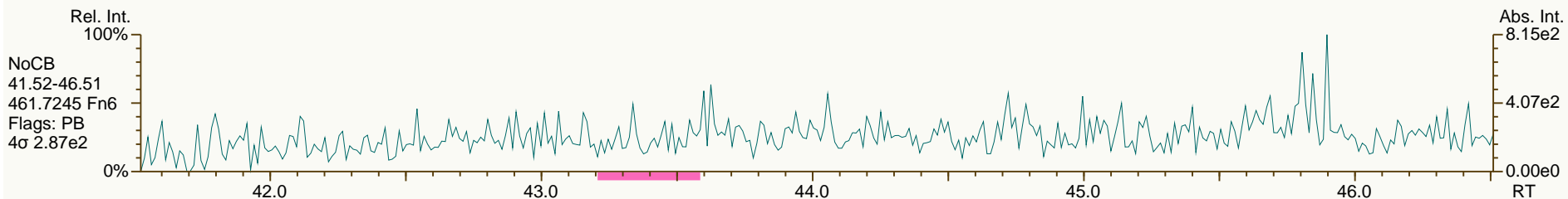
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

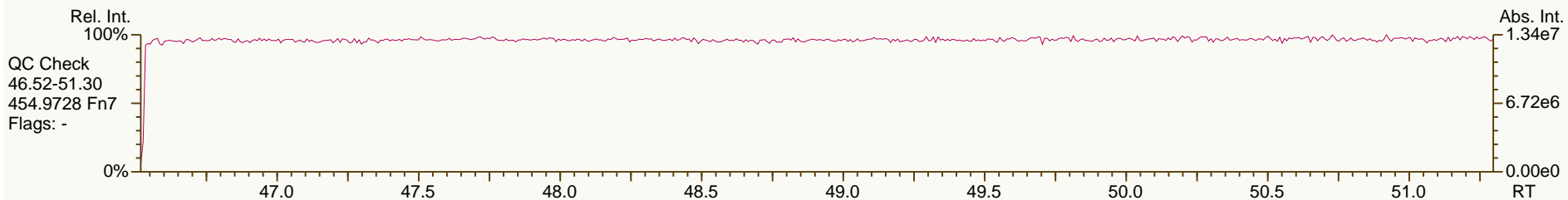
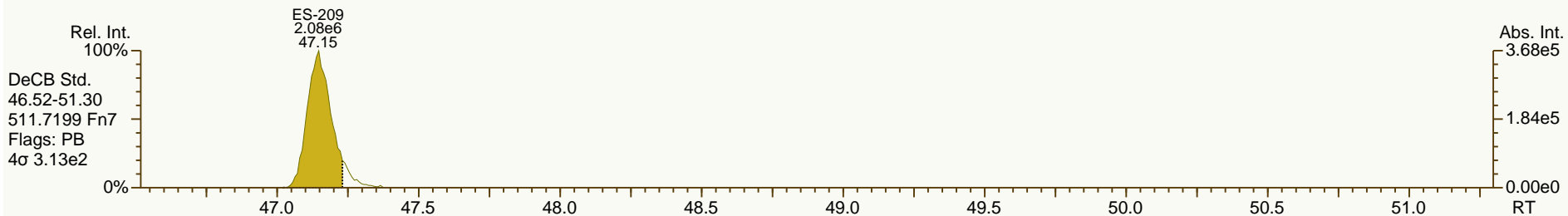
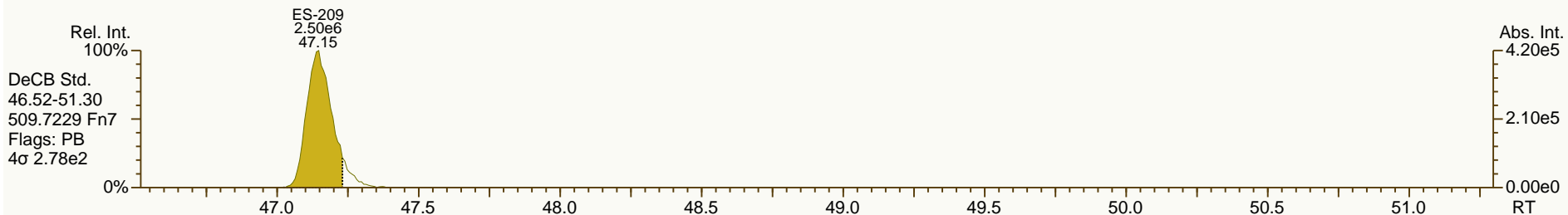
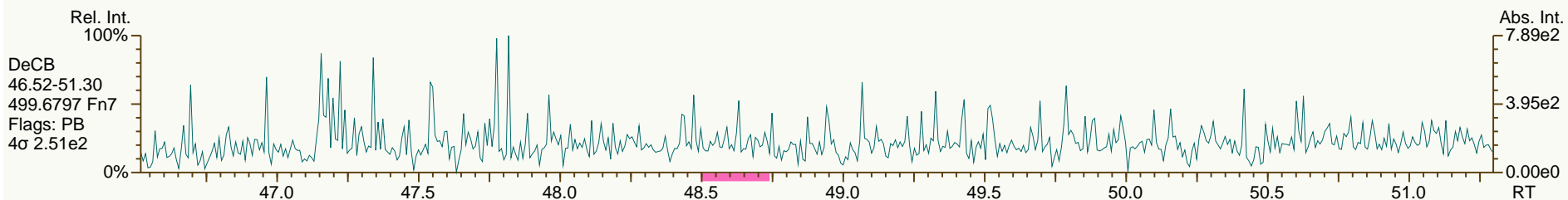
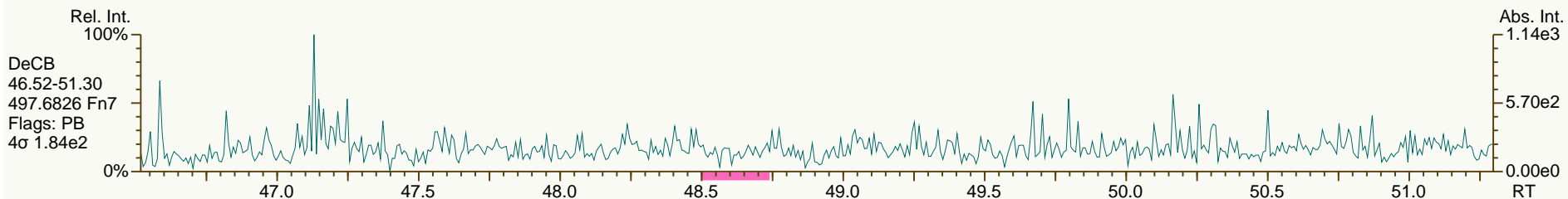
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

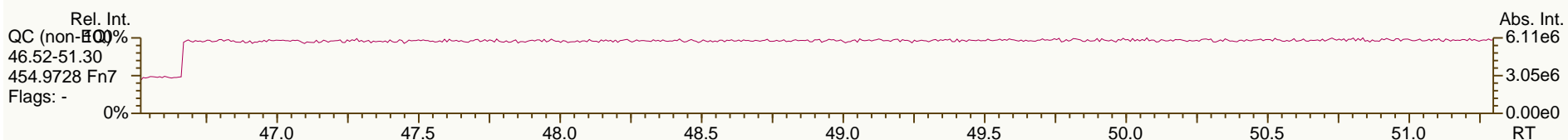
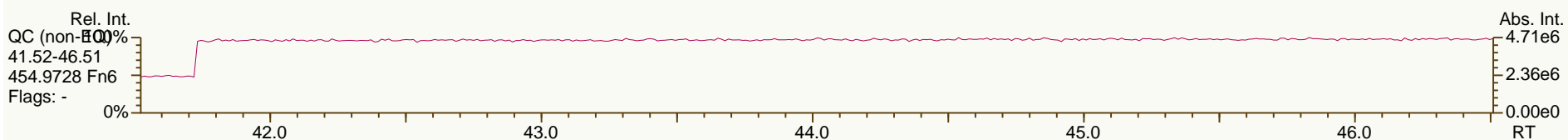
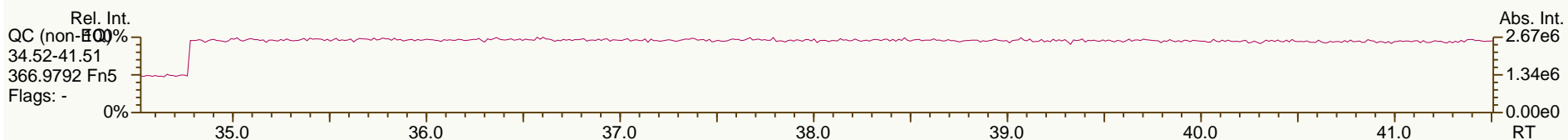
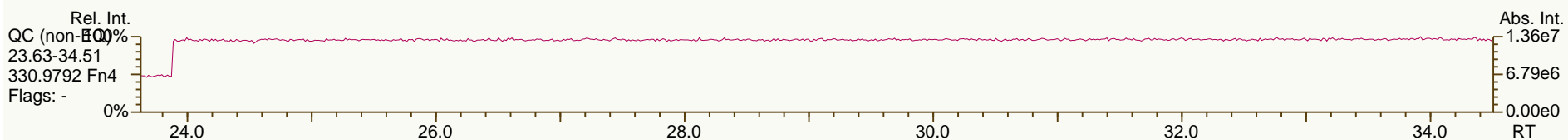
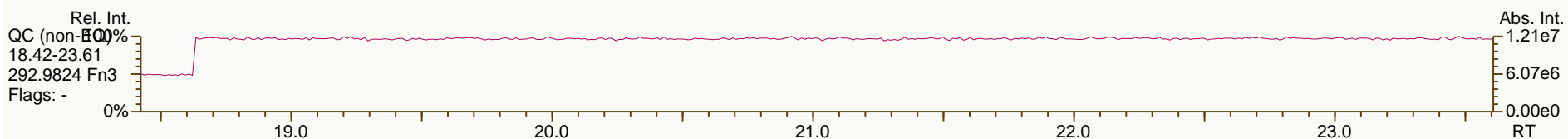
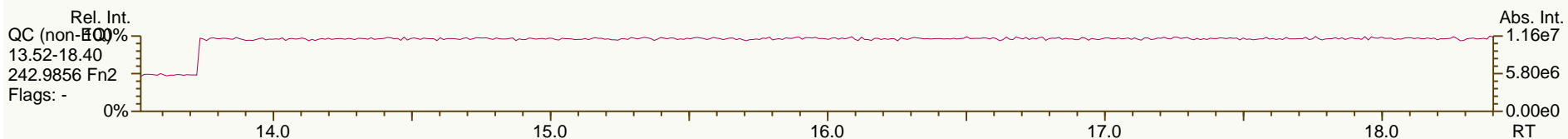
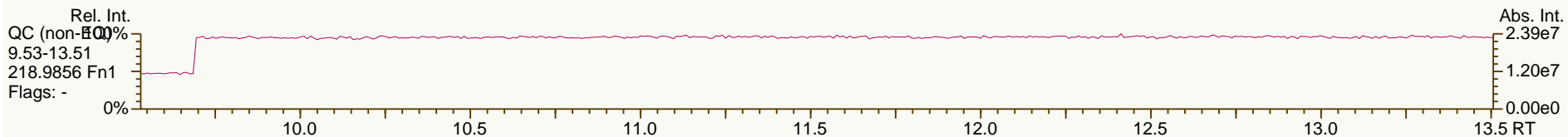
Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



AP Lab ID: A4367_9888_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RB-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 13

Acq: 29-Jun-2012 19:24:39
 User: LKB Datafile: 120629S12



Analytical Perspectives — Run Log

Project: A4367_9888_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120629S03	15	CS3_120629_PCB_SB	1.00	M1668-RETCON S40-51	LKB	700-838	29-Jun-2012	12:43:15
4	120629S06	10	OPR1_9888_PCB-RJ	1.00	OPR #71971	LKB	702-147	29-Jun-2012	13:36:22
6	120629S08	3	SBS_120629_PCB_SB	1.00	SIL9-41-1	LKB	725-464	29-Jun-2012	15:26:17
7	120629S09	11 ✓	MB1_9888_PCB_TLX	1.00	MB #71970	LKB	760-674	29-Jun-2012	16:41:37
9	120629S11	12	A4367_9888_PCB_001-RJ	1.06	JW-FB-120507	LKB	605-161	29-Jun-2012	18:29:41
10	120629S12	13 ✓	A4367_9888_PCB_002-RJ	0.92	JW-RB-120507	LKB	417-340	29-Jun-2012	19:24:39



= manual calculation

REVIEWED*By Laura Boivin at 3:43 pm, Jul 03, 2012***REVIEWED***By Todd Vilen at 7:42 am, Jul 06, 2012*

PCB QC Summary		SGS Analytical Perspectives			Processed: 3-Jul-2012 12:55		
Lab ID:	CS3_120629_PCB_SB						
Acquired:	29-JUN-2012 12:43		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120629S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.24	5.13E+06	0.76 Y	1.22	1.26	3.1%	
PCB-81 344'5'-TeCB	28.77	5.04E+06	0.78 Y	1.24	1.21	-3.0%	
PCB-105 233'44'-PeCB	32.18	2.95E+06	0.61 Y	1.03	1.00	-2.4%	
PCB-114 2344'5'-PeCB	31.65	3.42E+06	0.59 Y	1.10	1.17	6.2%	
PCB-118 23'44'5'-PeCB	31.21	3.29E+06	0.61 Y	1.03	1.03	0.0%	
PCB-123 2'344'5'-PeCB	30.93	3.15E+06	0.61 Y	0.93	1.00	7.8%	
PCB-126 33'44'5'-PeCB	34.80	4.01E+06	0.63 Y	1.11	1.11	-0.3%	
PCB-156/157 233'44'5'/233'44'5'	37.33	5.96E+06	1.26 Y	1.05	1.10	5.5%	
PCB-167 23'44'55'-HxCB	36.37	3.15E+06	1.27 Y	1.08	1.16	7.5%	
PCB-169 33'44'55'-HxCB	40.06	2.68E+06	1.24 Y	1.04	1.05	0.2%	
PCB-189 233'44'55'-HpCB	42.19	3.54E+06	1.07 Y	1.11	1.15	3.6%	
PCB-209 DeCB	47.18	2.18E+06	1.18 Y	1.05	1.01	-3.3%	
ES PCB-1	9.83	1.23E+07	3.32 Y	1.01	0.94	-6.8%	
ES PCB-3	11.76	1.18E+07	3.32 Y	1.05	0.91	-14.0%	
ES PCB-4	11.96	7.29E+06	1.59 Y	0.70	0.56	-20.1%	
ES PCB-15	17.07	1.26E+07	1.64 Y	1.17	0.97	-17.4%	
ES PCB-19	14.66	6.76E+06	0.96 Y	0.57	0.52	-8.9%	
ES PCB-37	23.05	9.13E+06	1.08 Y	1.41	1.54	8.9%	
ES PCB-54	17.30	8.69E+06	0.78 Y	1.32	1.46	10.7%	
ES PCB-77	29.22	8.13E+06	0.81 Y	1.22	1.37	12.4%	
ES PCB-81	28.76	8.36E+06	0.81 Y	1.15	1.41	22.2%	
ES PCB-104	22.00	7.02E+06	1.56 Y	1.69	1.37	-18.7%	
ES PCB-105	32.16	5.88E+06	1.58 Y	1.21	1.15	-4.7%	
ES PCB-114	31.63	5.87E+06	1.58 Y	1.23	1.15	-6.9%	
ES PCB-118	31.19	6.36E+06	1.64 Y	1.25	1.24	-0.1%	
ES PCB-123	30.91	6.31E+06	1.60 Y	1.33	1.23	-6.9%	
ES PCB-126	34.77	7.22E+06	1.68 Y	1.36	1.41	4.1%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.83	7.10E+06	1.16 Y	1.40	1.52	8.0%	
ES PCB-156/157	37.31	1.08E+07	1.28 Y	1.13	1.16	2.0%	
ES PCB-167	36.35	5.43E+06	1.22 Y	1.13	1.16	2.6%	
ES PCB-169	40.04	5.12E+06	1.27 Y	1.14	1.09	-4.3%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.64	5.97E+06	1.12 Y	1.34	1.27	-4.9%	
ES PCB-189	42.17	6.15E+06	1.05 Y	1.77	1.77	0.0%	
ES PCB-202	36.15	5.50E+06	0.93 Y	1.27	1.17	-7.6%	
ES PCB-205	44.33	5.01E+06	0.87 Y	1.25	1.44	15.0%	
ES PCB-206	45.80	3.89E+06	0.79 Y	1.07	1.12	4.6%	
ES PCB-208	41.77	4.63E+06	0.79 Y	1.34	1.33	-0.8%	
ES PCB-209	47.16	4.30E+06	1.23 Y	1.18	1.23	4.2%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 3-Jul-2012 12:55		
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.66	1.00E+07	1.03 Y	0.98	1.10	12.0%	
SS PCB-111	29.28	6.87E+06	1.63 Y	0.90	1.09	21.3%	
SS PCB-178	34.20	3.99E+06	1.04 Y	0.65	0.67	3.1%	
CS PCB-28	19.66	1.00E+07	1.03 Y	1.39	1.69	22.0%	
CS PCB-111	29.28	6.87E+06	1.63 Y	1.19	1.34	12.9%	
CS PCB-178	34.20	3.99E+06	1.04 Y	0.87	0.85	-2.0%	
JS PCB-9	13.70	1.31E+07	1.62 Y		-	-	
JS PCB-52	21.20	5.94E+06	0.76 Y		-	-	
JS PCB-101	27.01	5.11E+06	1.65 Y		-	-	
JS PCB-138	33.80	4.68E+06	1.31 Y		-	-	
JS PCB-194	43.93	3.48E+06	0.89 Y		-	-	
PCB-1 2-MoCB	9.84	7.70E+06	3.27 Y	1.20	1.25	4.1%	
PCB-3 4-MoCB	11.77	7.36E+06	3.25 Y	1.13	1.24	10.0%	
PCB-4 22'-DiCB	11.97	3.88E+06	1.40 Y	0.94	1.07	12.8%	
PCB-15 44'-DiCB	17.09	6.95E+06	1.65 Y	1.01	1.10	9.3%	
PCB-19 22'6'-TrCB	14.67	3.24E+06	1.07 Y	1.01	0.96	-5.1%	
PCB-37 344'-TrCB	23.06	5.59E+06	1.06 Y	1.20	1.22	2.2%	
PCB-54 22'66'-TeCB	17.31	3.87E+06	0.78 Y	0.93	0.89	-4.6%	
PCB-104 22'466'-PeCB	22.02	3.56E+06	0.62 Y	0.92	1.02	10.7%	
PCB-155 22'44'66'-HxCB	26.85	3.68E+06	1.30 Y	1.06	1.04	-1.9%	
PCB-188 22'34'566'-HpCB	31.66	3.21E+06	1.06 Y	1.07	1.08	1.0%	
PCB-202 22'33'55'66'-OcCB	36.17	2.31E+06	0.91 Y	0.83	0.84	1.4%	
PCB-205 233'44'55'6'-OcCB	44.35	2.36E+06	0.89 Y	1.09	0.94	-13.7%	
PCB-208 22'33'455'66'-NoCB	41.79	2.15E+06	0.80 Y	0.98	0.93	-4.8%	
PCB-206 22'33'44'55'6'-NoCB	45.82	1.69E+06	0.77 Y	0.93	0.87	-6.8%	

PCB QC Summary - Ax2 Detail				Processed: 3-Jul-2012 12:55			
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.84	7.70E+06	3.27 Y	1.20	-	-	
PCB-2 3-MoCB	11.61	7.32E+06	3.31 Y	1.13	1.24	9.4%	
PCB-3 4-MoCB	11.77	7.36E+06	3.25 Y	1.13	-	-	
PCB-4 22'-DiCB	11.97	3.88E+06	1.40 Y	0.94	-	-	
PCB-10 26'-DiCB	12.13	5.94E+06	1.47 Y	1.43	1.63	13.7%	
PCB-9 25'-DiCB	13.72	6.35E+06	1.61 Y	0.87	1.00	15.7%	
PCB-7 24'-DiCB	13.86	7.40E+06	1.53 Y	1.00	1.17	16.6%	
PCB-6 23'-DiCB	14.06	6.76E+06	1.59 Y	0.94	1.07	14.0%	
PCB-5 23'-DiCB	14.32	6.85E+06	1.58 Y	0.92	1.08	17.7%	
PCB-8 24'-DiCB	14.43	7.37E+06	1.54 Y	0.95	1.17	22.8%	
PCB-14 35'-DiCB	15.85	8.11E+06	1.59 Y	1.09	1.28	17.2%	
PCB-11 33'-DiCB	16.56	6.67E+06	1.63 Y	0.98	1.06	8.0%	
PCB-13/12 34'-/34'-DiCB	16.82	1.40E+07	1.54 Y	0.97	1.11	14.1%	
PCB-15 44'-DiCB	17.09	6.95E+06	1.65 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.67	3.24E+06	1.07 Y	1.01	-	-	
PCB-30/18 246-/22'5'-TrCB	16.29	8.37E+06	1.03 Y	1.29	1.24	-4.2%	
PCB-17 22'4'-TrCB	16.65	3.48E+06	1.06 Y	1.14	1.03	-9.3%	
PCB-27 23'6'-TrCB	16.83	4.73E+06	1.07 Y	1.48	1.40	-5.6%	
PCB-24 236'-TrCB	16.94	4.51E+06	1.04 Y	1.43	1.34	-6.7%	
PCB-16 22'3'-TrCB	17.03	2.74E+06	1.10 Y	0.89	0.81	-9.3%	
PCB-32 24'6'-TrCB	17.48	5.04E+06	1.05 Y	1.56	1.49	-4.3%	
PCB-34 2'35'-TrCB	18.57	5.80E+06	1.06 Y	1.18	1.27	7.7%	
PCB-23 235'-TrCB	18.71	6.06E+06	1.05 Y	1.19	1.33	11.9%	
PCB-26/29 23'5'-/245'-TrCB	18.98	1.22E+07	1.06 Y	1.20	1.34	11.5%	
PCB-25 23'4'-TrCB	19.16	6.12E+06	1.05 Y	1.19	1.34	12.5%	
PCB-31 24'5'-TrCB	19.42	6.31E+06	1.07 Y	1.23	1.38	12.8%	
PCB-28/20 244'-/233'-TrCB	19.68	1.21E+07	1.07 Y	1.18	1.32	12.1%	
PCB-21/33 234'-/2'34'-TrCB	19.84	1.24E+07	1.08 Y	1.21	1.36	11.9%	
PCB-22 234'-TrCB	20.20	5.62E+06	1.07 Y	1.11	1.23	10.4%	
PCB-36 33'5'-TrCB	21.55	5.97E+06	1.07 Y	1.21	1.31	7.9%	
PCB-39 34'5'-TrCB	21.85	6.33E+06	1.07 Y	1.32	1.39	5.2%	
PCB-38 345'-TrCB	22.33	5.52E+06	1.07 Y	1.15	1.21	4.8%	
PCB-35 33'4'-TrCB	22.72	5.43E+06	1.03 Y	1.13	1.19	4.9%	
PCB-37 344'-TrCB	23.06	5.59E+06	1.06 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.31	3.87E+06	0.78 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'-TeCB	19.19	6.33E+06	0.78 Y	0.83	0.76	-9.0%	
PCB-45 22'36'-TeCB	19.73	2.70E+06	0.74 Y	0.71	0.65	-8.3%	
PCB-51 22'46'-TeCB	19.81	3.16E+06	0.78 Y	0.88	0.76	-13.9%	
PCB-46 22'36'-TeCB	19.99	2.54E+06	0.77 Y	0.69	0.61	-12.6%	
PCB-52 22'55'-TeCB	21.23	2.90E+06	0.78 Y	0.80	0.69	-13.5%	
PCB-73 23'5'6TeCB	21.35	3.93E+06	0.77 Y	1.03	0.94	-8.9%	

Lab ID: - Ax2 Detail		Processed: 3-Jul-2012 12:55					
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.43	2.63E+06	0.78 Y	0.71	0.63	-10.8%	
PCB-69/49 23'46'-/22'45'TeCB	21.62	7.38E+06	0.77 Y	0.96	0.88	-8.0%	
PCB-48 22'45'-TeCB	21.88	2.98E+06	0.77 Y	0.84	0.71	-14.7%	
PCB-44/47/65 22'35'-/22'44'-	22.09	9.65E+06	0.77 Y	0.86	0.77	-10.5%	
PCB-59/62/75 233'6-/2346-/24	22.35	1.23E+07	0.77 Y	1.09	0.98	-10.2%	
PCB-42 22'34'-TeCB	22.50	2.86E+06	0.77 Y	0.77	0.68	-10.7%	
PCB-41 22'34'-TeCB	22.81	2.54E+06	0.78 Y	0.73	0.61	-16.4%	
PCB-71/40 23'46'/22'33'-TeCB	22.91	6.20E+06	0.79 Y	0.81	0.74	-8.8%	
PCB-64 234'6'-TeCB	23.11	4.31E+06	0.77 Y	1.17	1.03	-11.6%	
PCB-72 23'55'-TeCB	23.85	5.31E+06	0.78 Y	1.25	1.27	1.4%	
PCB-68 23'45'-TeCB	24.09	5.75E+06	0.77 Y	1.36	1.38	1.0%	
PCB-57 233'5'-TeCB	24.44	5.14E+06	0.76 Y	1.22	1.23	0.4%	
PCB-58 233'5'-TeCB	24.63	5.23E+06	0.79 Y	1.26	1.25	-0.5%	
PCB-67 23'45'-TeCB	24.78	5.37E+06	0.76 Y	1.27	1.28	0.7%	
PCB-63 234'5'-TeCB	25.00	5.67E+06	0.78 Y	1.34	1.36	1.6%	
PCB-61/70/74/76 2345-/23'4'5	25.28	2.13E+07	0.78 Y	1.24	1.28	2.6%	
PCB-66 23'44'-TeCB	25.55	4.91E+06	0.77 Y	1.19	1.18	-1.0%	
PCB-55 233'4'-TeCB	25.68	5.21E+06	0.77 Y	1.22	1.25	2.3%	
PCB-56 233'4'-TeCB	26.11	4.88E+06	0.79 Y	1.18	1.17	-0.9%	
PCB-60 2344'-TeCB	26.29	5.20E+06	0.79 Y	1.24	1.25	0.6%	
PCB-80 33'55'-TeCB	26.67	5.84E+06	0.78 Y	1.37	1.40	1.8%	
PCB-79 33'45'-TeCB	27.94	5.52E+06	0.80 Y	1.37	1.32	-3.4%	
PCB-78 33'45'-TeCB	28.41	4.76E+06	0.77 Y	1.19	1.14	-4.5%	
PCB-104 22'466'-PeCB	22.02	3.56E+06	0.62 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.31	3.05E+06	0.62 Y	0.81	0.87	7.4%	
PCB-103 22'45'6'-PeCB	23.99	2.65E+06	0.61 Y	0.78	0.84	8.2%	
PCB-94 22'356'-PeCB	24.16	2.35E+06	0.62 Y	0.71	0.74	4.3%	
PCB-95 22'35'6'-PeCB	24.53	2.41E+06	0.62 Y	0.74	0.76	3.1%	
PCB-100/93 22'44'6-/22'356-P	24.73	5.12E+06	0.59 Y	0.75	0.81	8.8%	
PCB-102 22'456'-PeCB	24.84	2.53E+06	0.58 Y	0.75	0.80	7.2%	
PCB-98 22'3'46'-PeCB	24.90	2.42E+06	0.60 Y	0.71	0.77	7.9%	
PCB-88 22'346'-PeCB	25.19	2.45E+06	0.59 Y	0.66	0.78	16.8%	
PCB-91 22'34'6'-PeCB	25.26	2.62E+06	0.61 Y	0.84	0.83	-1.1%	
PCB-84 22'33'6'-PeCB	25.43	2.15E+06	0.61 Y	0.65	0.68	4.8%	
PCB-89 22'346'-PeCB	25.84	2.24E+06	0.61 Y	0.69	0.71	3.2%	
PCB-121 23'45'6'-PeCB	26.24	3.38E+06	0.60 Y	0.98	1.07	8.8%	
PCB-92 22'355'-PeCB	26.54	2.38E+06	0.61 Y	0.72	0.75	5.1%	
PCB-113/90/101 233'5'6-/22'3	27.01	8.27E+06	0.61 Y	0.81	0.87	8.1%	
PCB-83 22'33'5'-PeCB	27.41	1.96E+06	0.60 Y	0.62	0.62	-0.4%	

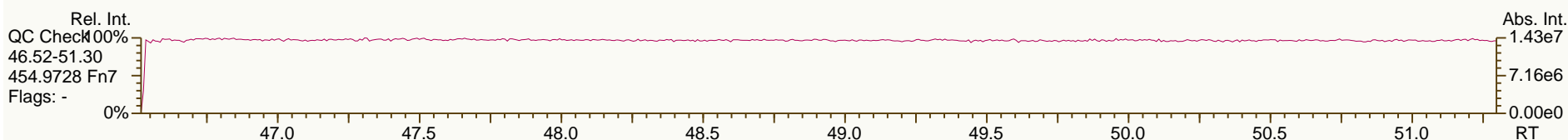
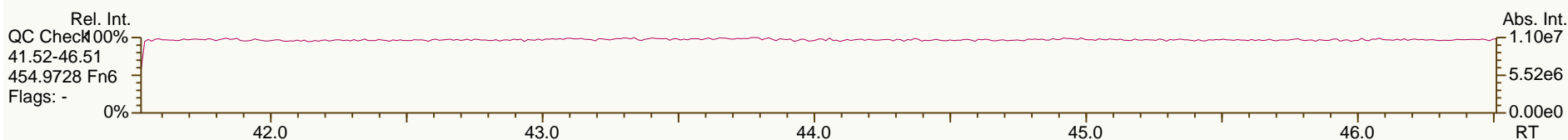
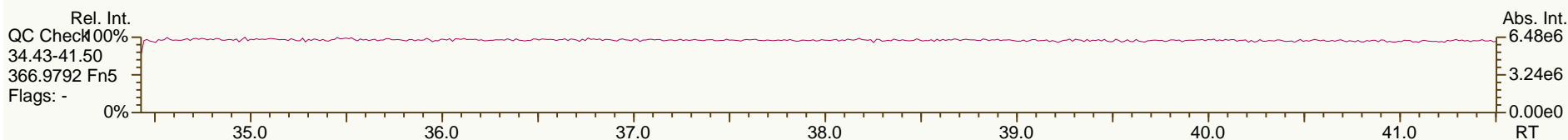
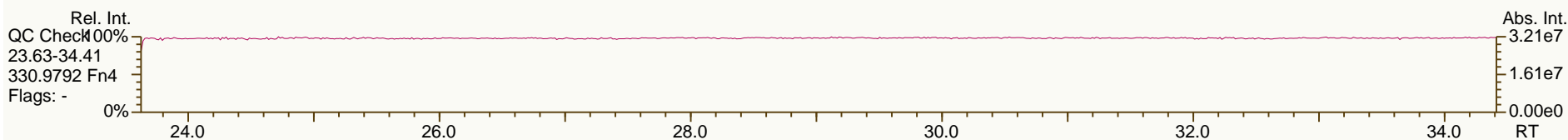
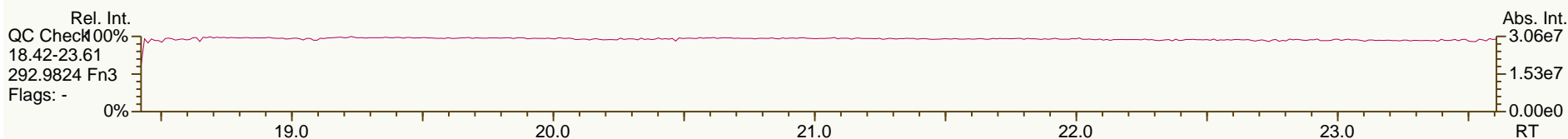
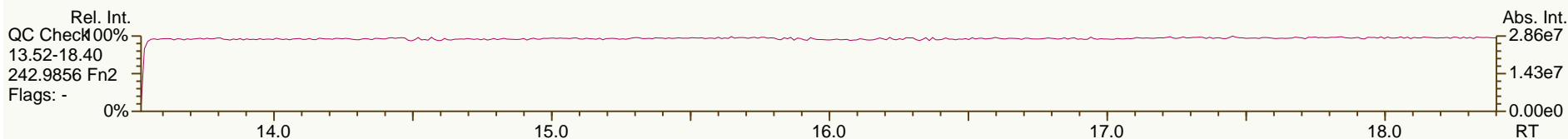
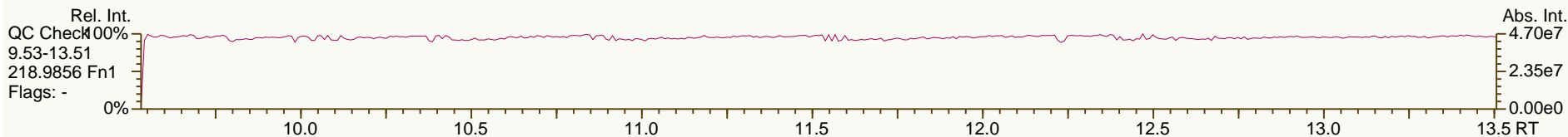
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Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.52	2.60E+06	0.61 Y	0.76	0.82	7.9%	
PCB-112 233'56-PeCB	27.61	3.17E+06	0.62 Y	0.96	1.00	4.2%	
PCB-109/119/86/97/125...-PeCB	27.95	1.69E+07	0.61 Y	0.83	0.89	8.1%	
PCB-117 234'56-PeCB	28.46	2.57E+06	0.60 Y	0.94	0.81	-13.3%	
PCB-116/85 23456-/22'344'-Pe	28.54	6.13E+06	0.61 Y	0.81	0.97	20.1%	
PCB-110 233'46-PeCB	28.67	2.81E+06	0.60 Y	0.92	0.89	-3.3%	
PCB-115 2344'6-PeCB	28.75	3.52E+06	0.62 Y	0.95	1.12	17.7%	
PCB-82 22'33'4-PeCB	28.93	2.06E+06	0.61 Y	0.62	0.65	5.9%	
PCB-111 233'55'-PeCB	29.31	3.30E+06	0.62 Y	0.98	1.04	6.1%	
PCB-120 23'455'-PeCB	29.69	3.32E+06	0.60 Y	0.99	1.05	5.9%	
PCB-108/124 ...-PeCB	30.63	6.07E+06	0.62 Y	0.92	0.96	4.5%	
PCB-107 233'4'5-PeCB	30.83	3.00E+06	0.61 Y	1.00	0.95	-4.6%	
PCB-106 233'45-PeCB	31.03	3.16E+06	0.60 Y	0.96	1.00	4.0%	
PCB-122 2'33'45-PeCB	31.48	2.94E+06	0.59 Y	0.93	1.00	8.0%	
PCB-127 33'455'-PeCB	33.45	2.97E+06	0.60 Y	1.04	1.01	-3.0%	
PCB-155 22'44'66'-HxCB	26.85	3.68E+06	1.30 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	26.98	3.40E+06	1.28 Y	0.98	0.96	-2.4%	
PCB-150 22'34'66'-HxCB	27.13	3.44E+06	1.24 Y	0.99	0.97	-1.8%	
PCB-136 22'33'66'-HxCB	27.41	3.21E+06	1.30 Y	0.92	0.90	-1.8%	
PCB-145 22'3466'HxCB	27.68	3.33E+06	1.26 Y	0.94	0.94	0.0%	
PCB-148 22'34'56'-HxCB	28.98	2.52E+06	1.34 Y	0.73	0.71	-3.1%	
PCB-151/135 22'355'6-/22'33'	29.48	4.96E+06	1.28 Y	0.71	0.70	-1.7%	
PCB-154 22'44'5'6-HxCB	29.70	2.75E+06	1.26 Y	0.78	0.77	-1.3%	
PCB-144 22'345'6-HxCB	29.94	2.49E+06	1.26 Y	0.72	0.70	-2.5%	
PCB-147/149 22'34'56-/22'34'	30.24	5.05E+06	1.24 Y	0.72	0.71	-1.8%	
PCB-134 22'33'56-HxCB	30.39	1.94E+06	1.23 Y	0.61	0.55	-9.8%	
PCB-143 22'3456'-HxCB	30.47	2.54E+06	1.27 Y	0.69	0.72	3.2%	
PCB-139/140 22'344'6-/22'344'	30.74	5.19E+06	1.22 Y	0.73	0.73	-0.5%	
PCB-131 22'33'46-HxCB	30.90	2.18E+06	1.23 Y	0.65	0.61	-5.0%	
PCB-142 22'3456-HxCB	31.03	2.26E+06	1.30 Y	0.67	0.63	-5.7%	
PCB-132 22'33'46'-HxCB	31.27	2.26E+06	1.31 Y	0.68	0.64	-6.4%	
PCB-133 22'33'55'-HxCB	31.73	2.33E+06	1.24 Y	0.69	0.66	-4.6%	
PCB-165 233'55'6-HxCB	32.07	2.83E+06	1.25 Y	0.82	0.80	-3.1%	
PCB-146 22'34'55'-HxCB	32.28	2.54E+06	1.22 Y	0.73	0.71	-2.2%	
PCB-161 233'45'6-HxCB	32.39	3.11E+06	1.25 Y	0.93	0.88	-5.5%	
PCB-153/168 22'44'55'-/23'44'	32.82	5.91E+06	1.24 Y	0.89	0.83	-6.4%	
PCB-141 22'3455'-HxCB	32.94	2.42E+06	1.22 Y	0.71	0.68	-3.6%	
PCB-130 22'33'45'-HxCB	33.28	2.07E+06	1.23 Y	0.64	0.58	-8.5%	
PCB-137 22'344'5-HxCB	33.48	2.59E+06	1.26 Y	0.78	0.73	-6.4%	
PCB-164 233'4'5'6-HxCB	33.57	3.02E+06	1.26 Y	0.88	0.85	-3.3%	
PCB-163/138/129 233'4'56-/22'	33.84	7.71E+06	1.23 Y	0.76	0.72	-5.0%	

Lab ID: - Ax2 Detail				Processed: 3-Jul-2012 12:55			
Lab ID:	CS3_120629_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	29-JUN-2012 12:43						
Datafile:	120629S03						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	33.97	2.98E+06	1.25 Y	0.88	0.84	-5.1%	
PCB-158 233'44'6'-HxCB	34.16	3.33E+06	1.29 Y	0.96	0.94	-2.6%	
PCB-128/166 22'33'44'-/2344'5	34.87	5.14E+06	1.28 Y	0.86	0.95	9.5%	
PCB-159 233'455'-HxCB	35.73	2.91E+06	1.28 Y	1.03	1.07	4.4%	
PCB-162 233'4'55'-HxCB	35.97	2.96E+06	1.27 Y	1.04	1.09	4.9%	
PCB-188 22'34'566'-HpCB	31.66	3.21E+06	1.06 Y	1.07	-	-	
PCB-179 22'33'566'-HpCB	31.92	2.91E+06	1.08 Y	0.98	0.97	-0.4%	
PCB-184 22'344'66'-HpCB	32.39	2.86E+06	1.04 Y	0.97	0.96	-1.5%	
PCB-176 22'33'466'-HpCB	32.66	3.21E+06	1.11 Y	1.06	1.07	0.9%	
PCB-186 22'34566'-HpCB	33.04	2.98E+06	1.06 Y	1.02	1.00	-1.7%	
PCB-178 22'33'55'6'-HpCB	34.22	2.17E+06	1.04 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	34.76	2.30E+06	1.03 Y	0.70	0.77	10.1%	
PCB-187 22'34'55'6'-HpCB	34.99	2.36E+06	1.02 Y	0.73	0.79	7.9%	
PCB-182 22'344'56'-HpCB	35.16	2.41E+06	1.05 Y	0.74	0.81	8.4%	
PCB-183 22'344'5'6'-HpCB	35.50	2.71E+06	1.05 Y	0.75	0.91	21.1%	
PCB-185 22'3455'6'-HpCB	35.57	2.14E+06	1.02 Y	0.73	0.72	-1.6%	
PCB-174 22'33'456'-HpCB	35.68	1.95E+06	1.05 Y	0.63	0.65	4.0%	
PCB-177 22'33'4'56'-HpCB	36.05	2.00E+06	1.05 Y	0.64	0.67	4.7%	
PCB-181 22'344'56'-HpCB	36.39	2.35E+06	1.06 Y	0.72	0.79	10.0%	
PCB-171/173 22'33'44'6'-/22'3	36.56	4.16E+06	1.07 Y	0.64	0.70	9.5%	
PCB-172 22'33'455'-HpCB	37.96	2.03E+06	1.05 Y	0.69	0.66	-3.8%	
PCB-192 233'455'6'-HpCB	38.20	2.61E+06	1.03 Y	0.91	0.85	-6.3%	
PCB-180/193 22'344'55'-/233'	38.48	5.03E+06	1.05 Y	0.84	0.82	-2.8%	
PCB-191 233'44'5'6'-HpCB	38.80	2.73E+06	1.04 Y	0.94	0.89	-5.7%	
PCB-170 22'33'44'5'-HpCB	39.55	2.00E+06	1.04 Y	0.70	0.65	-6.8%	
PCB-190 233'44'56'-HpCB	40.00	2.78E+06	1.04 Y	0.94	0.91	-4.1%	
PCB-202 22'33'55'66'-OcCB	36.17	2.31E+06	0.91 Y	0.83	-	-	
PCB-201 22'33'45'66'-OcCB	36.95	2.60E+06	0.90 Y	0.93	0.94	2.0%	
PCB-204 22'344'566'-OcCB	37.52	2.45E+06	0.87 Y	0.89	0.89	0.1%	
PCB-197 22'33'44'66'-OcCB	37.70	2.55E+06	0.89 Y	0.91	0.92	1.4%	
PCB-200 22'33'4566'-OcCB	37.78	2.59E+06	0.87 Y	0.93	0.94	1.5%	
PCB-198/199 22'33'455'6'-/22'	40.14	3.68E+06	0.85 Y	0.68	0.67	-2.1%	
PCB-196 22'33'44'56'-OcCB	40.71	1.94E+06	0.86 Y	0.72	0.70	-1.8%	
PCB-203 22'344'55'6'-OcCB	40.88	2.04E+06	0.88 Y	0.74	0.74	0.7%	
PCB-195 22'33'44'56'-OcCB	41.97	1.73E+06	0.89 Y	0.81	0.69	-14.8%	
PCB-194 22'33'44'55'-OcCB	43.95	1.86E+06	0.90 Y	0.86	0.74	-13.4%	
PCB-205 233'44'55'6'-OcCB	44.35	2.36E+06	0.89 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	41.79	2.15E+06	0.80 Y	0.98	-	-	
PCB-207 22'33'44'566'-NoCB	42.57	2.28E+06	0.77 Y	1.02	0.99	-2.8%	
PCB-206 22'33'44'55'6'-NoCB	45.82	1.69E+06	0.77 Y	0.93	-	-	

AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

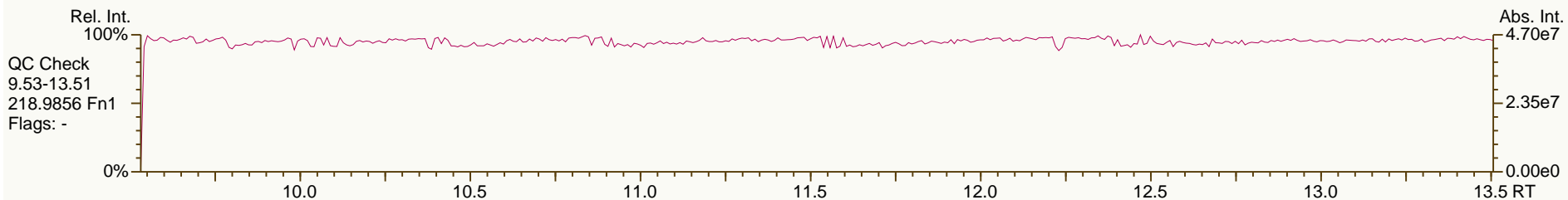
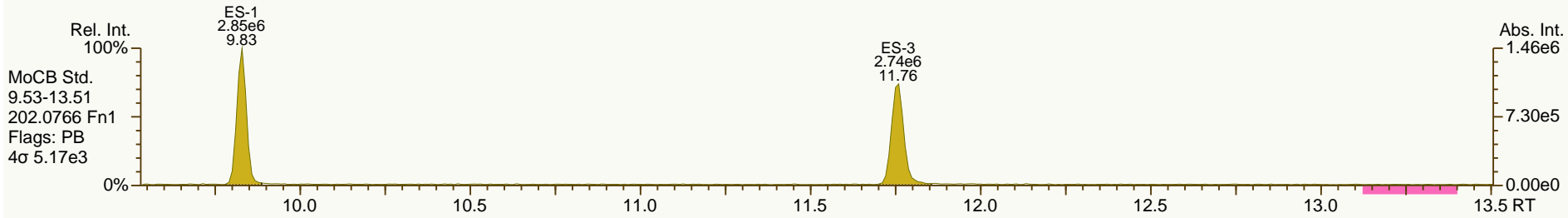
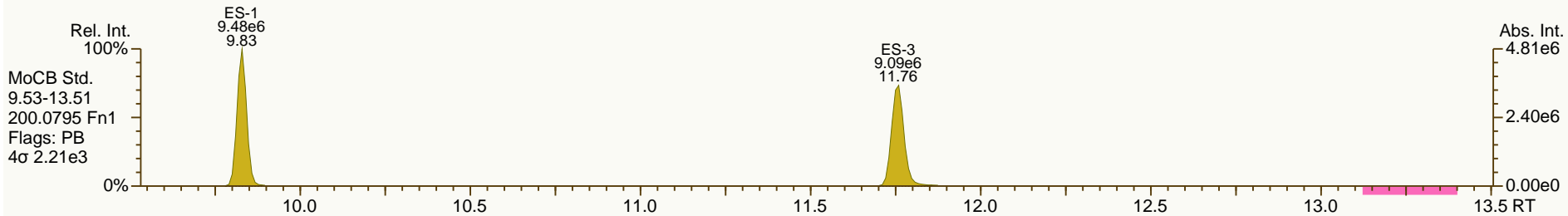
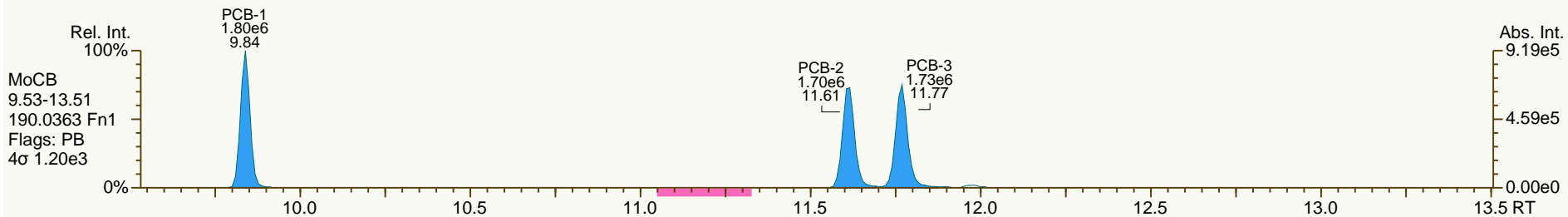
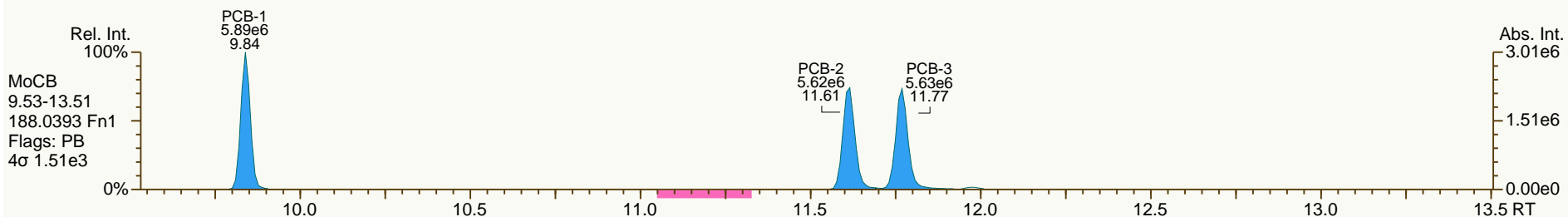
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

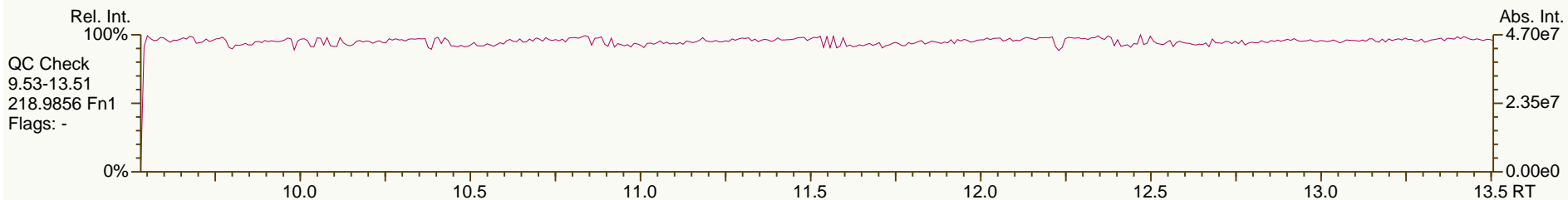
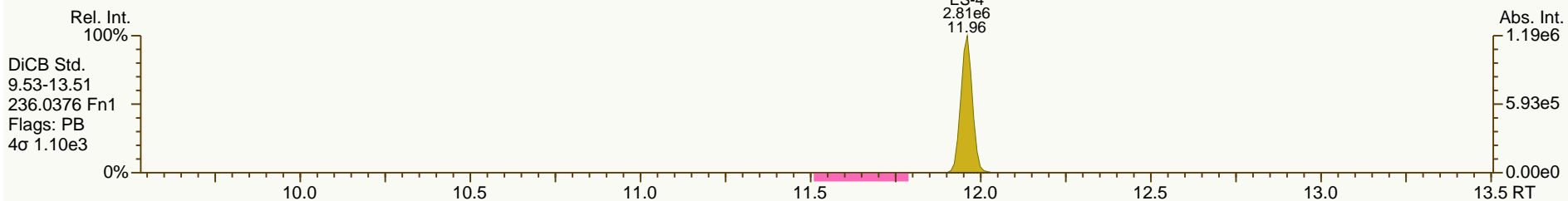
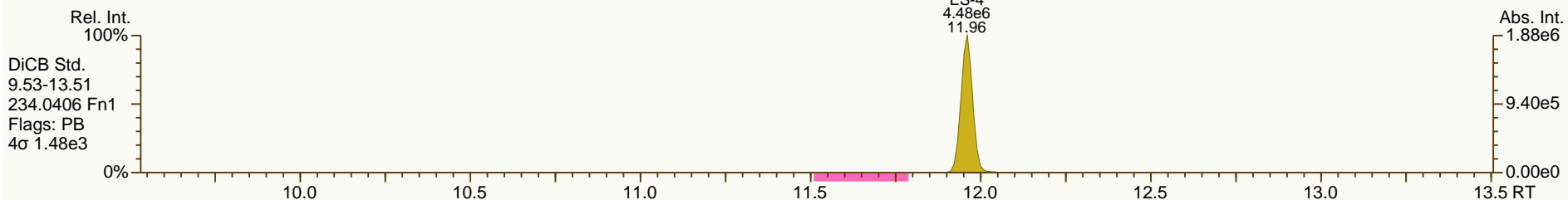
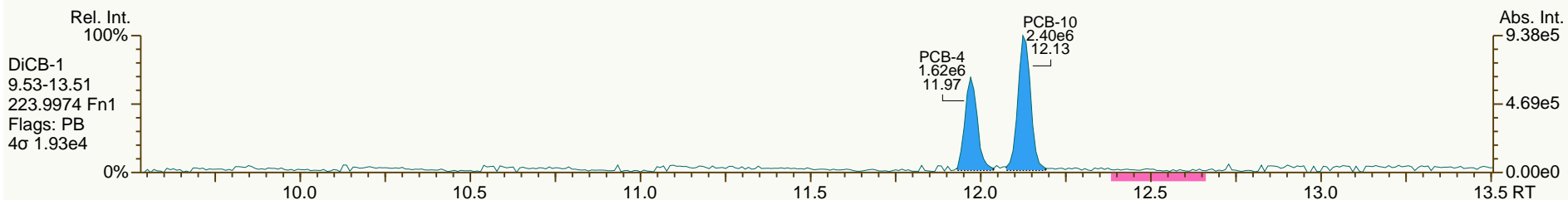
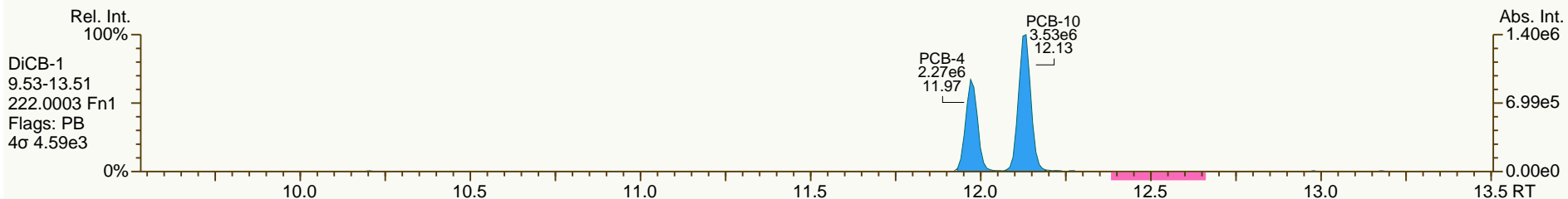
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

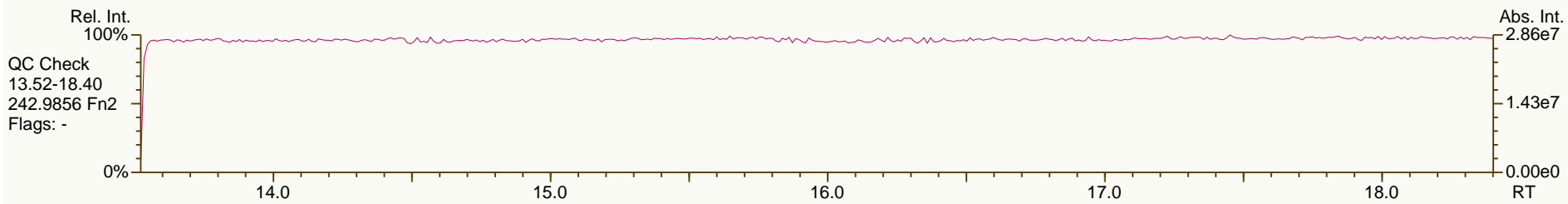
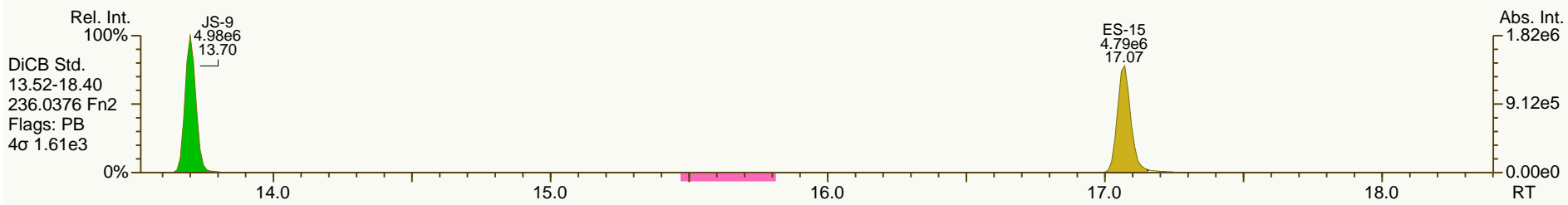
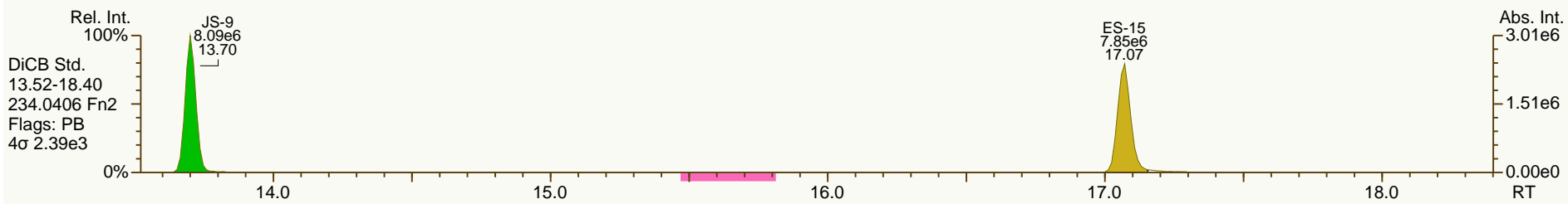
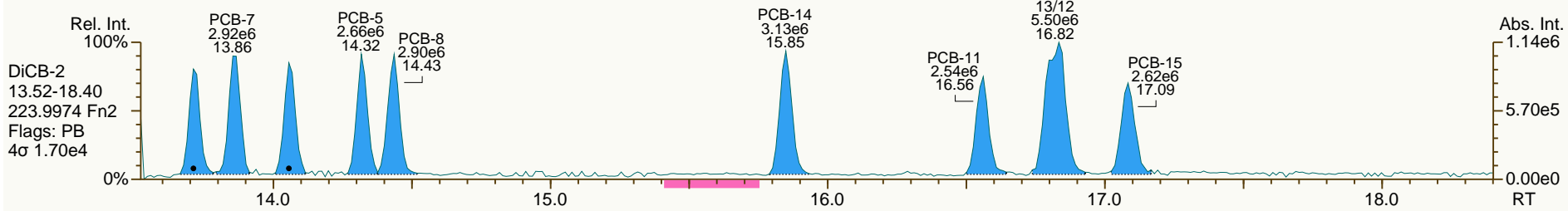
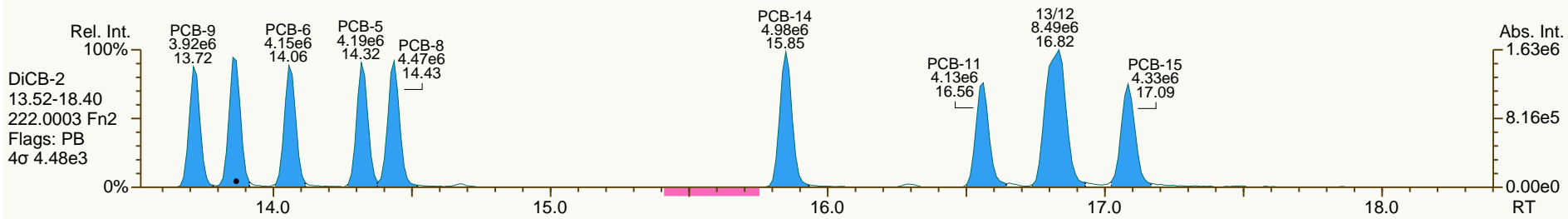
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

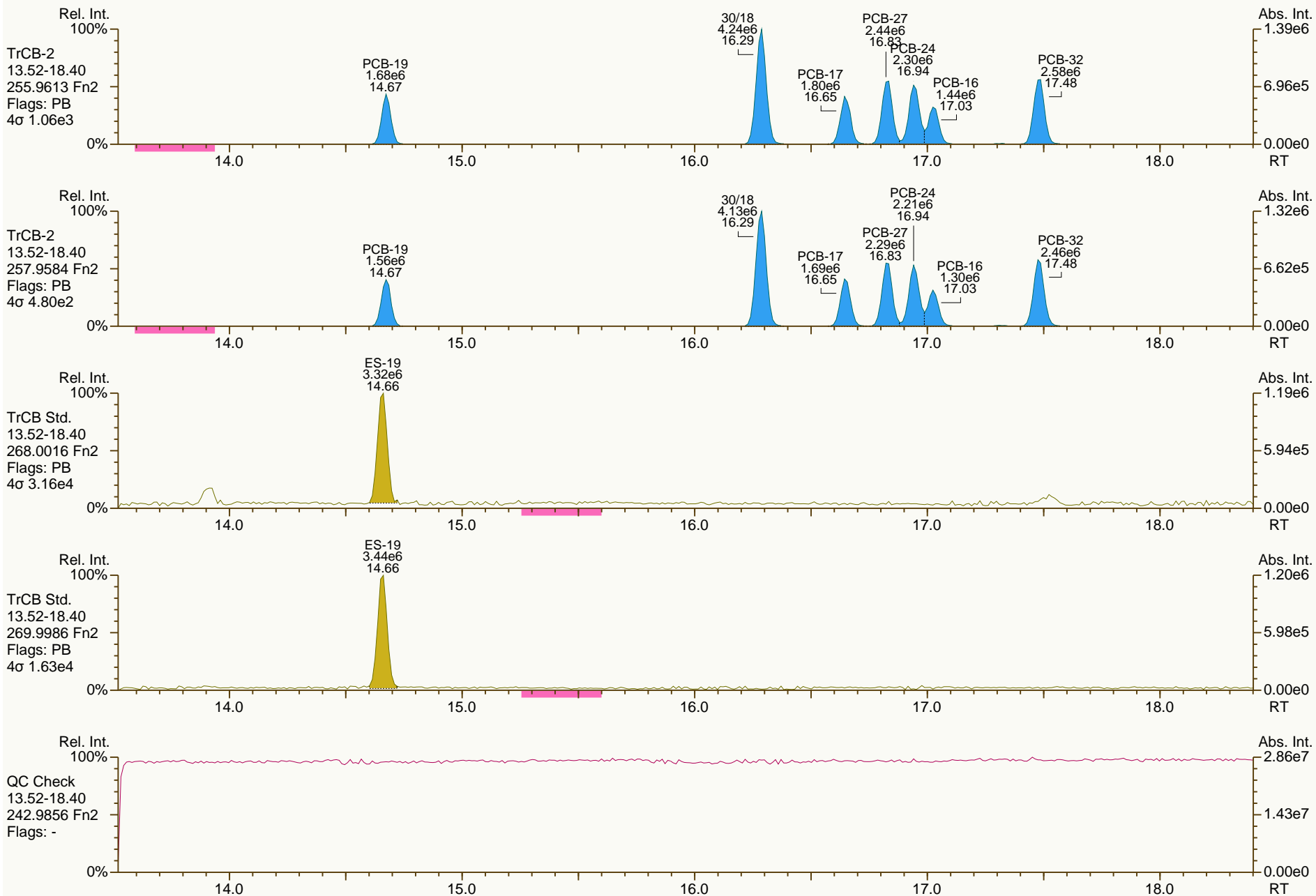
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

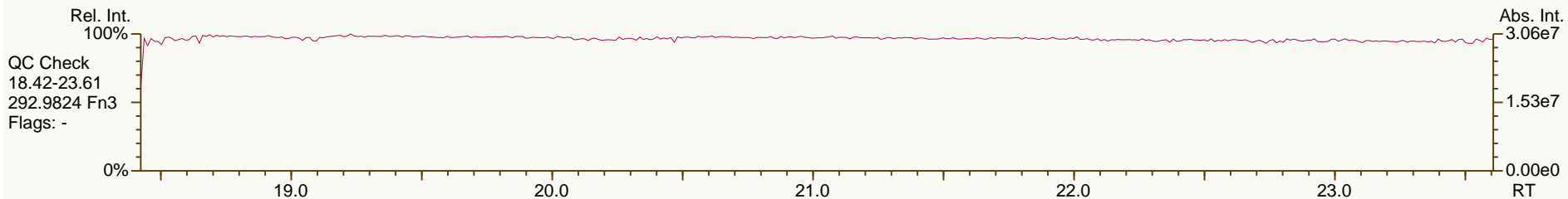
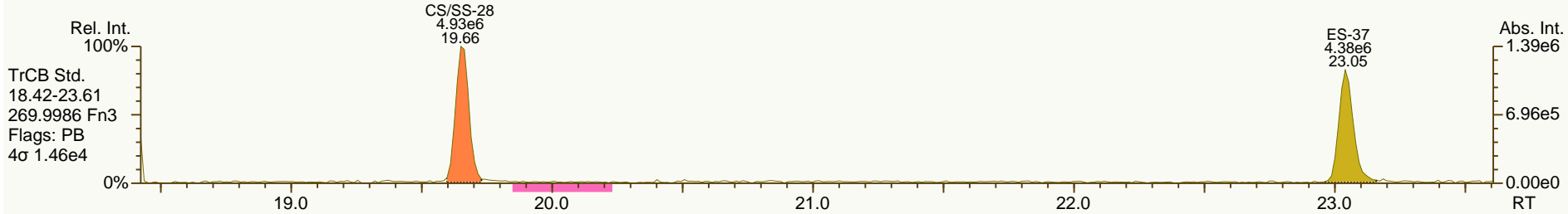
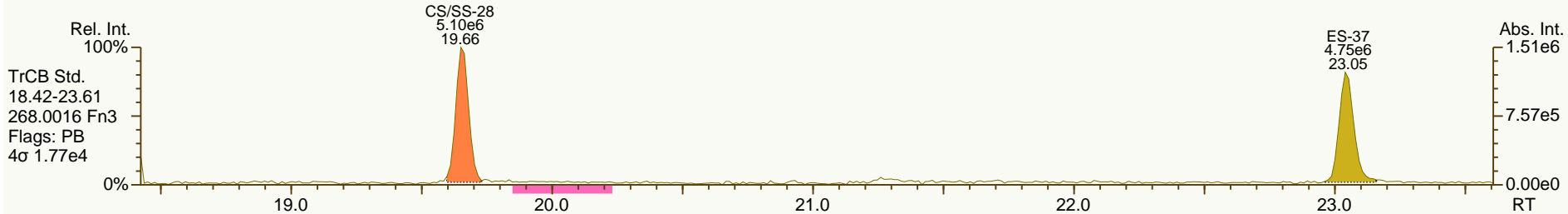
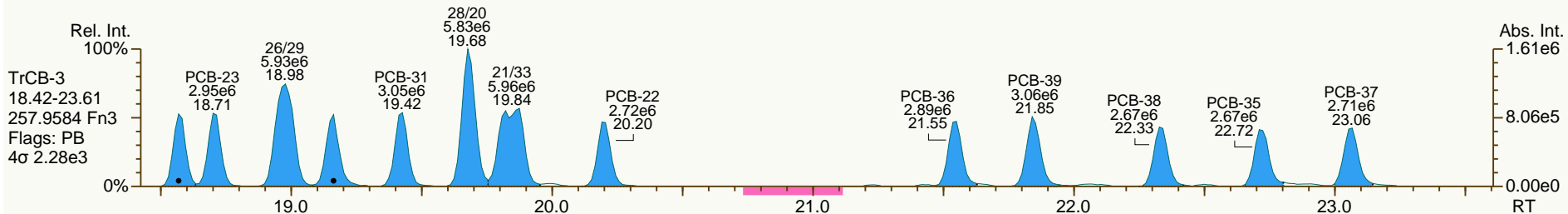
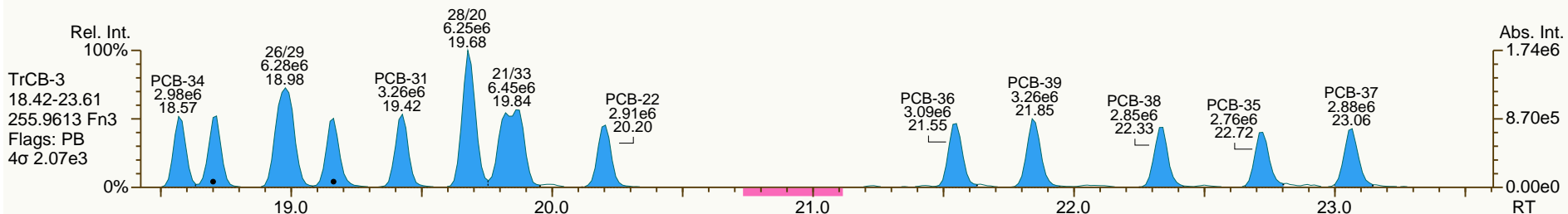
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

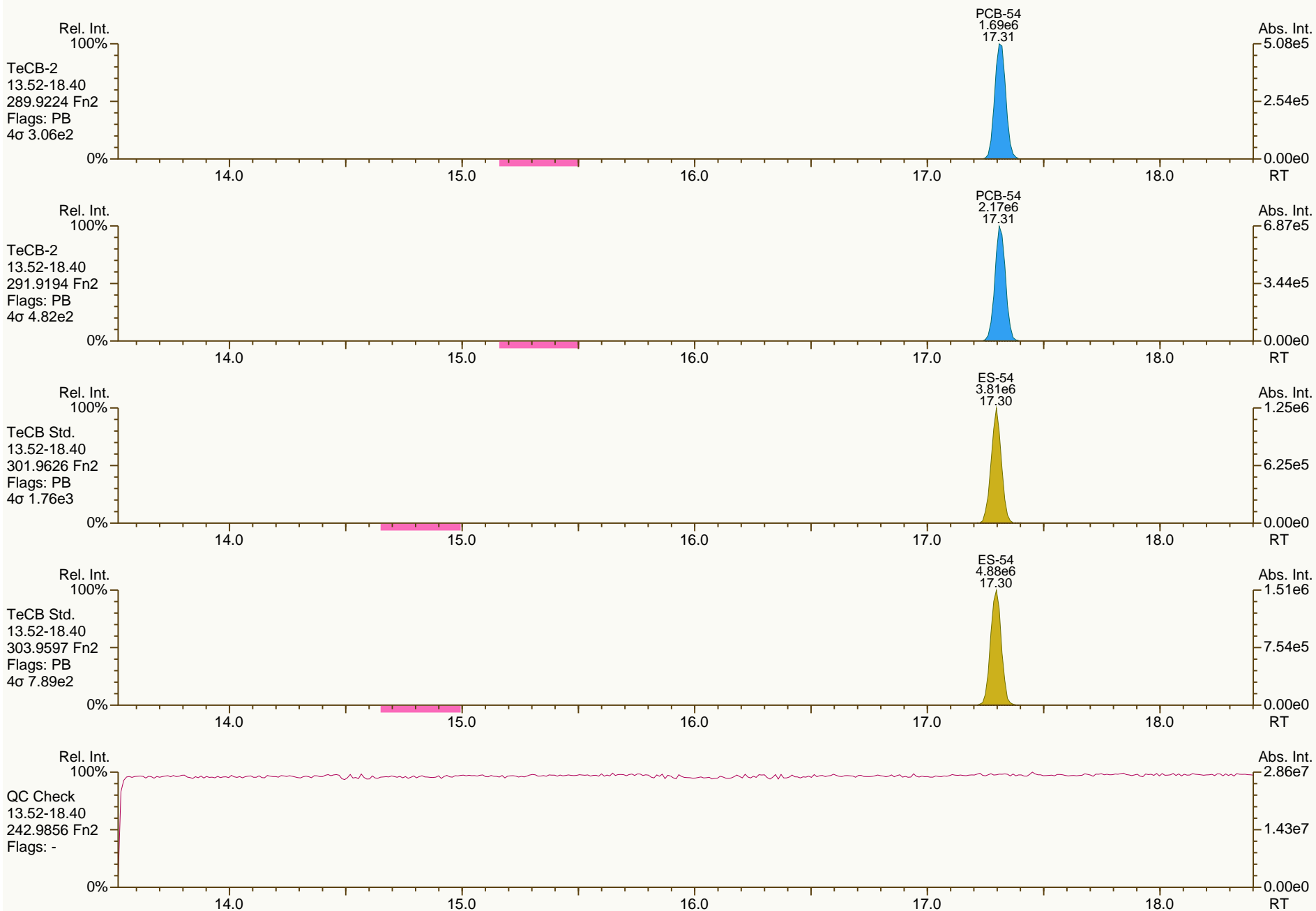
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

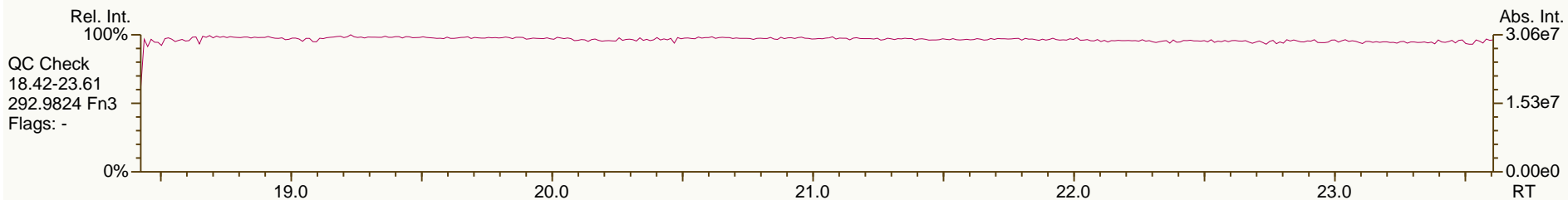
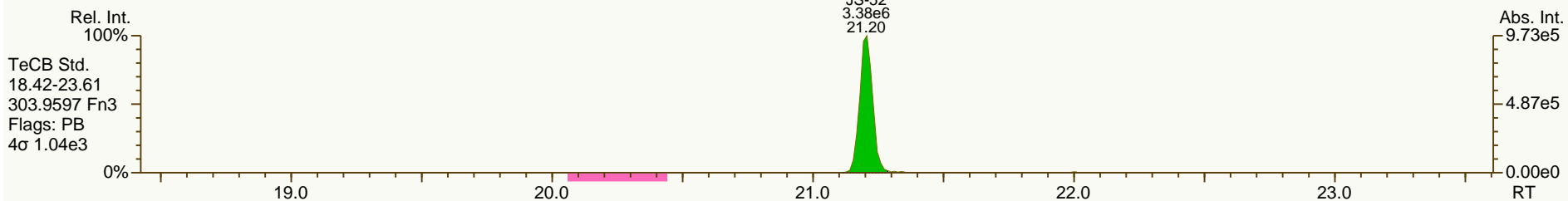
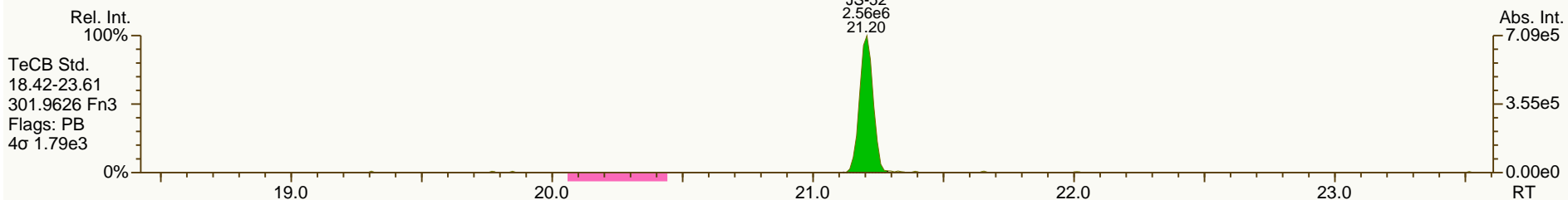
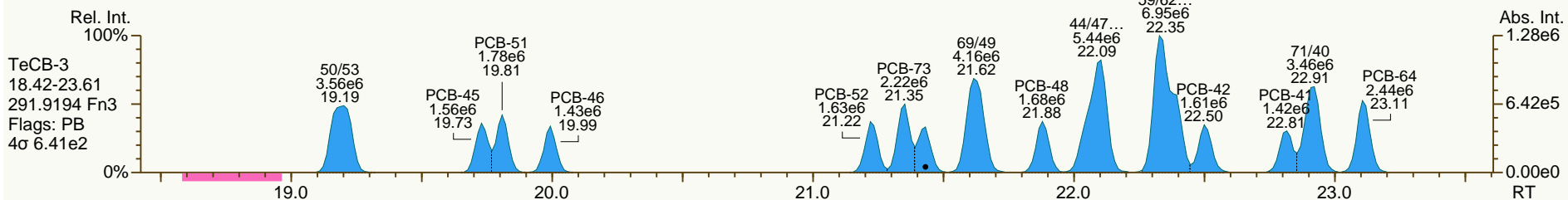
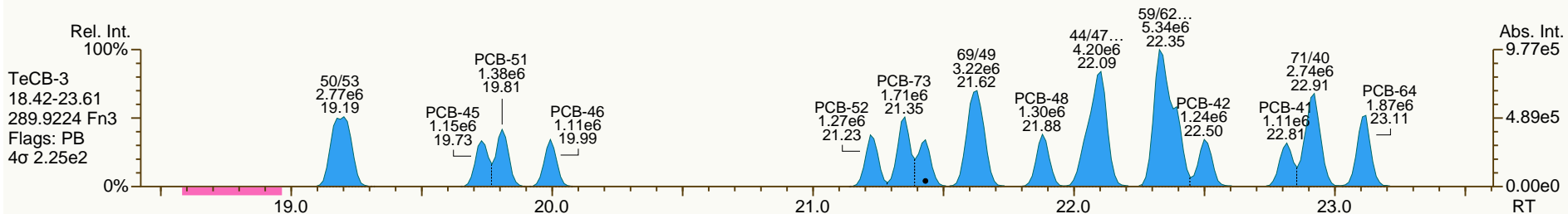
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

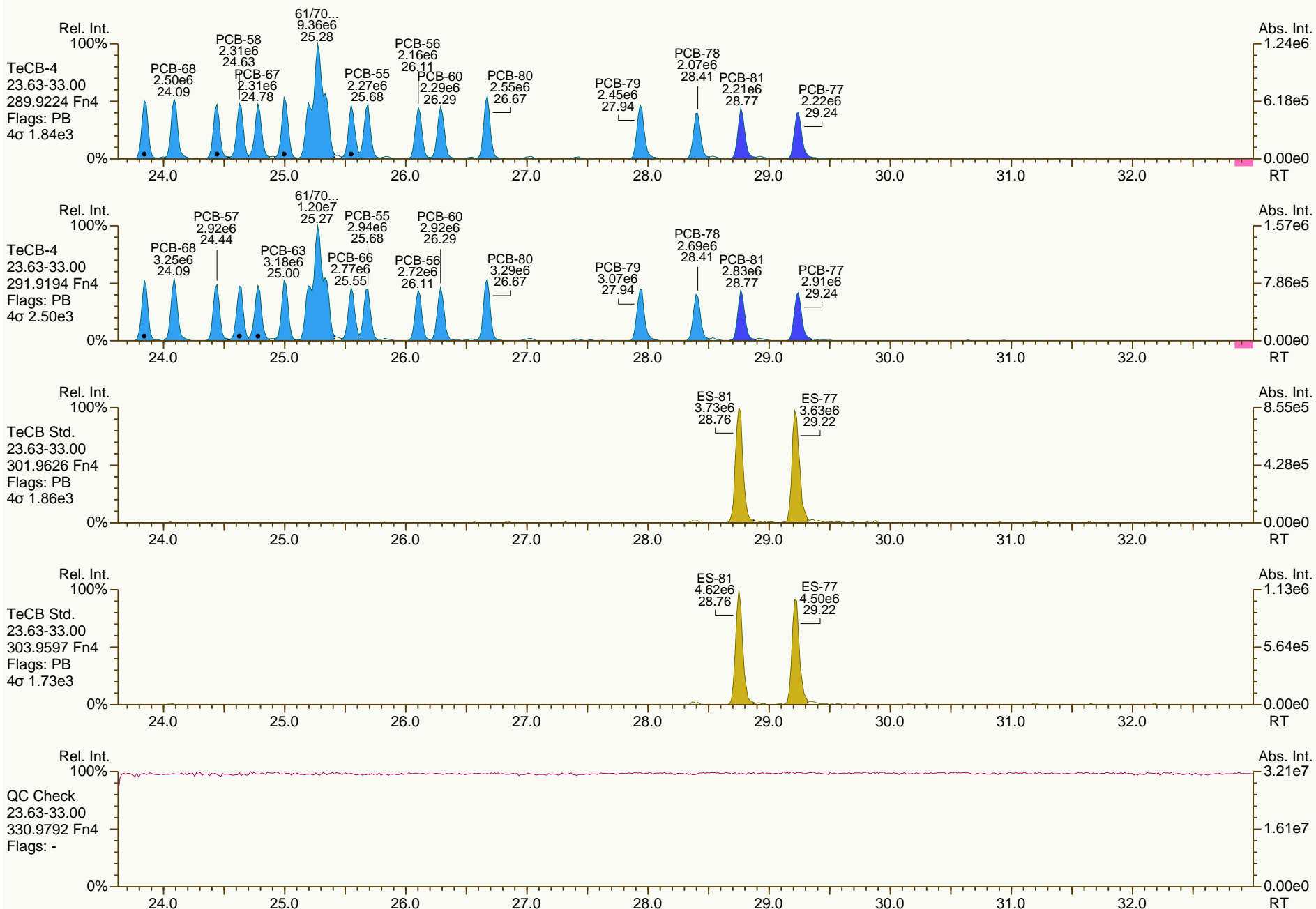
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

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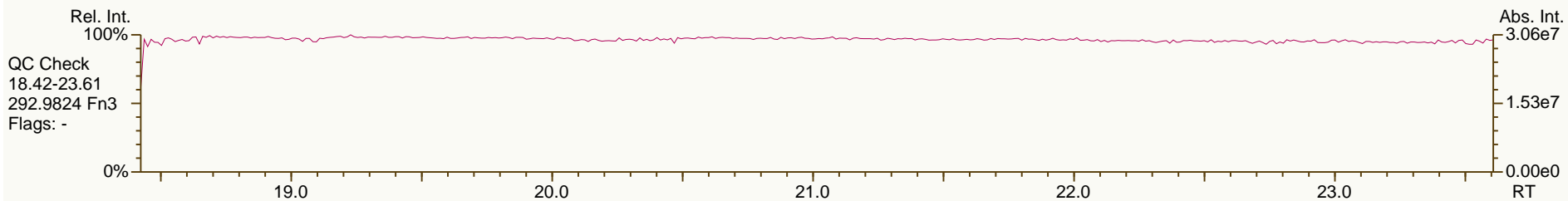
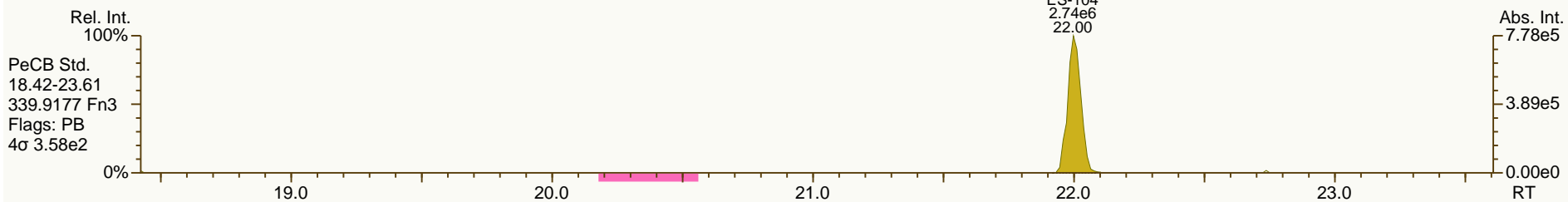
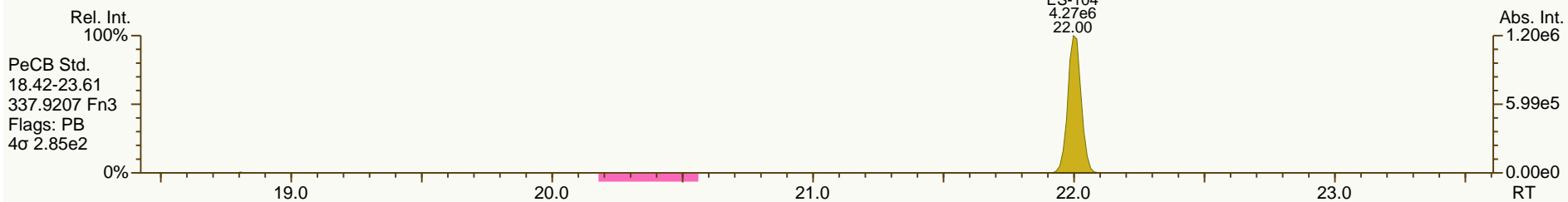
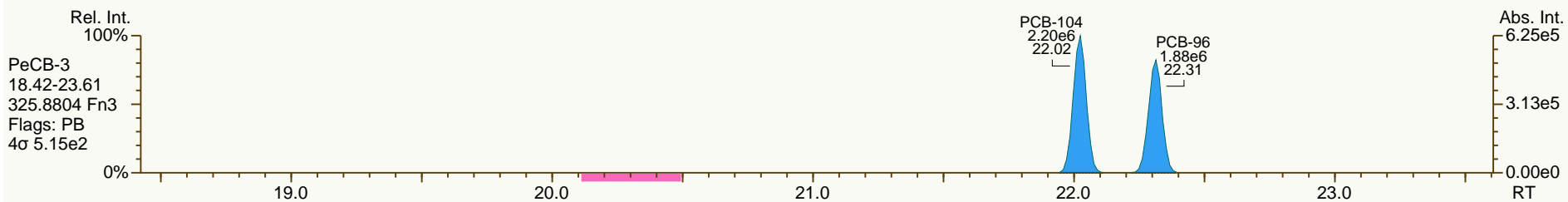
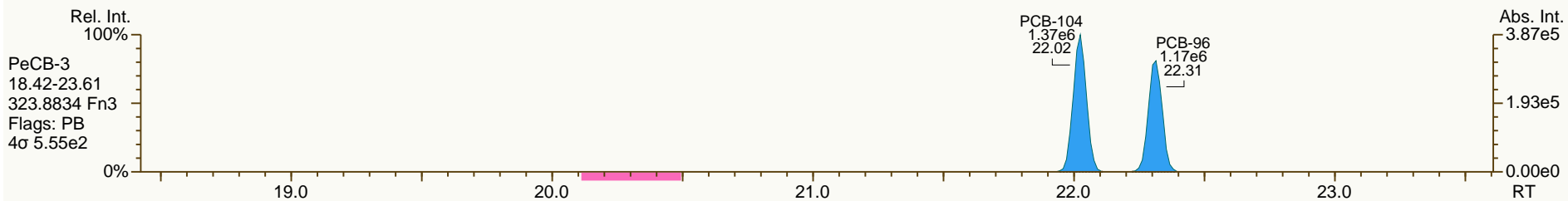
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

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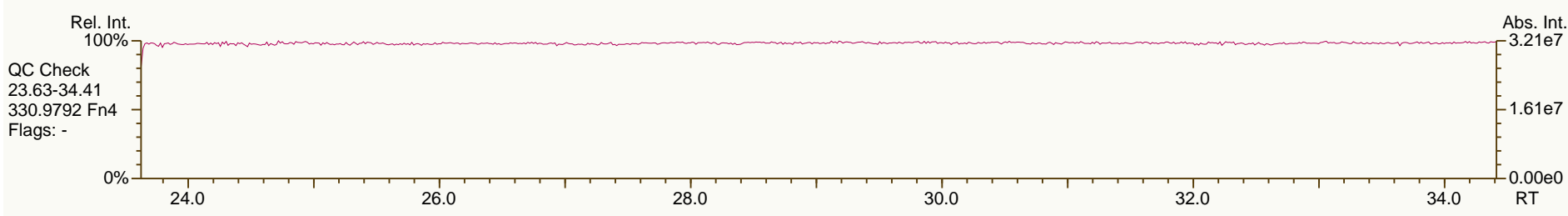
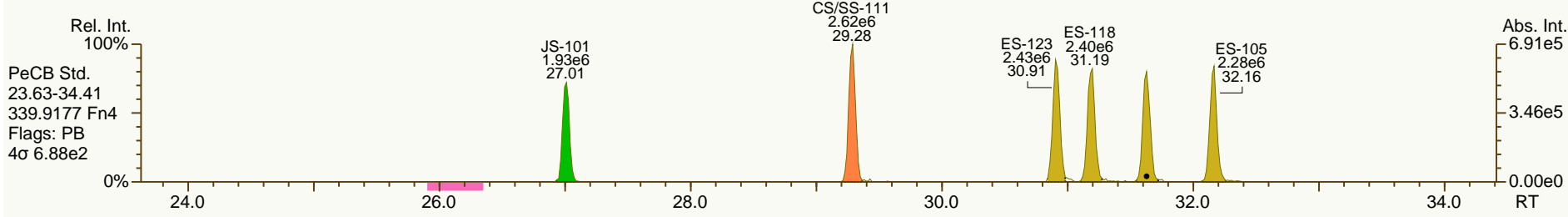
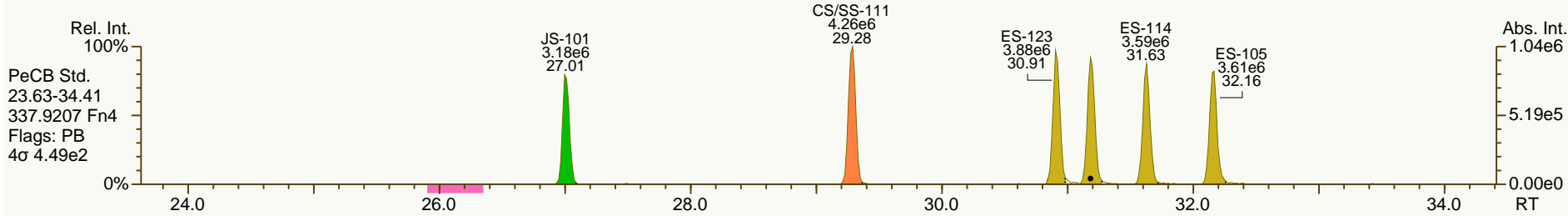
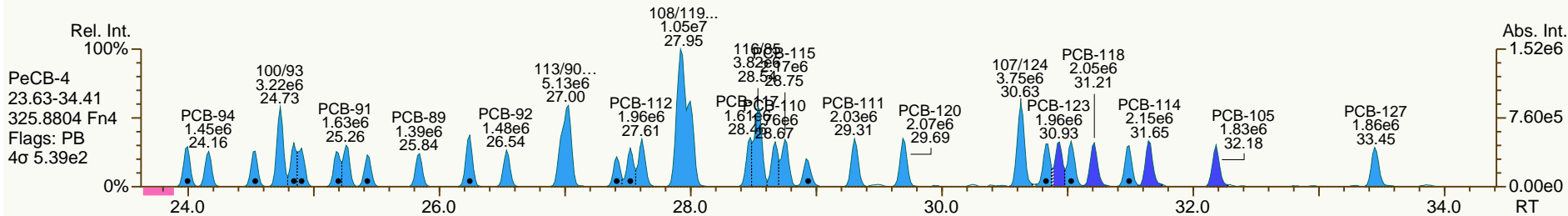
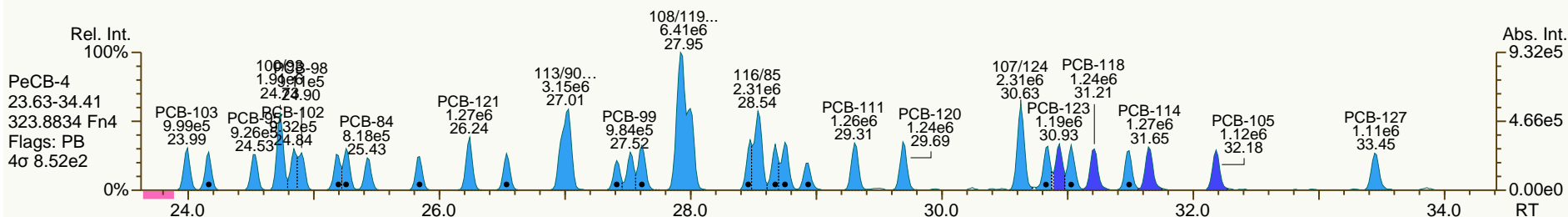
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AP Lab ID: CS3_120629_PCB_SB
Instr: AutoSpec-Ultima MM4

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VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

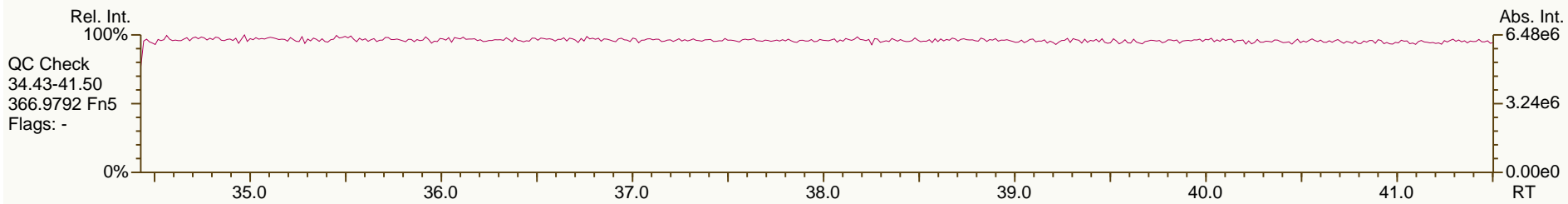
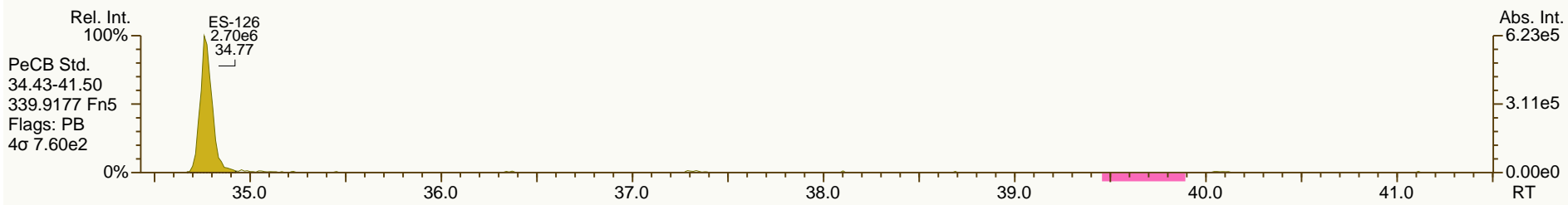
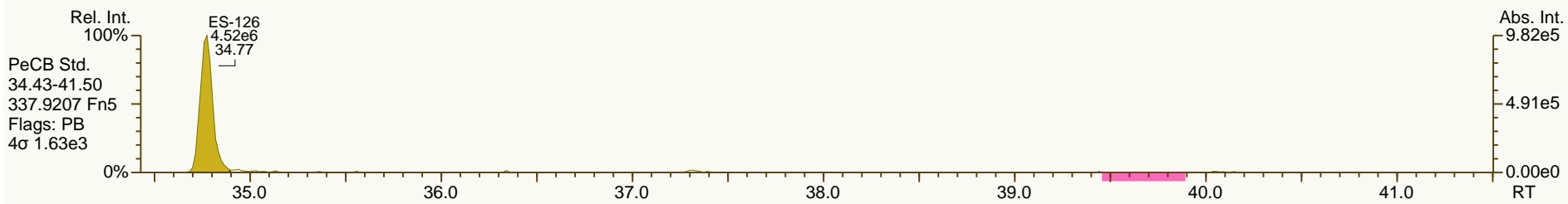
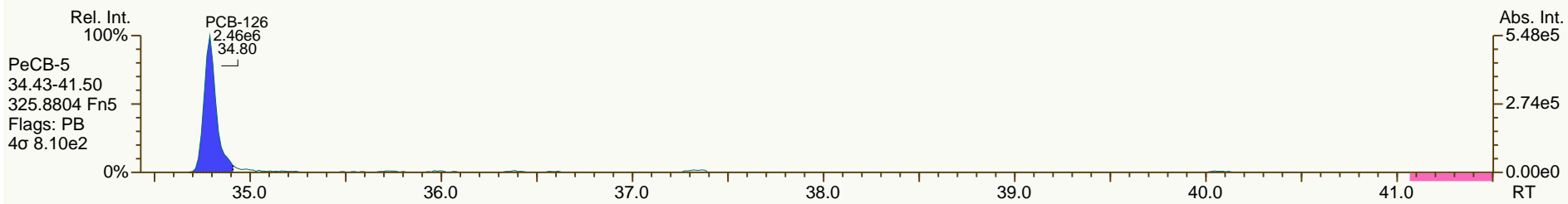
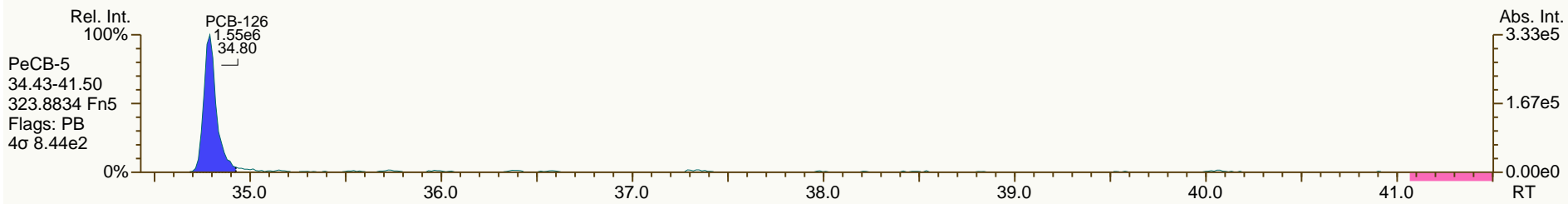
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

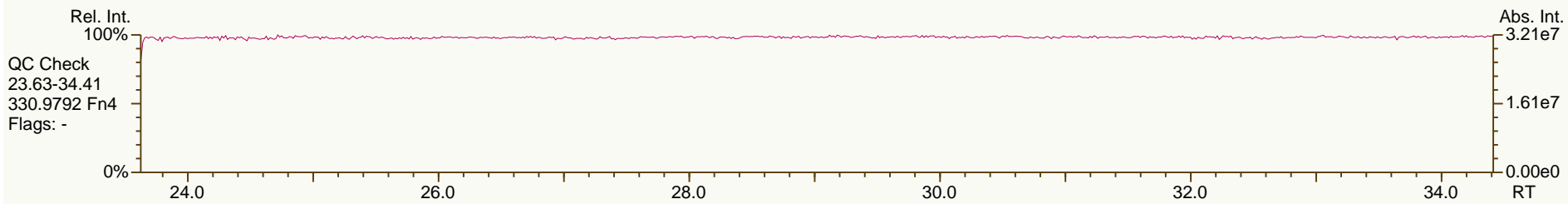
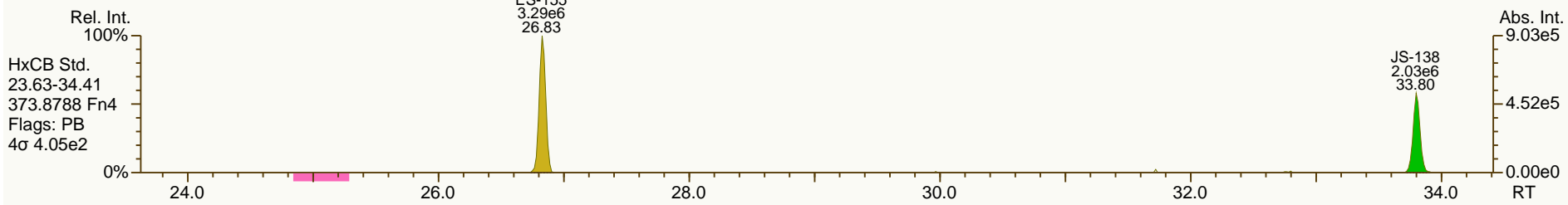
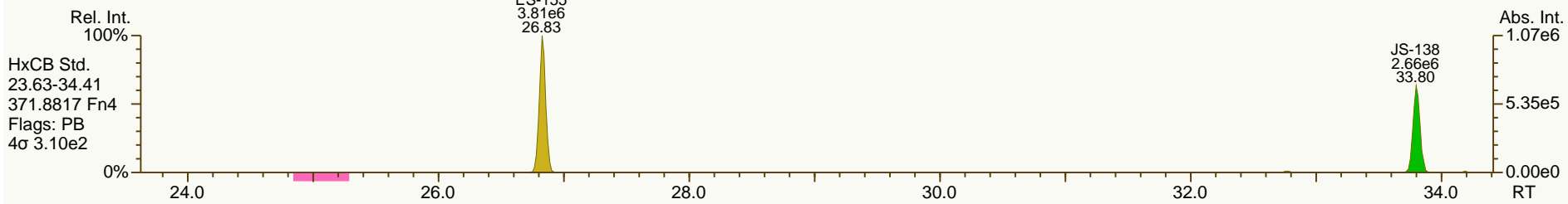
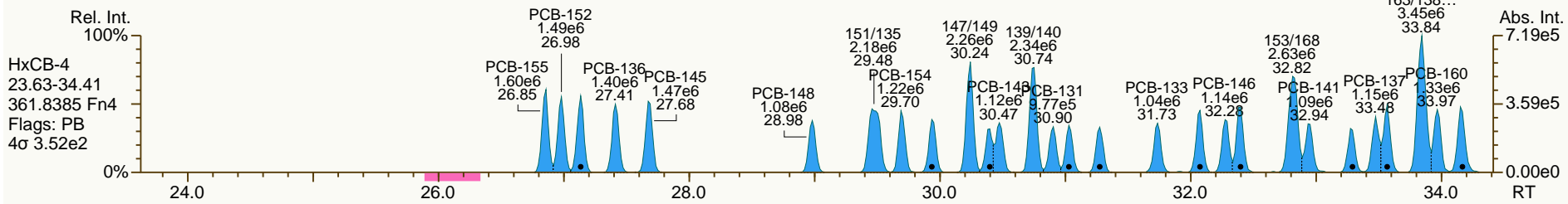
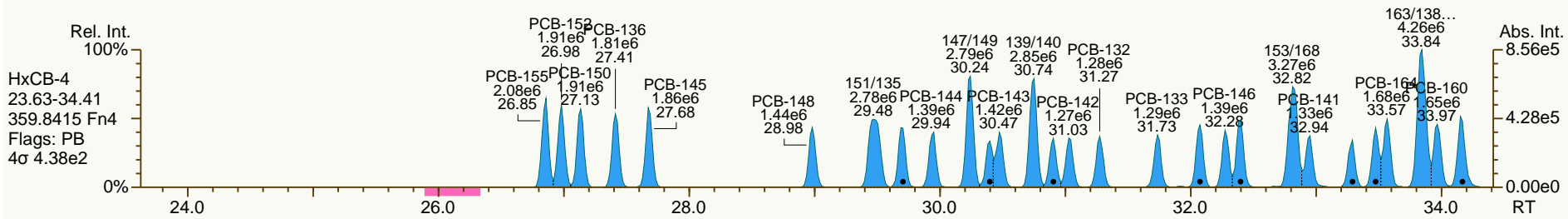
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AP Lab ID: CS3_120629_PCB_SB
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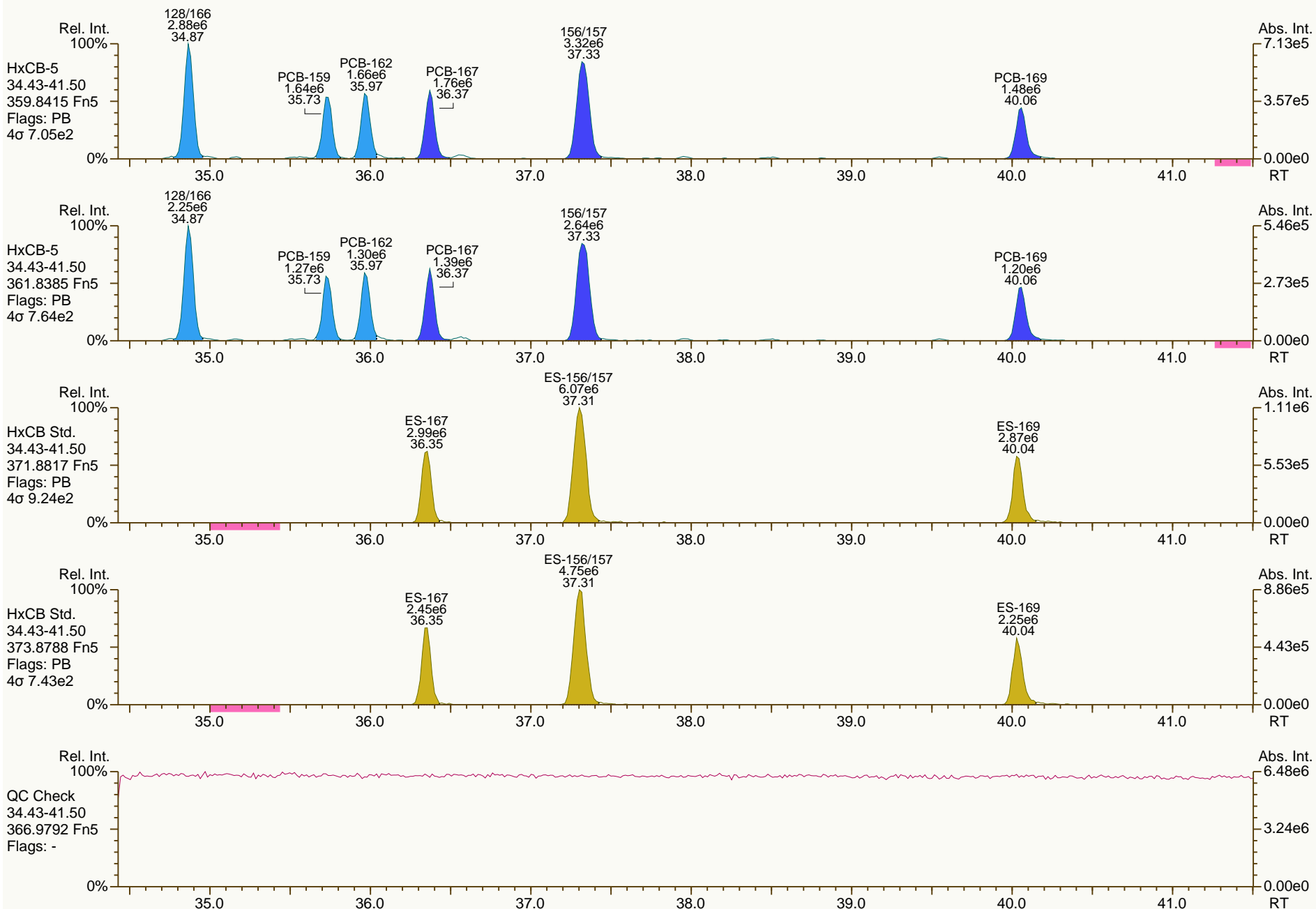
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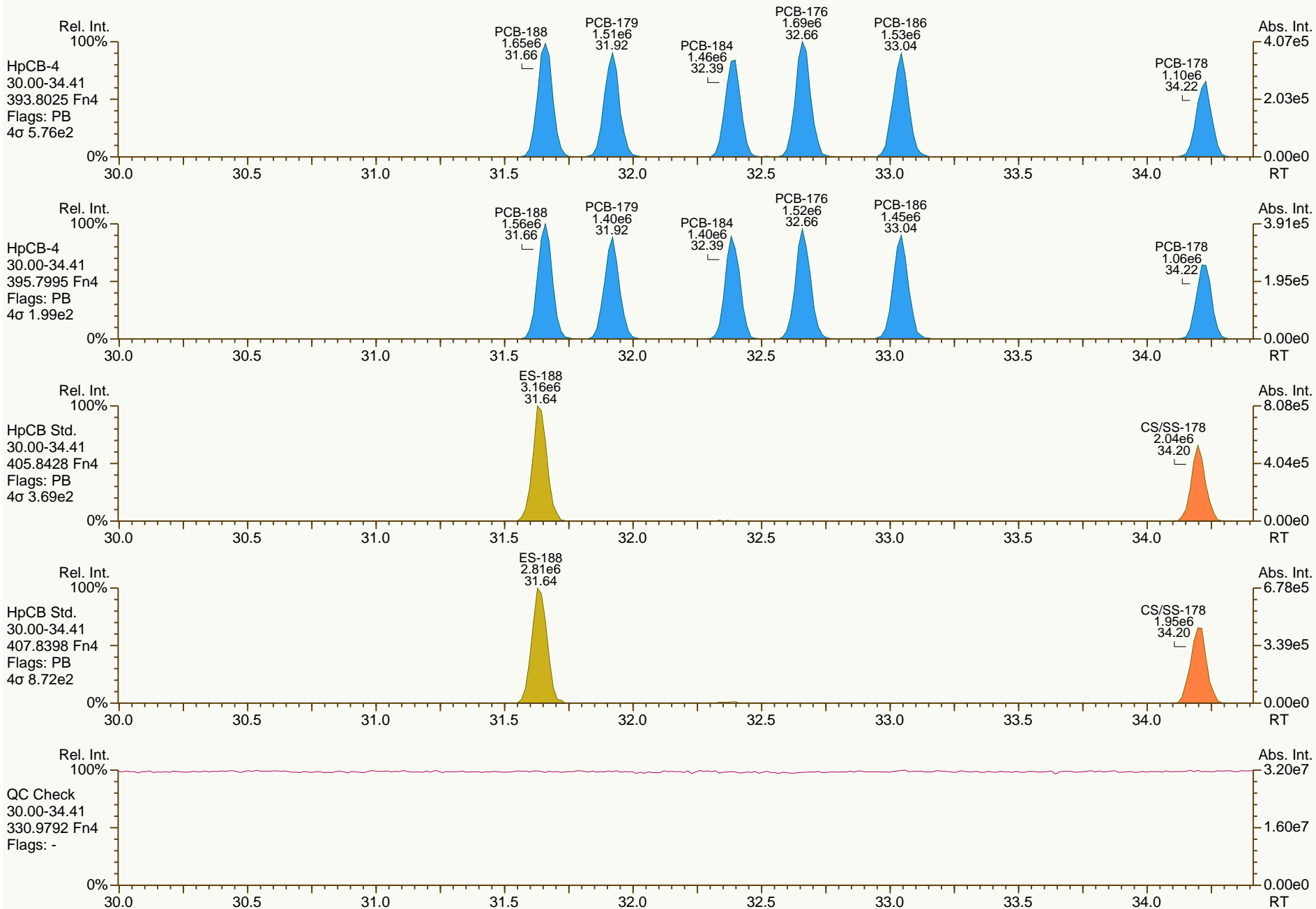
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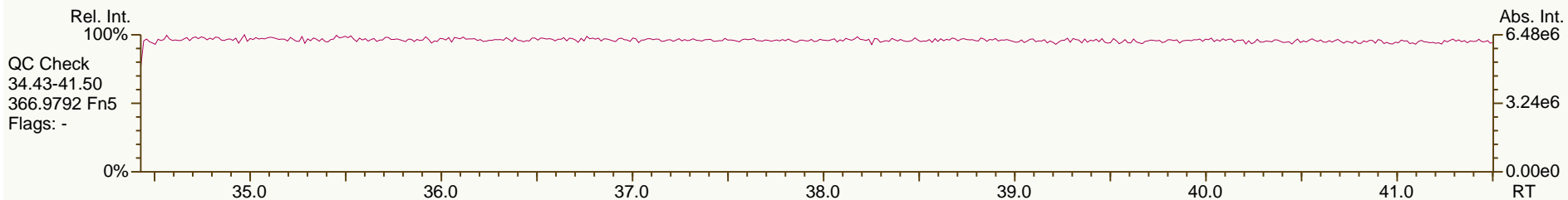
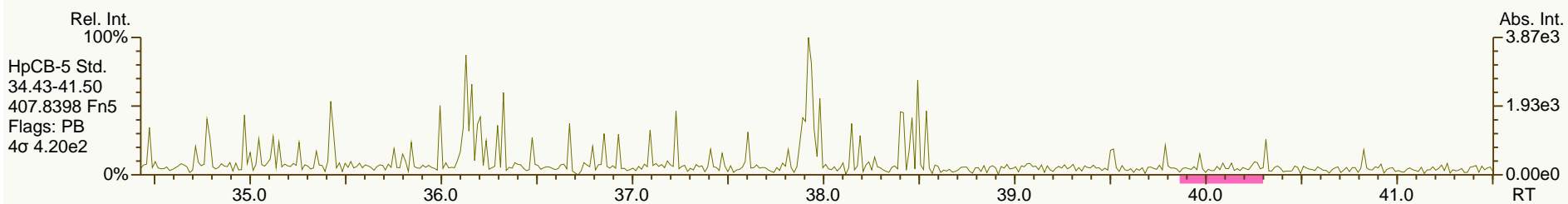
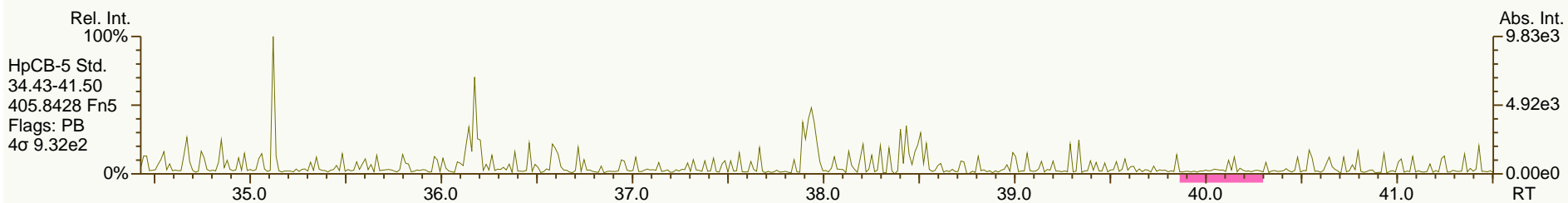
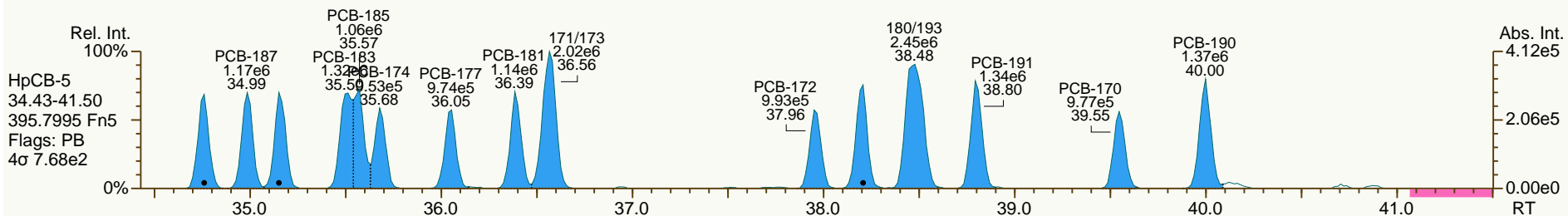
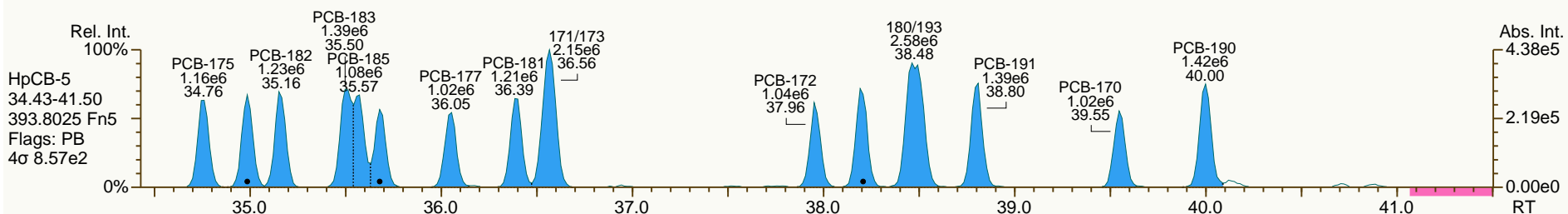
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AP Lab ID: CS3_120629_PCB_SB
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Sample ID: M1668-RETCON S40-51
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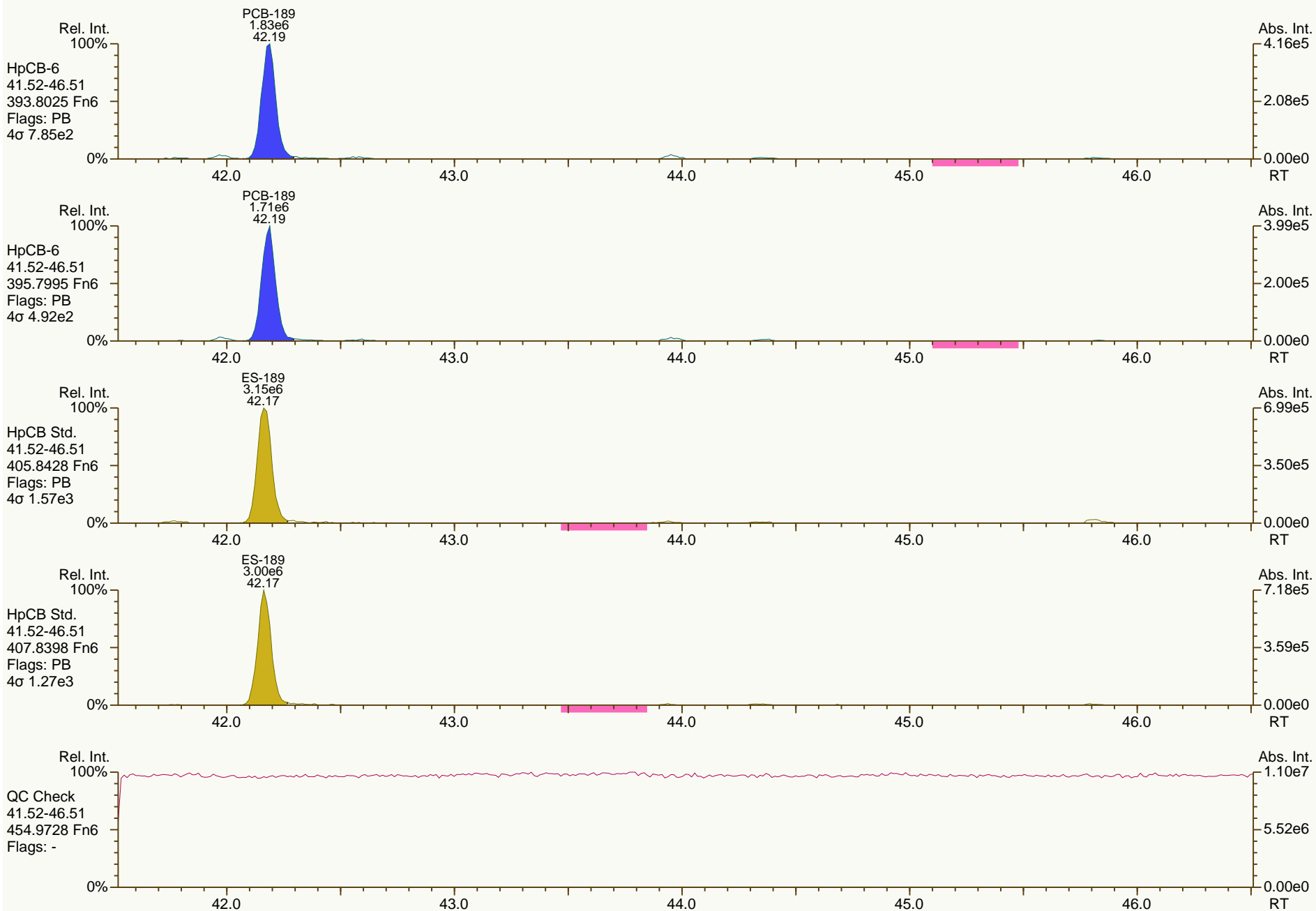
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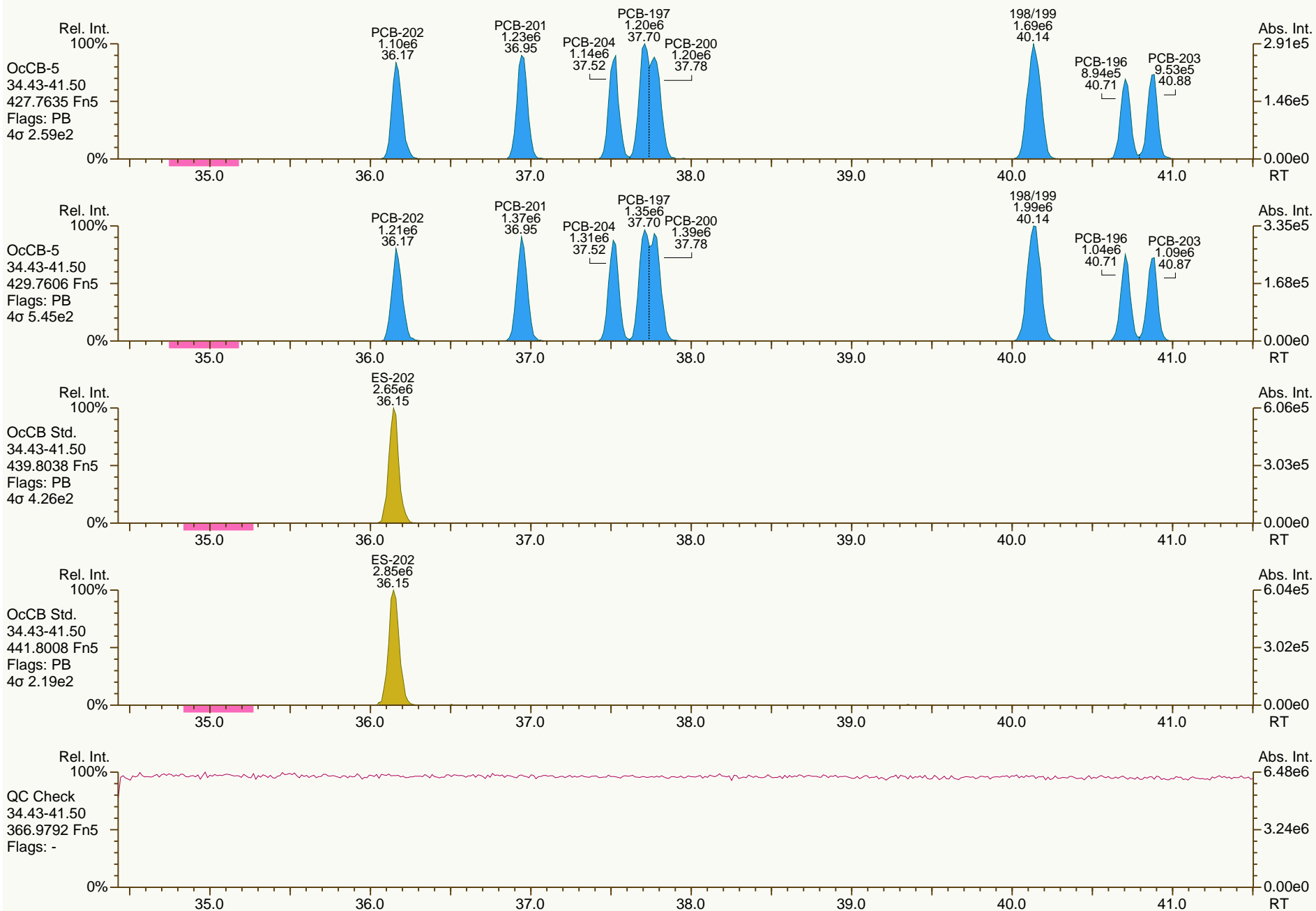
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AP Lab ID: CS3_120629_PCB_SB
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Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 29-Jun-2012 12:43:15
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
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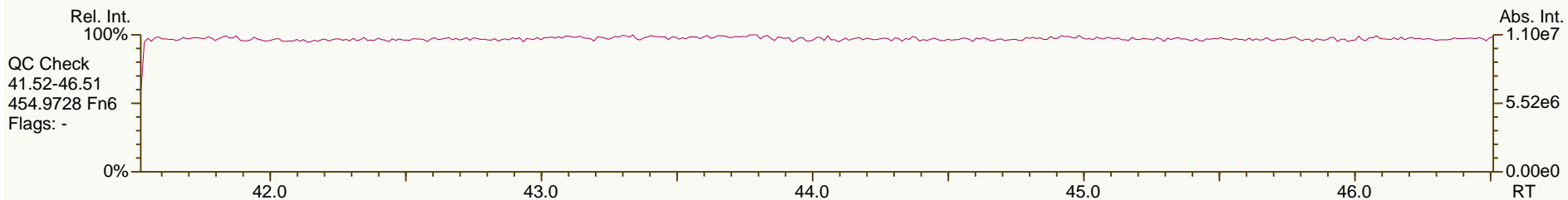
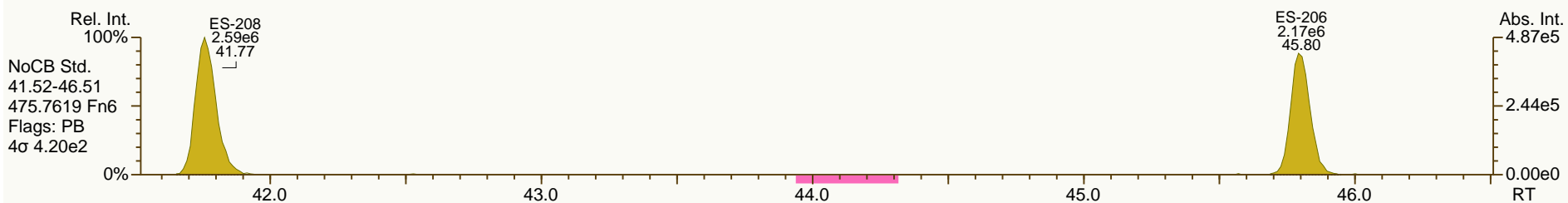
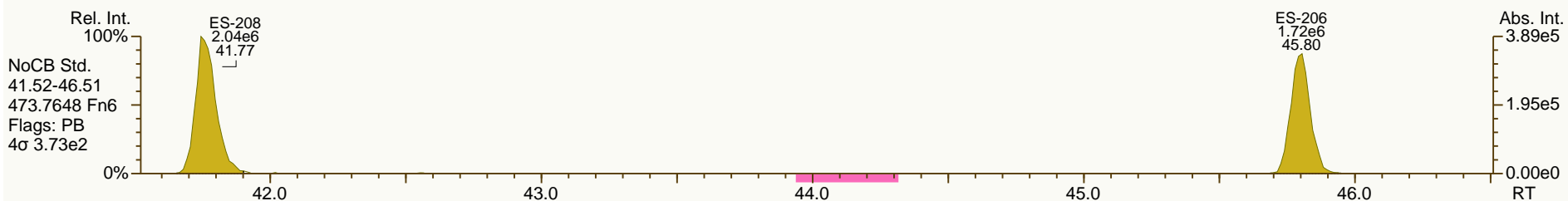
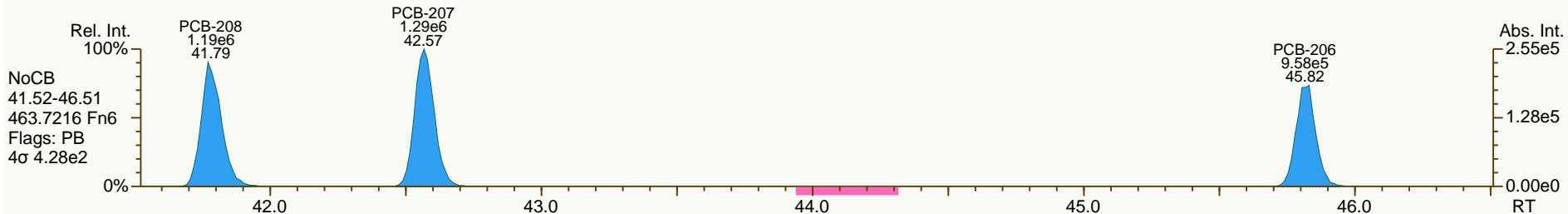
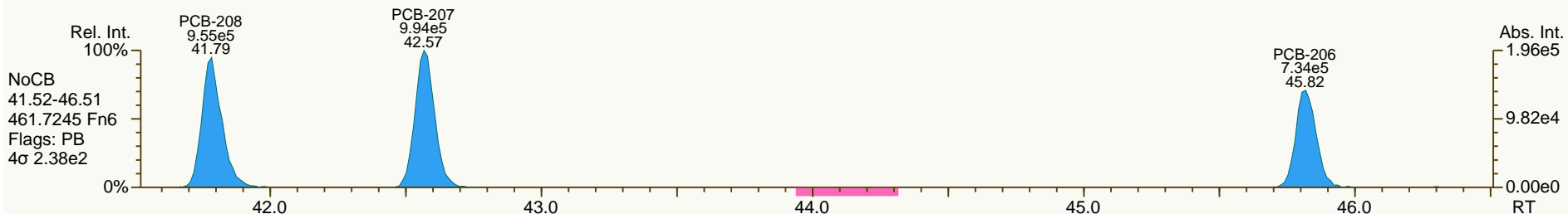
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AP Lab ID: CS3_120629_PCB_SB
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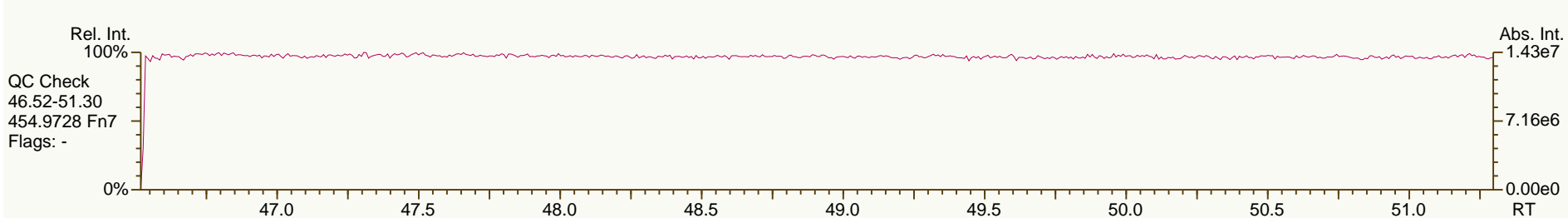
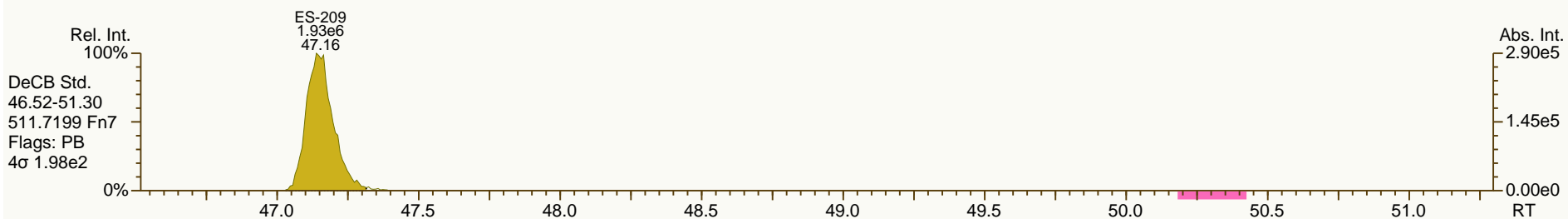
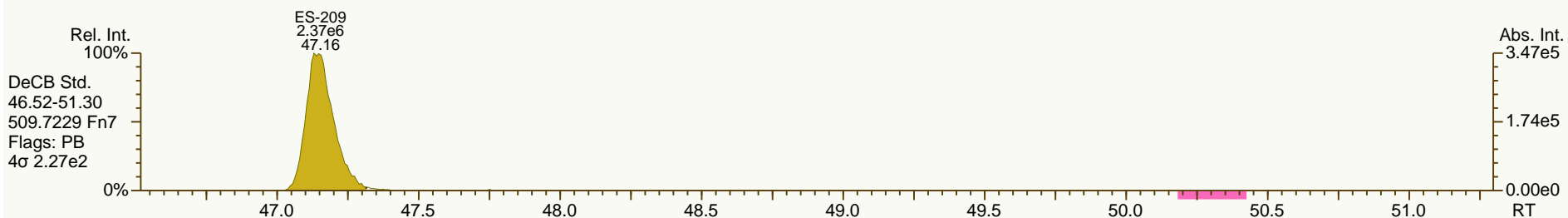
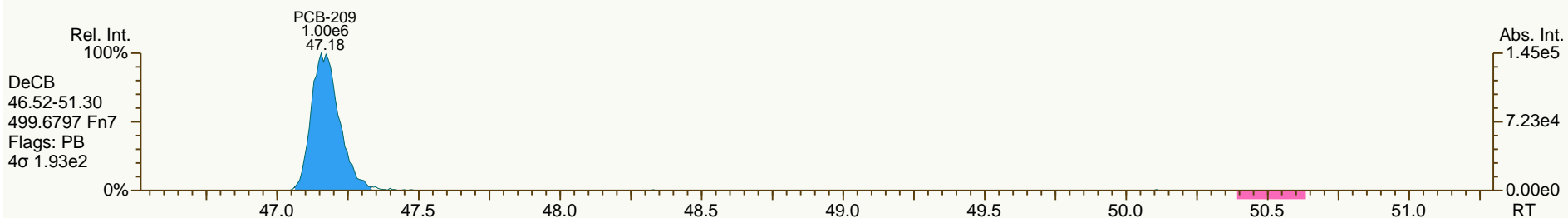
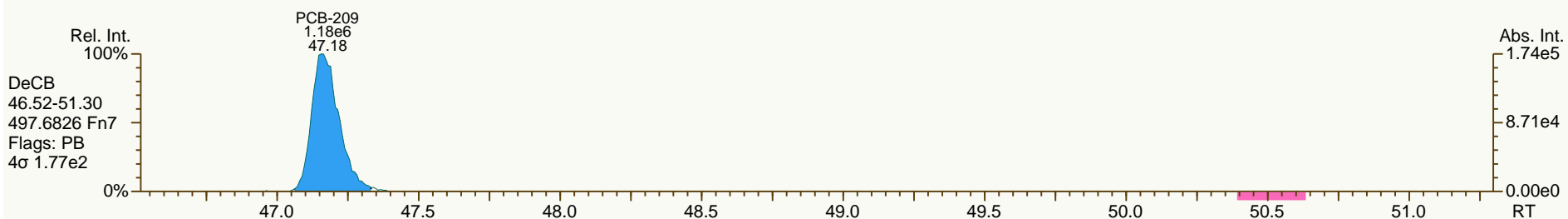
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AP Lab ID: CS3_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
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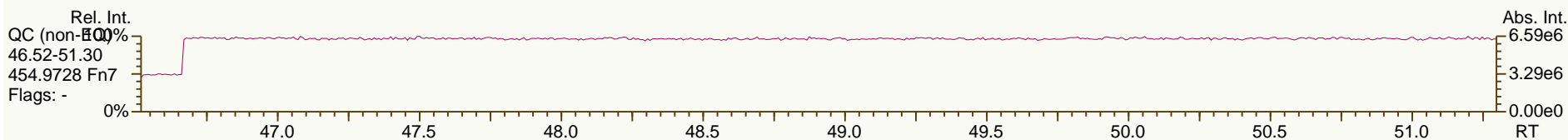
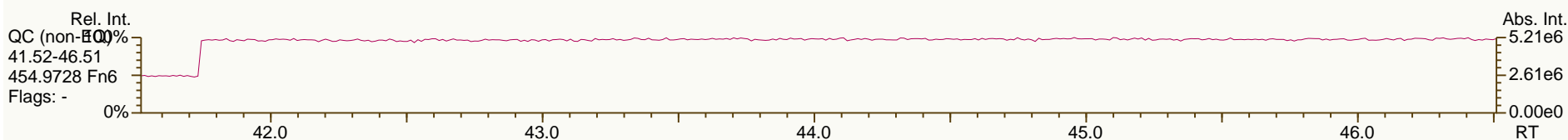
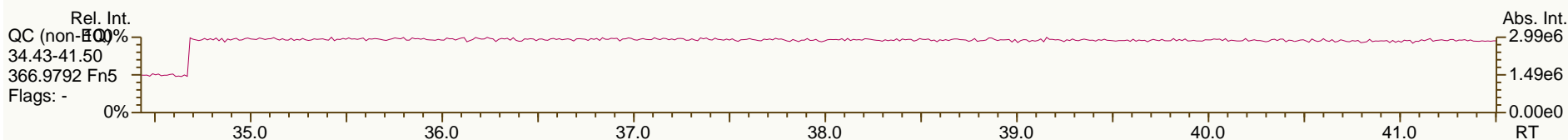
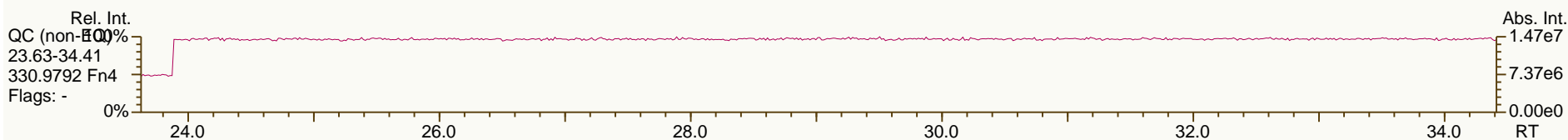
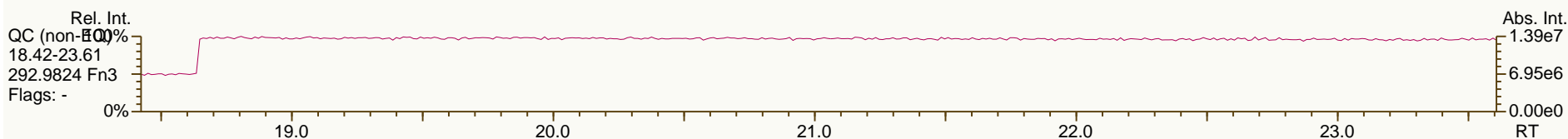
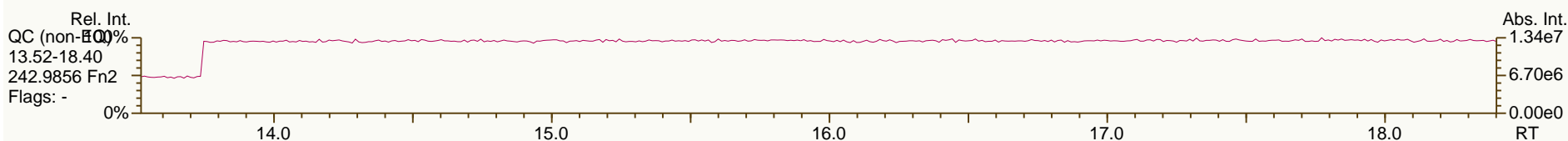
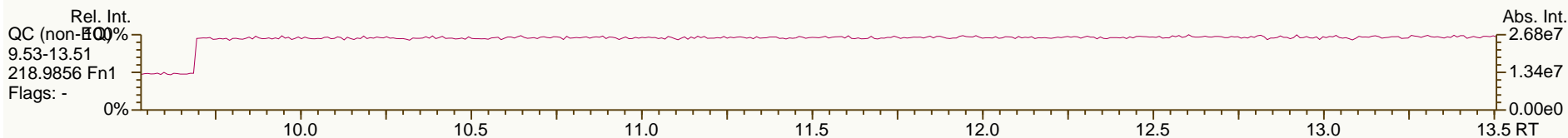
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AP Lab ID: CS3_120629_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
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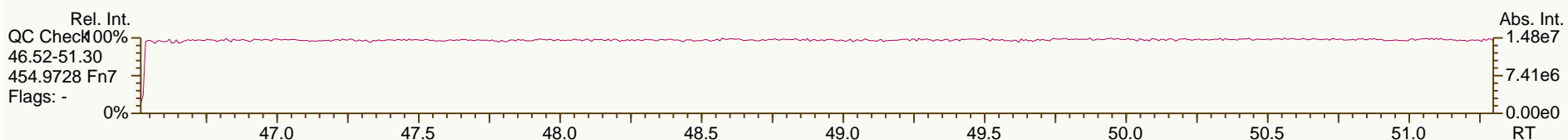
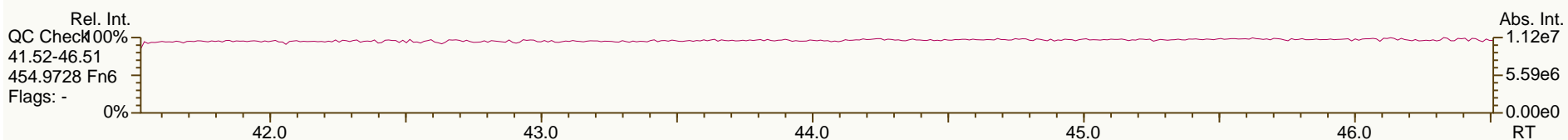
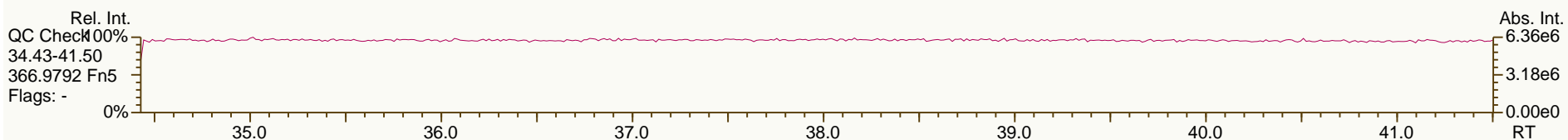
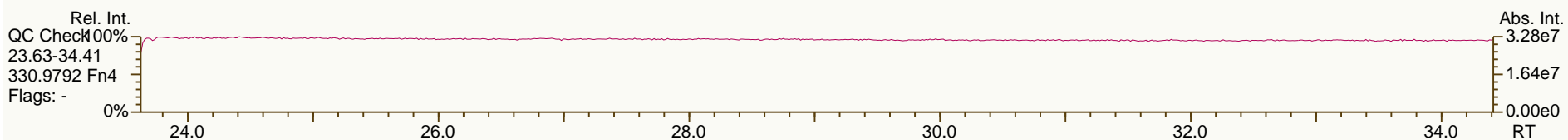
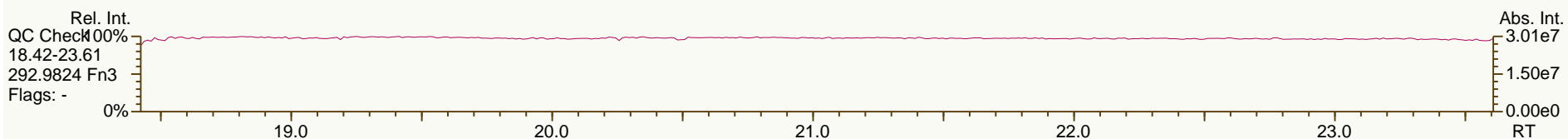
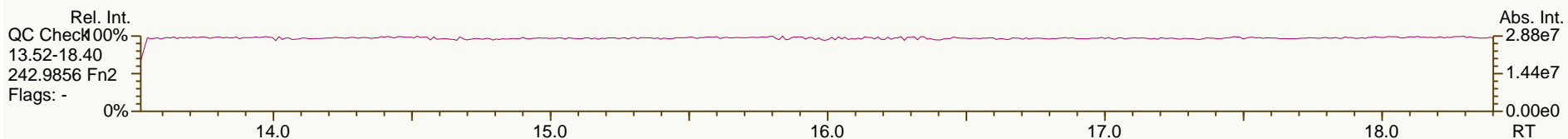
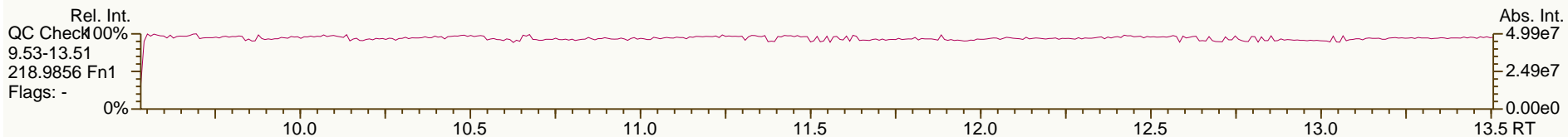
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AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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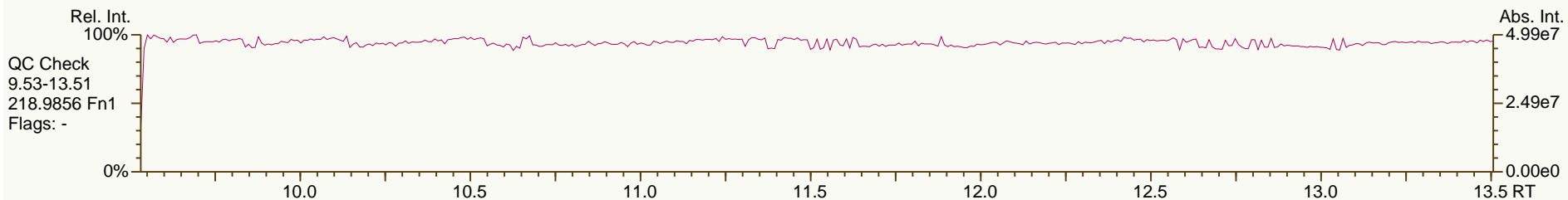
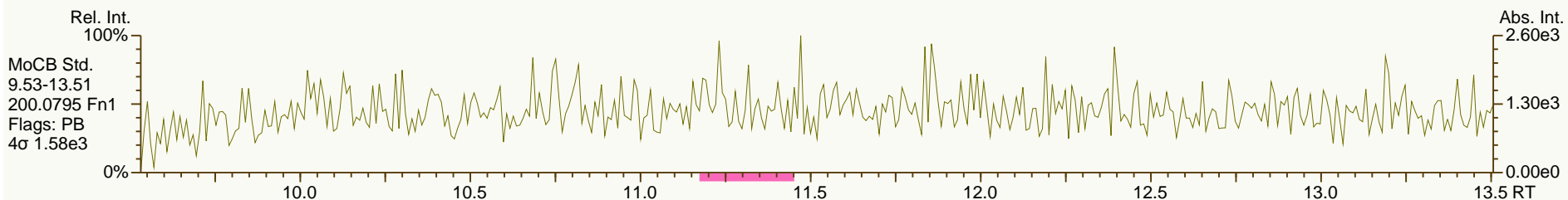
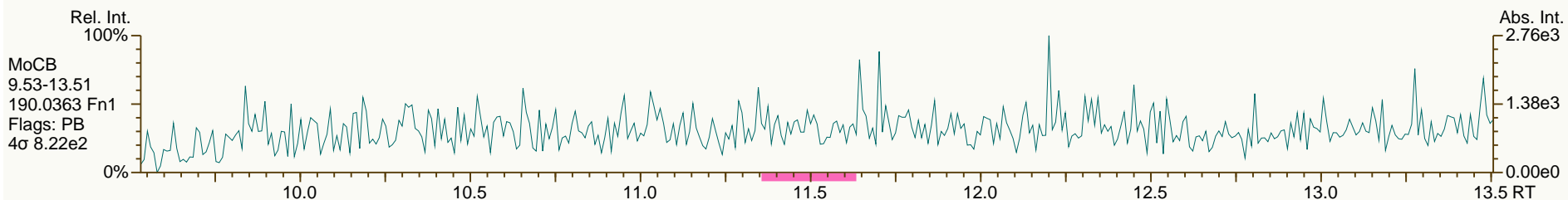
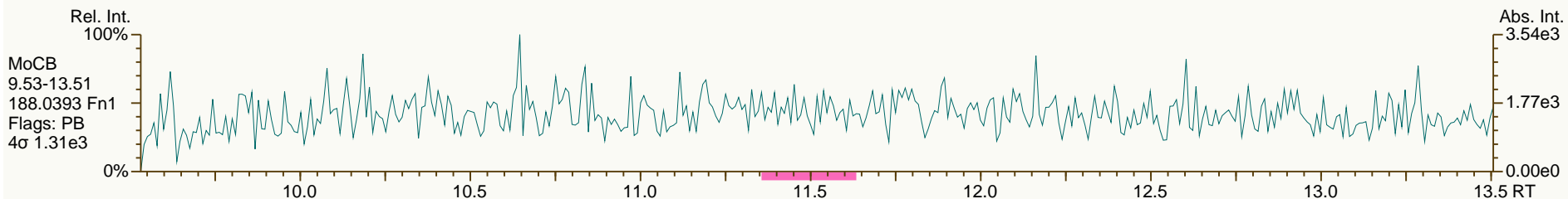
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AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

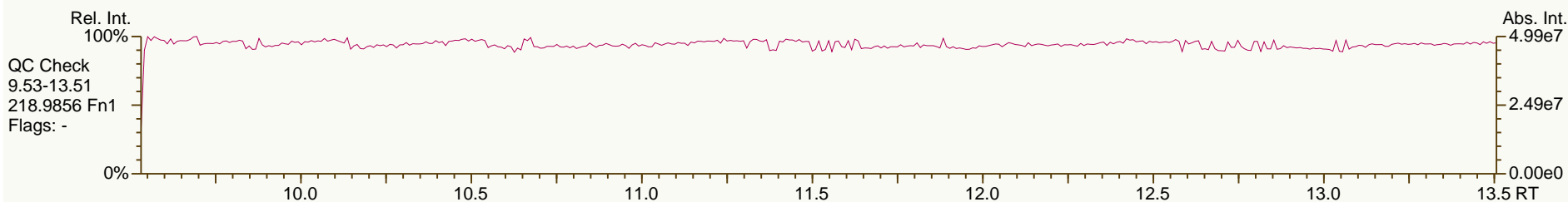
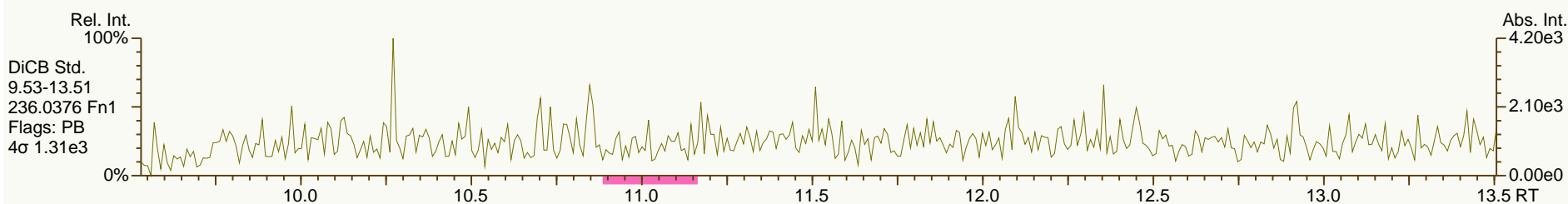
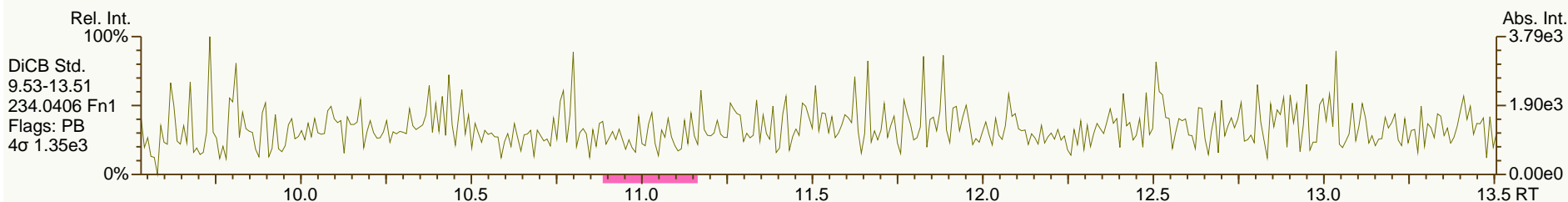
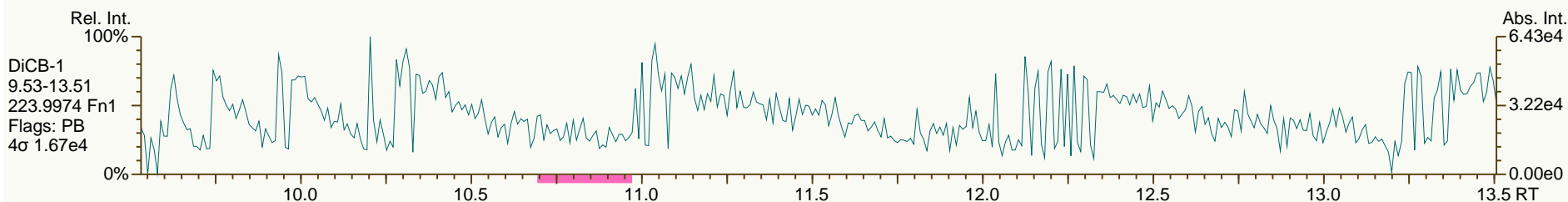
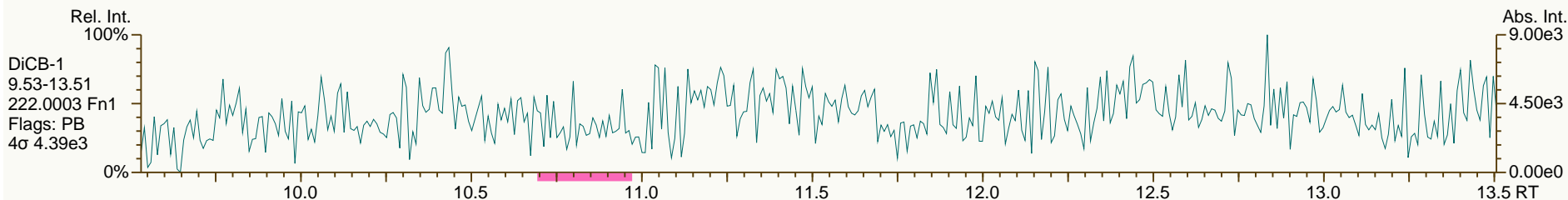
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AP Lab ID: SBS_120629_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

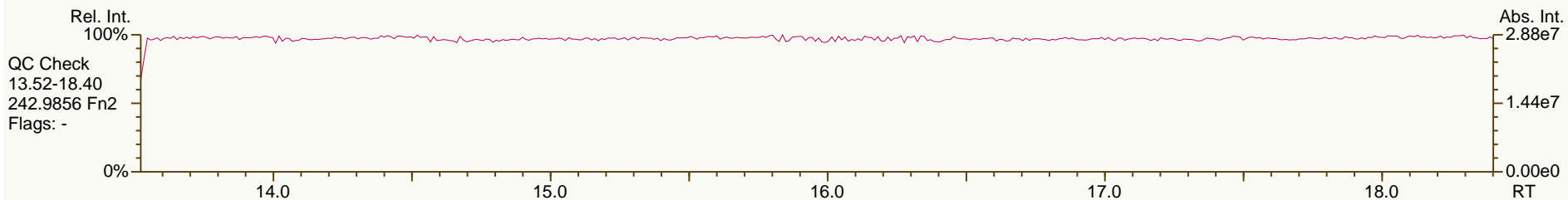
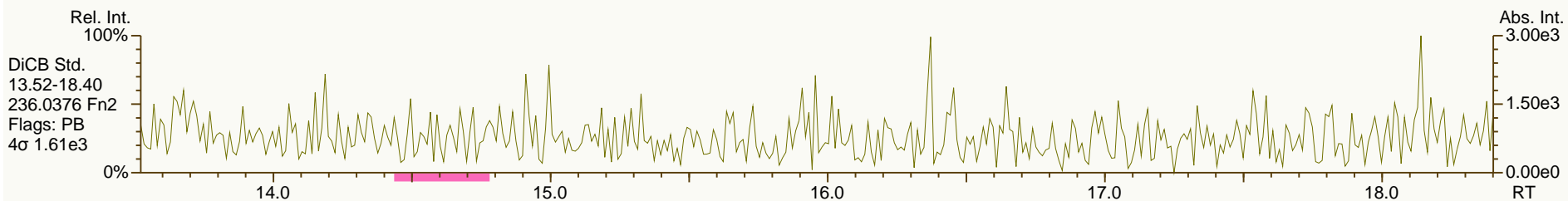
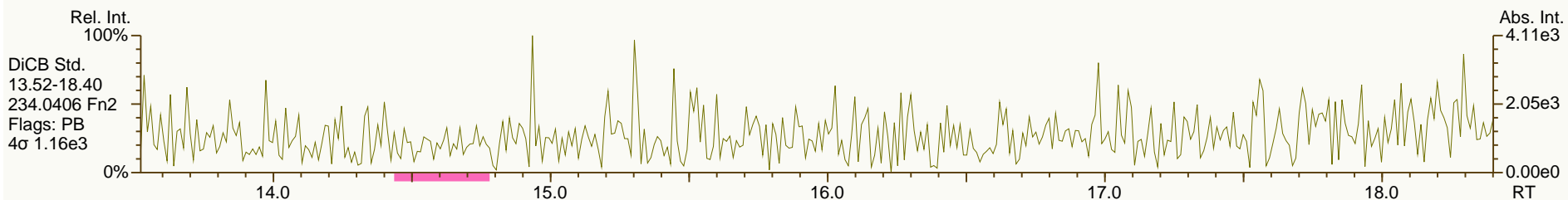
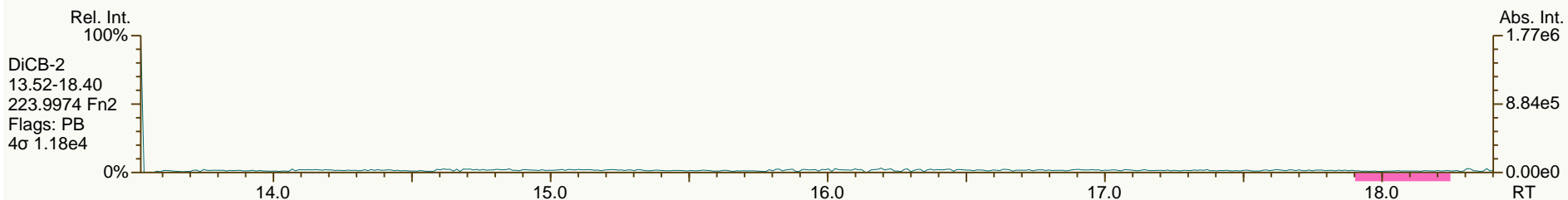
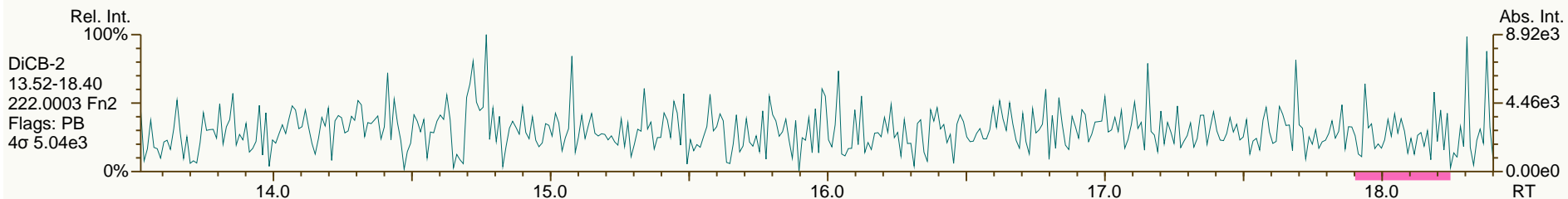
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AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 29-Jun-2012 15:26:17
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AP Lab ID: SBS_120629_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

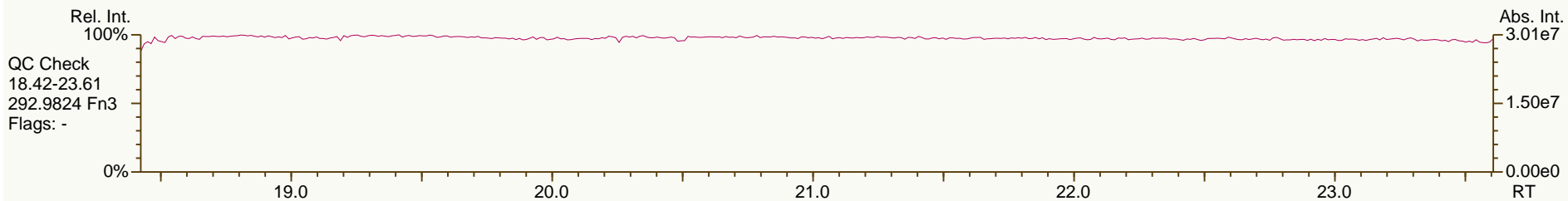
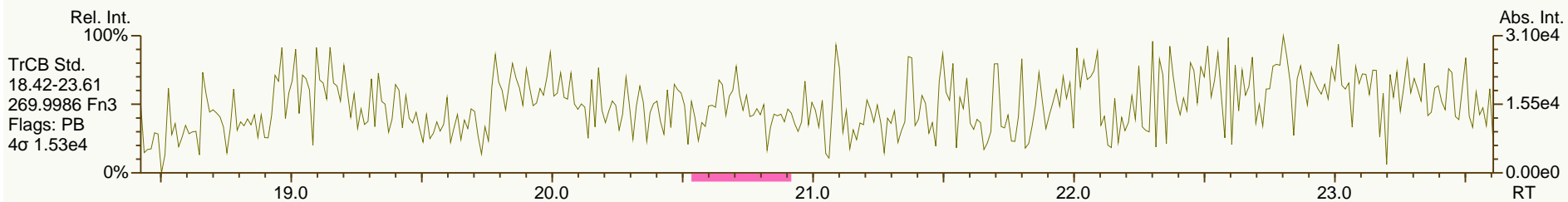
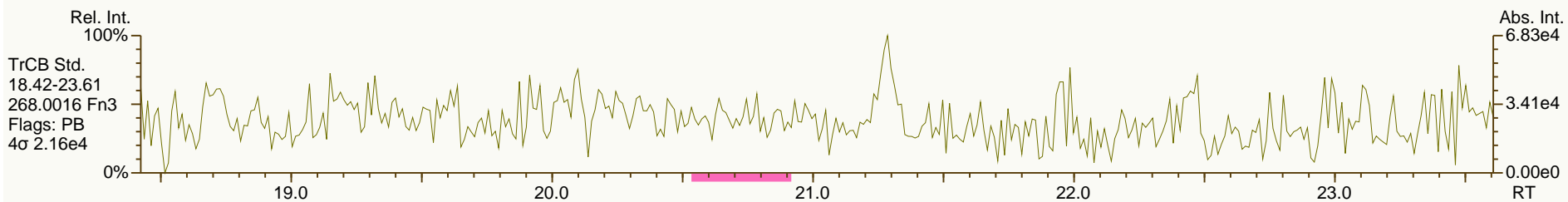
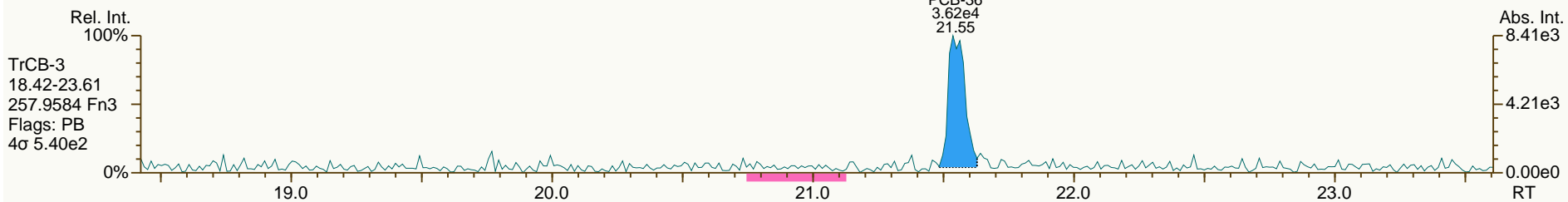
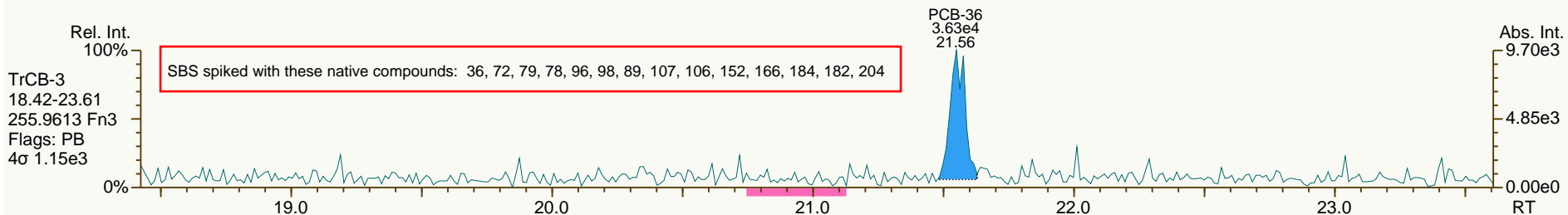
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Sample ID: SIL9-41-1
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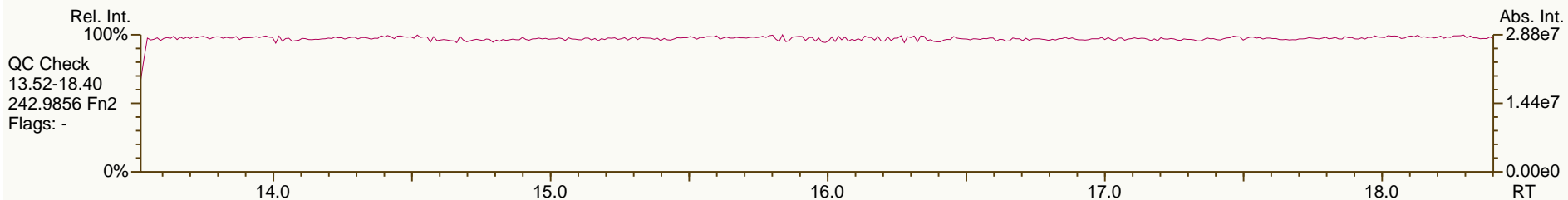
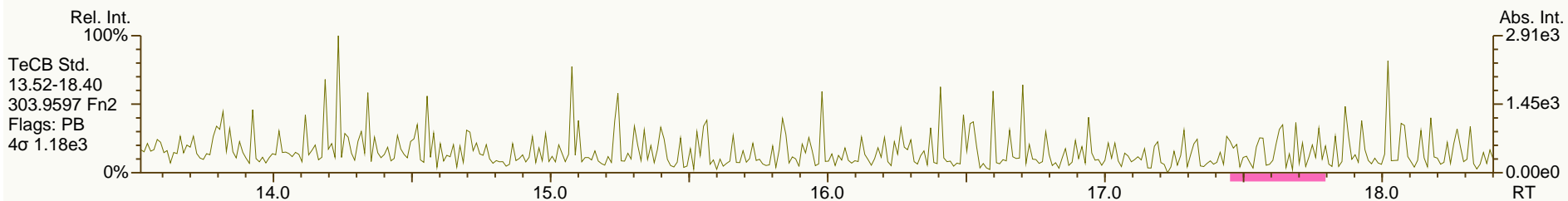
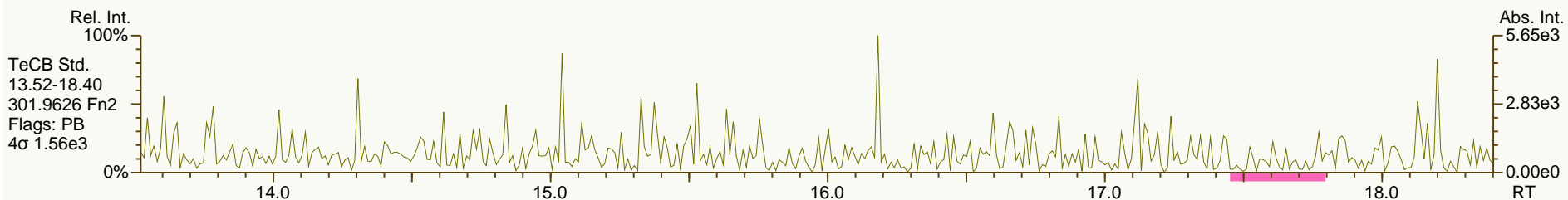
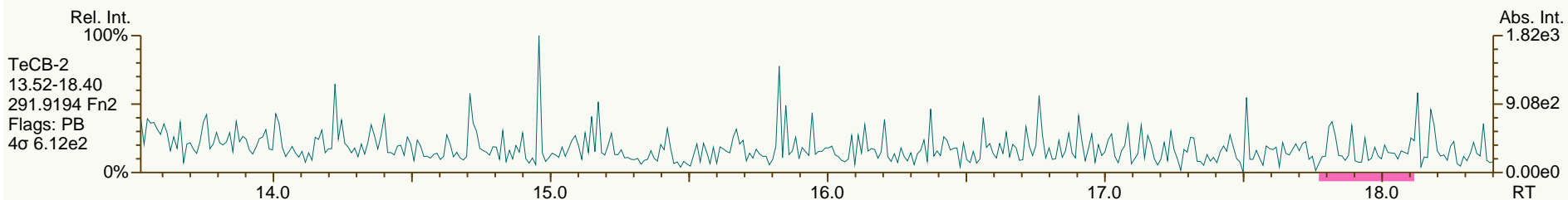
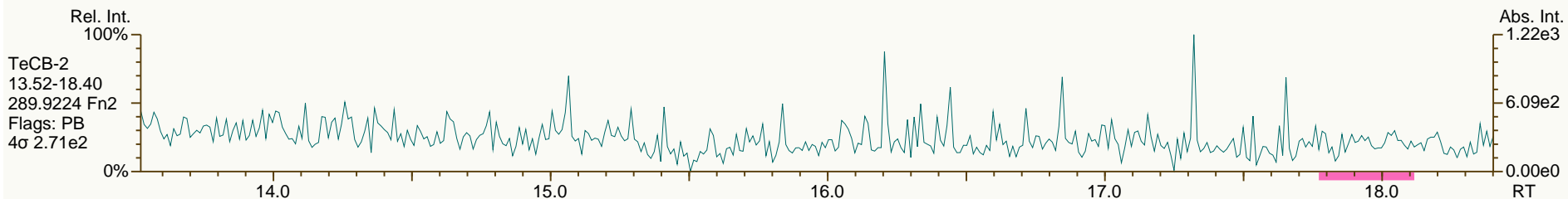
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Sample ID: SIL9-41-1
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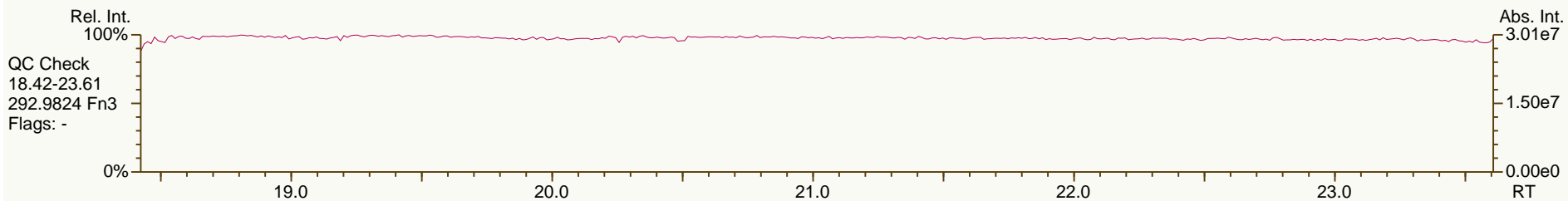
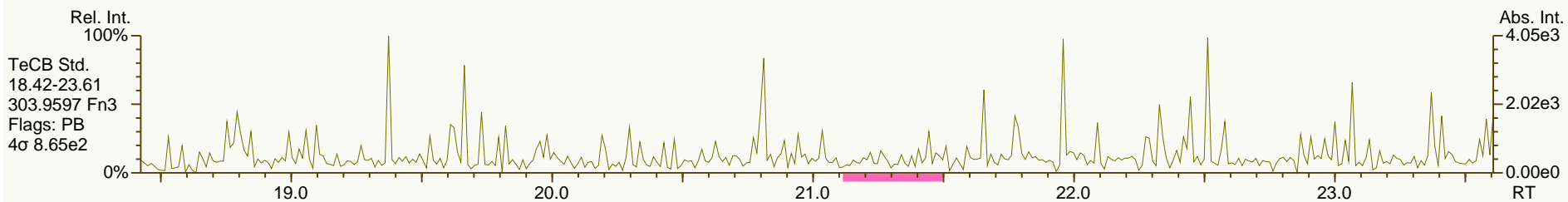
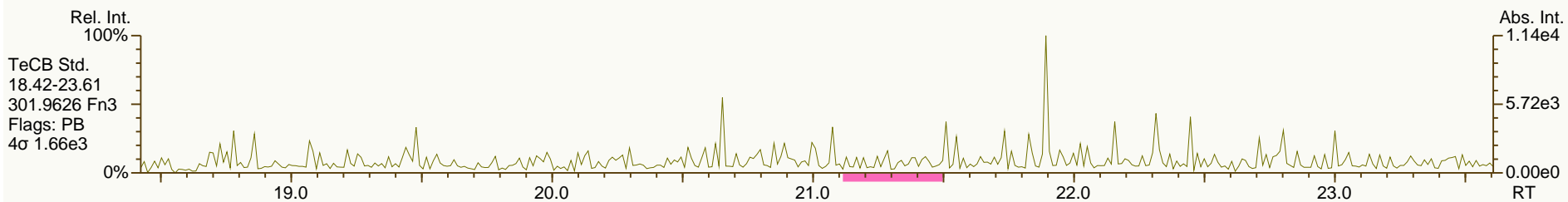
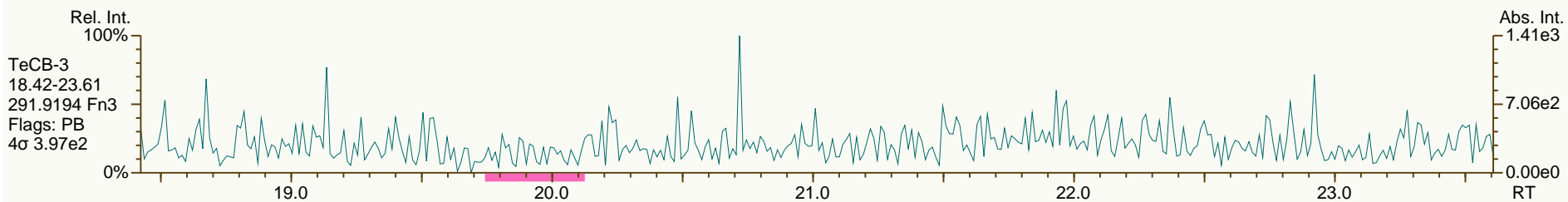
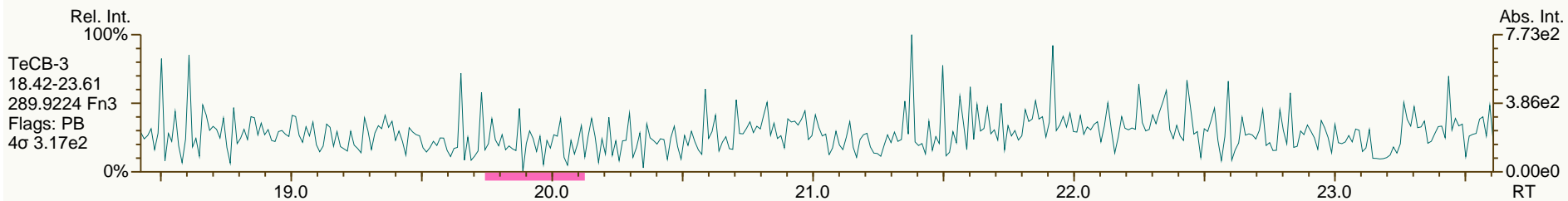
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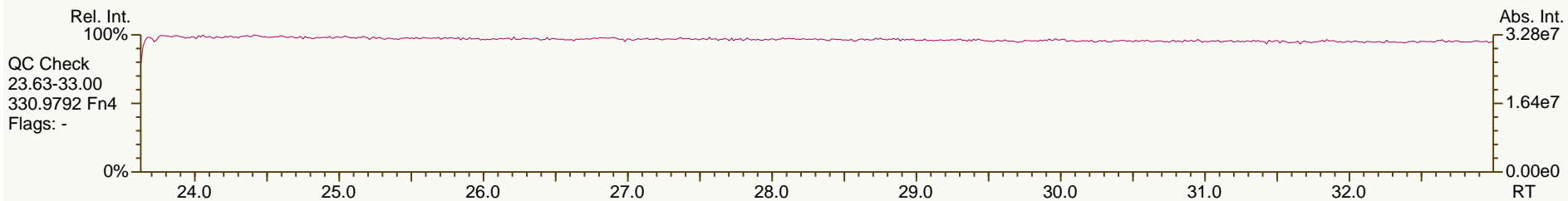
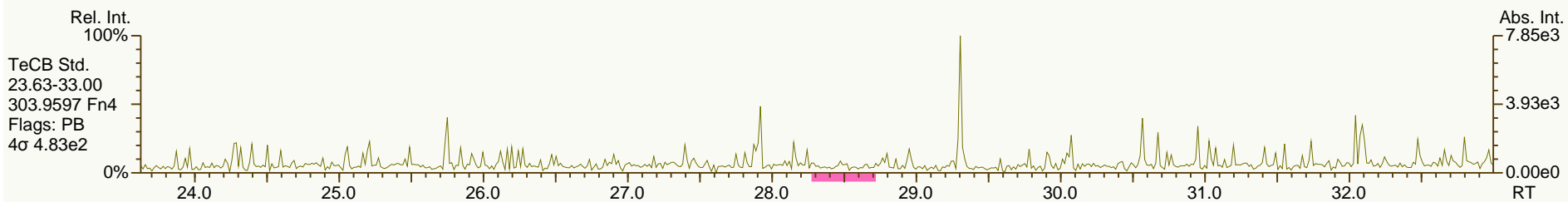
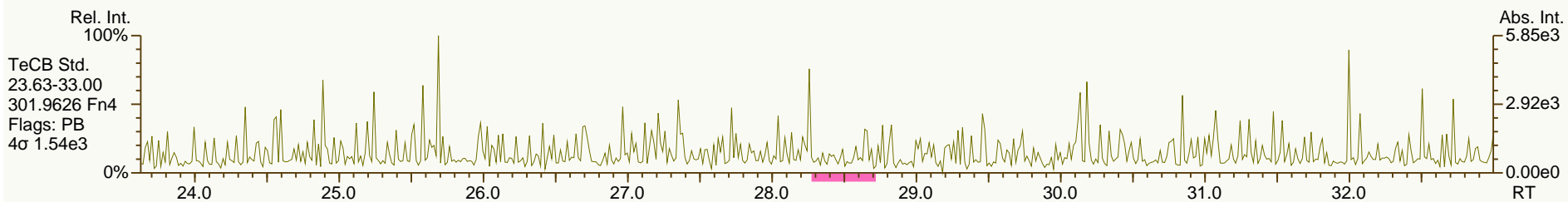
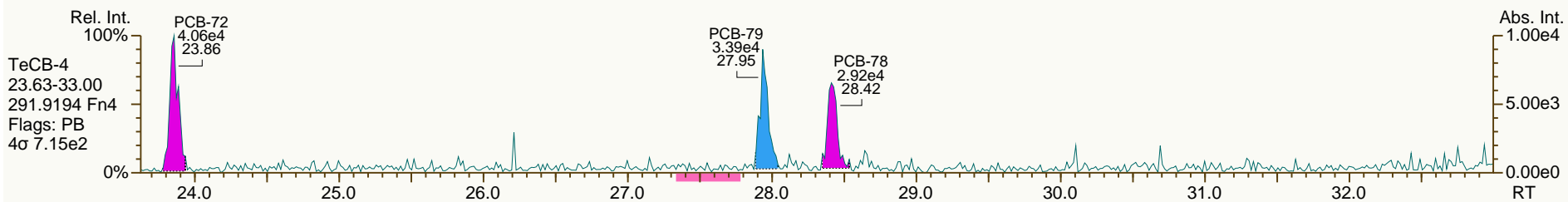
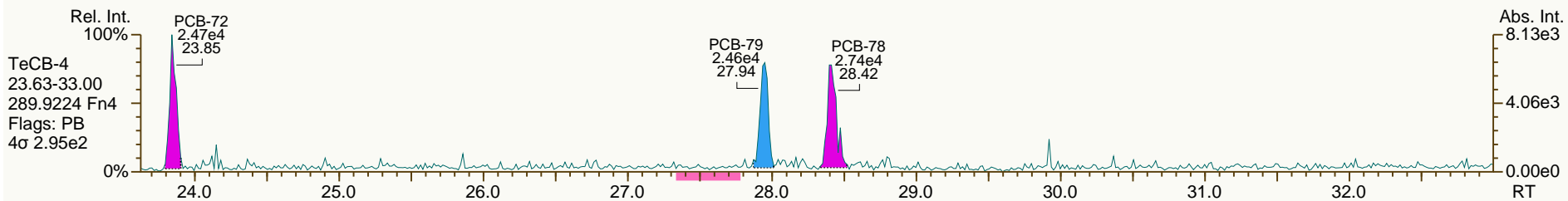
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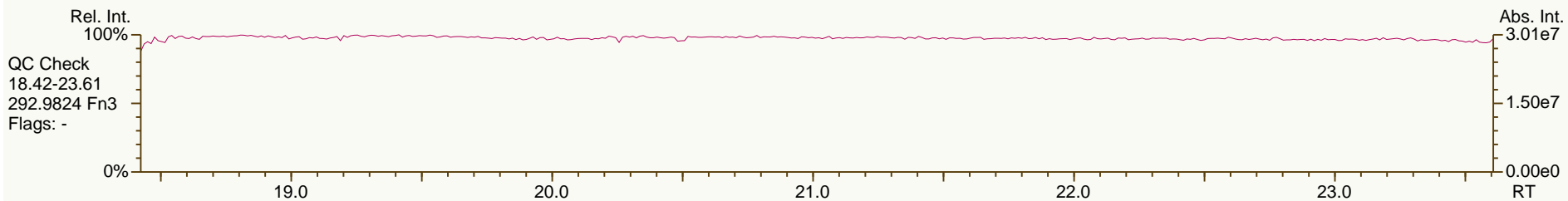
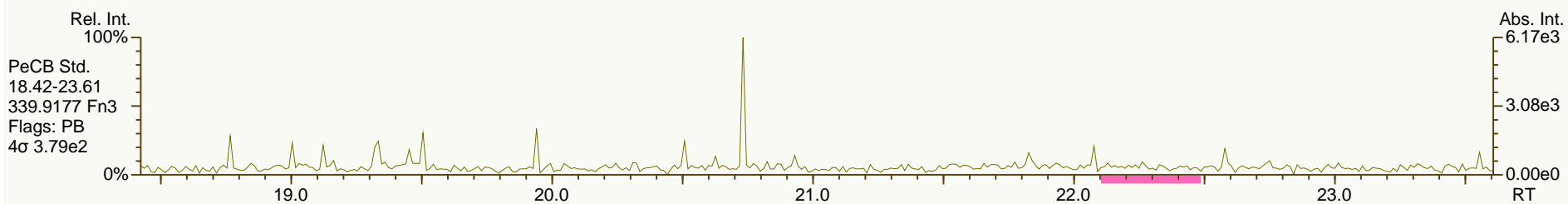
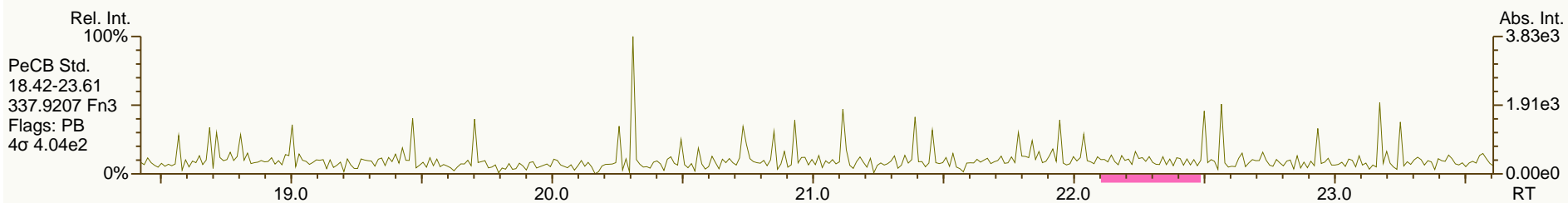
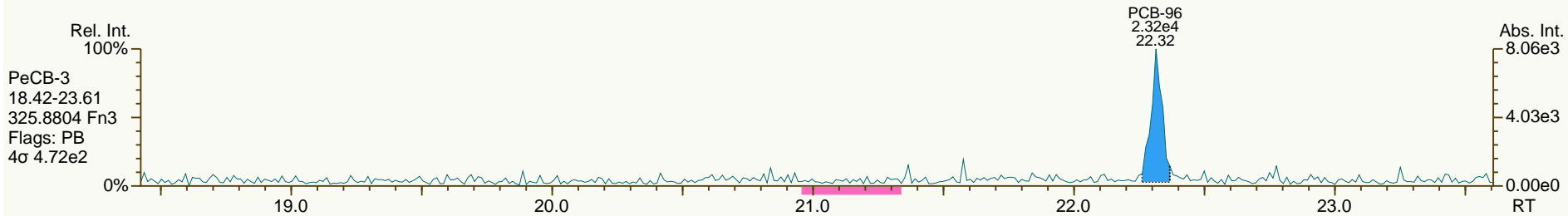
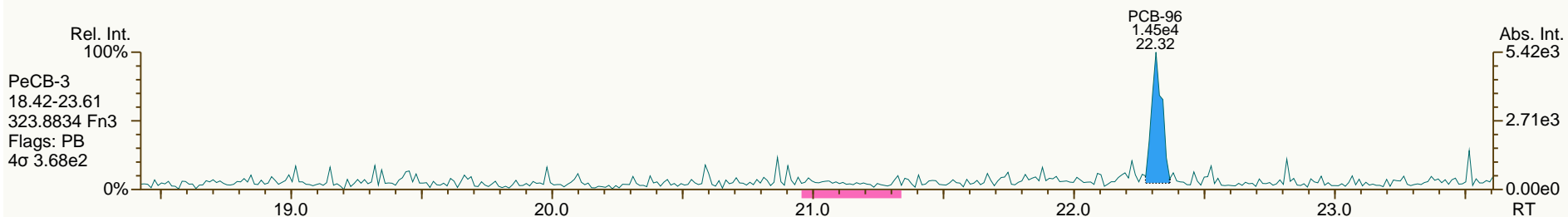
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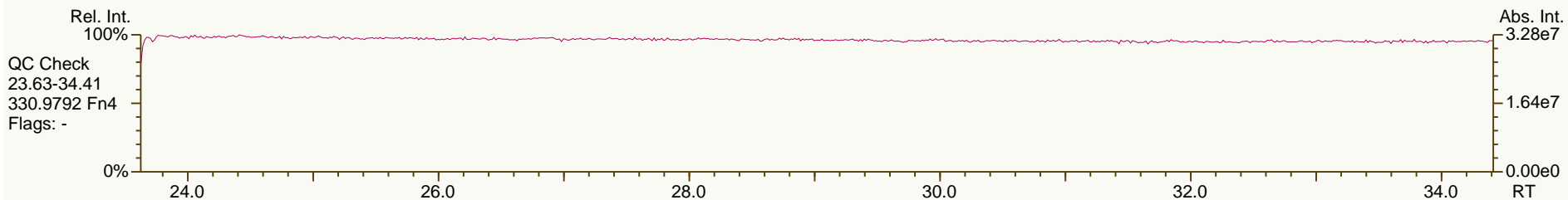
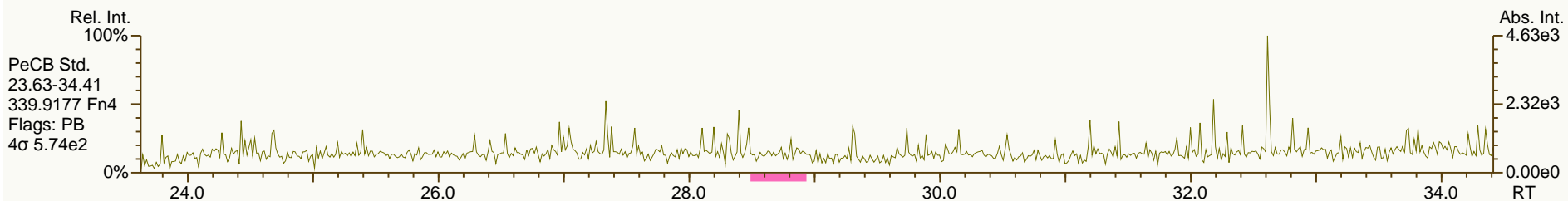
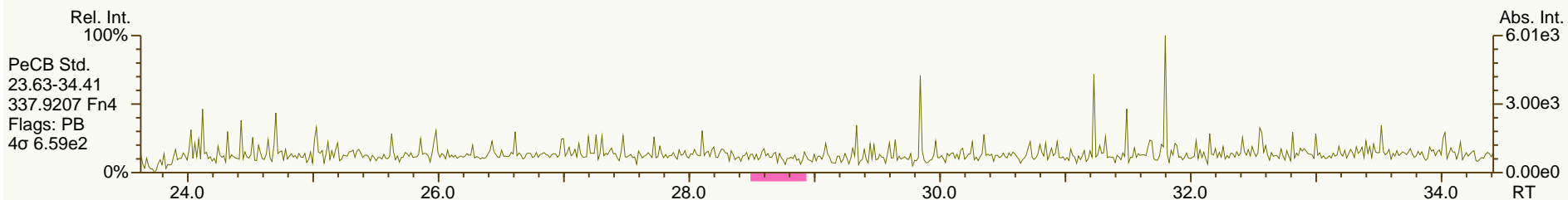
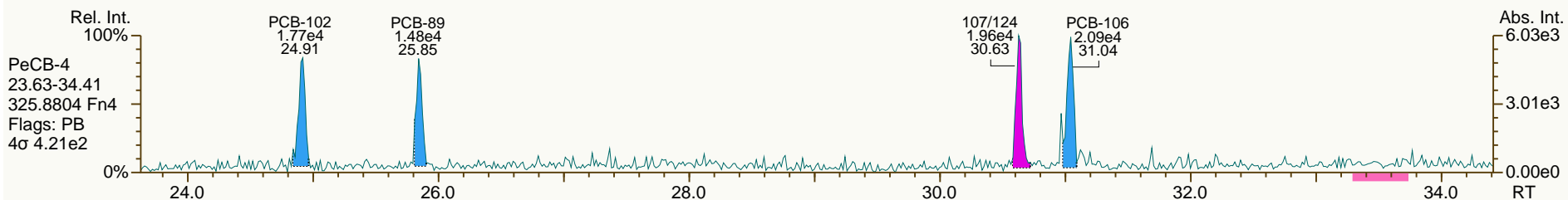
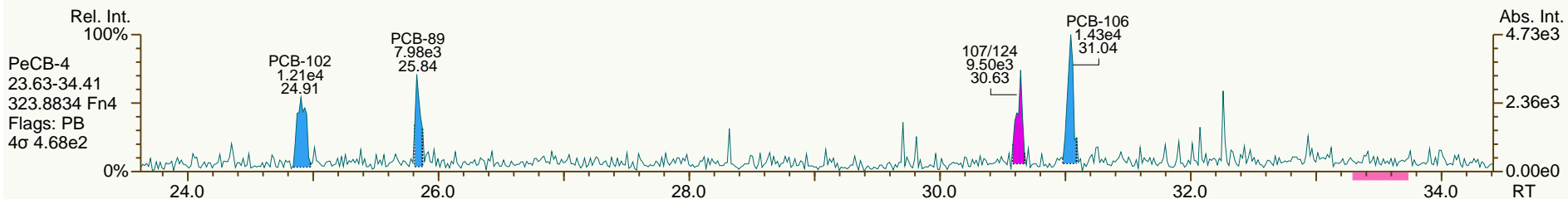
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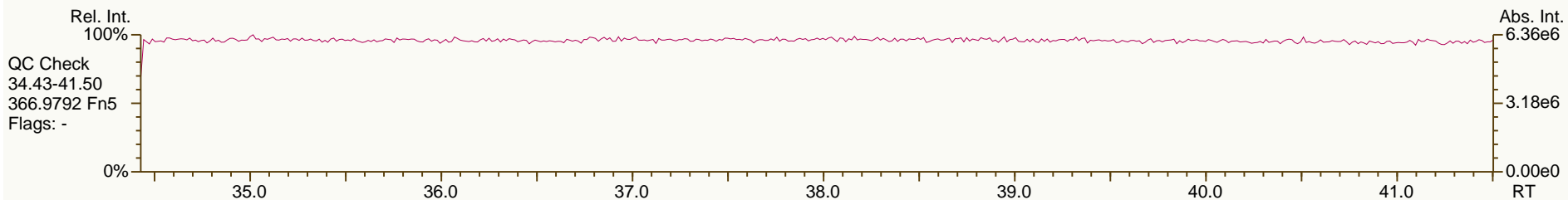
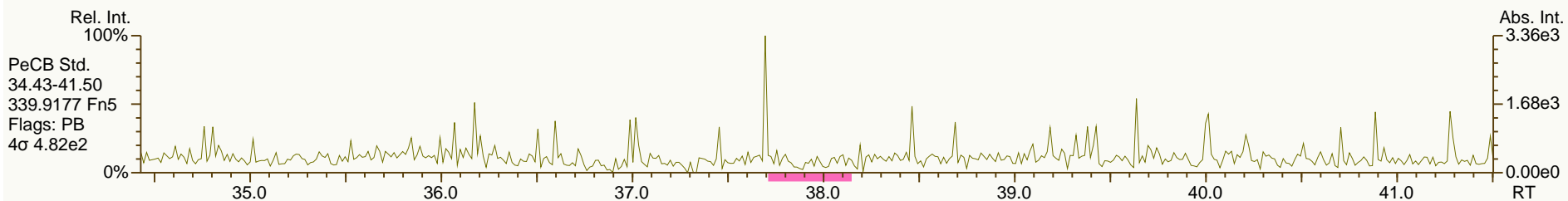
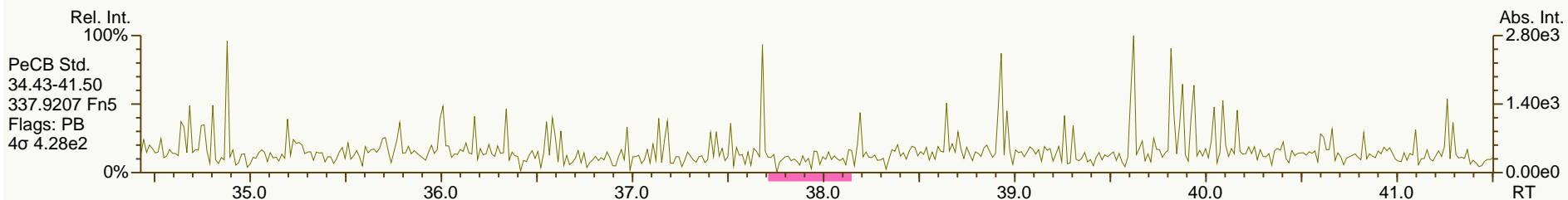
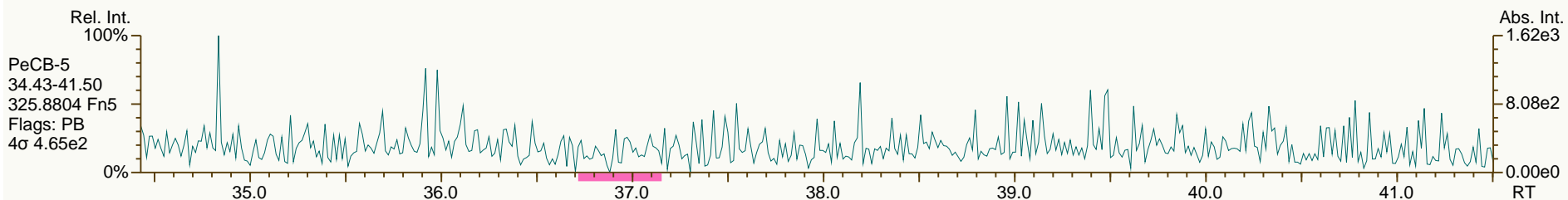
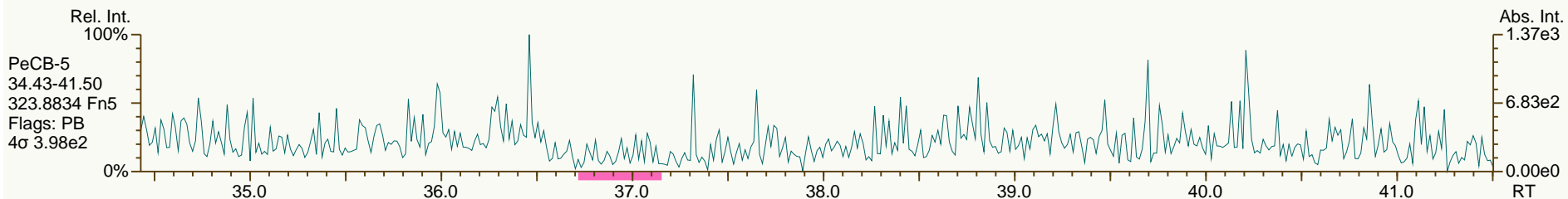
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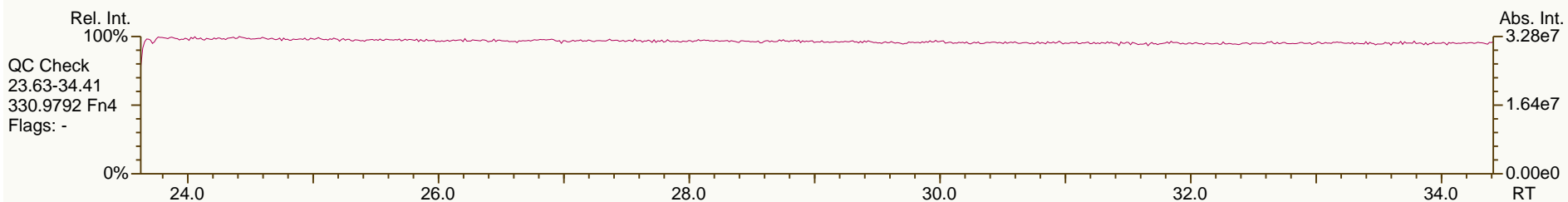
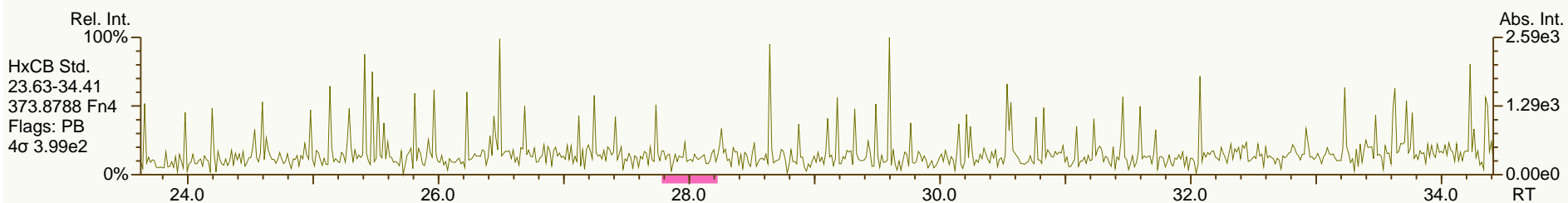
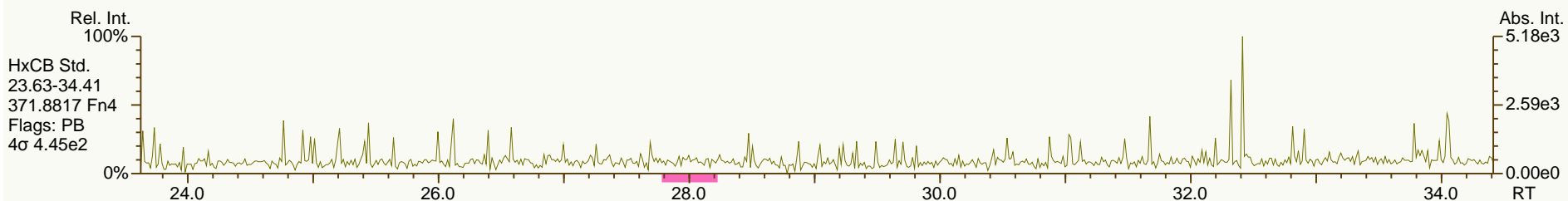
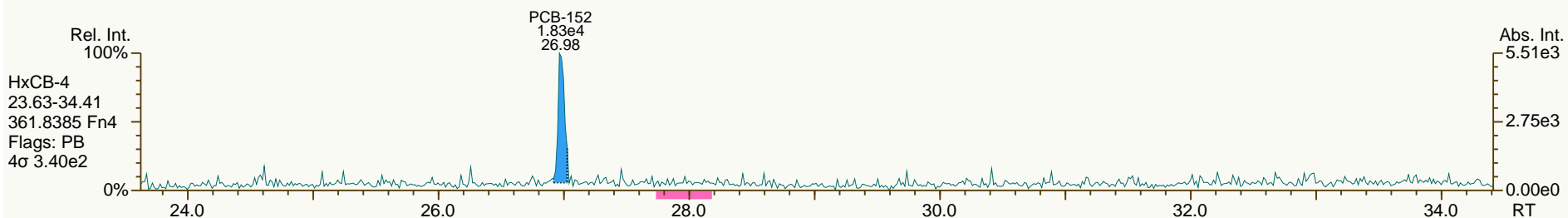
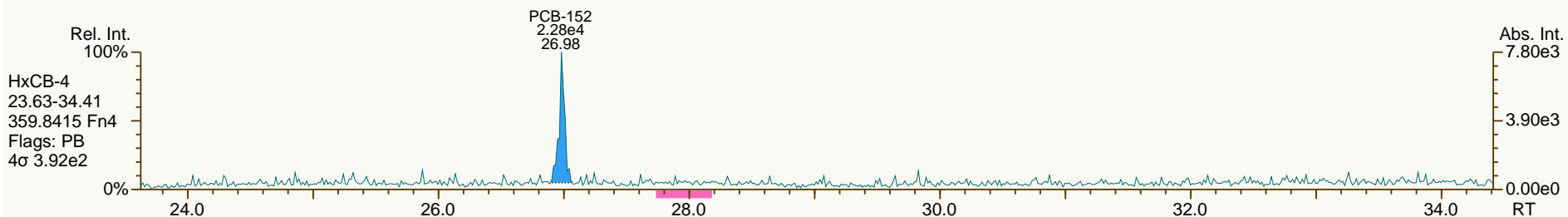
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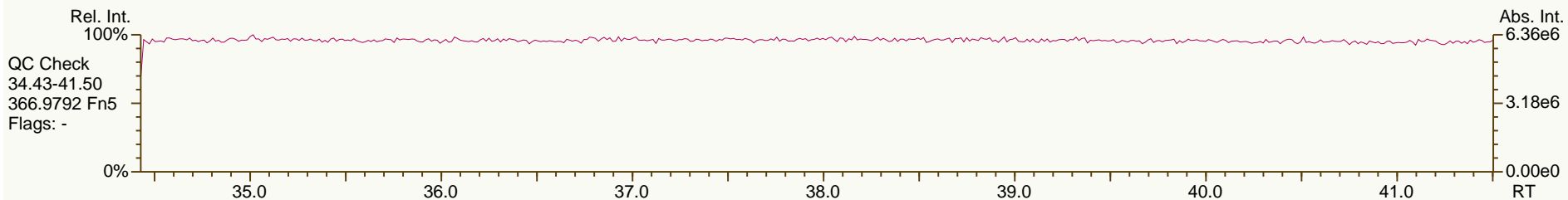
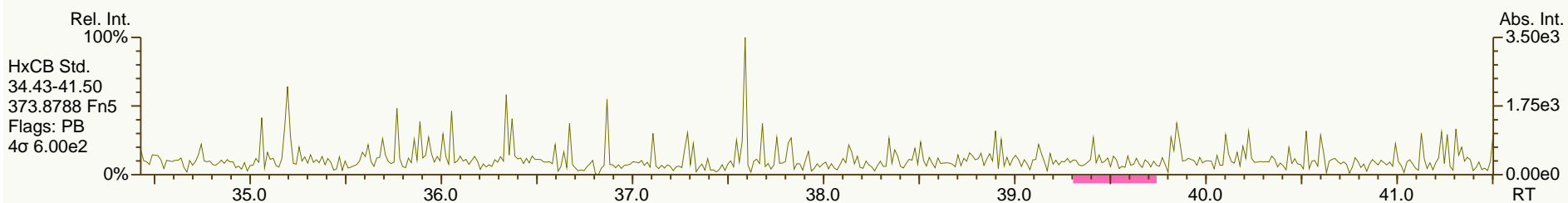
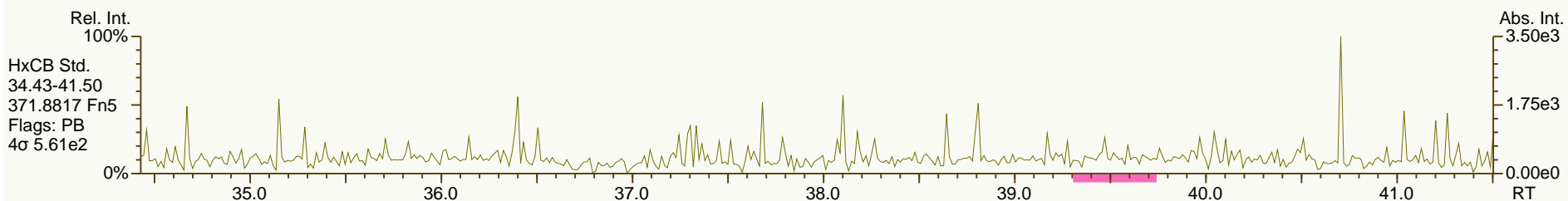
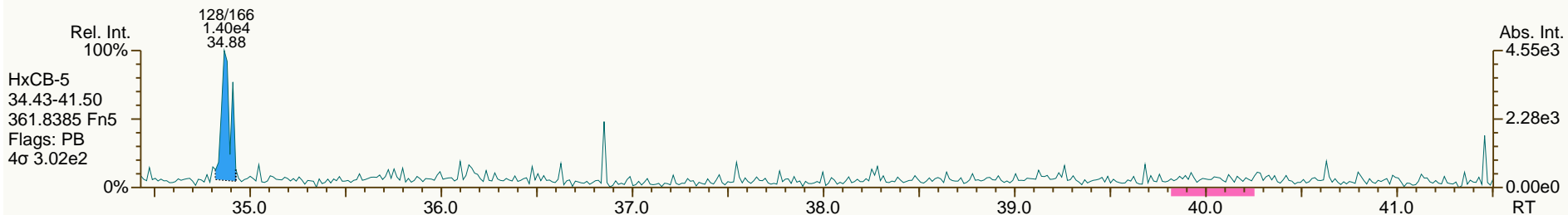
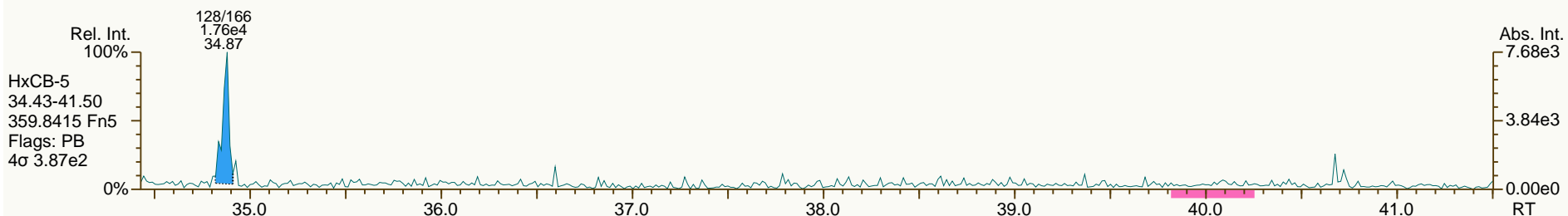
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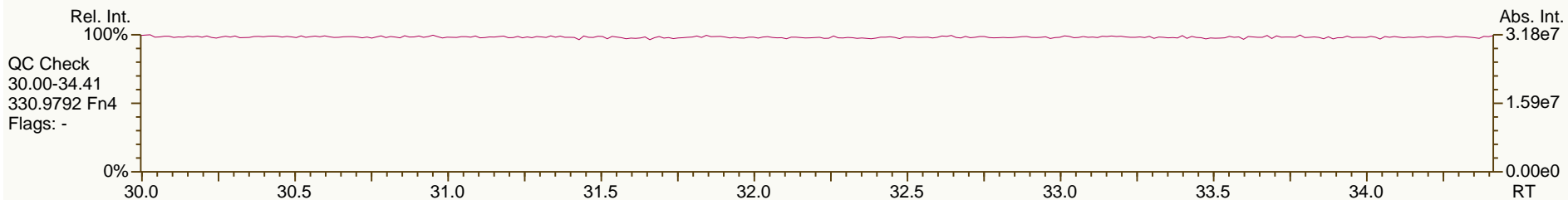
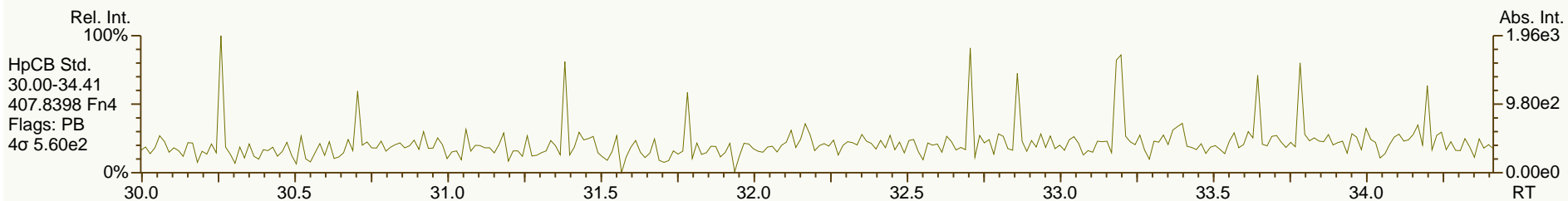
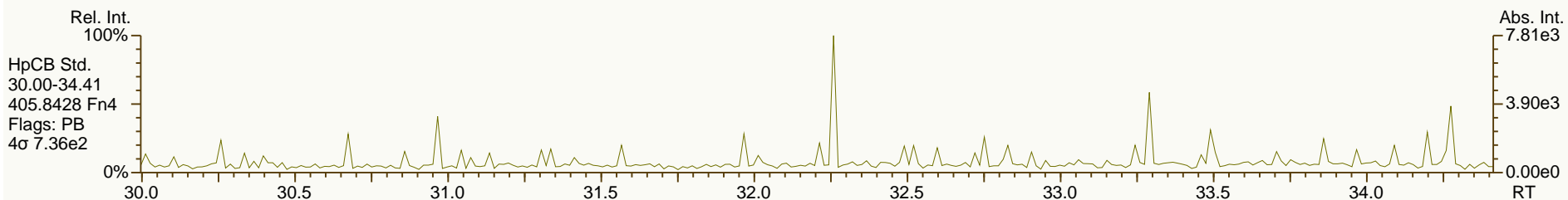
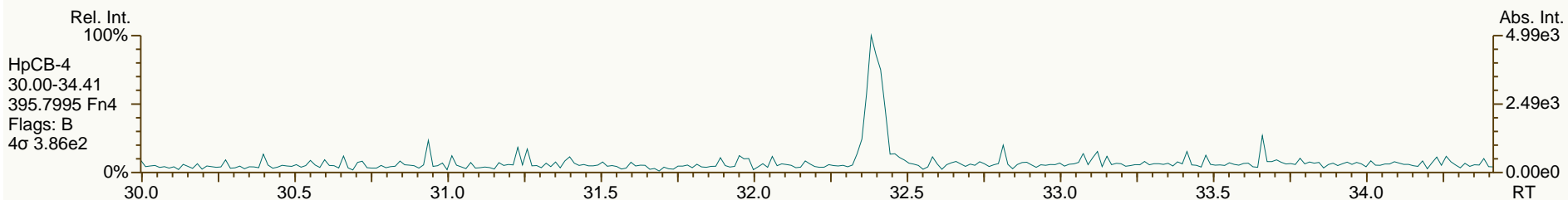
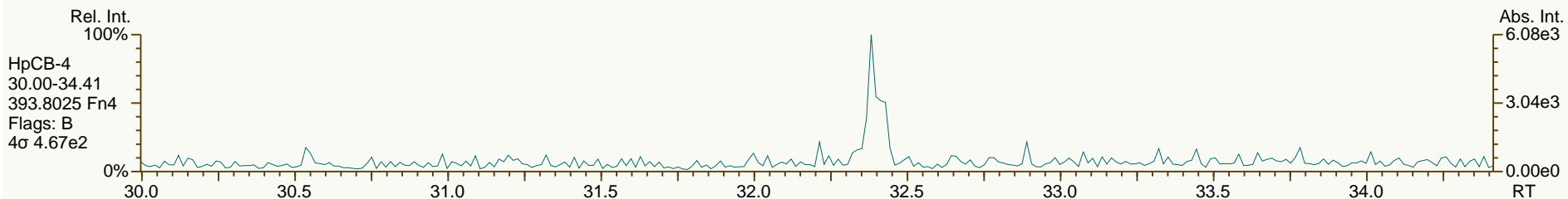
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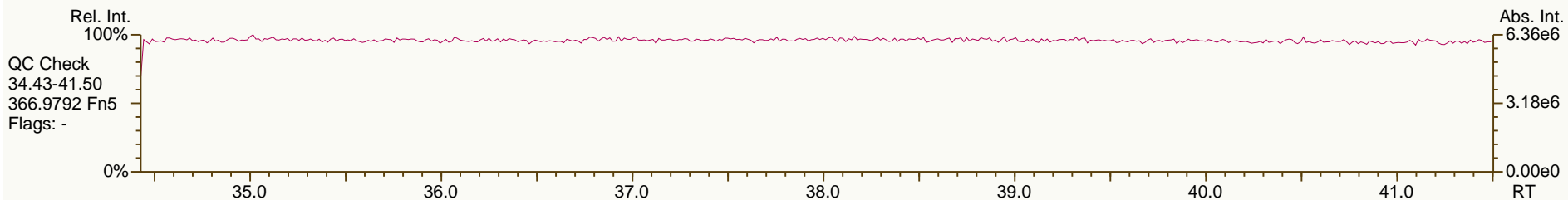
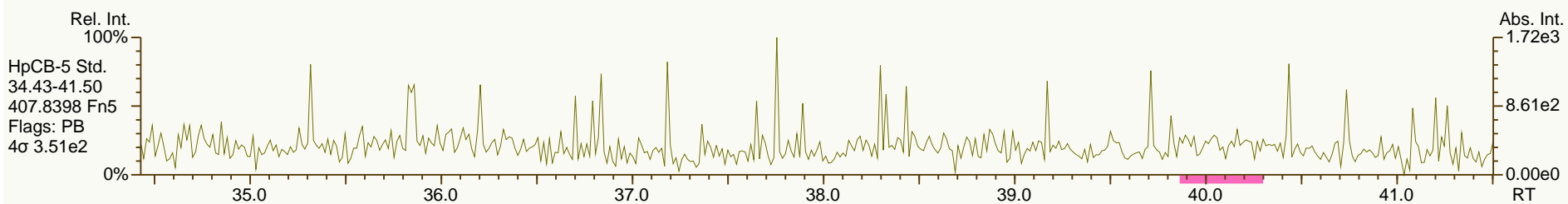
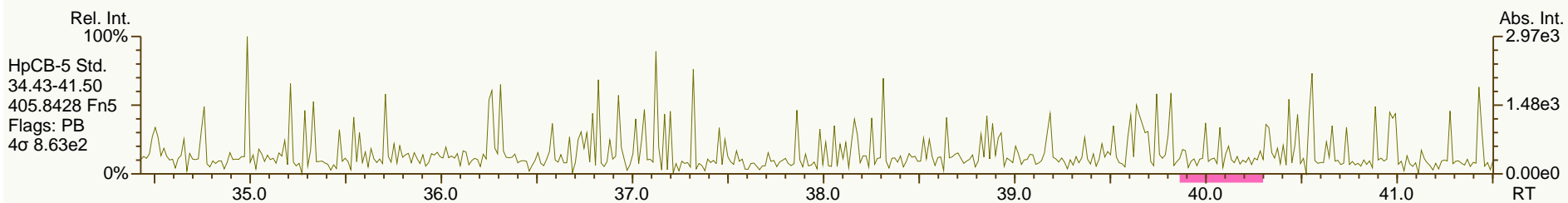
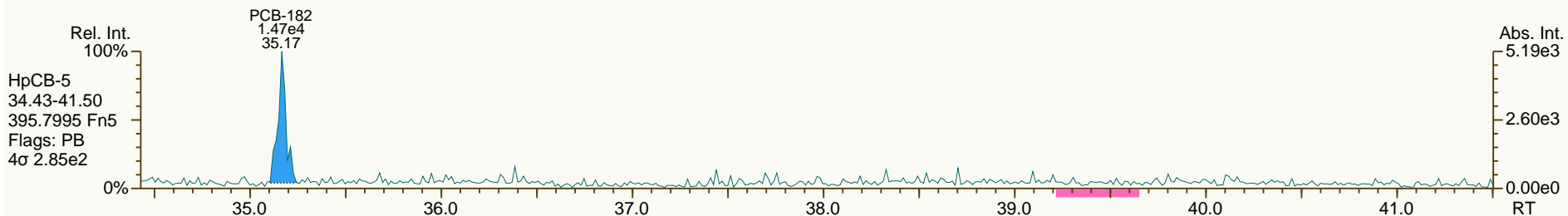
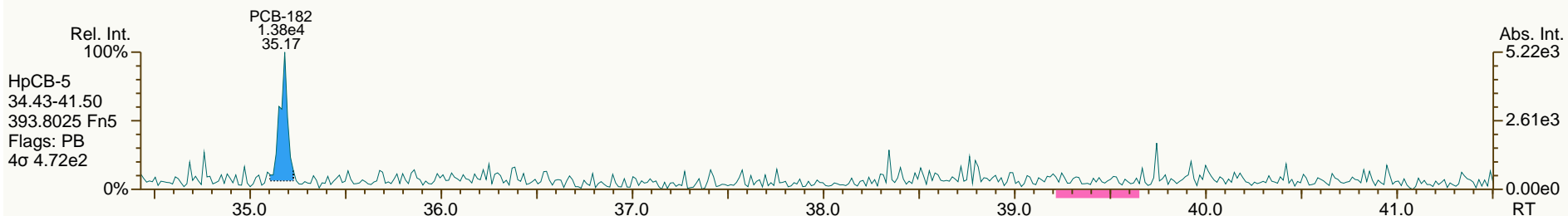
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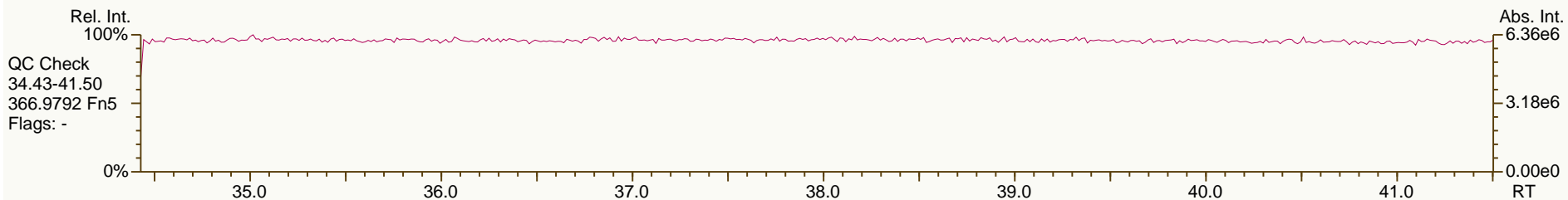
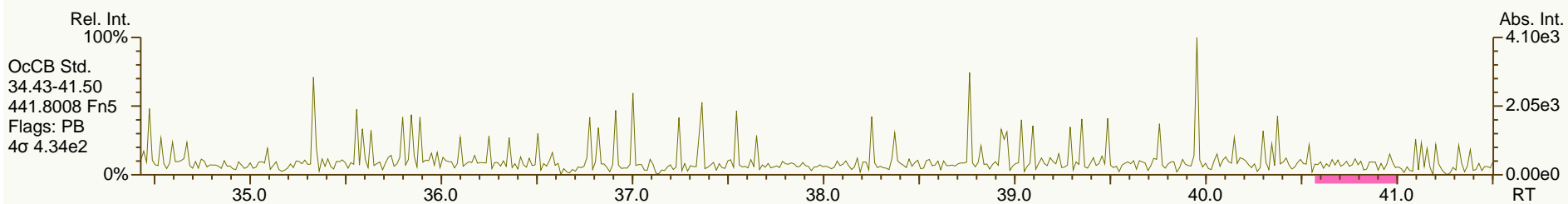
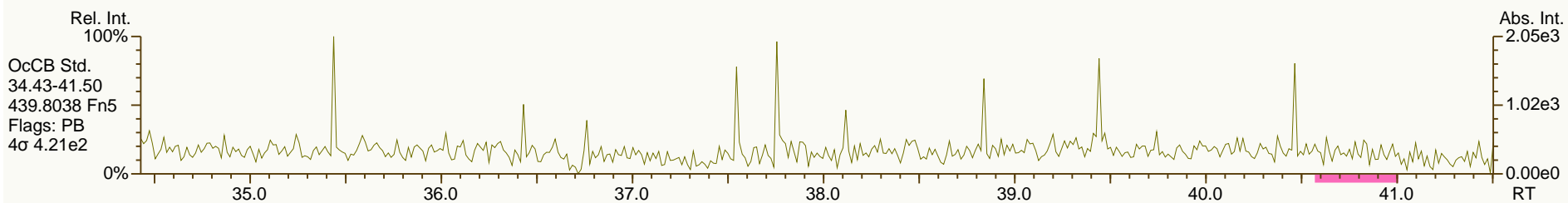
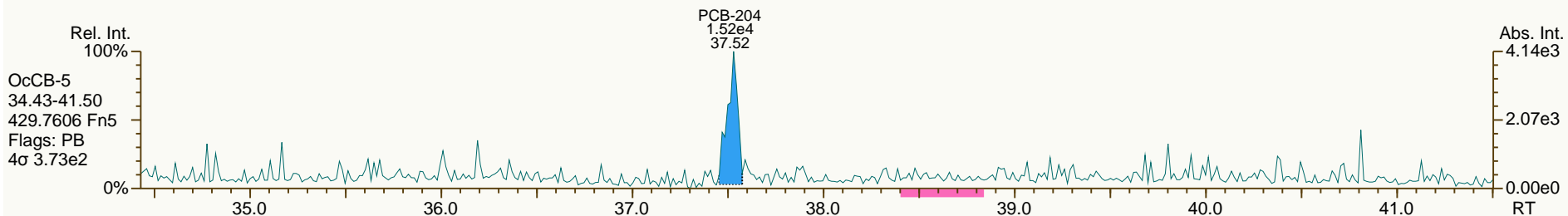
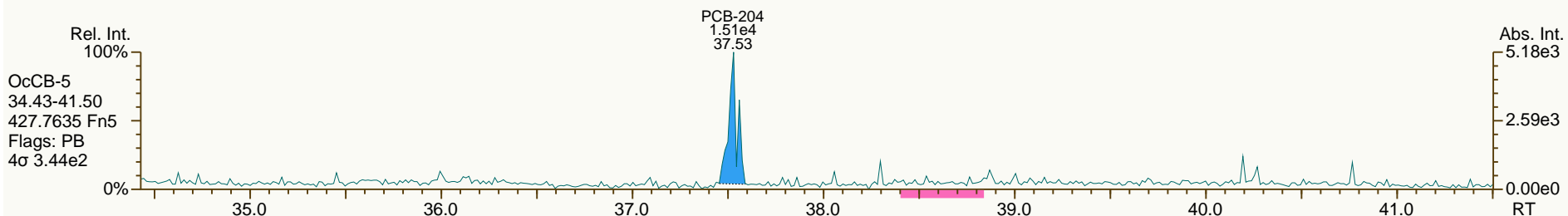
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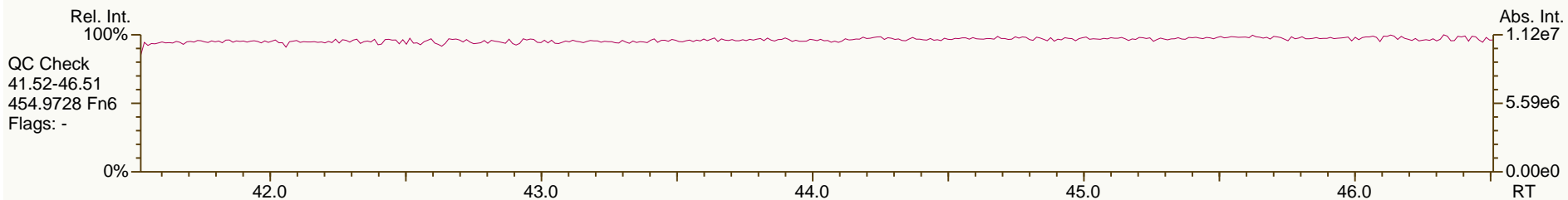
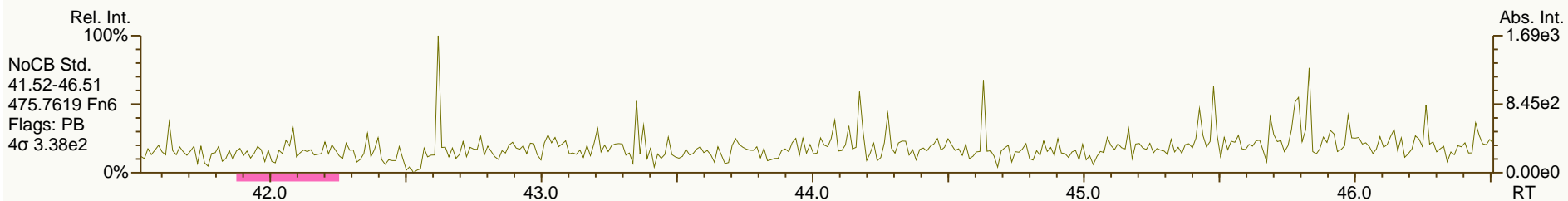
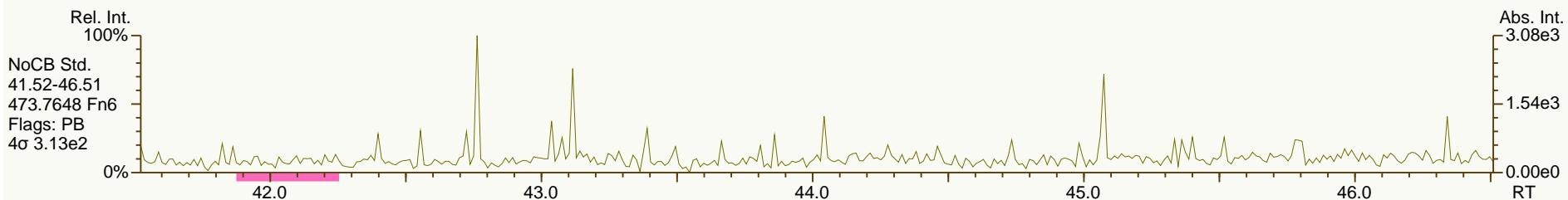
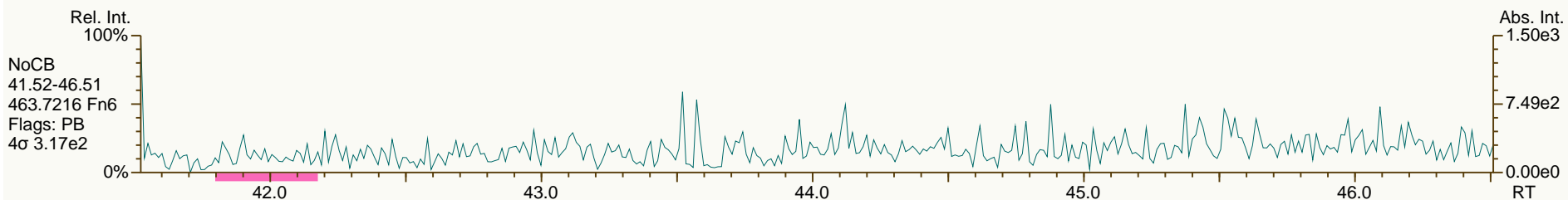
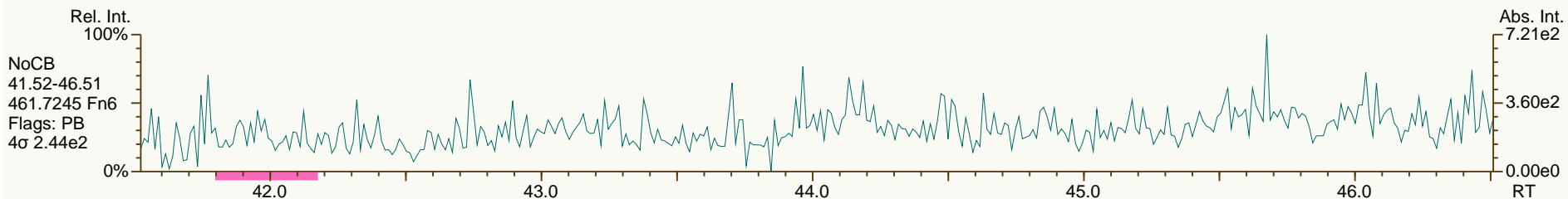
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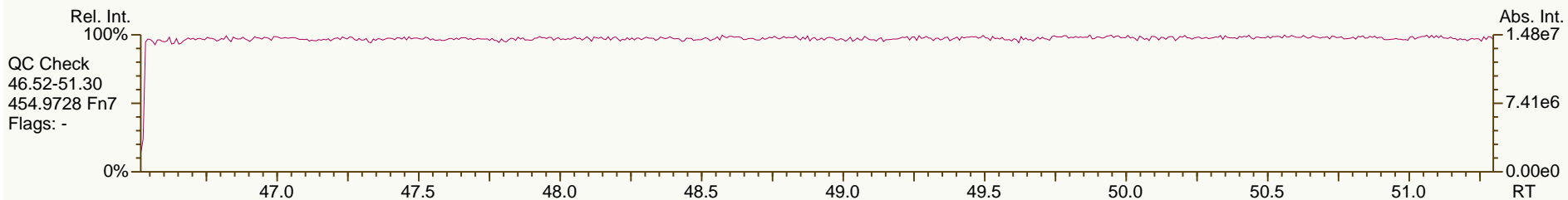
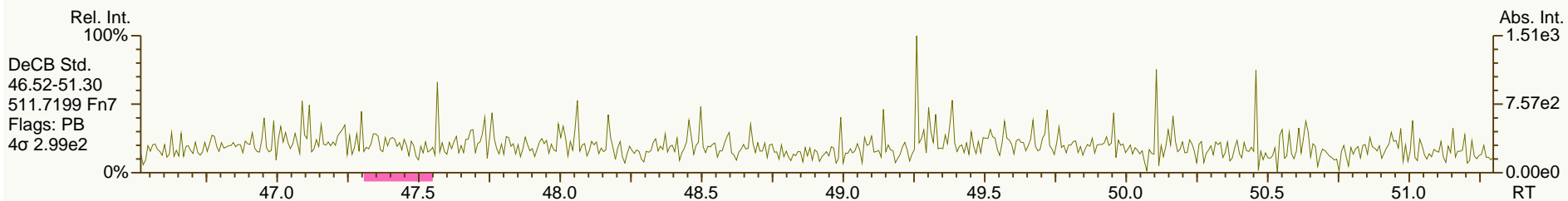
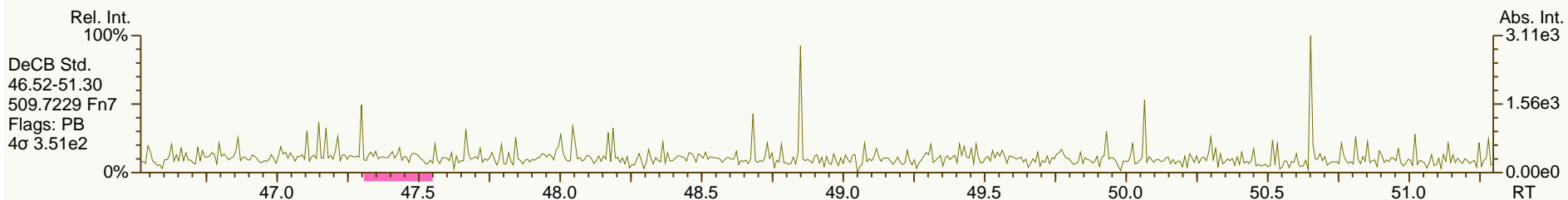
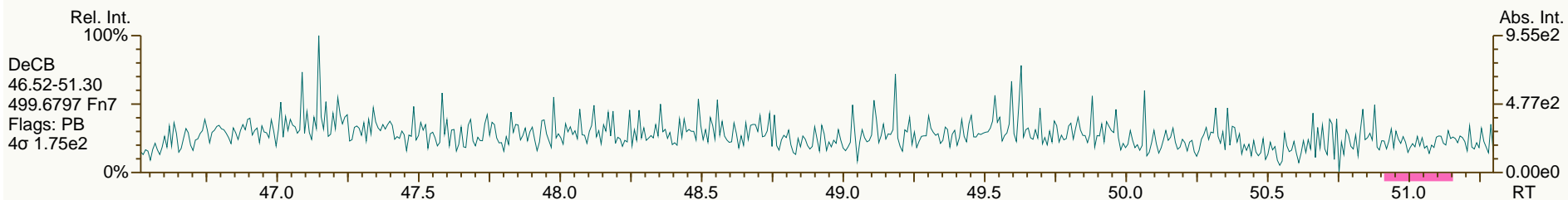
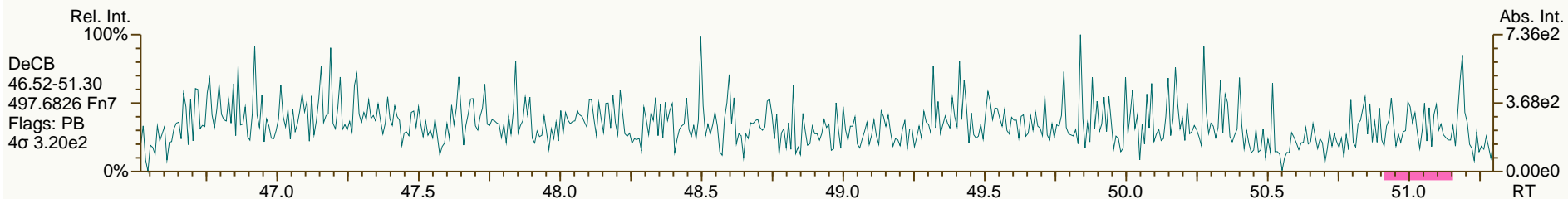
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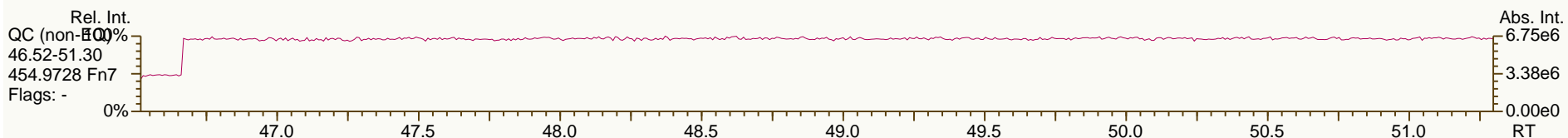
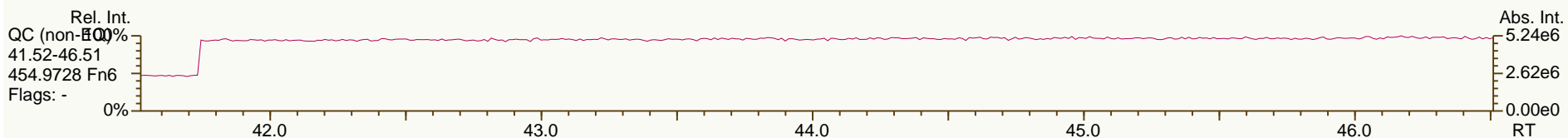
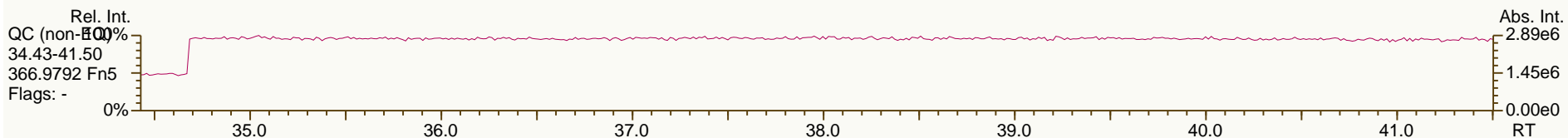
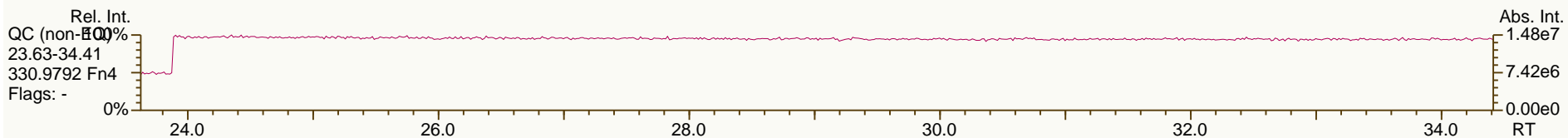
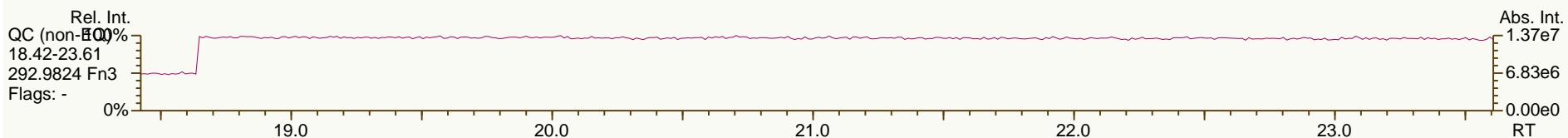
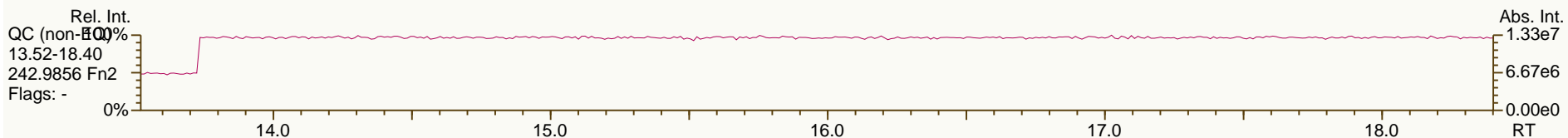
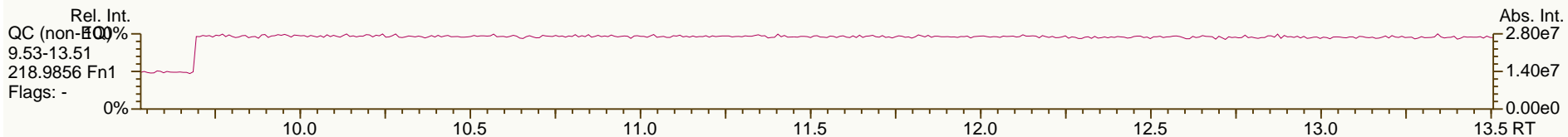
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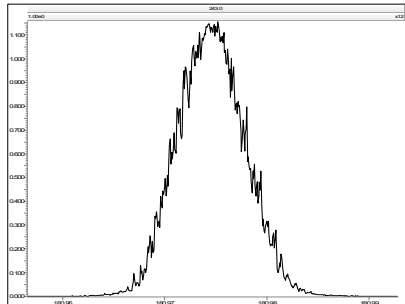
Experiment Calibration Report

MassLynx 4.1

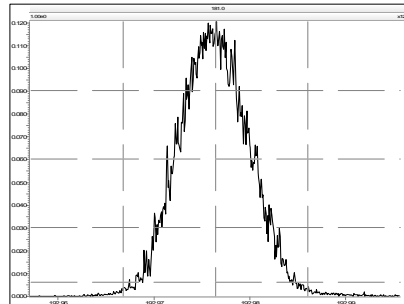
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Printed: Friday, June 29, 2012 12:40:11 Eastern Daylight Time

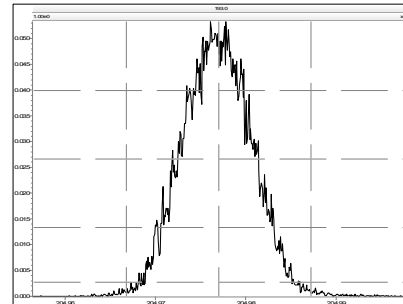
M 180.9888 R 12255



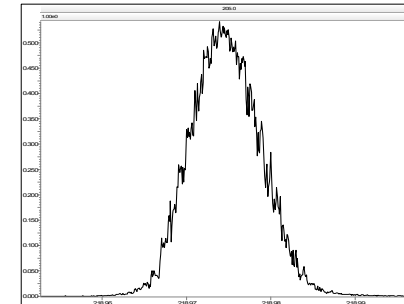
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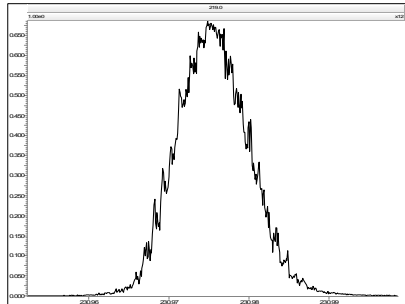
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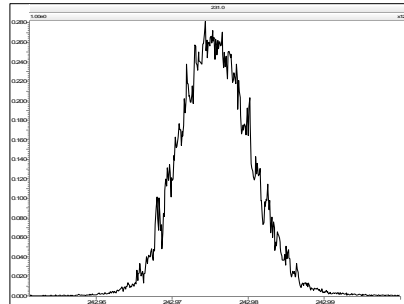
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M 230.9856 R 11738



M 242.9856 R 11847



Experiment Calibration Report

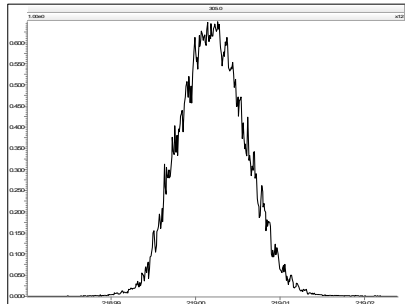
MassLynx 4.1

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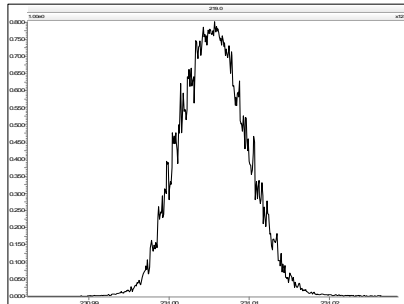
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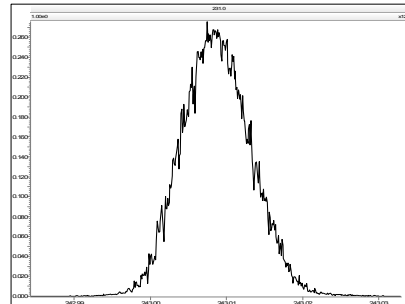
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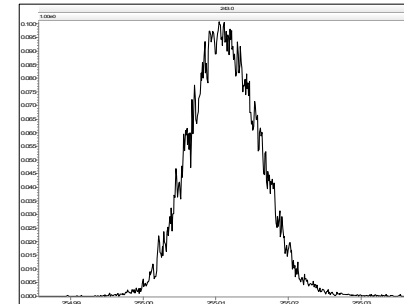
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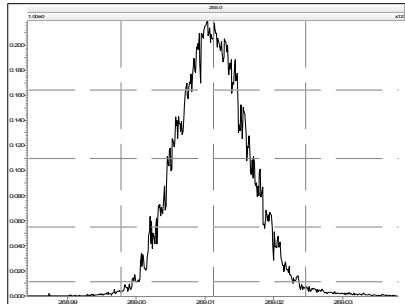
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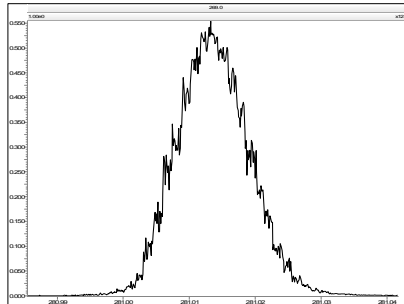
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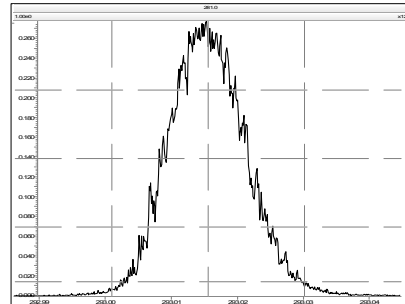
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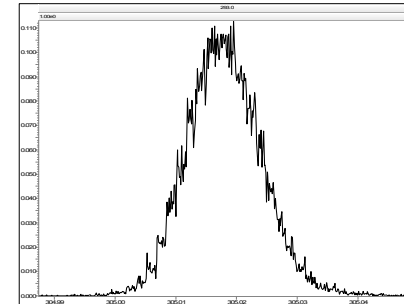
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M 292.9824 R 11112



M 304.9824 R 11013



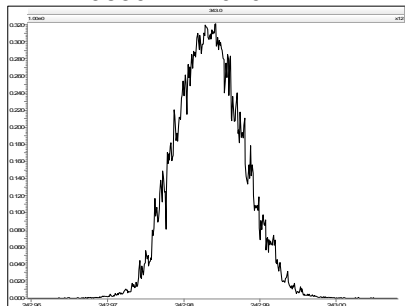
Experiment Calibration Report

MassLynx 4.1

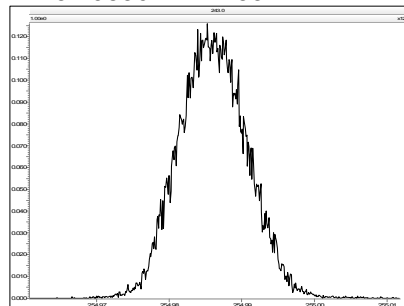
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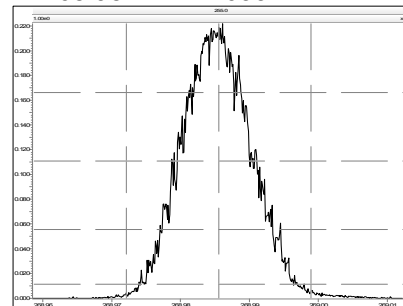
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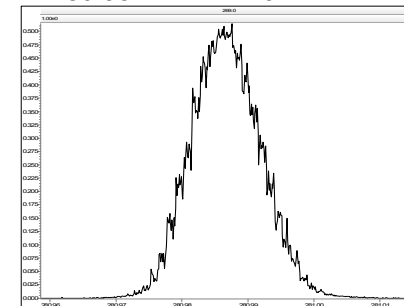
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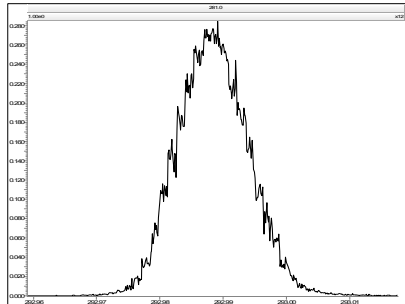
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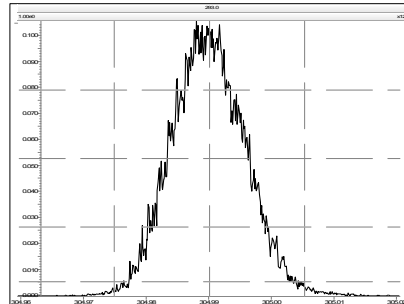
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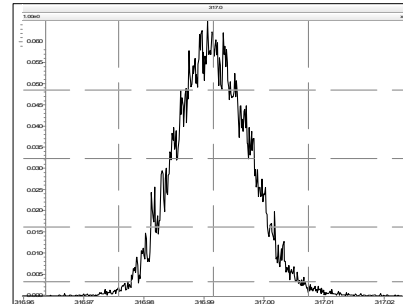
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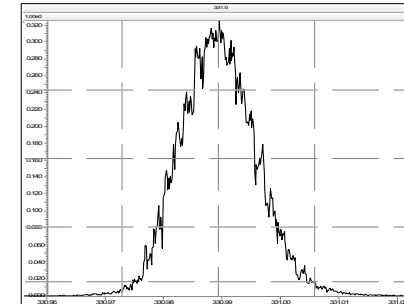
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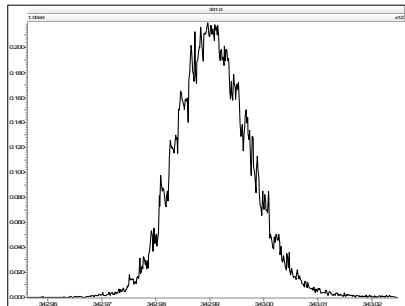
M 316.9824 R 11263



M 330.9792 R 11313



M 342.9792 R 10592



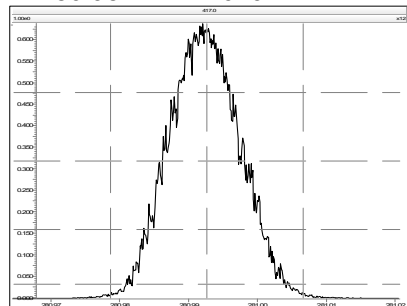
Experiment Calibration Report

MassLynx 4.1

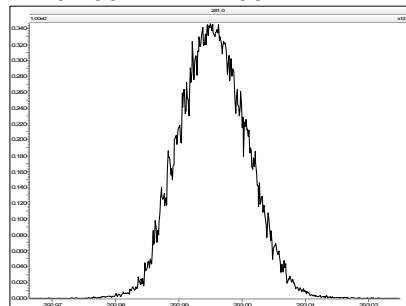
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Printed: Friday, June 29, 2012 12:41:28 Eastern Daylight Time

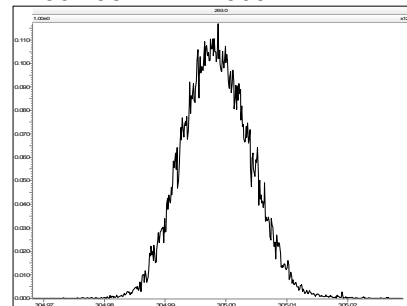
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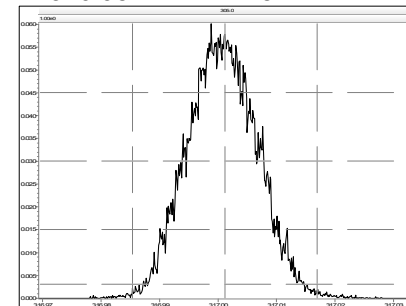
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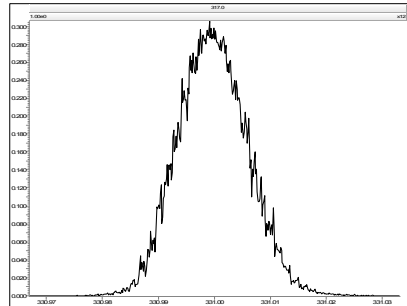
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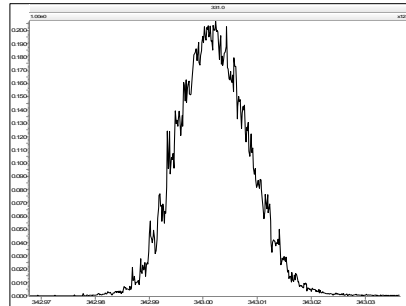
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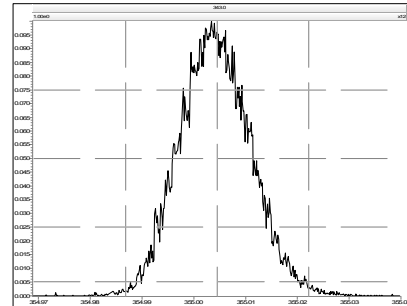
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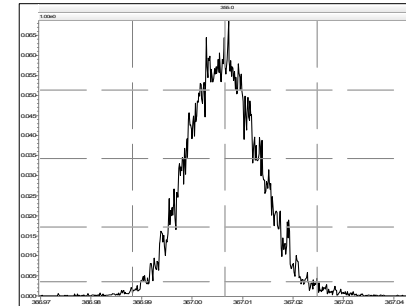
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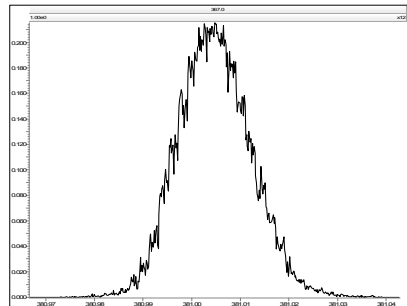
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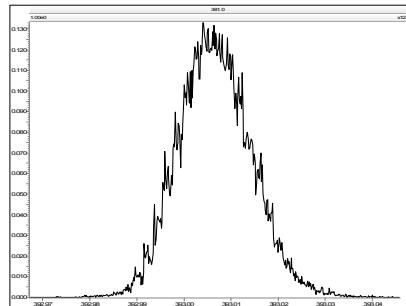
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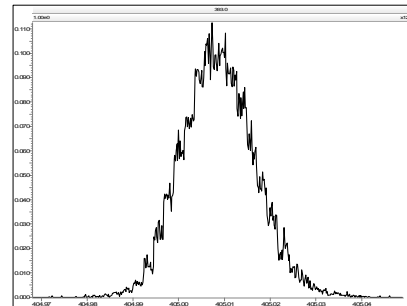
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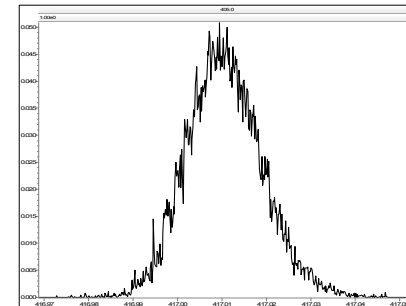
M 392.9760 R 10728



M 404.9760 R 11364



M 416.9760 R 10459



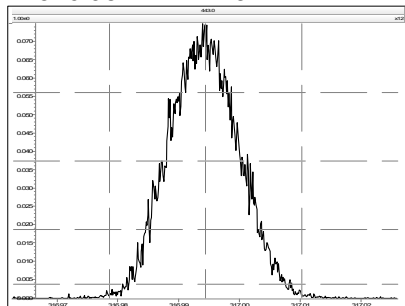
Experiment Calibration Report

MassLynx 4.1

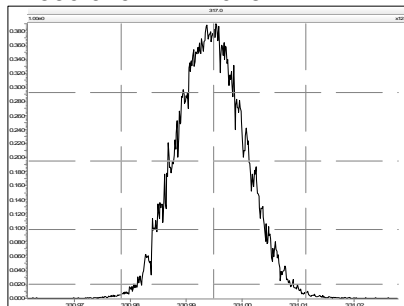
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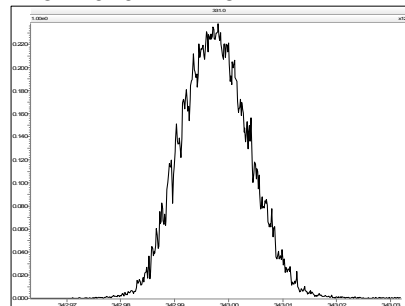
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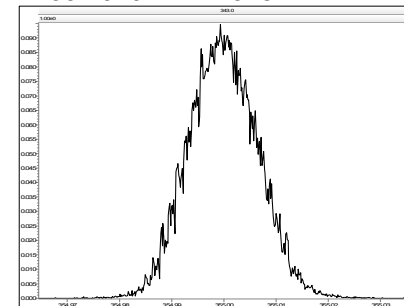
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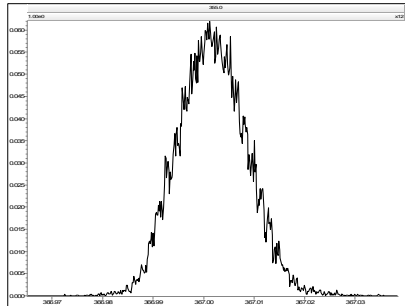
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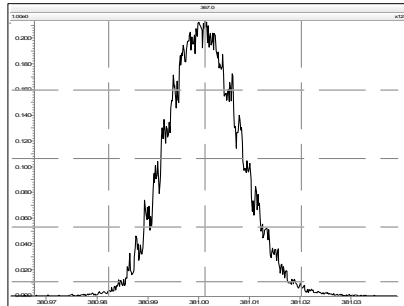
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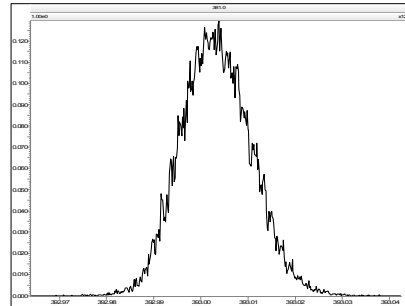
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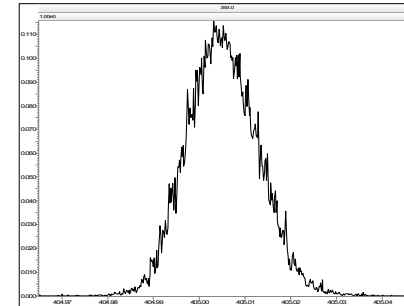
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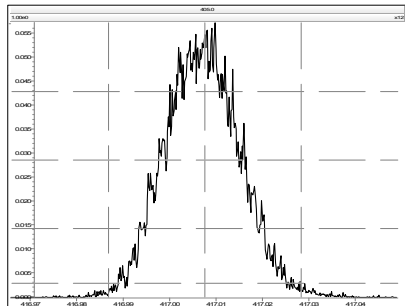
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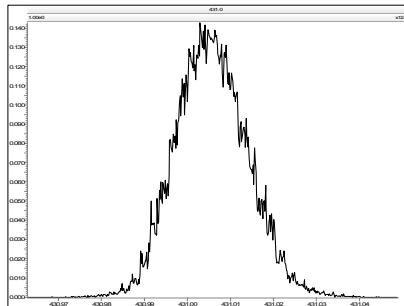
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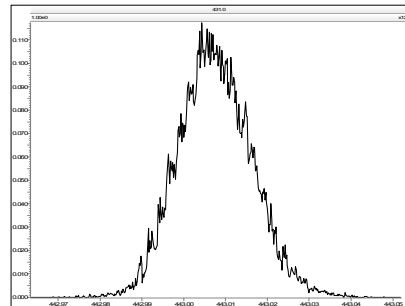
M 416.9760 R 12194



M 430.9728 R 11572



M 442.9728 R 10730



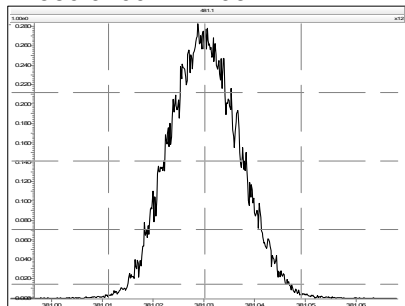
Experiment Calibration Report

MassLynx 4.1

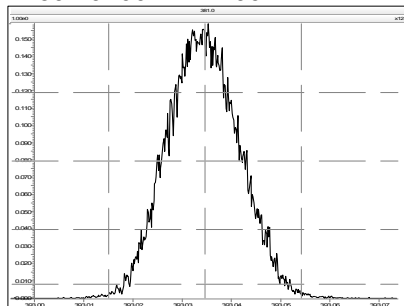
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Printed: Friday, June 29, 2012 12:42:22 Eastern Daylight Time

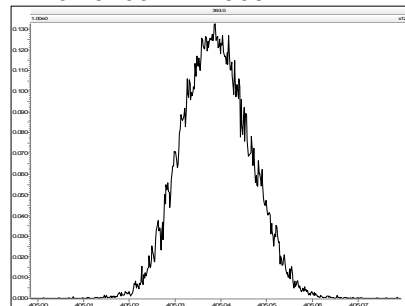
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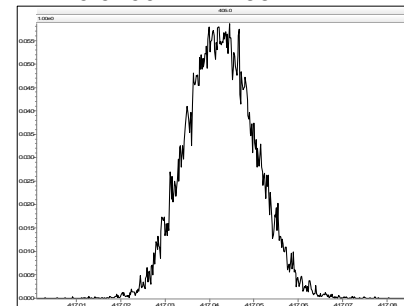
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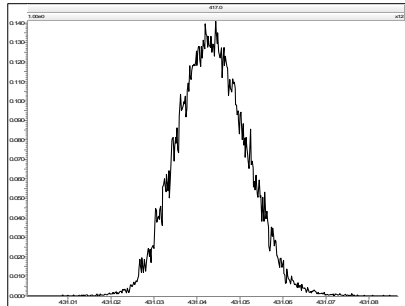
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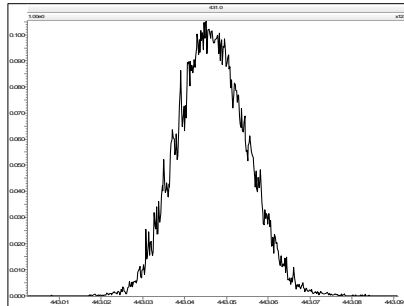
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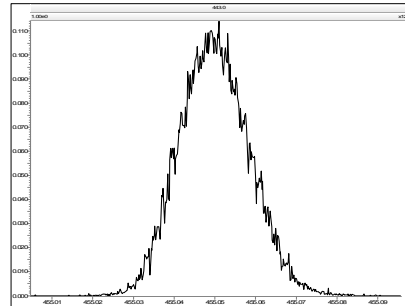
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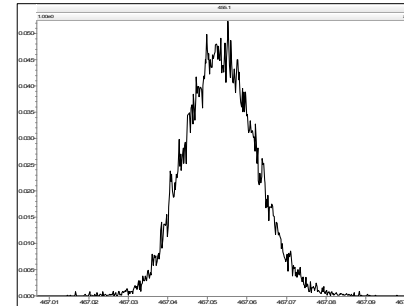
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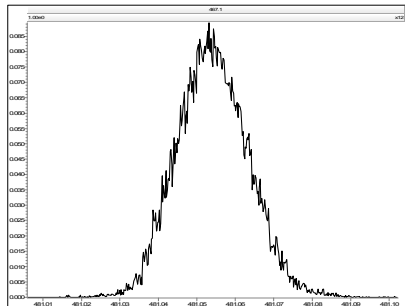
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M 466.9728 R 11363



M 480.9696 R 12253



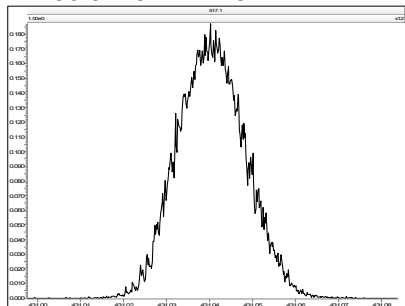
Experiment Calibration Report

MassLynx 4.1

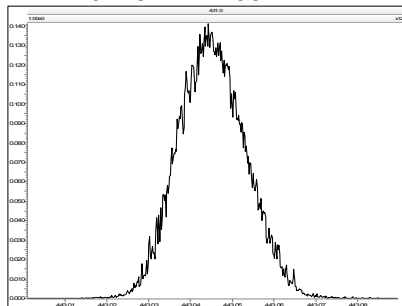
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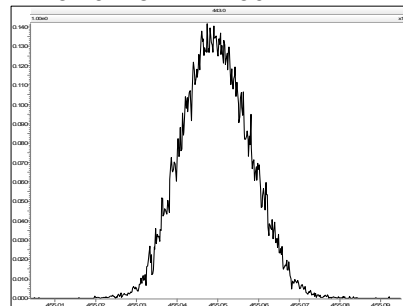
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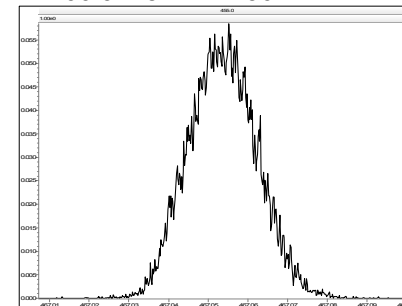
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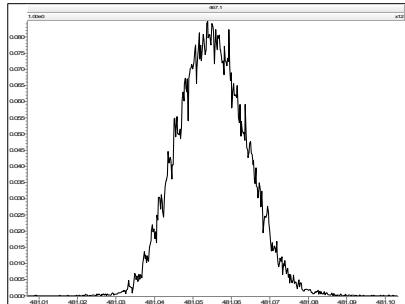
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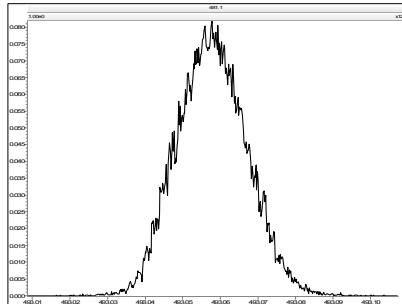
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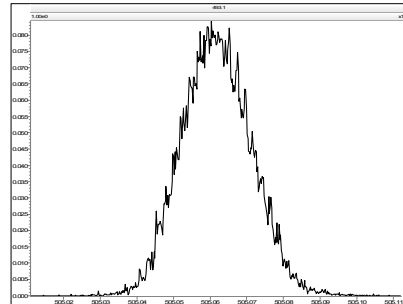
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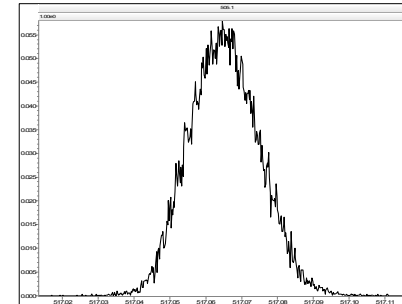
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M 504.9696 R 11573



M 516.9697 R 11850



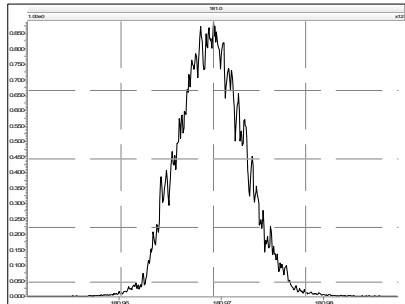
Resolution Check Report

MassLynx 4.1

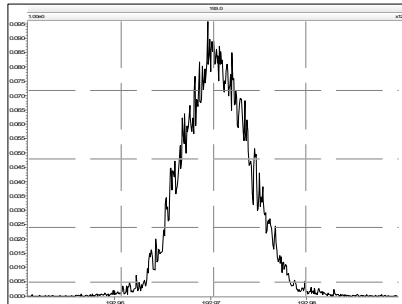
Page 1 of 6

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

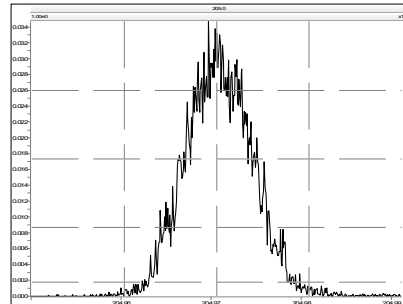
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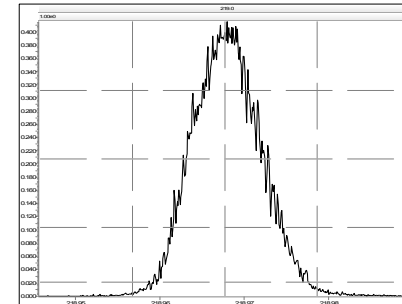
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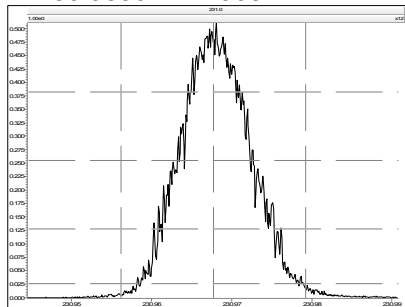
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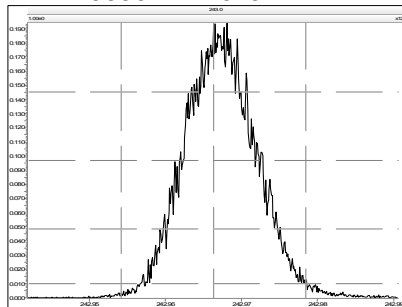
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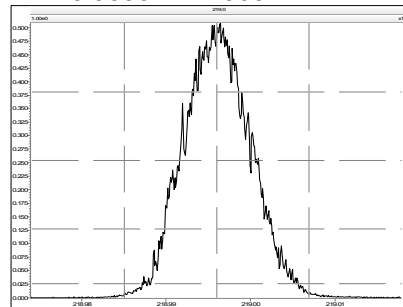
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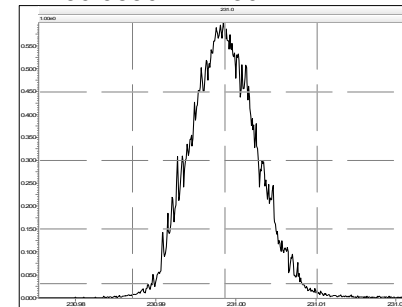
M 242.9856 R 11629



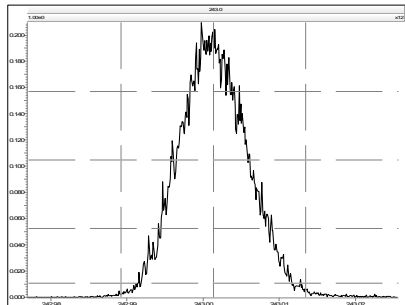
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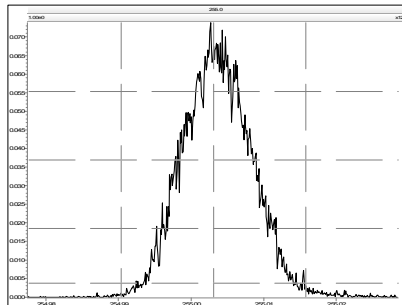
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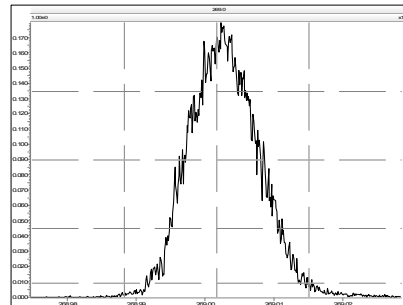
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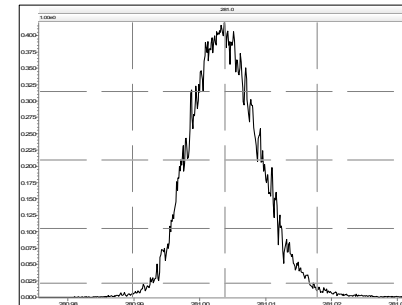
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M 268.9824 R 11834



M 280.9824 R 11628

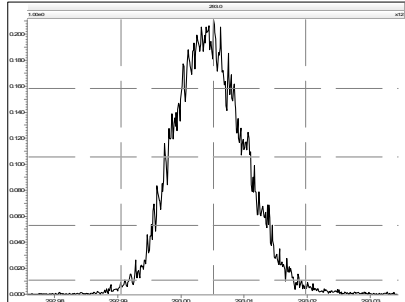


Resolution Check Report

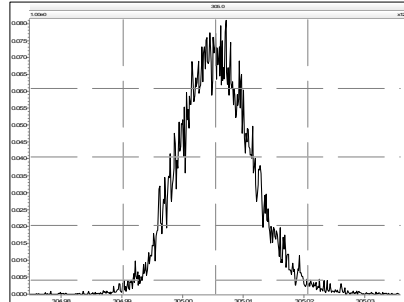
MassLynx 4.1

Printed: Friday, June 29, 2012 22:22:21 Eastern Daylight Time

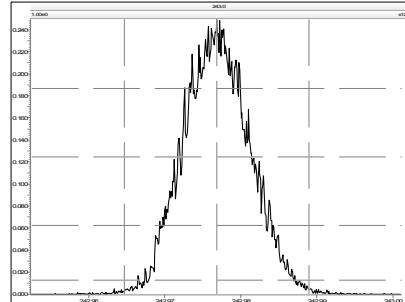
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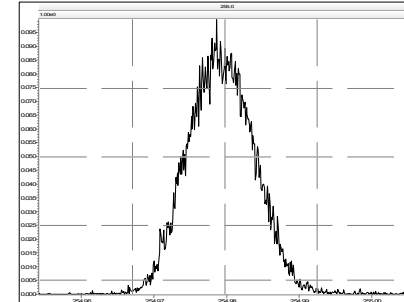
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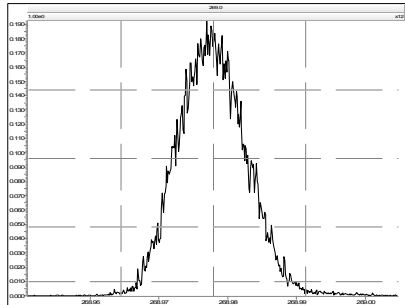
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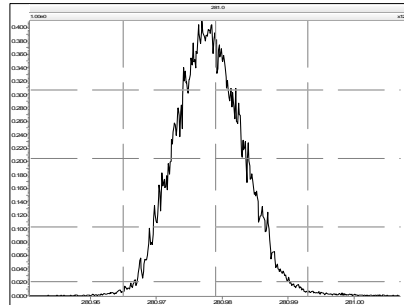
M 254.9856 R 12570



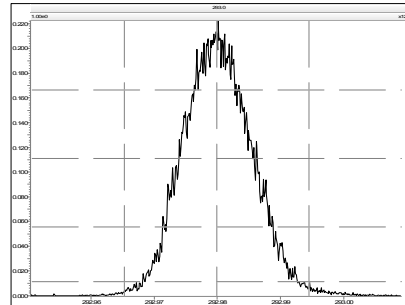
M 268.9824 R 12297



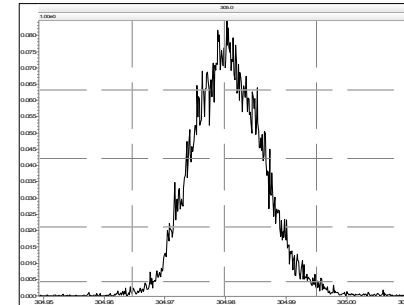
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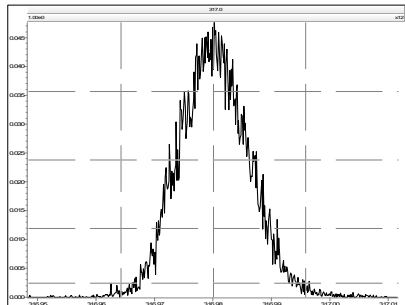
M 292.9824 R 11876



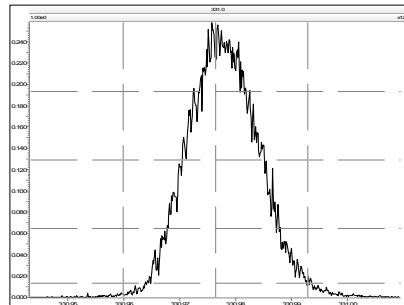
M 304.9824 R 11654



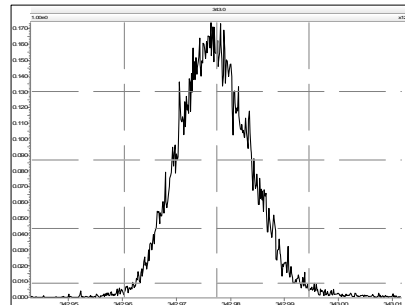
M 316.9824 R 12021



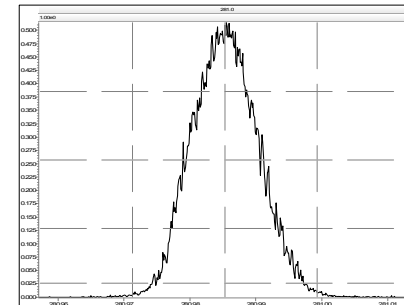
M 330.9792 R 11746



M 342.9792 R 11235



M 280.9824 R 12377



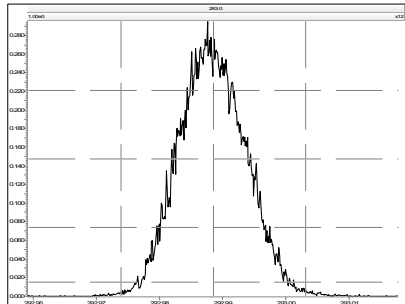
Resolution Check Report

MassLynx 4.1

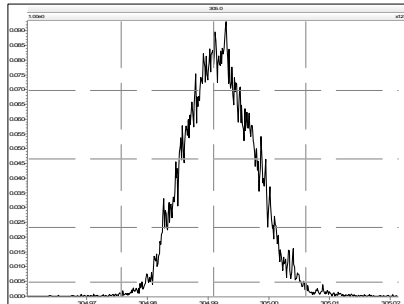
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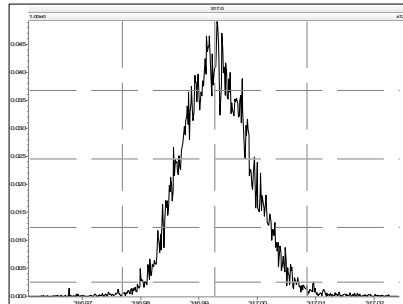
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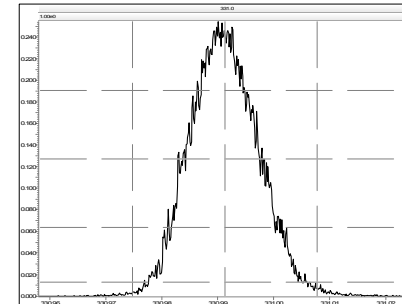
M 304.9824 R 12230



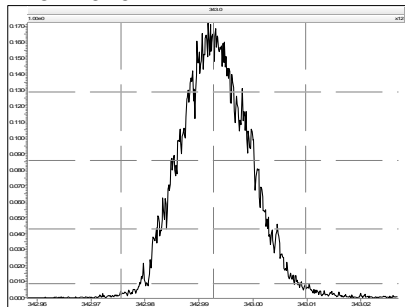
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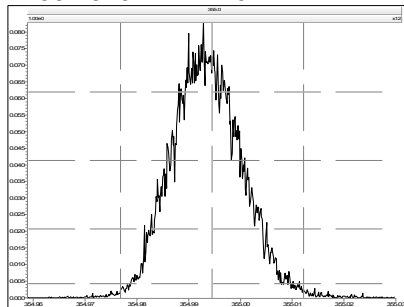
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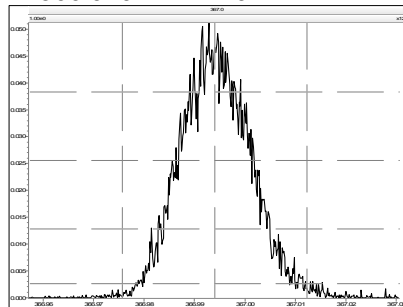
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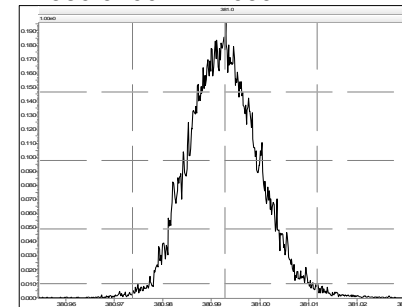
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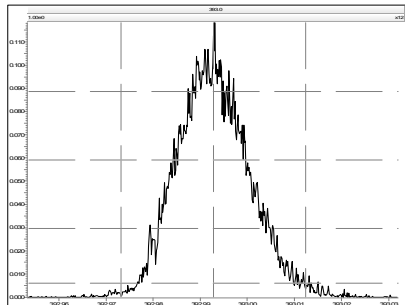
M 366.9792 R 12194



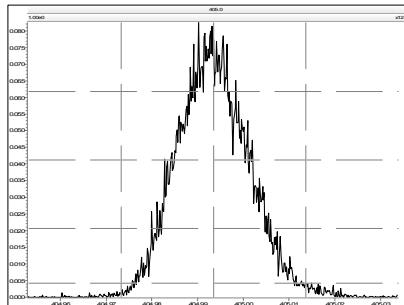
M 380.9760 R 11659



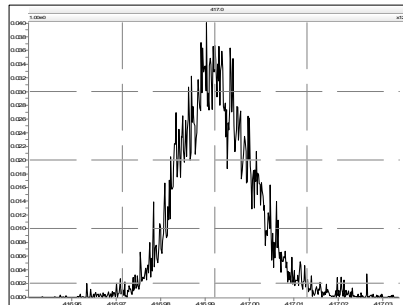
M 392.9760 R 11261



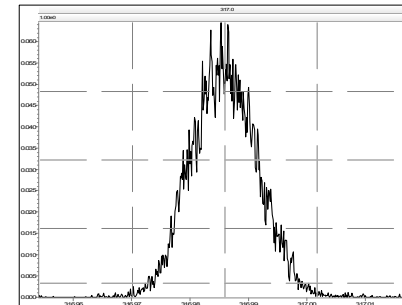
M 404.9760 R 11574



M 416.9760 R 11337



M 316.9824 R 12886



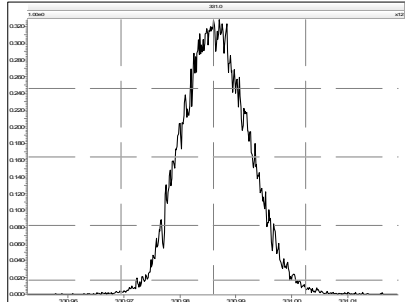
Resolution Check Report

MassLynx 4.1

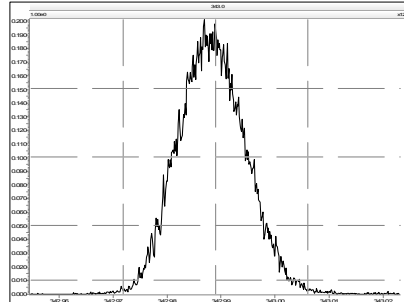
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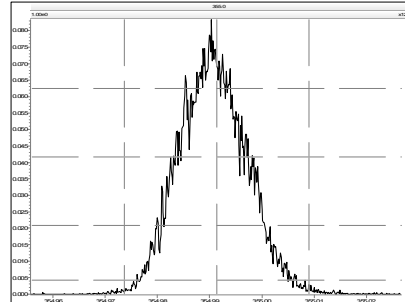
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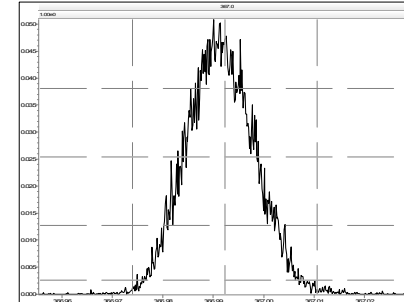
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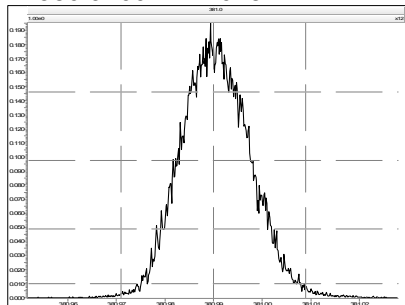
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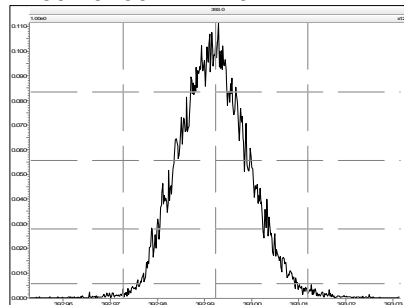
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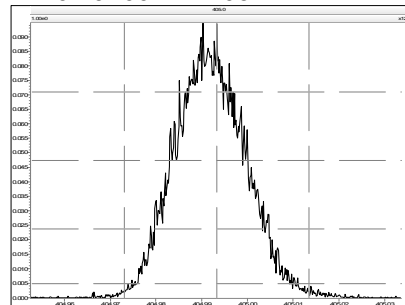
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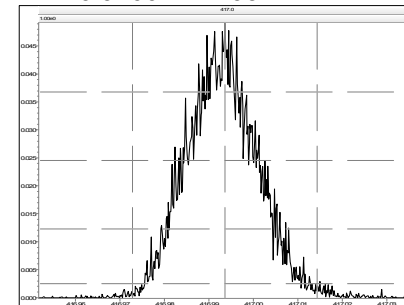
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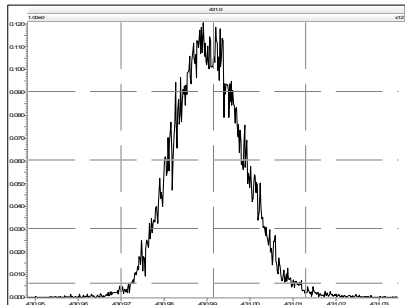
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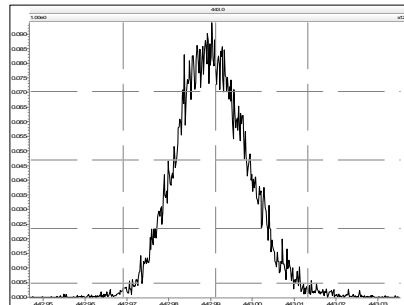
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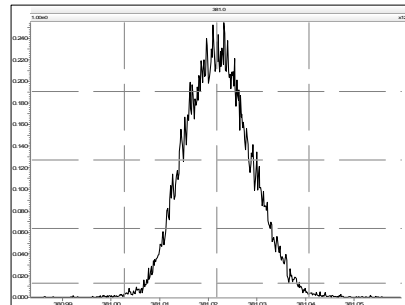
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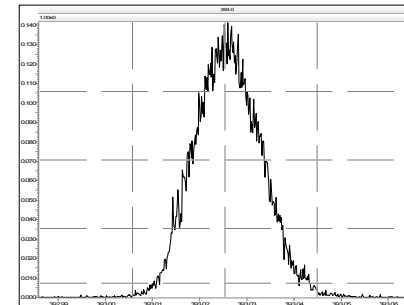
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M 380.9760 R 12255



M 392.9760 R 12544



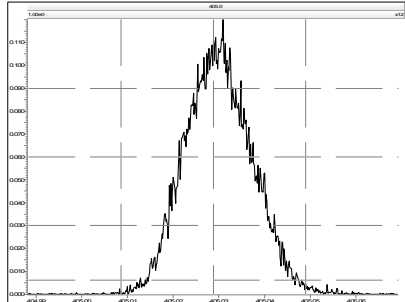
Resolution Check Report

MassLynx 4.1

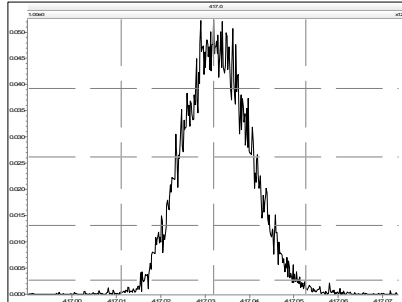
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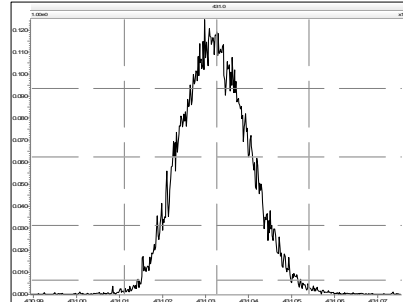
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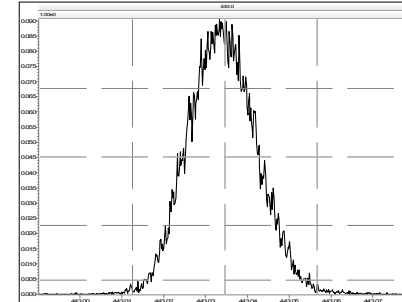
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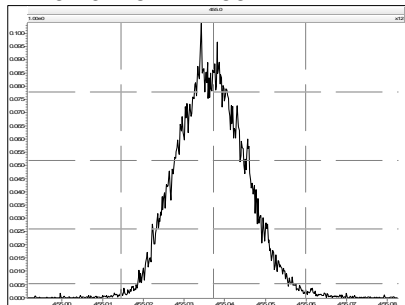
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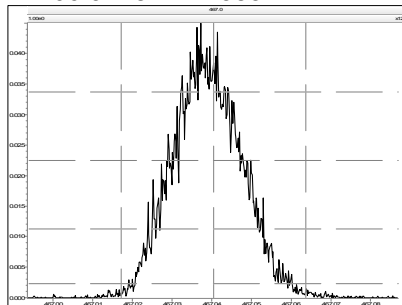
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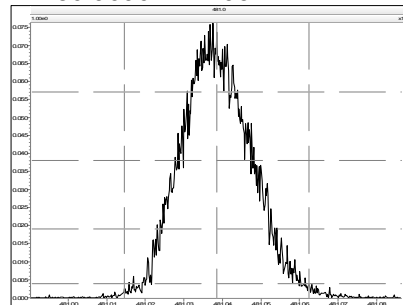
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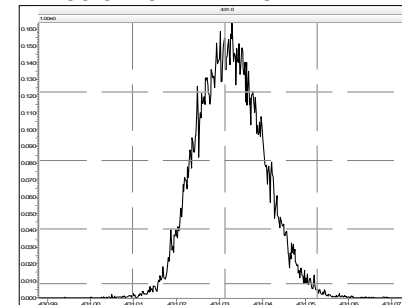
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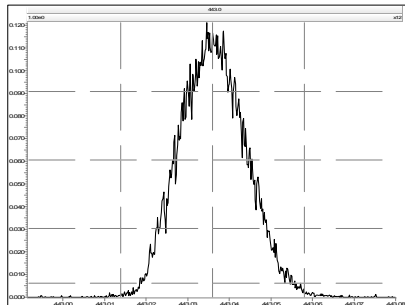
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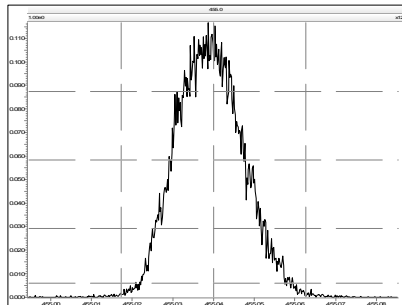
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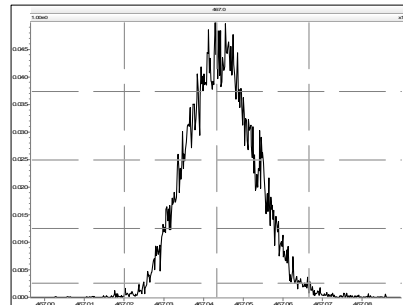
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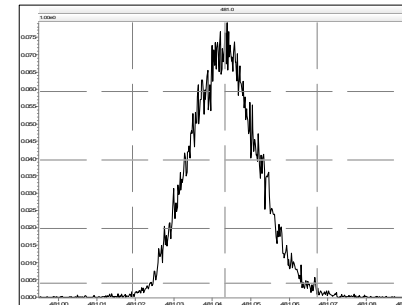
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M 466.9728 R 12254



M 480.9696 R 12001



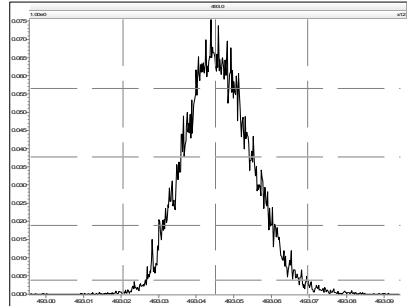
Resolution Check Report

MassLynx 4.1

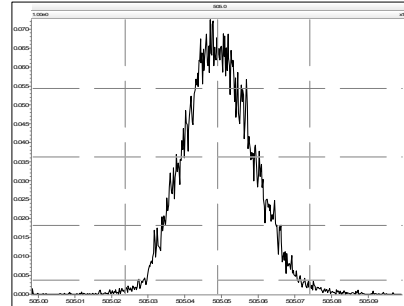
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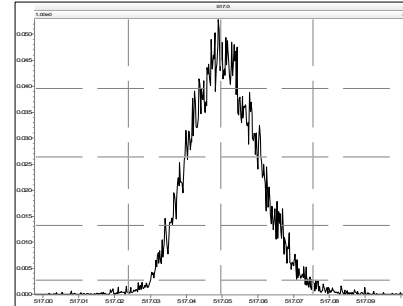
M 492.9696 R 12077



M 504.9696 R 12019



M 516.9697 R 12170



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
Acquired: 26 Jan 2012			0.5	1	5	50	400	2000		
Date Processed: 30 Jan 2012 11:15			CS0	CS1	CS2	CS3	CS4	CS5		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27 ✓	1.29		✓
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31		✓
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09 ✓	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01 ✓	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00 ✓	0.99 ✓	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10 ✓	1.00	1.07	1.14 ✓	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04 ✓	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		✓
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38		✓
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22 ✓	1.23		✓
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63 ✓	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17 ✓	1.19	1.21		
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28 ✓	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08 ✓	1.09	1.07	1.10		
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14 ✓	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15 ✓	1.10	1.10	1.14	1.18		
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24 ✓	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06 ✓	1.06	1.06	1.06	1.07	1.10		

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6'-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5'-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs											
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11		MM4_PCB_01102012_26JAN1		RSD	Mean	sd	PD from Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02			0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11			6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10			7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11			7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10			7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05			-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10			7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00			-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02			-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02			-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06			-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01			0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00			0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04			2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05			-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04			3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02			1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03			2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04			3.0%
153											
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05			3.2%
170											
180											
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04			2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04			3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04			2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07			5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01			1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02			1.3%
ES											
1	10.8	0.98	0.11	1.07	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	10.3	0.98	0.10	1.07	1.05	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	8.3	0.71	0.06	0.84	0.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04			2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04			-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17			9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19			-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12			7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03			1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20			-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02			1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01			-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02			-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13			7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14			7.8%
153											
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11			-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15			10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13			9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24			17.7%
170											
180											
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23			-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16			6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13			-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'44'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'45'6'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'5'6'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'455'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'455'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'44'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'5'6'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'44'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'5'6'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'34'55'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56'-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6'-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6'-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED*By cwood at 2:30 pm, Jan 30, 2012*

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 16:11							
Datafile:	120126S03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%		
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%		
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%		
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%		
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%		
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%		
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%		
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%		
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%		
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%		
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%		
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%		
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%		
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%		
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%		
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%		
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%		
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%		
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%		
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%		
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%		
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%		
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%		
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%		
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%		
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%		
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%		
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%		
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%		
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%		
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%		
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%		
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%		
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%		
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%		
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%		
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%		
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%		
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

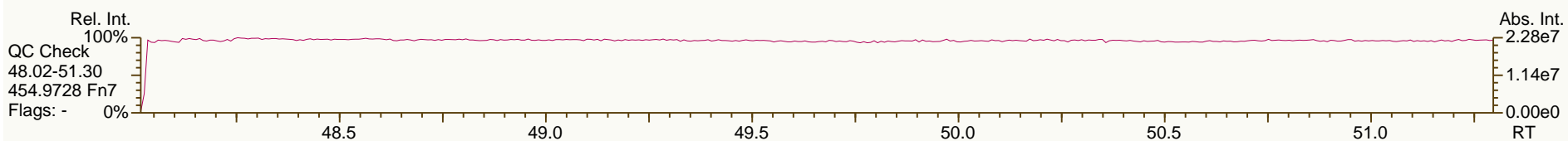
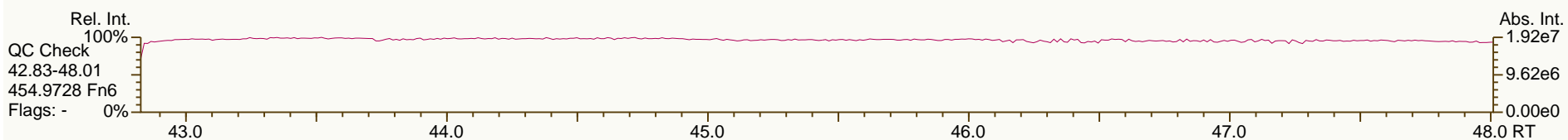
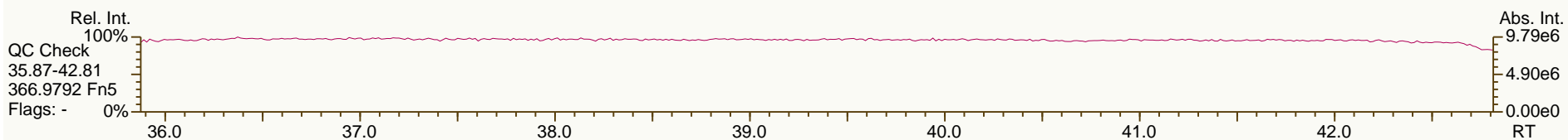
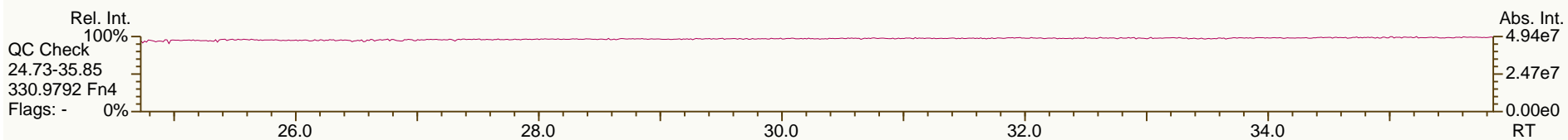
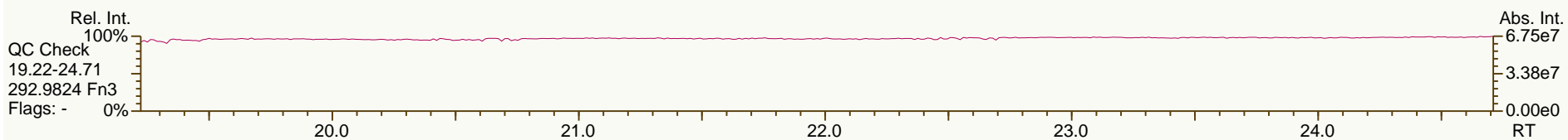
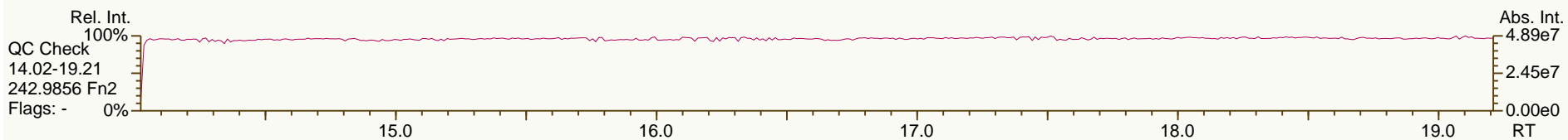
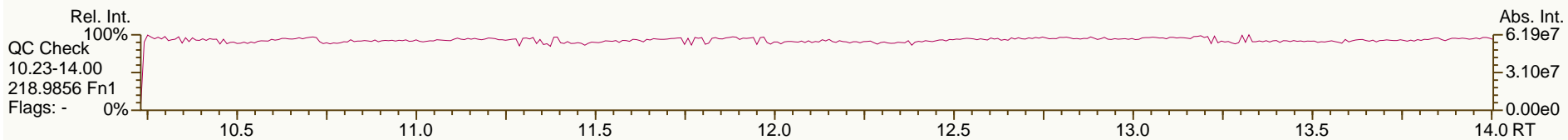
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4'-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5'-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46'-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45'-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45'-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6'-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6'-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56'-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46'-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456'-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6'-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6'-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5'-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6'-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456'-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6'-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

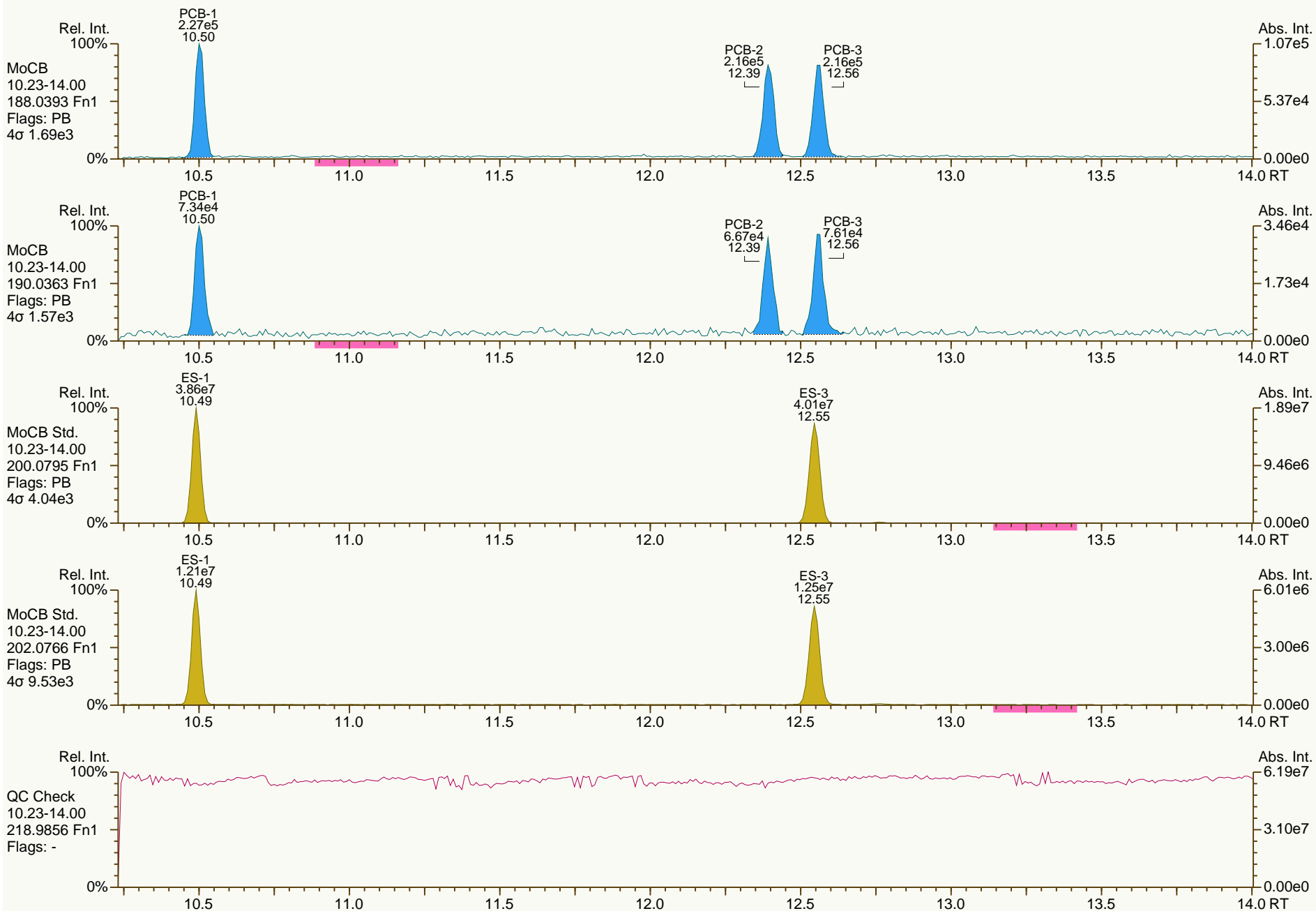
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

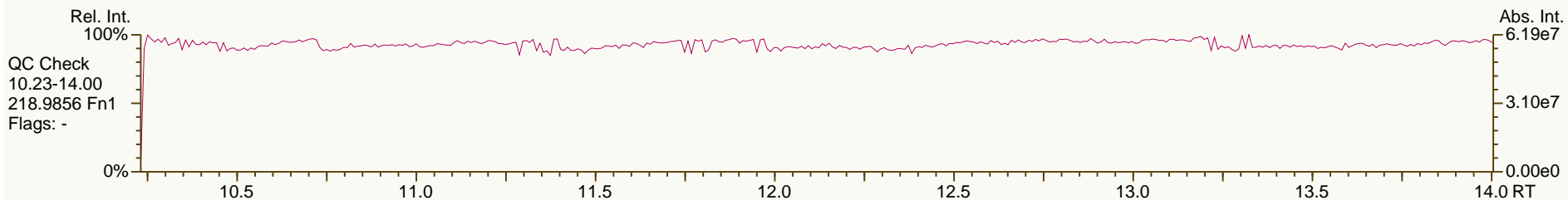
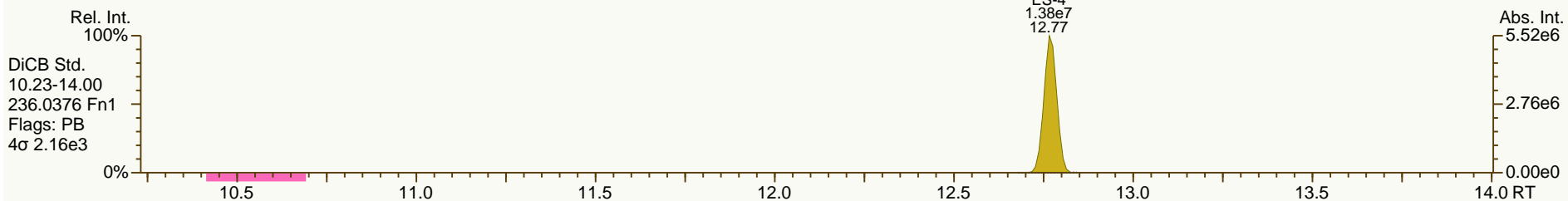
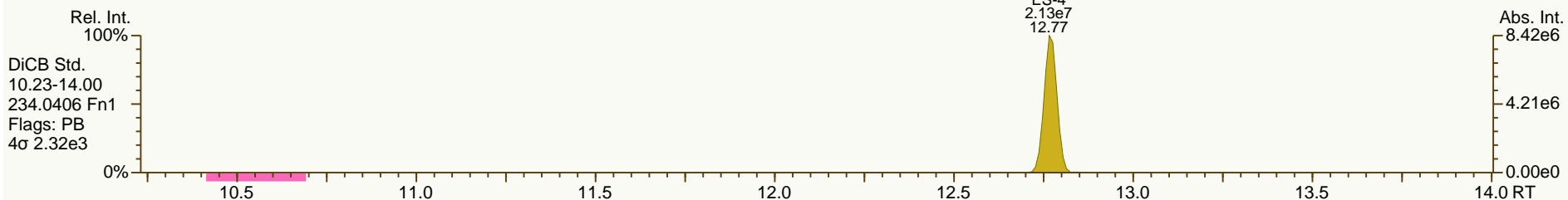
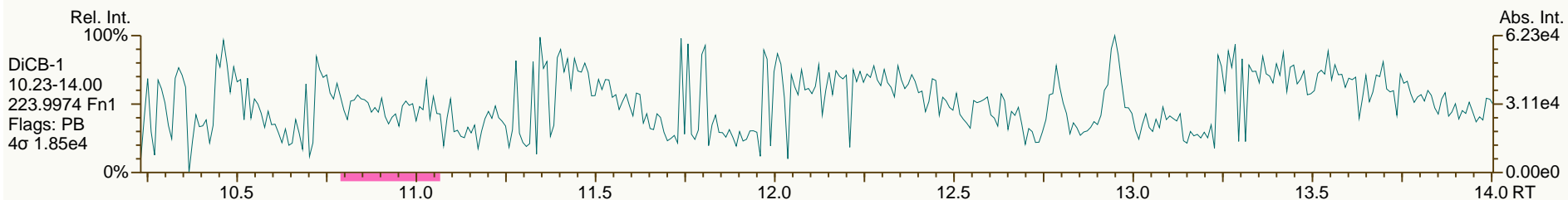
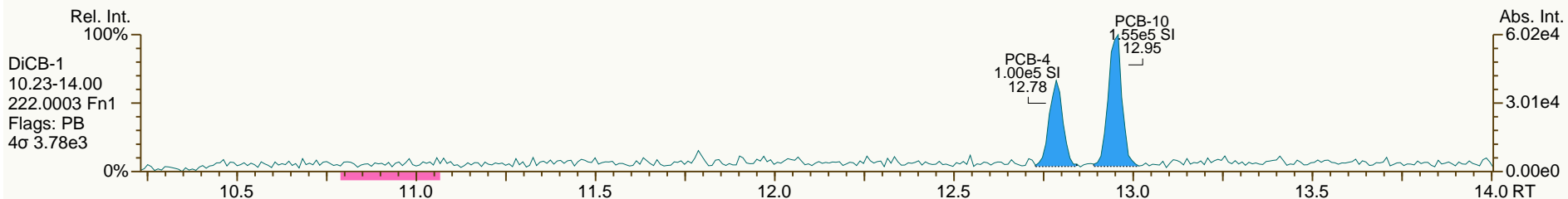
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

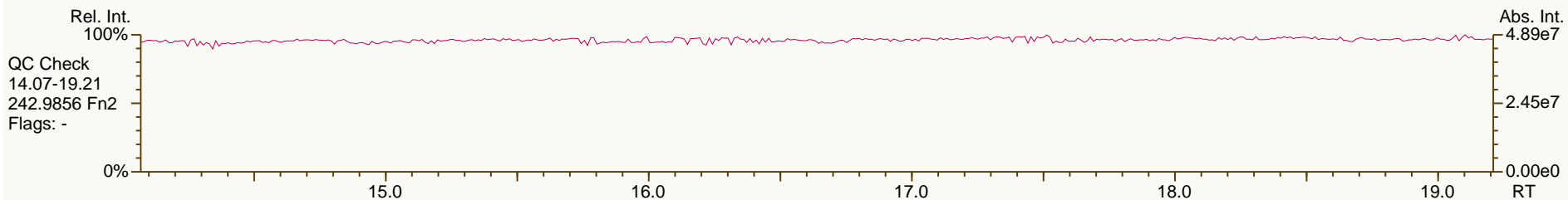
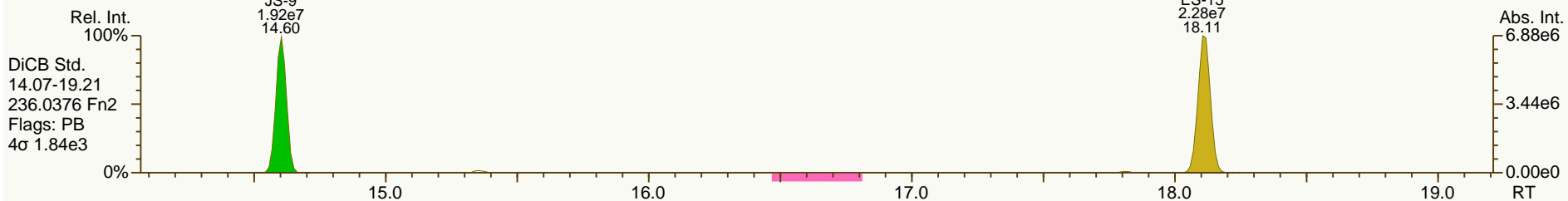
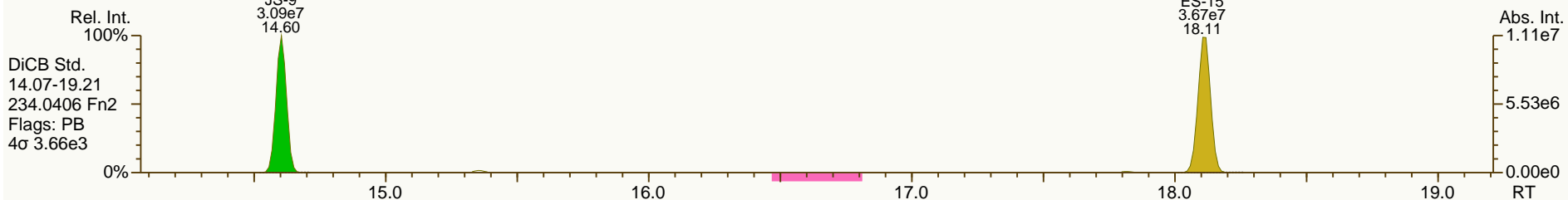
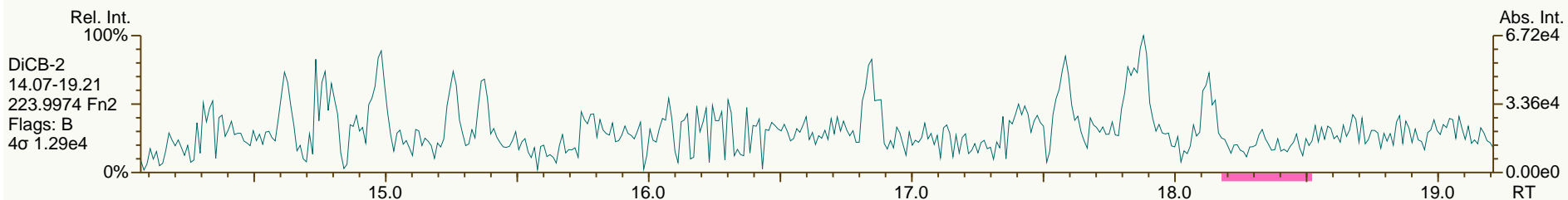
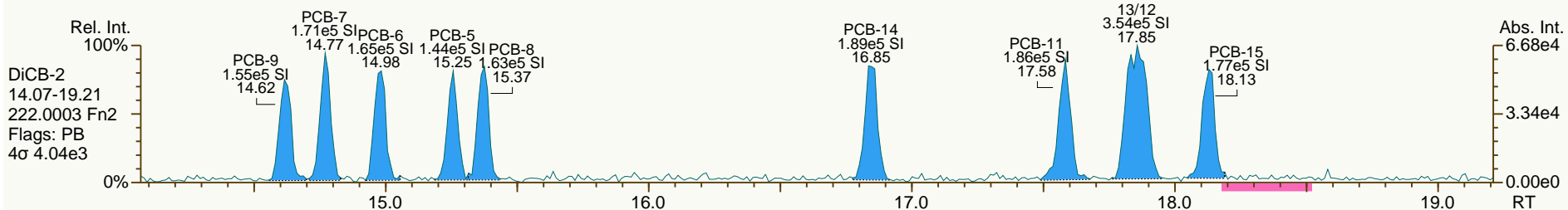
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

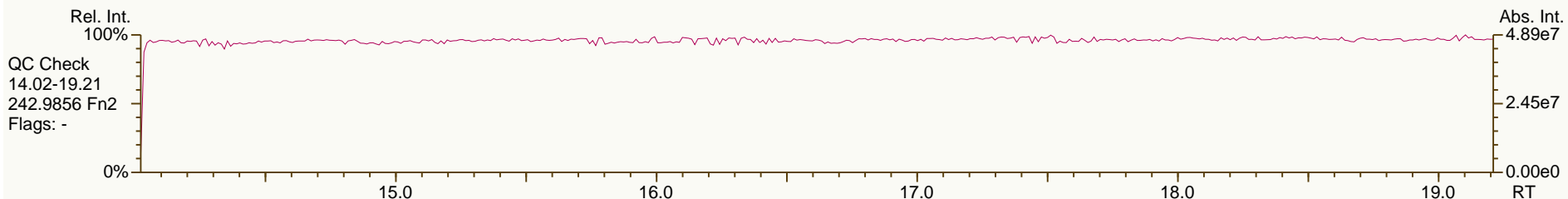
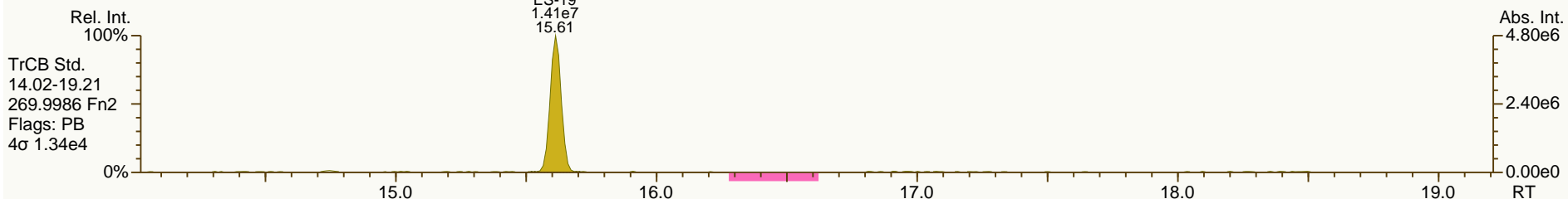
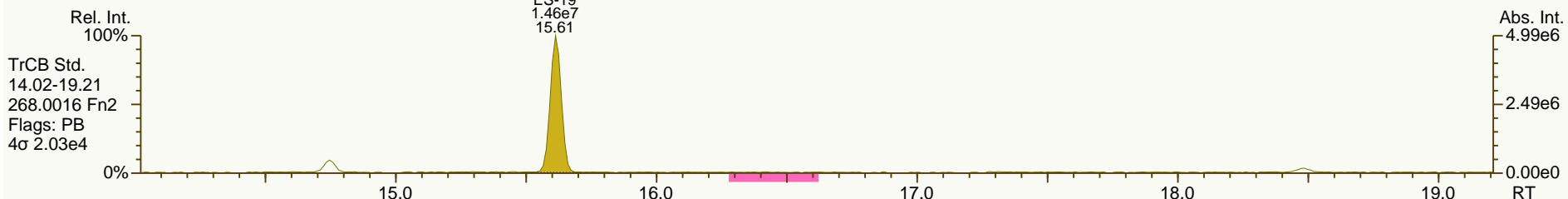
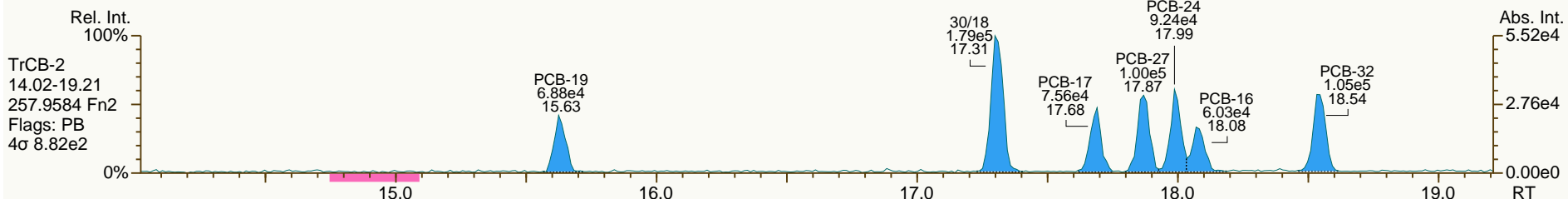
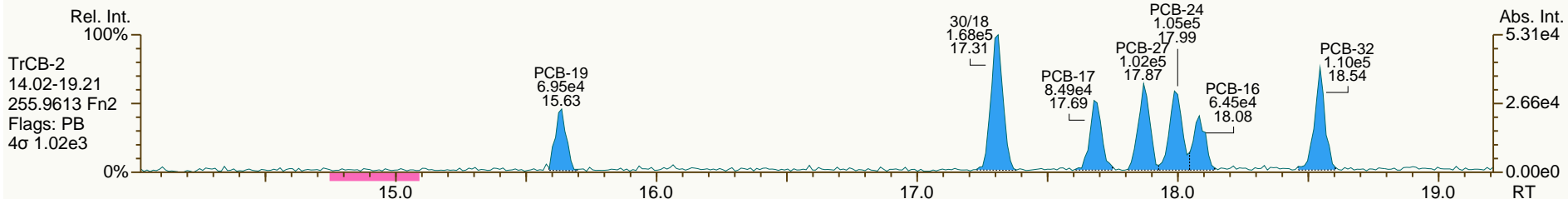
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

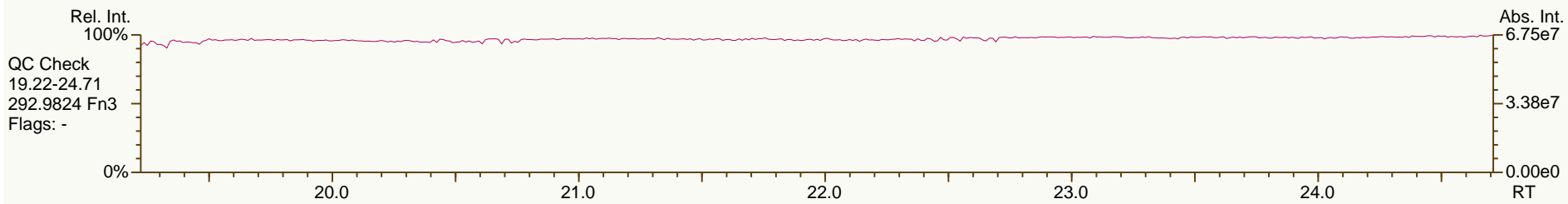
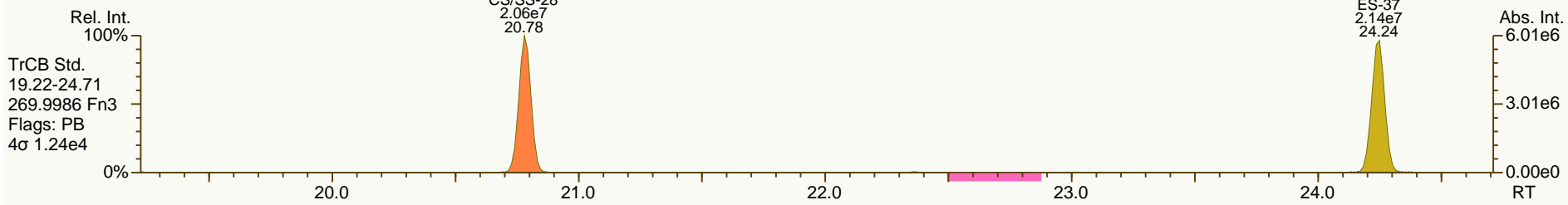
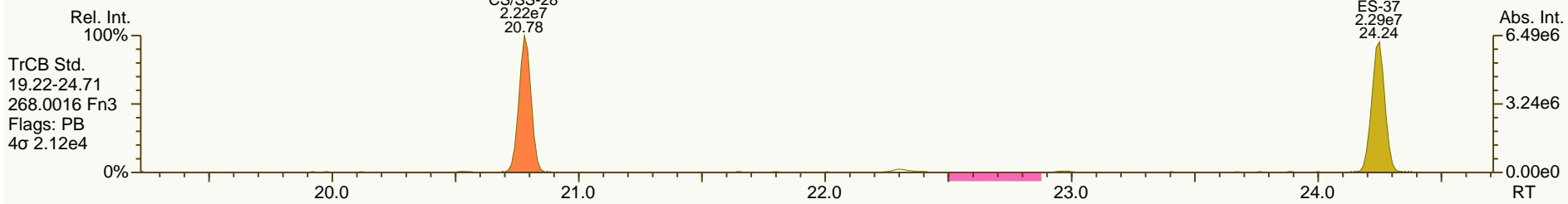
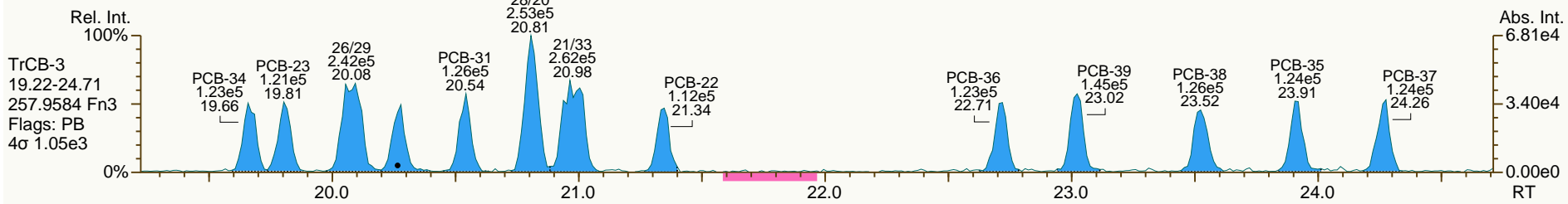
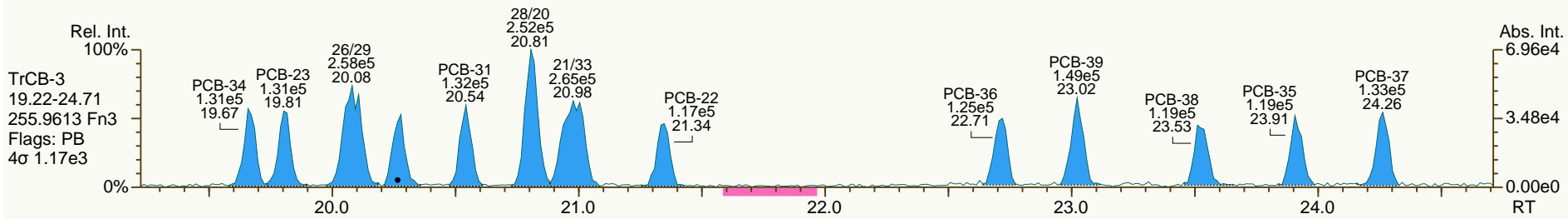
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

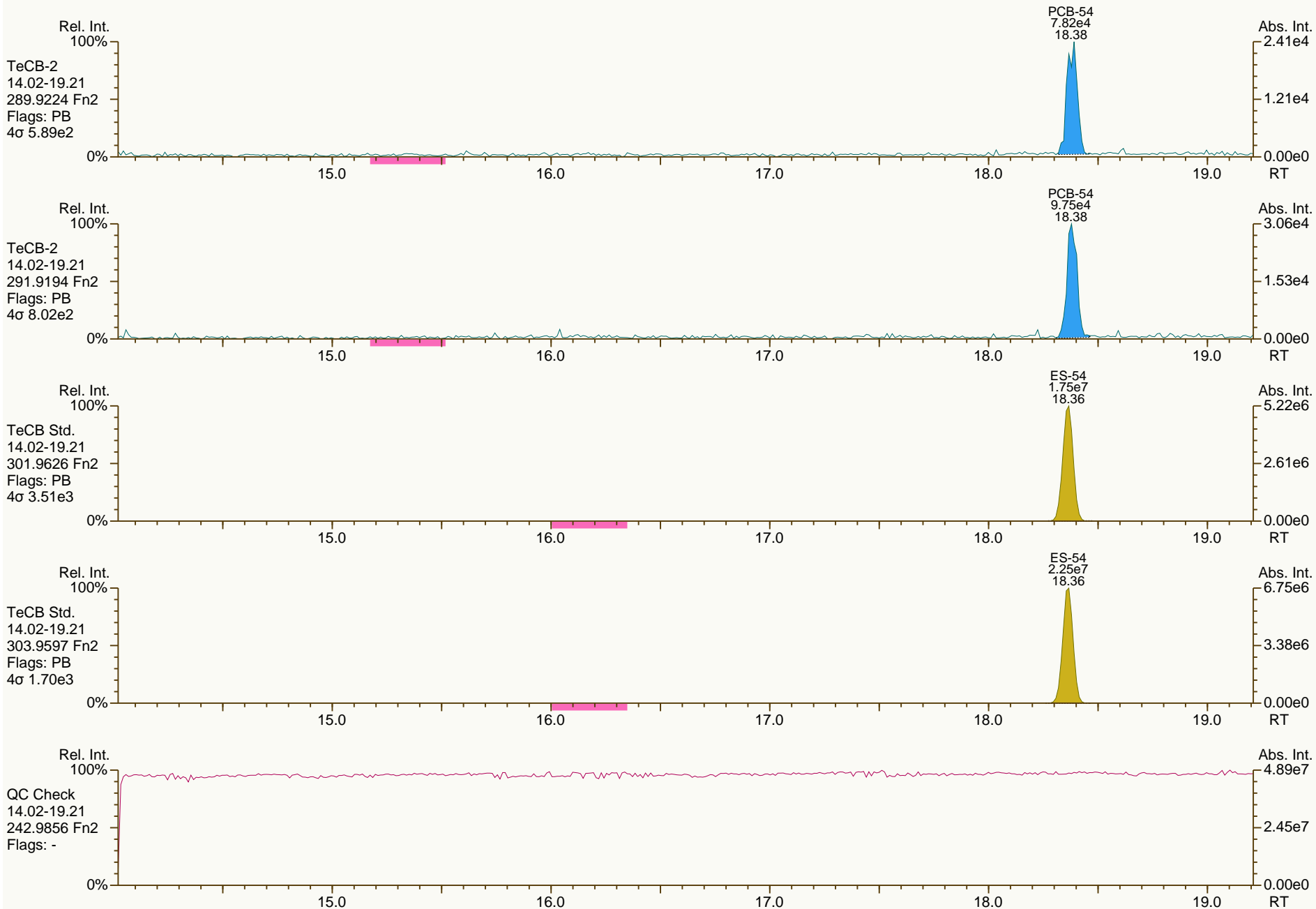
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

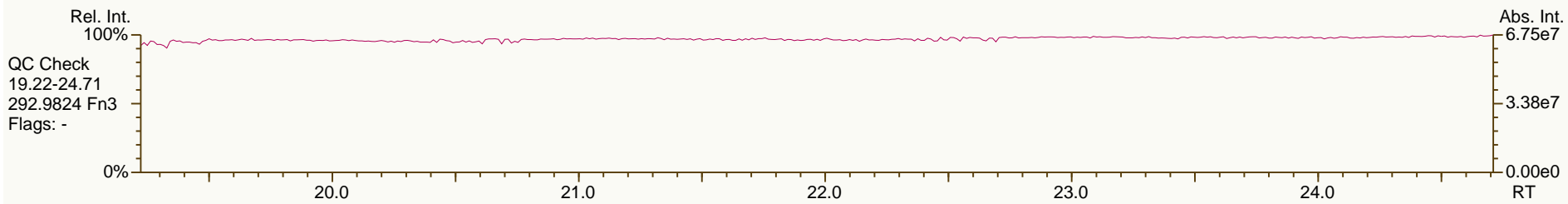
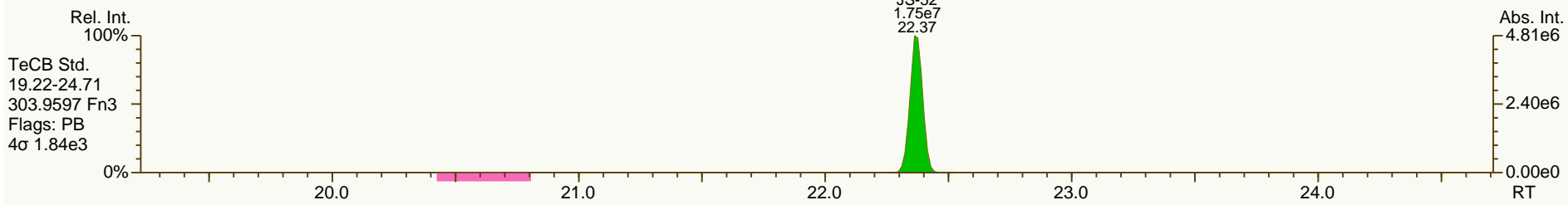
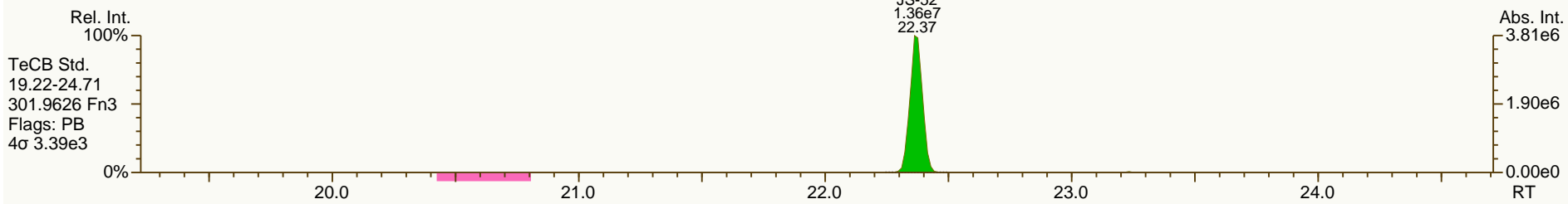
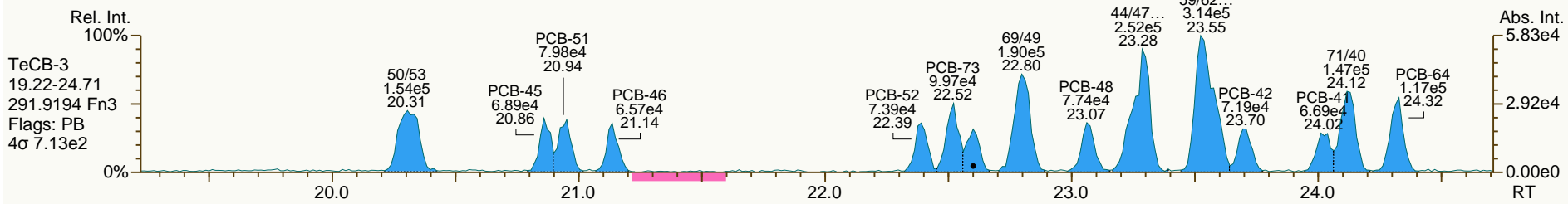
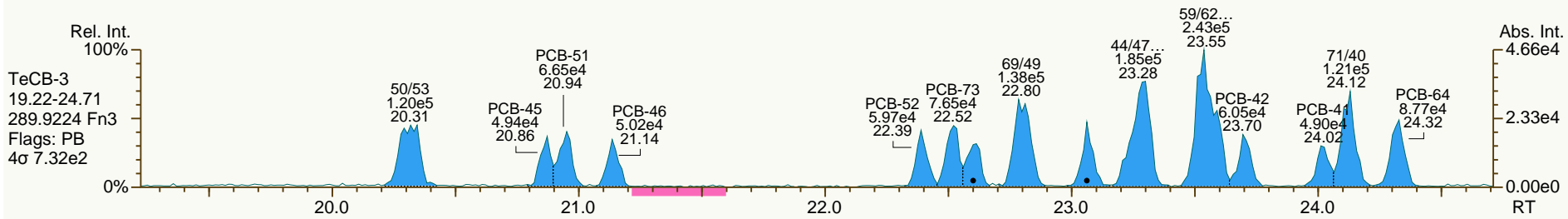
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

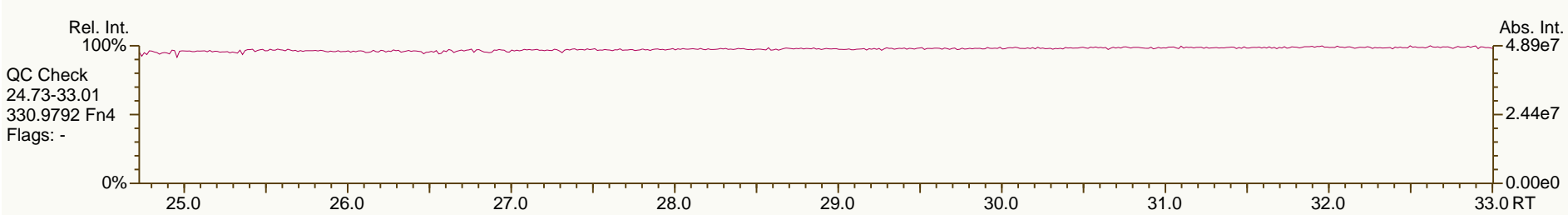
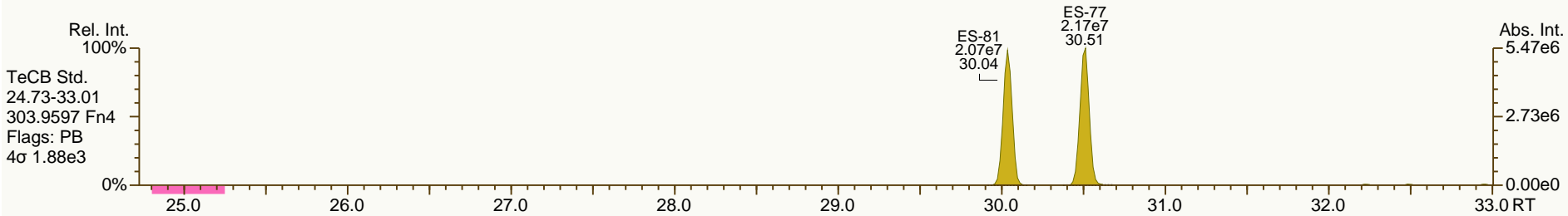
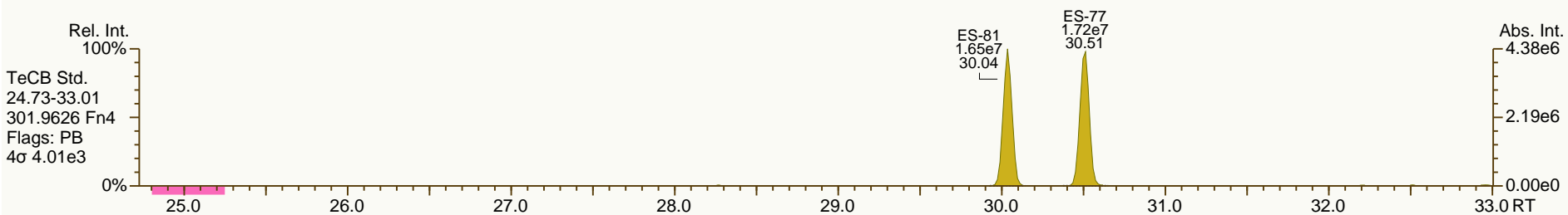
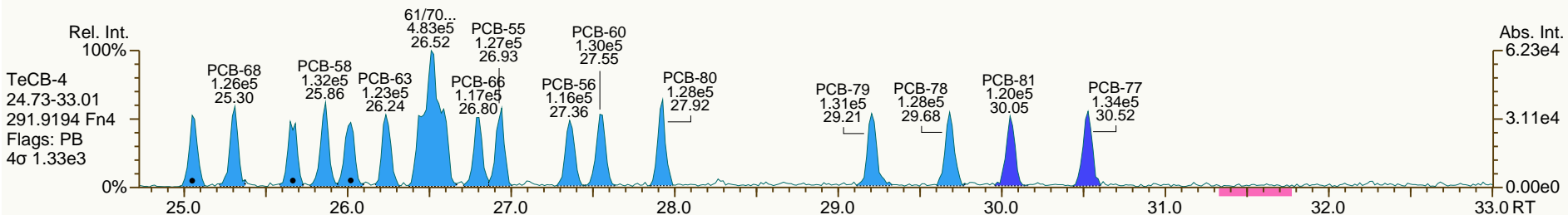
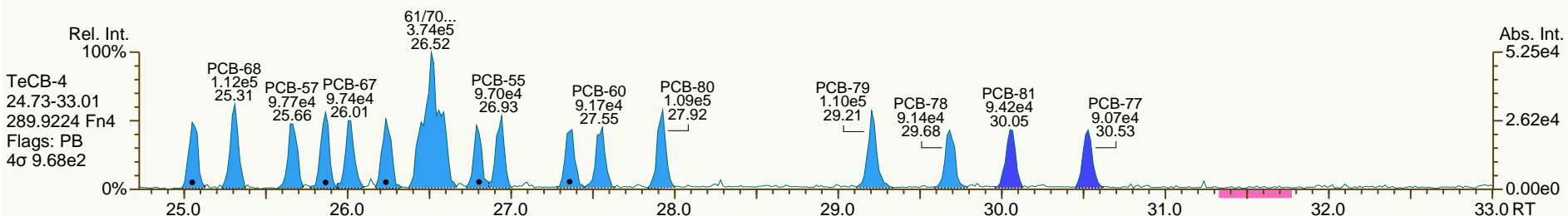
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

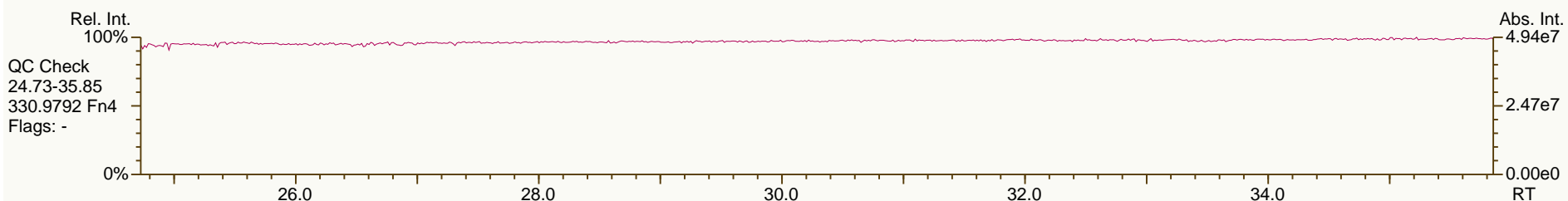
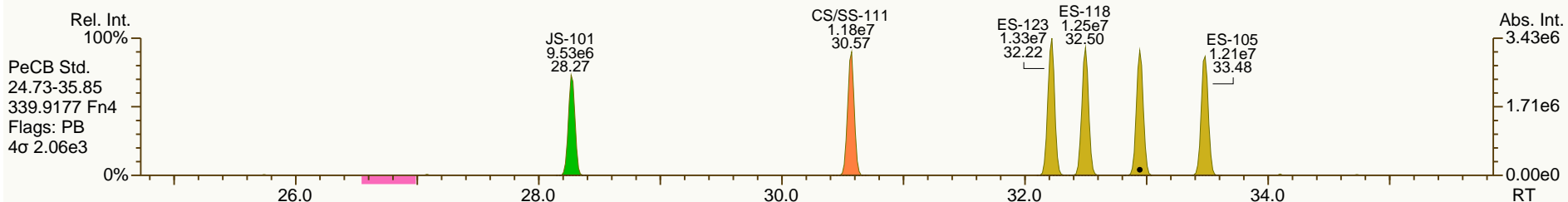
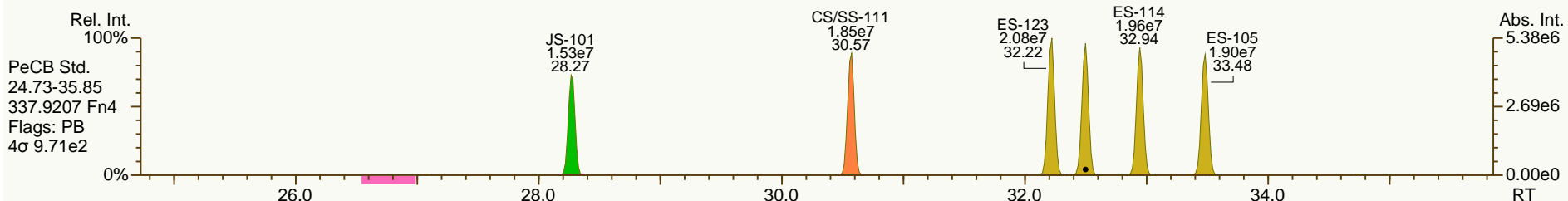
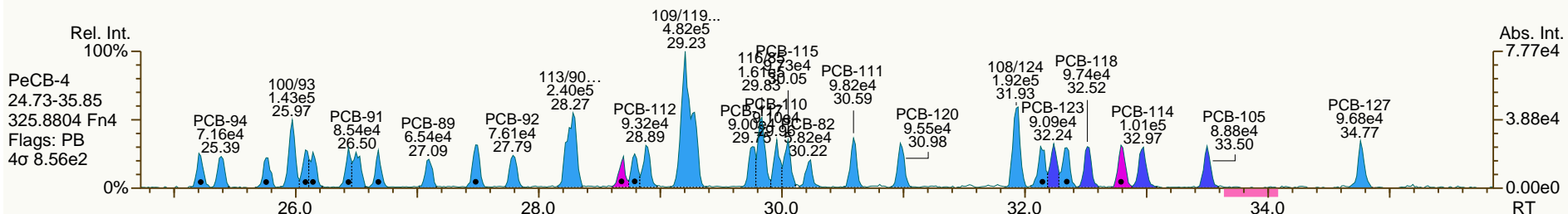
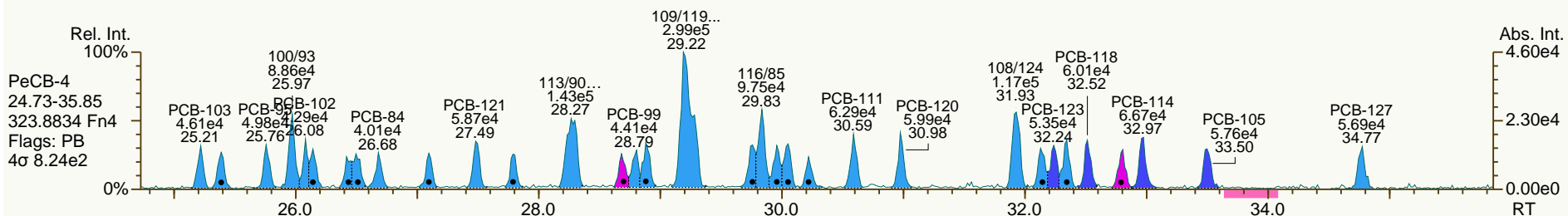
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

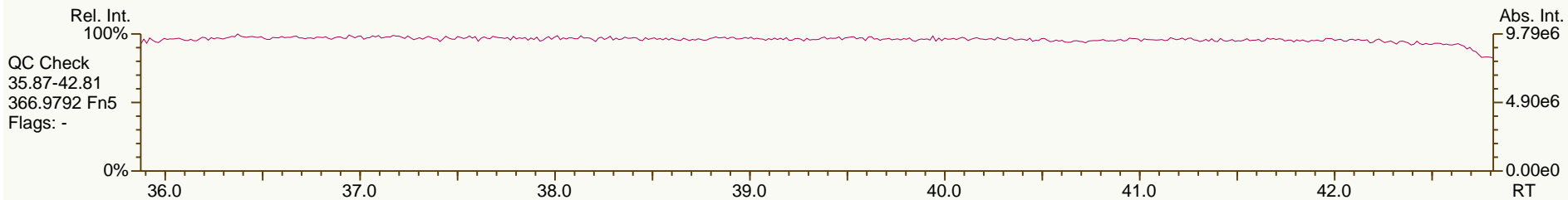
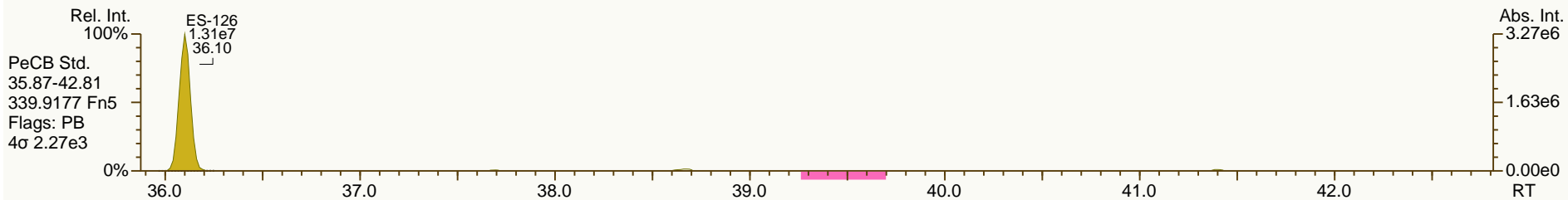
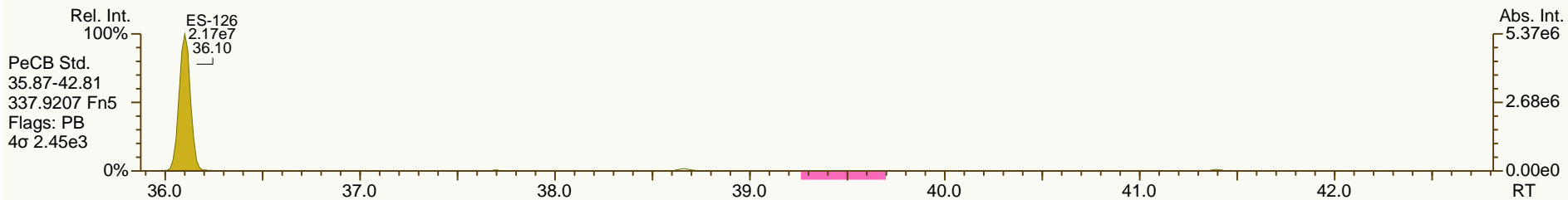
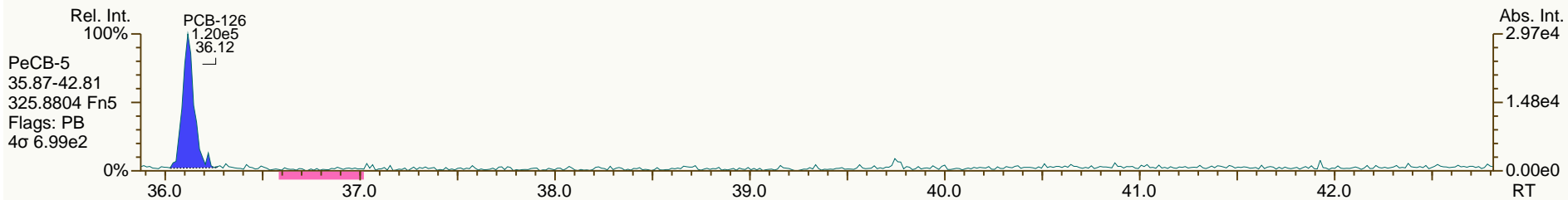
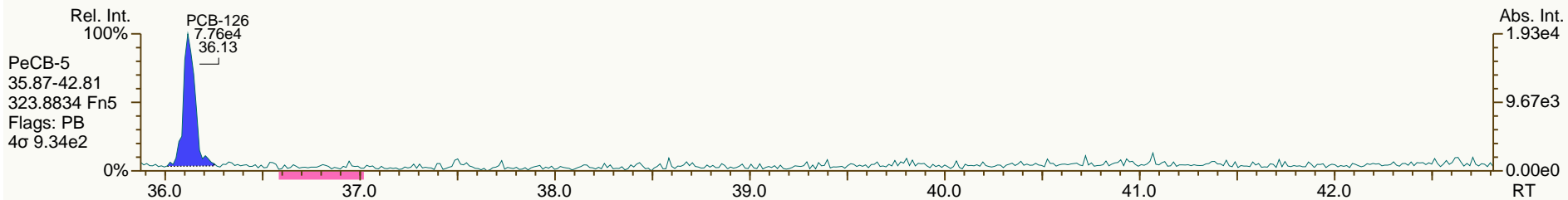
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

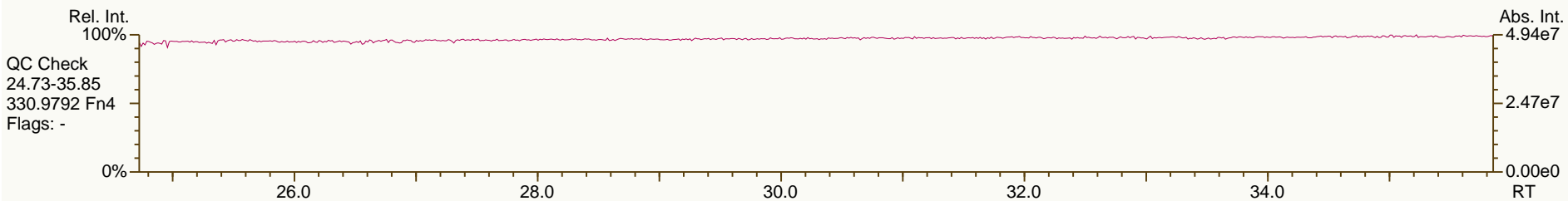
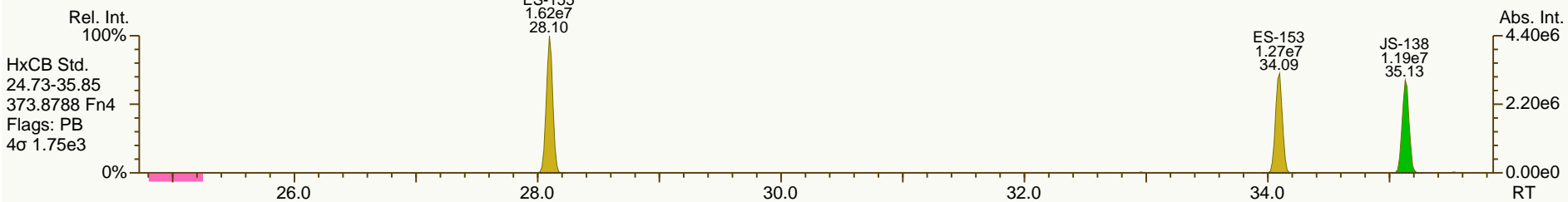
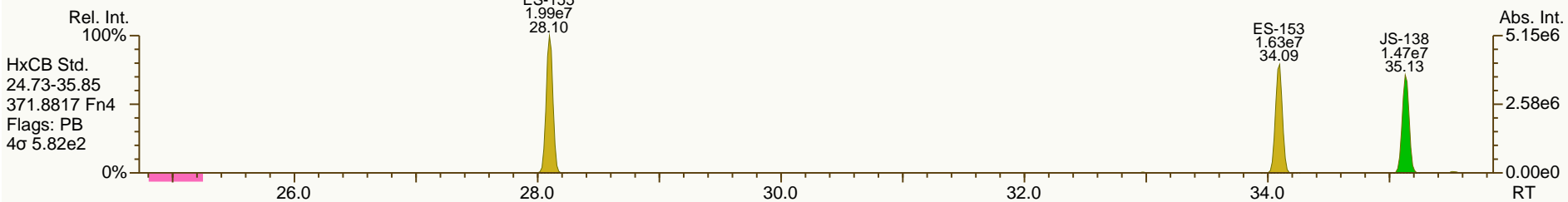
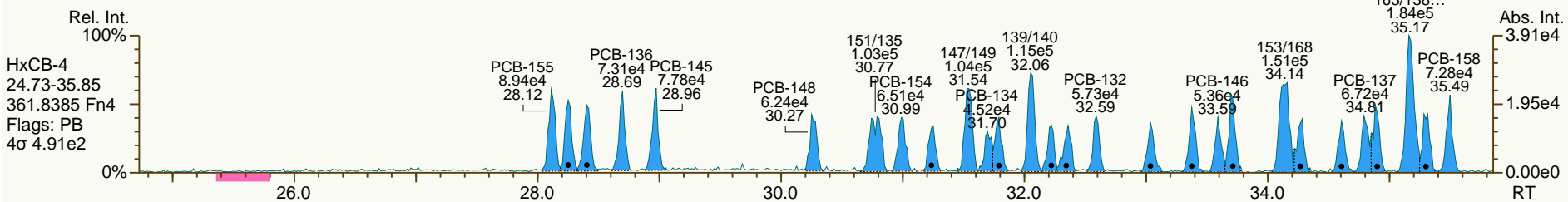
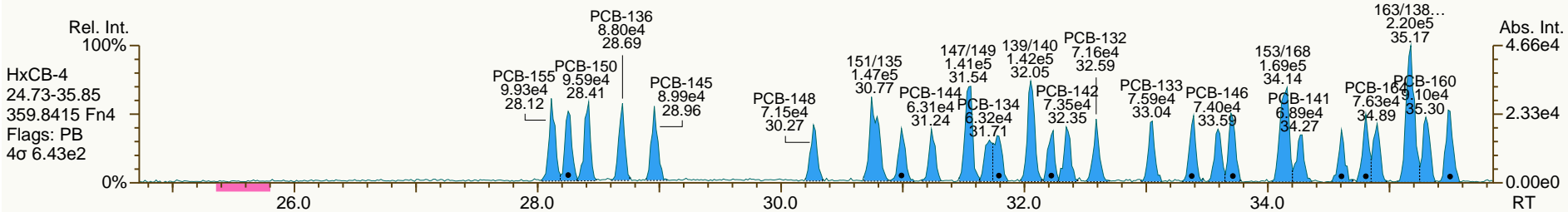
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

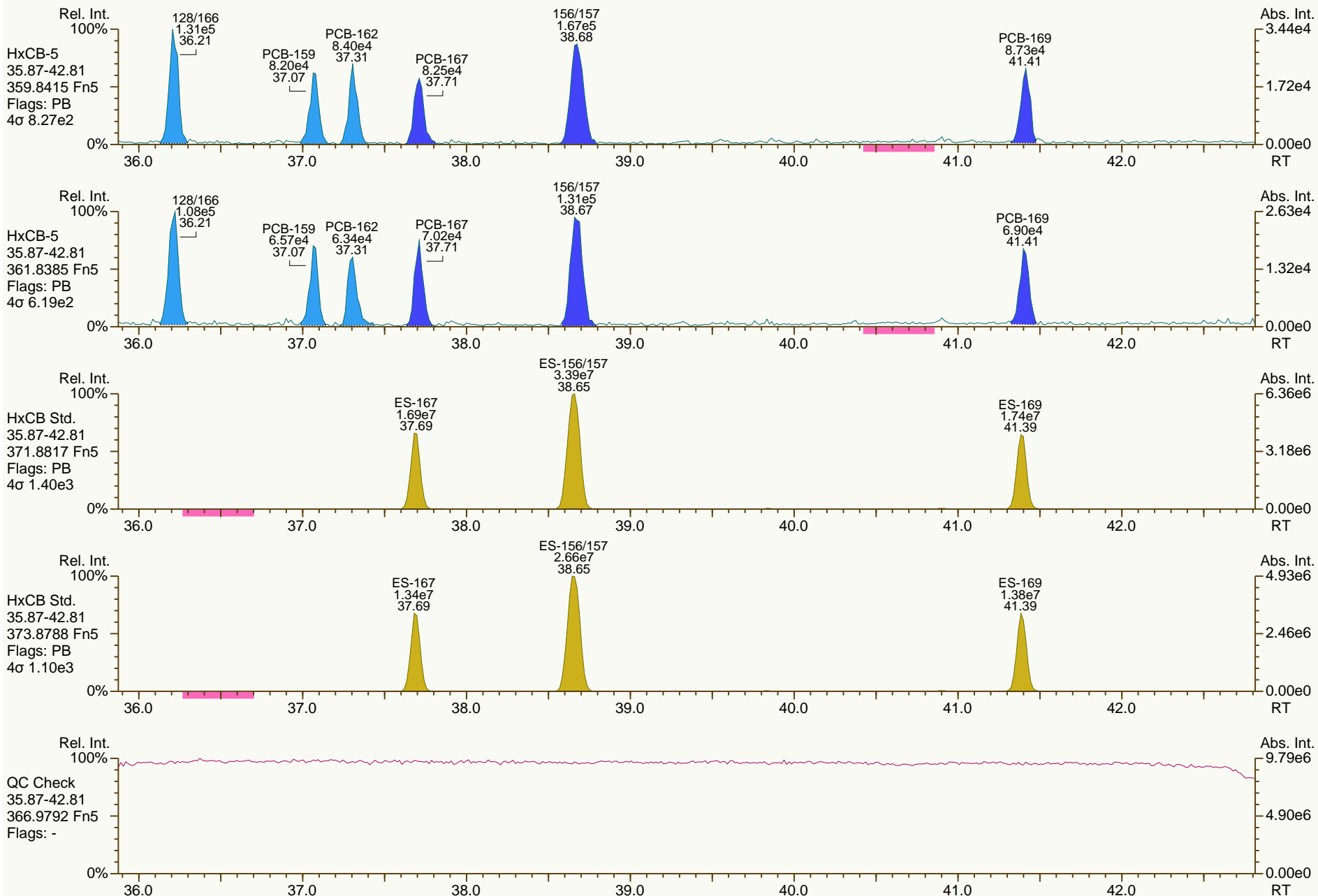
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

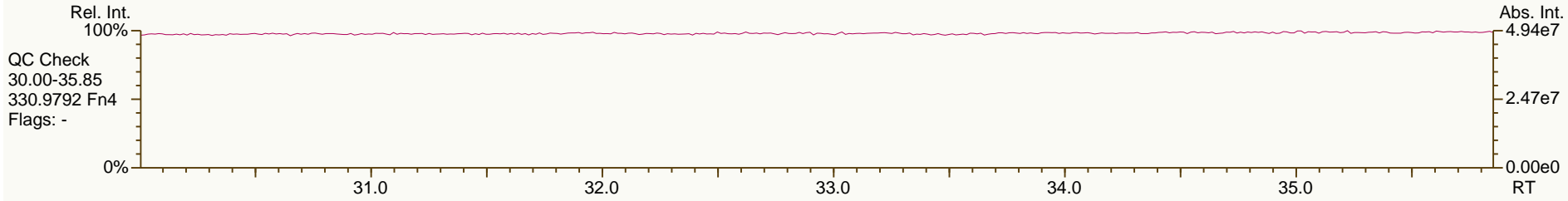
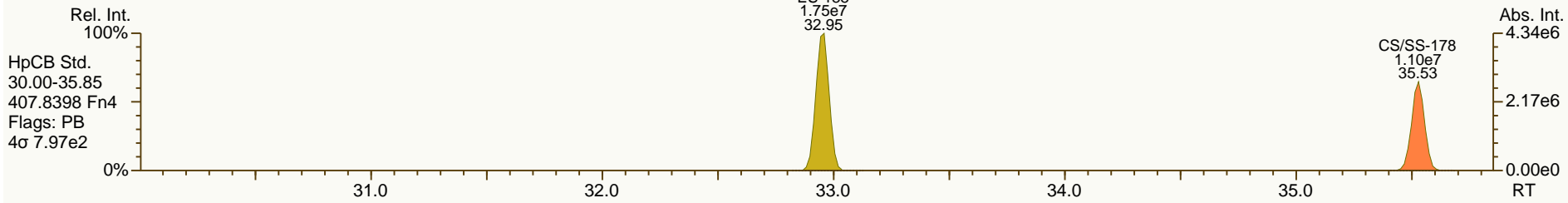
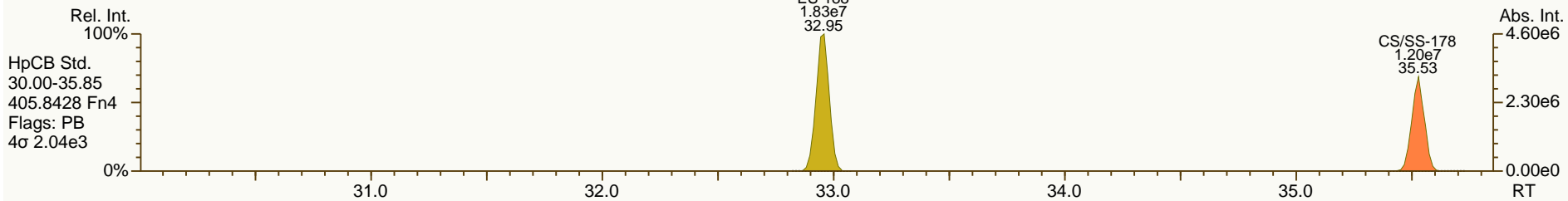
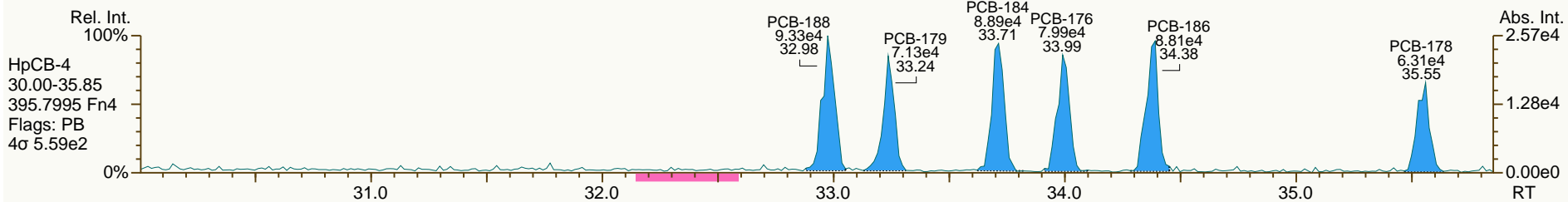
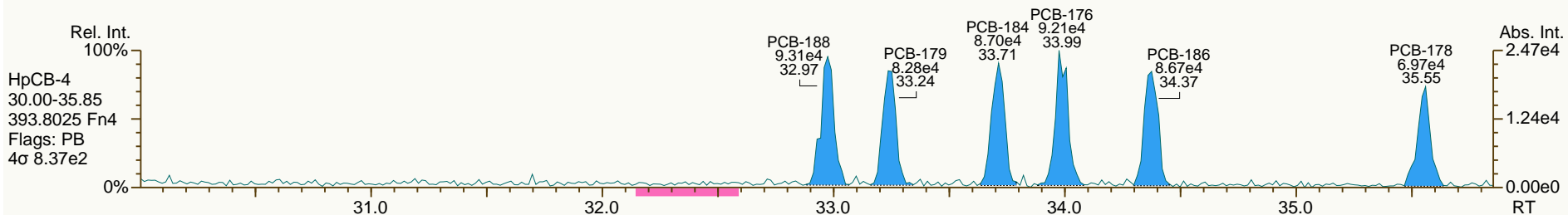
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

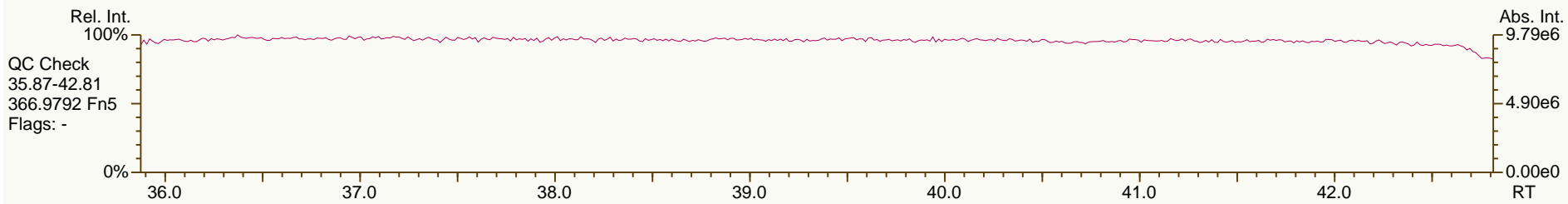
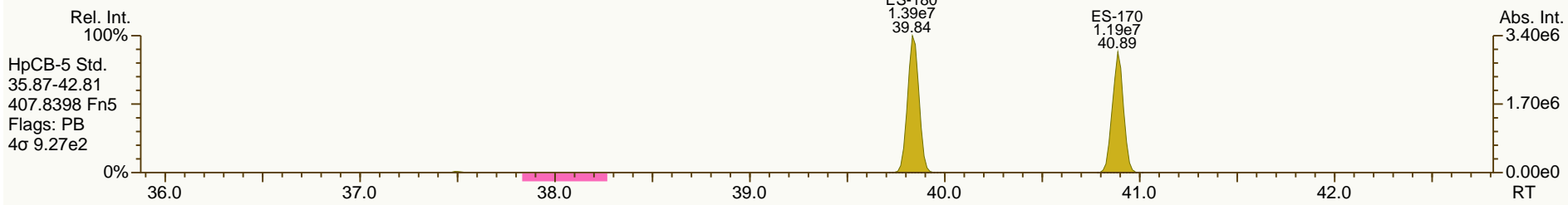
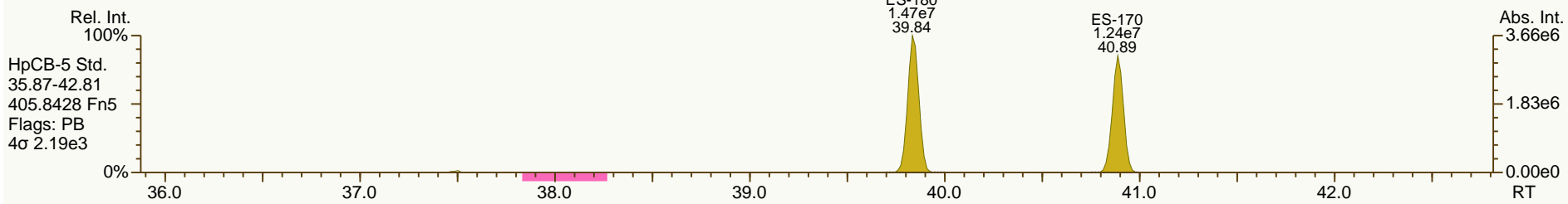
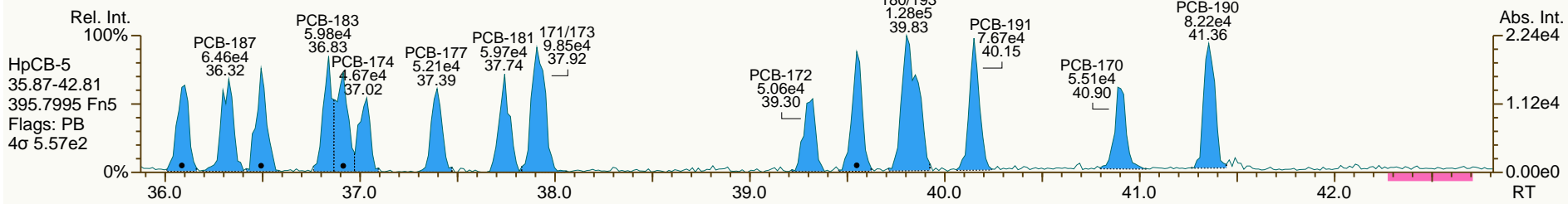
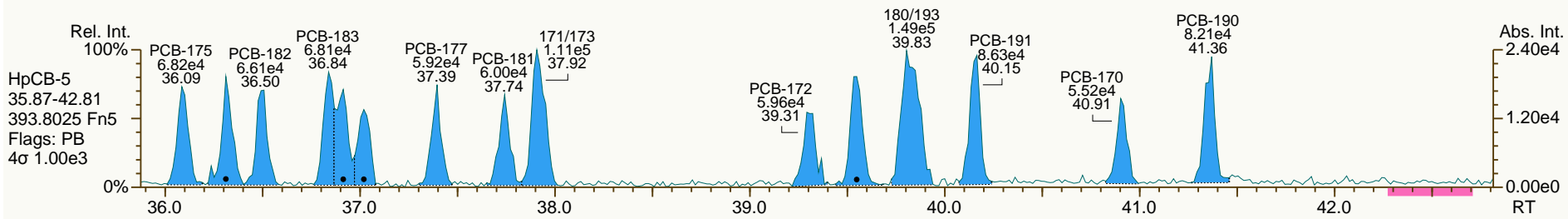
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

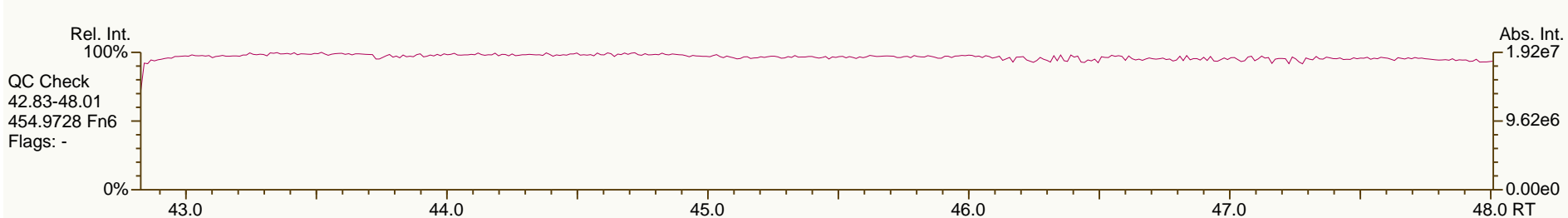
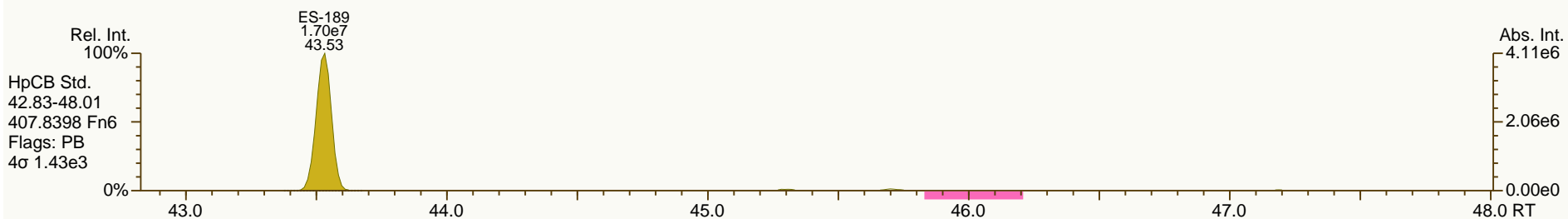
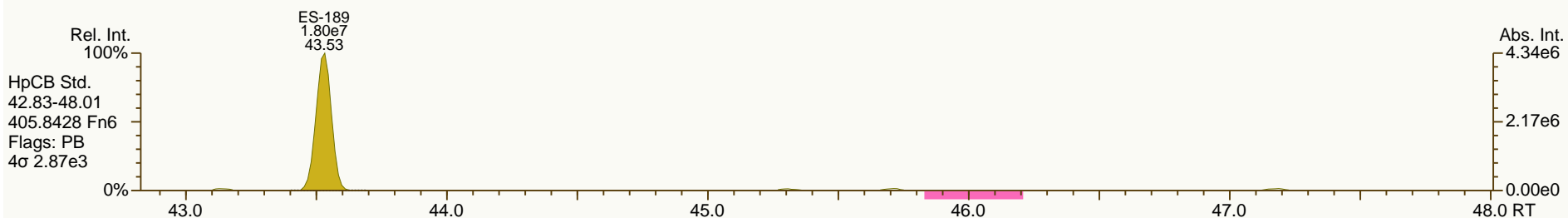
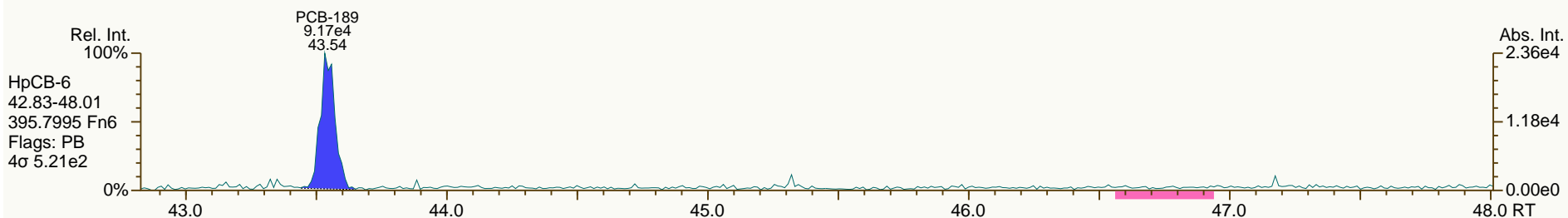
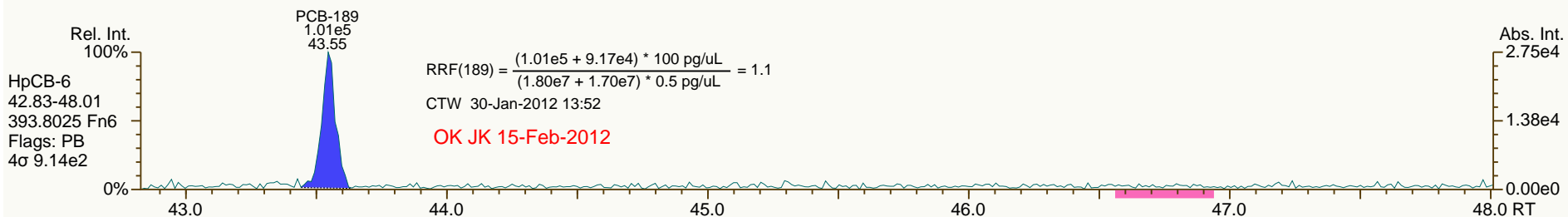
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

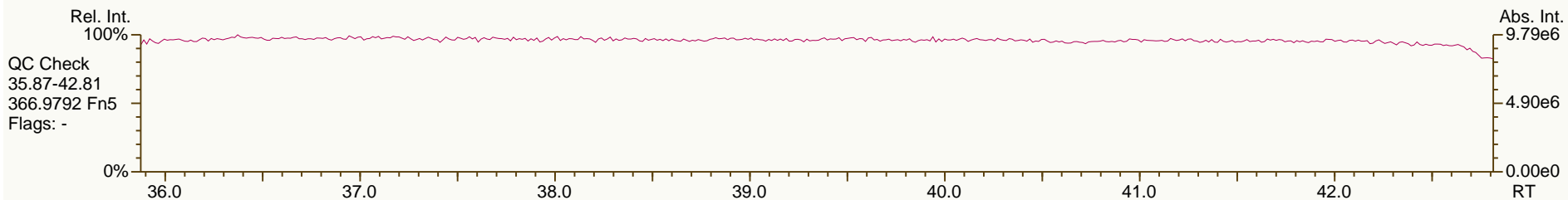
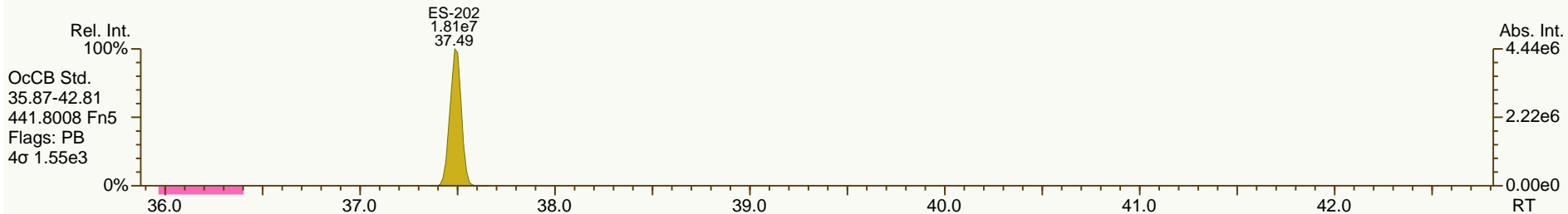
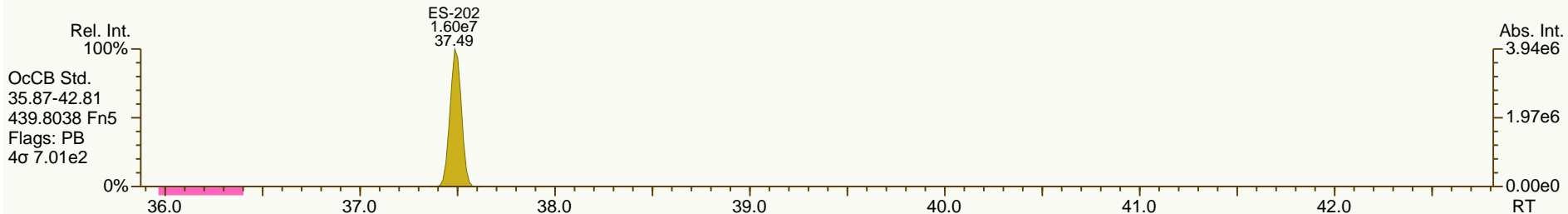
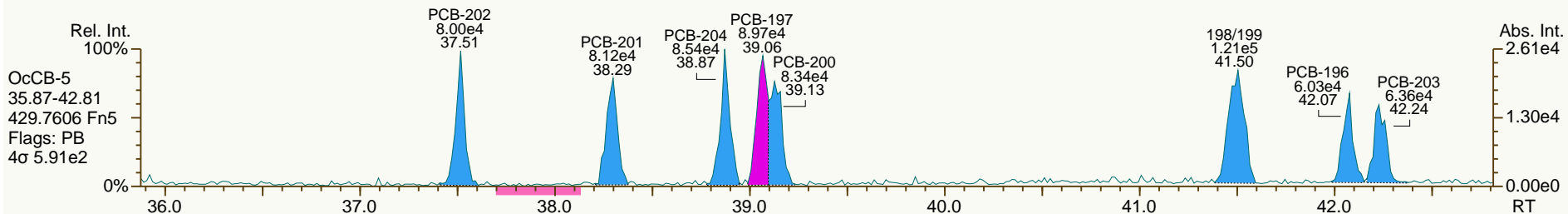
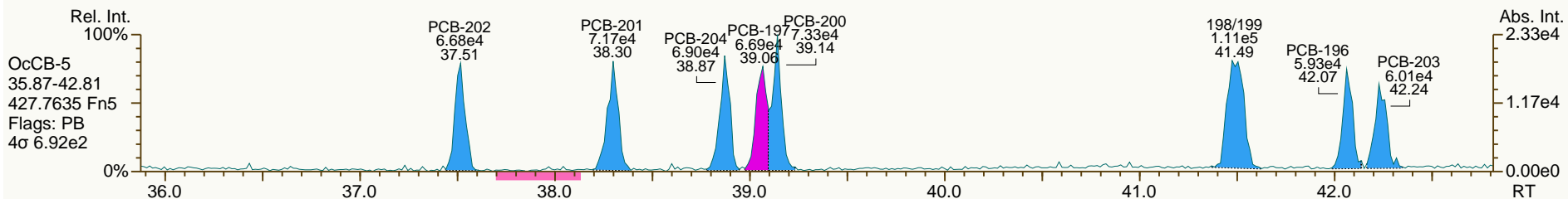
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

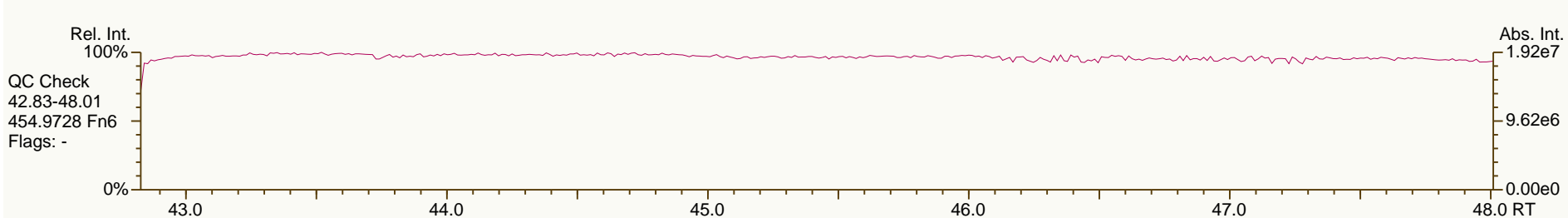
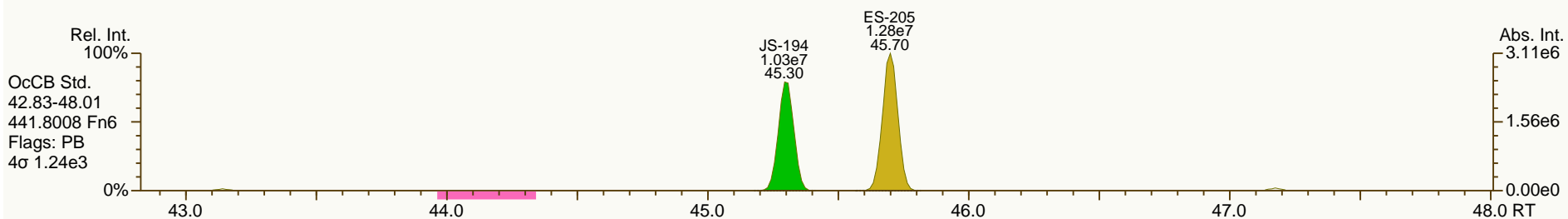
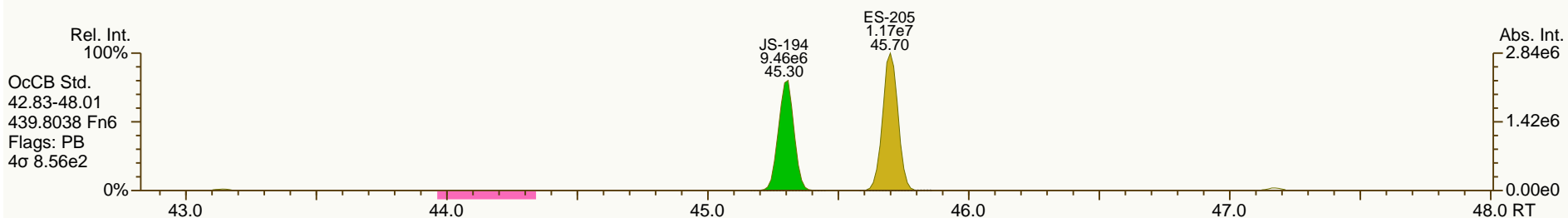
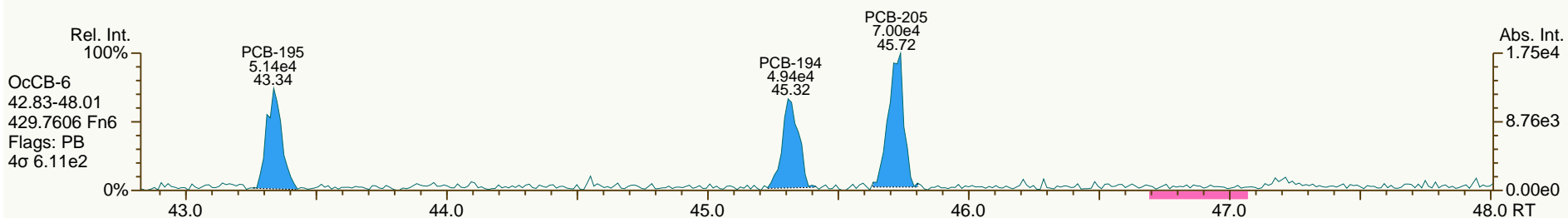
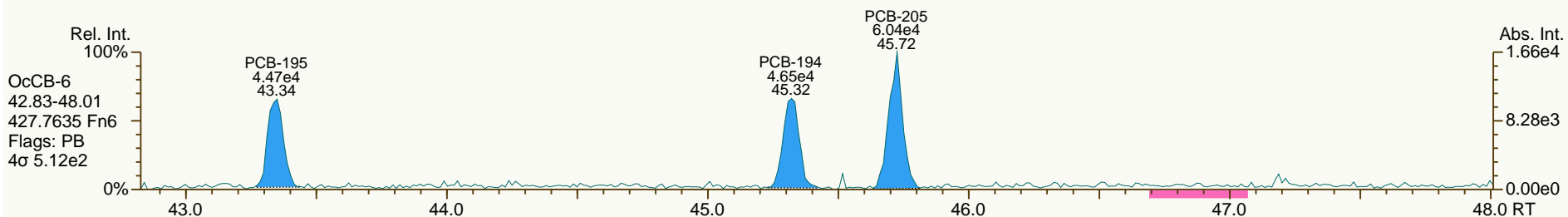
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

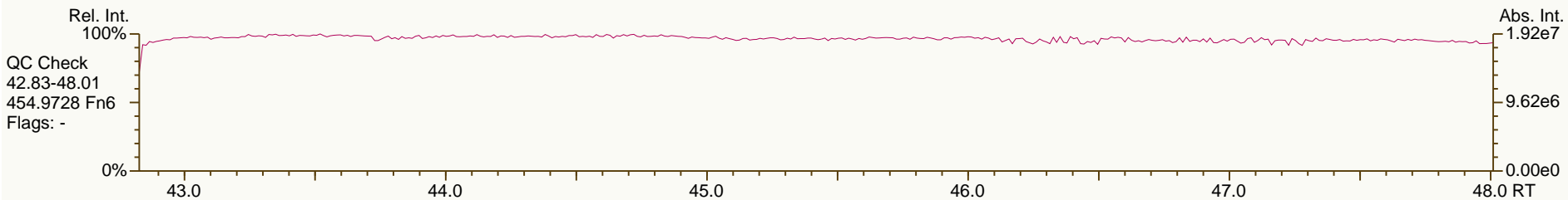
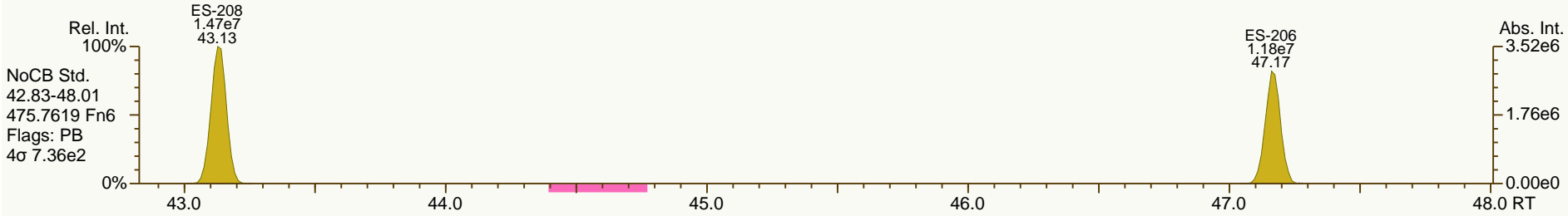
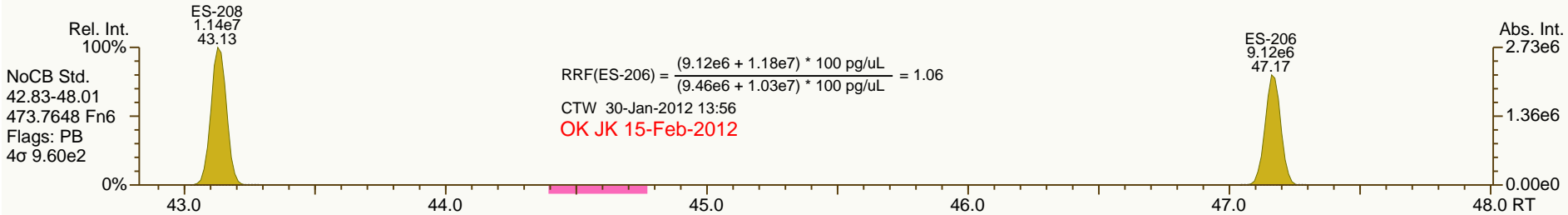
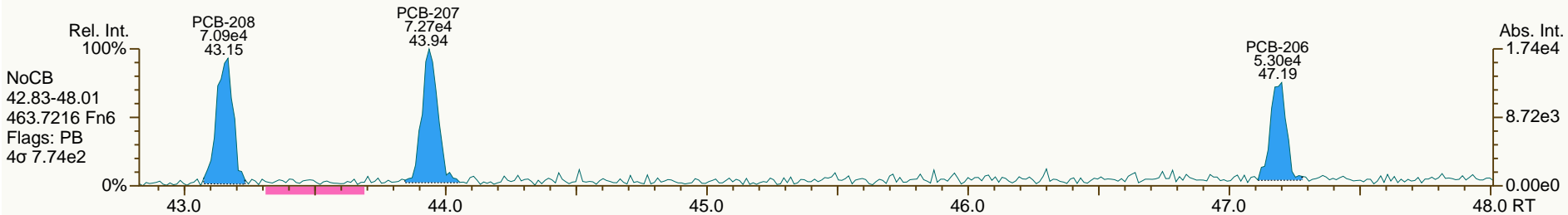
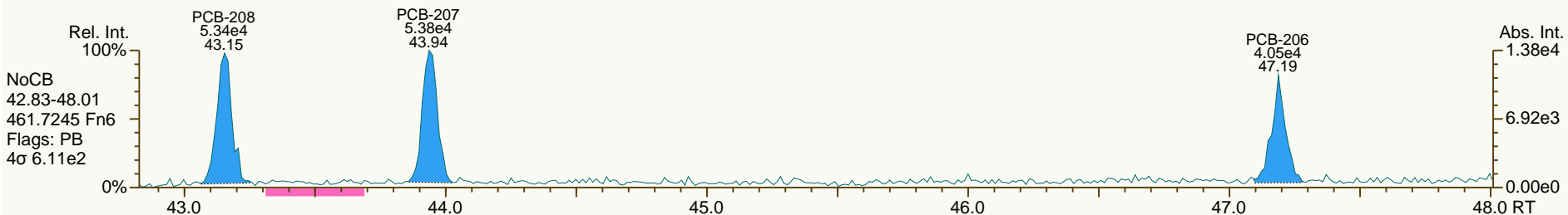
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

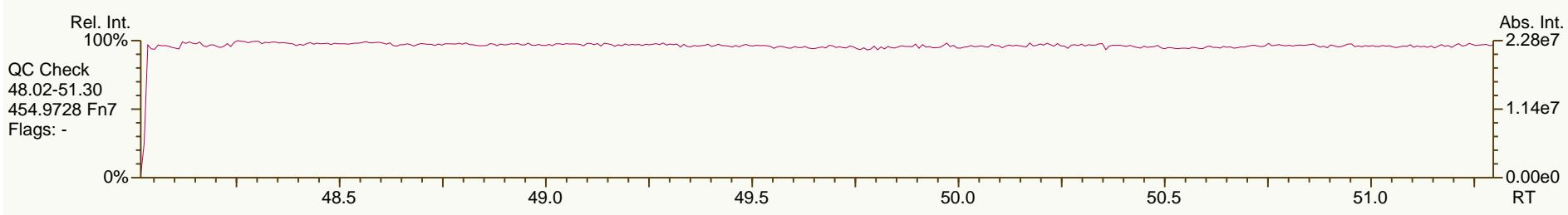
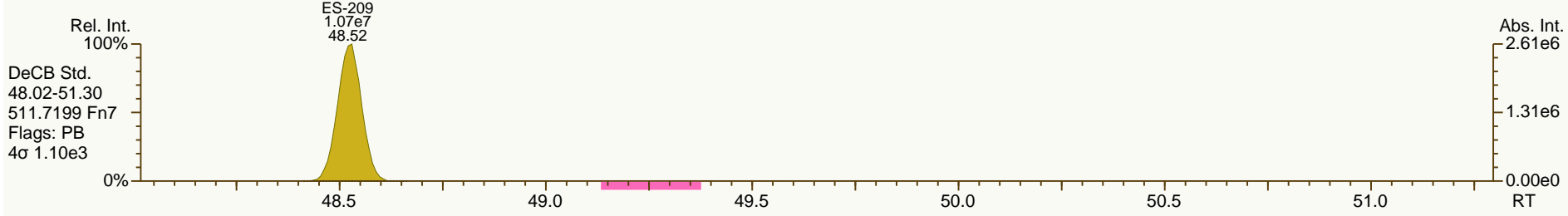
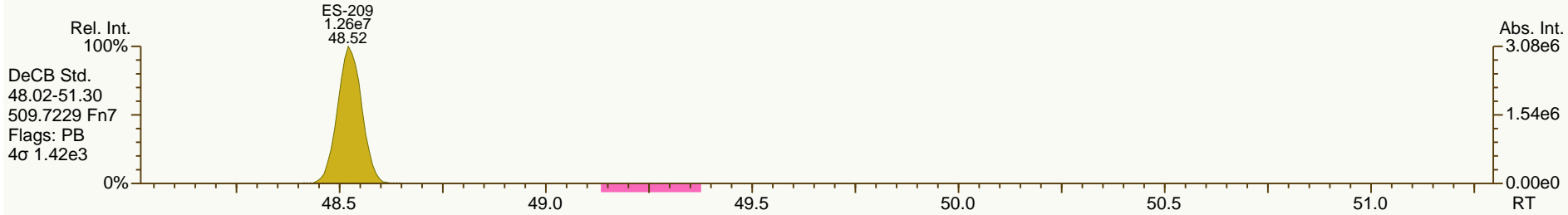
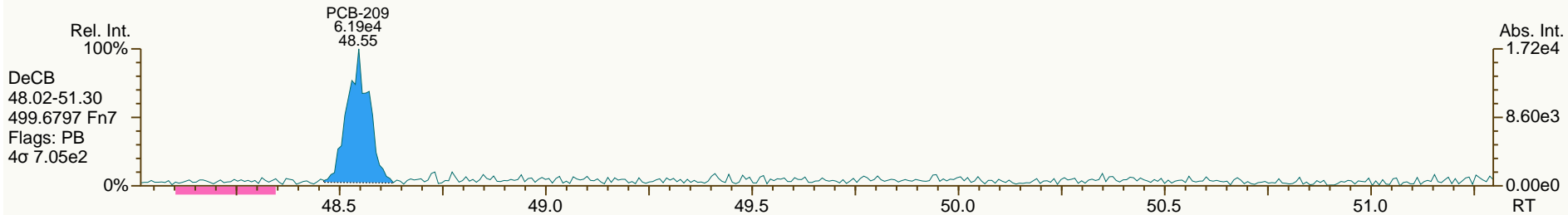
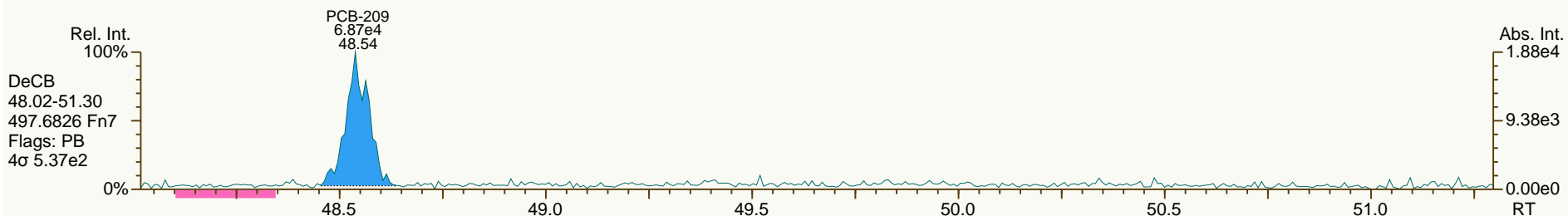
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:04							
Datafile:	120126S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%		
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%		
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%		
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%		
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%		
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%		
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%		
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%		
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%		
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%		
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%		
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%		
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%		
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%		
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%		
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%		
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%		
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%		
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%		
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%		
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%		
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%		
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%		
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%		
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%		
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%		
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%		
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%		
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%		
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%		
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%		
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%		
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%		
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%		
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%		
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%		
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%		
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%		
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%		
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83		-1.1%
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82		-5.0%
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03		-5.6%
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73		-5.2%
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71		-1.5%
PCB-71/40 23'4'6'/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78		-4.6%
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11		-5.2%
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16		-7.1%
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35		-0.6%
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17		-4.6%
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18		-5.8%
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26		-1.4%
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29		-3.7%
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16		-6.7%
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17		-1.8%
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16		-4.4%
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13		-3.9%
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15		-7.2%
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32		-3.5%
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26		-7.9%
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15		-3.6%
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87		-4.8%
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77		-5.2%
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71		-7.9%
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69		-3.6%
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70		-5.4%
PCB-100/93 22'44'6'-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70		-6.8%
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82		9.1%
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53		-25.3%
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67		0.4%
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78		-7.6%
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57		-12.5%
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69		0.0%
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96		-2.7%
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71		-0.2%
PCB-113/90/101 233'5'6'-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78		-3.3%
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62		-0.4%
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78		1.6%
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95		-1.3%
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77		-6.2%
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92		-2.2%
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77		-4.2%
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87		-5.0%

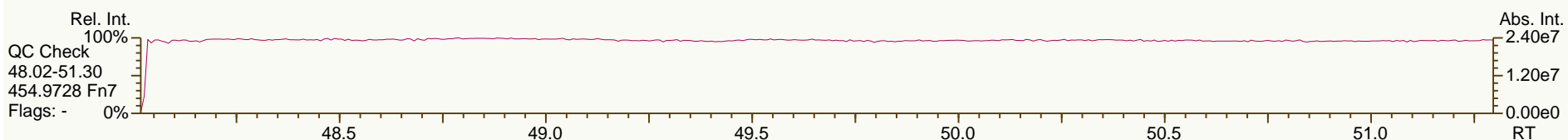
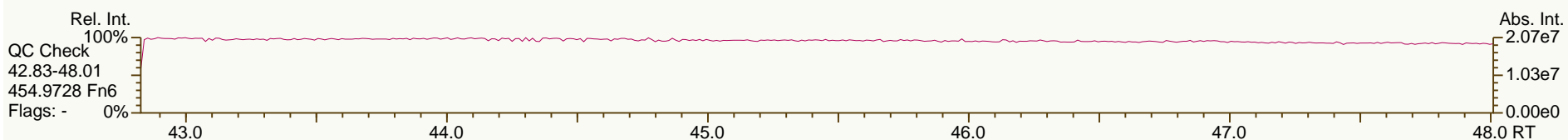
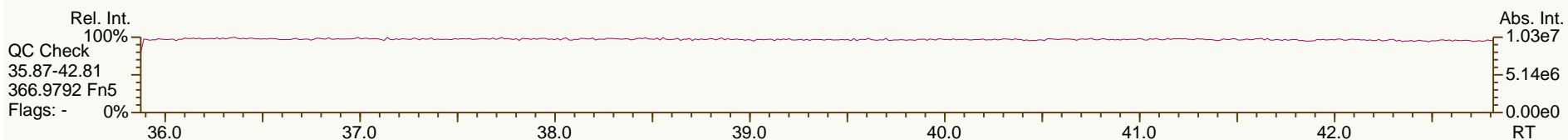
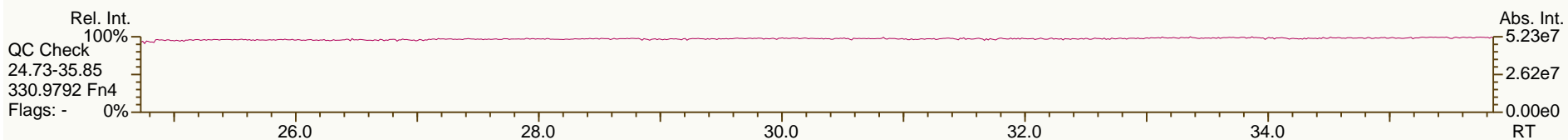
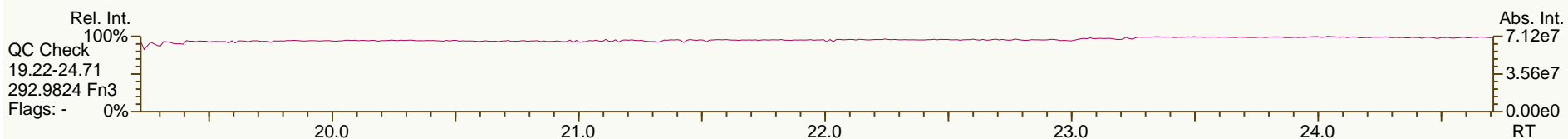
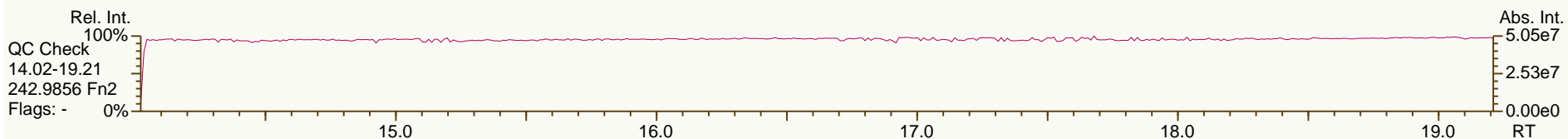
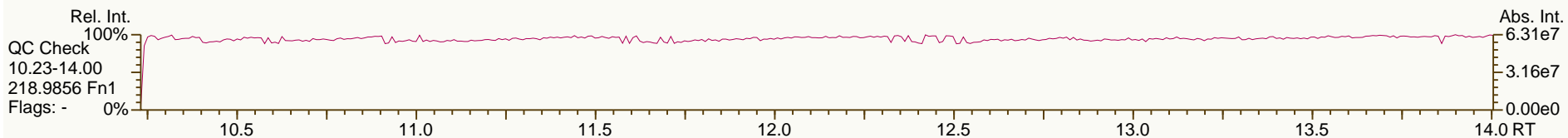
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'6'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'6'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'6'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'6'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
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Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

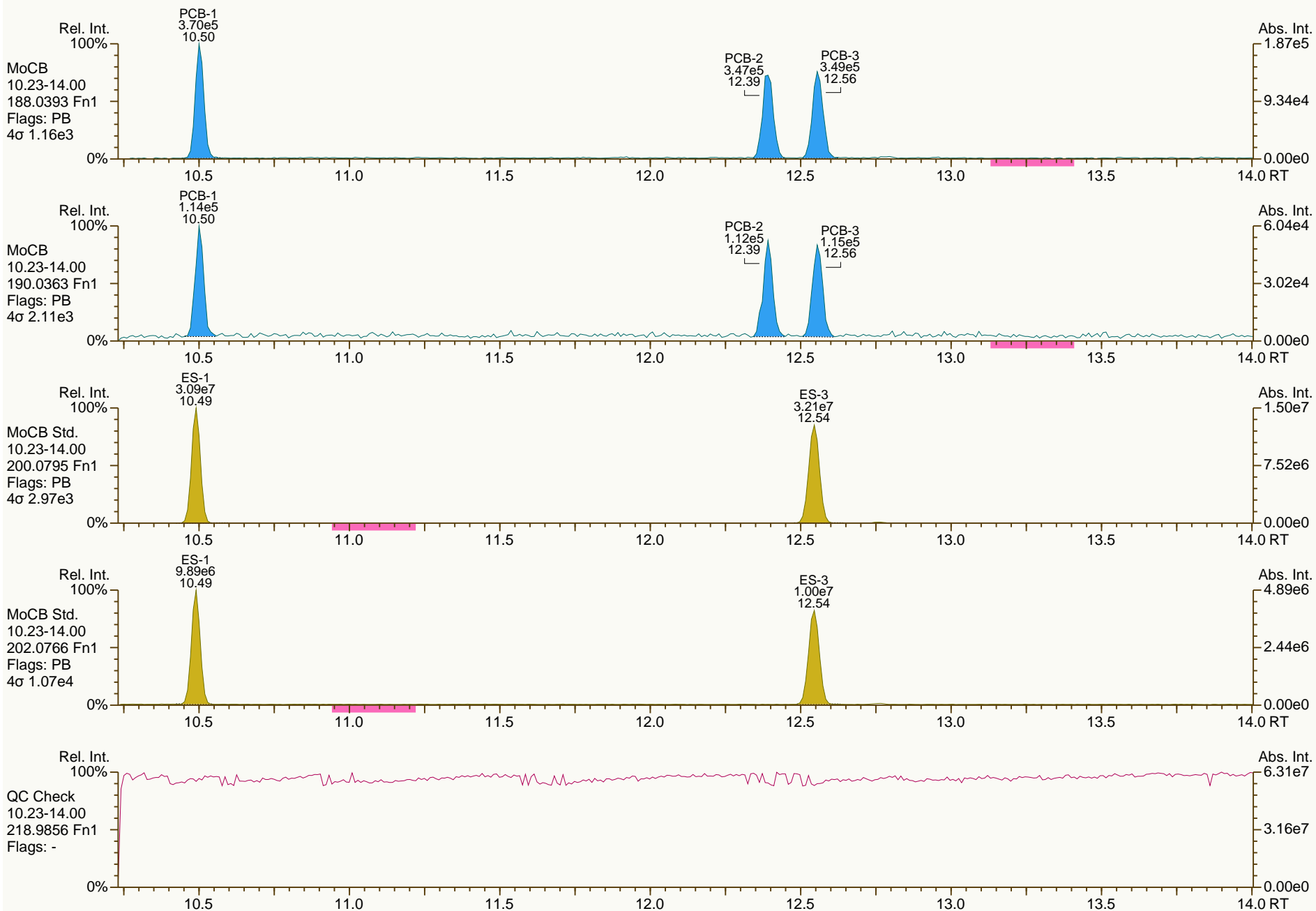
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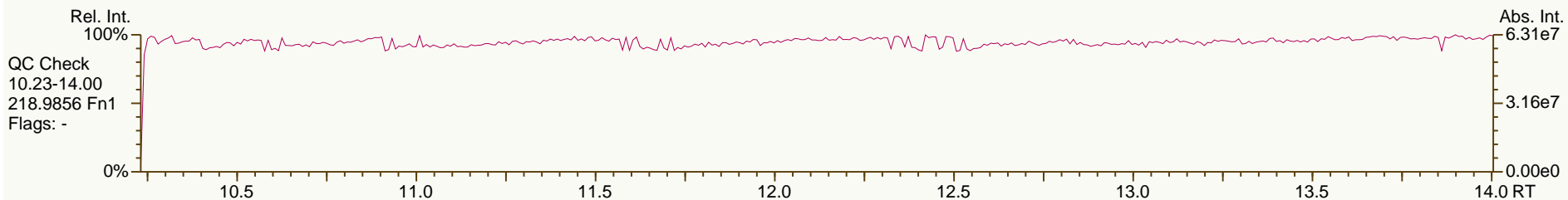
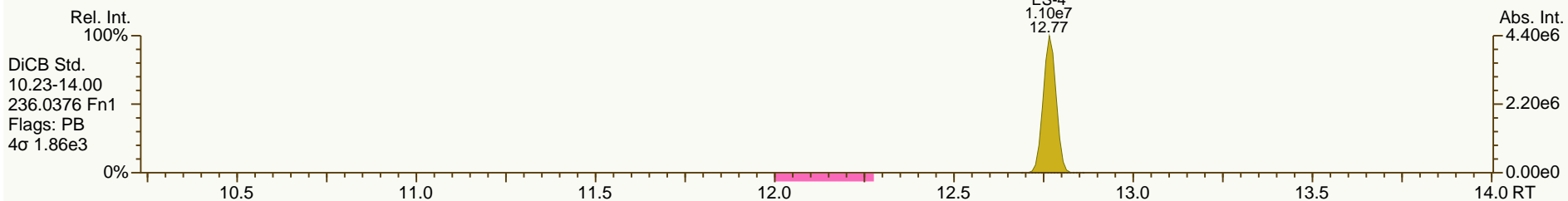
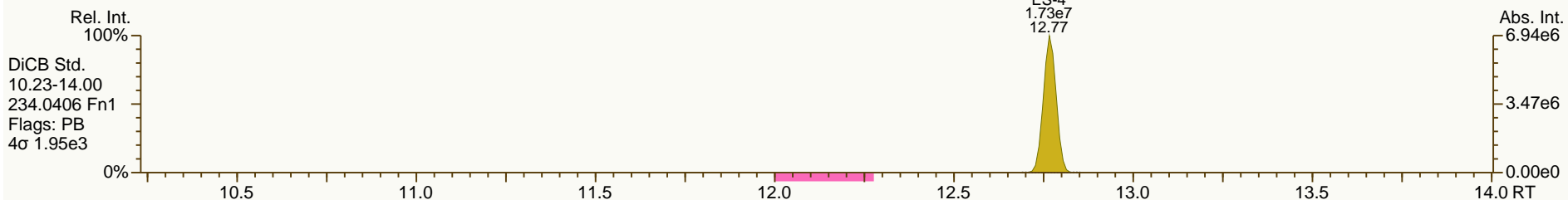
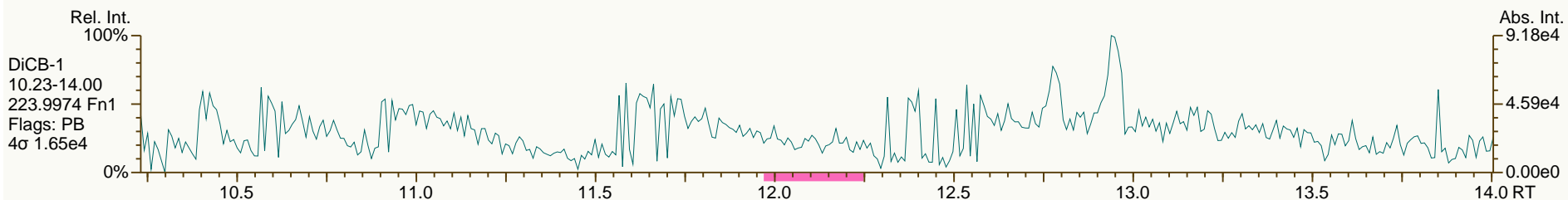
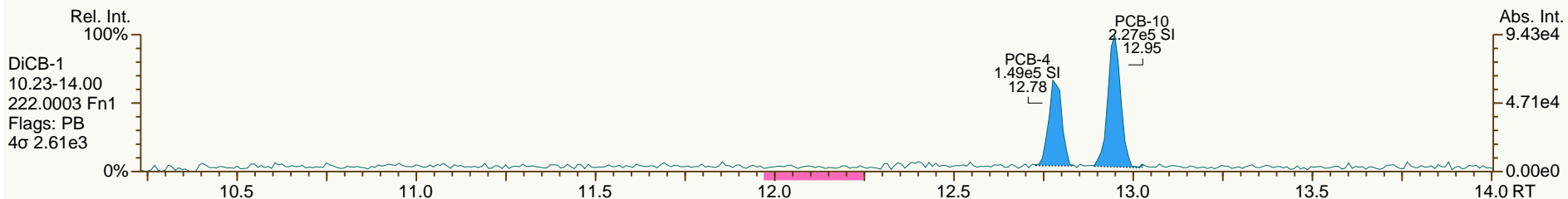
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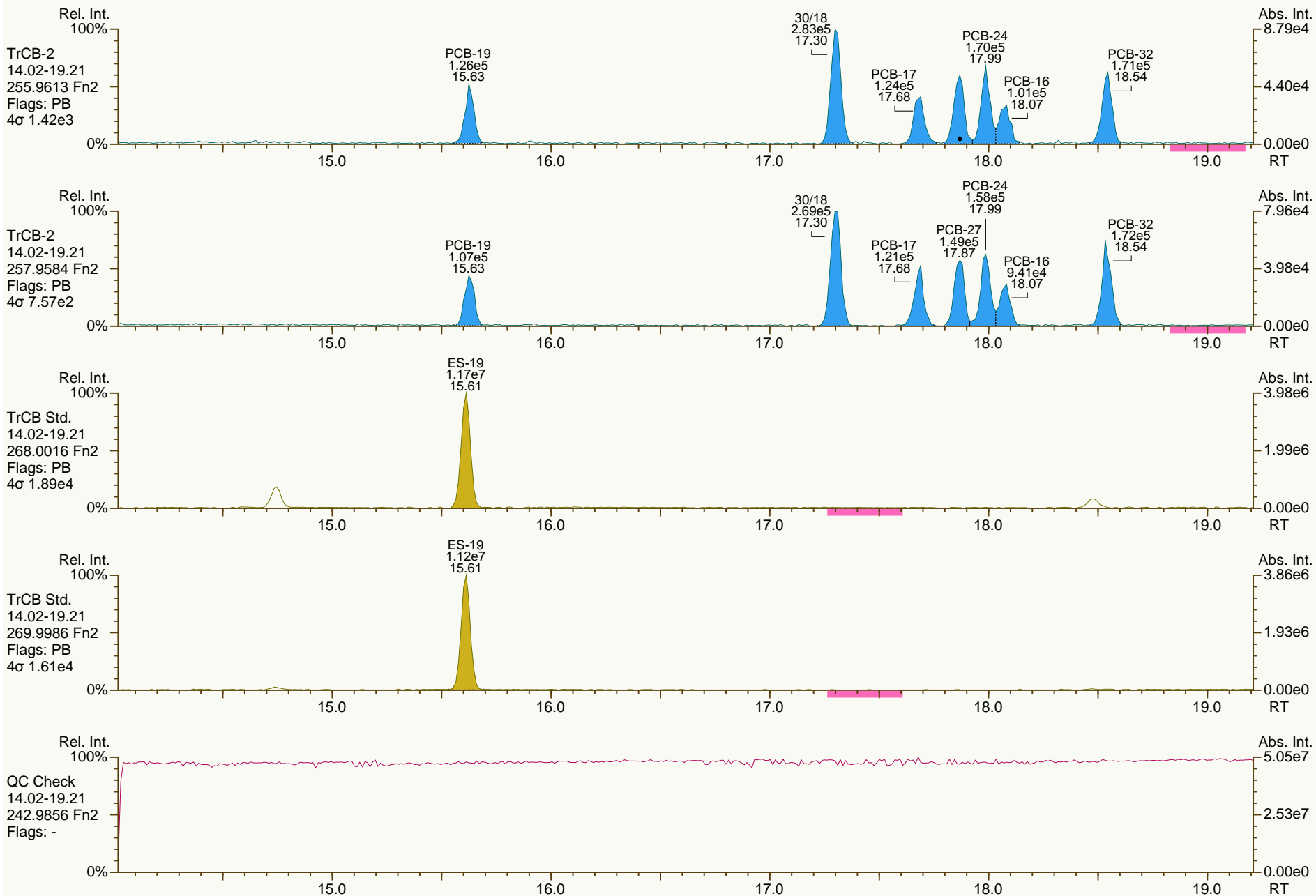
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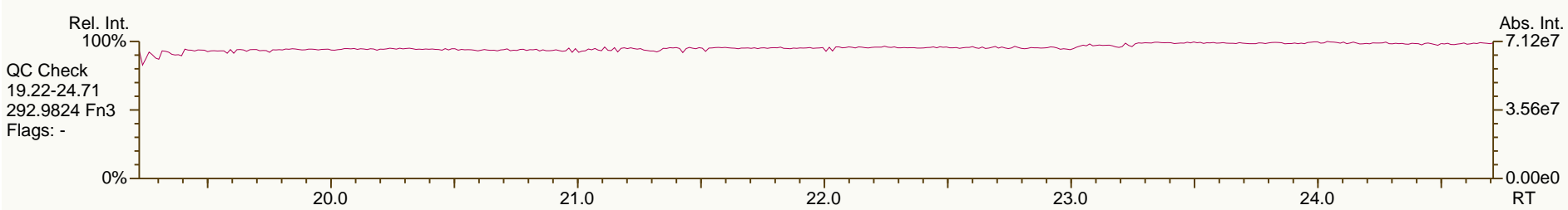
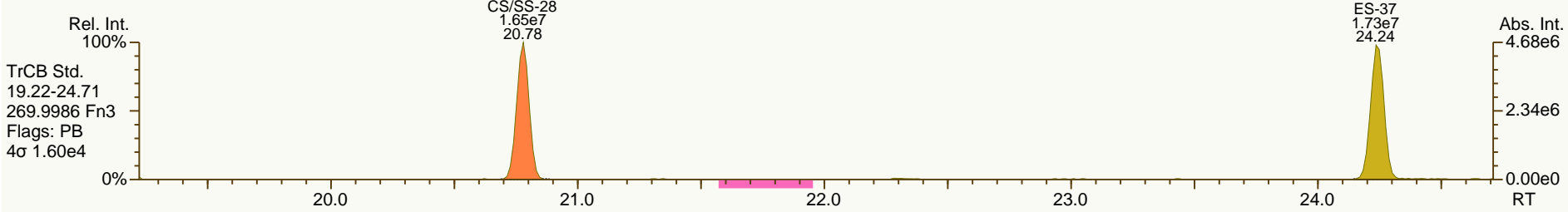
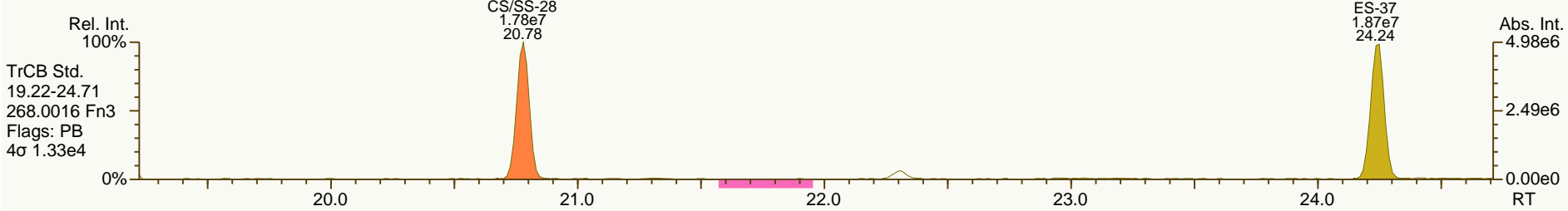
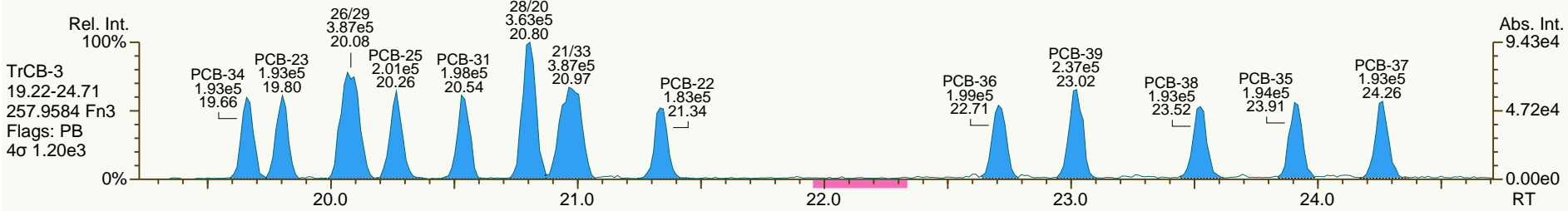
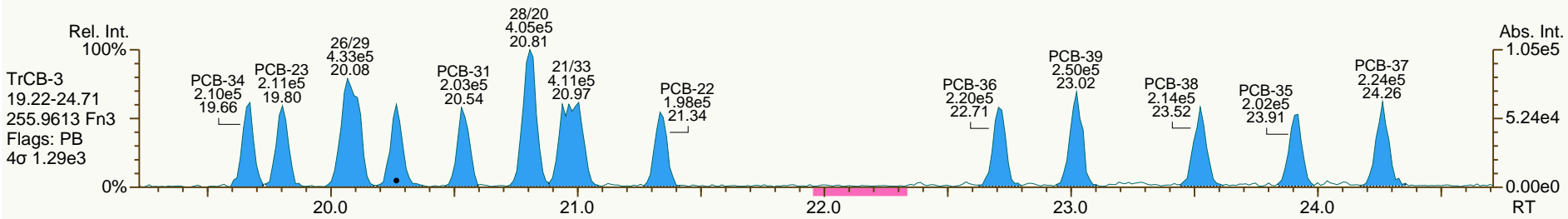
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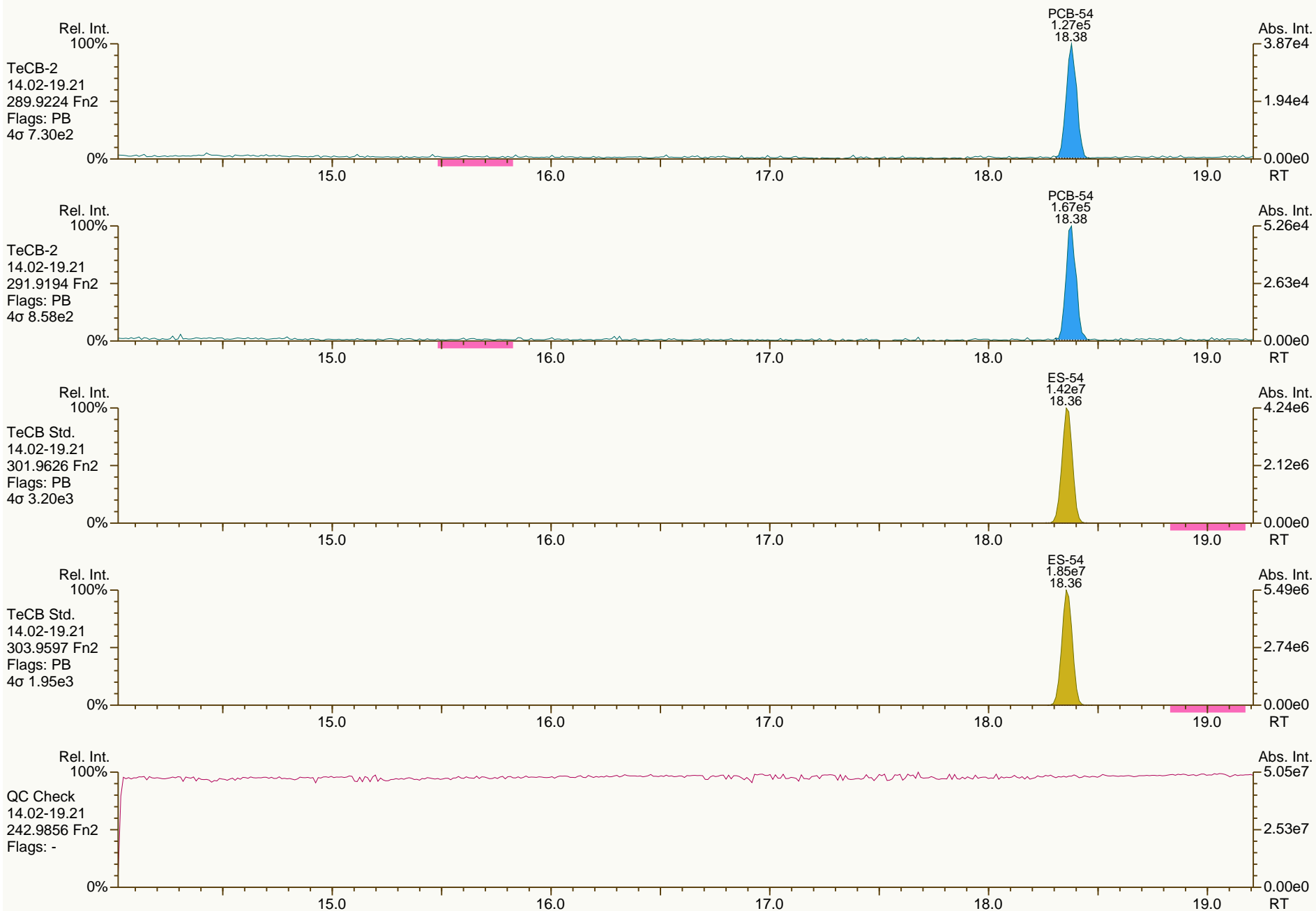
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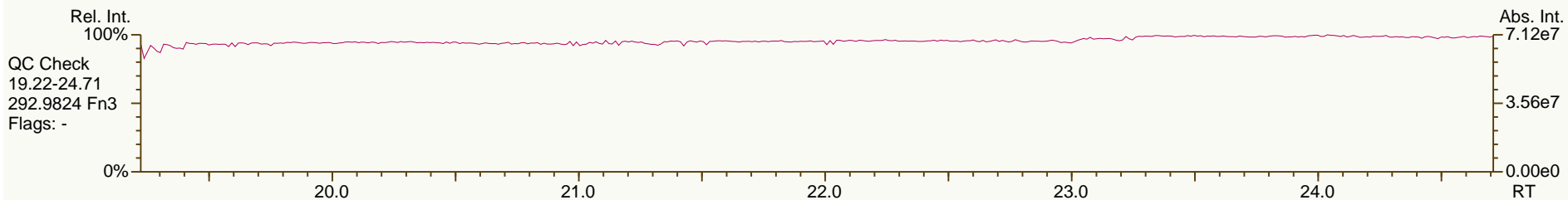
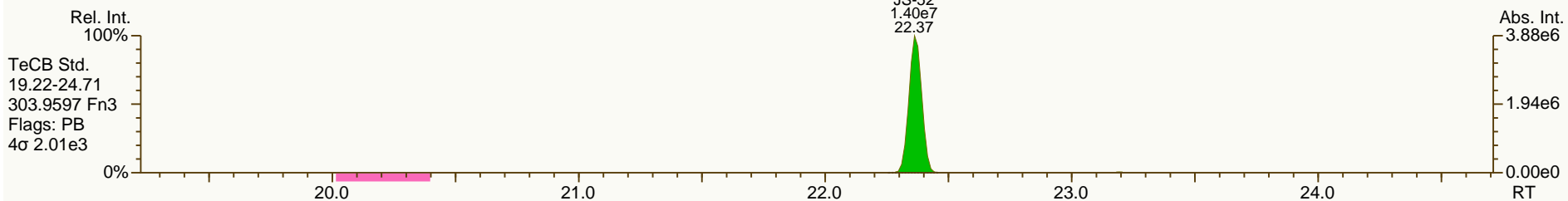
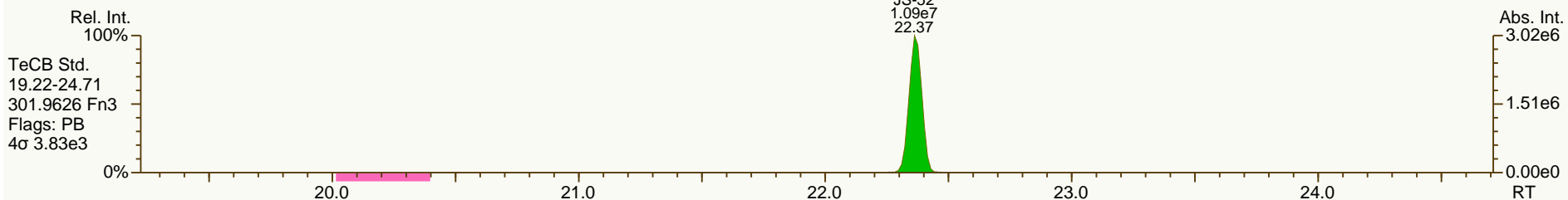
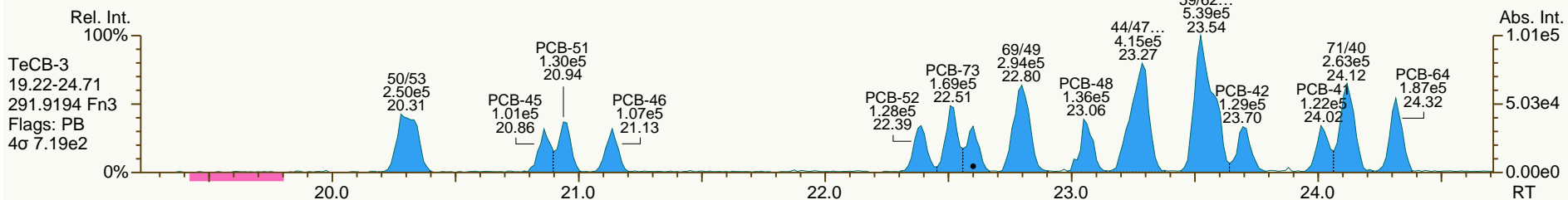
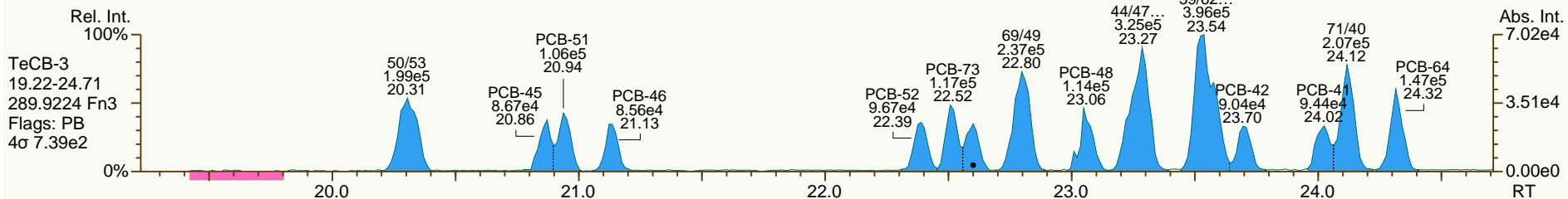
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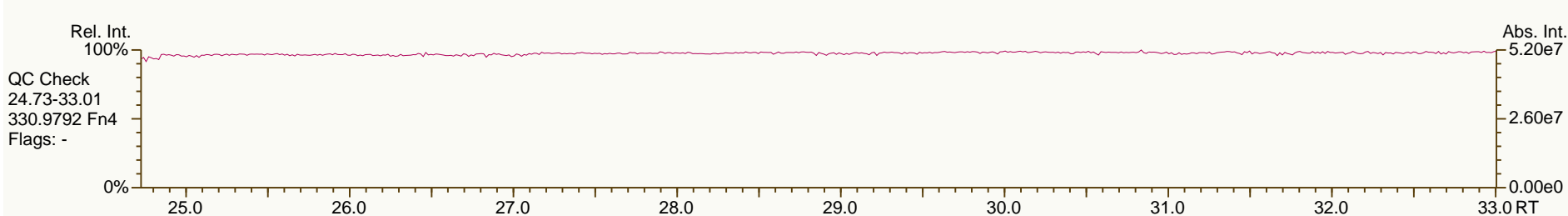
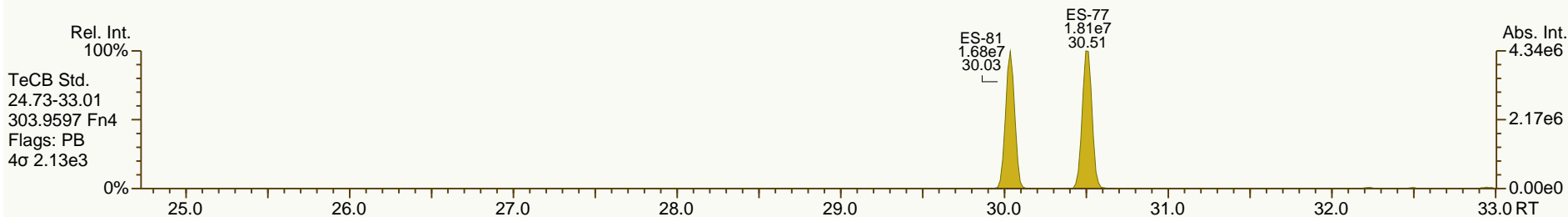
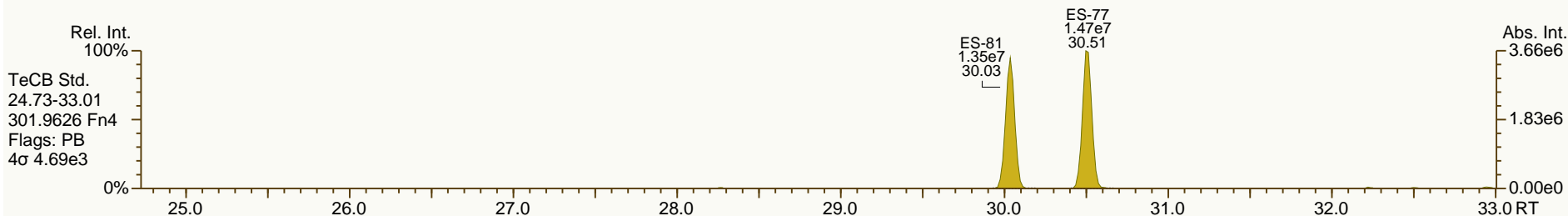
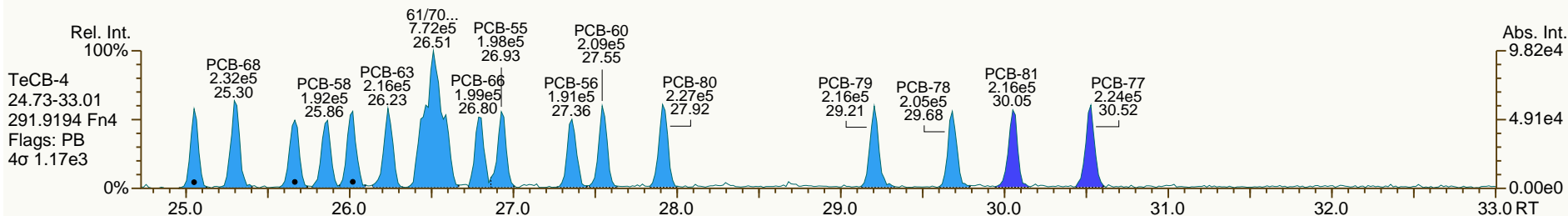
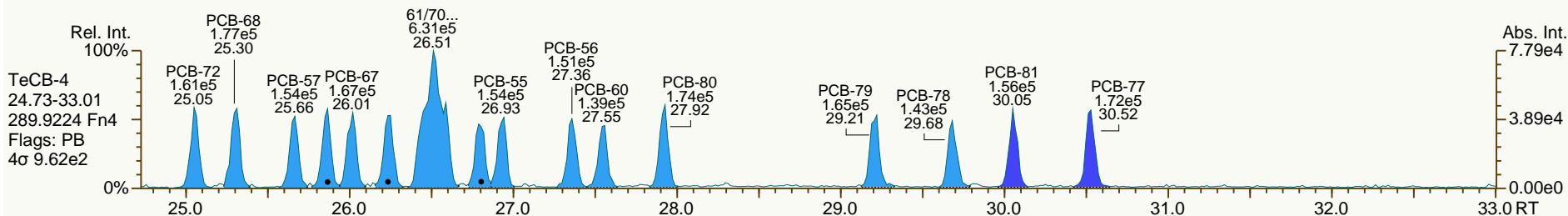
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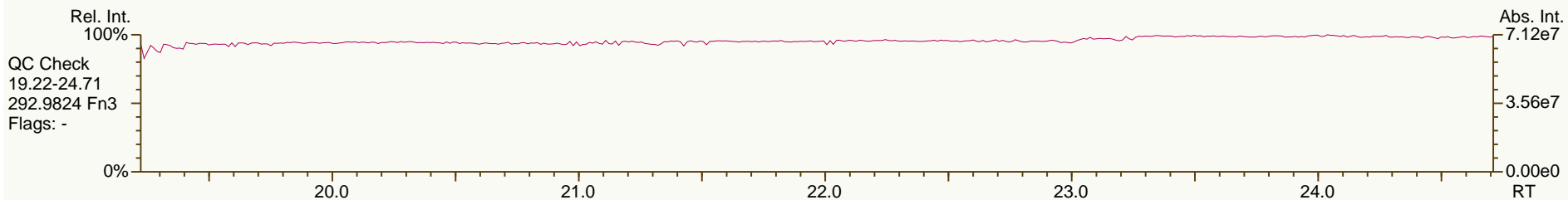
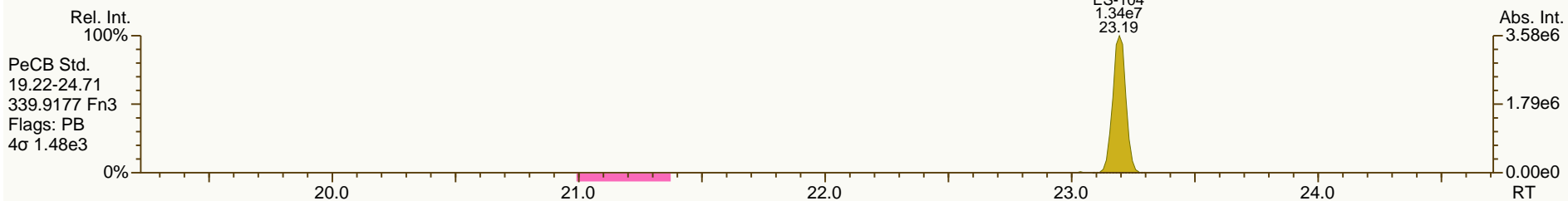
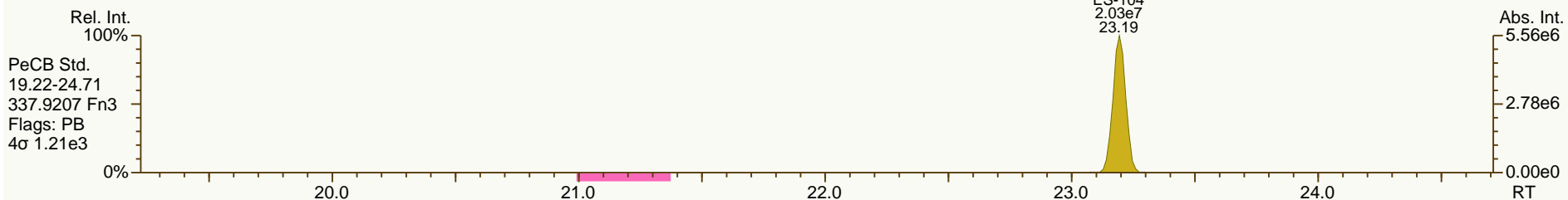
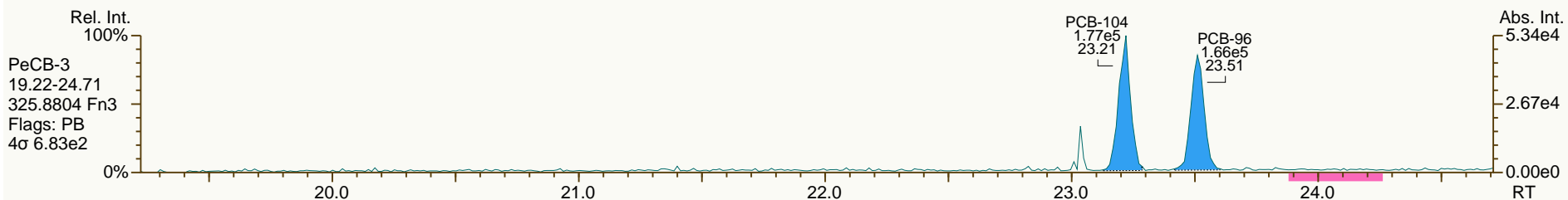
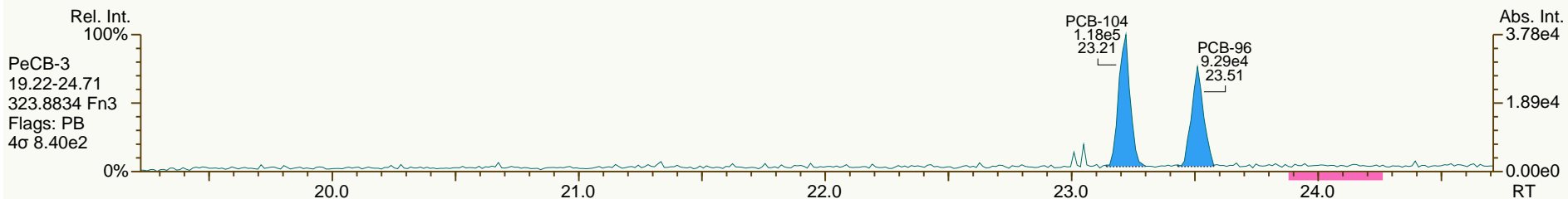
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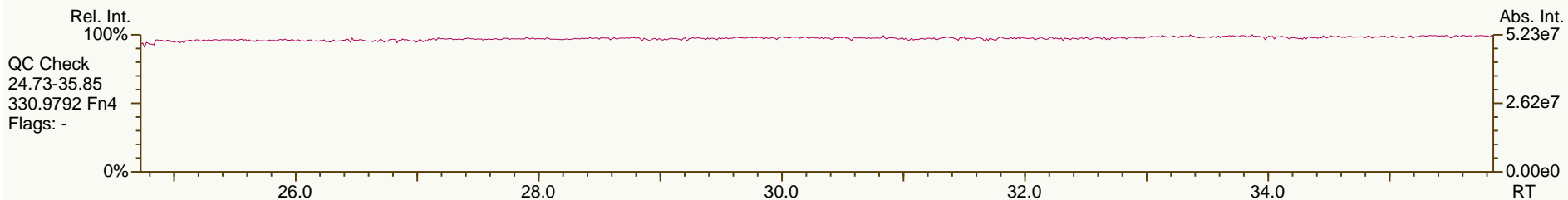
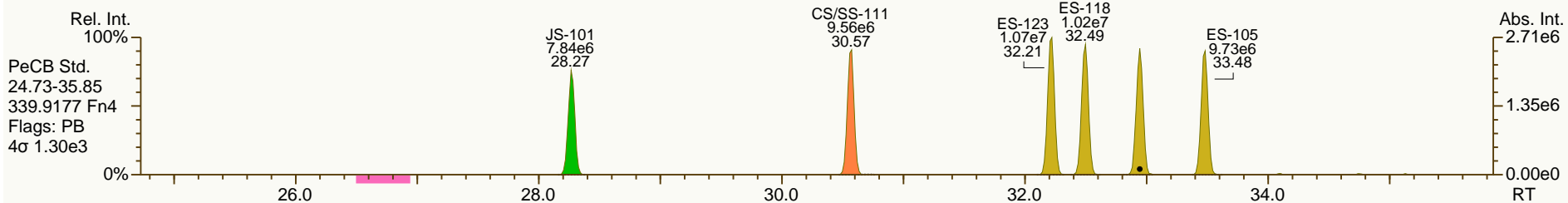
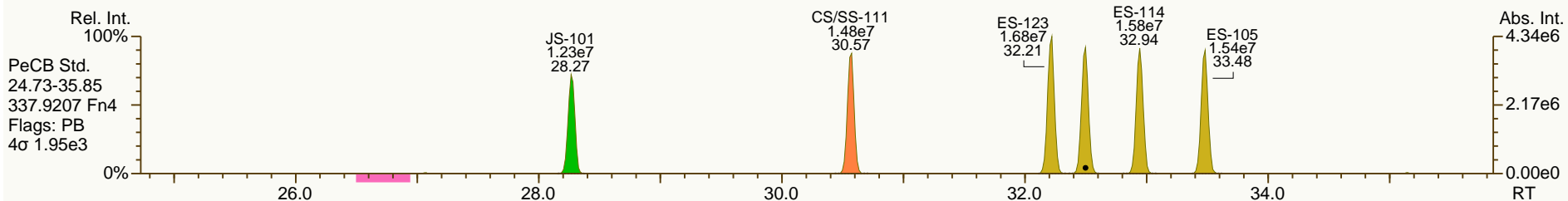
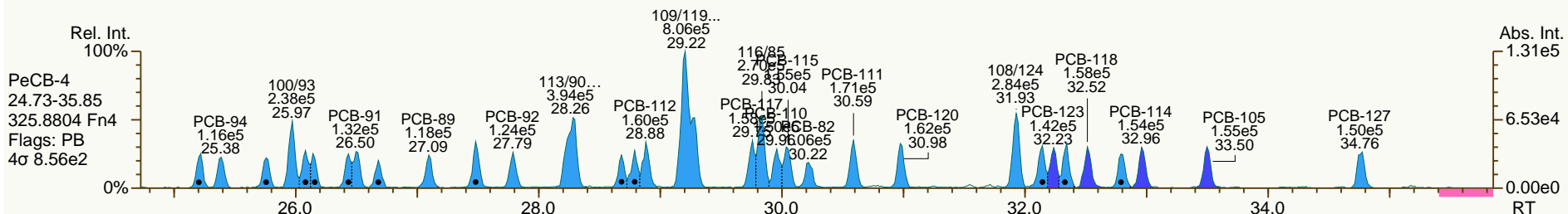
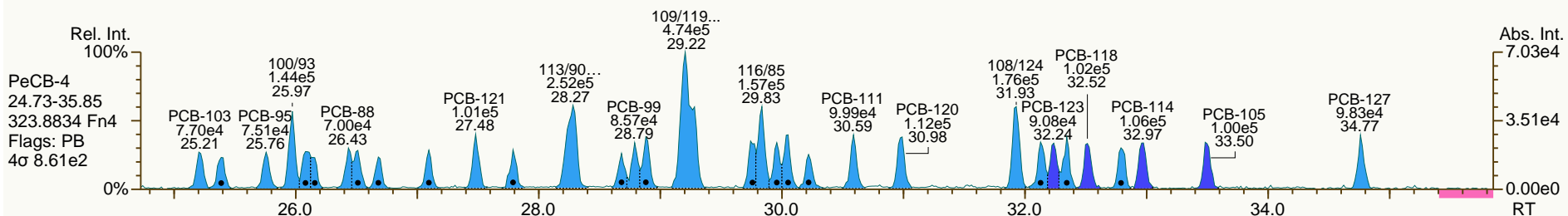
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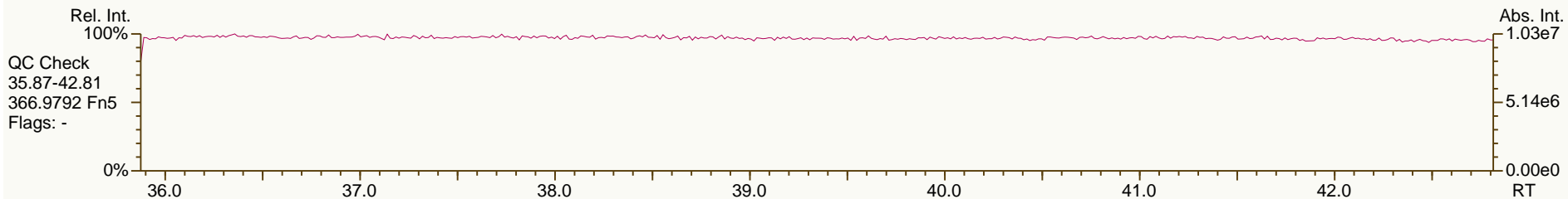
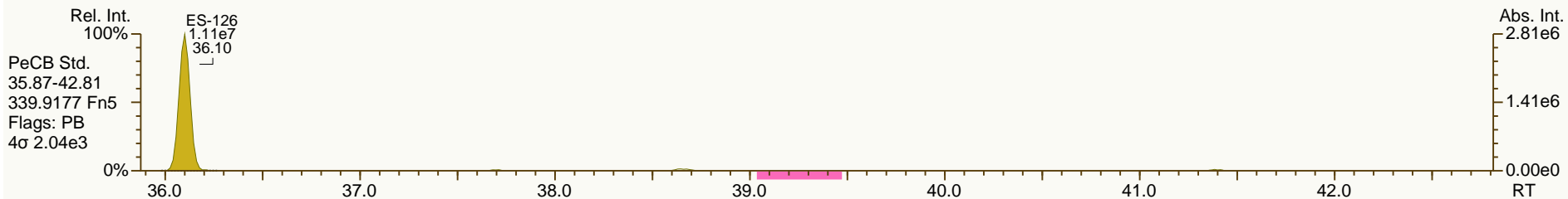
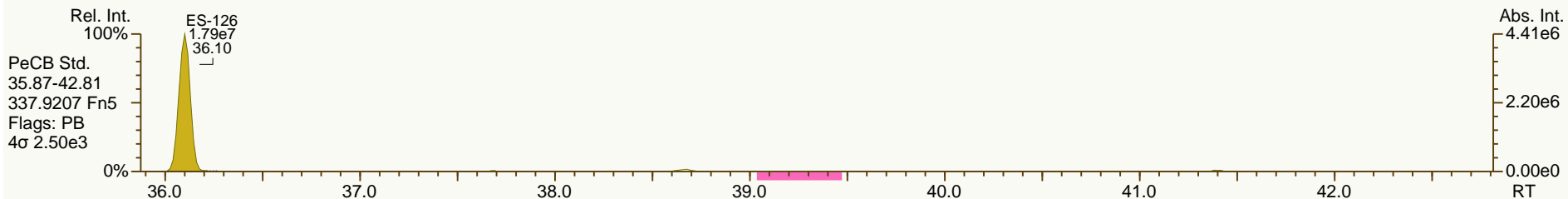
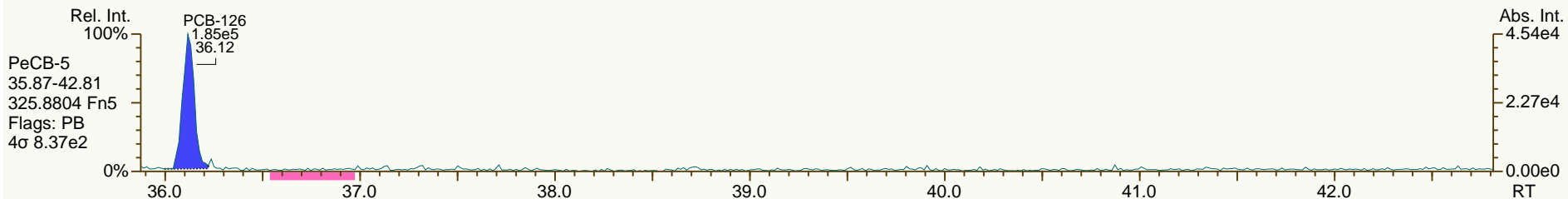
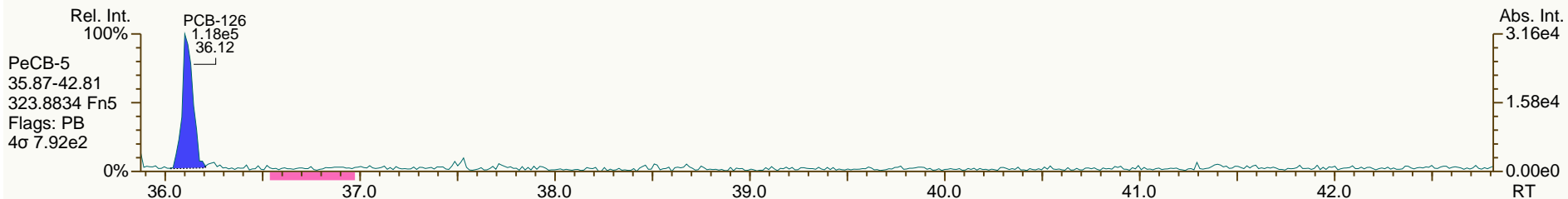
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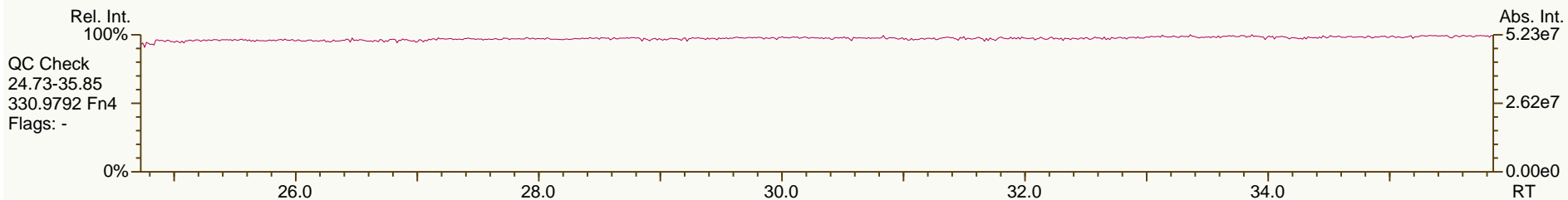
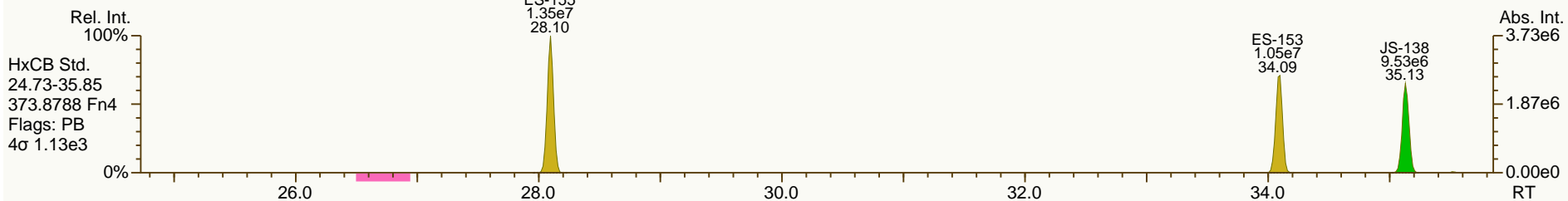
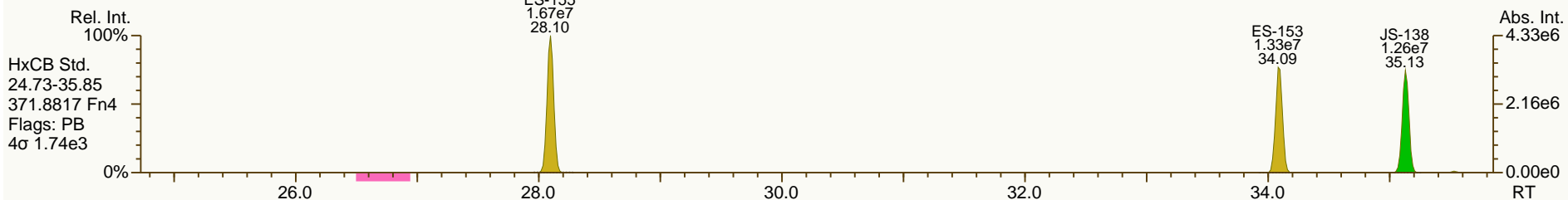
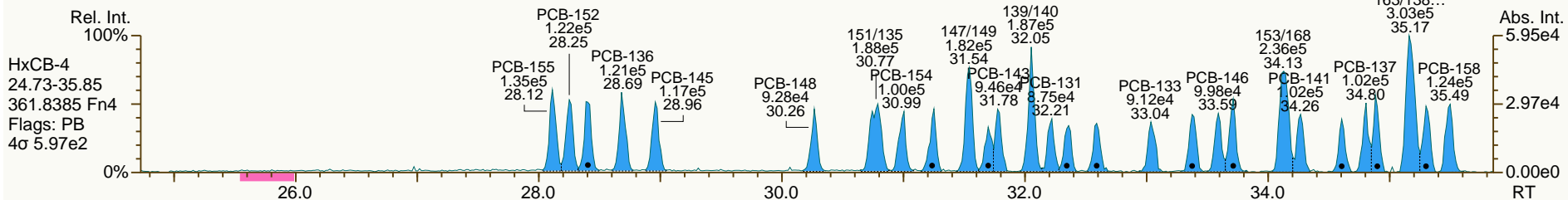
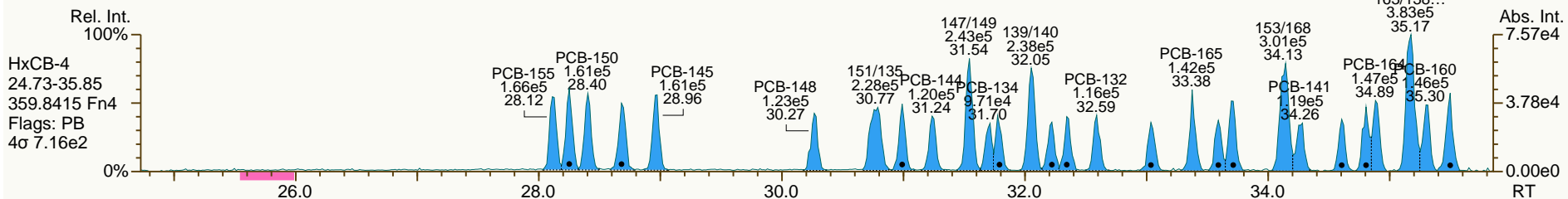
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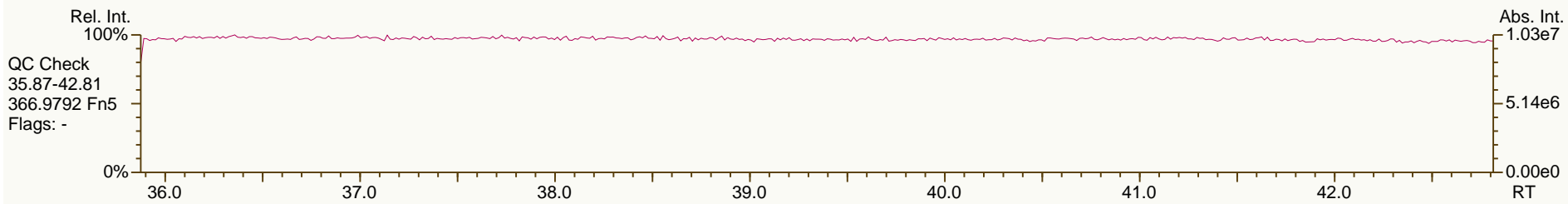
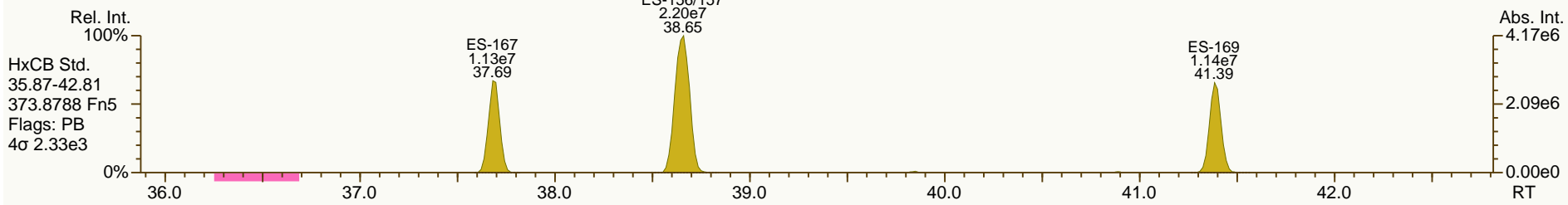
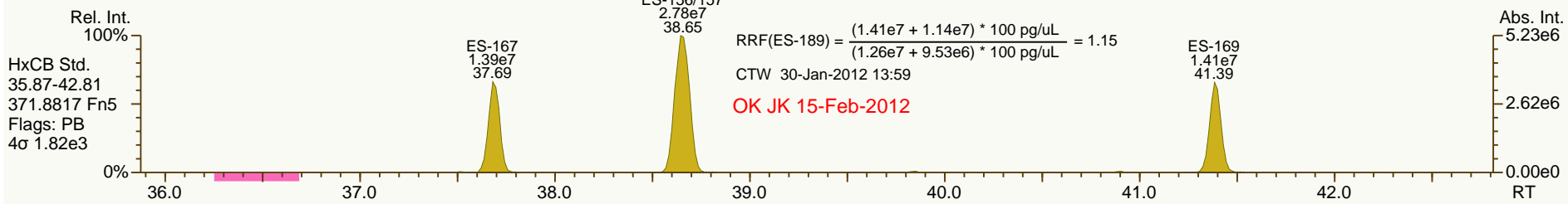
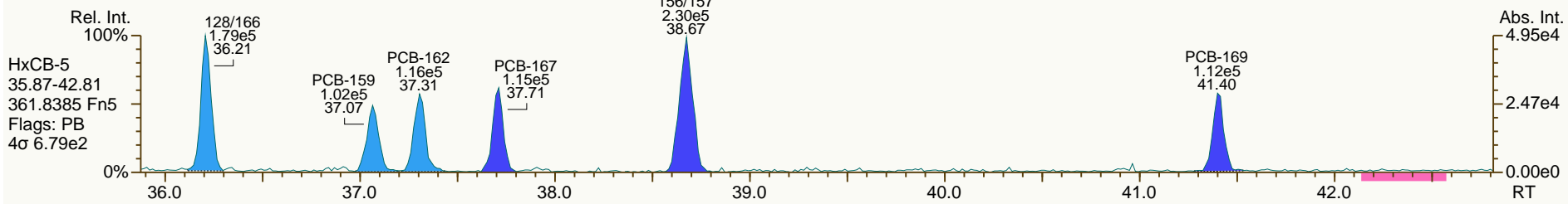
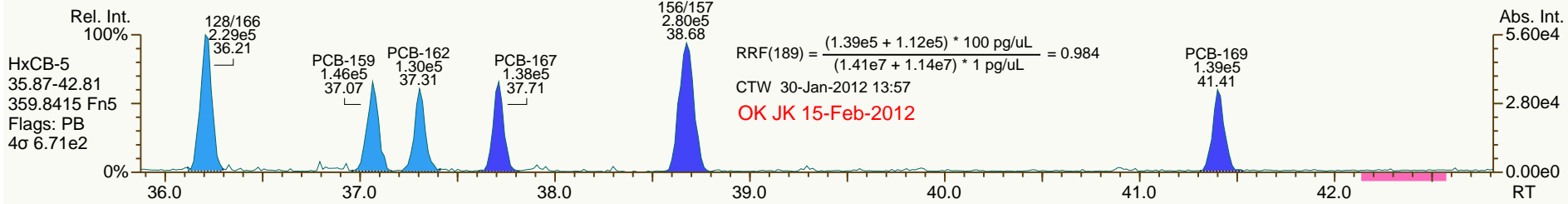
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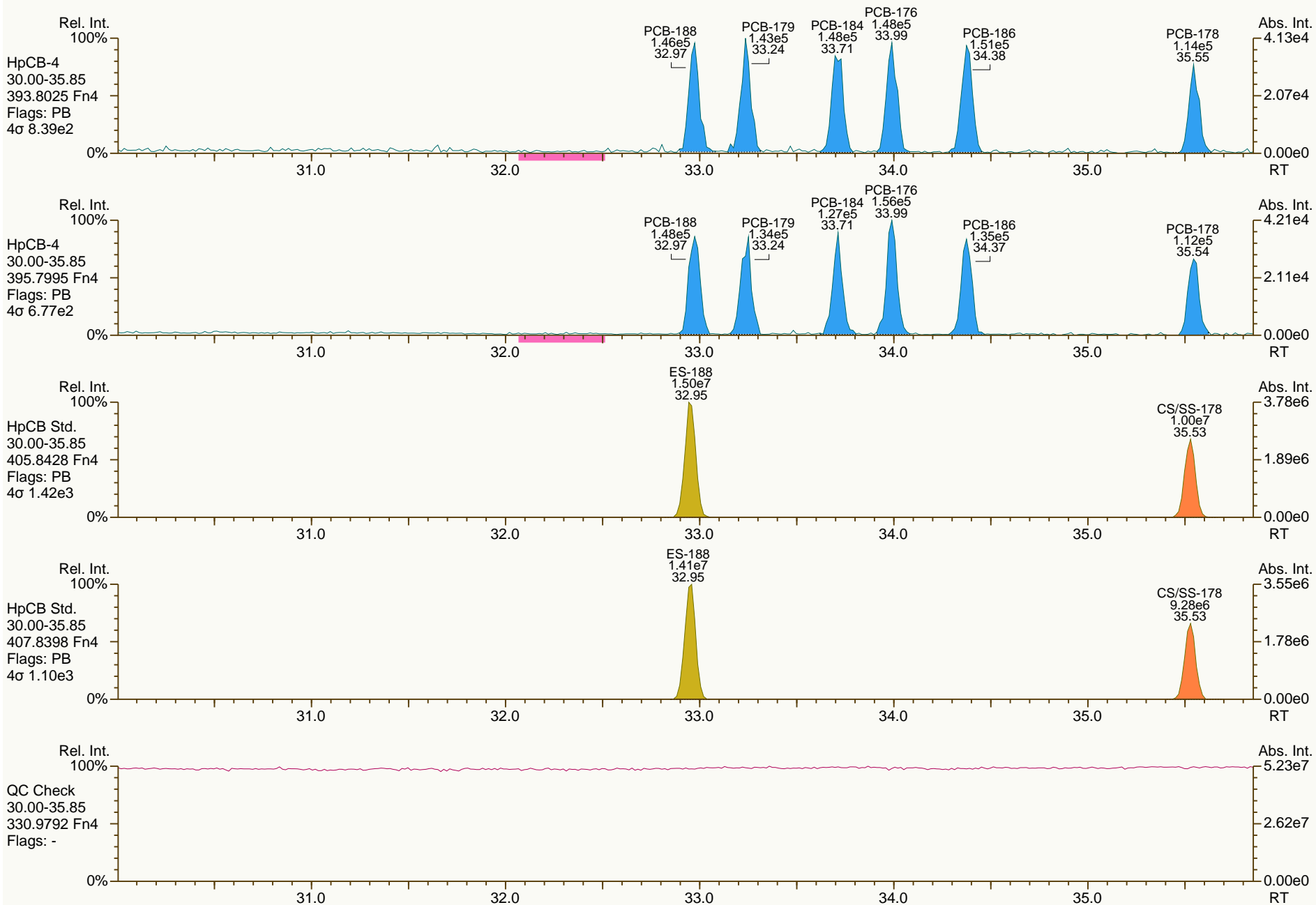
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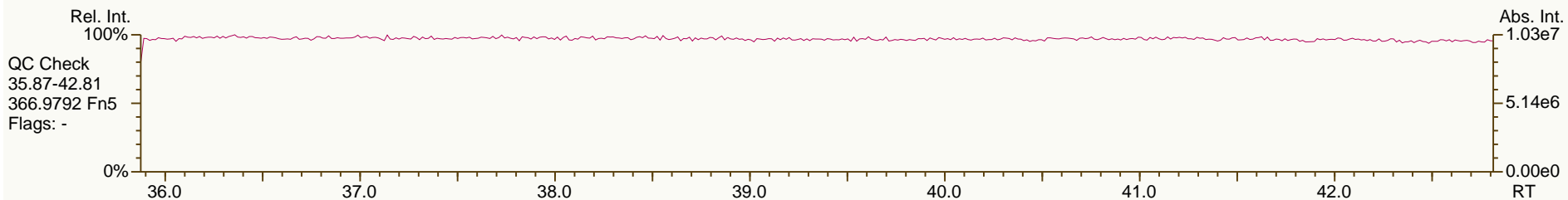
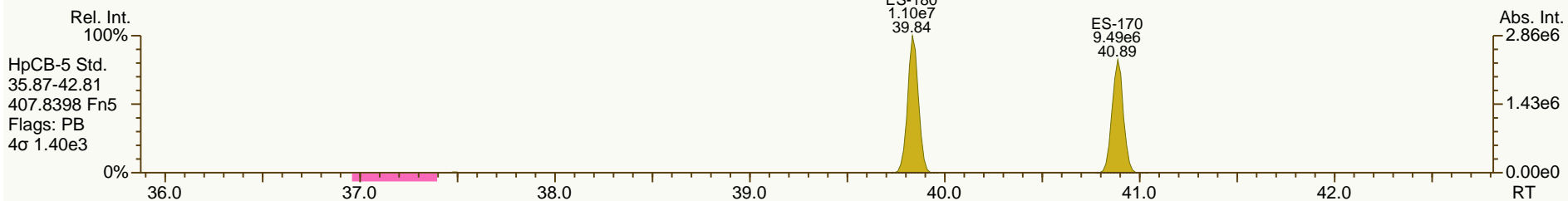
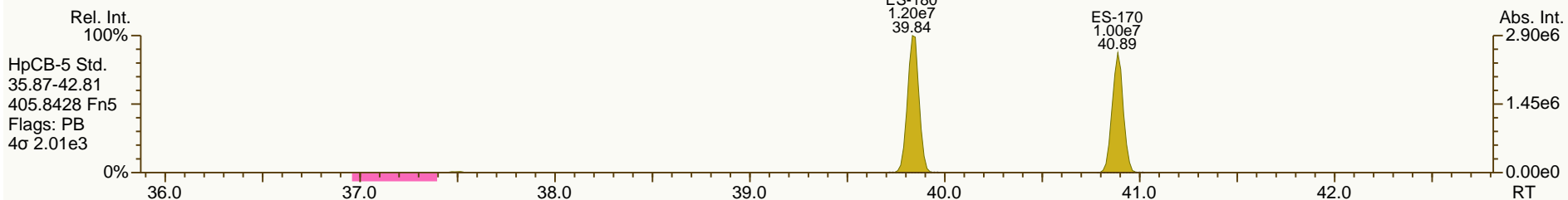
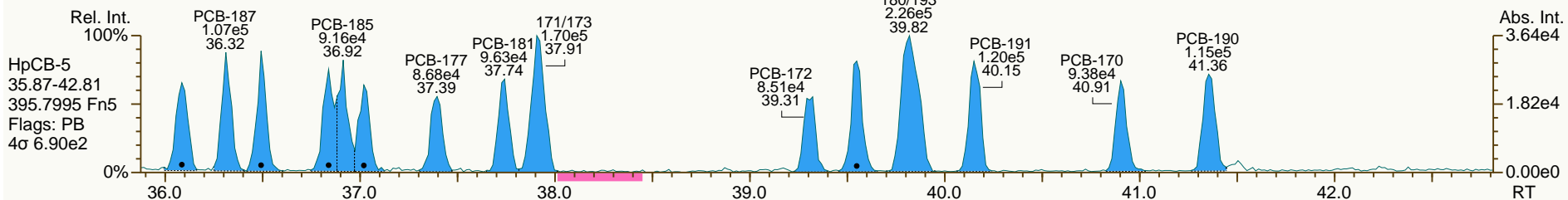
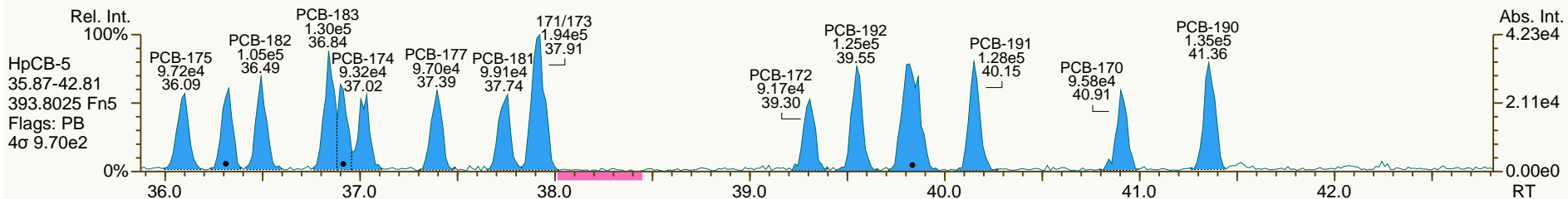
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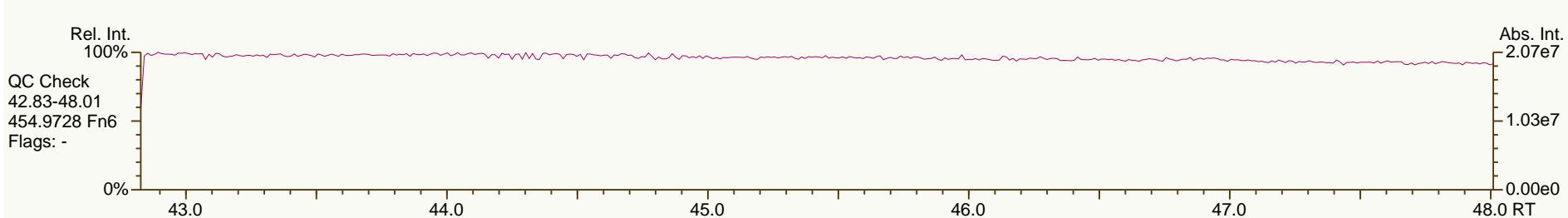
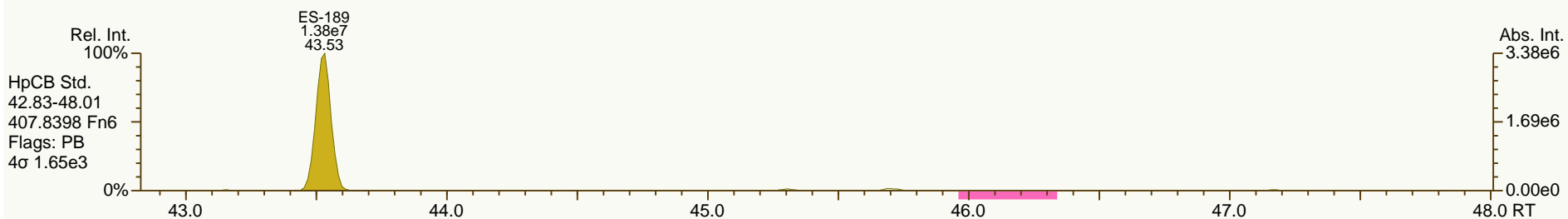
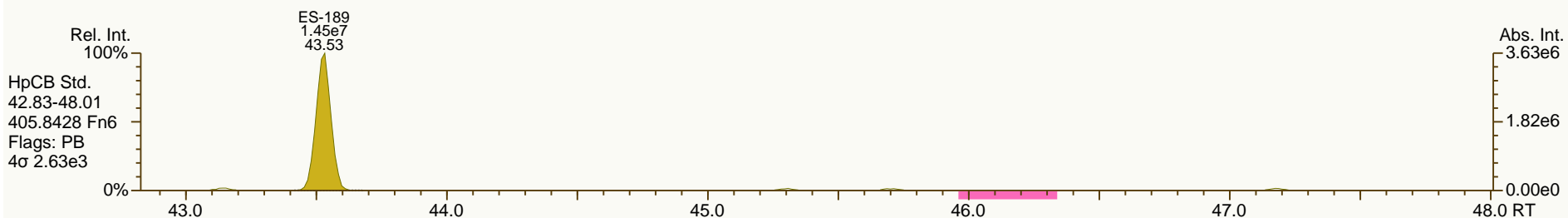
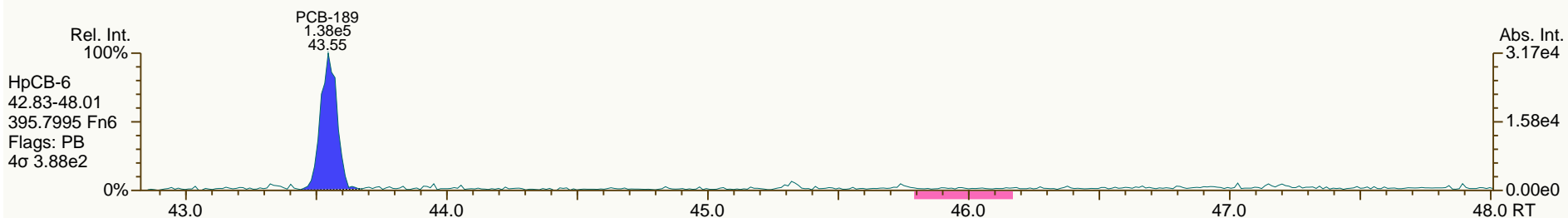
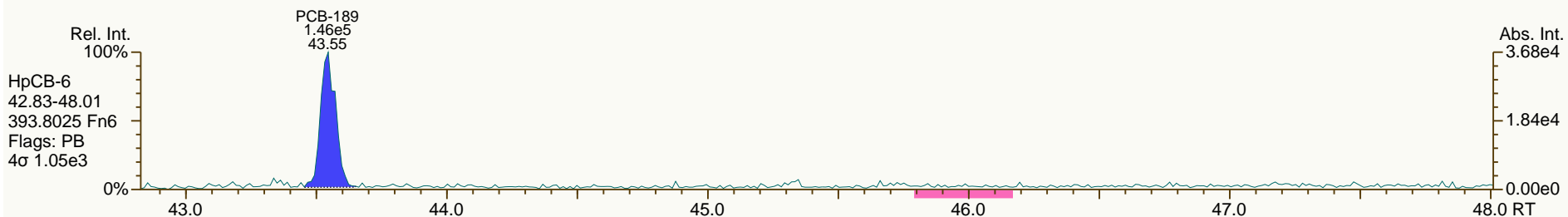
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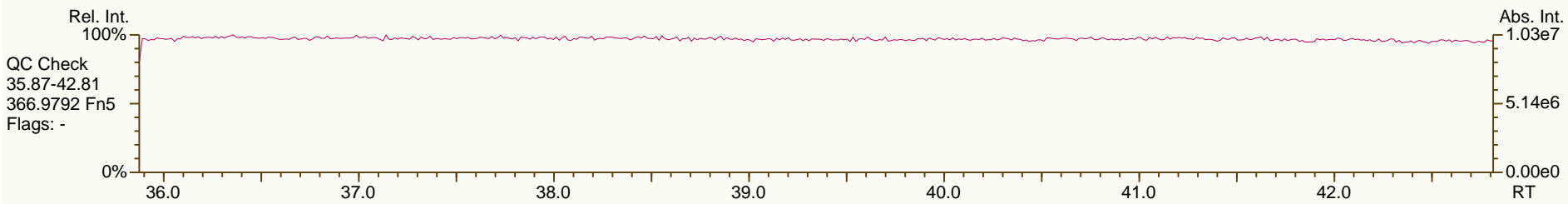
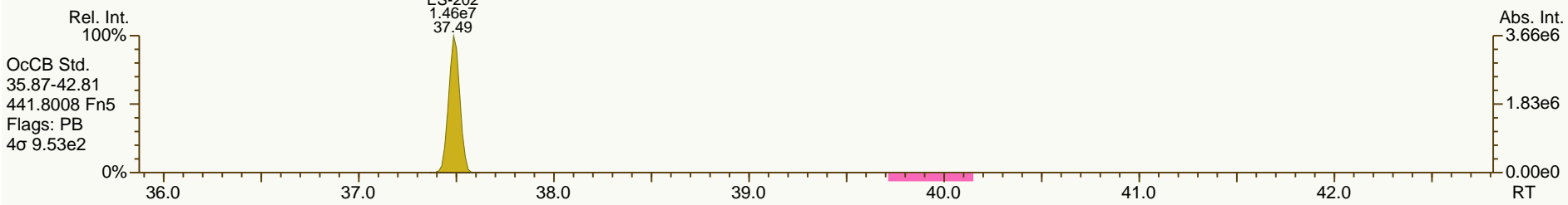
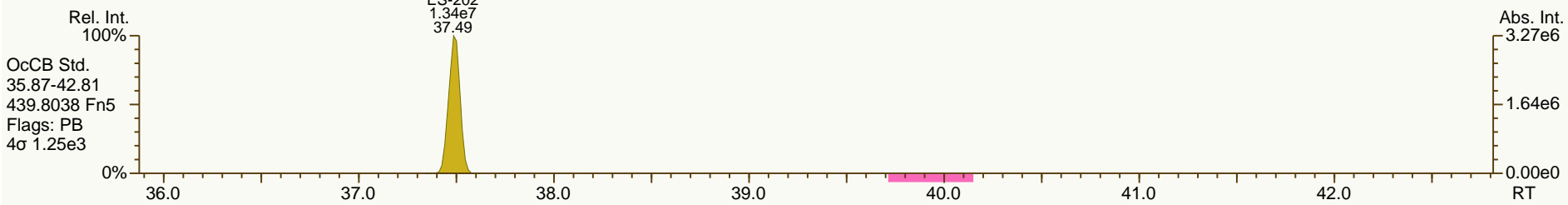
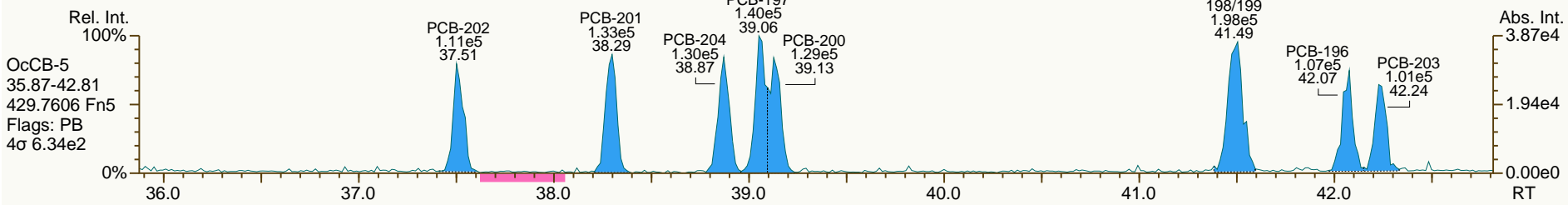
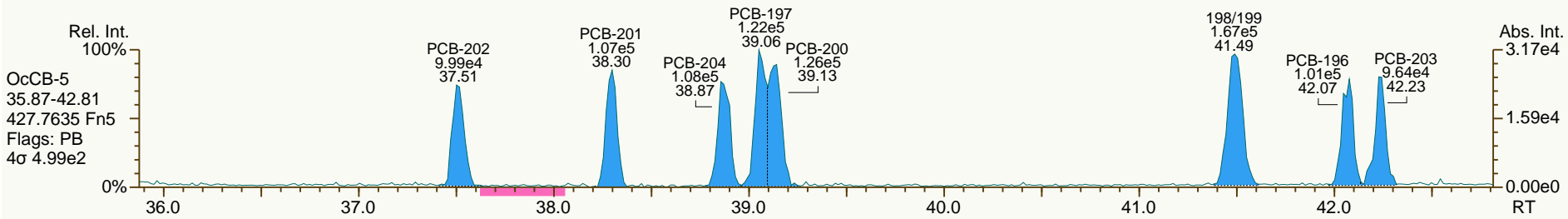
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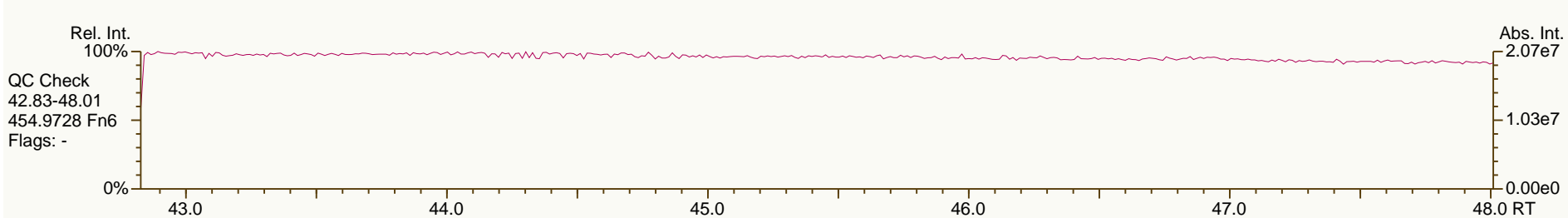
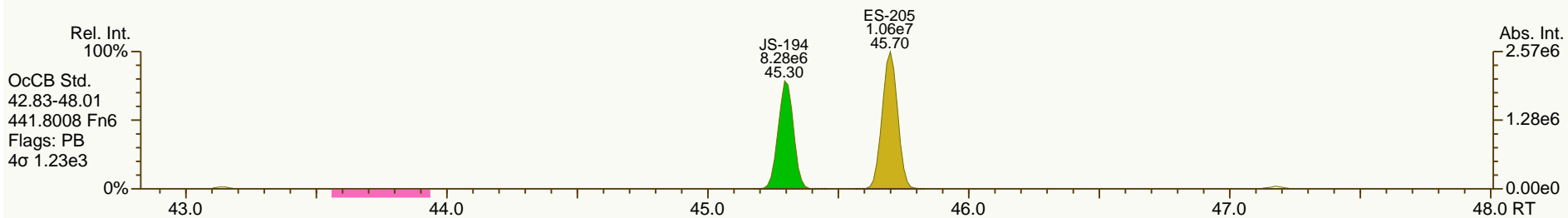
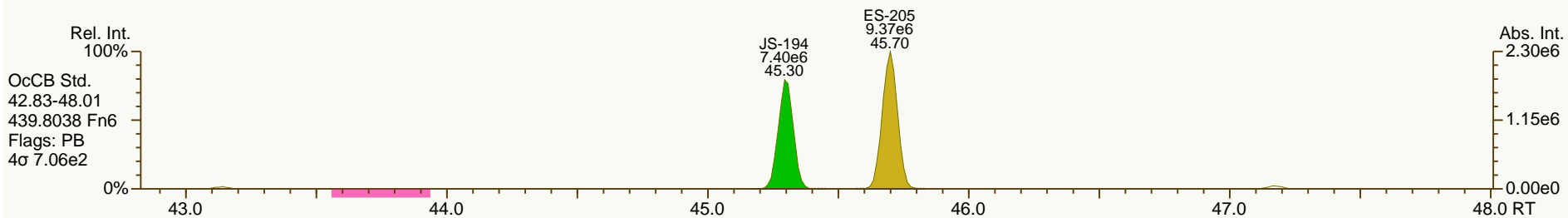
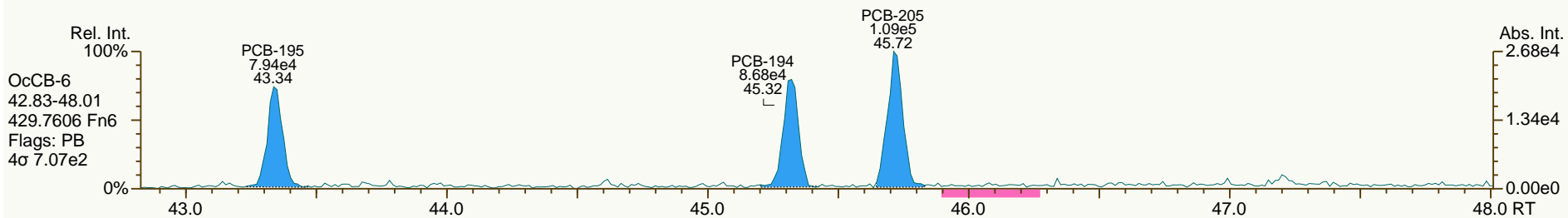
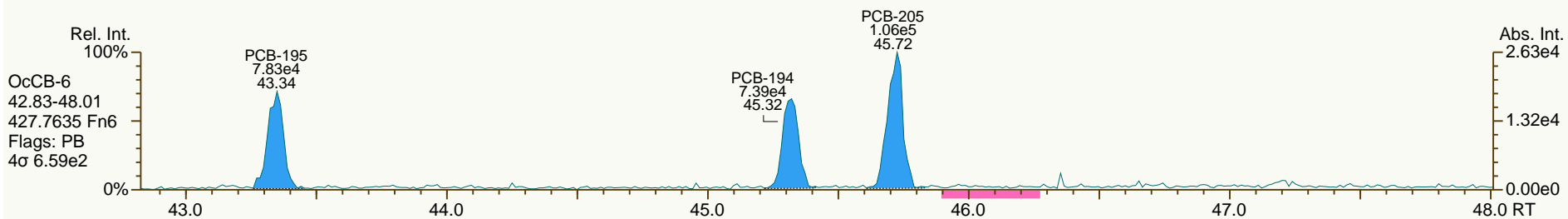
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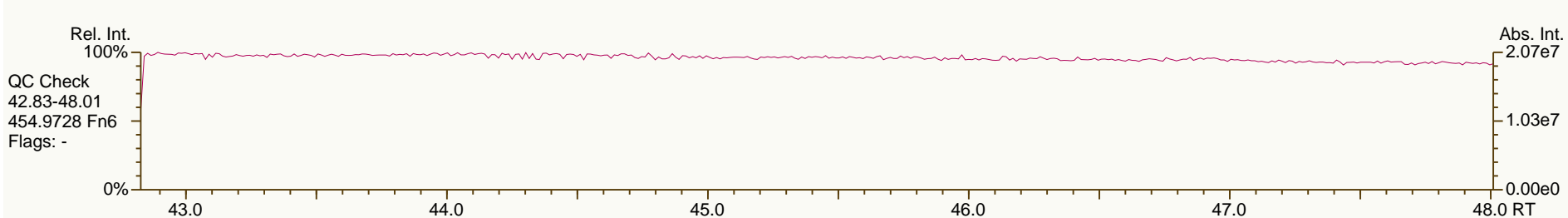
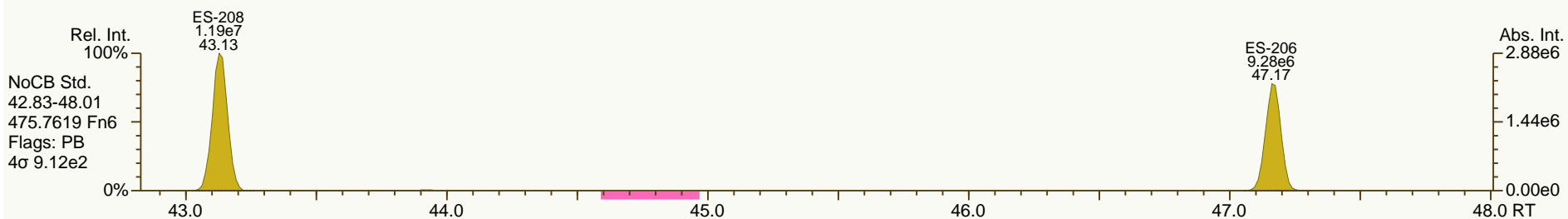
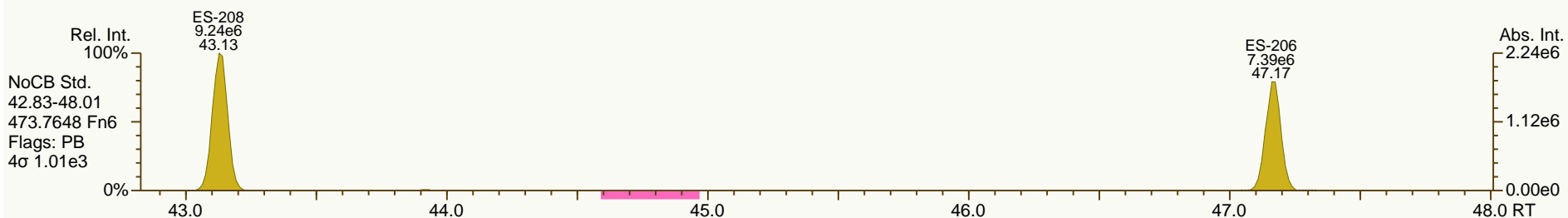
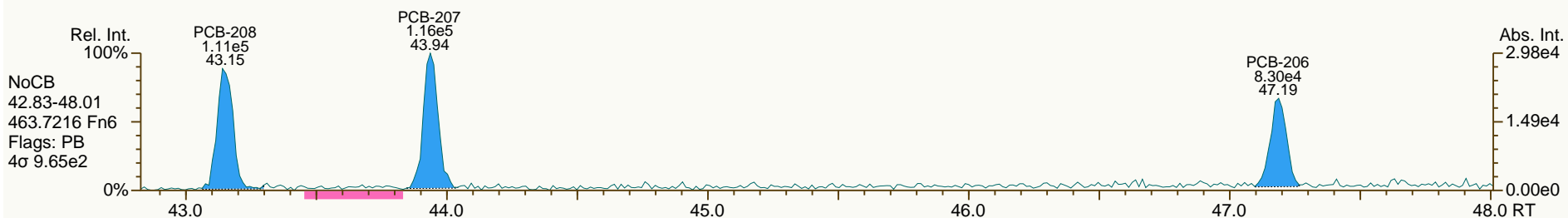
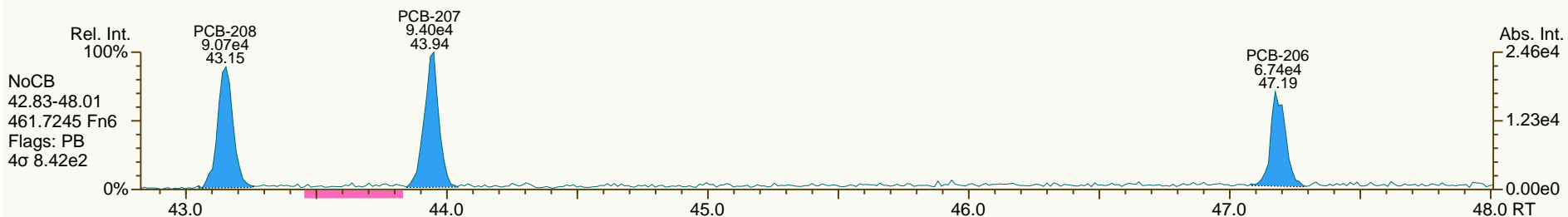
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6'-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87	4.4%	
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14	4.7%	
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79	2.8%	
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76	5.0%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85	4.2%	
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28	2.5%	
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37	0.7%	
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26	3.2%	
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26	0.3%	
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25	-2.3%	
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34	0.2%	
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25	0.2%	
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21	2.0%	
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20	-1.5%	
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18	0.2%	
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24	0.0%	
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38	0.3%	
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34	-2.0%	
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16	-2.5%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80	-1.7%	
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81	4.9%	
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73	2.6%	
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76	2.0%	
PCB-100/93 22'44'6'-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76	2.2%	
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75	-0.2%	
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73	3.1%	
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82	-2.1%	
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68	5.0%	
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69	0.5%	
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99	0.3%	
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72	0.5%	
PCB-113/90/101 233'5'6'-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81	-0.2%	
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59	-4.6%	
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78	2.4%	
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95	-1.2%	
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83	0.0%	
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96	2.1%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78	-3.2%	
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92	-0.4%	

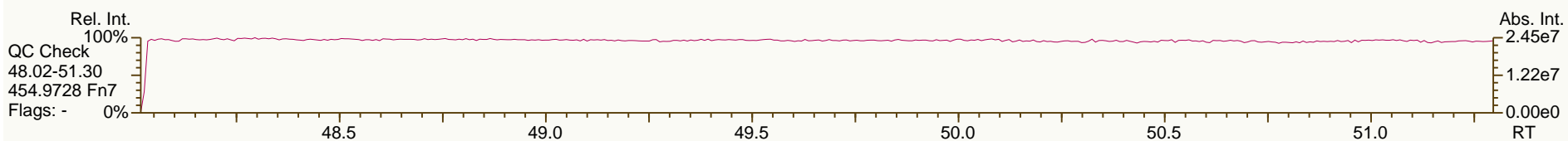
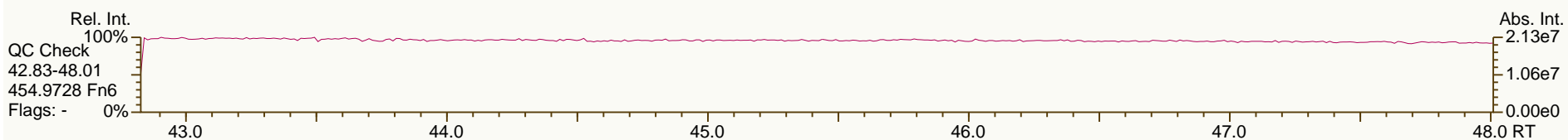
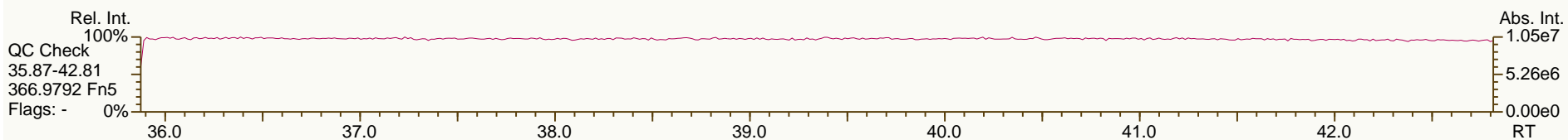
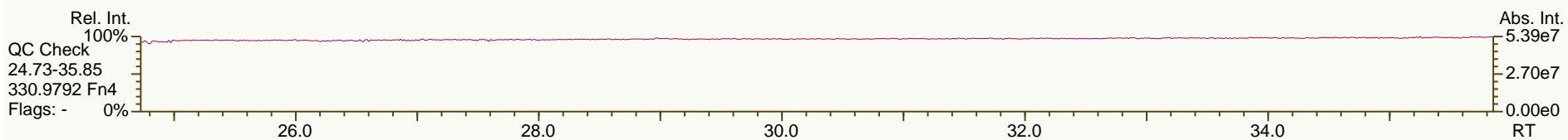
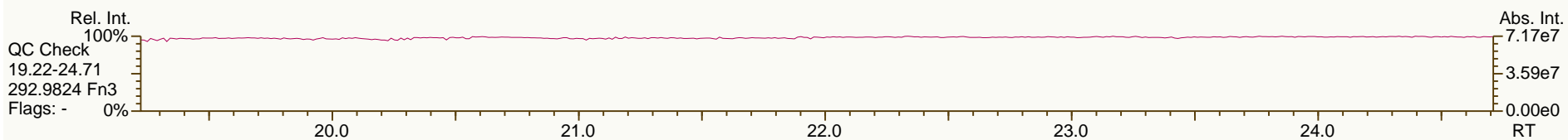
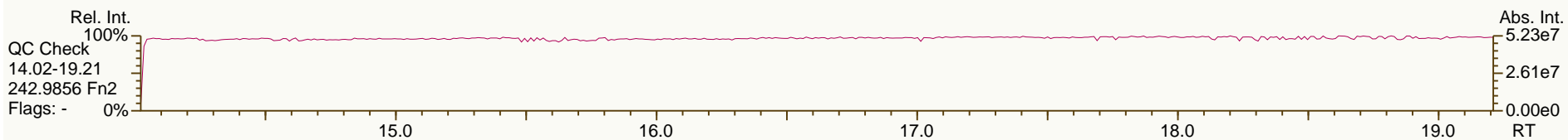
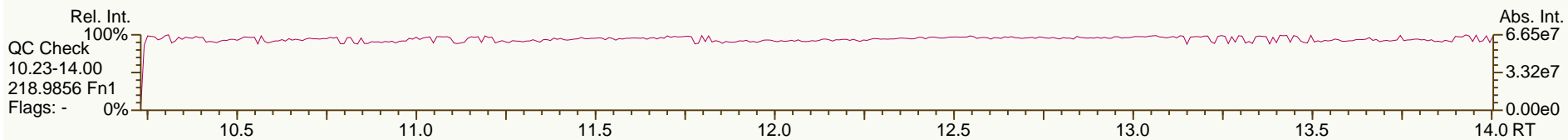
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92	-3.4%	
PCB-82 22'33'4'-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59	-3.9%	
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92	-6.4%	
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98	-1.3%	
PCB-107/124 233'4'5'-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89	-3.6%	
PCB-109 233'46'-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96	-3.5%	
PCB-106 233'45'-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92	-4.6%	
PCB-122 2'33'45'-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91	-2.2%	
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00	-3.5%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96	-2.2%	
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96	-2.8%	
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87	-5.3%	
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88	-6.2%	
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93	-2.0%	
PCB-151/135 22'355'6'-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90	-1.5%	
PCB-154 22'44'5'6'-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99	-2.3%	
PCB-144 22'345'6'-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95	1.6%	
PCB-147/149 22'34'56'-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94	0.1%	
PCB-134 22'33'56'-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76	-2.7%	
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88	-2.0%	
PCB-139/140 22'344'6'-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92	-3.0%	
PCB-131 22'33'46'-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81	-3.7%	
PCB-142 22'3456'-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82	-5.6%	
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83	-5.1%	
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85	-4.4%	
PCB-165 233'55'6'-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00	-6.1%	
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93	-1.6%	
PCB-161 233'45'6'-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89	-2.7%	
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78	-4.8%	
PCB-137 22'344'5'-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87	-13.5%	
PCB-164 233'4'5'6'-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15	1.5%	
PCB-163/138/129 233'4'56'-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96	-2.9%	
PCB-160 233'456'-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07	-6.1%	
PCB-158 233'44'6'-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17	-5.8%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82	-5.1%	
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99	-3.5%	
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95	-8.3%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98	0.5%	
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95	-2.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

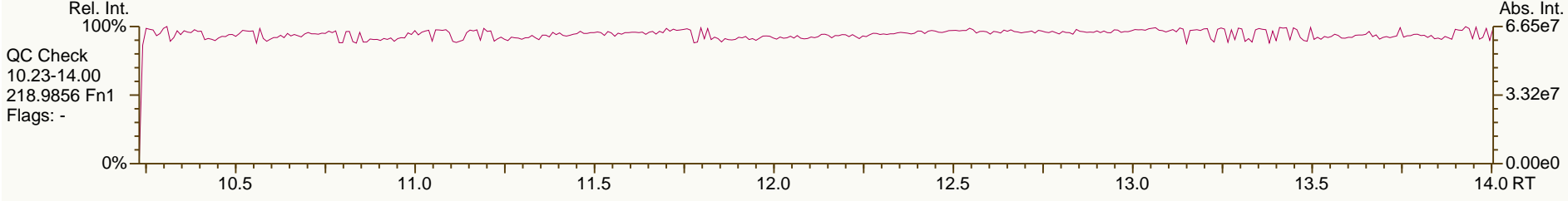
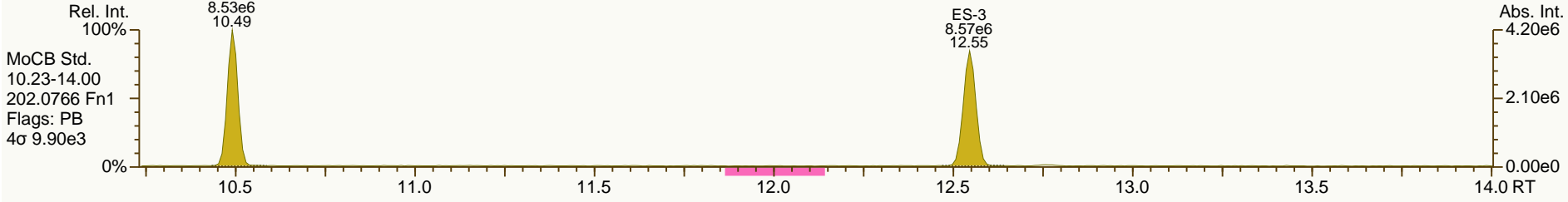
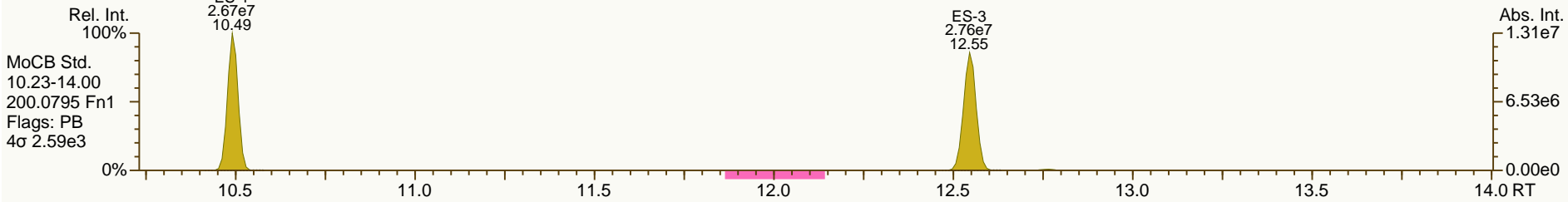
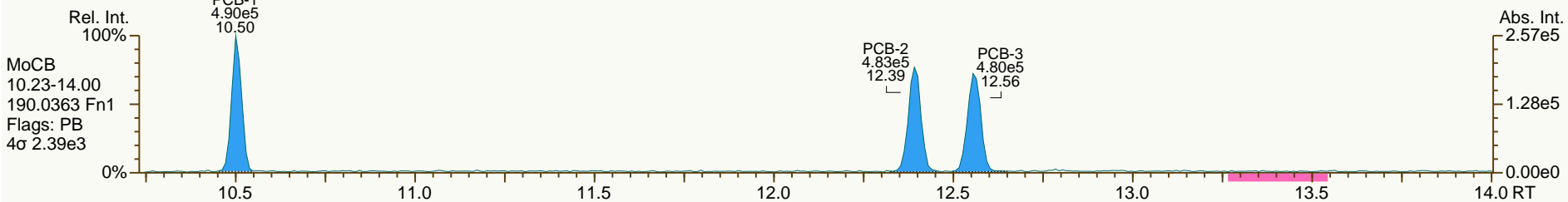
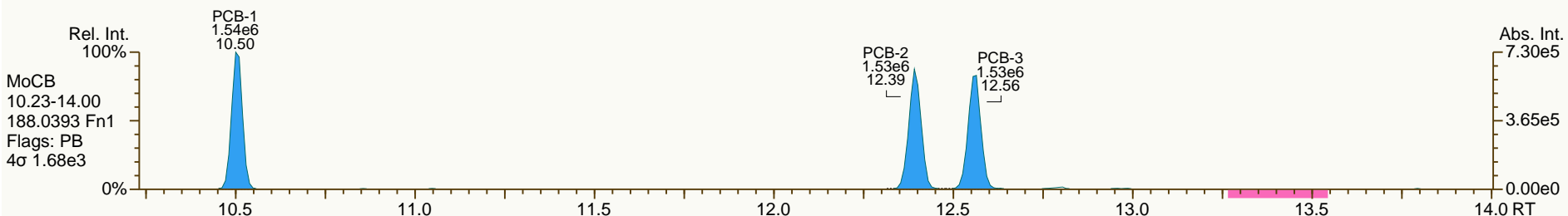
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

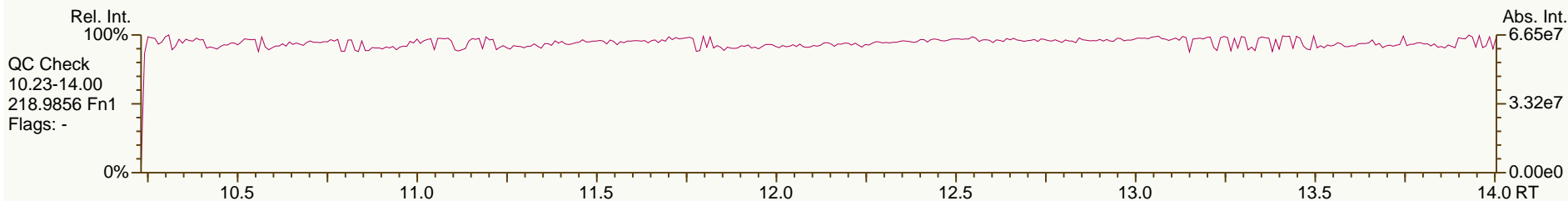
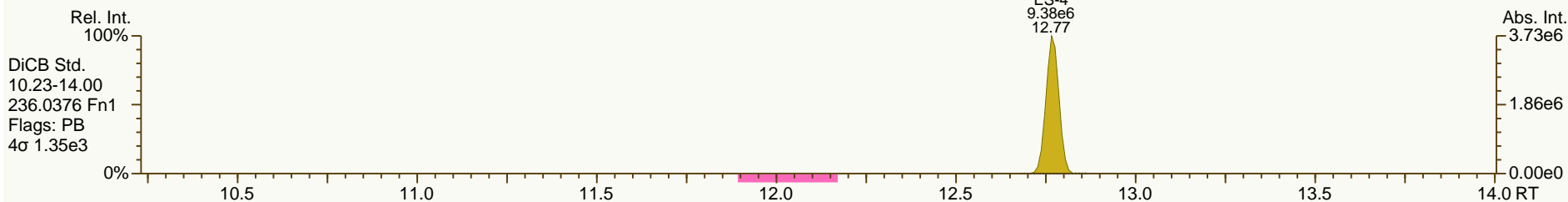
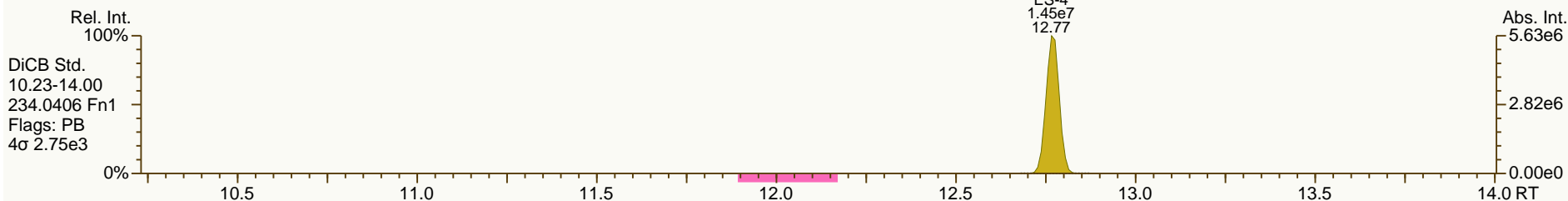
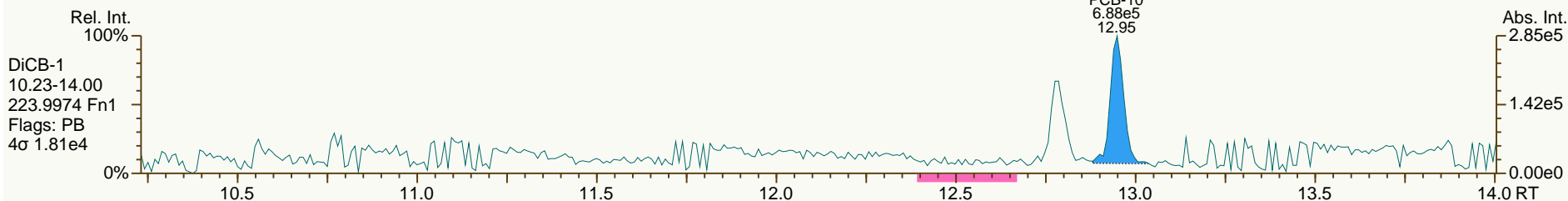
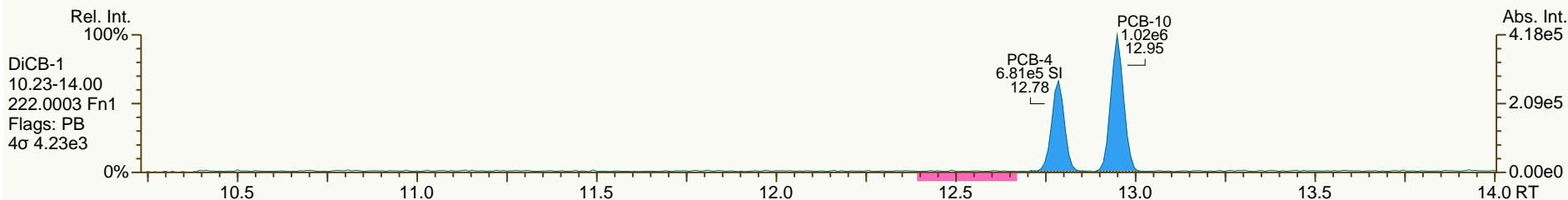
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

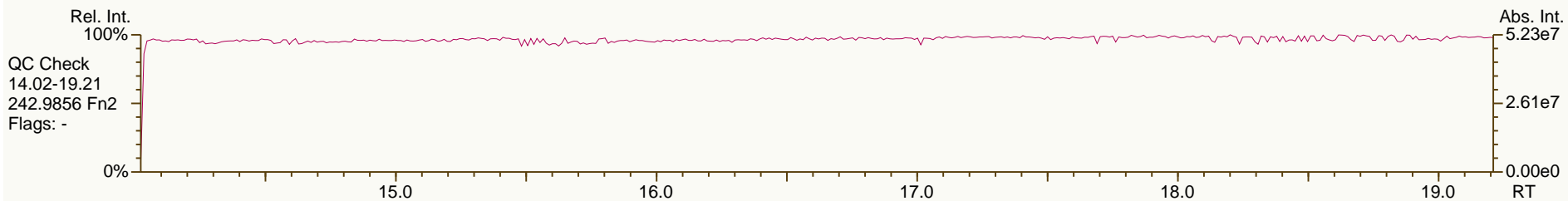
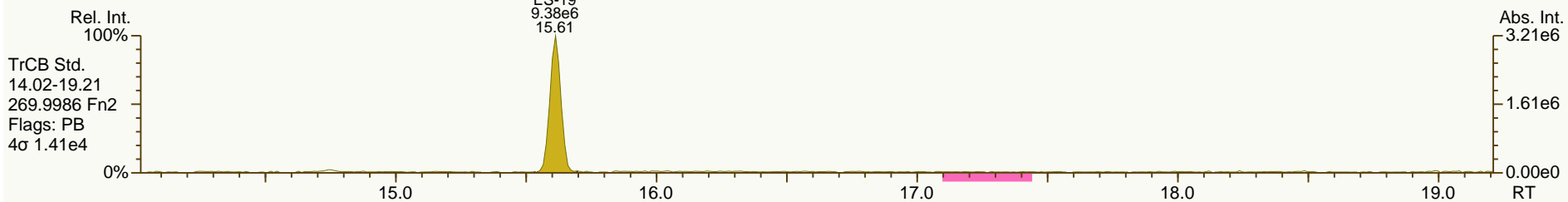
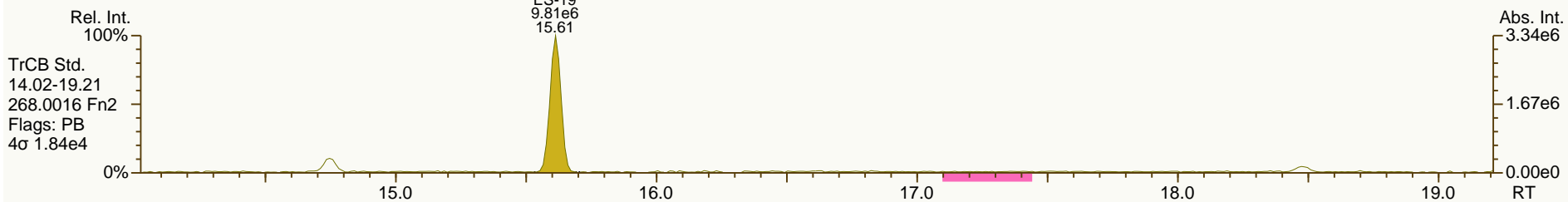
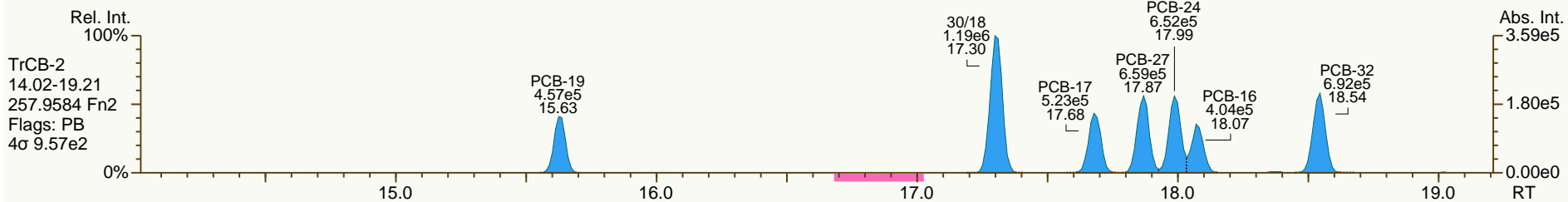
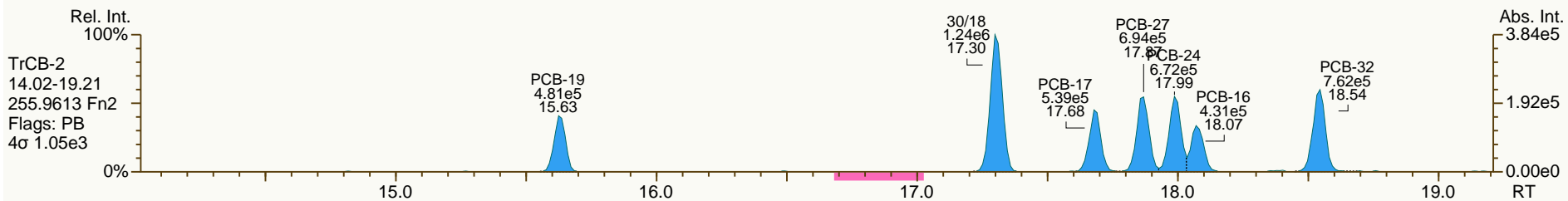
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

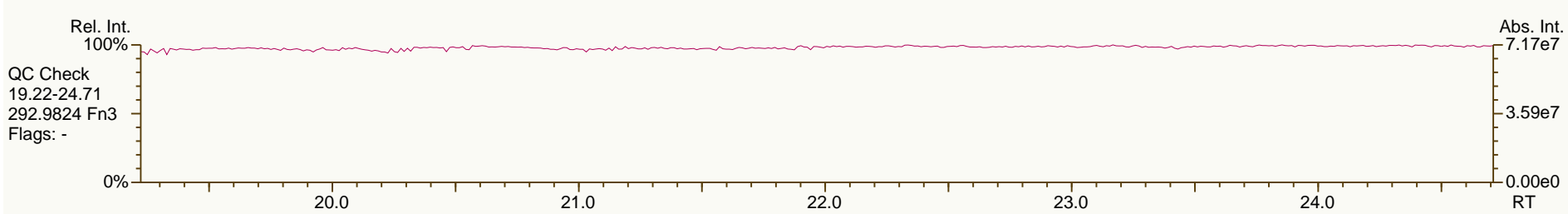
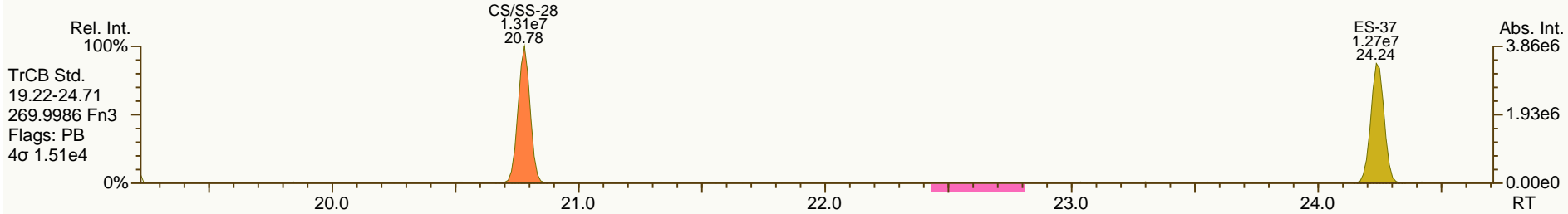
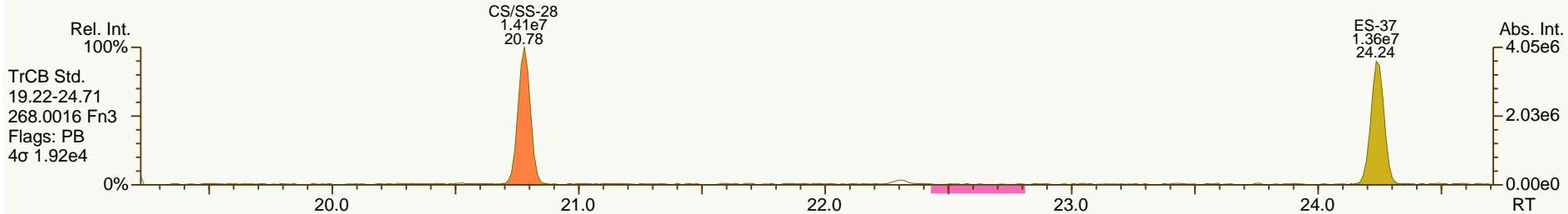
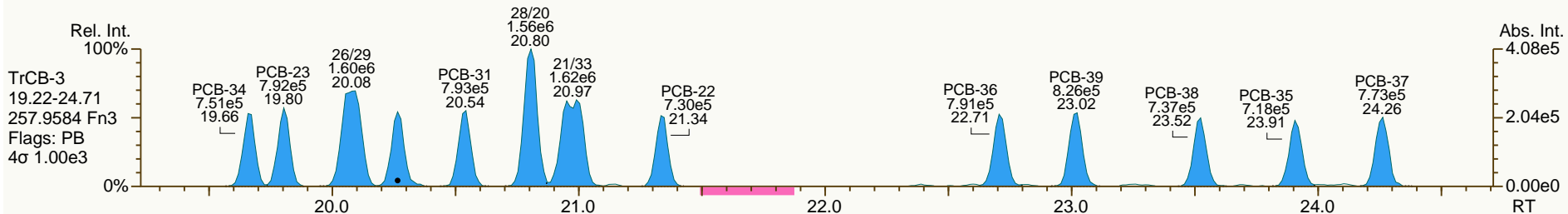
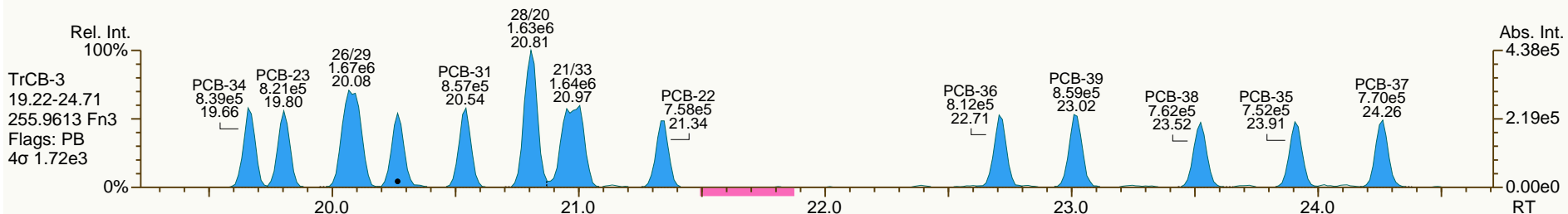
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

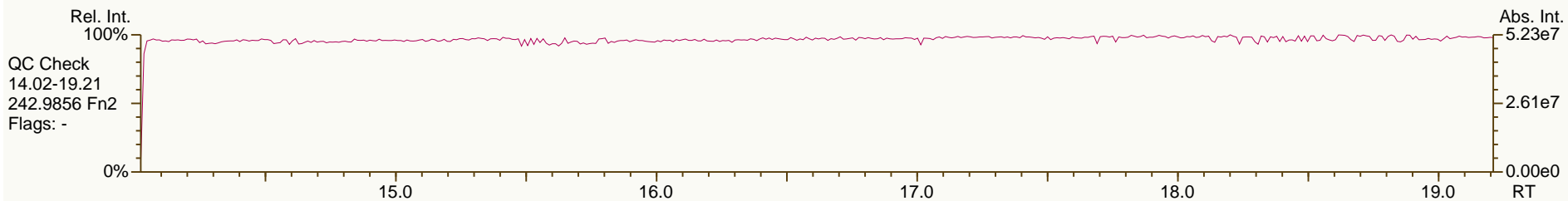
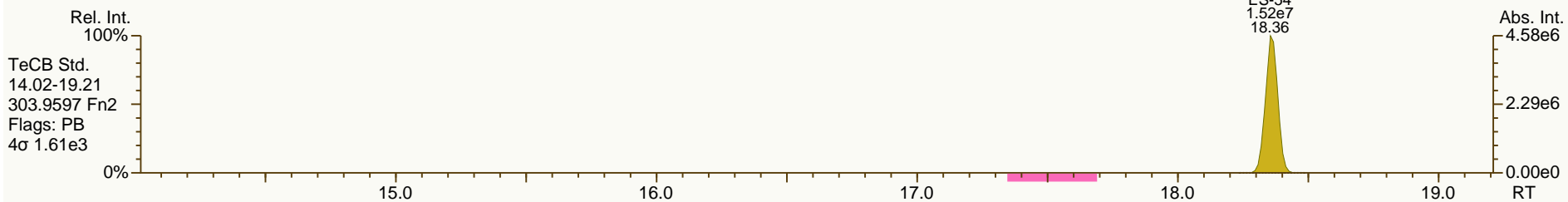
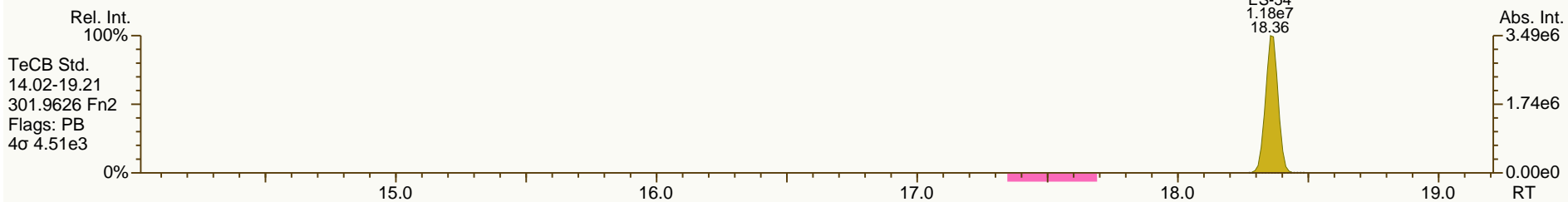
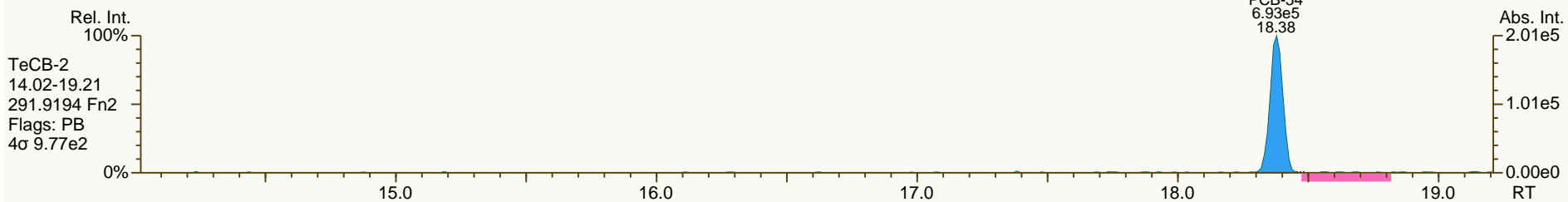
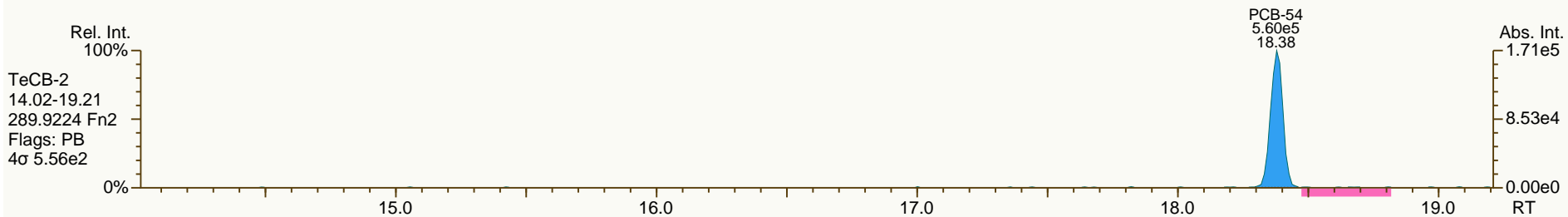
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

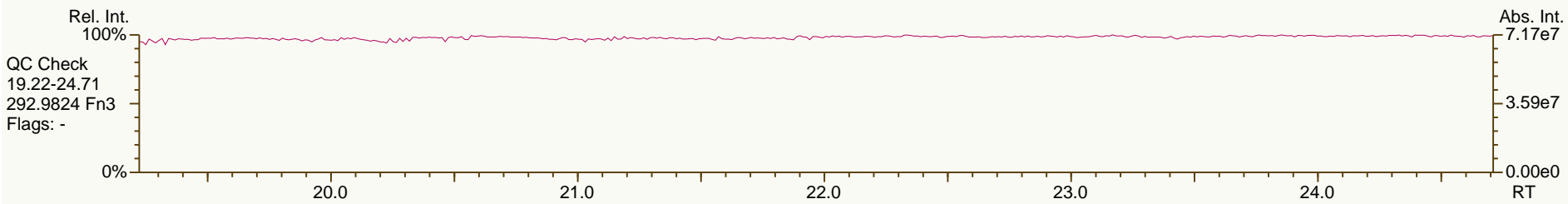
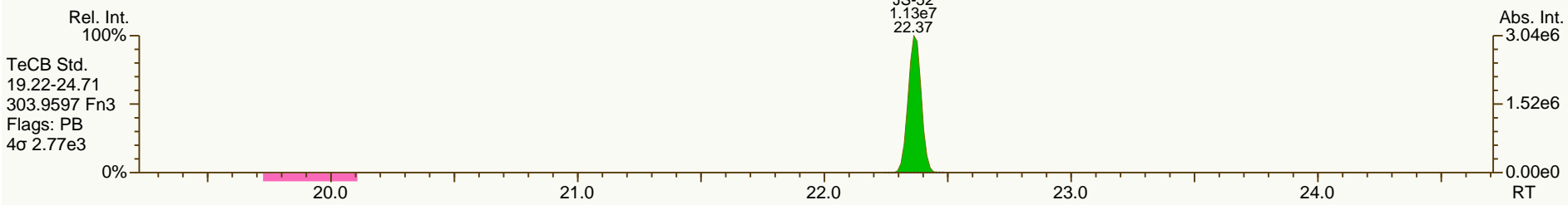
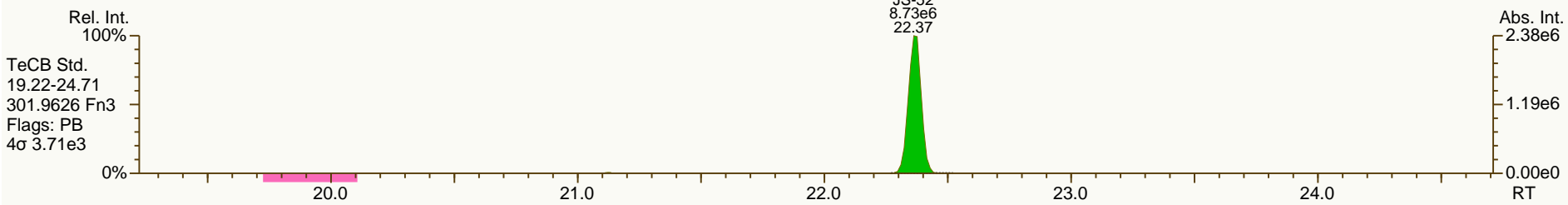
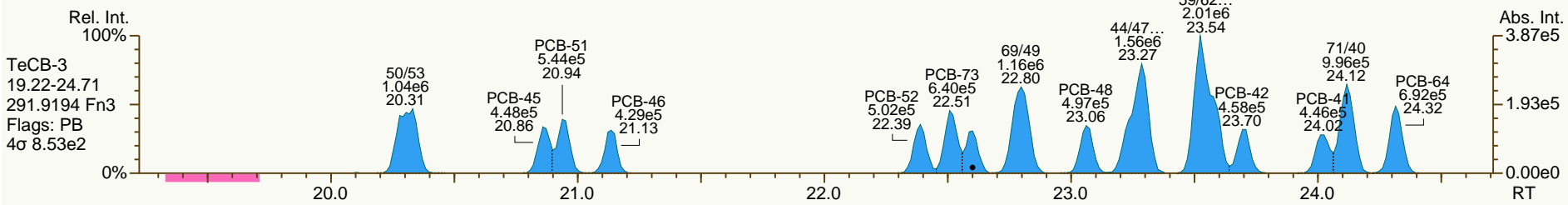
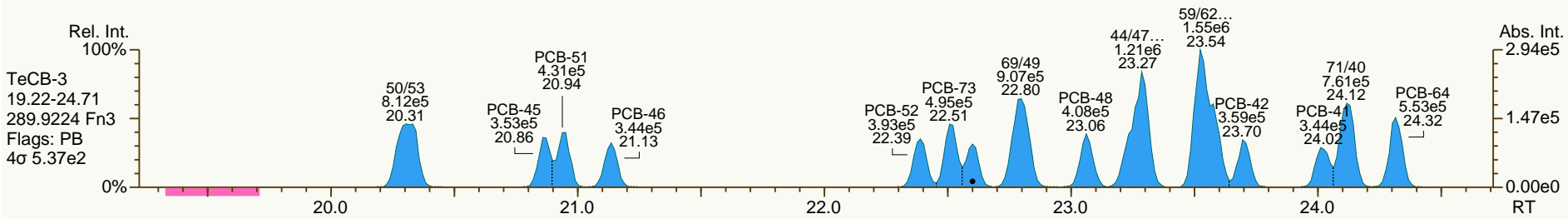
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

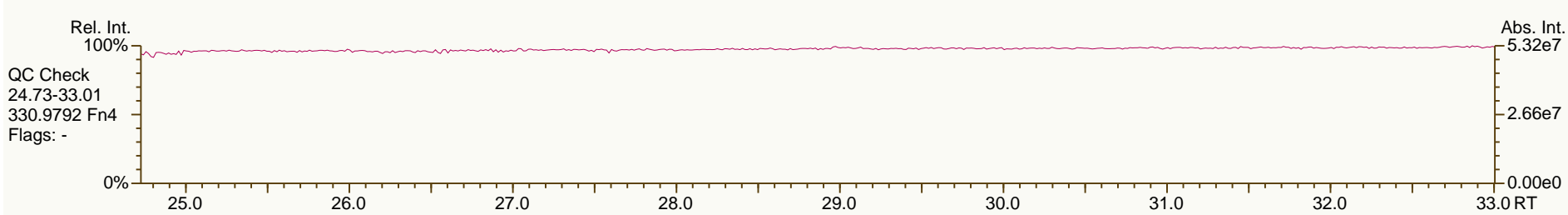
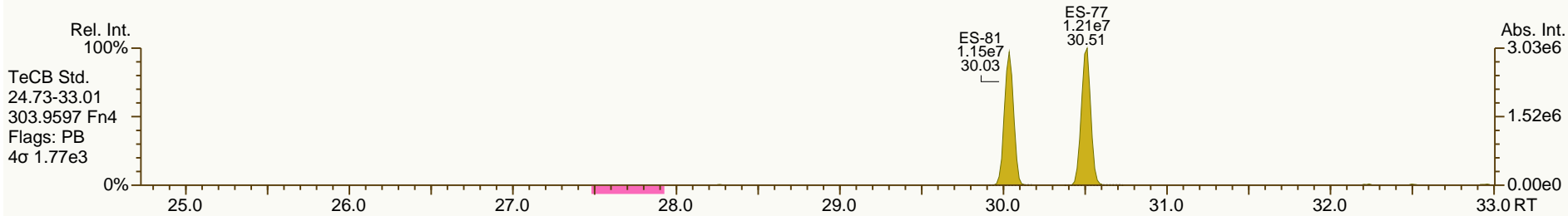
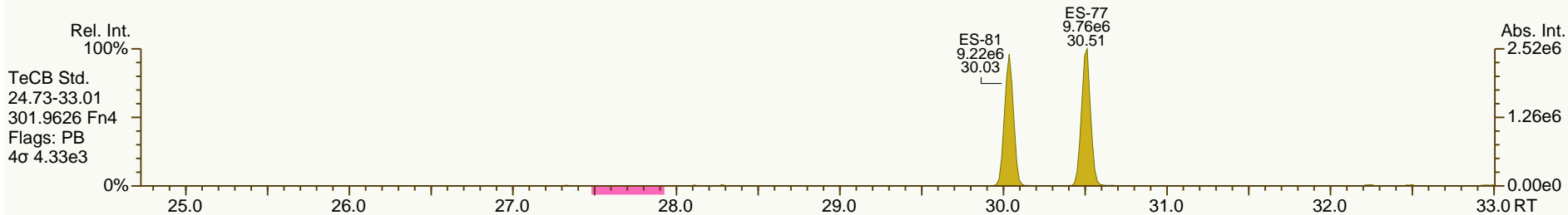
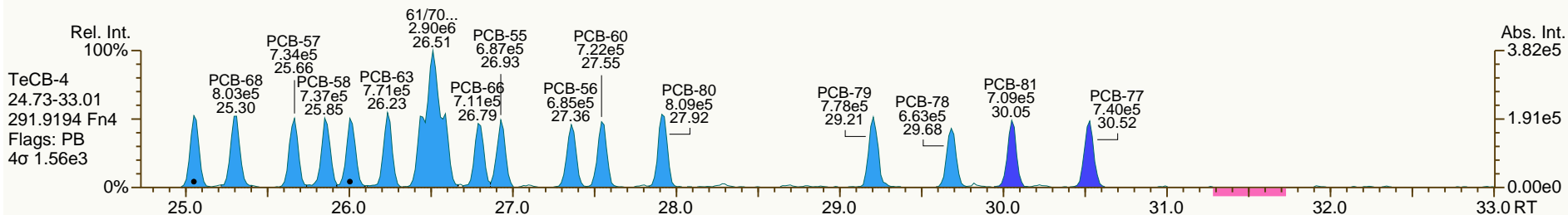
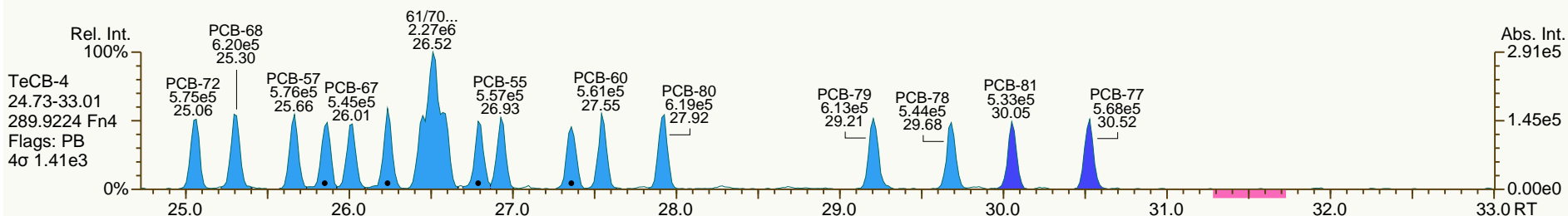
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

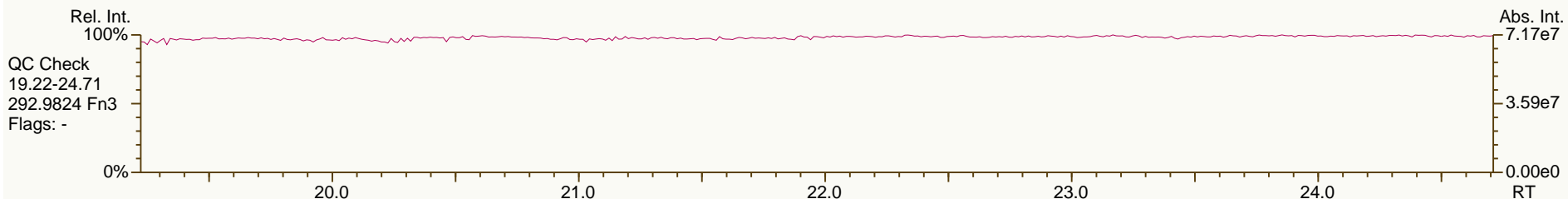
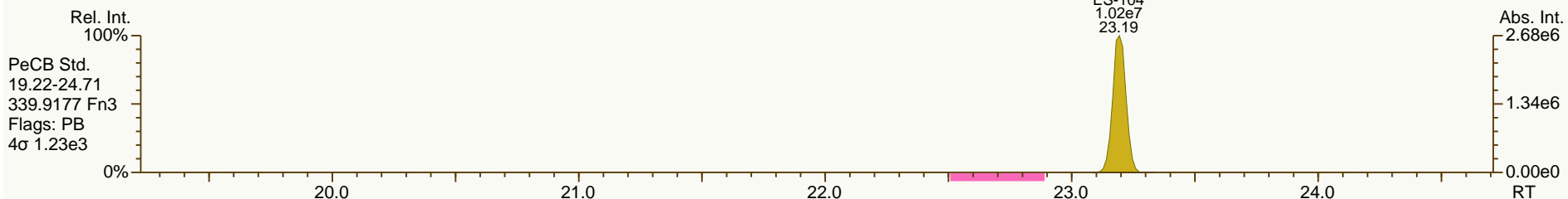
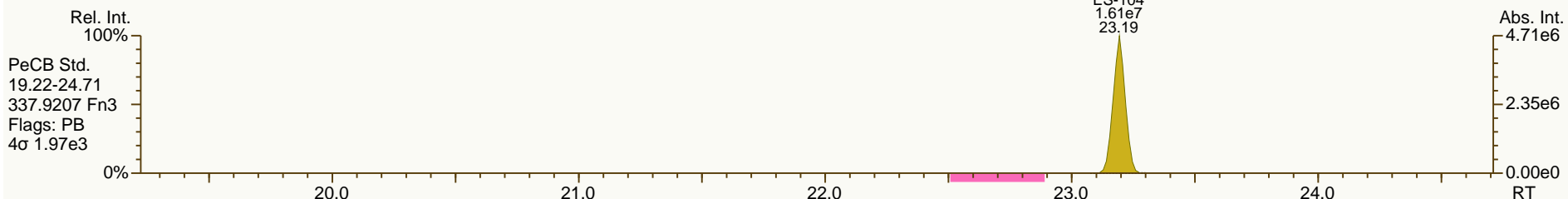
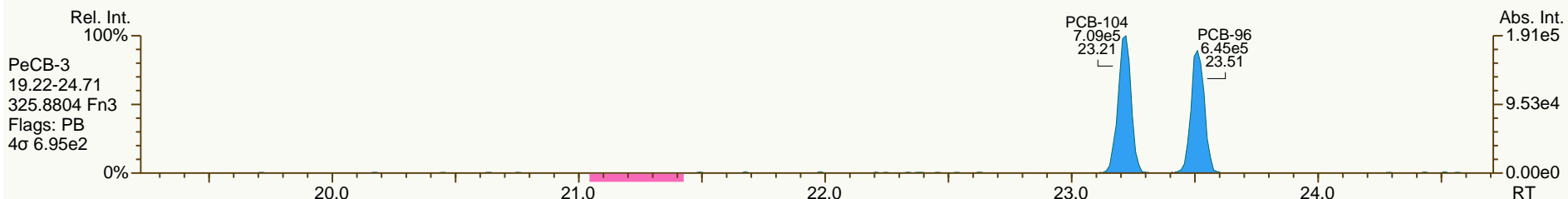
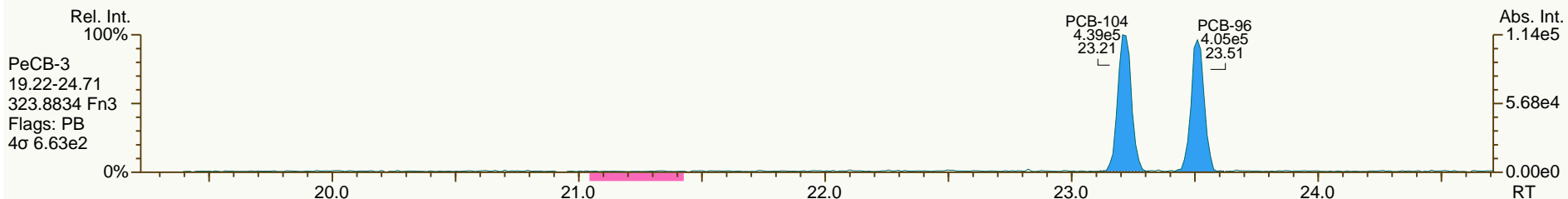
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

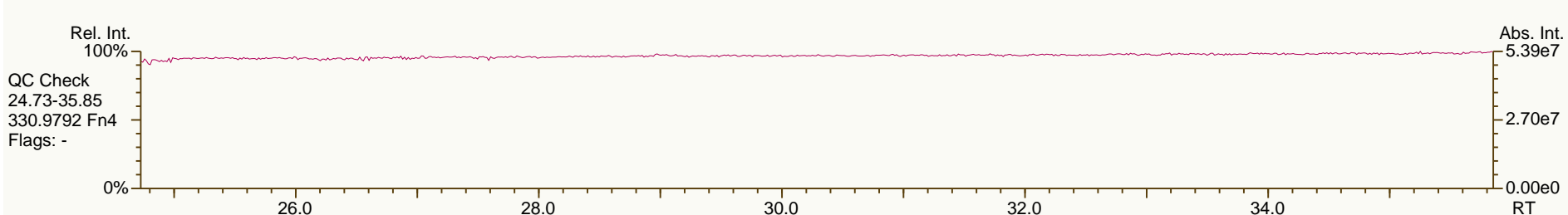
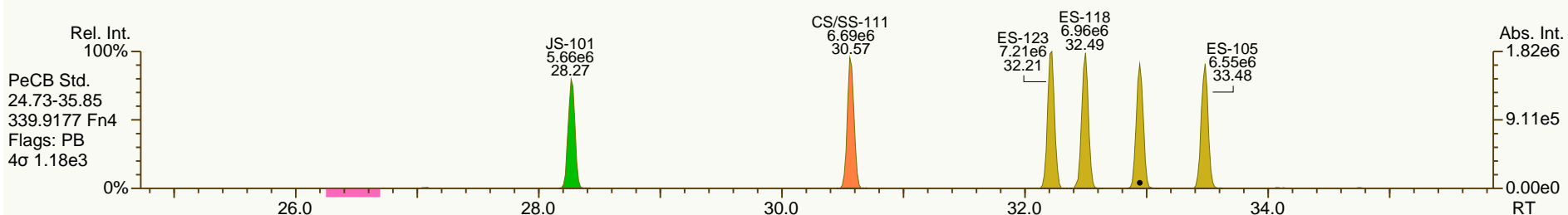
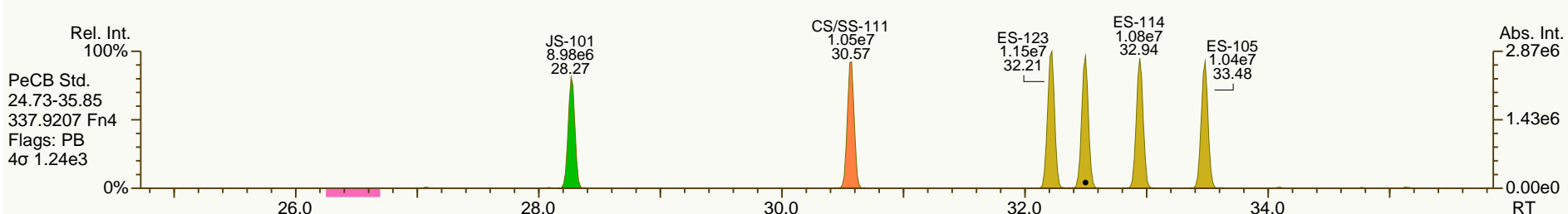
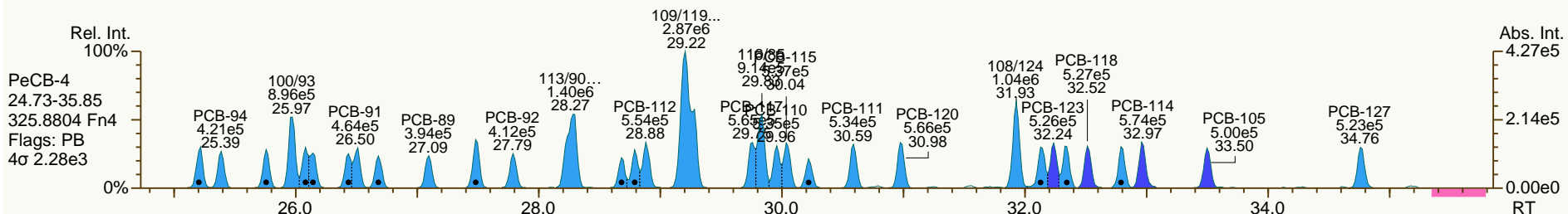
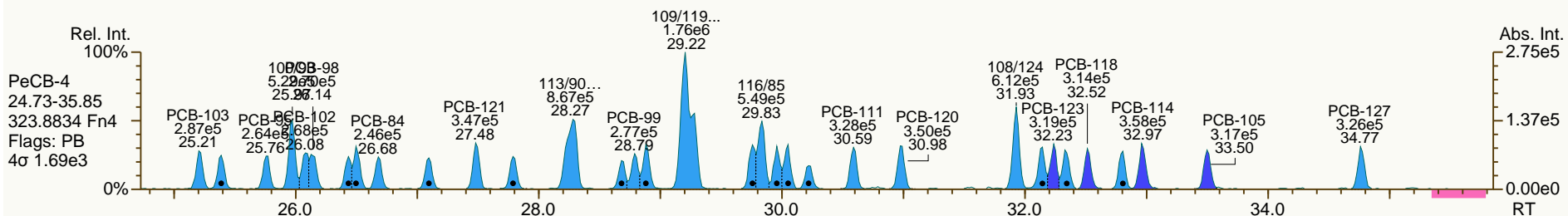
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 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

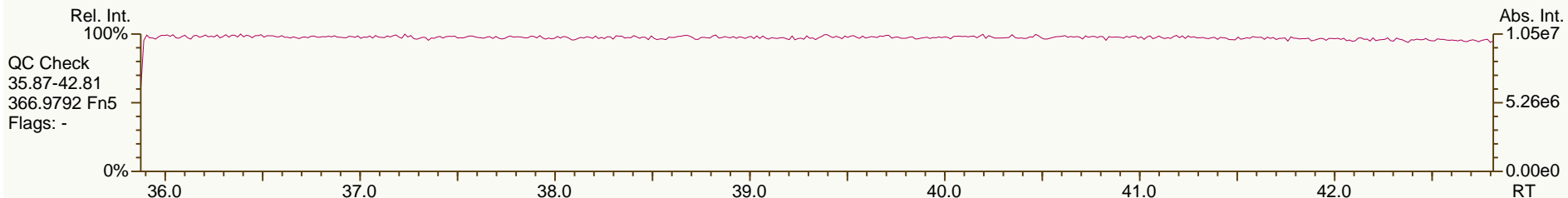
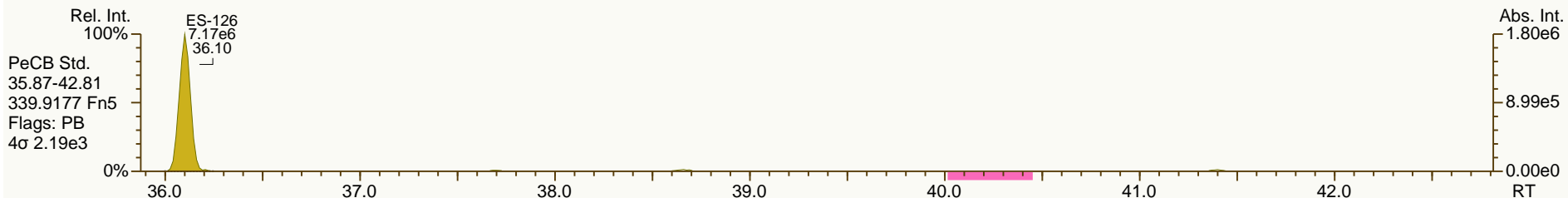
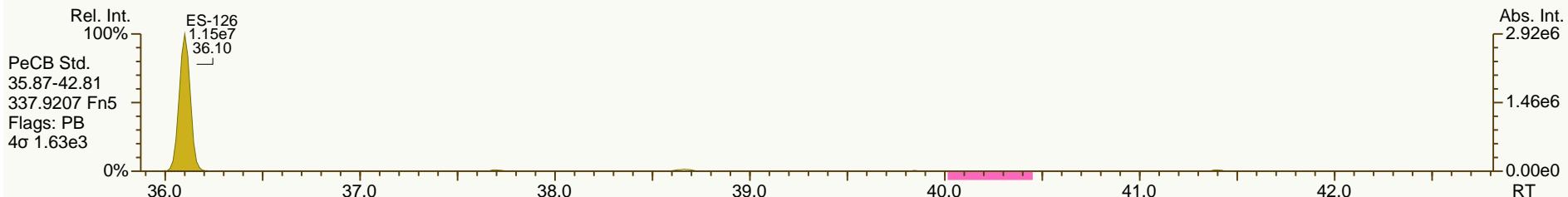
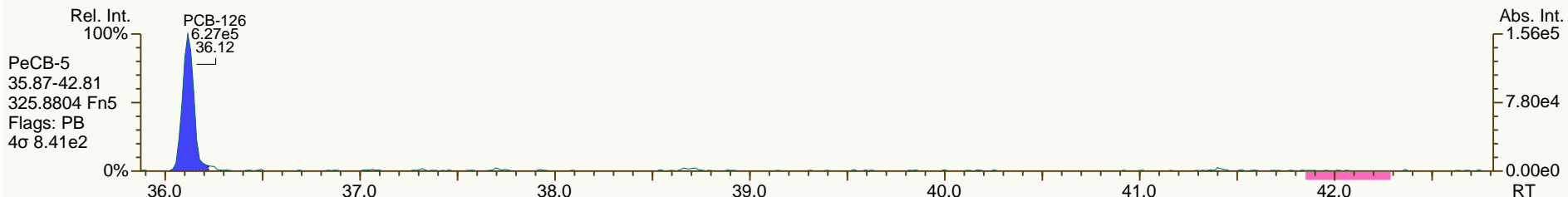
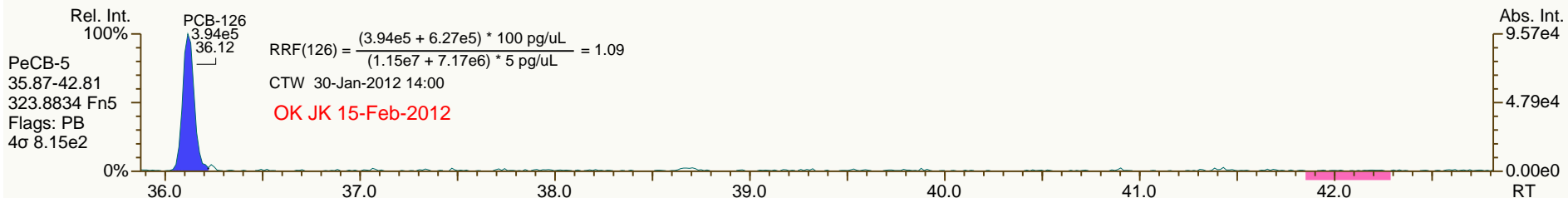
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

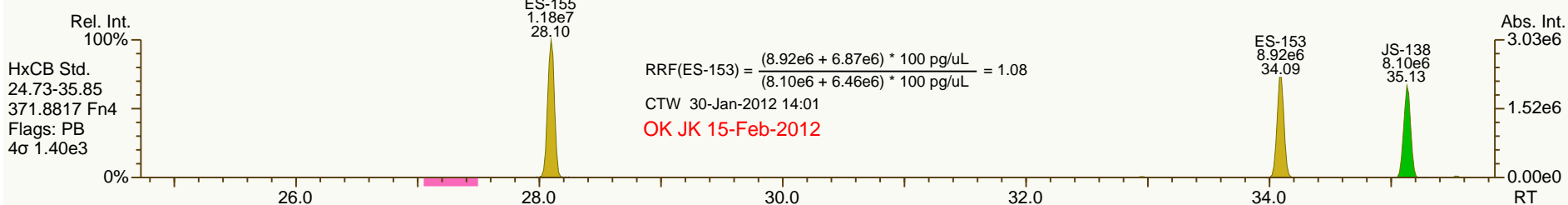
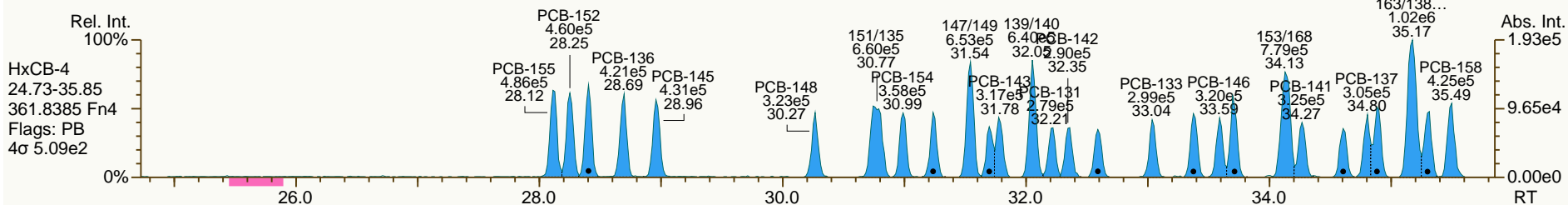
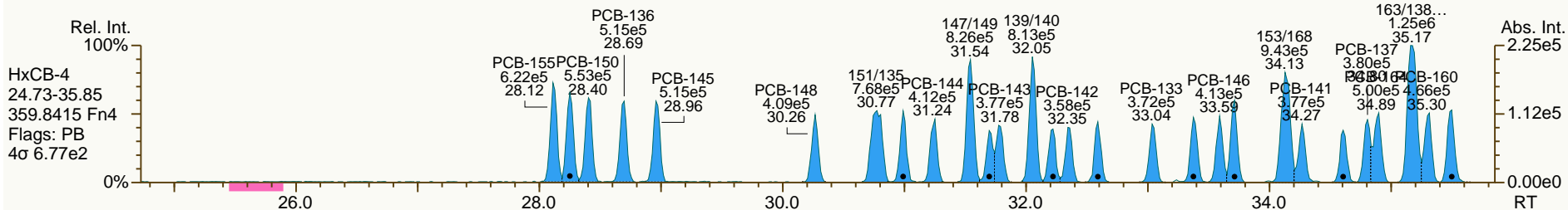
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

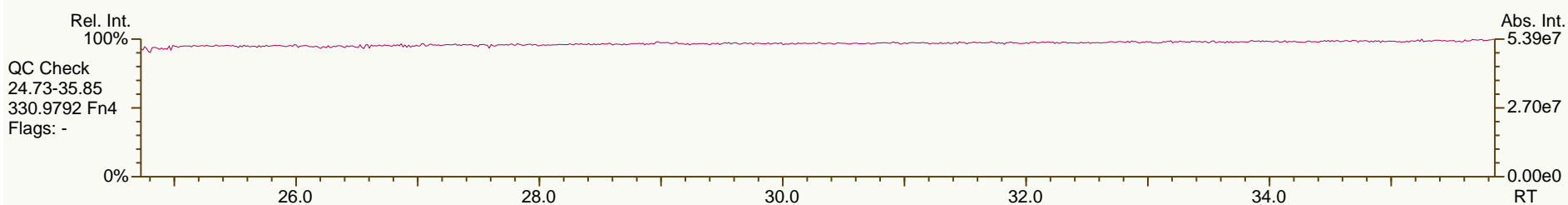
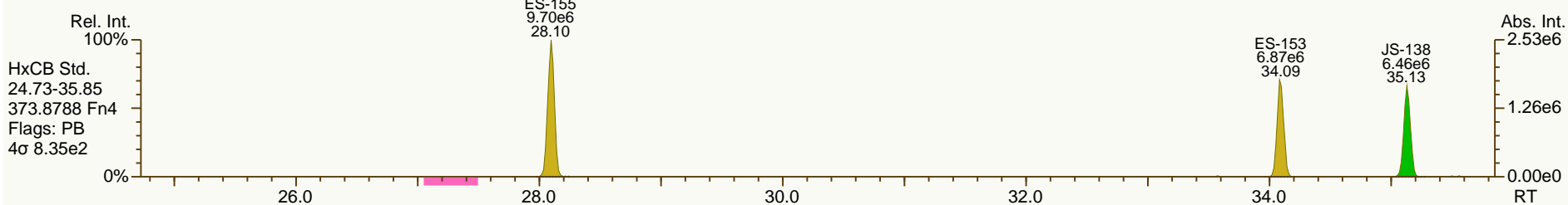
Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



$$RRF(ES-153) = \frac{(8.92e6 + 6.87e6) * 100 \text{ pg/uL}}{(8.10e6 + 6.46e6) * 100 \text{ pg/uL}} = 1.08$$

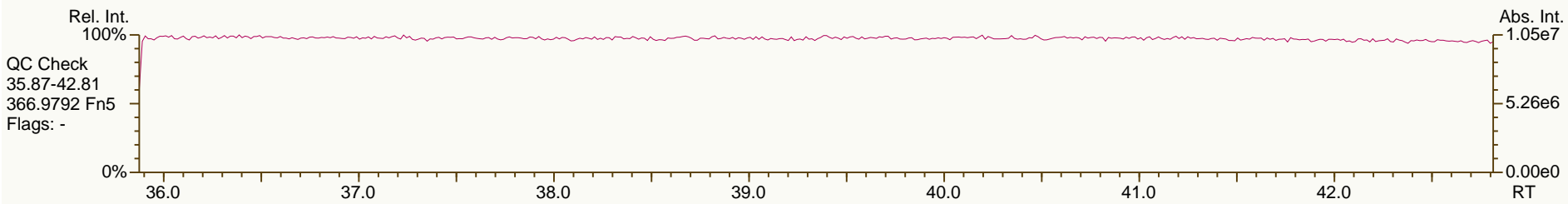
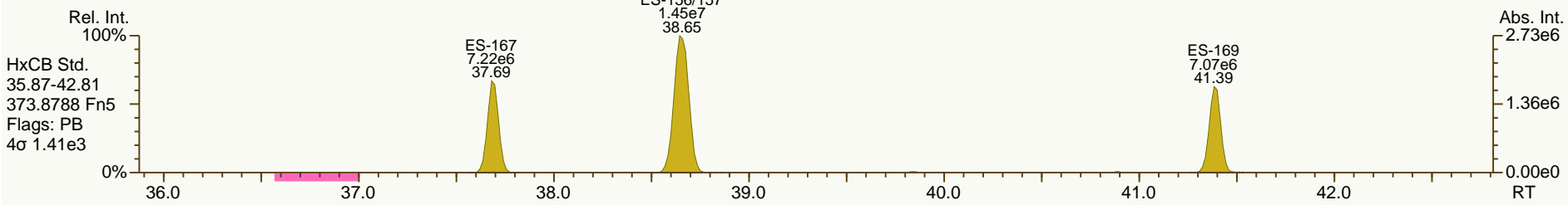
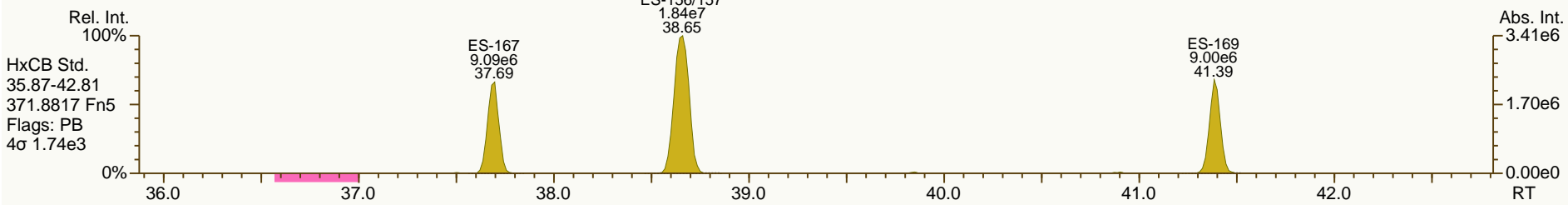
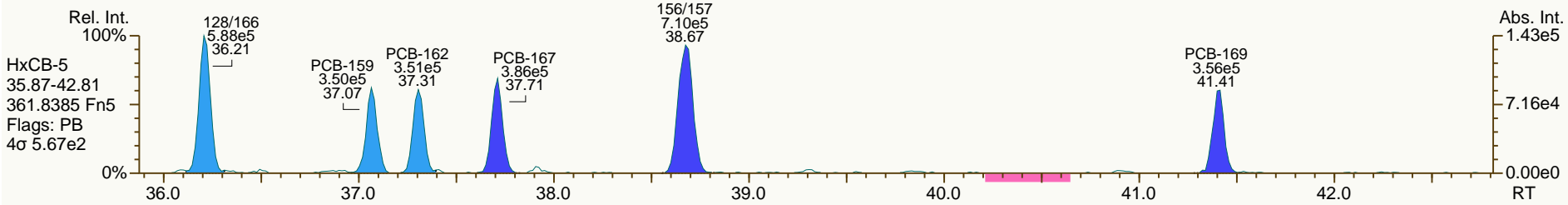
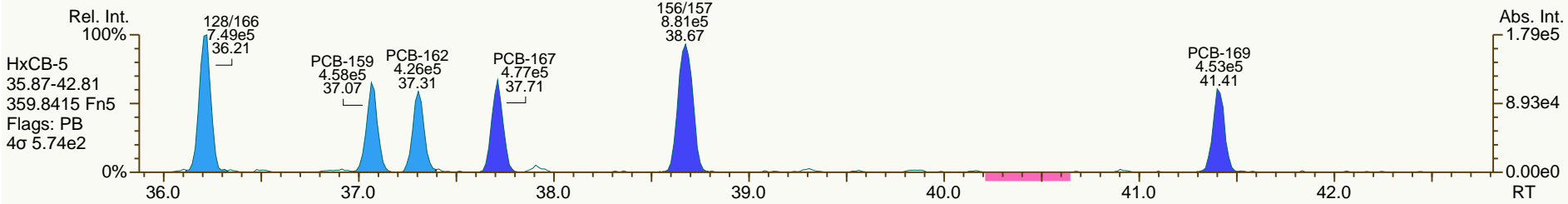
CTW 30-Jan-2012 14:01



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

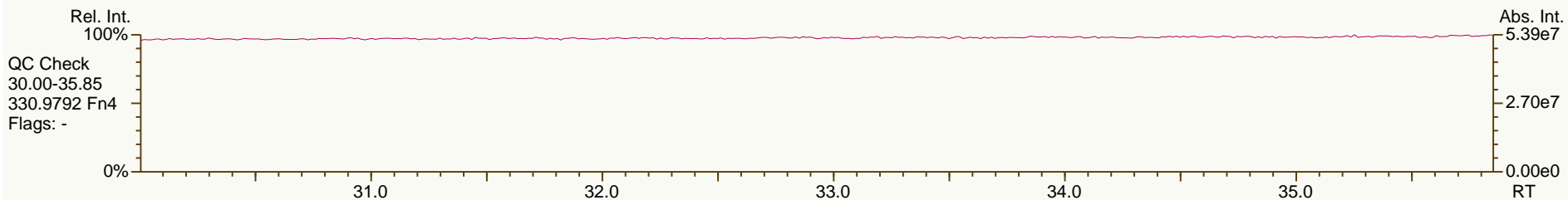
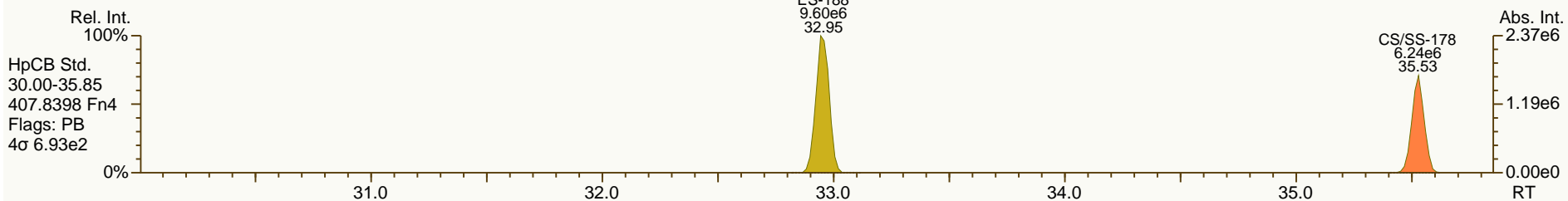
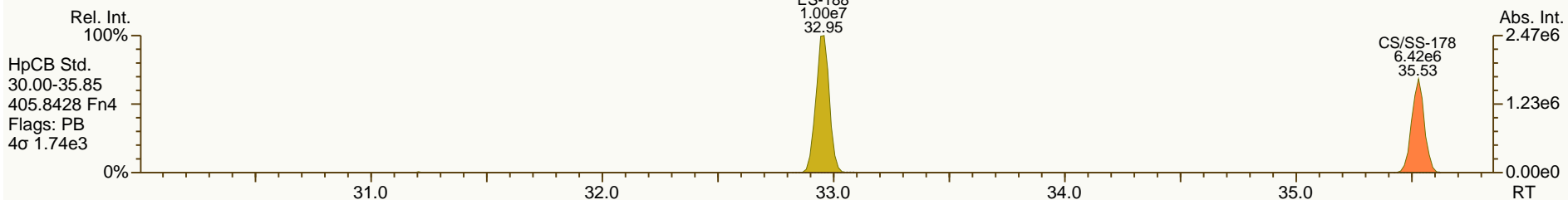
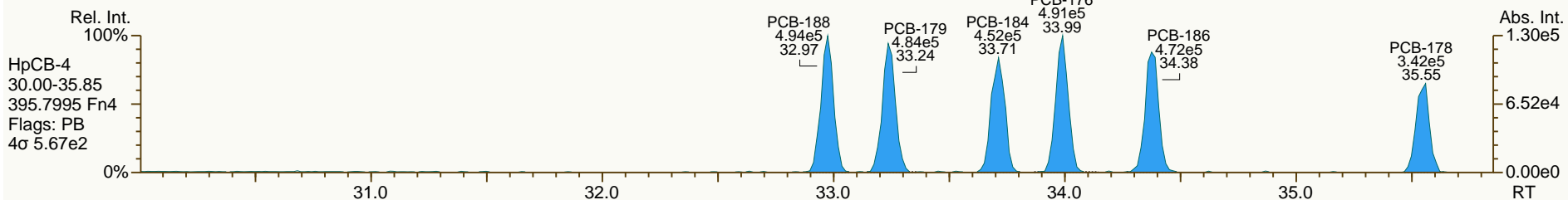
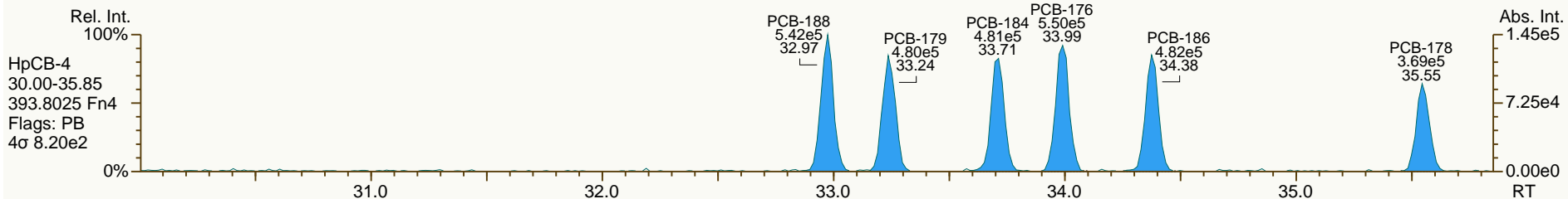
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 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

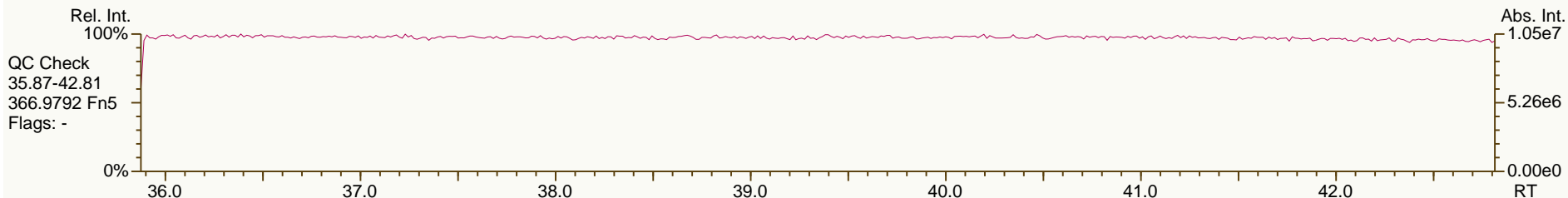
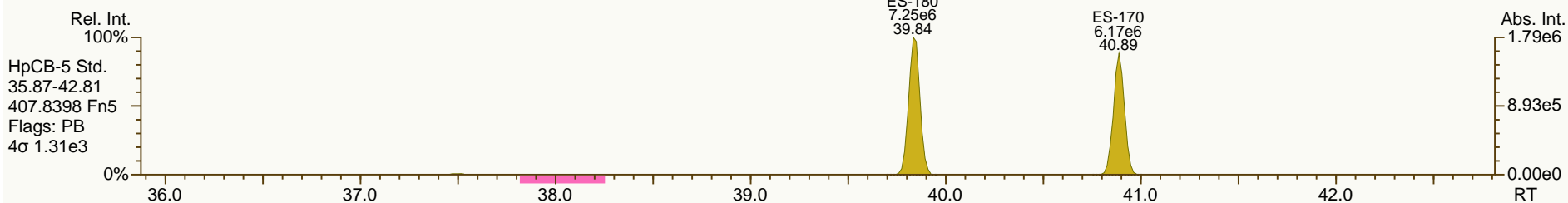
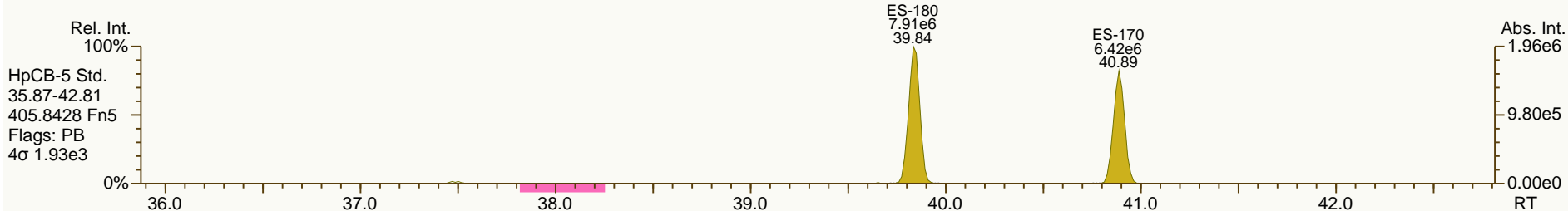
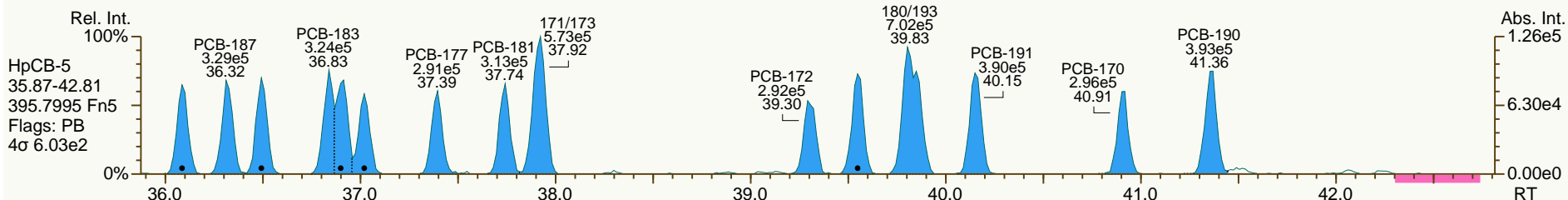
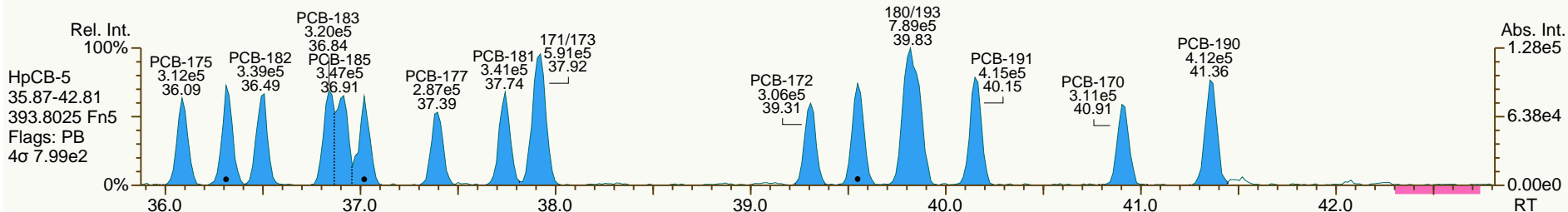
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

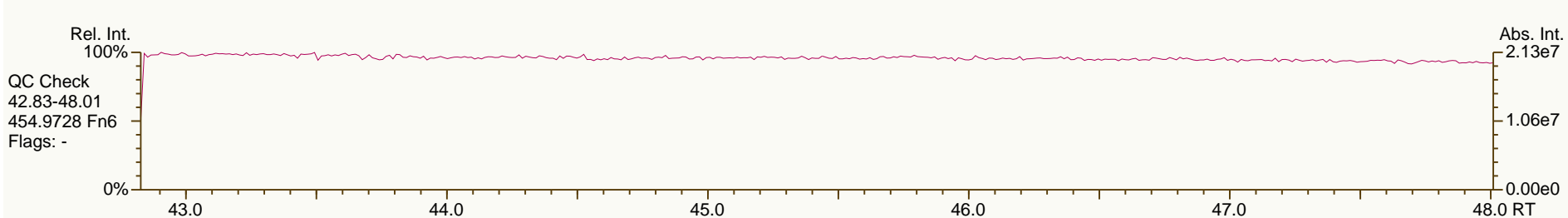
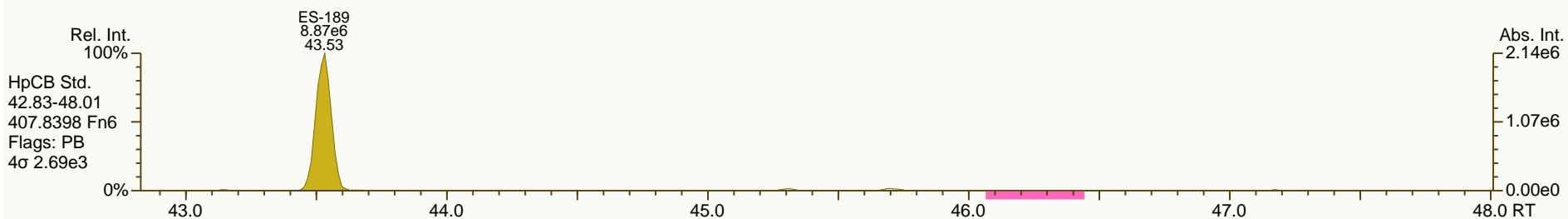
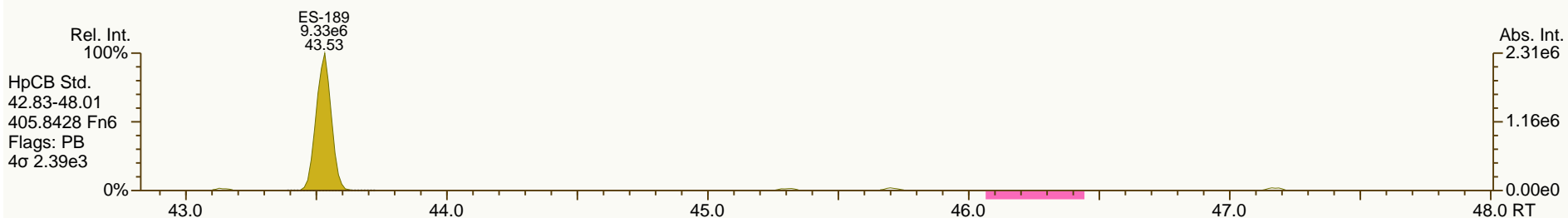
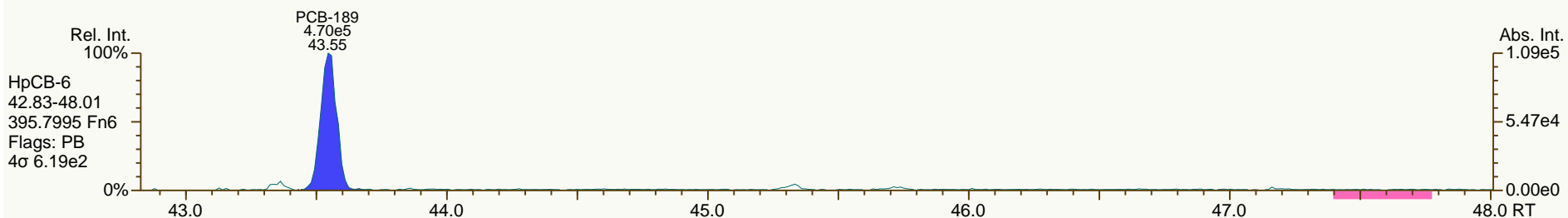
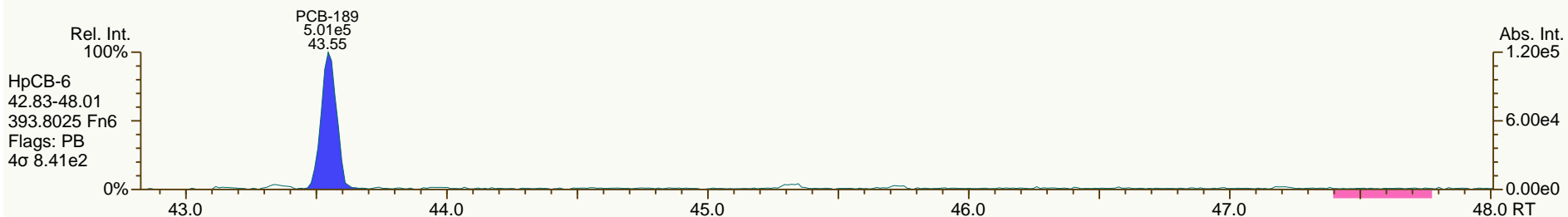
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

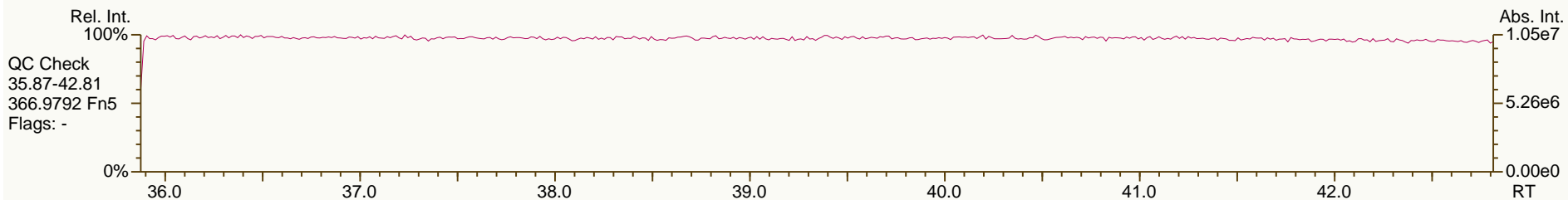
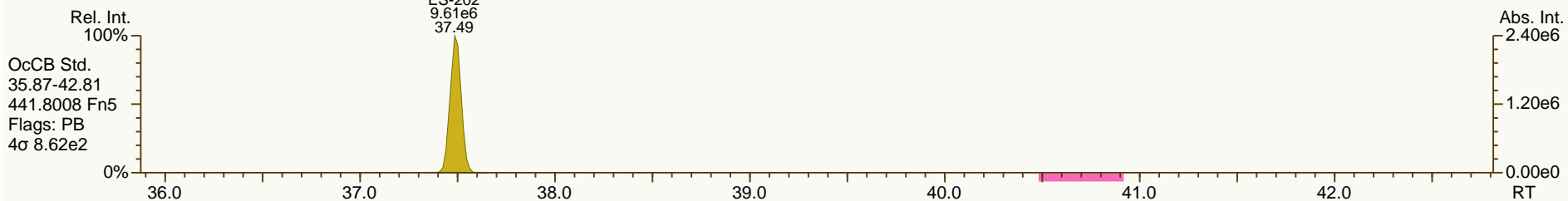
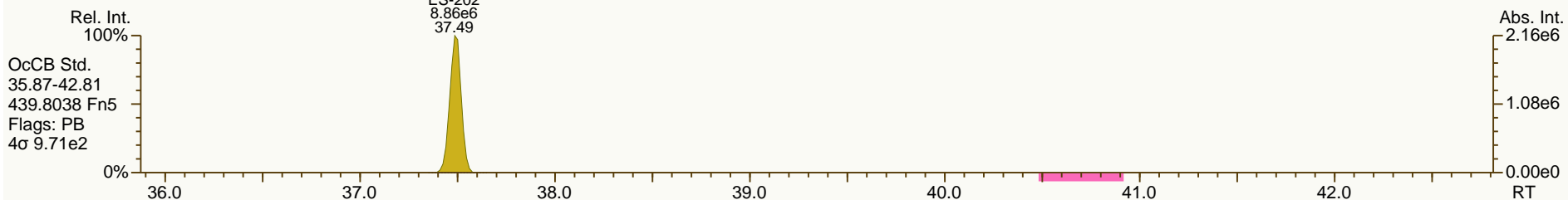
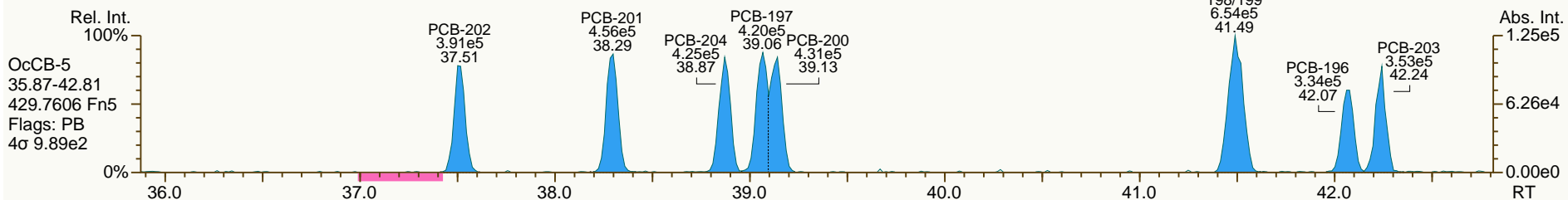
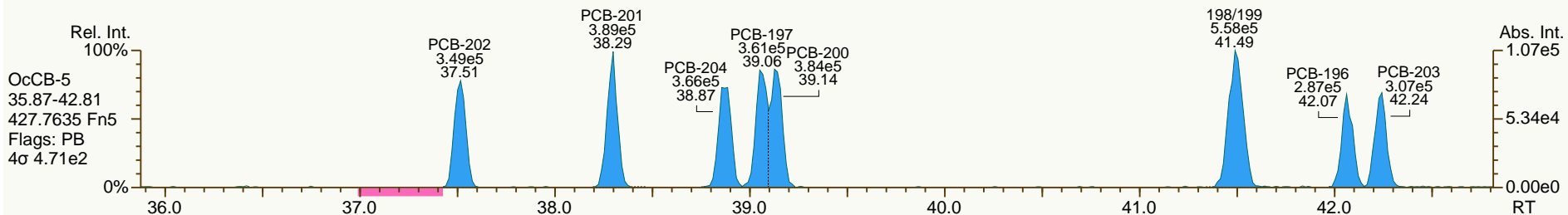
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

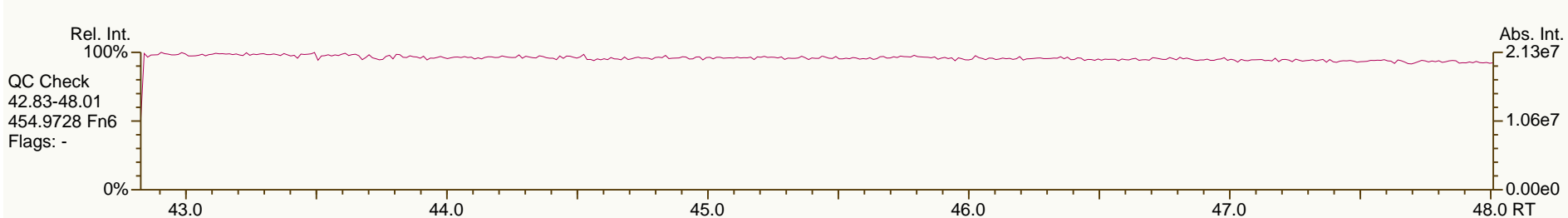
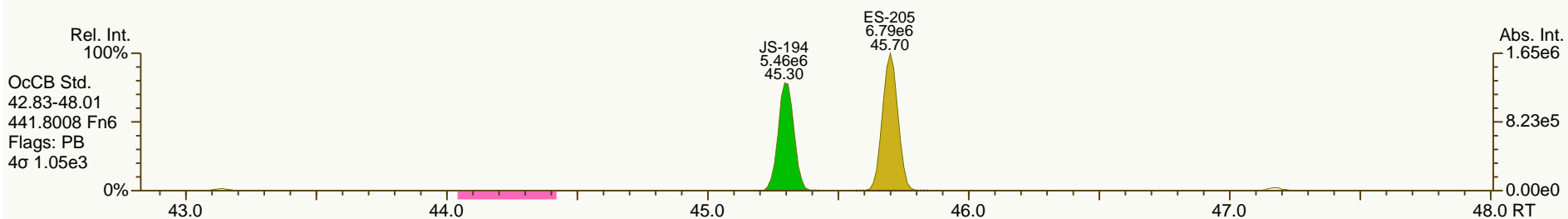
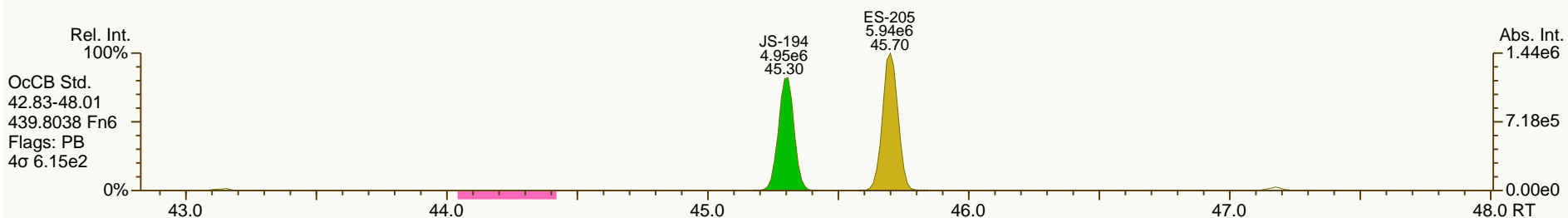
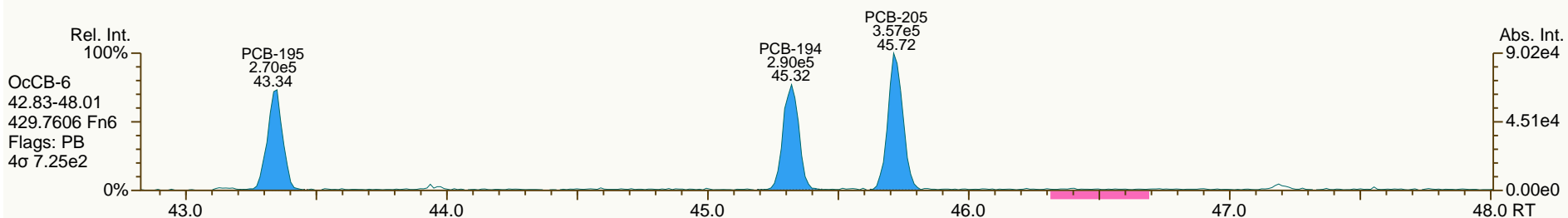
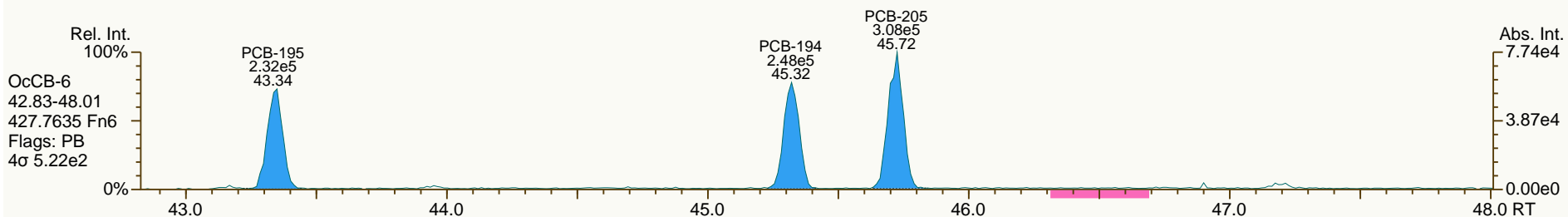
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

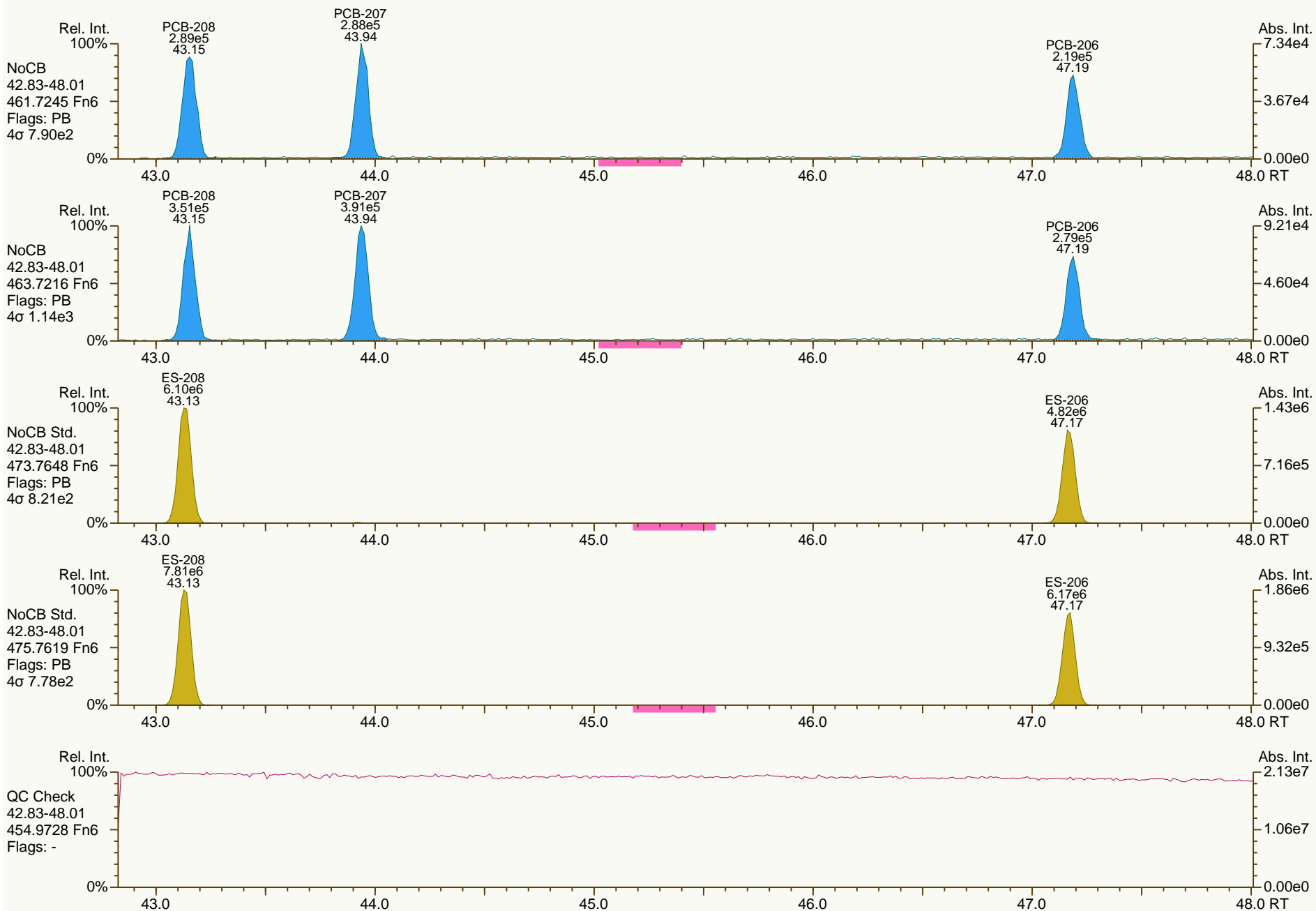
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

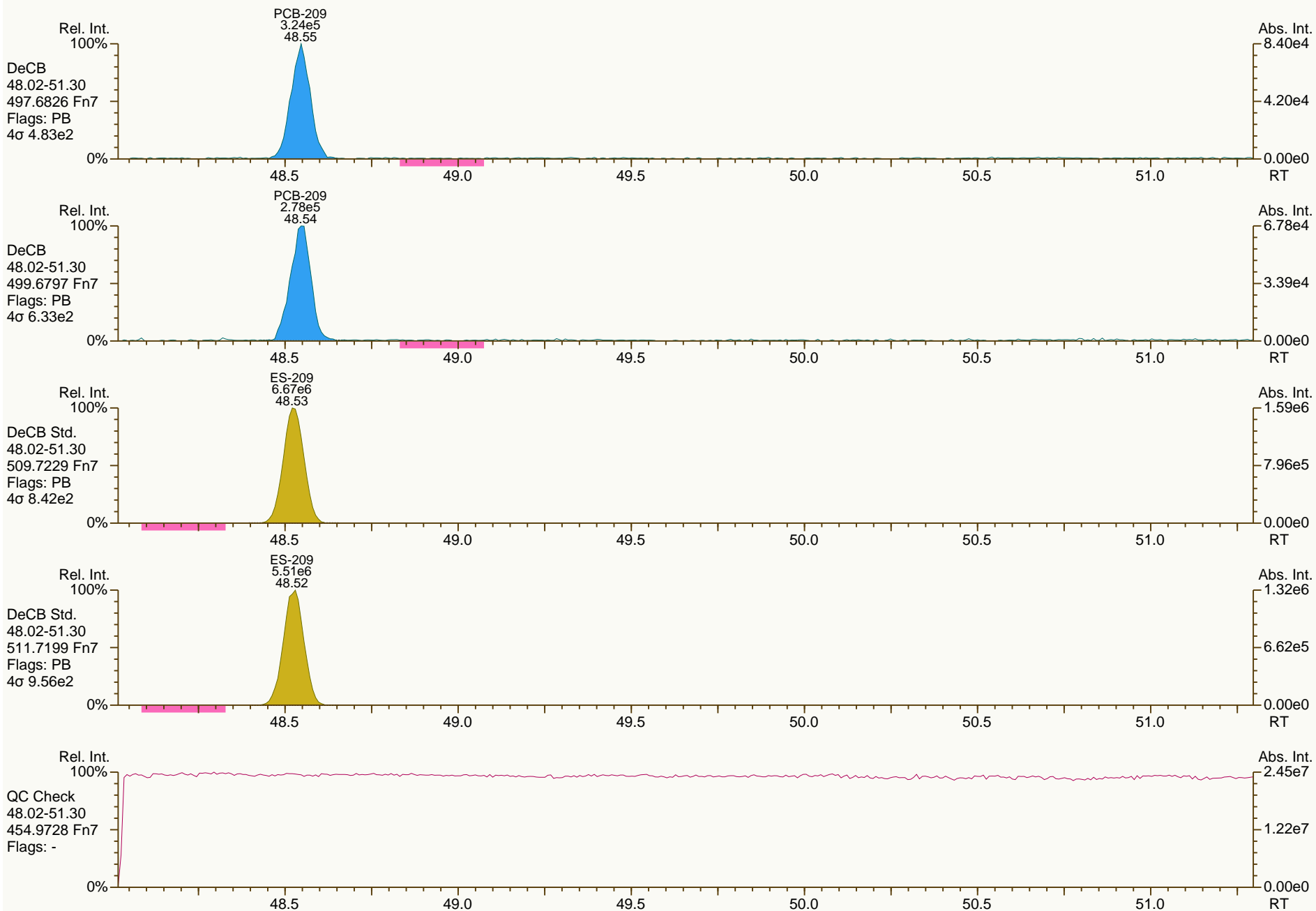
Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB				ICAL: MM4_PCB_01102012_26JAN12		
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%	
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%	
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%	
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%	
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%	
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%	
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%	
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%	
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%	
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%	
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%	
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%	
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%	
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%	
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%	
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%	
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%	
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%	
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%	
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%	
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%	
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%	
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%	
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%	
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%	
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%	
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%	
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%	
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%	
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%	
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%	
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%	
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%	
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%	
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%	
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%	
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%	
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%	
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%	
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%	
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

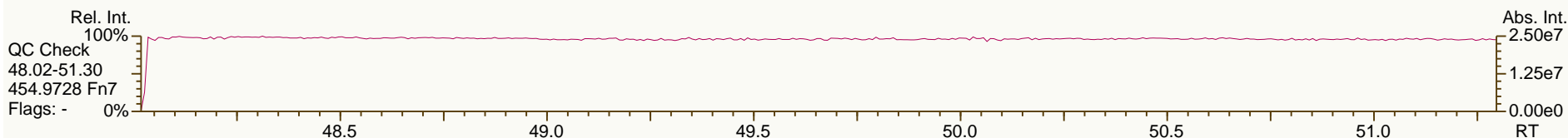
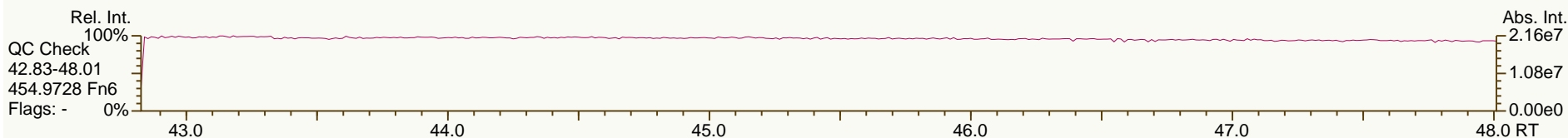
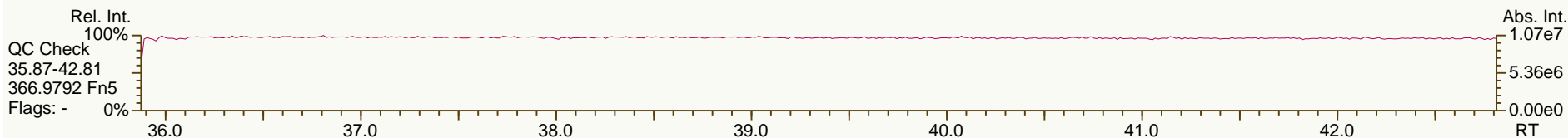
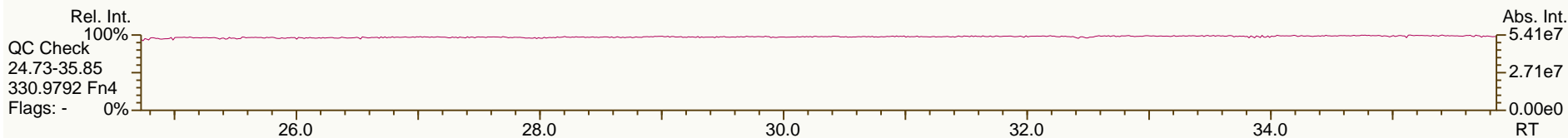
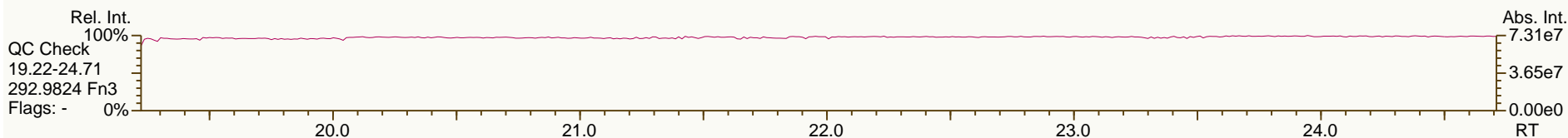
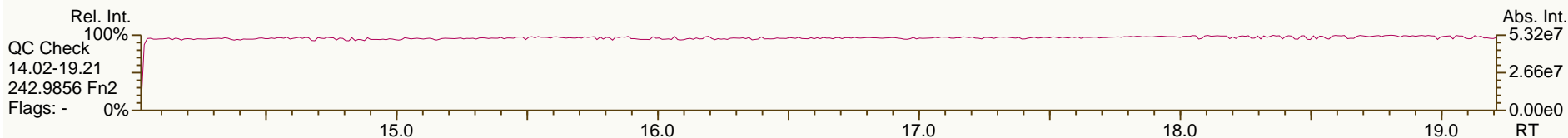
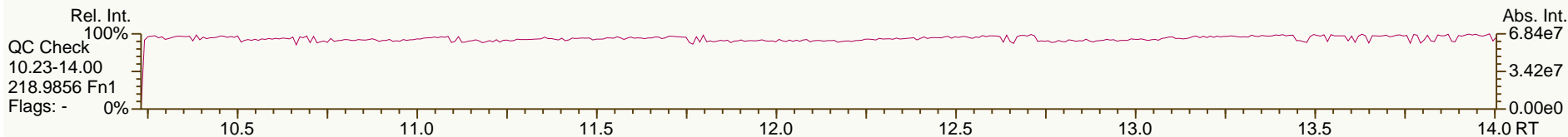
PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5'-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

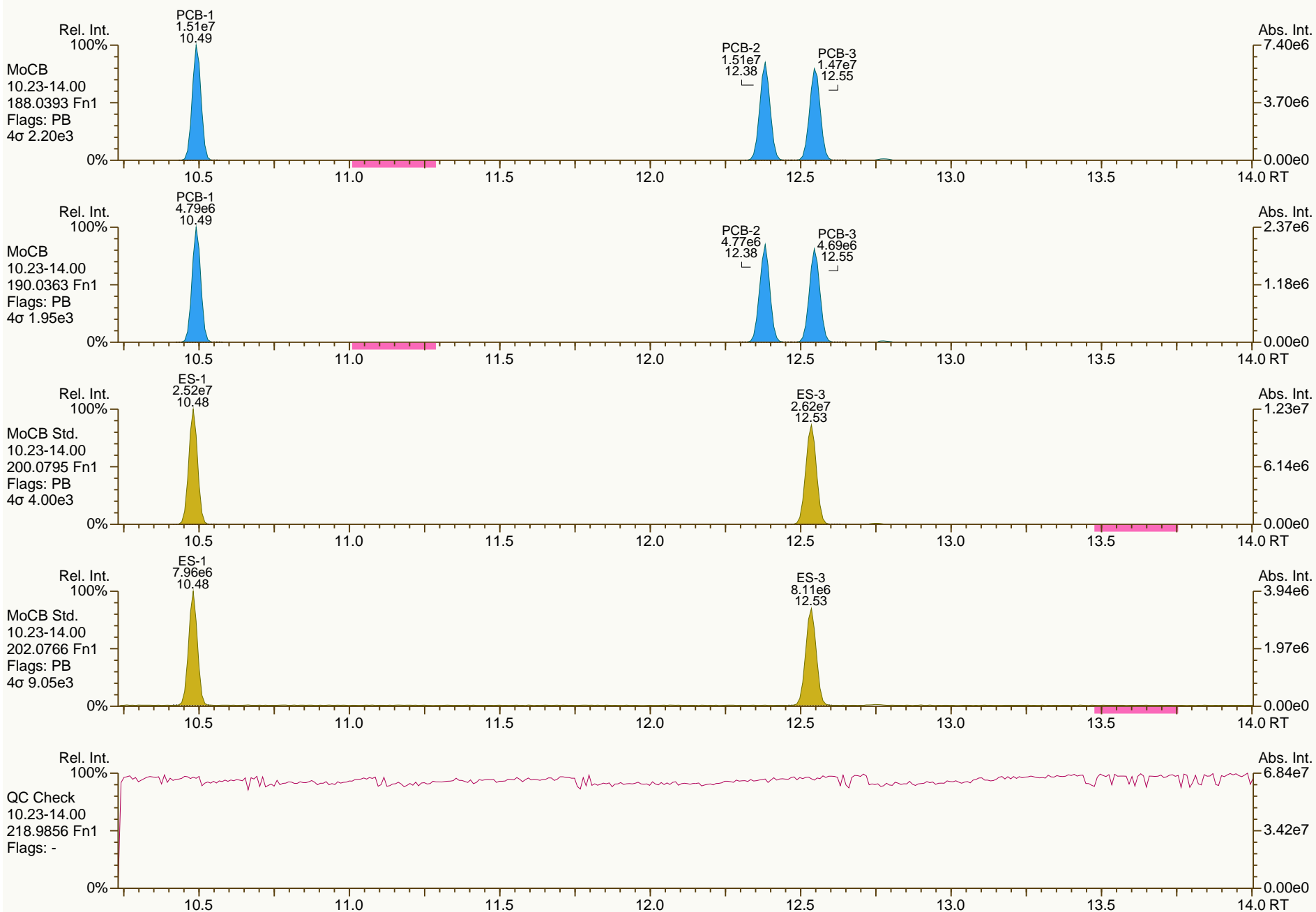
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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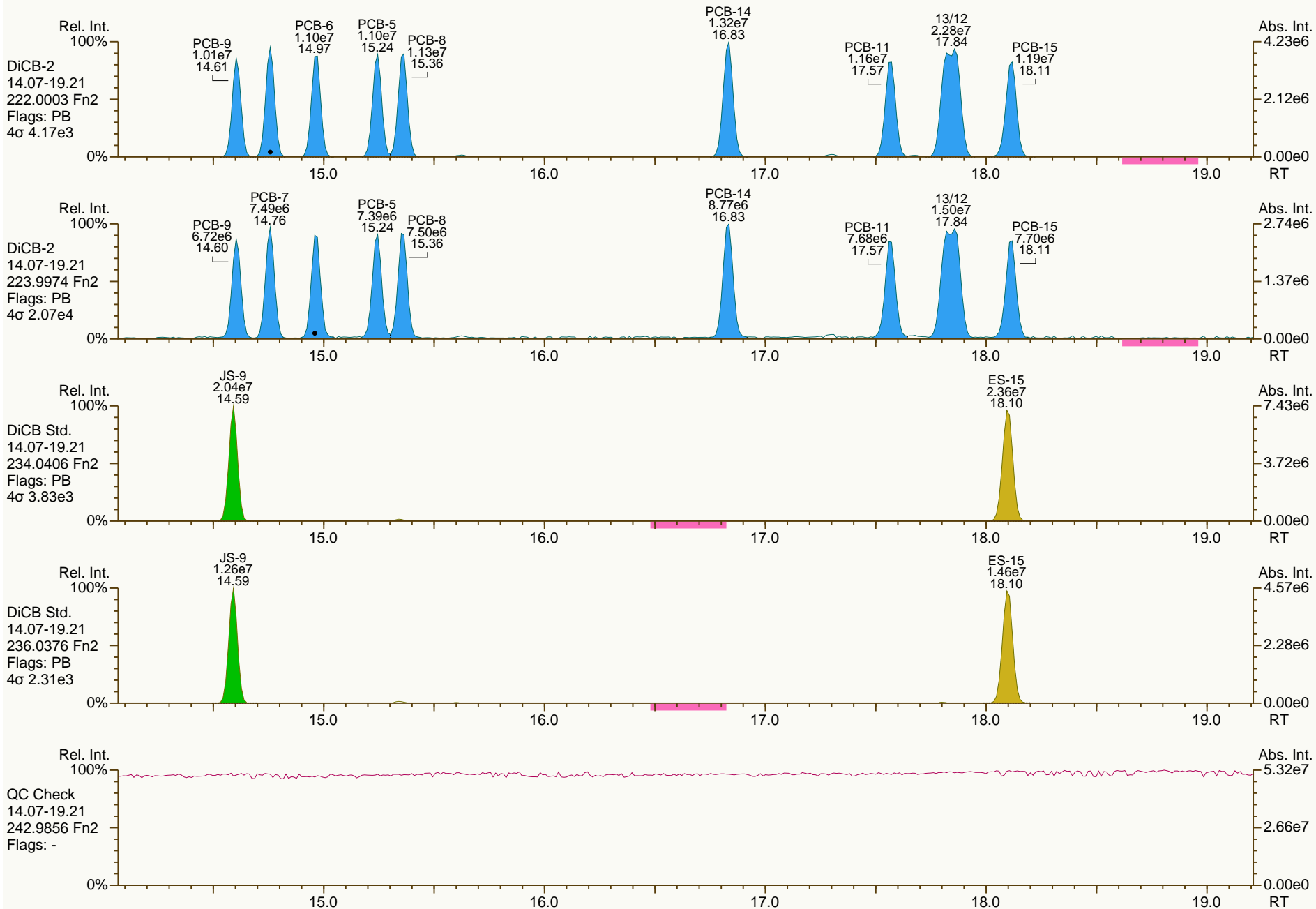
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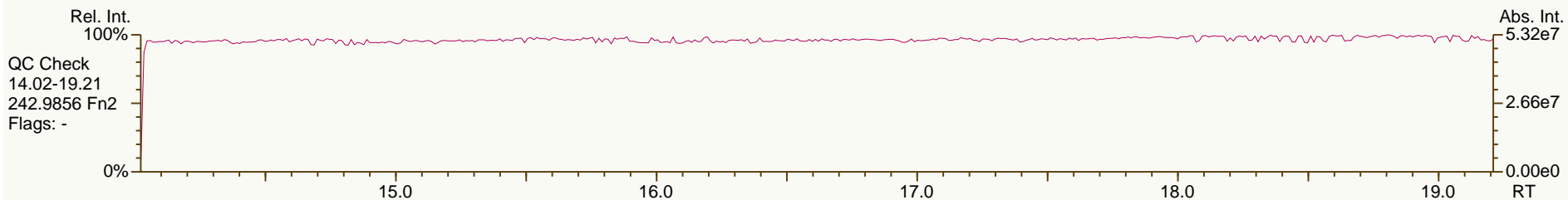
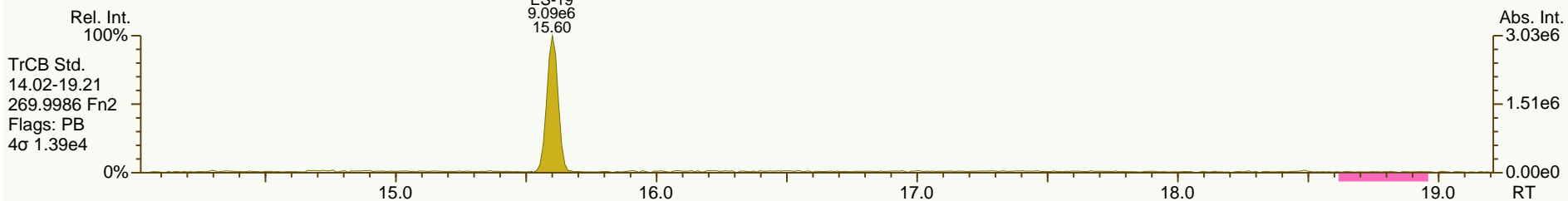
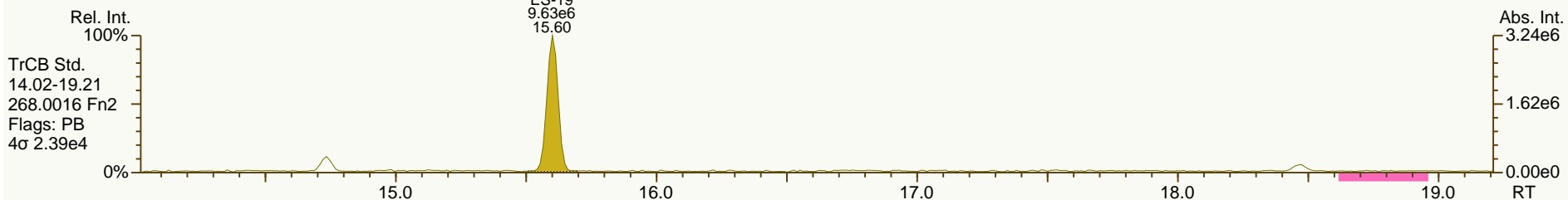
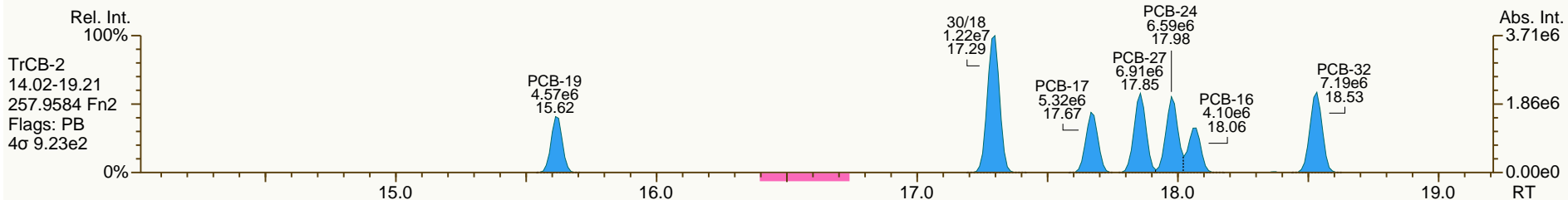
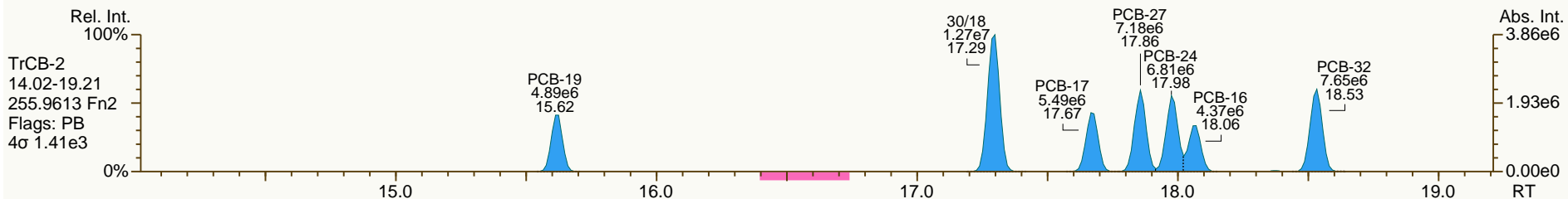
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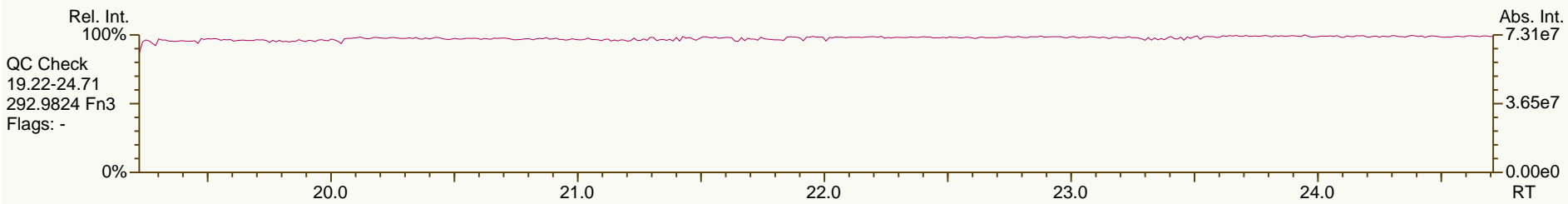
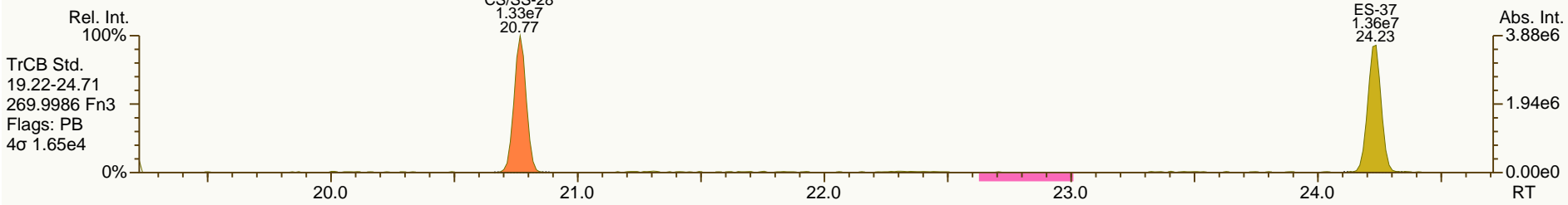
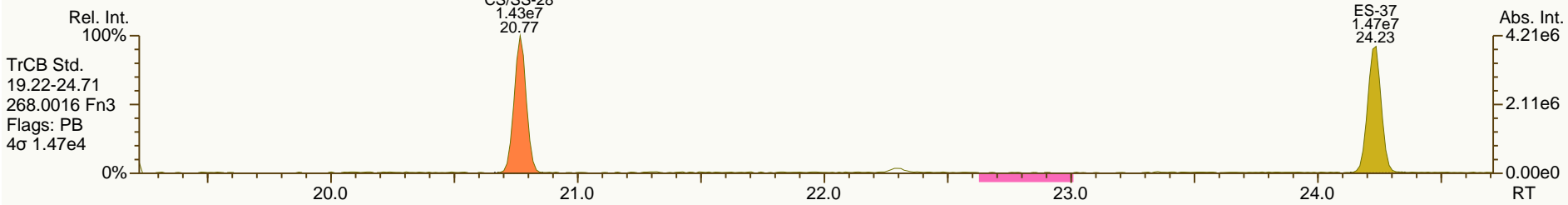
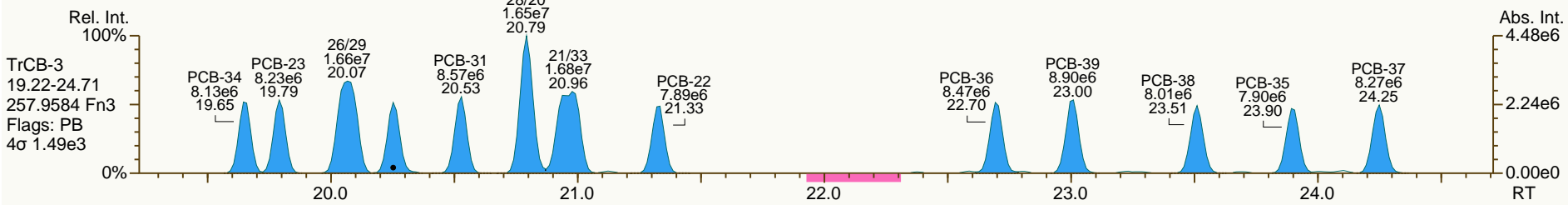
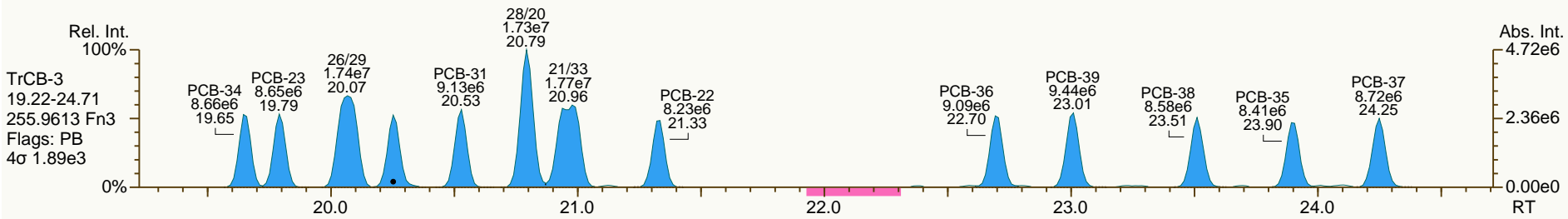
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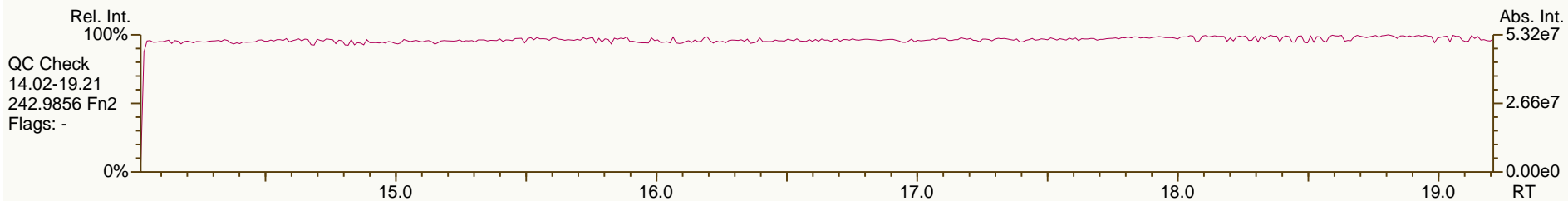
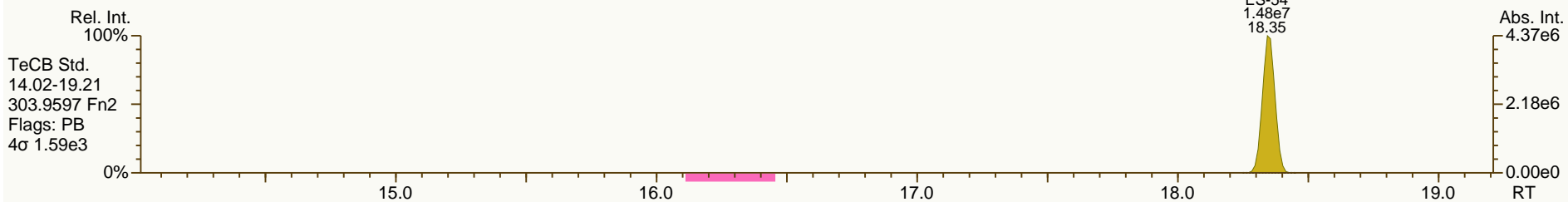
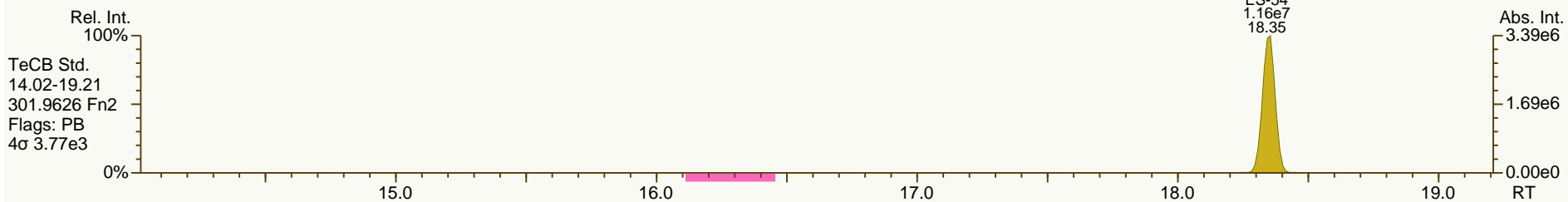
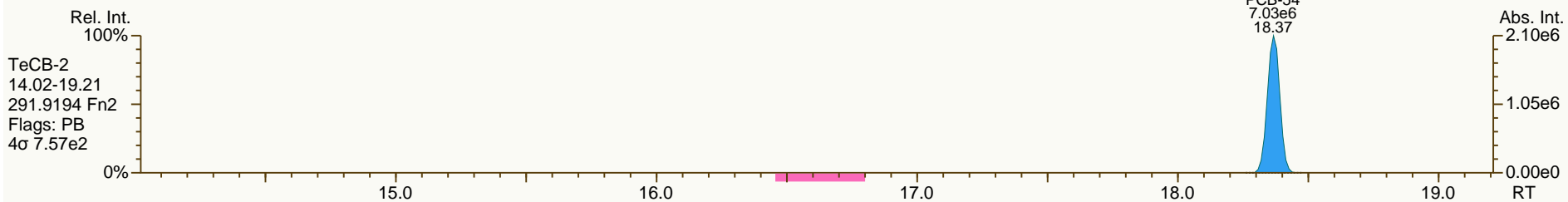
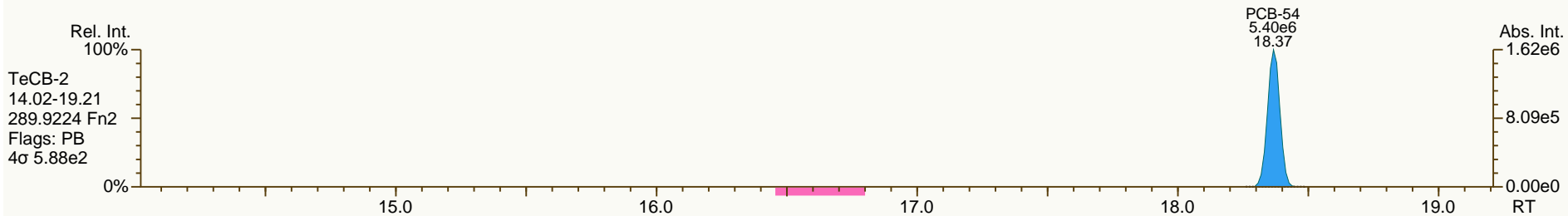
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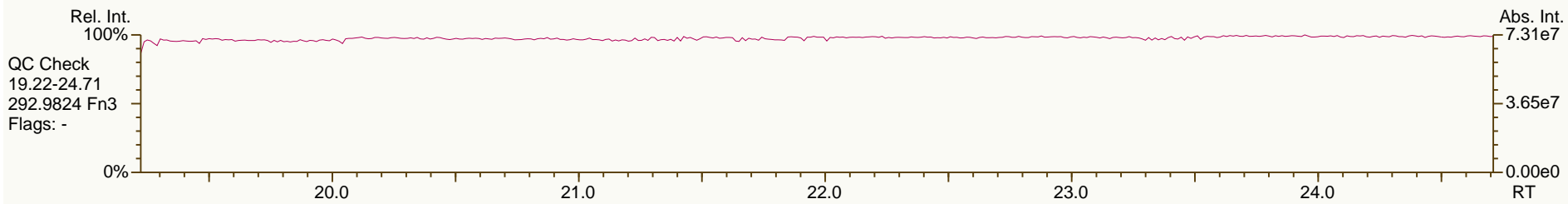
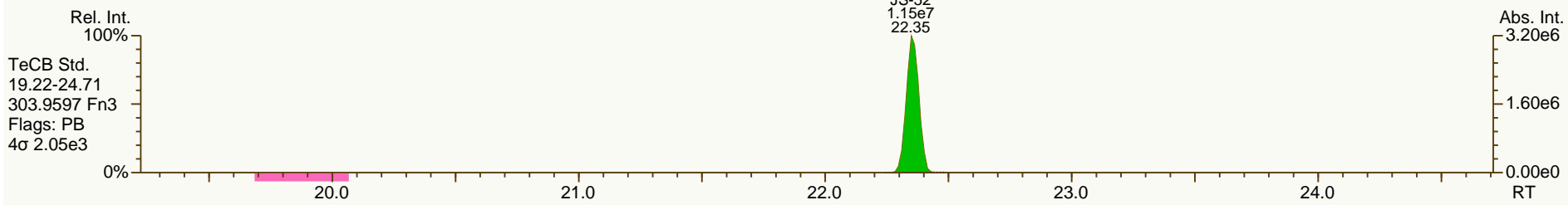
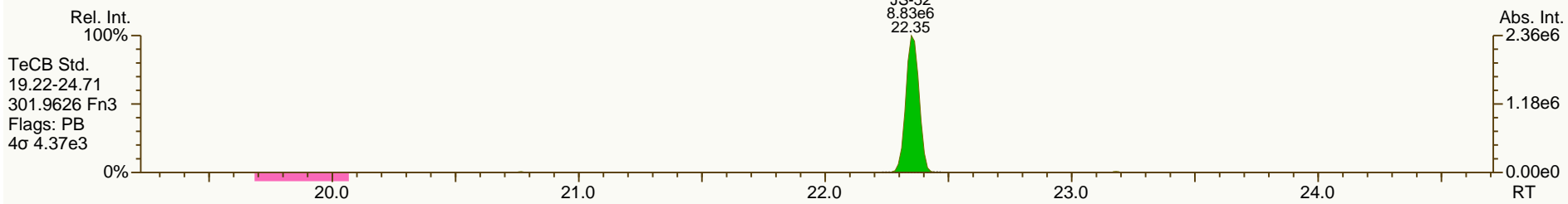
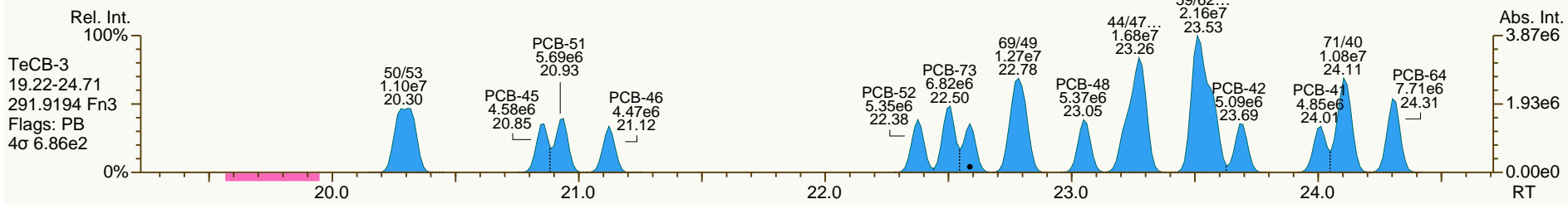
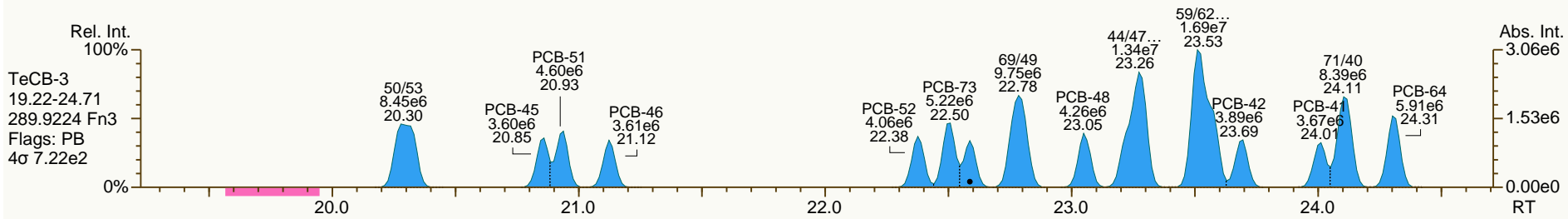
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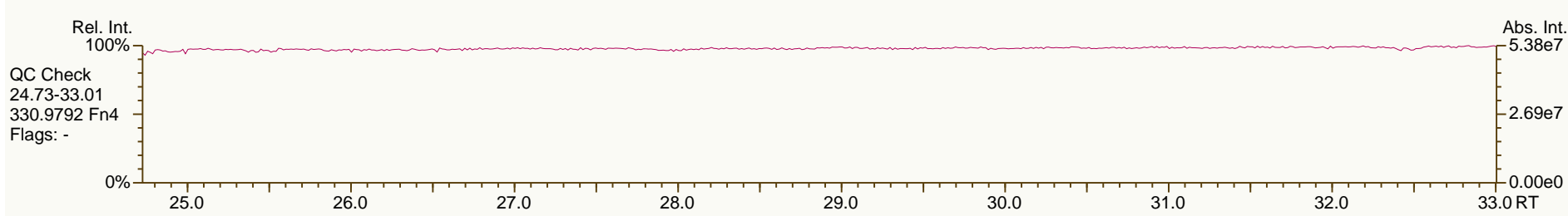
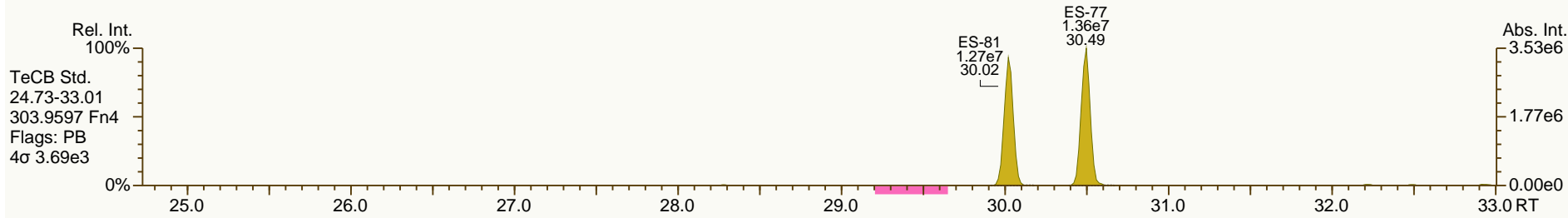
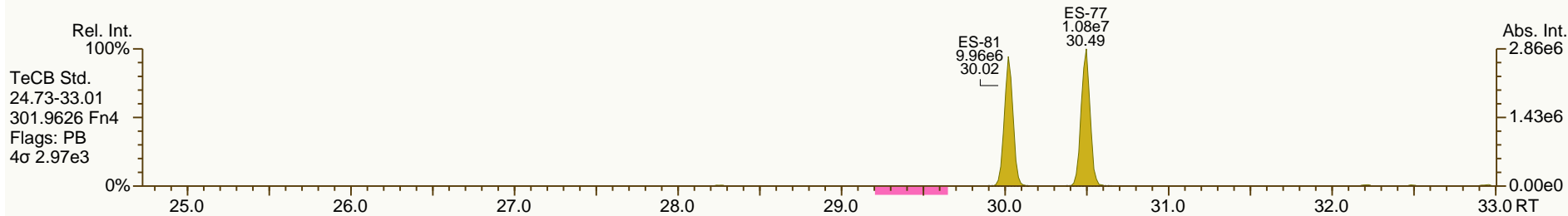
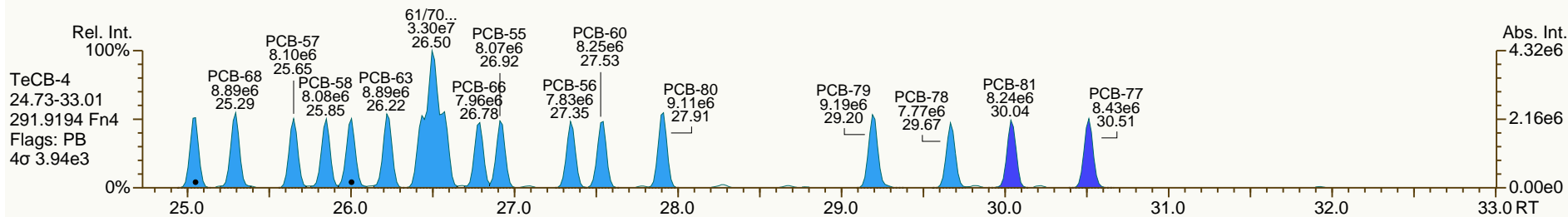
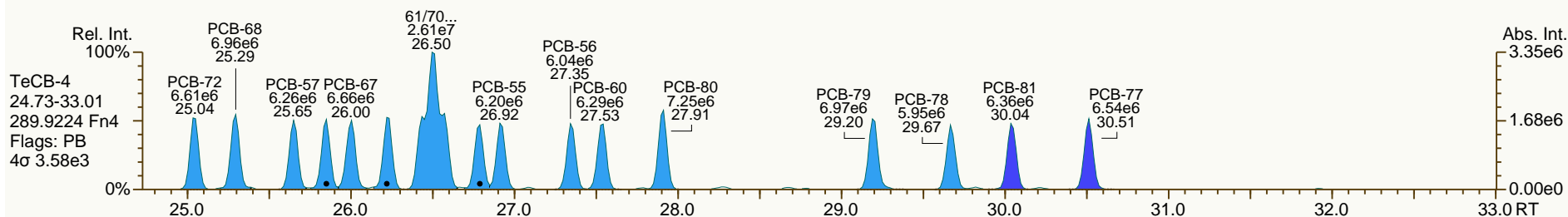
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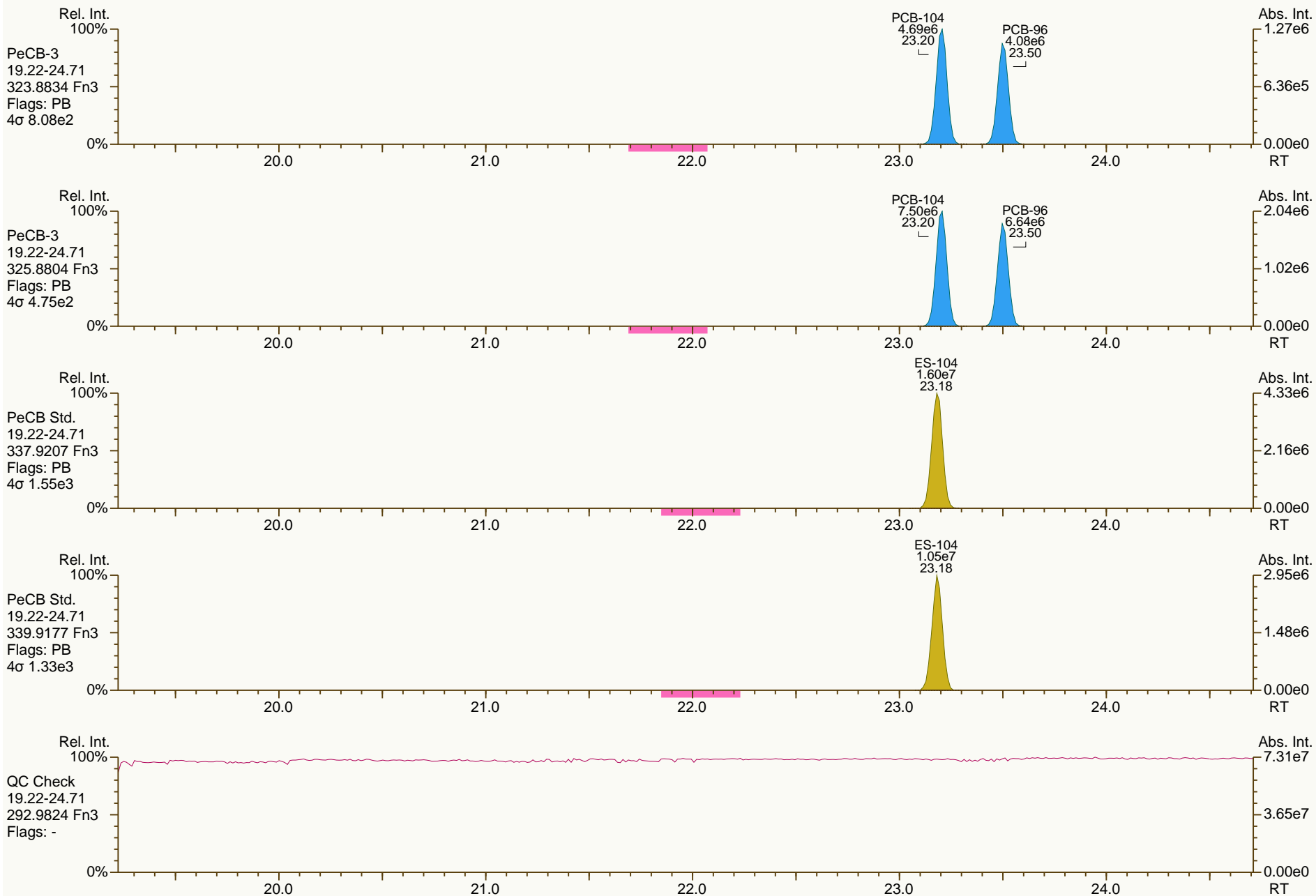
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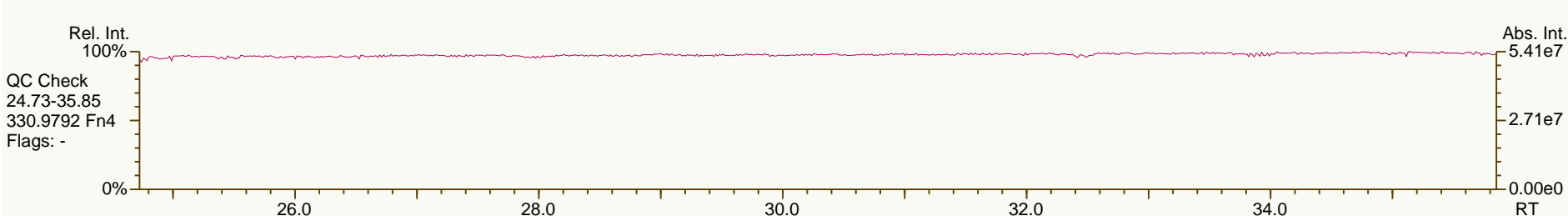
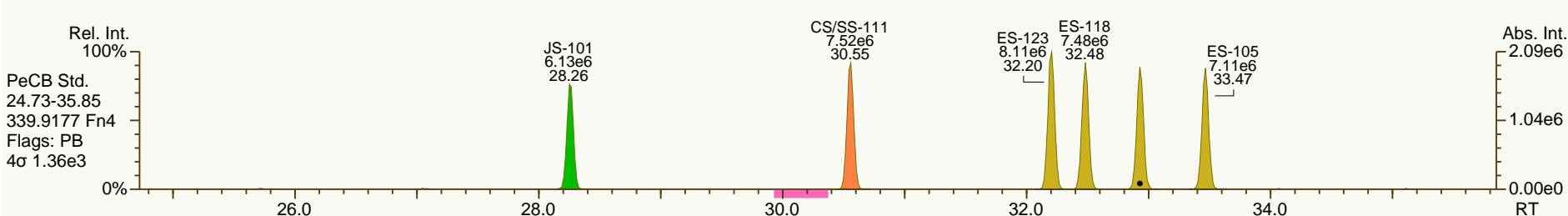
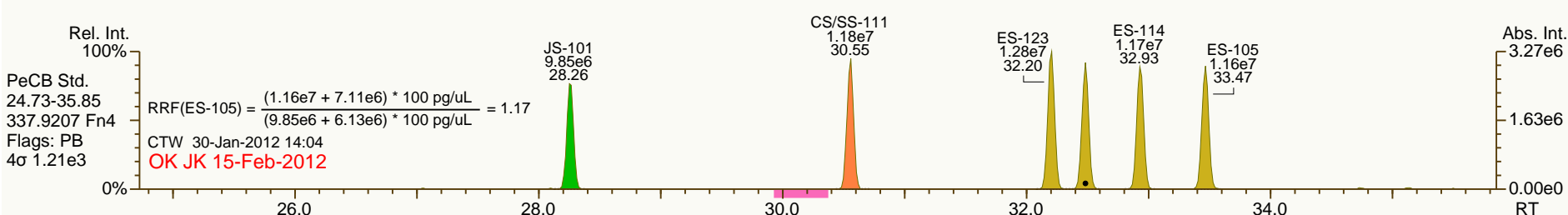
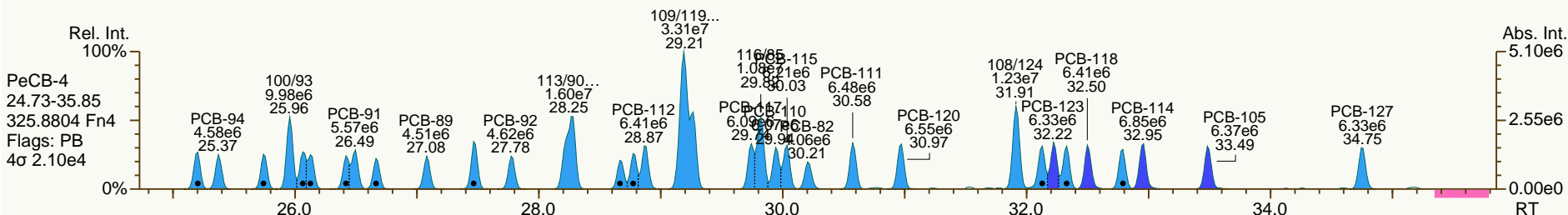
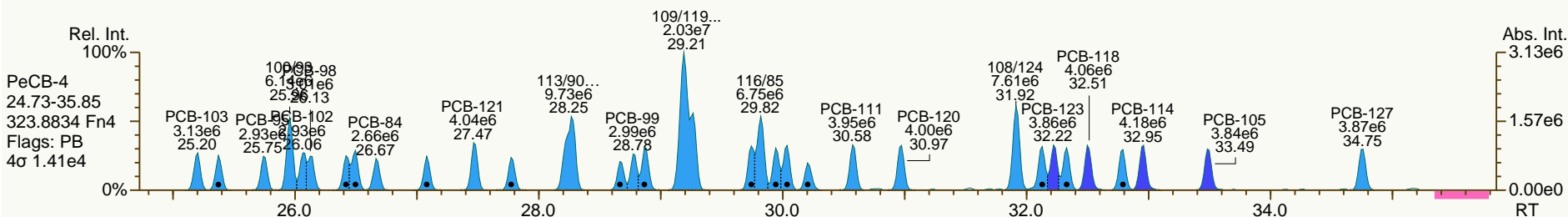
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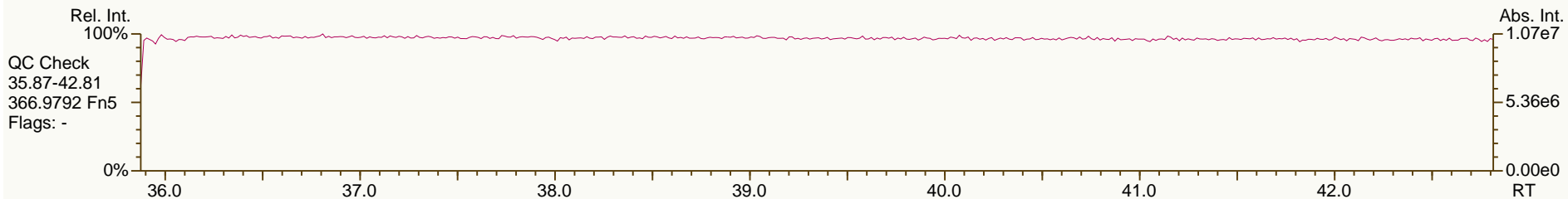
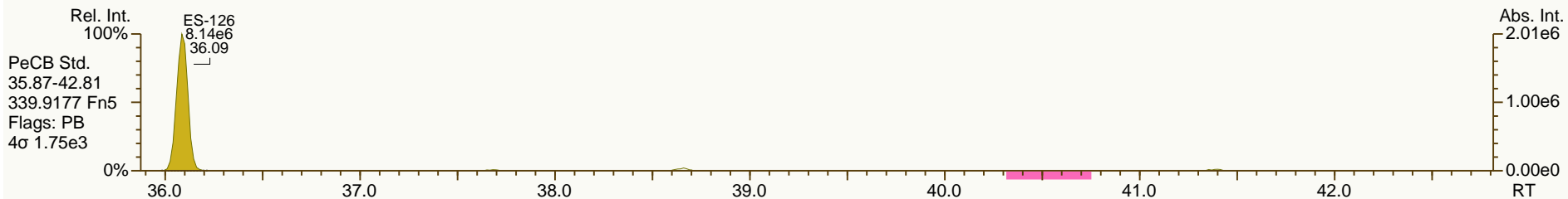
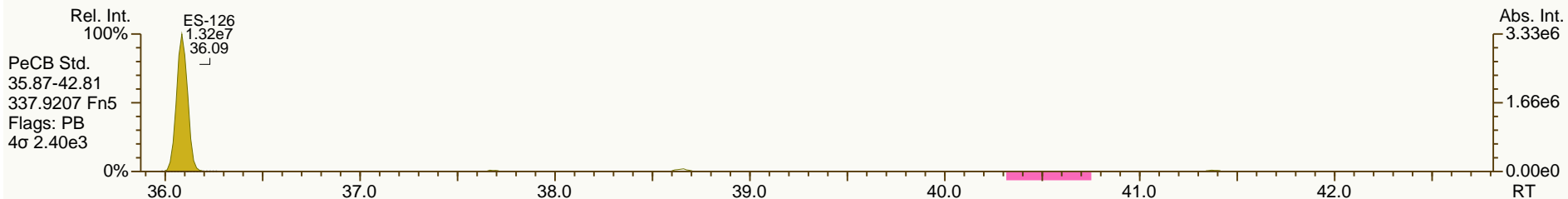
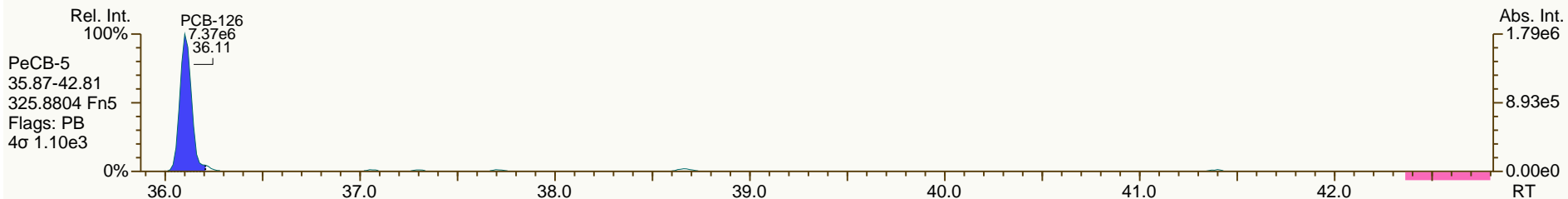
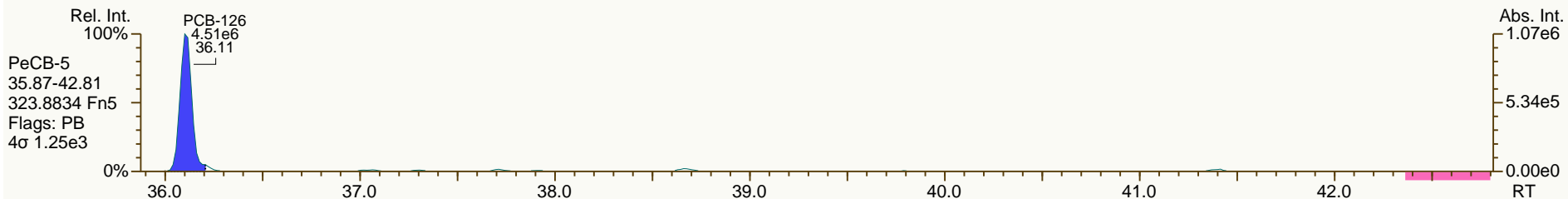
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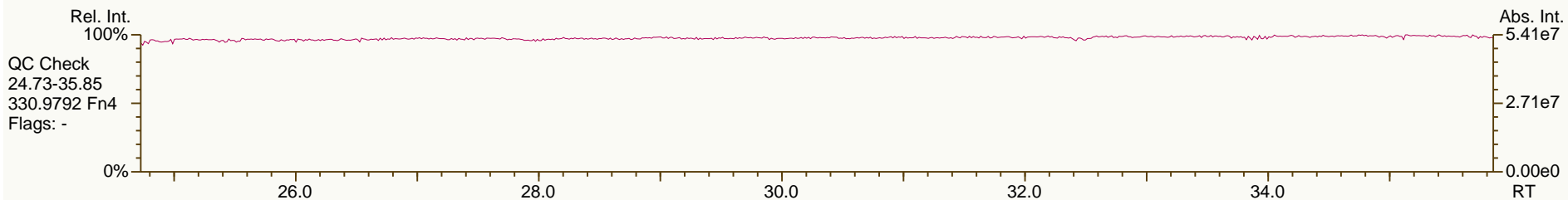
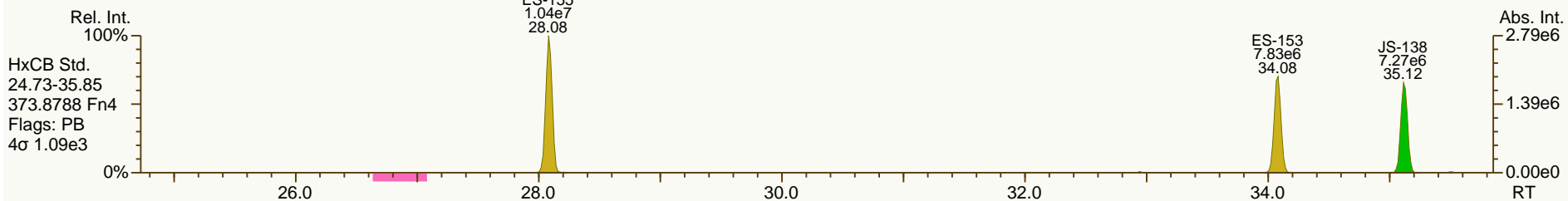
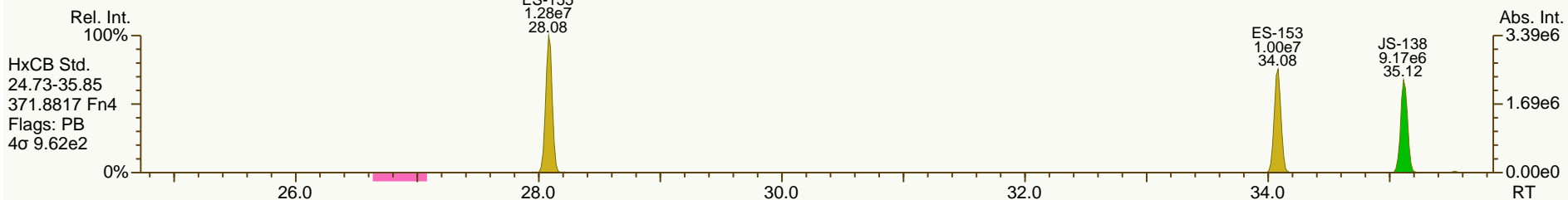
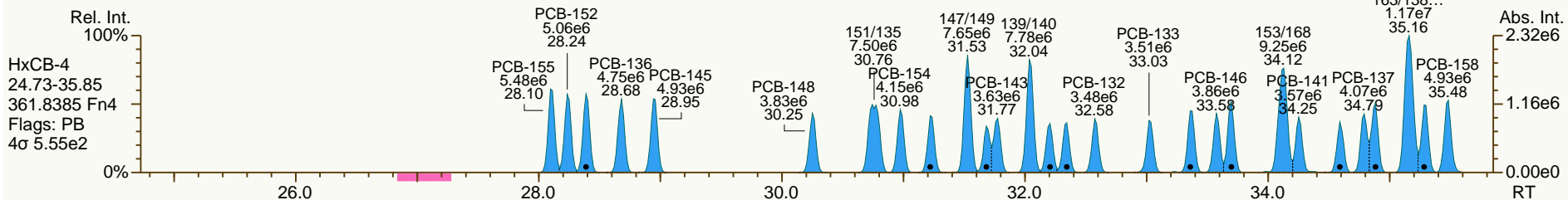
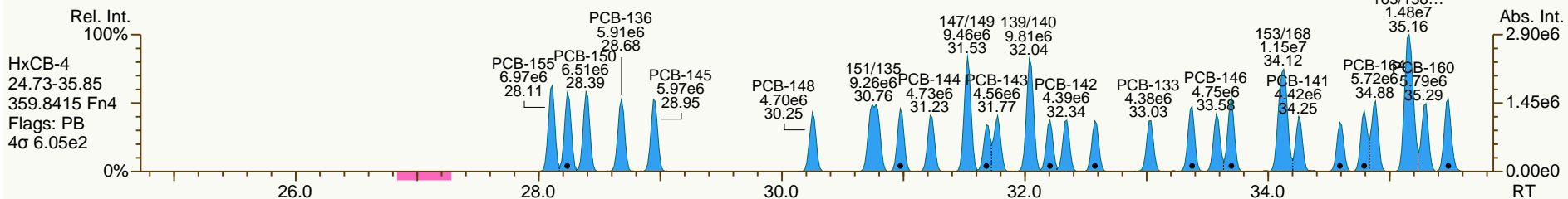
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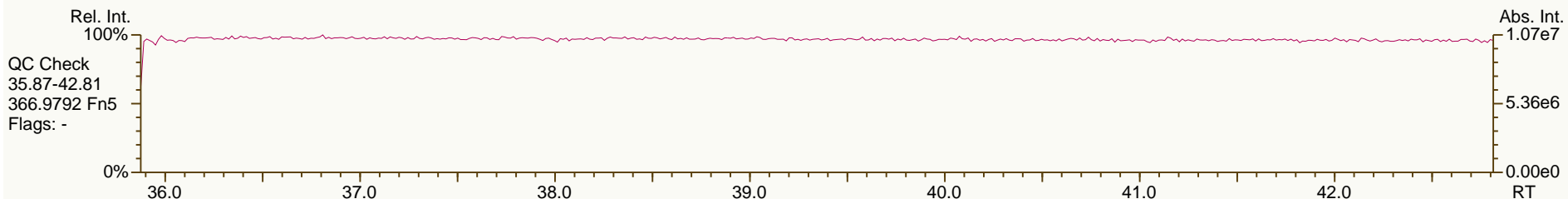
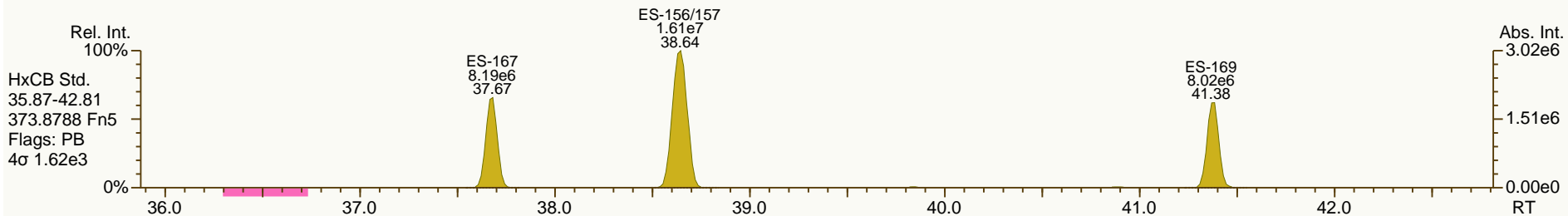
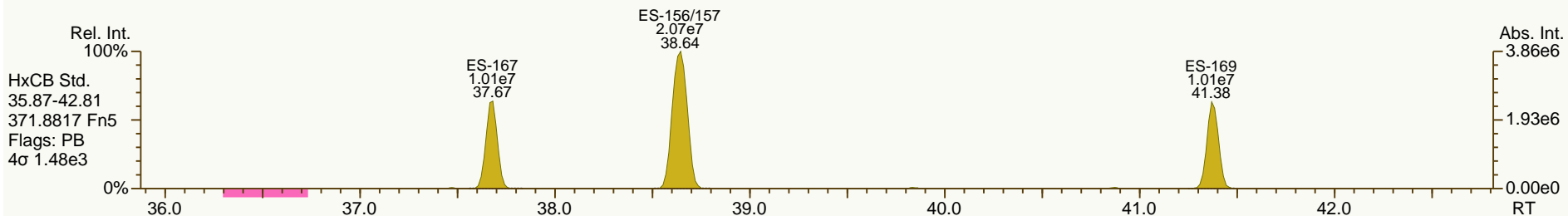
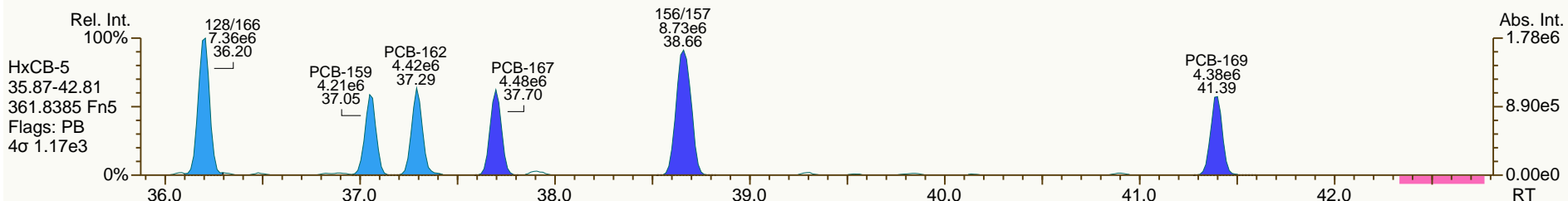
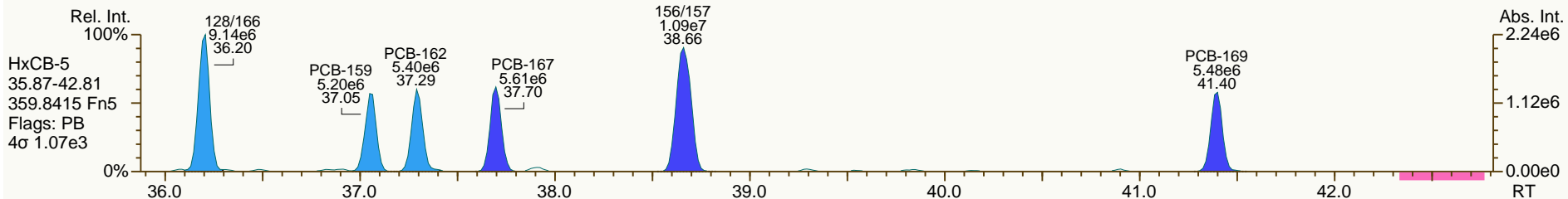
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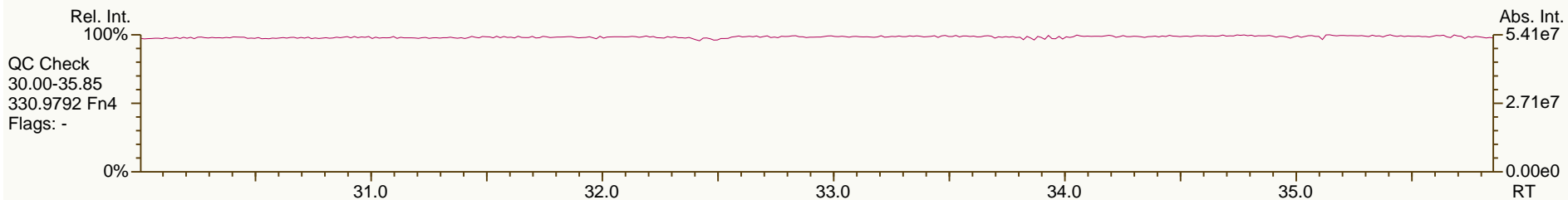
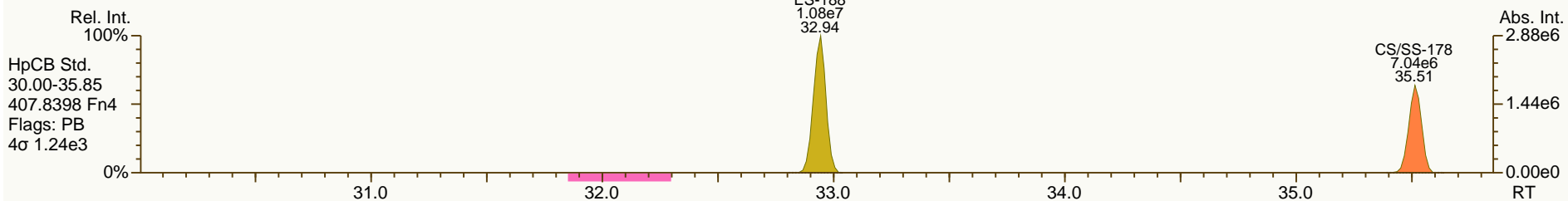
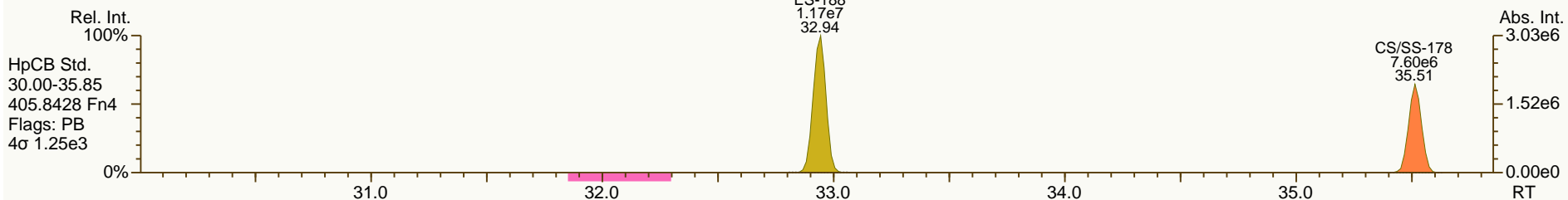
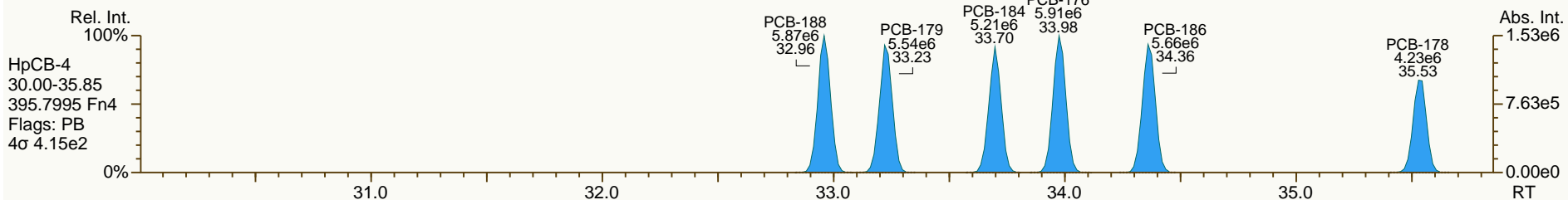
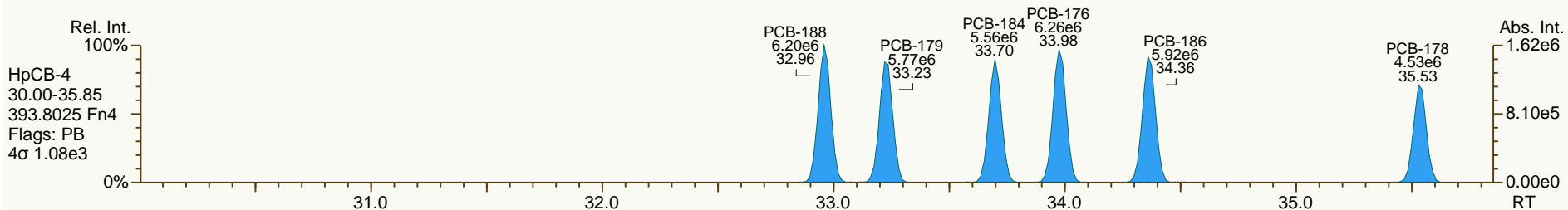
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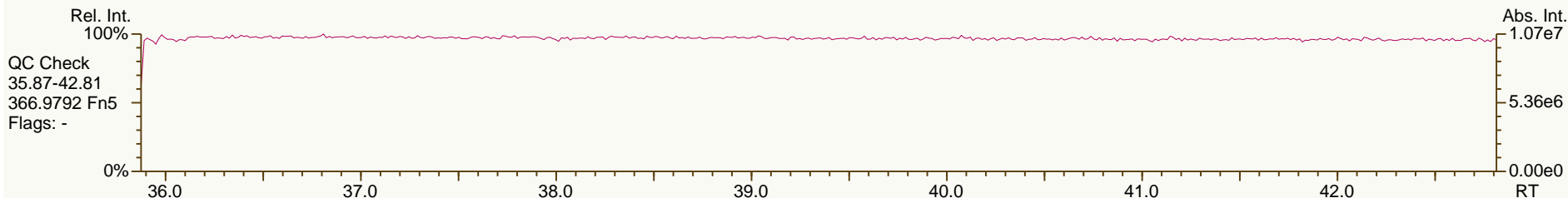
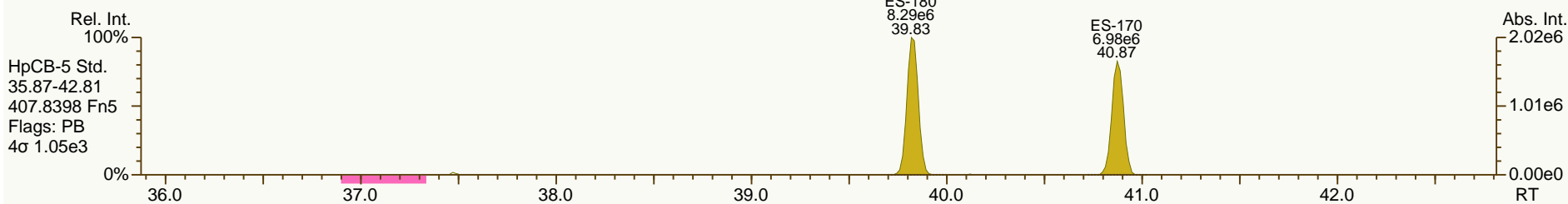
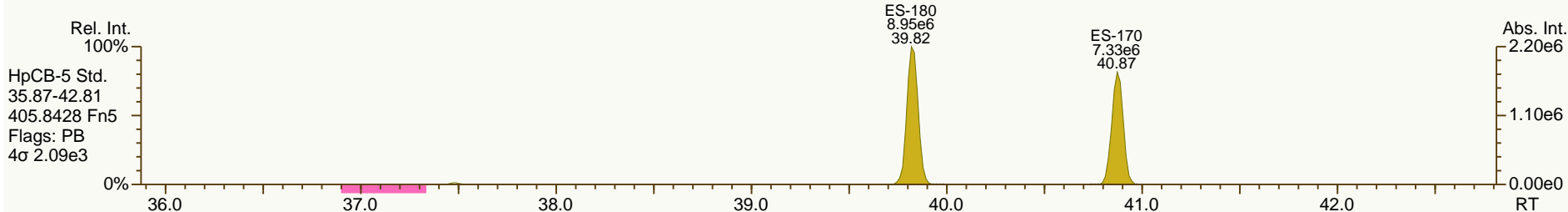
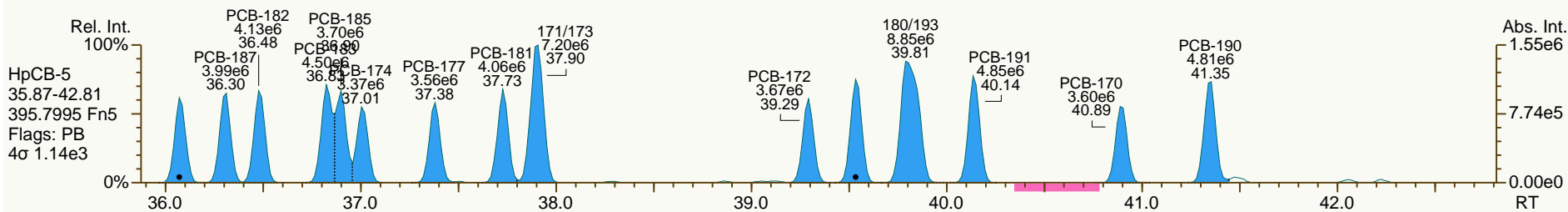
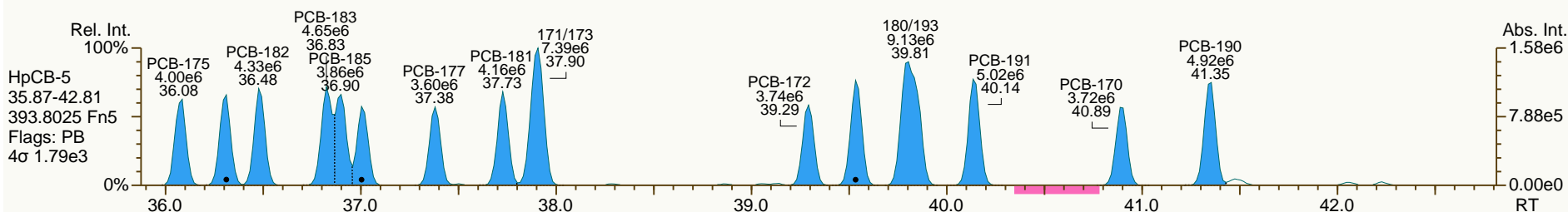
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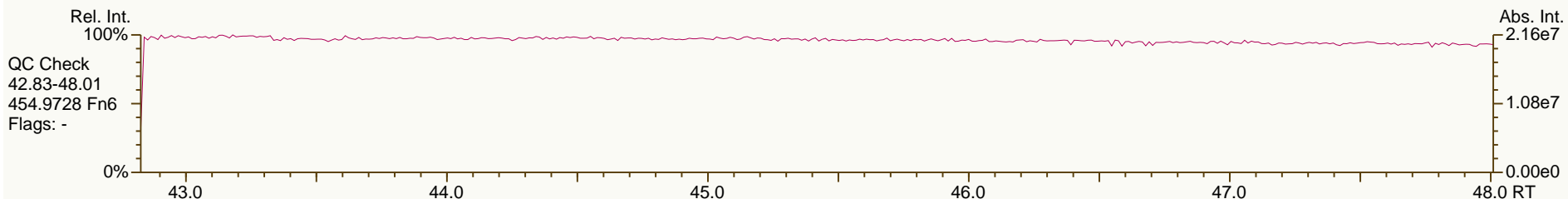
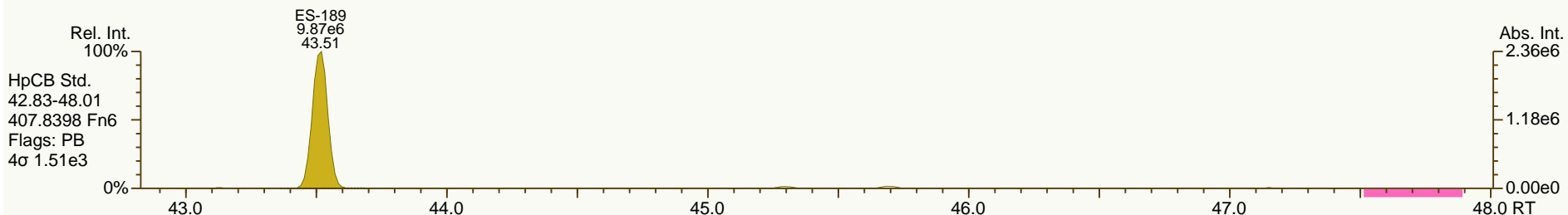
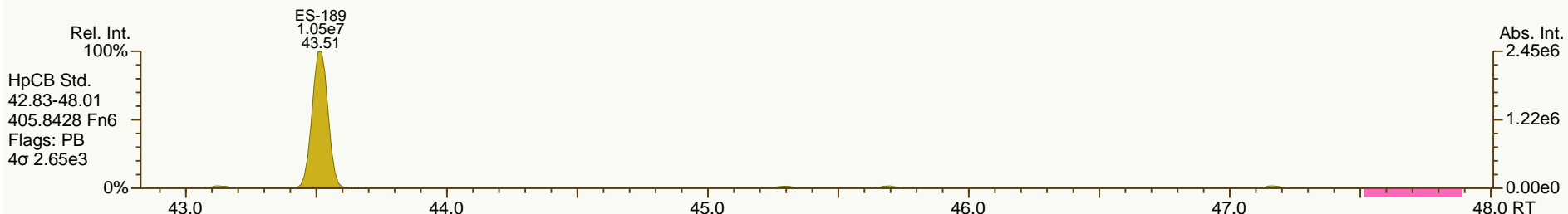
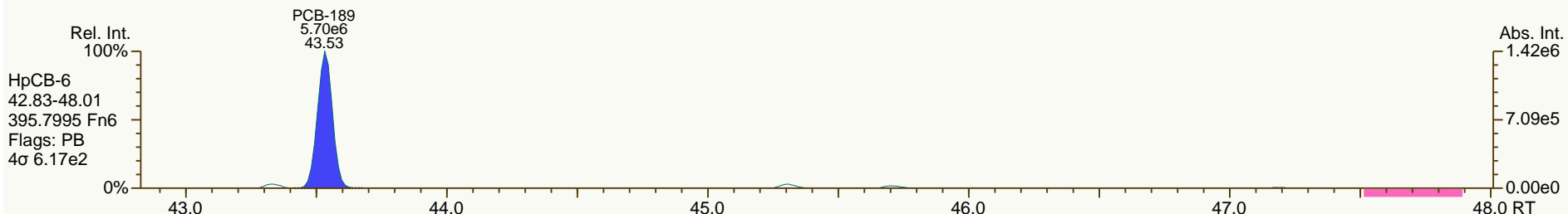
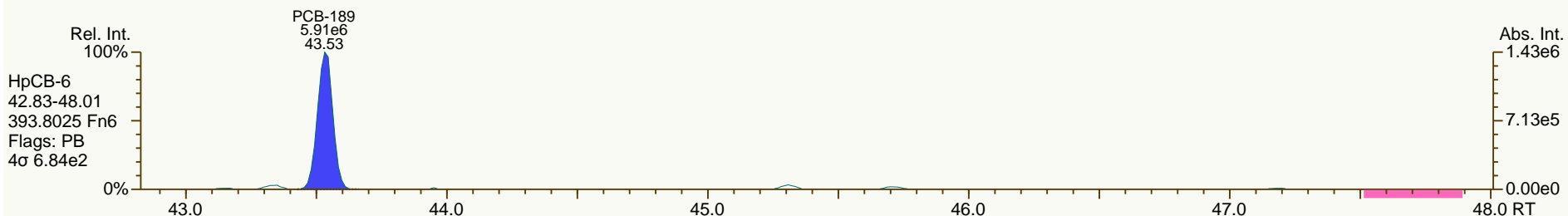
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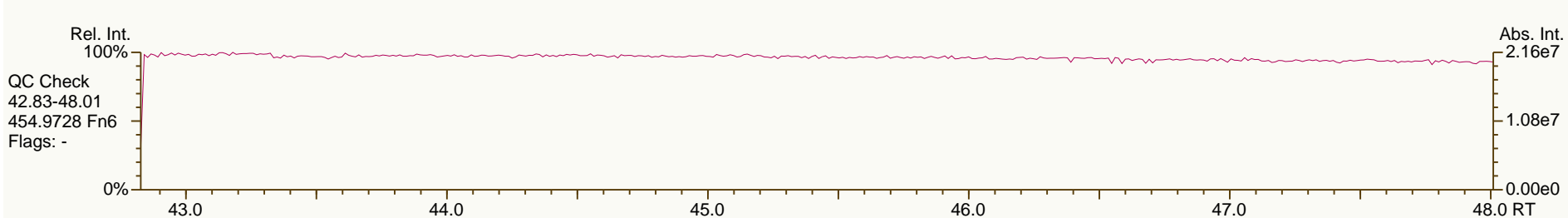
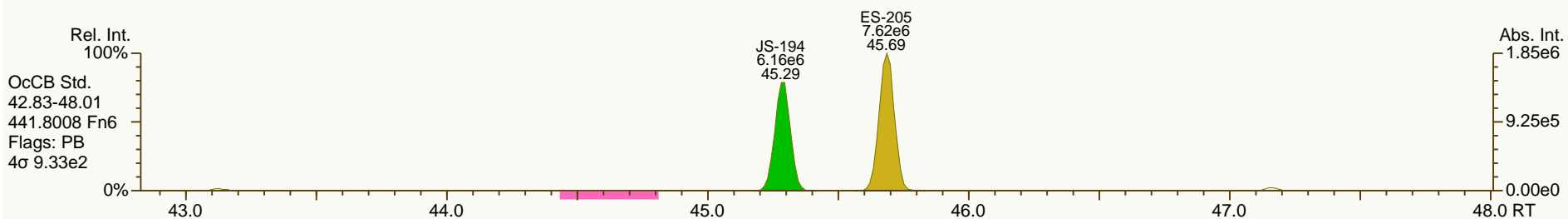
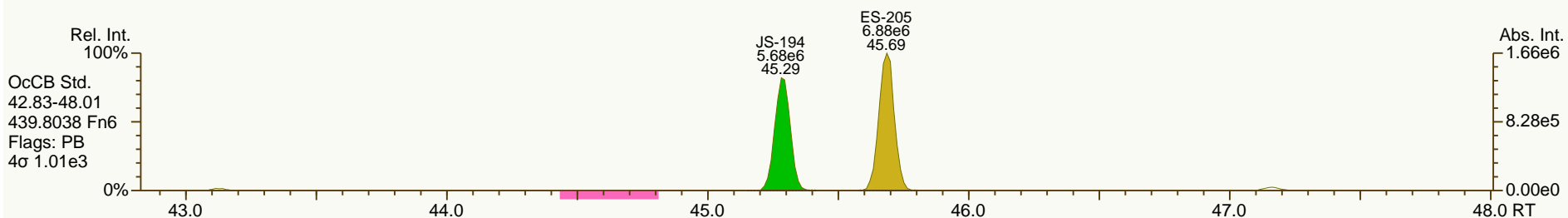
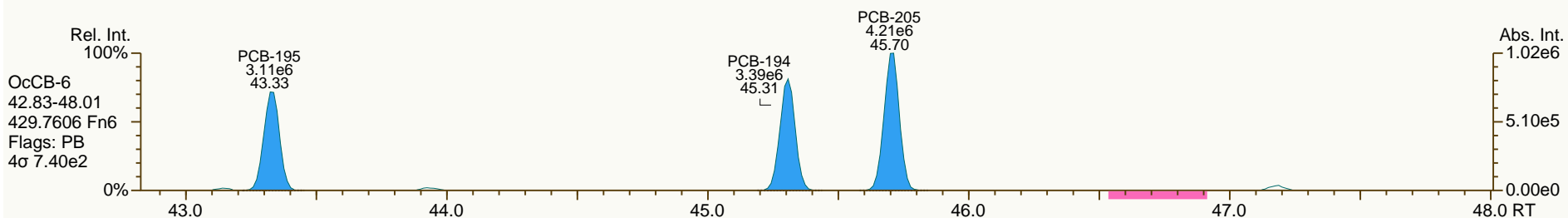
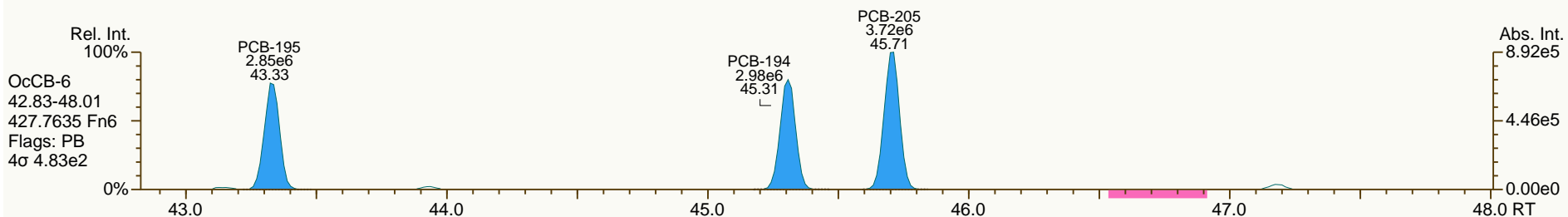
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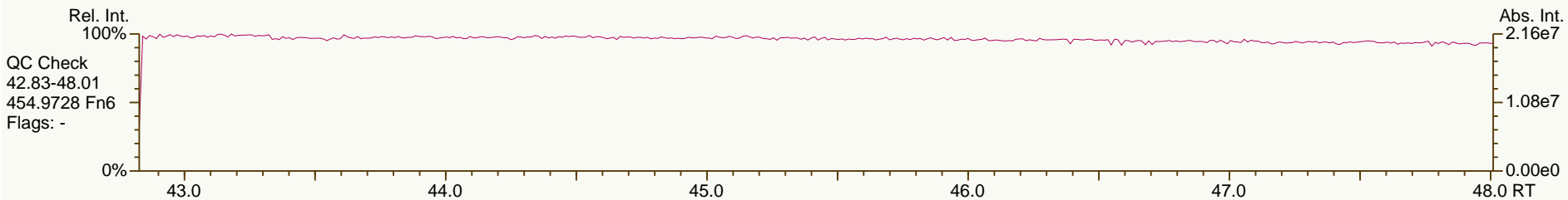
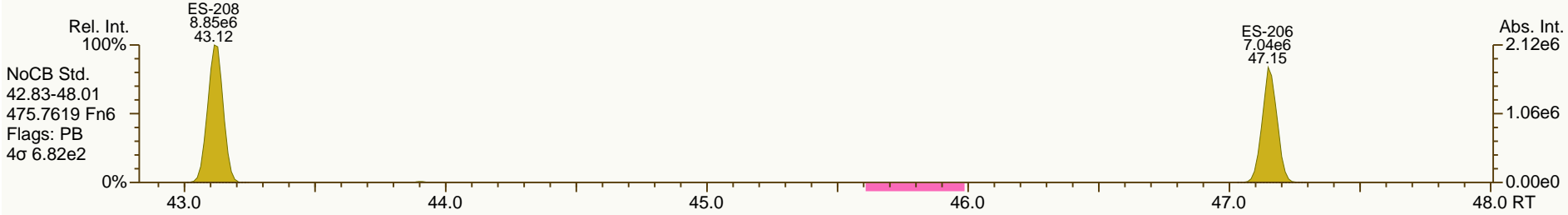
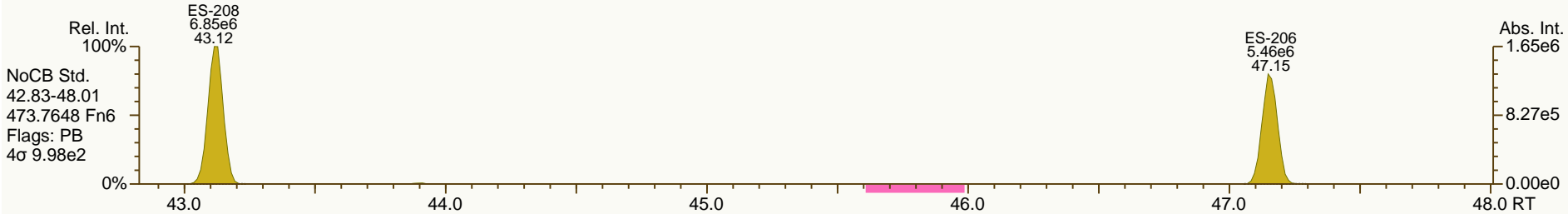
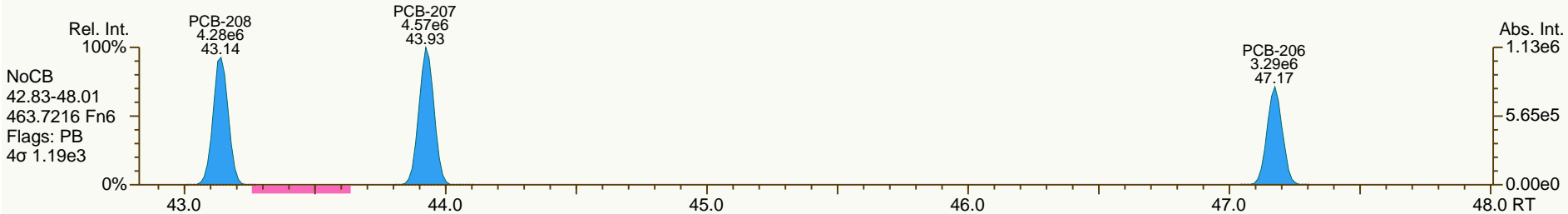
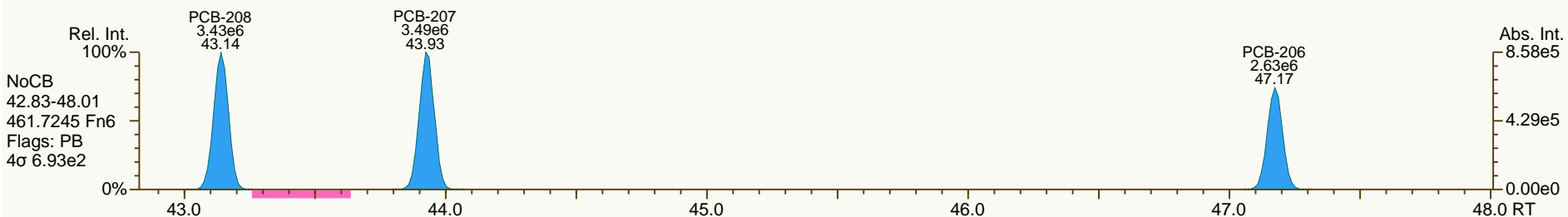
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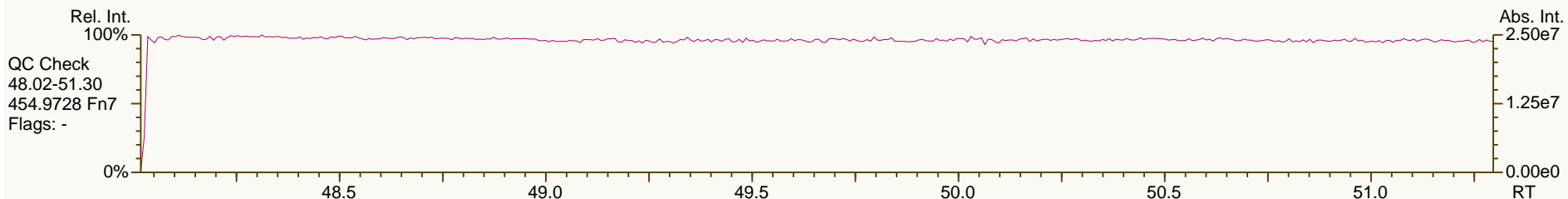
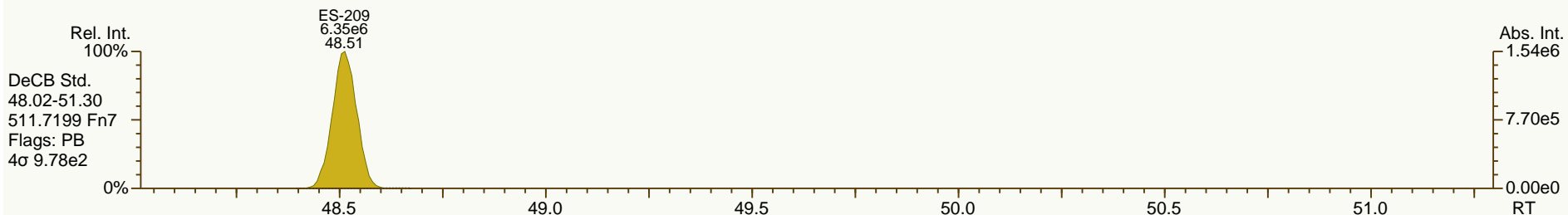
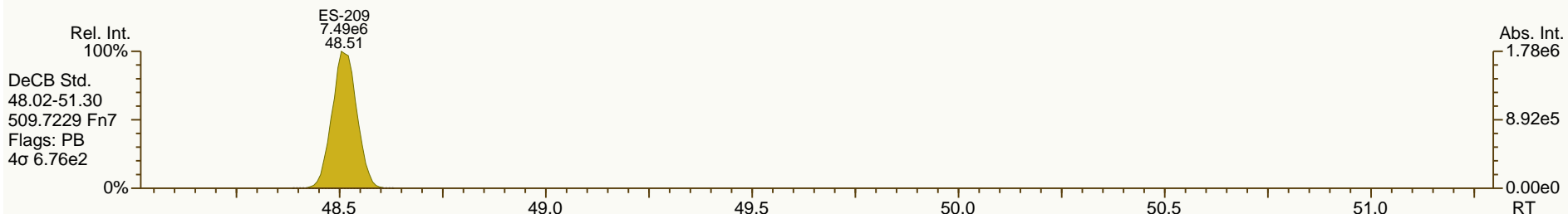
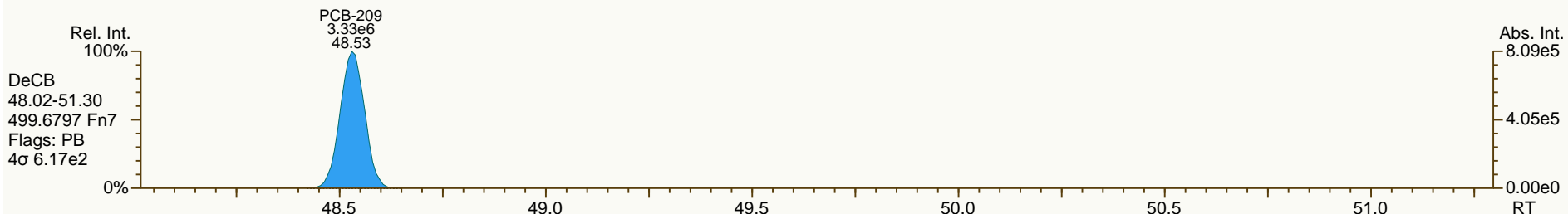
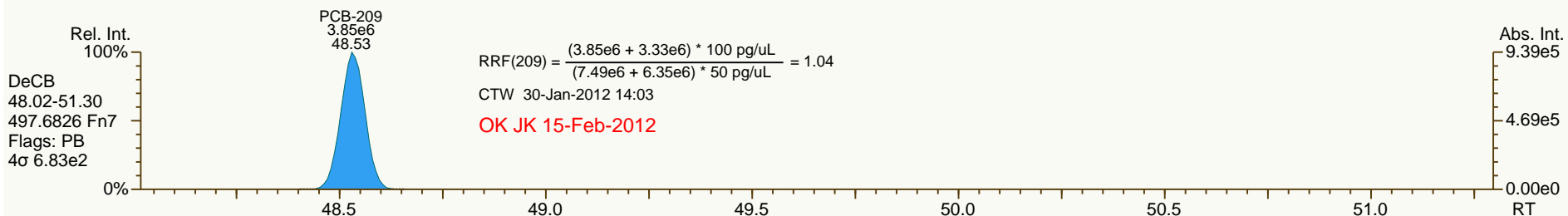
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.84	0.6%
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	0.88	2.3%
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.11	1.9%
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	0.79	3.0%
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	0.74	1.6%
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	0.84	3.1%
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.19	1.6%
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	1.29	2.8%
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.39	1.9%
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.24	1.3%
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.28	1.9%
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	1.30	2.3%
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	1.37	2.6%
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	1.28	2.7%
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.20	1.4%
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.24	1.8%
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.19	1.1%
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.26	1.5%
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	1.40	2.0%
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	1.45	5.7%
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	1.22	2.3%
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	0.97	5.4%
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	0.85	4.6%
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	0.81	5.0%
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	0.72	1.7%
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.74	0.3%
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	0.76	2.0%
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	0.73	-2.5%
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	0.80	12.1%
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	0.66	-0.3%
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	0.90	7.7%
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	0.67	3.3%
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	0.70	1.6%
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	0.99	1.0%
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	0.73	2.1%
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	0.85	4.7%
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	0.66	6.5%
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.77	0.7%
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	1.02	5.5%
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	0.87	5.2%
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.94	0.5%
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	0.86	5.8%
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	0.95	2.8%

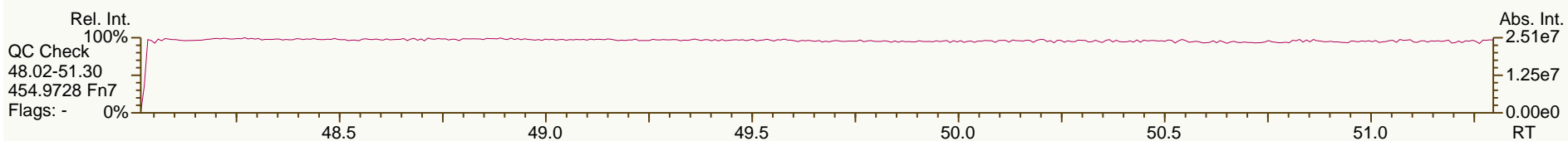
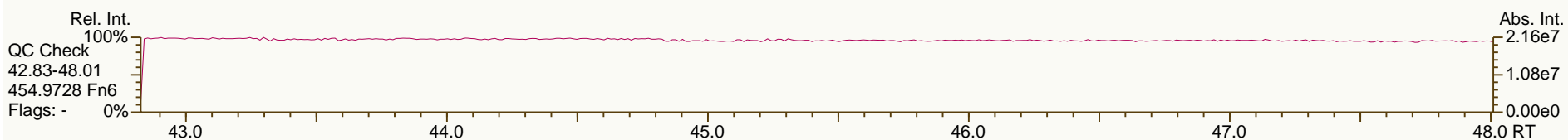
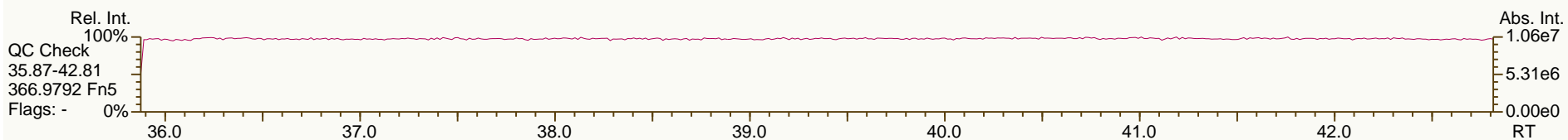
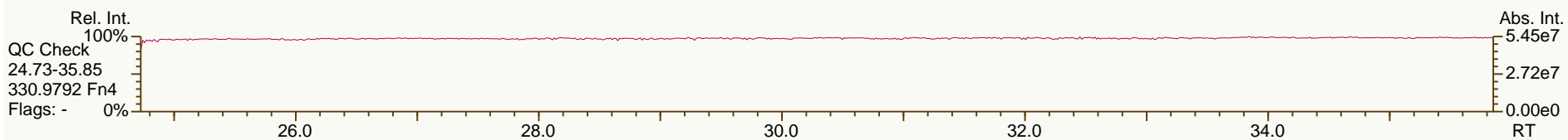
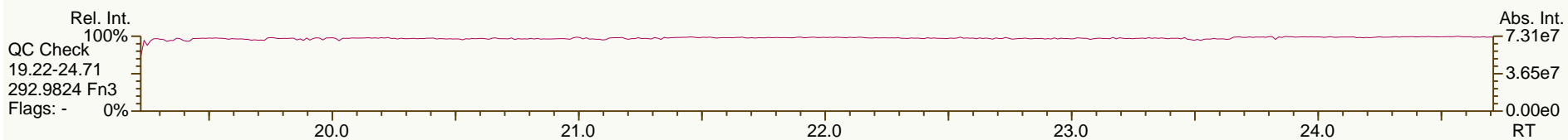
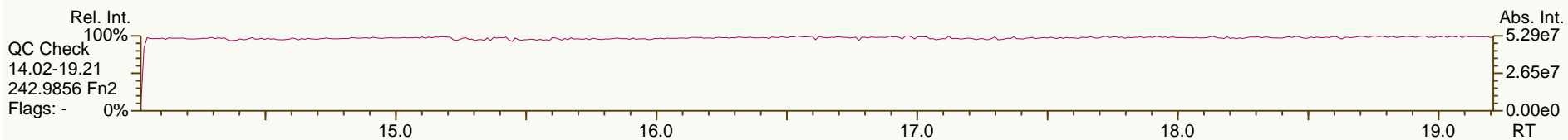
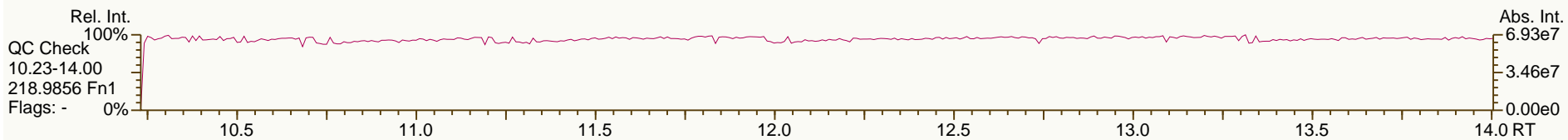
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
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Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OcCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OcCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OcCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OcCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OcCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OcCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OcCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OcCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

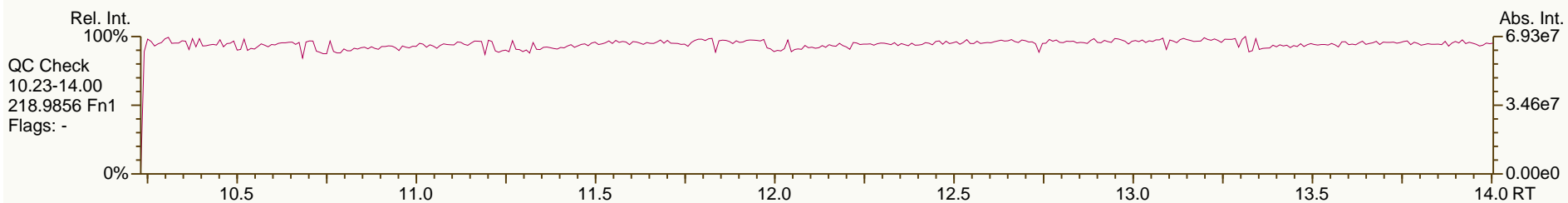
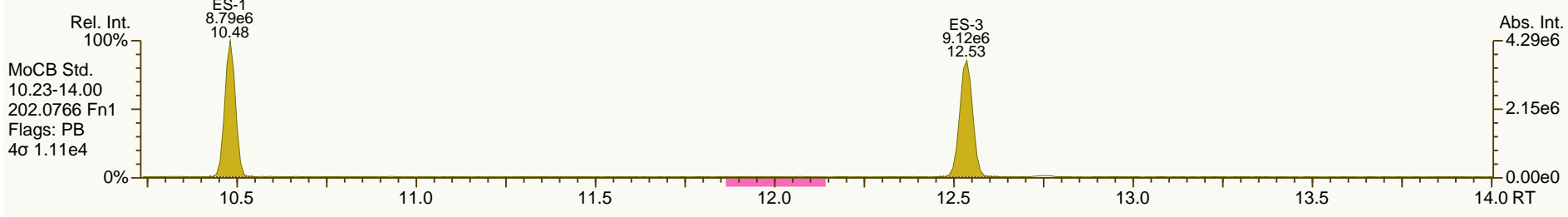
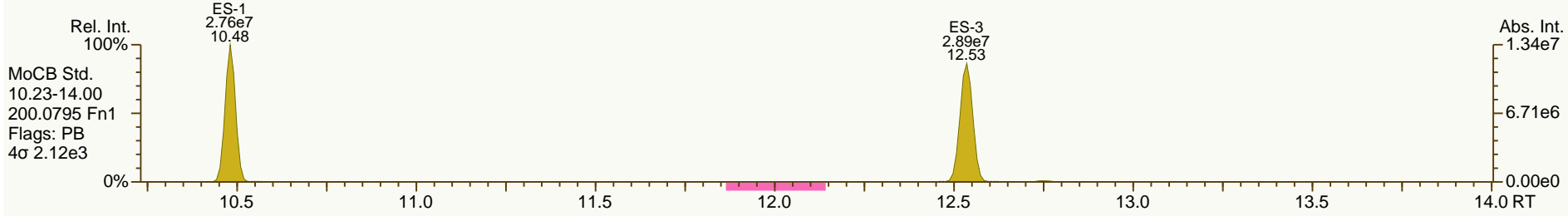
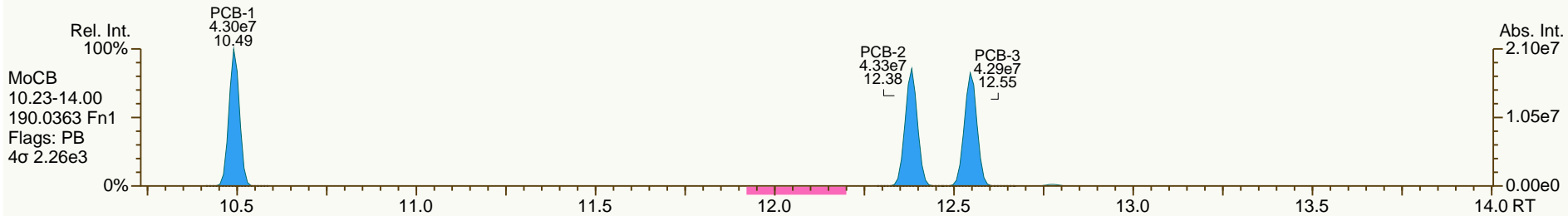
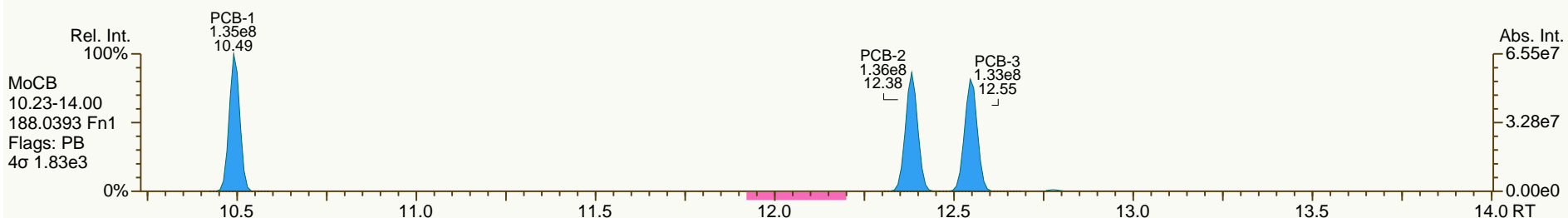
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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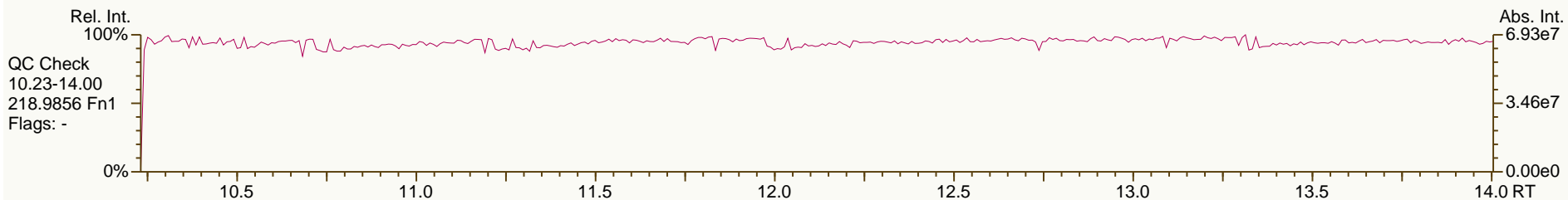
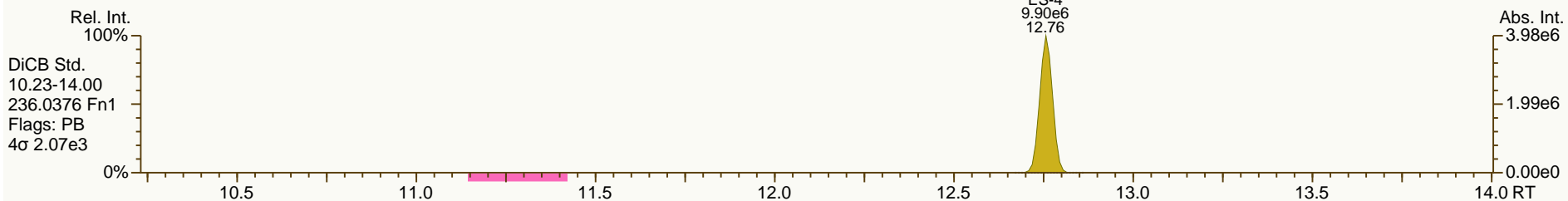
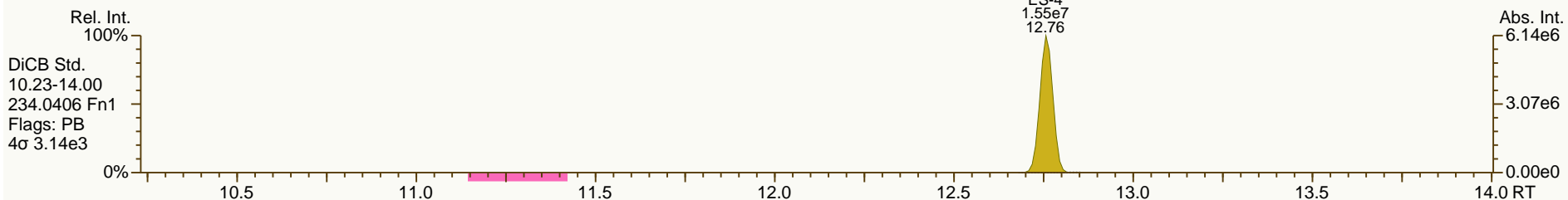
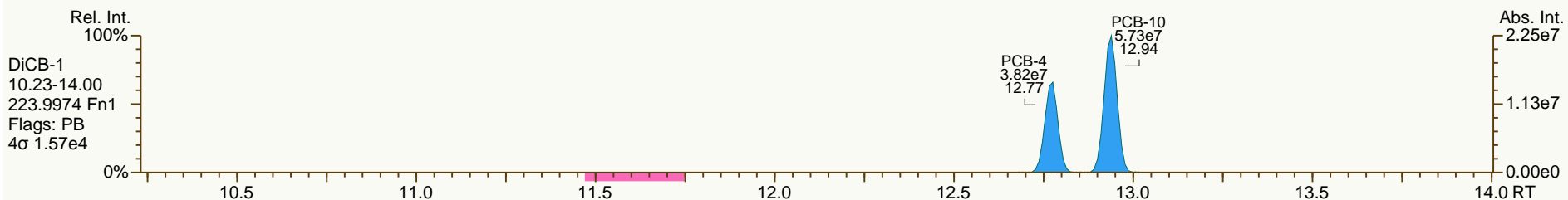
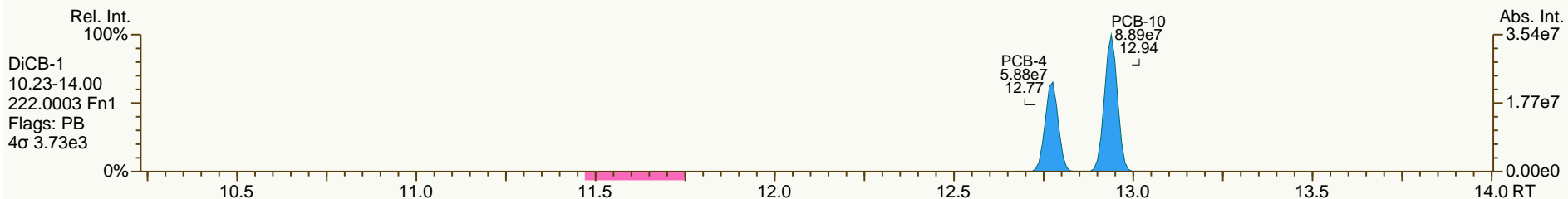
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AP Lab ID: CS4_120126_PCB_SA
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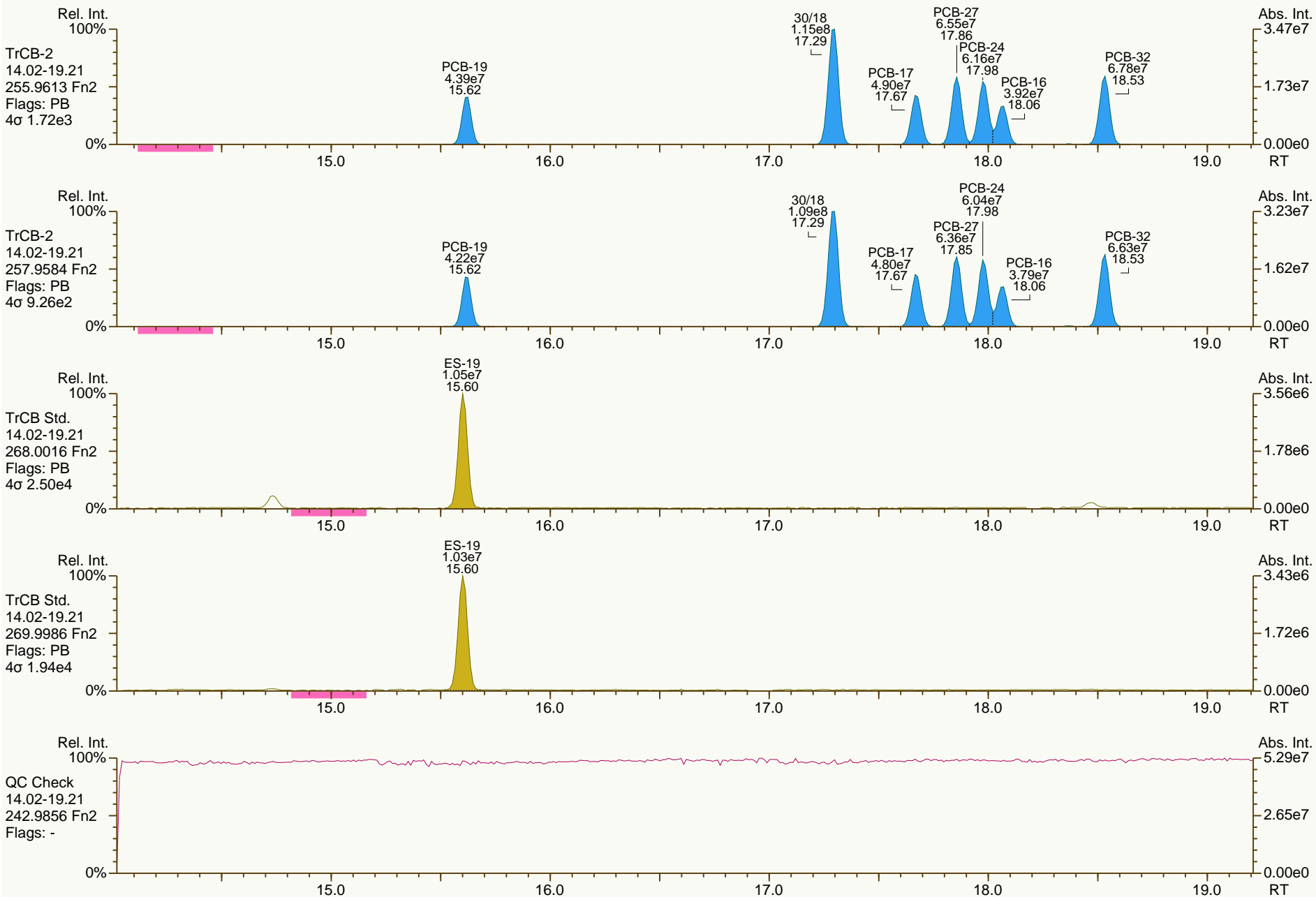
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AP Lab ID: CS4_120126_PCB_SA
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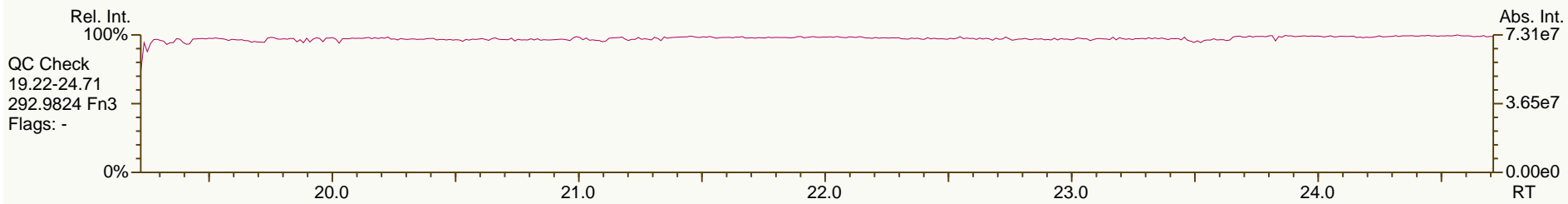
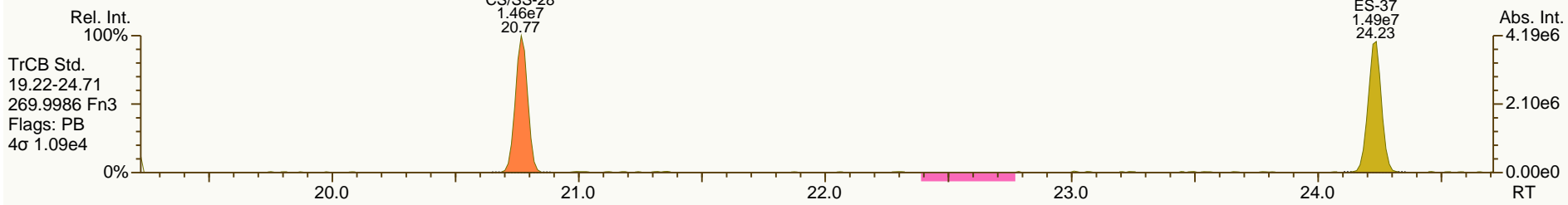
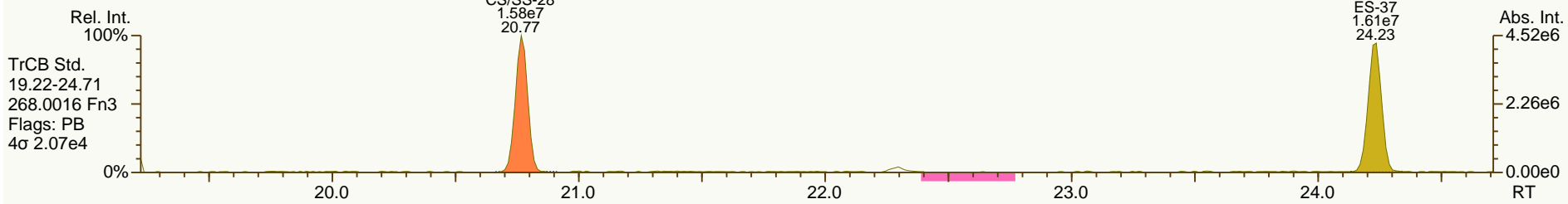
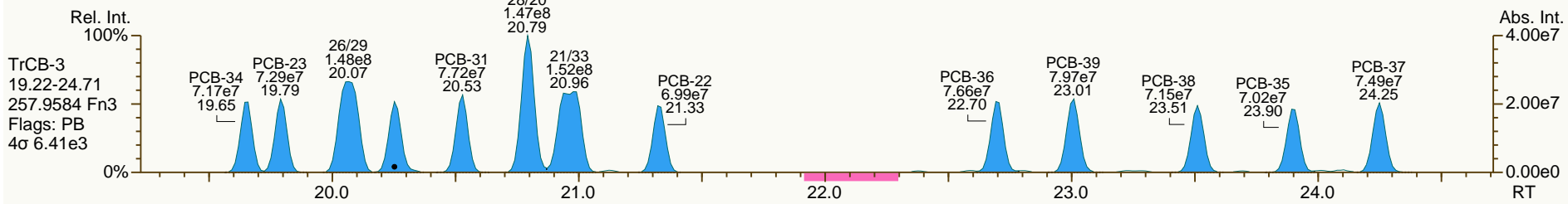
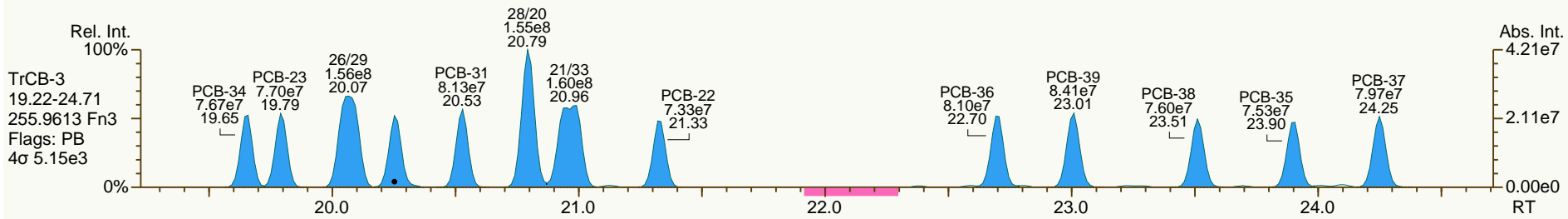
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AP Lab ID: CS4_120126_PCB_SA
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Sample ID: SIL 12-5-2
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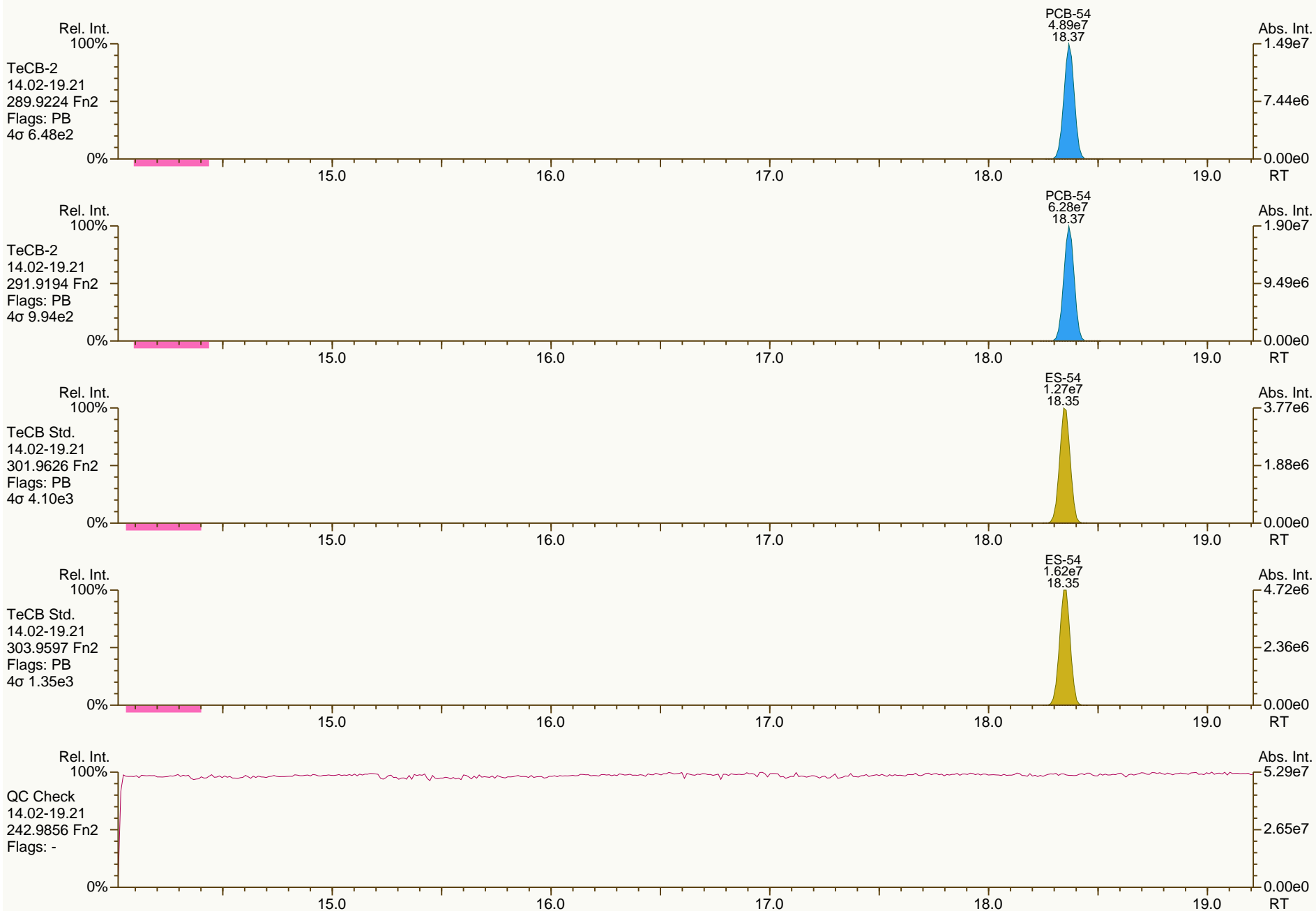
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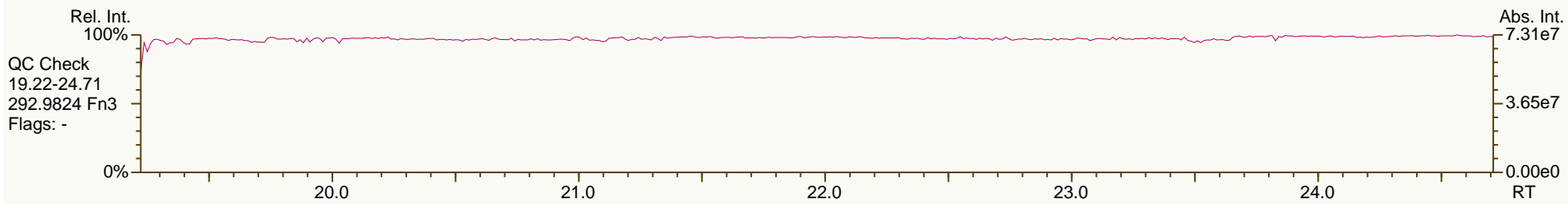
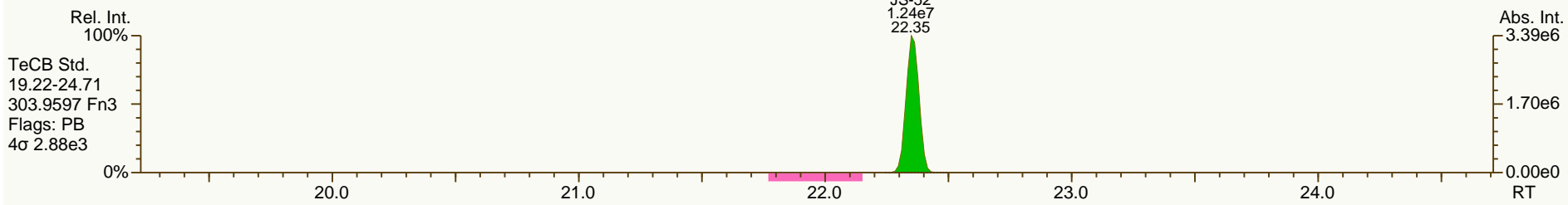
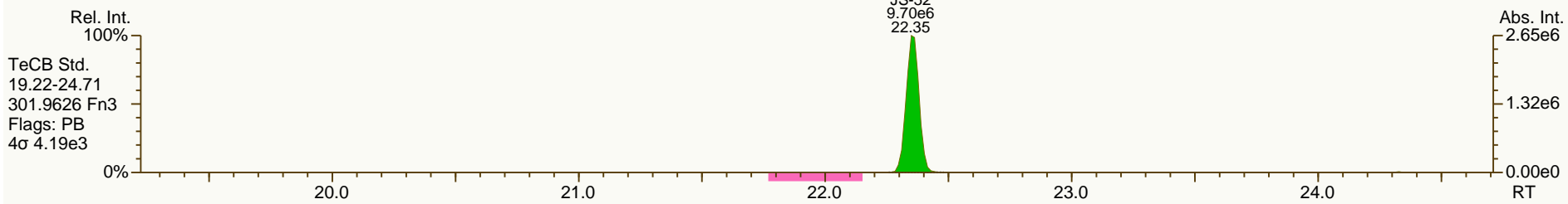
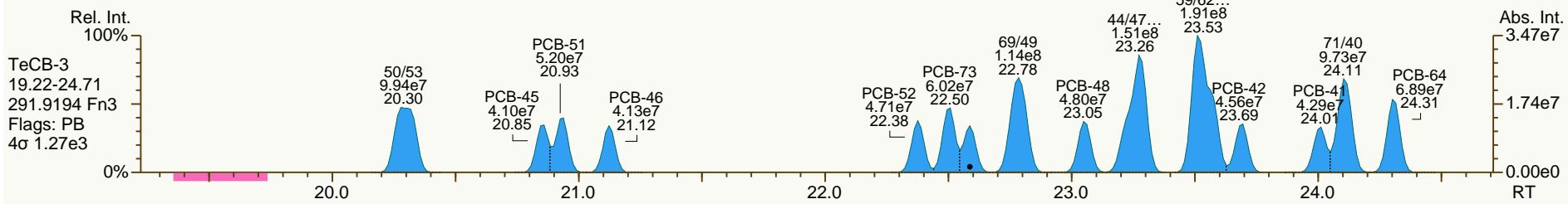
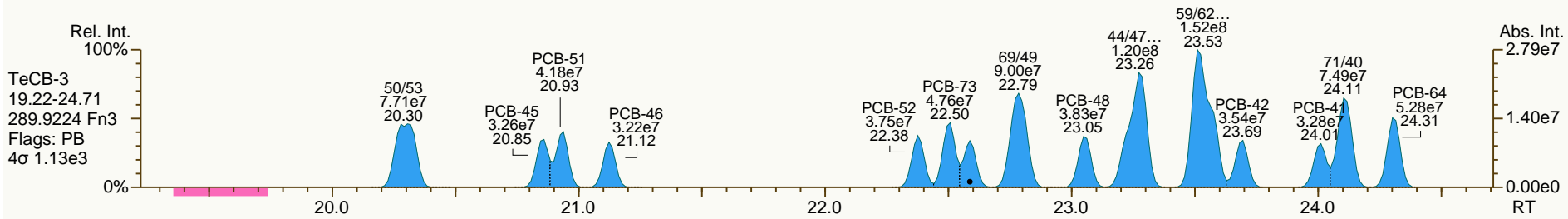
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Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

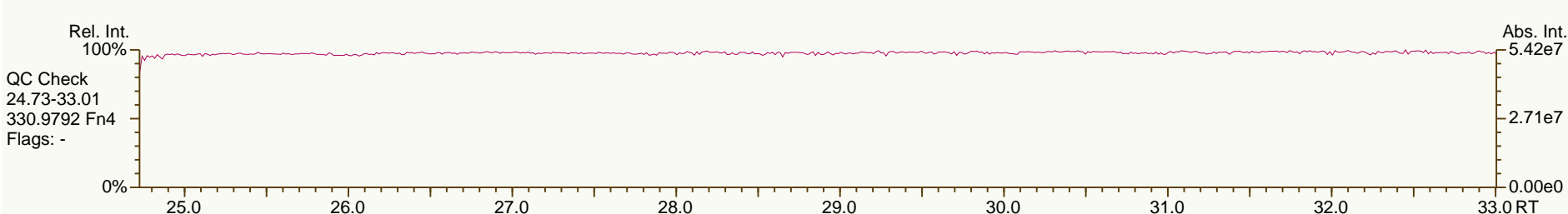
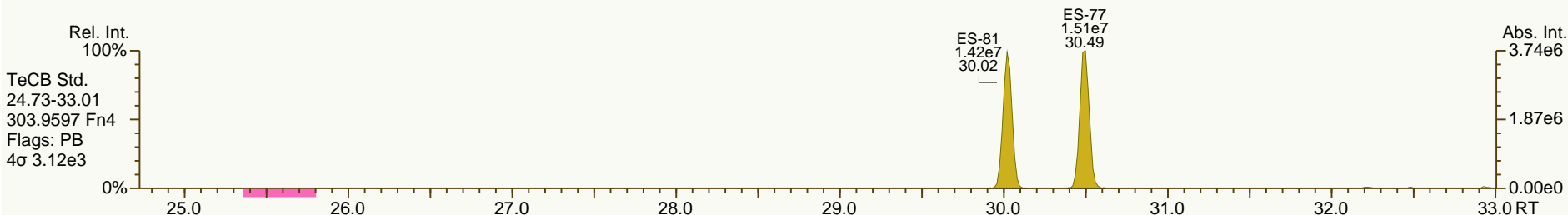
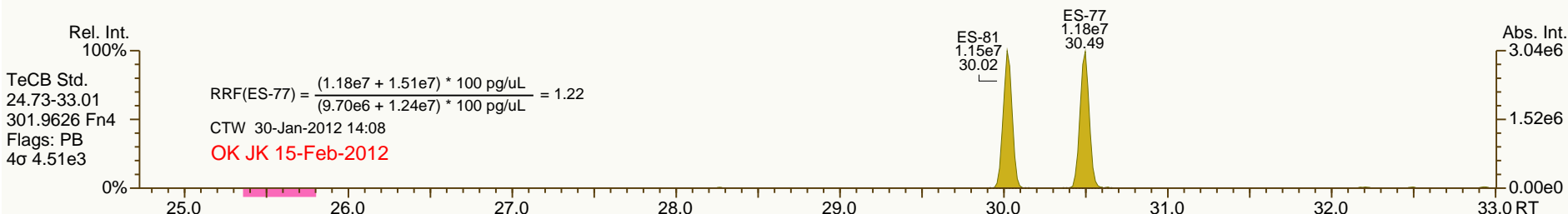
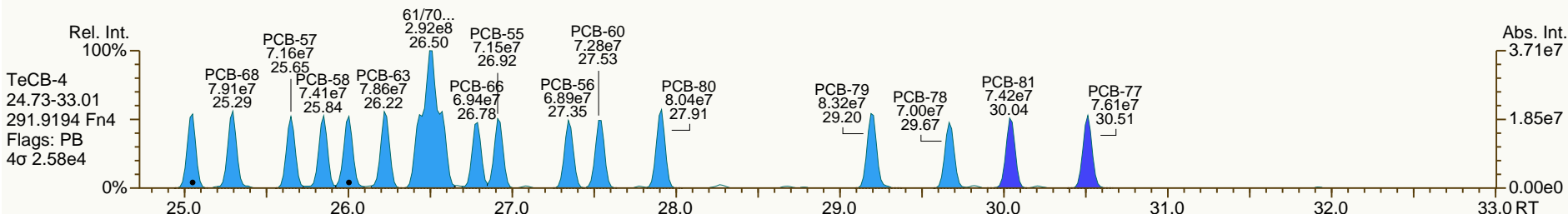
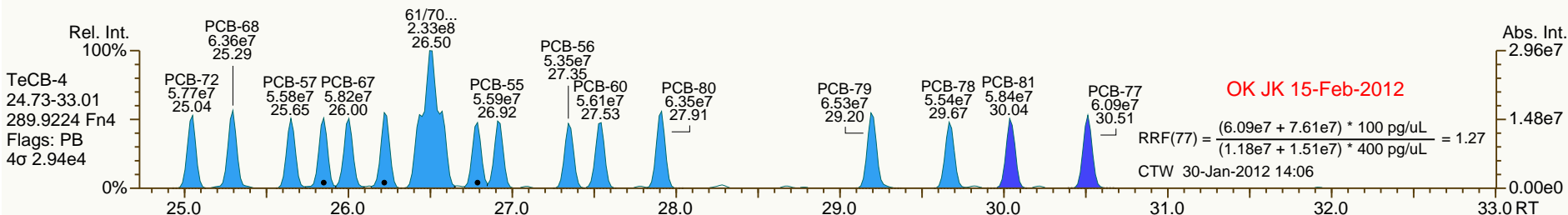
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AP Lab ID: CS4_120126_PCB_SA
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Sample ID: SIL 12-5-2
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 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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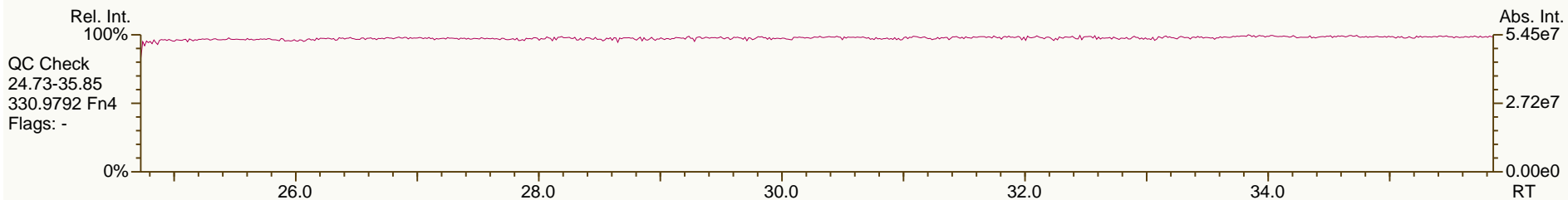
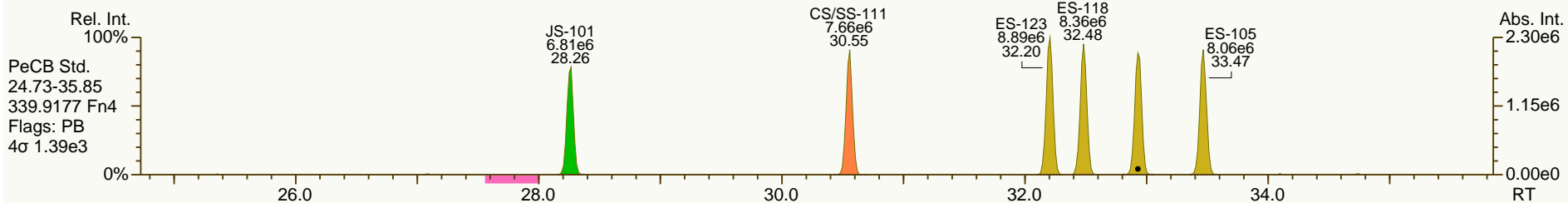
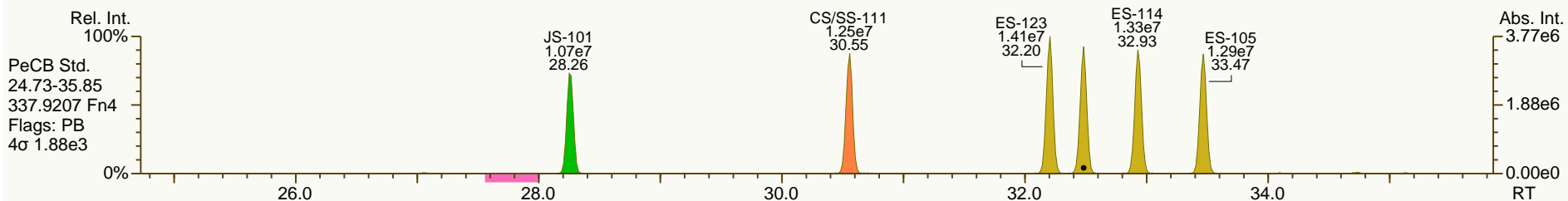
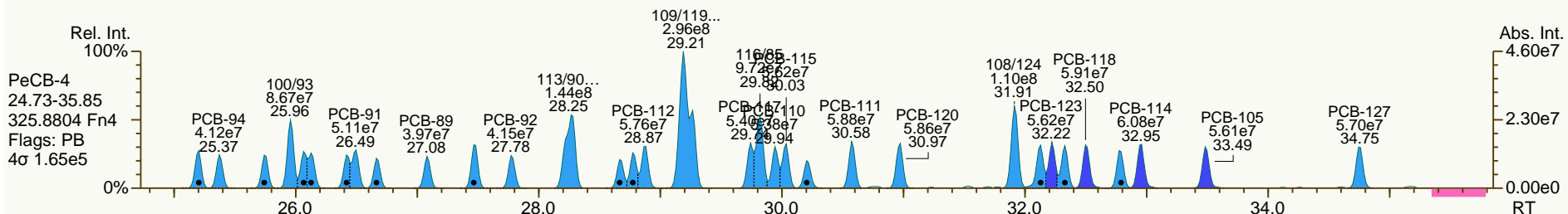
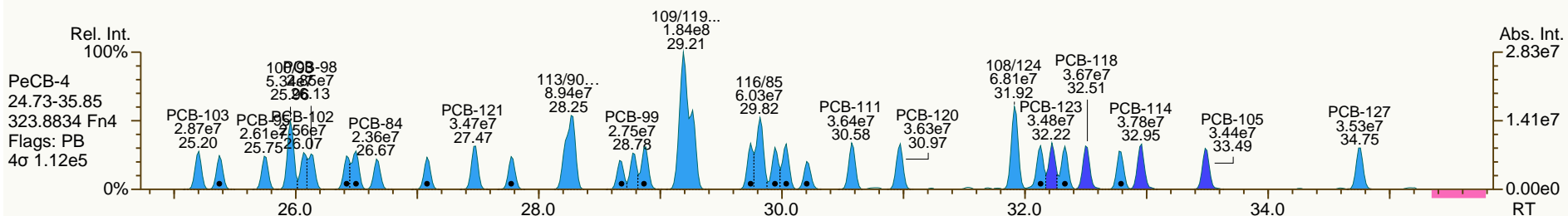
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AP Lab ID: CS4_120126_PCB_SA
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Sample ID: SIL 12-5-2
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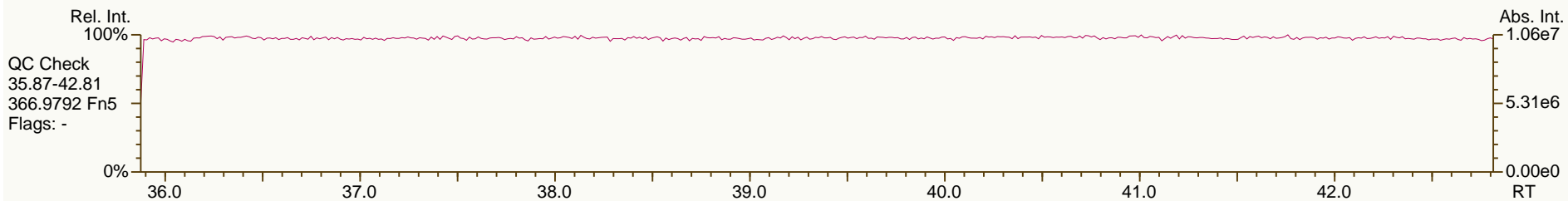
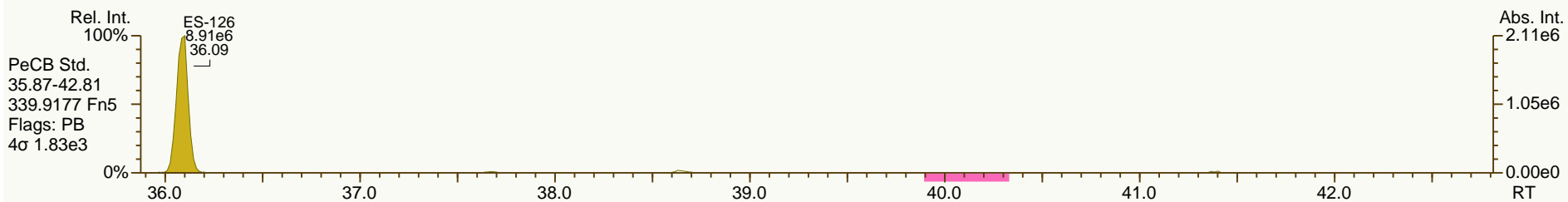
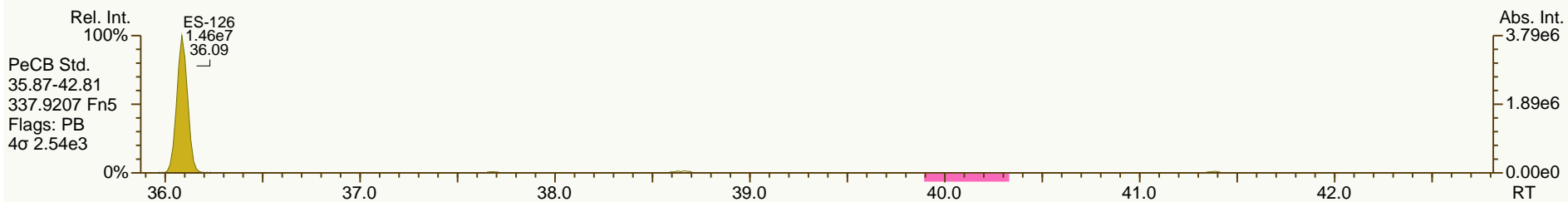
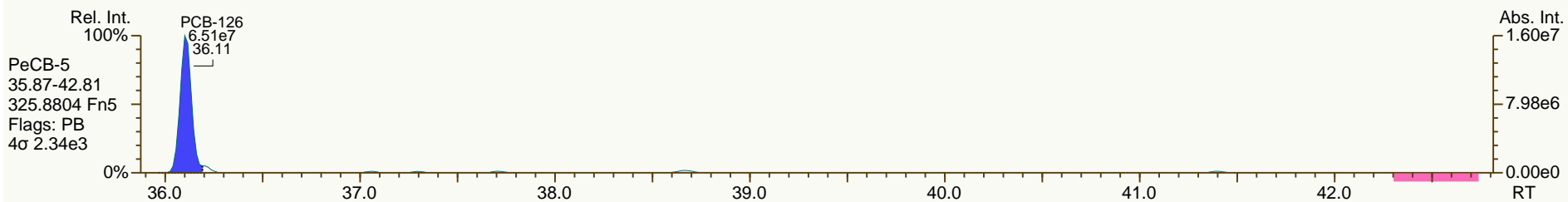
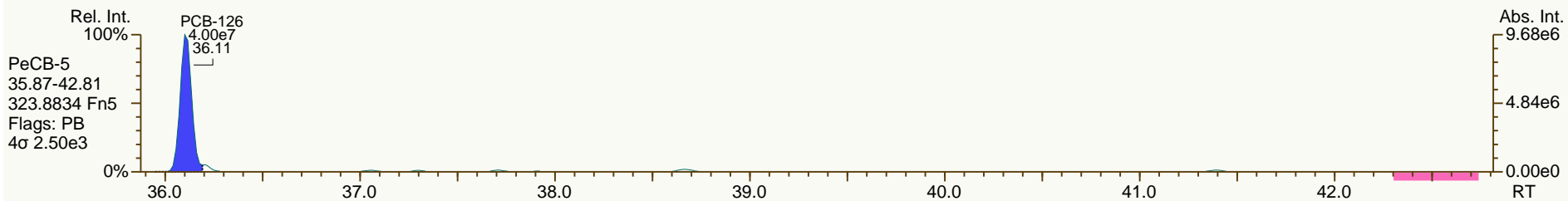
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AP Lab ID: CS4_120126_PCB_SA
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Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

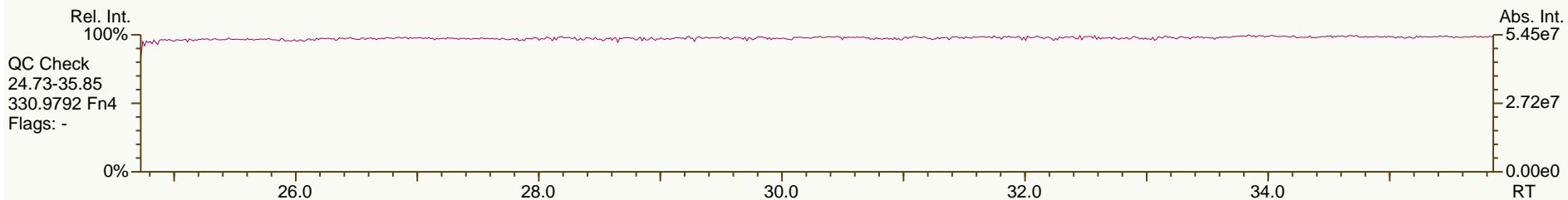
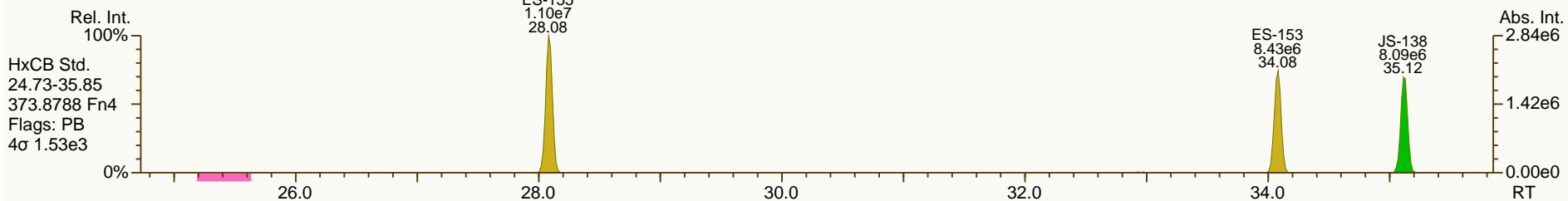
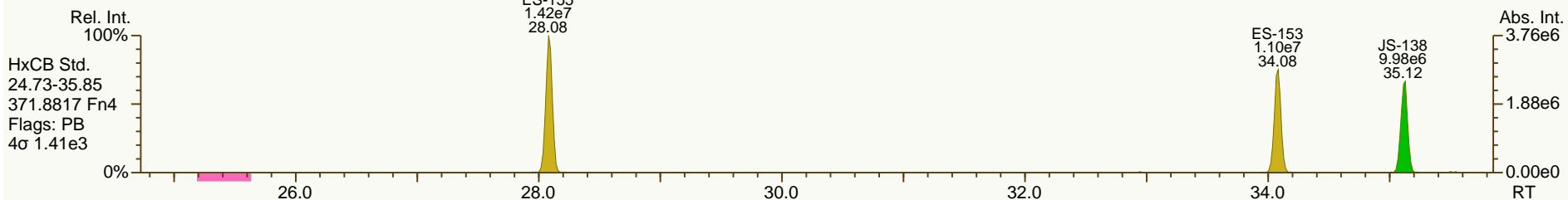
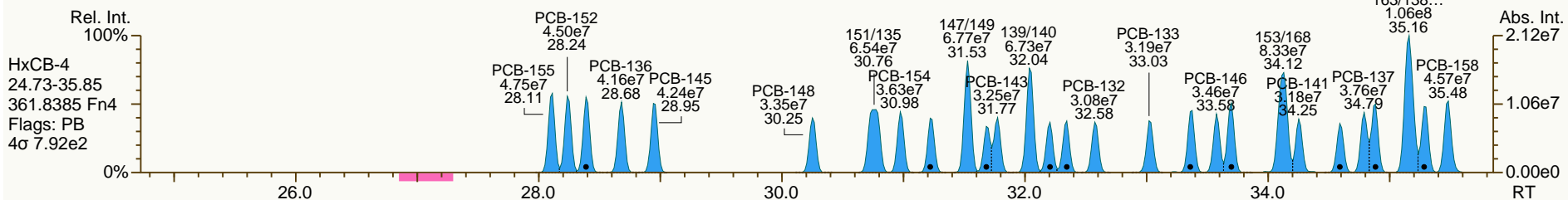
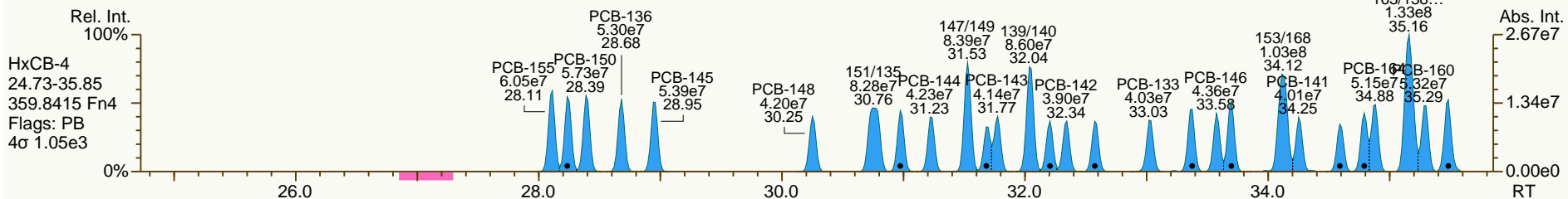
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

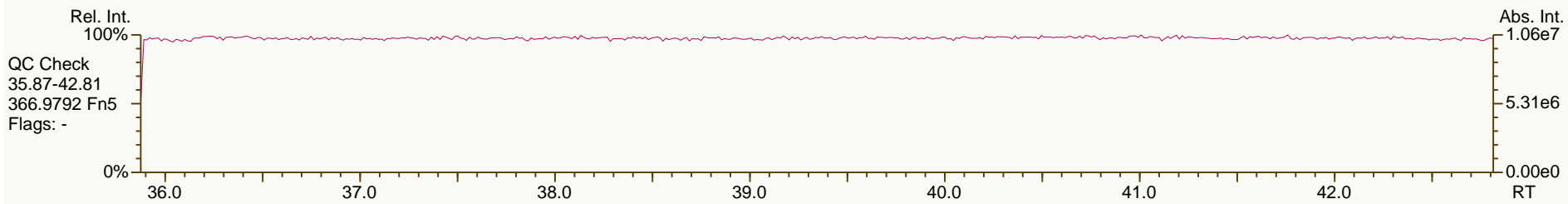
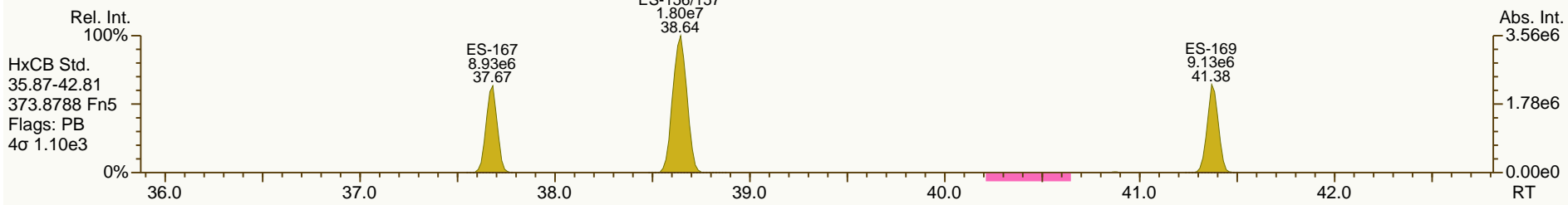
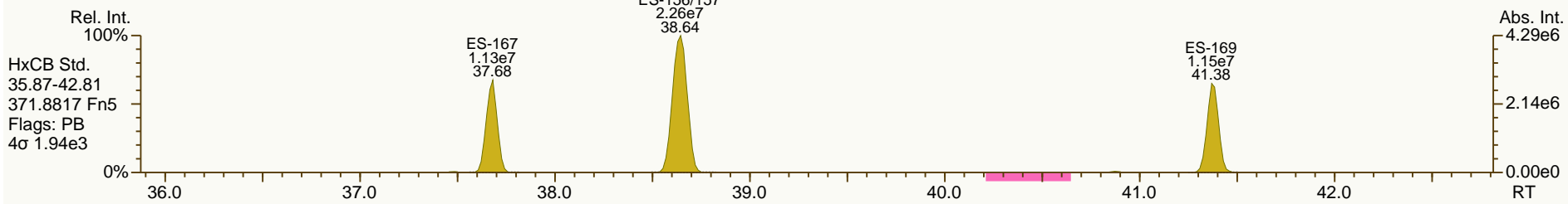
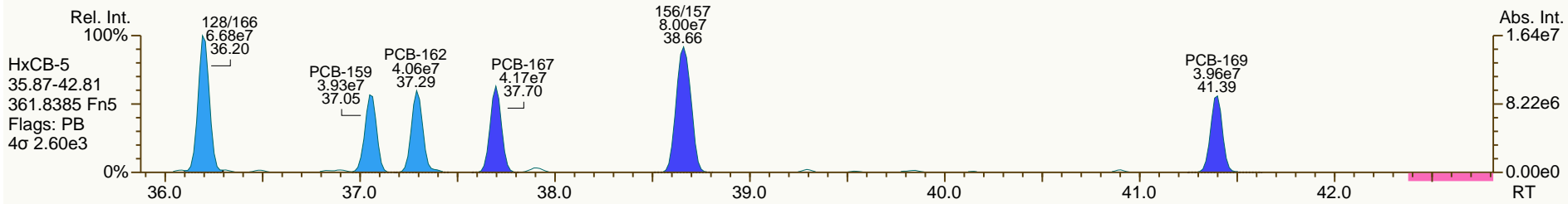
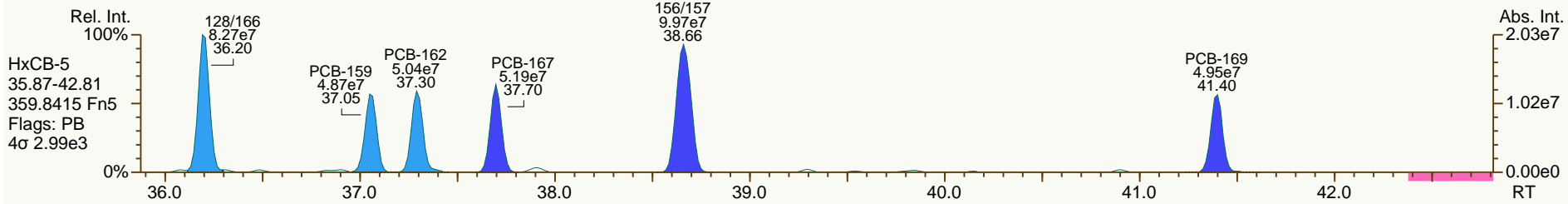
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

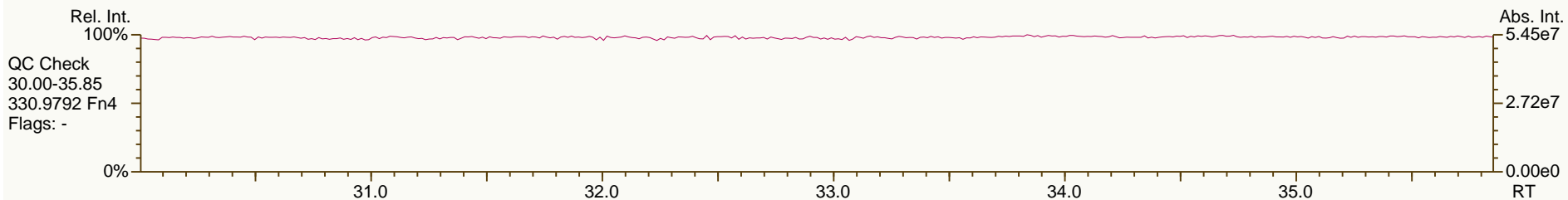
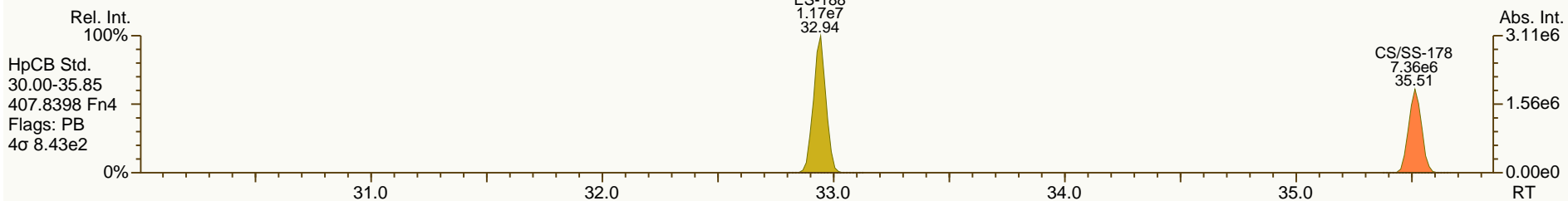
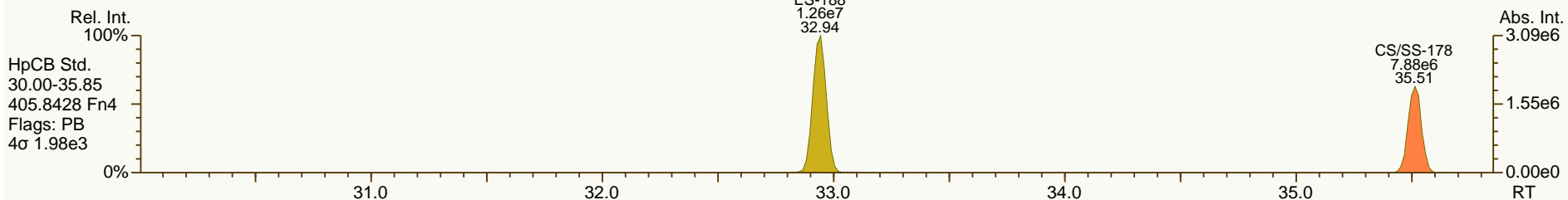
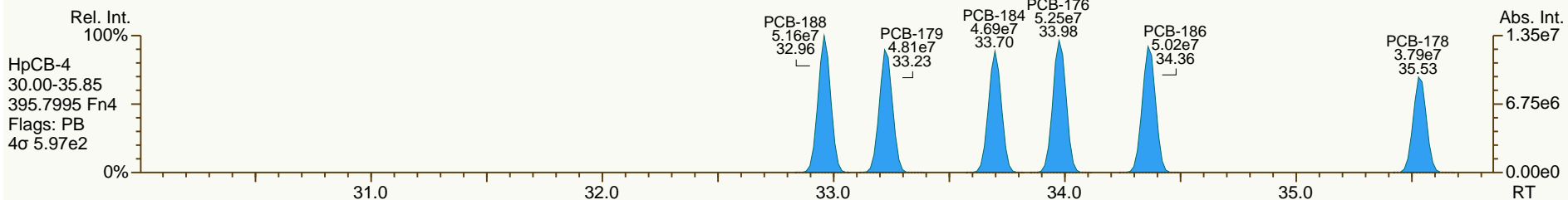
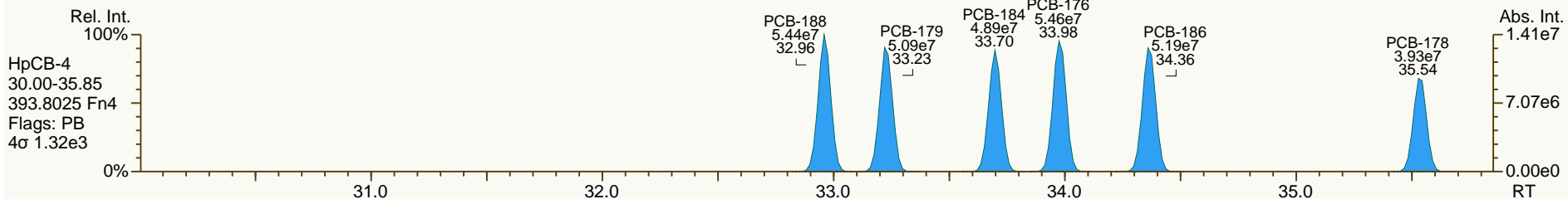
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

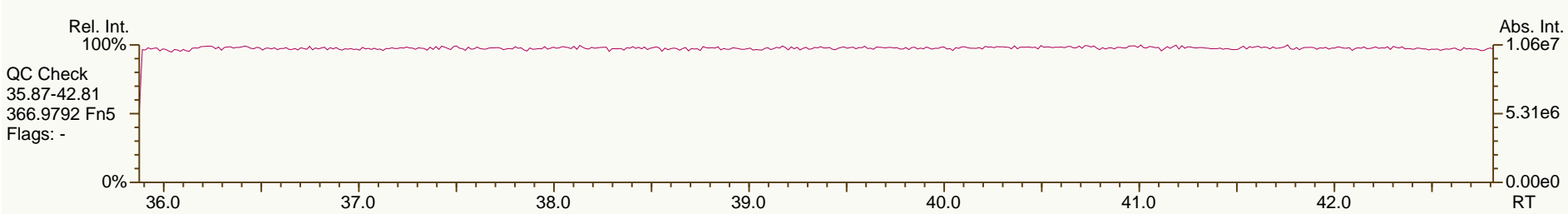
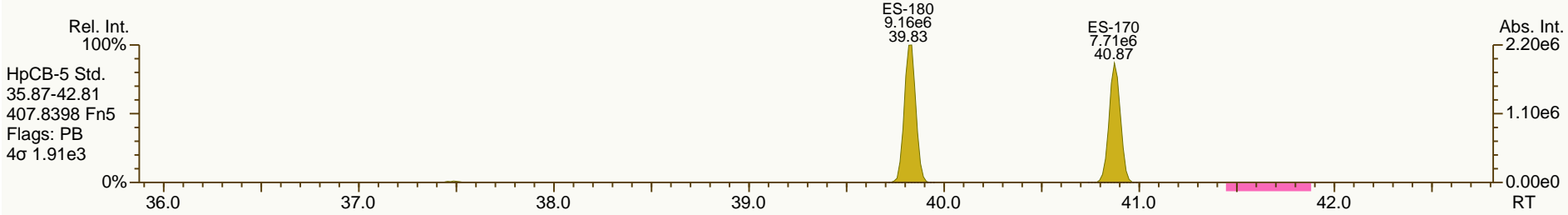
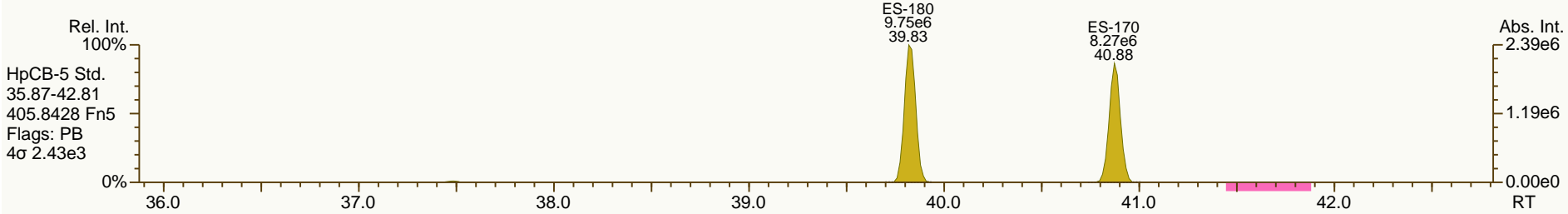
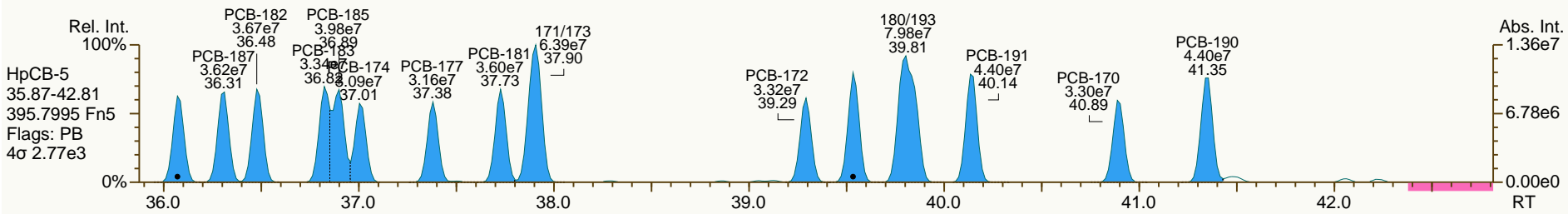
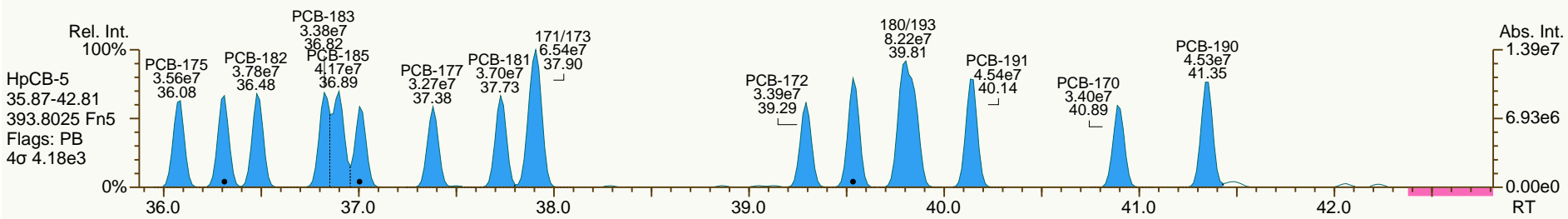
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

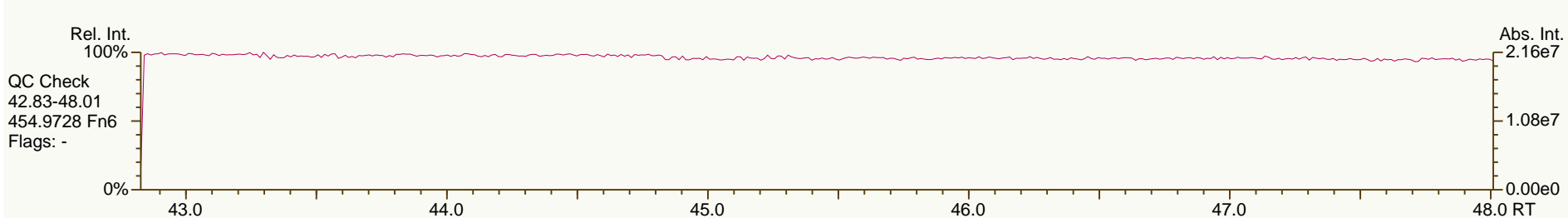
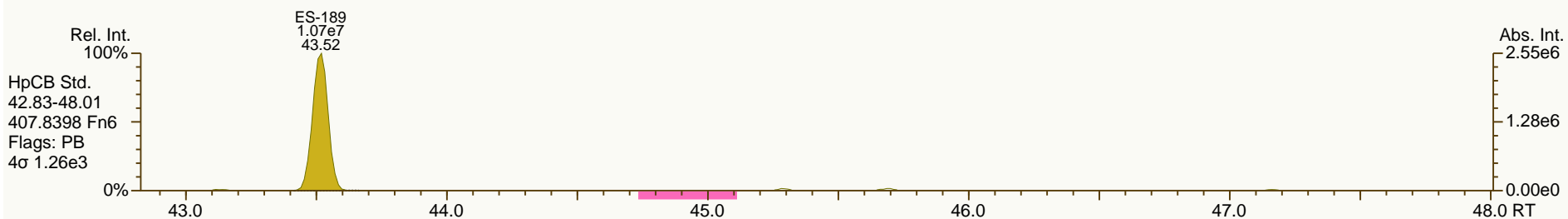
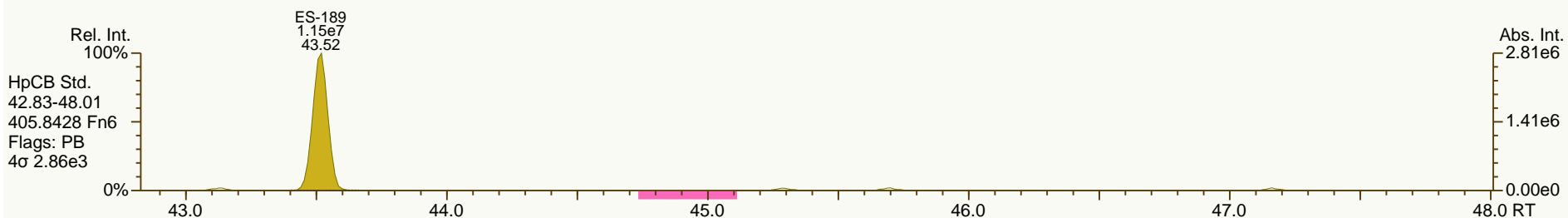
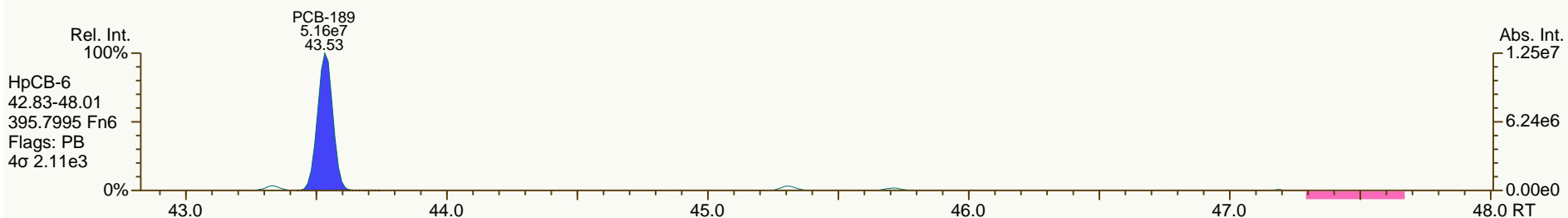
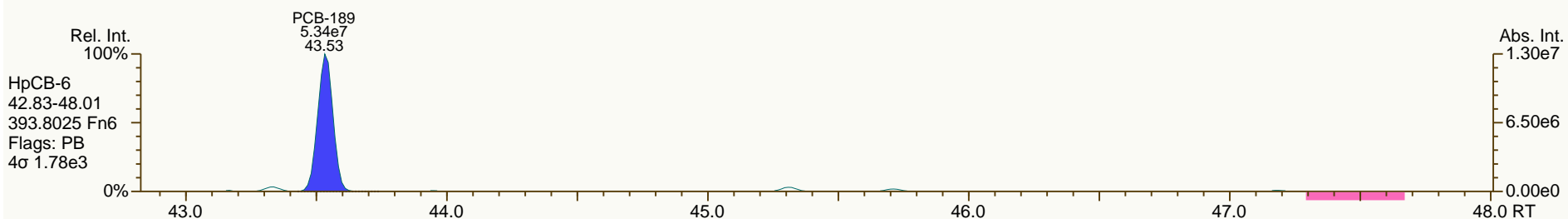
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 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

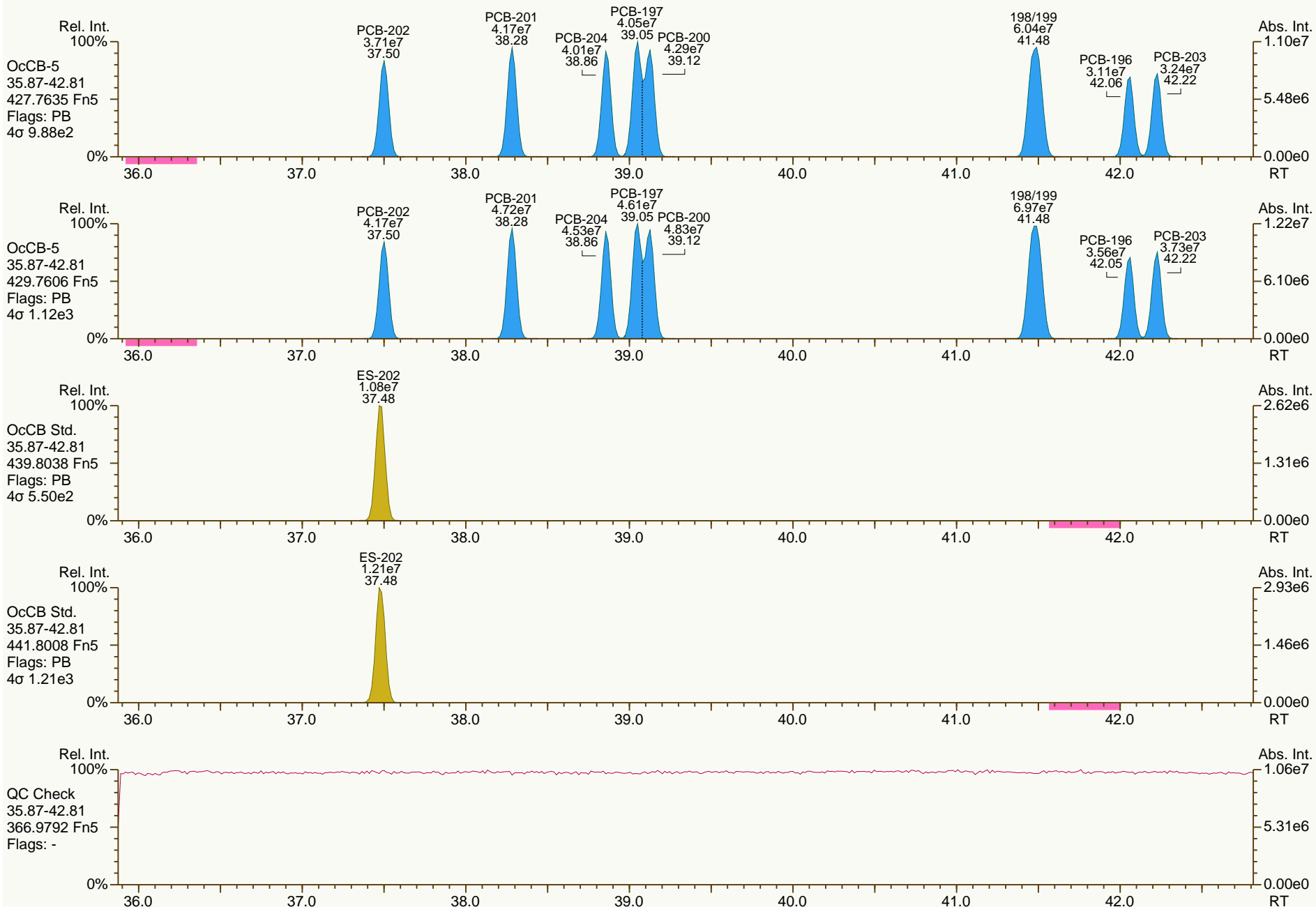
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 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

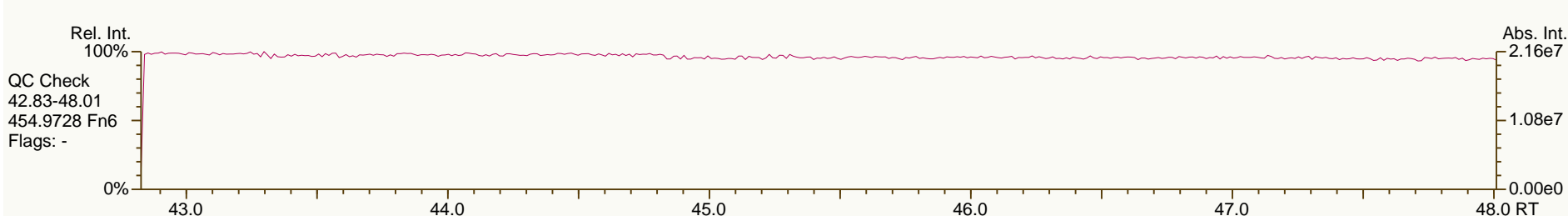
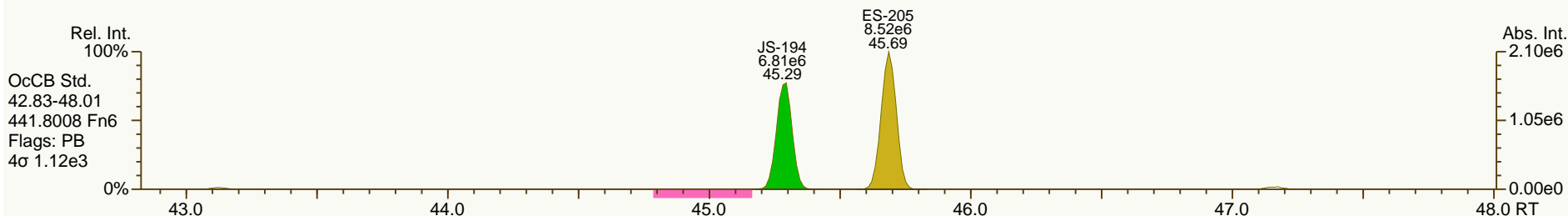
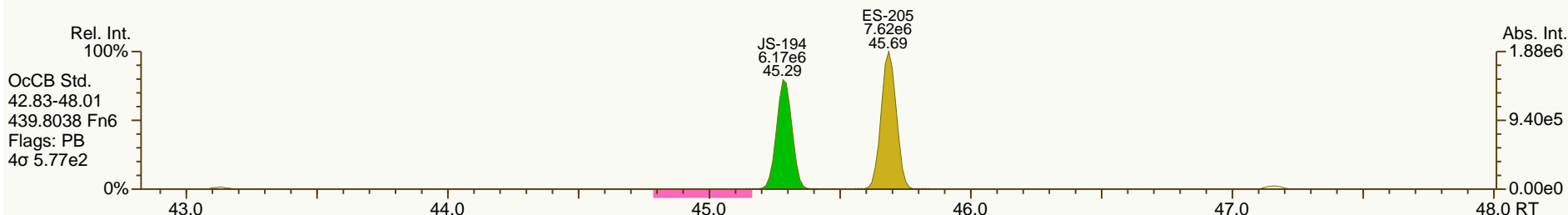
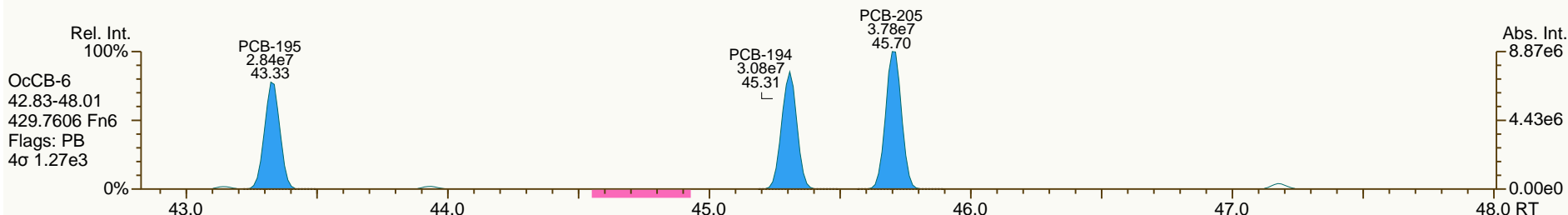
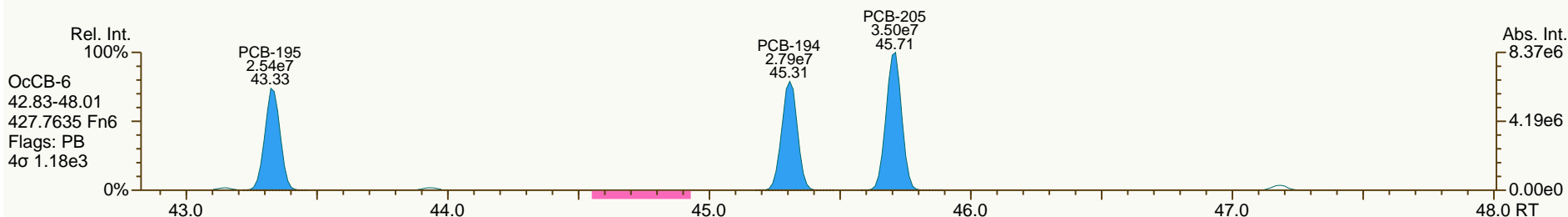
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

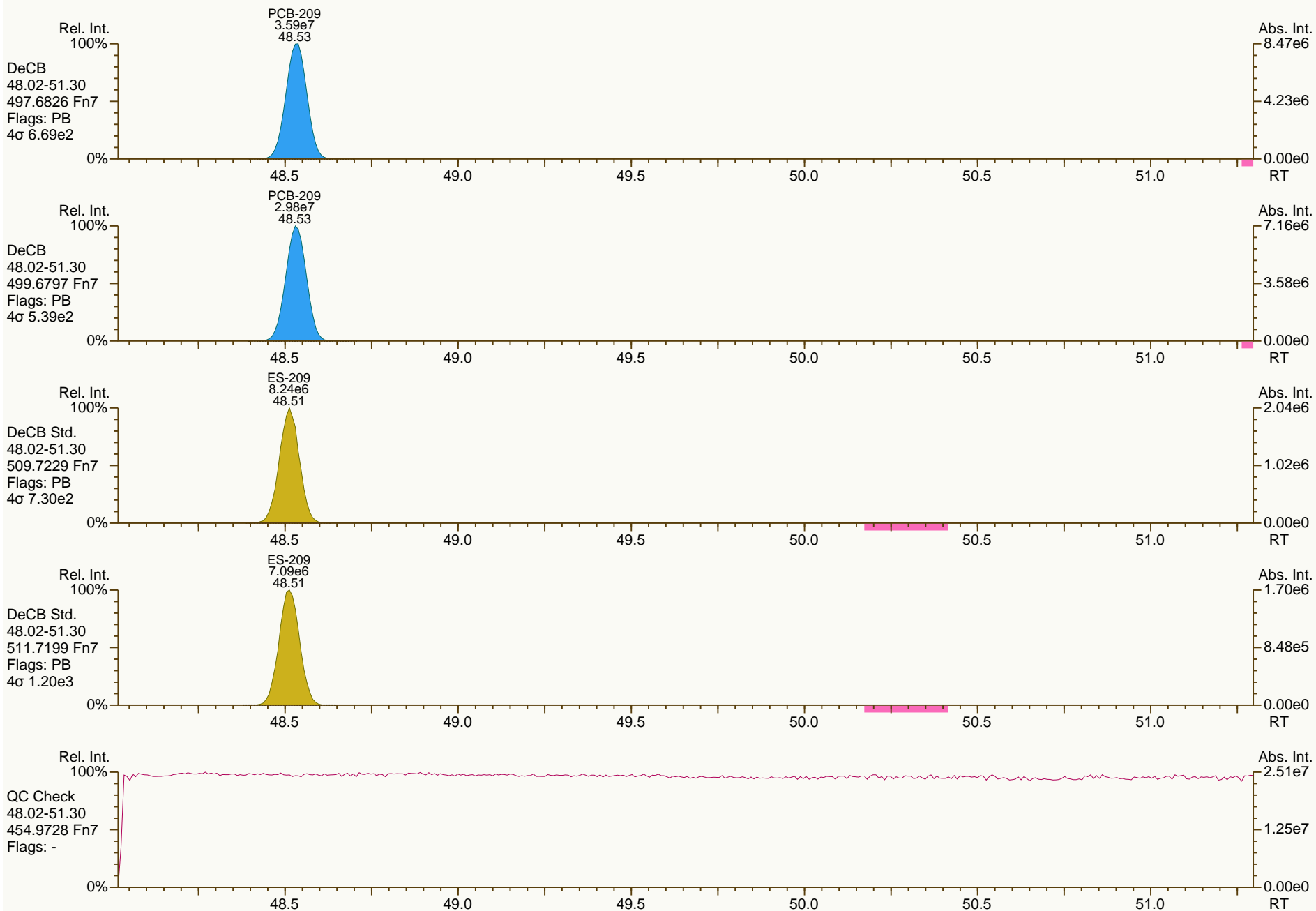
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 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%	
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%	
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%	
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%	
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%	
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%	
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%	
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%	
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%	
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%	
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%	
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%	
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%	
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%	
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%	
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%	
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%	
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%	
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%	
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%	
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%	
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%	
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%	
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%	
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%	
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%	
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%	
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%	
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%	
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%	
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%	
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%	
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%	
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%	
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%	
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%	
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%	
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%	
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%	
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%	
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	2.7%	
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	4.6%	
PCB-59/62/75 233'6'-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	4.2%	
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	2.9%	
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	5.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	4.5%	
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	3.5%	
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	4.4%	
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.6%	
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	2.1%	
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	0.0%	
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	3.6%	
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	5.5%	
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	6.2%	
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	4.2%	
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	2.1%	
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	4.1%	
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	5.6%	
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	2.9%	
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	5.6%	
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	3.2%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	2.9%	
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	7.4%	
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	3.6%	
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	6.1%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	8.0%	
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	6.5%	
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	8.6%	
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	7.5%	
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	5.8%	
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	5.3%	
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	5.0%	
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	4.0%	
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	2.7%	
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	4.6%	
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	3.8%	
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	9.0%	
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	2.6%	
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	5.1%	
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	8.5%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	7.1%	

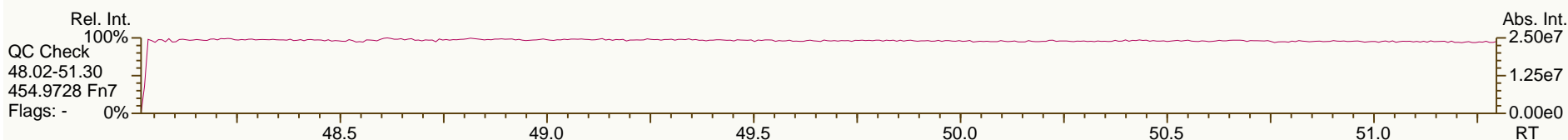
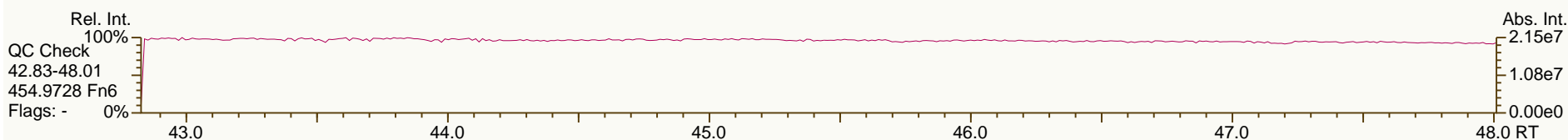
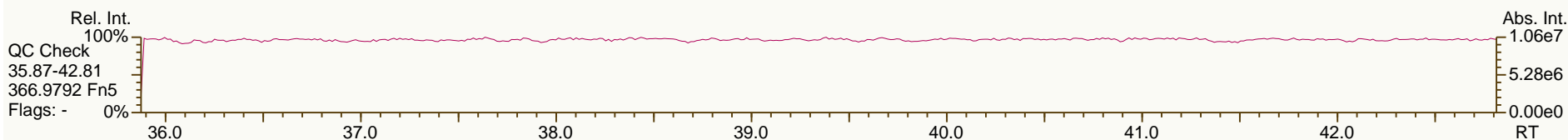
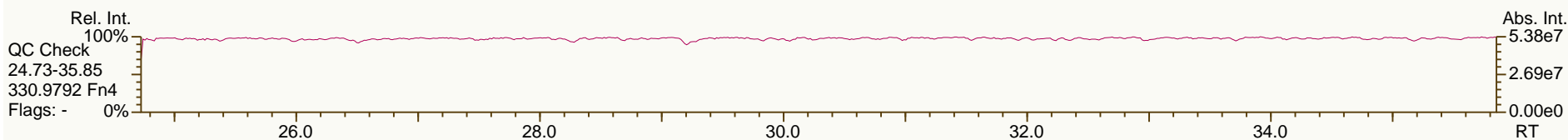
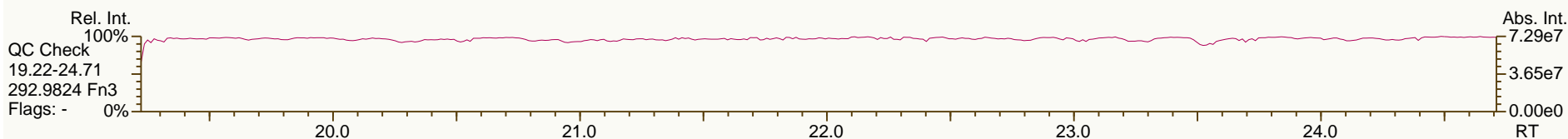
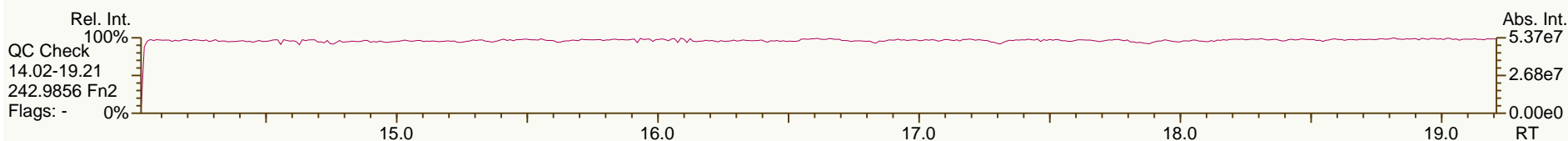
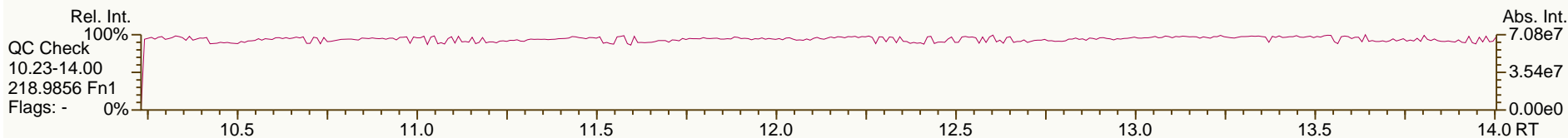
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

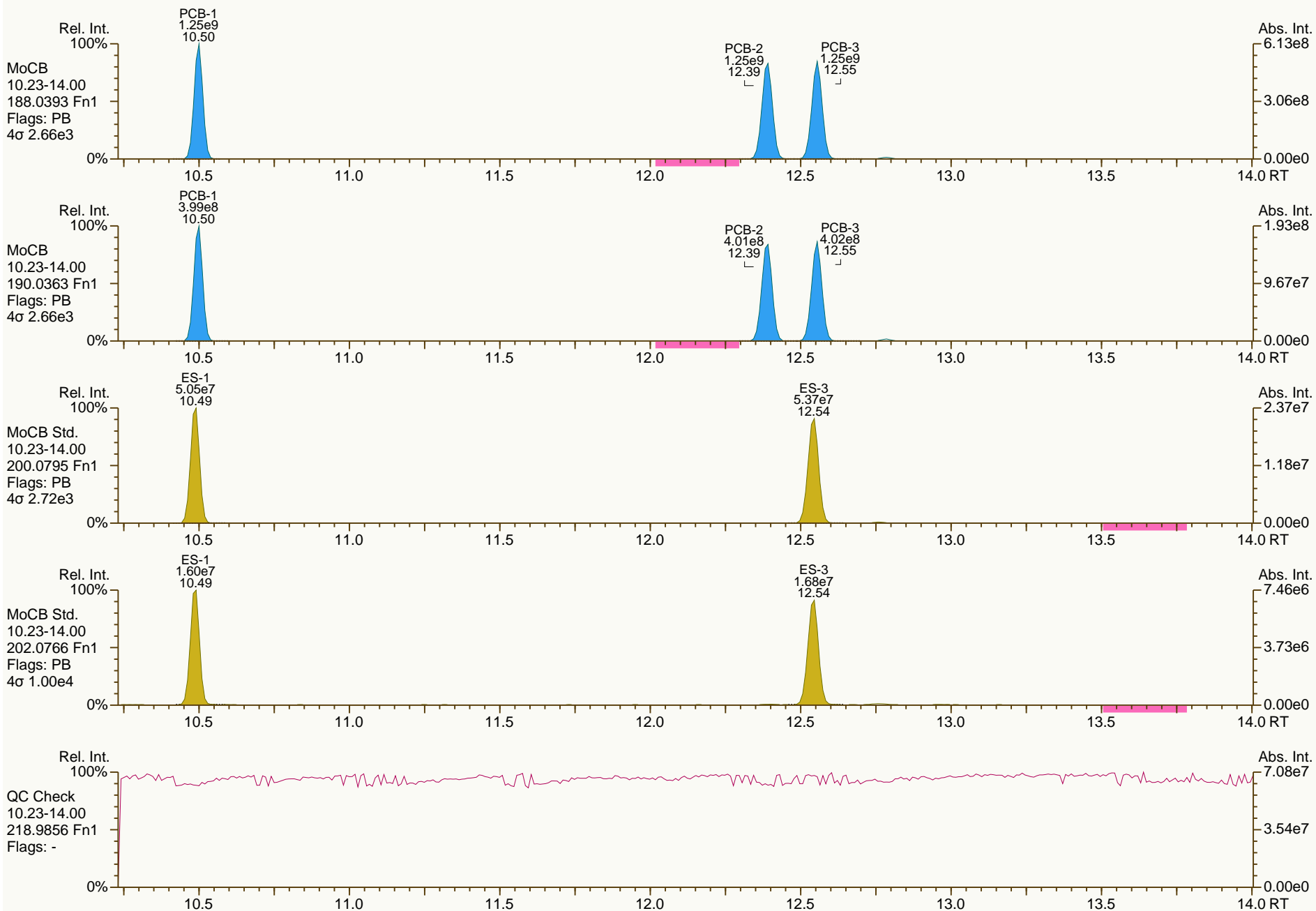
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

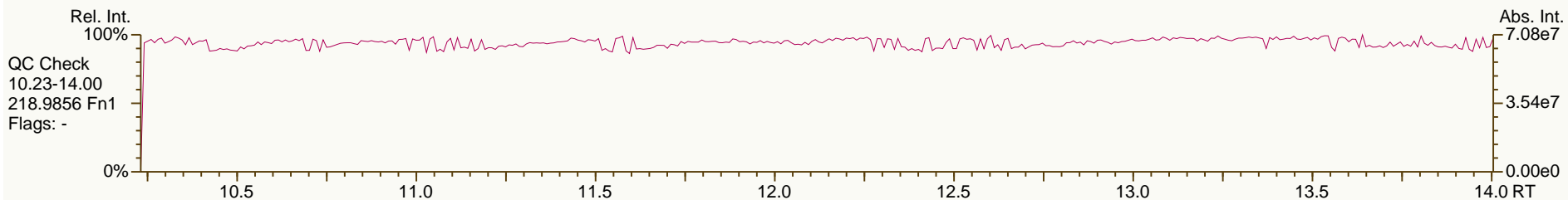
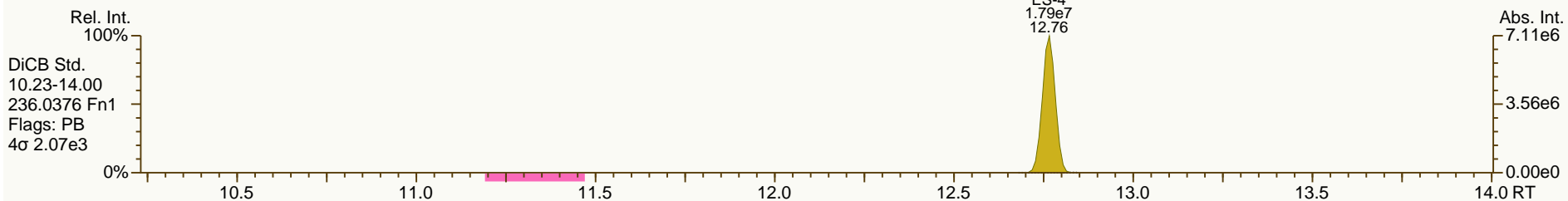
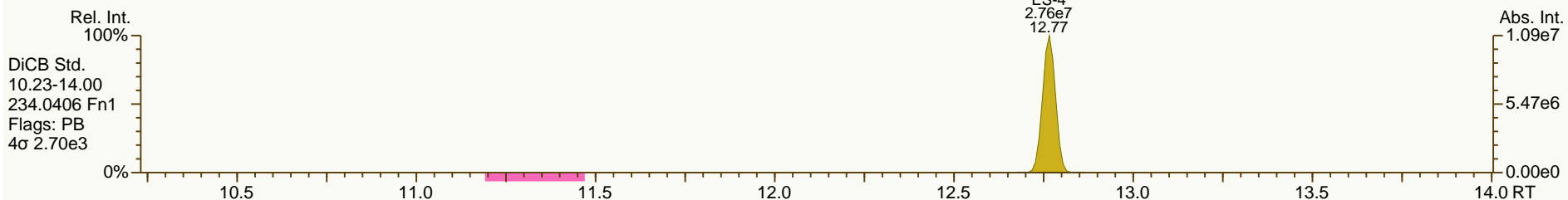
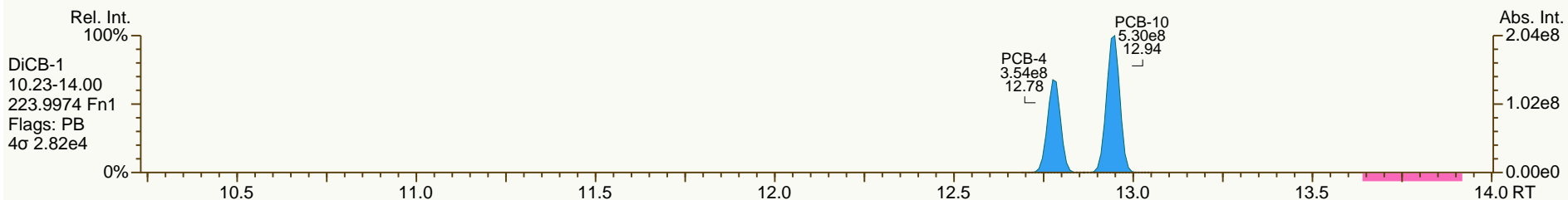
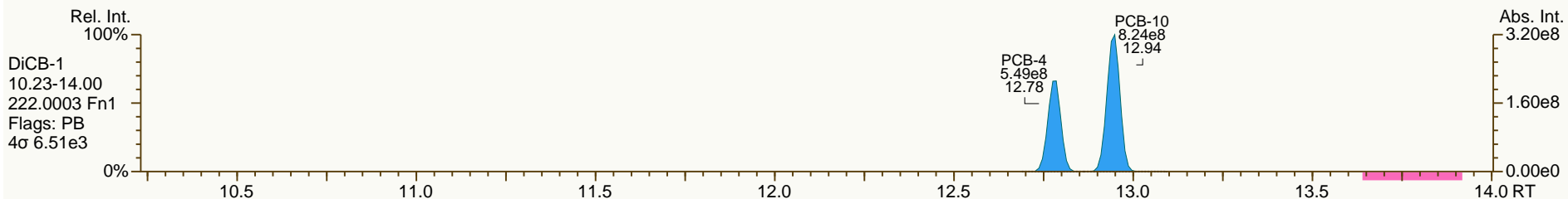
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
 User: CTW Datafile: 120126S08



AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

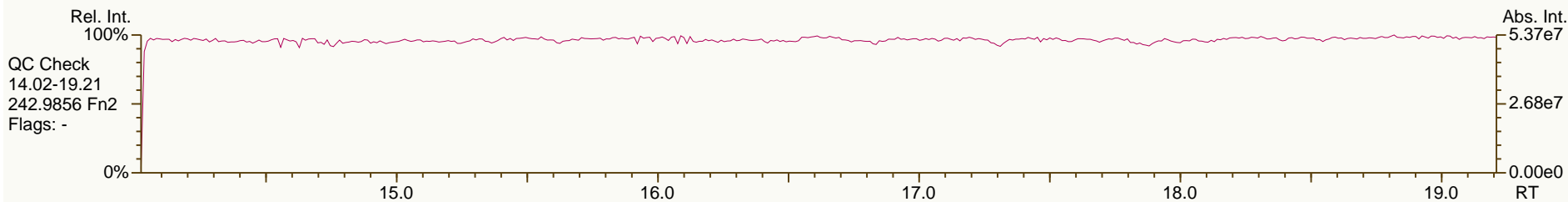
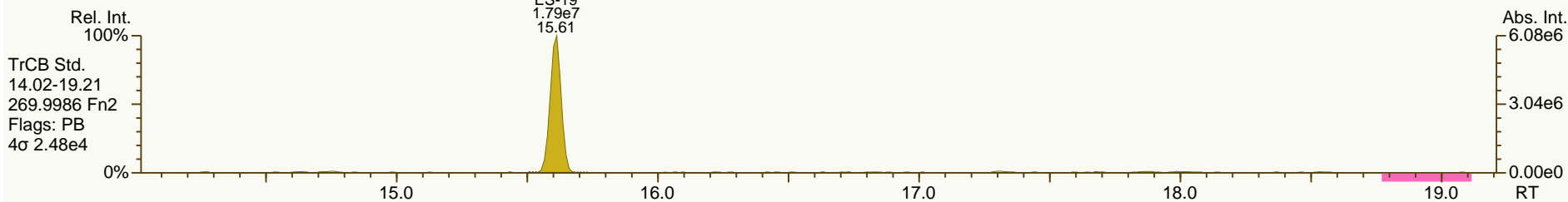
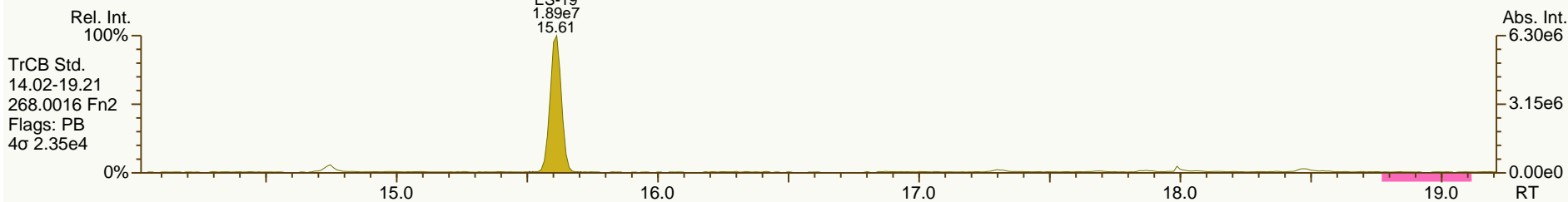
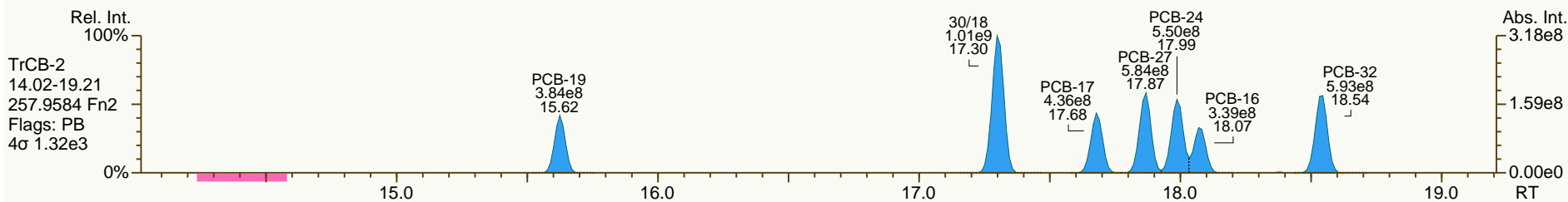
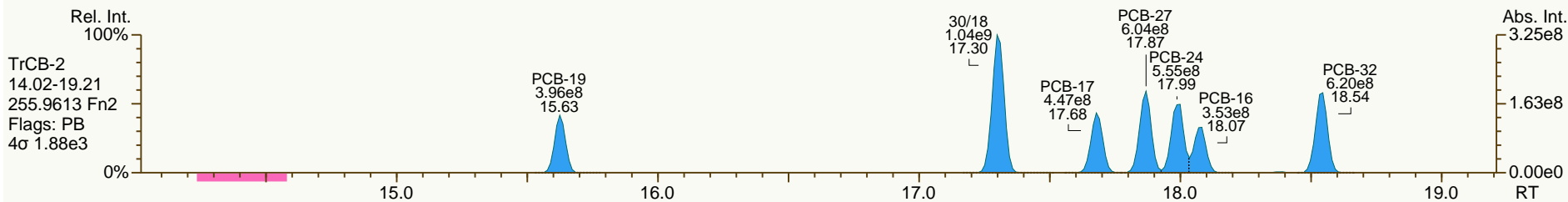
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

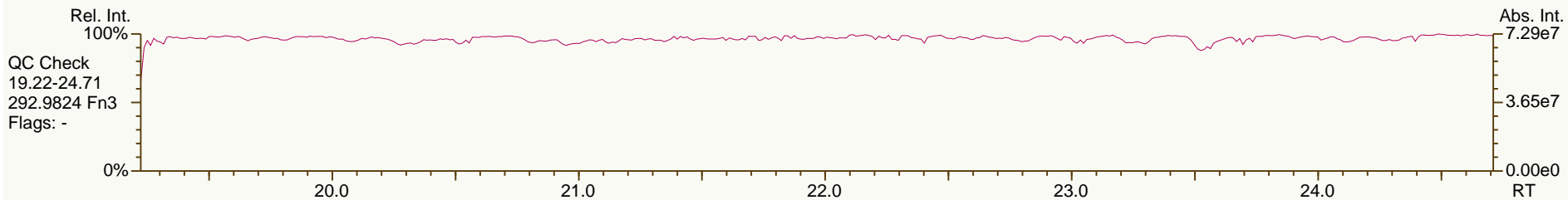
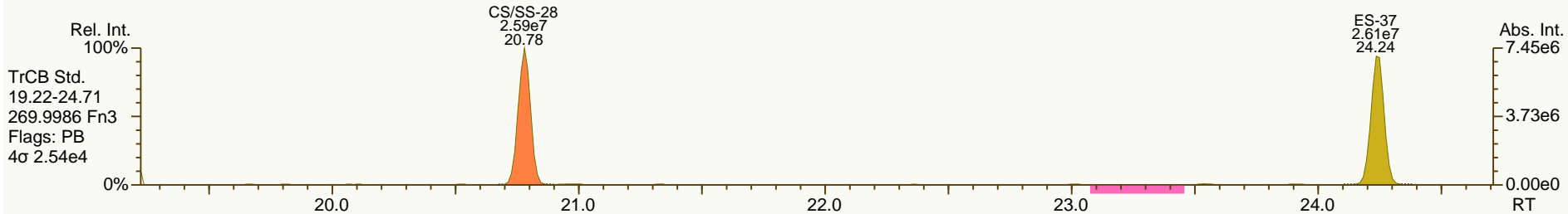
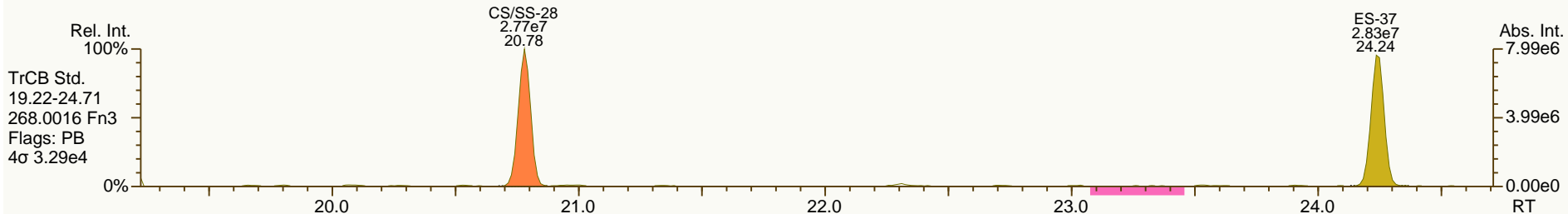
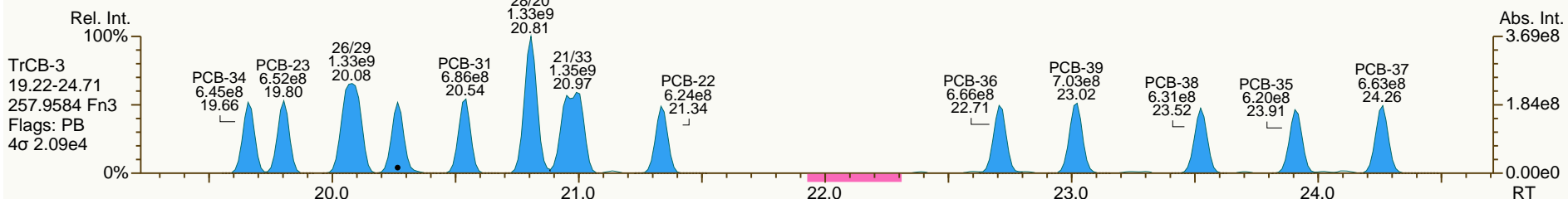
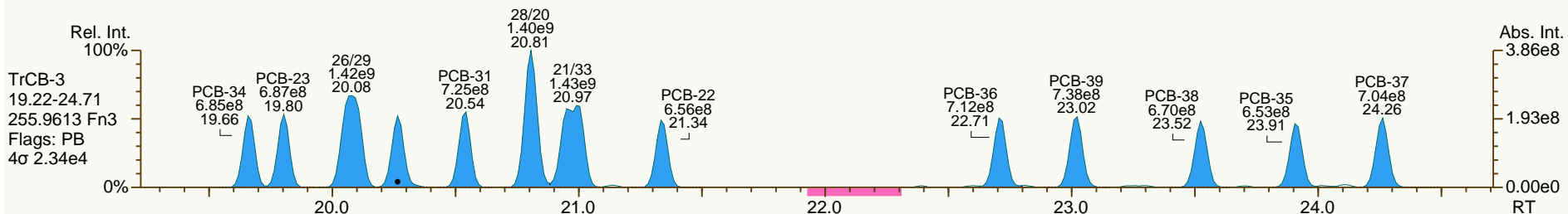
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

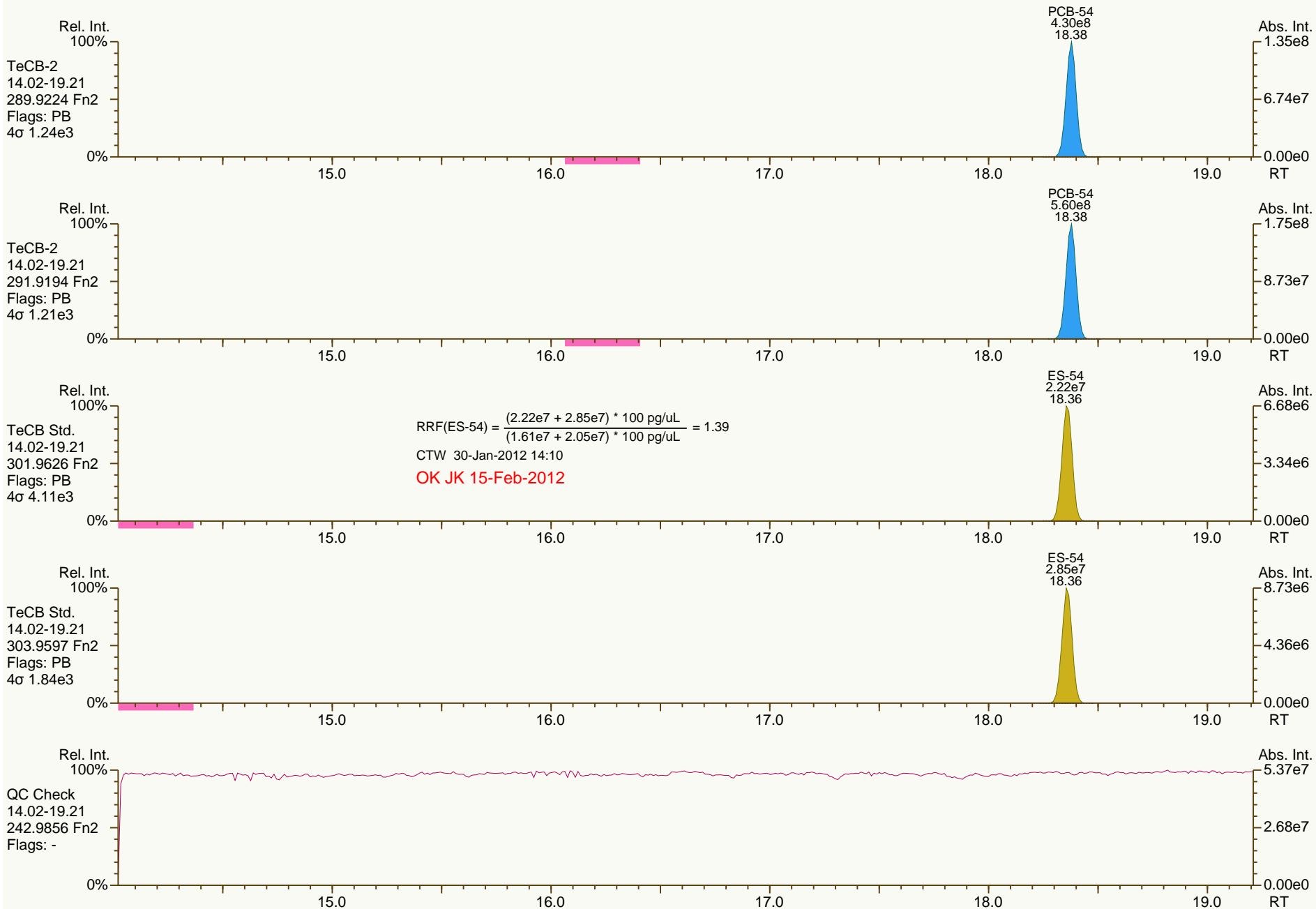
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

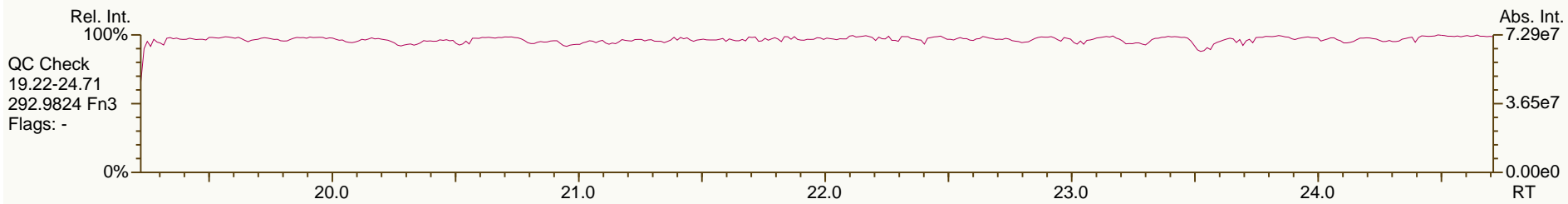
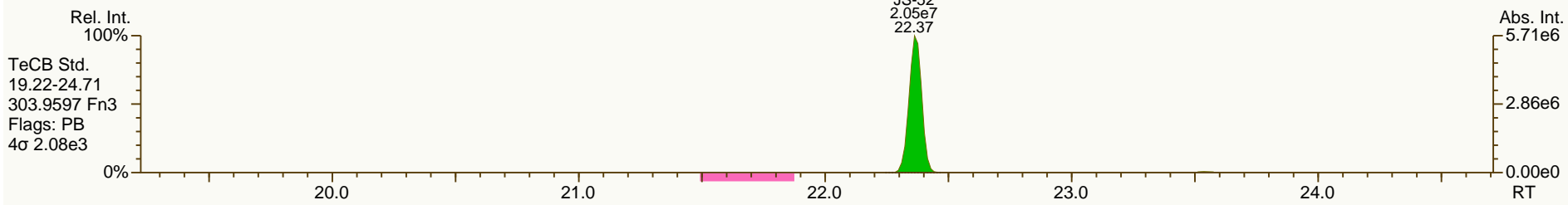
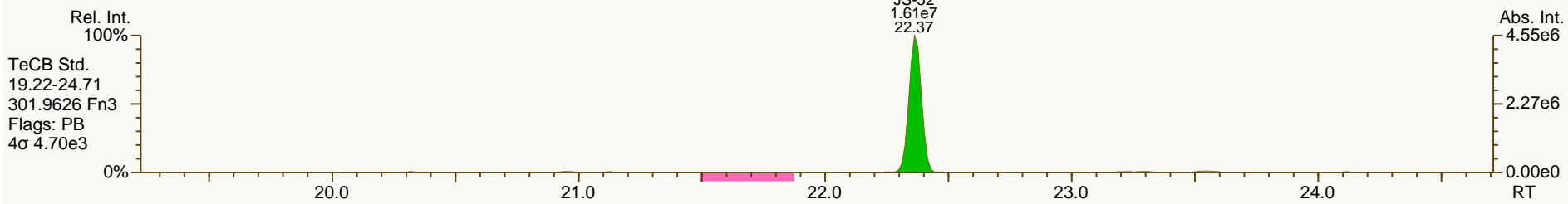
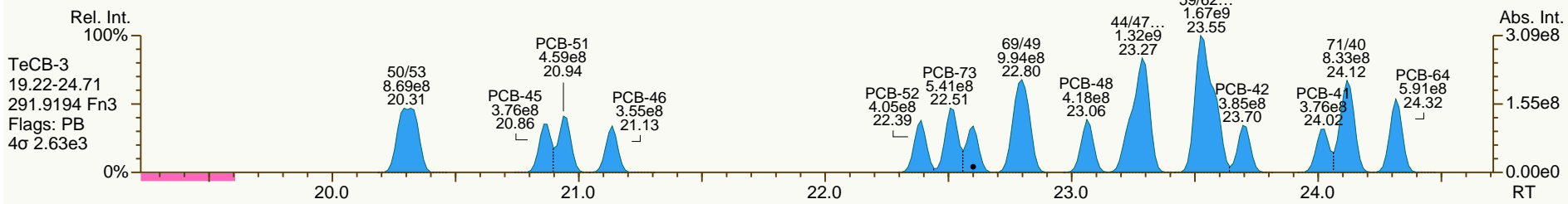
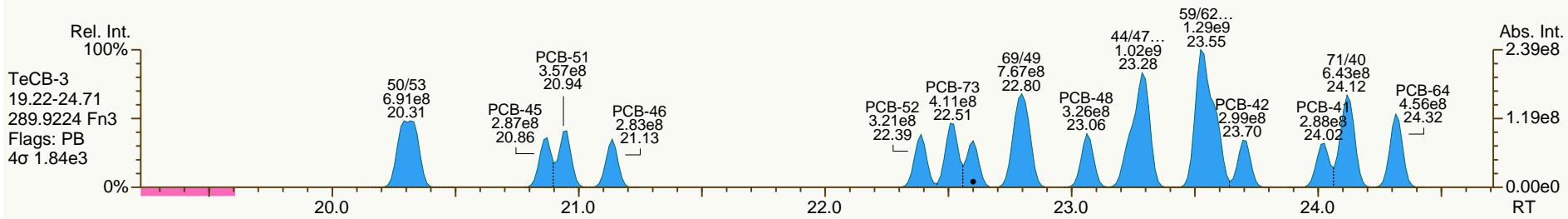
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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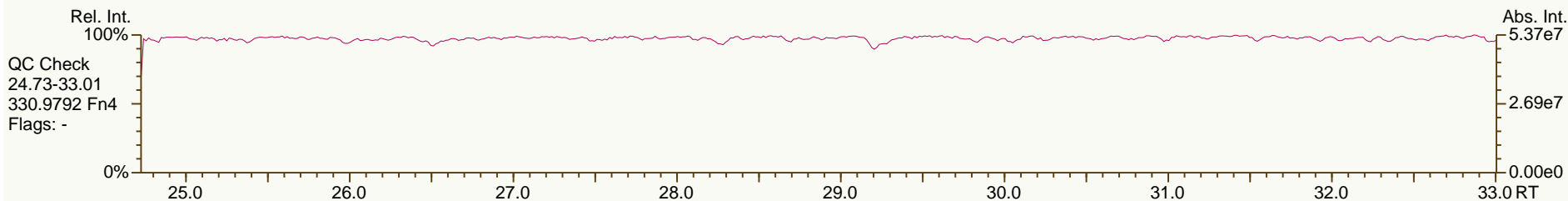
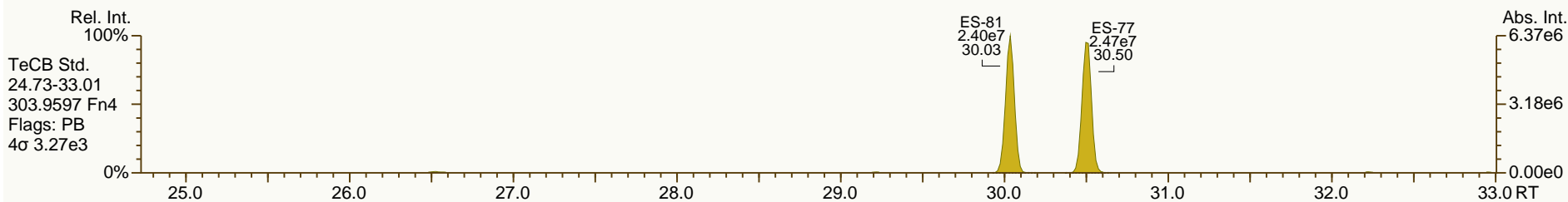
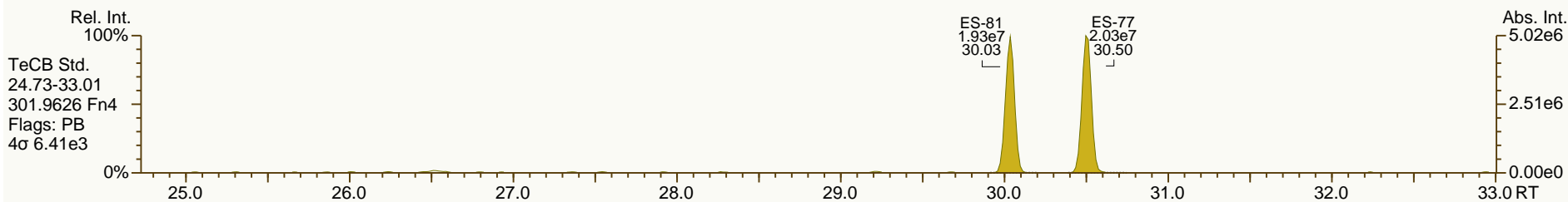
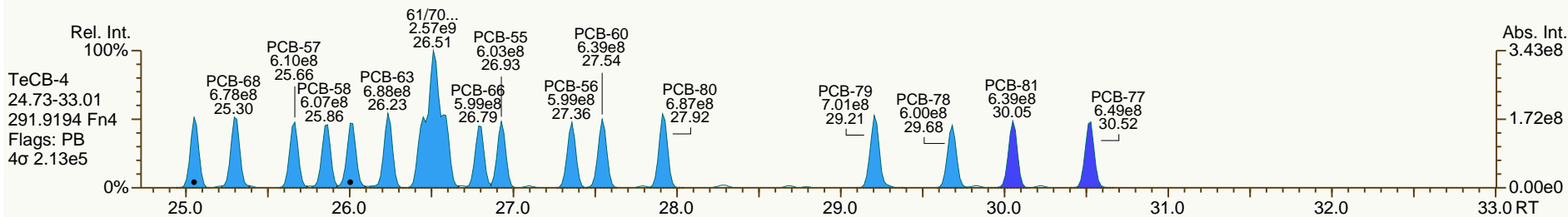
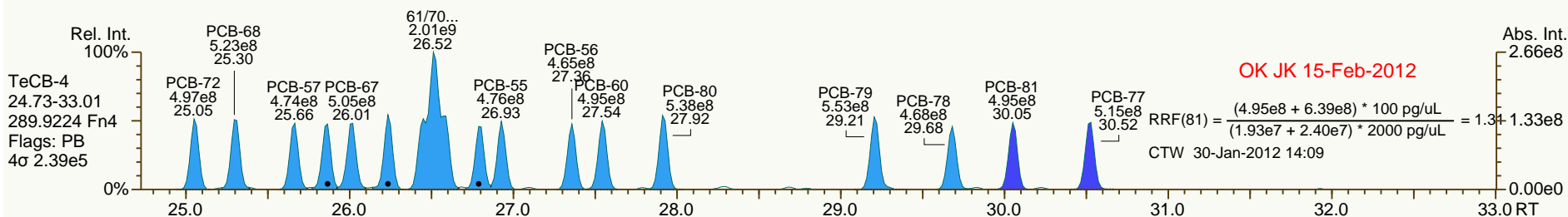
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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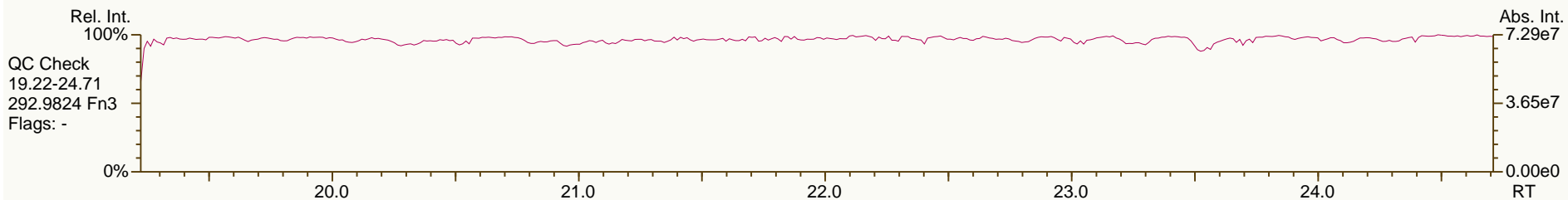
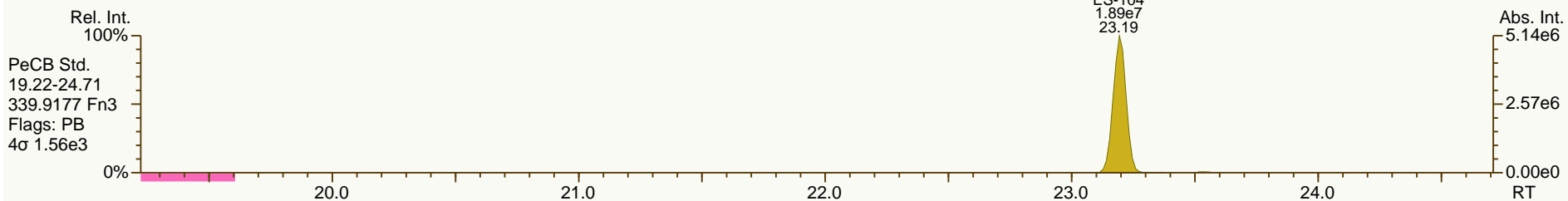
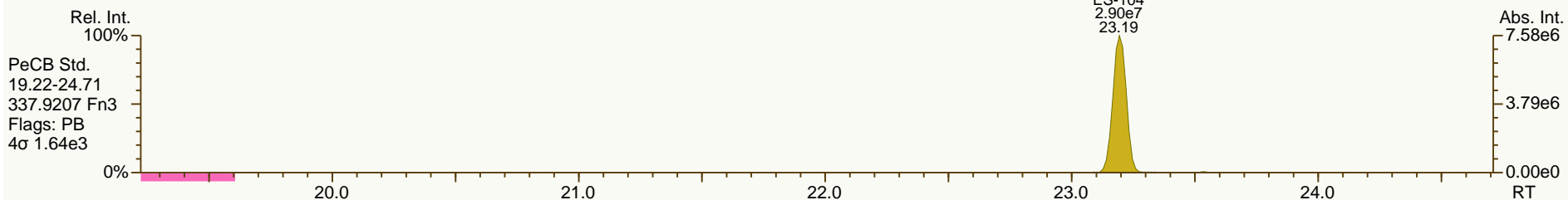
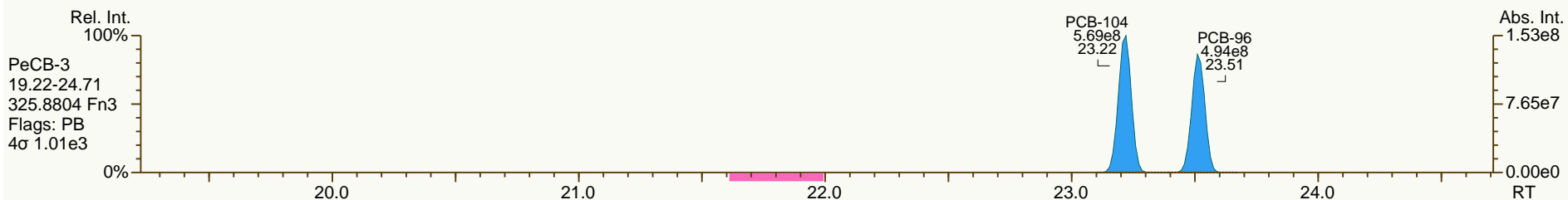
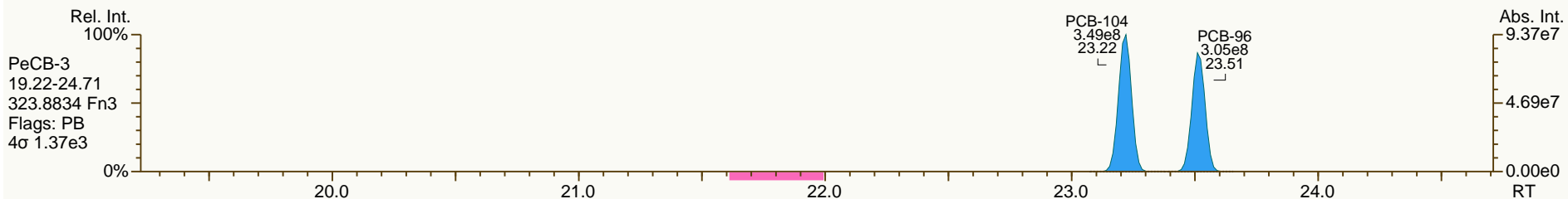
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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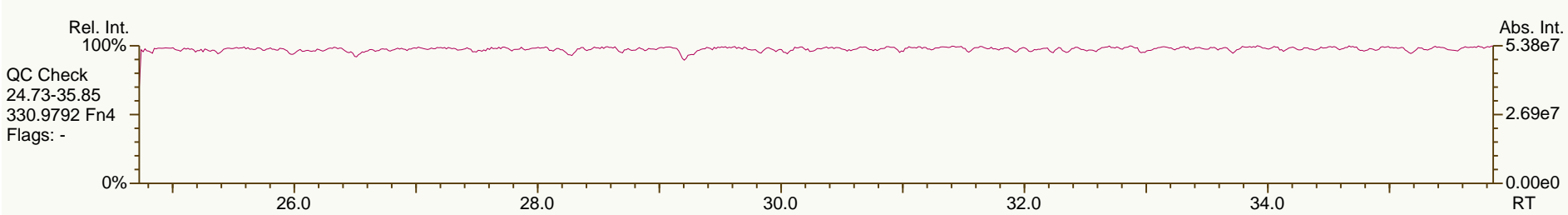
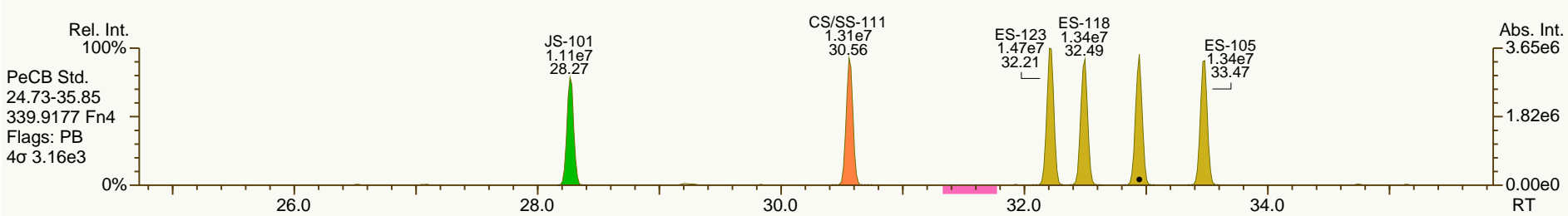
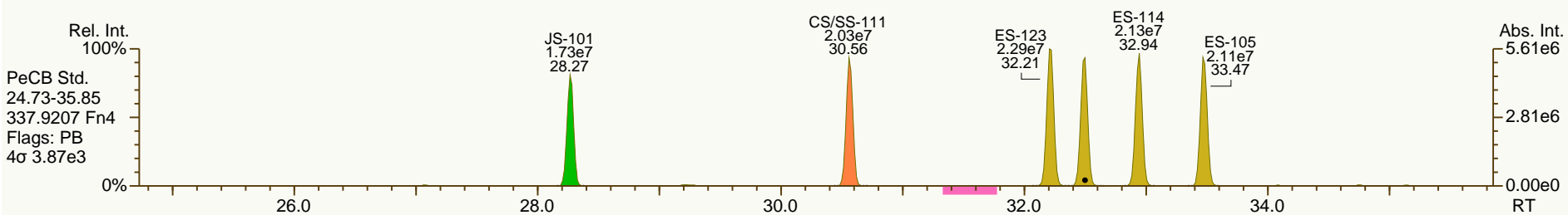
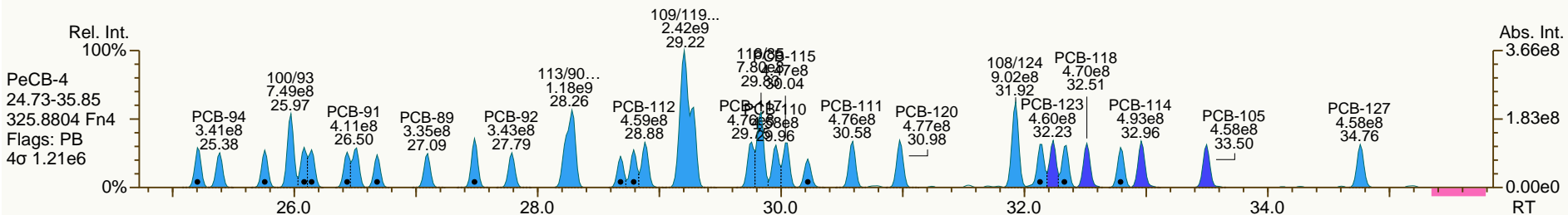
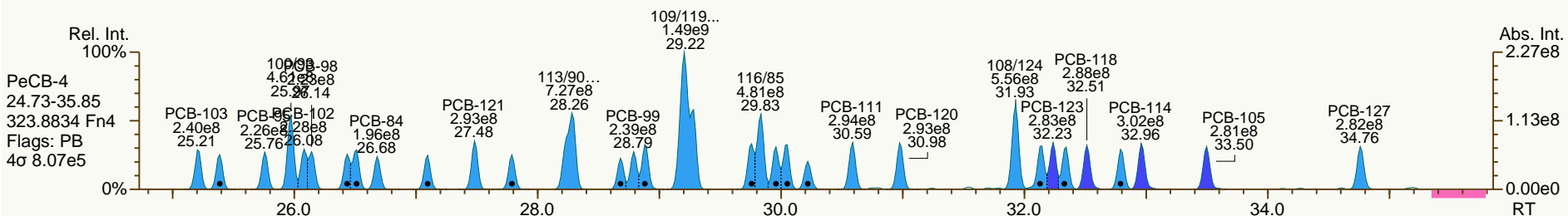
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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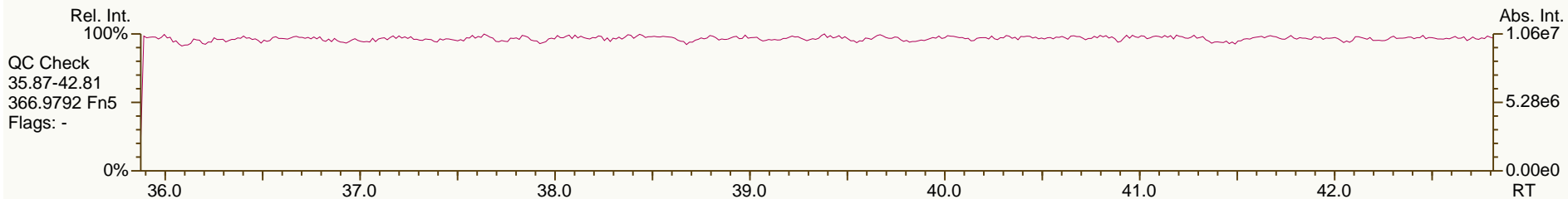
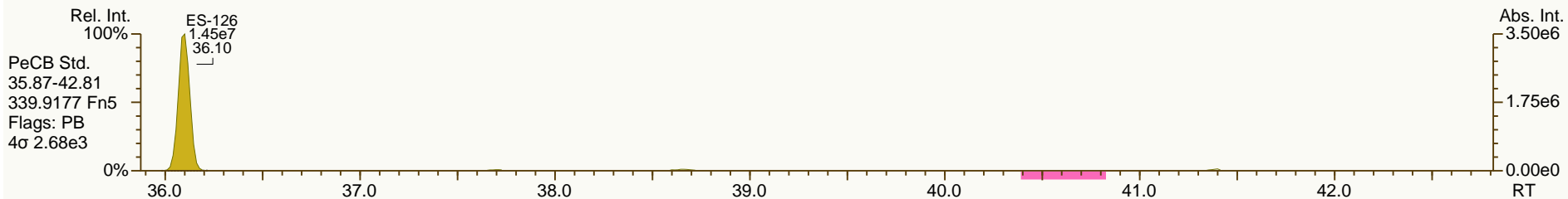
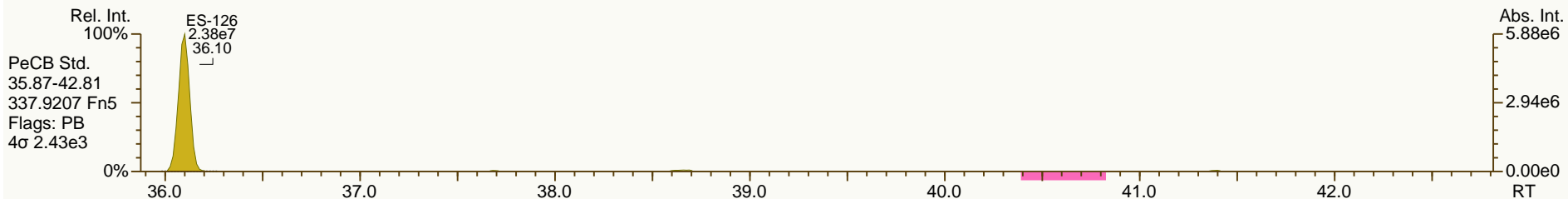
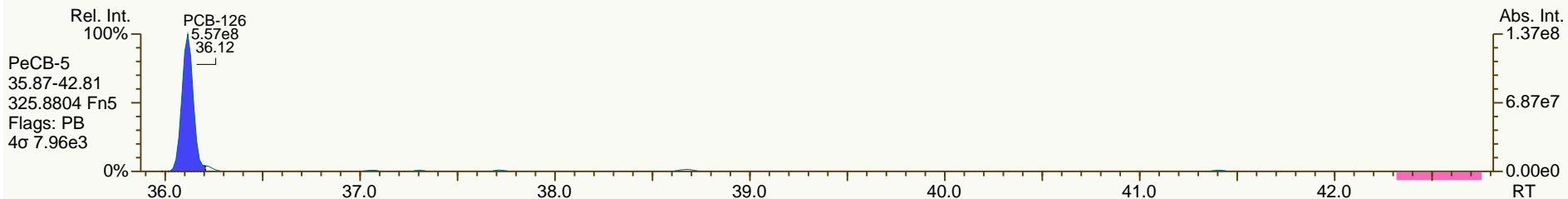
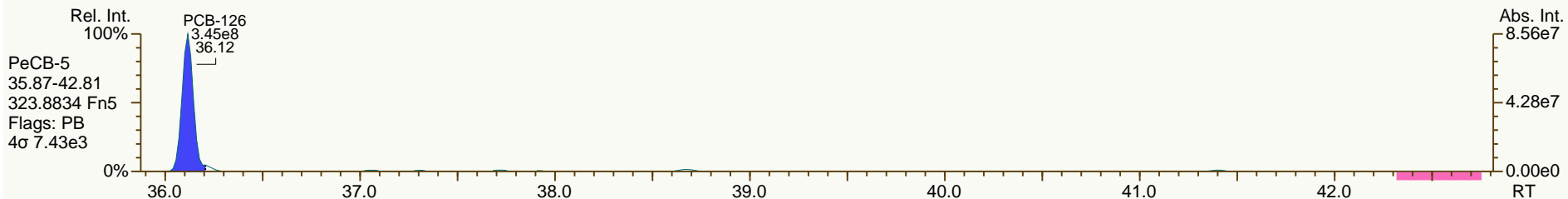
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AP Lab ID: CS5_120126_PCB_SA
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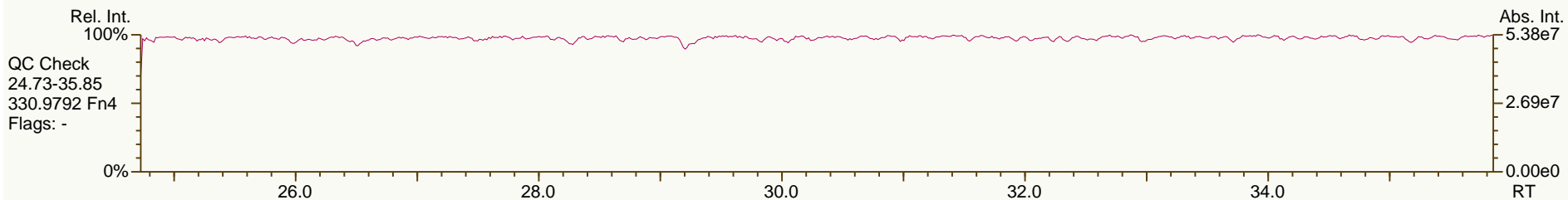
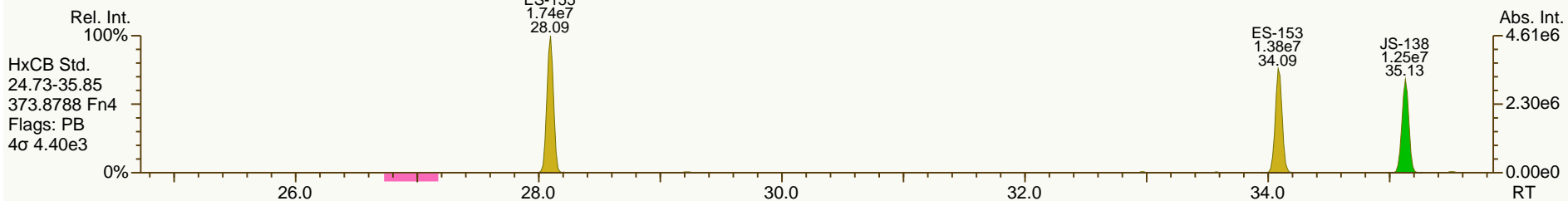
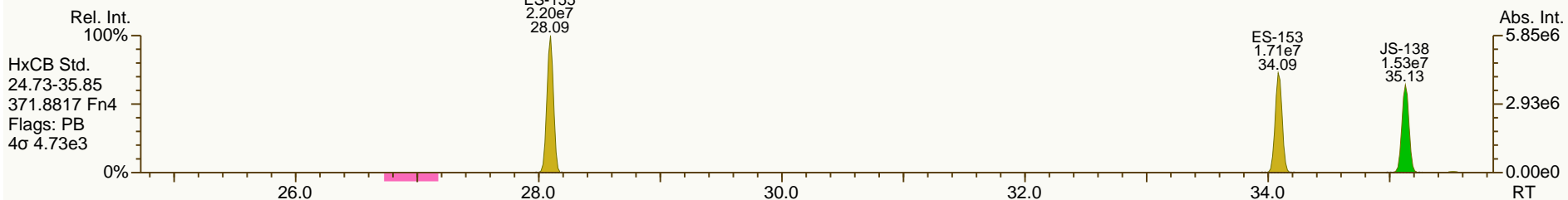
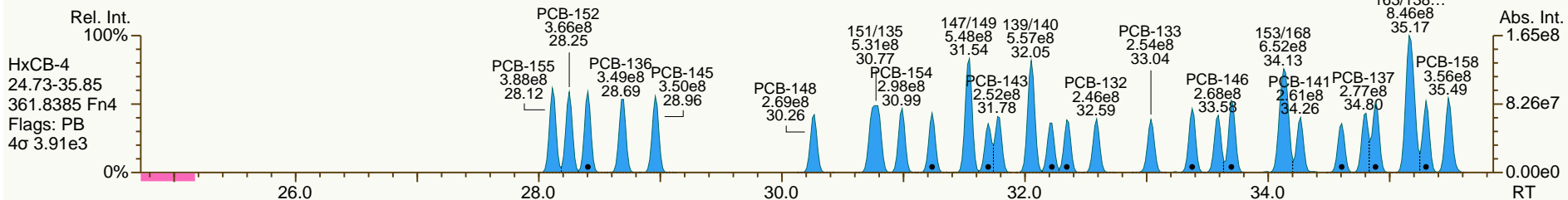
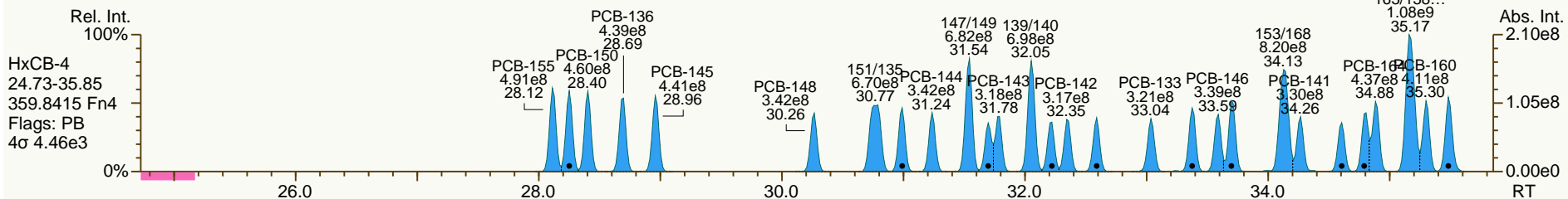
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
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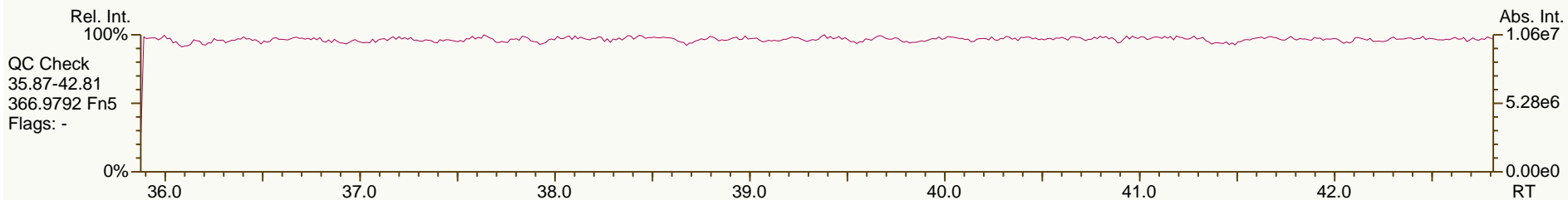
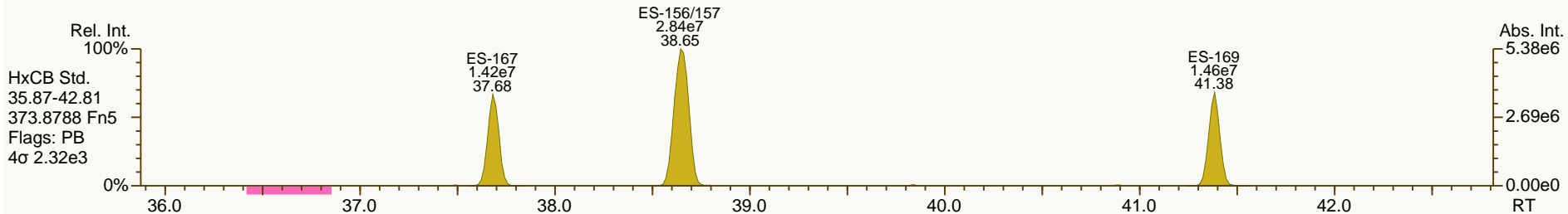
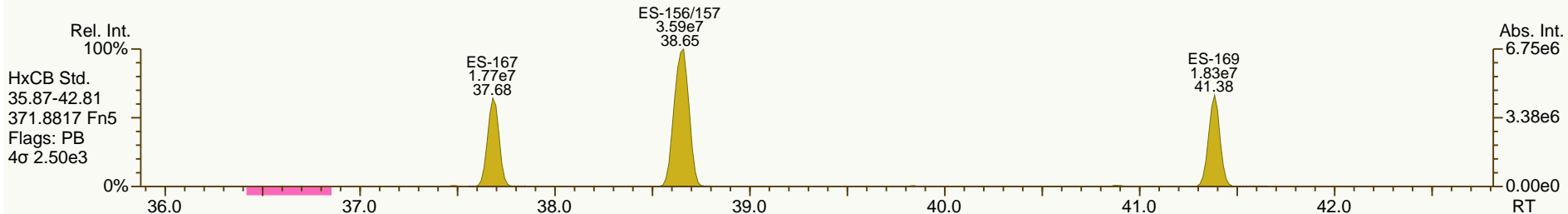
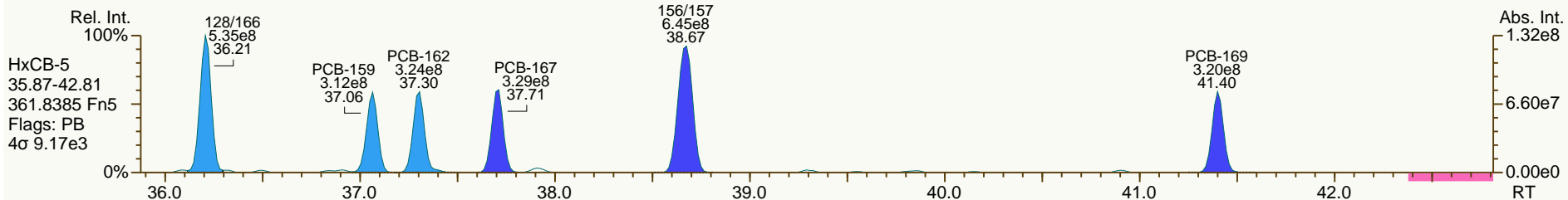
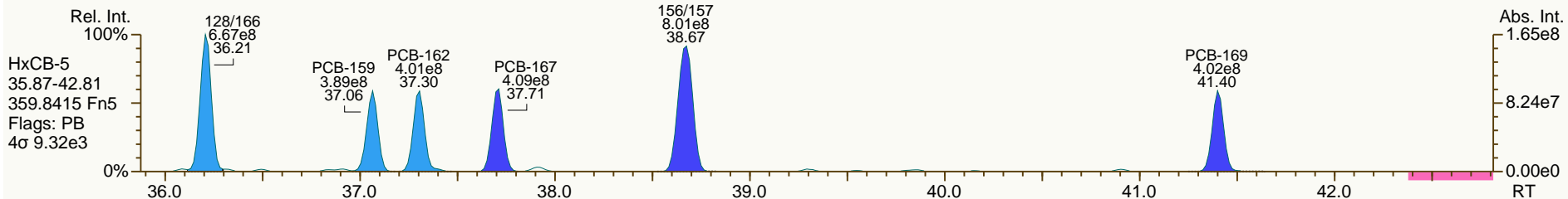
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AP Lab ID: CS5_120126_PCB_SA
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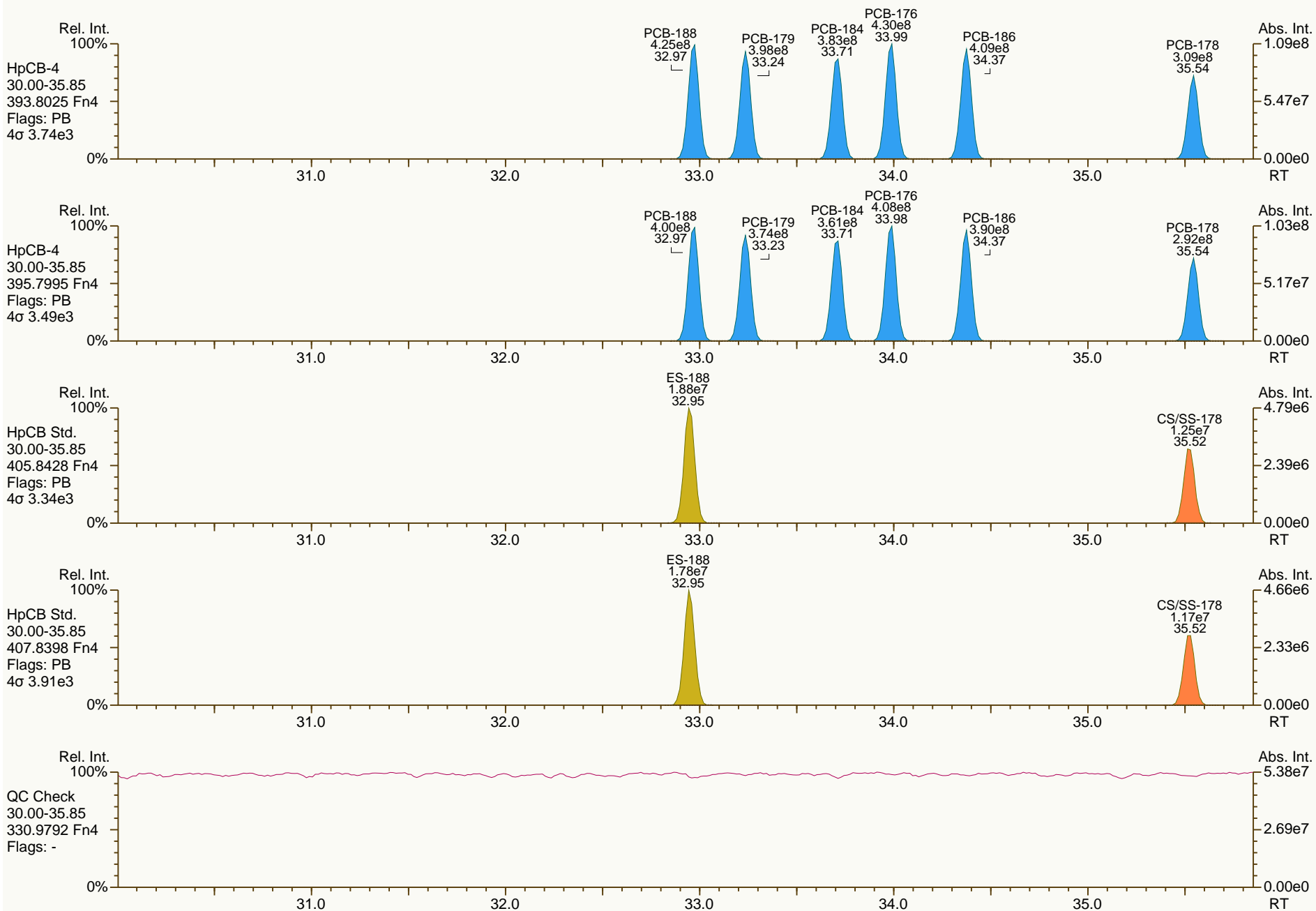
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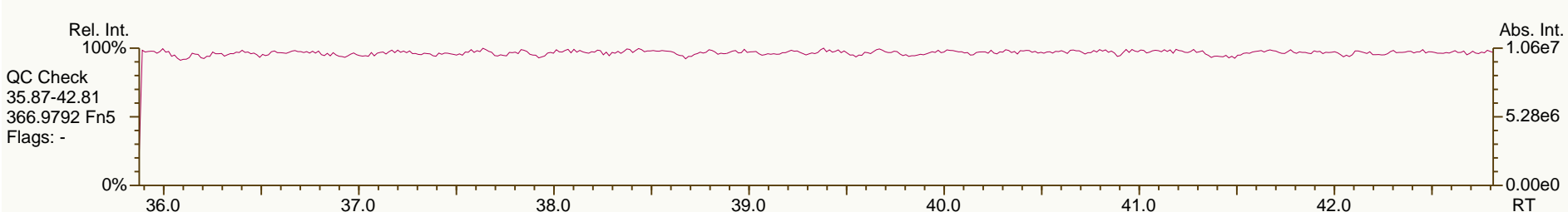
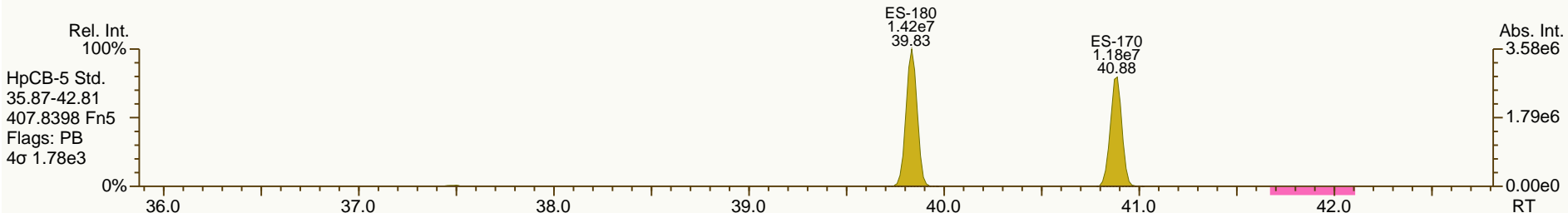
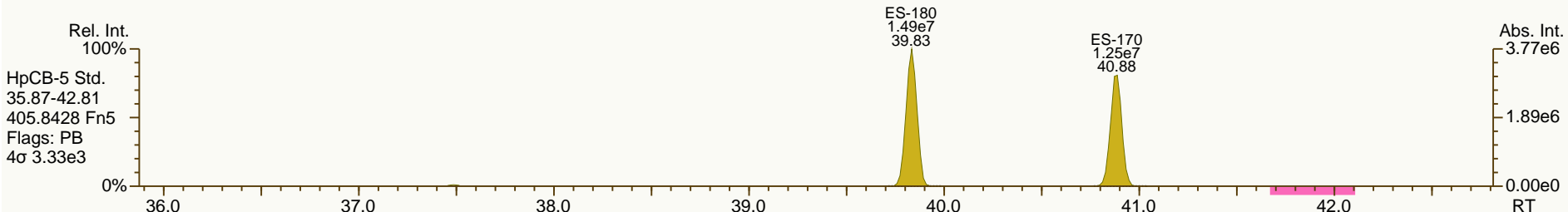
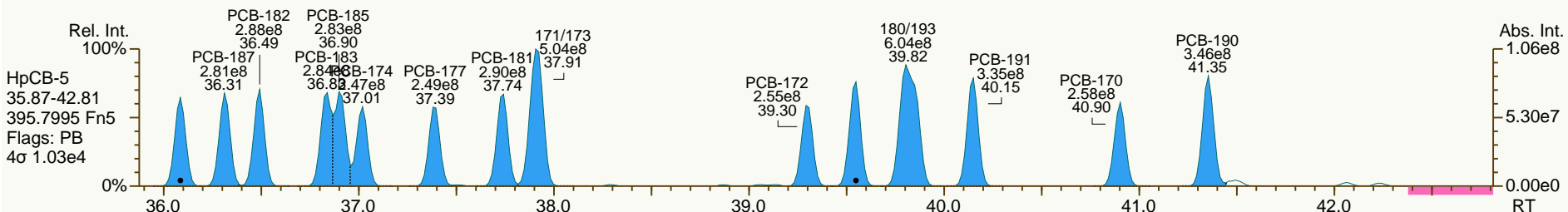
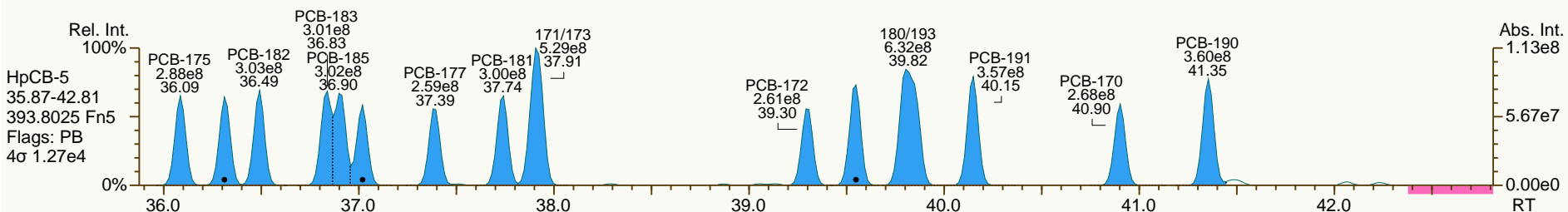
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AP Lab ID: CS5_120126_PCB_SA
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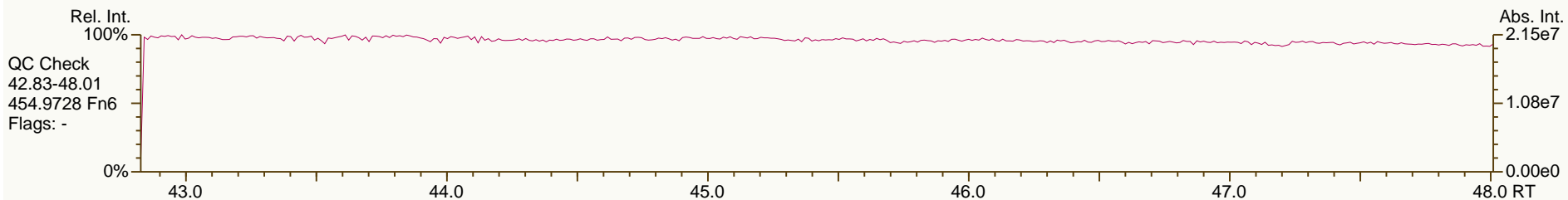
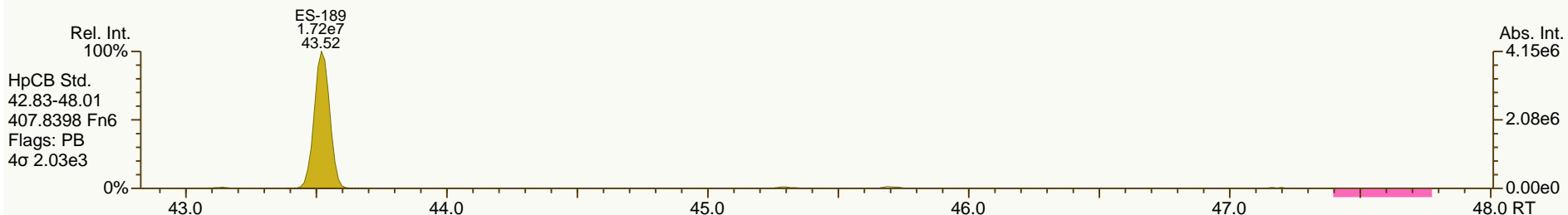
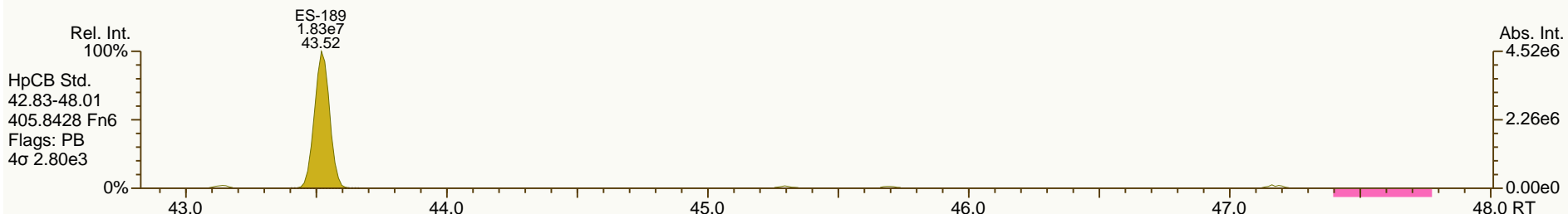
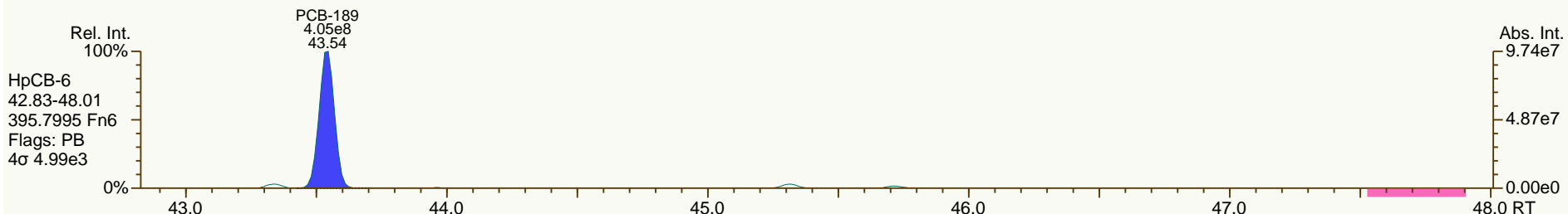
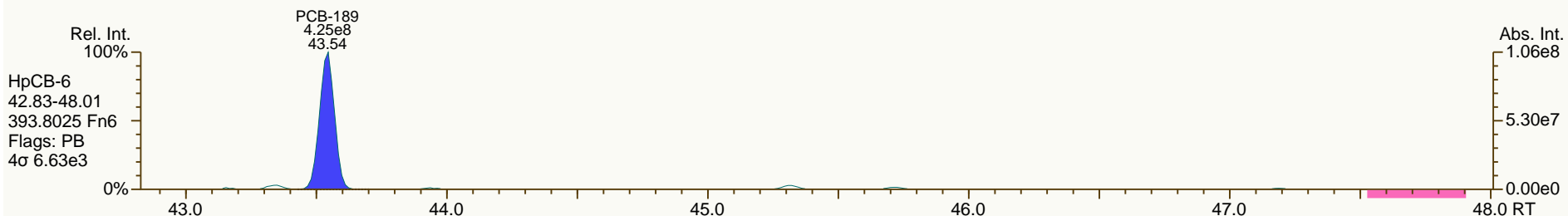
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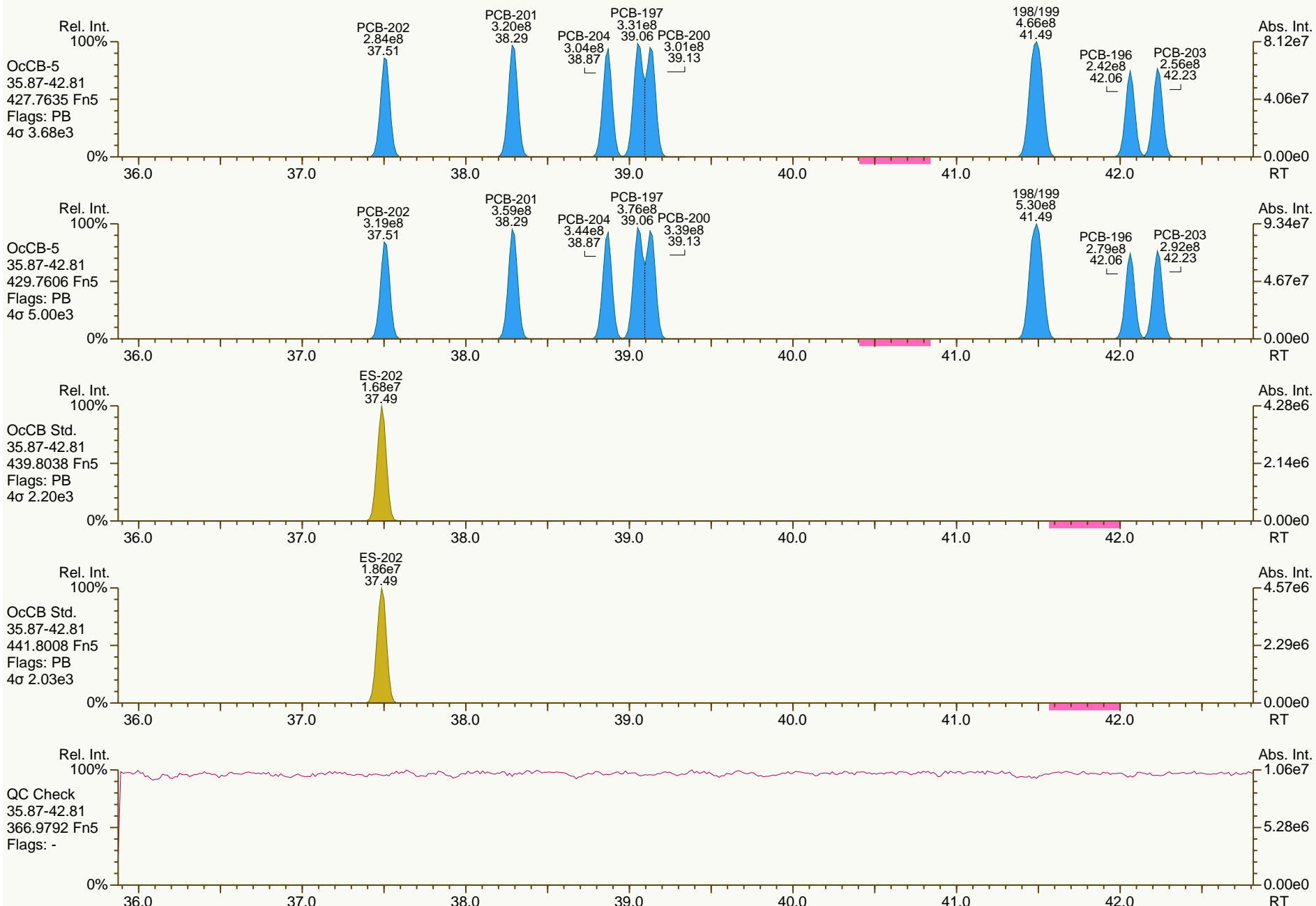
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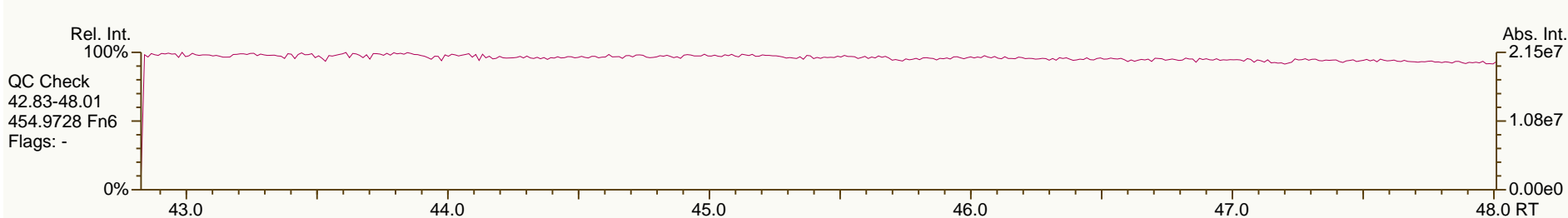
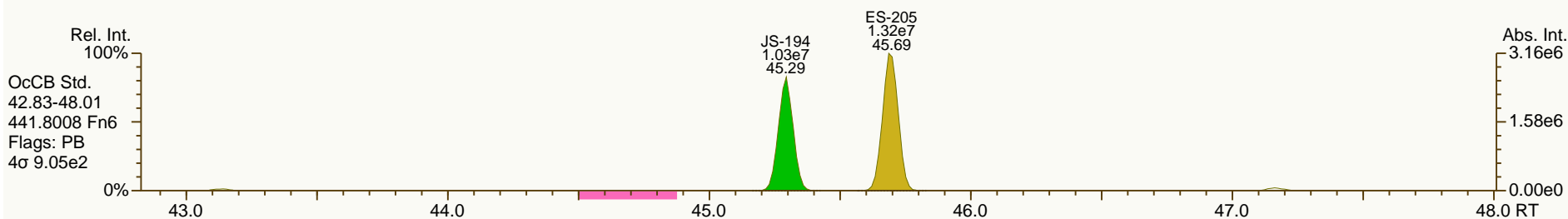
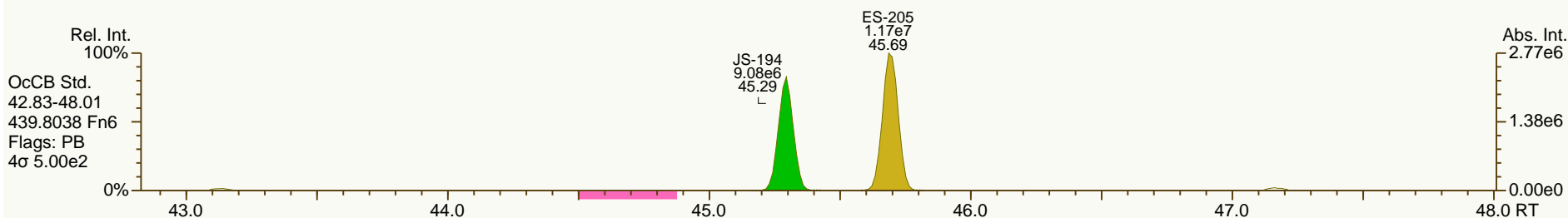
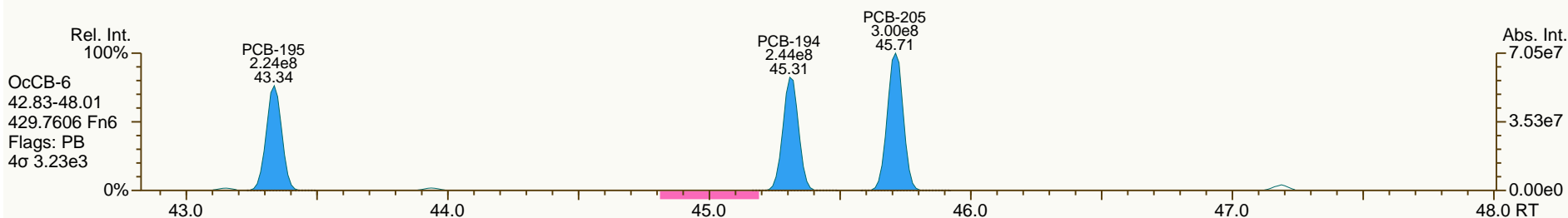
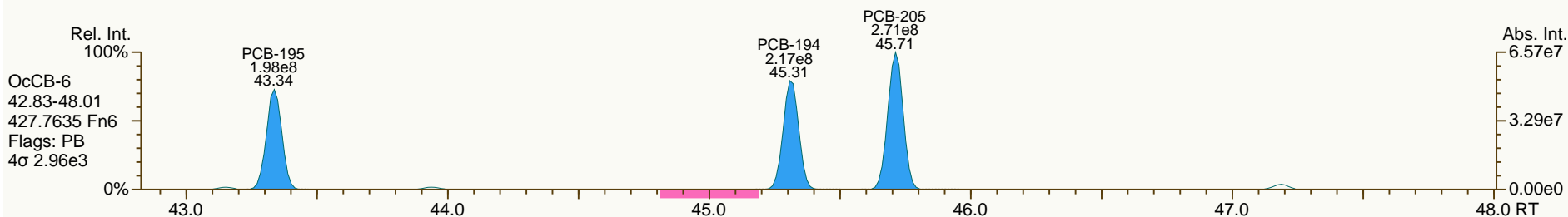
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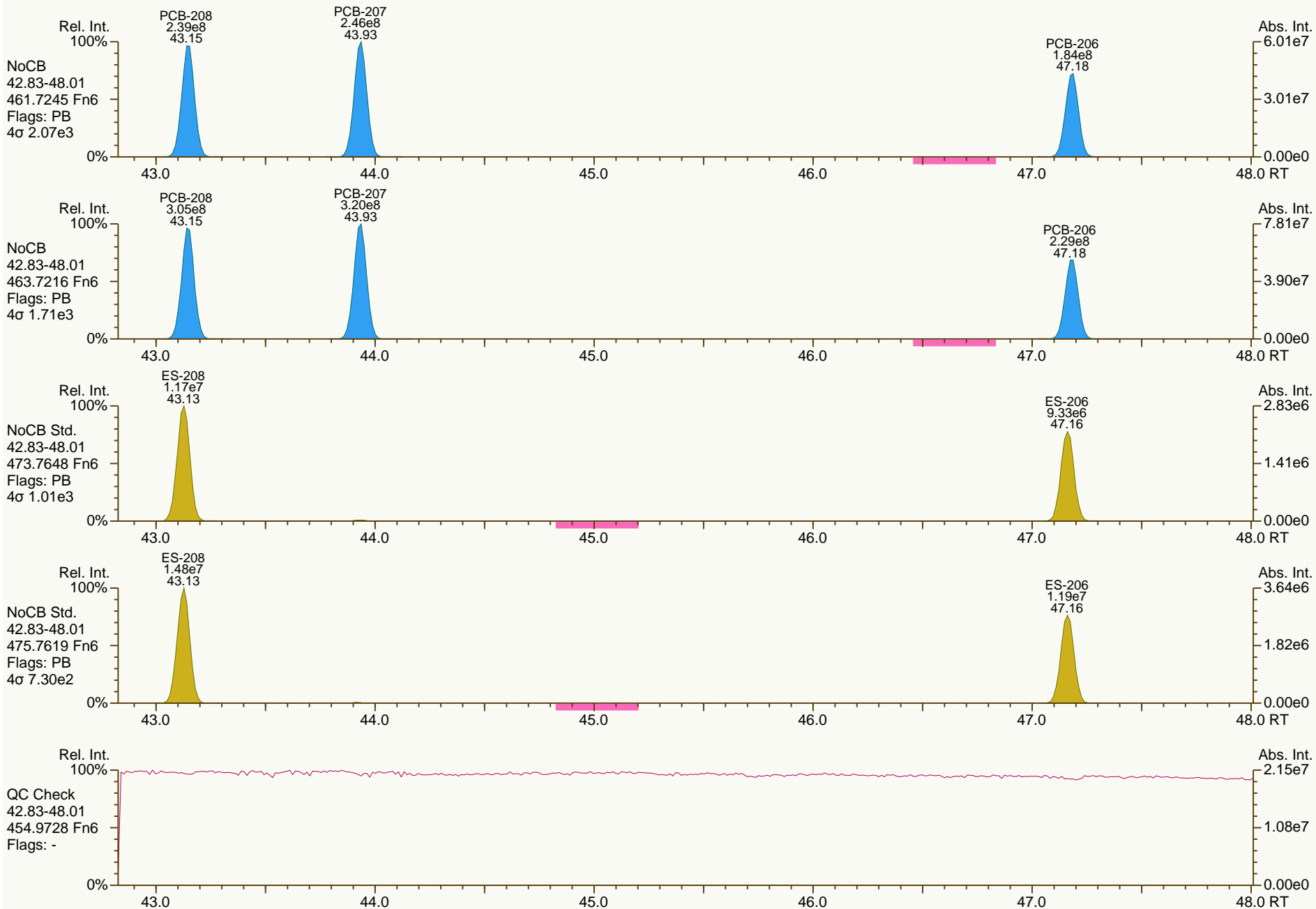
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AP Lab ID: CS5_120126_PCB_SA
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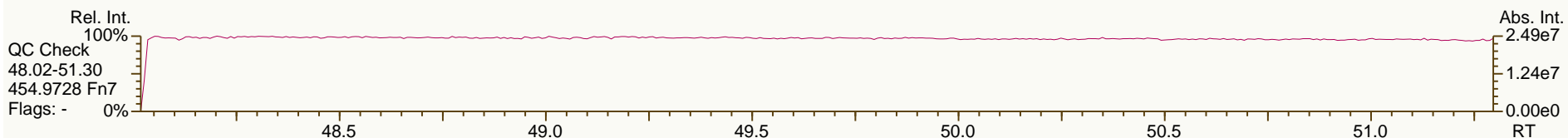
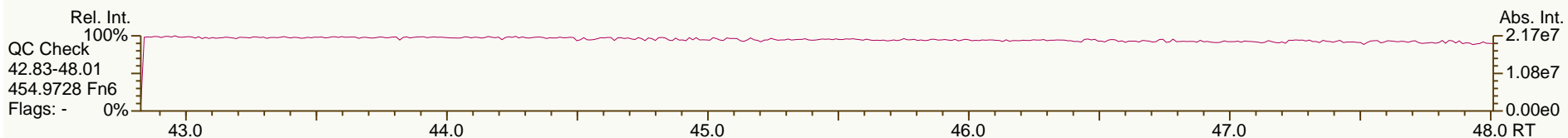
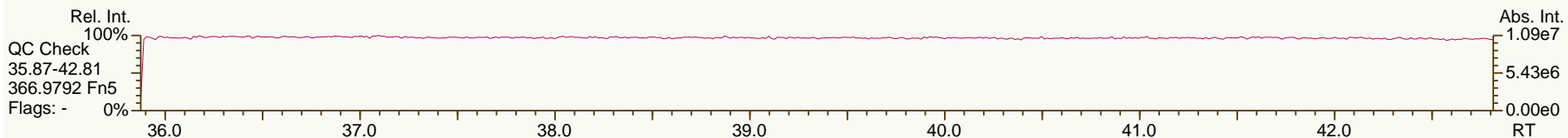
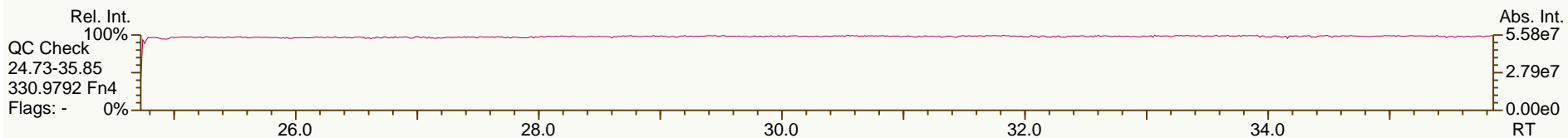
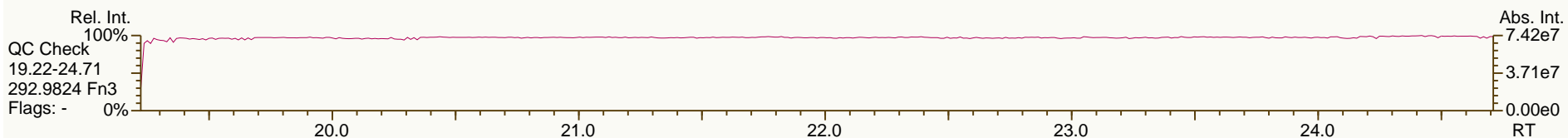
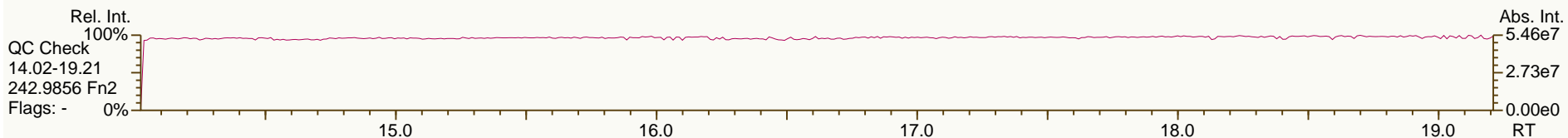
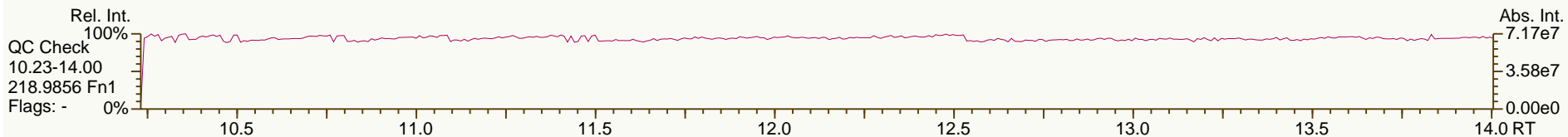
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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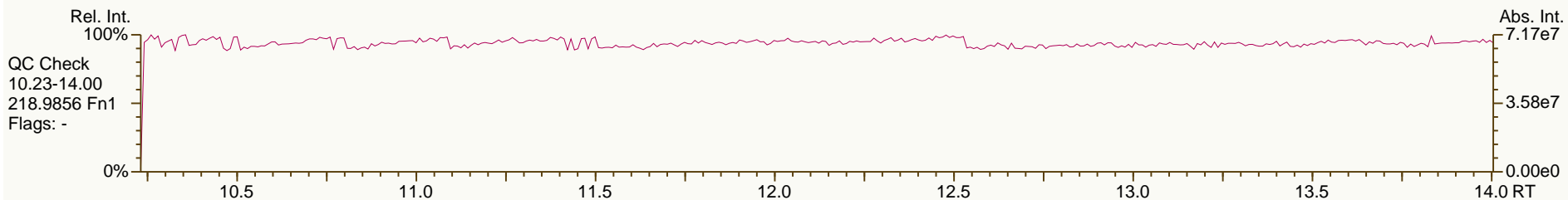
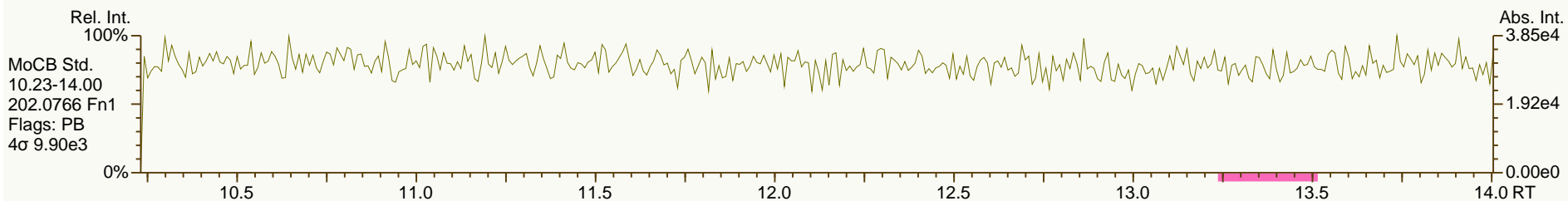
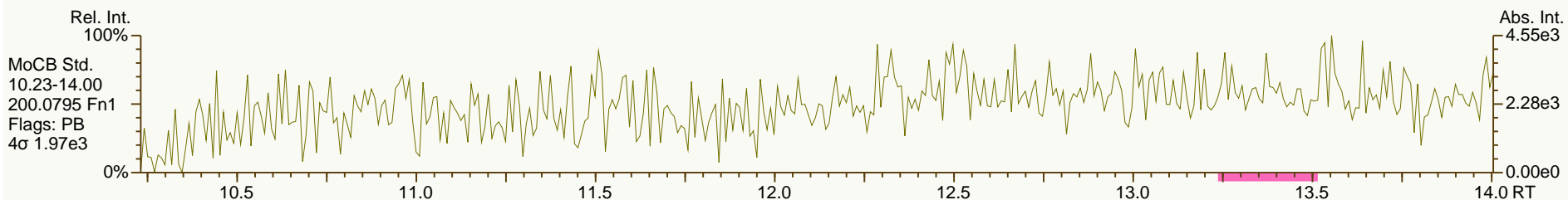
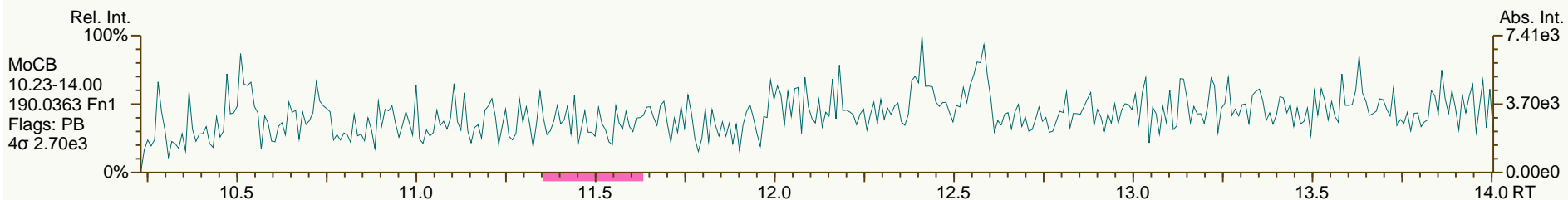
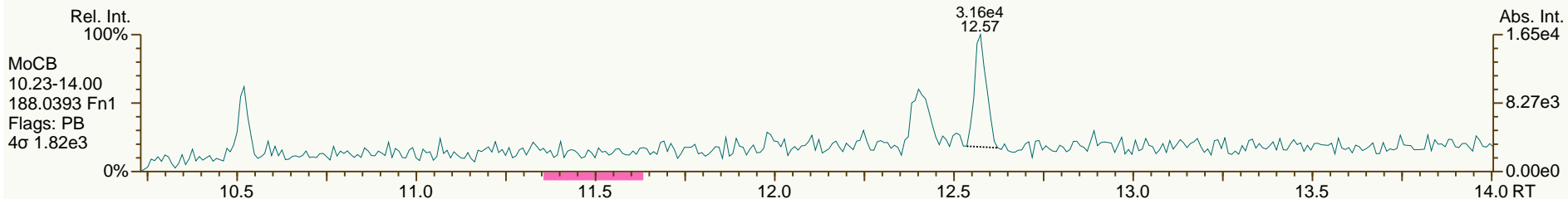
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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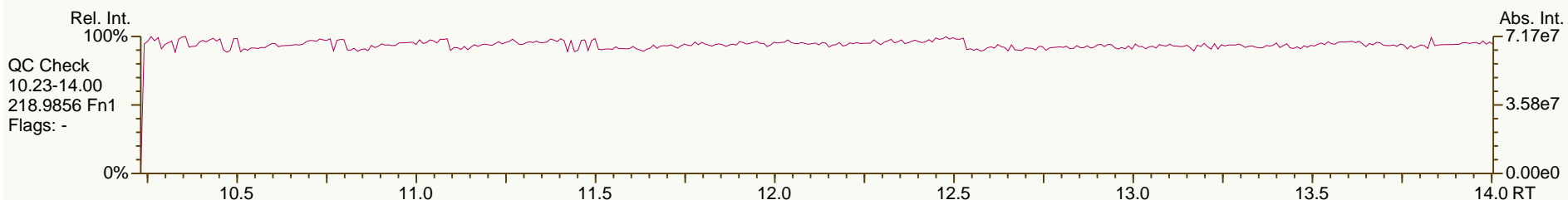
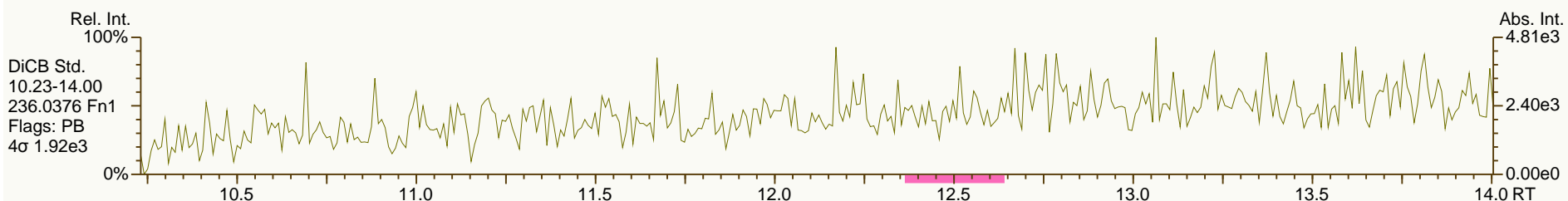
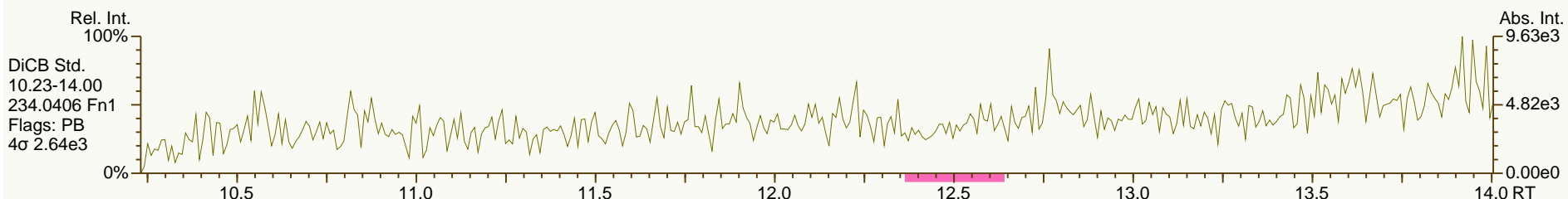
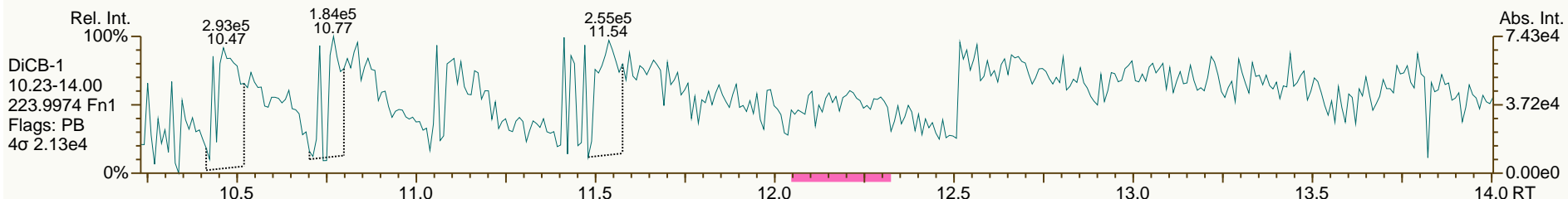
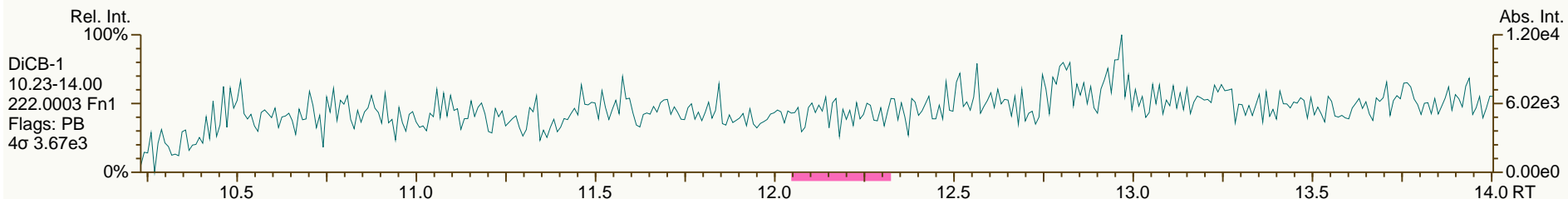
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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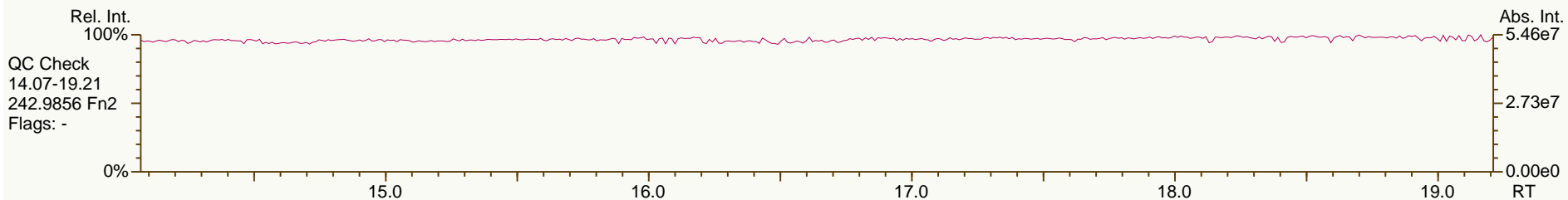
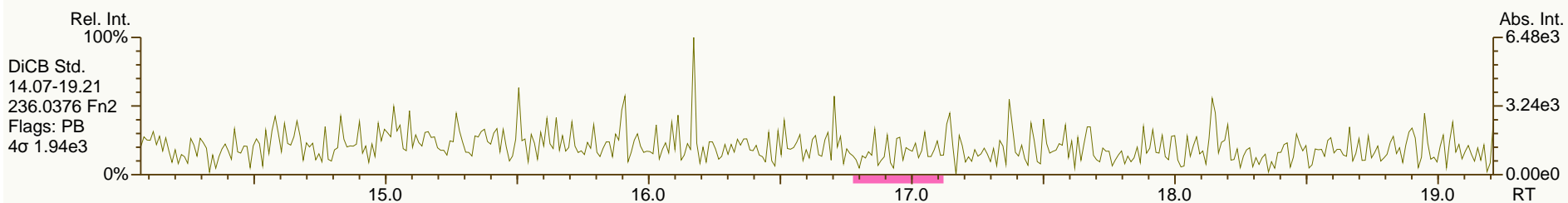
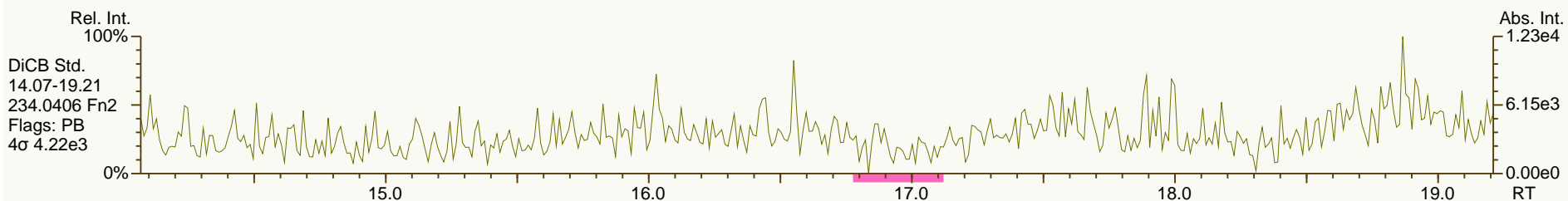
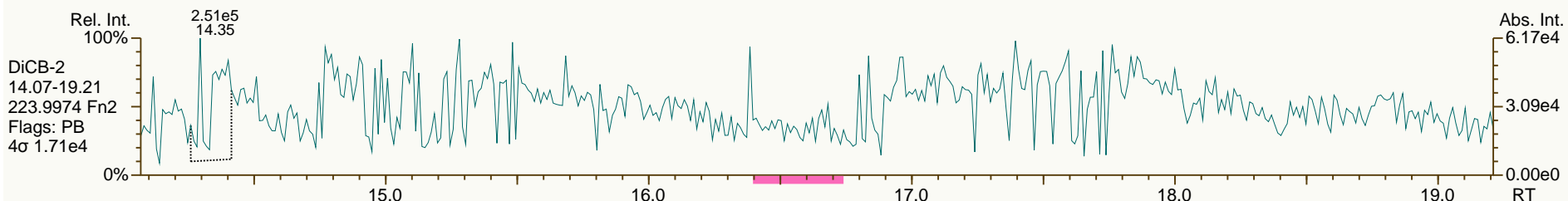
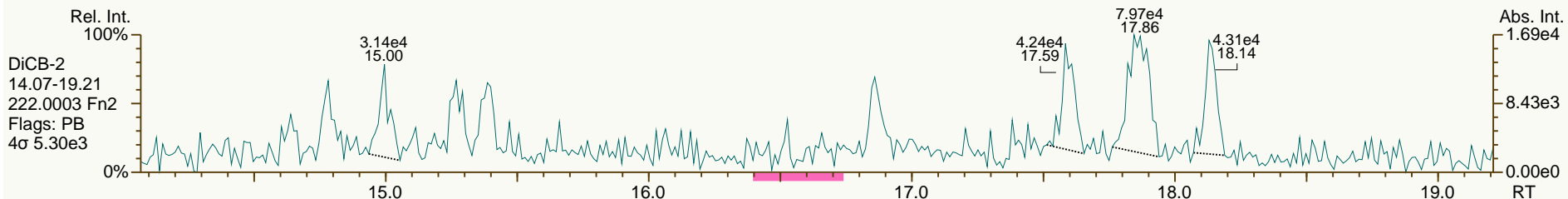
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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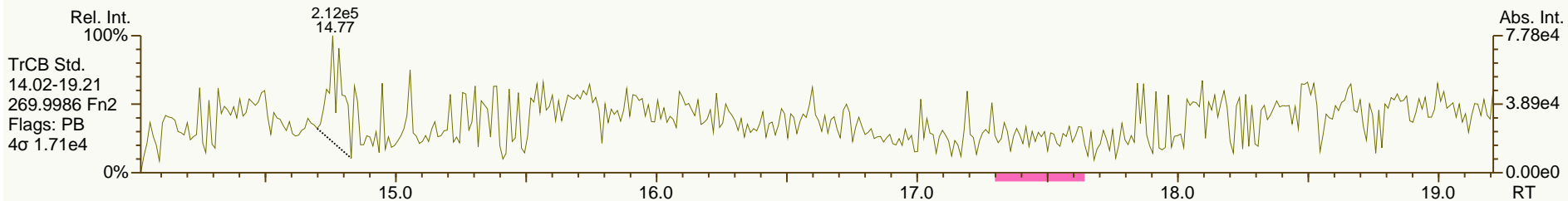
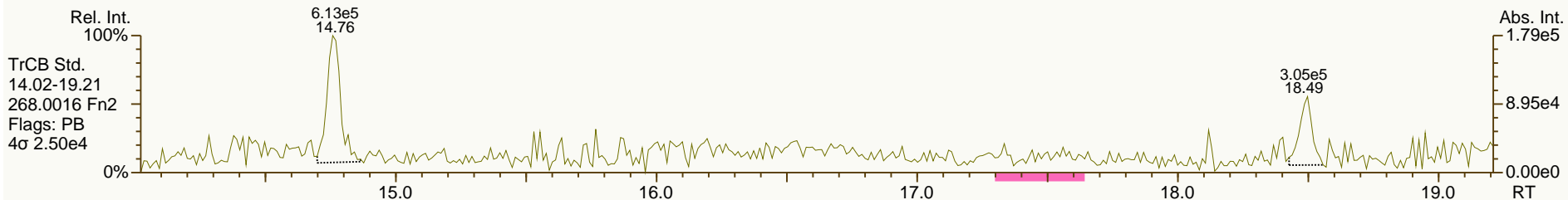
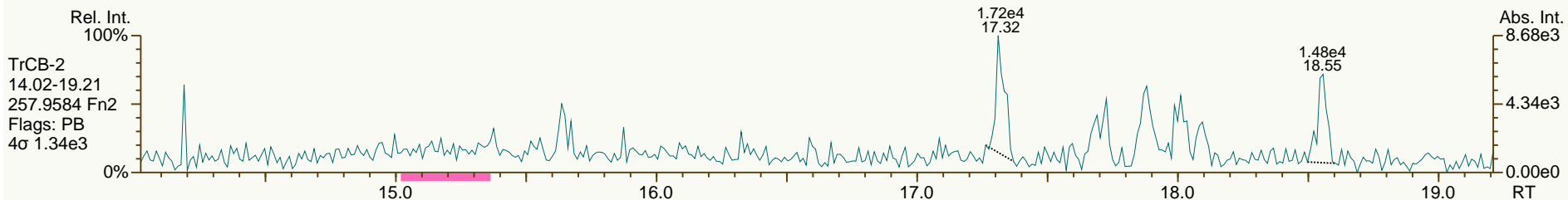
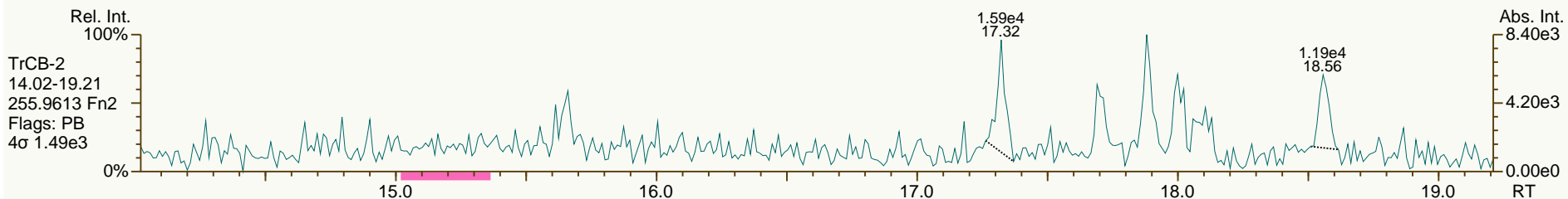
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

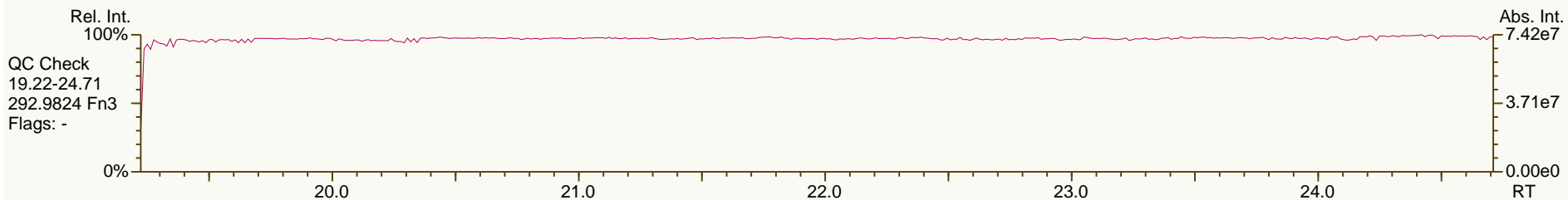
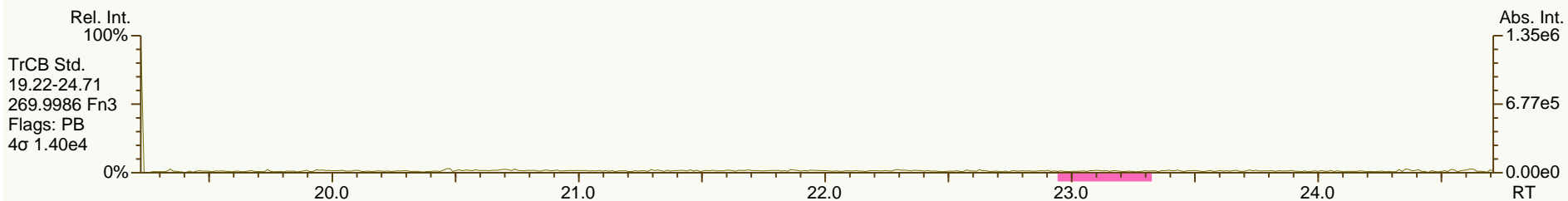
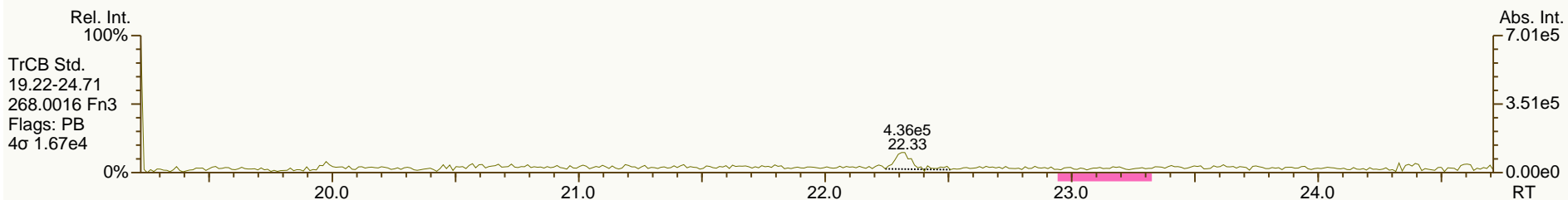
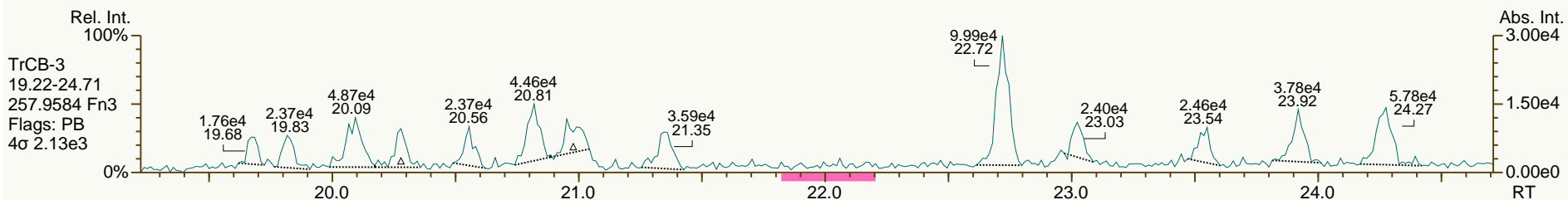
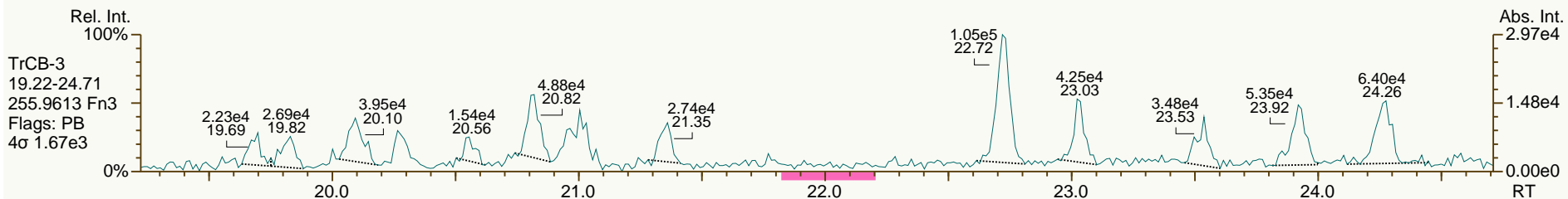
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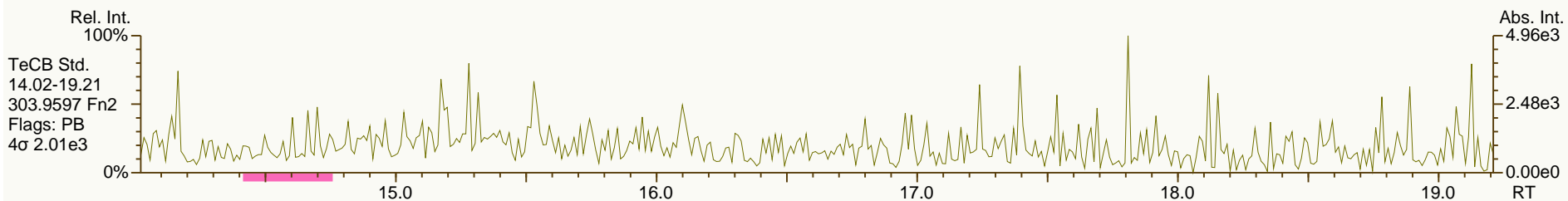
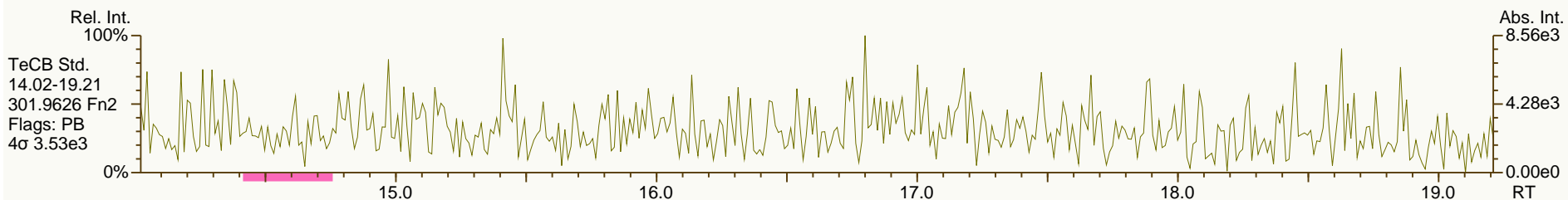
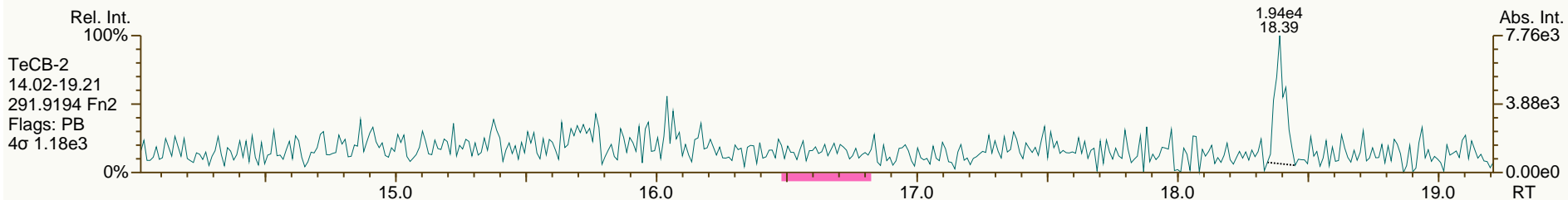
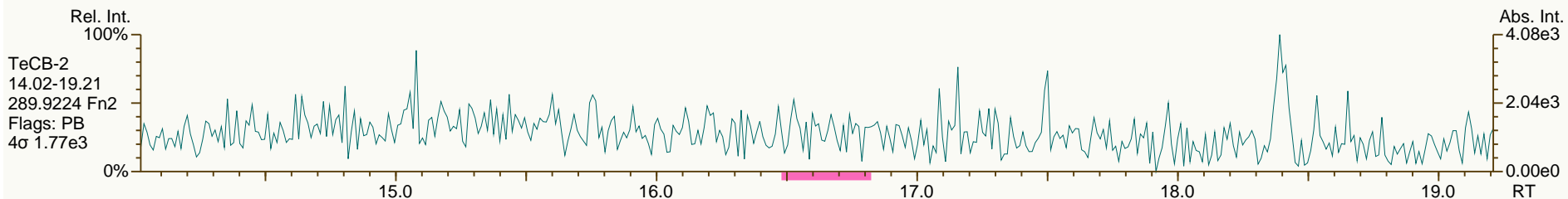
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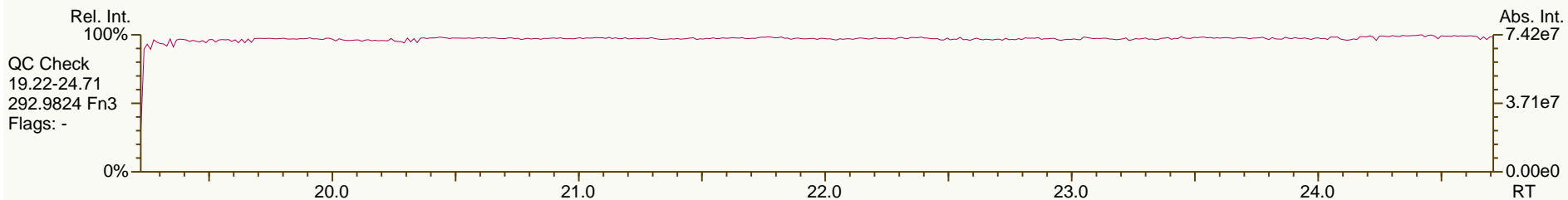
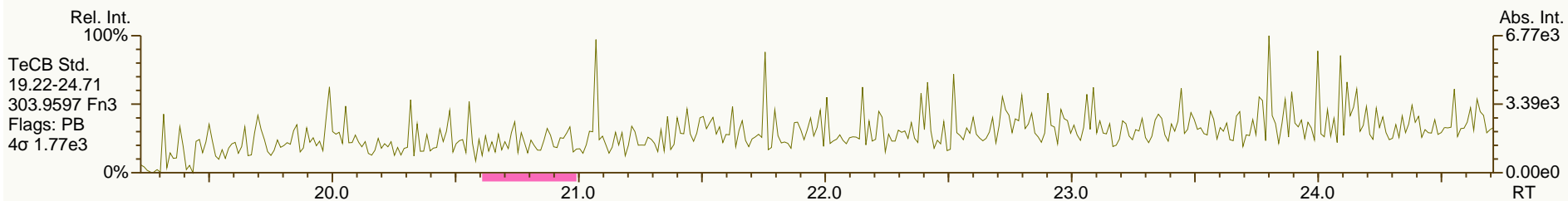
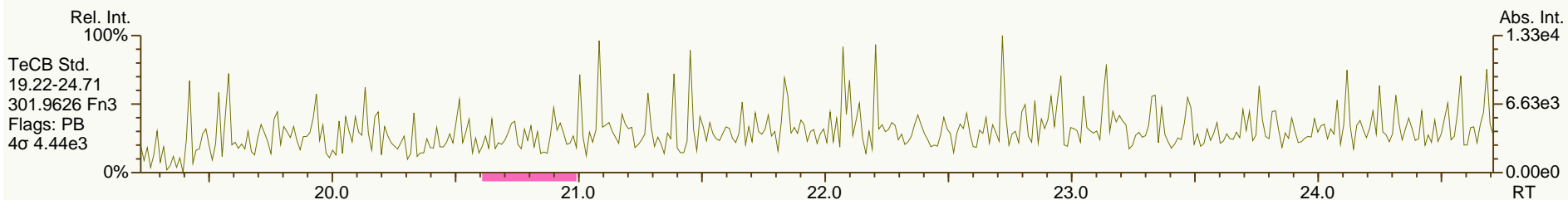
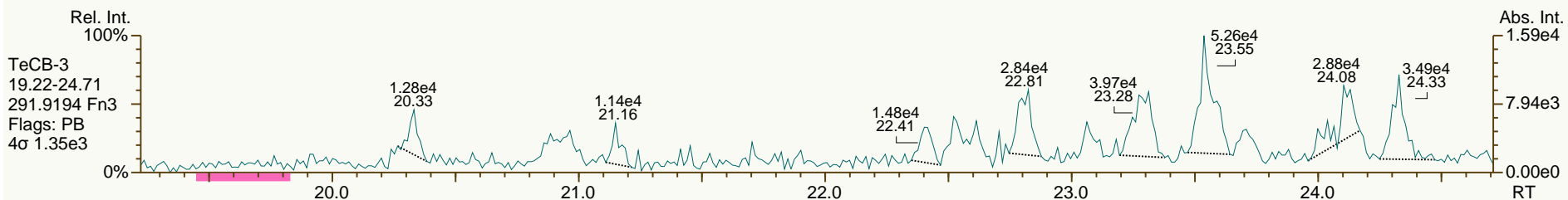
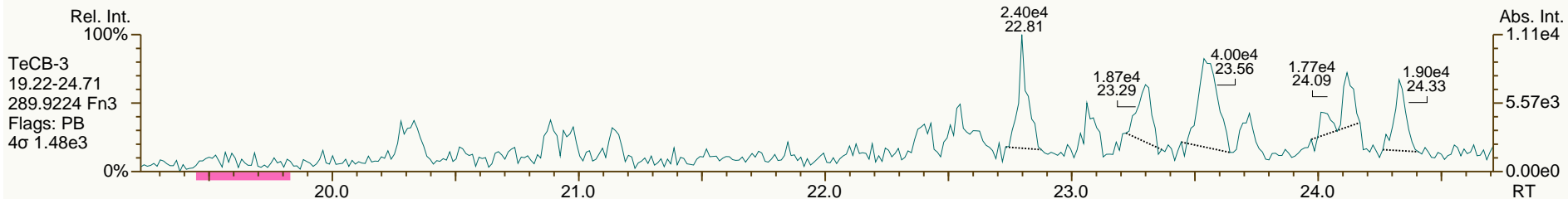
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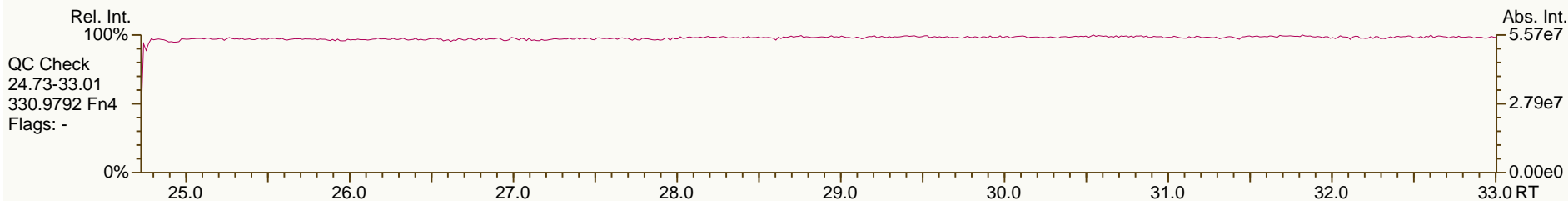
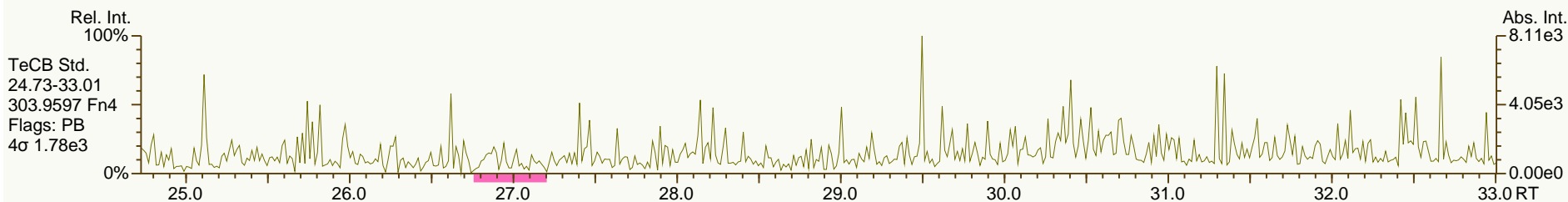
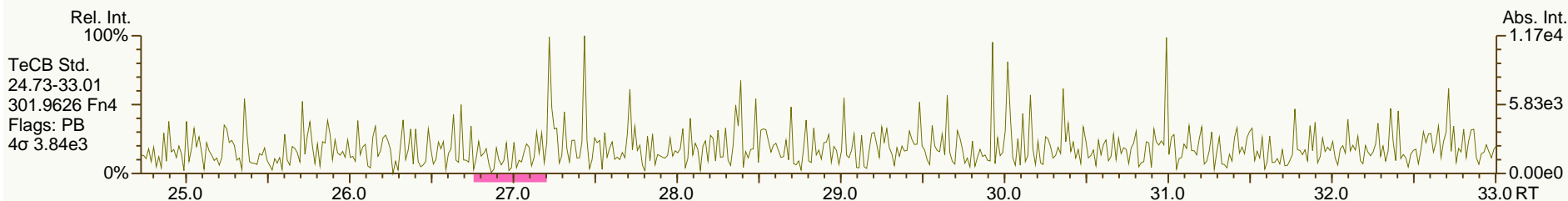
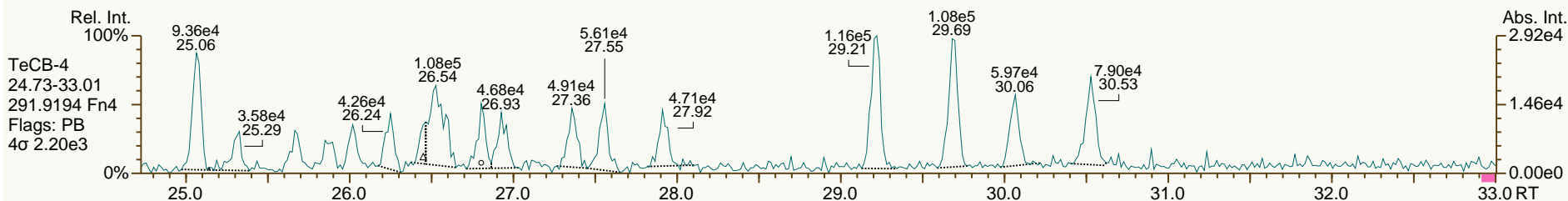
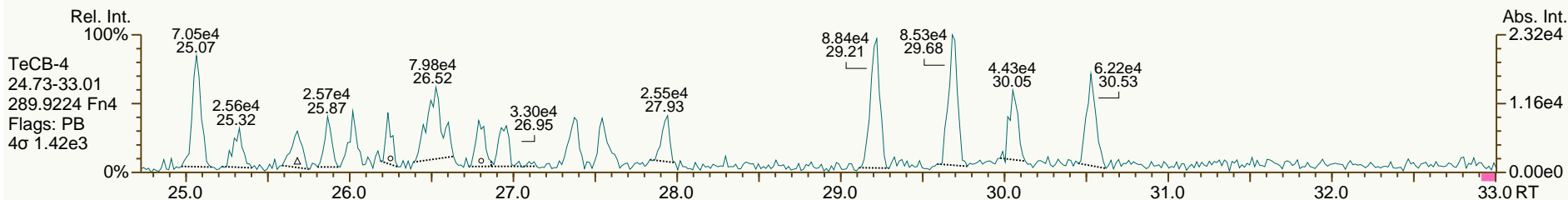
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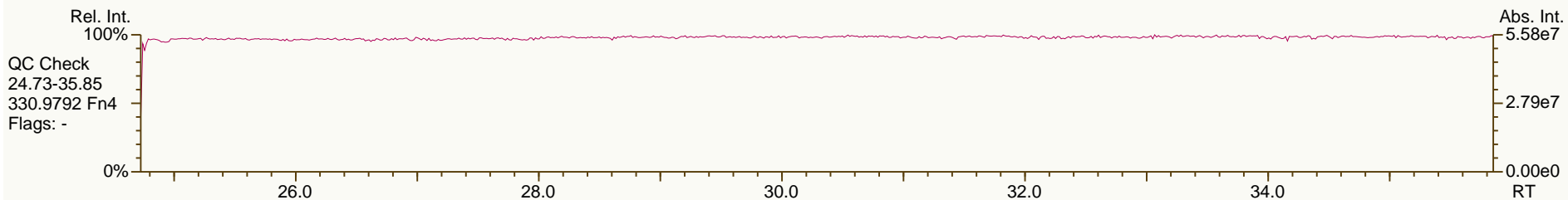
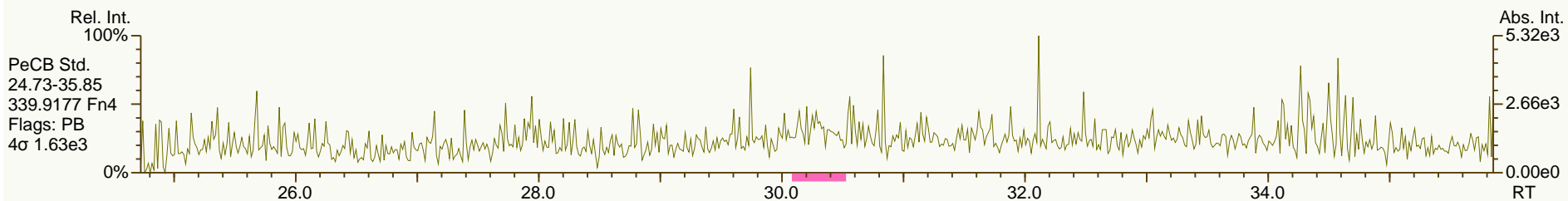
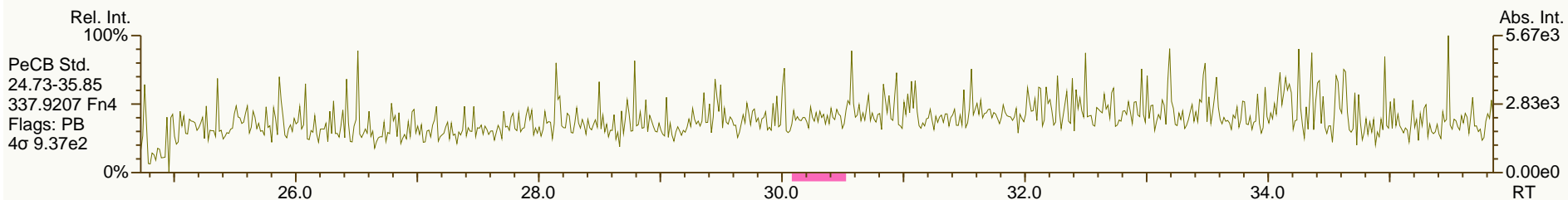
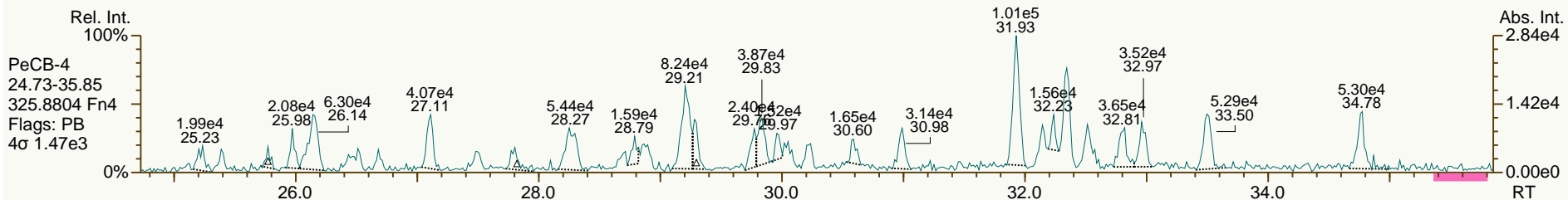
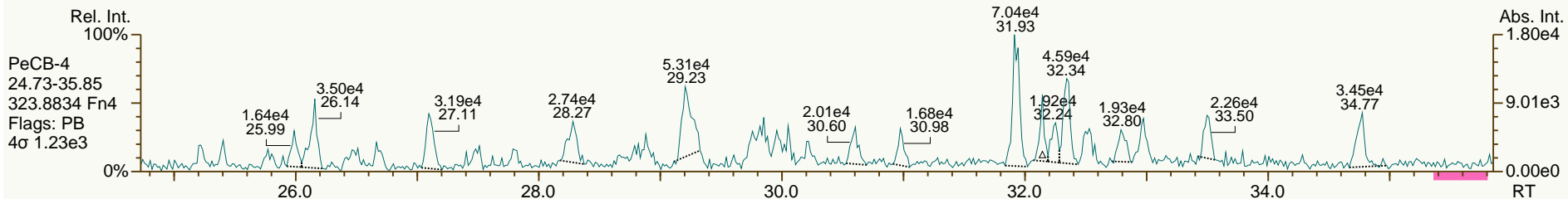
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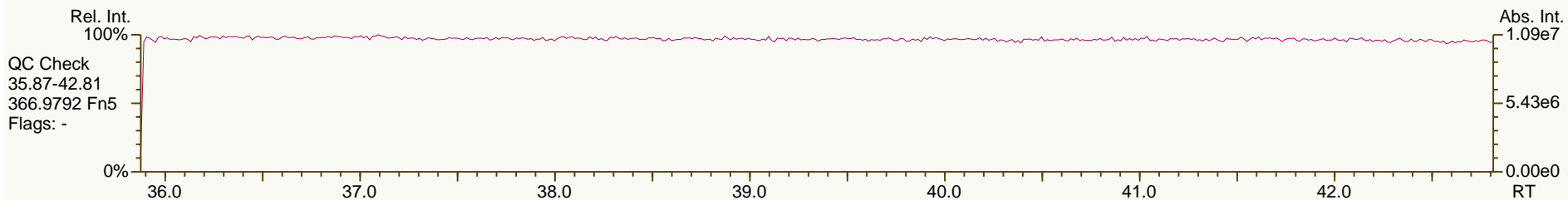
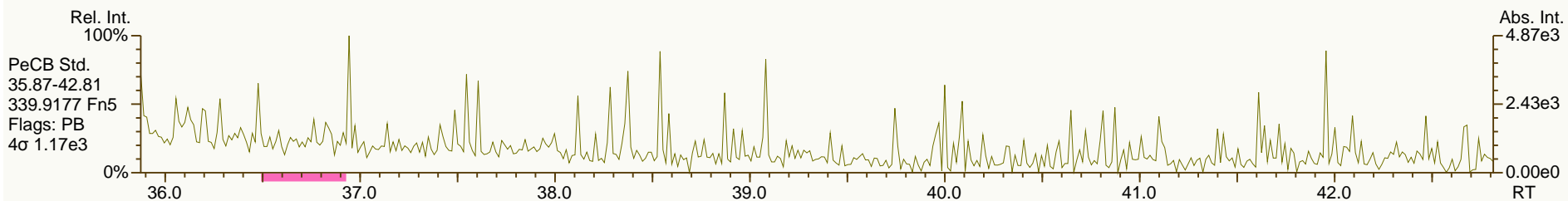
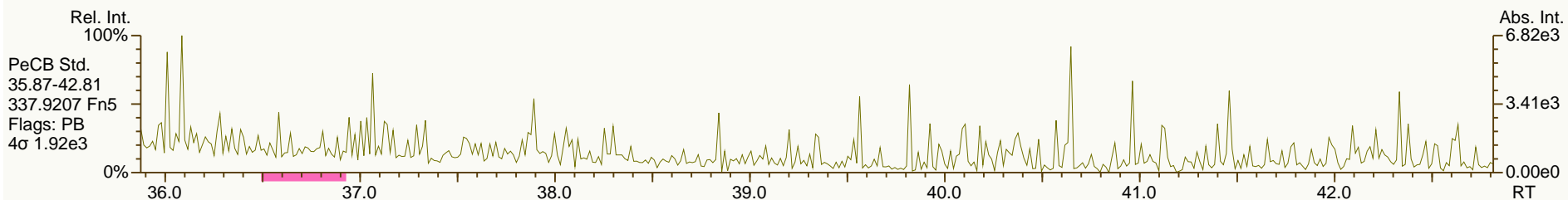
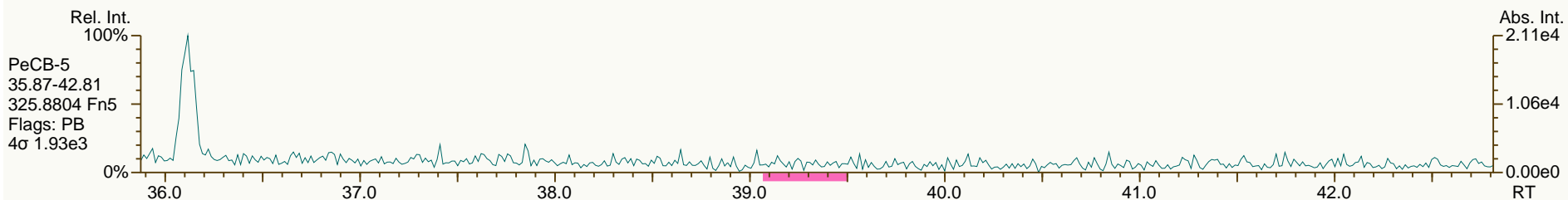
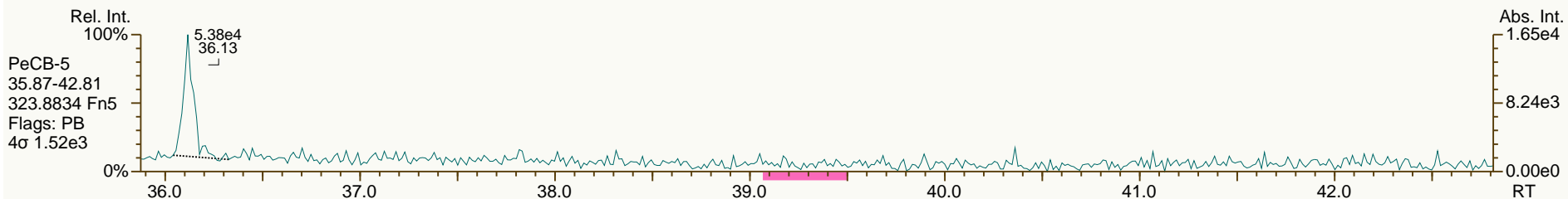
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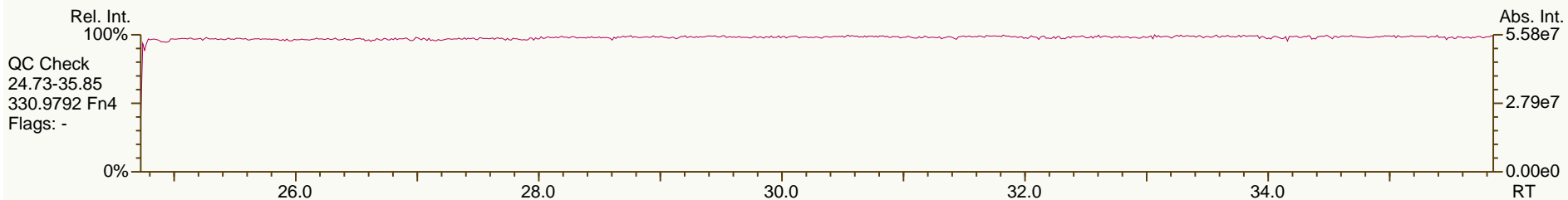
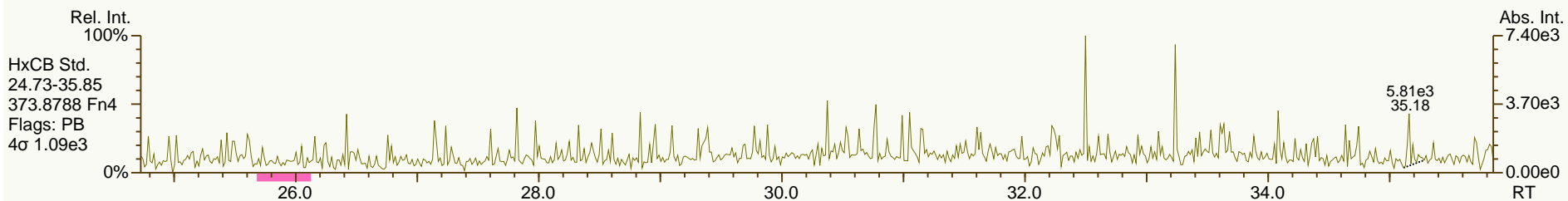
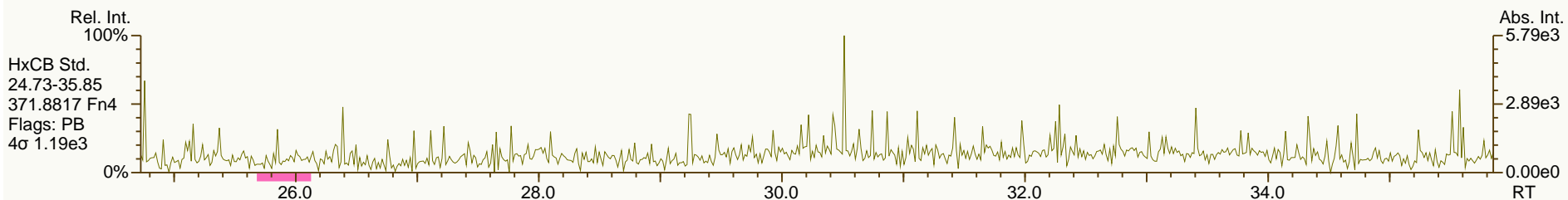
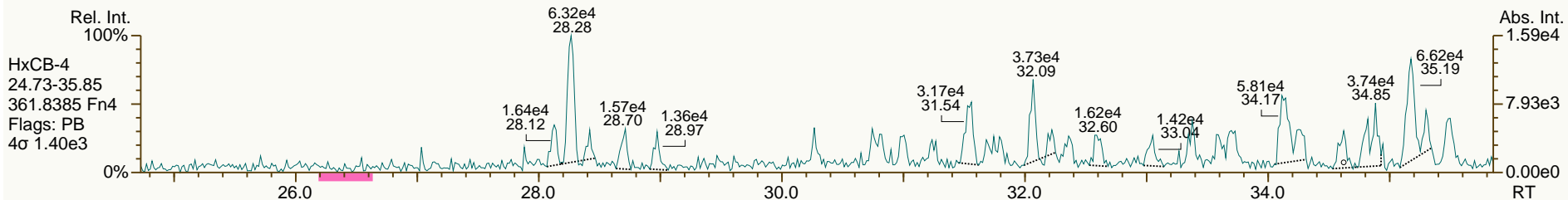
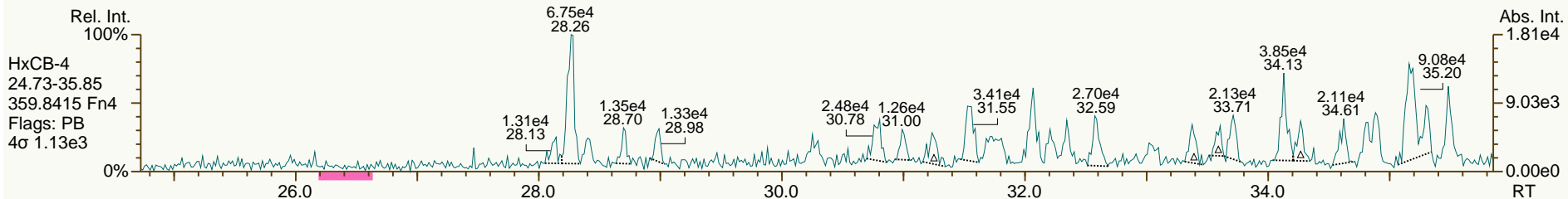
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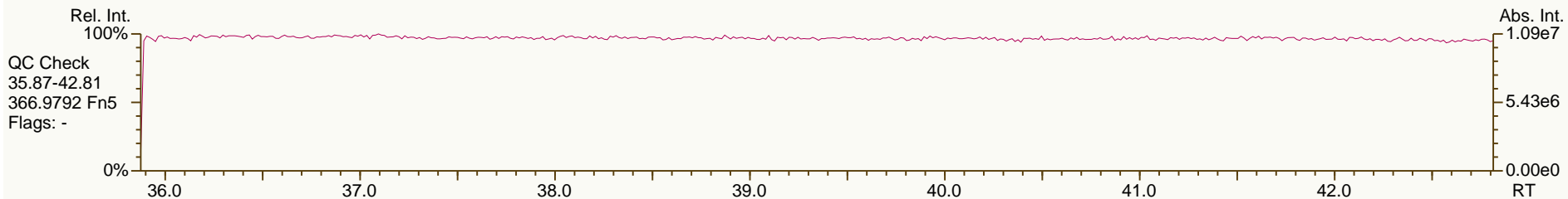
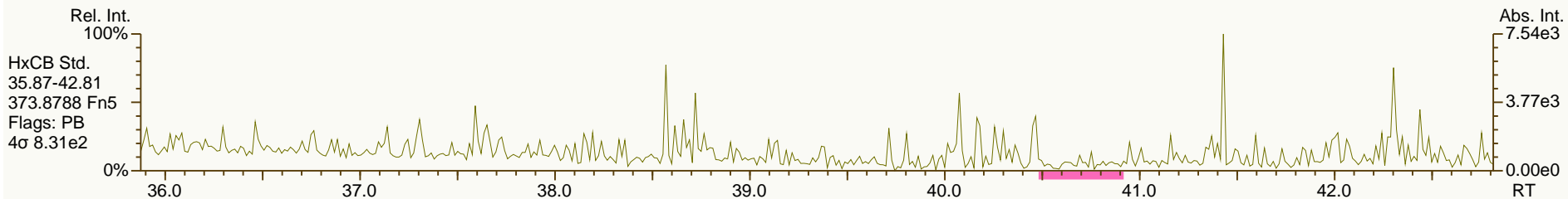
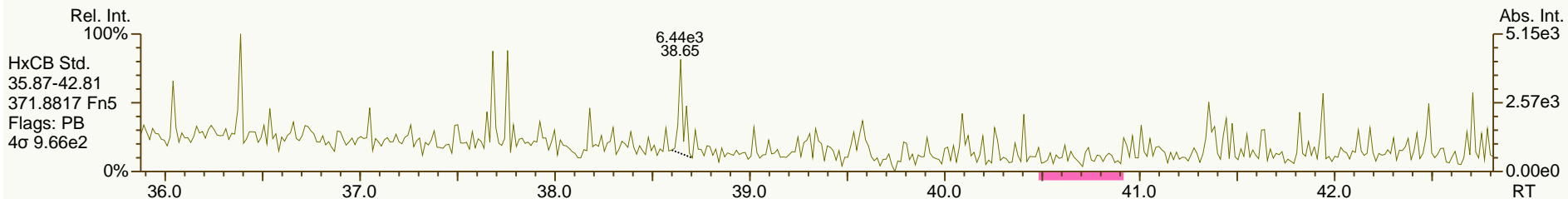
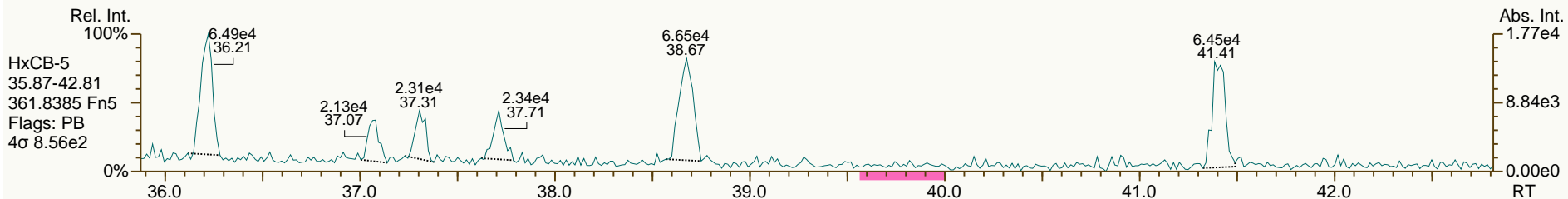
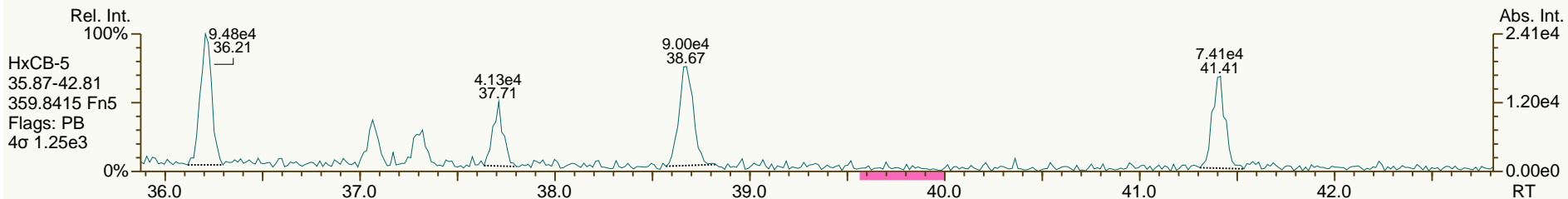
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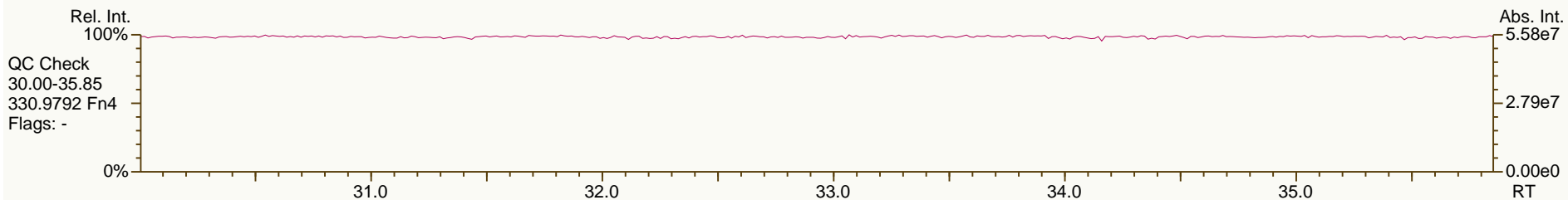
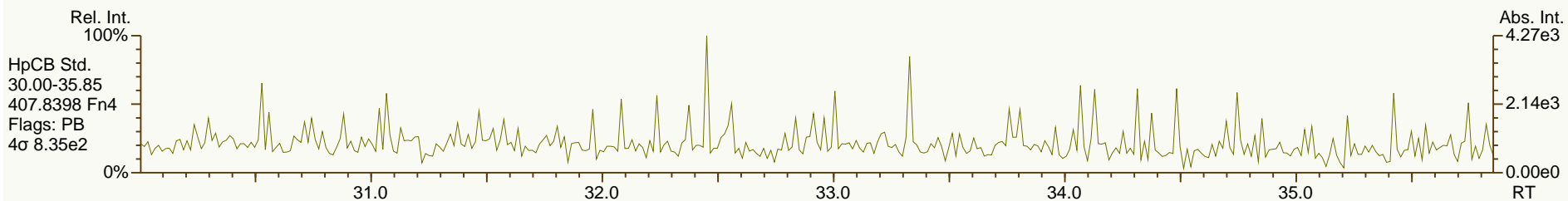
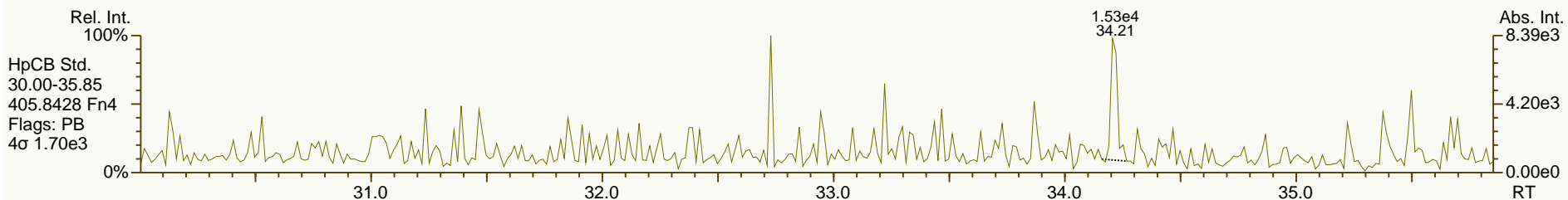
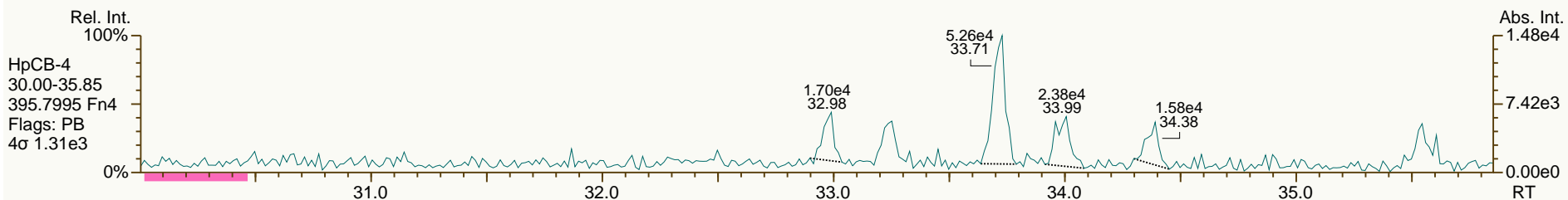
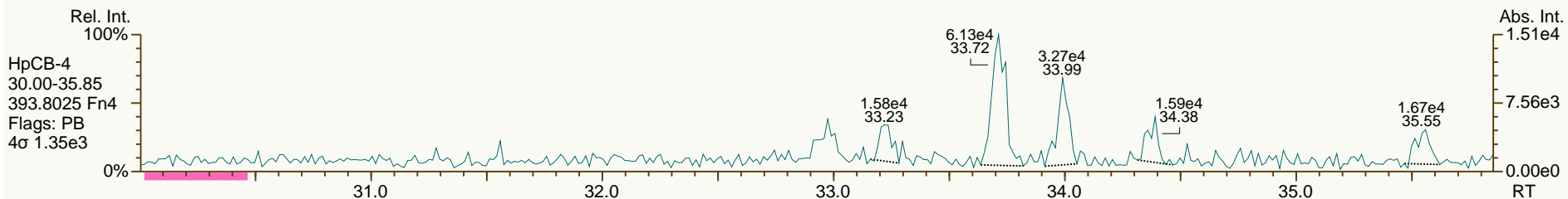
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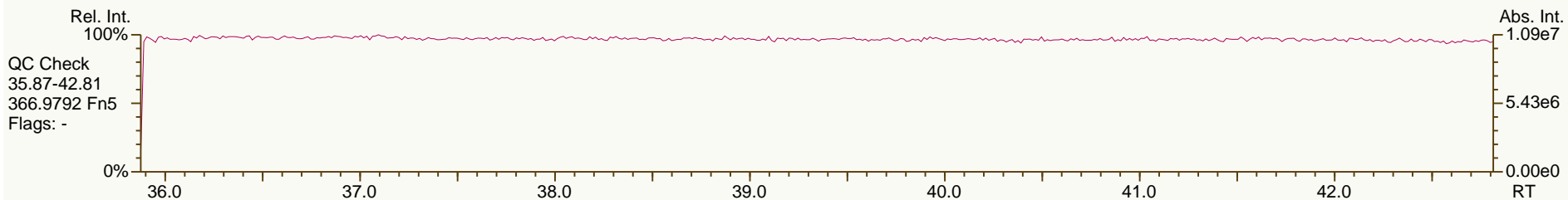
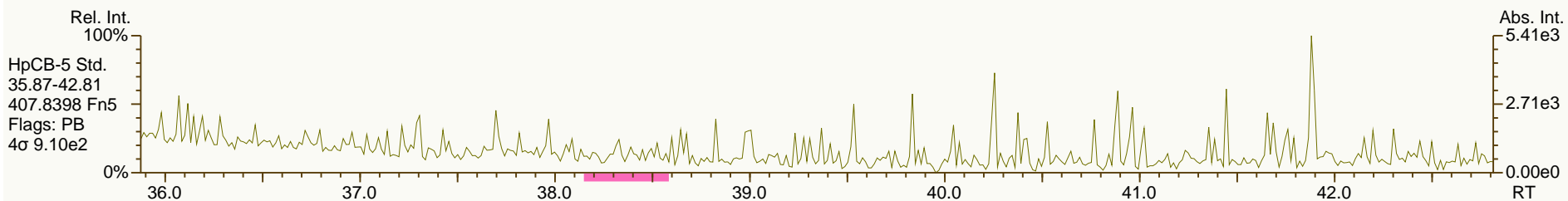
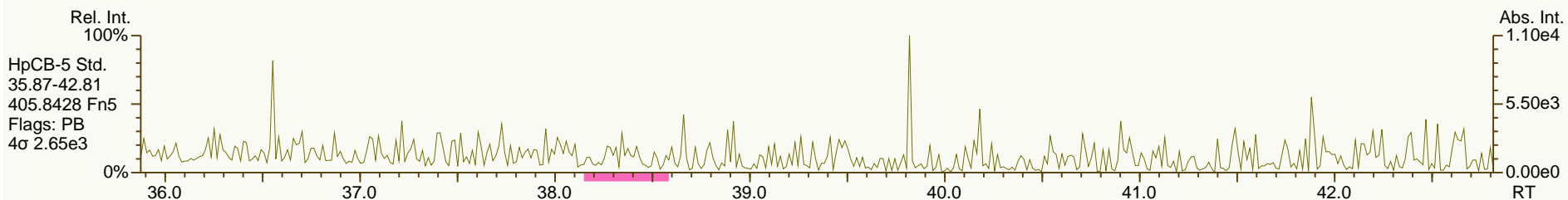
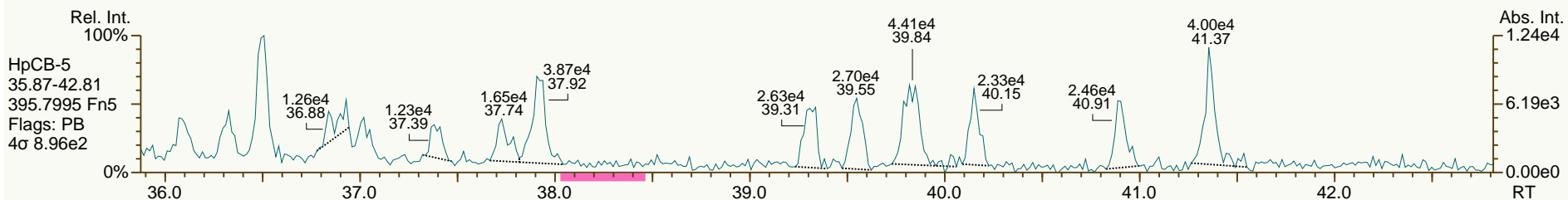
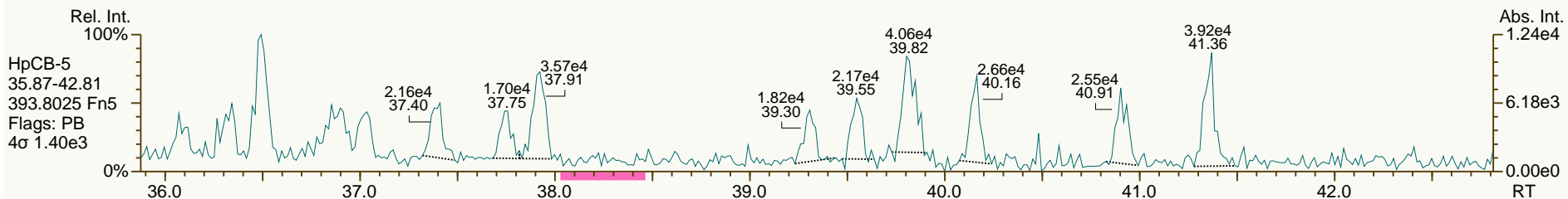
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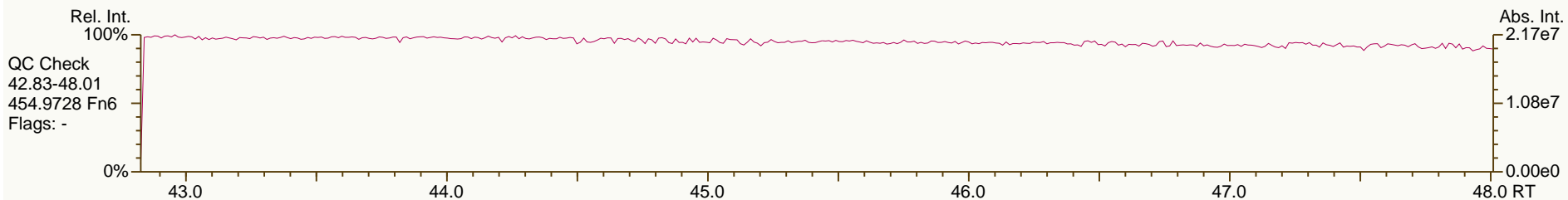
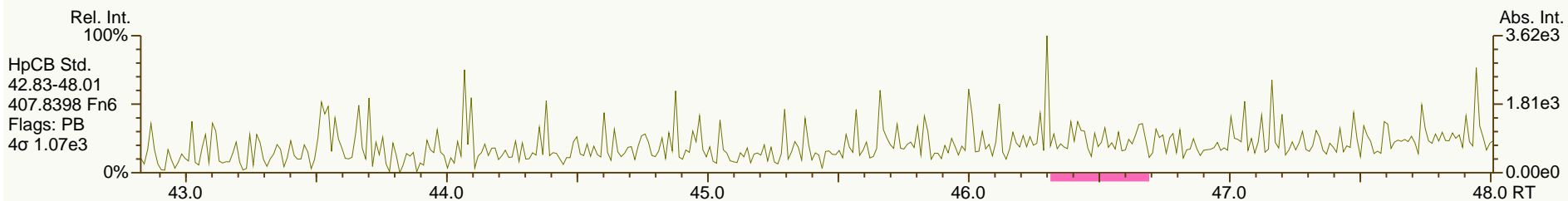
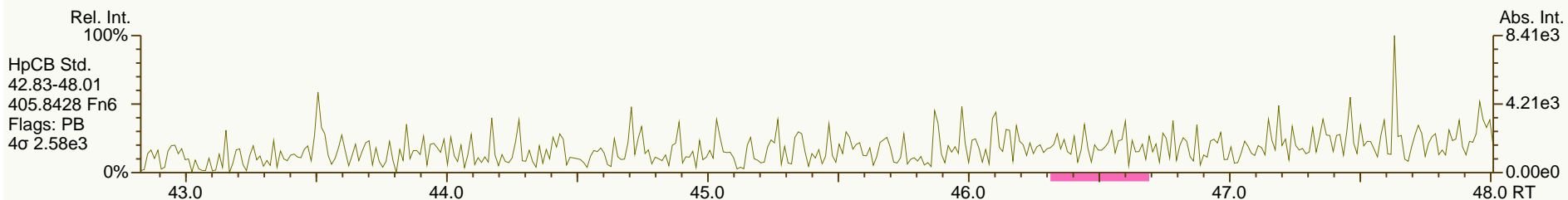
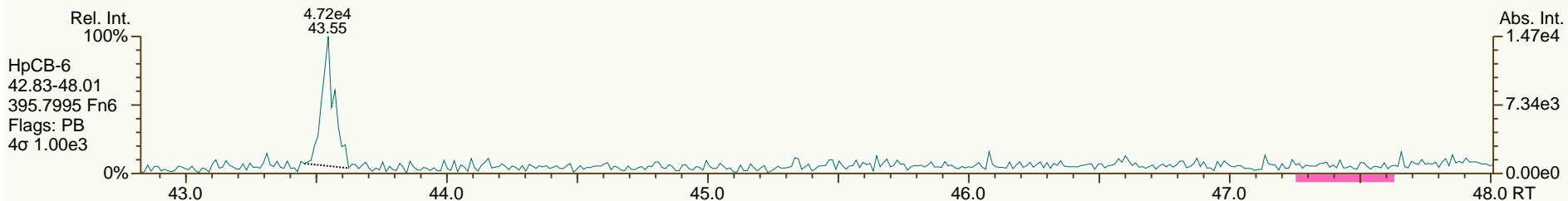
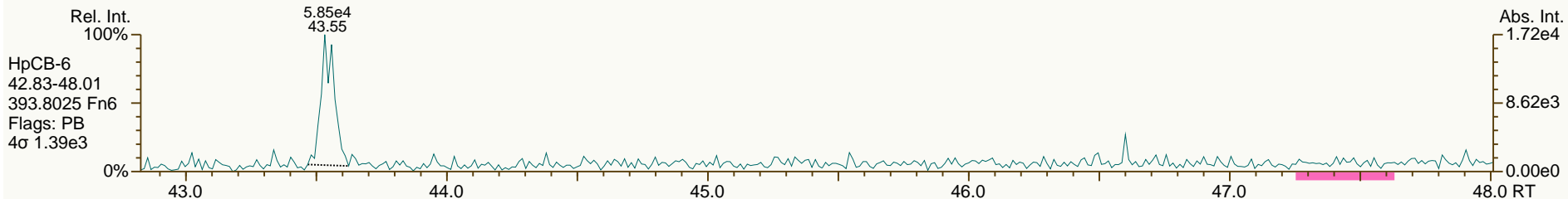
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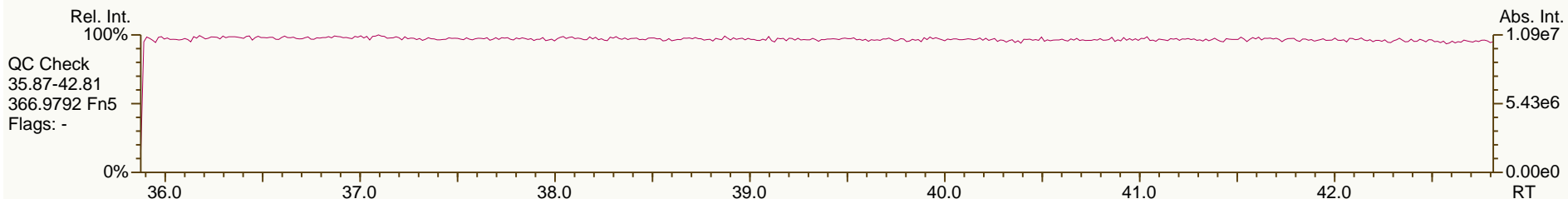
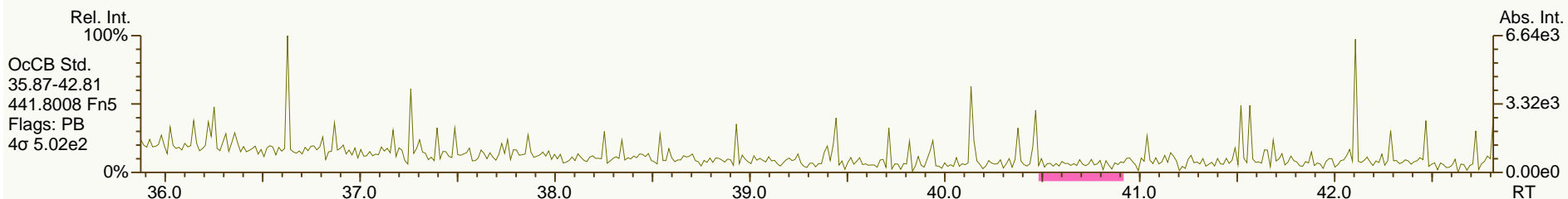
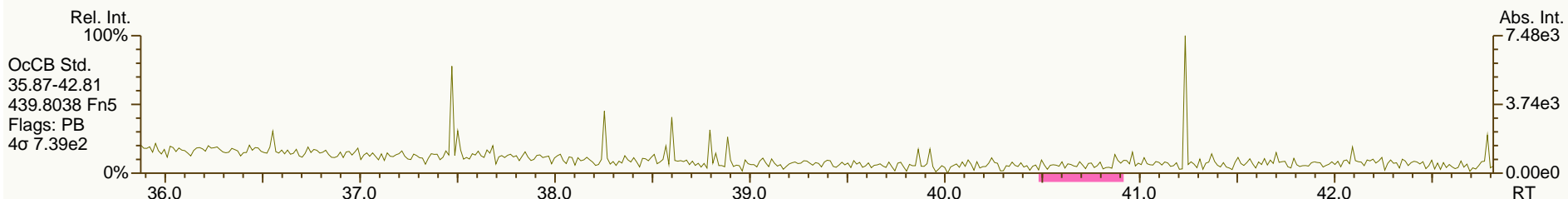
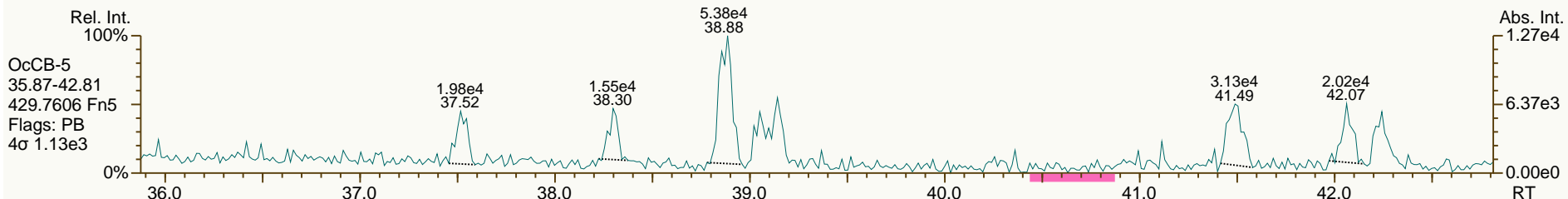
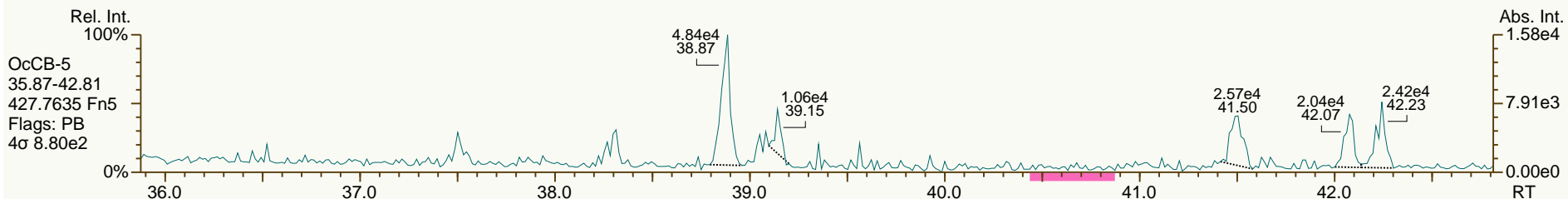
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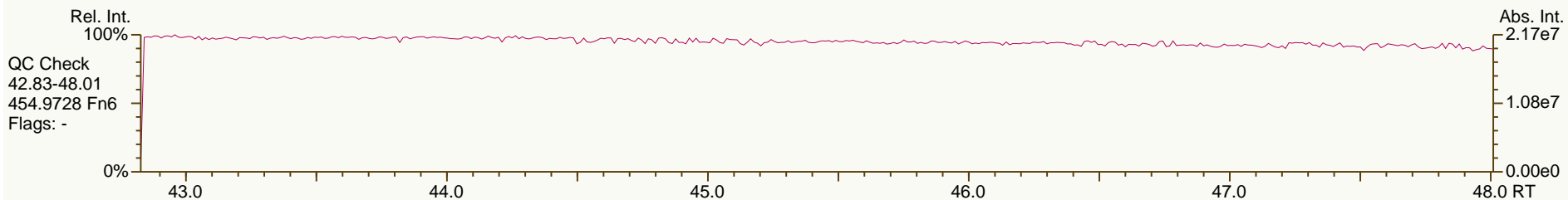
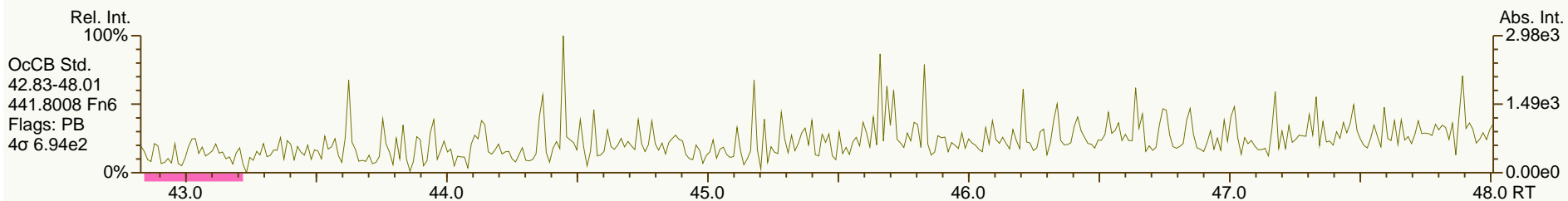
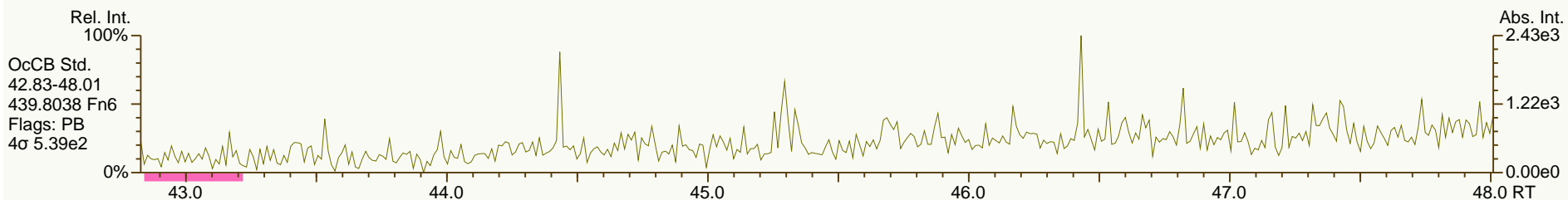
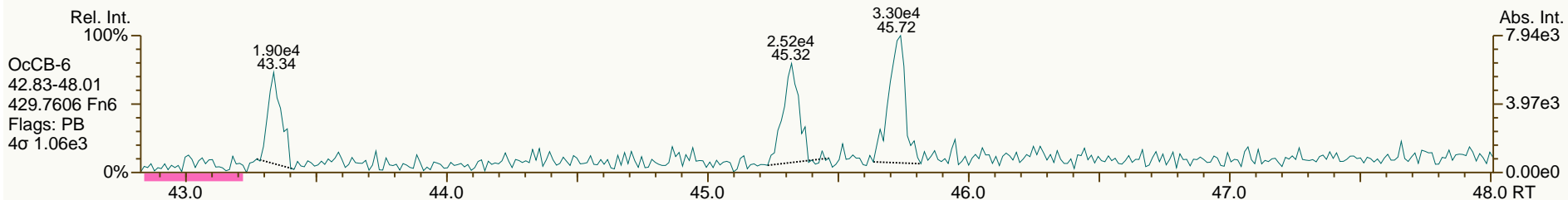
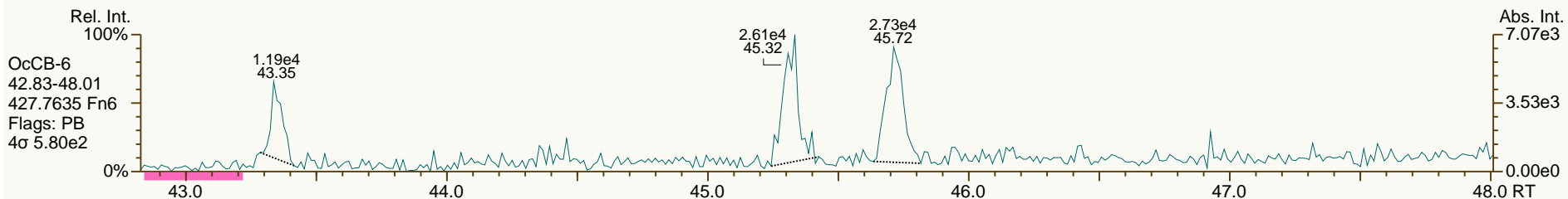
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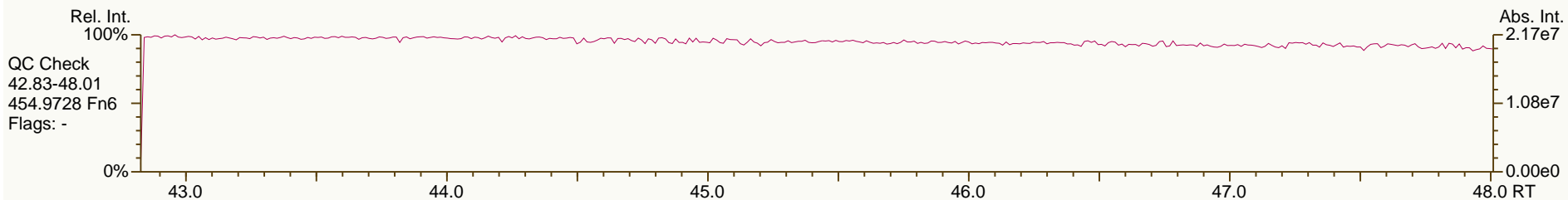
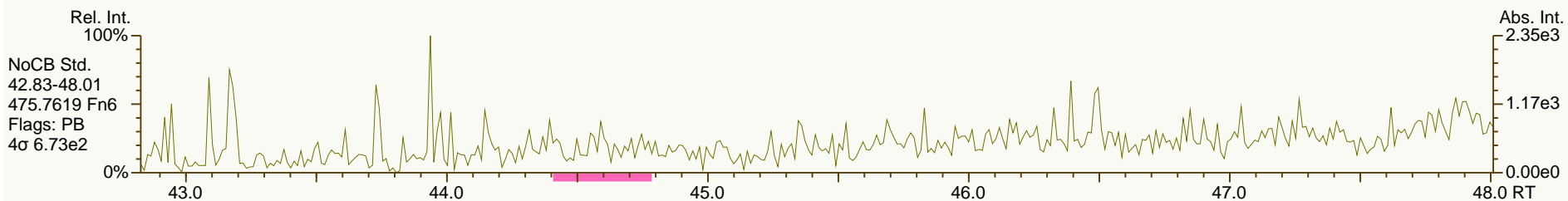
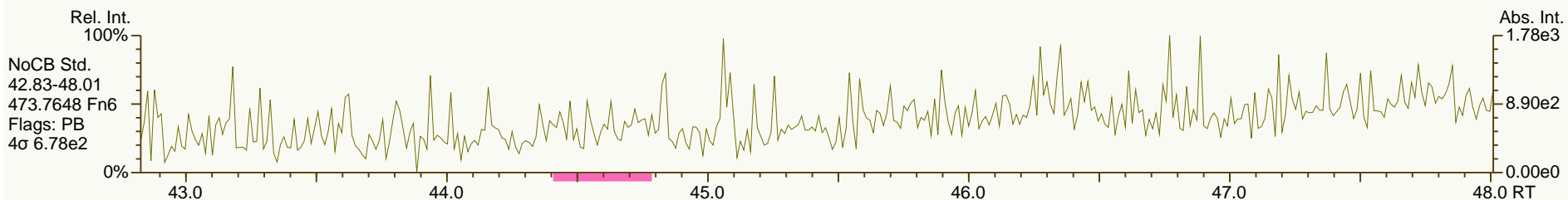
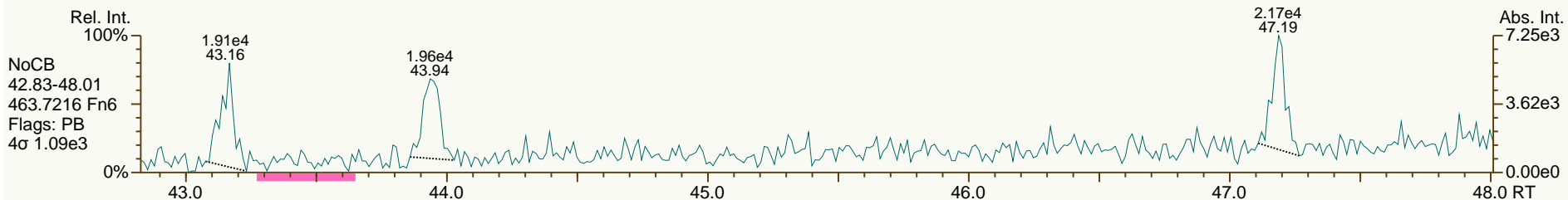
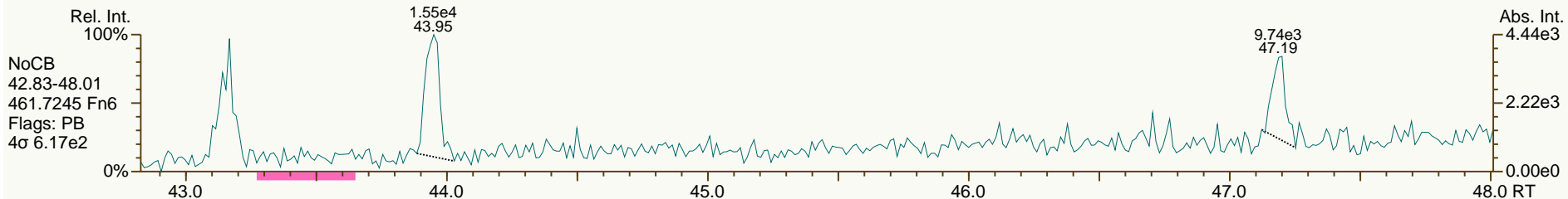
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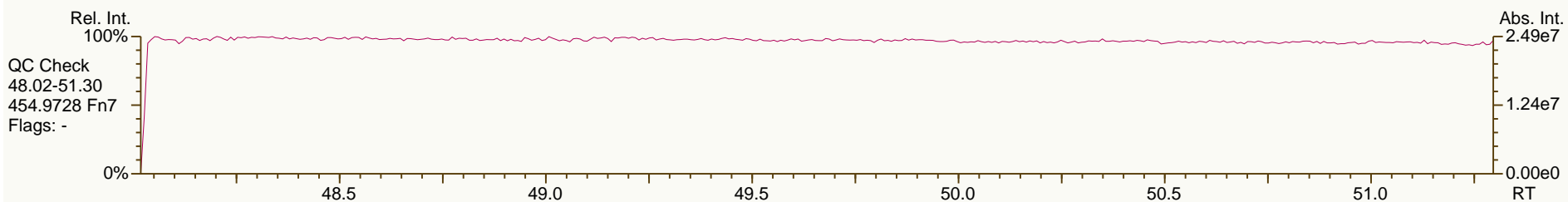
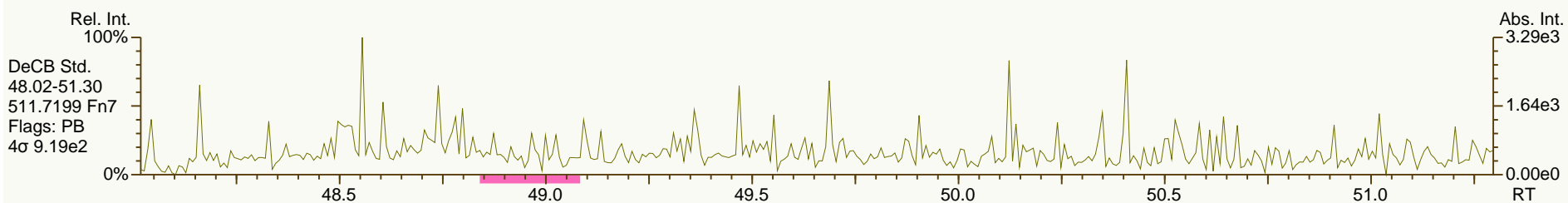
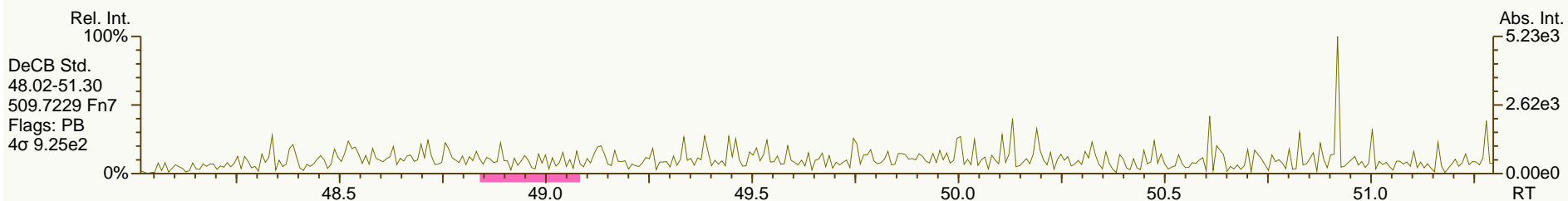
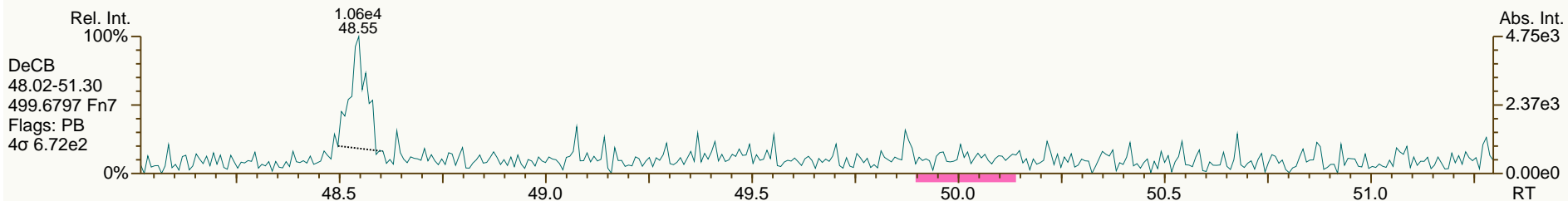
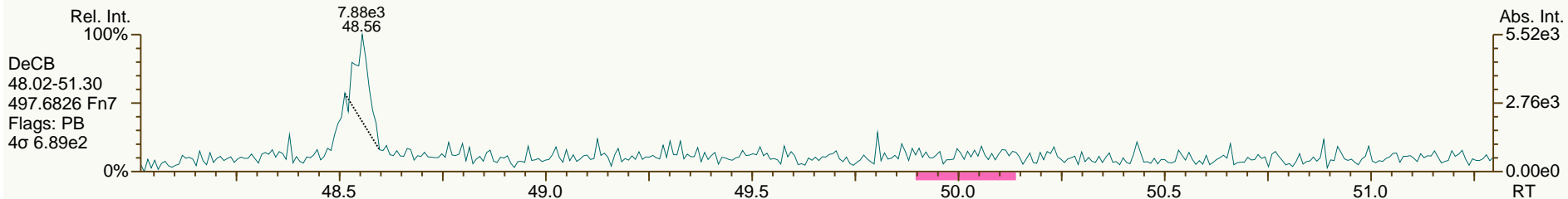
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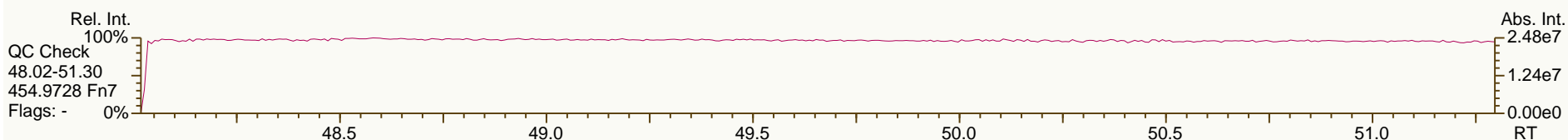
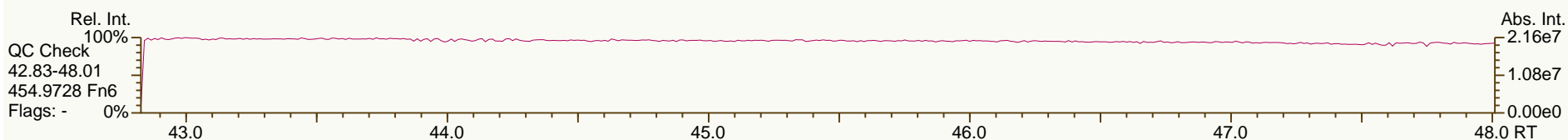
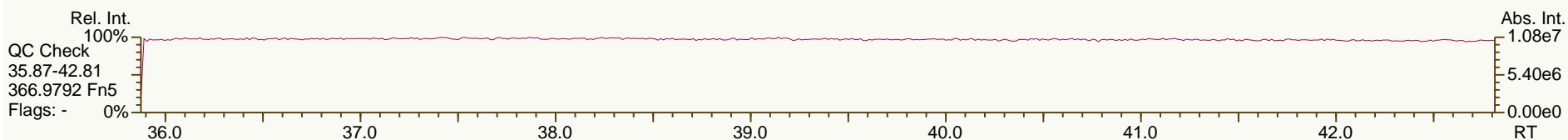
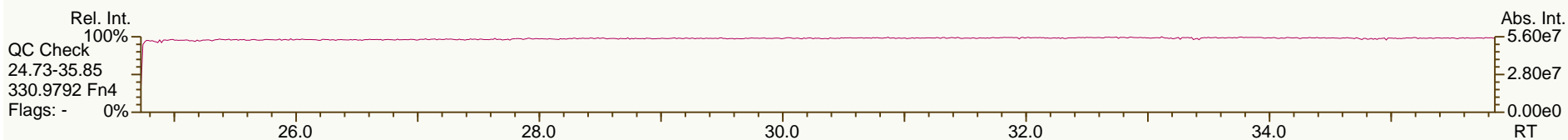
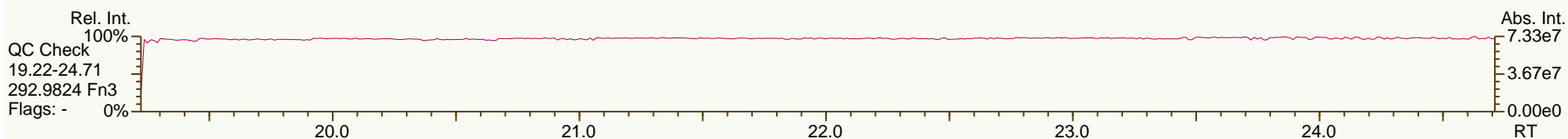
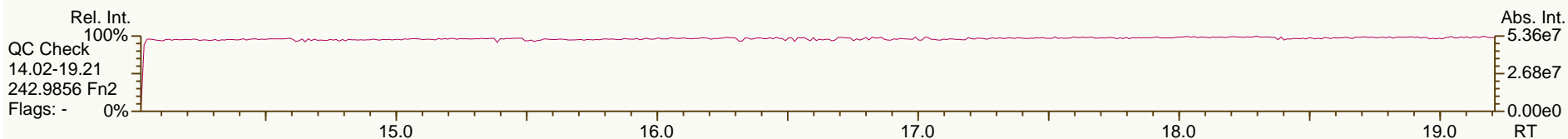
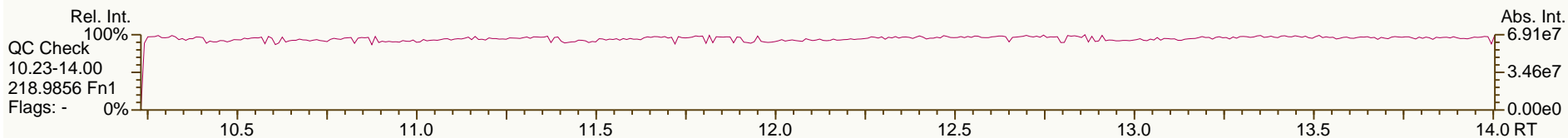
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AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

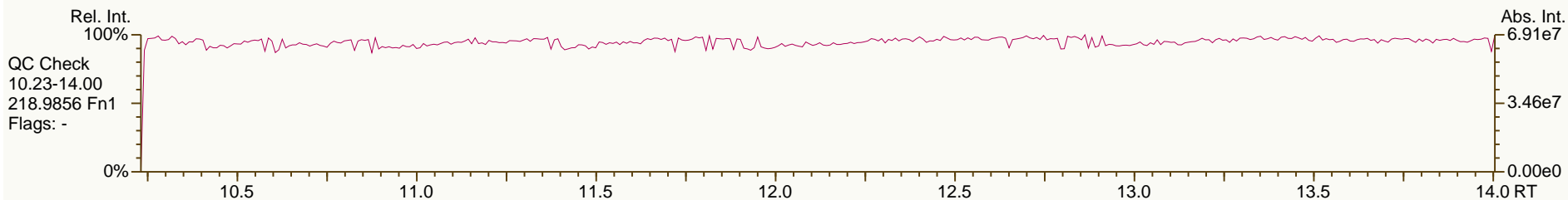
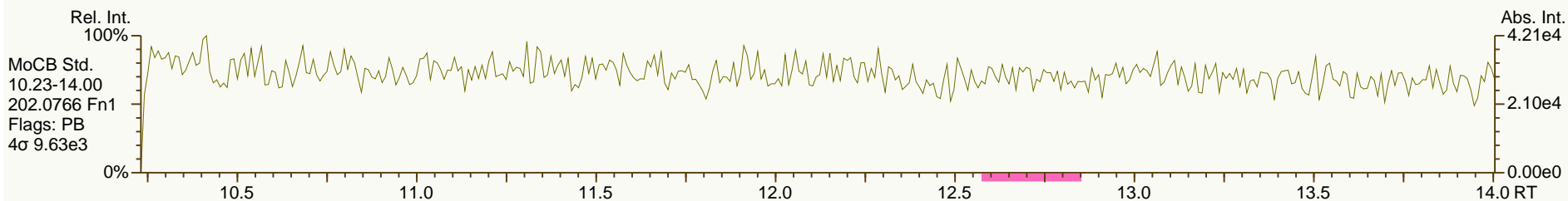
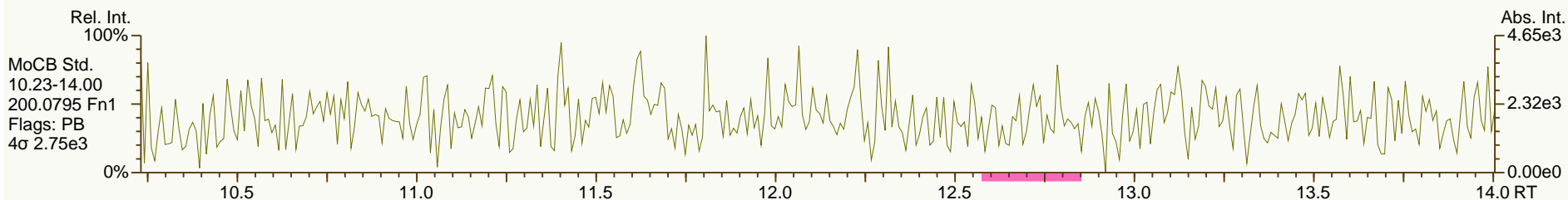
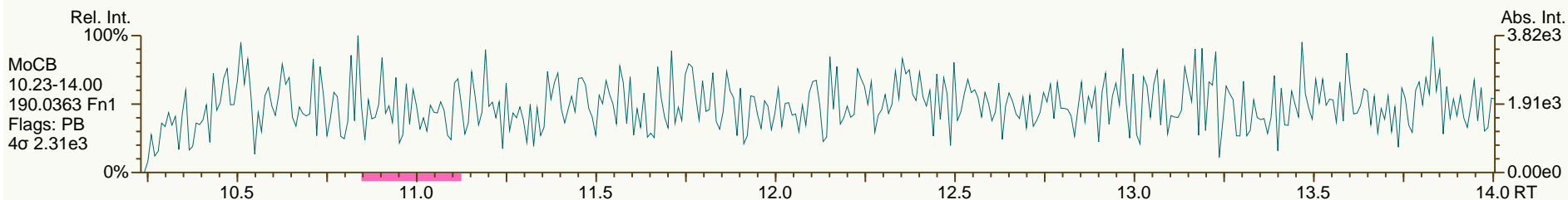
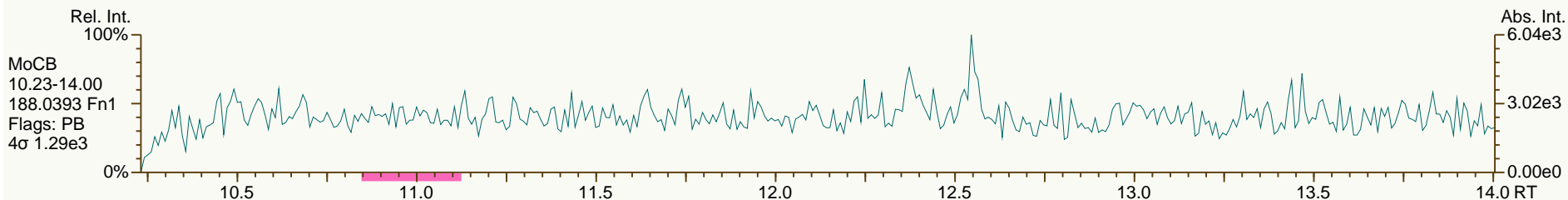
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AP Lab ID: SBS_120126_PCB_SC
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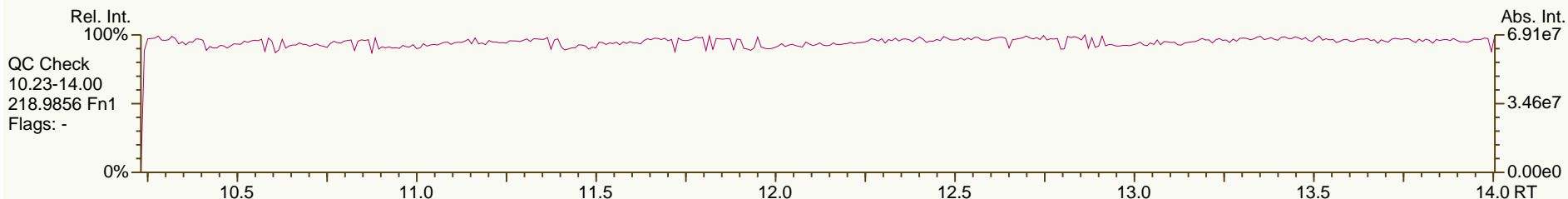
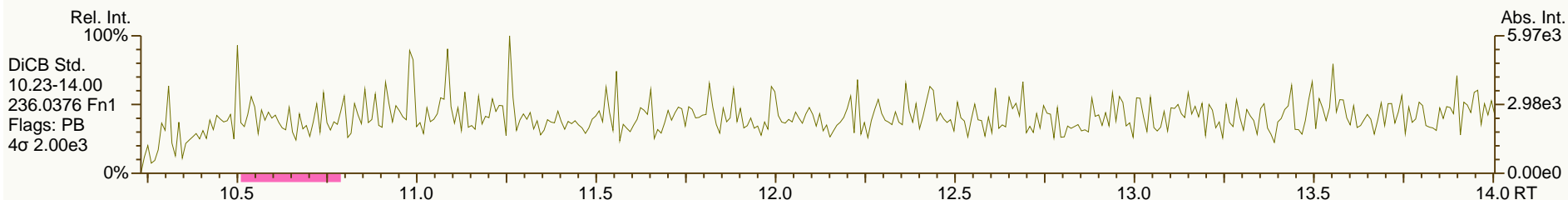
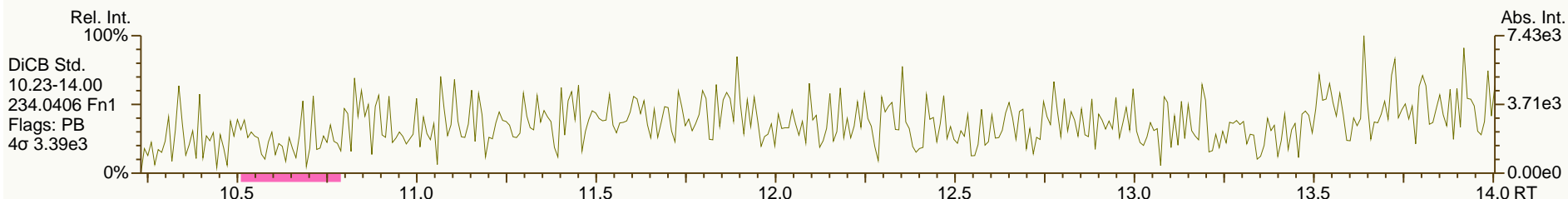
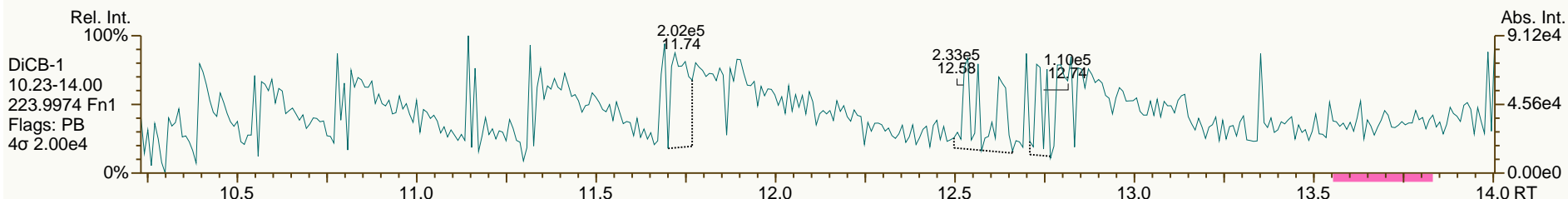
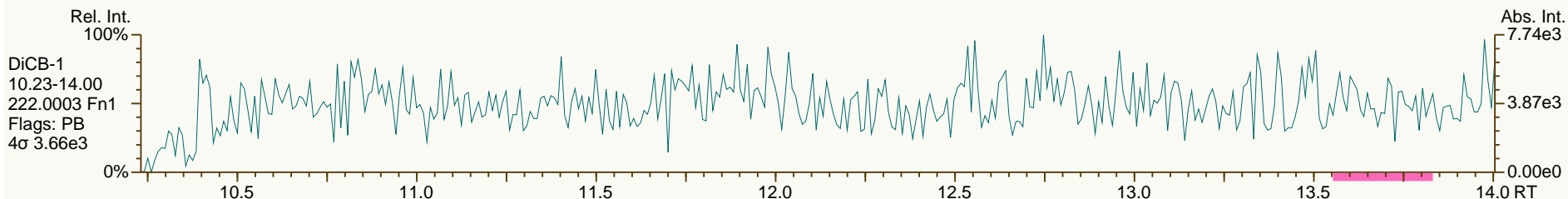
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AP Lab ID: SBS_120126_PCB_SC
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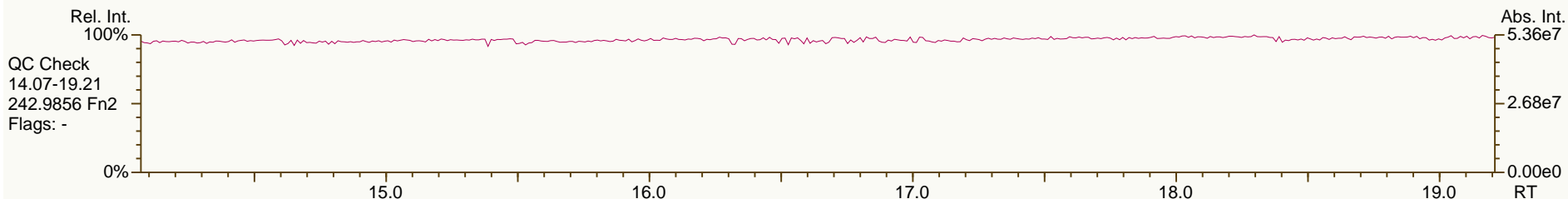
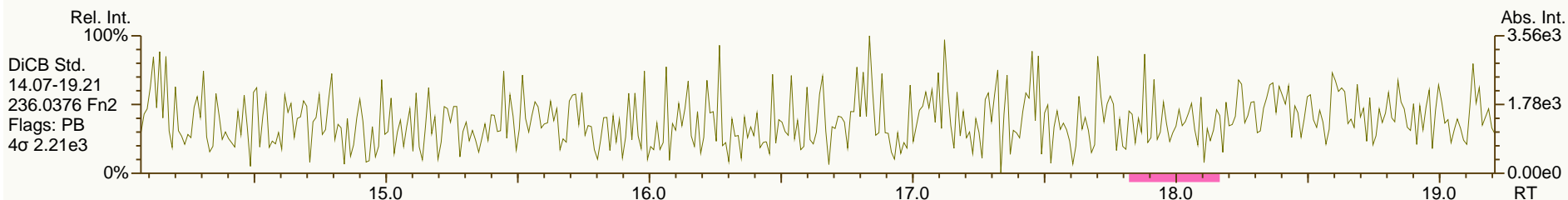
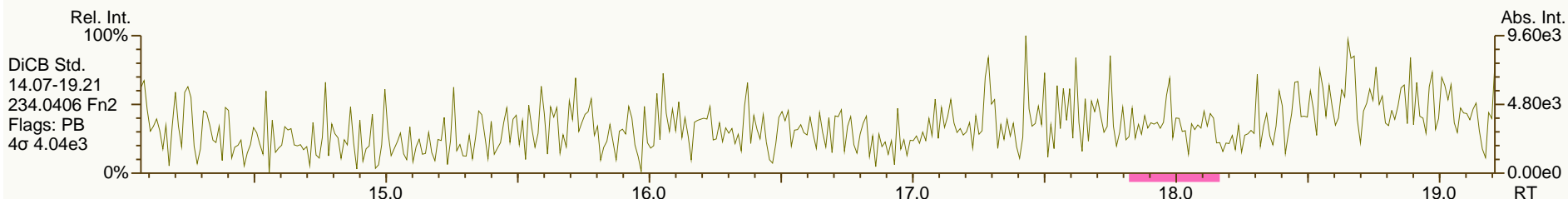
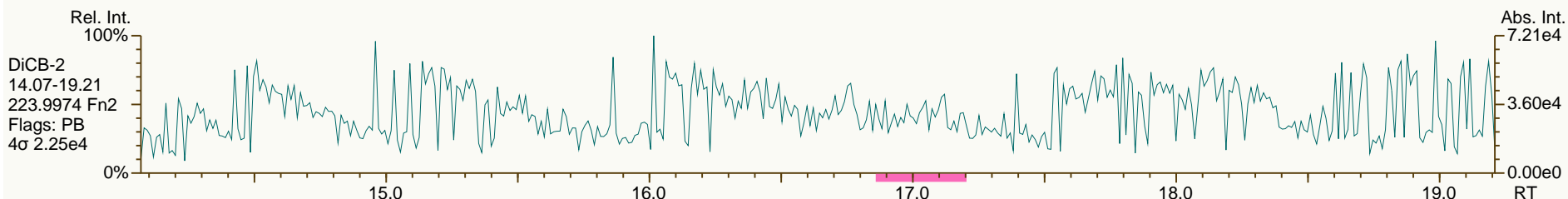
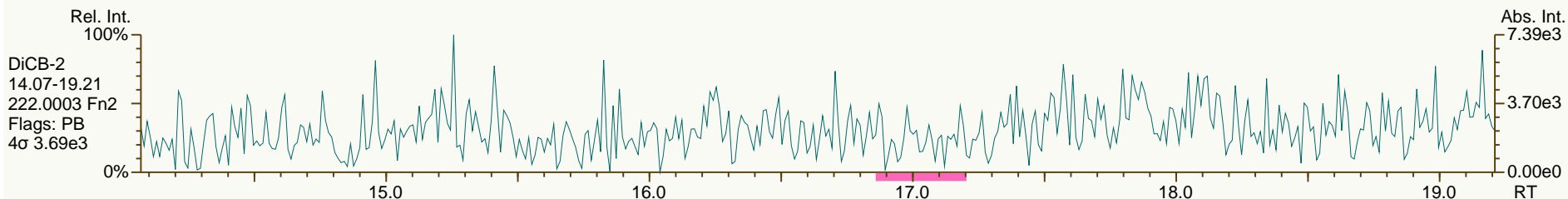
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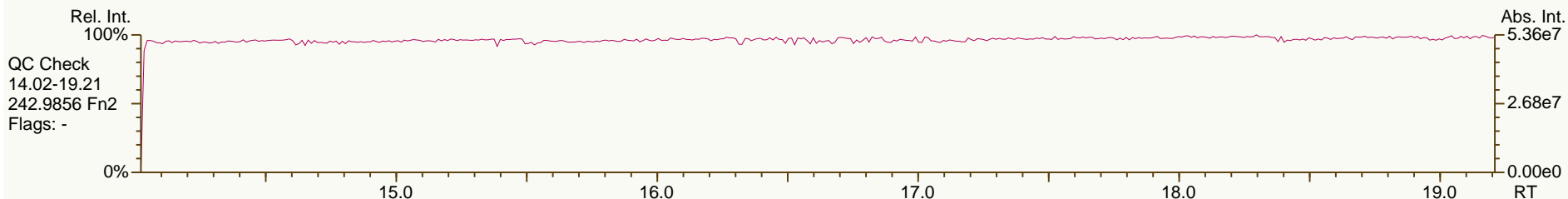
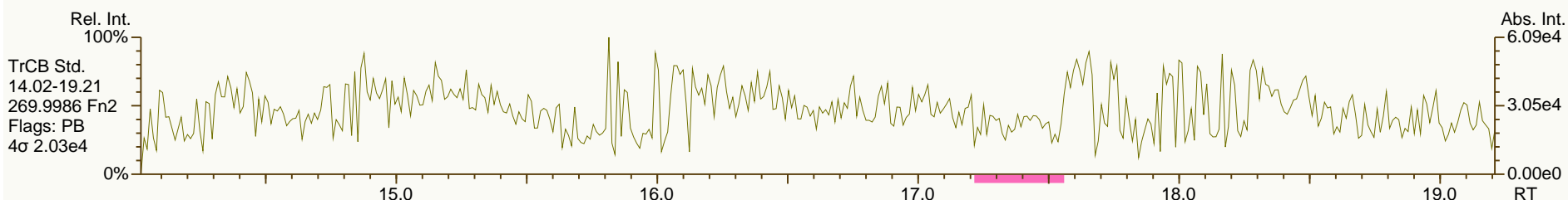
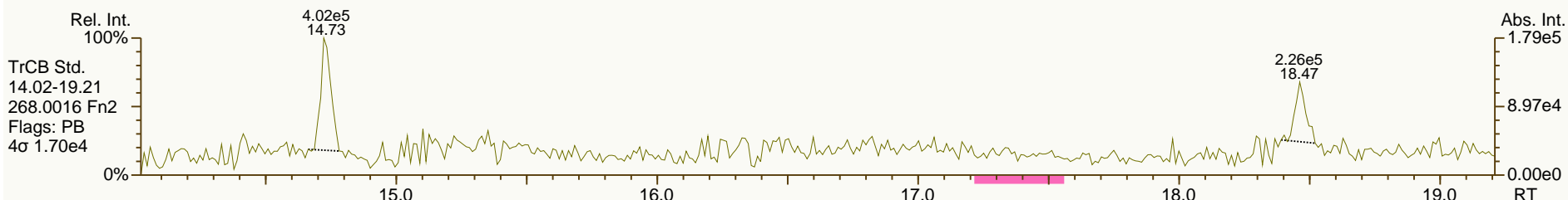
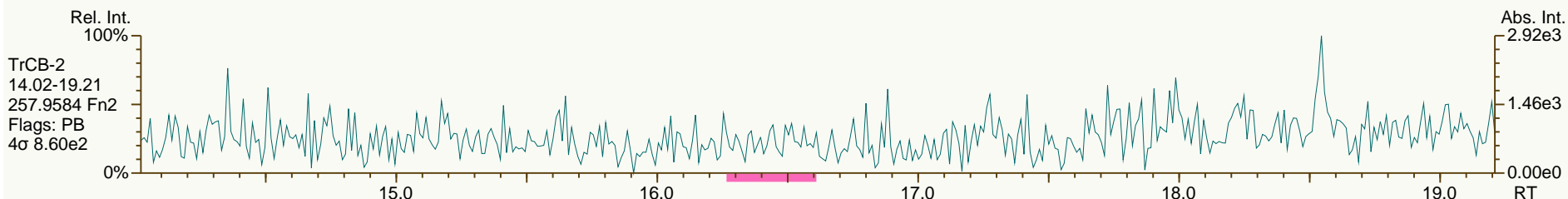
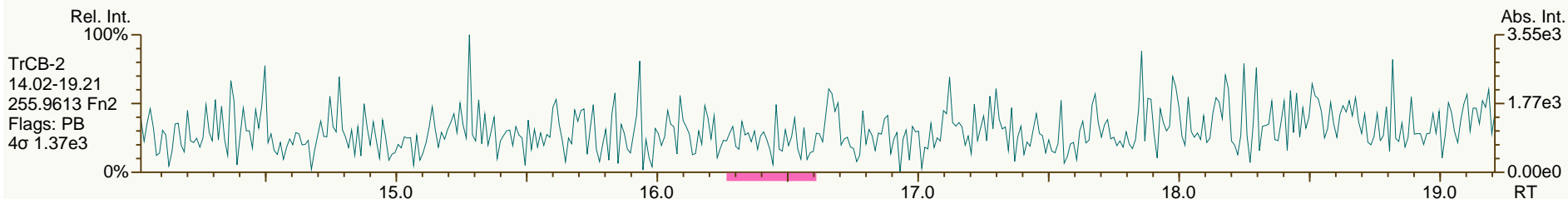
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AP Lab ID: SBS_120126_PCB_SC
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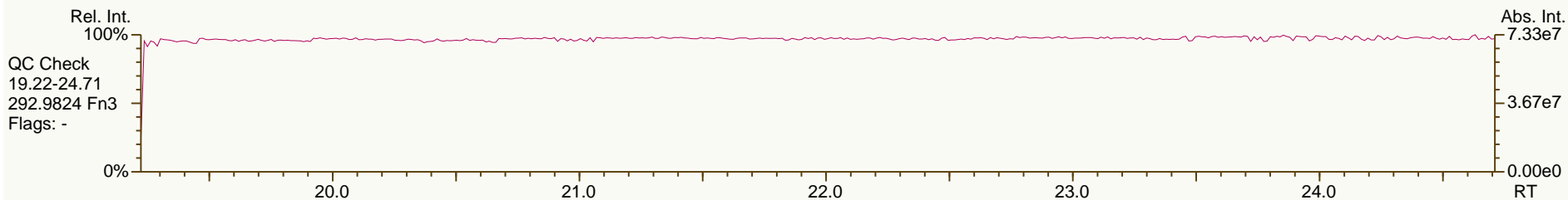
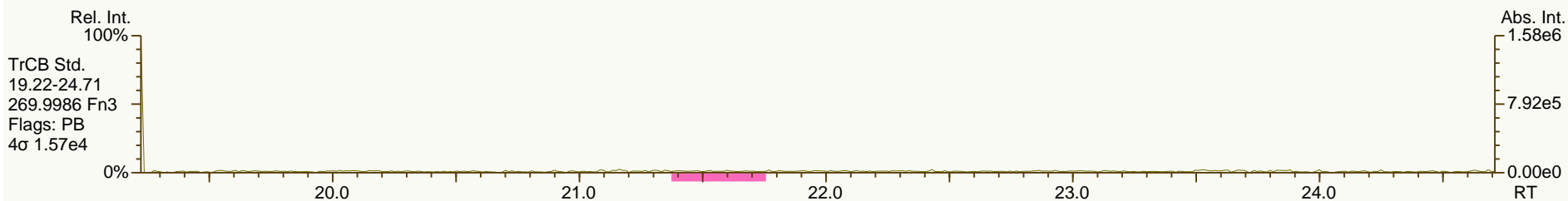
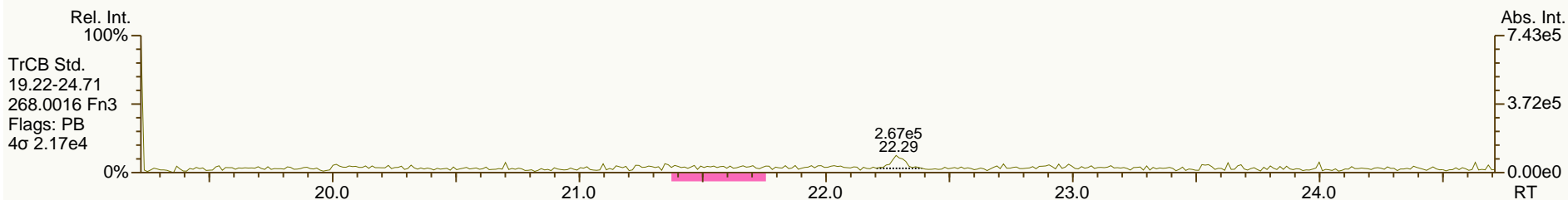
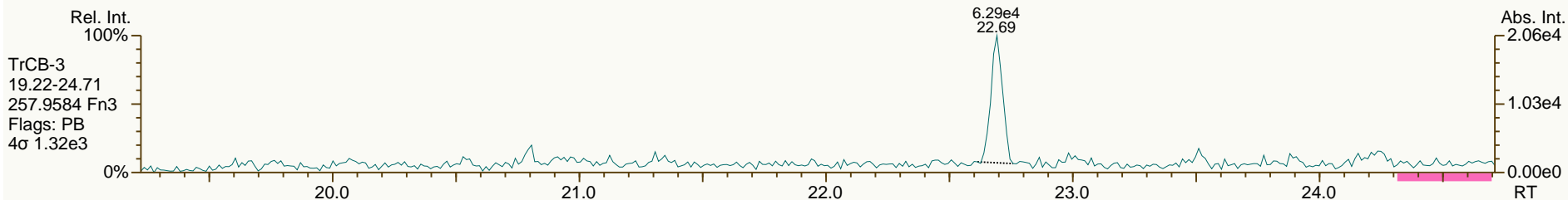
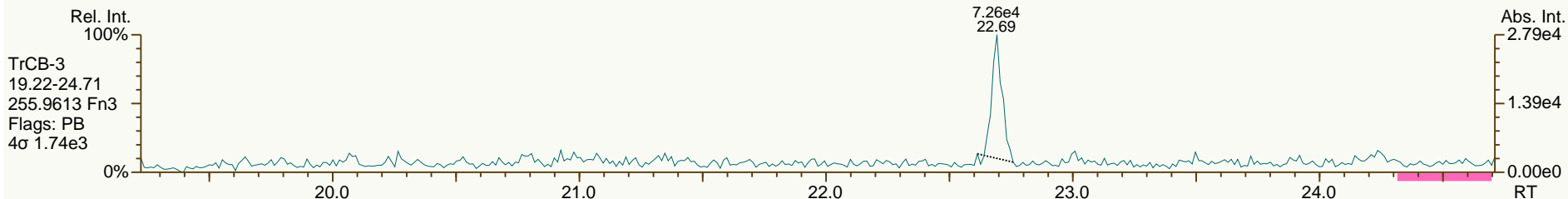
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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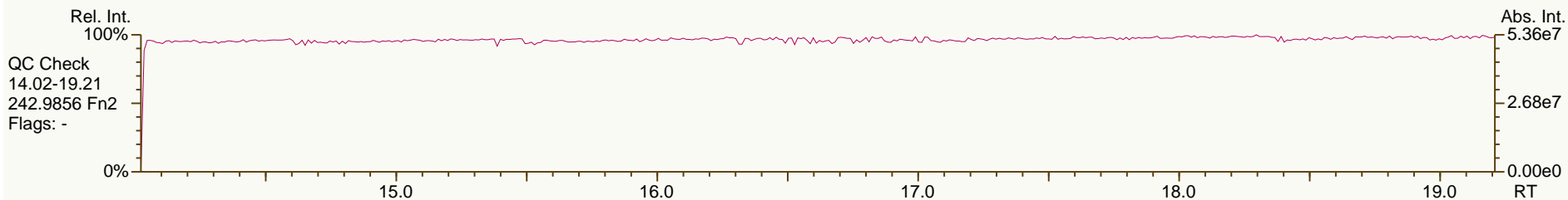
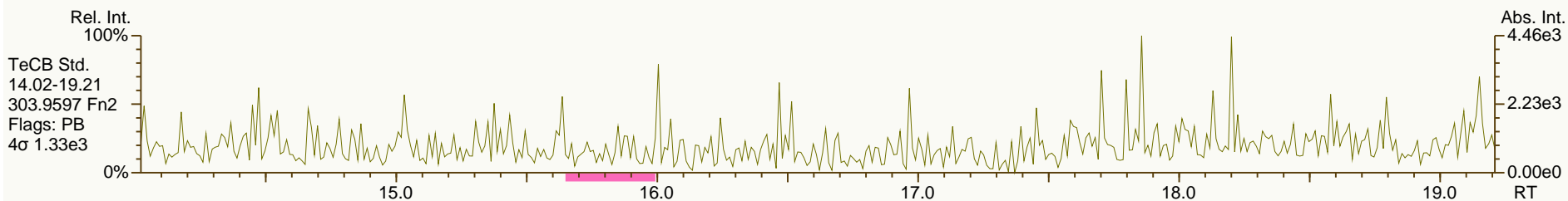
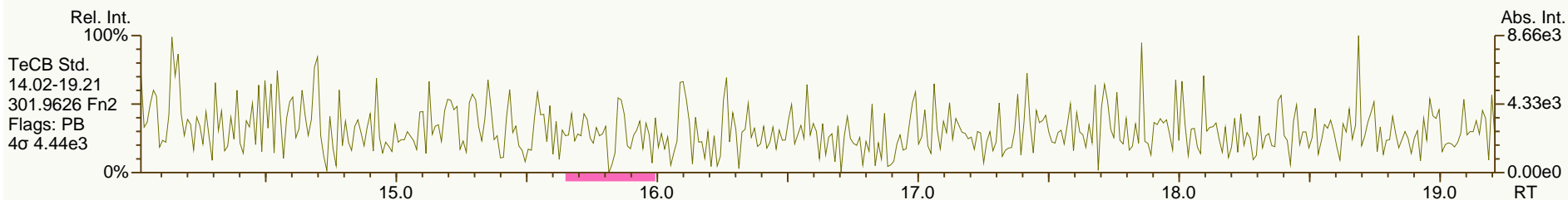
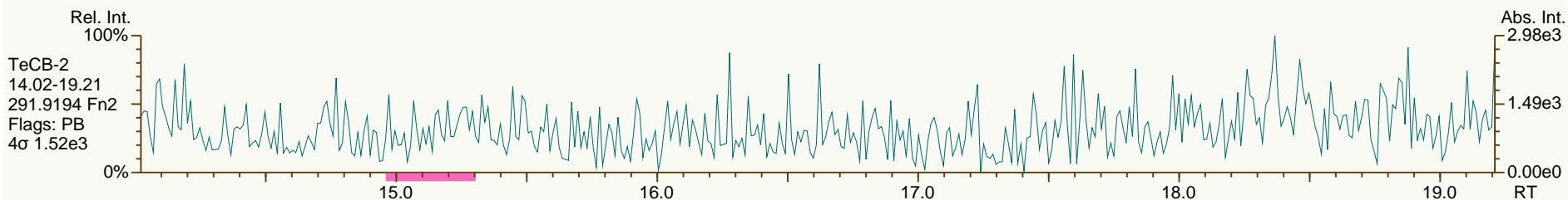
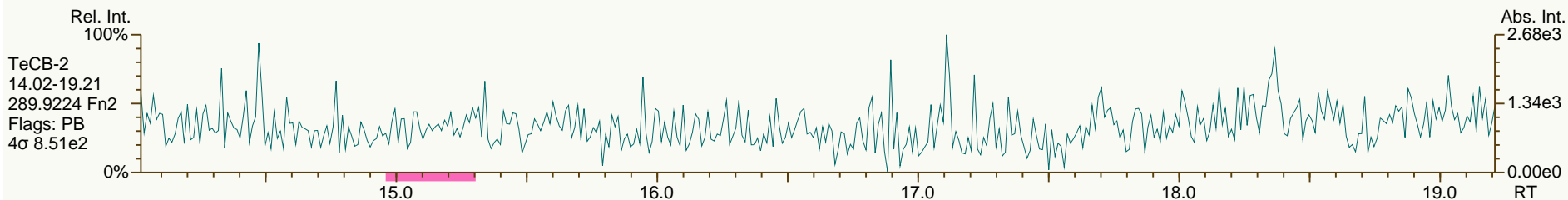
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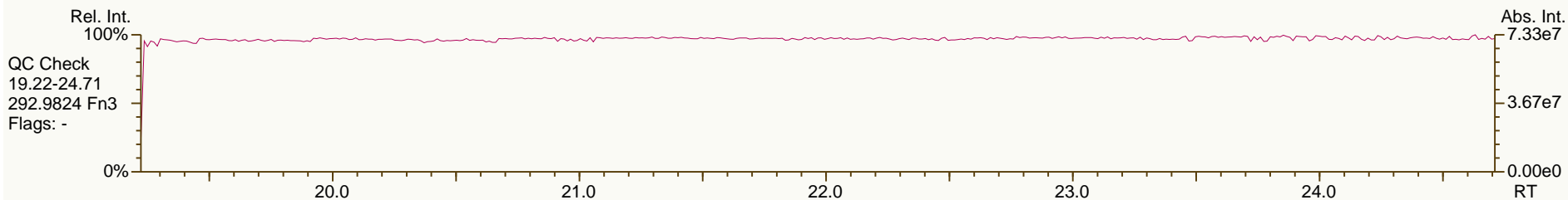
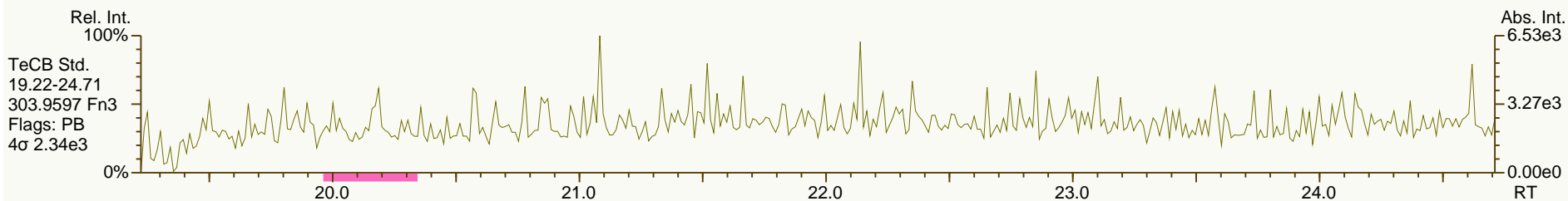
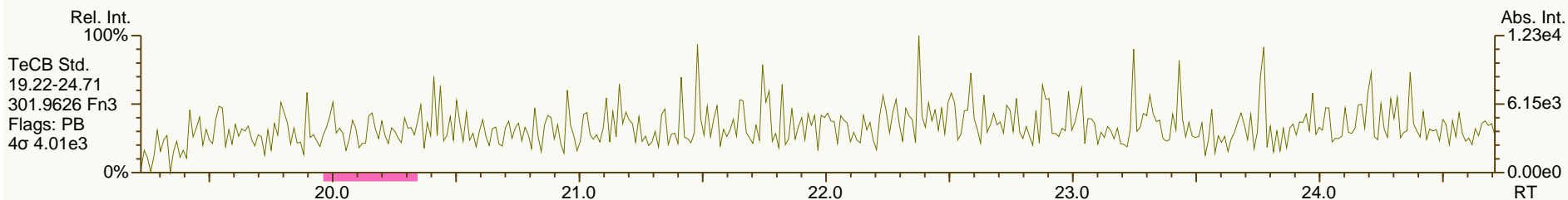
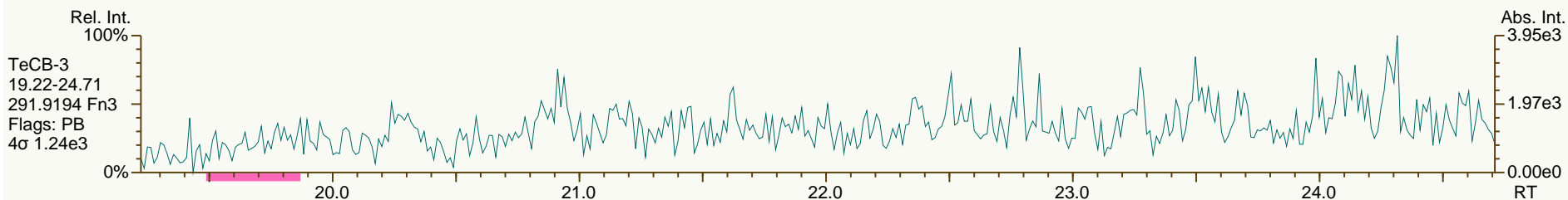
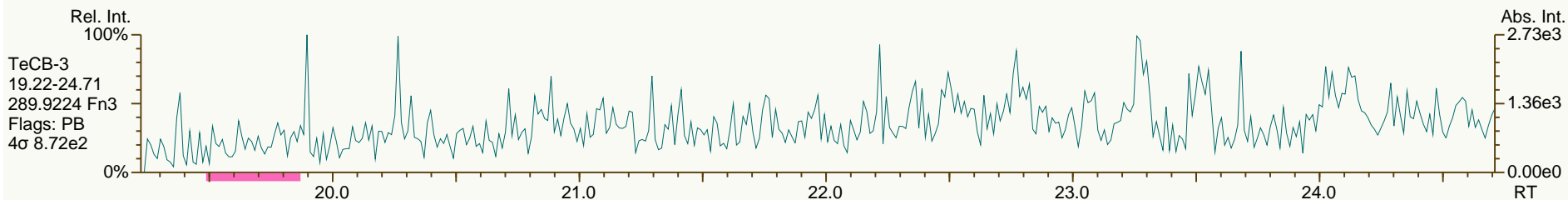
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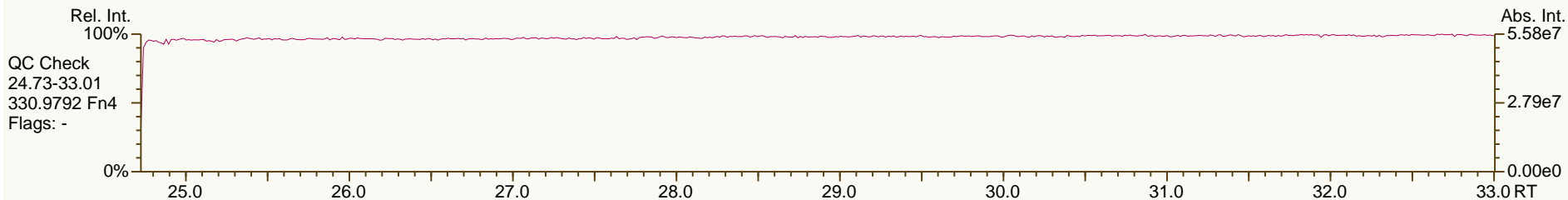
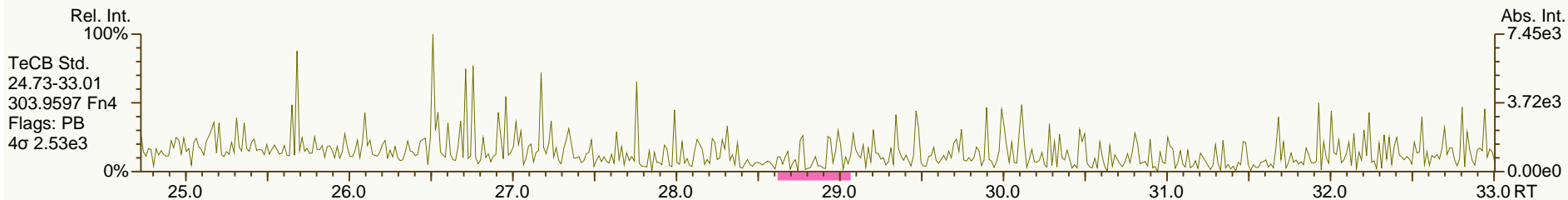
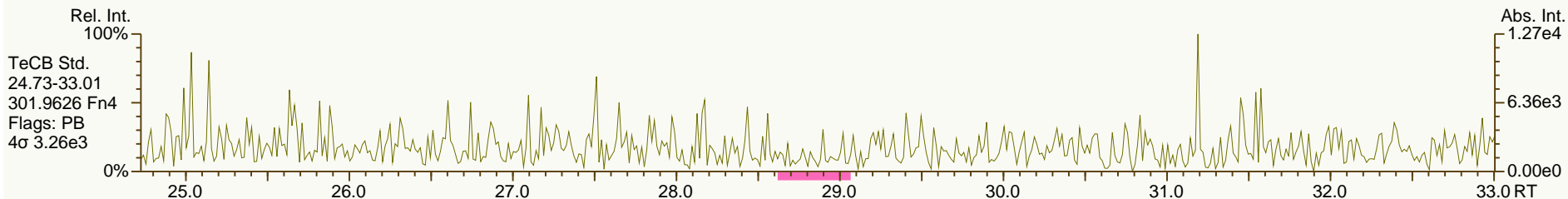
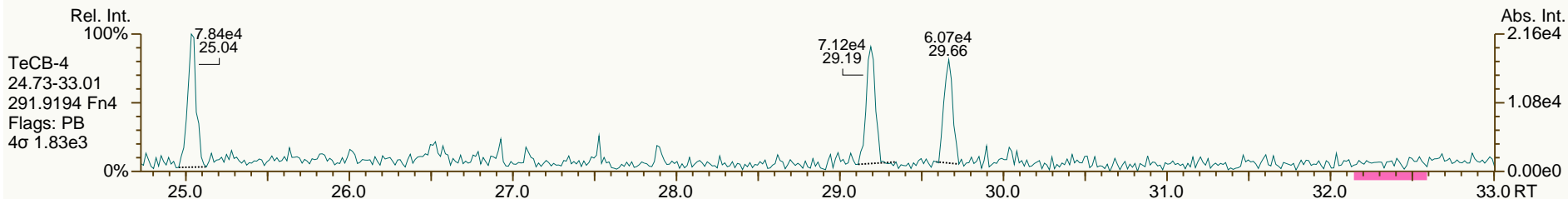
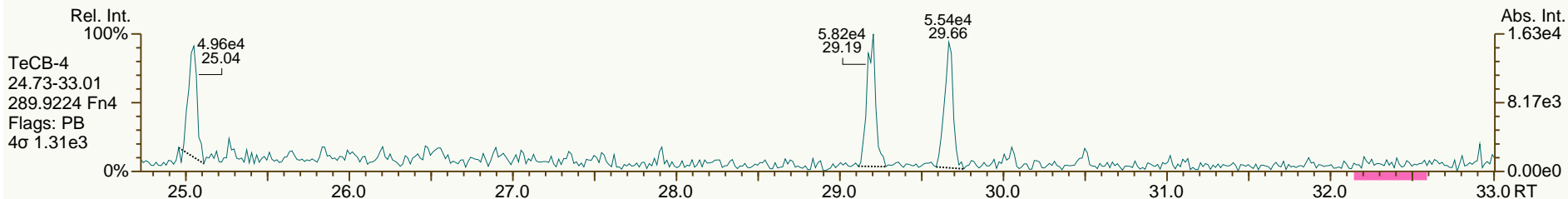
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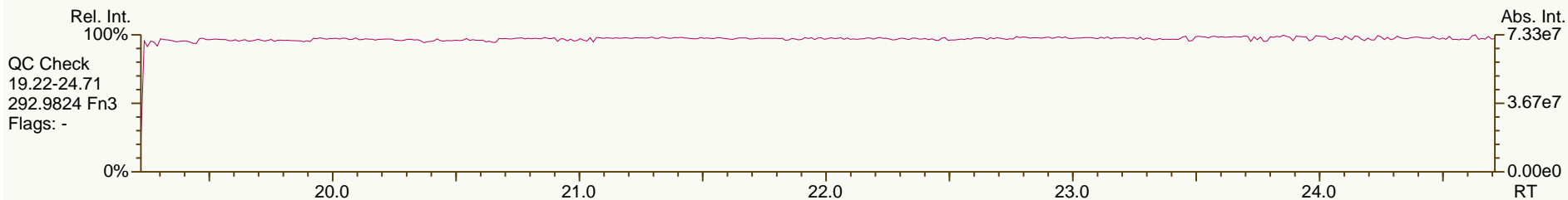
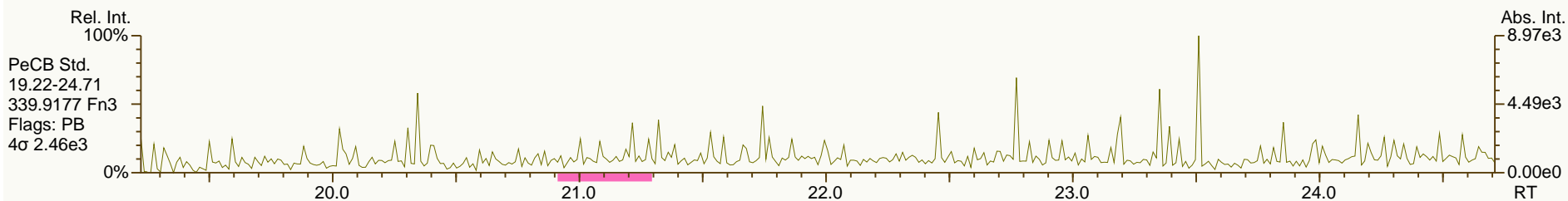
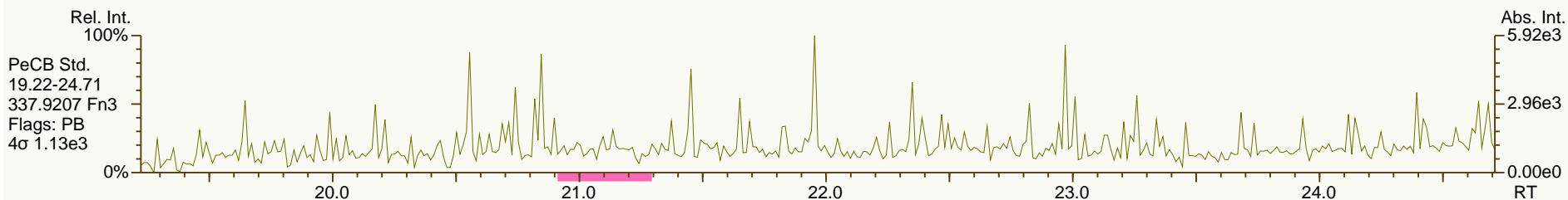
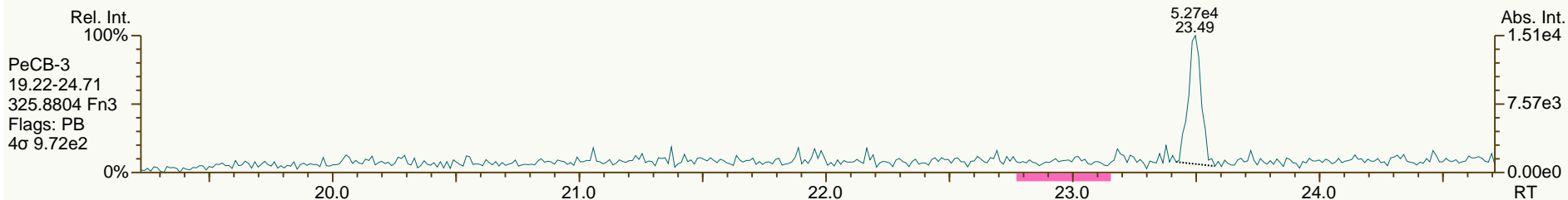
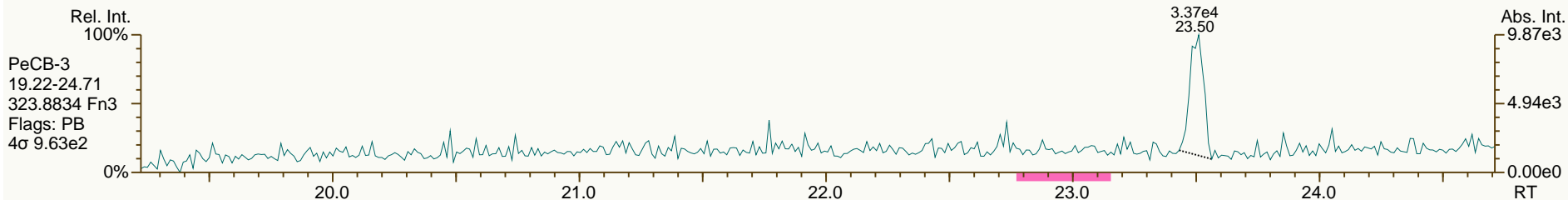
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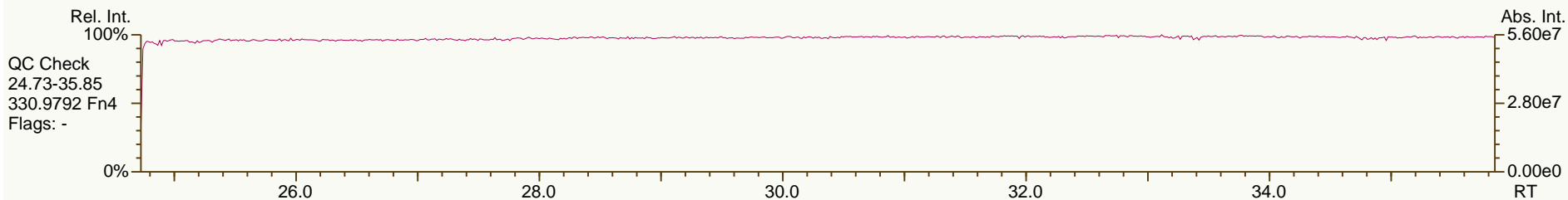
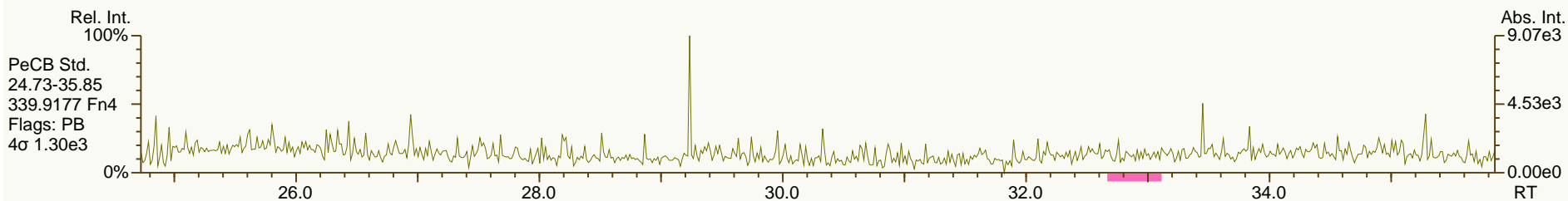
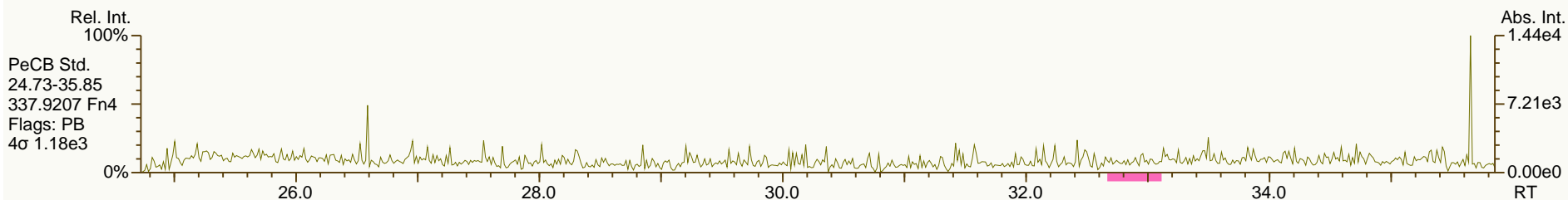
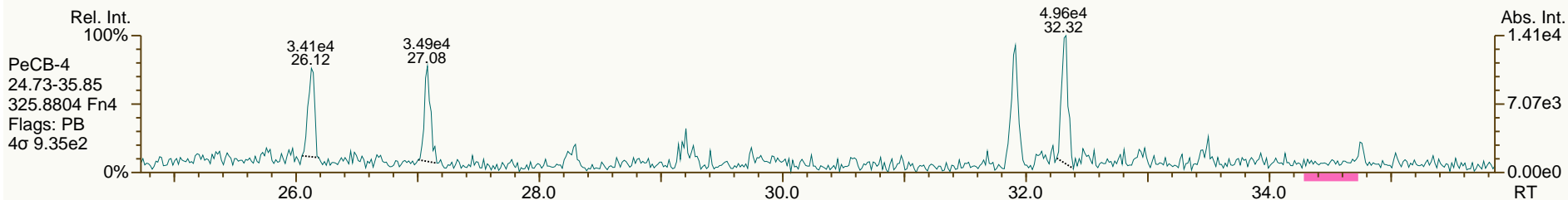
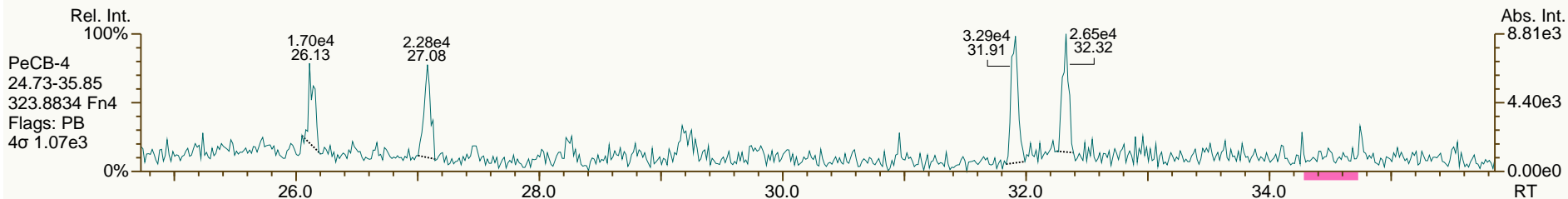
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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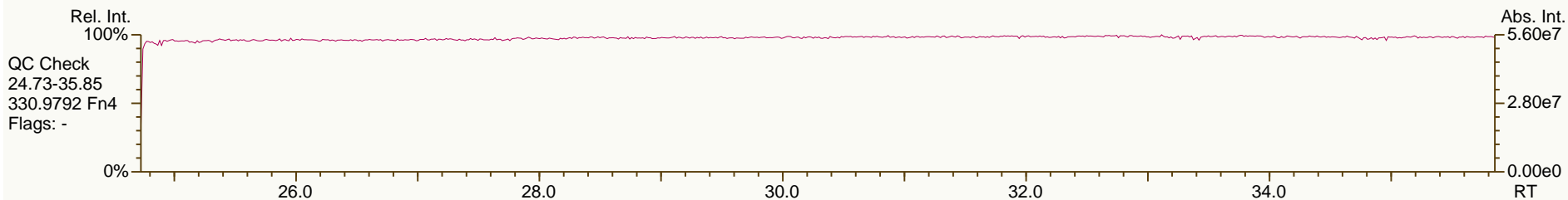
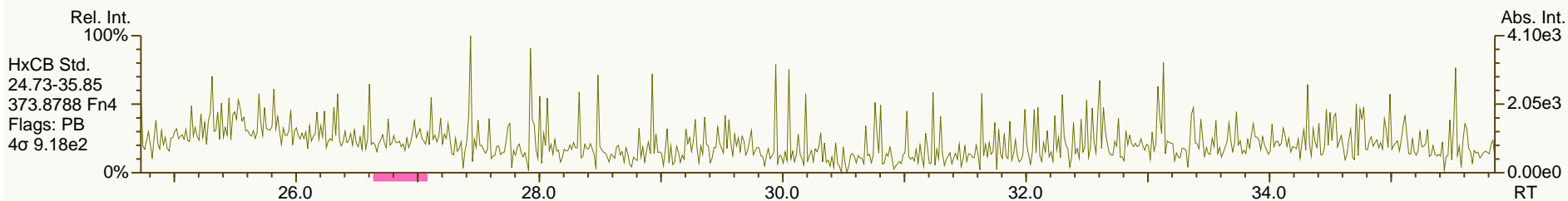
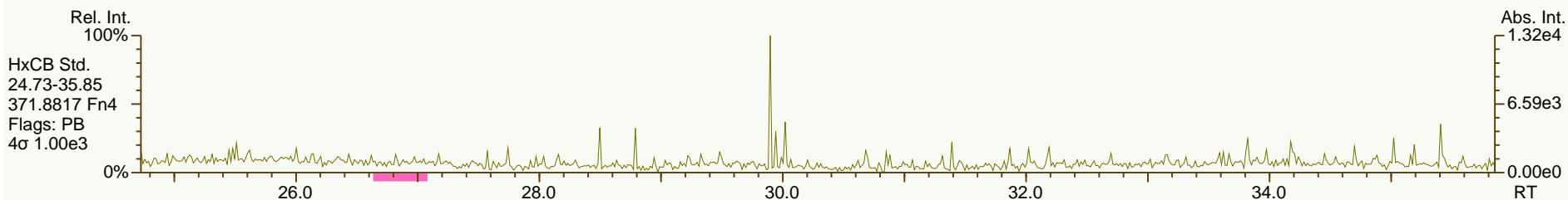
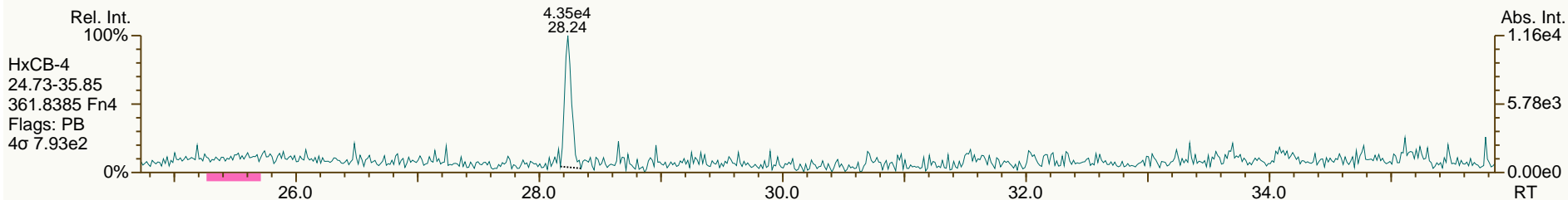
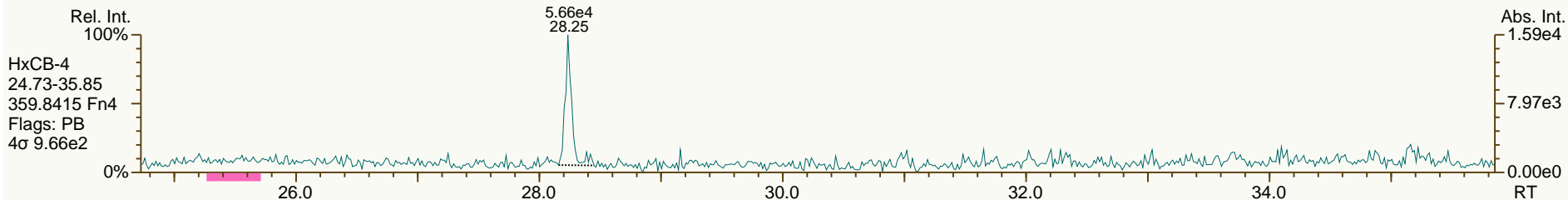
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AP Lab ID: SBS_120126_PCB_SC
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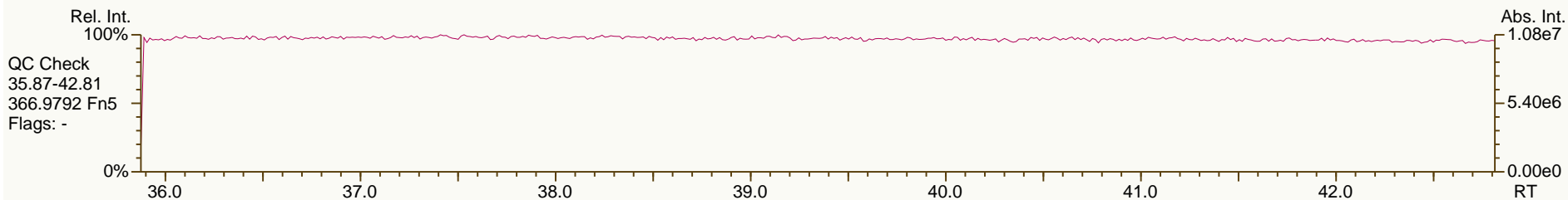
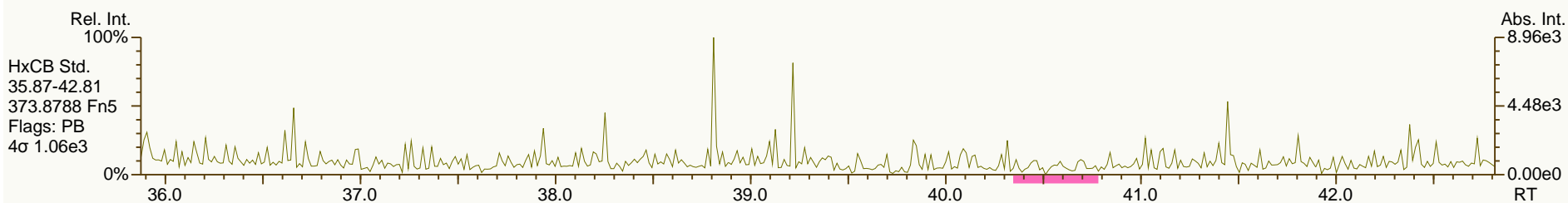
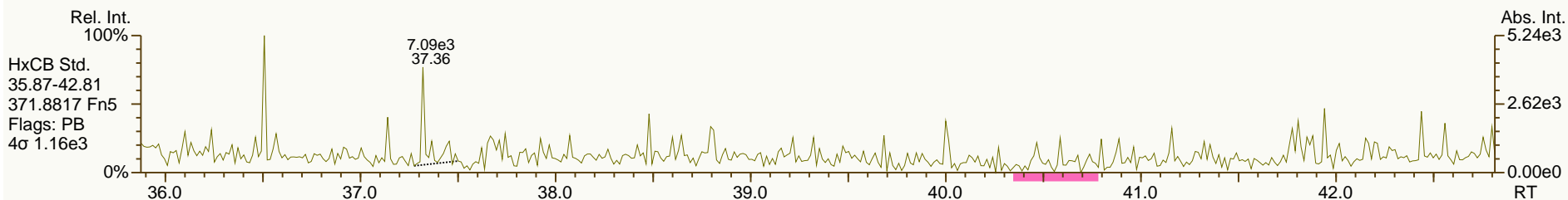
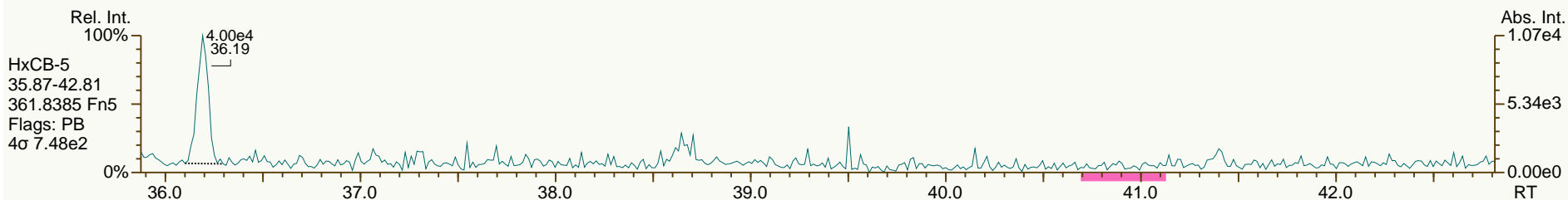
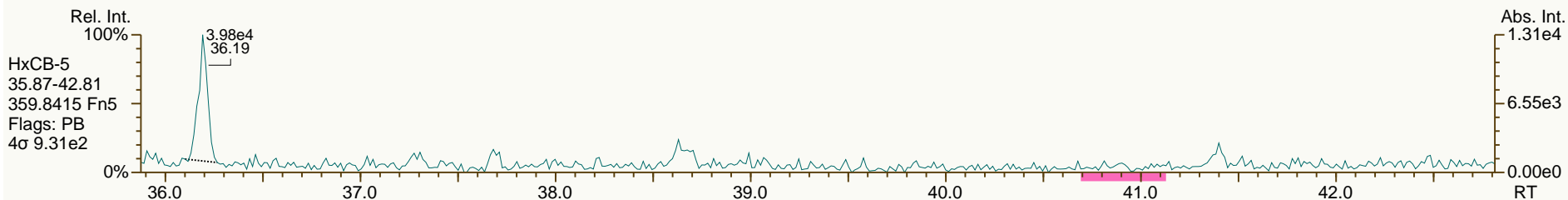
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AP Lab ID: SBS_120126_PCB_SC
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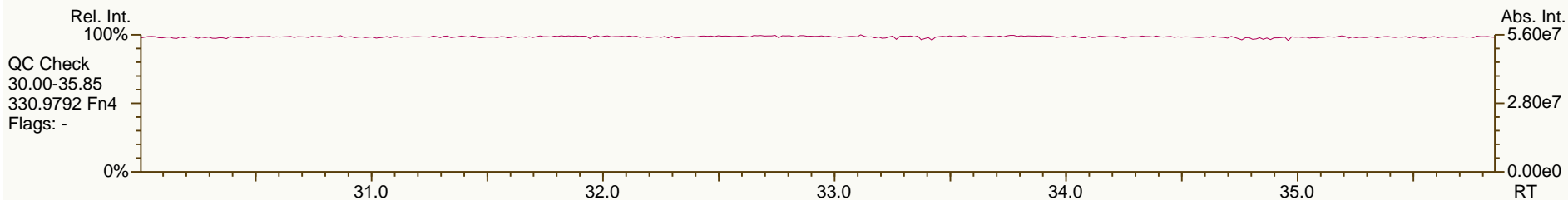
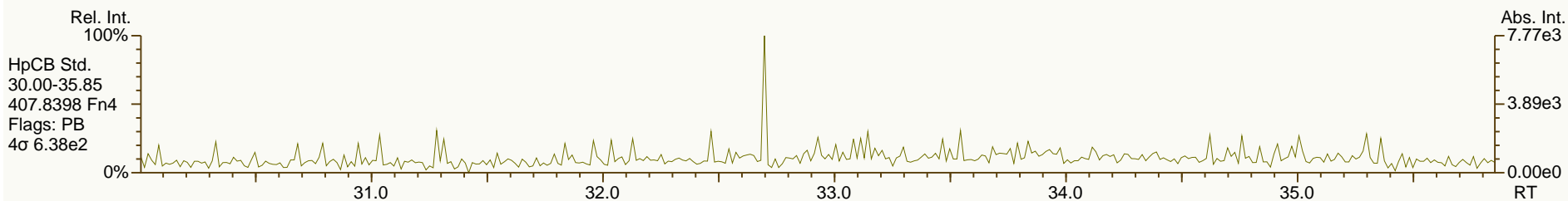
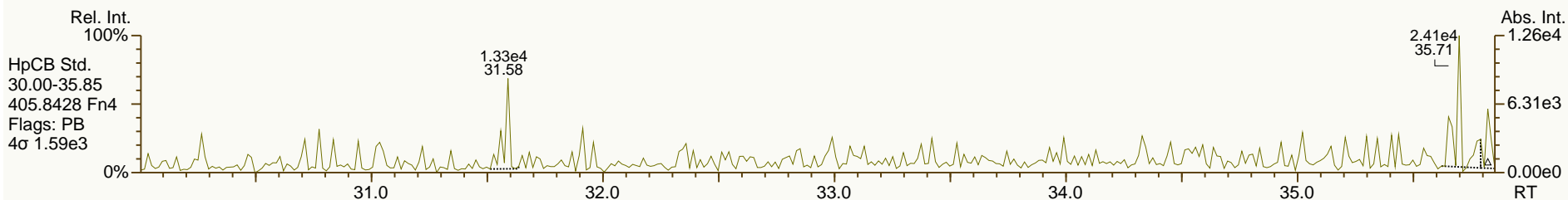
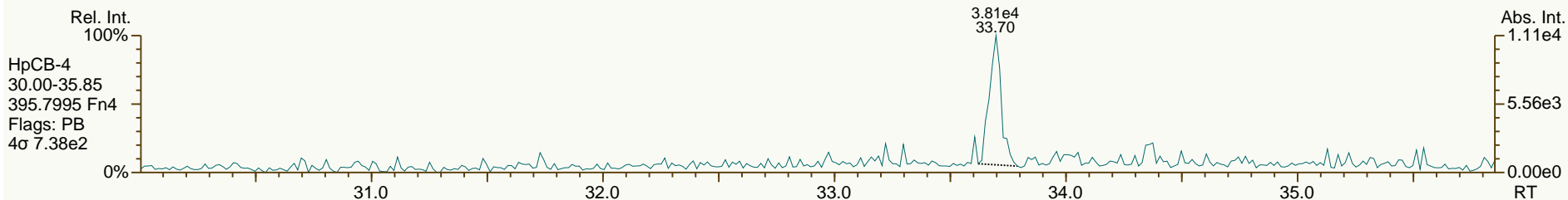
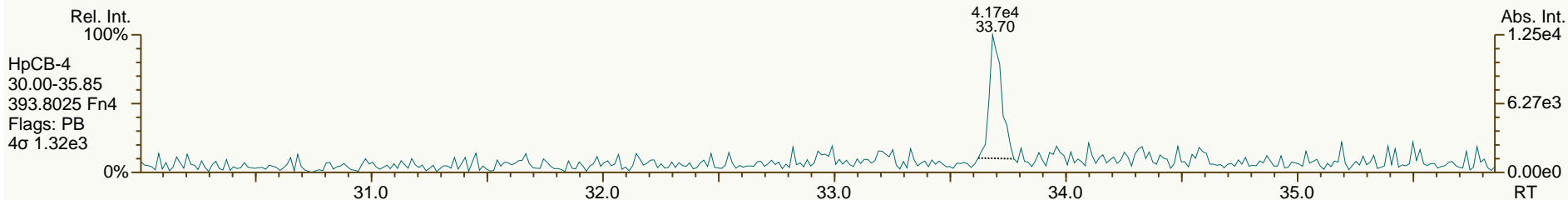
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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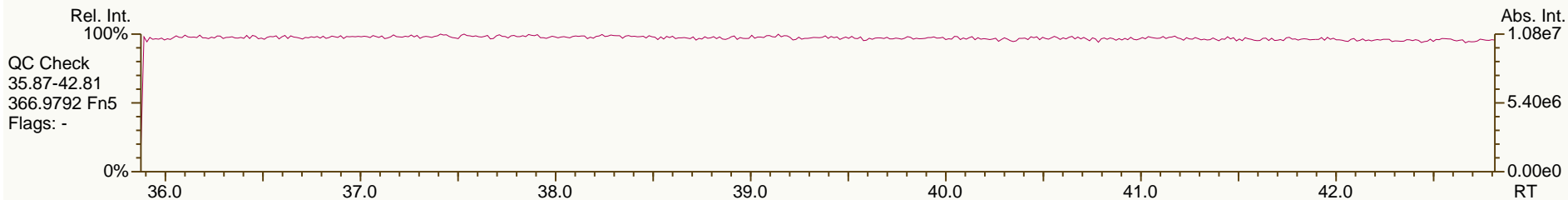
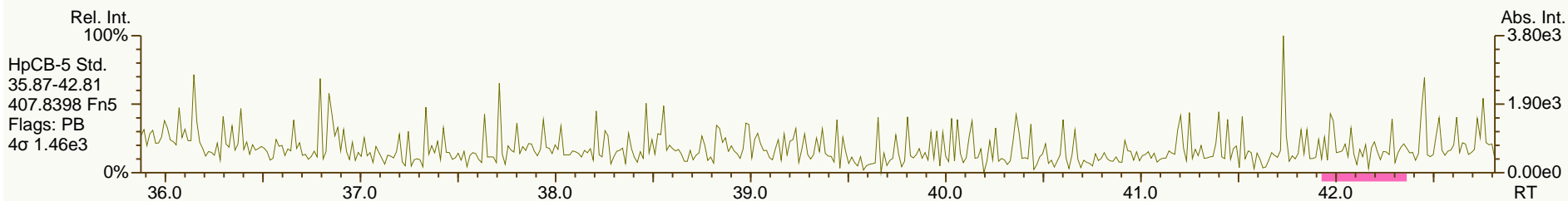
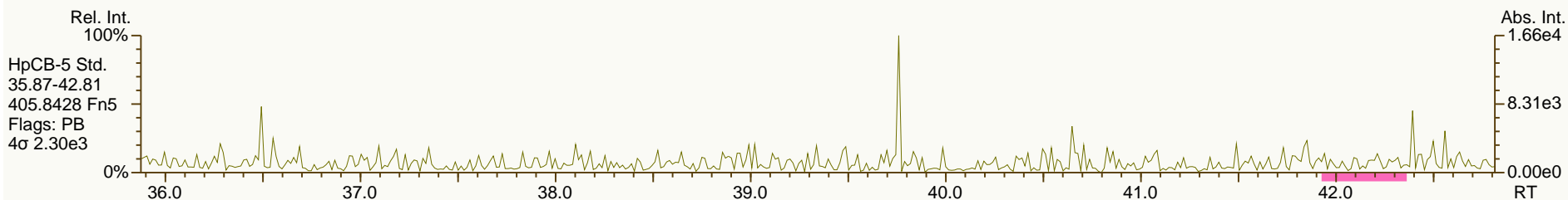
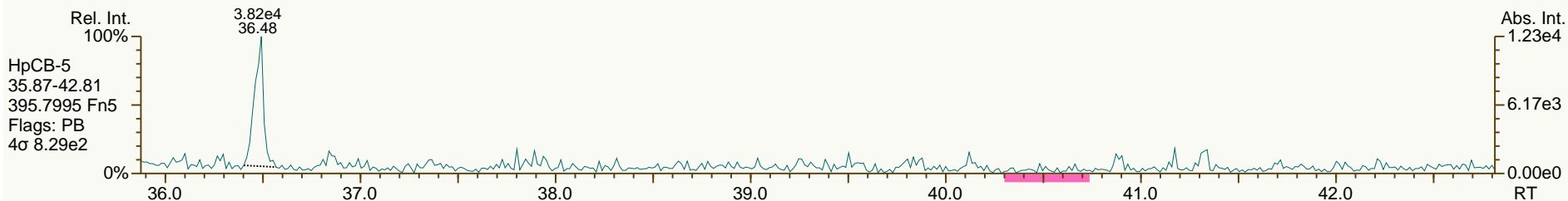
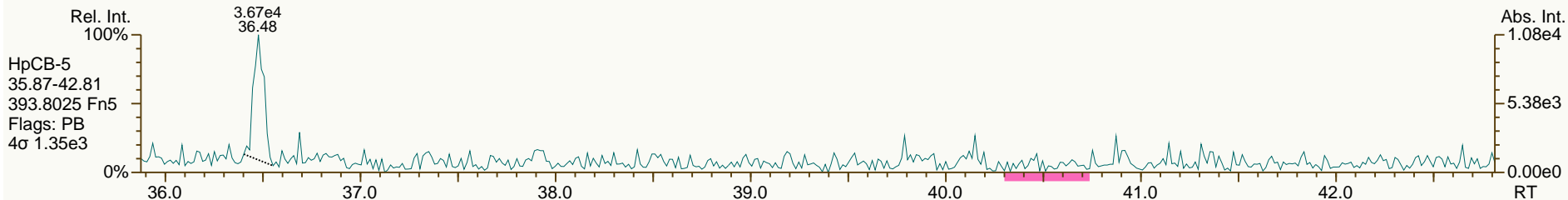
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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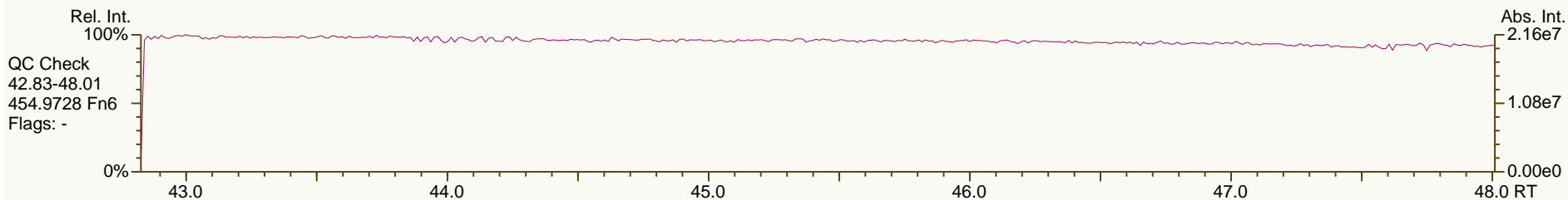
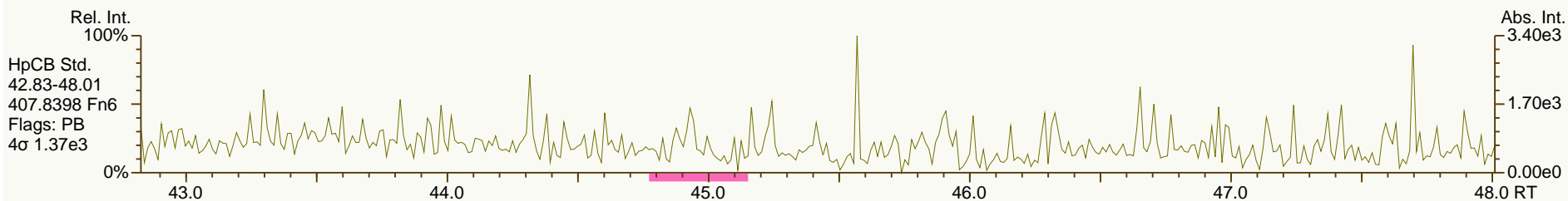
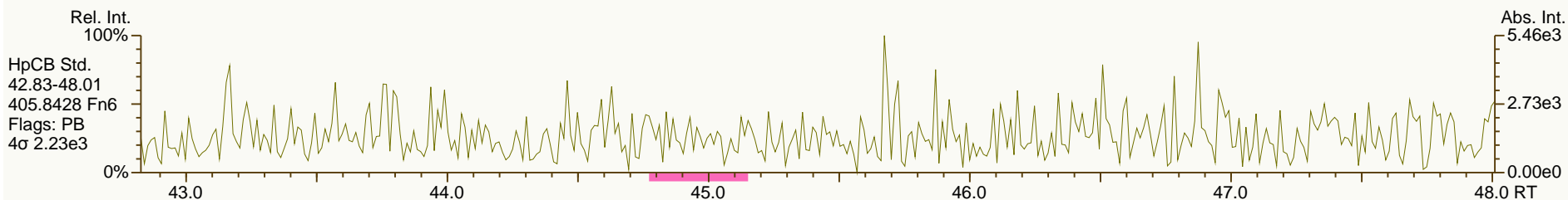
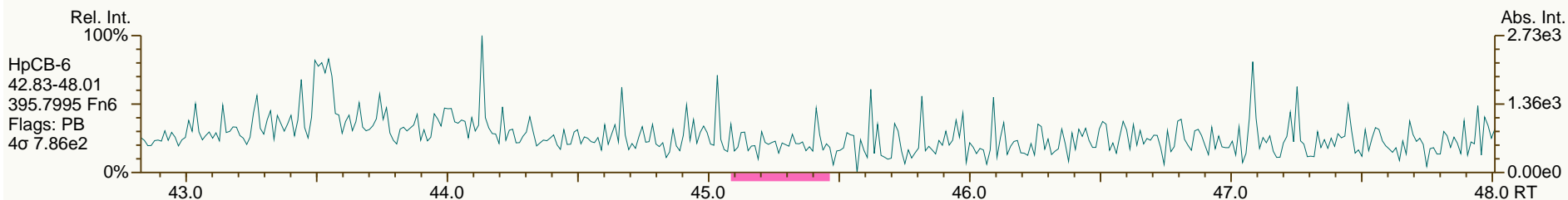
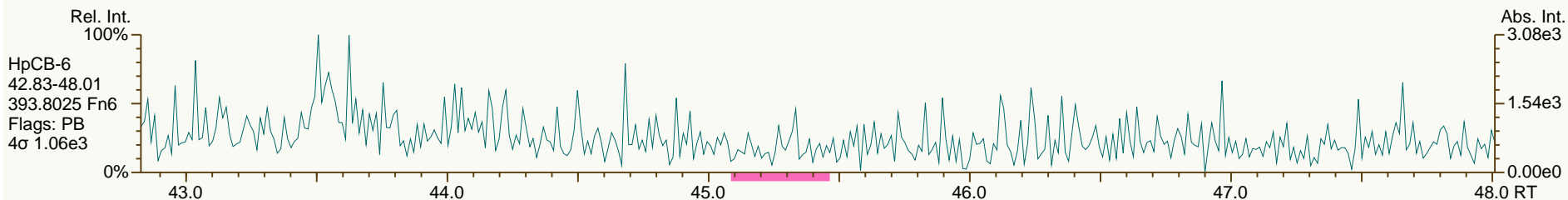
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

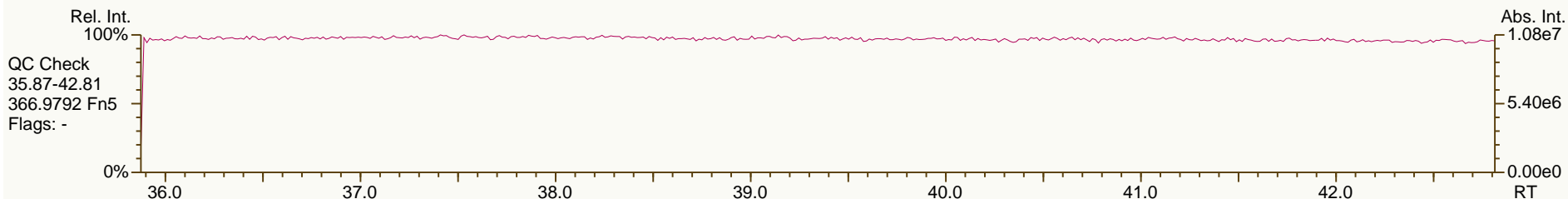
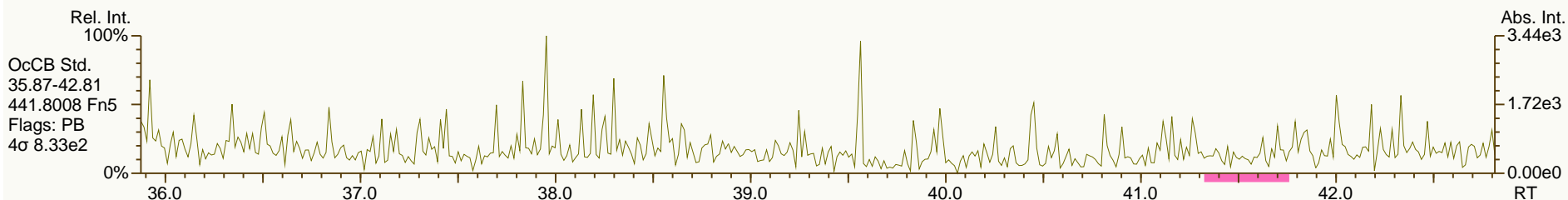
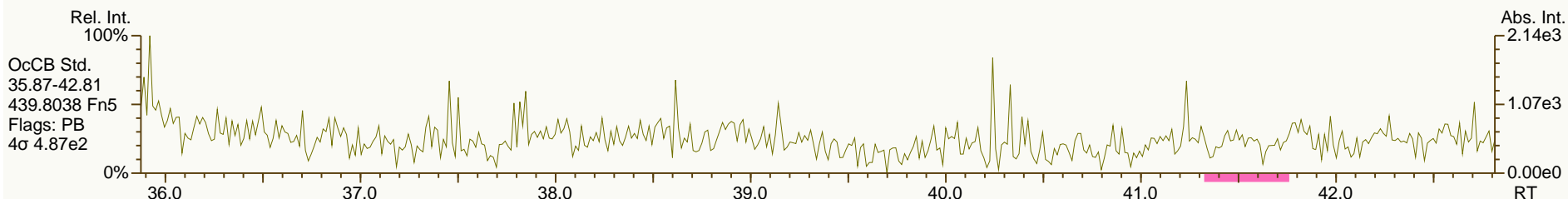
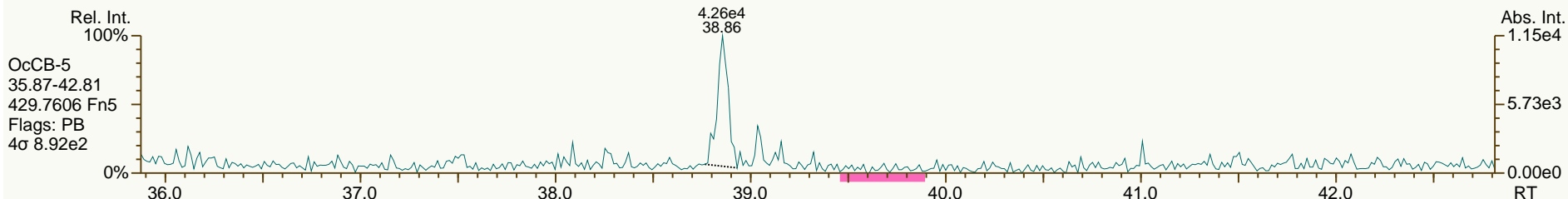
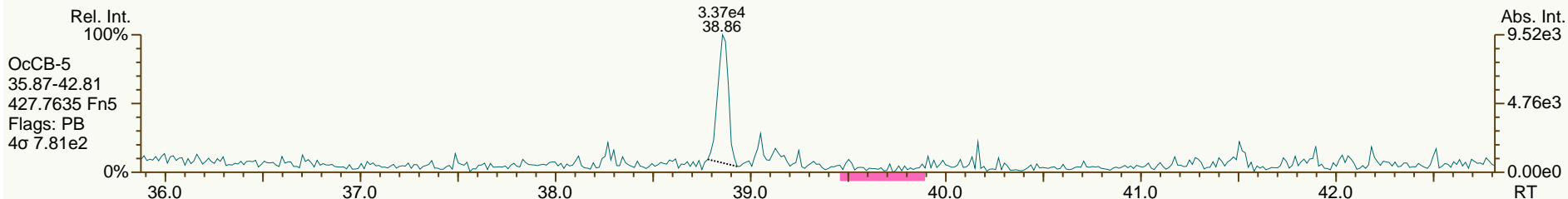
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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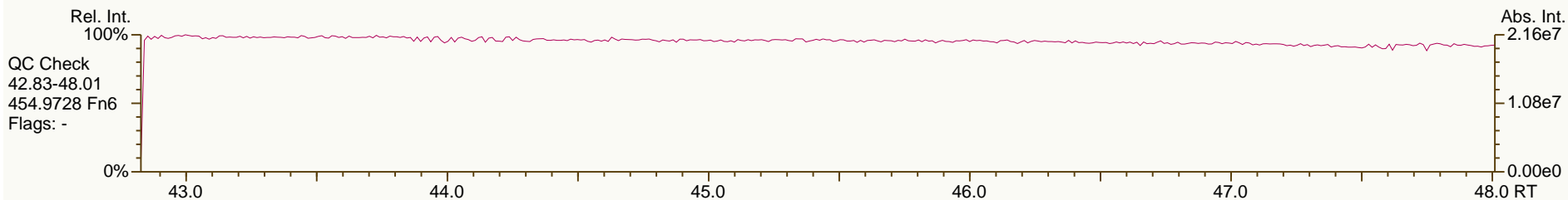
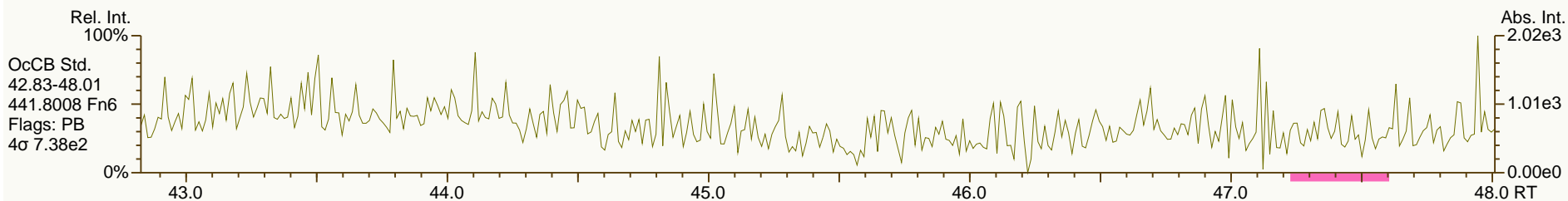
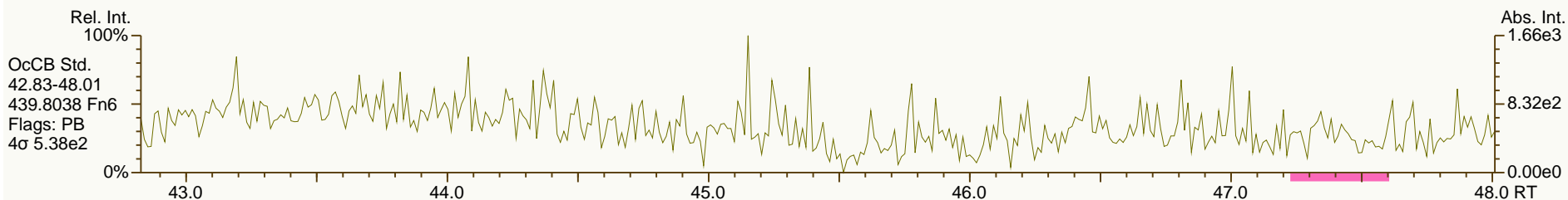
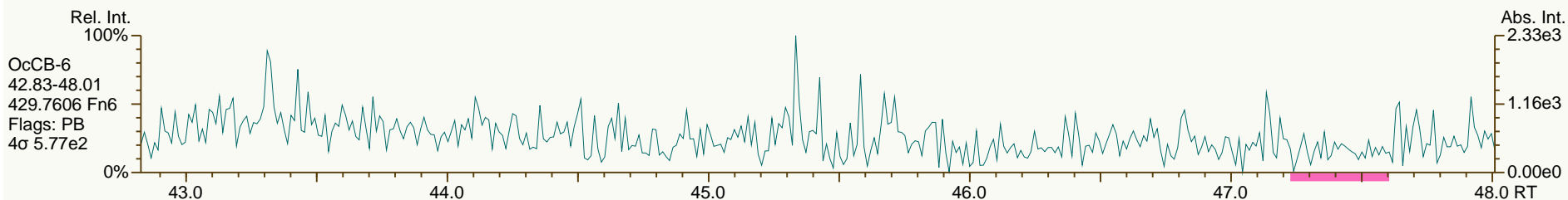
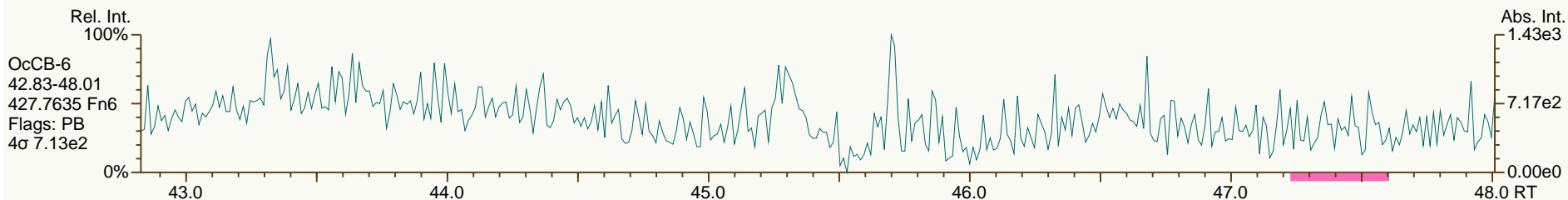
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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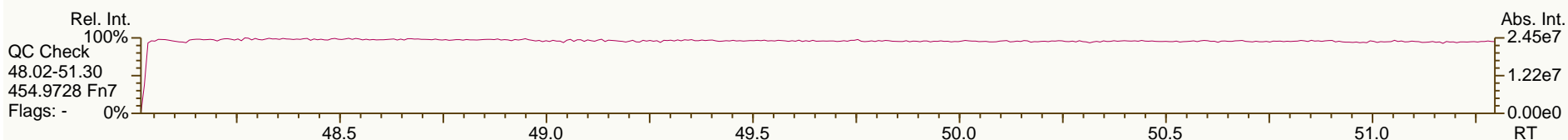
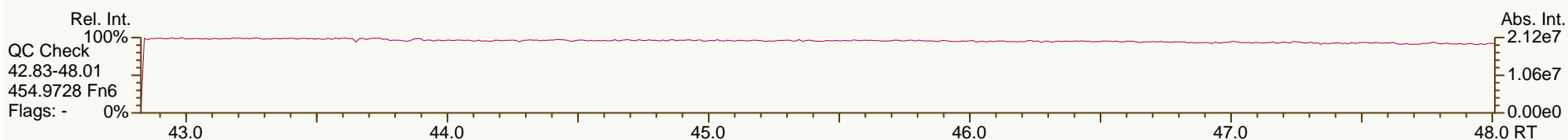
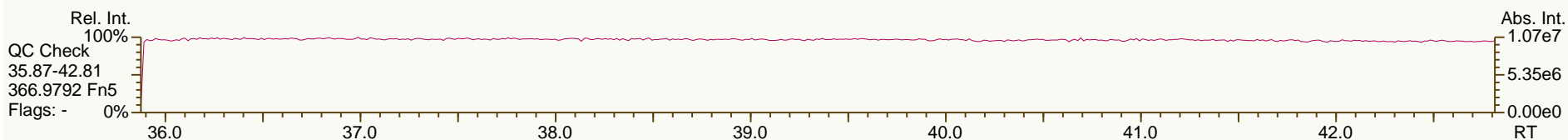
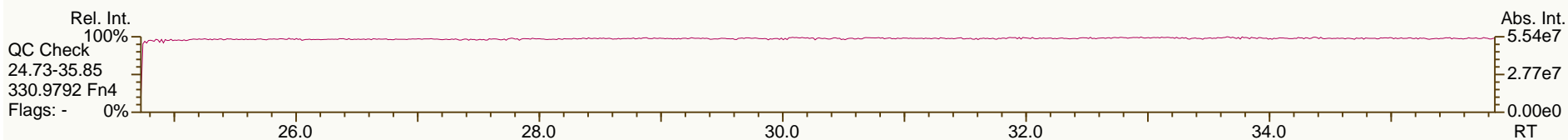
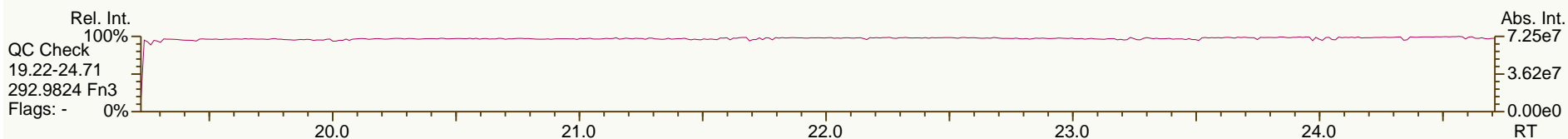
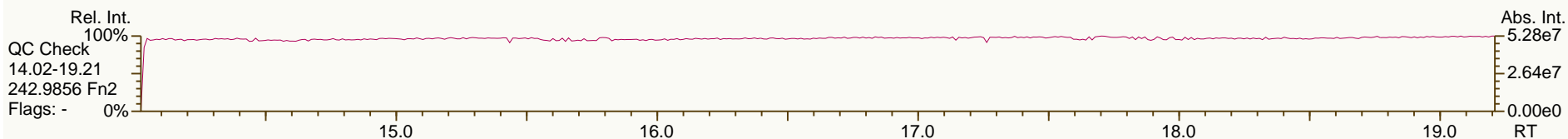
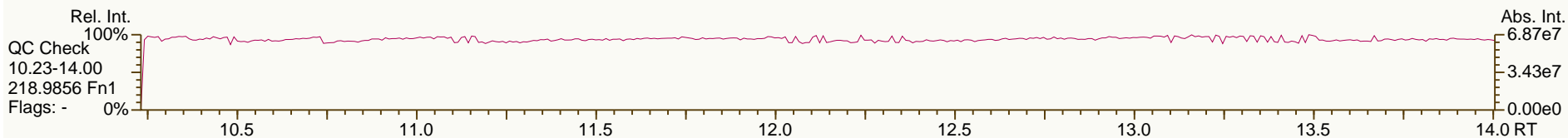
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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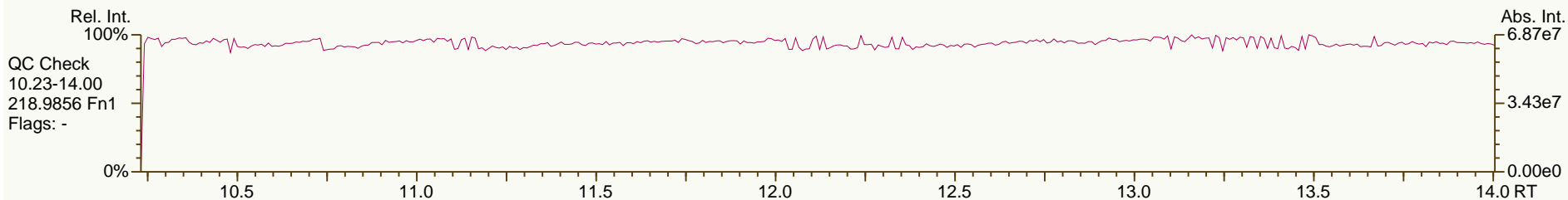
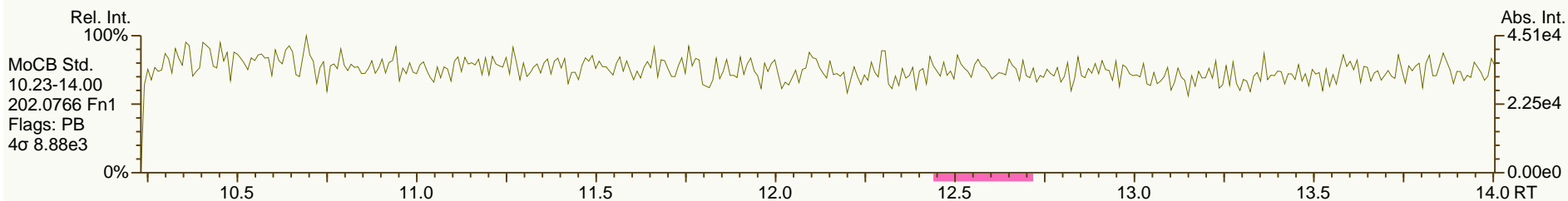
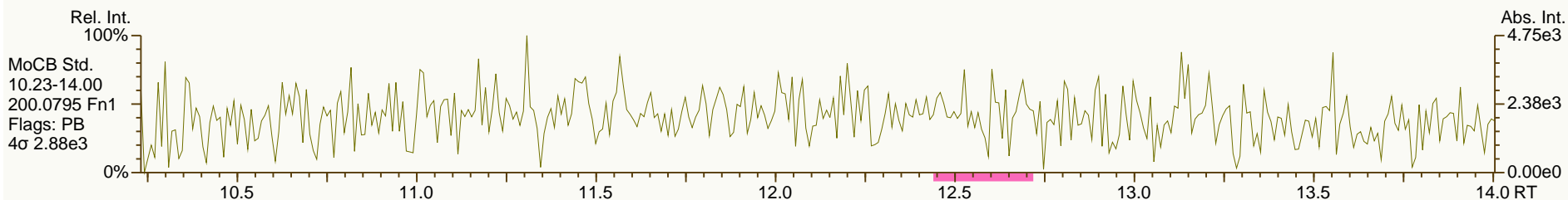
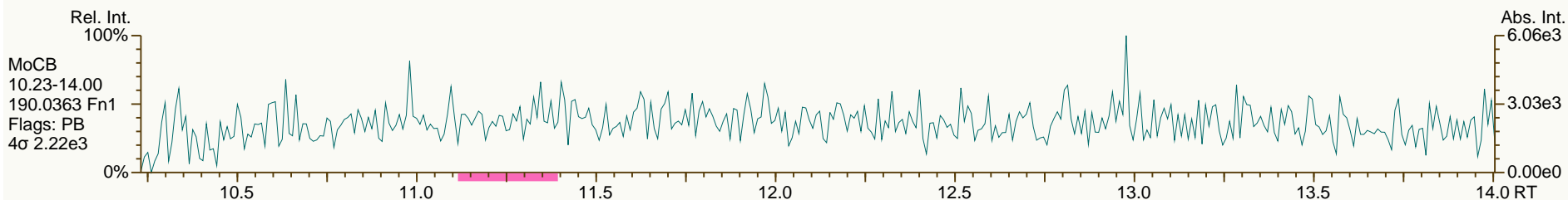
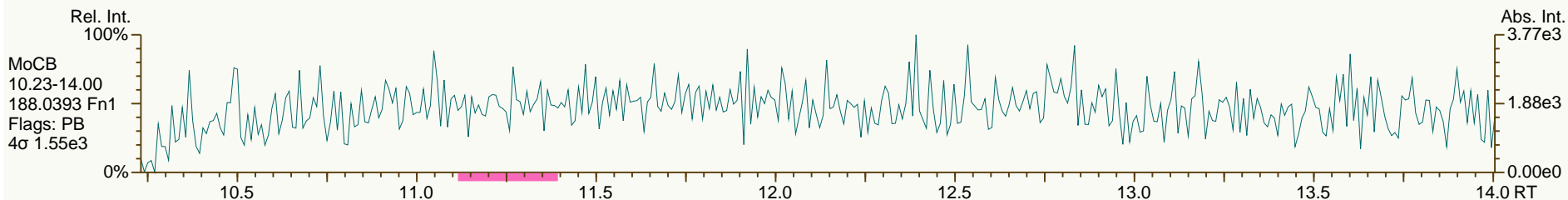
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

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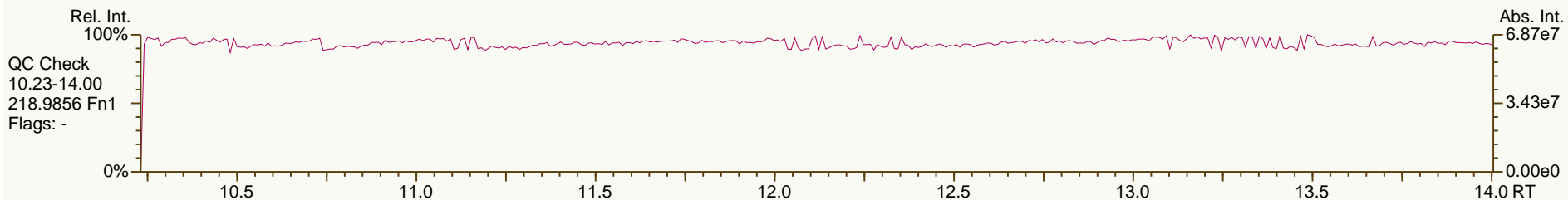
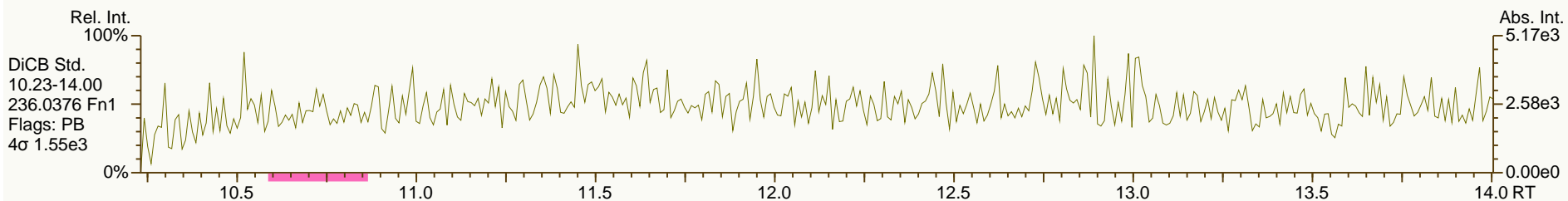
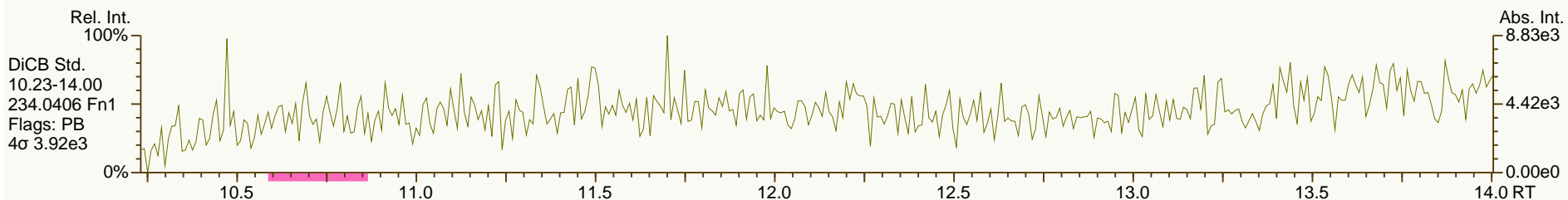
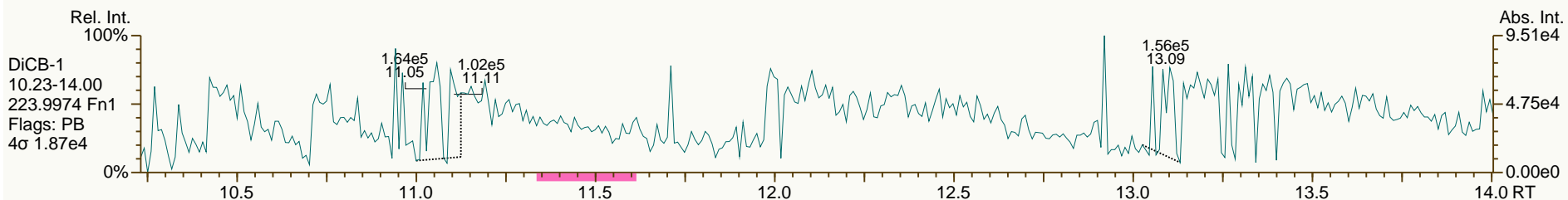
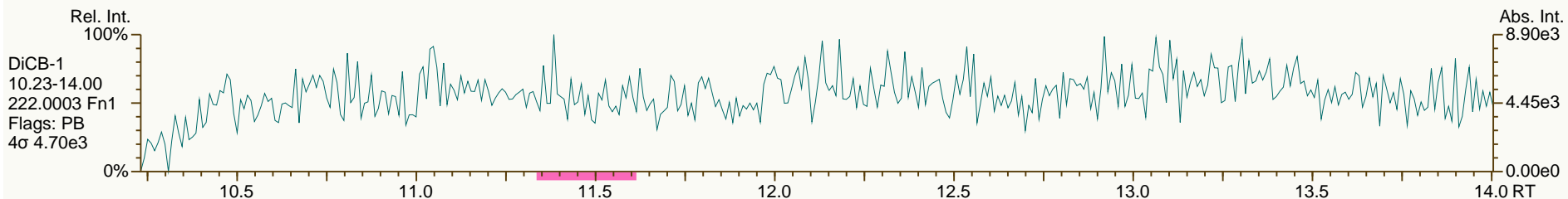
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SD
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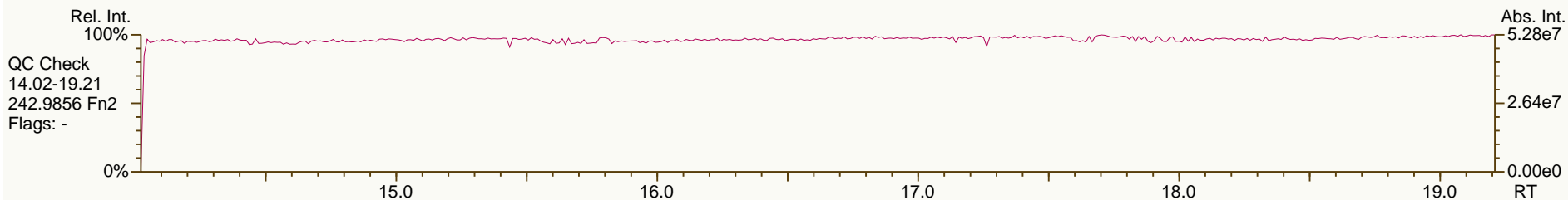
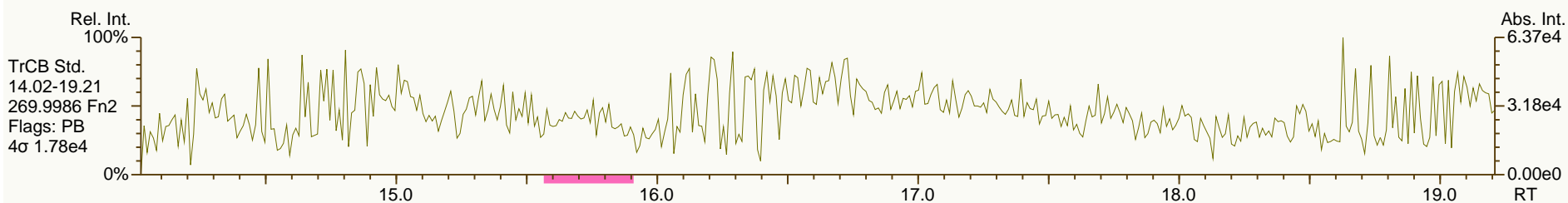
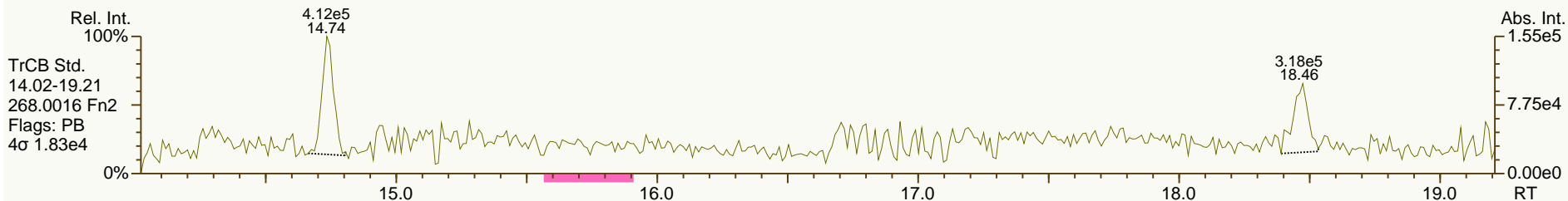
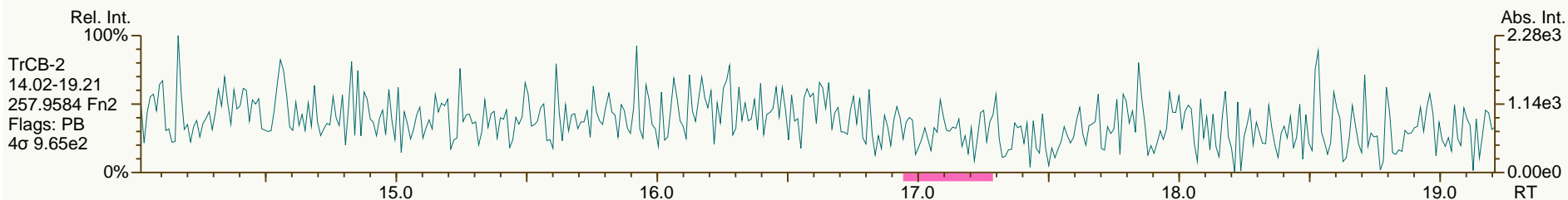
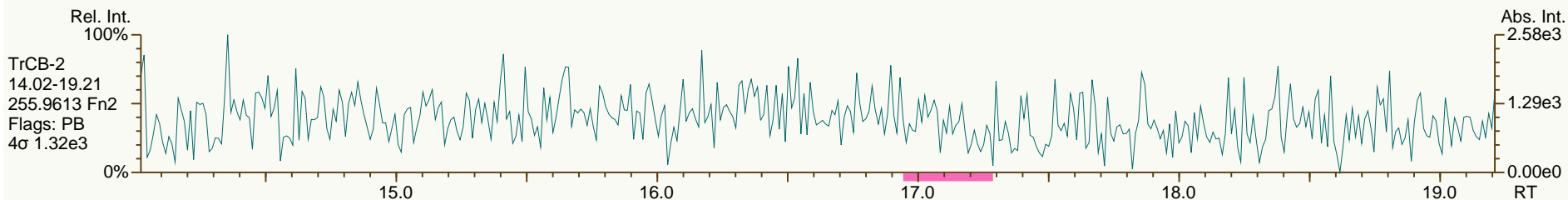
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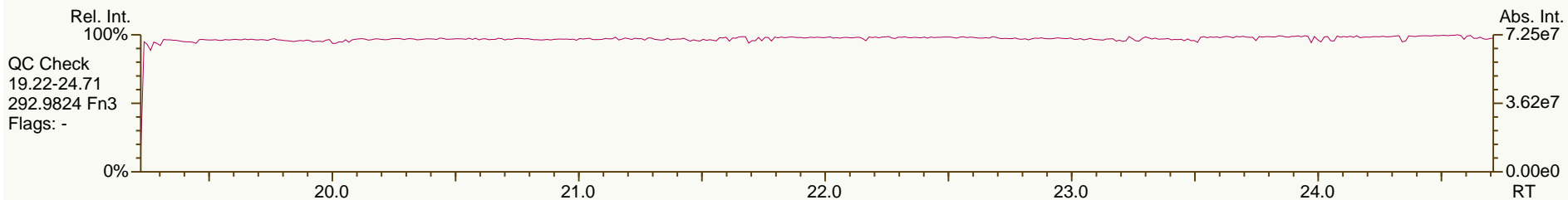
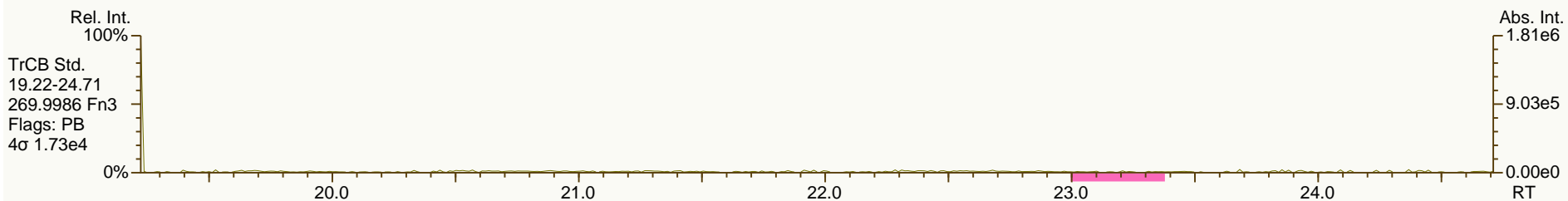
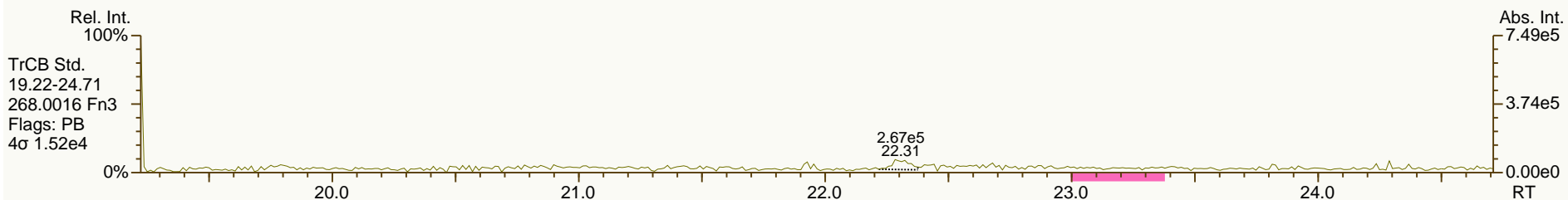
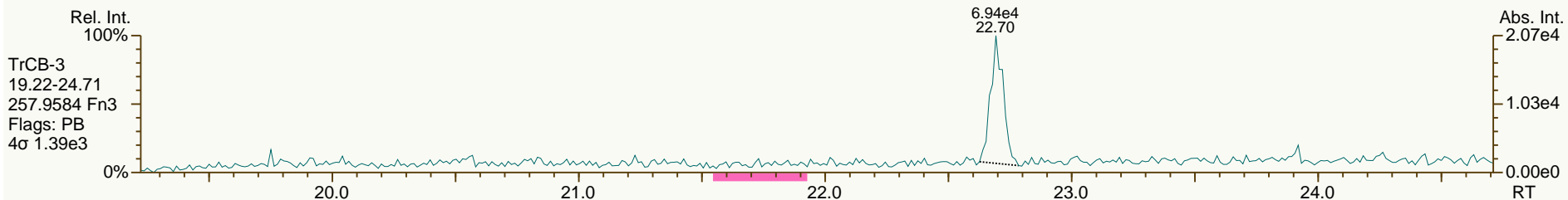
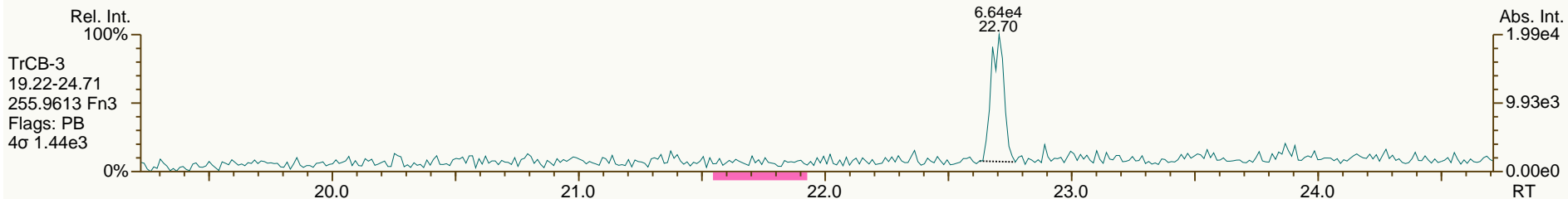
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AP Lab ID: SBS_120126_PCB_SD
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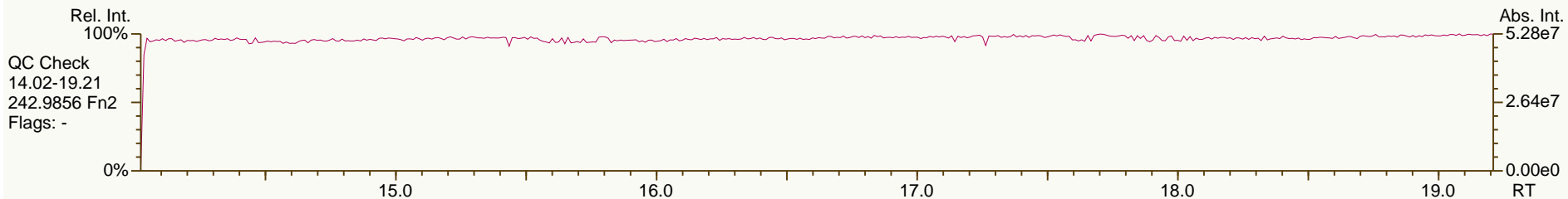
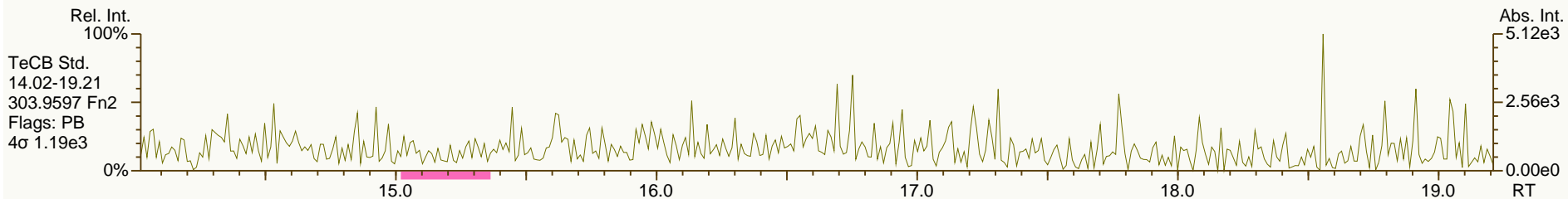
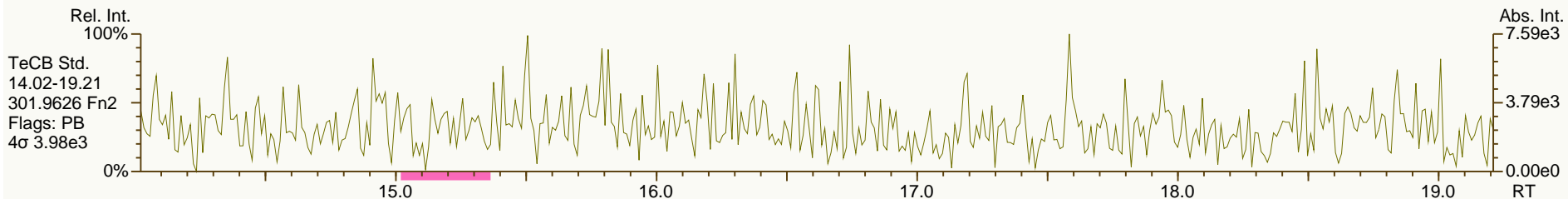
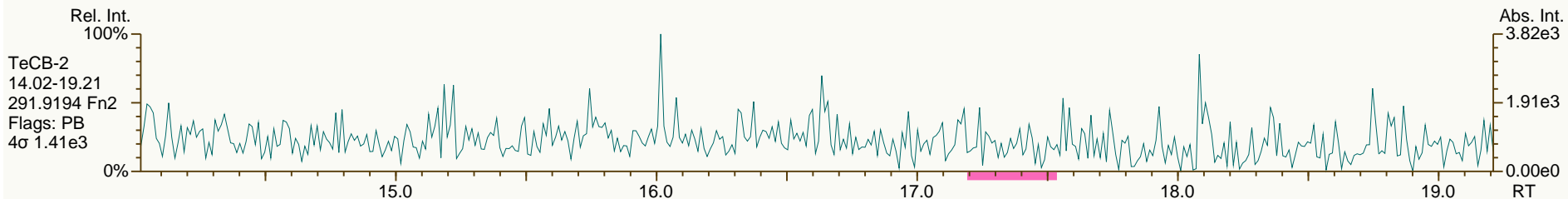
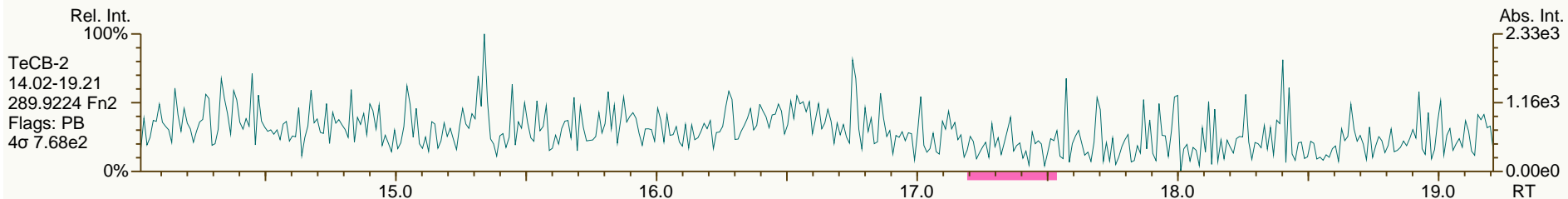
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AP Lab ID: SBS_120126_PCB_SD
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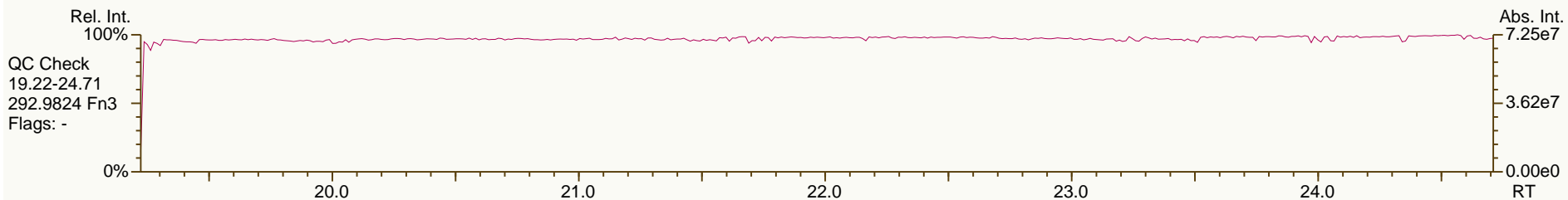
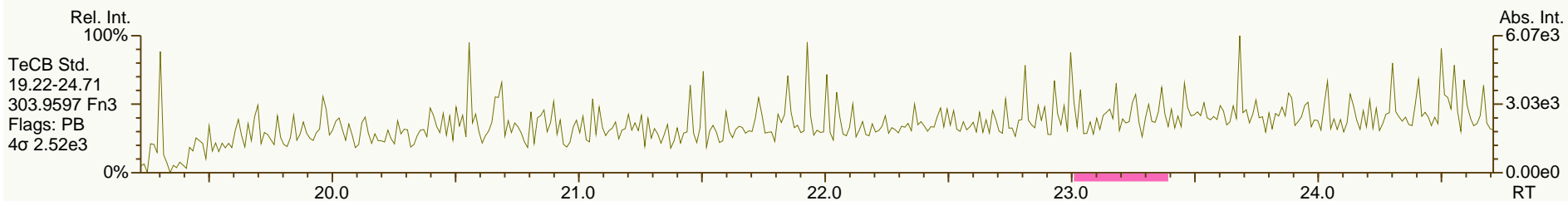
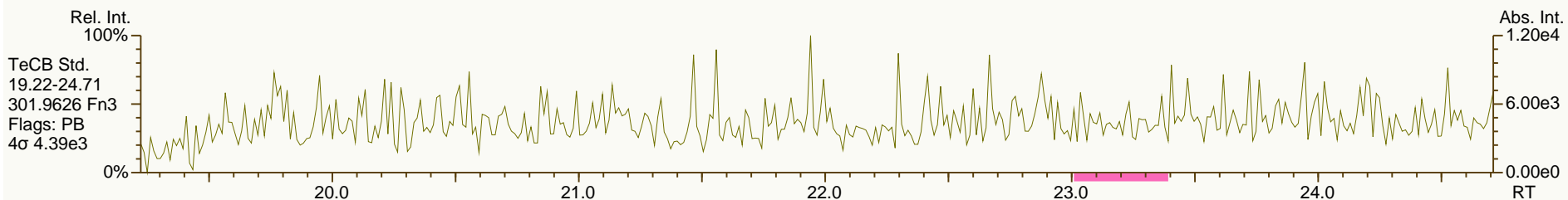
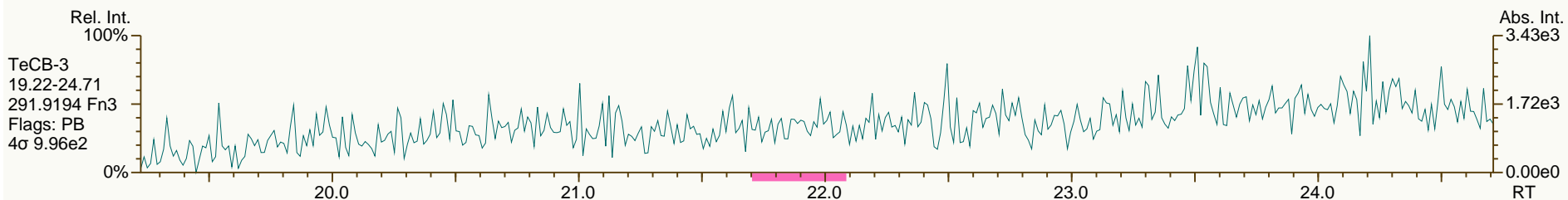
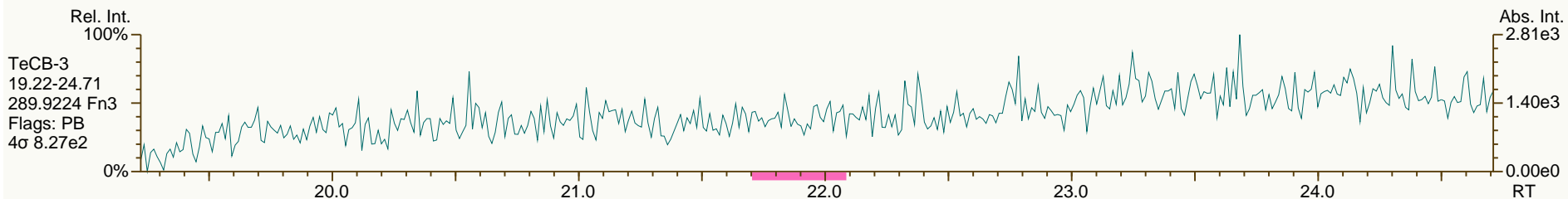
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AP Lab ID: SBS_120126_PCB_SD
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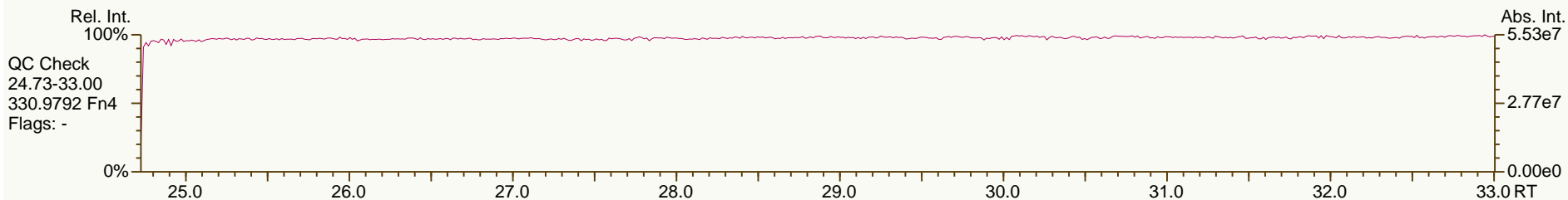
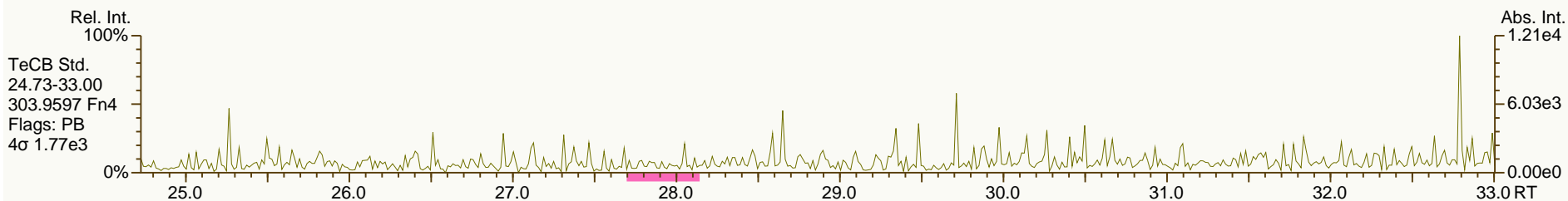
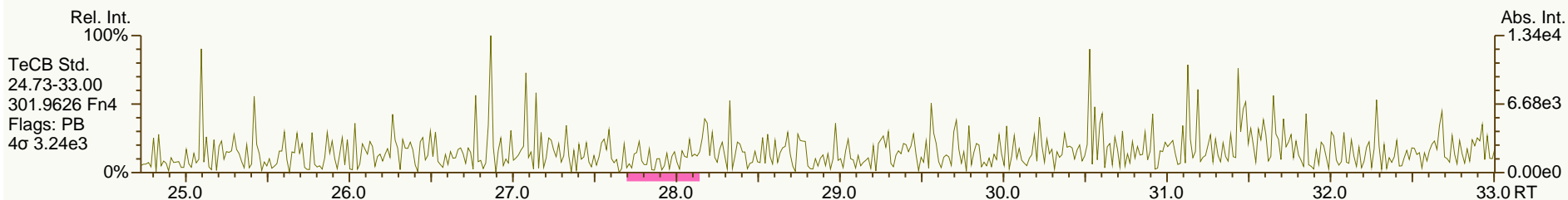
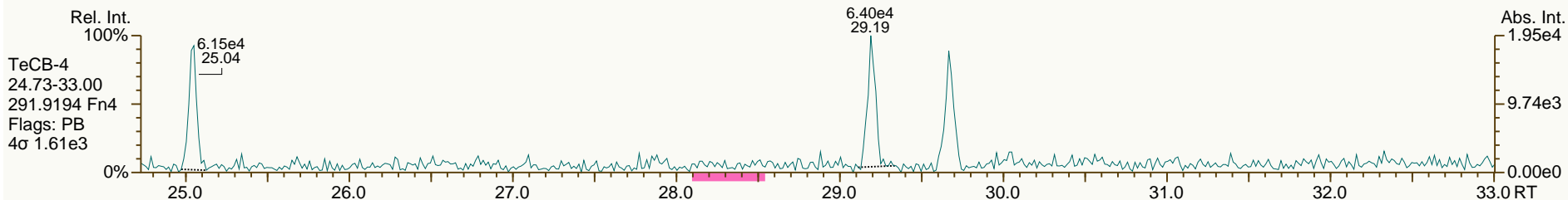
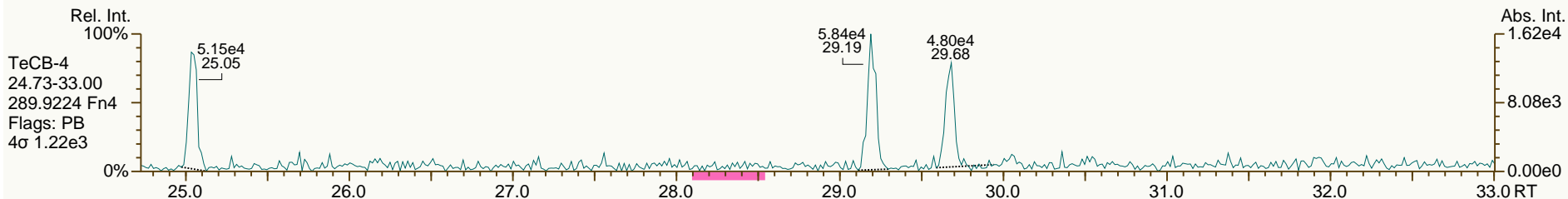
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AP Lab ID: SBS_120126_PCB_SD
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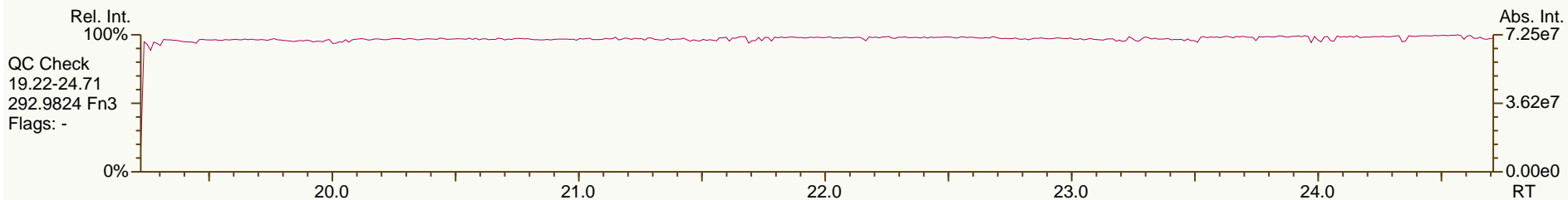
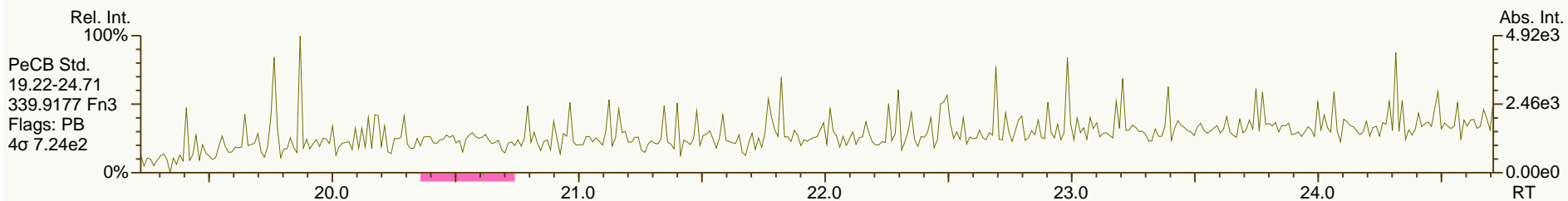
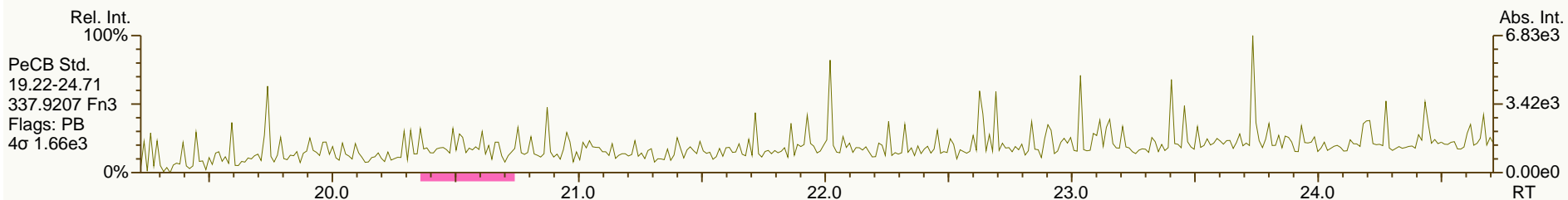
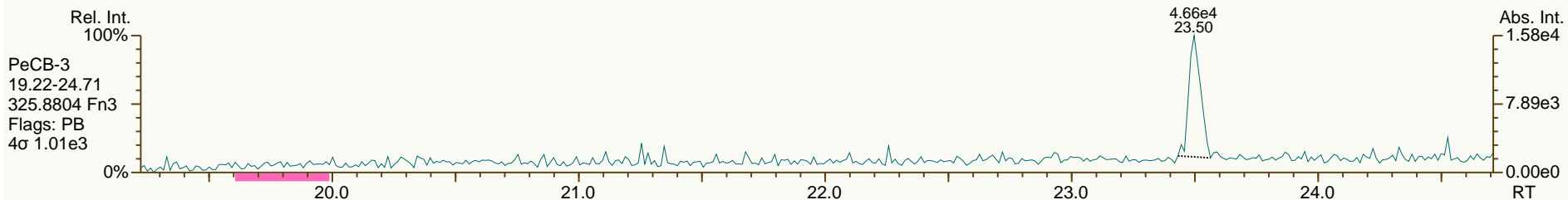
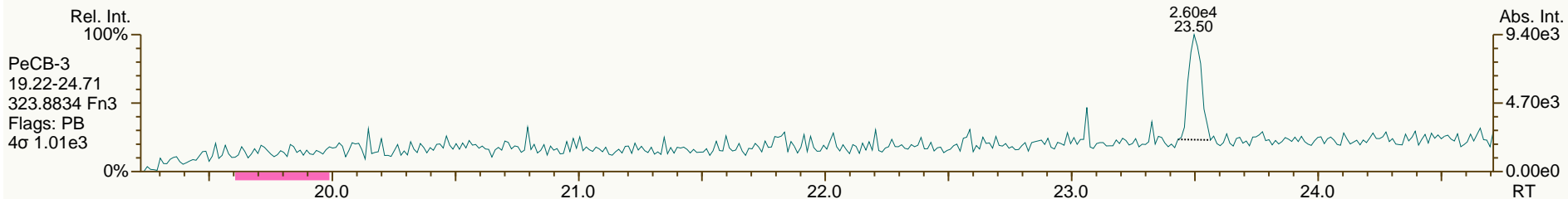
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AP Lab ID: SBS_120126_PCB_SD
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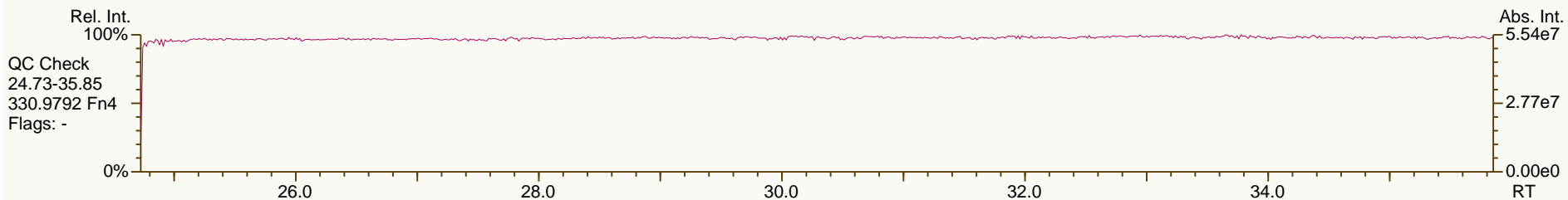
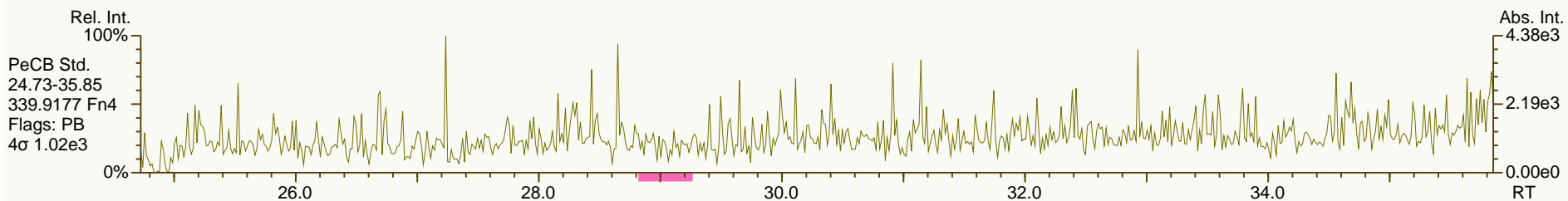
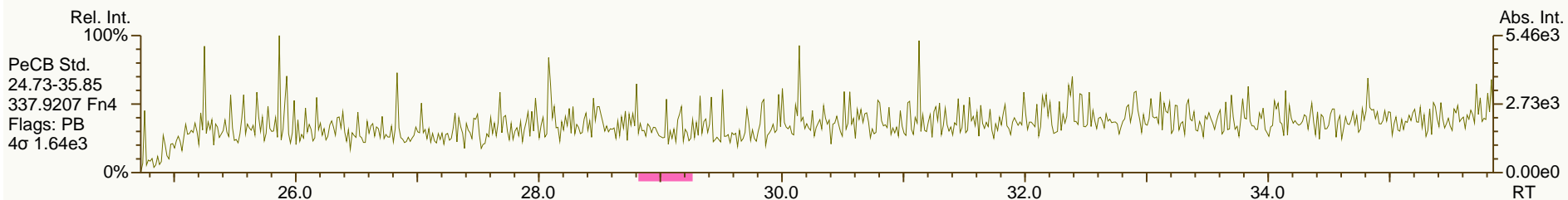
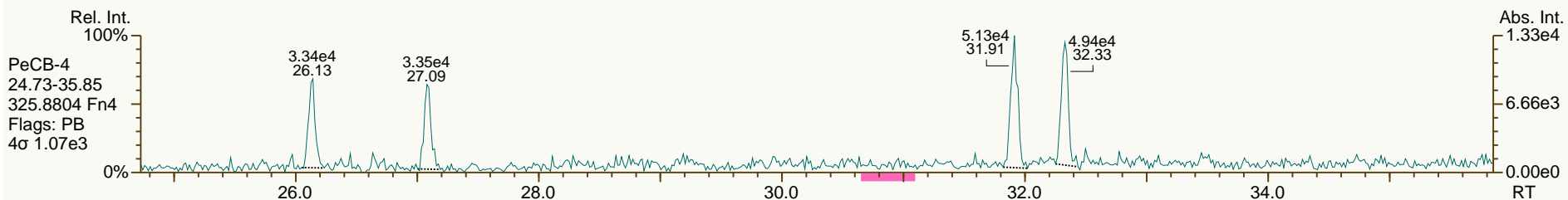
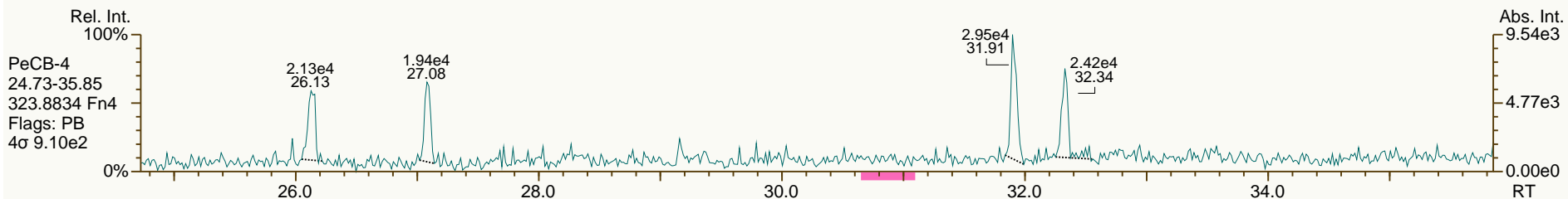
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AP Lab ID: SBS_120126_PCB_SD
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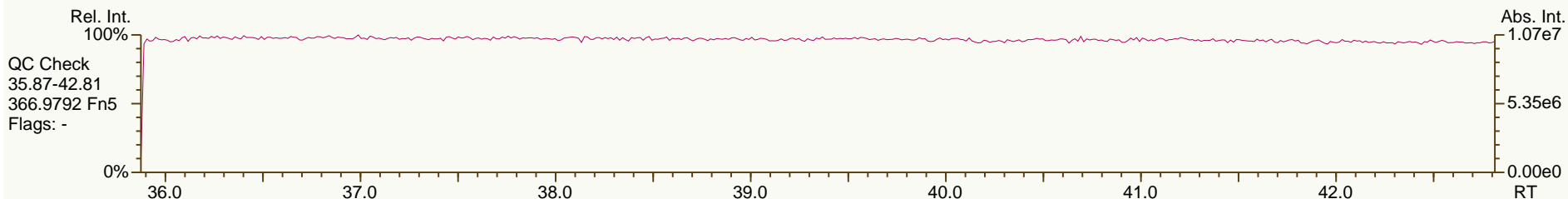
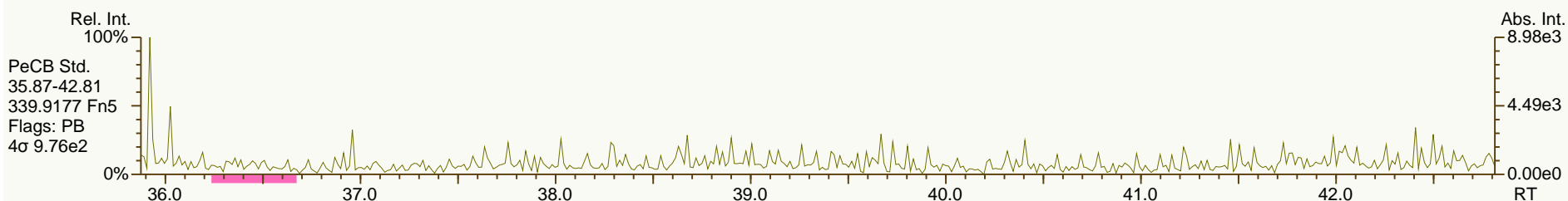
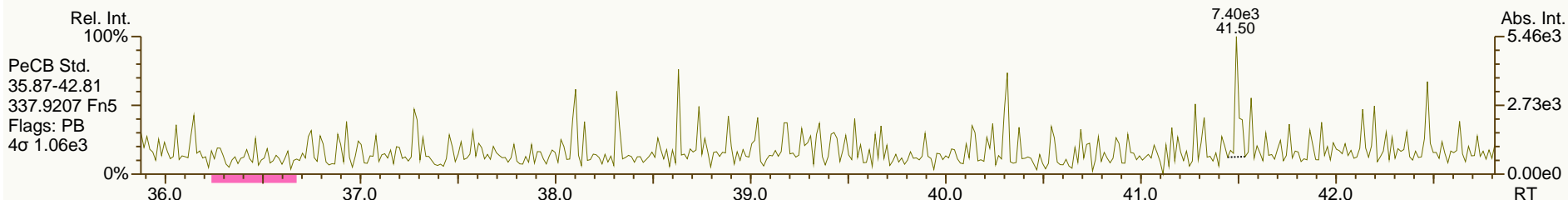
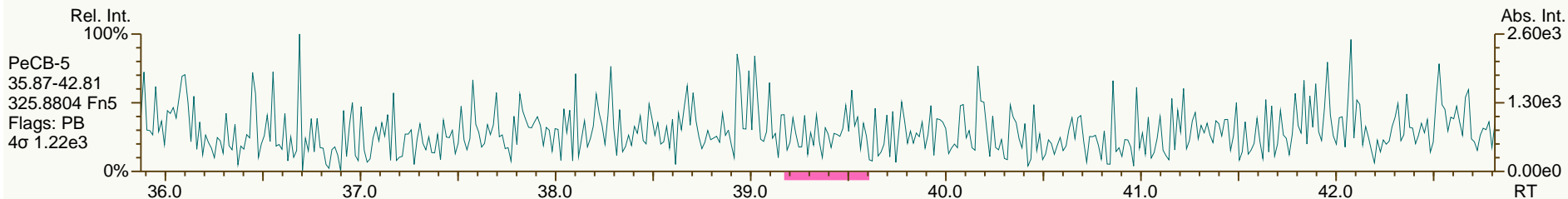
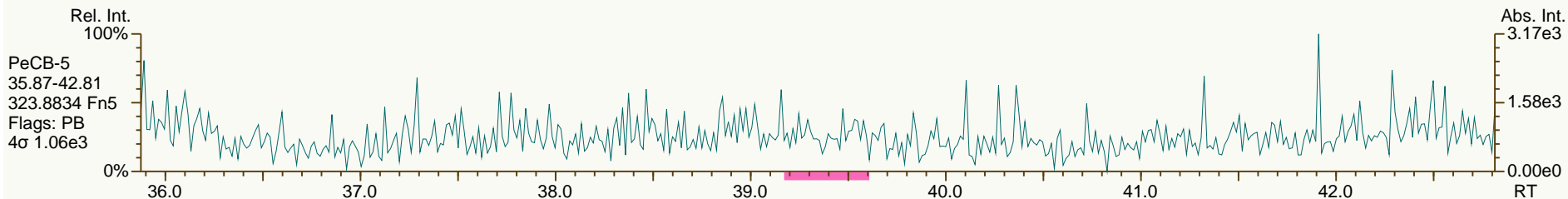
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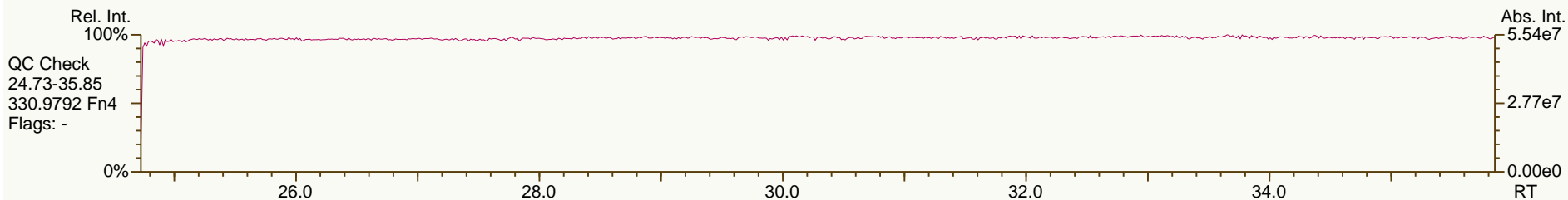
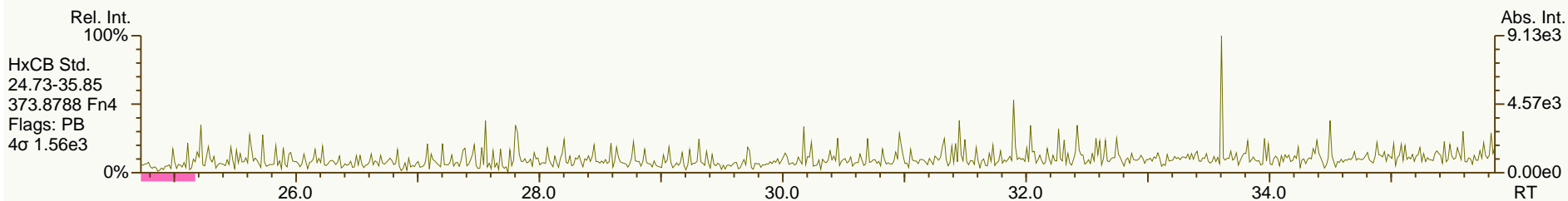
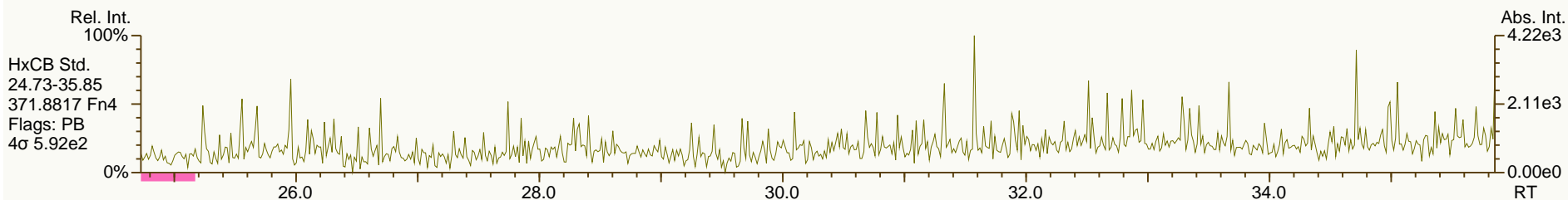
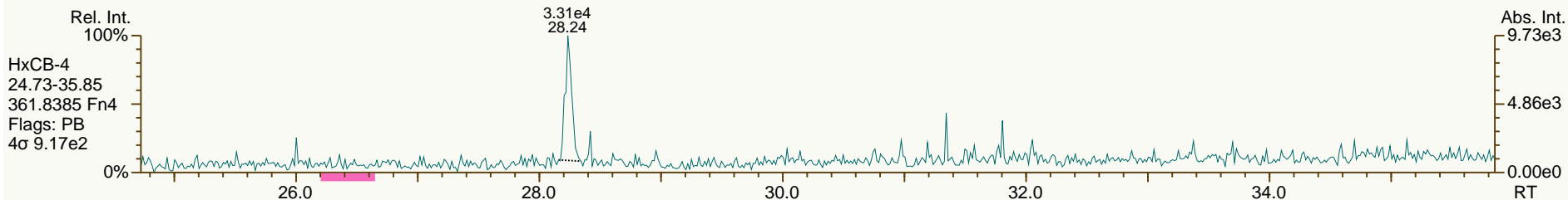
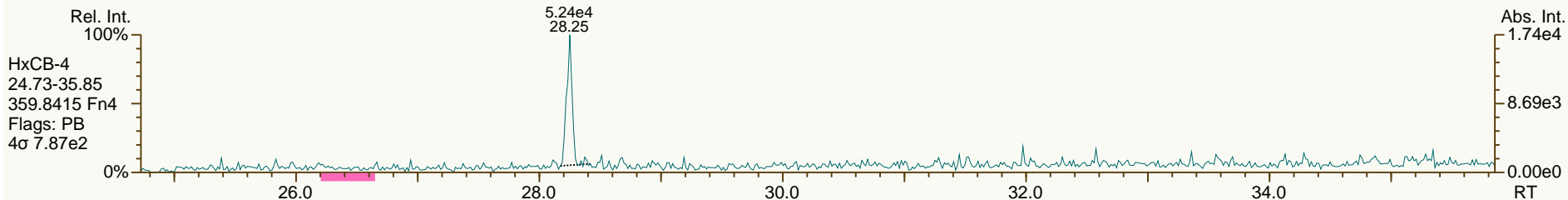
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Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

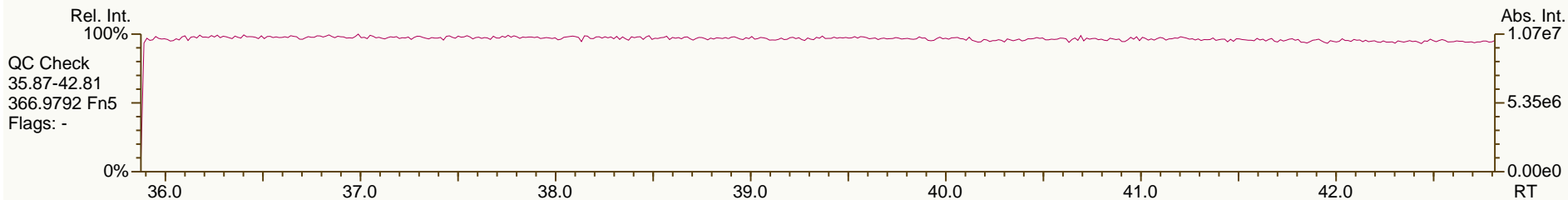
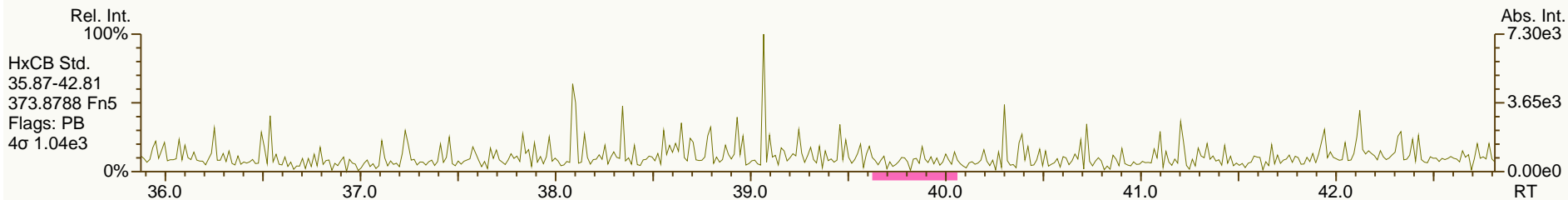
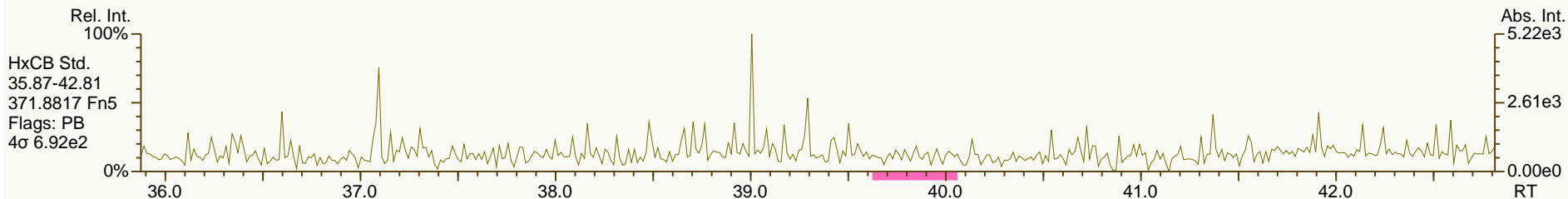
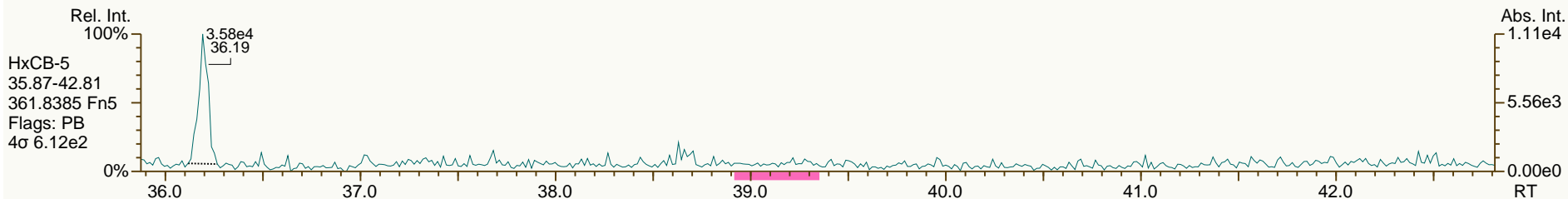
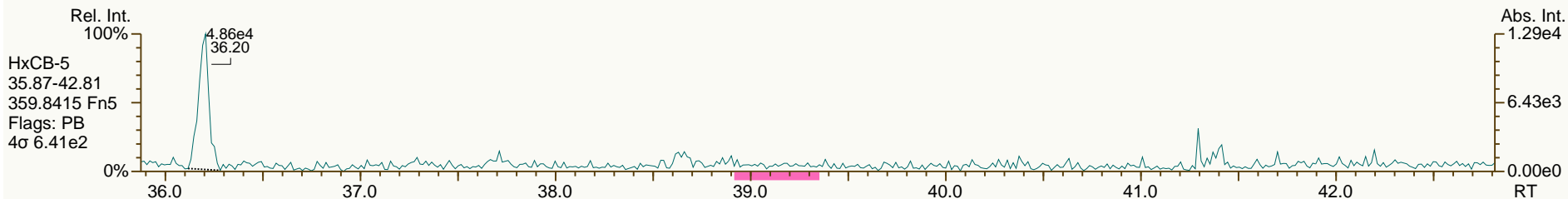
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

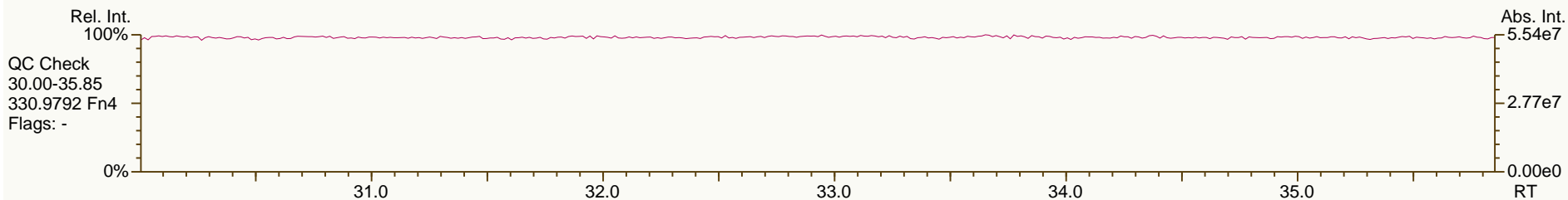
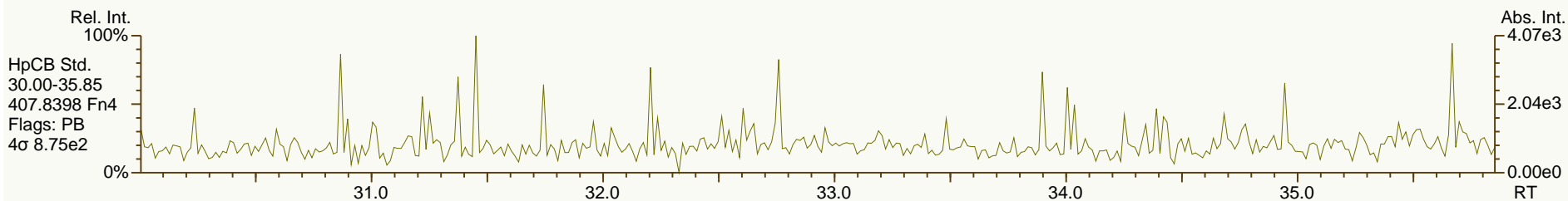
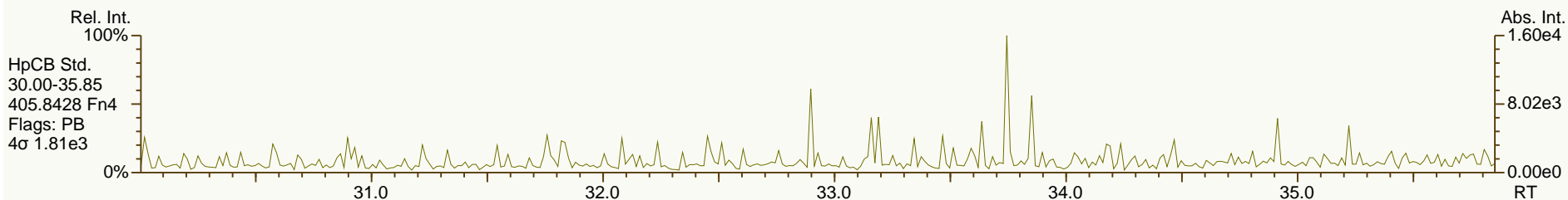
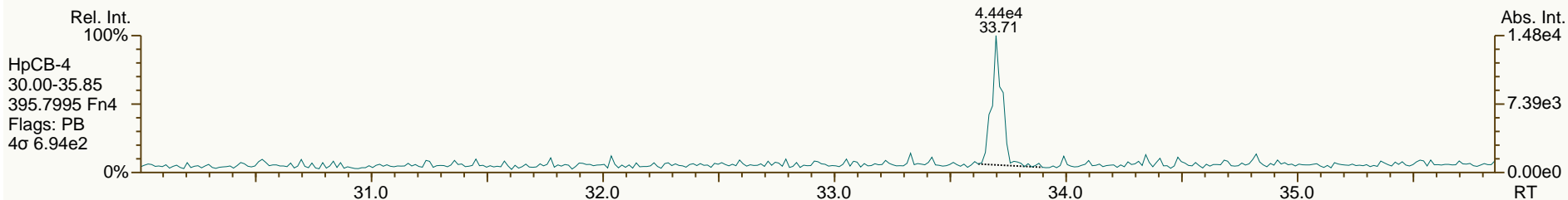
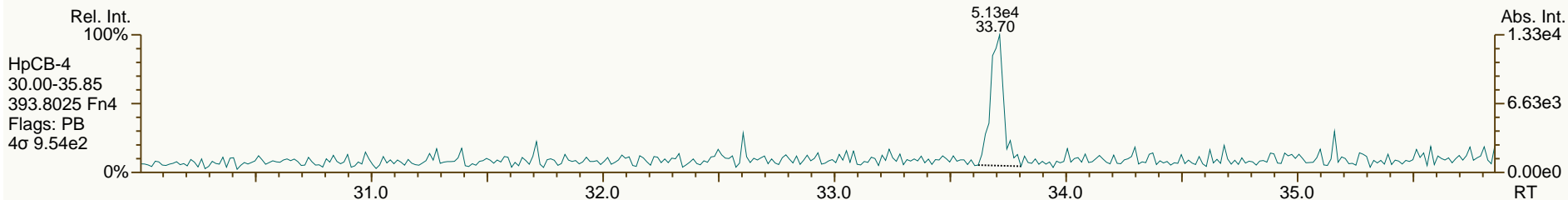
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

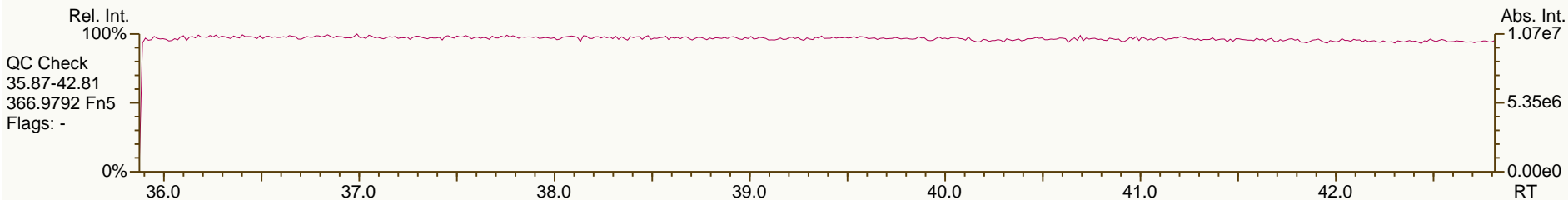
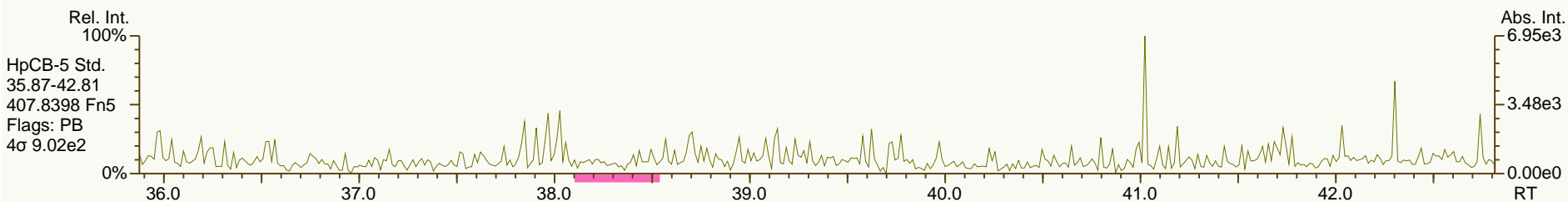
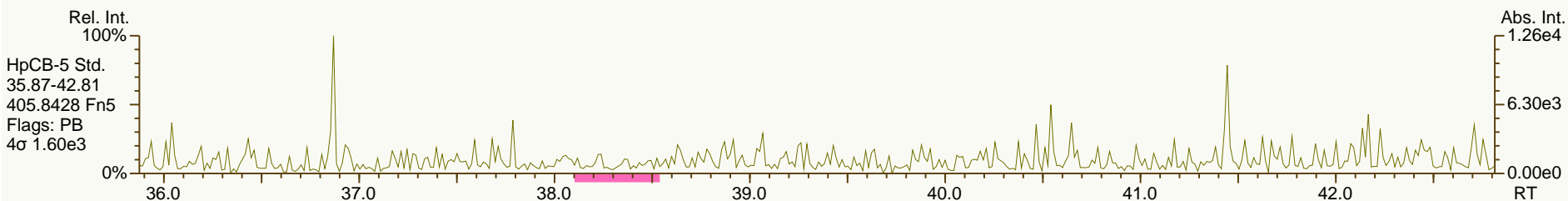
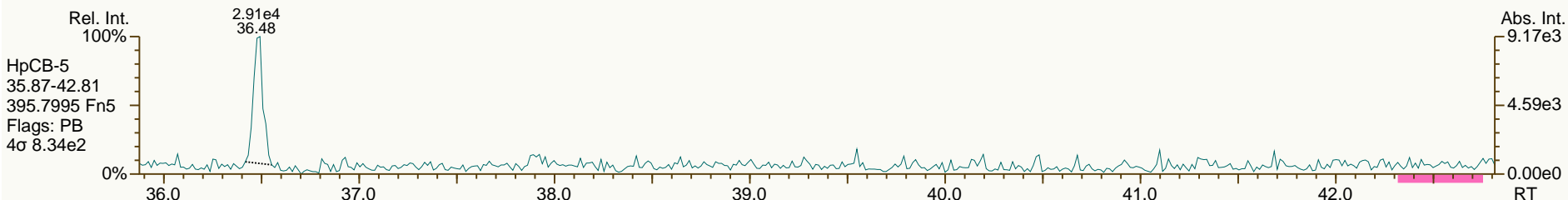
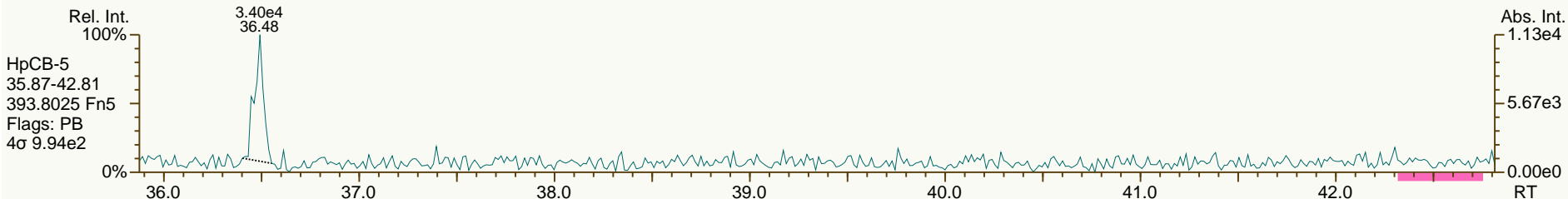
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

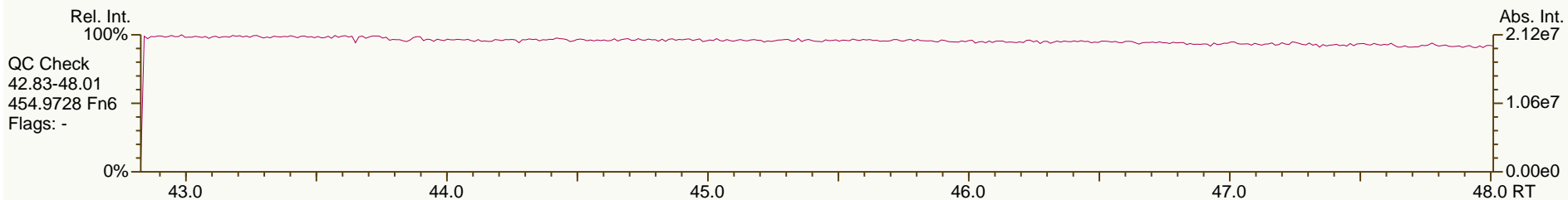
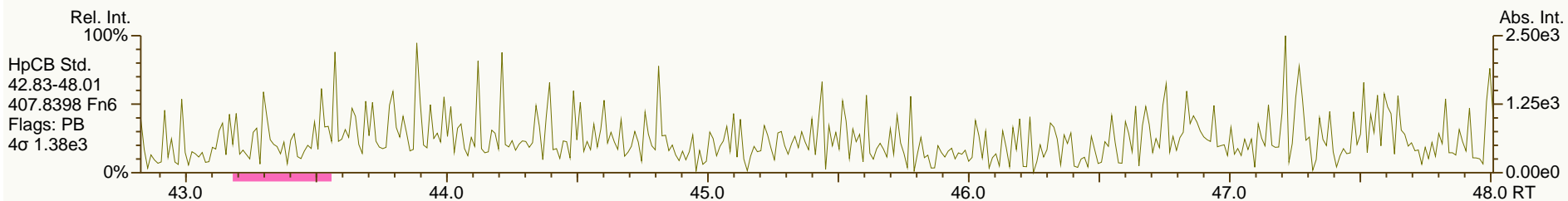
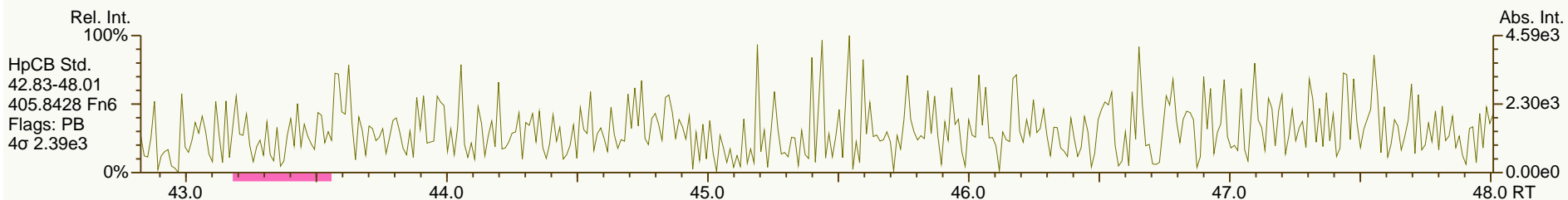
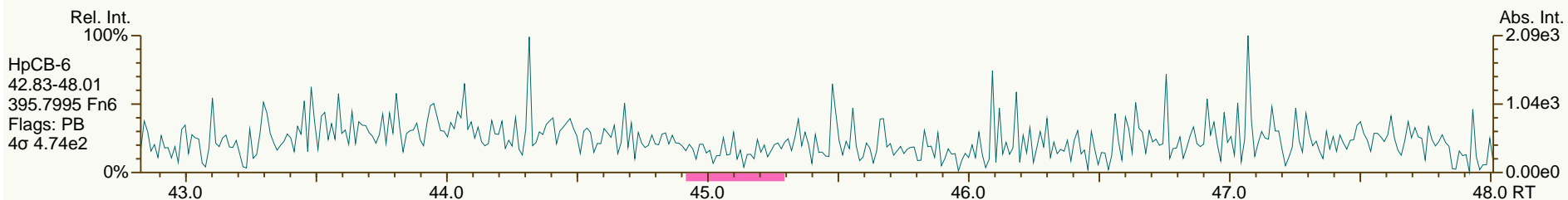
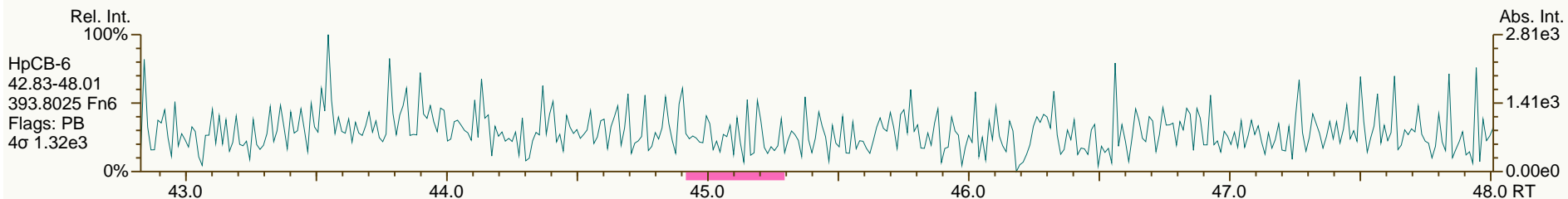
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

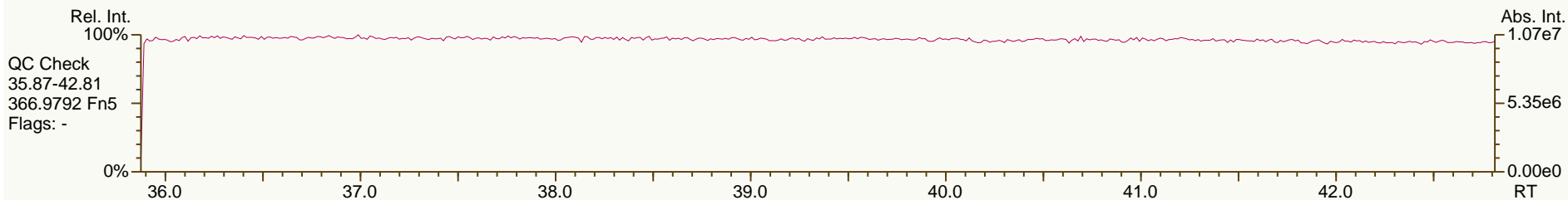
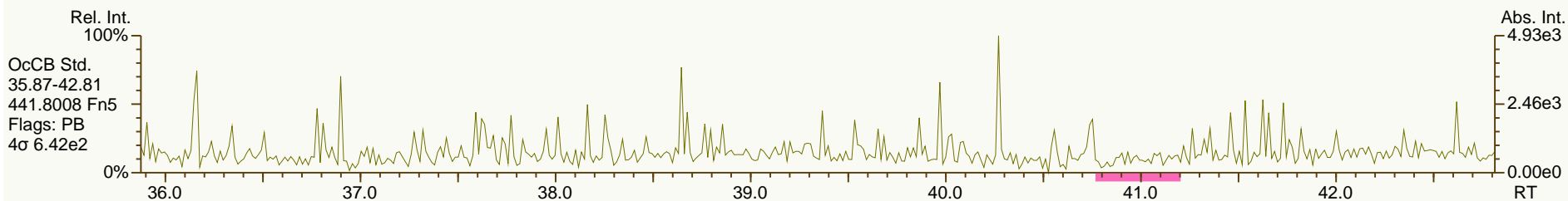
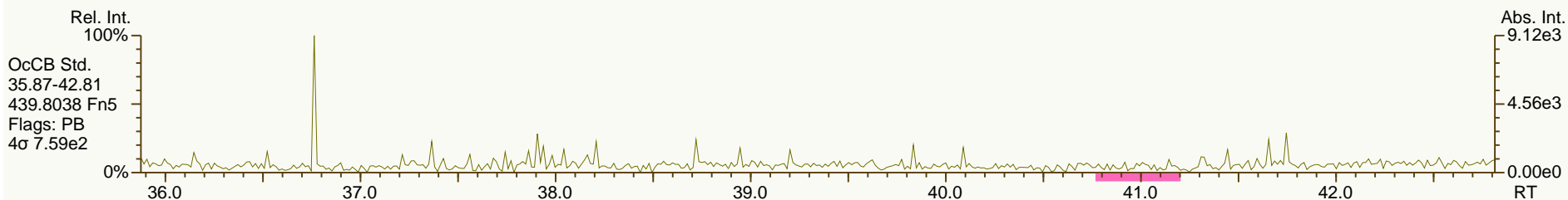
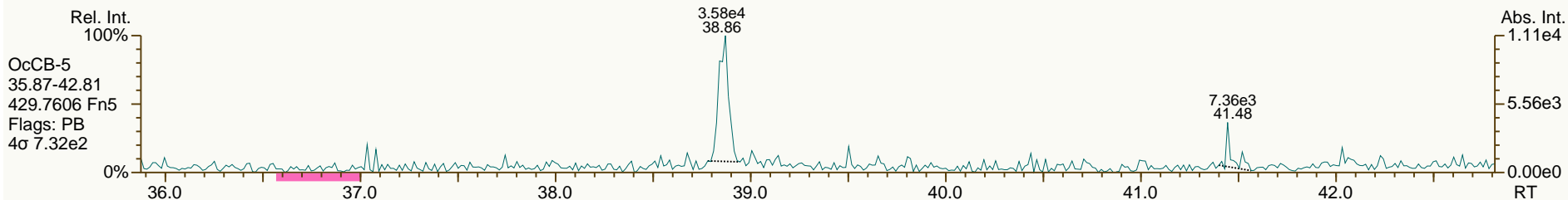
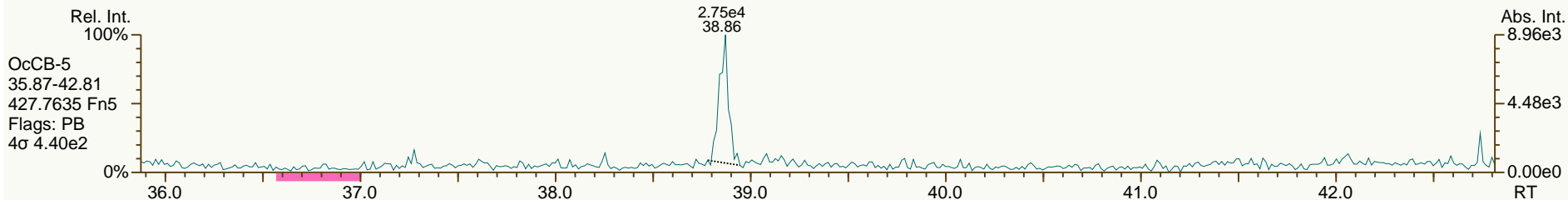
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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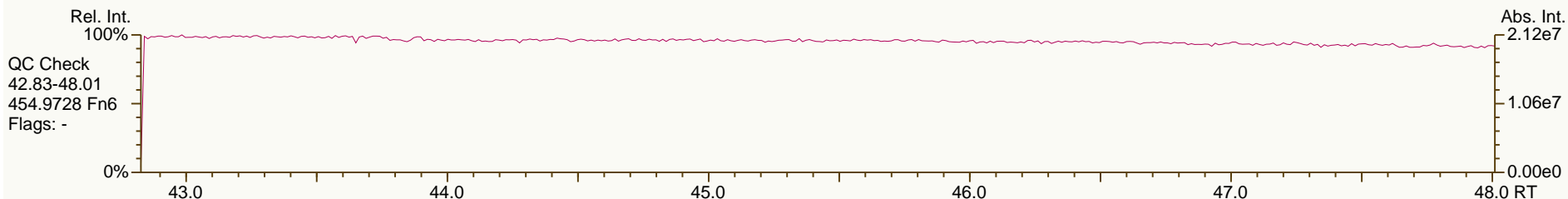
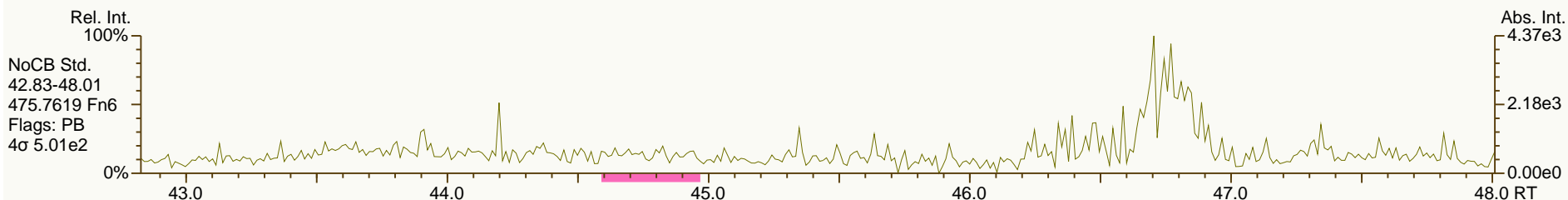
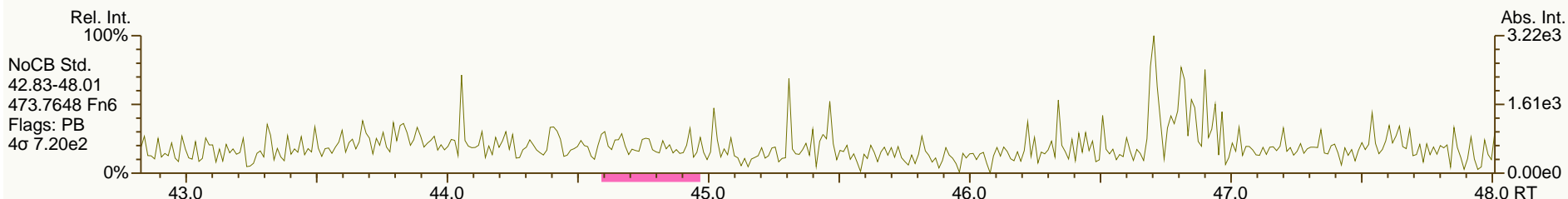
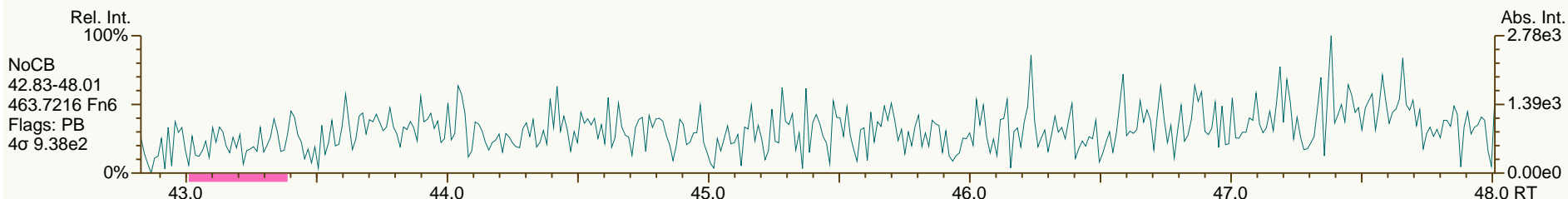
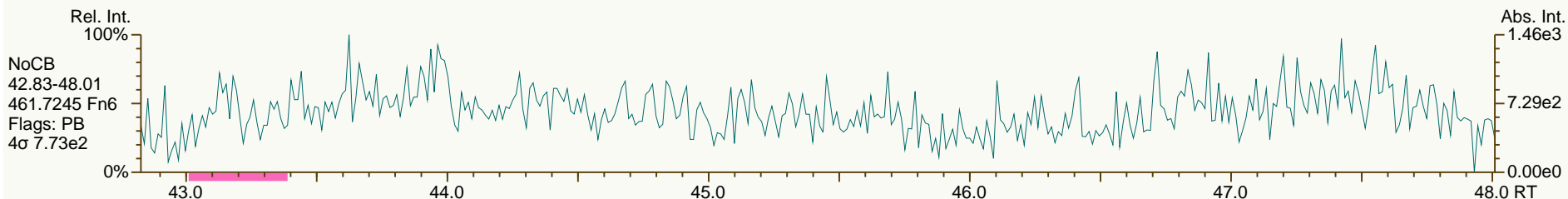
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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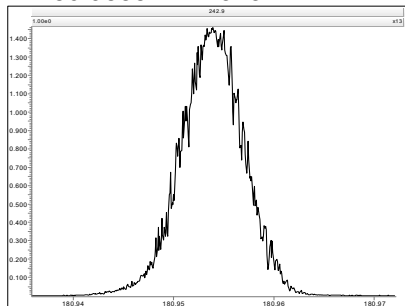
Experiment Calibration Report

MassLynx 4.1

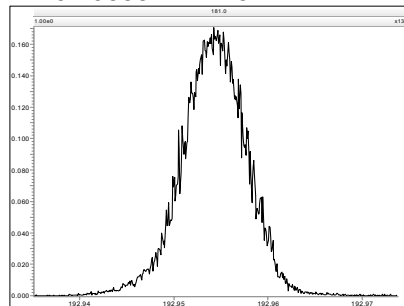
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Printed: Thursday, January 26, 2012 15:11:21 Eastern Standard Time

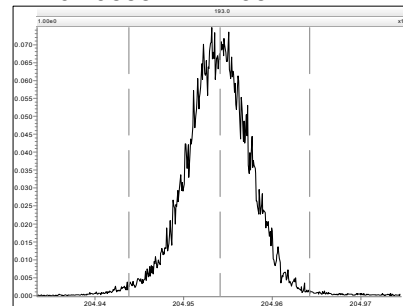
M 180.9888 R 12375



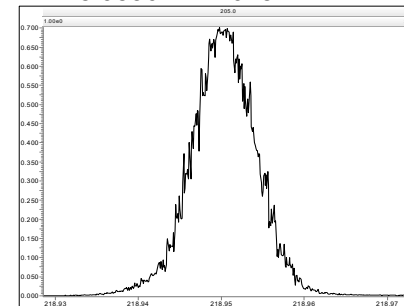
M 192.9888 R 12131



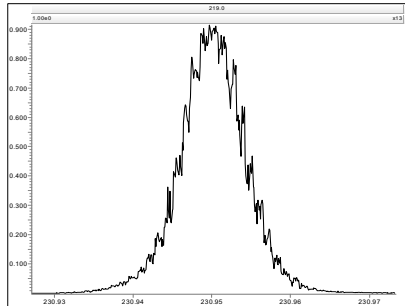
M 204.9888 R 11738



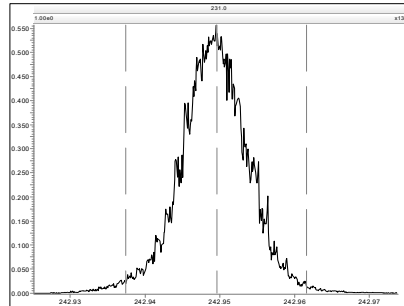
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



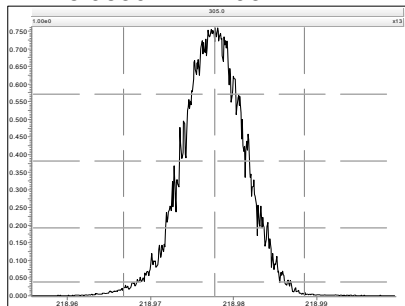
Experiment Calibration Report

MassLynx 4.1

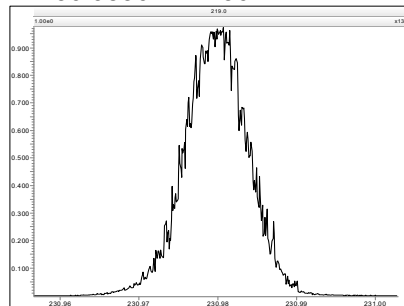
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Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

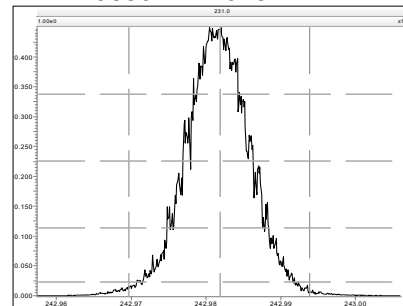
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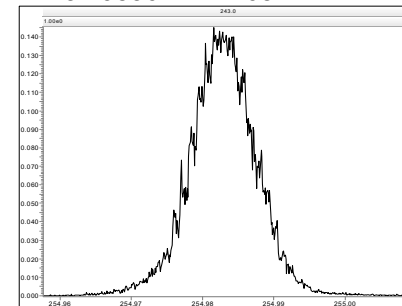
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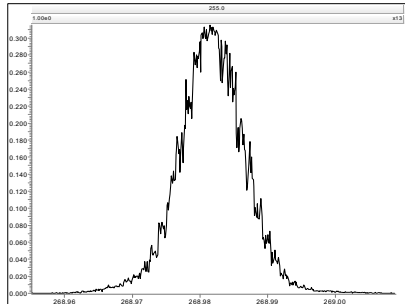
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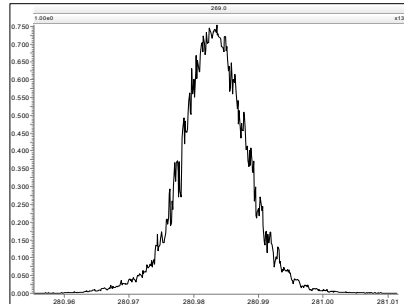
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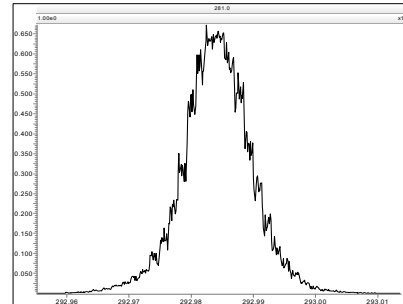
M 268.9824 R 11626



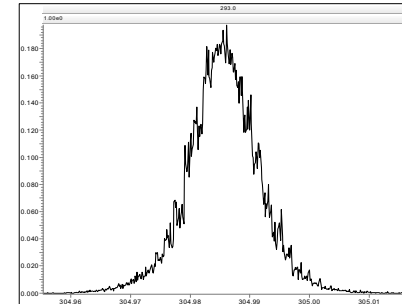
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



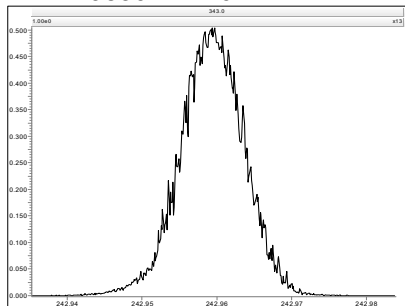
Experiment Calibration Report

MassLynx 4.1

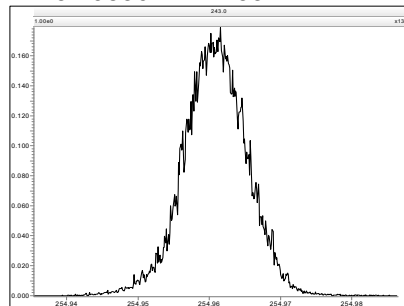
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Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

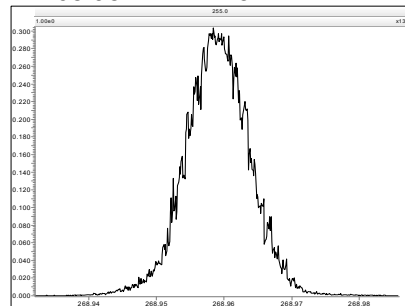
M 242.9856 R 12624



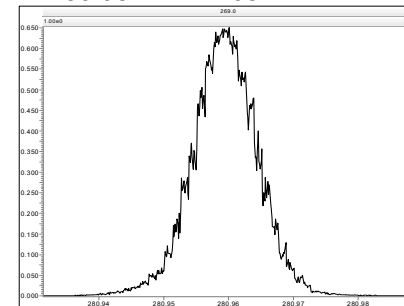
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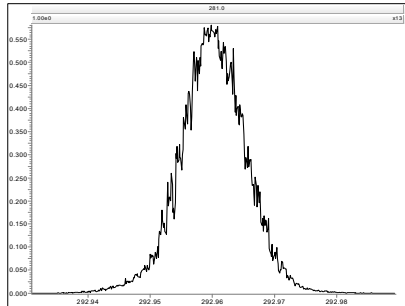
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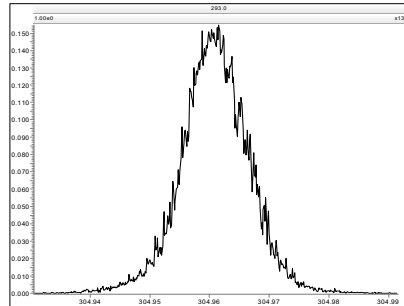
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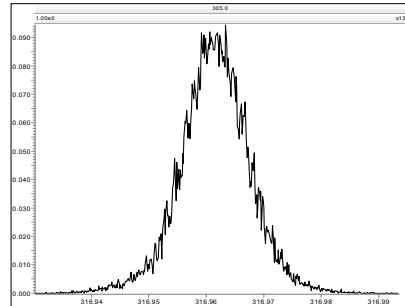
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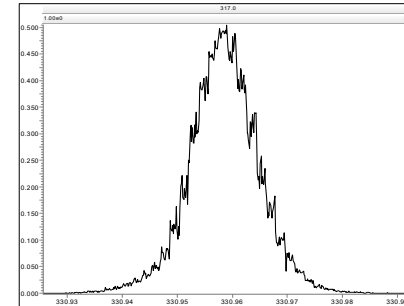
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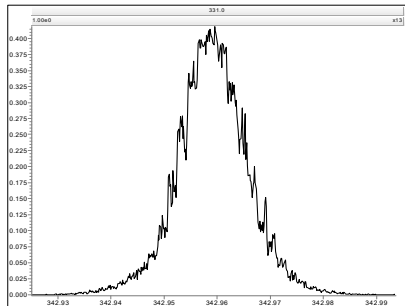
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



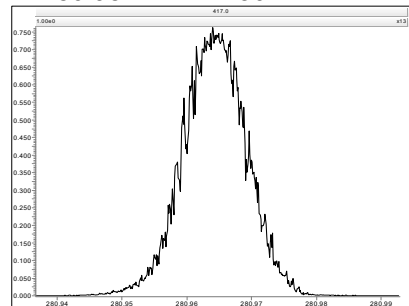
Experiment Calibration Report

MassLynx 4.1

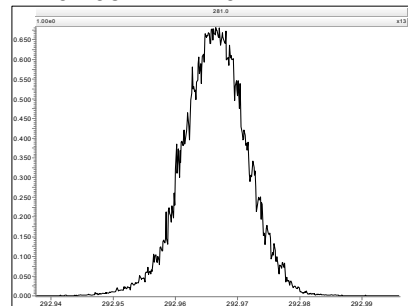
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Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

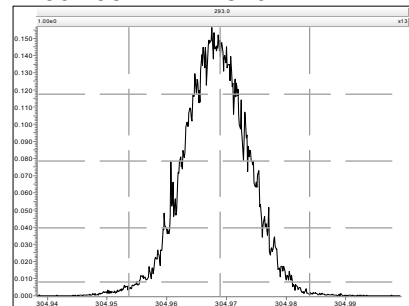
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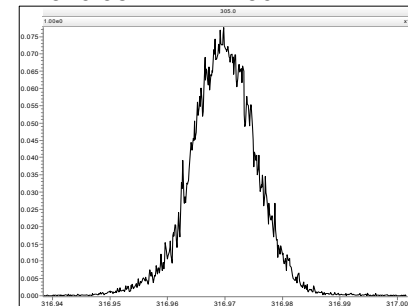
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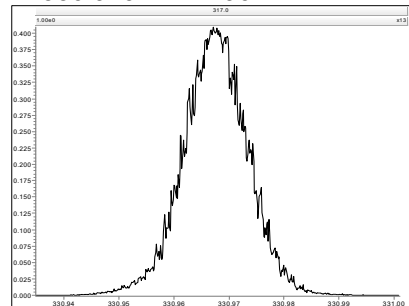
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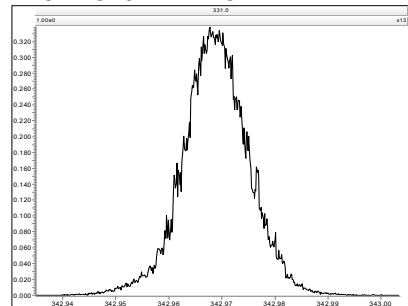
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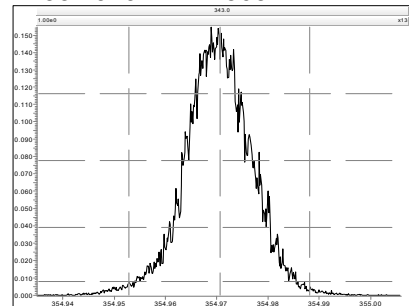
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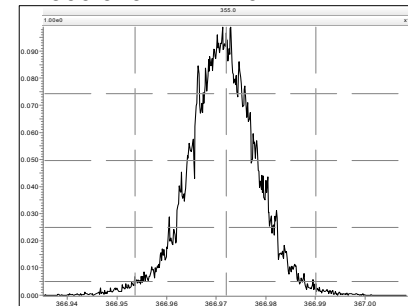
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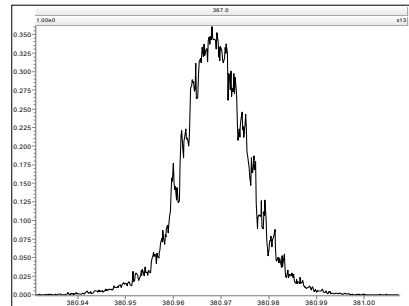
M 354.9792 R 11365



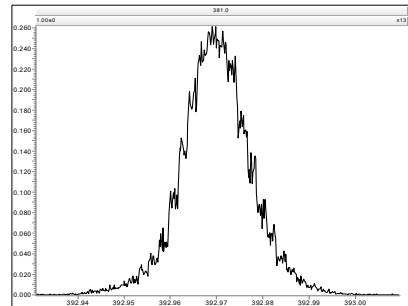
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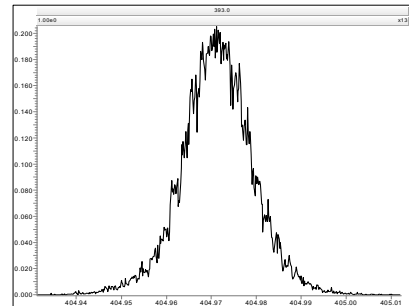
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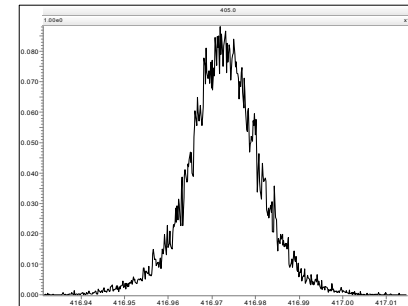
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



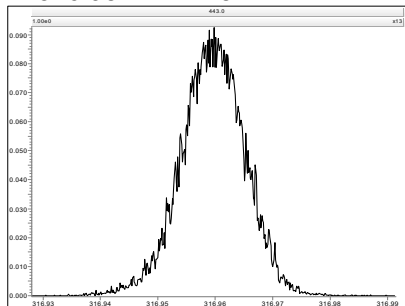
Experiment Calibration Report

MassLynx 4.1

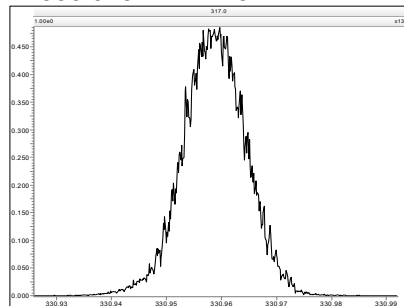
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Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

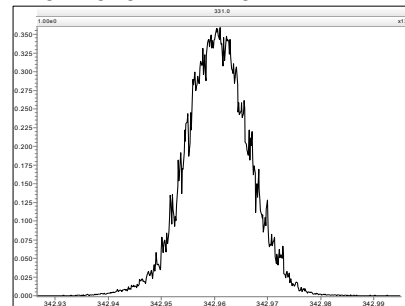
M 316.9824 R 12821



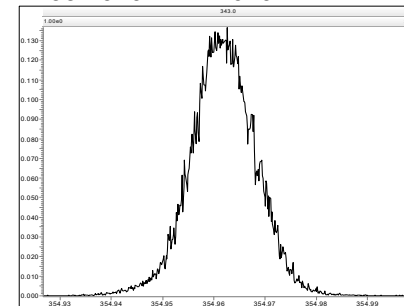
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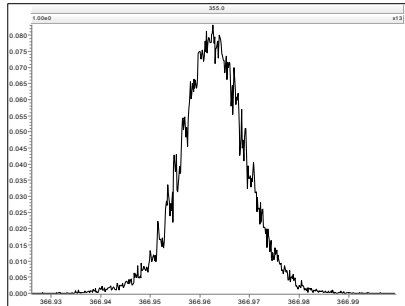
M 342.9792 R 12497



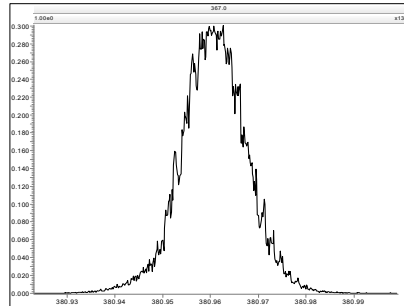
M 354.9792 R 11629



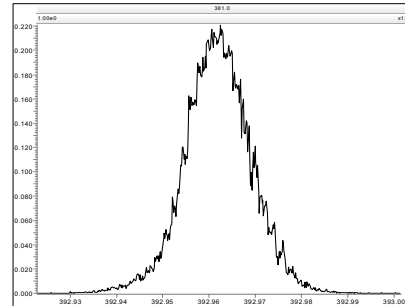
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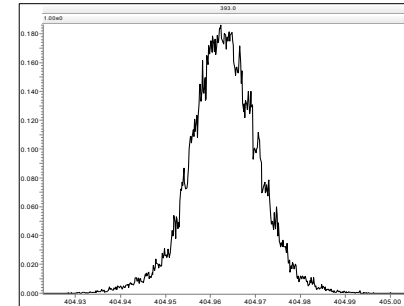
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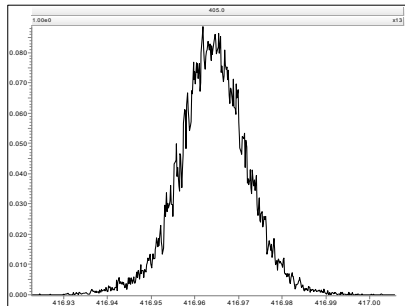
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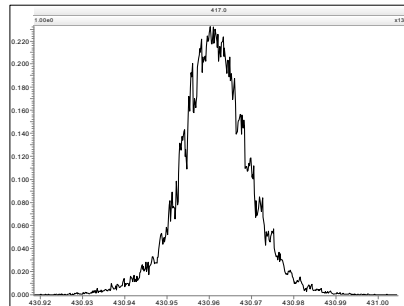
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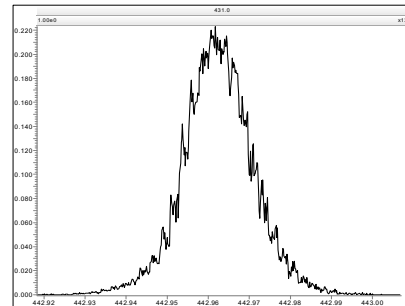
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



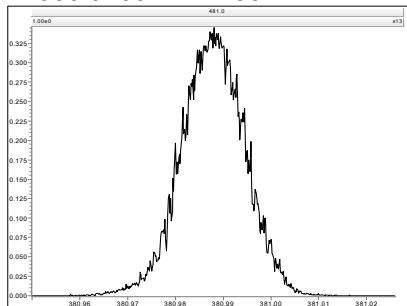
Experiment Calibration Report

MassLynx 4.1

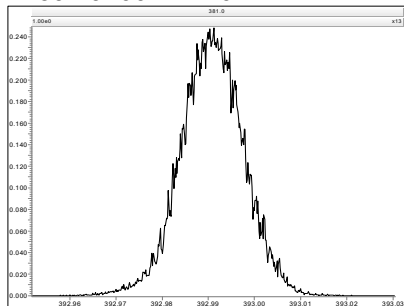
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

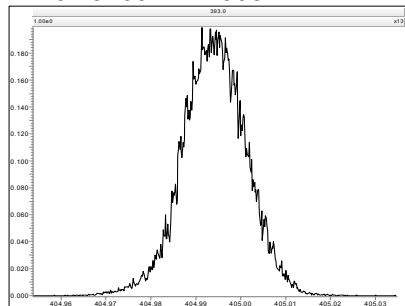
M 380.9760 R 12499



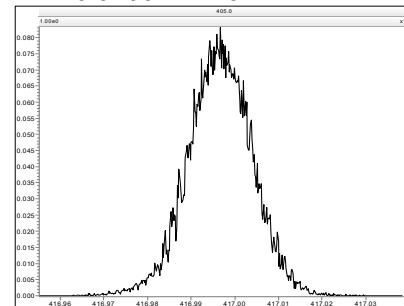
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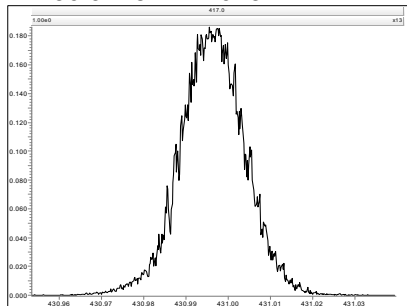
M 404.9760 R 11905



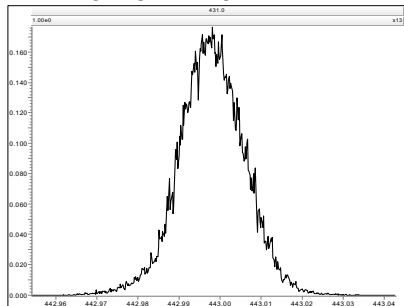
M 416.9760 R 12314



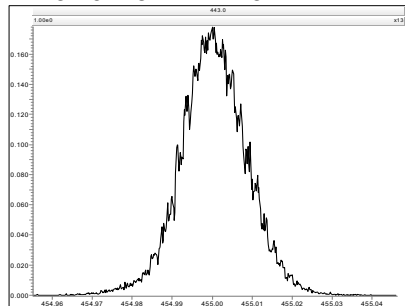
M 430.9728 R 12075



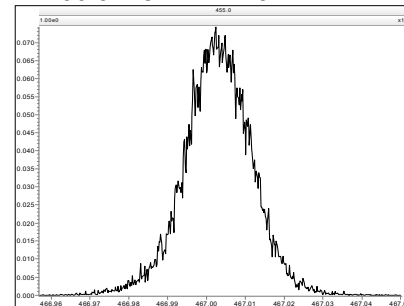
M 442.9728 R 11574



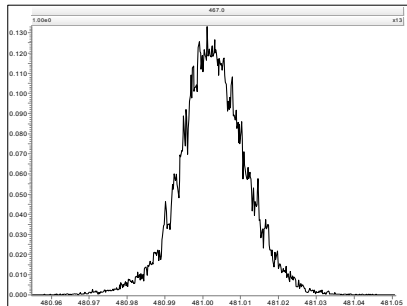
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



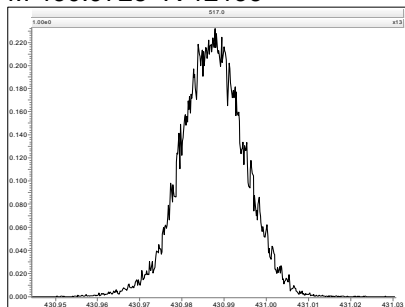
Experiment Calibration Report

MassLynx 4.1

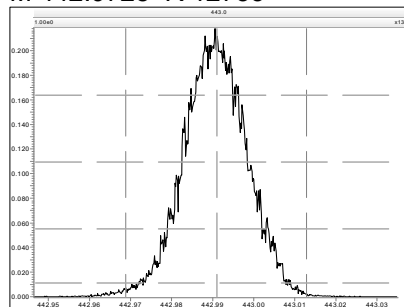
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

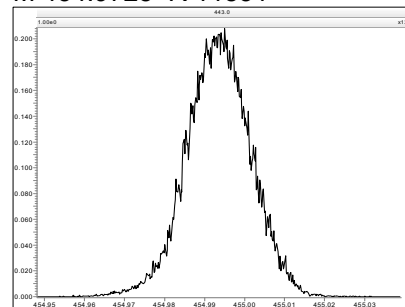
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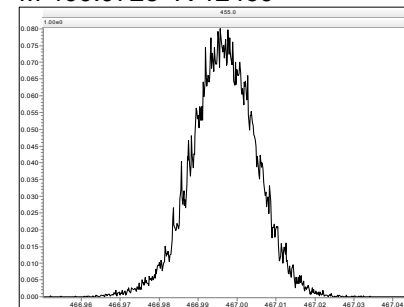
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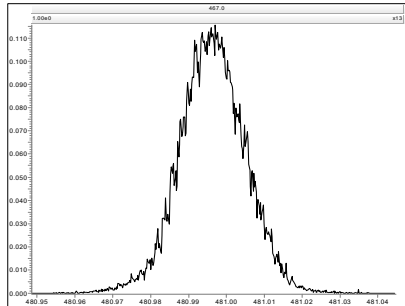
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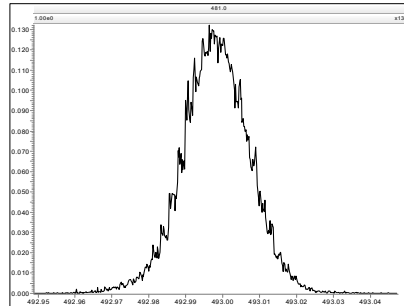
M 466.9728 R 12439



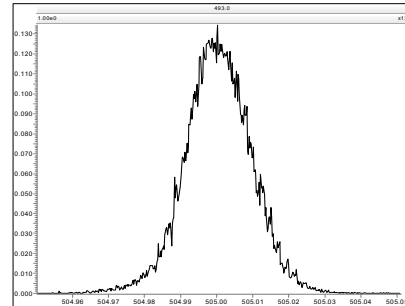
M 480.9696 R 11849



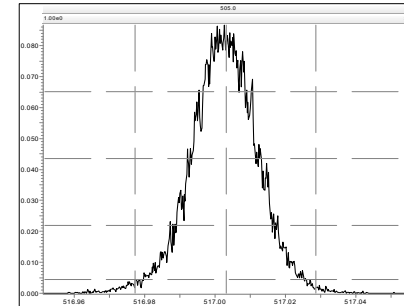
M 492.9696 R 11792



M 504.9696 R 11469



M 516.9697 R 11306

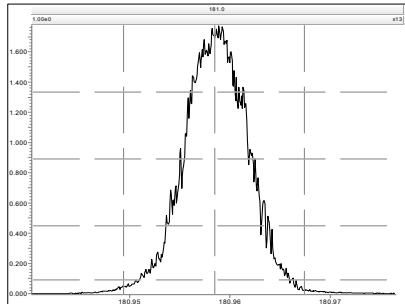


Resolution Check Report

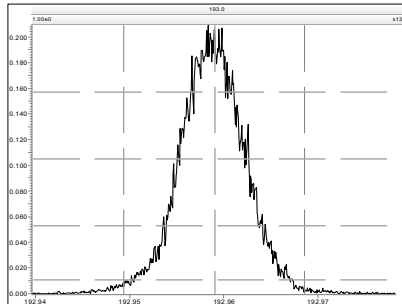
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

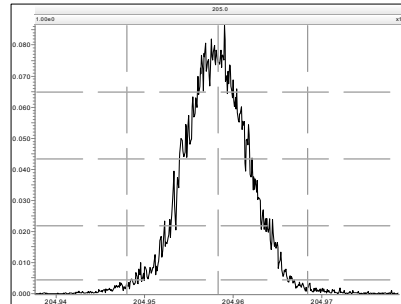
M 180.9888 R 12165



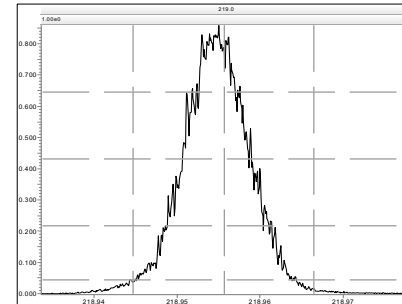
M 192.9888 R 11627



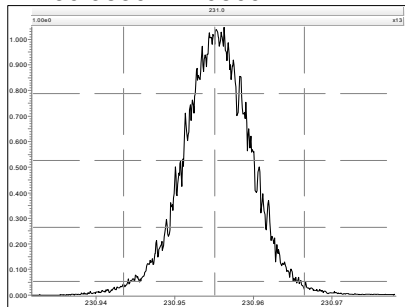
M 204.9888 R 11926



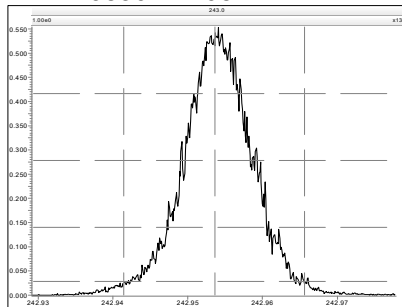
M 218.9856 R 11547



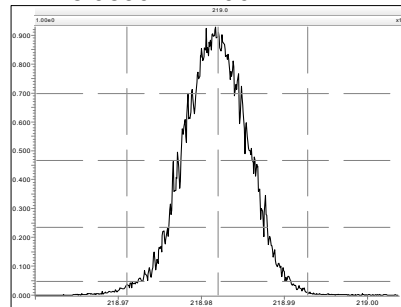
M 230.9856 R 10869



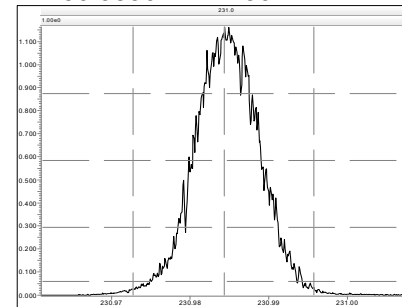
M 242.9856 R 10827



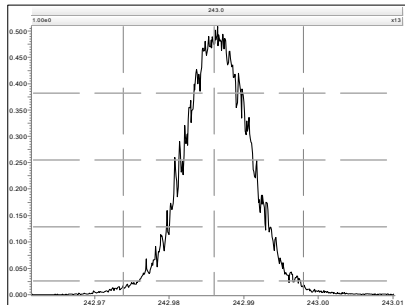
M 218.9856 R 11962



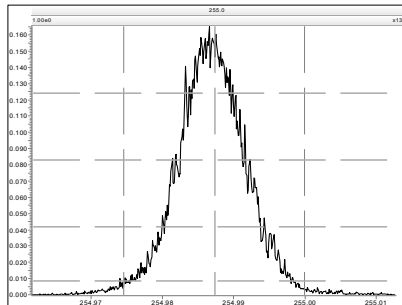
M 230.9856 R 12136



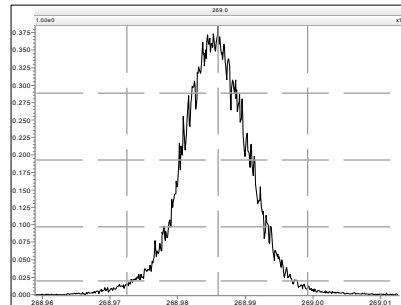
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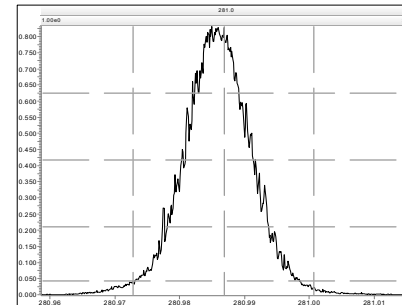
M 254.9856 R 11186



M 268.9824 R 11135



M 280.9824 R 10869



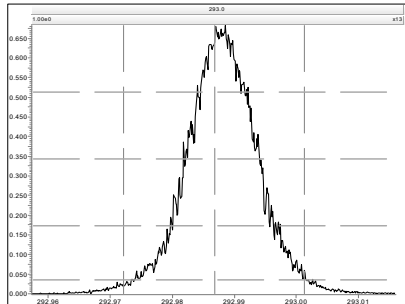
Resolution Check Report

MassLynx 4.1

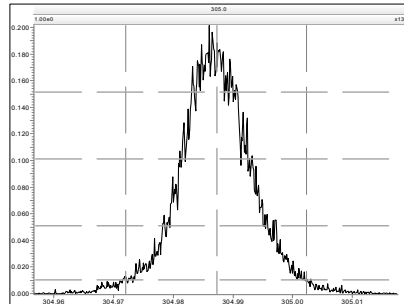
Page 2 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

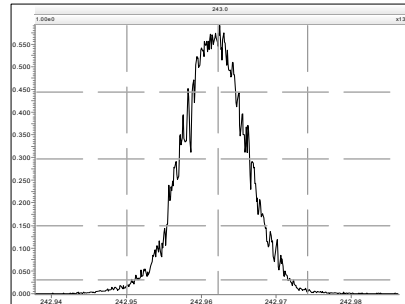
M 292.9824 R 10482



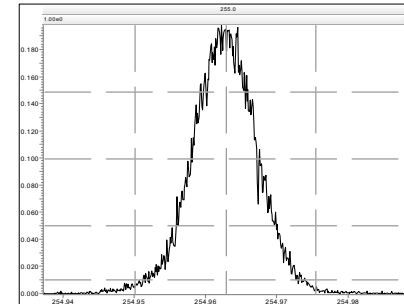
M 304.9824 R 10289



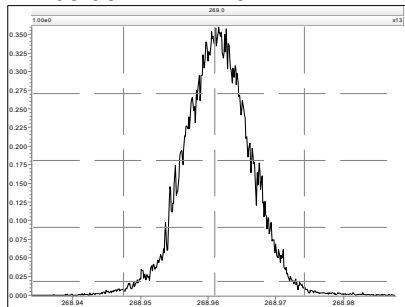
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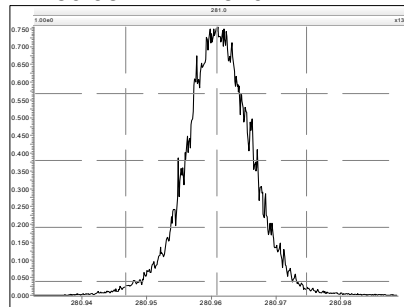
M 254.9856 R 12136



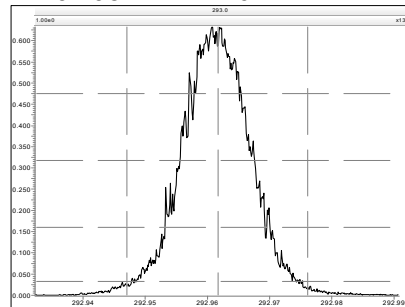
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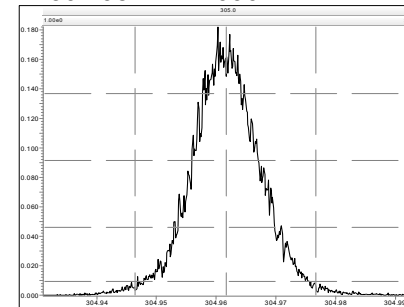
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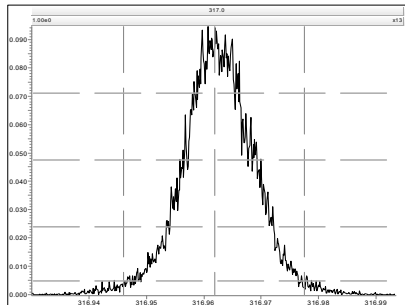
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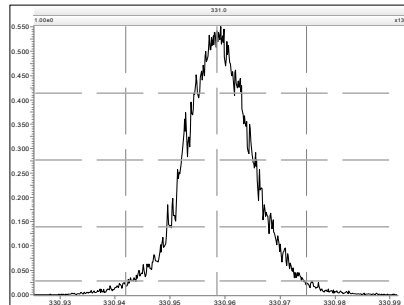
M 304.9824 R 10964



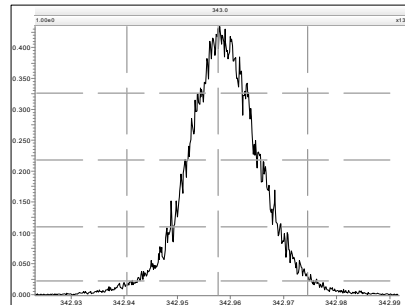
M 316.9824 R 11557



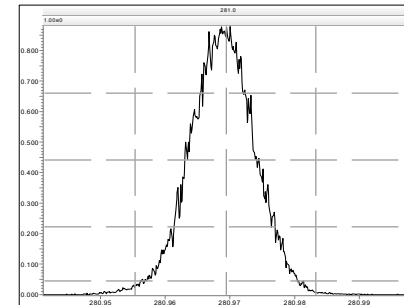
M 330.9792 R 10623



M 342.9792 R 10351



M 280.9824 R 11793

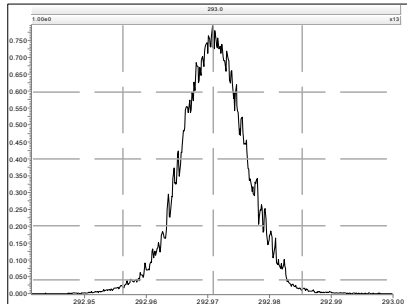


Resolution Check Report

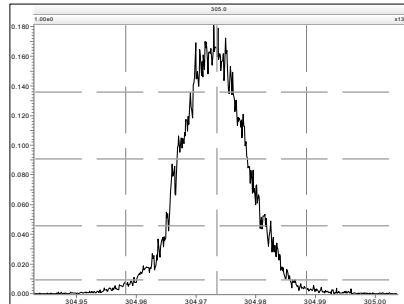
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

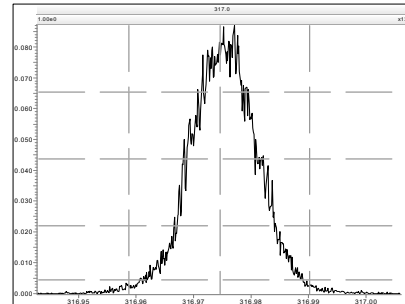
M 292.9824 R 11415



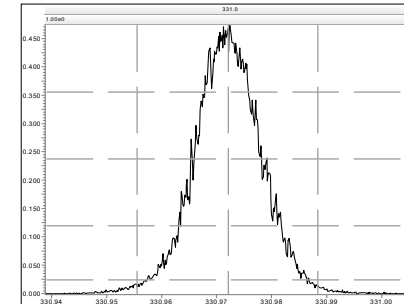
M 304.9824 R 11876



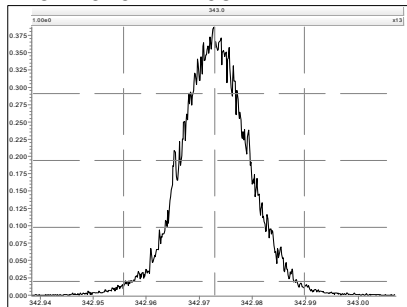
M 316.9824 R 11911



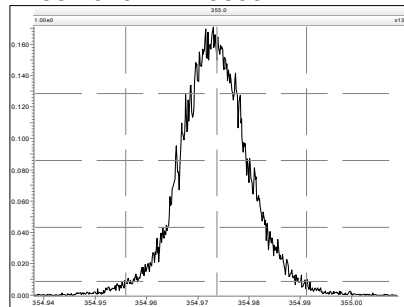
M 330.9792 R 11236



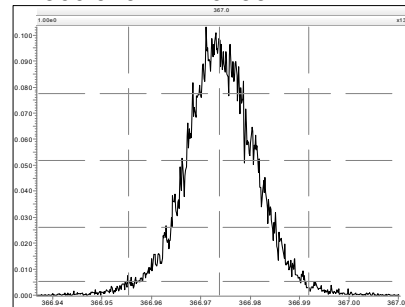
M 342.9792 R 10822



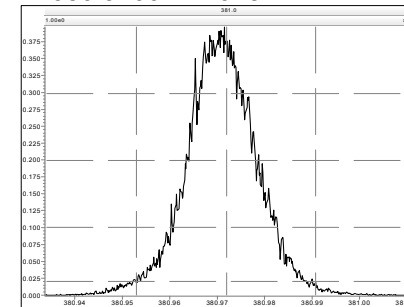
M 354.9792 R 10899



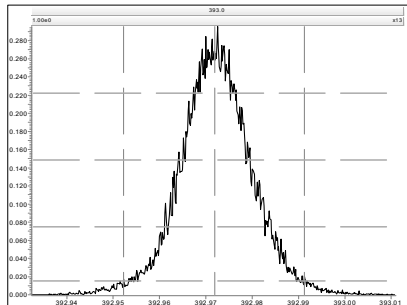
M 366.9792 R 10753



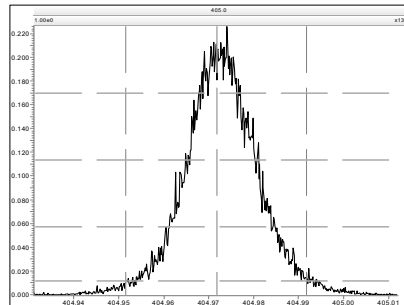
M 380.9760 R 10484



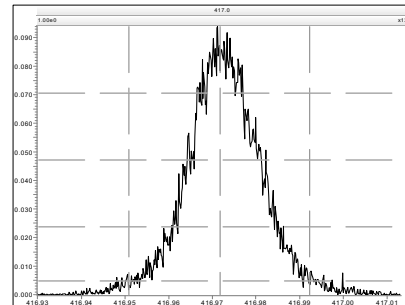
M 392.9760 R 10483



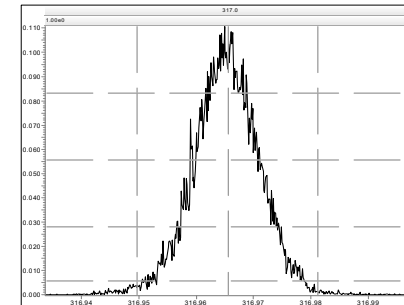
M 404.9760 R 10483



M 416.9760 R 10810



M 316.9824 R 12136



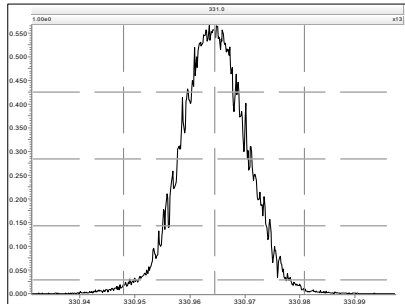
Resolution Check Report

MassLynx 4.1

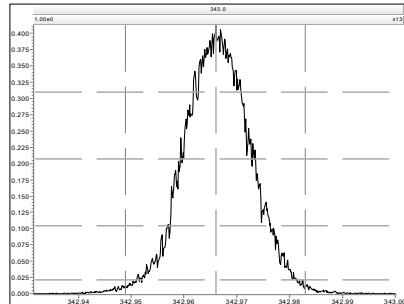
Page 4 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

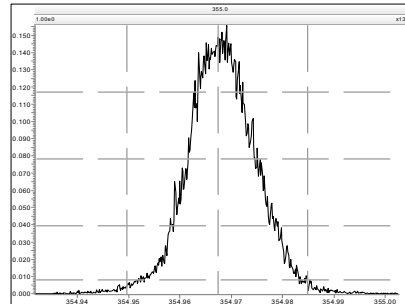
M 330.9792 R 12226



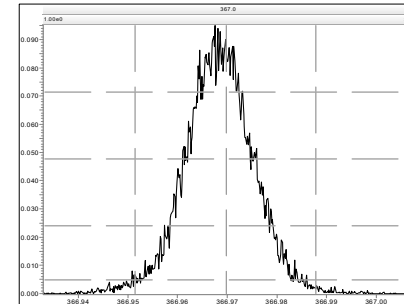
M 342.9792 R 11682



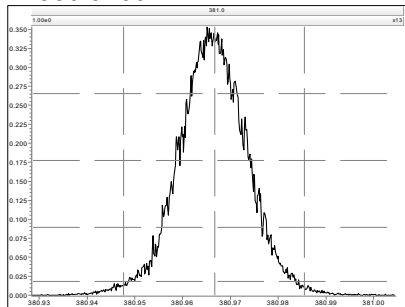
M 354.9792 R 11792



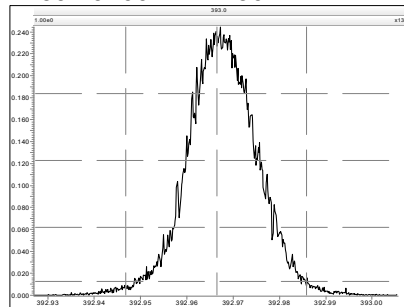
M 366.9792 R 11367



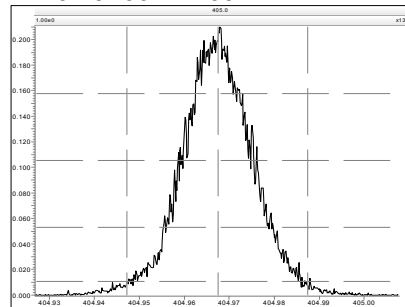
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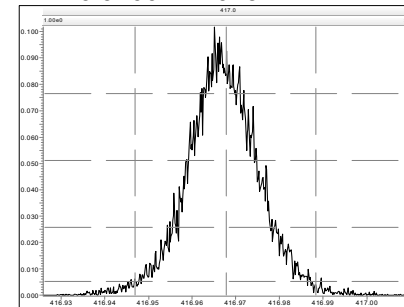
M 392.9760 R 11236



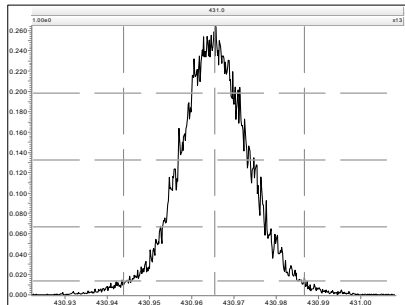
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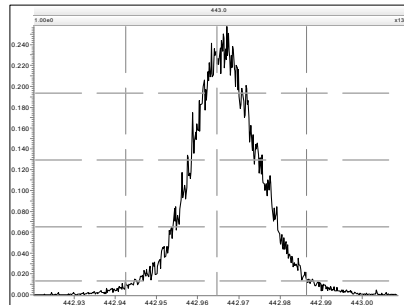
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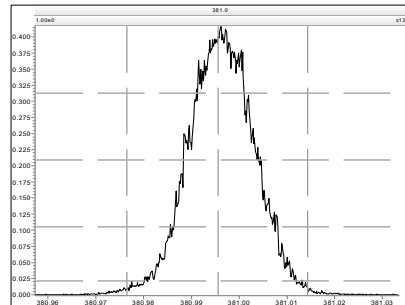
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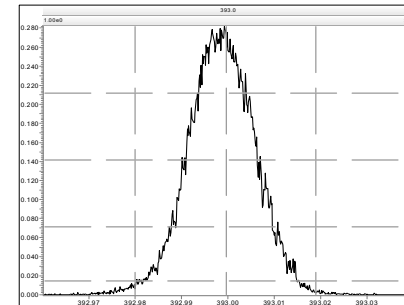
M 442.9728 R 10309



M 380.9760 R 11876



M 392.9760 R 11764



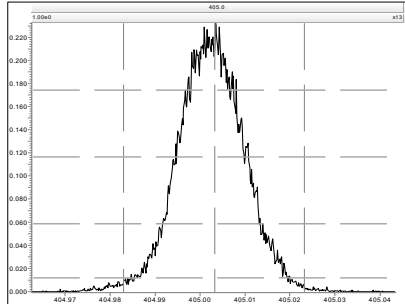
Resolution Check Report

MassLynx 4.1

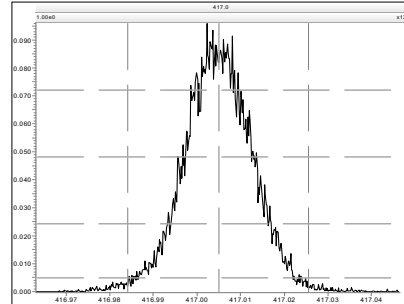
Page 5 of 6

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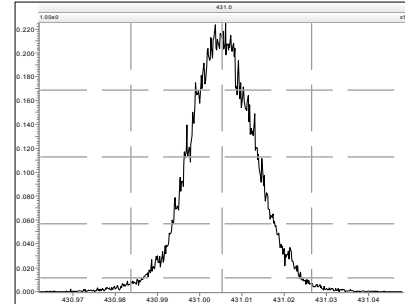
M 404.9760 R 11848



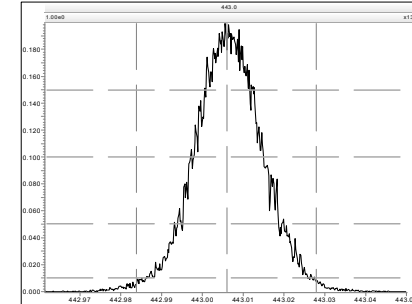
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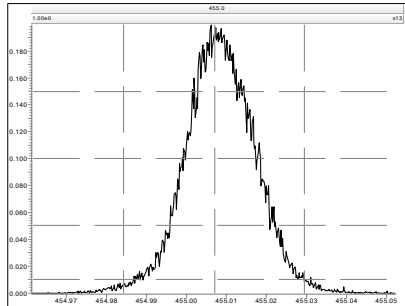
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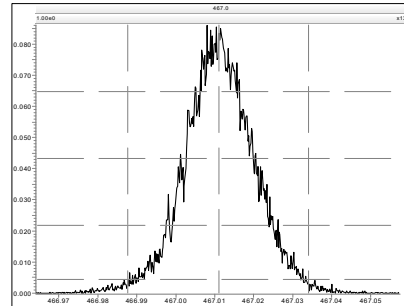
M 442.9728 R 11214



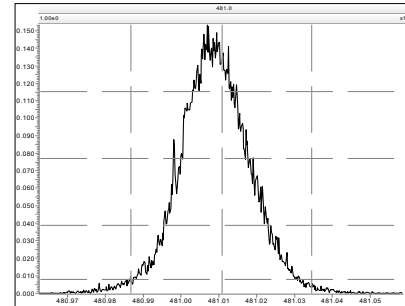
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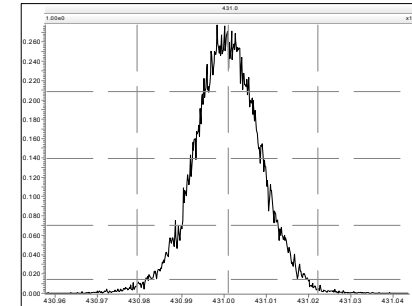
M 466.9728 R 11135



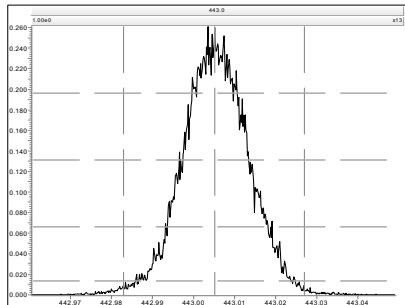
M 480.9696 R 10869



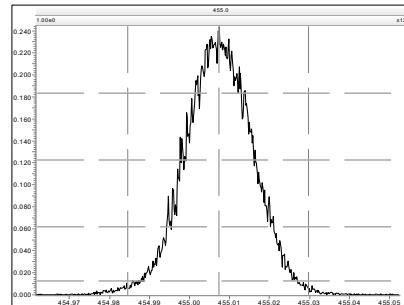
M 430.9728 R 11501



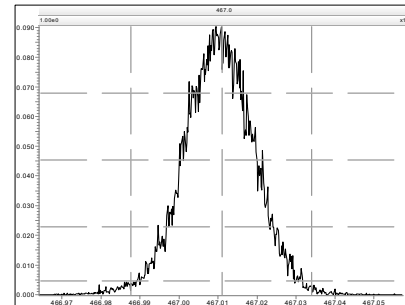
M 442.9728 R 11876



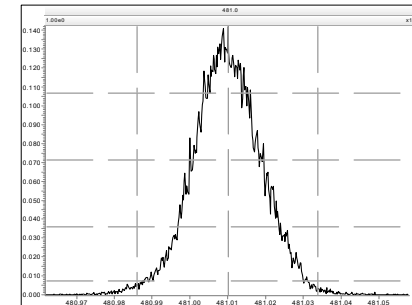
M 454.9728 R 11552



M 466.9728 R 11603



M 480.9696 R 11441



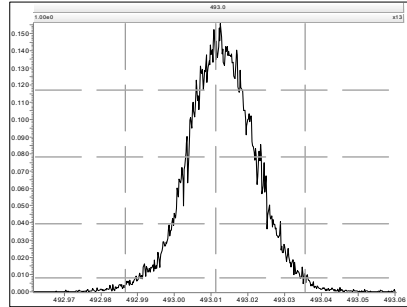
Resolution Check Report

MassLynx 4.1

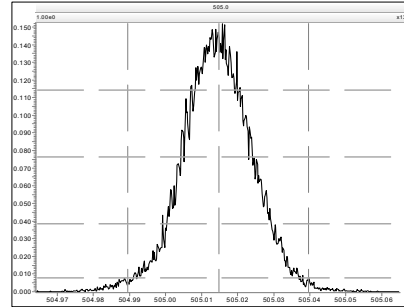
Page 6 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

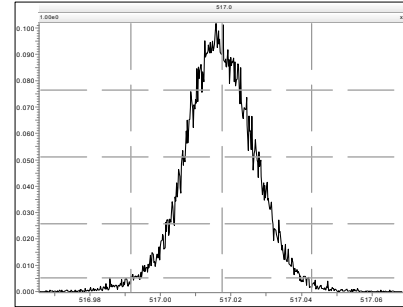
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED**By Todd Vilen at 8:08 am, Jul 06, 2012****METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120629S06 Analysis Date: 29-JUN-2012 13:36:22
 Lab ID: OPR1_9888_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	25	95	71 - 132	Y
PCB-3 4-MoCB	25	105	72 - 123	Y
PCB-4 22'-DiCB	25	96.8	73 - 114	Y
PCB-15 44'-DiCB	25	101	76 - 116	Y
PCB-19 22'6'-TrCB	25	90.2	79 - 109	Y
PCB-37 344'-TrCB	25	86.5	64 - 122	Y
PCB-54 22'66'-TeCB	25	95.2	76 - 114	Y
PCB-77 33'44'-TeCB	25	86.1	71 - 116	Y
PCB-81 344'5'-TeCB	25	84	70 - 116	Y
PCB-104 22'466'-PeCB	25	92.8	74 - 117	Y
PCB-105 233'44'-PeCB	25	85.7	73 - 117	Y
PCB-114 2344'5'-PeCB	25	84.7	74 - 113	Y
PCB-118 23'44'5'-PeCB	25	89.4	81 - 112	Y
PCB-123 23'44'5'-PeCB	25	93	74 - 109	Y
PCB-126 33'44'5'-PeCB	25	82.7	74 - 113	Y
PCB-155 22'44'66'-HxCB	25	88.6	79 - 112	Y
PCB-156/157 ...-HxCB	50	85.4	78 - 117	Y
PCB-167 23'44'55'-HxCB	25	83.6	79 - 107	Y
PCB-169 33'44'55'-HxCB	25	83.5	73 - 108	Y
PCB-188 22'34'566'-HpCB	25	94.5	81 - 113	Y
PCB-189 233'44'55'-HpCB	25	81.9	77 - 114	Y
PCB-202 22'33'55'66'-OcCB	25	102	74 - 112	Y
PCB-205 233'44'55'6-OcCB	25	78.3	79 - 115	N
PCB-206 22'33'44'55'6-NoCB	25	85.8	76 - 115	Y
PCB-208 22'33'455'66'-NoCB	25	88.7	77 - 116	Y
PCB-209 DeCB	25	85.1	71 - 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 03 Jul 2012 14:54 Analyst: LB

METHOD 1668B

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120629S06 Analysis Date: 29-JUN-2012 13:36:22
 Lab ID: OPR1_9888_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	60.5	2	-	100	Y
ES PCB-3	100	56.4	13	-	100	Y
ES PCB-4	100	52.3	18	-	100	Y
ES PCB-15	100	64.1	10	-	118	Y
ES PCB-19	100	61.4	10	-	106	Y
ES PCB-37	100	81.5	24	-	128	Y
ES PCB-54	100	54.4	16	-	111	Y
ES PCB-77	100	120	43	-	105	N
ES PCB-81	100	124	44	-	102	N
ES PCB-104	100	46	30	-	115	Y
ES PCB-105	100	90.6	52	-	116	Y
ES PCB-114	100	79.6	39	-	117	Y
ES PCB-118	100	88.2	51	-	117	Y
ES PCB-123	100	80.9	52	-	118	Y
ES PCB-126	100	100	54	-	113	Y
ES PCB-153	100	-	40	-	120	-
ES PCB-155	100	69.7	40	-	121	Y
ES PCB-156/157	200	95.6	46	-	115	Y
ES PCB-167	100	94	63	-	115	Y
ES PCB-169	100	88.6	51	-	117	Y
ES PCB-170	100	-	40	-	120	-
ES PCB-180	100	-	40	-	120	-
ES PCB-188	100	73.3	33	-	121	Y
ES PCB-189	100	93.6	55	-	112	Y
ES PCB-202	100	80.6	33	-	136	Y
ES PCB-205	100	103	61	-	103	Y
ES PCB-206	100	96.1	51	-	107	Y
ES PCB-208	100	85.2	48	-	111	Y
ES PCB-209	100	96.3	52	-	111	Y
CLEANUP STANDARDS						
CS PCB-28	100	74.2	18	-	131	Y
CS PCB-111	100	92.7	64	-	113	Y
CS PCB-178	100	85.1	62	-	133	Y

Processed: 03 Jul 2012 14:54 Analyst: LB

Lab ID: OPR1_9888_PCB-RJ

ACQ: 29-Jun-2012 13:36:22 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #71971

UTP: 03-Jul-2012 12:58 LKB

J-level: 10 pg/uL Split: 1

Checkcode: 702-147-SLP

Datafile: 120629S06

RPT: 03-Jul-2012 14:54 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.24		1.0006	1.0007	+0.2	1.28E+06	0.78	1.22	21.5	9.44E+02	0.166
PCB-81 344'5'-TeCB	28.77		1.0006	1.0006	0	1.25E+06	0.79	1.24	21	9.44E+02	0.165
PCB-105 233'44'-PeCB	32.18		1.0007	1.0007	0	9.09E+05	0.62	1.03	21.4	8.07E+02	0.2
PCB-114 2344'5'-PeCB	31.65		1.0007	1.0007	0	8.62E+05	0.62	1.10	21.2	8.07E+02	0.186
PCB-118 23'44'5'-PeCB	31.21		1.0008	1.0007	-0.2	9.60E+05	0.63	1.03	22.3	8.07E+02	0.184
PCB-123 23'44'5'-PeCB	30.93		1.0007	1.0007	0	8.72E+05	0.60	0.93	23.2	8.07E+02	0.202
PCB-126 33'44'5'-PeCB	34.79		1.0005	1.0005	0	1.18E+06	0.59	1.11	20.7	1.13E+03	0.216
PCB-156/157 ...-HxCB	37.33	C	1.0005	1.0005	0	1.85E+06	1.30	1.05	42.7	7.24E+02	0.233
PCB-167 23'44'55'-HxCB	36.37		1.0006	1.0006	0	9.17E+05	1.29	1.08	20.9	7.24E+02	0.174
PCB-169 33'44'55'-HxCB	40.06		1.0005	1.0005	0	8.43E+05	1.19	1.04	20.9	7.24E+02	0.206
PCB-189 233'44'55'-HpCB	42.18		1.0005	1.0004	-0.3	1.17E+06	1.06	1.11	20.5	1.03E+03	0.188
PCB-209 DeCB	47.17		1.0004	1.0004	0	7.96E+05	1.20	1.05	21.3	4.50E+02	0.189
ES PCB-1	9.83		0.7181	0.7174	-0.4	2.83E+06	3.42	1.01	60.5 %	2%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	2.74E+06	3.33	1.05	56.4 %	13%	100%
ES PCB-4	11.96		0.8732	0.8728	-0.3	1.69E+06	1.68	0.70	52.3 %	18%	100%
ES PCB-15	17.07		1.2453	1.2461	+0.8	3.47E+06	1.65	1.17	64.1 %	10%	118%
ES PCB-19	14.66		1.0698	1.0698	0	1.61E+06	0.95	0.57	61.4 %	10%	106%
ES PCB-37	23.05		1.0865	1.0870	+0.7	3.83E+06	1.11	1.41	81.5 %	24%	128%
ES PCB-54	17.29		0.8157	0.8156	-0.1	2.39E+06	0.81	1.32	54.4 %	16%	111%
ES PCB-77	29.22	V	1.3777	1.3782	+0.9	4.86E+06	0.78	1.22	120 %	43%	105%
ES PCB-81	28.75	V	1.3557	1.3562	+0.9	4.77E+06	0.81	1.15	124 %	44%	102%
ES PCB-104	22.00		0.8147	0.8147	0	2.93E+06	1.54	1.69	46 %	30%	115%
ES PCB-105	32.16		1.1906	1.1908	+0.4	4.13E+06	1.67	1.21	90.6 %	52%	116%
ES PCB-114	31.63		1.1709	1.1712	+0.6	3.71E+06	1.63	1.23	79.6 %	39%	117%
ES PCB-118	31.19		1.1547	1.1548	+0.2	4.15E+06	1.66	1.25	88.2 %	51%	117%
ES PCB-123	30.91		1.1444	1.1446	+0.4	4.06E+06	1.61	1.33	80.9 %	52%	118%
ES PCB-126	34.77		1.2871	1.2876	+1.0	5.13E+06	1.54	1.36	100 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.83		0.7939	0.7937	-0.3	3.74E+06	1.29	1.40	69.7 %	40%	121%
ES PCB-156/157	37.31		1.1035	1.1037	+0.4	8.27E+06	1.29	1.13	95.6 %	46%	115%
ES PCB-167	36.35		1.0753	1.0754	+0.2	4.06E+06	1.23	1.13	94 %	63%	115%
ES PCB-169	40.04		1.1842	1.1845	+0.7	3.87E+06	1.33	1.14	88.6 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.64		0.7204	0.7201	-0.6	3.75E+06	1.07	1.34	73.3 %	33%	121%
ES PCB-189	42.16		0.9598	0.9598	0	5.16E+06	1.07	1.77	93.6 %	55%	112%
ES PCB-202	36.15		0.8230	0.8228	-0.4	3.92E+06	0.87	1.27	80.6 %	33%	136%
ES PCB-205	44.33		1.0090	1.0090	0	4.03E+06	0.91	1.25	103 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.80		1.0424	1.0425	+0.3	3.21E+06	0.78	1.07	96.1 %	51%	107%
ES PCB-208	41.76		0.9508	0.9507	-0.3	3.56E+06	0.78	1.34	85.2 %	48%	111%
ES PCB-209	47.15		1.0732	1.0733	+0.3	3.57E+06	1.19	1.18	96.3 %	52%	111%
CS/SS PCB-28	19.65		0.9269	0.9270	+0.1	3.42E+06	1.07	0.98	91 %	18%	131%
CS/SS PCB-111	29.28	V	1.0843	1.0844	+0.2	4.17E+06	1.65	0.90	115 %	64%	113%
CS/SS PCB-178	34.20		1.0118	1.0118	0	2.82E+06	1.14	0.65	116 %	62%	133%
CS PCB-28	19.65		0.9269	0.9270	+0.1	3.42E+06	1.07	1.39	74.2 %	18%	131%
CS PCB-111	29.28		1.0843	1.0844	+0.2	4.17E+06	1.65	1.19	92.7 %	64%	113%
CS PCB-178	34.20		1.0118	1.0118	0	2.82E+06	1.14	0.87	85.1 %	62%	133%
JS PCB-9	13.70					4.62E+06	1.66				
JS PCB-52	21.20					3.33E+06	0.76				
JS PCB-101	27.01					3.78E+06	1.50				
JS PCB-138	33.80					3.82E+06	1.27				
JS PCB-194	43.93					3.13E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	50.1	50.1	0.364		
						Di-CBs	49.4	49.4	5.7		
						Tri-CBs	44.2	44.2	0.452		
						Tetra-CBs	66.3	66.3	0.205		
						Penta-CBs	132	132	0.22		
						Hexa-CBs	107	107	0.199		
						Hepta-CBs	44.1	44.1	0.239		
						Octa-CBs	45.2	45.2	0.205		
						Nona-CBs	43.6	43.6	0.234		
PCB-1 2-MoCB	9.84		1.0011	1.0012	+0.1	8.05E+05	3.12	1.20	23.7	2.06E+03	0.309
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	2.06E+03	0.419
PCB-3 4-MoCB	11.77		1.0010	1.0010	0	8.16E+05	3.24	1.13	26.4	2.06E+03	0.419
PCB-4 22'-DiCB	11.97		1.0012	1.0012	0	3.86E+05	1.48	0.94	24.2	1.75E+04	6.83
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	1.75E+04	4.5
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	1.81E+04	5.29
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	1.81E+04	4.58
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	1.81E+04	4.9
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	1.81E+04	4.99
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	1.81E+04	4.84
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	1.81E+04	4.2
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00		0.98	ND	1.81E+04	4.7
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	1.81E+04	4.74
PCB-15 44'-DiCB	17.08		1.0008	1.0009	+0.1	8.80E+05	1.34	1.01	25.2	1.81E+04	4.57

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.67		1.0011	1.0011	0	3.66E+05	1.02	1.01	22.5	1.25E+03	0.526
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.25E+03	0.411
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.25E+03	0.468
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.25E+03	0.358
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.25E+03	0.371
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.25E+03	0.595
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.25E+03	0.341
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	1.68E+03	0.385
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	1.68E+03	0.383
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	1.68E+03	0.378
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	1.68E+03	0.38
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	1.68E+03	0.37
PCB-28/20 244' /233' -TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	1.68E+03	0.384
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	1.68E+03	0.373
PCB-22 234' -TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	1.68E+03	0.407
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	1.68E+03	0.374
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.68E+03	0.344
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	1.68E+03	0.393
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	1.68E+03	0.4
PCB-37 344' -TrCB	23.06		1.0008	1.0007	-0.1	9.93E+05	1.12	1.20	21.6	1.68E+03	0.378
PCB-54 22'66'-TeCB	17.31		1.0010	1.0011	+0.1	5.31E+05	0.77	0.93	23.8	7.29E+02	0.276
PCB-50/53 22'46/22'56' -TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	7.92E+02	0.207
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	7.92E+02	0.244
PCB-51 22'46' -TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	7.92E+02	0.196
PCB-46 22'36' -TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	7.92E+02	0.248
PCB-52 22'55' -TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	7.92E+02	0.214
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	7.92E+02	0.167
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	7.92E+02	0.244
PCB-69/49 23'46/22'45' -TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	7.92E+02	0.179
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	7.92E+02	0.206
PCB-44/47/65 ... -TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	7.92E+02	0.2
PCB-59/62/75 ... -TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	7.92E+02	0.157
PCB-42 22'34' -TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	7.92E+02	0.225
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	7.92E+02	0.237
PCB-71/40 23'4'6/22'33' -TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	7.92E+02	0.211
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	7.92E+02	0.147
PCB-72 23'55' -TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	9.44E+02	0.164
PCB-68 23'45' -TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	9.44E+02	0.15
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	9.44E+02	0.167
PCB-58 233'5' -TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	9.44E+02	0.163
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	9.44E+02	0.161
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	9.44E+02	0.153
PCB-61/70/74/76 ... -TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	9.44E+02	0.165
PCB-66 23'44' -TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	9.44E+02	0.173
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	9.44E+02	0.168

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	9.44E+02	0.174
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	9.44E+02	0.166
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	9.44E+02	0.149
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	9.44E+02	0.15
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	9.44E+02	0.172
PCB-104 22'466'-PeCB	22.02		1.0010	1.0009	-0.1	6.24E+05	0.62	0.92	23.2	9.53E+02	0.332
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	9.53E+02	0.375
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	8.07E+02	0.241
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	8.07E+02	0.262
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	8.07E+02	0.251
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	8.07E+02	0.25
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	8.07E+02	0.249
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	8.07E+02	0.262
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	8.07E+02	0.281
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	8.07E+02	0.223
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	8.07E+02	0.287
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	8.07E+02	0.272
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	8.07E+02	0.19
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	8.07E+02	0.261
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	8.07E+02	0.231
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	8.07E+02	0.3
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	8.07E+02	0.244
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	8.07E+02	0.194
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	8.07E+02	0.226
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	8.07E+02	0.198
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	8.07E+02	0.231
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	8.07E+02	0.203
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	8.07E+02	0.197
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	8.07E+02	0.303
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	8.07E+02	0.189
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	8.07E+02	0.188
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	8.07E+02	0.203
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	8.07E+02	0.188
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	8.07E+02	0.194
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	8.07E+02	0.22
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	8.07E+02	0.197
PCB-155 22'44'66'-HxCB	26.85		1.0008	1.0008	0	8.75E+05	1.24	1.06	22.2	7.42E+02	0.183
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.42E+02	0.197
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	7.42E+02	0.196
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	7.42E+02	0.21
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	7.42E+02	0.206
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	7.42E+02	0.264
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	7.42E+02	0.272
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	7.42E+02	0.246
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	7.42E+02	0.269

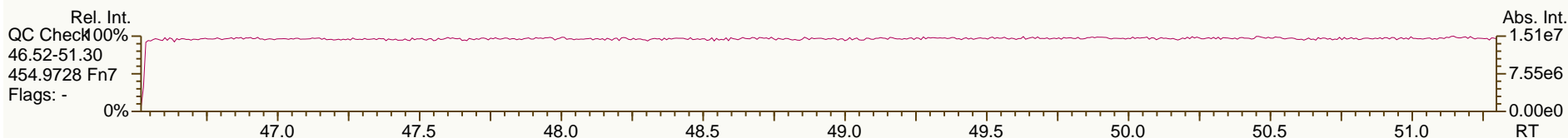
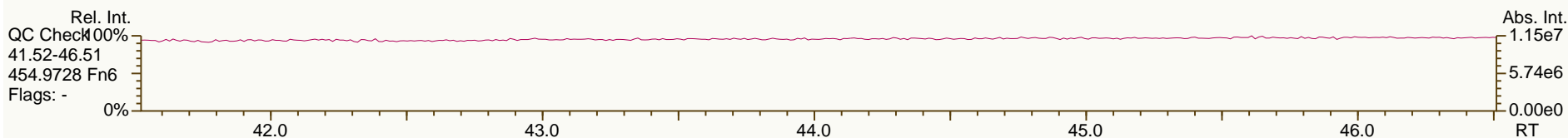
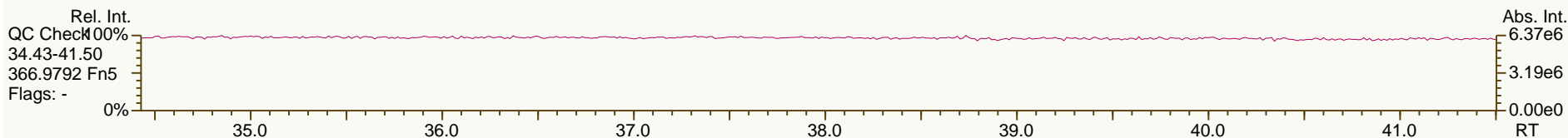
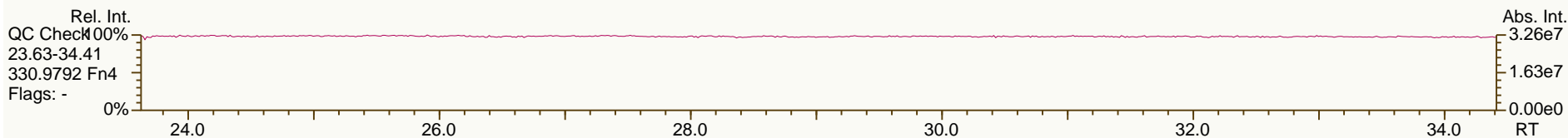
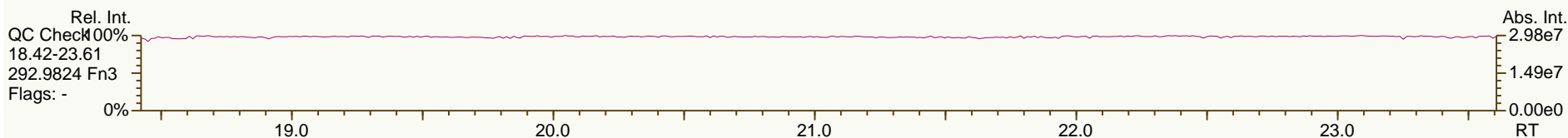
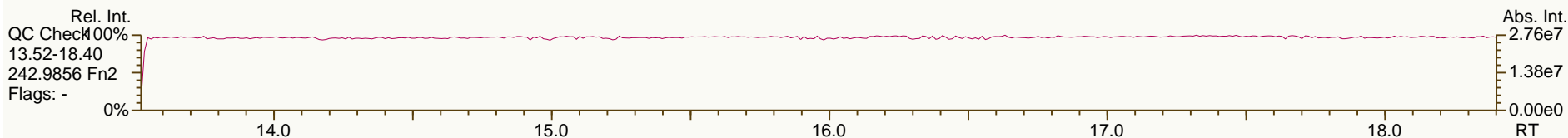
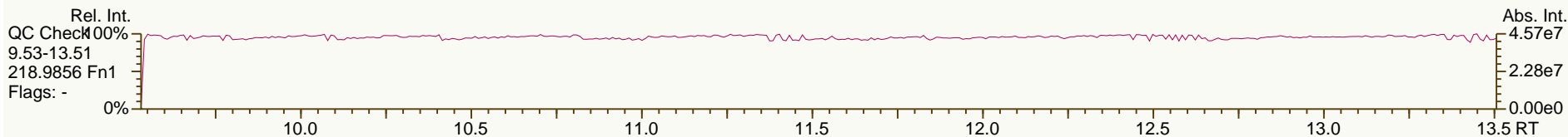
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00		0.72	ND	7.42E+02	0.267
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.61	ND	7.42E+02	0.319
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.69	ND	7.42E+02	0.279
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	7.42E+02	0.263
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	7.42E+02	0.299
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.42E+02	0.287
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.68	ND	7.42E+02	0.285
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.69	ND	7.42E+02	0.281
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.82	ND	7.42E+02	0.235
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.73	ND	7.42E+02	0.265
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	7.42E+02	0.209
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00		0.89	ND	7.42E+02	0.218
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.71	ND	7.42E+02	0.274
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.64	ND	7.42E+02	0.304
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.78	ND	7.42E+02	0.249
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.88	ND	7.42E+02	0.22
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.76	ND	7.42E+02	0.254
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.88	ND	7.42E+02	0.219
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	7.42E+02	0.201
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.86	ND	7.24E+02	0.218
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.03	ND	7.24E+02	0.183
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.04	ND	7.24E+02	0.181
PCB-188 22'34'566"-HpCB	31.66		1.0007	1.0007	0	9.45E+05	1.05	1.07	23.6	8.89E+02	0.211
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.98	ND	8.89E+02	0.23
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.97	ND	8.89E+02	0.232
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.06	ND	8.89E+02	0.211
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.02	ND	8.89E+02	0.221
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.77	ND	8.89E+02	0.292
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.70	ND	8.44E+02	0.306
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.73	ND	8.44E+02	0.292
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.74	ND	8.44E+02	0.287
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.75	ND	8.44E+02	0.285
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.73	ND	8.44E+02	0.293
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.63	ND	8.44E+02	0.341
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.64	ND	8.44E+02	0.334
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.72	ND	8.44E+02	0.299
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.64	ND	8.44E+02	0.336
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.69	ND	8.44E+02	0.249
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	8.44E+02	0.189
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	8.44E+02	0.204
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	8.44E+02	0.182
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	8.44E+02	0.246
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.94	ND	8.44E+02	0.182
PCB-202 22'33'55'66"-OoCB	36.17		1.0006	1.0006	0	8.29E+05	0.90	0.83	25.6	6.86E+02	0.259
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.93	ND	6.86E+02	0.231

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	6.86E+02	0.24
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	6.86E+02	0.235
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	6.86E+02	0.231
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	6.86E+02	0.313
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	6.86E+02	0.299
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	6.86E+02	0.291
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	6.35E+02	0.203
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	6.35E+02	0.192
PCB-205 233'44'55'6-OcCB	44.35		1.0004	1.0004	0	8.63E+05	0.91	1.09	19.6	6.35E+02	0.151
PCB-208 22'33'455'66'-NoCB	41.79		1.0005	1.0005	0	7.71E+05	0.78	0.98	22.2	6.01E+02	0.236
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.01E+02	0.227
PCB-206 22'33'44'55'6-NoCB	45.82		1.0004	1.0005	+0.3	6.42E+05	0.82	0.93	21.4	6.01E+02	0.232

AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

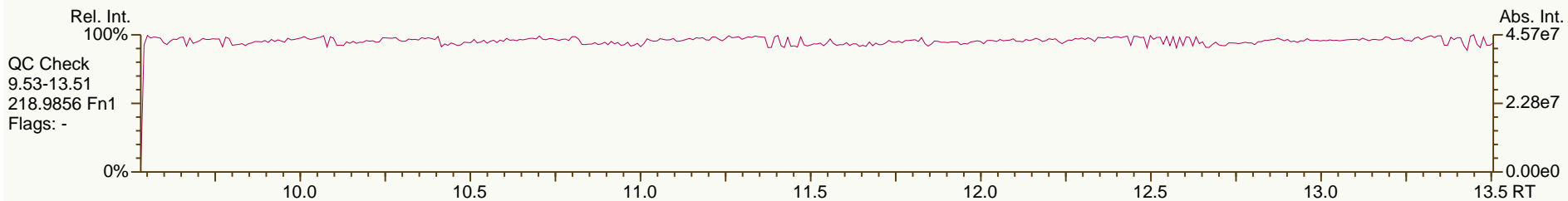
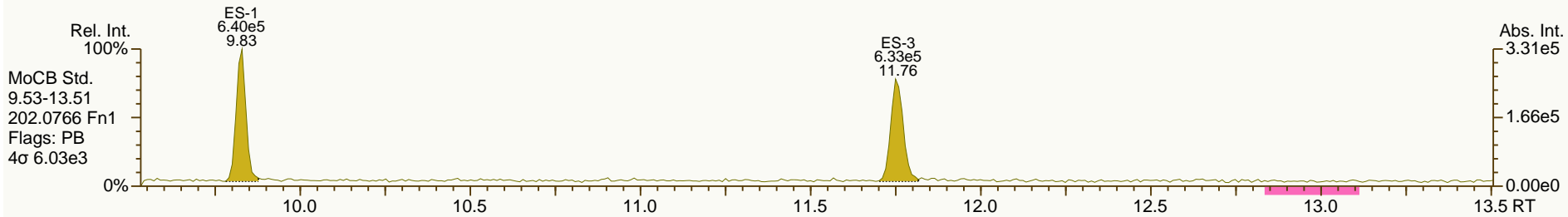
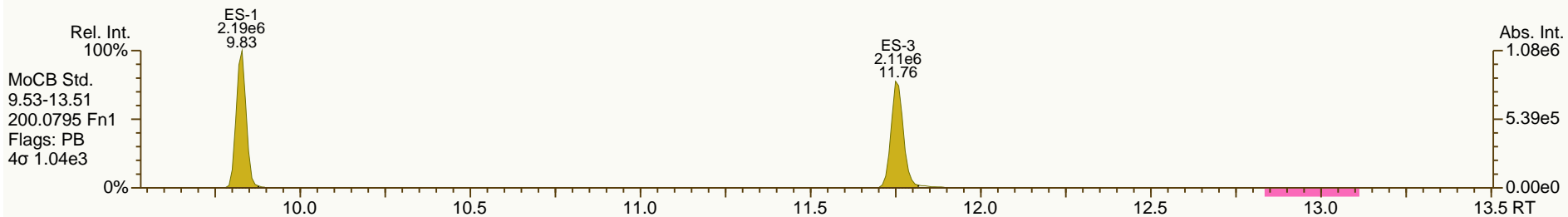
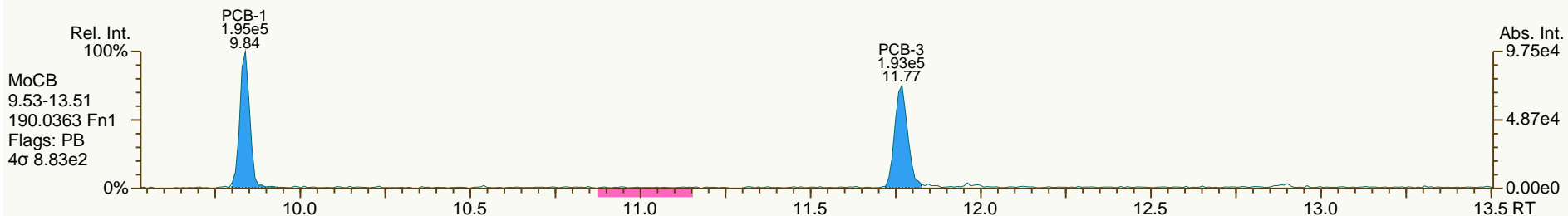
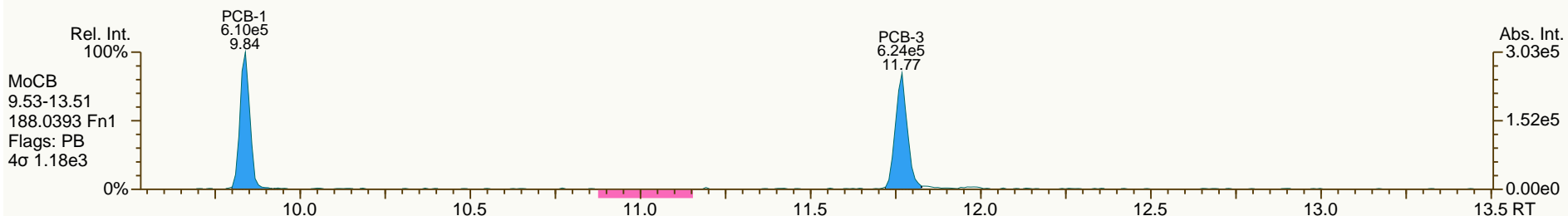
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AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

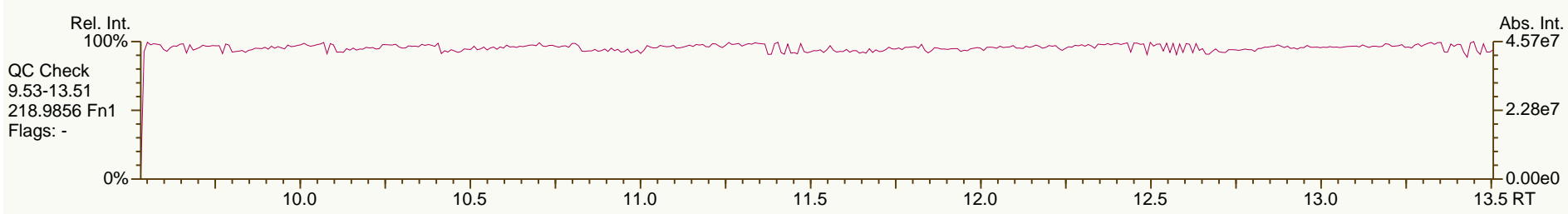
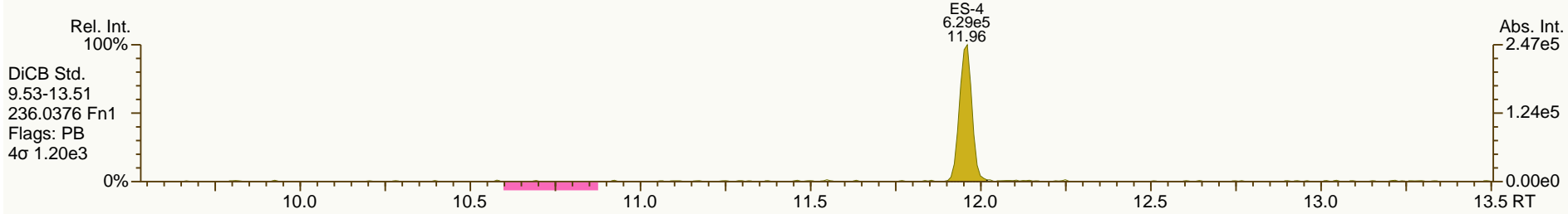
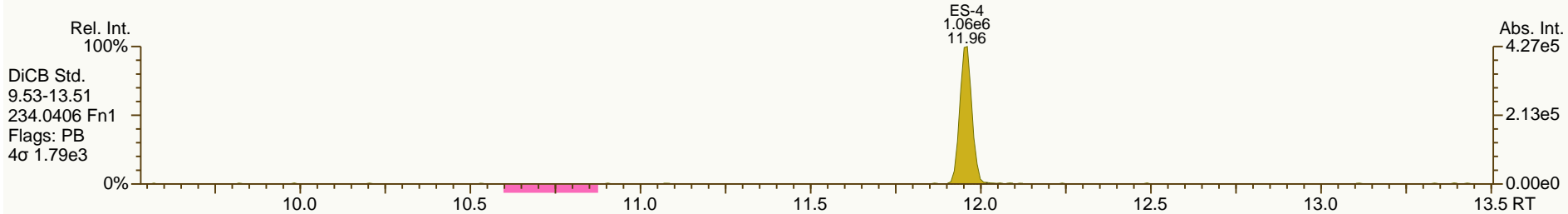
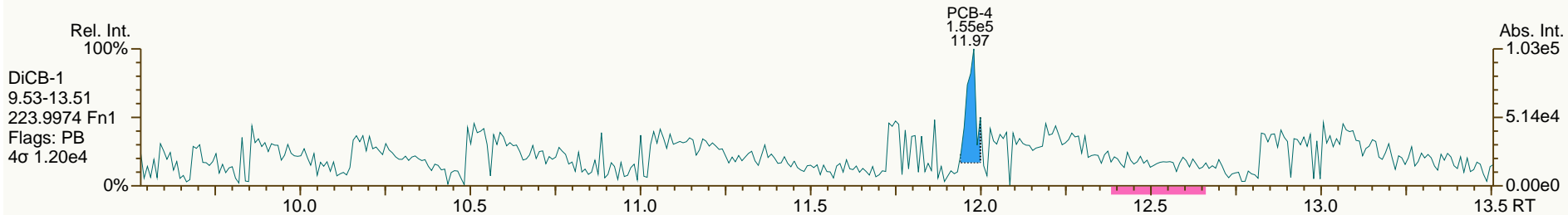
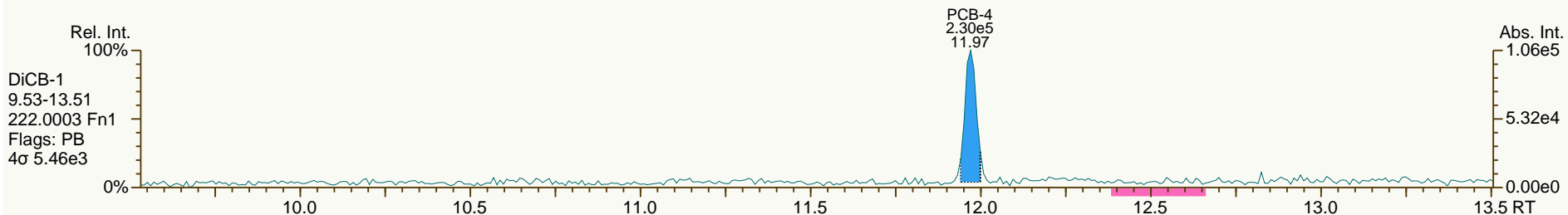
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AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

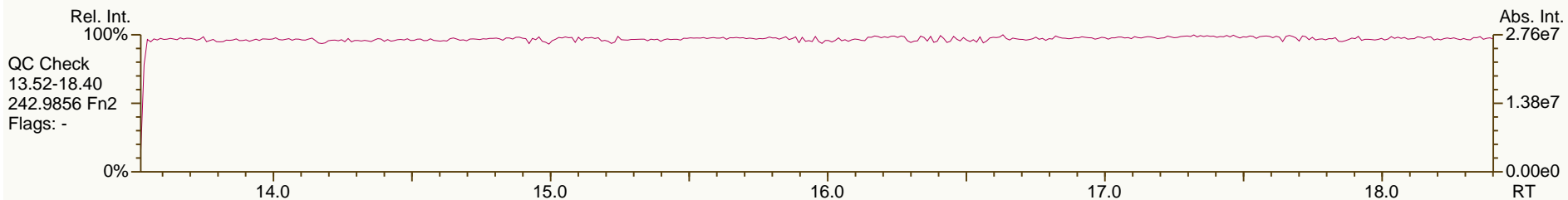
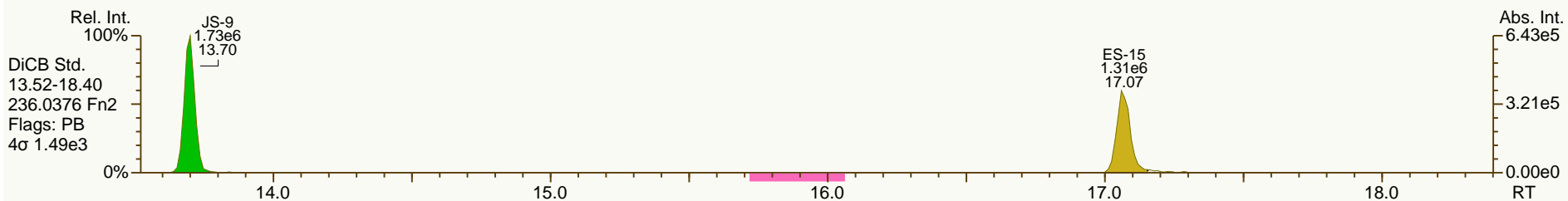
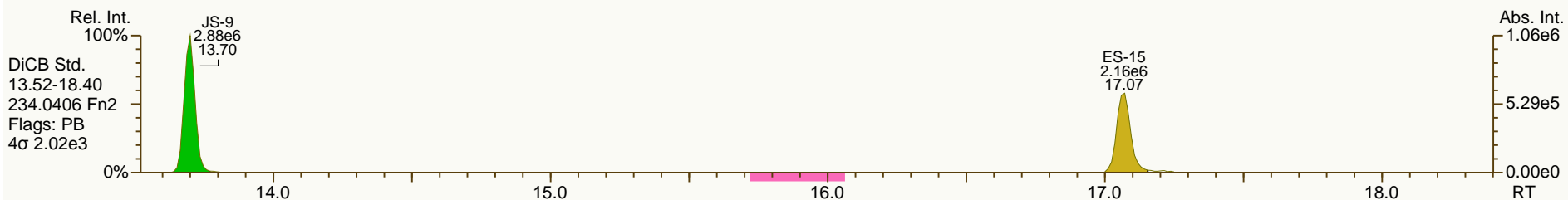
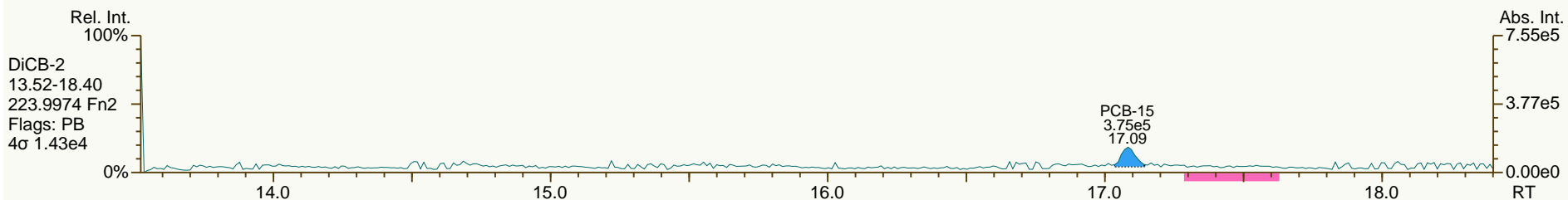
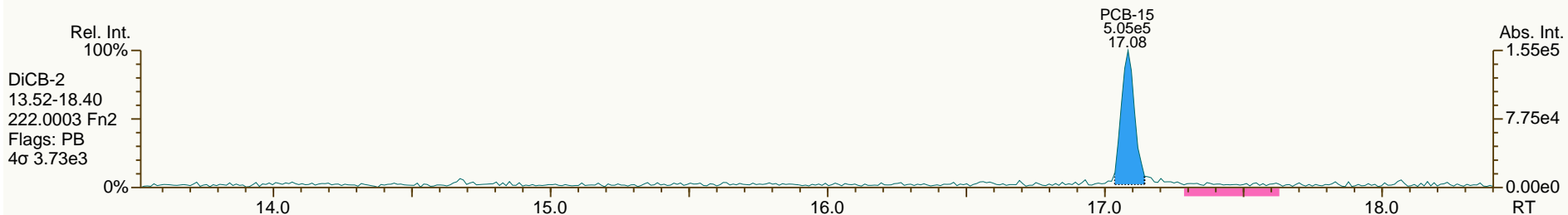
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AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

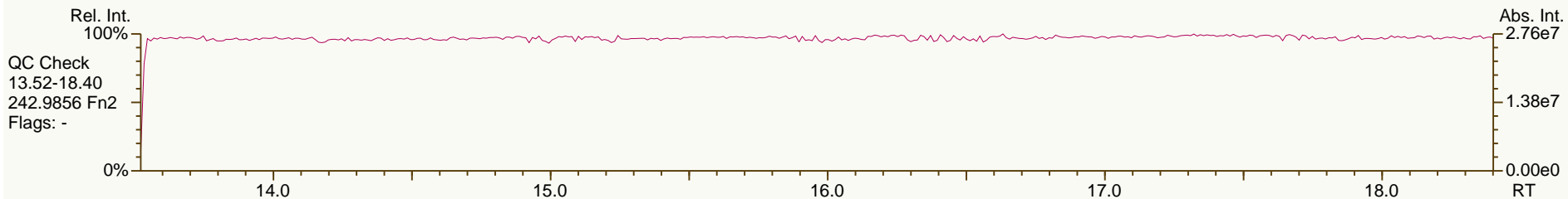
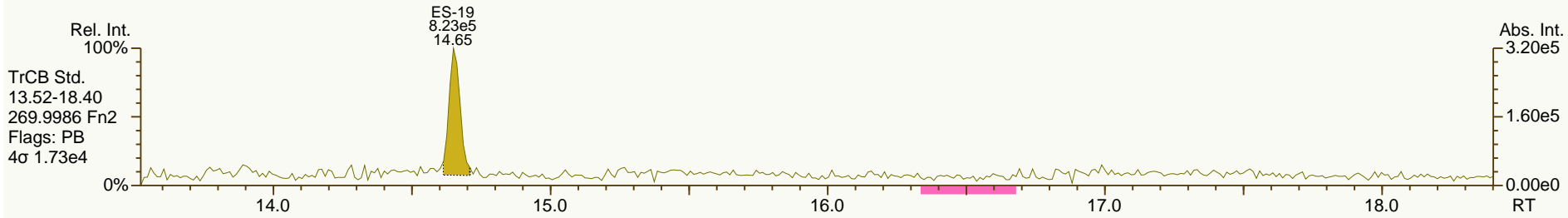
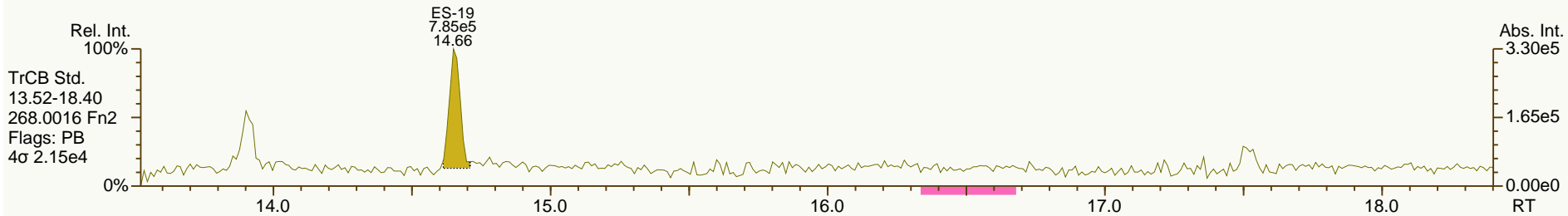
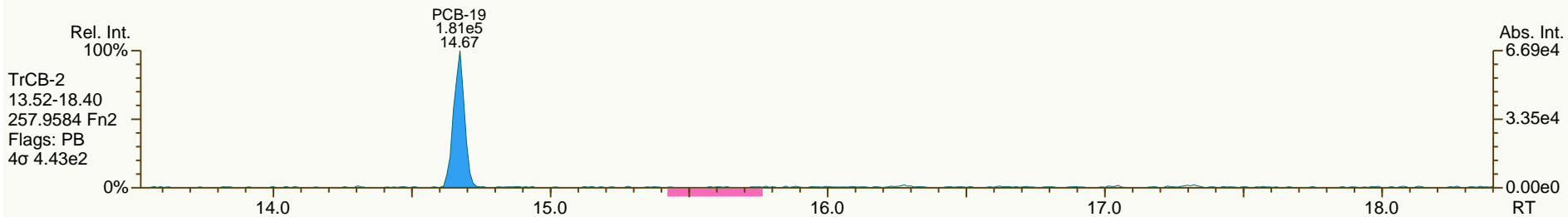
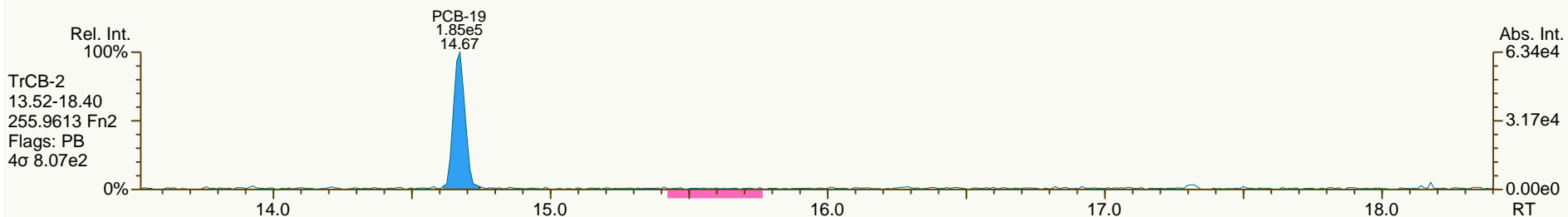
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AP Lab ID: OPR1_9888_PCB-RJ
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

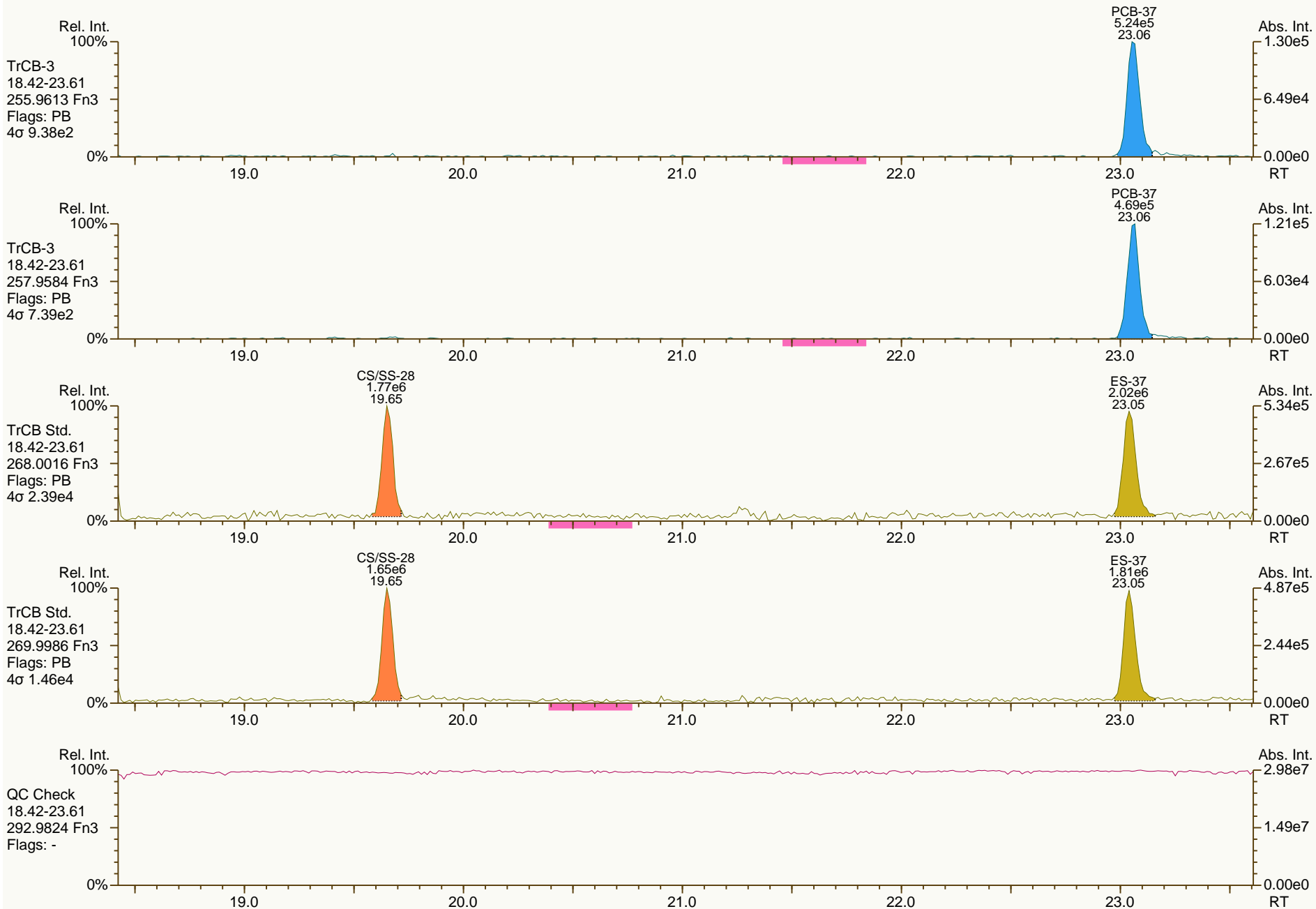
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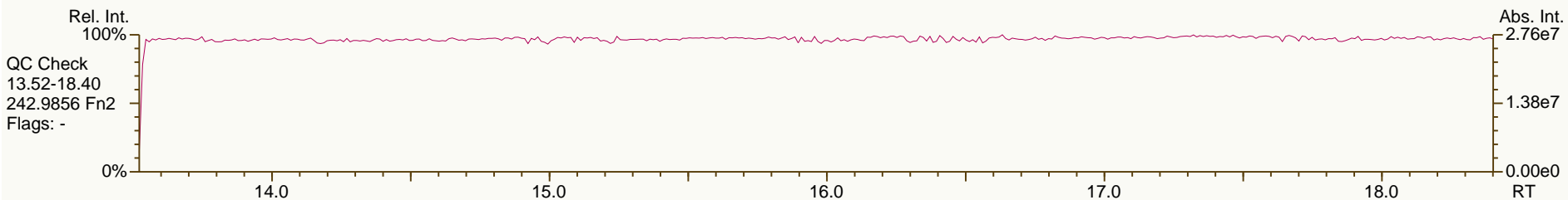
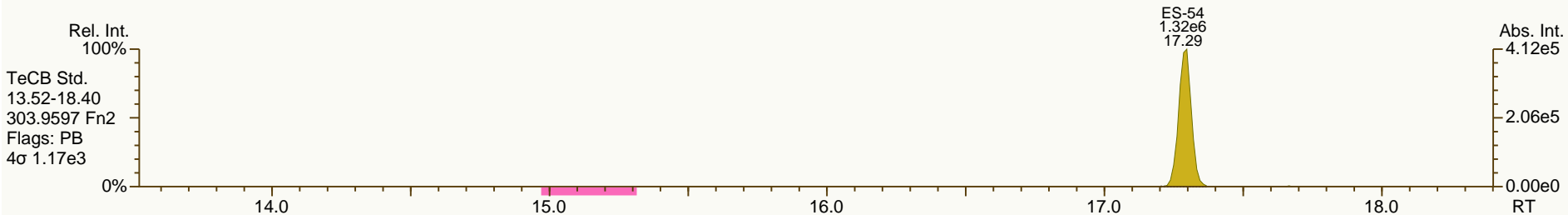
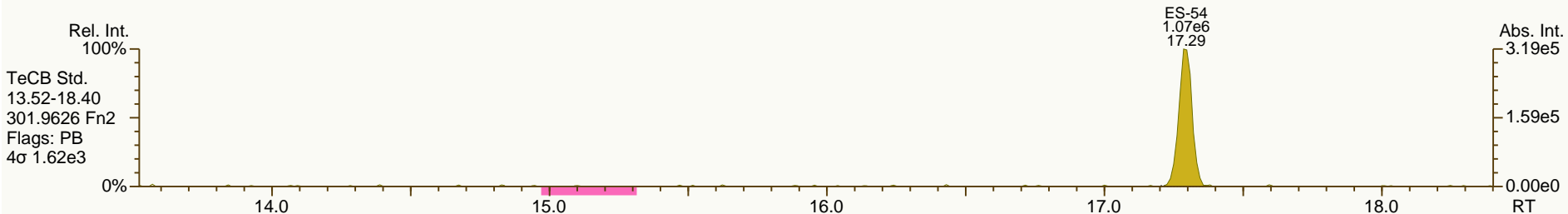
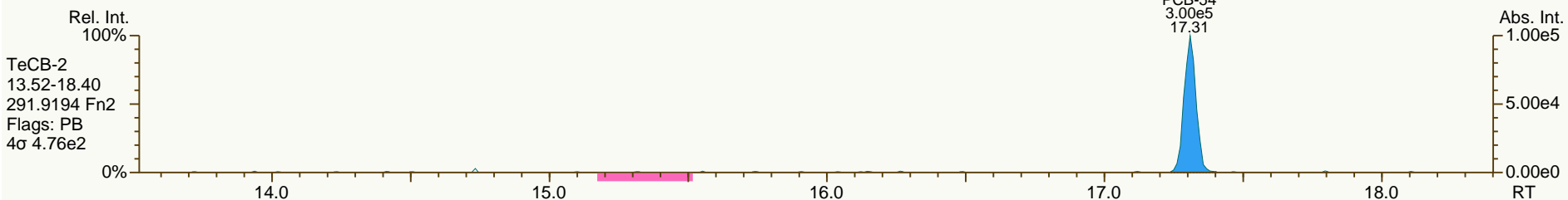
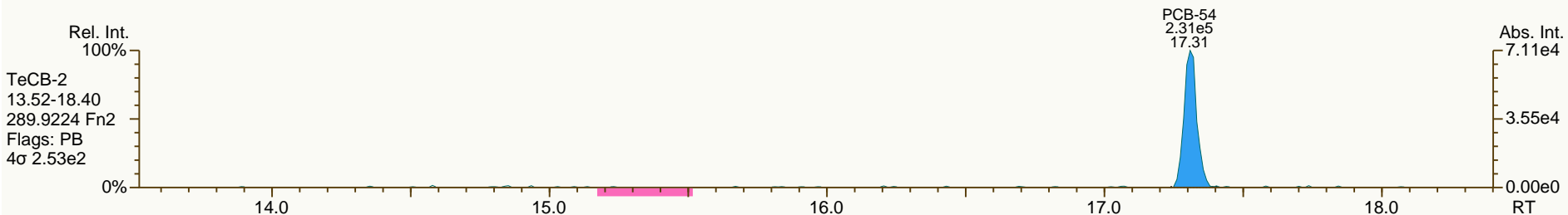
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AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

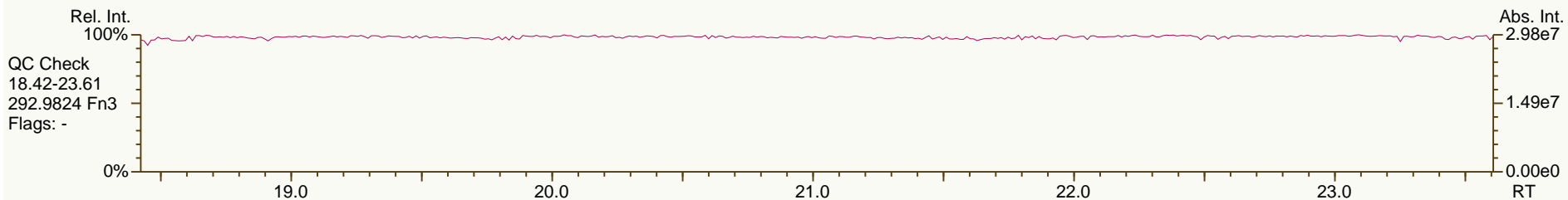
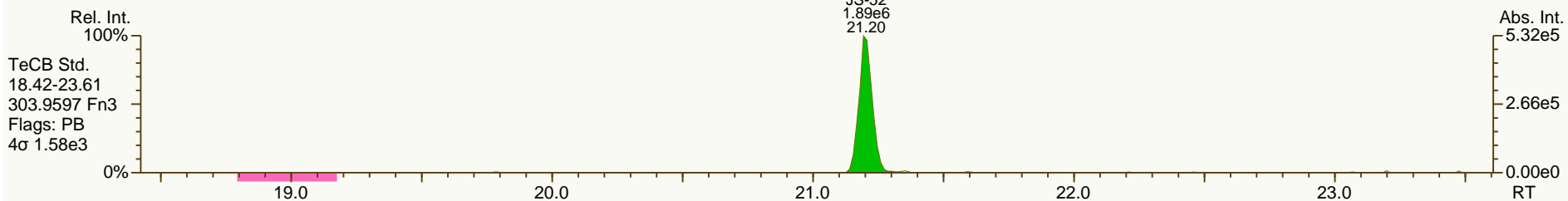
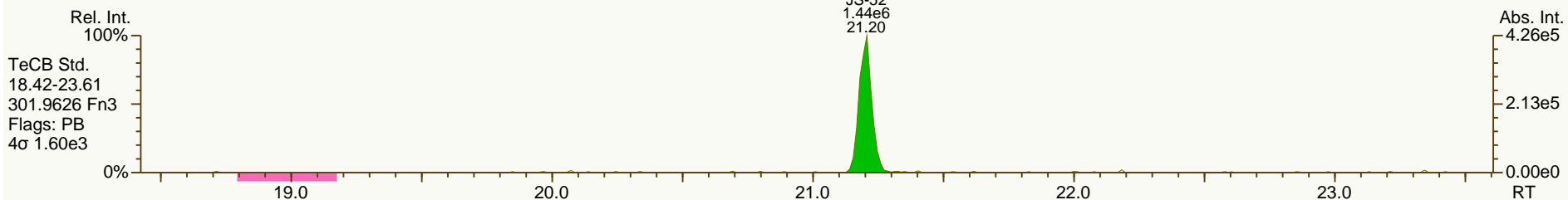
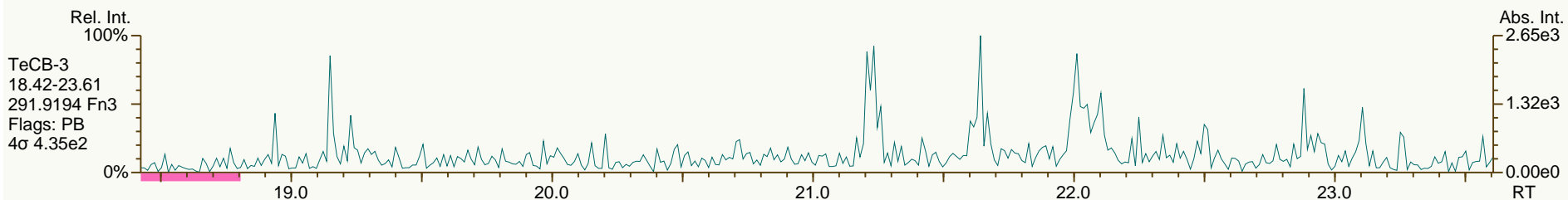
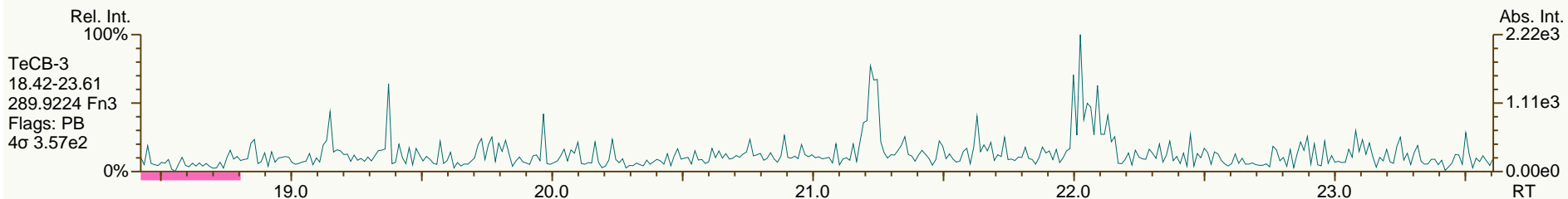
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AP Lab ID: OPR1_9888_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #71971
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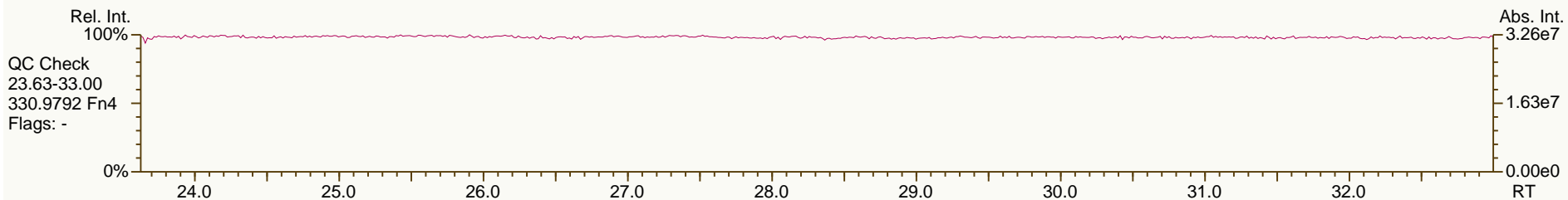
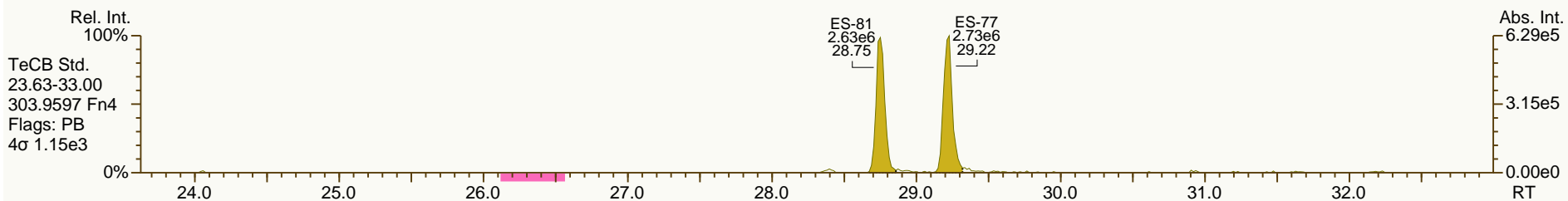
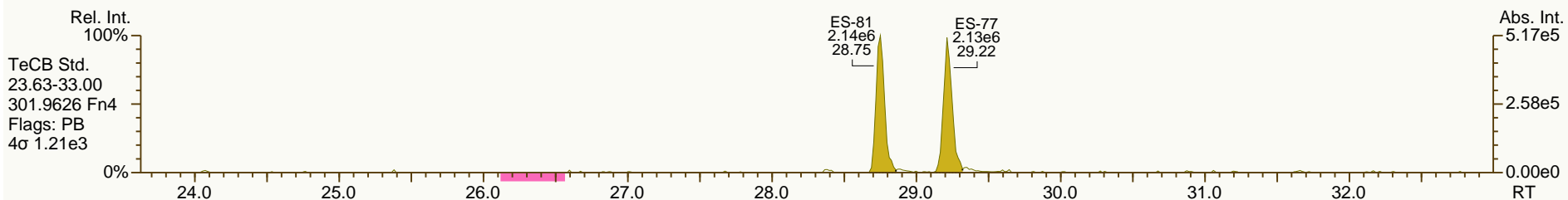
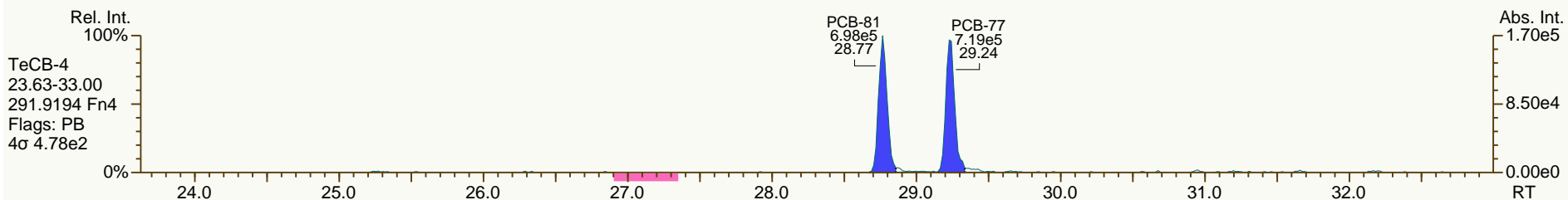
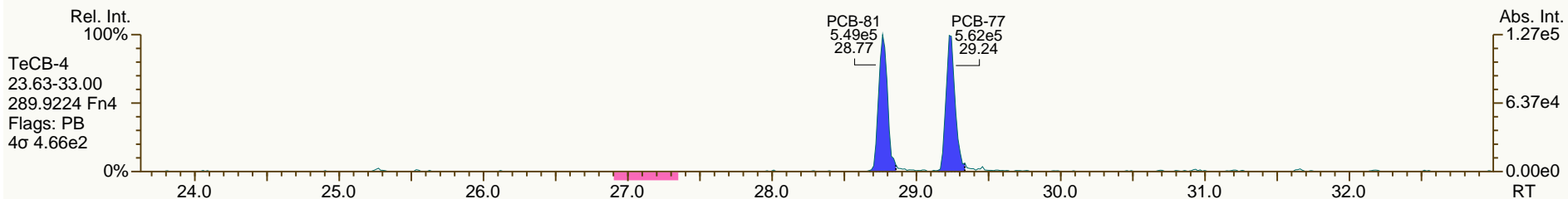
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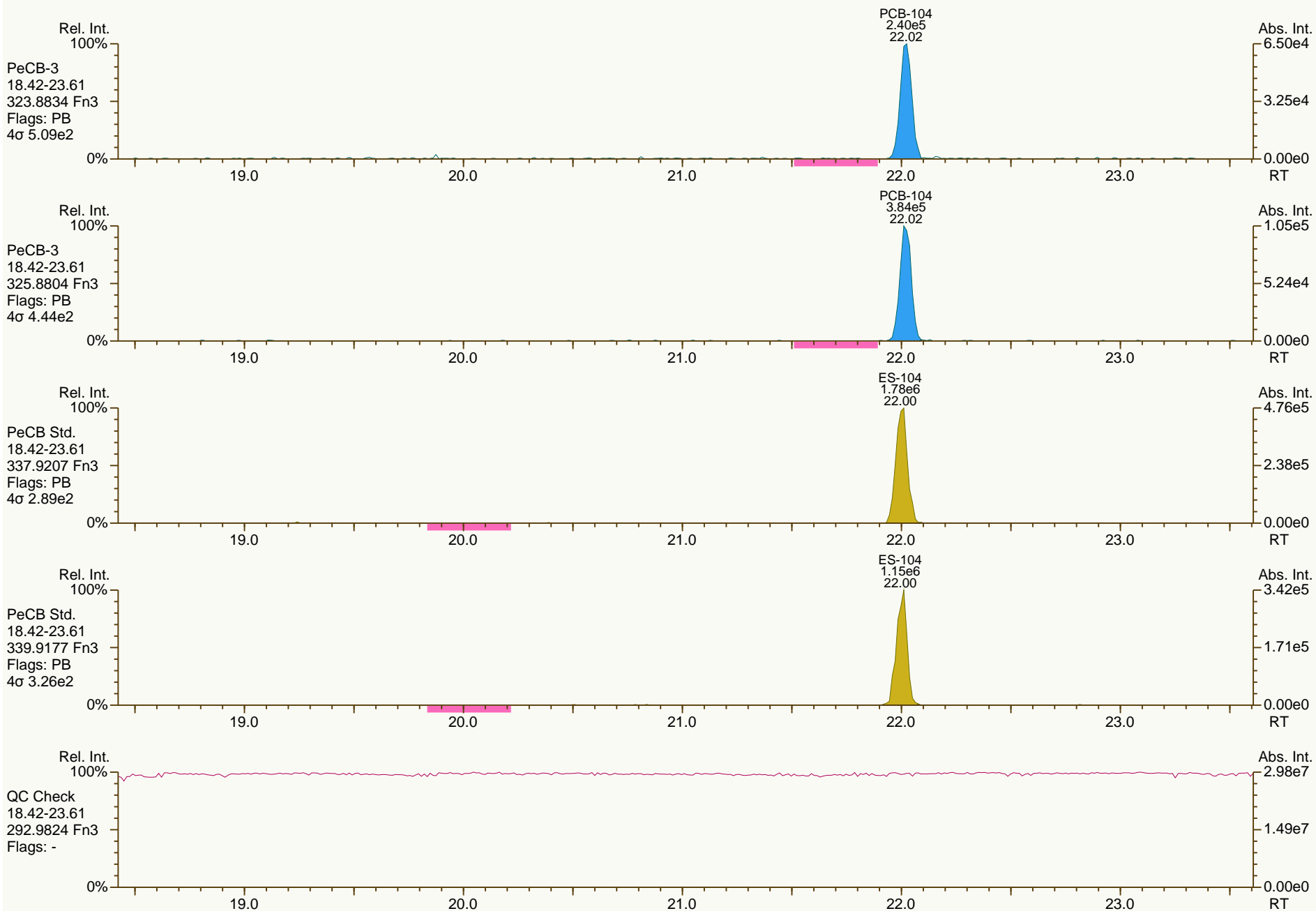
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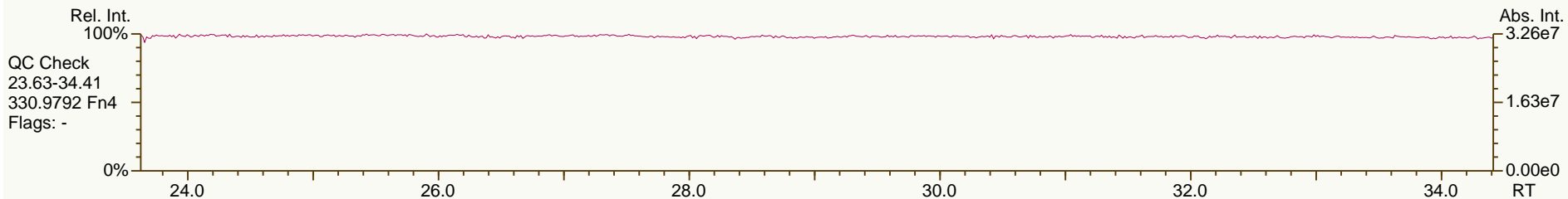
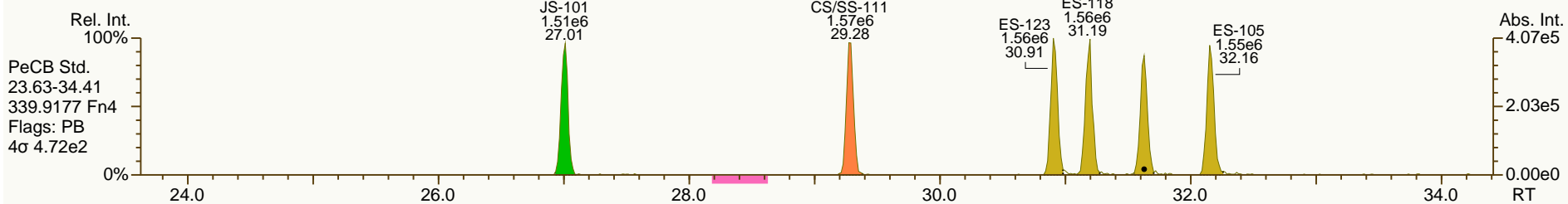
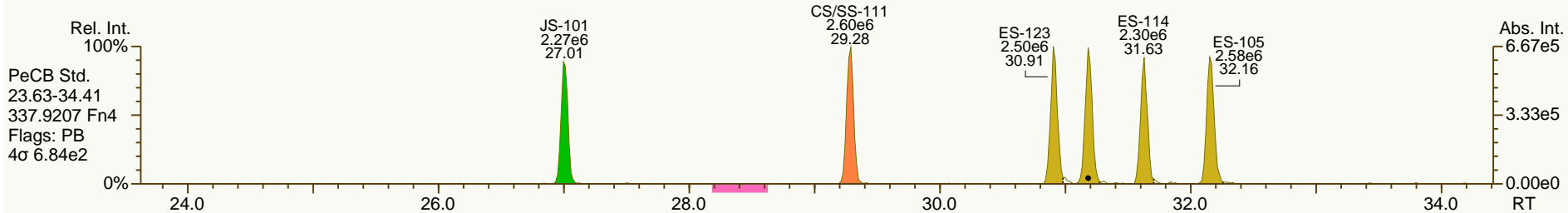
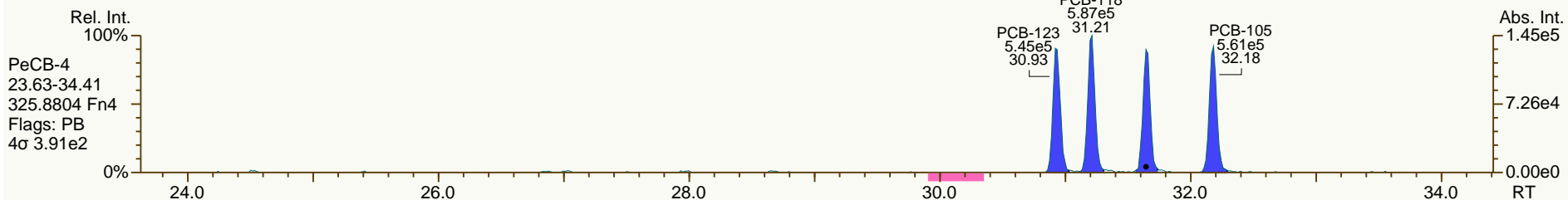
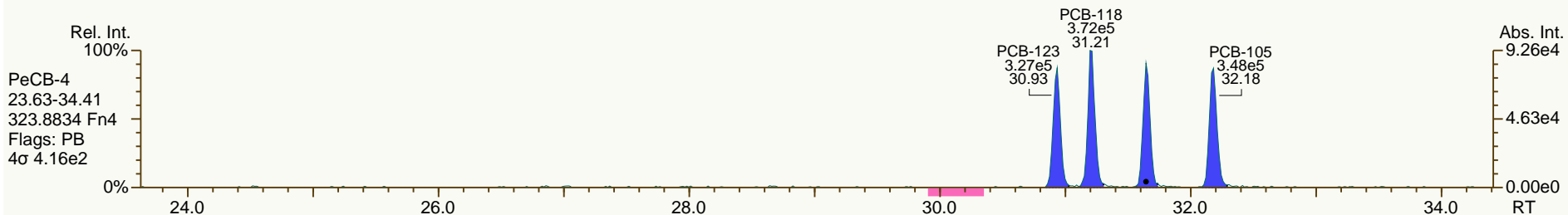
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Sample ID: OPR #71971
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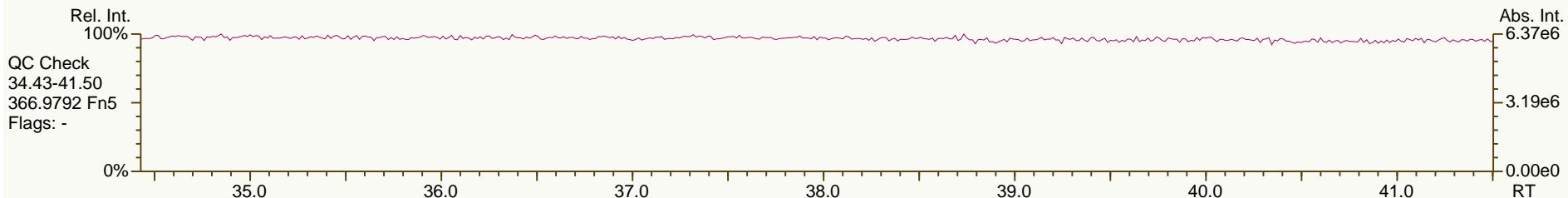
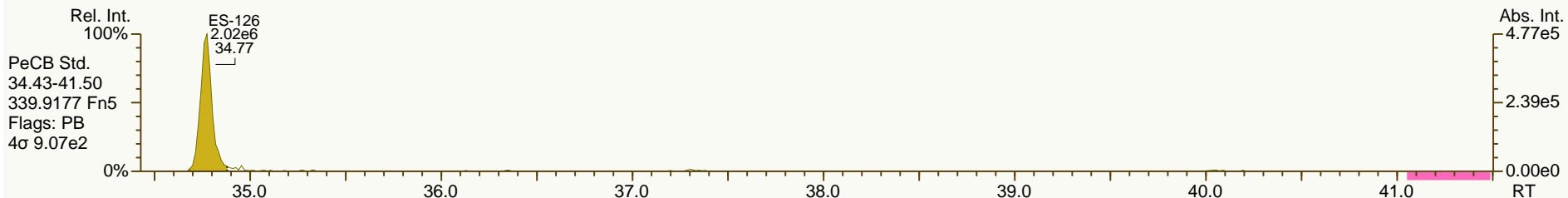
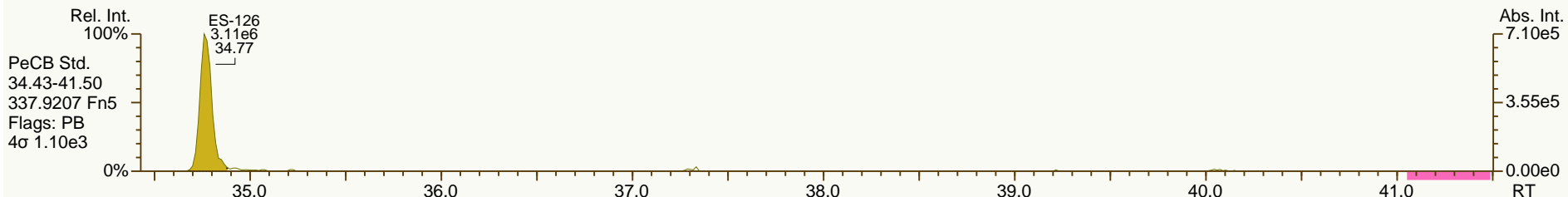
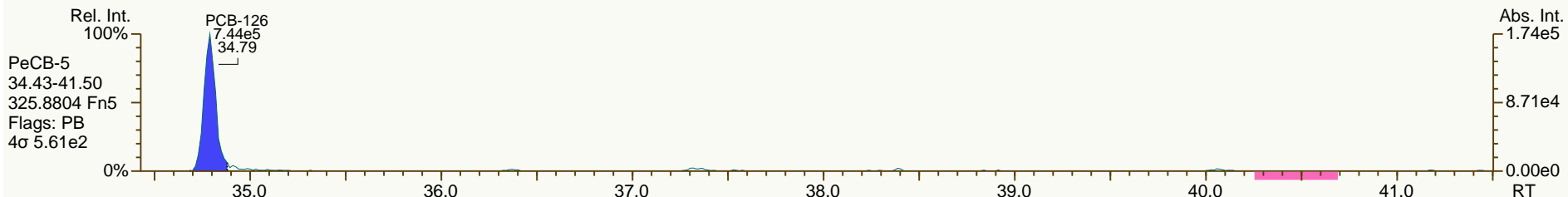
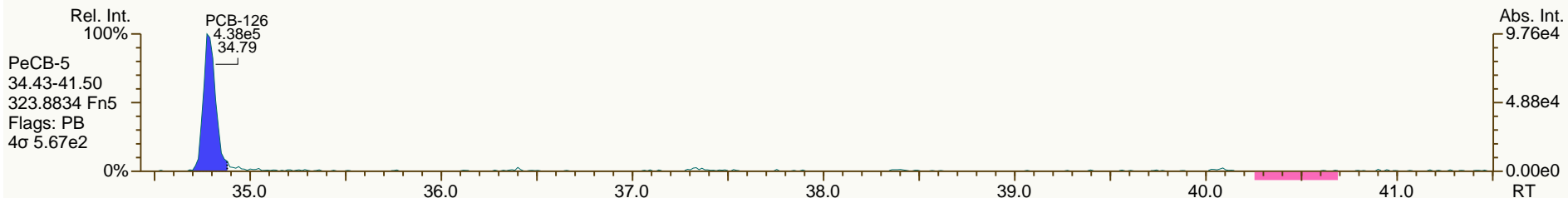
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

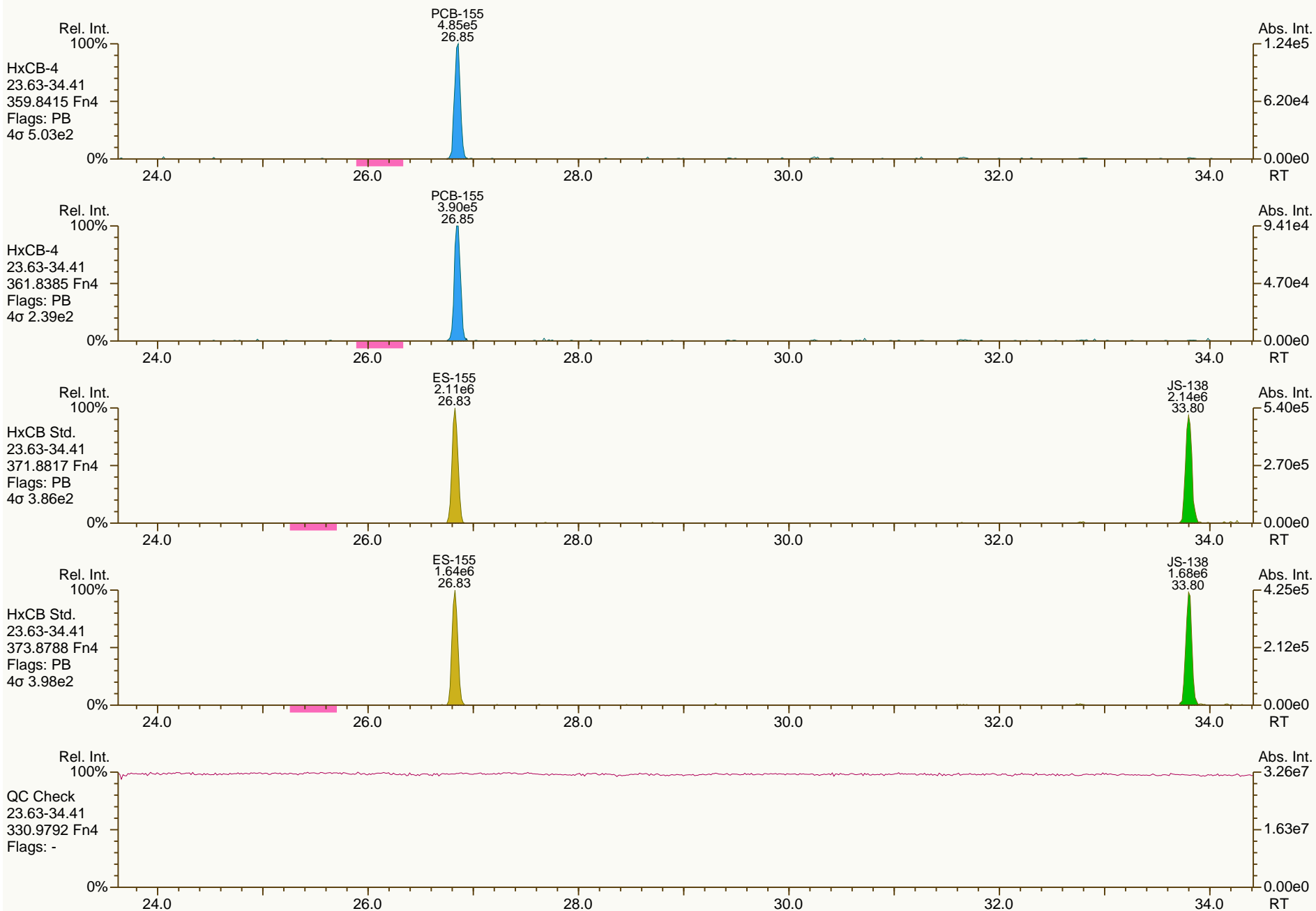
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Sample ID: OPR #71971
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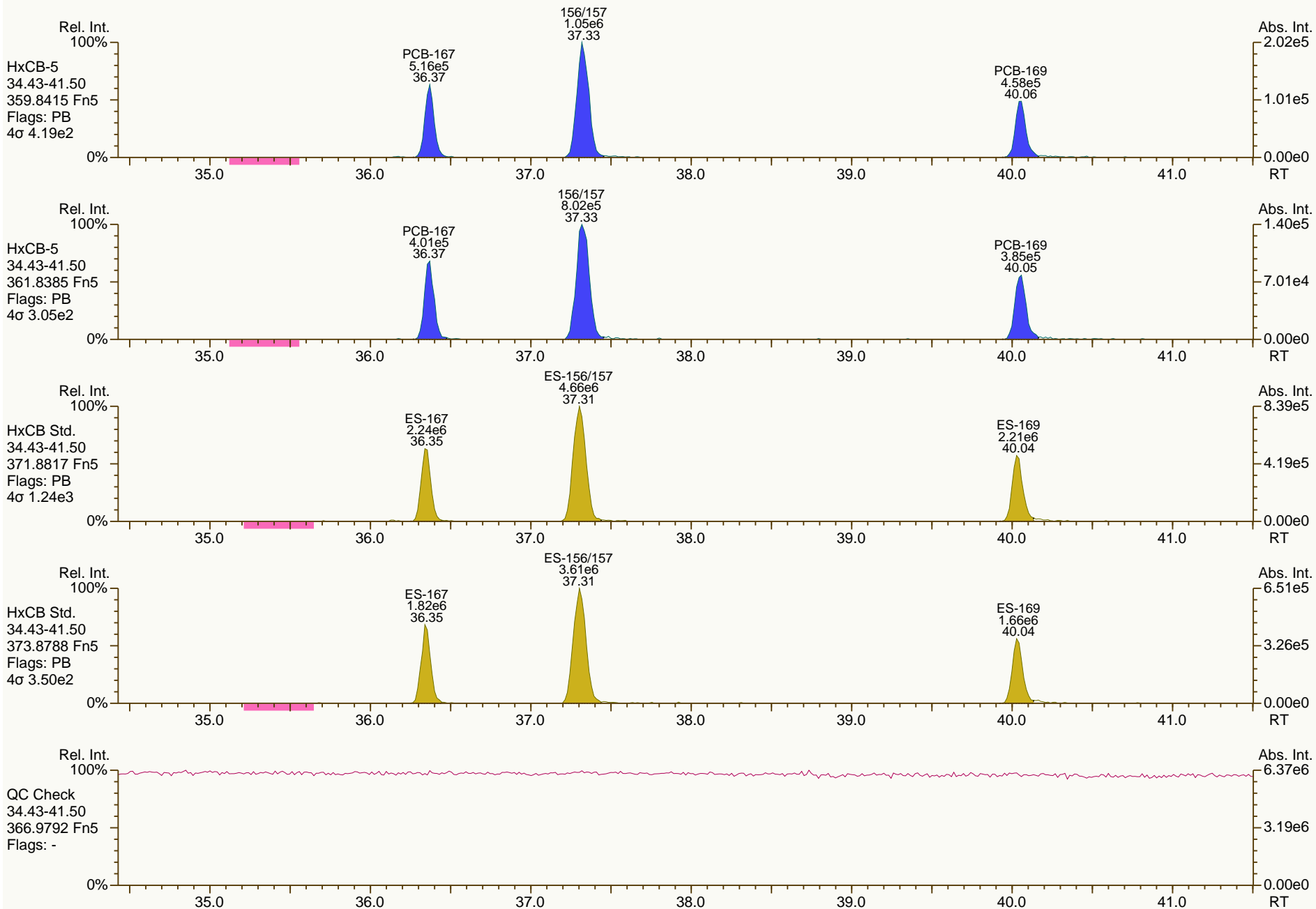
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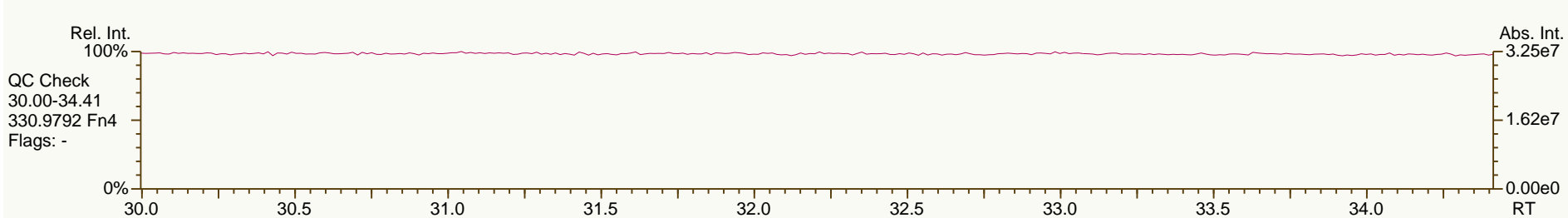
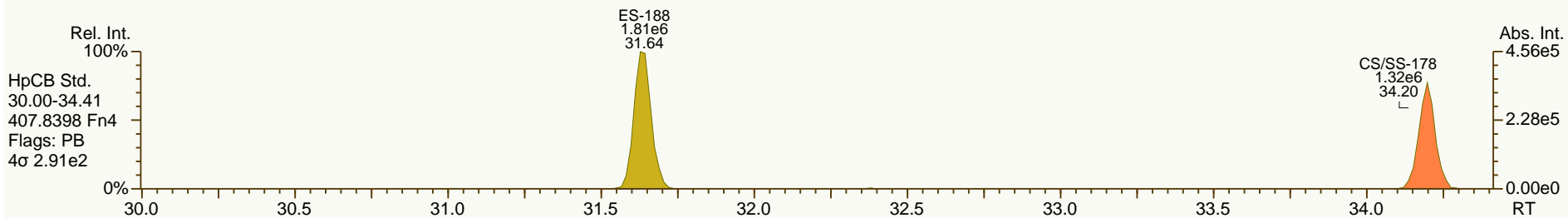
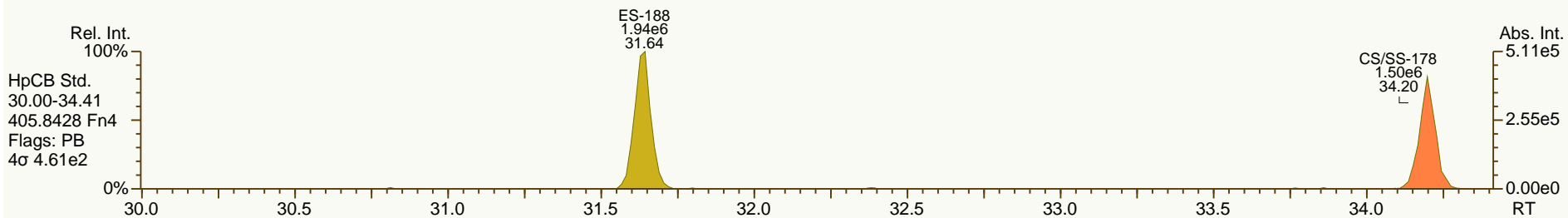
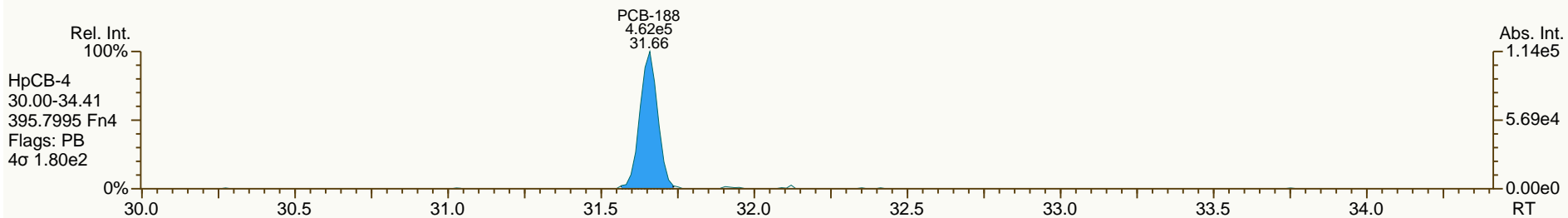
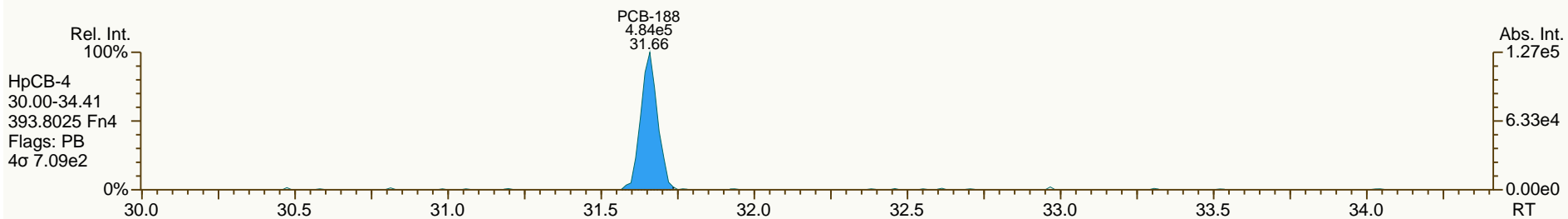
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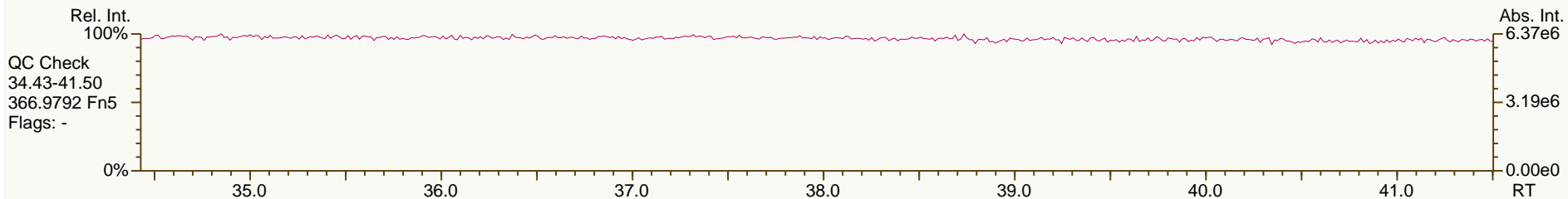
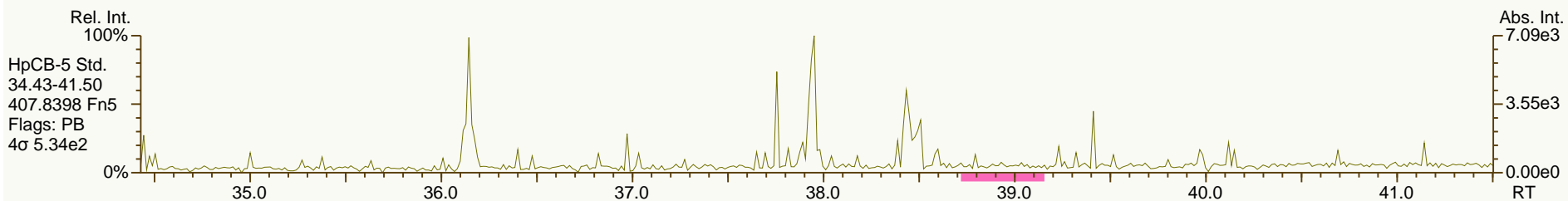
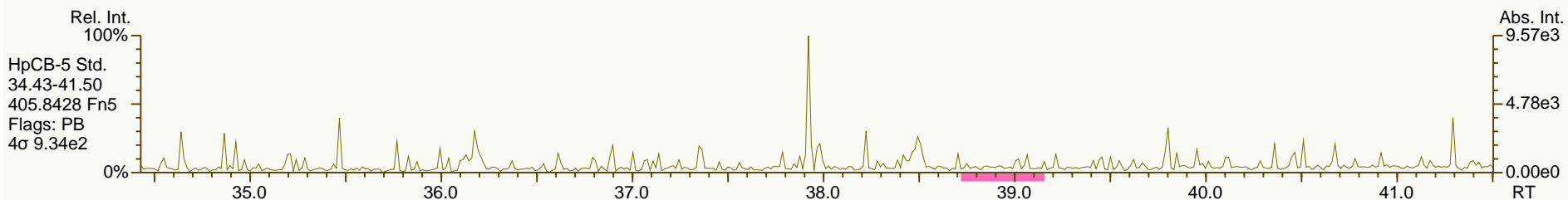
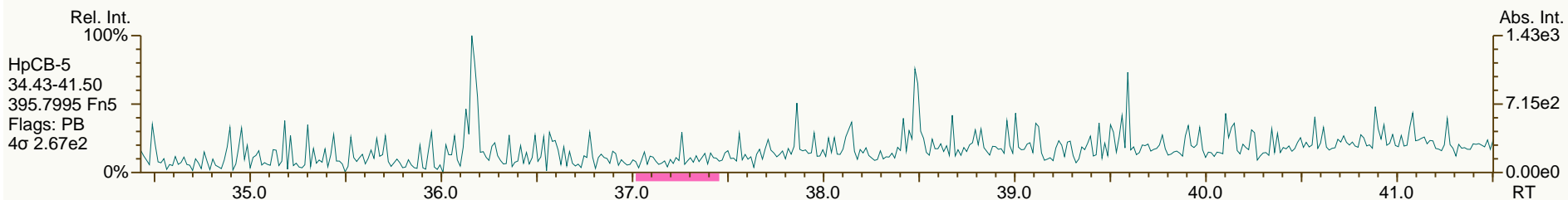
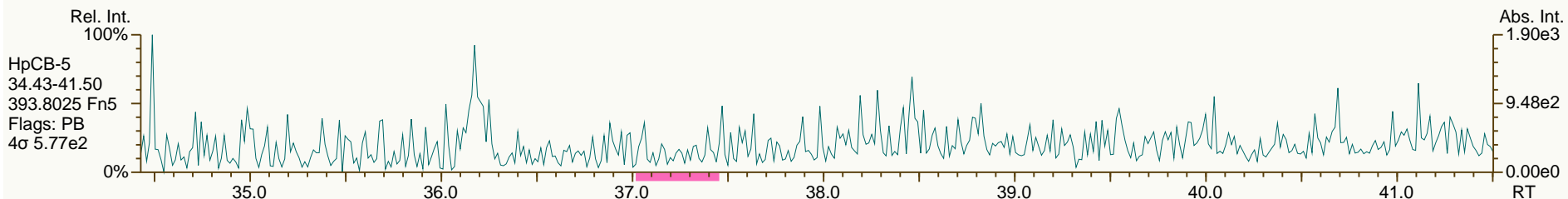
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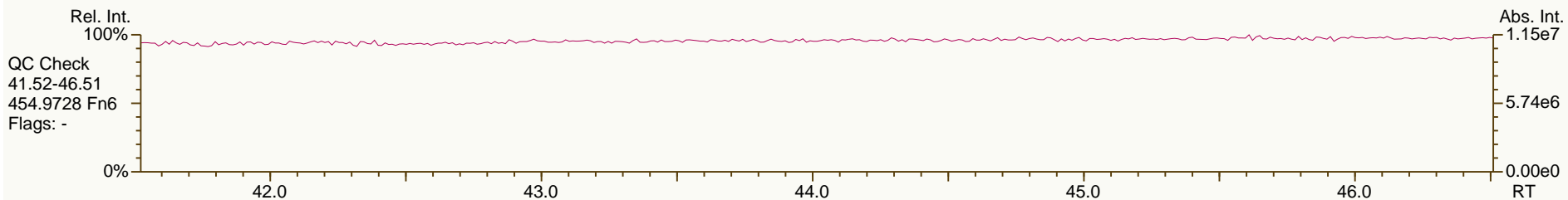
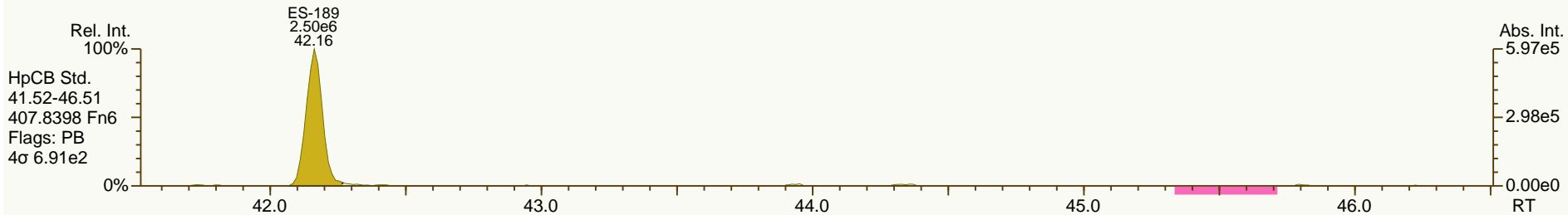
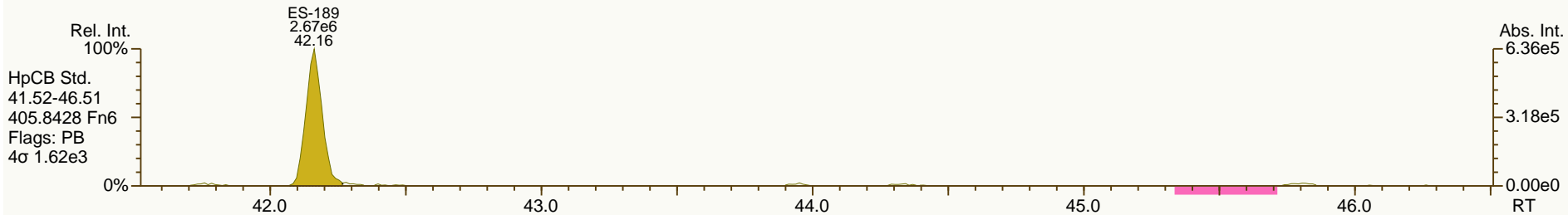
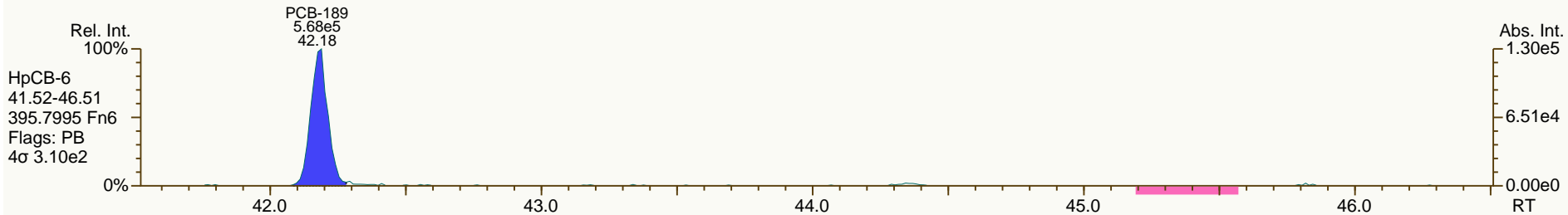
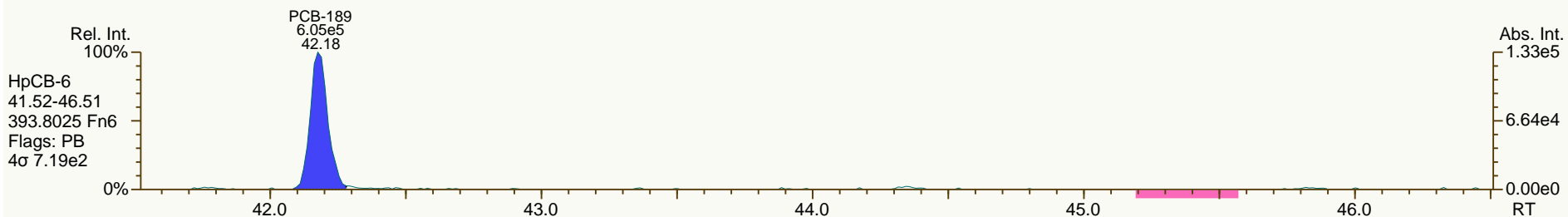
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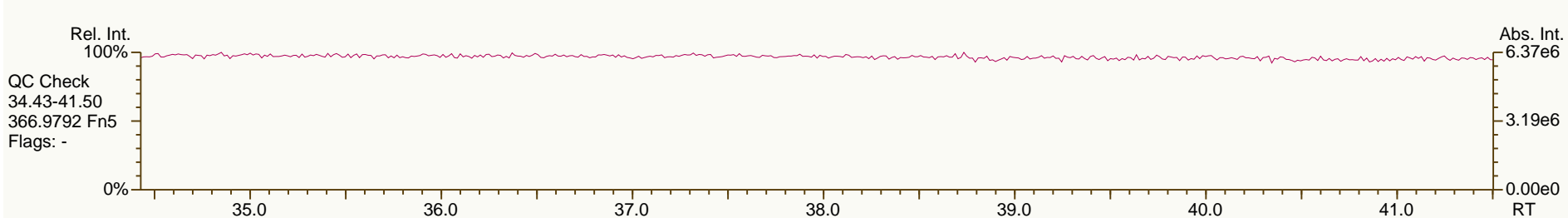
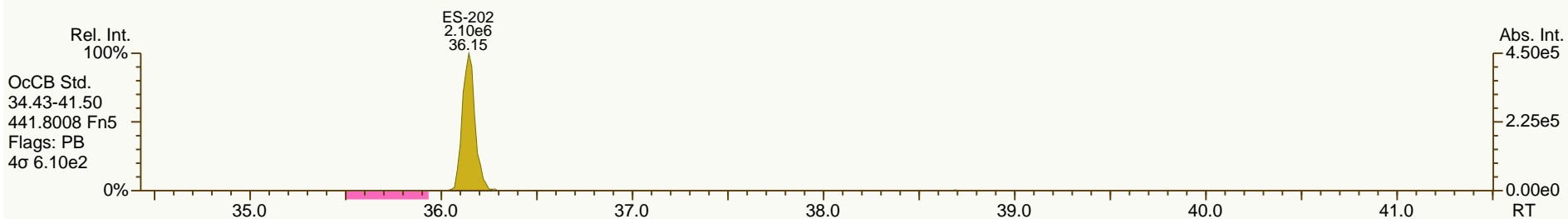
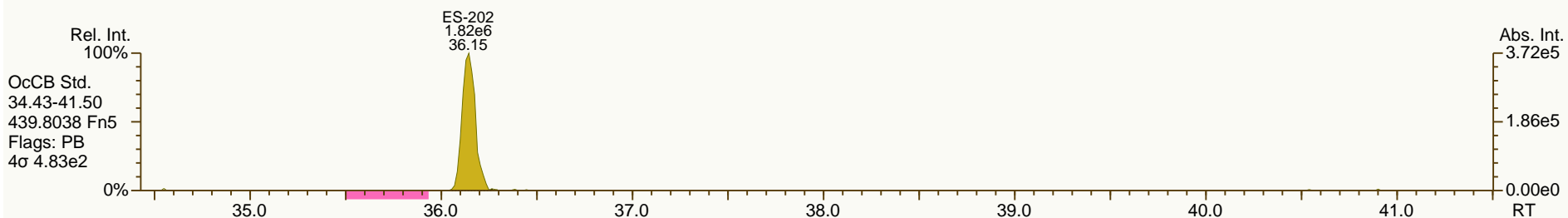
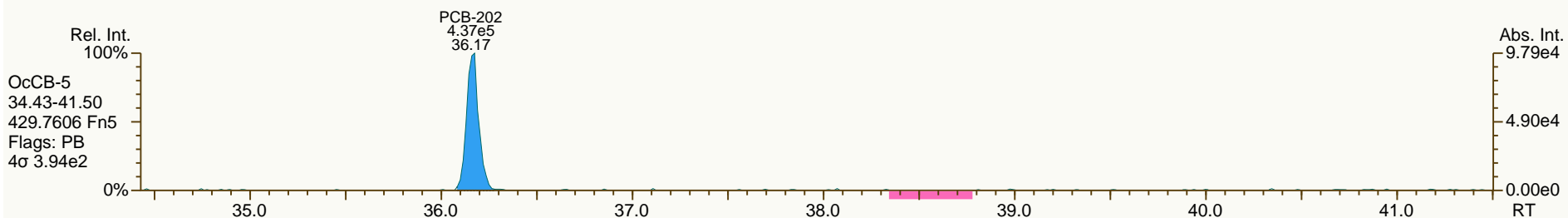
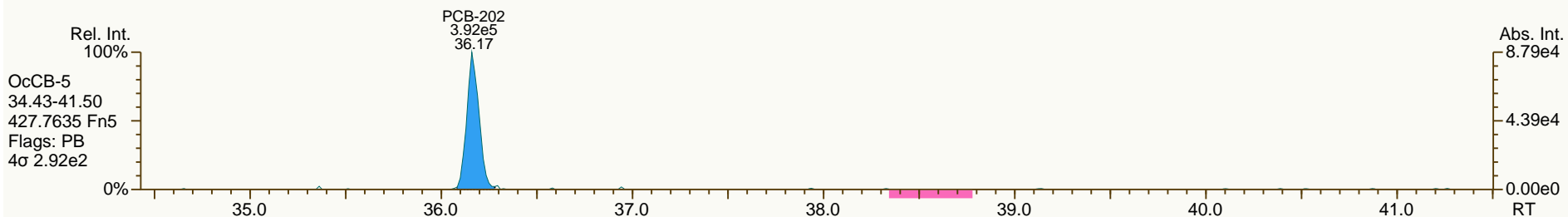
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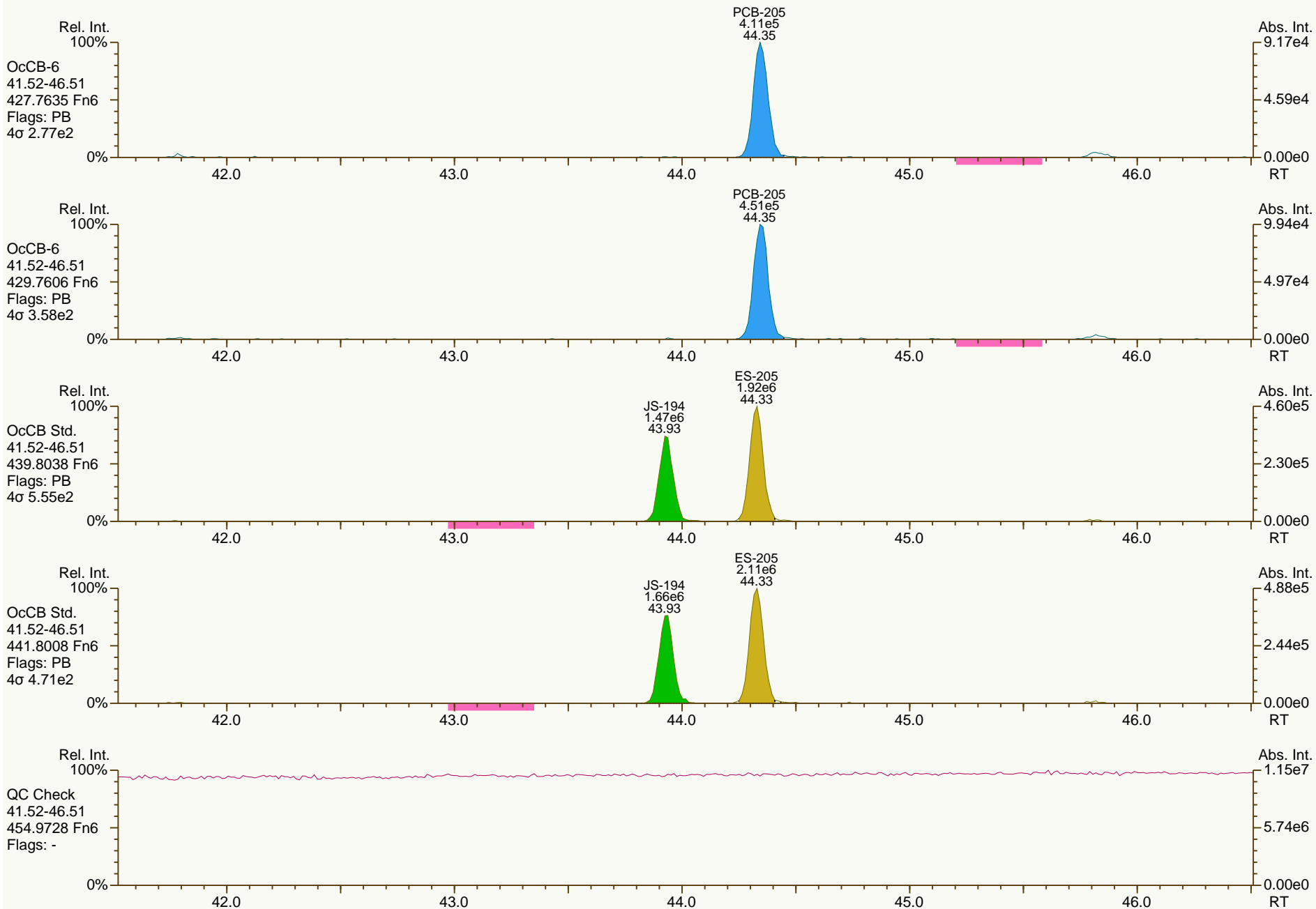
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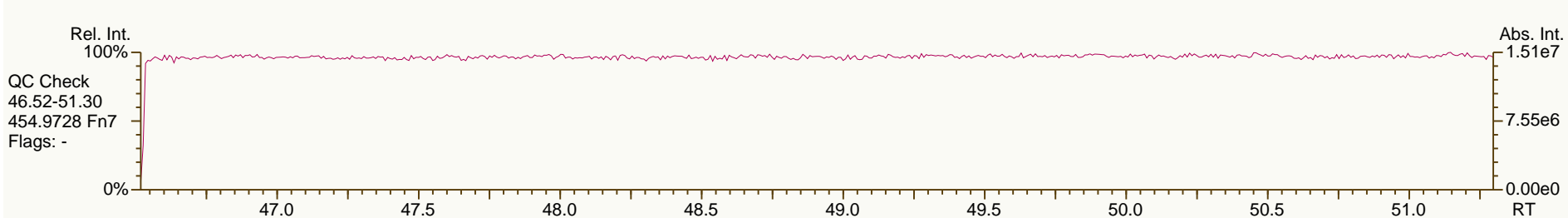
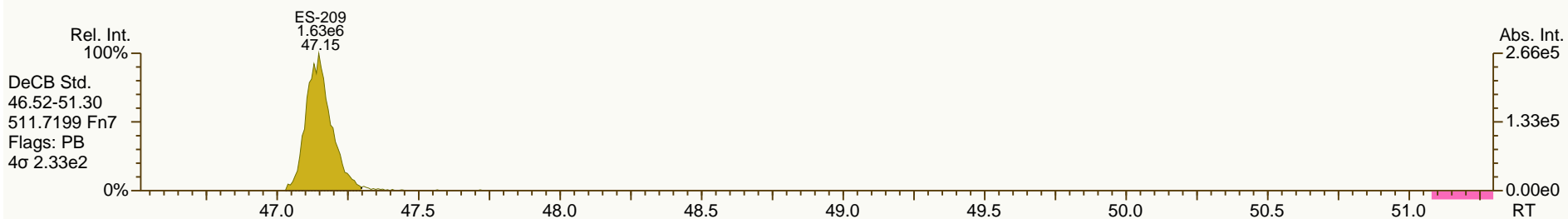
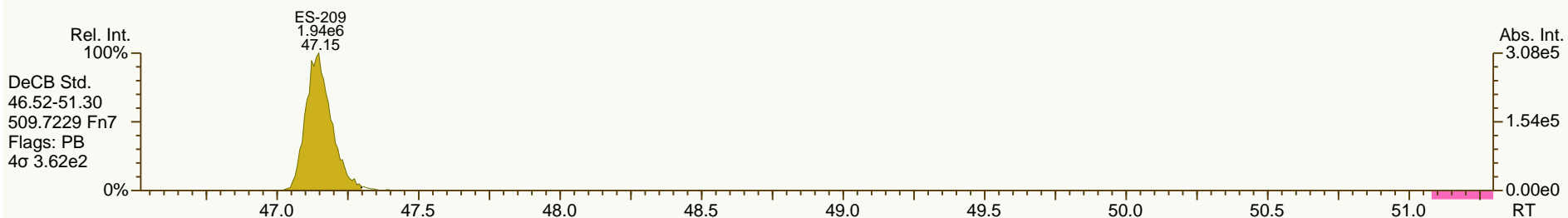
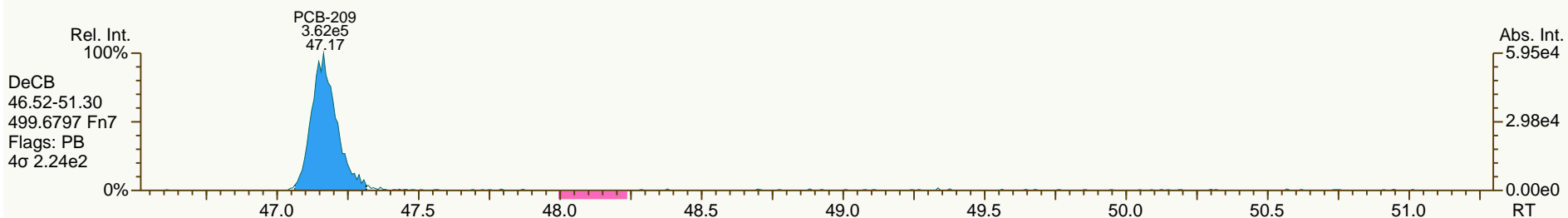
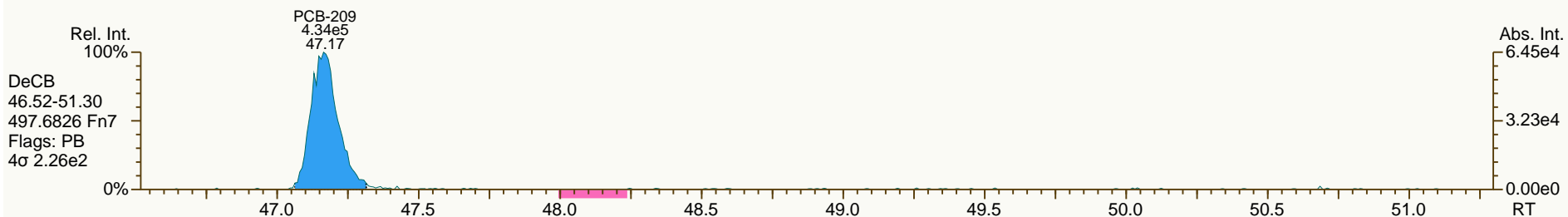
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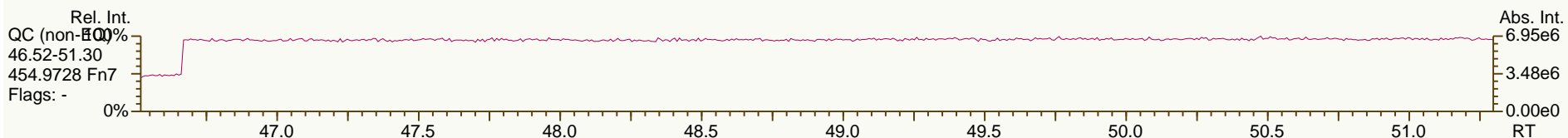
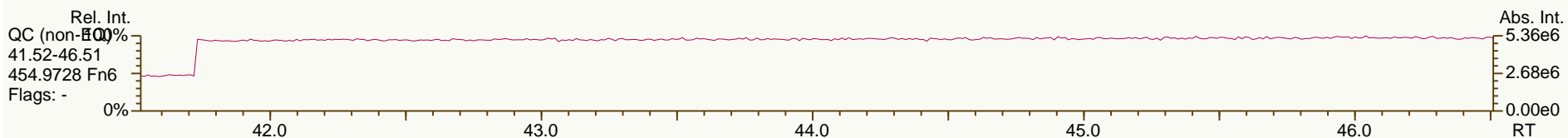
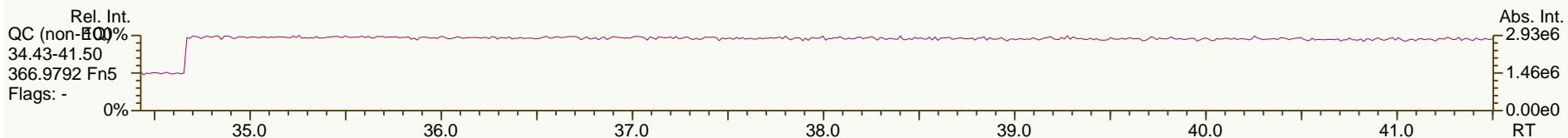
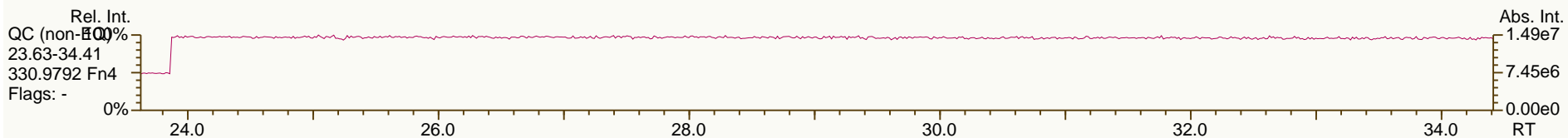
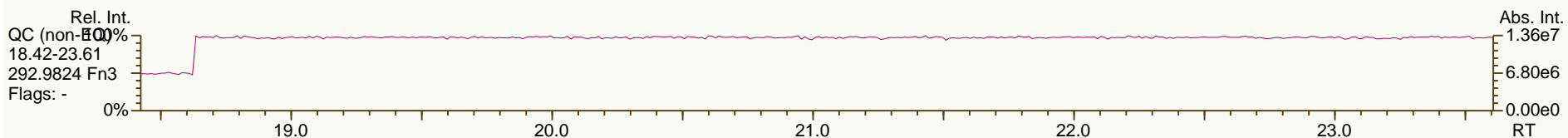
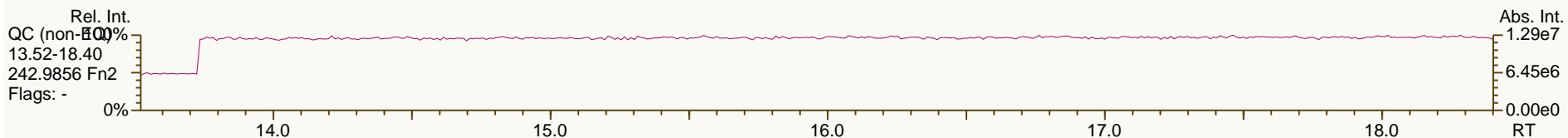
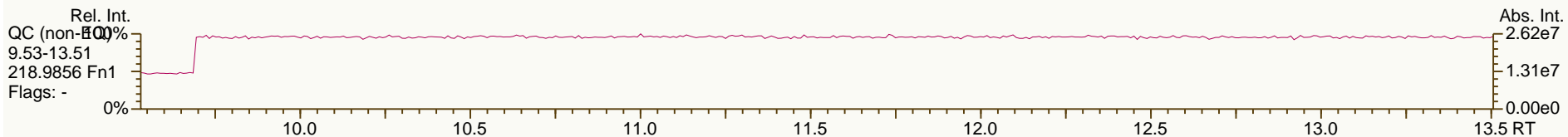
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 10

Acq: 29-Jun-2012 13:36:22
 User: LKB Datafile: 120629S06





9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners . The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4369
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	5 Tissues (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	05 11 2012, 5/18/2012
Condition Received	good
Temperature upon Receipt (C)	3.5, 6
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads "Todd Vilen". The signature is written in a cursive style.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Project ID: Jeld-Wen Surface Sediment

Sample Summary		SGS		ANALYTICAL PERSPECTIVES		1668B	
		Analyte	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516
		Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.172)	1.92	[1.29]	1.32	2.36	1.38	
PCB-81	(0.172)	(0.175)	(0.329)	(0.176)	(0.308)	(0.276)	
PCB-105	0.409	17.1	15.9	10.2	40.5	16.4	
PCB-114	(0.205)	1.09	0.821	[0.704]	2.07	0.834	
PCB-118	1.20	42.3	39.5	26.2	98.8	41.2	
PCB-123	(0.259)	1.14	1.15	[0.606]	1.84	[1.21]	
PCB-126	(0.146)	(0.239)	(0.382)	(0.256)	(0.402)	(0.322)	
PCB-156/157	(0.215)	5.14	5.01	3.31	11.6	6.00	
PCB-167	(0.17)	2.59	2.38	1.71	5.42	2.87	
PCB-169	(0.183)	(0.144)	(0.324)	(0.209)	(0.479)	(0.292)	
PCB-189	(0.133)	(0.141)	(0.262)	(0.165)	0.628	(0.204)	
Total Mono-CBs	(0.258)	4.94	6.69	4.06	5.36	4.36	
Total Di-CBs	7.82	69.2	144	67.1	148	157	
Total Tri-CBs	2.50	72.2	58.5	43.7	204	1460	
Total Tetra-CBs	4.72	204	161	127	422	1600	
Total Penta-CBs	6.98	390	343	236	883	476	
Total Hexa-CBs	5.19	388	384	276	890	413	
Total Hepta-CBs	(0.233)	135	137	95.5	265	101	
Total Octa-CBs	(0.196)	26.1	25.5	23.0	71.5	17.0	
Total Nona-CBs	(0.243)	1.01	(0.404)	(0.331)	0.641	(0.389)	
PCB-209	(0.216)	(0.139)	(0.247)	(0.246)	(0.381)	(0.362)	
TEQs (WHO 2005 M/H)							
ND = 0; EMPC = 0	0.0000483	0.00227	0.00194	0.00138	0.00506	0.00216	
ND = 0; EMPC = EMPC	0.0000483	0.00227	0.00207	0.00142	0.00506	0.00219	
ND = DL/2; EMPC = 0	0.0101	0.0164	0.0259	0.0174	0.0324	0.0227	
ND = DL/2; EMPC = EMPC	0.0101	0.0164	0.0261	0.0174	0.0324	0.0227	
ND = DL; EMPC = 0	0.0202	0.0306	0.0500	0.0333	0.0597	0.0433	
ND = DL; EMPC = EMPC	0.0202	0.0306	0.0500	0.0334	0.0597	0.0433	

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ

719-616-NVW

962-167-BHP

() = DL

[] = EMPC

Project ID: Jeld-Wen Surface Sediment

Analyte	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516	JW-EA01-TISSUE-120516
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.172)	320	[323]	264	472	275
PCB-81	(0.172)	(29.1)	(82.3)	(35.3)	(61.6)	(55.1)
PCB-105	0.409	2850	3970	2050	8110	3280
PCB-114	(0.205)	182	205	[141]	414	167
PCB-118	1.20	7060	9870	5240	19800	8240
PCB-123	(0.259)	190	289	[121]	367	[242]
PCB-126	(0.146)	(39.9)	(95.4)	(51.2)	(80.3)	(64.5)
PCB-156/157	(0.215)	856	1250	662	2320	1200
PCB-167	(0.17)	431	596	341	1080	574
PCB-169	(0.183)	(24)	(80.9)	(41.9)	(95.9)	(58.4)
PCB-189	(0.133)	(23.5)	(65.4)	(33.1)	126	(40.8)
Total Mono-CBs	(0.258)	823	1670	813	1070	872
Total Di-CBs	7.82	11500	35900	13400	29600	31400
Total Tri-CBs	2.50	12000	14600	8750	40800	292000
Total Tetra-CBs	4.72	33900	40200	25400	84400	319000
Total Penta-CBs	6.98	65000	85800	47300	177000	95100
Total Hexa-CBs	5.19	64700	96100	55300	178000	82500
Total Hepta-CBs	(0.233)	22400	34300	19100	53000	20300
Total Octa-CBs	(0.196)	4350	6370	4590	14300	3400
Total Nona-CBs	(0.243)	169	(101)	(66.2)	128	(77.8)
PCB-209	(0.216)	(23.2)	(61.9)	(49.2)	(76.2)	(72.4)
TEQs (WHO 2005 M/H)						
ND = 0; EMPC = 0	0.0000483	0.379	0.485	0.275	1.01	0.431
ND = 0; EMPC = EMPC	0.0000483	0.379	0.518	0.283	1.01	0.439
ND = DL/2; EMPC = 0	0.0101	2.74	6.49	3.47	6.48	4.54
ND = DL/2; EMPC = EMPC	0.0101	2.74	6.51	3.48	6.48	4.55
ND = DL; EMPC = 0	0.0202	5.10	12.5	6.67	11.9	8.65
ND = DL; EMPC = EMPC	0.0202	5.10	12.5	6.67	11.9	8.66

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ


719-616-NVV

962-167-BHP

() = DL

[] = EMPC

Project ID: Jeld-Wen Surface Sediment

PCB Recoveries				1668B		
Standard	MB #73562	JW-UR-TISSUE-120508	JW-DR-TISSUE-120508	JW-RG-TISSUE-120508	JW-E10-TISSUE-120516	JW-EA01-TISSUE-120516
ES PCB-1	48.0	60.3	56.5	57.2	56.2	57.3
ES PCB-3	46.4	62.2	56.9	56.8	55.2	53.6
ES PCB-4	42.5	56.4	52.4	52.3	51.7	51.0
ES PCB-15	50.5	69.9	64.8	63.5	61.8	58.0
ES PCB-19	49.3	66.9	61.8	62.2	59.9	57.2
ES PCB-37	69.9	89.4	86.5	80.3	81.4	80.8
ES PCB-54	49.7	66.1	64.2	62.5	61.5	57.5
ES PCB-77	92.9	105	103	96.4	102	93.5
ES PCB-81	90.3	107	108	101	107	99.0
ES PCB-104	42.9	57.9	55.9	57.2	57.9	53.7
ES PCB-105	81.9	86.3	86.8	87.3	91.1	83.2
ES PCB-114	75.1	82.1	86.6	86.1	85.8	80.8
ES PCB-118	74.0	85.2	87.5	85.8	92.6	84.1
ES PCB-123	67.4	74.6	77.7	77.5	81.9	74.6
ES PCB-126	85.3	90.5	92.7	86.9	89.0	82.3
ES PCB-155	62.8	84.0	83.2	80.1	83.7	73.9
ES PCB-156/157	92.9	106	94.8	103	105	92.1
ES PCB-167	92.2	104	105	101	103	90.6
ES PCB-169	87.3	92.6	95.3	89.1	91.5	74.3
ES PCB-188	61.6	72.0	75.3	70.9	73.0	65.0
ES PCB-189	85.5	96.9	97.0	94.7	98.3	89.7
ES PCB-202	77.3	85.4	88.3	83.6	86.3	73.9
ES PCB-205	88.8	91.1	93.3	91.0	93.5	84.0
ES PCB-206	88.3	84.2	76.2	82.6	87.8	82.3
ES PCB-208	85.9	92.4	92.9	90.8	93.0	83.9
ES PCB-209	83.6	81.6	80.1	81.6	81.6	73.4

Checkcode

749-048-MGJ

869-474-PHP

012-099-BQG

181-066-NFQ

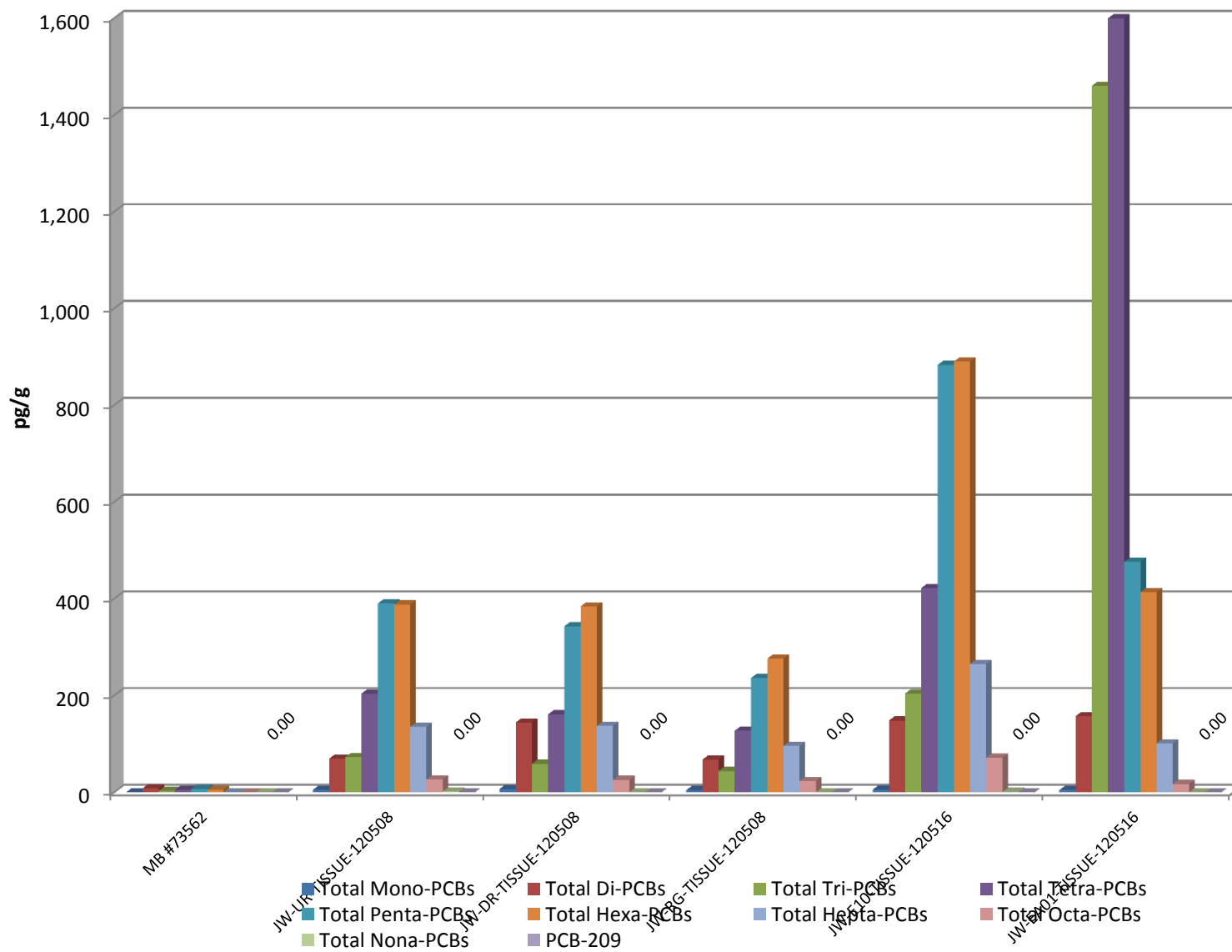
719-616-NVW

962-167-BHP

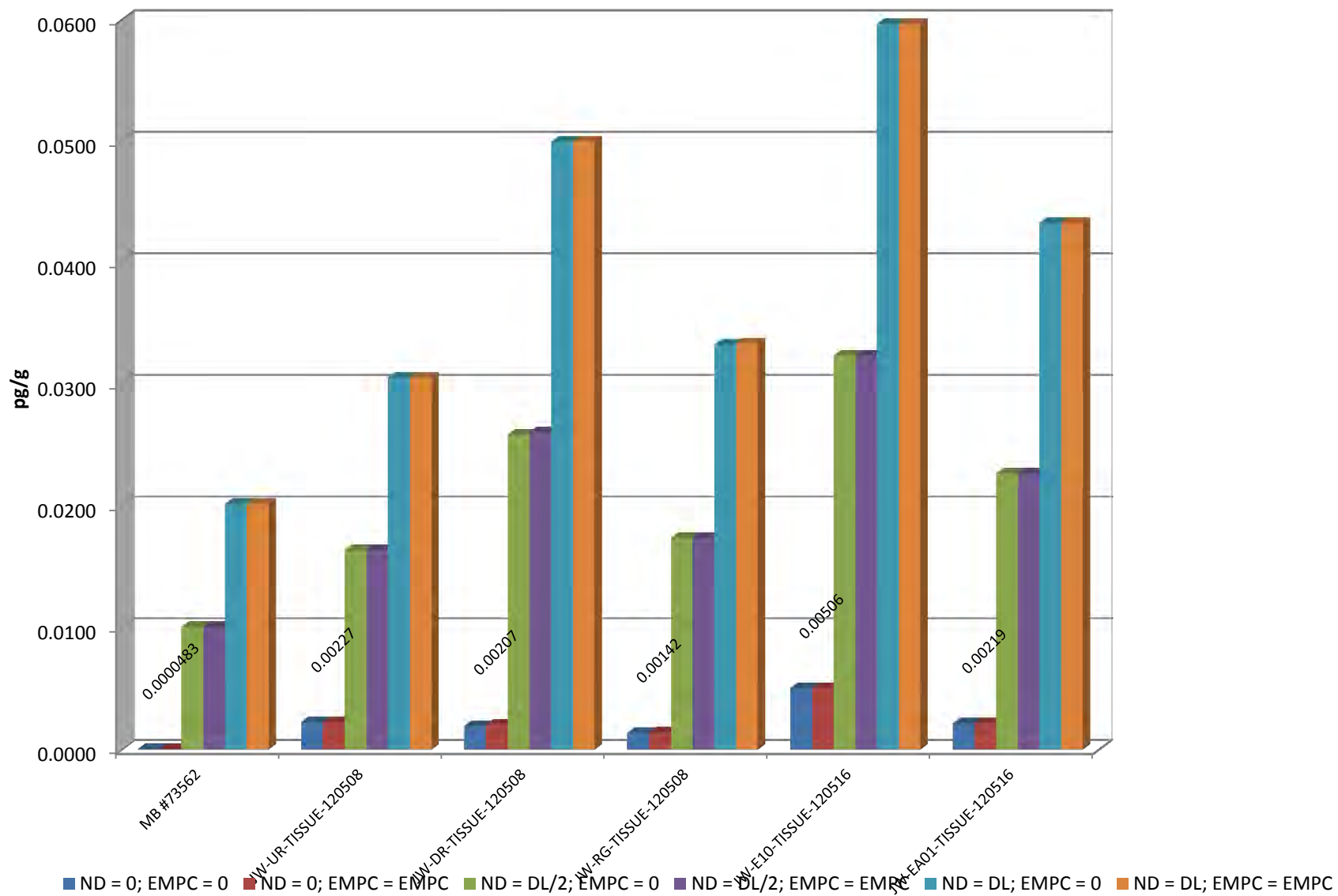
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[] = EMPC

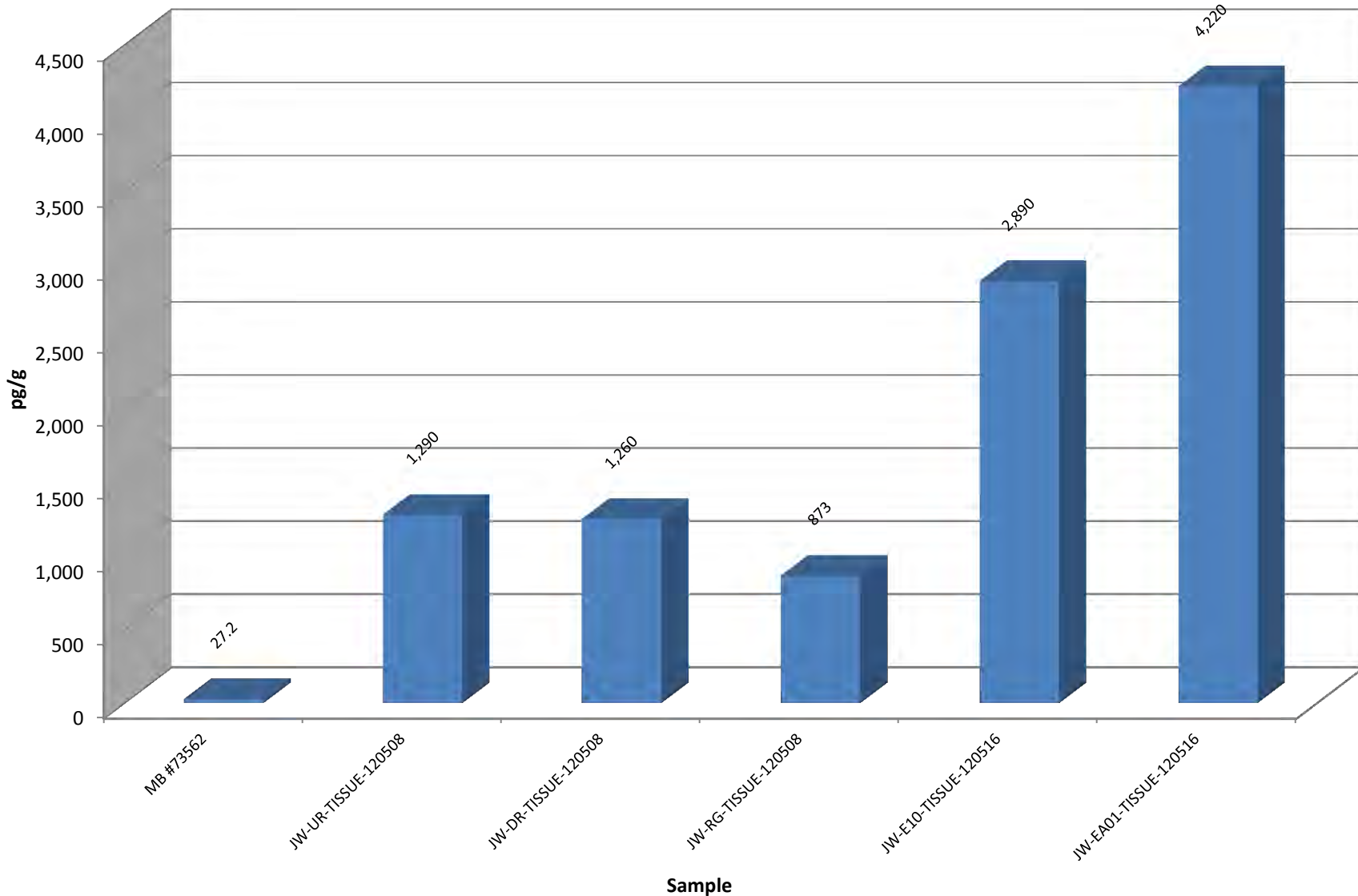
PCB Homologues
Project ID: Jeld-Wen Surface Sediment
A4369



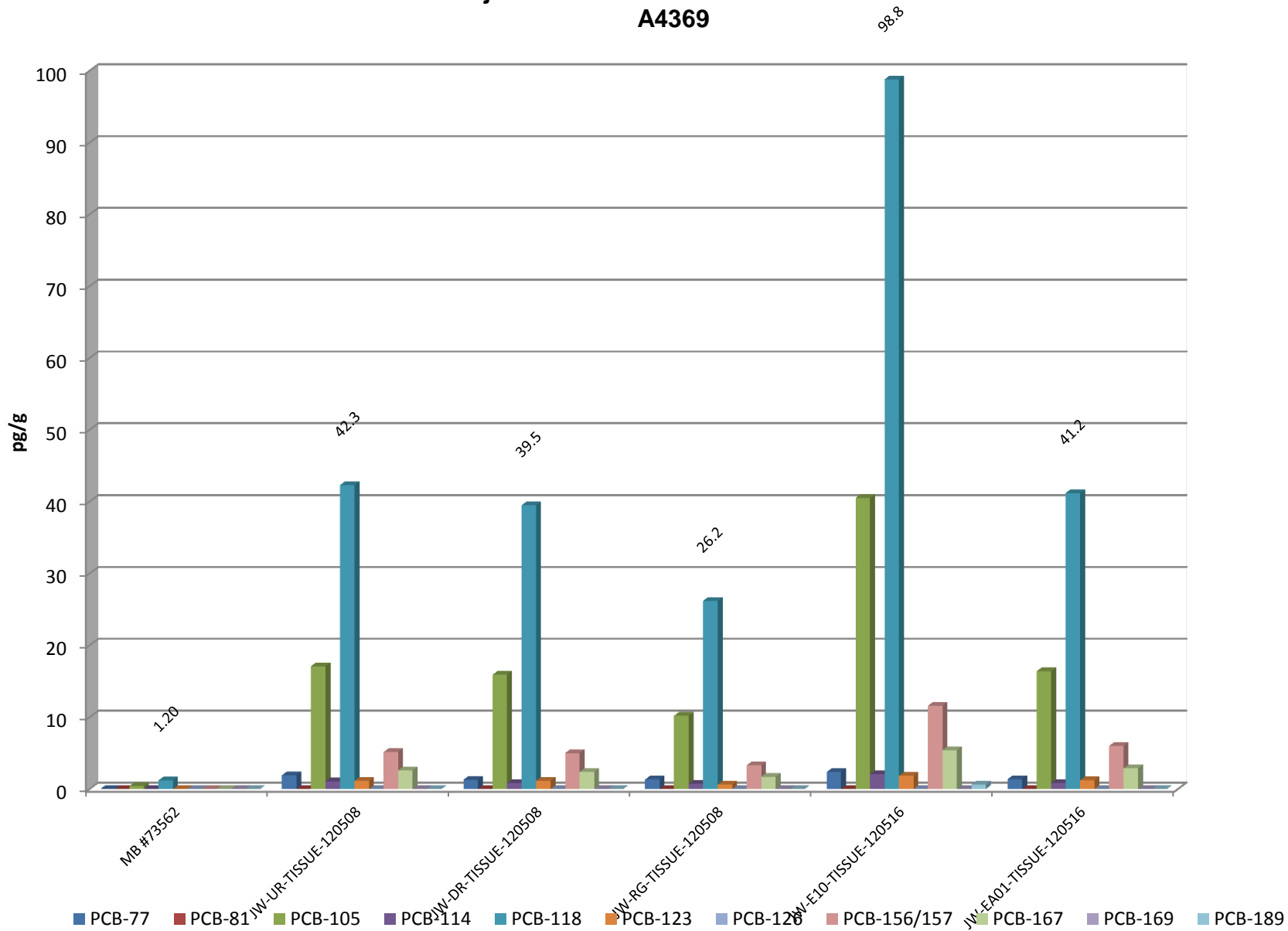
PCB TEQ
Project ID: Jeld-Wen Surface Sediment
A4369



PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4369



PCB WHO
Project ID: Jeld-Wen Surface Sediment
A4369



Sample ID: MB #73562**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.00 g	Sample ID:	MB1_9892_PCB_SDS	Date Extracted:	31-May-2012
Date Collected:	n/a	% Lipids	n/a	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44"-TeCB	ND	0.172			ES PCB-1	48	
PCB-81 344'5'-TeCB	ND	0.172			ES PCB-3	46.4	
PCB-105 233'44'-PeCB	0.409			J	ES PCB-4	42.5	
PCB-114 2344'5'-PeCB	ND	0.205			ES PCB-15	50.5	
PCB-118 23'44'5'-PeCB	1.2				ES PCB-19	49.3	
PCB-123 23'44'5'-PeCB	ND	0.259			ES PCB-37	69.9	
PCB-126 33'44'5'-PeCB	ND	0.146			ES PCB-54	49.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.215		C	ES PCB-77	92.9	
PCB-167 23'44'55'-HxCB	ND	0.17			ES PCB-81	90.3	
PCB-169 33'44'55'-HxCB	ND	0.183			ES PCB-104	42.9	
PCB-189 233'44'55'-HpCB	ND	0.133			ES PCB-105	81.9	
					ES PCB-114	75.1	
TEQs (WHO M/H)					ES PCB-118	74	
					ES PCB-123	67.4	
ND = 0	0.0000483			0.0000483	ES PCB-126	85.3	
ND = 0.5 x DL	0.0101			0.0101			
					ES PCB-155	62.8	
Totals					ES PCB-156/157	92.9	
					ES PCB-167	92.2	
Mono-CBs	ND	0.258			ES PCB-169	87.3	
Di-CBs	7.82						
Tri-CBs	2.5						
Tetra-CBs	4.72				ES PCB-188	61.6	
Penta-CBs	6.98				ES PCB-189	85.5	
Hexa-CBs	5.19				ES PCB-202	77.3	
Hepta-CBs	ND	0.233			ES PCB-205	88.8	
Octa-CBs	ND	0.196			ES PCB-206	88.3	
Nona-CBs	ND	0.243			ES PCB-208	85.9	
Deca-CB	ND	0.216			ES PCB-209	83.6	
					CS PCB-28	79.9	
Total PCB (Mono-Deca)	27.2			27.2	CS PCB-111	82.8	
					CS PCB-178	73.8	

Checkcode: 749-048-MGJ

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:31 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #73562 Method 1668B

Client Data		Sample Data			Laboratory Data					
Name:	JELD-WEN, Inc.	Matrix:		Tissue	Project No.:	A4369	Date Received:	n/a		
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.00 g		Sample ID:	MB1_9892_PCB_SDS	Date Extracted:	31-May-2012		
Date Collected:	n/a	% Lipids	n/a		QC Batch No.:	9892	Date Analyzed:	03-Jul-2012		
		Units	pg/g		Checkcode:	749-048-MGJ	Time Analyzed:	17:07:28		

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(0.221)		PCB-19	(0.407)		PCB-54	(0.269)		PCB-72	(0.191)	
PCB-2	(0.291)		PCB-30/18	0.674	J C	PCB-50/53	(0.216)	C	PCB-68	(0.175)	
PCB-3	(0.295)		PCB-17	(0.393)		PCB-45	(0.262)		PCB-57	(0.195)	
			PCB-27	(0.299)		PCB-51	(0.212)		PCB-58	(0.192)	
Conc.	0		PCB-24	(0.316)		PCB-46	(0.263)		PCB-67	(0.182)	
EMPC	0		PCB-16	(0.482)		PCB-52	1.57		PCB-63	(0.175)	
			PCB-32	(0.281)		PCB-73	(0.183)		PCB-61/70/74/76	1.1	J C
Di	Conc.	Qualifiers	PCB-34	(0.271)		PCB-43	(0.253)		PCB-66	0.555	J
PCB-4	(5.4)		PCB-23	(0.263)		PCB-69/49	0.575	J C	PCB-55	(0.195)	
PCB-10	(3.06)		PCB-26/29	(0.26)	C	PCB-48	(0.233)		PCB-56	(0.201)	
PCB-9	(4.04)		PCB-25	(0.26)		PCB-44/47/65	0.923	J C	PCB-60	(0.196)	
PCB-7	(3.43)		PCB-31	0.611	J	PCB-59/62/75	(0.168)	C	PCB-80	(0.174)	
PCB-6	(3.75)		PCB-28/20	0.866	J C	PCB-42	(0.248)		PCB-79	(0.177)	
PCB-5	(3.82)		PCB-21/33	0.349	J C	PCB-41	(0.279)		PCB-78	(0.21)	
PCB-8	(3.56)		PCB-22	(0.276)		PCB-71/40	(0.223)	C	PCB-81	(0.172)	
PCB-14	(3.26)		PCB-36	(0.267)		PCB-64	(0.163)		PCB-77	(0.172)	
PCB-11	7.82		PCB-39	(0.254)							
PCB-13/12	(3.81)	C	PCB-38	(0.284)							
PCB-15	(3.57)		PCB-35	(0.291)							
			PCB-37	(0.28)							
Conc.	7.82		Conc.	2.5					Conc.	4.72	
EMPC	7.82		EMPC	2.5					EMPC	4.72	

SGS 
 2714 Exchange Drive
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Totals	Conc.	EMPC
Mono-Tri	10.3	10.3
Tetra-Hexa	16.9	16.9
Hepta-Deca	0	0
Mono-Deca	27.2	27.2

Sample ID: MB #73562						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.285)		PCB-109/119/86...	0.979	J C	PCB-155	(0.185)		PCB-165	(0.237)	
PCB-96	(0.293)		PCB-117	(0.341)		PCB-152	(0.199)		PCB-146	(0.27)	
PCB-103	(0.29)		PCB-116/85	(0.243)	C	PCB-150	(0.196)		PCB-161	(0.207)	
PCB-94	(0.332)		PCB-110	1.56		PCB-136	(0.213)		PCB-153/168	1.37	J C
PCB-95	1.52		PCB-115	(0.239)		PCB-145	(0.21)		PCB-141	(0.293)	
PCB-100/93	(0.312)	C	PCB-82	(0.381)		PCB-148	(0.271)		PCB-130	(0.318)	
PCB-102	(0.272)		PCB-111	(0.238)		PCB-151/135	(0.274)	C	PCB-137	(0.271)	
PCB-98	(0.353)		PCB-120	(0.235)		PCB-154	(0.247)		PCB-164	(0.21)	
PCB-88	(0.354)		PCB-108/124	(0.251)	C	PCB-144	(0.273)		PCB-163/138/129	1.99	J C
PCB-91	(0.283)		PCB-107	(0.228)		PCB-147/149	1.84	J C	PCB-160	(0.214)	
PCB-84	(0.365)		PCB-123	(0.259)		PCB-134	(0.325)		PCB-158	(0.204)	
PCB-89	(0.35)		PCB-106	(0.246)		PCB-143	(0.281)		PCB-128/166	(0.204)	C
PCB-121	(0.238)		PCB-118	1.2		PCB-139/140	(0.261)	C	PCB-159	(0.174)	
PCB-92	(0.337)		PCB-122	(0.246)		PCB-131	(0.314)		PCB-162	(0.168)	
PCB-113/90/101	1.31	J C	PCB-114	(0.205)		PCB-142	(0.29)		PCB-167	(0.17)	
PCB-83	(0.387)		PCB-105	0.409	J	PCB-132	(0.292)		PCB-156/157	(0.215)	C
PCB-99	(0.313)		PCB-127	(0.229)		PCB-133	(0.294)		PCB-169	(0.183)	
PCB-112	(0.232)		PCB-126	(0.146)							
			Conc.	6.98					Conc.	5.19	
			EMPC	6.98					EMPC	5.19	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.245)		PCB-174	(0.35)		PCB-202	(0.232)		PCB-208	(0.221)	
PCB-179	(0.238)		PCB-177	(0.35)		PCB-201	(0.203)		PCB-207	(0.218)	
PCB-184	(0.248)		PCB-181	(0.3)		PCB-204	(0.212)		PCB-206	(0.265)	
PCB-176	(0.222)		PCB-171/173	(0.335)	C	PCB-197	(0.217)				
PCB-186	(0.231)		PCB-172	(0.242)		PCB-200	(0.229)		Conc.	0	
PCB-178	(0.318)		PCB-192	(0.191)		PCB-198/199	(0.284)	C	EMPC	0	
PCB-175	(0.312)		PCB-180/193	(0.206)	C	PCB-196	(0.28)				
PCB-187	(0.296)		PCB-191	(0.185)		PCB-203	(0.266)		Deca	Conc.	Qualifiers
PCB-182	(0.289)		PCB-170	(0.249)		PCB-195	(0.267)		PCB-209	(0.216)	
PCB-183	(0.269)		PCB-190	(0.19)		PCB-194	(0.242)				
PCB-185	(0.321)		PCB-189	(0.133)		PCB-205	(0.161)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-UR-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.02 g	Sample ID:	A4369_9892_PCB_001	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.6 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	1.92				ES PCB-1	60.3	
PCB-81 344'5'-TeCB	ND	0.175			ES PCB-3	62.2	
PCB-105 233'44'-PeCB	17.1				ES PCB-4	56.4	
PCB-114 2344'5'-PeCB	1.09				ES PCB-15	69.9	
PCB-118 23'44'5'-PeCB	42.3				ES PCB-19	66.9	
PCB-123 23'44'5'-PeCB	1.14				ES PCB-37	89.4	
PCB-126 33'44'5'-PeCB	ND	0.239			ES PCB-54	66.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	5.14			C	ES PCB-77	105	
PCB-167 23'44'55'-HxCB	2.59				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	0.144			ES PCB-104	57.9	
PCB-189 233'44'55'-HpCB	ND	0.141			ES PCB-105	86.3	
					ES PCB-114	82.1	
TEQs (WHO M/H)					ES PCB-118	85.2	
					ES PCB-123	74.6	
ND = 0	0.00227			0.00227	ES PCB-126	90.5	
ND = 0.5 x DL	0.0164			0.0164			
					ES PCB-155	84	
Totals					ES PCB-156/157	106	
					ES PCB-167	104	
Mono-CBs	4.94				ES PCB-169	92.6	
Di-CBs	69.2						
Tri-CBs	72.2						
Tetra-CBs	204			205	ES PCB-188	72	
Penta-CBs	390			391	ES PCB-189	96.9	
Hexa-CBs	388			389	ES PCB-202	85.4	
Hepta-CBs	135			137	ES PCB-205	91.1	
Octa-CBs	26.1				ES PCB-206	84.2	
Nona-CBs	1.01				ES PCB-208	92.4	
Deca-CB	ND	0.139			ES PCB-209	81.6	
					CS PCB-28	92.1	
Total PCB (Mono-Deca)	1,290			1,290	CS PCB-111	93.1	
					CS PCB-178	82.1	

Checkcode: 869-474-PHP

SGS AP PCB 2012 Rev. 1.4

Report Created: 06-Jul-2012 13:55 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-UR-TISSUE-120508 Method 1668B

Client Data		Sample Data		Laboratory Data	
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.02 g	Sample ID:	A4369_9892_PCB_001
Date Collected:	08-May-2012	% Lipids	0.6 %	QC Batch No.:	9892
		Units	pg/g	Checkcode:	869-474-PHP
				Date Received:	11-May-2012
				Date Extracted:	31-May-2012
				Date Analyzed:	03-Jul-2012
				Time Analyzed:	18:02:27

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.45		PCB-19	1.07		PCB-54	(0.114)		PCB-72	1.03	
PCB-2	2.08		PCB-30/18	8.95	C	PCB-50/53	2.81	C	PCB-68	0.596	J
PCB-3	1.41		PCB-17	4.72		PCB-45	2.2		PCB-57	[0.311]	J EMPC
			PCB-27	1.32		PCB-51	1.33		PCB-58	0.27	J
Conc.	4.94		PCB-24	(0.206)		PCB-46	0.935		PCB-67	3.44	
EMPC	4.94		PCB-16	3.91		PCB-52	34.8		PCB-63	1.05	
			PCB-32	3.44		PCB-73	(0.147)		PCB-61/70/74/76	40.8	C
Di	Conc.	Qualifiers	PCB-34	(0.239)		PCB-43	0.9	J	PCB-66	23.3	
PCB-4	2.44		PCB-23	(0.233)		PCB-69/49	15.2	C	PCB-55	0.775	J
PCB-10	(2.02)		PCB-26/29	3.64	C	PCB-48	4.07		PCB-56	9.65	
PCB-9	(1.37)		PCB-25	2.38		PCB-44/47/65	24.8	C	PCB-60	4.91	
PCB-7	(1.16)		PCB-31	12.3		PCB-59/62/75	3.13	C	PCB-80	(0.177)	
PCB-6	1.41		PCB-28/20	16.4	C	PCB-42	6.42		PCB-79	[0.535]	J EMPC
PCB-5	(1.3)		PCB-21/33	3.79	C	PCB-41	1.54		PCB-78	(0.214)	
PCB-8	3.55		PCB-22	4.94		PCB-71/40	8.76	C	PCB-81	(0.175)	
PCB-14	(1.11)		PCB-36	0.304	J	PCB-64	9.04		PCB-77	1.92	
PCB-11	59	B	PCB-39	(0.225)							
PCB-13/12	0.834	J C	PCB-38	(0.251)							
PCB-15	1.97		PCB-35	0.942							
			PCB-37	4.02							
Conc.	69.2		Conc.	72.2					Conc.	204	
EMPC	69.2		EMPC	72.2					EMPC	205	

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Totals	Conc.	EMPC
Mono-Tri	146	146
Tetra-Hexa	982	984
Hepta-Deca	162	164
Mono-Deca	1,290	1,290

Sample ID: JW-UR-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.2)		PCB-109/119/86...	34.3	C	PCB-155	[0.231]	J EMPC	PCB-165	(0.136)	
PCB-96	0.297	J	PCB-117	3.13		PCB-152	(0.115)		PCB-146	26.7	
PCB-103	0.928		PCB-116/85	9.45	C	PCB-150	[0.225]	J EMPC	PCB-161	(0.119)	
PCB-94	(0.639)		PCB-110	63.8		PCB-136	8.36		PCB-153/168	81	C
PCB-95	45.4		PCB-115	1.5		PCB-145	(0.121)		PCB-141	6.37	
PCB-100/93	[0.948]	J EMPC C	PCB-82	6.48		PCB-148	0.614	J	PCB-130	9.28	
PCB-102	1.67		PCB-111	(0.458)		PCB-151/135	37.2	C	PCB-137	5.03	
PCB-98	(0.679)		PCB-120	0.652	J	PCB-154	2		PCB-164	5.74	
PCB-88	(0.681)		PCB-108/124	2.27	C	PCB-144	3.14		PCB-163/138/129	83.4	C
PCB-91	7.39		PCB-107	4.87		PCB-147/149	63.8	C	PCB-160	(0.123)	
PCB-84	11.2		PCB-123	1.14		PCB-134	4.95		PCB-158	7.7	
PCB-89	(0.673)		PCB-106	(0.473)		PCB-143	(0.162)		PCB-128/166	10.3	C
PCB-121	(0.458)		PCB-118	42.3		PCB-139/140	1.82	C	PCB-159	(0.121)	
PCB-92	22.6		PCB-122	(0.448)		PCB-131	0.935		PCB-162	[0.331]	J EMPC
PCB-113/90/101	66.1	C	PCB-114	1.09		PCB-142	(0.167)		PCB-167	2.59	
PCB-83	5.51		PCB-105	17.1		PCB-132	17.3		PCB-156/157	5.14	C
PCB-99	40.8		PCB-127	(0.438)		PCB-133	4.83		PCB-169	(0.144)	
PCB-112	(0.445)		PCB-126	(0.239)							
			Conc.	390					Conc.	388	
			EMPC	391					EMPC	389	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.158)		PCB-174	7.72		PCB-202	6.5		PCB-208	0.269	J
PCB-179	9.5		PCB-177	16.7		PCB-201	1.97		PCB-207	(0.171)	
PCB-184	(0.161)		PCB-181	(0.215)		PCB-204	(0.138)		PCB-206	0.745	J
PCB-176	1.83		PCB-171/173	5.21	C	PCB-197	0.647	J			
PCB-186	(0.15)		PCB-172	[0.8]	J EMPC	PCB-200	(0.148)		Conc.	1.01	
PCB-178	11.9		PCB-192	(0.157)		PCB-198/199	9.23	C	EMPC	1.01	
PCB-175	1.26		PCB-180/193	23.1	C	PCB-196	2.66				
PCB-187	40.8		PCB-191	0.599	J	PCB-203	2.47		Deca	Conc.	Qualifiers
PCB-182	(0.208)		PCB-170	4.82		PCB-195	0.797	J	PCB-209	(0.139)	
PCB-183	11.2		PCB-190	[1.49]	EMPC	PCB-194	1.84				
PCB-185	(0.23)		PCB-189	(0.141)		PCB-205	(0.125)				
			Conc.	135		Conc.	26.1				
			EMPC	137		EMPC	26.1				

Sample ID: JW-DR-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.70 g	Sample ID:	A4369_9892_PCB_002	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.4 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	EMPC		1.29		ES PCB-1	56.5	
PCB-81 344'5'-TeCB	ND	0.329			ES PCB-3	56.9	
PCB-105 233'44'-PeCB	15.9				ES PCB-4	52.4	
PCB-114 2344'5'-PeCB	0.821			J	ES PCB-15	64.8	
PCB-118 23'44'5'-PeCB	39.5				ES PCB-19	61.8	
PCB-123 23'44'5'-PeCB	1.15				ES PCB-37	86.5	
PCB-126 33'44'5'-PeCB	ND	0.382			ES PCB-54	64.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	5.01			C	ES PCB-77	103	
PCB-167 23'44'55'-HxCB	2.38				ES PCB-81	108	
PCB-169 33'44'55'-HxCB	ND	0.324			ES PCB-104	55.9	
PCB-189 233'44'55'-HpCB	ND	0.262			ES PCB-105	86.8	
					ES PCB-114	86.6	
TEQs (WHO M/H)					ES PCB-118	87.5	
					ES PCB-123	77.7	
ND = 0	0.00194		0.00207		ES PCB-126	92.7	
ND = 0.5 x DL	0.0259		0.0261				
					ES PCB-155	83.2	
Totals					ES PCB-156/157	94.8	
					ES PCB-167	105	
Mono-CBs	6.69				ES PCB-169	95.3	
Di-CBs	144						
Tri-CBs	58.5		62.5				
Tetra-CBs	161		164		ES PCB-188	75.3	
Penta-CBs	343		344		ES PCB-189	97	
Hexa-CBs	384		389		ES PCB-202	88.3	
Hepta-CBs	137		139		ES PCB-205	93.3	
Octa-CBs	25.5		30.3		ES PCB-206	76.2	
Nona-CBs	ND	0.404			ES PCB-208	92.9	
Deca-CB	ND	0.247			ES PCB-209	80.1	
					CS PCB-28	90.7	
Total PCB (Mono-Deca)	1,260		1,280		CS PCB-111	94.5	
					CS PCB-178	81.7	

Checkcode: 012-099-BQG

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Report Created: 06-Jul-2012 13:55 Analyst: LB



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Sample ID: JW-DR-TISSUE-120508 Method 1668B

Client Data		Sample Data		Laboratory Data	
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.70 g	Sample ID:	A4369_9892_PCB_002
Date Collected:	08-May-2012	% Lipids	0.4 %	QC Batch No.:	9892
		Units	pg/g	Checkcode:	012-099-BQG
				Date Received:	11-May-2012
				Date Extracted:	31-May-2012
				Date Analyzed:	03-Jul-2012
				Time Analyzed:	18:57:31

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.97		PCB-19	1.15		PCB-54	(0.263)		PCB-72	0.65	J
PCB-2	2.95		PCB-30/18	8.73	C	PCB-50/53	2.23	C	PCB-68	[0.394]	J EMPC
PCB-3	1.78		PCB-17	4.65		PCB-45	1.81		PCB-57	(0.374)	
			PCB-27	1.23		PCB-51	1.04		PCB-58	(0.368)	
Conc.	6.69		PCB-24	(0.4)		PCB-46	0.692	J	PCB-67	2.12	
EMPC	6.69		PCB-16	[3.93]	EMPC	PCB-52	27.8		PCB-63	0.952	
			PCB-32	3.18		PCB-73	(0.254)		PCB-61/70/74/76	33.5	C
Di	Conc.	Qualifiers	PCB-34	(0.59)		PCB-43	[0.563]	J EMPC	PCB-66	19.1	
PCB-4	3.03		PCB-23	(0.573)		PCB-69/49	12.2	C	PCB-55	(0.374)	
PCB-10	(3.84)		PCB-26/29	2.83	C	PCB-48	3.23		PCB-56	8.23	
PCB-9	(5.09)		PCB-25	1.5		PCB-44/47/65	19.8	C	PCB-60	4.19	
PCB-7	(4.32)		PCB-31	10		PCB-59/62/75	2.83	C	PCB-80	(0.334)	
PCB-6	1.94		PCB-28/20	12.6	C	PCB-42	5.03		PCB-79	0.64	J
PCB-5	(4.82)		PCB-21/33	4.04	C	PCB-41	[1.01]	EMPC	PCB-78	(0.404)	
PCB-8	5.96		PCB-22	4.08		PCB-71/40	7.3	C	PCB-81	(0.329)	
PCB-14	(4.11)		PCB-36	(0.581)		PCB-64	7.43		PCB-77	[1.29]	EMPC
PCB-11	130		PCB-39	(0.554)							
PCB-13/12	(4.8)	C	PCB-38	(0.619)							
PCB-15	2.21		PCB-35	1.31							
			PCB-37	3.21							
Conc.	144		Conc.	58.5					Conc.	161	
EMPC	144		EMPC	62.5					EMPC	164	

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Totals	Conc.	EMPC
Mono-Tri	209	213
Tetra-Hexa	888	898
Hepta-Deca	163	169
Mono-Deca	1,260	1,280

Sample ID: JW-DR-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.342)		PCB-109/119/86...	31.6	C	PCB-155	(0.208)		PCB-165	(0.266)	
PCB-96	(0.352)		PCB-117	2.87		PCB-152	(0.224)		PCB-146	25.7	
PCB-103	(0.505)		PCB-116/85	8.97	C	PCB-150	(0.221)		PCB-161	(0.233)	
PCB-94	(0.579)		PCB-110	57.1		PCB-136	7.65		PCB-153/168	83	C
PCB-95	38.6		PCB-115	1.52		PCB-145	(0.236)		PCB-141	6.61	
PCB-100/93	(0.542)	C	PCB-82	5.88		PCB-148	(0.305)		PCB-130	9.43	
PCB-102	[1.26]	EMPC	PCB-111	(0.414)		PCB-151/135	34.2	C	PCB-137	4.2	
PCB-98	(0.615)		PCB-120	(0.409)		PCB-154	2.02		PCB-164	6.58	
PCB-88	(0.616)		PCB-108/124	1.98	C	PCB-144	3.06		PCB-163/138/129	85.8	C
PCB-91	6.95		PCB-107	4.51		PCB-147/149	64.9	C	PCB-160	(0.241)	
PCB-84	9.92		PCB-123	1.15		PCB-134	[5.15]	EMPC	PCB-158	7.25	
PCB-89	(0.609)		PCB-106	(0.428)		PCB-143	(0.316)		PCB-128/166	11.1	C
PCB-121	(0.414)		PCB-118	39.5		PCB-139/140	1.83	J C	PCB-159	(0.296)	
PCB-92	17.2		PCB-122	(0.442)		PCB-131	(0.354)		PCB-162	(0.286)	
PCB-113/90/101	57.3	C	PCB-114	0.821	J	PCB-142	(0.326)		PCB-167	2.38	
PCB-83	4.87		PCB-105	15.9		PCB-132	19.5		PCB-156/157	5.01	C
PCB-99	36.6		PCB-127	(0.415)		PCB-133	4.11		PCB-169	(0.324)	
PCB-112	(0.403)		PCB-126	(0.382)							
			Conc.	343					Conc.	384	
			EMPC	344					EMPC	389	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.325)		PCB-174	8.28		PCB-202	8.33		PCB-208	(0.304)	
PCB-179	9.72		PCB-177	17.3		PCB-201	2.26		PCB-207	(0.299)	
PCB-184	(0.33)		PCB-181	(0.451)		PCB-204	(0.221)		PCB-206	(0.503)	
PCB-176	2.22		PCB-171/173	5.28	C	PCB-197	0.928	J			
PCB-186	(0.307)		PCB-172	[0.974]	EMPC	PCB-200	(0.238)		Conc.	0	
PCB-178	11.9		PCB-192	(0.351)		PCB-198/199	9.73	C	EMPC	0	
PCB-175	[0.958]	EMPC	PCB-180/193	23.7	C	PCB-196	[3.15]	EMPC			
PCB-187	40.7		PCB-191	(0.34)		PCB-203	3.27		Deca	Conc.	Qualifiers
PCB-182	(0.435)		PCB-170	5.53		PCB-195	0.984		PCB-209	(0.247)	
PCB-183	10.5		PCB-190	1.97		PCB-194	[1.69]	EMPC			
PCB-185	(0.482)		PCB-189	(0.262)		PCB-205	(0.294)				
			Conc.	137		Conc.	25.5				
			EMPC	139		EMPC	30.3				

Sample ID: JW-RG-TISSUE-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.78 g	Sample ID:	A4369_9892_PCB_003	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44"-TeCB	1.32				ES PCB-1	57.2	
PCB-81 344'5-TeCB	ND	0.176			ES PCB-3	56.8	
PCB-105 233'44'-PeCB	10.2				ES PCB-4	52.3	
PCB-114 2344'5-PeCB	EMPC		0.704	J	ES PCB-15	63.5	
PCB-118 23'44'5'-PeCB	26.2				ES PCB-19	62.2	
PCB-123 23'44'5'-PeCB	EMPC		0.606	J	ES PCB-37	80.3	
PCB-126 33'44'5'-PeCB	ND	0.256			ES PCB-54	62.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	3.31			C	ES PCB-77	96.4	
PCB-167 23'44'55'-HxCB	1.71				ES PCB-81	101	
PCB-169 33'44'55'-HxCB	ND	0.209			ES PCB-104	57.2	
PCB-189 233'44'55'-HpCB	ND	0.165			ES PCB-105	87.3	
					ES PCB-114	86.1	
TEQs (WHO M/H)					ES PCB-118	85.8	
					ES PCB-123	77.5	
ND = 0	0.00138		0.00142		ES PCB-126	86.9	
ND = 0.5 x DL	0.0174		0.0174				
					ES PCB-155	80.1	
Totals					ES PCB-156/157	103	
					ES PCB-167	101	
Mono-CBs	4.06				ES PCB-169	89.1	
Di-CBs	67.1						
Tri-CBs	43.7		46.7				
Tetra-CBs	127		129		ES PCB-188	70.9	
Penta-CBs	236		238		ES PCB-189	94.7	
Hexa-CBs	276		278		ES PCB-202	83.6	
Hepta-CBs	95.5		103		ES PCB-205	91	
Octa-CBs	23				ES PCB-206	82.6	
Nona-CBs	ND	0.331			ES PCB-208	90.8	
Deca-CB	ND	0.246			ES PCB-209	81.6	
					CS PCB-28	89.7	
Total PCB (Mono-Deca)	873		888		CS PCB-111	93	
					CS PCB-178	82.5	

Checkcode: 181-066-NFQ

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Report Created: 06-Jul-2012 13:57 Analyst: LB



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Sample ID: JW-RG-TISSUE-120508 Method 1668B

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.78 g	Sample ID:	A4369_9892_PCB_003	Date Extracted:	31-May-2012
Date Collected:	08-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
		Units	pg/g	Checkcode:	181-066-NFQ	Time Analyzed:	19:52:35

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.15		PCB-19	0.787	J	PCB-54	(0.137)		PCB-72	[0.567]	J EMPC
PCB-2	1.76		PCB-30/18	6.25	B C	PCB-50/53	1.74	J C	PCB-68	[0.327]	J EMPC
PCB-3	1.15		PCB-17	[2.97]	EMPC	PCB-45	1.37		PCB-57	(0.201)	
			PCB-27	0.805	J	PCB-51	[0.677]	J EMPC	PCB-58	(0.197)	
Conc.	4.06		PCB-24	(0.245)		PCB-46	0.638	J	PCB-67	1.4	
EMPC	4.06		PCB-16	2.86		PCB-52	22.9		PCB-63	0.629	J
			PCB-32	2.16		PCB-73	(0.142)		PCB-61/70/74/76	24.8	C
Di	Conc.	Qualifiers	PCB-34	(0.314)		PCB-43	0.482	J	PCB-66	15.9	
PCB-4	2.68		PCB-23	(0.306)		PCB-69/49	9.88	C	PCB-55	(0.201)	
PCB-10	(2.95)		PCB-26/29	2.29	C	PCB-48	2.36		PCB-56	6.07	
PCB-9	(2.93)		PCB-25	1.22		PCB-44/47/65	16.1	C	PCB-60	3.08	
PCB-7	(2.49)		PCB-31	7.89		PCB-59/62/75	2.02	J C	PCB-80	(0.179)	
PCB-6	1.18		PCB-28/20	10	C	PCB-42	4.02		PCB-79	[0.318]	J EMPC
PCB-5	(2.77)		PCB-21/33	3.17	B C	PCB-41	1.04		PCB-78	(0.216)	
PCB-8	3.68		PCB-22	2.94		PCB-71/40	5.36	C	PCB-81	(0.176)	
PCB-14	(2.37)		PCB-36	0.32	J	PCB-64	5.8		PCB-77	1.32	
PCB-11	58.3	B	PCB-39	(0.295)							
PCB-13/12	(2.77)	C	PCB-38	(0.33)							
PCB-15	1.32		PCB-35	0.735	J						
			PCB-37	2.3							
Conc.	67.1		Conc.	43.7					Conc.	127	
EMPC	67.1		EMPC	46.7					EMPC	129	

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Totals	Conc.	EMPC
Mono-Tri	115	118
Tetra-Hexa	640	644
Hepta-Deca	118	126
Mono-Deca	873	888

Sample ID: JW-RG-TISSUE-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.239)		PCB-109/119/86...	21	C	PCB-155	(0.15)		PCB-165	(0.192)	
PCB-96	(0.246)		PCB-117	2.05		PCB-152	(0.162)		PCB-146	20.8	
PCB-103	(0.345)		PCB-116/85	5.67	C	PCB-150	(0.159)		PCB-161	(0.168)	
PCB-94	(0.395)		PCB-110	36.8		PCB-136	5.46		PCB-153/168	60.5	C
PCB-95	28.5		PCB-115	0.877	J	PCB-145	(0.17)		PCB-141	4.53	
PCB-100/93	0.596	J C	PCB-82	3.82		PCB-148	(0.22)		PCB-130	6.69	
PCB-102	0.875	J	PCB-111	(0.283)		PCB-151/135	25.6	C	PCB-137	2.98	
PCB-98	(0.419)		PCB-120	(0.279)		PCB-154	1.53		PCB-164	4.55	
PCB-88	(0.421)		PCB-108/124	1.41	J C	PCB-144	2.1		PCB-163/138/129	59	C
PCB-91	4.38		PCB-107	2.86		PCB-147/149	46.1	C	PCB-160	(0.174)	
PCB-84	6.24		PCB-123	[0.606]	J EMPC	PCB-134	3.51		PCB-158	5.12	
PCB-89	(0.415)		PCB-106	(0.292)		PCB-143	(0.228)		PCB-128/166	7.02	C
PCB-121	(0.283)		PCB-118	26.2		PCB-139/140	[1.21]	J EMPC C	PCB-159	(0.188)	
PCB-92	14.1		PCB-122	(0.313)		PCB-131	(0.255)		PCB-162	(0.182)	
PCB-113/90/101	41.5	C	PCB-114	[0.704]	J EMPC	PCB-142	(0.235)		PCB-167	1.71	
PCB-83	3.2		PCB-105	10.2		PCB-132	12.1		PCB-156/157	3.31	C
PCB-99	26.2		PCB-127	(0.283)		PCB-133	3.76		PCB-169	(0.209)	
PCB-112	(0.275)		PCB-126	(0.256)							
			Conc.	236					Conc.	276	
			EMPC	238					EMPC	278	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.237)		PCB-174	5.52		PCB-202	6.41		PCB-208	(0.282)	
PCB-179	[6.05]	EMPC	PCB-177	12.4		PCB-201	1.58		PCB-207	(0.278)	
PCB-184	(0.24)		PCB-181	(0.388)		PCB-204	(0.249)		PCB-206	(0.379)	
PCB-176	[1.37]	EMPC	PCB-171/173	3.29	C	PCB-197	0.494	J			
PCB-186	(0.223)		PCB-172	0.68	J	PCB-200	(0.269)		Conc.	0	
PCB-178	9.68		PCB-192	(0.271)		PCB-198/199	7.67	C	EMPC	0	
PCB-175	0.968		PCB-180/193	18.2	C	PCB-196	2.3				
PCB-187	31.1		PCB-191	0.499	J	PCB-203	2.29		Deca	Conc.	Qualifiers
PCB-182	(0.374)		PCB-170	4.05		PCB-195	0.778	J	PCB-209	(0.246)	
PCB-183	7.74		PCB-190	1.44		PCB-194	1.45				
PCB-185	(0.415)		PCB-189	(0.165)		PCB-205	(0.196)				
			Conc.	95.5		Conc.	23				
			EMPC	103		EMPC	23				

Sample ID: JW-E10-TISSUE-120516**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.04 g	Sample ID:	A4369_9892_PCB_004	Date Extracted:	31-May-2012
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	2.36				ES PCB-1	56.2	
PCB-81 344'5'-TeCB	ND	0.308			ES PCB-3	55.2	
PCB-105 233'44'-PeCB	40.5				ES PCB-4	51.7	
PCB-114 2344'5'-PeCB	2.07				ES PCB-15	61.8	
PCB-118 23'44'5'-PeCB	98.8				ES PCB-19	59.9	
PCB-123 23'44'5'-PeCB	1.84				ES PCB-37	81.4	
PCB-126 33'44'5'-PeCB	ND	0.402			ES PCB-54	61.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	11.6			C	ES PCB-77	102	
PCB-167 23'44'55'-HxCB	5.42				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	0.479			ES PCB-104	57.9	
PCB-189 233'44'55'-HpCB	0.628			J	ES PCB-105	91.1	
					ES PCB-114	85.8	
TEQs (WHO M/H)					ES PCB-118	92.6	
					ES PCB-123	81.9	
ND = 0	0.00506			0.00506	ES PCB-126	89	
ND = 0.5 x DL	0.0324			0.0324			
					ES PCB-155	83.7	
Totals					ES PCB-156/157	105	
					ES PCB-167	103	
Mono-CBs	5.36				ES PCB-169	91.5	
Di-CBs	148						
Tri-CBs	204						
Tetra-CBs	422			423	ES PCB-188	73	
Penta-CBs	883				ES PCB-189	98.3	
Hexa-CBs	890			896	ES PCB-202	86.3	
Hepta-CBs	265			282	ES PCB-205	93.5	
Octa-CBs	71.5				ES PCB-206	87.8	
Nona-CBs	0.641			2.69	ES PCB-208	93	
Deca-CB	ND	0.381			ES PCB-209	81.6	
					CS PCB-28	86.1	
Total PCB (Mono-Deca)	2,890			2,920	CS PCB-111	94.6	
					CS PCB-178	80.8	

Checkcode: 719-616-NVW

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Report Created: 06-Jul-2012 13:59 Analyst: LB



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Sample ID: JW-E10-TISSUE-120516 Method 1668B

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.04 g	Sample ID:	A4369_9892_PCB_004	Date Extracted:	31-May-2012
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
		Units	pg/g	Checkcode:	719-616-NVW	Time Analyzed:	20:47:34

Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	1.46		PCB-19	4.84		PCB-54	0.661	J	PCB-72	1.41	
PCB-2	2.34		PCB-30/18	24.5	C	PCB-50/53	11.1	C	PCB-68	1.53	
PCB-3	1.56		PCB-17	15.2		PCB-45	5.28		PCB-57	(0.35)	
			PCB-27	8.07		PCB-51	4.22		PCB-58	0.396	J
Conc.	5.36		PCB-24	0.781	J	PCB-46	2.57		PCB-67	2.59	
EMPC	5.36		PCB-16	12.6		PCB-52	96.3		PCB-63	1.55	
			PCB-32	12.3		PCB-73	[0.355]	J EMPC	PCB-61/70/74/76	69.4	C
Di	Conc.	Qualifiers	PCB-34	(0.523)		PCB-43	1.63		PCB-66	33.7	
PCB-4	7.56		PCB-23	(0.509)		PCB-69/49	39.2	C	PCB-55	0.894	J
PCB-10	(4.93)		PCB-26/29	14.2	C	PCB-48	8.85		PCB-56	12.3	
PCB-9	(4.77)		PCB-25	6.16		PCB-44/47/65	55.9	C	PCB-60	5.87	
PCB-7	(4.05)		PCB-31	31		PCB-59/62/75	5.35	C	PCB-80	(0.312)	
PCB-6	3.96		PCB-28/20	41.5	C	PCB-42	12.2		PCB-79	[0.897]	J EMPC
PCB-5	(4.51)		PCB-21/33	9.21	C	PCB-41	3.45		PCB-78	(0.377)	
PCB-8	8.66		PCB-22	14.5		PCB-71/40	24	C	PCB-81	(0.308)	
PCB-14	(3.85)		PCB-36	0.71	J	PCB-64	19.1		PCB-77	2.36	
PCB-11	121		PCB-39	(0.492)							
PCB-13/12	(4.5)	C	PCB-38	(0.55)							
PCB-15	6.22		PCB-35	1.66							
			PCB-37	6.87							
Conc.	148		Conc.	204					Conc.	422	
EMPC	148		EMPC	204					EMPC	423	



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Totals	Conc.	EMPC
Mono-Tri	357	357
Tetra-Hexa	2,190	2,200
Hepta-Deca	337	356
Mono-Deca	2,890	2,920

Sample ID: JW-E10-TISSUE-120516						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.439)		PCB-109/119/86...	78.1	C	PCB-155	(0.195)		PCB-165	(0.249)	
PCB-96	0.994		PCB-117	4.07		PCB-152	(0.21)		PCB-146	50.5	
PCB-103	1.42		PCB-116/85	21.7	C	PCB-150	(0.206)		PCB-161	(0.218)	
PCB-94	(0.858)		PCB-110	150		PCB-136	19.3		PCB-153/168	185	C
PCB-95	112		PCB-115	3.46		PCB-145	(0.221)		PCB-141	18.3	
PCB-100/93	1.71	J C	PCB-82	14.7		PCB-148	(0.286)		PCB-130	19.9	
PCB-102	3.95		PCB-111	(0.614)		PCB-151/135	74.7	C	PCB-137	10.1	
PCB-98	(0.911)		PCB-120	(0.606)		PCB-154	4.41		PCB-164	14.7	
PCB-88	(0.914)		PCB-108/124	4.84	C	PCB-144	7.93		PCB-163/138/129	202	C
PCB-91	17.8		PCB-107	9.92		PCB-147/149	148	C	PCB-160	(0.225)	
PCB-84	28.1		PCB-123	1.84		PCB-134	12.3		PCB-158	19.5	
PCB-89	(0.902)		PCB-106	(0.634)		PCB-143	(0.295)		PCB-128/166	27.8	C
PCB-121	(0.614)		PCB-118	98.8		PCB-139/140	[3.93]	EMPC C	PCB-159	(0.366)	
PCB-92	41.5		PCB-122	(0.736)		PCB-131	[2.06]	EMPC	PCB-162	0.662	J
PCB-113/90/101	147	C	PCB-114	2.07		PCB-142	(0.305)		PCB-167	5.42	
PCB-83	11		PCB-105	40.5		PCB-132	50		PCB-156/157	11.6	C
PCB-99	88		PCB-127	(0.691)		PCB-133	8.11		PCB-169	(0.479)	
PCB-112	(0.597)		PCB-126	(0.402)							
			Conc.	883					Conc.	890	
			EMPC	883					EMPC	896	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.396)		PCB-174	21.2		PCB-202	15.8		PCB-208	0.641	J
PCB-179	19.3		PCB-177	31.8		PCB-201	4.5		PCB-207	(0.511)	
PCB-184	(0.401)		PCB-181	(0.651)		PCB-204	(0.312)		PCB-206	[2.05]	EMPC
PCB-176	4.47		PCB-171/173	11	C	PCB-197	1.78				
PCB-186	(0.374)		PCB-172	2.39		PCB-200	(0.337)		Conc.	0.641	
PCB-178	[16.8]	EMPC	PCB-192	(0.448)		PCB-198/199	23.9	C	EMPC	2.69	
PCB-175	2.15		PCB-180/193	52.6	C	PCB-196	9.23				
PCB-187	77		PCB-191	1.32		PCB-203	7.92		Deca	Conc.	Qualifiers
PCB-182	(0.628)		PCB-170	12.9		PCB-195	2.51		PCB-209	(0.381)	
PCB-183	23.3		PCB-190	3.73		PCB-194	5.81				
PCB-185	1.51		PCB-189	0.628	J	PCB-205	(0.313)				
			Conc.	265		Conc.	71.5				
			EMPC	282		EMPC	71.5				

Sample ID: JW-EA01-TISSUE-120516**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Tissue	Project No.:	A4369	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	11.75 g	Sample ID:	A4369_9892_PCB_005	Date Extracted:	31-May-2012
Date Collected:	16-May-2012	% Lipids	0.5 %	QC Batch No.:	9892	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	1.38				ES PCB-1	57.3	
PCB-81 344'5'-TeCB	ND	0.276			ES PCB-3	53.6	
PCB-105 233'44'-PeCB	16.4				ES PCB-4	51	
PCB-114 2344'5'-PeCB	0.834			J	ES PCB-15	58	
PCB-118 23'44'5'-PeCB	41.2				ES PCB-19	57.2	
PCB-123 23'44'5'-PeCB	EMPC		1.21		ES PCB-37	80.8	
PCB-126 33'44'5'-PeCB	ND	0.322			ES PCB-54	57.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	6			C	ES PCB-77	93.5	
PCB-167 23'44'55'-HxCB	2.87				ES PCB-81	99	
PCB-169 33'44'55'-HxCB	ND	0.292			ES PCB-104	53.7	
PCB-189 233'44'55'-HpCB	ND	0.204			ES PCB-105	83.2	
					ES PCB-114	80.8	
TEQs (WHO M/H)					ES PCB-118	84.1	
					ES PCB-123	74.6	
ND = 0	0.00216		0.00219		ES PCB-126	82.3	
ND = 0.5 x DL	0.0227		0.0227				
					ES PCB-155	73.9	
Totals					ES PCB-156/157	92.1	
					ES PCB-167	90.6	
Mono-CBs	4.36				ES PCB-169	74.3	
Di-CBs	157						
Tri-CBs	1,460						
Tetra-CBs	1,600		1,600		ES PCB-188	65	
Penta-CBs	476		481		ES PCB-189	89.7	
Hexa-CBs	413		415		ES PCB-202	73.9	
Hepta-CBs	101		103		ES PCB-205	84	
Octa-CBs	17		18.9		ES PCB-206	82.3	
Nona-CBs	ND	0.389			ES PCB-208	83.9	
Deca-CB	ND	0.362			ES PCB-209	73.4	
					CS PCB-28	86.9	
Total PCB (Mono-Deca)	4,220		4,240		CS PCB-111	90.9	
					CS PCB-178	73.3	

Checkcode: 962-167-BHP


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Report Created: 06-Jul-2012 14:00 Analyst: LB



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 USA

Sample ID: JW-EA01-TISSUE-120516**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Tissue		Project No.:	A4369		Date Received:	18-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	11.75 g		Sample ID:	A4369_9892_PCB_005		Date Extracted:	31-May-2012							
Date Collected:	16-May-2012		% Lipids	0.5 %		QC Batch No.:	9892		Date Analyzed:	03-Jul-2012							
			Units	pg/g		Checkcode:	962-167-BHP		Time Analyzed:	21:42:38							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	1.65		PCB-19	18.4		PCB-54	0.818	J	PCB-72	2.42							
PCB-2	1.48		PCB-30/18	115	C	PCB-50/53	33.6	C	PCB-68	1.29							
PCB-3	1.24		PCB-17	104		PCB-45	40.6		PCB-57	[1.34]	EMPC						
			PCB-27	21.1		PCB-51	10.9		PCB-58	0.705	J						
Conc.	4.36		PCB-24	4.33		PCB-46	14.4		PCB-67	7.9							
EMPC	4.36		PCB-16	92.8		PCB-52	283		PCB-63	5.92							
			PCB-32	72.7		PCB-73	0.99		PCB-61/70/74/76	157	C						
Di	Conc.	Qualifiers	PCB-34	(0.691)		PCB-43	14.1		PCB-66	75.2							
PCB-4	24.9		PCB-23	(0.672)		PCB-69/49	162	C	PCB-55	1.96							
PCB-10	1.61		PCB-26/29	50.5	C	PCB-48	77.2		PCB-56	14.9							
PCB-9	2.1		PCB-25	24.8		PCB-44/47/65	282	C	PCB-60	7.45							
PCB-7	1.64		PCB-31	298		PCB-59/62/75	37	C	PCB-80	(0.279)							
PCB-6	8.5		PCB-28/20	389	C	PCB-42	83.2		PCB-79	0.686	J						
PCB-5	(3.72)		PCB-21/33	67.3	C	PCB-41	37.7		PCB-78	(0.338)							
PCB-8	26.2		PCB-22	134		PCB-71/40	118	C	PCB-81	(0.276)							
PCB-14	(3.17)		PCB-36	(0.681)		PCB-64	124		PCB-77	1.38							
PCB-11	52.9	B	PCB-39	1.81													
PCB-13/12	5.04	C	PCB-38	(0.726)													
PCB-15	34.1		PCB-35	3.87													
			PCB-37	62.9													
Conc.	157		Conc.	1,460					Conc.	1,600							
EMPC	157		EMPC	1,460					EMPC	1,600							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,620			1,620		
						Tetra-Hexa						2,480			2,490		
						Hepta-Deca						118			122		
						Mono-Deca						4,220			4,240		

Sample ID: JW-EA01-TISSUE-120516						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.27)		PCB-109/119/86...	35.1	C	PCB-155	(0.166)		PCB-165	(0.212)	
PCB-96	2.54		PCB-117	1.86		PCB-152	(0.178)		PCB-146	26.2	
PCB-103	[1.39]	EMPC	PCB-116/85	10.7	C	PCB-150	(0.176)		PCB-161	(0.185)	
PCB-94	[1.3]	EMPC	PCB-110	72.2		PCB-136	8.32		PCB-153/168	82.5	C
PCB-95	91.4		PCB-115	0.922		PCB-145	(0.188)		PCB-141	8.99	
PCB-100/93	2.7	C	PCB-82	5.74		PCB-148	(0.243)		PCB-130	9.77	
PCB-102	5.26		PCB-111	(0.376)		PCB-151/135	36.1	C	PCB-137	5.73	
PCB-98	(0.558)		PCB-120	(0.371)		PCB-154	1.74		PCB-164	7.09	
PCB-88	(0.56)		PCB-108/124	2.68	C	PCB-144	3.15		PCB-163/138/129	92.9	C
PCB-91	15.5		PCB-107	4.09		PCB-147/149	65.8	C	PCB-160	(0.191)	
PCB-84	15.3		PCB-123	[1.21]	EMPC	PCB-134	6.31		PCB-158	8.49	
PCB-89	[1.01]	EMPC	PCB-106	(0.388)		PCB-143	(0.251)		PCB-128/166	13	C
PCB-121	(0.376)		PCB-118	41.2		PCB-139/140	[2.14]	EMPC C	PCB-159	(0.236)	
PCB-92	26.1		PCB-122	0.747	J	PCB-131	0.93		PCB-162	(0.228)	
PCB-113/90/101	76.8	C	PCB-114	0.834	J	PCB-142	(0.26)		PCB-167	2.87	
PCB-83	5.02		PCB-105	16.4		PCB-132	22		PCB-156/157	6	C
PCB-99	42.6		PCB-127	(0.378)		PCB-133	4.59		PCB-169	(0.292)	
PCB-112	(0.366)		PCB-126	(0.322)							
			Conc.	476					Conc.	413	
			EMPC	481					EMPC	415	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.291)		PCB-174	6.88		PCB-202	4.78		PCB-208	(0.338)	
PCB-179	6.87		PCB-177	11.9		PCB-201	1.42		PCB-207	(0.332)	
PCB-184	(0.295)		PCB-181	(0.41)		PCB-204	(0.26)		PCB-206	(0.441)	
PCB-176	1.59		PCB-171/173	3.98	C	PCB-197	(0.266)				
PCB-186	(0.275)		PCB-172	0.84	J	PCB-200	(0.28)		Conc.	0	
PCB-178	8.3		PCB-192	(0.287)		PCB-198/199	6.67	C	EMPC	0	
PCB-175	[0.625]	J EMPC	PCB-180/193	19.2	C	PCB-196	2.42				
PCB-187	28		PCB-191	[0.507]	J EMPC	PCB-203	[1.94]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(0.396)		PCB-170	4.09		PCB-195	0.579	J	PCB-209	(0.362)	
PCB-183	8.38		PCB-190	1.45		PCB-194	1.14				
PCB-185	(0.439)		PCB-189	(0.204)		PCB-205	(0.239)				
			Conc.	101		Conc.	17				
			EMPC	103		EMPC	18.9				

Analytical Method: 8290 1613 8280

1668A DLM Other:

QC Date	Prev. WG	Prev. WG	Workgroup*	Logbook#	Page#
24-May-12	N/A	N/A	-	19	1607/1608

(1613) (1608)

A4369

Sample Identification		Extraction by Modified Method 3540C (Soxhlet Extraction) <input checked="" type="checkbox"/> Dean-Stark? <input checked="" type="checkbox"/> Pre-Sox?					Extract Cleanup by Modified Method 3630/3620 (Silica/Florisil)				Injection Prep.	
Client Sample ID	SGS Sample ID* (1613) (1668)	Sample Matrix	Sample Weight*	ES Amt.* DX (μL) PCB		MX Amt. DX (μL) PCB		CS Amt.* DX (μL) PCB		PCU Analyst	PCU #2 Train	JS Amt.* DX (μL) PCB
LMB for HBN 24000 [HXX/1607]	73560 73562	Tissue	10.00	40	40	N/A		40	40	JHL	①	20 20
OPR for HBN 24000 [HXX/1607]	73561 73563	Tissue	10.00	40	40	40	50	40	40	JHL	②	20 20
JW-UR-TISSUE-120508	31201450023	Tissue	11.02	40	40	N/A		40	40	JHL	③	20 20
JW-DR-TISSUE-120508	31201450024	Tissue	10.70	40	40	N/A		40	40	JHL	④	20 20
JW-RG-TISSUE-120508	31201450025	Tissue	10.78	40	40	N/A		40	40	JHL	⑤	20 20
JW-E10-TISSUE-120516	31201450031	Tissue	11.04	40	40	N/A		40	40	JHL	⑥	20 20
JW-EA01-TISSUE-120516	31201450032	Tissue	11.75	40	40	N/A		40	40	JHL	⑦	20 20
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

Balance Reference:
WB1 *SB1*

Extraction Date/Time
Start: 5/28/12 18:00
Finish: 5/31/12 12:20

Extraction Analyst:
JHL

Data in prep table?

Cleanup Date/Time:
6/1/12 12:00

Dioxin Standards	Lot #	Conc. (ng/uL)	Analyst	Witness	Items	Lot #
Extraction Std.	<u>540-30A</u>	<u>0.05 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	Toluene	STL1-1
Matrix Spike	<u>540-31</u>	<u>0.005 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	Tetradecane	N/A
Cleanup Std.	<u>540-26</u>	<u>0.01 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	MeCl	STL1-19
Injection Std.	<u>540-32</u>	<u>0.10</u>	<i>JHL</i>	<i>TUN</i>	Salt	SPL2-217F
PCB Standards						
Extraction Std.	<u>540-36</u>	<u>0.05 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	Hexane	STL1-17
Matrix Spike	<u>540-25A</u>	<u>0.01 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	Acid Silica	SPL3-24
Cleanup Std.	<u>540-33</u>	<u>0.05 ng/uL</u>	<i>JHL</i>	<i>JHL</i>	Base Silica	SPL3-23
Injection Std.	<u>539-251</u>	<u>0.10</u>	<i>JHL</i>	<i>TUN</i>	Silica	<u>SPL3-16</u>
					Florisil	SPL3-16M

Comments: _____

* = To be entered in the Prep Table. Data in prep table?



A4369 = AG_SGS project number

[] = samples this project

Anchor QEA 31 of 548
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:	
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>[Signature]</i>	Received By:	Received By:		
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:	COC Seals Intact? NA	Bottles Intact?

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 32 of 548
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-Comp-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-Comp-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> 5/15/12
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-Comp-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:		
Company: <i>SGS</i>	Company:	Company:	# of Coolers:	Cooler <i>3.1</i>
Date/Time: <i>5/9/12 10:15</i>	Date/Time:	Date/Time:	<i>2</i>	Temp(s): <i>3.20</i>
			COC Seals Intact? <i>MA</i>	Bottles Intact?

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 33 of 548
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:	
Lab: SGS		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F					
Address: 5500 Business Drive		Proj. No.: 120909-0101											
City, etc.: Wilmington NC 28405		Sampler: KCONS											
Phone: 910-350-1903		Shipping Method: Overnight											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X								
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X							
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X							
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X							
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X							
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X							
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X						
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X							
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X							
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X							
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X							
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X						
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X		X					
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X		X	X				
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X			X				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			2	3.1, 3.20
			COC Seals Intact?	Bottles Intact?
			NA	

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

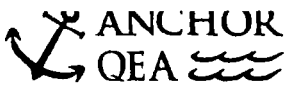
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP-1205</i>	<i>5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34-1205</i>	<i>5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37-1205</i>	<i>5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35-1205</i>	<i>5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38-1205</i>	<i>5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33-1205</i>	<i>5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36-1205</i>	<i>5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Signature from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	CO2 Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1300 of 548
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky

Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/DIF/PAHS					
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>									
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>							
<u>JW-DT-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>							
<u>JW-TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>							
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	X					@ 11°C	
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	X						
<u>JW-EA05-COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		X					

D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Jill Schwan</u>	Received By:	Received By:		
Printed Name: <u>Jill Schwan</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

NO Seals

31236 (4/548)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	D/F & PCB							
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C. Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:		
Company: <i>Anchor QEA</i>	Company:	Company:		
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: <i>1</i>	Cooler Temp(s): <i>1.3</i>
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company: <i>SGS</i>		
Date/Time:	Date/Time:	Date/Time: <i>5/11/12-0915</i>		
			COC Seals Intact? <i>n/a</i>	Bottles Intact? <i>Y</i>

1015

3762548/50



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>			Analyses Requested							Notes/ Comments:		
Lab: <i>SGS</i>		Site: <i>Seaf Surface Sediment</i>			PCB/DIF/PAHs									
Address: <i>5800 Business Drive</i>		Proj. No.: <i>120909-01.01</i>												
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>NS/KC</i>												
Phone: <i>910 350-1903</i>		Shipping Method: <i>Overnight</i>												
Fax:		AirBill #:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers										
<i>JW-EA10-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>3</i>	<i>X</i>									
<i>JW-EA01-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>5</i>	<i>X</i>									

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:	
Company: <i>Anchor QEA</i>	Company:	Company:	
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	# of Coolers: <i>1</i> Cooler Temp(s): <i>1.3°C</i>
Printed Name:	Printed Name:	Printed Name: <i>Amy Boehm</i>	
Company:	Company:	Company: <i>SGS</i>	
Date/Time:	Date/Time:	Date/Time: <i>5/11/12 10:15</i>	
			COC Seals Intact? <i>Y</i>
			Bottles Intact? <i>Y</i>

Chain of Custody Record & Laboratory Analysis Request

3120145038 of 548

Laboratory Number: _____
 Date: 5/17/2012
 Project Name: Jeld-Wen
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: 206.903.3385
 Shipment Method: FedEx



Line	Field Sample ID	Collection Date/Time	Lab ID	Matrix	No. of Containers	Dioxin/Furans	PCB Congeners	% Lipids	Comments
1	JW-EA10-Tissue-120516	5/16/2012/0900		Tissue		X	X	X	
2	JW-EA1-Tissue-120516	5/16/2012/0915		Tissue		X	X	X	add P&H-SIWA 5/25/12
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

*Standard TAT

*Level 4 data package

*See QAPP tables for analyte lists and QC requirements

Relinquished By: David Bellamy Company: Anchor QEA, LLC
 Signature/Printed Name: _____ Date/Time: 5/17/12 1530

Received By: _____ Company: SGS
 Signature/Printed Name: [Signature] Date/Time: 5/18/12 1040

Relinquished By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

Received By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Jeld-Wen**

Work Order No.: **31201450**

- | | |
|---|-------------------------|
| 1. <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____ |
| 2. <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: 3.5
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____
_____ |
| 10. <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: _____

Inspected and Logged in by: JJ
Date: Sat-5/19/12 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Jeld Wen** Work Order No.: **31201450**

- | | | |
|-----|--|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____

_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____

_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u> 11.6, 1.3 </u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. | <input type="checkbox"/> No Discrepancies Noted
<input checked="" type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Descrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____

_____ |

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

 Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ
 Date: Mon-5/14/12 00:00

Analytical Perspectives — Run Log

Project: A4369_9892_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120703S03	15	CS3_120703_PCB_SC	1.00	M1668-RETCAN S40-51	LKB	727-130	03-Jul-2012	14:13:08
4	120703S04	18	OPR1_9892_PCB	1.00	OPR #73563	LKB	544-407	03-Jul-2012	15:19:13
5	120703S05	3	SBS_120703_PCB_SA	1.00	SIL9-41-1	LKB	950-576	03-Jul-2012	16:12:21
6	120703S06	19	✓ MB1_9892_PCB_SDS	10.00	MB #73562	LKB	749-048	03-Jul-2012	17:07:28
7	120703S07	20	A4369_9892_PCB_001	11.02	JW-UR-TISSUE-120508	LKB	869-474	03-Jul-2012	18:02:27
8	120703S08	21	A4369_9892_PCB_002	10.70	JW-DR-TISSUE-120508	LKB	012-099	03-Jul-2012	18:57:31
9	120703S09	22	✓ A4369_9892_PCB_003	10.78	JW-RG-TISSUE-120508	LKB	181-066	03-Jul-2012	19:52:35
10	120703S10	23	A4369_9892_PCB_004	11.04	JW-E10-TISSUE-120516	LKB	719-616	03-Jul-2012	20:47:34
11	120703S11	24	A4369_9892_PCB_005	11.75	JW-EA01-TISSUE-120516	LKB	962-167	03-Jul-2012	21:42:38



= manual calculation

REVIEWED*By Laura Boivin at 2:23 pm, Jul 06, 2012***REVIEWED***By Todd Vilen at 2:52 pm, Jul 09, 2012*

Lab ID: MB1_9892_PCB_SDS

ACQ: 03-Jul-2012 17:07:28 LKB Wt/Vol: 10.00 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC

Client ID: MB #73562

UTP: 05-Jul-2012 15:16 LKB

J-level: 1 pg/g Split: 1

Checkcode: 749-048-MGJ

Datafile: 120703S06

RPT: 06-Jul-2012 13:31 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	1.14E+03	0.172
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.14E+03	0.172
PCB-105 233'44'-PeCB	32.20	J	1.0007	1.0008	+0.2	1.99E+04	0.55	1.03	0.409	1.01E+03	0.219
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	1.01E+03	0.205
PCB-118 23'44'5'-PeCB	31.22		1.0008	1.0007	-0.2	5.50E+04	0.60	1.03	1.2	1.01E+03	0.222
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	1.01E+03	0.259
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	8.41E+02	0.146
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	8.21E+02	0.215
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	8.21E+02	0.17
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	8.21E+02	0.183
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.96E+02	0.133
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.30E+02	0.216
ES PCB-1	9.83		0.7181	0.7173	-0.5	9.82E+06	3.28	1.01	48 %	4%	100%
ES PCB-3	11.76		0.8583	0.8582	-0.1	9.87E+06	3.27	1.05	46.4 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	6.00E+06	1.61	0.70	42.5 %	14%	107%
ES PCB-15	17.07		1.2453	1.2461	+0.8	1.20E+07	1.62	1.17	50.5 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	5.65E+06	1.09	0.57	49.3 %	1%	108%
ES PCB-37	23.05		1.0865	1.0870	+0.7	1.01E+07	1.10	1.41	69.9 %	25%	123%
ES PCB-54	17.29		0.8157	0.8154	-0.3	6.73E+06	0.81	1.32	49.7 %	13%	105%
ES PCB-77	29.23		1.3777	1.3783	+1.1	1.16E+07	0.77	1.22	92.9 %	31%	109%
ES PCB-81	28.76		1.3557	1.3563	+1.0	1.06E+07	0.82	1.15	90.3 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	6.96E+06	1.56	1.69	42.9 %	36%	115%
ES PCB-105	32.17		1.1906	1.1909	+0.6	9.50E+06	1.58	1.21	81.9 %	50%	111%
ES PCB-114	31.64		1.1709	1.1712	+0.6	8.89E+06	1.59	1.23	75.1 %	41%	121%
ES PCB-118	31.20		1.1547	1.1549	+0.4	8.86E+06	1.62	1.25	74 %	49%	111%
ES PCB-123	30.92		1.1444	1.1446	+0.4	8.60E+06	1.59	1.33	67.4 %	49%	116%
ES PCB-126	34.78		1.2871	1.2876	+1.0	1.11E+07	1.71	1.36	85.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7936	-0.5	7.99E+06	1.26	1.40	62.8 %	25%	124%
ES PCB-156/157	37.32		1.1035	1.1037	+0.4	1.90E+07	1.27	1.13	92.9 %	40%	120%
ES PCB-167	36.36		1.0753	1.0754	+0.2	9.43E+06	1.31	1.13	92.2 %	45%	118%
ES PCB-169	40.05		1.1842	1.1844	+0.5	9.04E+06	1.26	1.14	87.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.65		0.7204	0.7201	-0.6	7.47E+06	1.04	1.34	61.6 %	23%	125%
ES PCB-189	42.18		0.9598	0.9598	0	1.18E+07	1.09	1.77	85.5 %	47%	116%
ES PCB-202	36.16		0.8230	0.8228	-0.4	8.90E+06	0.89	1.27	77.3 %	31%	134%
ES PCB-205	44.35		1.0090	1.0091	+0.3	8.70E+06	0.89	1.25	88.8 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0425	+0.3	7.40E+06	0.77	1.07	88.3 %	38%	122%
ES PCB-208	41.78		0.9508	0.9507	-0.3	9.02E+06	0.78	1.34	85.9 %	31%	126%
ES PCB-209	47.17		1.0732	1.0734	+0.6	7.77E+06	1.22	1.18	83.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9270	+0.1	1.13E+07	1.09	0.98	114 %	14%	131%
CS/SS PCB-111	29.29	V	1.0843	1.0844	+0.2	9.48E+06	1.62	0.90	123 %	57%	112%
CS/SS PCB-178	34.21		1.0118	1.0118	0	5.80E+06	1.07	0.65	120 %	57%	125%
CS PCB-28	19.66		0.9269	0.9270	+0.1	1.13E+07	1.09	1.39	79.9 %	14%	131%
CS PCB-111	29.29		1.0843	1.0844	+0.2	9.48E+06	1.62	1.19	82.8 %	57%	112%
CS PCB-178	34.21		1.0118	1.0118	0	5.80E+06	1.07	0.87	73.8 %	57%	125%
JS PCB-9	13.70					2.02E+07	1.60				
JS PCB-52	21.21					1.02E+07	0.77				
JS PCB-101	27.01					9.61E+06	1.62				
JS PCB-138	33.81					9.06E+06	1.26				
JS PCB-194	43.95					7.84E+06	0.88				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	0.258		
						Di-CBs	7.82	7.82	4.48		
						Tri-CBs	2.5	2.5	0.343		
						Tetra-CBs	4.72	4.72	0.213		
						Penta-CBs	6.98	6.98	0.223		
						Hexa-CBs	5.19	5.19	0.188		
						Hepta-CBs	0	0	0.233		
						Octa-CBs	0	0	0.196		
						Nona-CBs	0	0	0.243		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.20	ND	2.53E+03	0.221	
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.14	ND	2.53E+03	0.291	
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.13	ND	2.53E+03	0.295	
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00	0.94	ND	2.53E+04	5.4	
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00	1.67	ND	2.53E+04	3.06	
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00	0.89	ND	2.46E+04	4.04	
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00	1.05	ND	2.46E+04	3.43	
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	0.96	ND	2.46E+04	3.75	
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00	0.94	ND	2.46E+04	3.82	
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00	1.01	ND	2.46E+04	3.56	
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00	1.10	ND	2.46E+04	3.26	
PCB-11 33'-DiCB	16.56		0.9701	0.9701	0	4.39E+05	SI	0.94	7.82	8.37E+03	1.3
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00	0.94	ND	2.46E+04	3.81	
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.01	ND	2.46E+04	3.57	

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.60E+03	0.407
PCB-30/18 246/22'5-TrCB	16.29	J C	1.1110	1.1112	+0.2	2.34E+04	0.98	1.23	0.674	1.60E+03	0.335
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.05	ND	1.60E+03	0.393
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.38	ND	1.60E+03	0.299
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.60E+03	0.316
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.85	ND	1.60E+03	0.482
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.46	ND	1.60E+03	0.281
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	1.72E+03	0.271
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	1.72E+03	0.263
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.29	ND	1.72E+03	0.26
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.29	ND	1.72E+03	0.26
PCB-31 24'5-TrCB	19.42	J	0.8430	0.8424	-0.7	4.09E+04	1.12	1.33	0.611	1.72E+03	0.253
PCB-28/20 244'/233'-TrCB	19.68	J C	0.8542	0.8537	-0.6	5.50E+04	1.17	1.26	0.866	1.72E+03	0.267
PCB-21/33 234/23'4'-TrCB	19.87	J C	0.8612	0.8620	+1.0	2.30E+04	1.02	1.31	0.349	1.72E+03	0.257
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.21	ND	1.72E+03	0.276
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	1.72E+03	0.267
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.72E+03	0.254
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	1.72E+03	0.284
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.15	ND	1.72E+03	0.291
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.20	ND	1.72E+03	0.28
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	1.01E+03	0.269
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	9.53E+02	0.216
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.68	ND	9.53E+02	0.262
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.84	ND	9.53E+02	0.212
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.68	ND	9.53E+02	0.263
PCB-52 22'55'-TeCB	21.23		1.0010	1.0010	0	6.30E+04	0.85	0.76	1.57	9.53E+02	0.236
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	9.53E+02	0.183
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.70	ND	9.53E+02	0.253
PCB-69/49 23'46/22'45'-TeCB	21.65	J C	1.0198	1.0208	+1.3	2.86E+04	0.70	0.94	0.575	9.53E+02	0.191
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.77	ND	9.53E+02	0.233
PCB-44/47/65 ...-TeCB	22.07	J C	1.0416	1.0409	-0.9	4.08E+04	0.75	0.83	0.923	9.53E+02	0.215
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.06	ND	9.53E+02	0.168
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.72	ND	9.53E+02	0.248
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.64	ND	9.53E+02	0.279
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.80	ND	9.53E+02	0.223
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.10	ND	9.53E+02	0.163
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.12	ND	1.14E+03	0.191
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.22	ND	1.14E+03	0.175
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.14E+03	0.195
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.14E+03	0.192
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.17	ND	1.14E+03	0.182
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.22	ND	1.14E+03	0.175
PCB-61/70/74/76 ...-TeCB	25.29	J C	0.8792	0.8794	+0.3	6.63E+04	0.83	1.13	1.1	1.14E+03	0.189
PCB-66 23'44'-TeCB	25.56	J	0.8888	0.8885	-0.5	3.13E+04	0.71	1.06	0.555	1.14E+03	0.201
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.14E+03	0.195

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.06	ND	1.14E+03	0.201
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.09	ND	1.14E+03	0.196
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.14E+03	0.174
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.21	ND	1.14E+03	0.177
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.14E+03	0.21
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.06E+03	0.285
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.06E+03	0.293
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.01E+03	0.29
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.01E+03	0.332
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	4.91E+04	0.53	0.75	1.52	1.01E+03	0.318
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.77	ND	1.01E+03	0.312
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.88	ND	1.01E+03	0.272
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.01E+03	0.353
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.01E+03	0.354
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.85	ND	1.01E+03	0.283
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.66	ND	1.01E+03	0.365
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.01E+03	0.35
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.01E+03	0.238
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.71	ND	1.01E+03	0.337
PCB-113/90/101 ...-PeCB	27.04	J C	0.9999	1.0009	+1.6	4.84E+04	0.61	0.86	1.31	1.01E+03	0.279
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	1.01E+03	0.387
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.77	ND	1.01E+03	0.313
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.01E+03	0.232
PCB-108/119/86/97/125...-PeCB	27.97	J C	1.0347	1.0355	+1.3	3.74E+04	0.67	0.89	0.979	1.01E+03	0.27
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.70	ND	1.01E+03	0.341
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.98	ND	1.01E+03	0.243
PCB-110 233'4'6'-PeCB	28.68		1.0615	1.0619	+0.7	6.51E+04	0.62	0.97	1.56	1.01E+03	0.247
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.00	ND	1.01E+03	0.239
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.63	ND	1.01E+03	0.381
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.01E+03	0.238
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.01E+03	0.235
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.95	ND	1.01E+03	0.251
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.05	ND	1.01E+03	0.228
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.01E+03	0.246
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.01E+03	0.246
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.01E+03	0.229
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.40E+02	0.185
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.40E+02	0.199
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	8.40E+02	0.196
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	8.40E+02	0.213
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	8.40E+02	0.21
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	8.40E+02	0.271
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	8.40E+02	0.274
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.79	ND	8.40E+02	0.247
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	8.40E+02	0.273

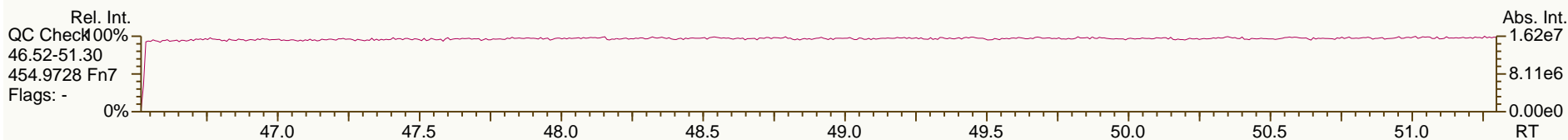
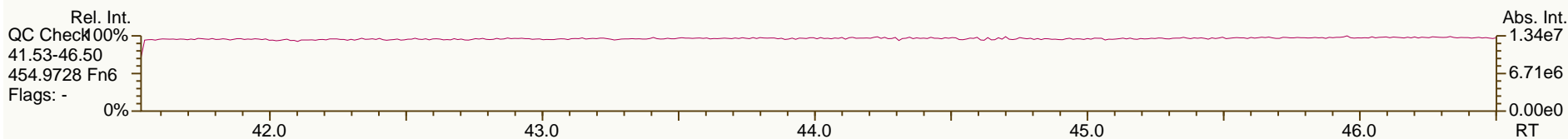
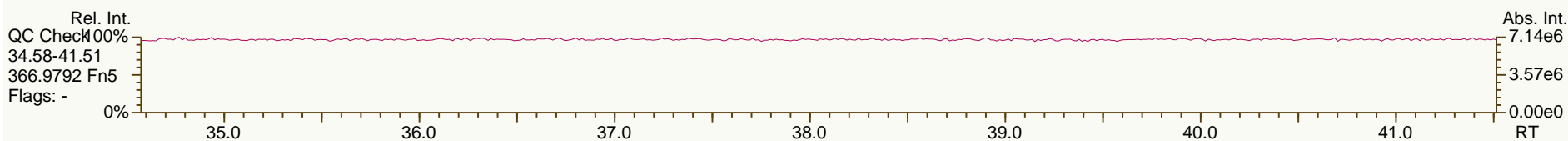
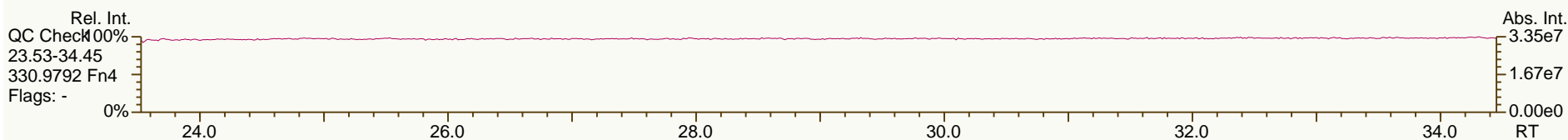
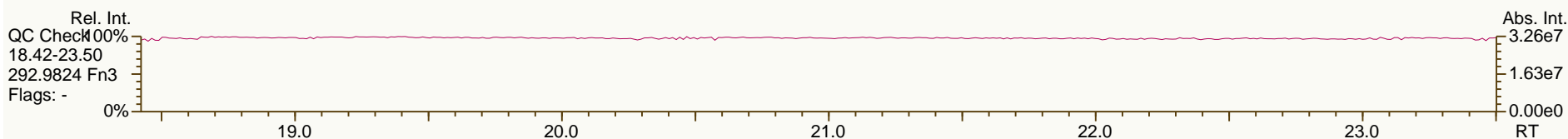
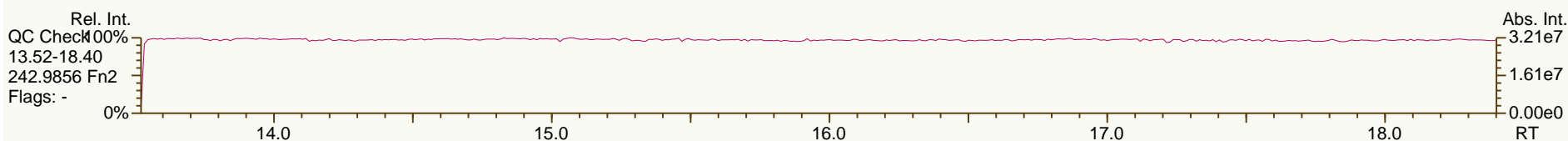
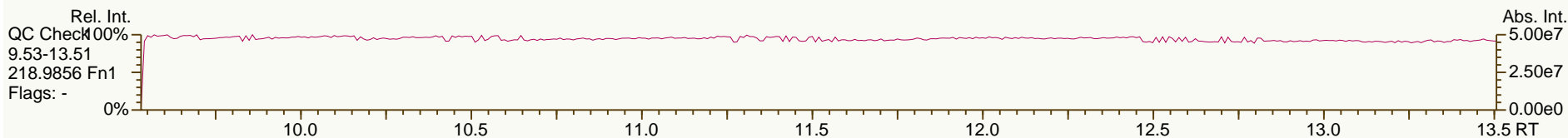
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.24	J C	1.1269	1.1268	-0.2	5.39E+04	1.26	0.73	1.84	8.40E+02	0.267
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.60	ND	8.40E+02	0.325
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	8.40E+02	0.281
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.75	ND	8.40E+02	0.261
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	8.40E+02	0.314
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.40E+02	0.29
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.67	ND	8.40E+02	0.292
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.66	ND	8.40E+02	0.294
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	8.40E+02	0.237
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.72	ND	8.40E+02	0.27
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	8.40E+02	0.207
PCB-153/168 ...-HxCB	32.81	J C	0.9709	0.9702	-1.4	4.85E+04	1.31	0.89	1.37	8.40E+02	0.22
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.67	ND	8.40E+02	0.293
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.61	ND	8.40E+02	0.318
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.72	ND	8.40E+02	0.271
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.93	ND	8.40E+02	0.21
PCB-163/138/129 ...-HxCB	33.84	J C	1.0012	1.0008	-0.8	6.02E+04	1.44	0.76	1.99	8.40E+02	0.258
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	8.40E+02	0.214
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	8.40E+02	0.204
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.90	ND	8.21E+02	0.204
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	8.21E+02	0.174
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	8.21E+02	0.168
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.04E+02	0.245
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		1.09	ND	9.04E+02	0.238
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.04E+02	0.248
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.17	ND	9.04E+02	0.222
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.04E+02	0.231
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.82	ND	9.04E+02	0.318
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.86	ND	9.34E+02	0.312
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.91	ND	9.34E+02	0.296
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	9.34E+02	0.289
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		1.00	ND	9.34E+02	0.269
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	9.34E+02	0.321
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.77	ND	9.34E+02	0.35
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.77	ND	9.34E+02	0.35
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	9.34E+02	0.3
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.80	ND	9.34E+02	0.335
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.72	ND	9.34E+02	0.242
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	9.34E+02	0.191
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	9.34E+02	0.206
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	9.34E+02	0.185
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	9.34E+02	0.249
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.91	ND	9.34E+02	0.19
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	7.79E+02	0.232
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.95	ND	7.79E+02	0.203

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.79E+02	0.212
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.88	ND	7.79E+02	0.217
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	7.79E+02	0.229
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.67	ND	7.79E+02	0.284
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.68	ND	7.79E+02	0.28
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.72	ND	7.79E+02	0.266
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.66	ND	7.06E+02	0.267
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.72	ND	7.06E+02	0.242
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.06E+02	0.161
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	7.55E+02	0.221
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	7.55E+02	0.218
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	7.55E+02	0.265

AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

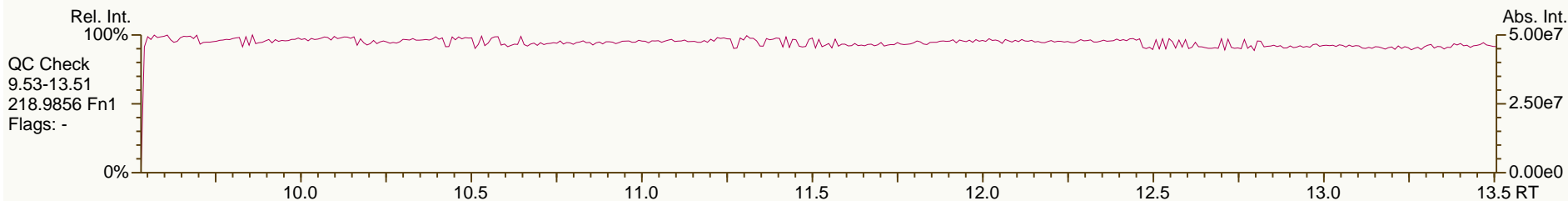
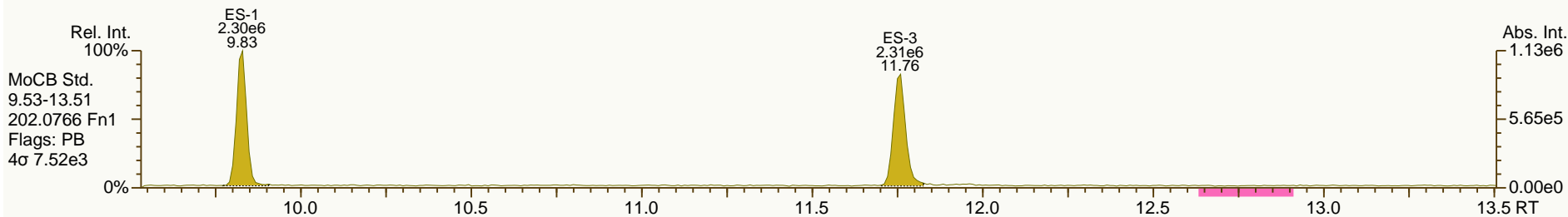
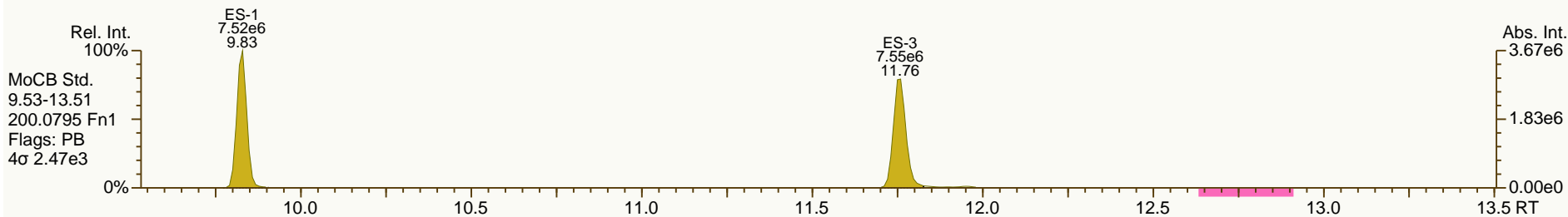
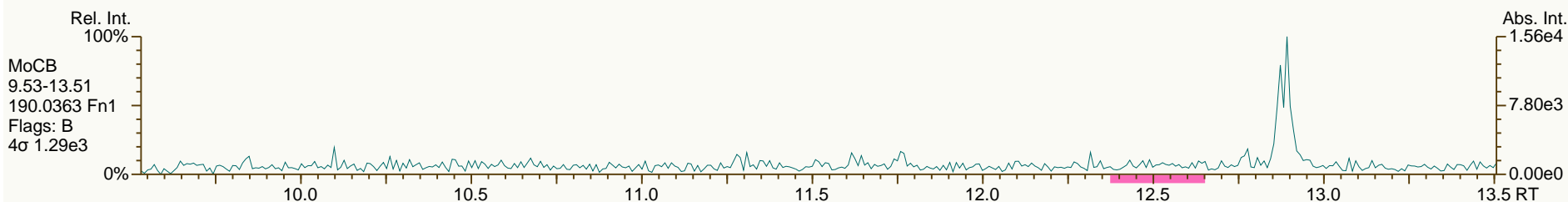
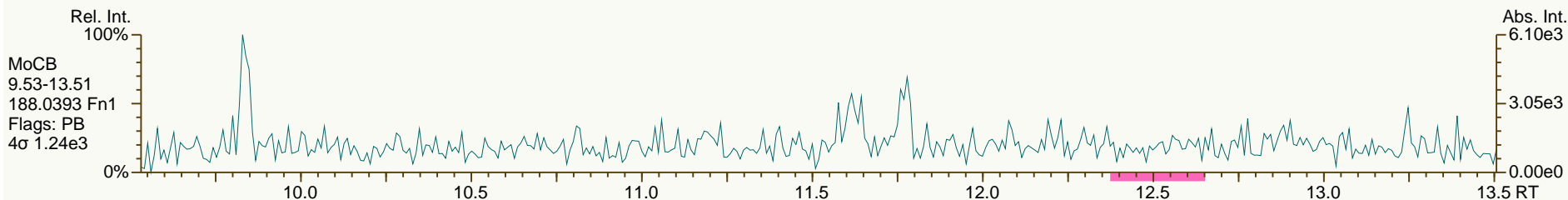
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AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

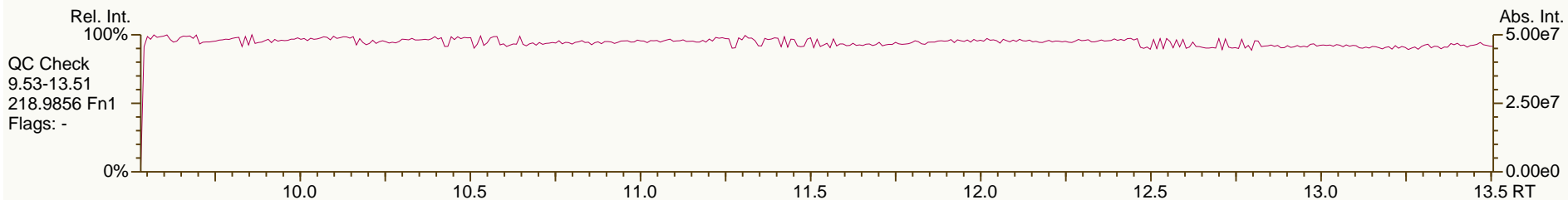
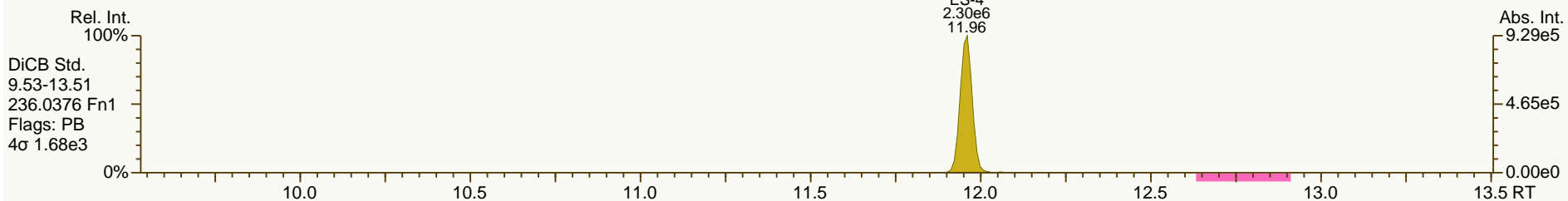
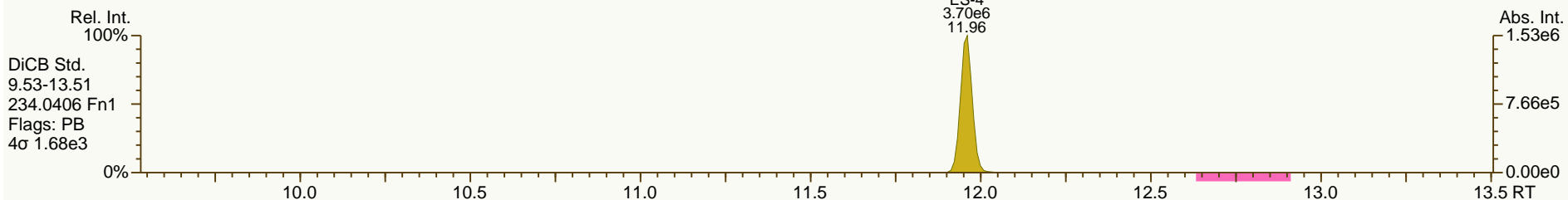
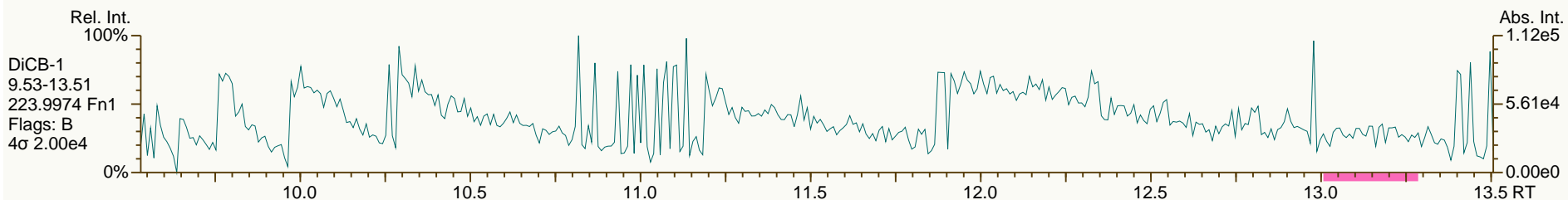
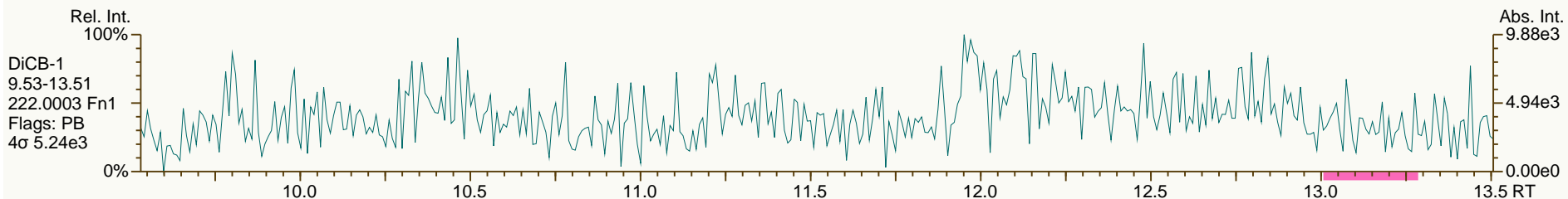
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Sample ID: MB #73562
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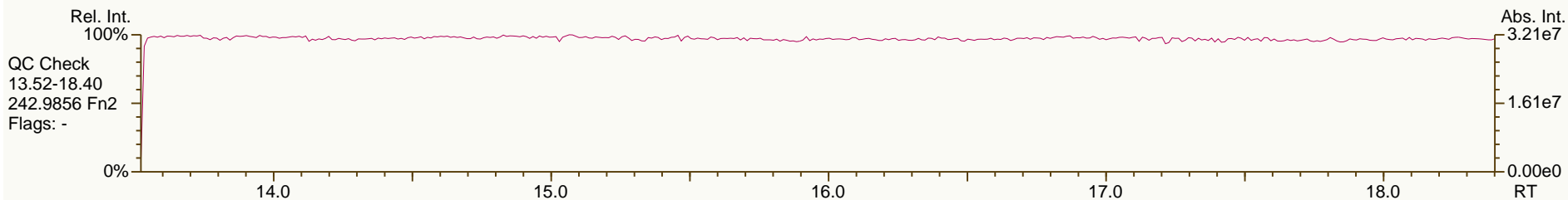
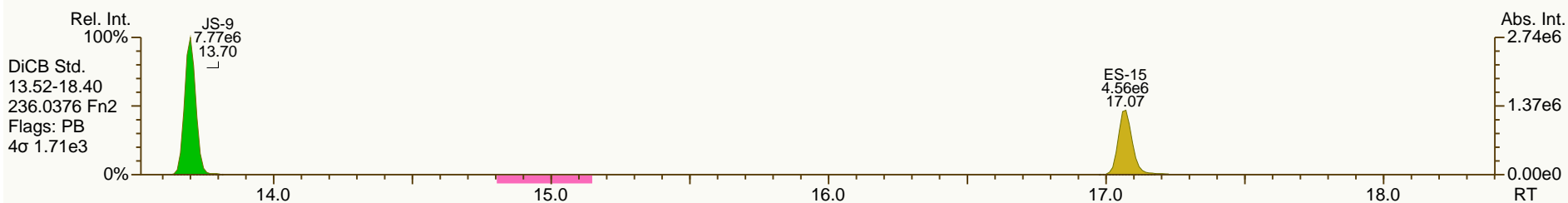
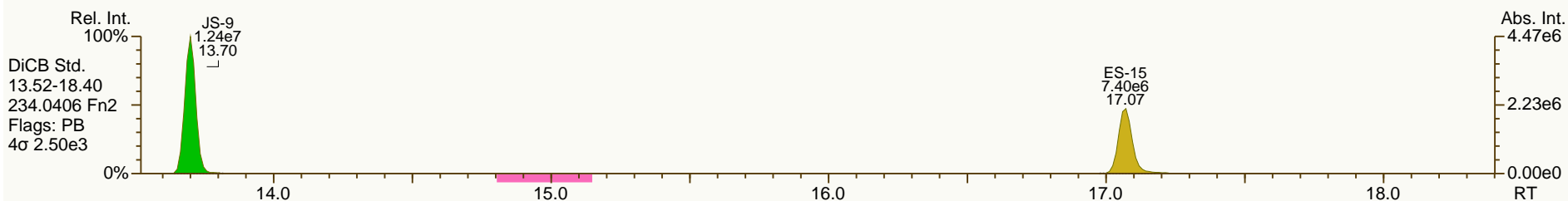
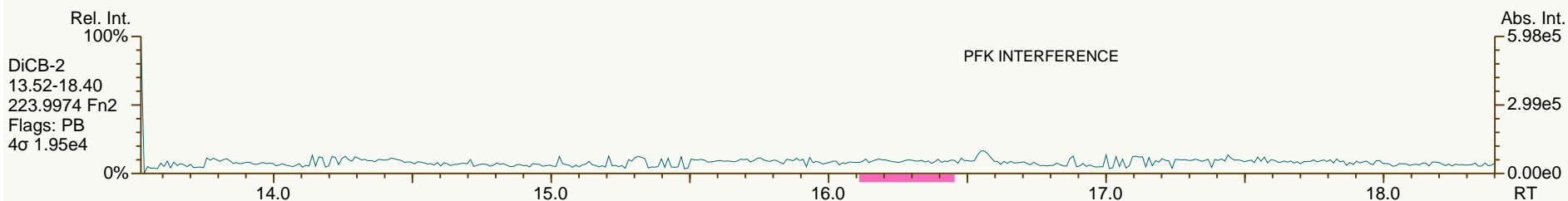
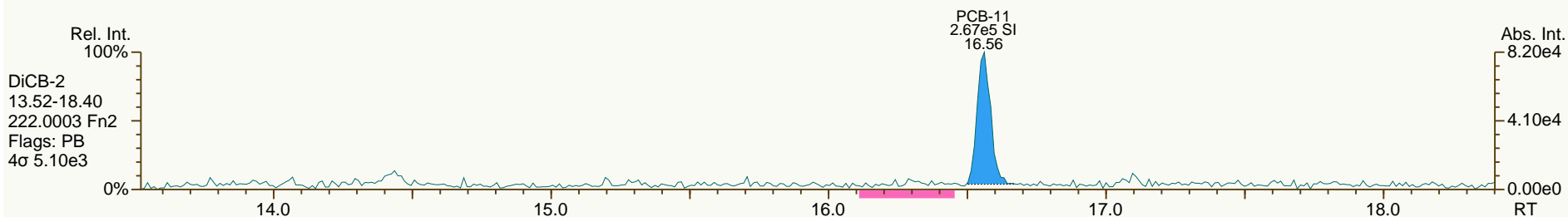
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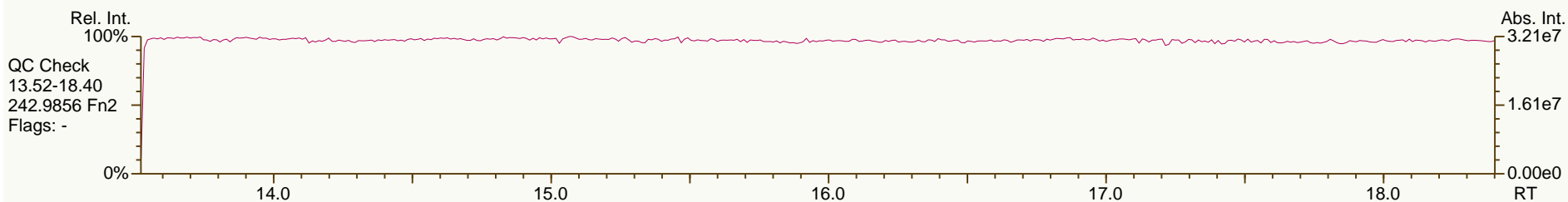
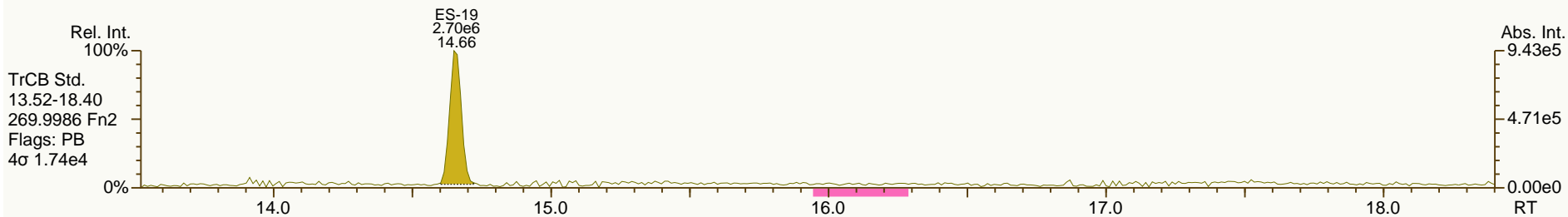
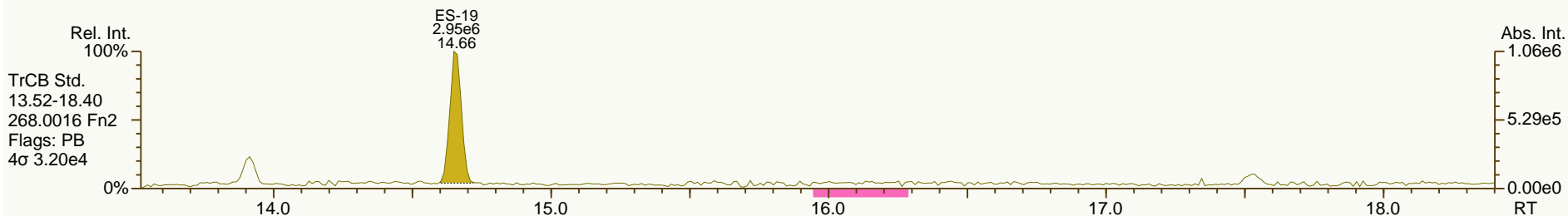
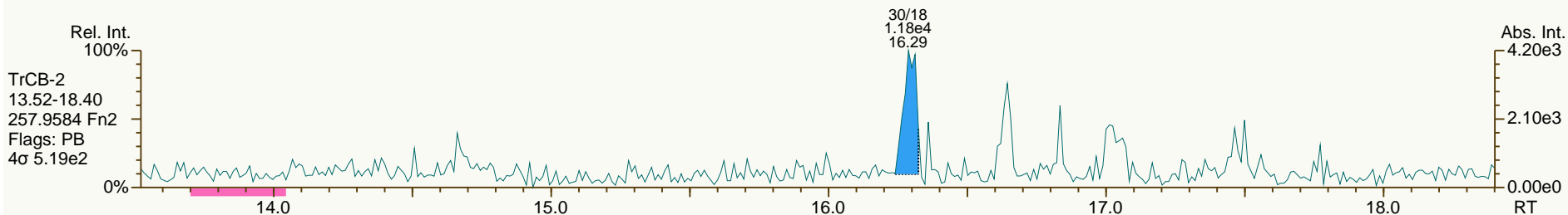
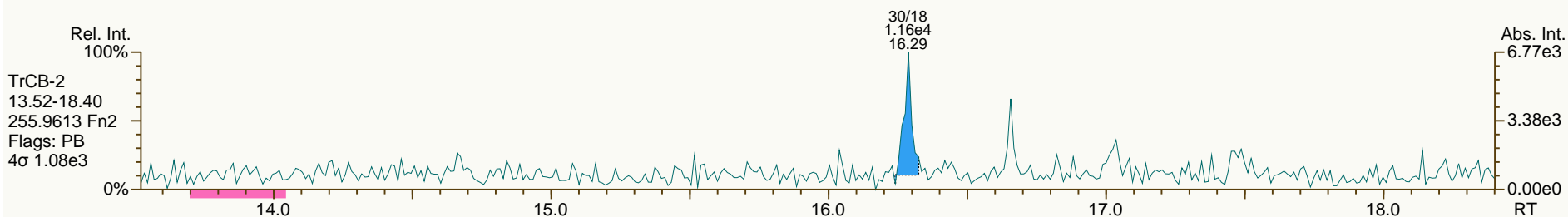
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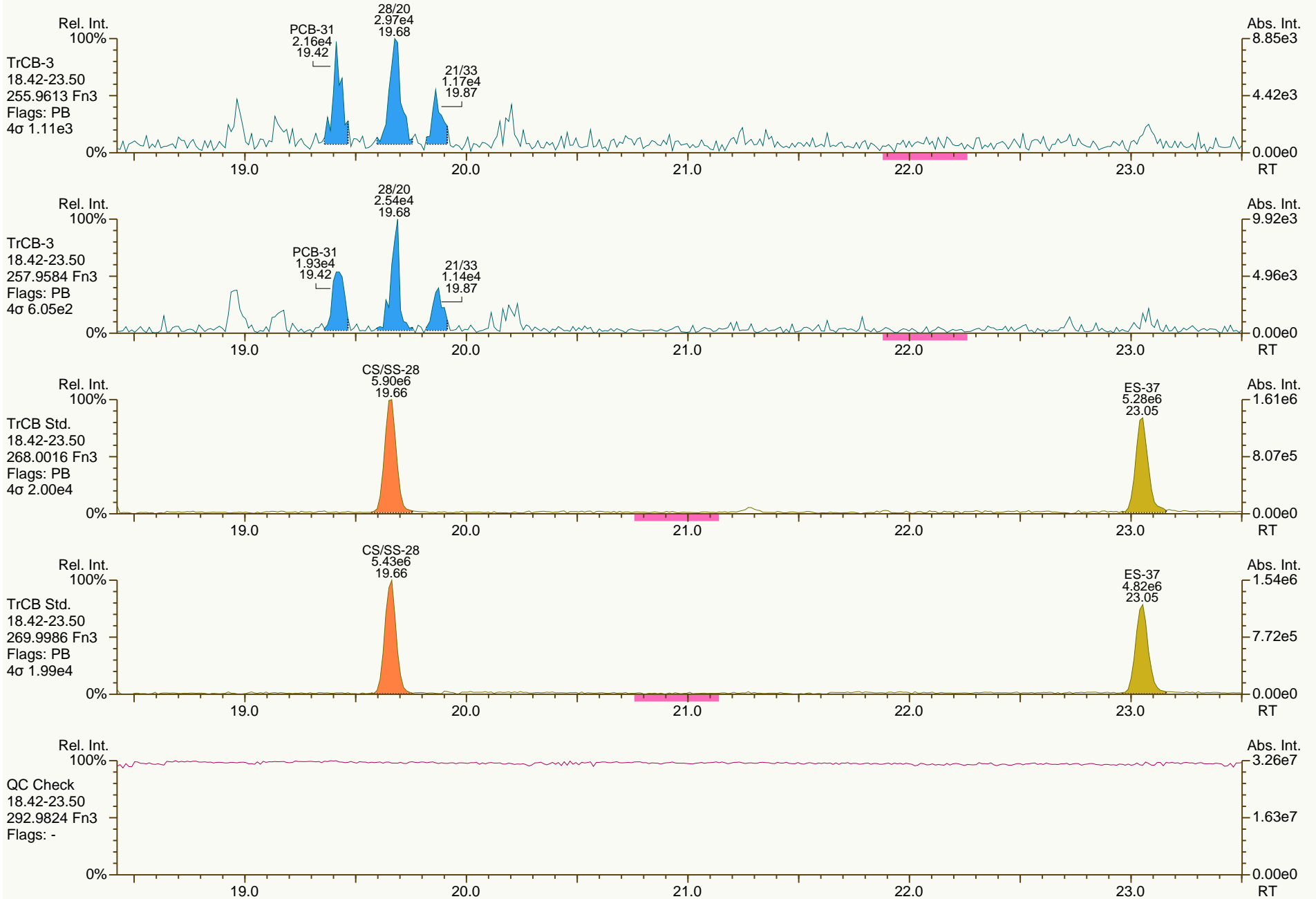
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Sample ID: MB #73562
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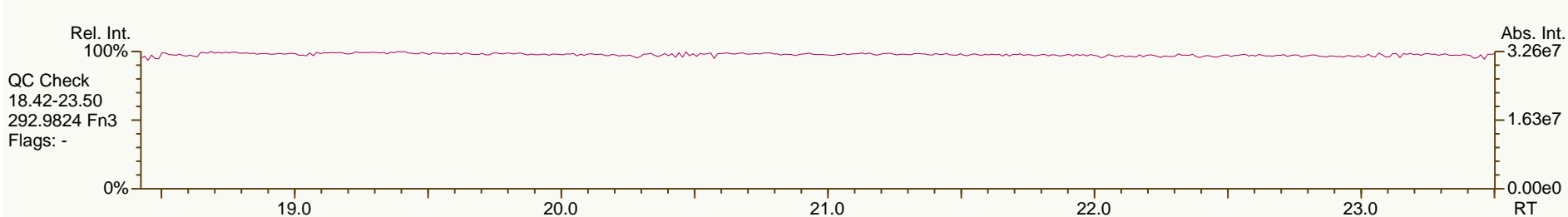
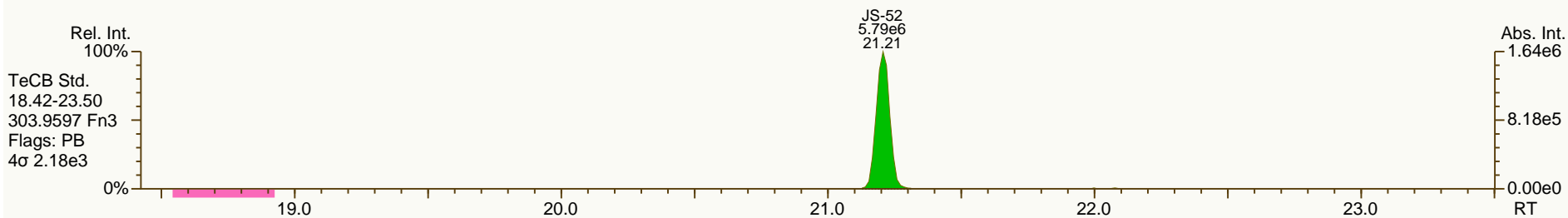
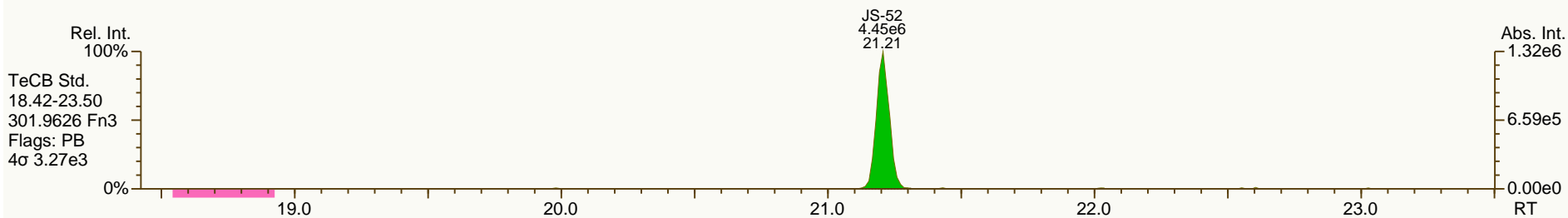
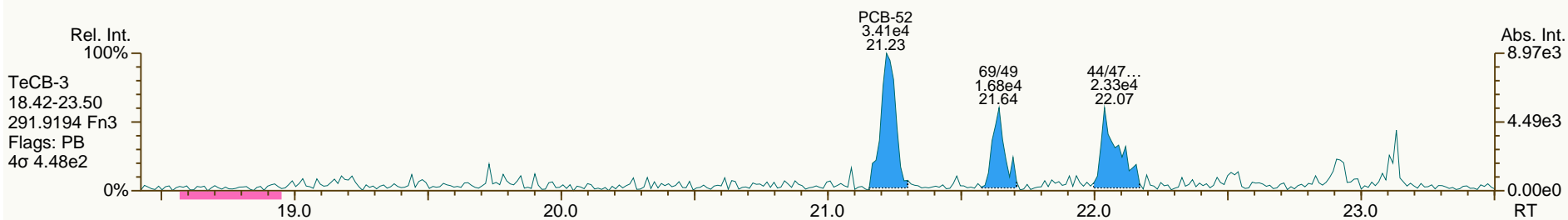
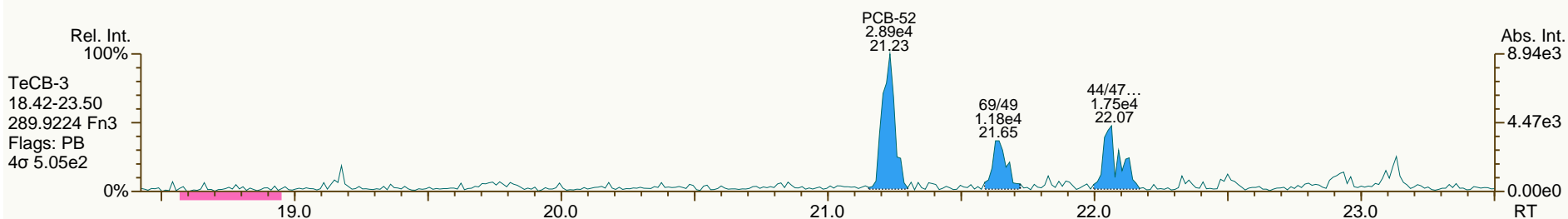
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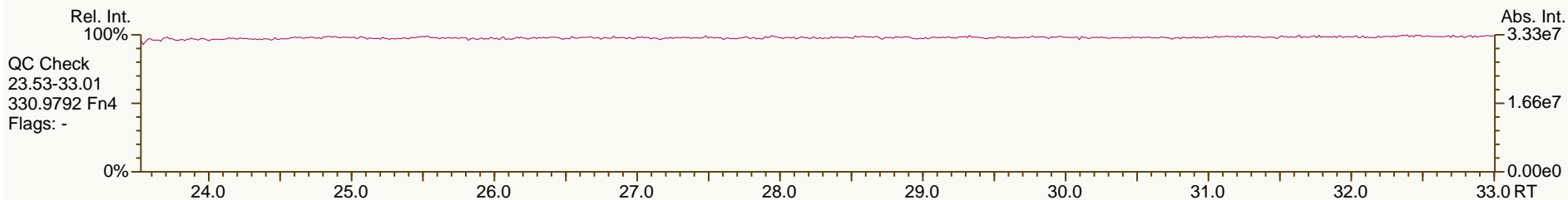
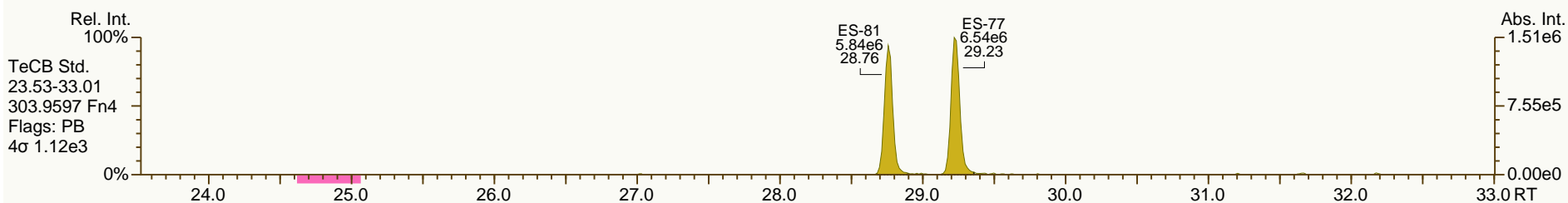
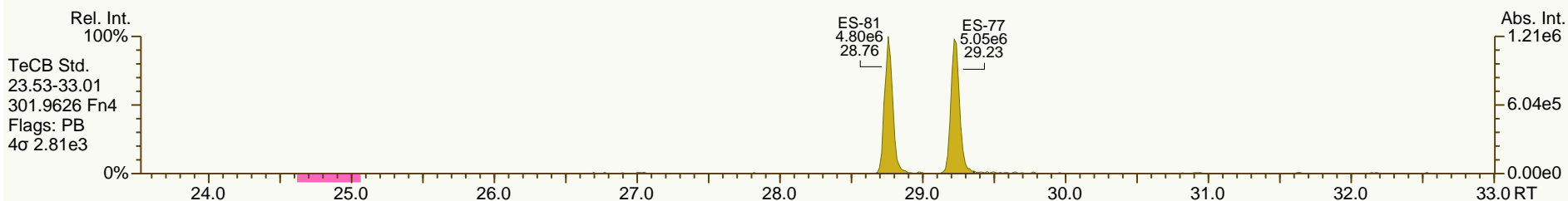
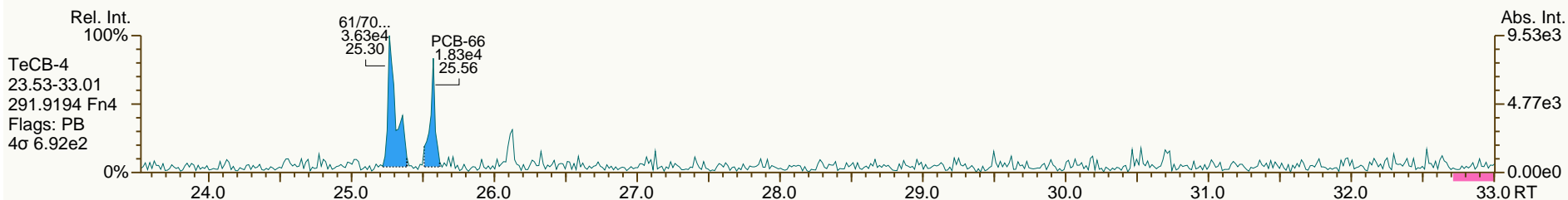
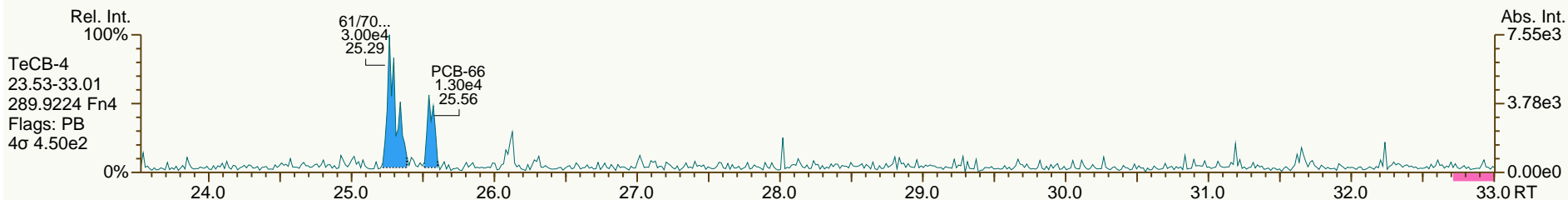
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AP Lab ID: MB1_9892_PCB_SDS
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Sample ID: MB #73562
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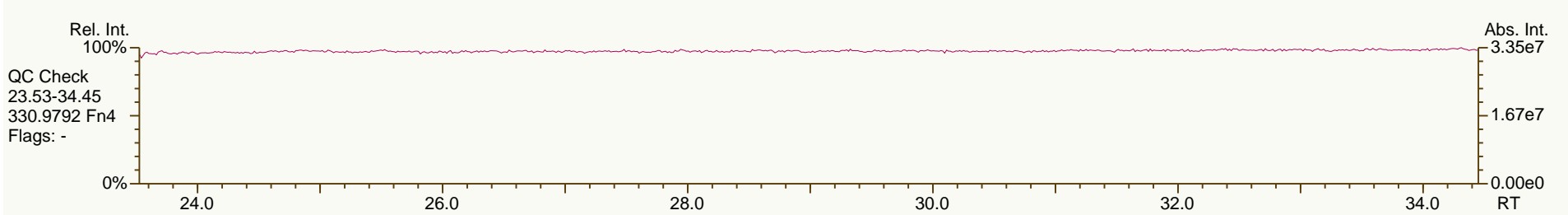
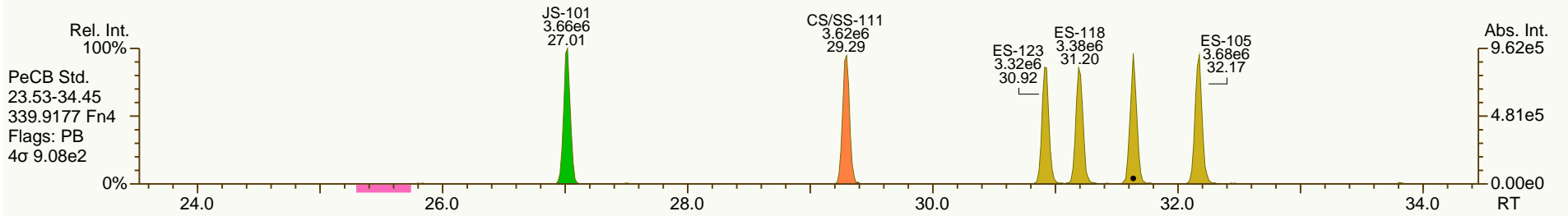
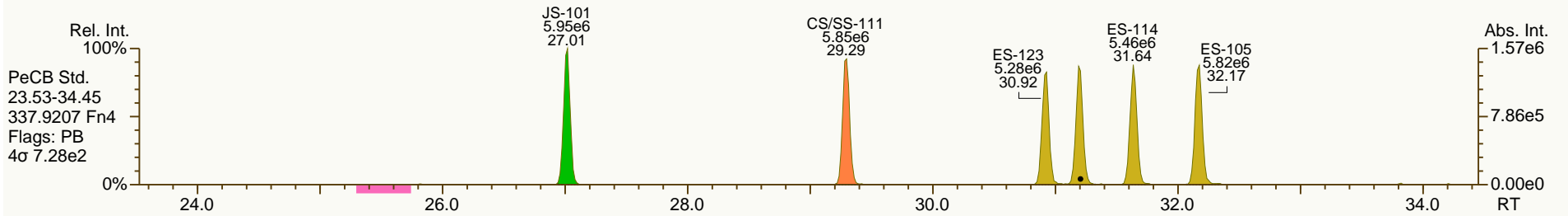
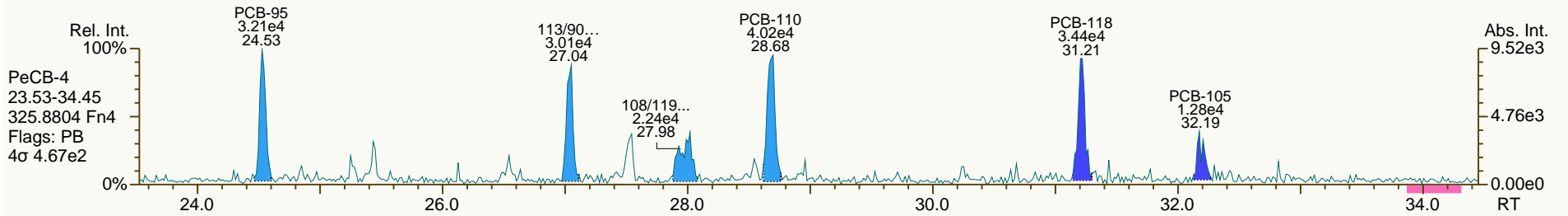
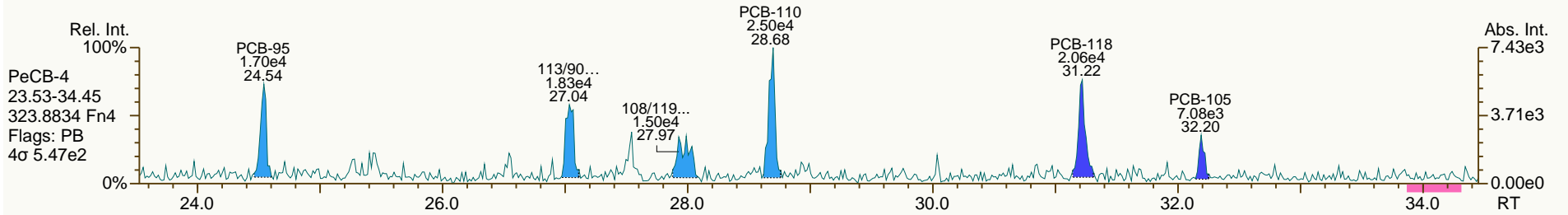
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Sample ID: MB #73562
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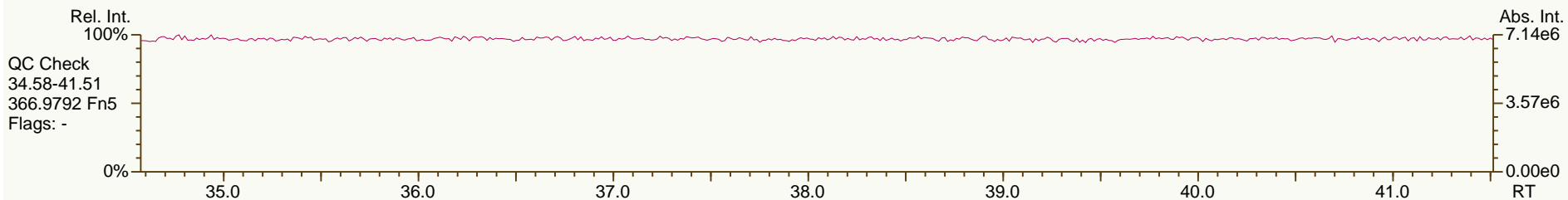
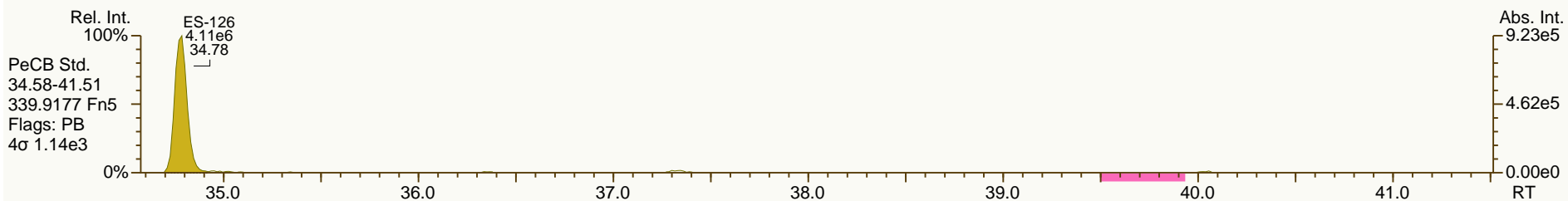
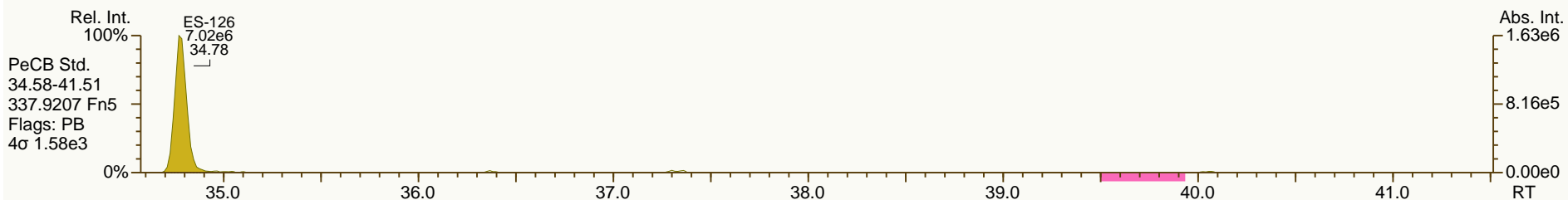
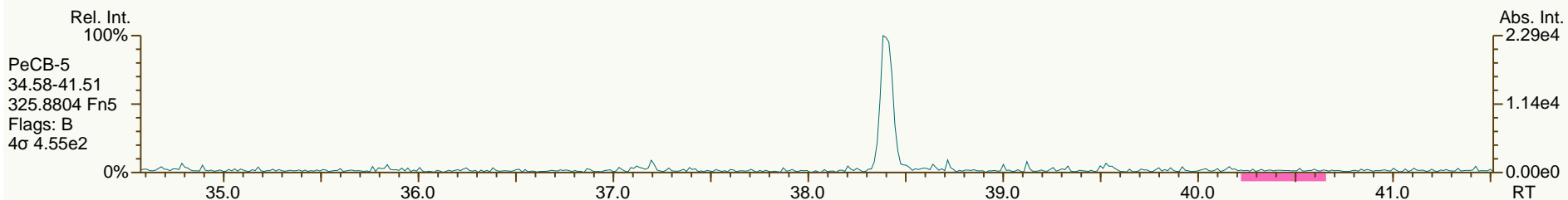
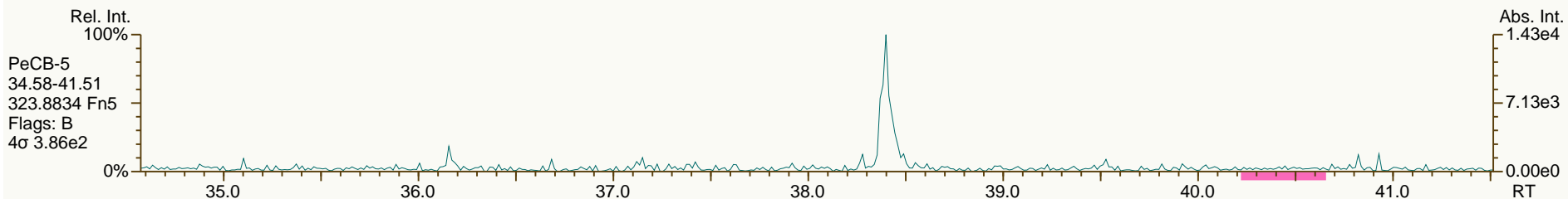
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Sample ID: MB #73562
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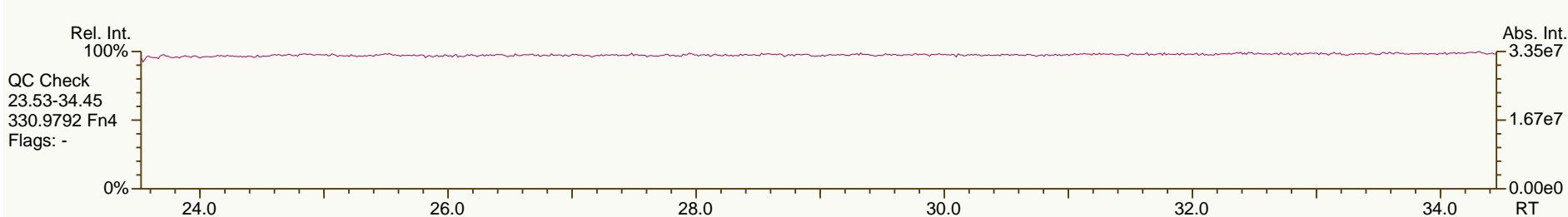
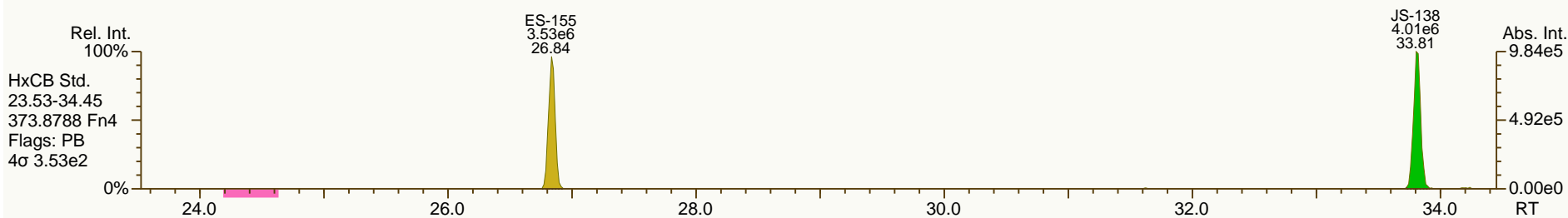
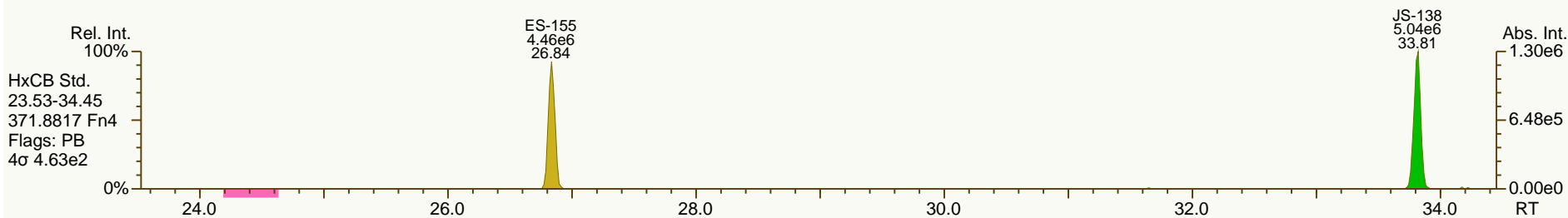
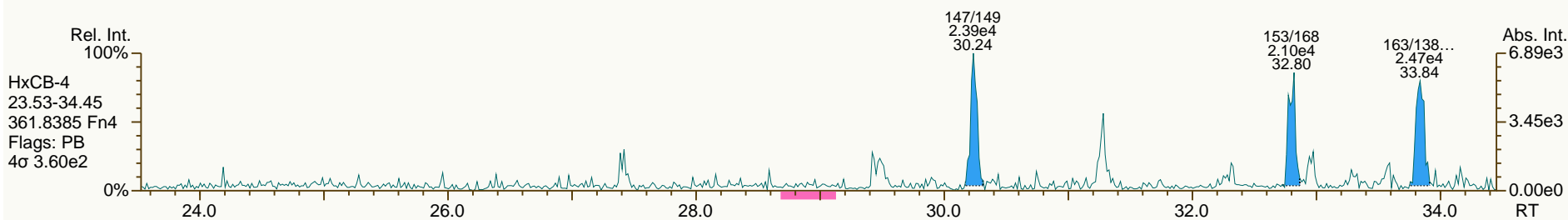
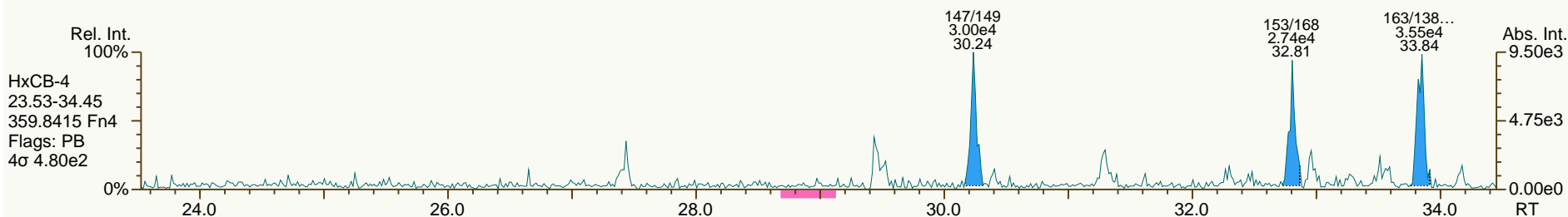
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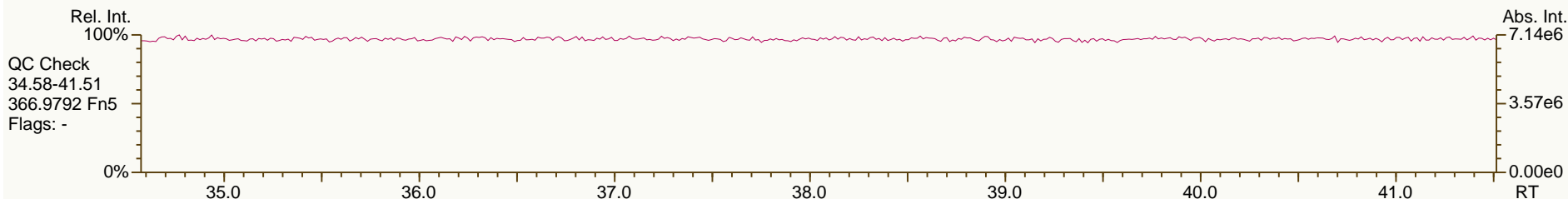
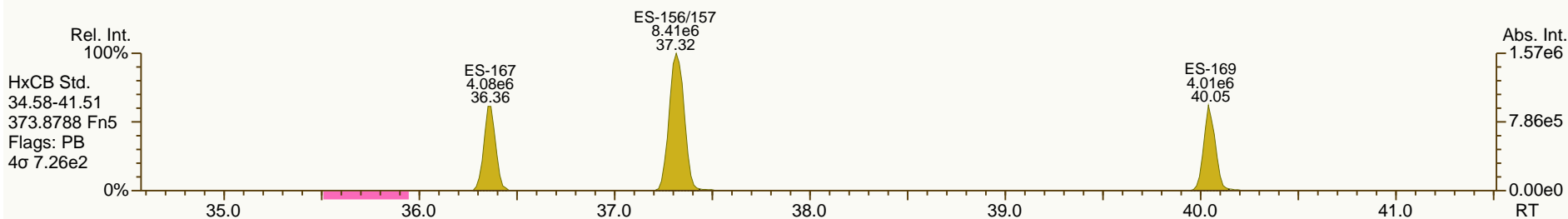
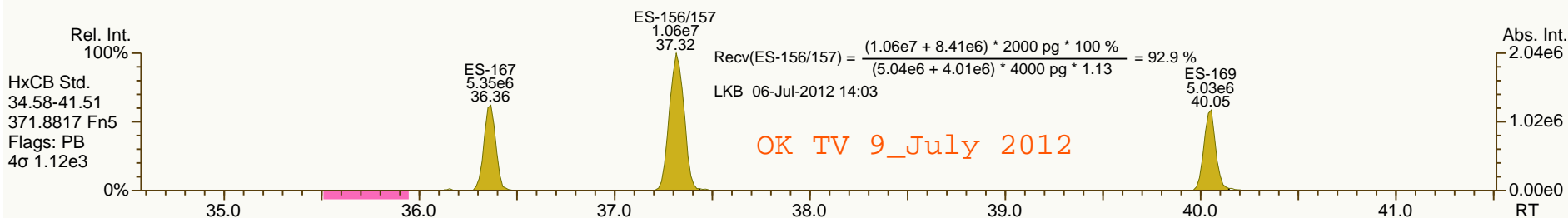
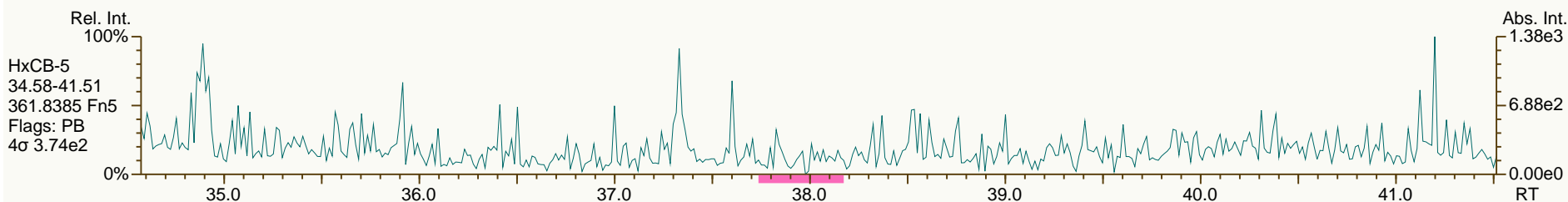
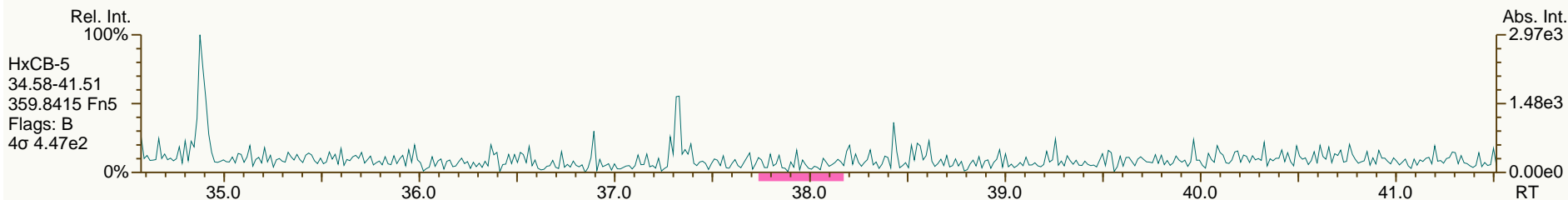
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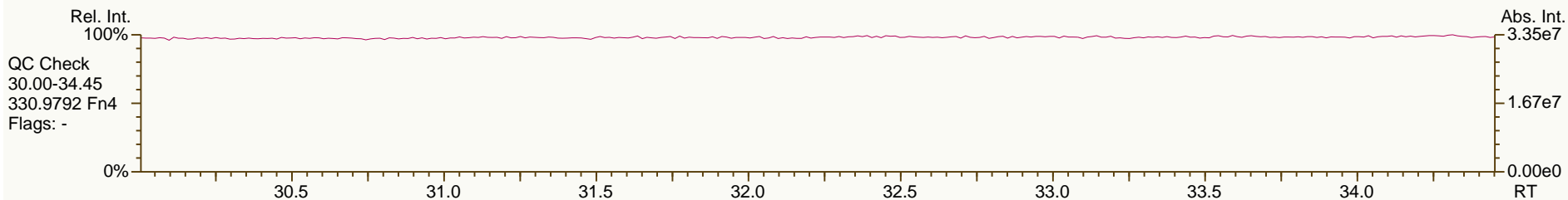
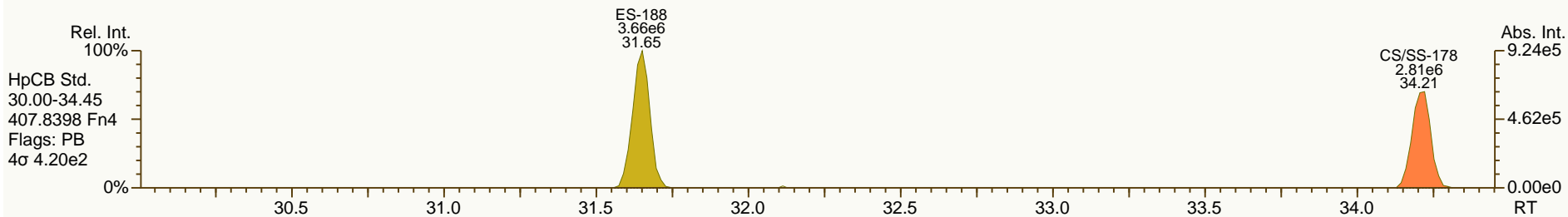
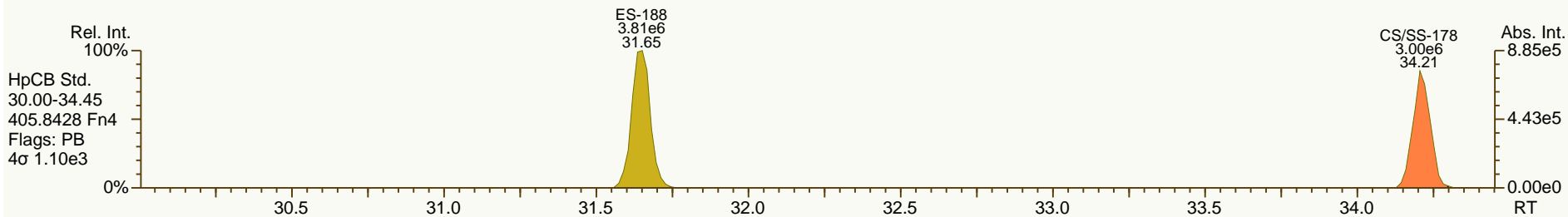
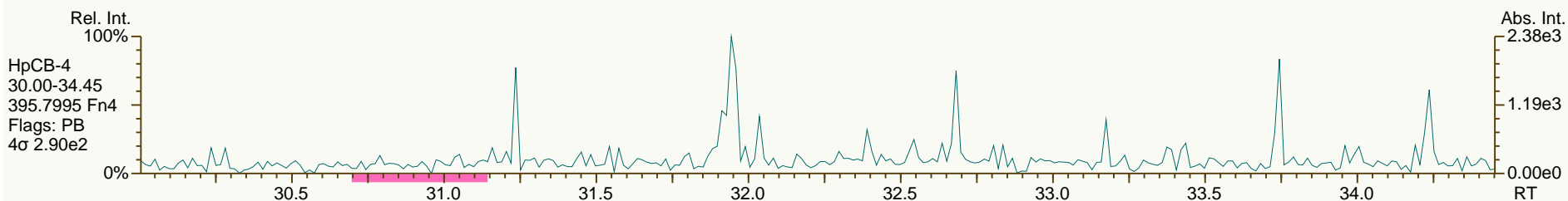
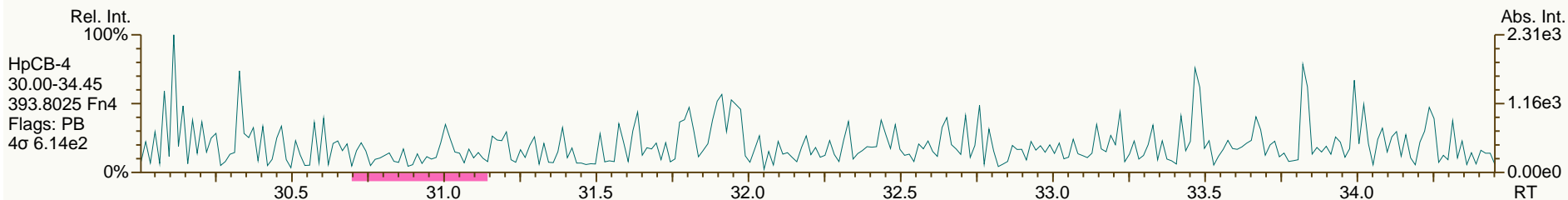
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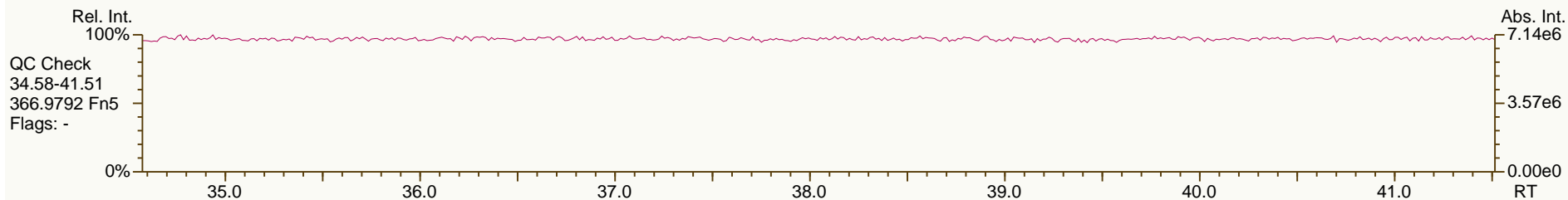
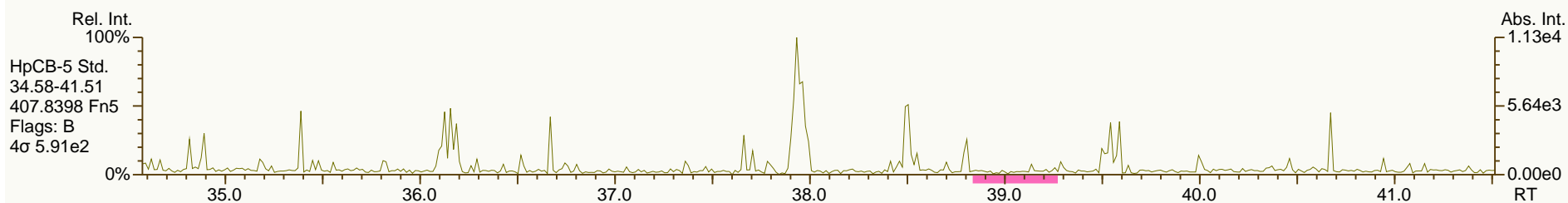
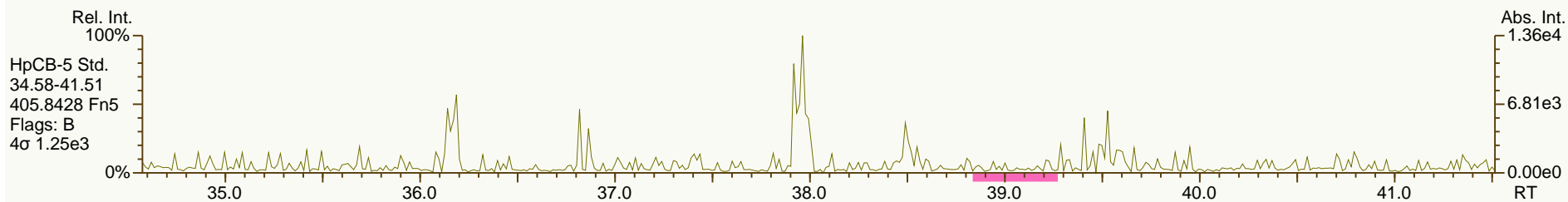
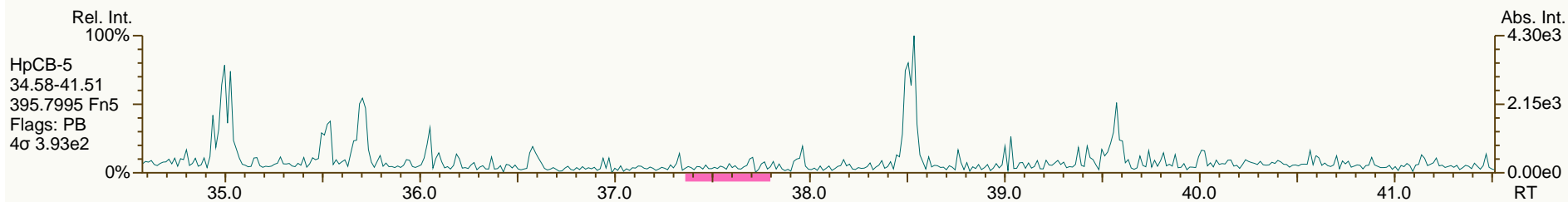
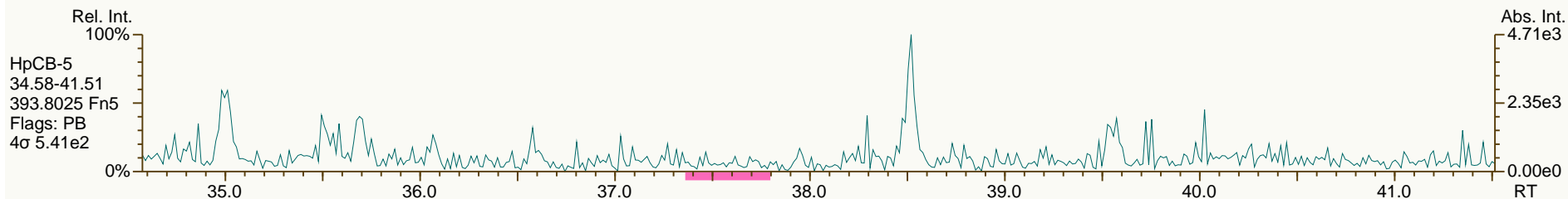
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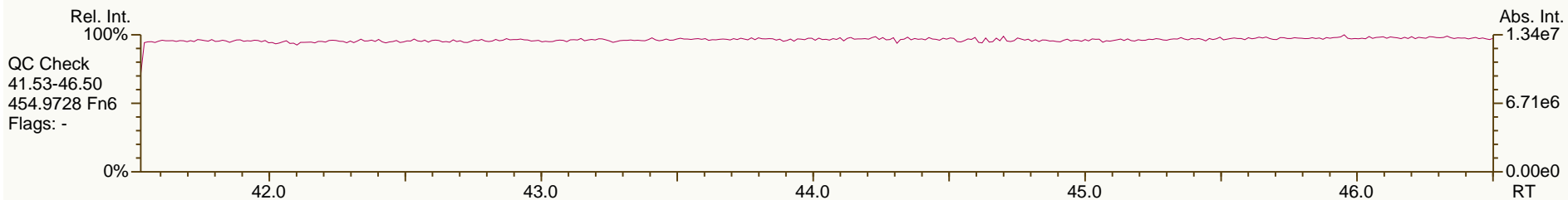
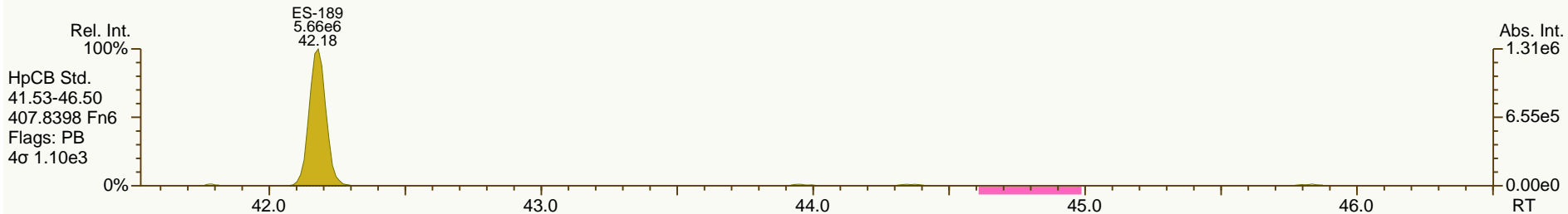
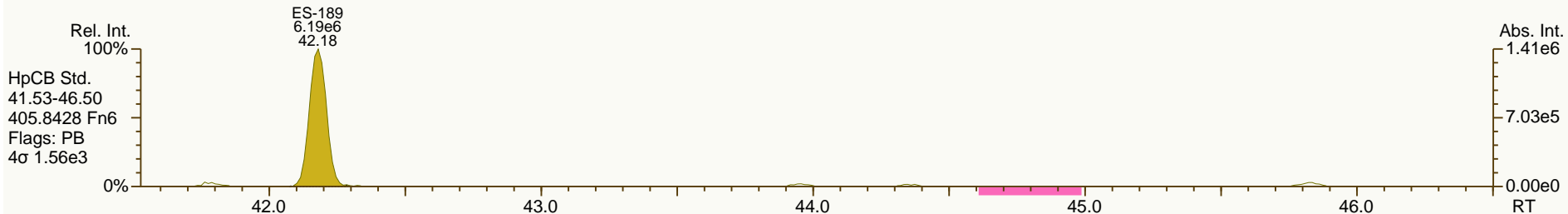
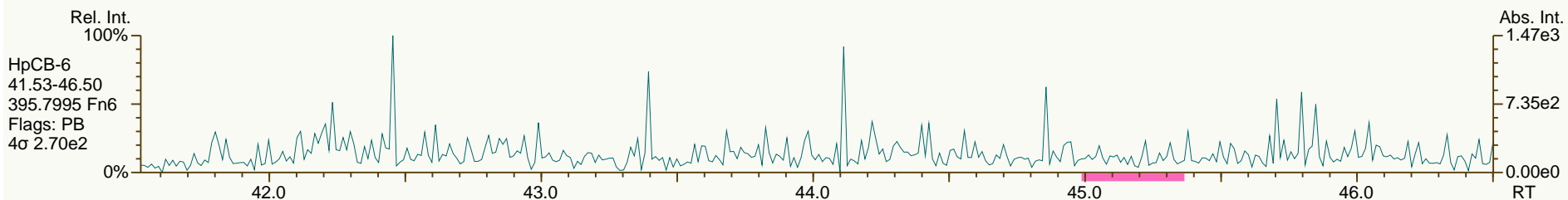
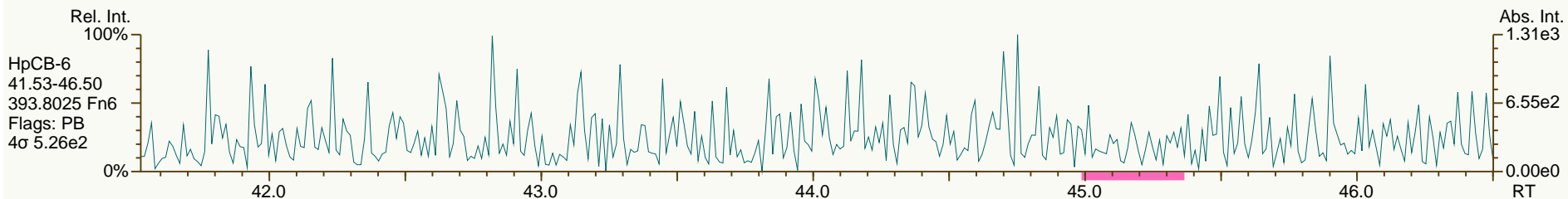
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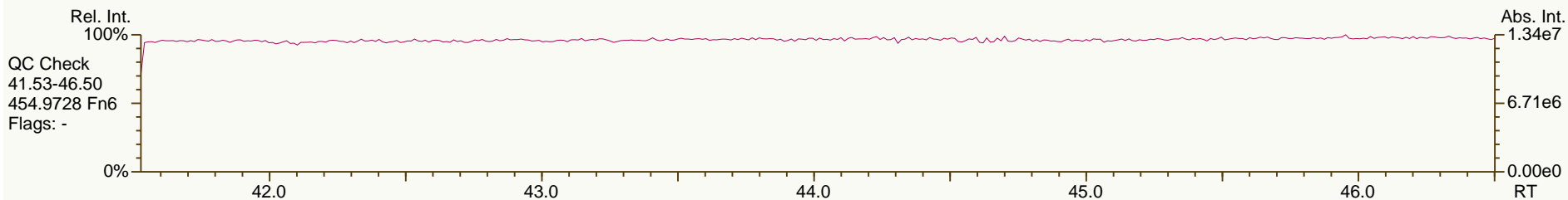
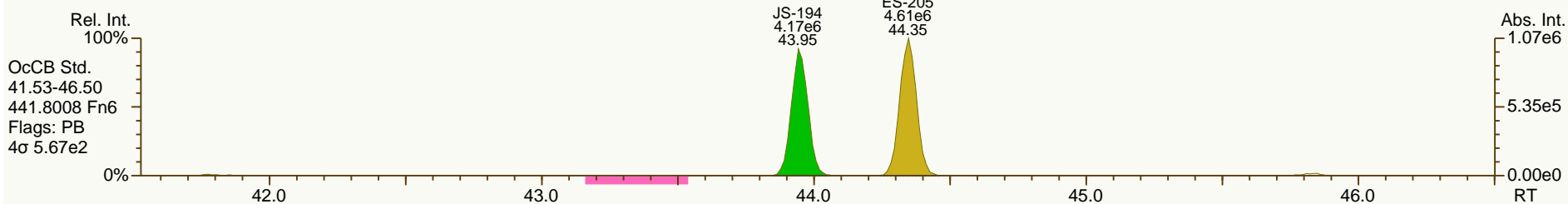
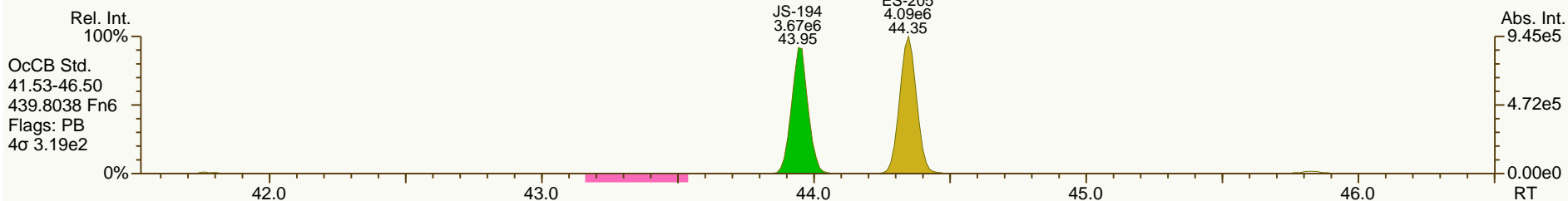
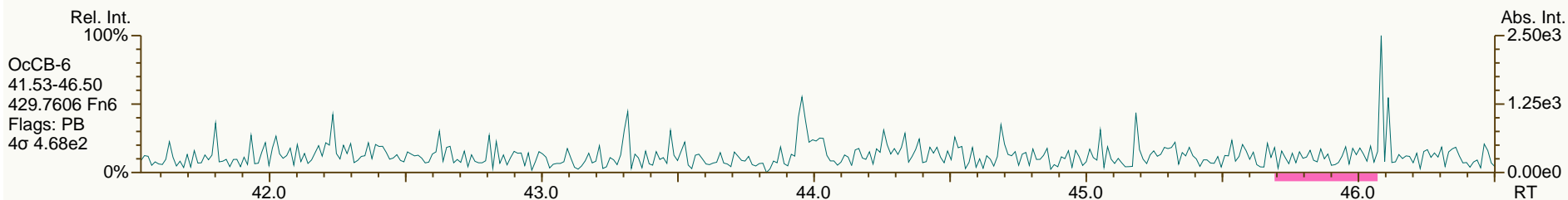
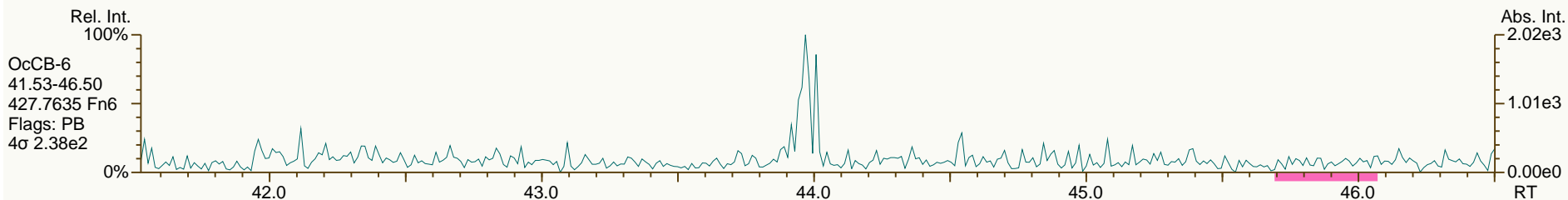
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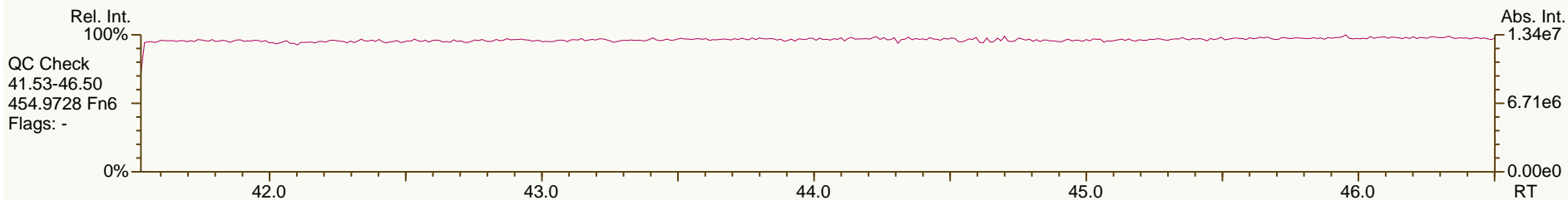
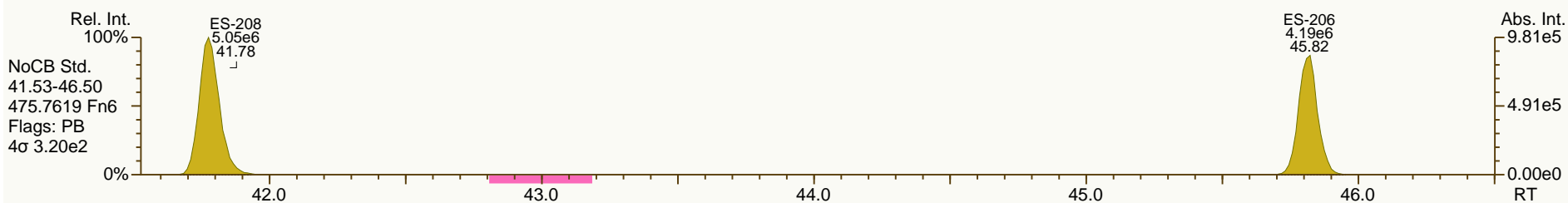
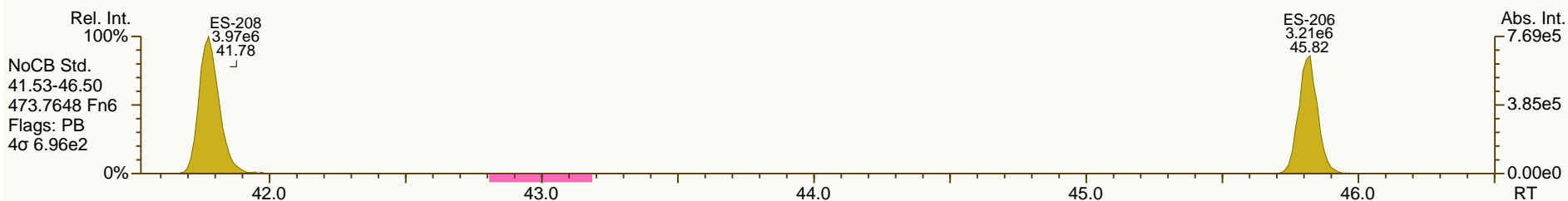
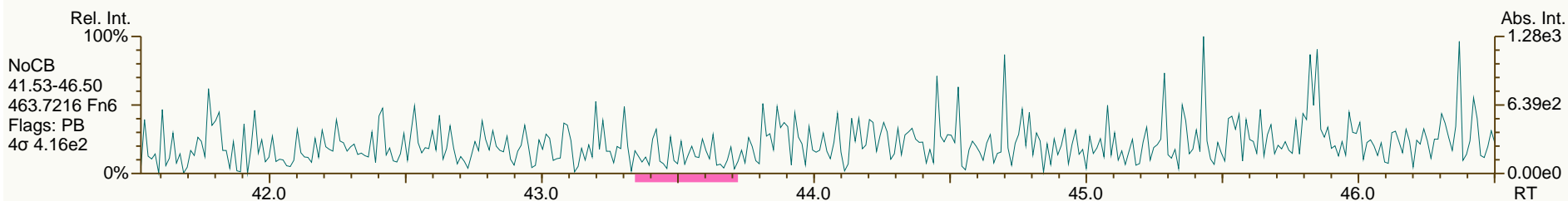
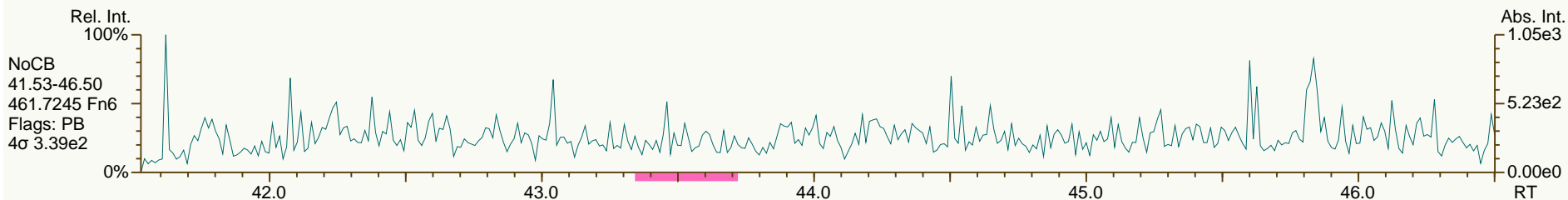
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AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

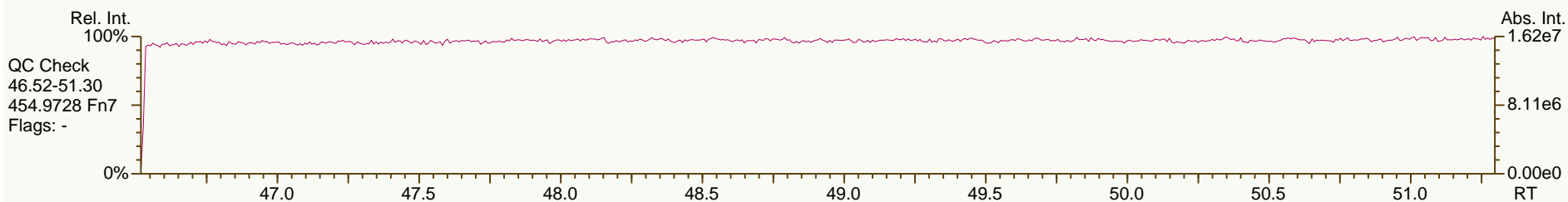
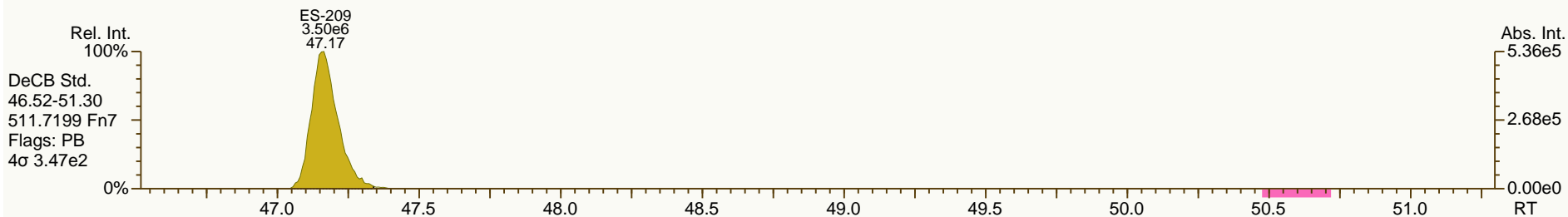
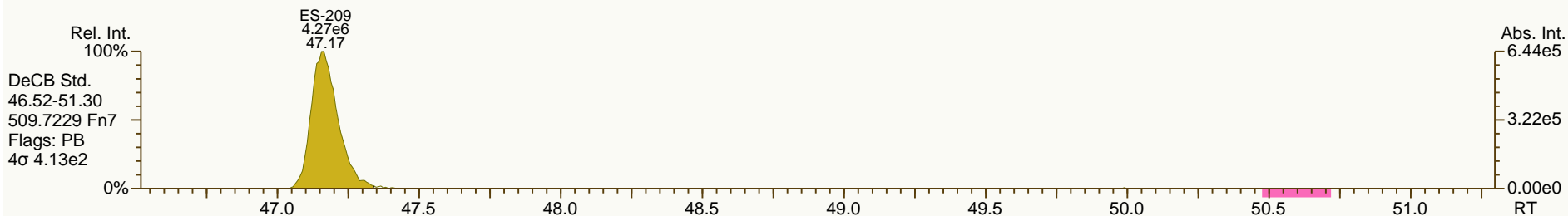
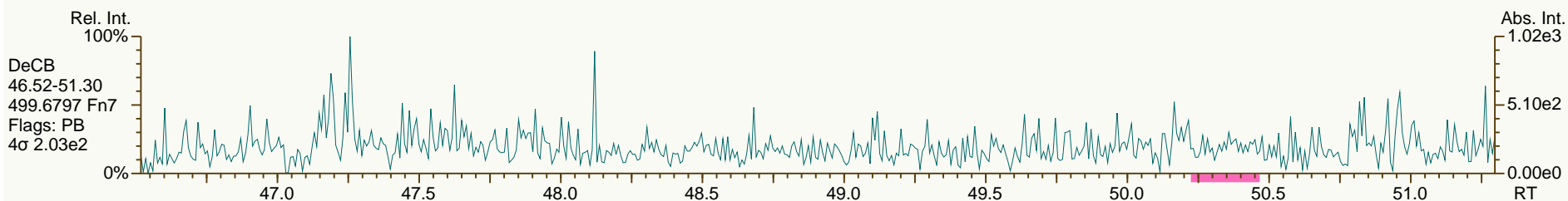
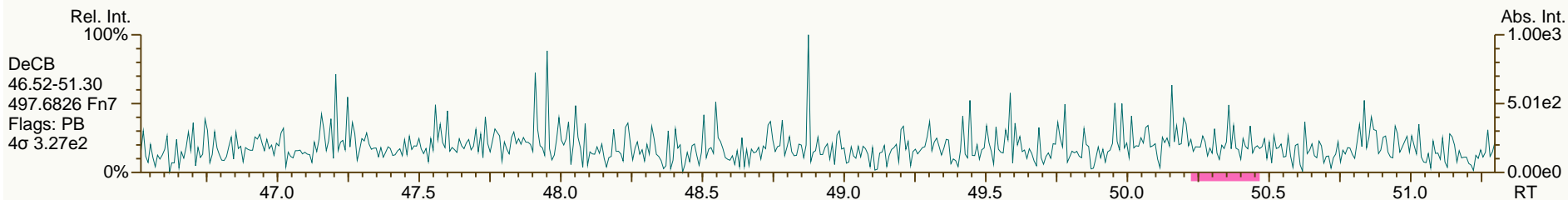
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AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

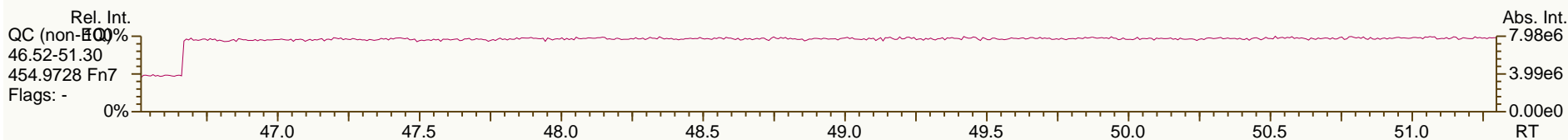
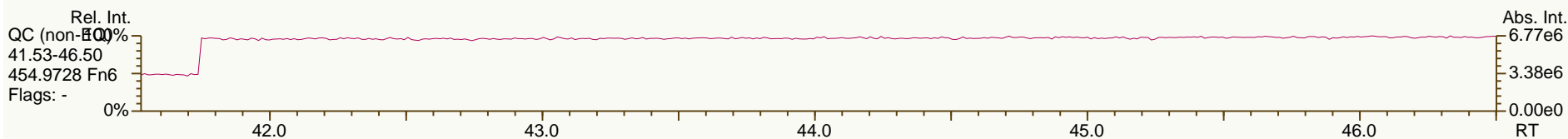
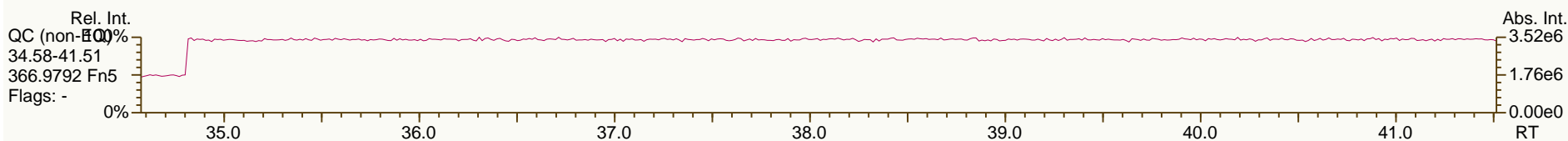
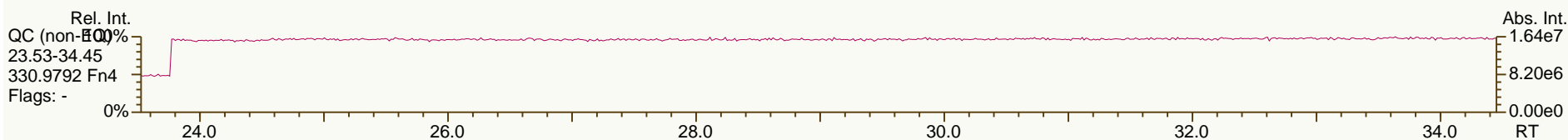
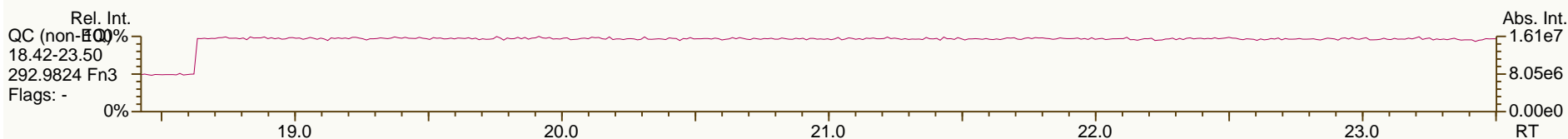
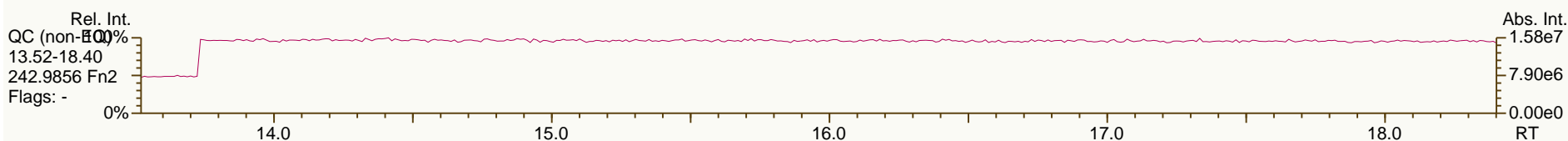
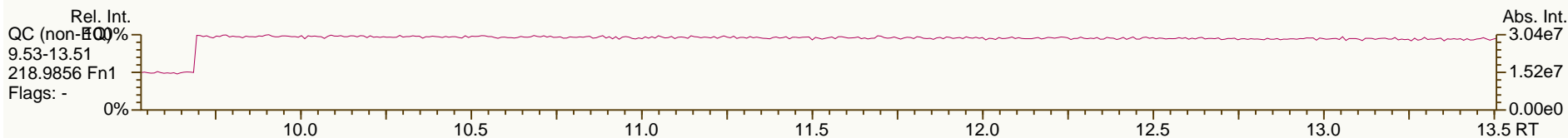
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AP Lab ID: MB1_9892_PCB_SDS
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73562
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 19

Acq: 03-Jul-2012 17:07:28
User: LKB Datafile: 120703S06



Lab ID: A4369_9892_PCB_001
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ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 869-474-PHP
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	2.06E+05	0.75	1.22	1.92	1.79E+03	0.176
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.79E+03	0.175
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	1.16E+06	0.60	1.03	17.1	2.79E+03	0.42
PCB-114 2344'5'-PeCB	31.67		1.0007	1.0007	0	7.69E+04	0.54	1.10	1.09	2.79E+03	0.373
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	2.95E+06	0.61	1.03	42.3	2.79E+03	0.415
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0010	+0.6	6.62E+04	0.55	0.93	1.14	2.79E+03	0.498
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	2.03E+03	0.239
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	3.69E+05	1.23	1.05	5.14	8.76E+02	0.162
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	1.87E+05	1.25	1.08	2.59	8.76E+02	0.119
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	8.76E+02	0.144
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.18E+03	0.141
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	3.87E+02	0.139
ES PCB-1	9.83		0.7181	0.7173	-0.5	1.48E+07	3.23	1.01	60.3 %	4%	100%
ES PCB-3	11.76		0.8583	0.8581	-0.1	1.58E+07	3.28	1.05	62.2 %	11%	106%
ES PCB-4	11.96		0.8732	0.8728	-0.3	9.53E+06	1.64	0.70	56.4 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	1.98E+07	1.63	1.17	69.9 %	19%	107%
ES PCB-19	14.66		1.0698	1.0698	0	9.18E+06	1.02	0.57	66.9 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	1.57E+07	1.08	1.41	89.4 %	25%	123%
ES PCB-54	17.30		0.8157	0.8155	-0.2	1.09E+07	0.80	1.32	66.1 %	13%	105%
ES PCB-77	29.24		1.3777	1.3783	+1.1	1.59E+07	0.81	1.22	105 %	31%	109%
ES PCB-81	28.77		1.3557	1.3562	+0.9	1.54E+07	0.80	1.15	107 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	1.13E+07	1.65	1.69	57.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	1.20E+07	1.66	1.21	86.3 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	1.17E+07	1.64	1.23	82.1 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	1.22E+07	1.57	1.25	85.2 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	1.14E+07	1.58	1.33	74.6 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	1.42E+07	1.64	1.36	90.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	1.22E+07	1.32	1.40	84 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	2.49E+07	1.26	1.13	106 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	1.22E+07	1.30	1.13	104 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	1.10E+07	1.25	1.14	92.6 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7201	-0.6	1.00E+07	1.09	1.34	72 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	1.45E+07	1.07	1.77	96.9 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	1.12E+07	0.90	1.27	85.4 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	9.63E+06	0.91	1.25	91.1 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	7.60E+06	0.78	1.07	84.2 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	1.05E+07	0.80	1.34	92.4 %	31%	126%
ES PCB-209	47.19		1.0732	1.0734	+0.6	8.17E+06	1.21	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.66		0.9269	0.9269	0	1.59E+07	1.10	0.98	103 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0844	+0.2	1.28E+07	1.60	0.90	125 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	7.38E+06	1.09	0.65	114 %	57%	125%
CS PCB-28	19.66		0.9269	0.9269	0	1.59E+07	1.10	1.39	92.1 %	14%	131%
CS PCB-111	29.30		1.0843	1.0844	+0.2	1.28E+07	1.60	1.19	93.1 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	7.38E+06	1.09	0.87	82.1 %	57%	125%
JS PCB-9	13.71					2.42E+07	1.60				
JS PCB-52	21.21					1.25E+07	0.78				
JS PCB-101	27.02					1.15E+07	1.59				
JS PCB-138	33.82					1.04E+07	1.30				
JS PCB-194	43.96					8.46E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	4.94	4.94	0.175		
						Di-CBs	69.2	69.2	0.735		
						Tri-CBs	72.2	72.2	0.256		
						Tetra-CBs	204	205	0.165		
						Penta-CBs	390	391	0.357		
						Hexa-CBs	388	389	0.133		
						Hepta-CBs	135	137	0.18		
						Octa-CBs	26.1	26.1	0.138		
						Nona-CBs	1.01	1.01	0.207		
PCB-1 2-MoCB	9.84		1.0011	1.0011	0	1.42E+05	3.06	1.20	1.45	3.06E+03	0.155
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	2.07E+05	3.25	1.14	2.08	3.06E+03	0.192
PCB-3 4-MoCB	11.77		1.0010	1.0011	+0.1	1.39E+05	2.77	1.13	1.41	3.06E+03	0.195
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	1.21E+05	SI	0.94	2.44	8.00E+03	0.958
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.98E+04	2.02
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	1.57E+04	1.37
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	1.57E+04	1.16
PCB-6 23'-DiCB	14.06		1.0261	1.0261	0	1.47E+05	SI	0.96	1.41	6.60E+03	0.537
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	1.57E+04	1.3
PCB-8 24'-DiCB	14.44		1.0533	1.0535	+0.2	3.91E+05	SI	1.01	3.55	6.60E+03	0.51
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	1.57E+04	1.11
PCB-11 33'-DiCB	16.56	B	0.9701	0.9700	-0.1	6.03E+06	1.42	0.94	59	1.57E+04	1.3
PCB-13/12 34'/34-DiCB	16.80	J C	0.9855	0.9839	-1.6	8.58E+04	SI	0.94	0.834	6.60E+03	0.545
PCB-15 44'-DiCB	17.09		1.0008	1.0007	-0.1	2.16E+05	SI	1.01	1.97	6.60E+03	0.511

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0011	0	5.47E+04	1.12	1.01	1.07	1.86E+03	0.265
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	5.56E+05	1.10	1.23	8.95	1.86E+03	0.219
PCB-17 22'4-TrCB	16.65		1.1357	1.1359	+0.2	2.50E+05	1.11	1.05	4.72	1.86E+03	0.256
PCB-27 23'6-TrCB	16.83		1.1479	1.1481	+0.2	9.20E+04	1.06	1.38	1.32	1.86E+03	0.195
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.86E+03	0.206
PCB-16 22'3-TrCB	17.03		1.1612	1.1616	+0.4	1.69E+05	1.03	0.85	3.91	1.86E+03	0.314
PCB-32 24'6-TrCB	17.48		1.1923	1.1926	+0.3	2.55E+05	1.12	1.46	3.44	1.86E+03	0.183
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.72E+03	0.239
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.72E+03	0.233
PCB-26/29 23'5/245-TrCB	18.96	C	0.8236	0.8224	-1.4	4.06E+05	1.08	1.29	3.64	2.72E+03	0.23
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	2.65E+05	0.94	1.29	2.38	2.72E+03	0.23
PCB-31 24'5-TrCB	19.43		0.8430	0.8427	-0.3	1.41E+06	1.07	1.33	12.3	2.72E+03	0.224
PCB-28/20 244'/233'-TrCB	19.68	C	0.8542	0.8537	-0.6	1.79E+06	1.04	1.26	16.4	2.72E+03	0.236
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	4.28E+05	0.97	1.31	3.79	2.72E+03	0.227
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	5.19E+05	1.02	1.21	4.94	2.72E+03	0.244
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9349	-0.3	3.31E+04	0.90	1.26	0.304	2.72E+03	0.236
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.72E+03	0.225
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.72E+03	0.251
PCB-35 33'4-TrCB	22.73		0.9860	0.9859	-0.1	9.38E+04	0.93	1.15	0.942	2.72E+03	0.258
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	4.17E+05	1.07	1.20	4.02	2.72E+03	0.248
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.92E+02	0.114
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	1.97E+05	0.78	0.83	2.81	1.18E+03	0.173
PCB-45 22'36-TeCB	19.74		0.9304	0.9305	+0.1	1.27E+05	0.75	0.68	2.2	1.18E+03	0.21
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	9.47E+04	0.73	0.84	1.33	1.18E+03	0.17
PCB-46 22'36'-TeCB	20.00		0.9429	0.9427	-0.2	5.39E+04	0.71	0.68	0.935	1.18E+03	0.211
PCB-52 22'55'-TeCB	21.23		1.0010	1.0010	0	2.24E+06	0.77	0.76	34.8	1.18E+03	0.189
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	1.18E+03	0.147
PCB-43 22'35-TeCB	21.44	J	1.0106	1.0105	-0.1	5.38E+04	0.72	0.70	0.9	1.18E+03	0.203
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0206	+1.0	1.21E+06	0.75	0.94	15.2	1.18E+03	0.153
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	2.65E+05	0.70	0.77	4.07	1.18E+03	0.186
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0410	-0.8	1.75E+06	0.79	0.83	24.8	1.18E+03	0.172
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0540	-0.1	2.82E+05	0.80	1.06	3.13	1.18E+03	0.135
PCB-42 22'34'-TeCB	22.51		1.0612	1.0613	+0.1	3.92E+05	0.83	0.72	6.42	1.18E+03	0.199
PCB-41 22'34-TeCB	22.82		1.0759	1.0759	0	8.34E+04	0.73	0.64	1.54	1.18E+03	0.224
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	5.95E+05	0.78	0.80	8.76	1.18E+03	0.178
PCB-64 234'6-TeCB	23.12		1.0899	1.0900	+0.1	8.42E+05	0.79	1.10	9.04	1.18E+03	0.13
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	9.76E+04	0.83	1.12	1.03	1.79E+03	0.194
PCB-68 23'45'-TeCB	24.10	J	0.8379	0.8377	-0.3	6.17E+04	0.72	1.22	0.596	1.79E+03	0.178
PCB-57 233'5-TeCB	24.45	J EMPC	0.8501	0.8499	-0.3	2.89E+04	1.17	1.09	0.311	1.79E+03	0.199
PCB-58 233'5'-TeCB	24.66	J	0.8568	0.8570	+0.3	2.54E+04	0.90	1.11	0.27	1.79E+03	0.196
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	3.43E+05	0.83	1.17	3.44	1.79E+03	0.185
PCB-63 234'5-TeCB	25.02		0.8697	0.8695	-0.3	1.09E+05	0.81	1.22	1.05	1.79E+03	0.178
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	3.92E+06	0.77	1.13	40.8	1.79E+03	0.192
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	2.10E+06	0.76	1.06	23.3	1.79E+03	0.205
PCB-55 233'4-TeCB	25.69	J	0.8932	0.8931	-0.2	7.20E+04	0.78	1.09	0.775	1.79E+03	0.199

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	8.70E+05	0.79	1.06	9.65	1.79E+03	0.205
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	4.55E+05	0.84	1.09	4.91	1.79E+03	0.199
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.79E+03	0.177
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9716	-0.3	5.48E+04	0.91	1.21	0.535	1.79E+03	0.18
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.79E+03	0.214
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.25E+03	0.2
PCB-96 22'366'-PeCB	22.32	J	1.0141	1.0142	+0.1	1.64E+04	0.62	0.89	0.297	1.25E+03	0.206
PCB-103 22'45'6'-PeCB	24.01		0.8883	0.8884	+0.1	4.82E+04	0.62	0.83	0.928	2.79E+03	0.558
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	2.79E+03	0.639
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.15E+06	0.60	0.75	45.4	2.79E+03	0.612
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J EMPC C	0.9158	0.9158	0	4.58E+04	0.48	0.77	0.948	2.79E+03	0.599
PCB-102 22'456'-PeCB	24.86		0.9198	0.9201	+0.4	9.22E+04	0.64	0.88	1.67	2.79E+03	0.523
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	2.79E+03	0.679
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	2.79E+03	0.681
PCB-91 22'34'6'-PeCB	25.27		0.9352	0.9353	+0.2	3.94E+05	0.66	0.85	7.39	2.79E+03	0.544
PCB-84 22'33'6'-PeCB	25.44		0.9416	0.9416	0	4.61E+05	0.58	0.66	11.2	2.79E+03	0.702
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	2.79E+03	0.673
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	2.79E+03	0.458
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	1.01E+06	0.60	0.71	22.6	2.79E+03	0.648
PCB-113/90/101 ...-PeCB	27.04	C	0.9999	1.0008	+1.5	3.57E+06	0.60	0.86	66.1	2.79E+03	0.536
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	2.15E+05	0.63	0.62	5.51	2.79E+03	0.744
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.96E+06	0.62	0.77	40.8	2.79E+03	0.602
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	2.79E+03	0.445
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0354	+1.2	1.91E+06	0.60	0.89	34.3	2.79E+03	0.519
PCB-117 234'56'-PeCB	28.49		1.0539	1.0542	+0.5	1.38E+05	0.63	0.70	3.13	2.79E+03	0.656
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0566	0	5.85E+05	0.63	0.98	9.45	2.79E+03	0.468
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	3.89E+06	0.60	0.97	63.8	2.79E+03	0.475
PCB-115 2344'6'-PeCB	28.77		1.0644	1.0648	+0.7	9.47E+04	0.67	1.00	1.5	2.79E+03	0.459
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	2.56E+05	0.64	0.63	6.48	2.79E+03	0.733
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	2.79E+03	0.458
PCB-120 23'455'-PeCB	29.72	J	1.0994	1.0996	+0.4	4.18E+04	0.56	1.02	0.652	2.79E+03	0.451
PCB-107/124 ...-PeCB	30.65	C	0.9909	0.9910	+0.2	1.36E+05	0.65	0.95	2.27	2.79E+03	0.484
PCB-109 233'46'-PeCB	30.86		0.9976	0.9977	+0.2	3.21E+05	0.59	1.05	4.87	2.79E+03	0.439
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	2.79E+03	0.473
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	2.79E+03	0.448
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	2.79E+03	0.438
PCB-155 22'44'66'-HxCB	26.87	J EMPC	1.0008	1.0009	+0.2	1.64E+04	1.54	1.06	0.231	7.95E+02	0.107
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.95E+02	0.115
PCB-150 22'34'66'-HxCB	27.15	J EMPC	1.0112	1.0115	+0.5	1.51E+04	1.46	1.00	0.225	7.95E+02	0.113
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	5.17E+05	1.24	0.92	8.36	7.95E+02	0.123
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.95E+02	0.121
PCB-148 22'34'56'-HxCB	28.99	J	1.0801	1.0800	-0.2	2.98E+04	1.26	0.72	0.614	7.95E+02	0.156
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.78E+06	1.33	0.71	37.2	7.95E+02	0.158
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1069	+0.4	1.07E+05	1.42	0.79	2	7.95E+02	0.142
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1160	+0.4	1.51E+05	1.35	0.72	3.14	7.95E+02	0.157

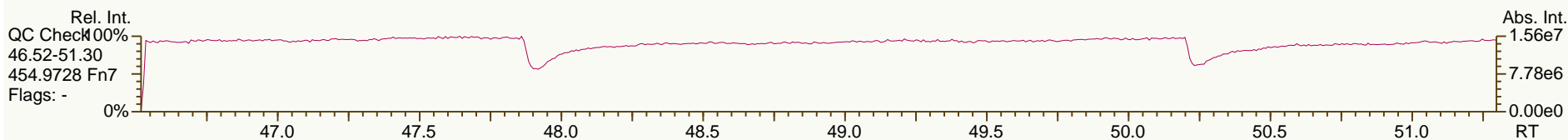
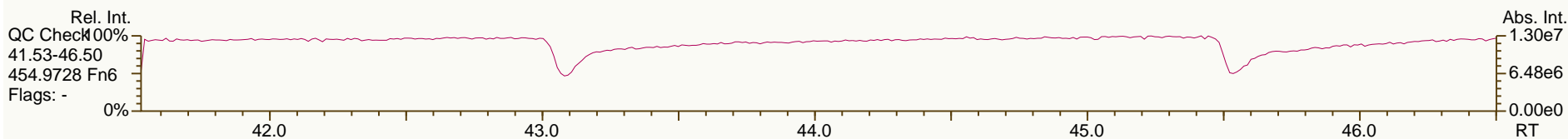
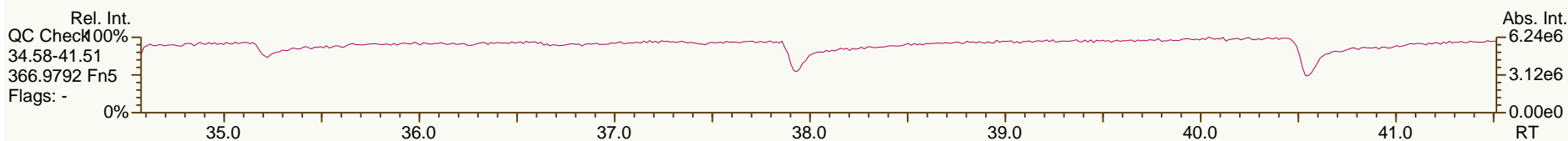
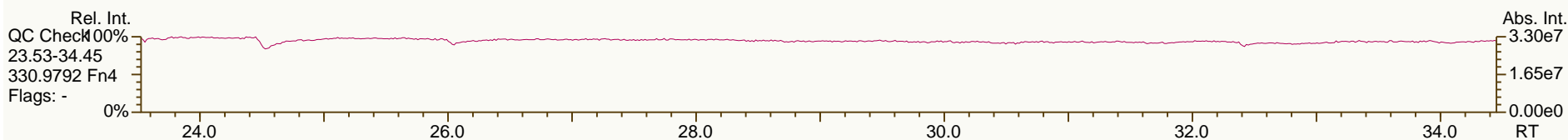
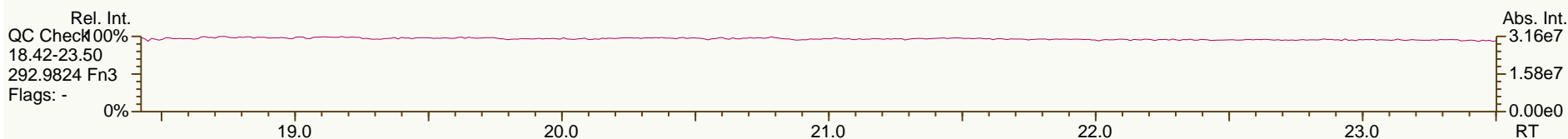
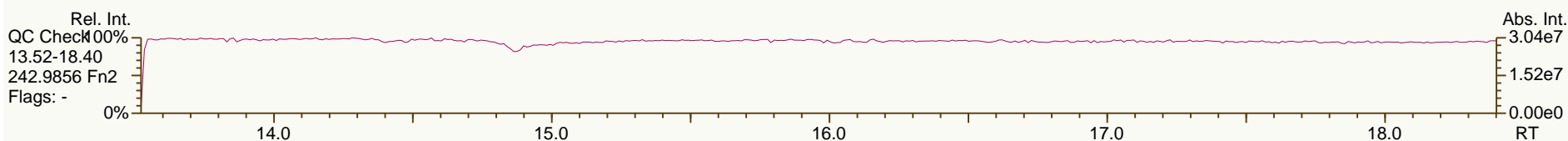
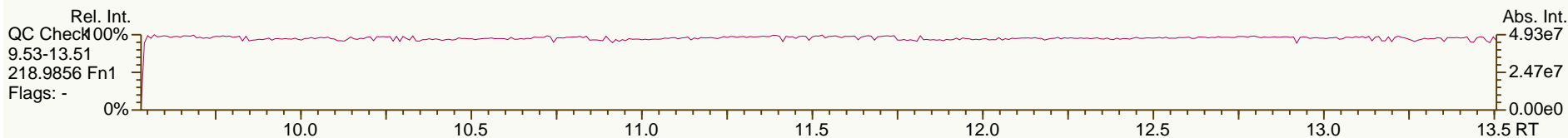
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	3.15E+06	1.29	0.73	63.8	7.95E+02	0.154
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1328	+0.4	2.00E+05	1.39	0.60	4.95	7.95E+02	0.187
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.95E+02	0.162
PCB-139/140 ...-HxCB	30.76	C	1.1458	1.1457	-0.2	9.19E+04	1.15	0.75	1.82	7.95E+02	0.15
PCB-131 22'33'46"-HxCB	30.92		1.1516	1.1518	+0.4	3.92E+04	1.29	0.62	0.935	7.95E+02	0.181
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.95E+02	0.167
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	7.80E+05	1.22	0.67	17.3	7.95E+02	0.168
PCB-133 22'33'55"-HxCB	31.75		1.1826	1.1829	+0.6	2.16E+05	1.25	0.66	4.83	7.95E+02	0.17
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.95E+02	0.136
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	1.31E+06	1.26	0.72	26.7	7.95E+02	0.155
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.95E+02	0.119
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	4.85E+06	1.26	0.89	81	7.95E+02	0.127
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	2.87E+05	1.39	0.67	6.37	7.95E+02	0.169
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	3.84E+05	1.27	0.61	9.28	7.95E+02	0.183
PCB-137 22'344'5"-HxCB	33.50		0.9904	0.9905	+0.2	2.44E+05	1.36	0.72	5.03	7.95E+02	0.156
PCB-164 233'4'5'6"-HxCB	33.59		0.9930	0.9930	0	3.61E+05	1.21	0.93	5.74	7.95E+02	0.121
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	4.26E+06	1.27	0.76	83.4	7.95E+02	0.148
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.95E+02	0.123
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0107	+0.2	4.98E+05	1.38	0.96	7.7	7.95E+02	0.117
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	6.24E+05	1.26	0.90	10.3	8.76E+02	0.143
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	8.76E+02	0.121
PCB-162 233'4'55"-HxCB	35.99	J EMPC	0.9896	0.9896	0	2.43E+04	1.67	1.09	0.331	8.76E+02	0.117
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.36E+02	0.158
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0089	0	5.72E+05	1.13	1.09	9.5	9.36E+02	0.154
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.36E+02	0.161
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	1.18E+05	0.91	1.17	1.83	9.36E+02	0.144
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.36E+02	0.15
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0818	+0.4	5.36E+05	1.17	0.82	11.9	9.36E+02	0.206
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	5.98E+04	1.00	0.86	1.26	1.07E+03	0.224
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1059	+0.4	2.05E+06	1.05	0.91	40.8	1.07E+03	0.212
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.07E+03	0.208
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1222	+0.6	6.16E+05	1.01	1.00	11.2	1.07E+03	0.193
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.07E+03	0.23
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	3.27E+05	1.04	0.77	7.72	1.07E+03	0.251
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	7.09E+05	0.97	0.77	16.7	1.07E+03	0.251
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.07E+03	0.215
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	2.31E+05	0.97	0.80	5.21	1.07E+03	0.241
PCB-172 22'33'455"-HpCB	37.98	J EMPC	0.9003	0.9003	0	4.56E+04	1.24	0.72	0.8	1.07E+03	0.199
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.07E+03	0.157
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	1.55E+06	1.01	0.84	23.1	1.07E+03	0.169
PCB-191 233'44'5'6"-HpCB	38.82	J	0.9203	0.9202	-0.2	4.47E+04	0.95	0.94	0.599	1.07E+03	0.152
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	2.68E+05	1.07	0.70	4.82	1.07E+03	0.204
PCB-190 233'44'56"-HpCB	40.02	EMPC	0.9486	0.9486	0	1.08E+05	1.28	0.91	1.49	1.07E+03	0.156
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	3.33E+05	0.92	0.83	6.5	7.17E+02	0.15
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	1.15E+05	0.81	0.95	1.97	7.17E+02	0.131

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.17E+02	0.138
PCB-197 22'33'44'66'-OcCB	37.74	J	1.0431	1.0434	+0.7	3.54E+04	0.89	0.88	0.647	7.17E+02	0.141
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	7.17E+02	0.148
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	3.85E+05	0.93	0.67	9.23	7.17E+02	0.184
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1261	+0.2	1.13E+05	0.81	0.68	2.66	7.17E+02	0.182
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1307	+0.2	1.10E+05	0.99	0.72	2.47	7.17E+02	0.173
PCB-195 22'33'44'56-OcCB	42.00	J	0.9469	0.9468	-0.3	2.78E+04	0.90	0.66	0.797	6.63E+02	0.207
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	7.09E+04	0.79	0.72	1.84	6.63E+02	0.188
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	6.63E+02	0.125
PCB-208 22'33'455'66'-NoCB	41.81	J	1.0005	1.0005	0	1.51E+04	0.77	0.98	0.269	7.47E+02	0.174
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	7.47E+02	0.171
PCB-206 22'33'44'55'6-NoCB	45.85	J	1.0004	1.0004	0	2.91E+04	0.80	0.93	0.745	7.47E+02	0.24

AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

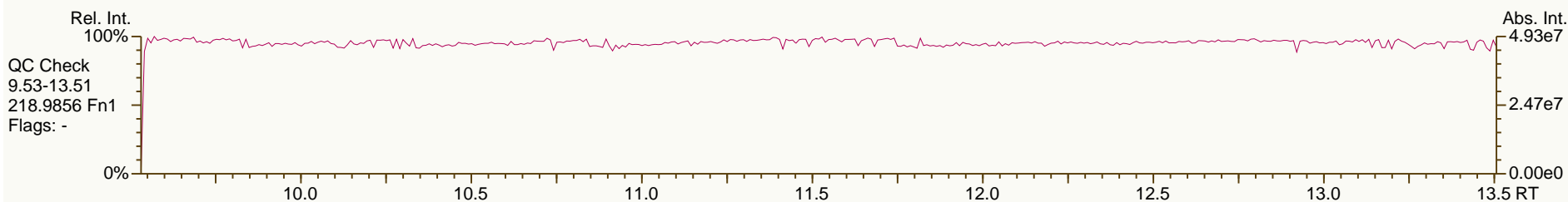
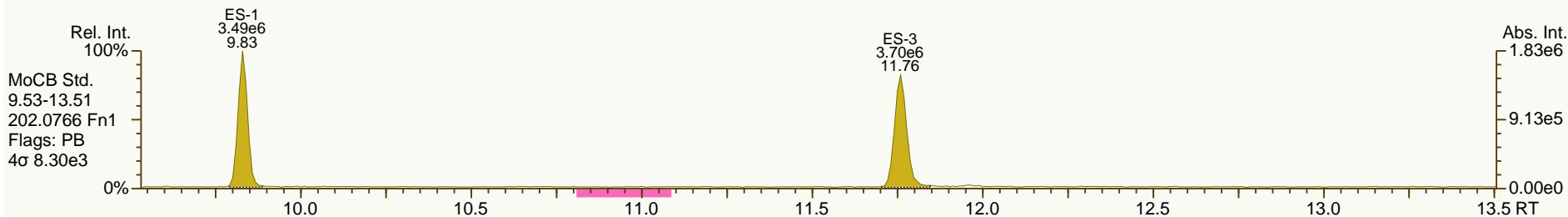
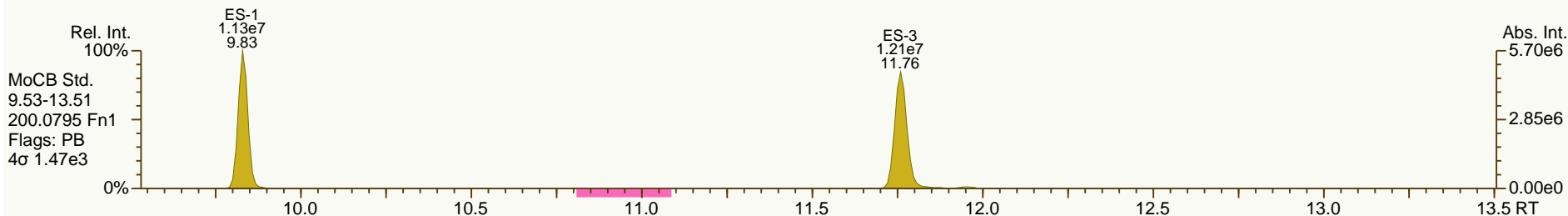
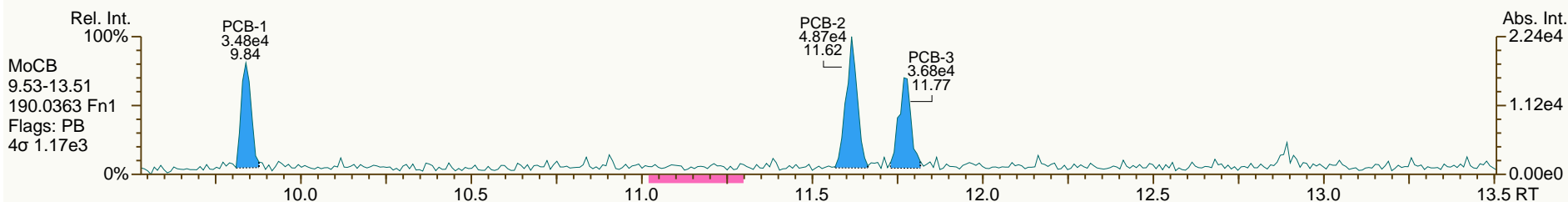
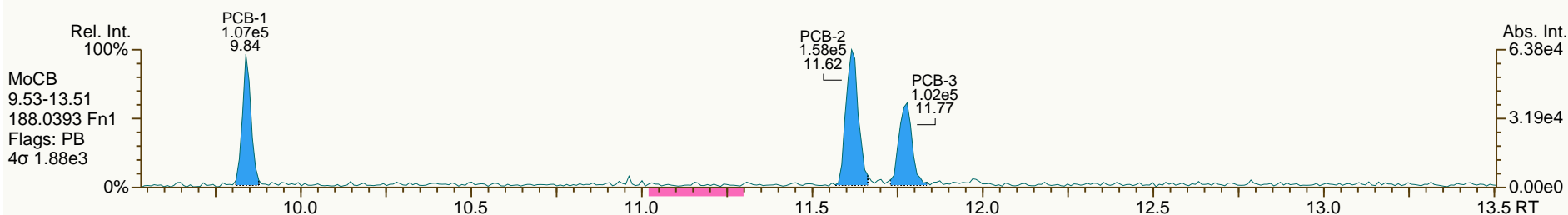
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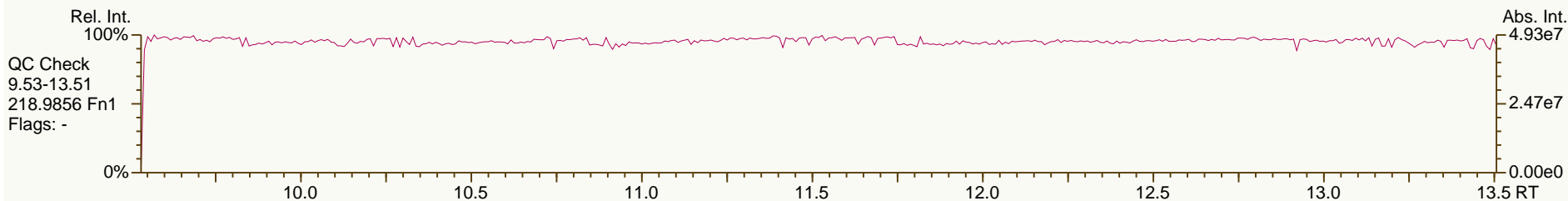
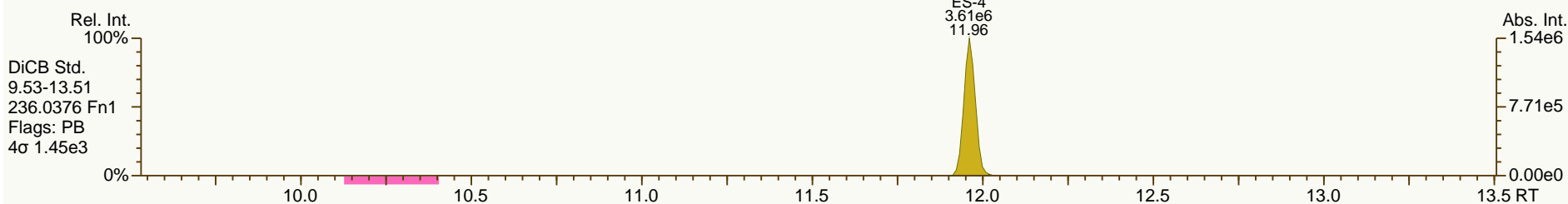
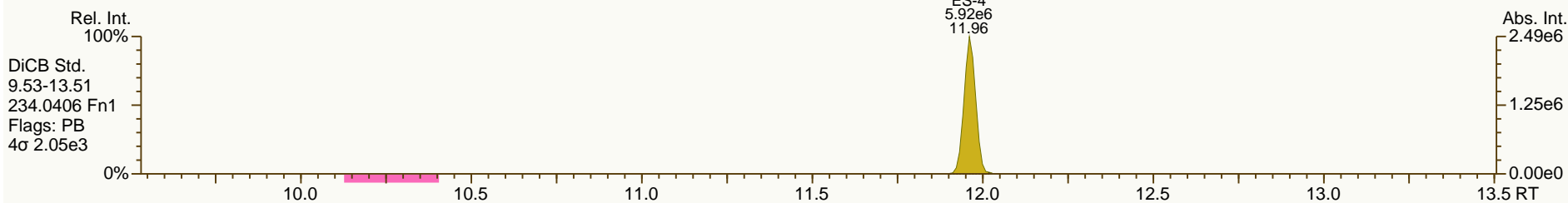
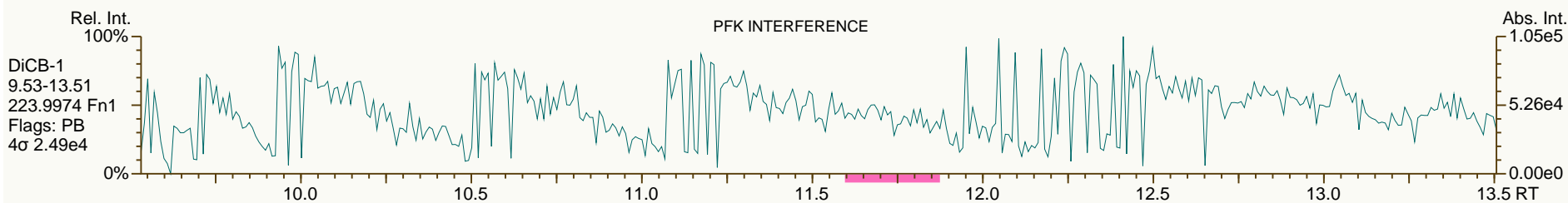
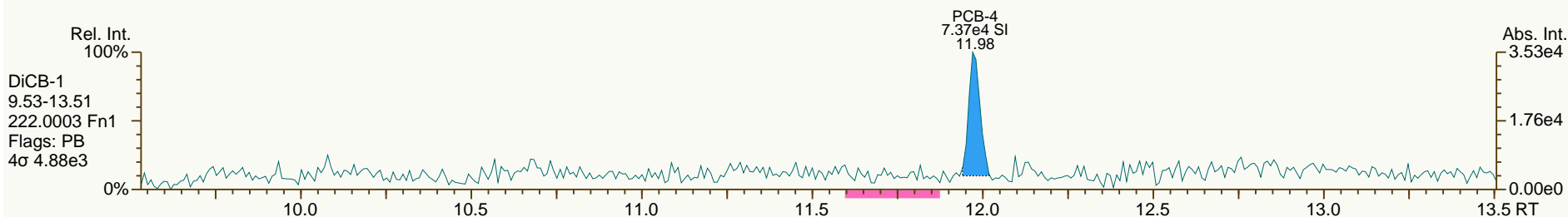
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Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

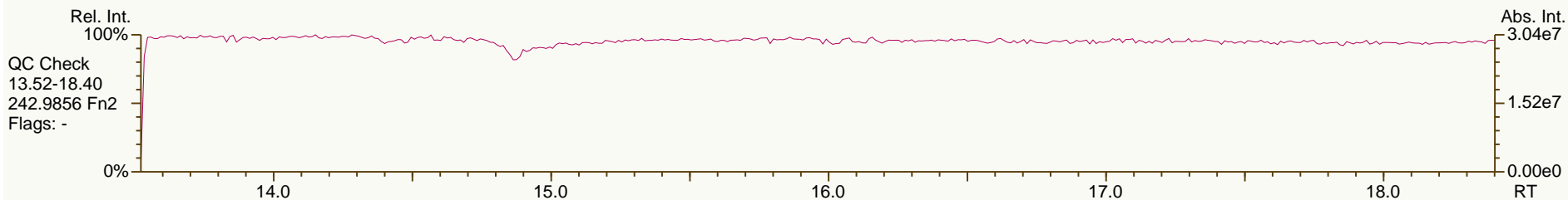
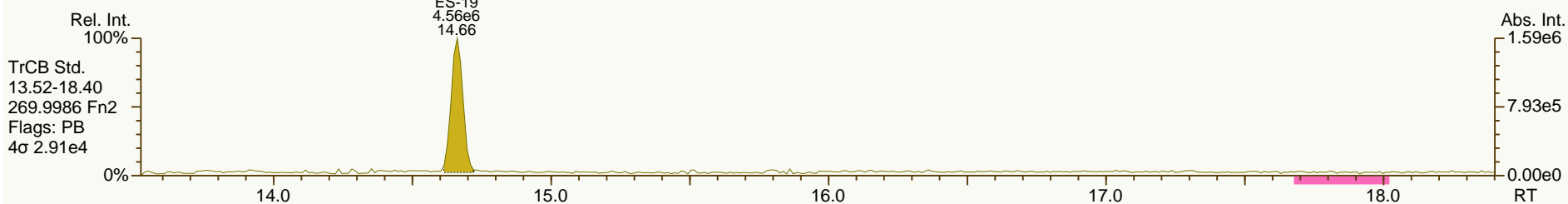
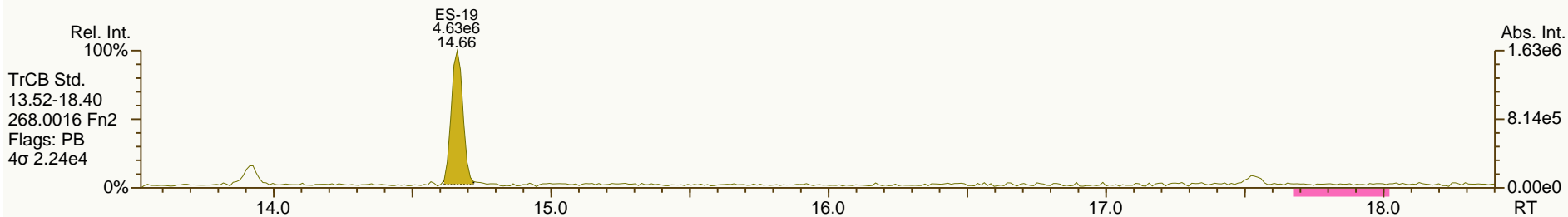
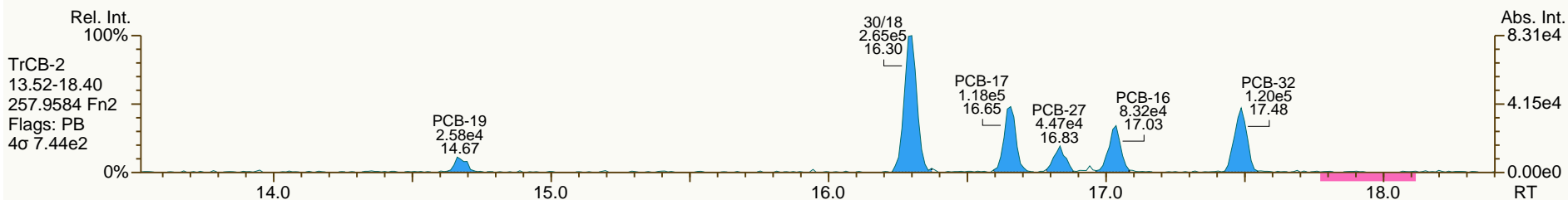
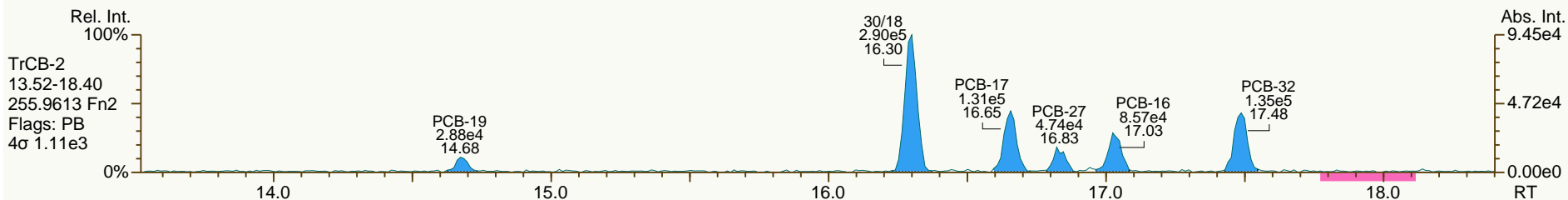
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AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
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VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

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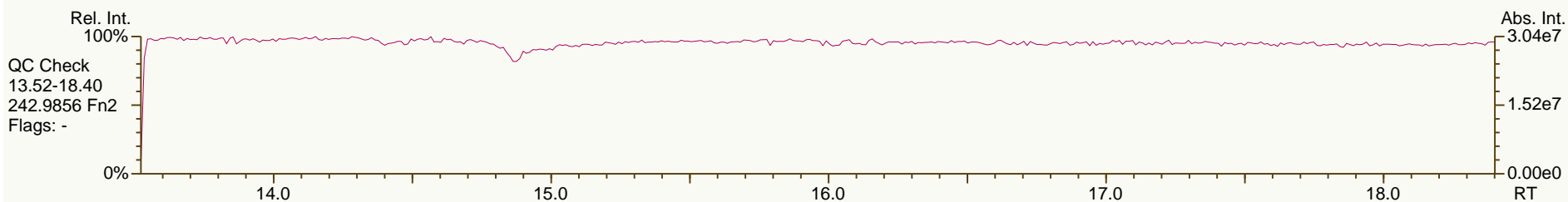
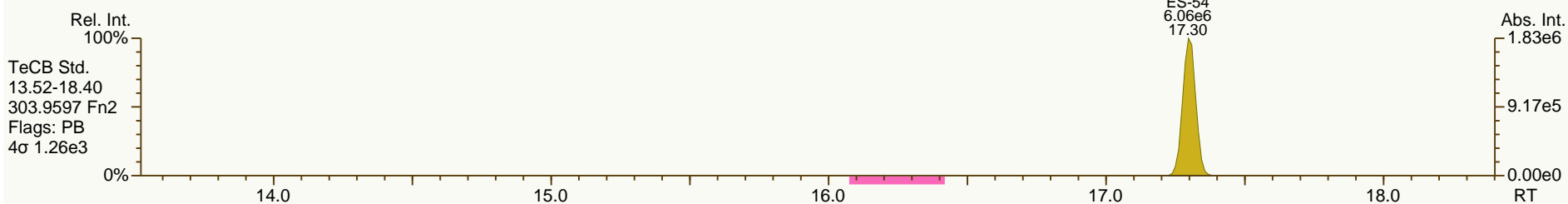
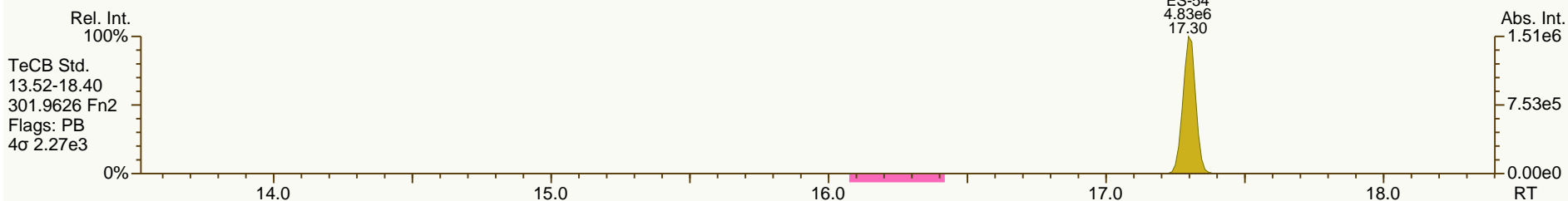
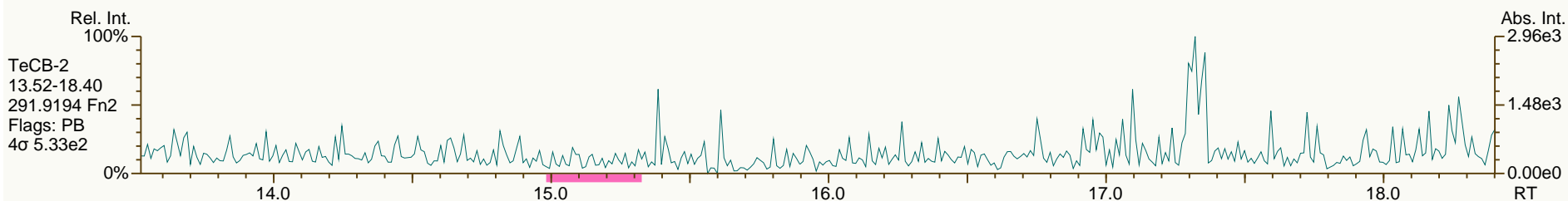
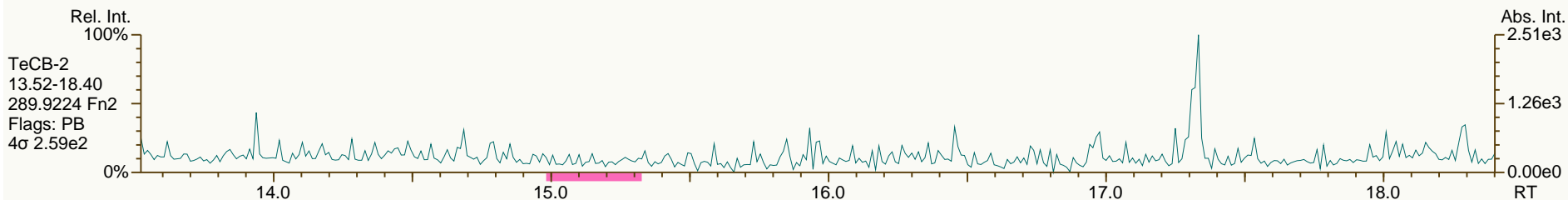
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Peak annotation: Areas, Centroids
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AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

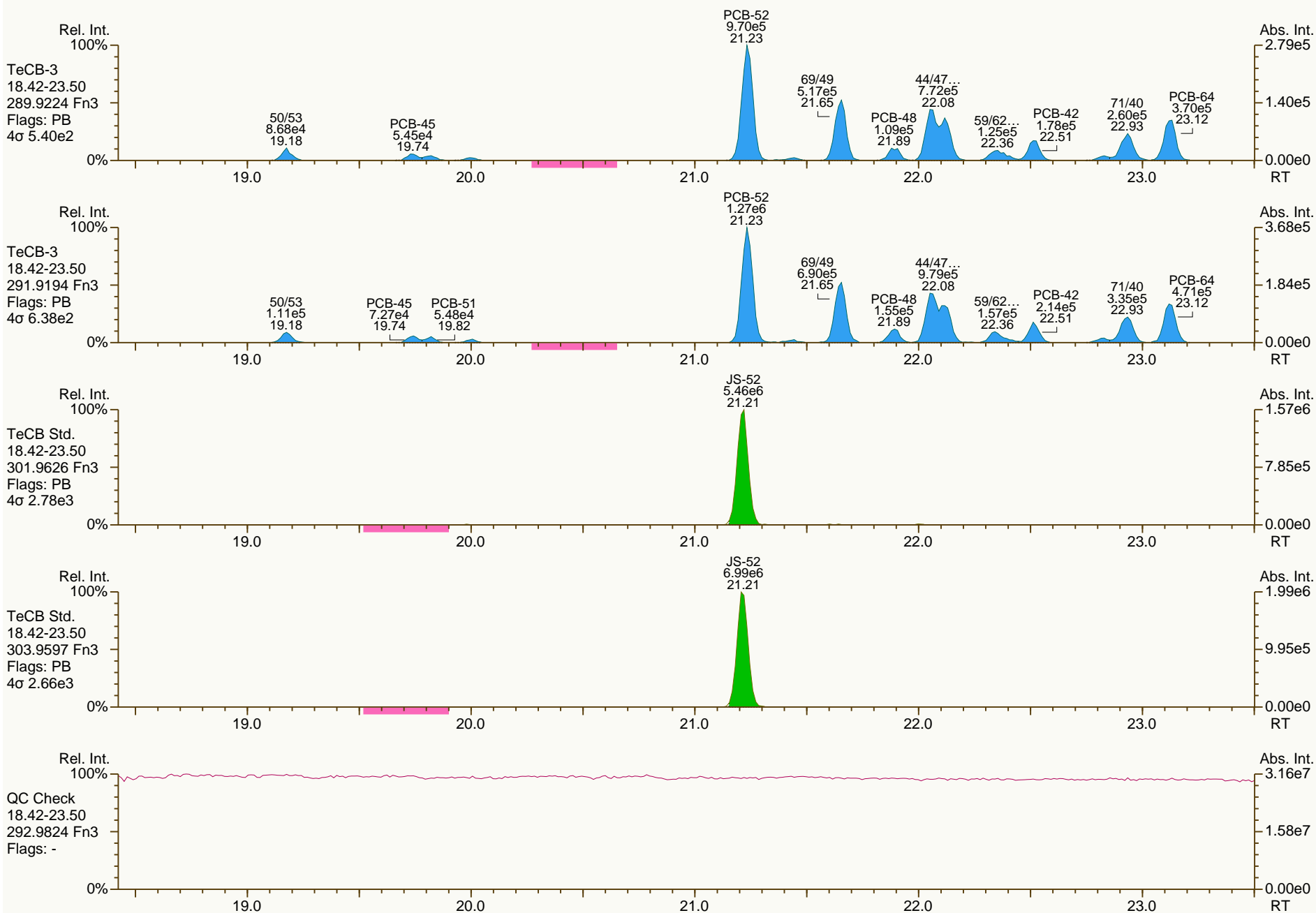
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AP Lab ID: A4369_9892_PCB_001
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Sample ID: JW-UR-TISSUE-120508
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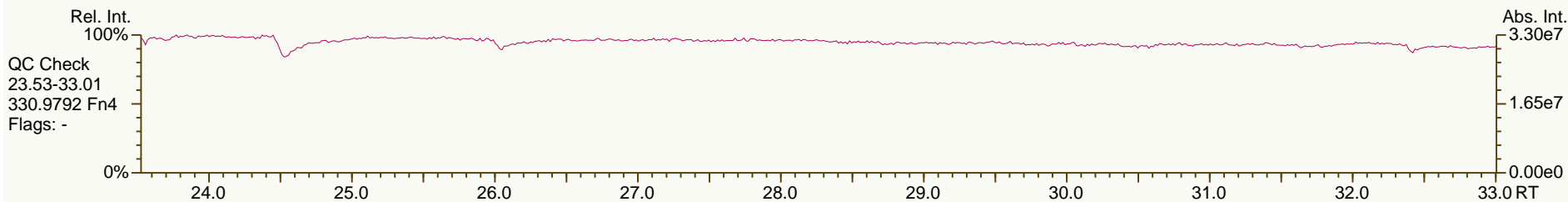
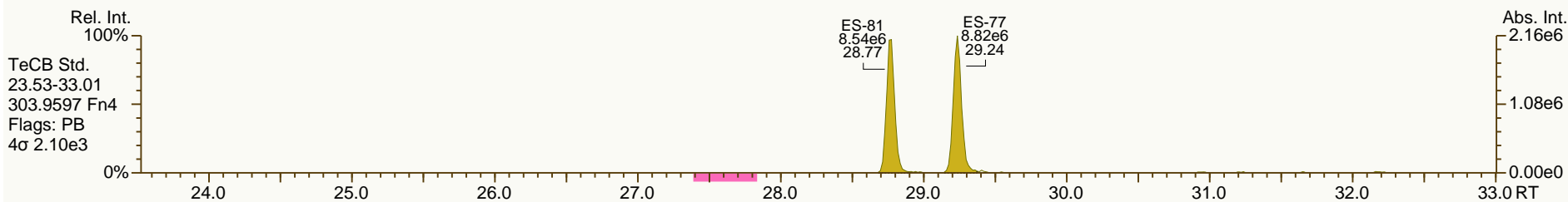
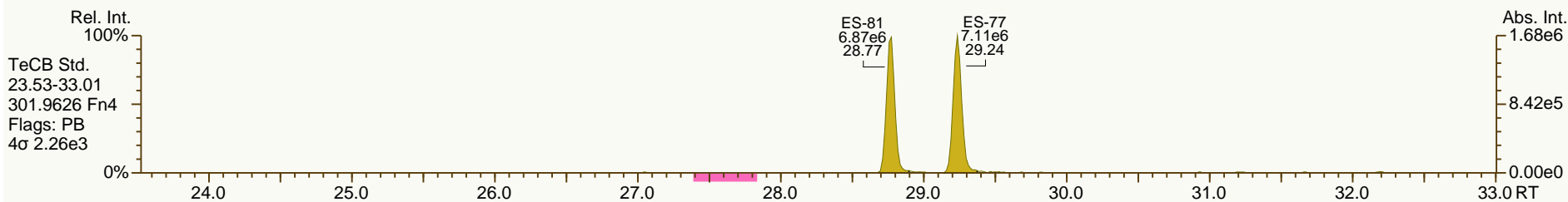
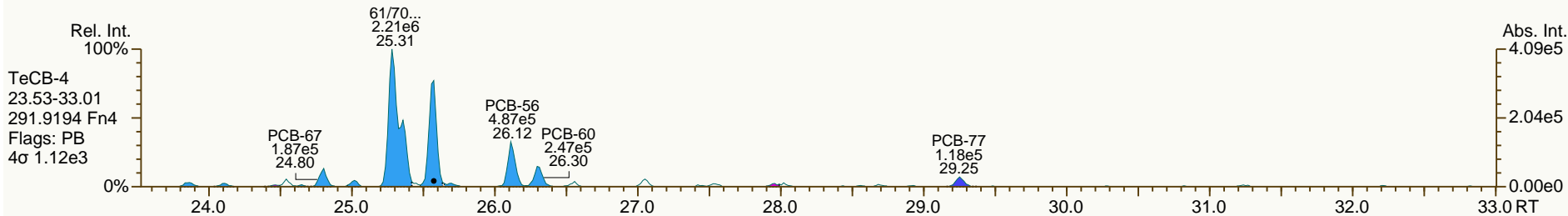
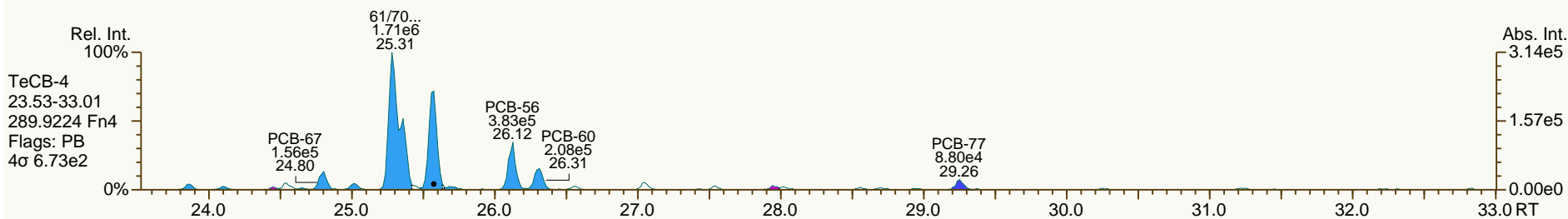
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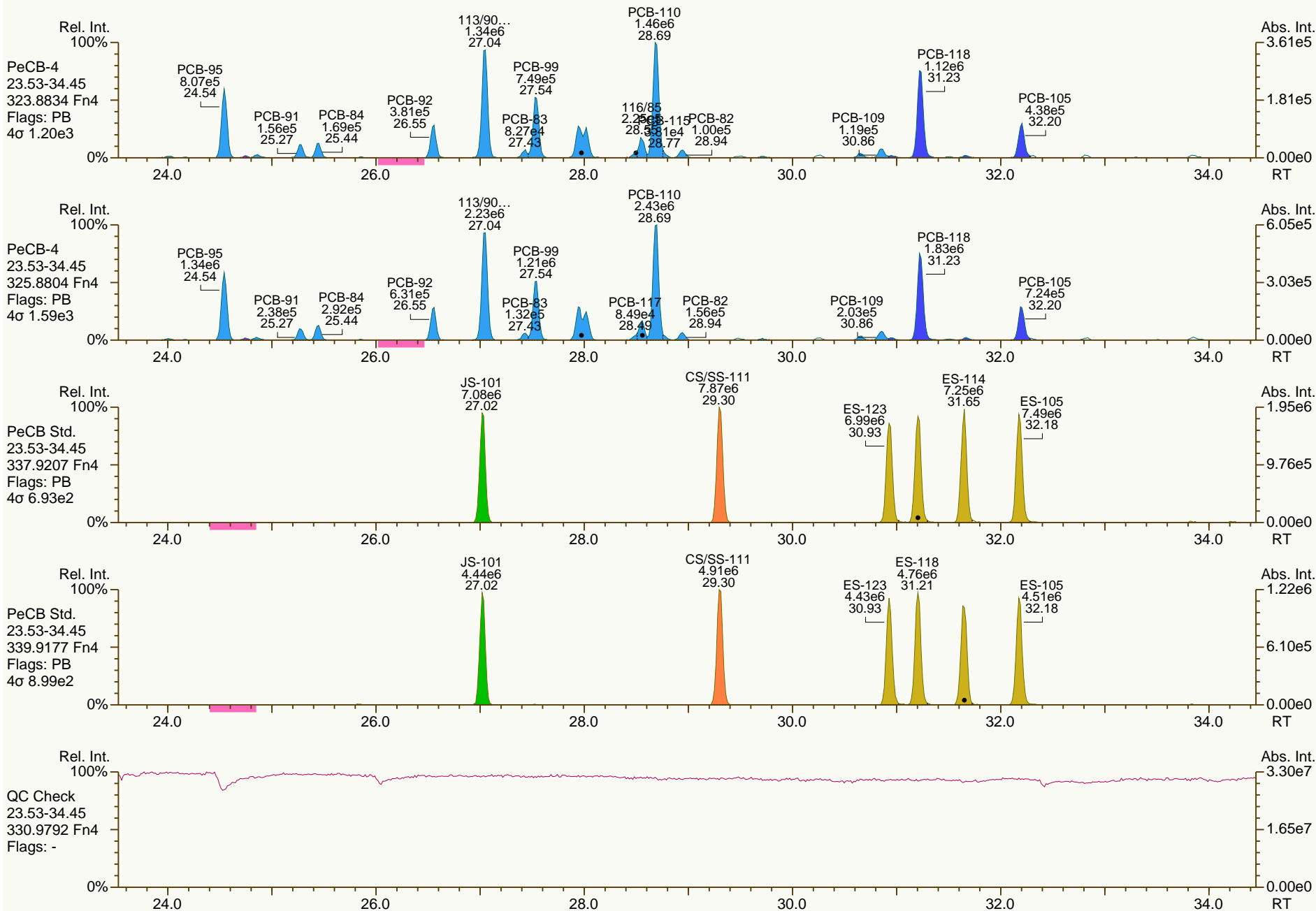
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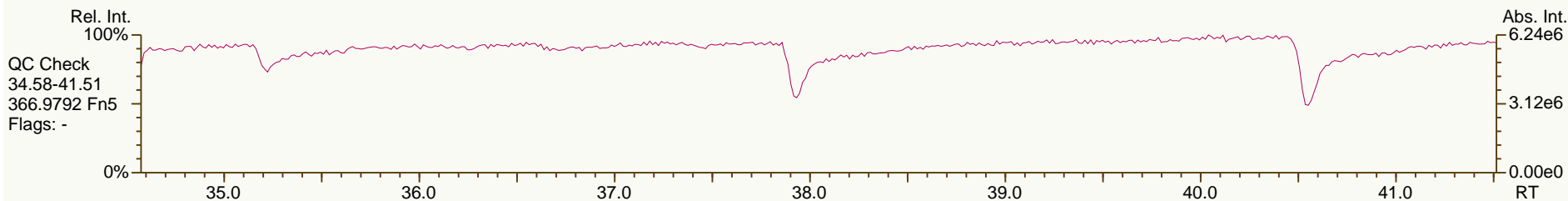
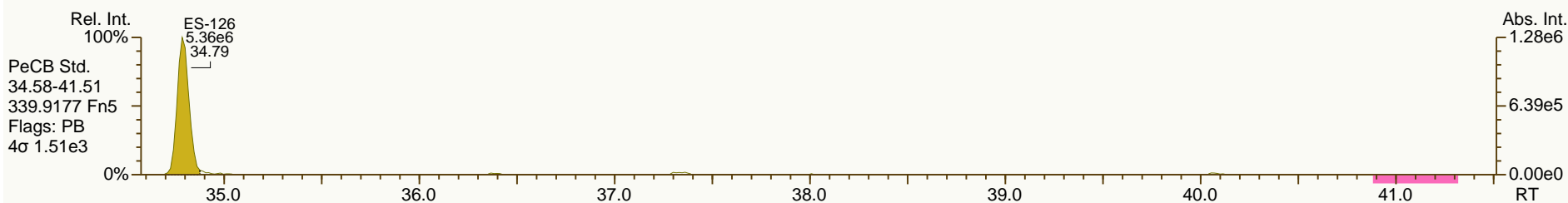
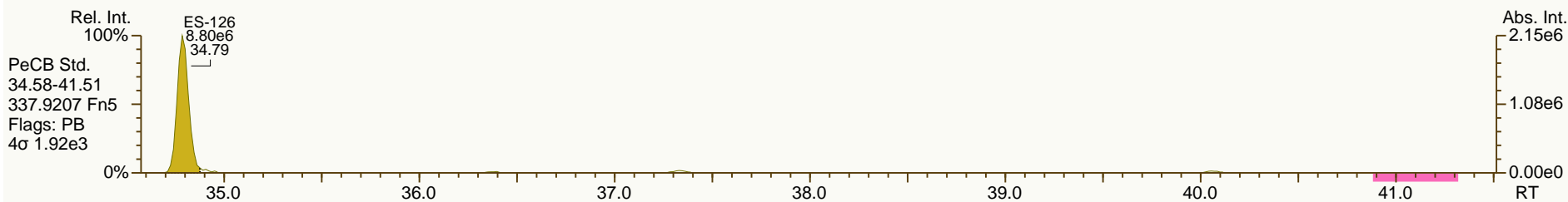
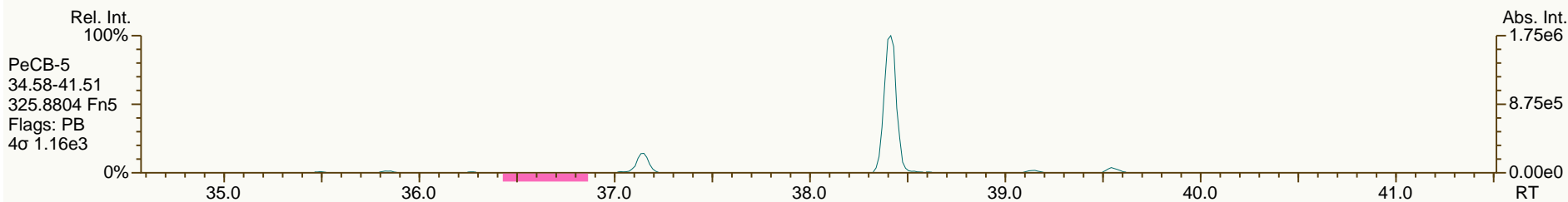
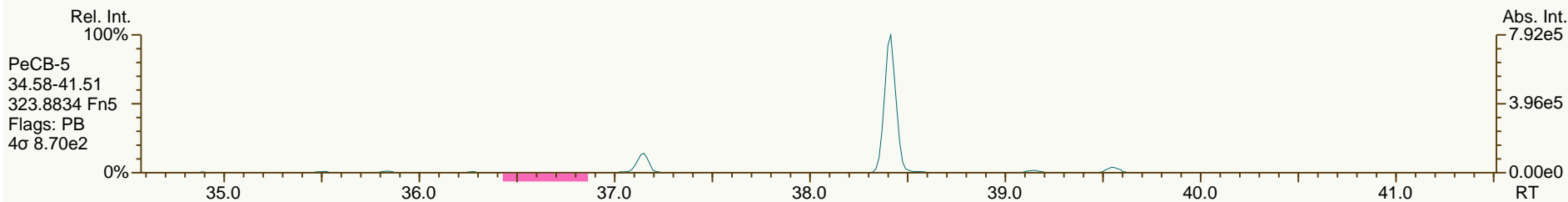
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Sample ID: JW-UR-TISSUE-120508
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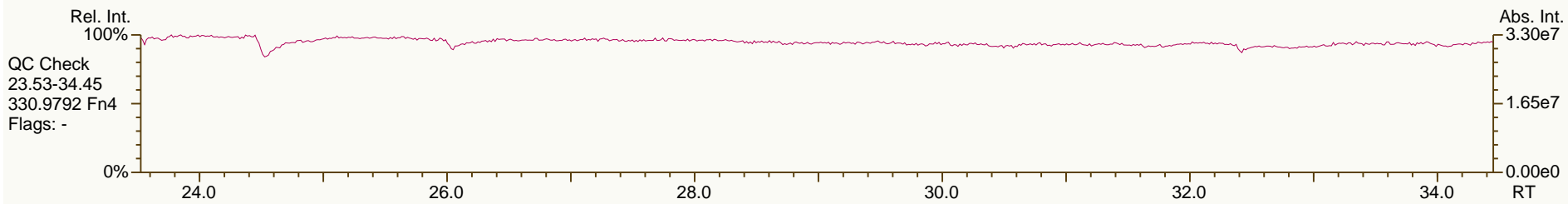
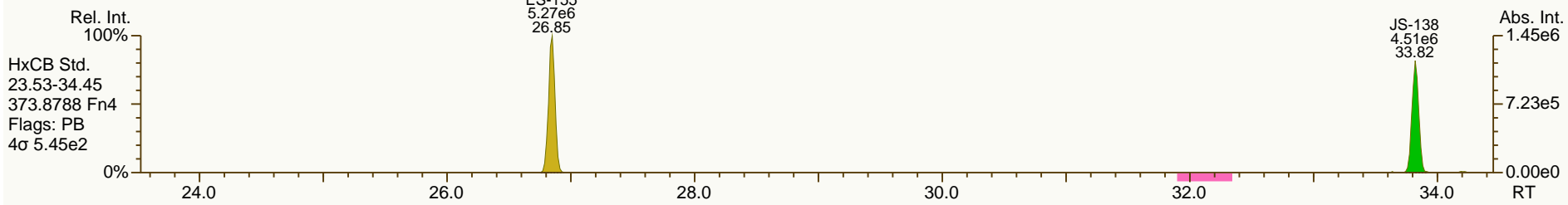
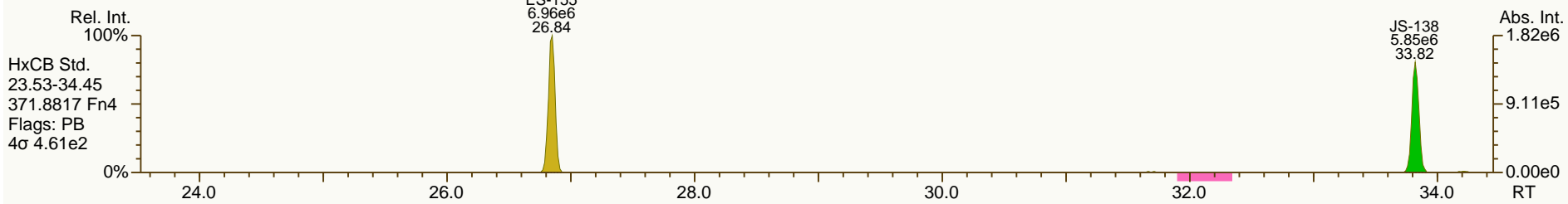
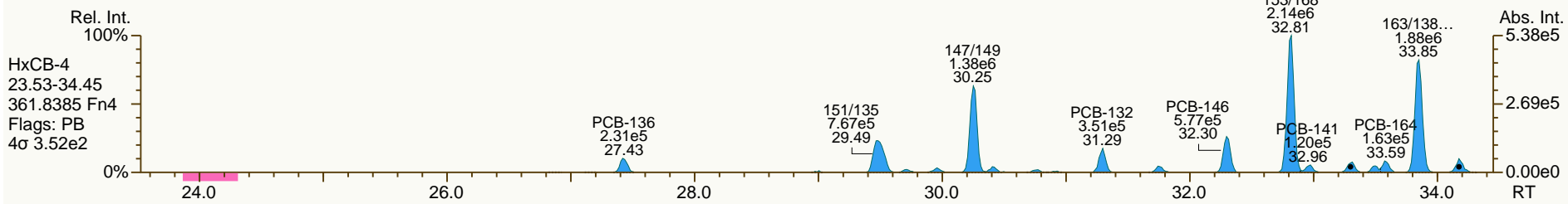
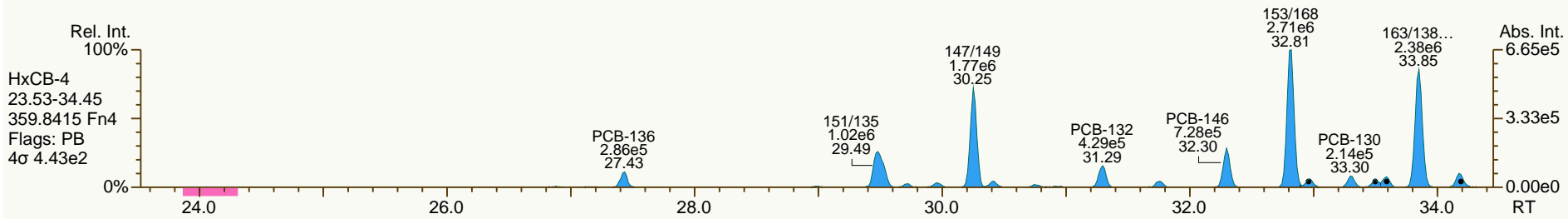
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Sample ID: JW-UR-TISSUE-120508
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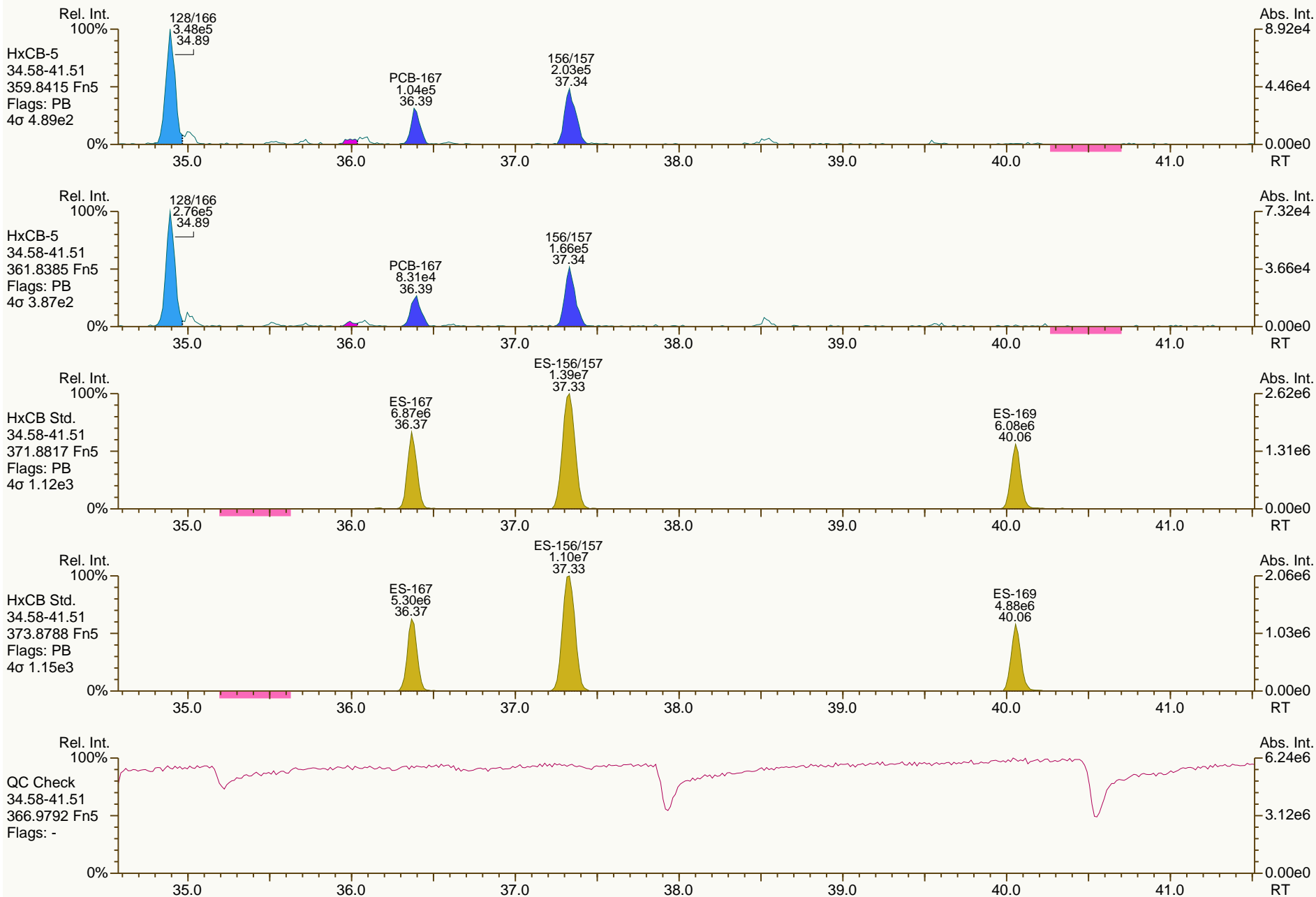
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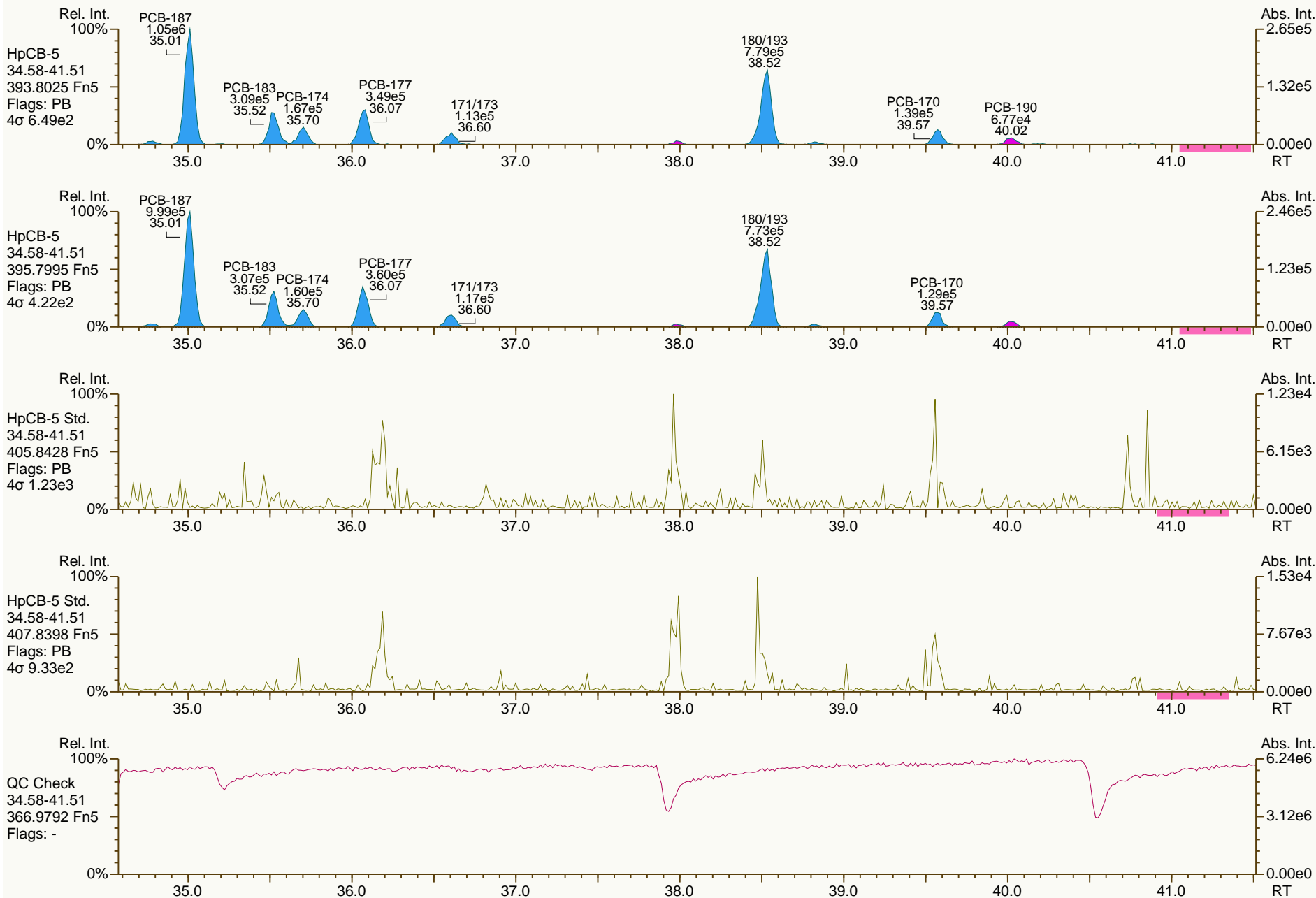
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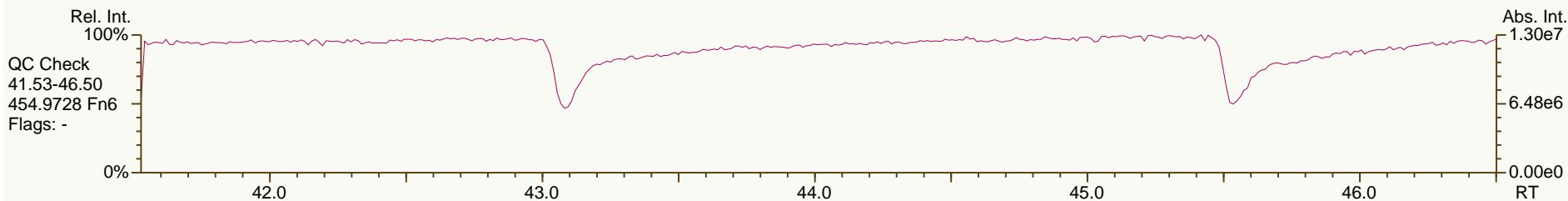
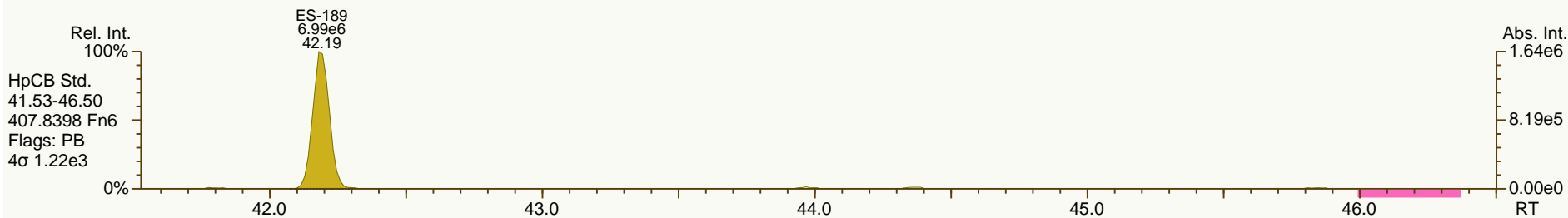
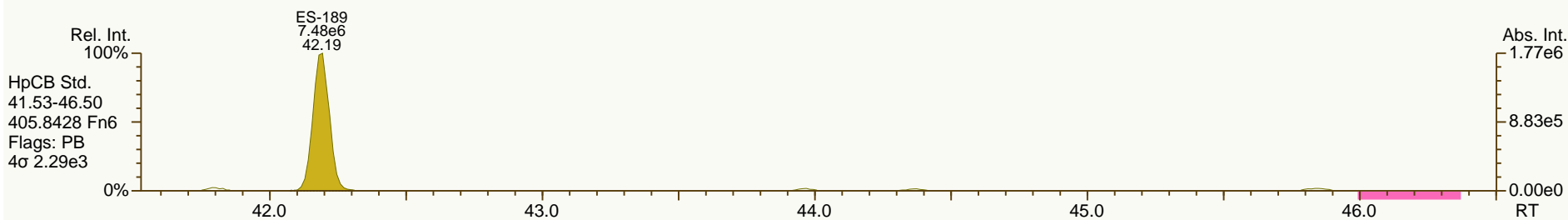
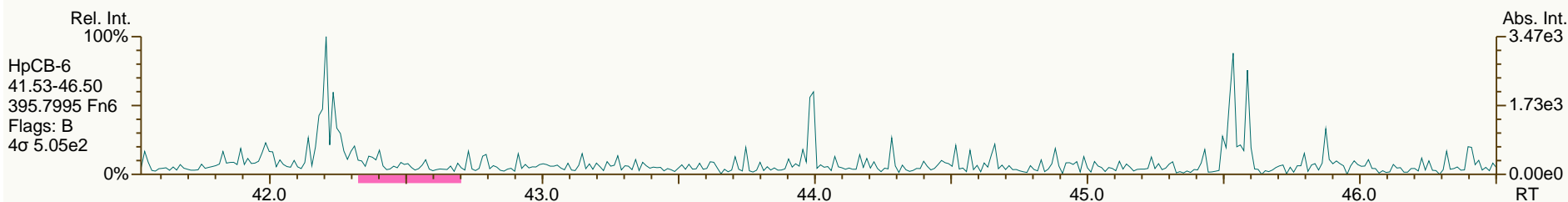
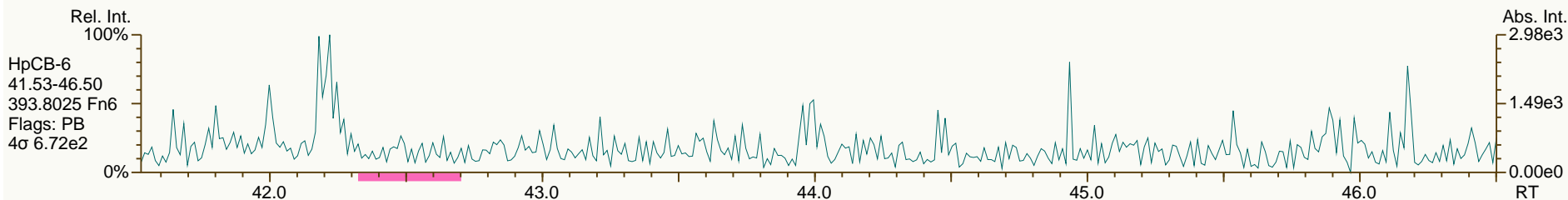
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AP Lab ID: A4369_9892_PCB_001
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Sample ID: JW-UR-TISSUE-120508
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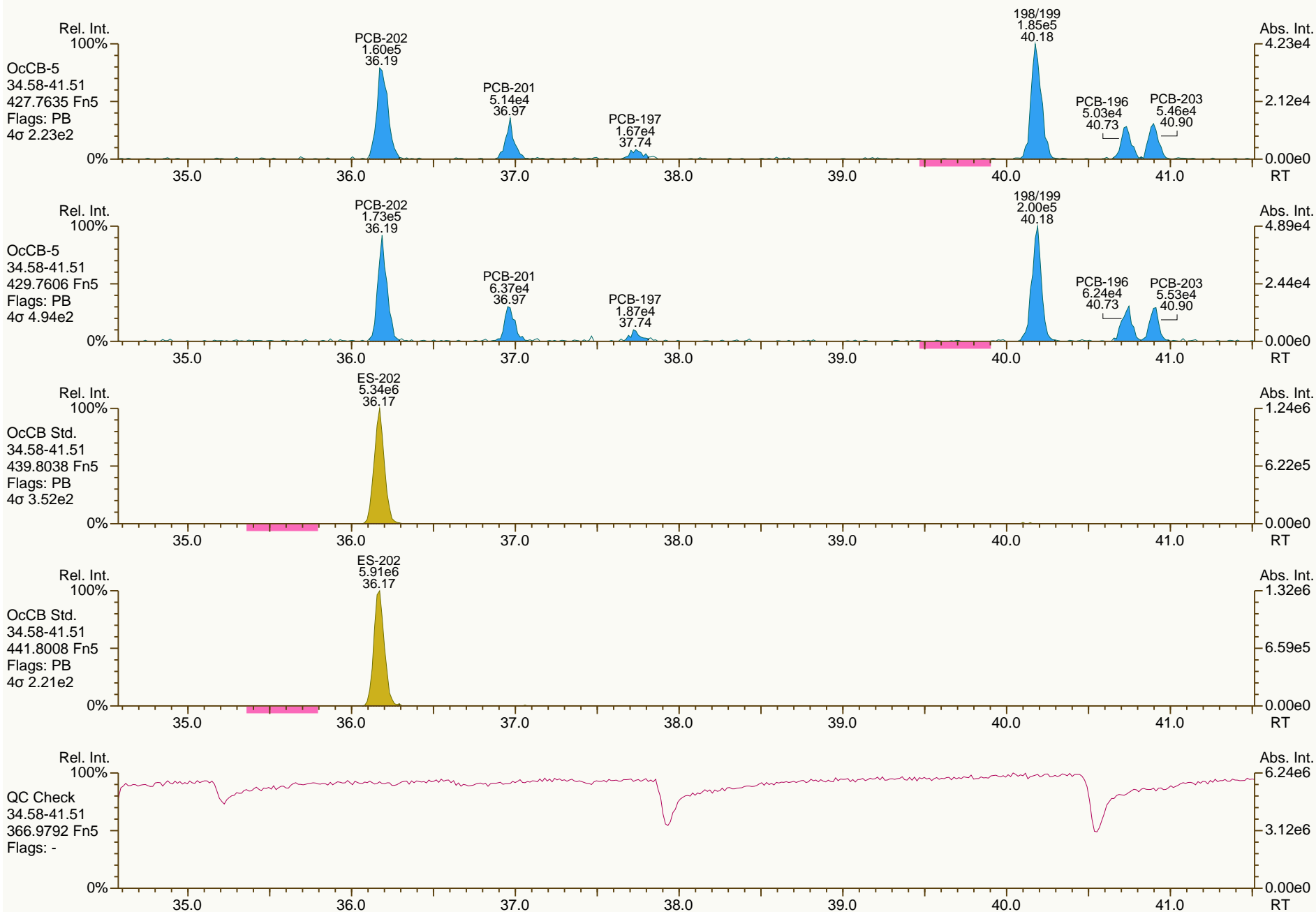
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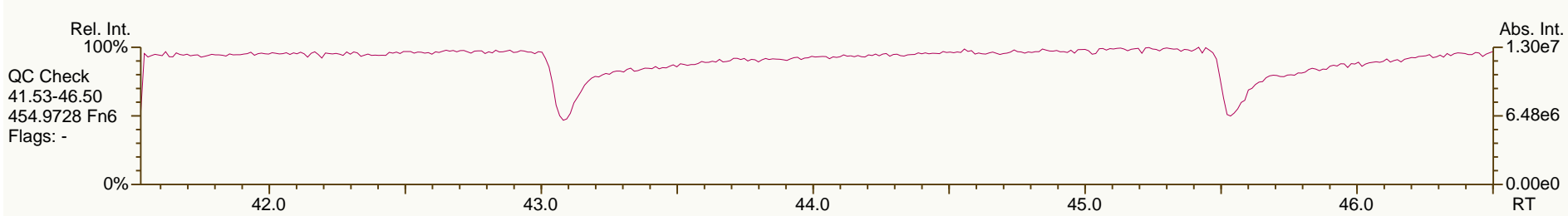
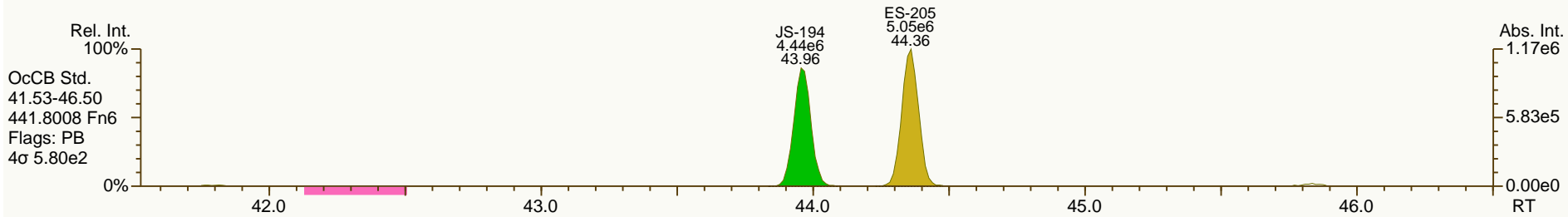
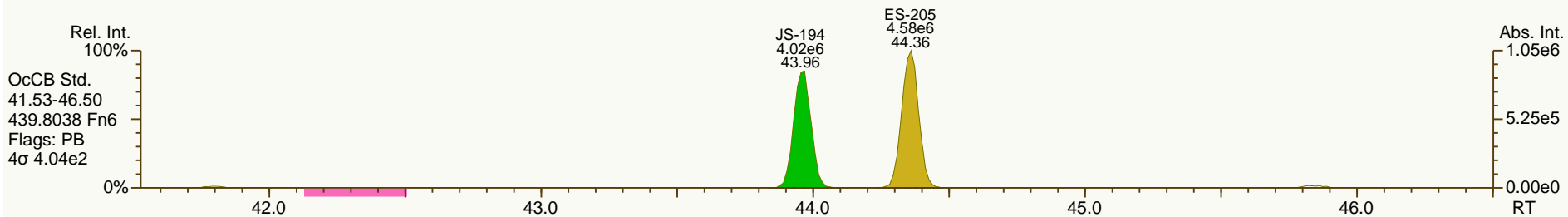
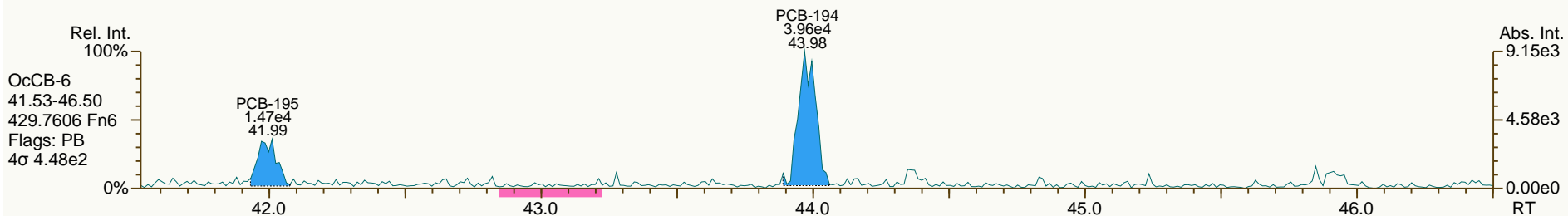
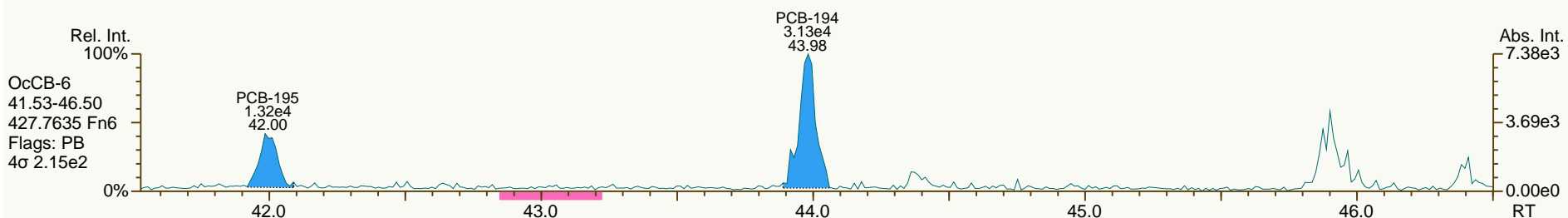
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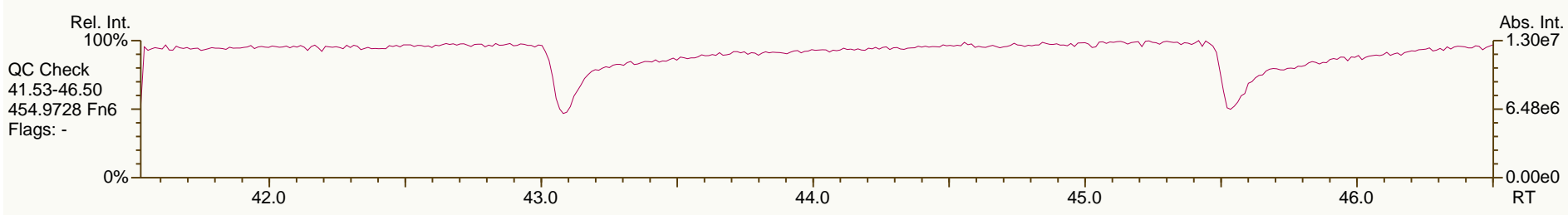
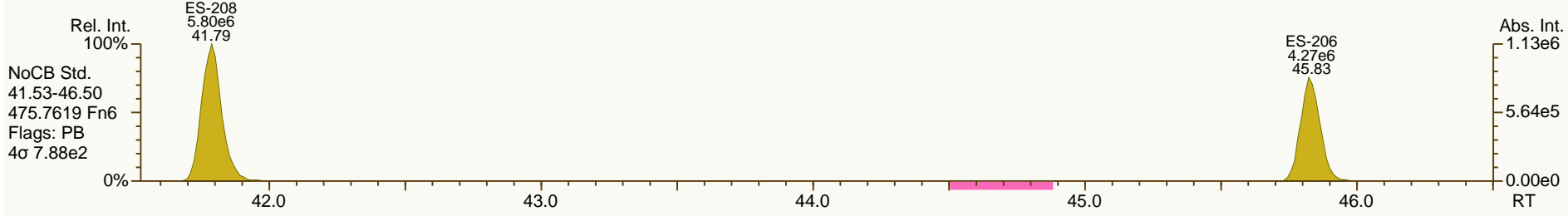
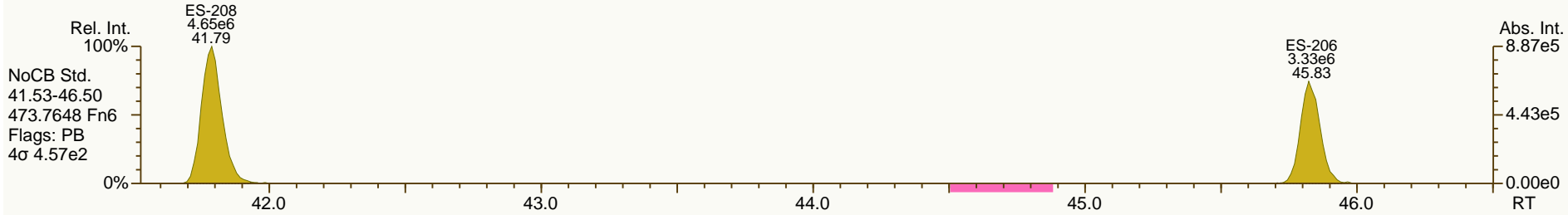
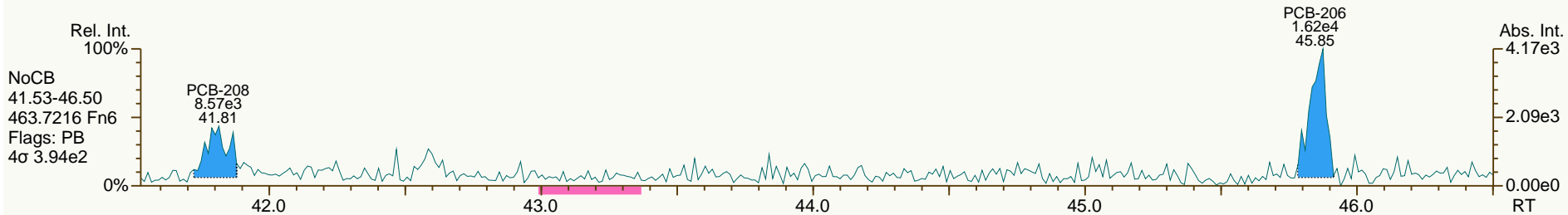
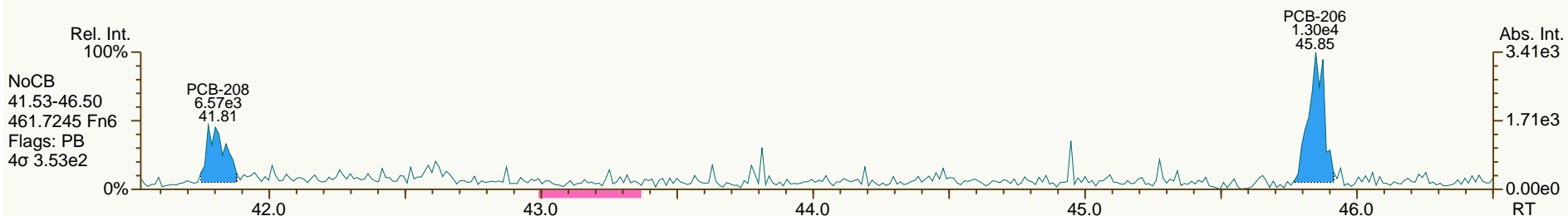
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Sample ID: JW-UR-TISSUE-120508
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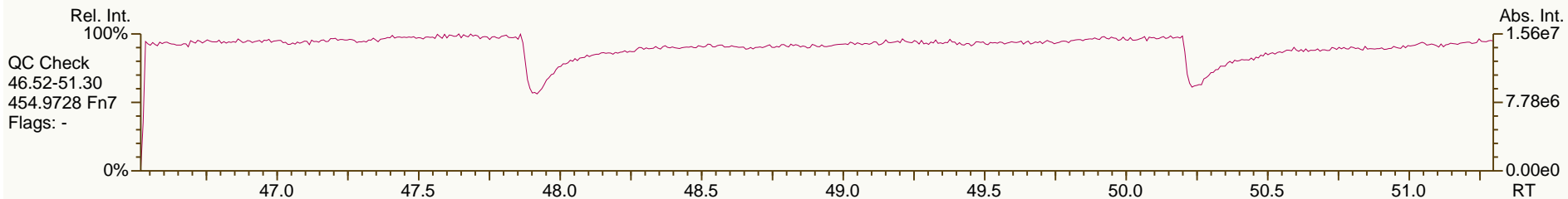
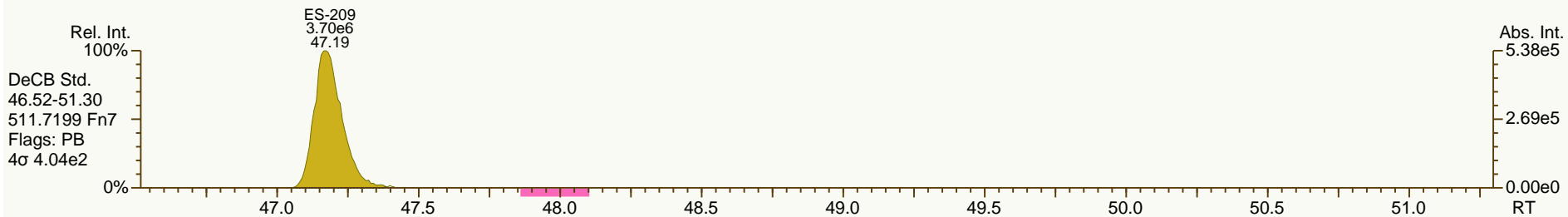
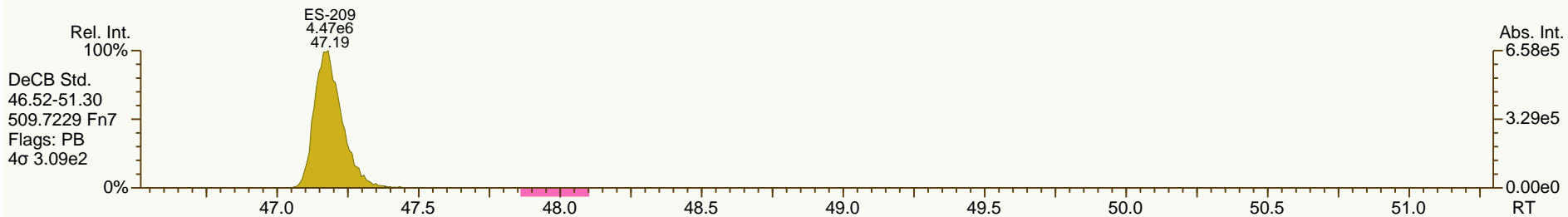
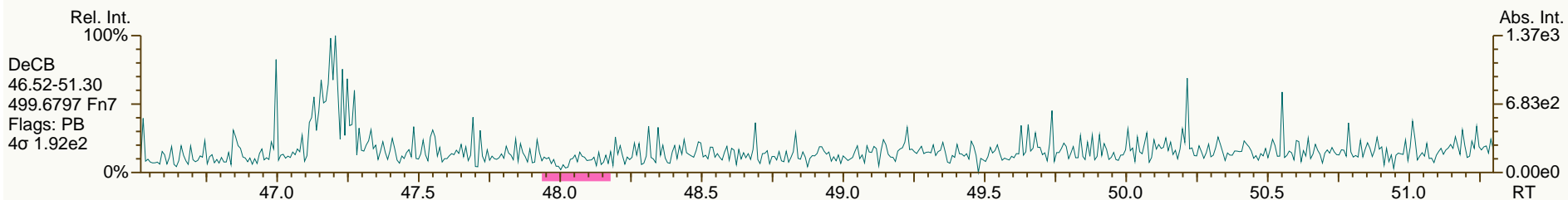
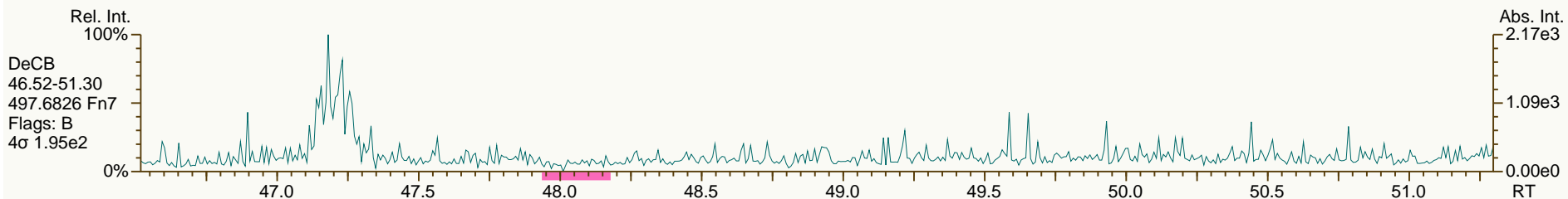
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AP Lab ID: A4369_9892_PCB_001
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

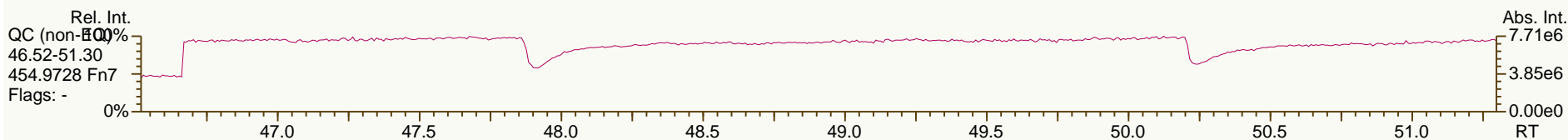
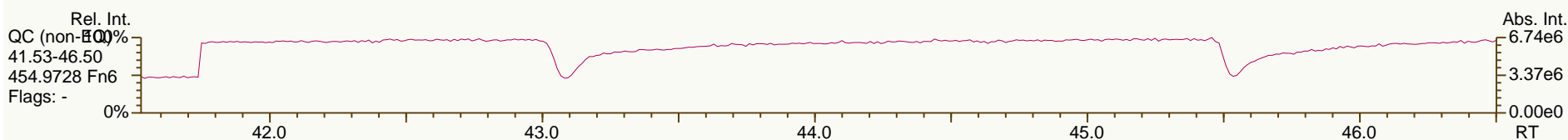
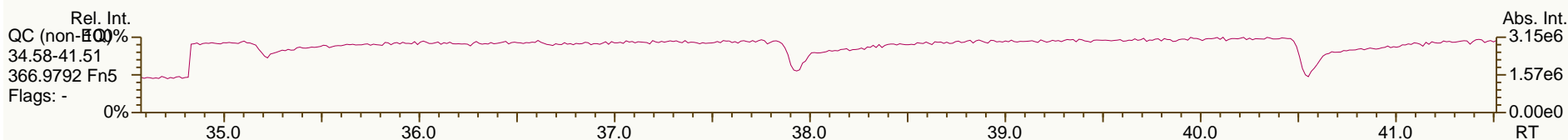
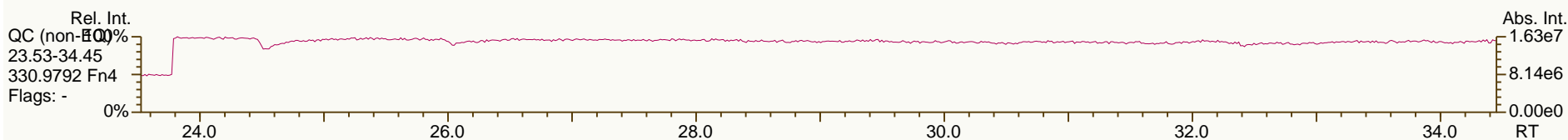
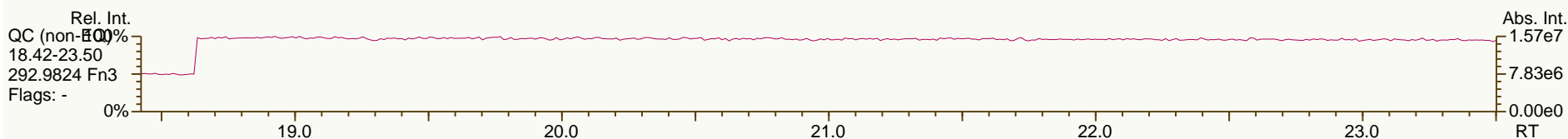
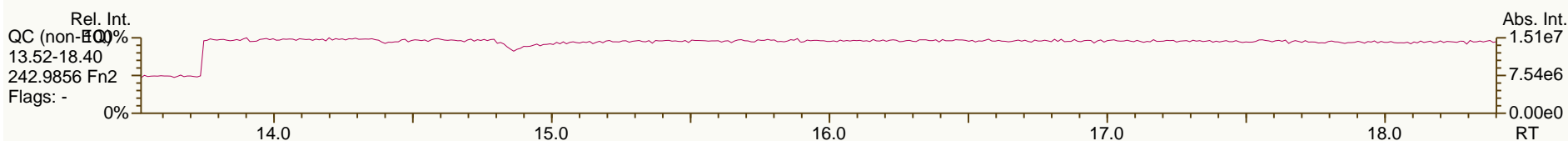
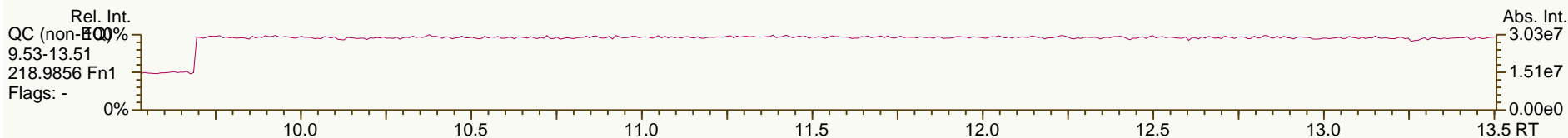
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AP Lab ID: A4369_9892_PCB_001
Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-TISSUE-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 20

Acq: 03-Jul-2012 18:02:27
User: LKB Datafile: 120703S07



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 Method 1668B

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PCB-77 33'44'-TeCB	29.26	EMPC	1.0006	1.0005	-0.2	6.52E+04	0.61	1.22	1.29	1.67E+03	0.338
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.67E+03	0.329
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	5.28E+05	0.61	1.03	15.9	1.33E+03	0.398
PCB-114 2344'5'-PeCB	31.67	J	1.0007	1.0007	0	2.98E+04	0.66	1.10	0.821	1.33E+03	0.368
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0008	0	1.38E+06	0.61	1.03	39.5	1.33E+03	0.385
PCB-123 23'44'5'-PeCB	30.95		1.0007	1.0005	-0.4	3.41E+04	0.69	0.93	1.15	1.33E+03	0.451
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.56E+03	0.382
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	1.58E+05	1.29	1.05	5.01	9.96E+02	0.423
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	8.61E+04	1.11	1.08	2.38	9.96E+02	0.29
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	9.96E+02	0.324
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	0.262
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	3.72E+02	0.247
ES PCB-1	9.83		0.7181	0.7174	-0.4	6.98E+06	3.28	1.01	56.5 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	7.31E+06	3.32	1.05	56.9 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.46E+06	1.63	0.70	52.4 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	9.27E+06	1.64	1.17	64.8 %	19%	107%
ES PCB-19	14.66		1.0698	1.0696	-0.2	4.28E+06	1.09	0.57	61.8 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	7.52E+06	1.09	1.41	86.5 %	25%	123%
ES PCB-54	17.30		0.8157	0.8155	-0.2	5.23E+06	0.77	1.32	64.2 %	13%	105%
ES PCB-77	29.24		1.3777	1.3781	+0.7	7.71E+06	0.82	1.22	103 %	31%	109%
ES PCB-81	28.77		1.3557	1.3561	+0.7	7.65E+06	0.81	1.15	108 %	14%	127%
ES PCB-104	22.02		0.8147	0.8147	0	5.45E+06	1.57	1.69	55.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	6.05E+06	1.59	1.21	86.8 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	6.17E+06	1.57	1.23	86.6 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	6.30E+06	1.63	1.25	87.5 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	5.96E+06	1.57	1.33	77.7 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	7.27E+06	1.66	1.36	92.7 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.85		0.7939	0.7937	-0.3	6.13E+06	1.25	1.40	83.2 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.13E+07	1.29	1.13	94.8 %	40%	120%
ES PCB-167	36.37		1.0753	1.0754	+0.2	6.24E+06	1.24	1.13	105 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.71E+06	1.24	1.14	95.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7201	-0.6	5.29E+06	1.04	1.34	75.3 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	7.29E+06	1.06	1.77	97 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	5.89E+06	0.90	1.27	88.3 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	4.96E+06	0.87	1.25	93.3 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	3.46E+06	0.75	1.07	76.2 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	5.29E+06	0.82	1.34	92.9 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	4.04E+06	1.20	1.18	80.1 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9269	0	7.73E+06	1.11	0.98	105 %	14%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0844	+0.2	6.51E+06	1.63	0.90	122 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	3.72E+06	1.17	0.65	109 %	57%	125%
CS PCB-28	19.67		0.9269	0.9269	0	7.73E+06	1.11	1.39	90.7 %	14%	131%
CS PCB-111	29.31		1.0843	1.0844	+0.2	6.51E+06	1.63	1.19	94.5 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	3.72E+06	1.17	0.87	81.7 %	57%	125%
JS PCB-9	13.71					1.22E+07	1.62				
JS PCB-52	21.22					6.16E+06	0.74				
JS PCB-101	27.02					5.78E+06	1.57				
JS PCB-138	33.82					5.24E+06	1.27				
JS PCB-194	43.96					4.26E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	6.69	6.69	0.38		
						Di-CBs	144	144	1.6		
						Tri-CBs	58.5	62.5	0.563		
						Tetra-CBs	161	164	0.311		
						Penta-CBs	343	344	0.388		
						Hexa-CBs	384	389	0.311		
						Hepta-CBs	137	139	0.375		
						Octa-CBs	25.5	30.3	0.268		
						Nona-CBs	0	0	0.404		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	8.81E+04	3.02	1.20	1.97	2.87E+03	0.334
PCB-2 3-MoCB	11.62		0.9878	0.9879	+0.1	1.32E+05	3.21	1.14	2.95	2.87E+03	0.421
PCB-3 4-MoCB	11.78		1.0010	1.0008	-0.1	7.85E+04	2.79	1.13	1.78	2.87E+03	0.426
PCB-4 22'-DiCB	11.98		1.0012	1.0010	-0.1	6.84E+04	SI	0.94	3.03	7.84E+03	2.23
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.39E+04	3.84
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.69E+04	5.09
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.69E+04	4.32
PCB-6 23'-DiCB	14.07		1.0261	1.0261	0	9.19E+04	SI	0.96	1.94	5.79E+03	1.02
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.69E+04	4.82
PCB-8 24'-DiCB	14.44		1.0533	1.0535	+0.2	2.98E+05	SI	1.01	5.96	5.79E+03	0.964
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.69E+04	4.11
PCB-11 33'-DiCB	16.57		0.9701	0.9700	-0.1	6.07E+06	1.44	0.94	130	2.69E+04	4.83
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.69E+04	4.8
PCB-15 44'-DiCB	17.09		1.0008	1.0005	-0.3	1.10E+05	SI	1.01	2.21	5.79E+03	0.967

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0012	+0.1	2.66E+04	1.00	1.01	1.15	1.64E+03	0.515
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1116	+0.6	2.45E+05	1.01	1.23	8.73	1.64E+03	0.425
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	1.11E+05	1.11	1.05	4.65	1.64E+03	0.498
PCB-27 23'6-TrCB	16.83		1.1479	1.1478	-0.1	3.89E+04	0.99	1.38	1.23	1.64E+03	0.378
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.64E+03	0.4
PCB-16 22'3-TrCB	17.04	EMPC	1.1612	1.1618	+0.6	7.68E+04	1.29	0.85	3.93	1.64E+03	0.611
PCB-32 24'6-TrCB	17.49		1.1923	1.1927	+0.4	1.07E+05	0.99	1.46	3.18	1.64E+03	0.356
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	3.04E+03	0.59
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	3.04E+03	0.573
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	1.47E+05	1.04	1.29	2.83	3.04E+03	0.568
PCB-25 23'4-TrCB	19.17		0.8315	0.8312	-0.3	7.76E+04	0.95	1.29	1.5	3.04E+03	0.567
PCB-31 24'5-TrCB	19.43		0.8430	0.8427	-0.3	5.33E+05	1.09	1.33	10	3.04E+03	0.551
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8537	-0.6	6.38E+05	1.03	1.26	12.6	3.04E+03	0.581
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	2.13E+05	1.04	1.31	4.04	3.04E+03	0.559
PCB-22 234'-TrCB	20.21		0.8766	0.8764	-0.2	2.00E+05	1.04	1.21	4.08	3.04E+03	0.602
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	3.04E+03	0.581
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	3.04E+03	0.554
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	3.04E+03	0.619
PCB-35 33'4-TrCB	22.73		0.9860	0.9856	-0.5	6.06E+04	1.11	1.15	1.31	3.04E+03	0.635
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	1.55E+05	1.06	1.20	3.21	3.04E+03	0.61
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	8.62E+02	0.263
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	7.53E+04	0.71	0.83	2.23	1.00E+03	0.299
PCB-45 22'36-TeCB	19.75		0.9304	0.9306	+0.2	5.04E+04	0.88	0.68	1.81	1.00E+03	0.363
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	3.58E+04	0.78	0.84	1.04	1.00E+03	0.294
PCB-46 22'36'-TeCB	20.00	J	0.9429	0.9428	-0.1	1.92E+04	0.68	0.68	0.692	1.00E+03	0.364
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	8.60E+05	0.78	0.76	27.8	1.00E+03	0.326
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	1.00E+03	0.254
PCB-43 22'35-TeCB	21.44	J EMPC	1.0106	1.0106	0	1.62E+04	0.62	0.70	0.563	1.00E+03	0.351
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0206	+1.0	4.66E+05	0.77	0.94	12.2	1.00E+03	0.264
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	1.01E+05	0.76	0.77	3.23	1.00E+03	0.322
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0410	-0.8	6.75E+05	0.83	0.83	19.8	1.00E+03	0.297
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0537	-0.5	1.23E+05	0.80	1.06	2.83	1.00E+03	0.233
PCB-42 22'34'-TeCB	22.52		1.0612	1.0613	+0.1	1.48E+05	0.72	0.72	5.03	1.00E+03	0.344
PCB-41 22'34-TeCB	22.83	EMPC	1.0759	1.0758	-0.1	2.63E+04	1.04	0.64	1.01	1.00E+03	0.386
PCB-71/40 23'4'6/22'33'-TeCB	22.94	C	1.0806	1.0810	+0.6	2.39E+05	0.85	0.80	7.3	1.00E+03	0.308
PCB-64 234'6-TeCB	23.13		1.0899	1.0900	+0.1	3.34E+05	0.84	1.10	7.43	1.00E+03	0.225
PCB-72 23'55'-TeCB	23.87	J	0.8295	0.8295	0	2.98E+04	0.78	1.12	0.65	1.67E+03	0.366
PCB-68 23'45'-TeCB	24.11	J EMPC	0.8379	0.8379	0	1.97E+04	0.66	1.22	0.394	1.67E+03	0.336
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.67E+03	0.374
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.67E+03	0.368
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.02E+05	0.70	1.17	2.12	1.67E+03	0.349
PCB-63 234'5-TeCB	25.02		0.8697	0.8697	0	4.76E+04	0.85	1.22	0.952	1.67E+03	0.335
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	1.55E+06	0.75	1.13	33.5	1.67E+03	0.362
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	8.31E+05	0.80	1.06	19.1	1.67E+03	0.386
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.67E+03	0.374

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9080	0	3.58E+05	0.73	1.06	8.23	1.67E+03	0.386
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	1.87E+05	0.82	1.09	4.19	1.67E+03	0.376
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.67E+03	0.334
PCB-79 33'45'-TeCB	27.96	J	0.9718	0.9717	-0.2	3.16E+04	0.79	1.21	0.64	1.67E+03	0.34
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.67E+03	0.404
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.01E+03	0.342
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.01E+03	0.352
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.33E+03	0.505
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.33E+03	0.579
PCB-95 22'35'6'-PeCB	24.55		0.9082	0.9083	+0.1	9.26E+05	0.62	0.75	38.6	1.33E+03	0.554
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.77	ND	1.33E+03	0.542
PCB-102 22'456'-PeCB	24.86	EMPC	0.9198	0.9201	+0.4	3.54E+04	0.50	0.88	1.26	1.33E+03	0.474
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.33E+03	0.615
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.33E+03	0.616
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9354	+0.3	1.88E+05	0.60	0.85	6.95	1.33E+03	0.492
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	2.08E+05	0.60	0.66	9.92	1.33E+03	0.636
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.33E+03	0.609
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.33E+03	0.414
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	3.90E+05	0.59	0.71	17.2	1.33E+03	0.586
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	1.57E+06	0.60	0.86	57.3	1.33E+03	0.485
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0149	-0.2	9.62E+04	0.66	0.62	4.87	1.33E+03	0.673
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0189	-0.2	8.94E+05	0.57	0.77	36.6	1.33E+03	0.544
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.33E+03	0.403
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0355	+1.3	8.96E+05	0.62	0.89	31.6	1.33E+03	0.469
PCB-117 234'56'-PeCB	28.49		1.0539	1.0541	+0.3	6.43E+04	0.63	0.70	2.87	1.33E+03	0.594
PCB-116/85 23456/22'344'-PeCB	28.56	C	1.0566	1.0567	+0.2	2.81E+05	0.60	0.98	8.97	1.33E+03	0.424
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0617	+0.3	1.77E+06	0.61	0.97	57.1	1.33E+03	0.43
PCB-115 2344'6'-PeCB	28.78		1.0644	1.0648	+0.7	4.88E+04	0.60	1.00	1.52	1.33E+03	0.416
PCB-82 22'33'4'-PeCB	28.95		1.0711	1.0711	0	1.18E+05	0.63	0.63	5.88	1.33E+03	0.663
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.33E+03	0.414
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.33E+03	0.409
PCB-107/124 ...-PeCB	30.66	C	0.9909	0.9911	+0.4	6.03E+04	0.53	0.95	1.98	1.33E+03	0.438
PCB-109 233'46'-PeCB	30.86		0.9976	0.9976	0	1.51E+05	0.70	1.05	4.51	1.33E+03	0.397
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.33E+03	0.428
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.33E+03	0.442
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.33E+03	0.415
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.53E+02	0.208
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.53E+02	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.53E+02	0.221
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	2.30E+05	1.32	0.92	7.65	7.53E+02	0.24
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.53E+02	0.236
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.53E+02	0.305
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	7.99E+05	1.26	0.71	34.2	7.53E+02	0.309
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1069	+0.4	5.24E+04	1.30	0.79	2.02	7.53E+02	0.278
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1160	+0.4	7.19E+04	1.23	0.72	3.06	7.53E+02	0.307

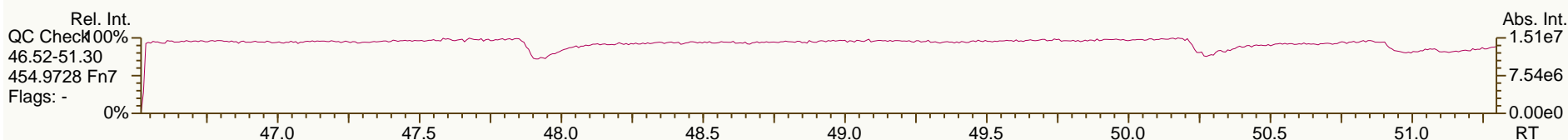
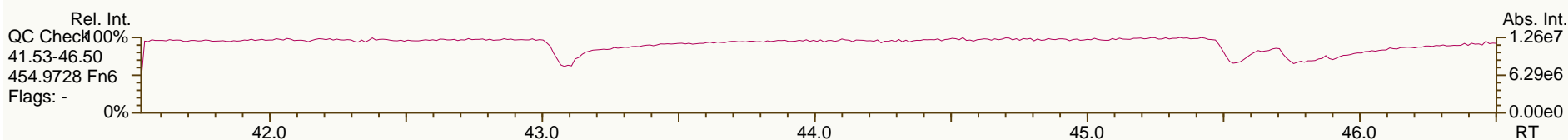
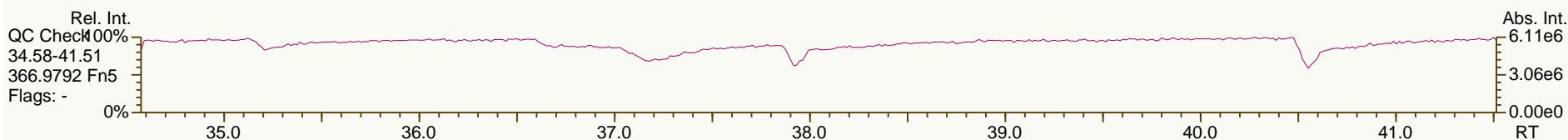
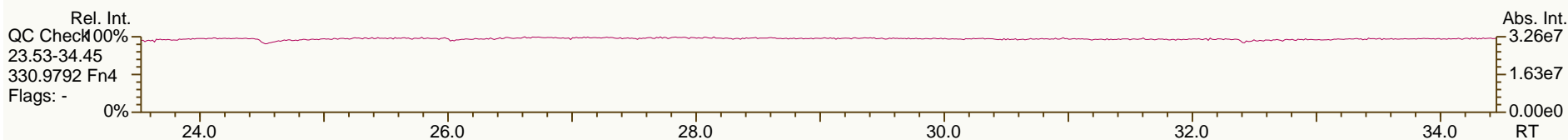
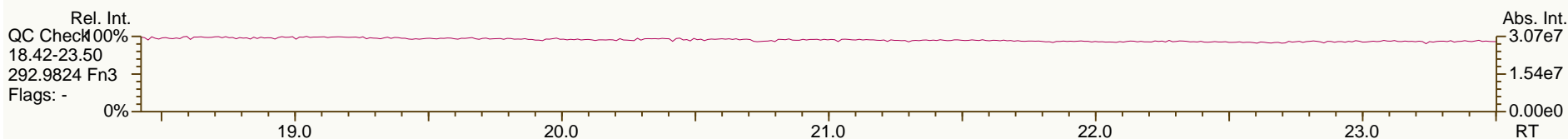
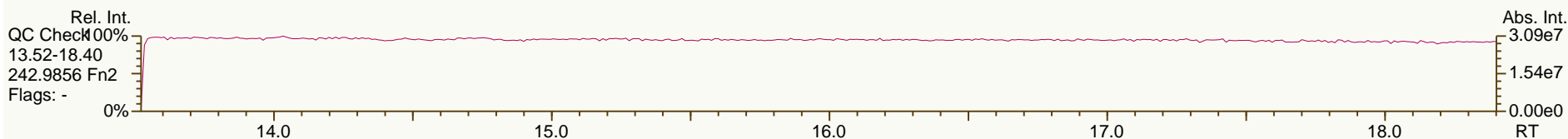
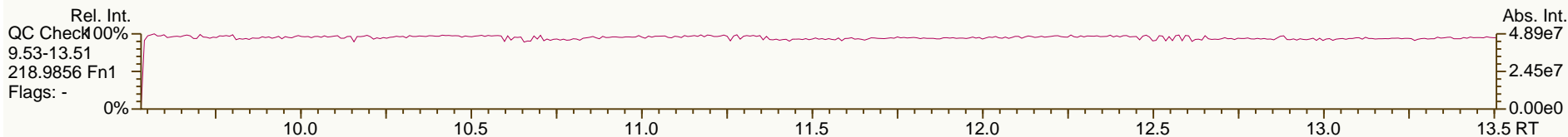
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PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1269	0	1.56E+06	1.19	0.73	64.9	7.53E+02	0.3
PCB-134 22'33'56"-HxCB	30.41	EMPC	1.1326	1.1327	+0.2	1.02E+05	1.05	0.60	5.15	7.53E+02	0.366
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.53E+02	0.316
PCB-139/140 ...-HxCB	30.76	J C	1.1458	1.1458	0	4.49E+04	1.17	0.75	1.83	7.53E+02	0.294
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	7.53E+02	0.354
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.53E+02	0.326
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	4.27E+05	1.30	0.67	19.5	7.53E+02	0.328
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1829	+0.6	8.95E+04	1.40	0.66	4.11	7.53E+02	0.331
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.53E+02	0.266
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	6.11E+05	1.30	0.72	25.7	7.53E+02	0.303
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.53E+02	0.233
PCB-153/168 ...-HxCB	32.82	C	0.9709	0.9702	-1.4	2.42E+06	1.25	0.89	83	7.53E+02	0.248
PCB-141 22'34'55"-HxCB	32.97		0.9746	0.9747	+0.2	1.45E+05	1.31	0.67	6.61	7.53E+02	0.329
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	1.90E+05	1.35	0.61	9.43	7.53E+02	0.358
PCB-137 22'34'4'5"-HxCB	33.49		0.9904	0.9902	-0.4	9.91E+04	1.29	0.72	4.2	7.53E+02	0.305
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	2.01E+05	1.25	0.93	6.58	7.53E+02	0.236
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.13E+06	1.21	0.76	85.8	7.53E+02	0.29
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.53E+02	0.241
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	2.28E+05	1.20	0.96	7.25	7.53E+02	0.229
PCB-128/166 ...-HxCB	34.90	C	0.9593	0.9594	+0.2	3.34E+05	1.23	0.90	11.1	9.96E+02	0.347
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	9.96E+02	0.296
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	9.96E+02	0.286
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.76E+02	0.325
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0088	-0.2	3.01E+05	1.03	1.09	9.72	9.76E+02	0.317
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.76E+02	0.33
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	7.39E+04	0.91	1.17	2.22	9.76E+02	0.296
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.76E+02	0.307
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0817	+0.2	2.77E+05	0.98	0.82	11.9	9.76E+02	0.423
PCB-175 22'33'45'6"-HpCB	34.77	EMPC	1.0985	1.0984	-0.2	2.34E+04	1.29	0.86	0.958	1.14E+03	0.469
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.05E+06	1.09	0.91	40.7	1.14E+03	0.444
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.14E+03	0.435
PCB-183 22'34'4'5'6"-HpCB	35.53		1.1219	1.1222	+0.6	2.98E+05	1.03	1.00	10.5	1.14E+03	0.404
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.14E+03	0.482
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.80E+05	1.06	0.77	8.28	1.14E+03	0.526
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	3.76E+05	1.09	0.77	17.3	1.14E+03	0.526
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.14E+03	0.451
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1562	+1.3	1.20E+05	0.94	0.80	5.28	1.14E+03	0.504
PCB-172 22'33'455"-HpCB	37.99	EMPC	0.9003	0.9003	0	2.72E+04	0.88	0.72	0.974	1.14E+03	0.446
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.14E+03	0.351
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	7.79E+05	1.03	0.84	23.7	1.14E+03	0.379
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	1.14E+03	0.34
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	1.50E+05	0.96	0.70	5.53	1.14E+03	0.458
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9485	-0.2	6.99E+04	1.19	0.91	1.97	1.14E+03	0.35
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	2.17E+05	0.94	0.83	8.33	5.78E+02	0.242
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	6.73E+04	0.96	0.95	2.26	5.78E+02	0.211

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	5.78E+02	0.221
PCB-197 22'33'44'66'-OcCB	37.75	J	1.0431	1.0435	+0.9	2.58E+04	0.98	0.88	0.928	5.78E+02	0.226
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	5.78E+02	0.238
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	2.06E+05	0.88	0.67	9.73	5.78E+02	0.296
PCB-196 22'33'44'56'-OcCB	40.74	EMPC	1.1260	1.1262	+0.5	6.78E+04	0.74	0.68	3.15	5.78E+02	0.292
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1309	+0.7	7.40E+04	0.97	0.72	3.27	5.78E+02	0.277
PCB-195 22'33'44'56-OcCB	42.00		0.9469	0.9469	0	1.72E+04	0.92	0.66	0.984	7.85E+02	0.488
PCB-194 22'33'44'55'-OcCB	43.98	EMPC	0.9915	0.9915	0	3.26E+04	0.70	0.72	1.69	7.85E+02	0.443
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.85E+02	0.294
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	6.56E+02	0.304
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	6.56E+02	0.299
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	6.56E+02	0.503

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 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOSSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

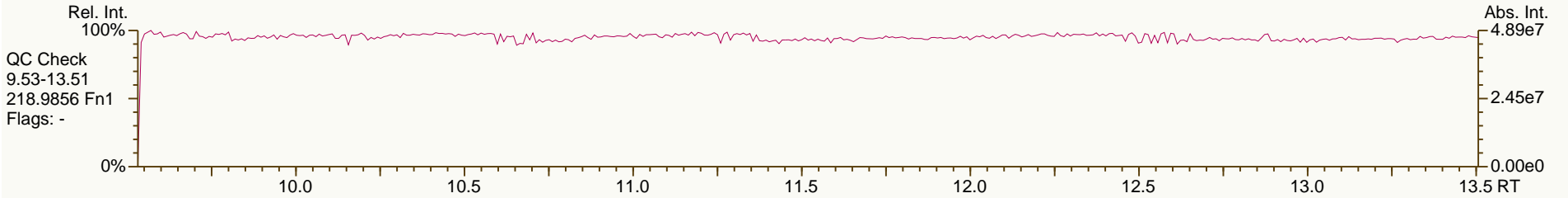
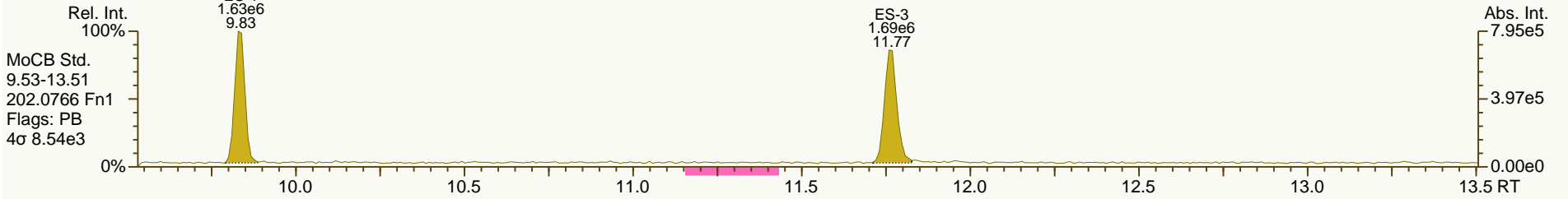
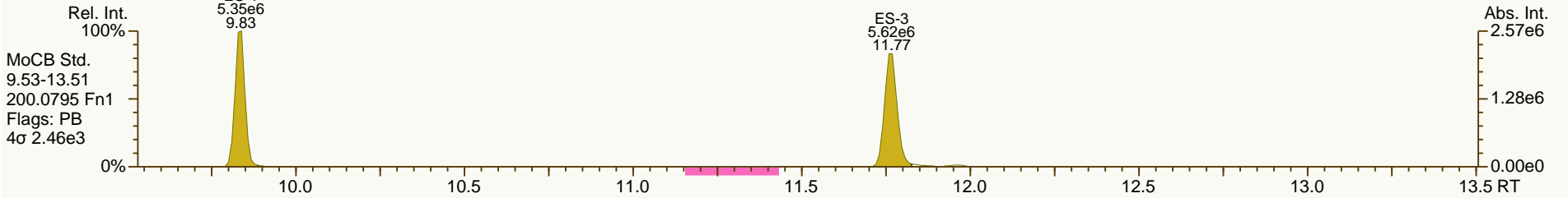
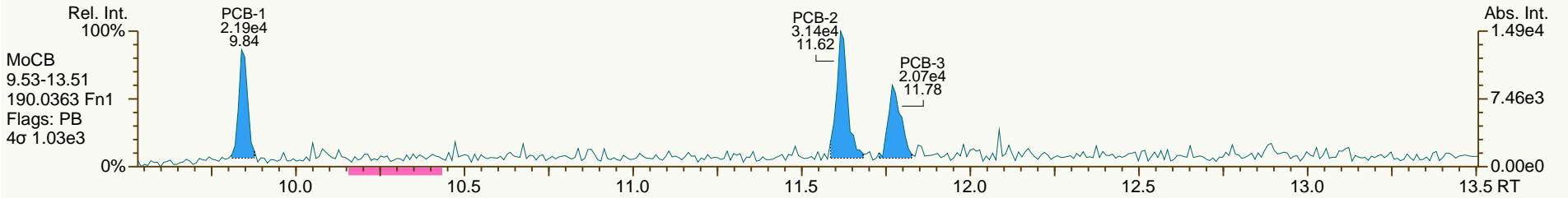
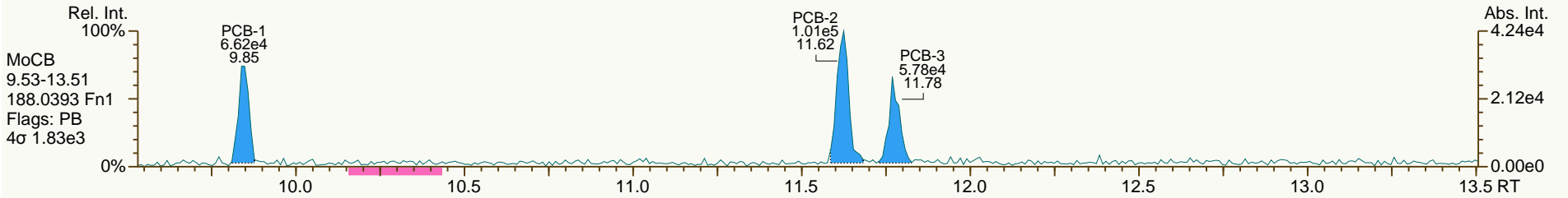
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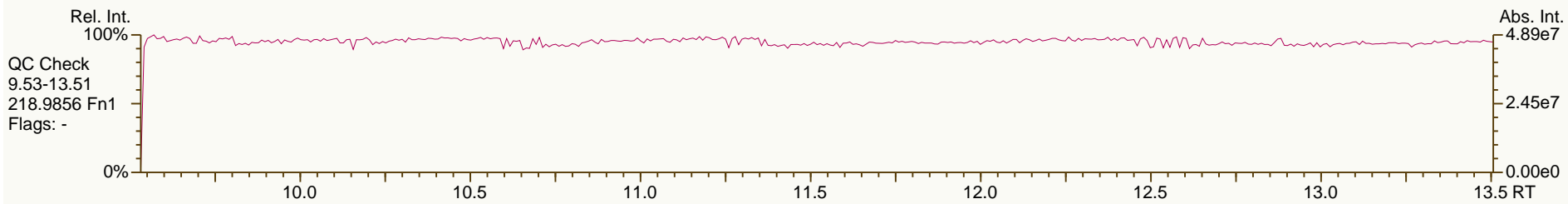
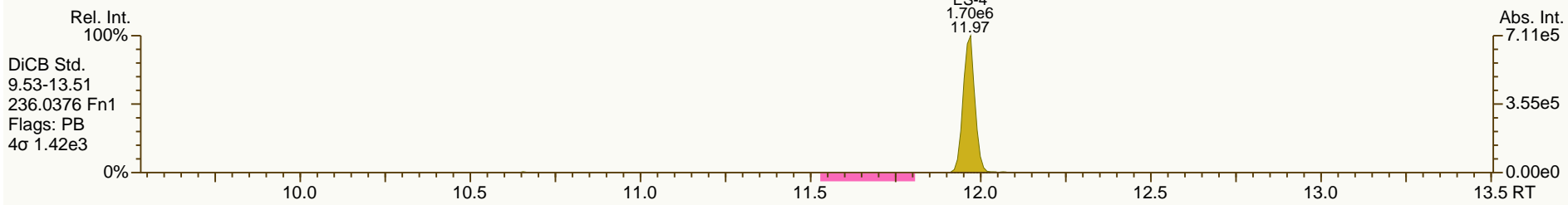
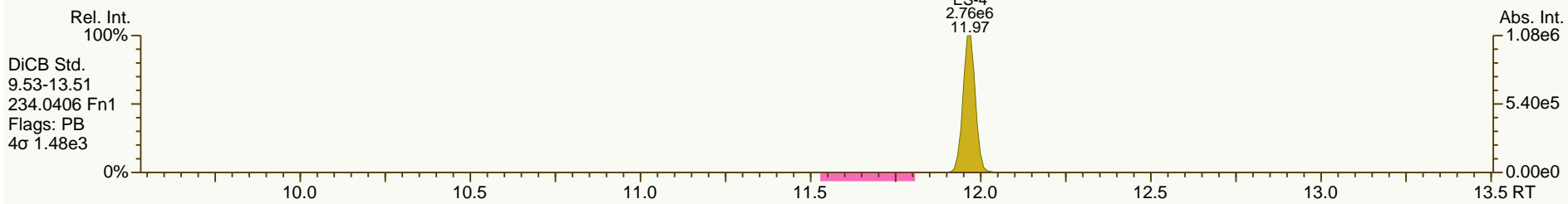
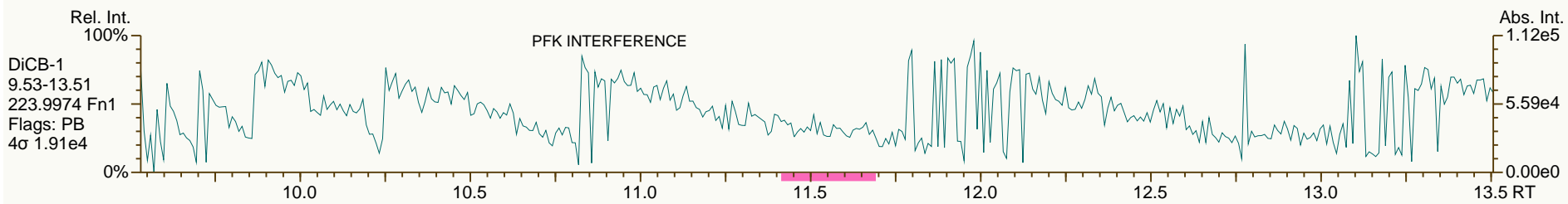
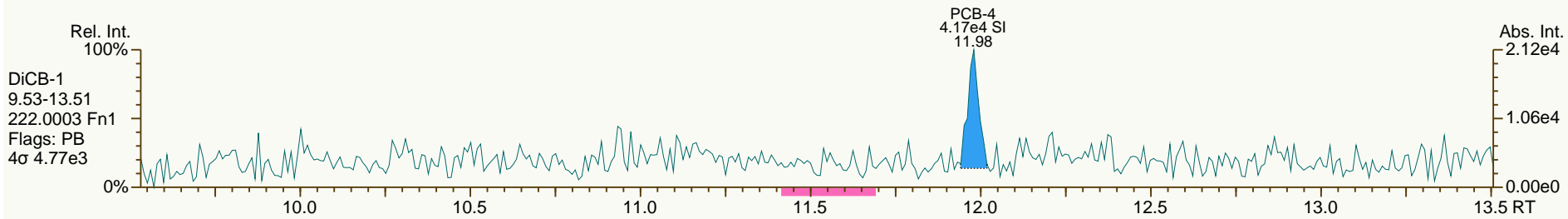
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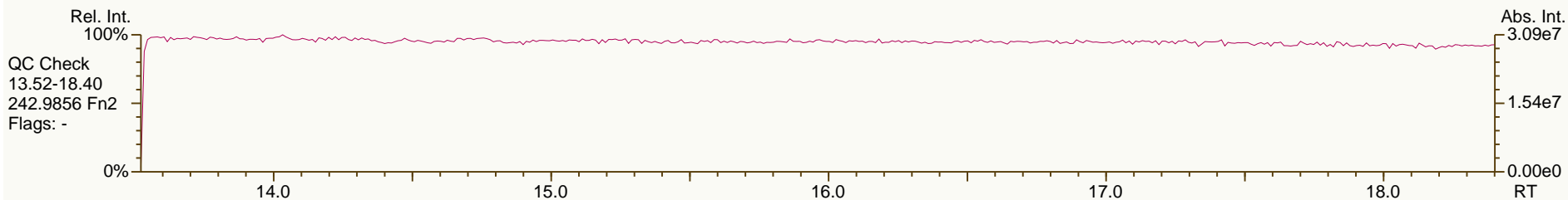
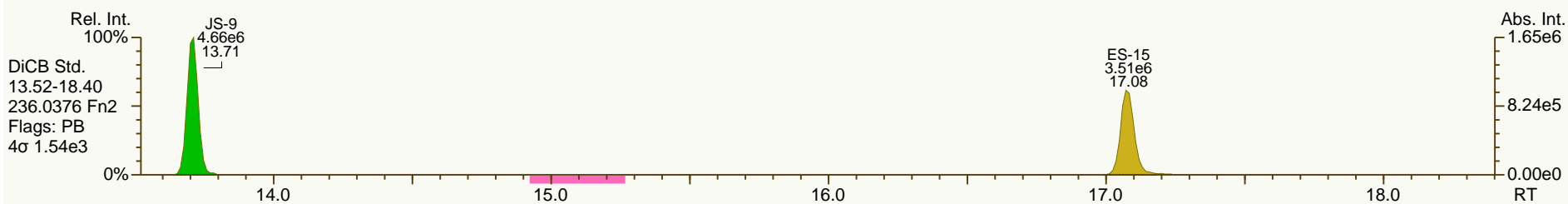
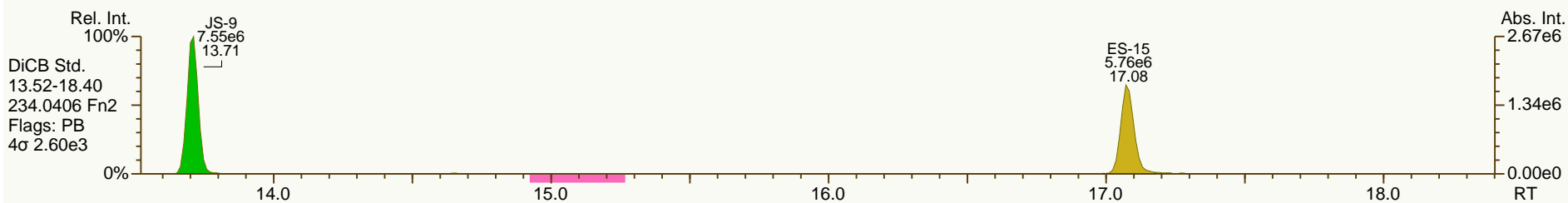
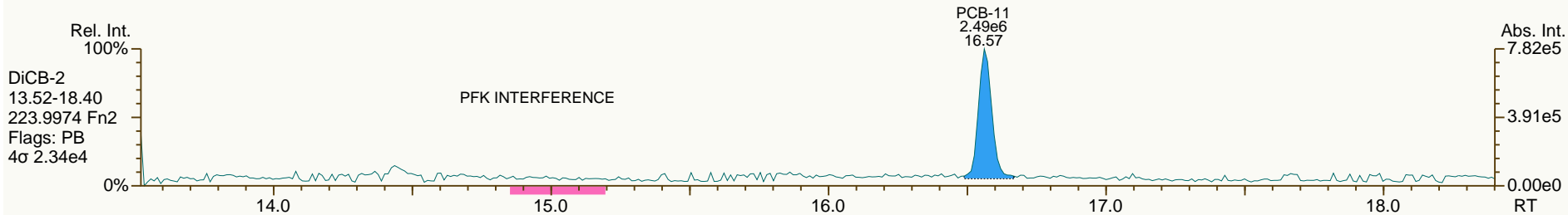
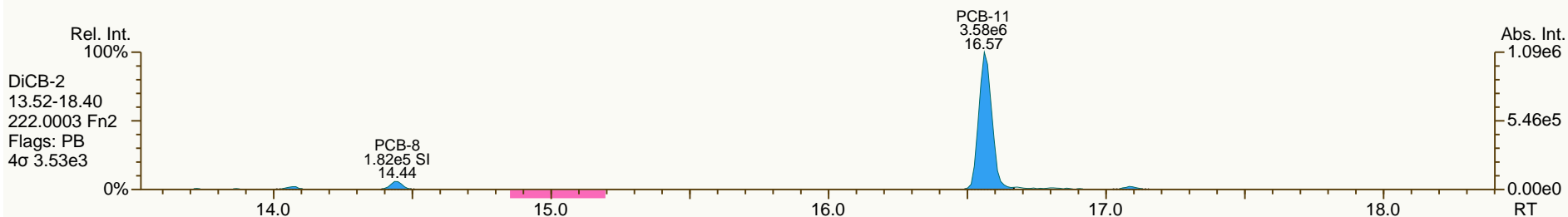
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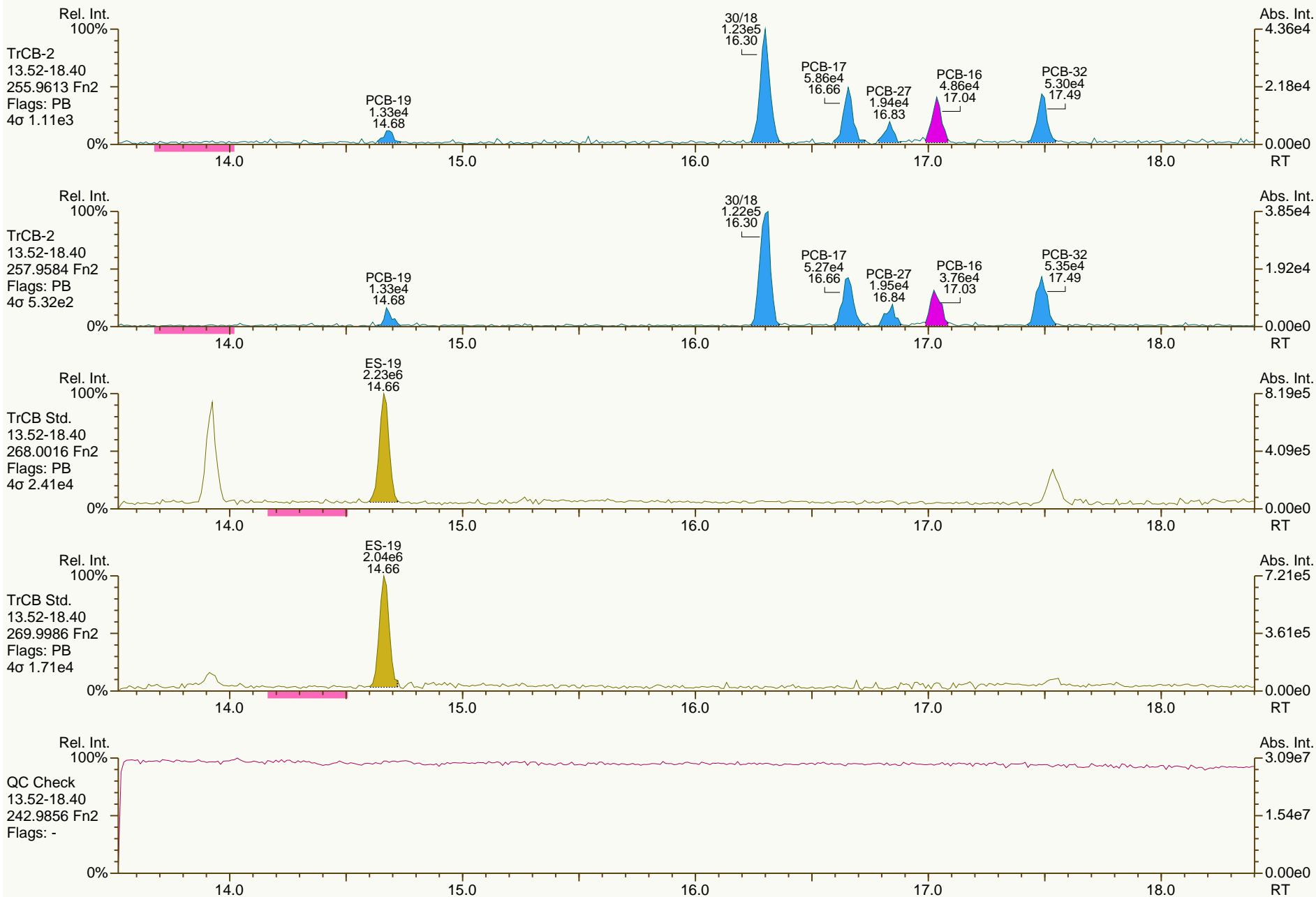
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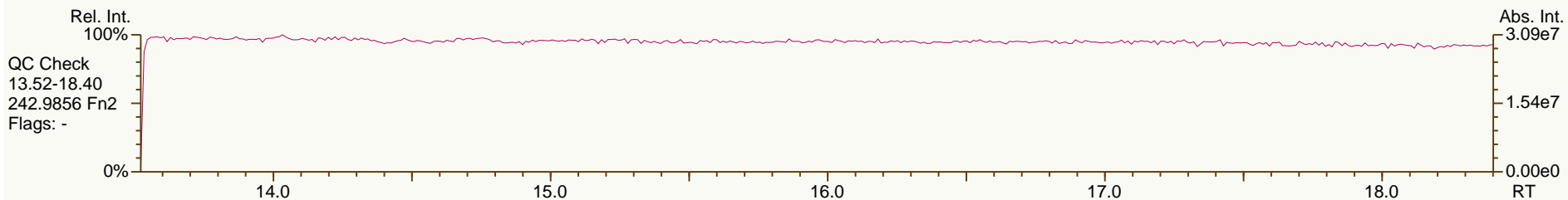
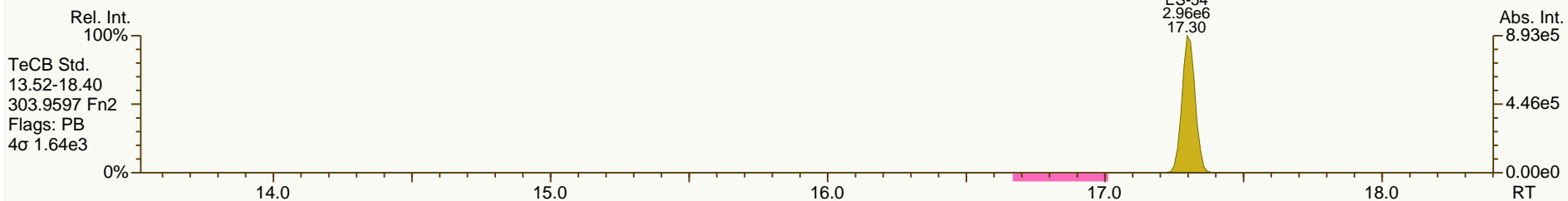
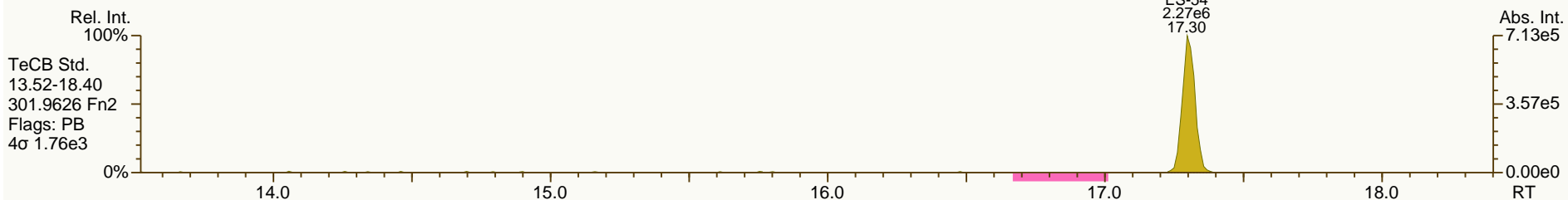
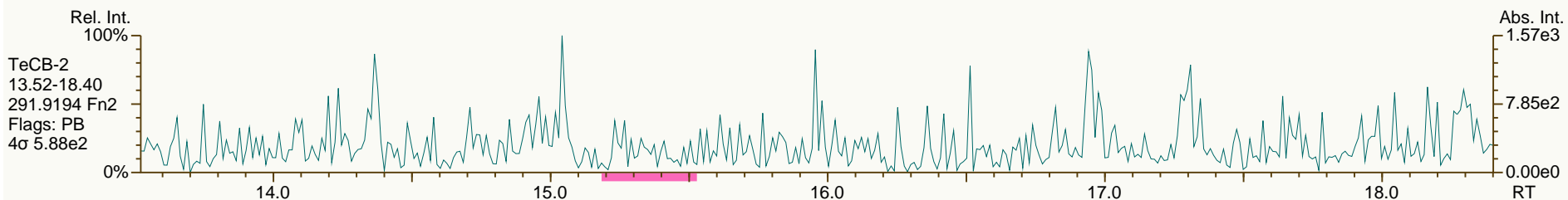
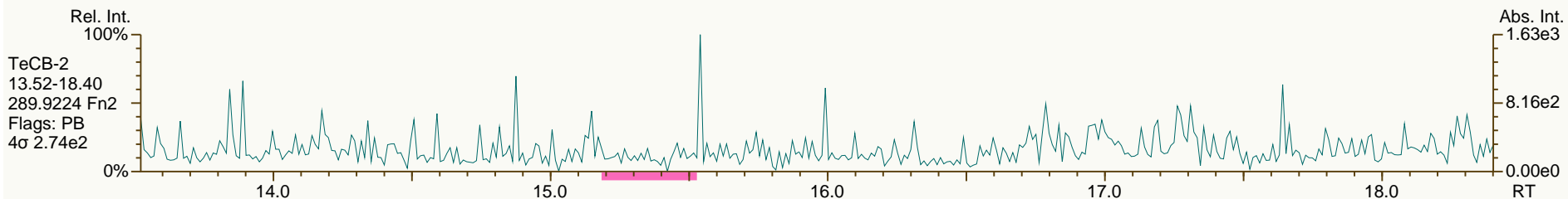
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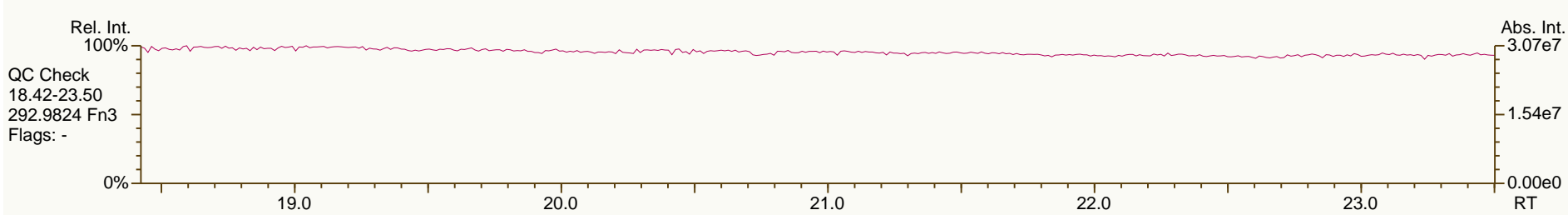
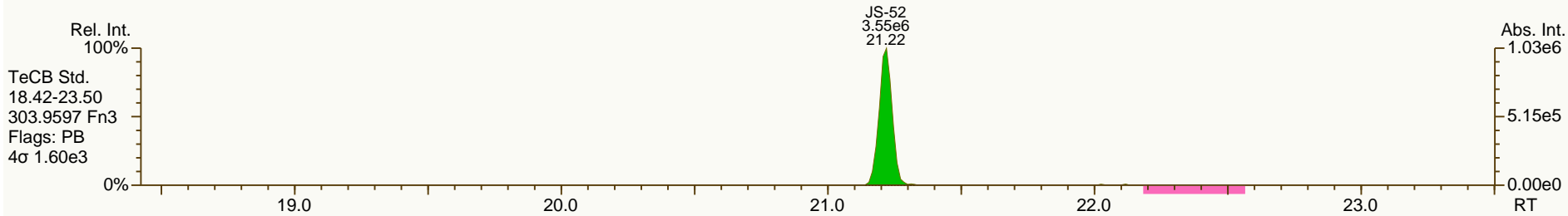
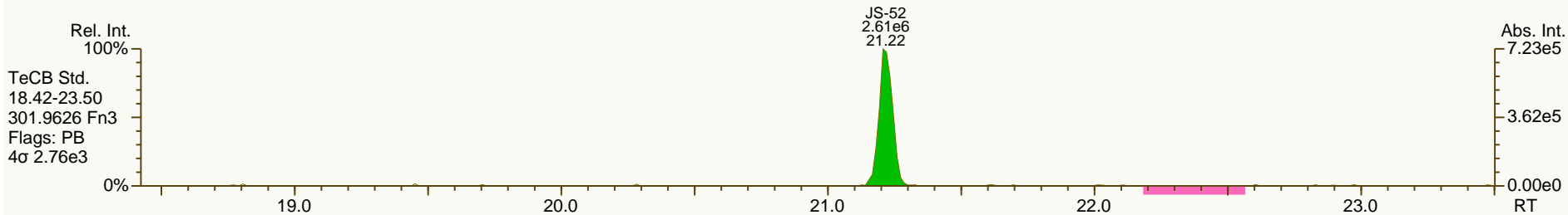
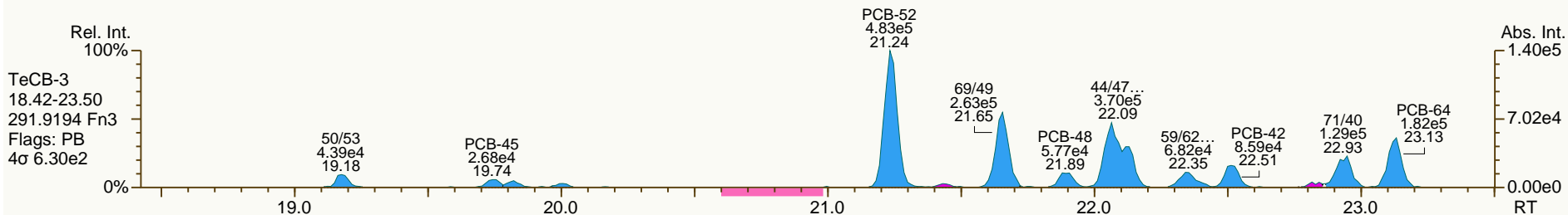
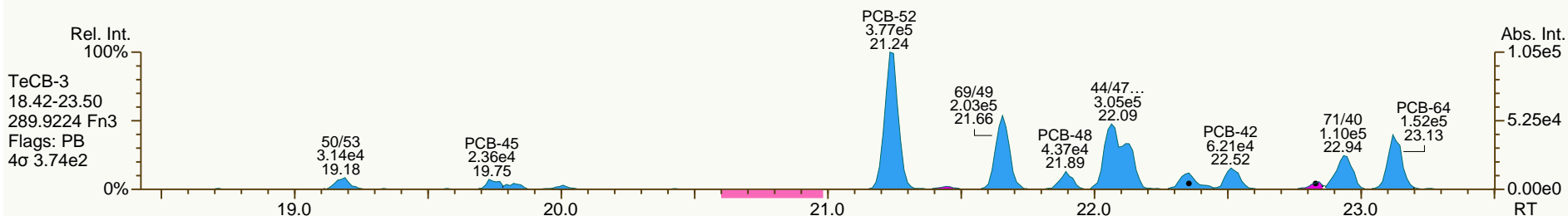
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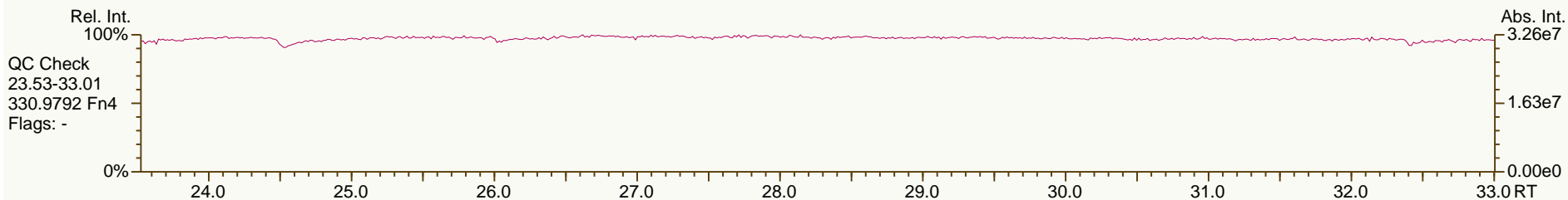
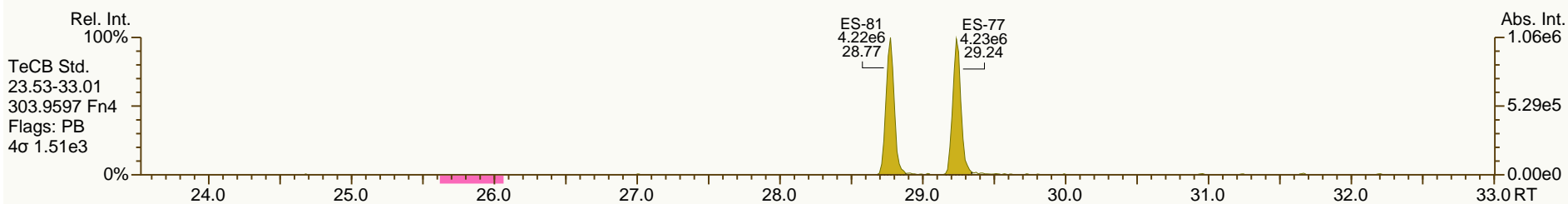
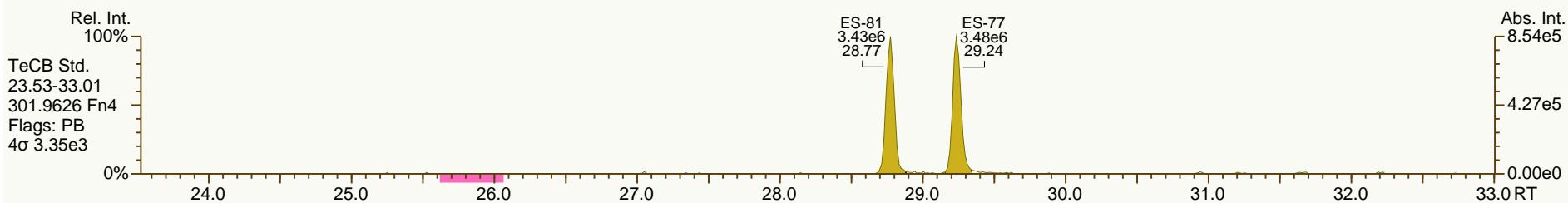
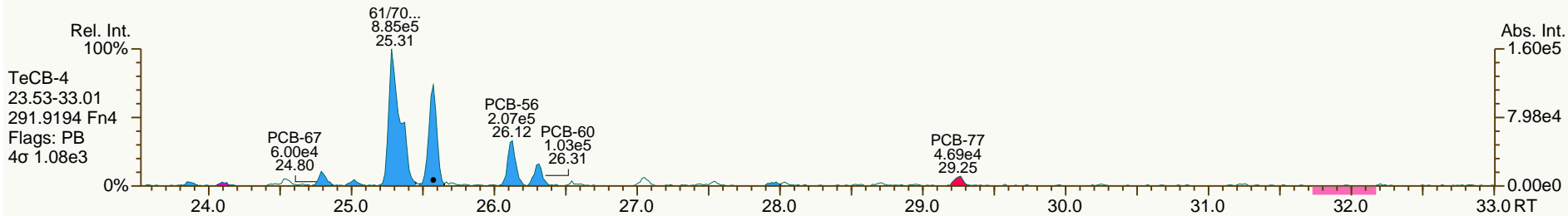
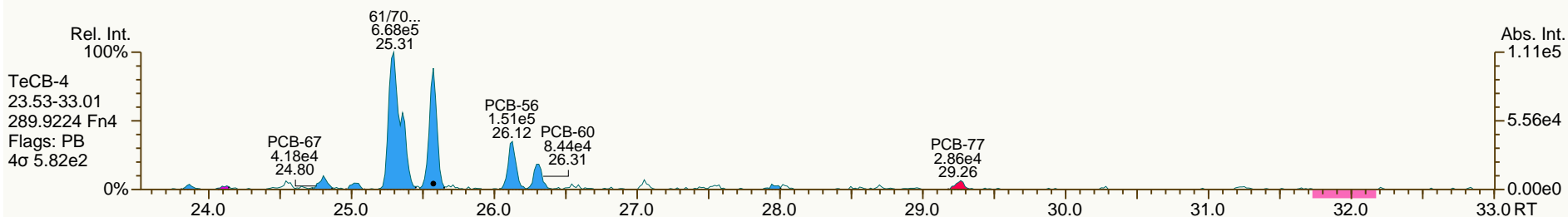
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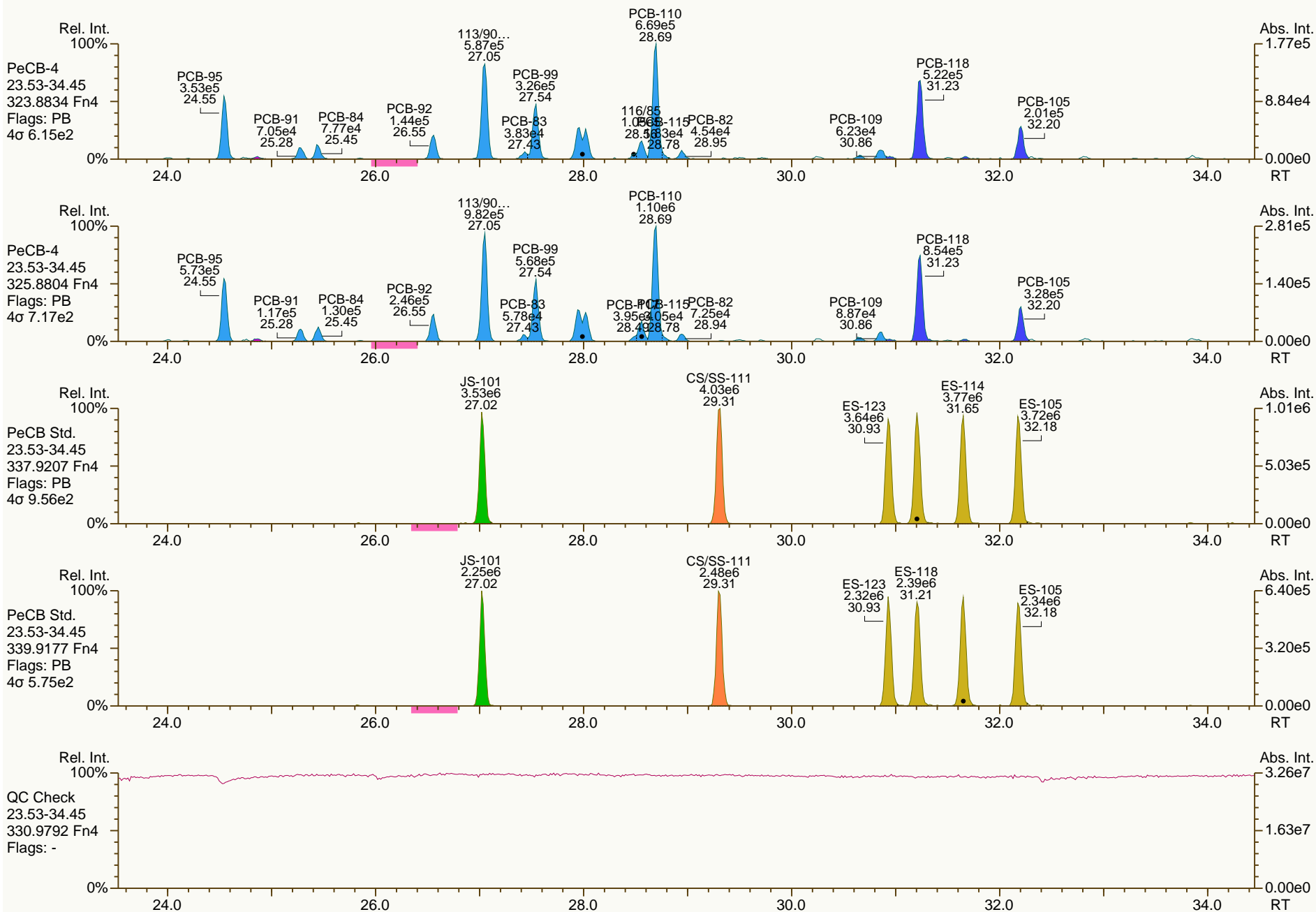
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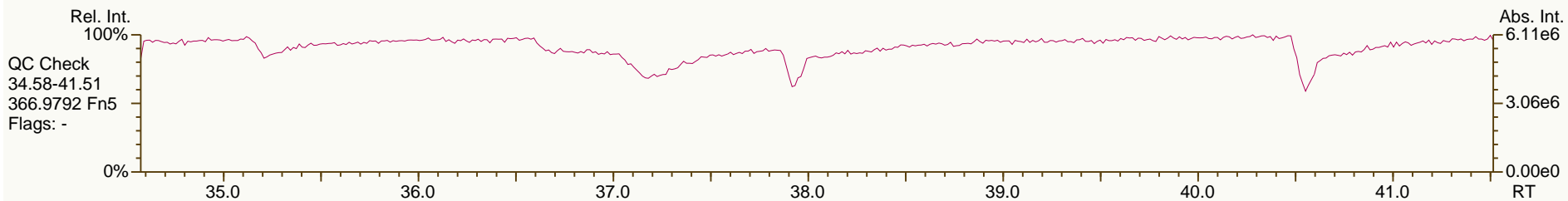
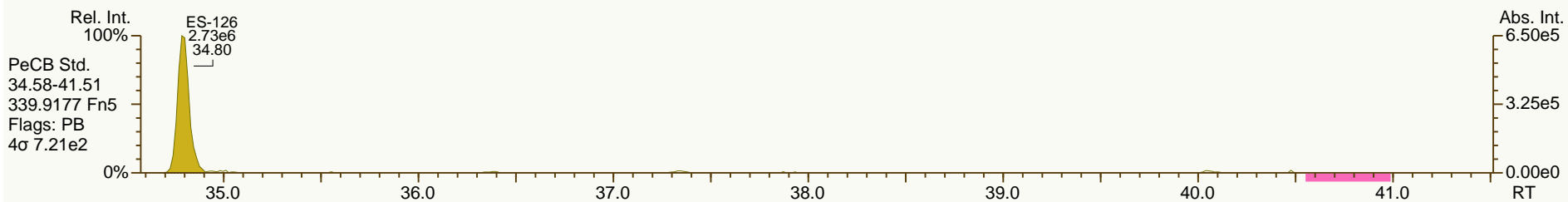
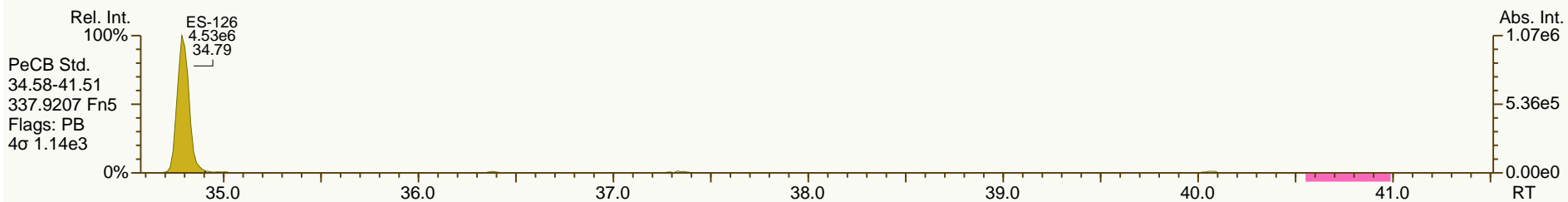
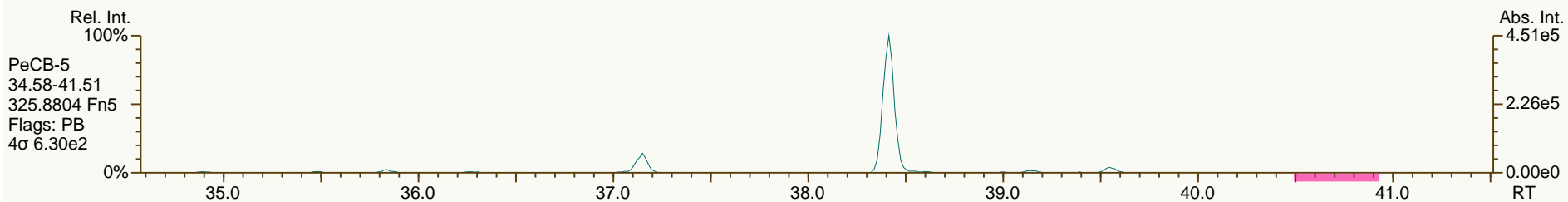
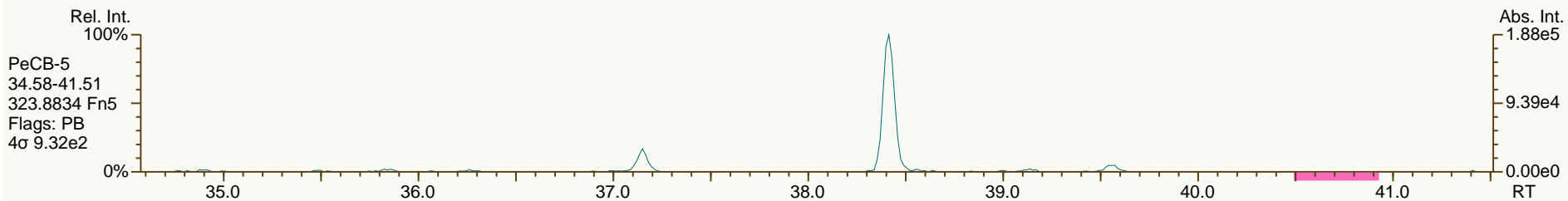
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

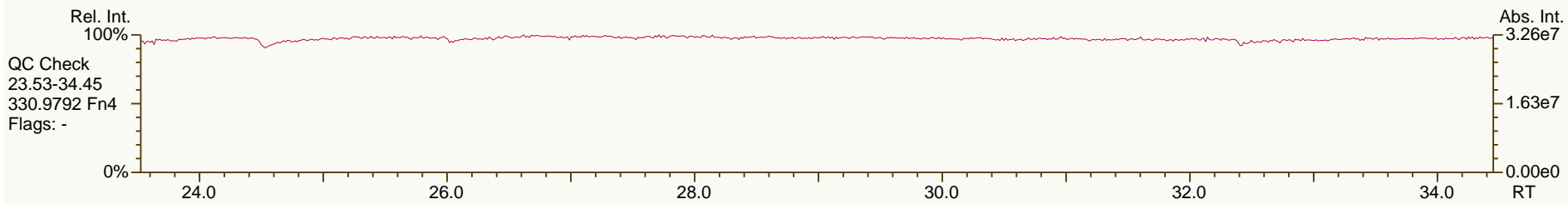
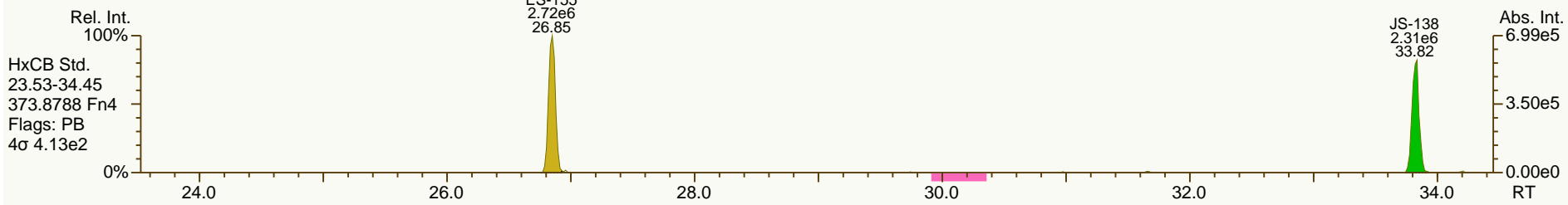
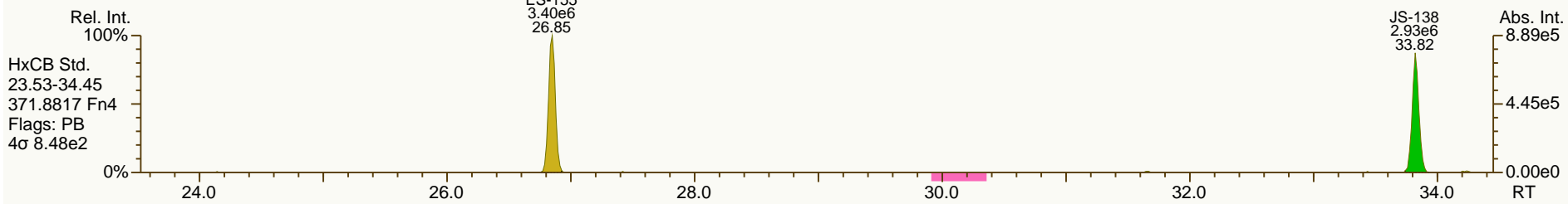
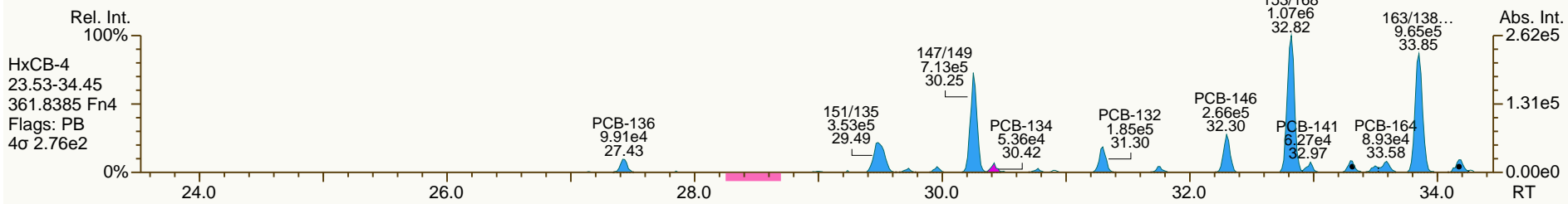
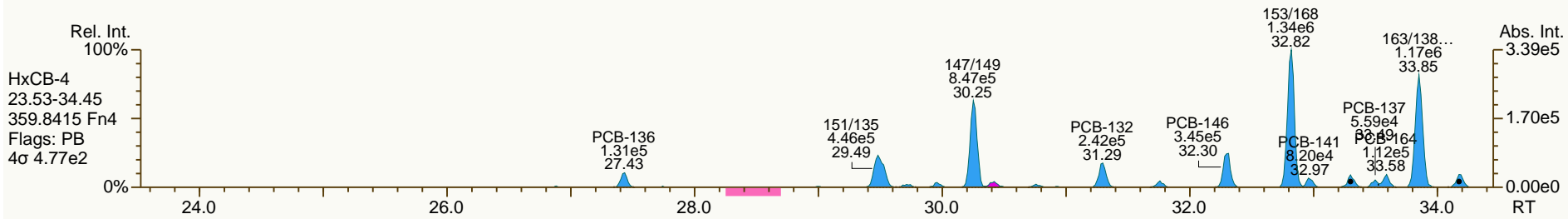
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

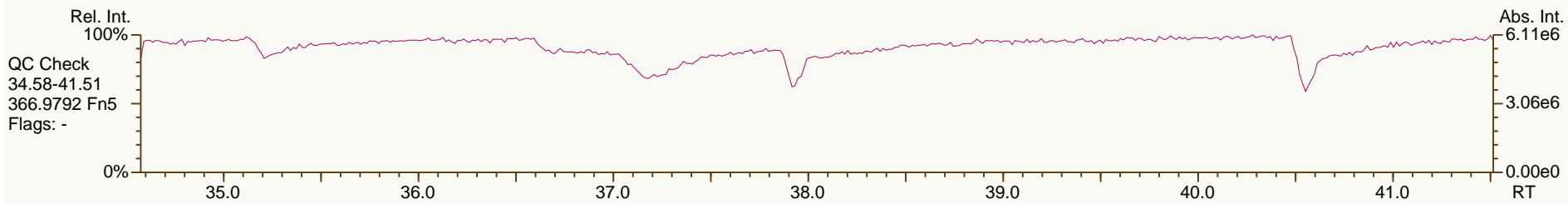
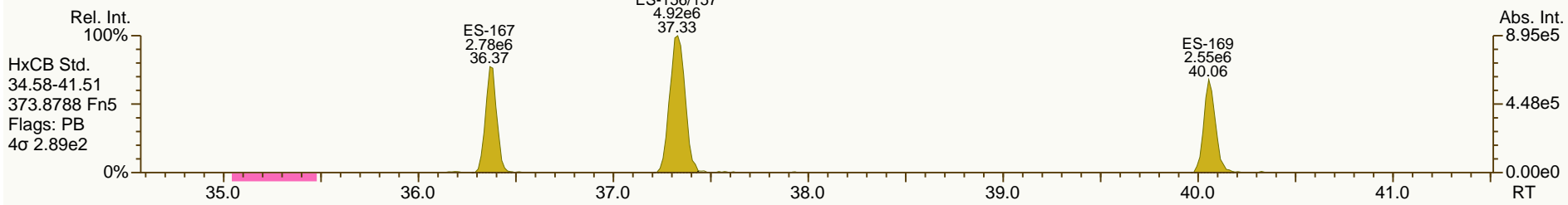
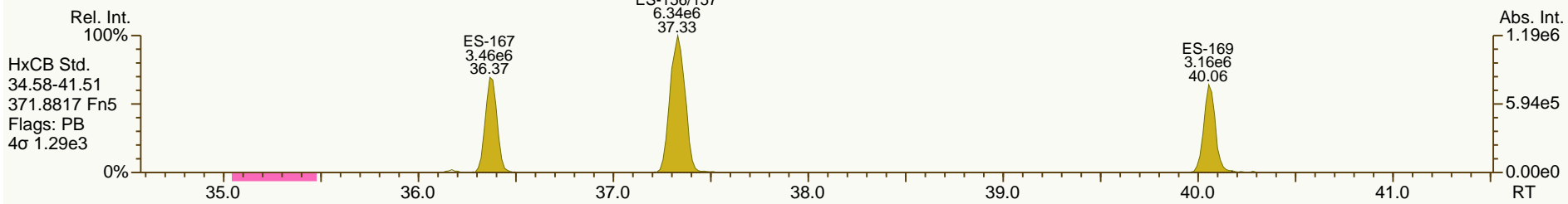
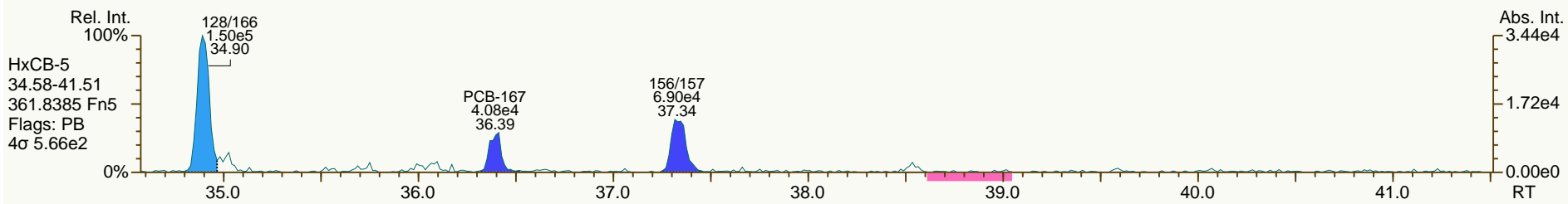
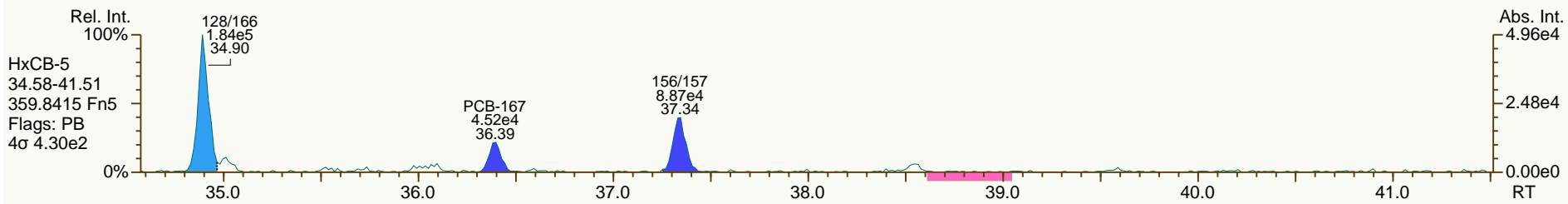
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

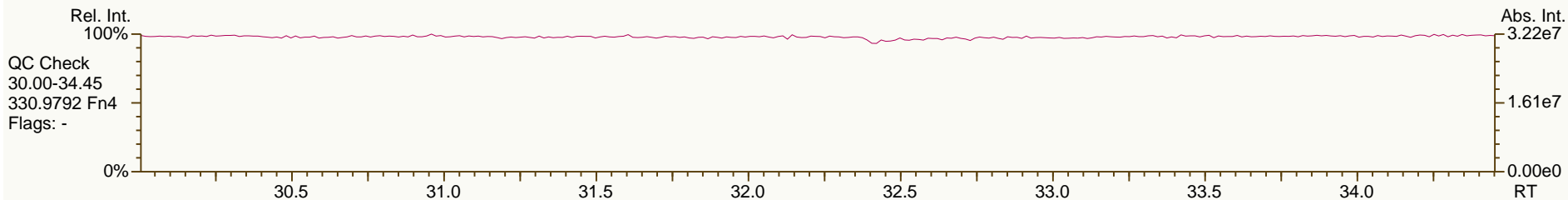
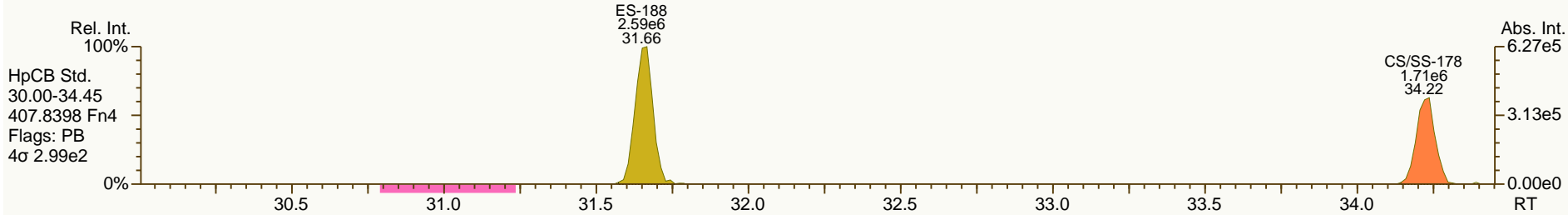
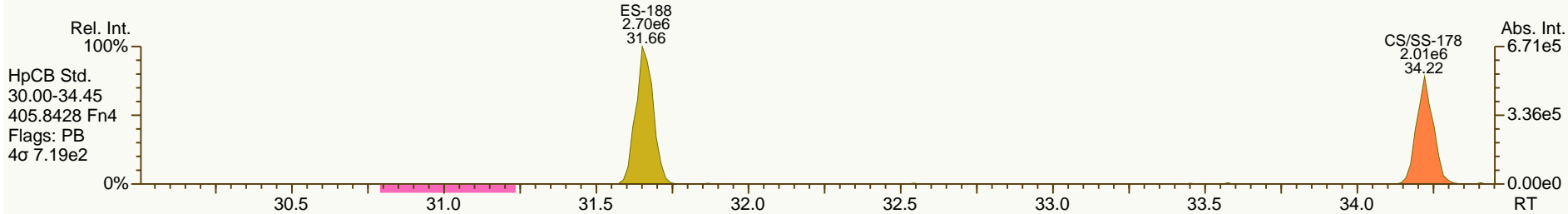
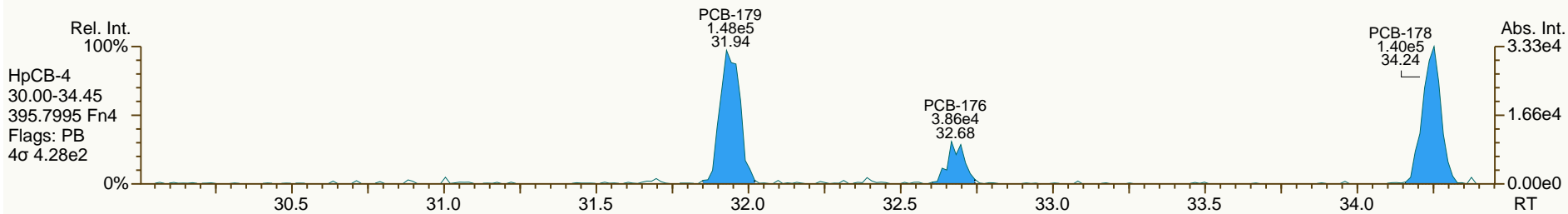
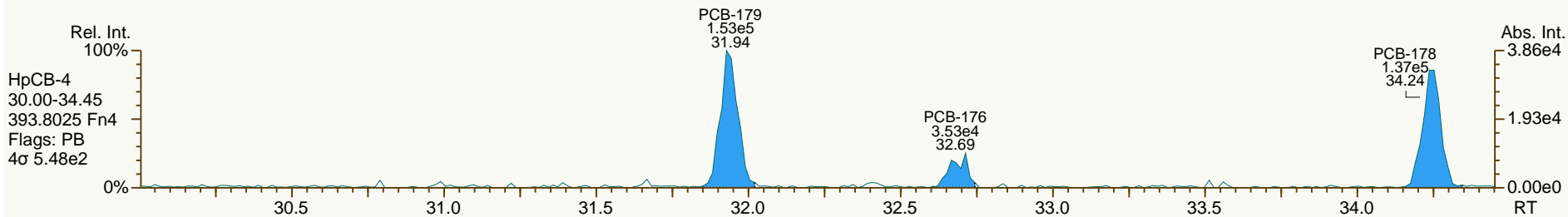
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOSSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

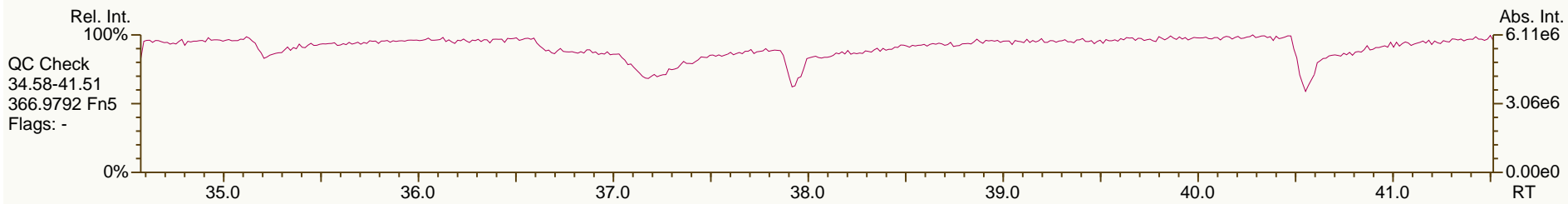
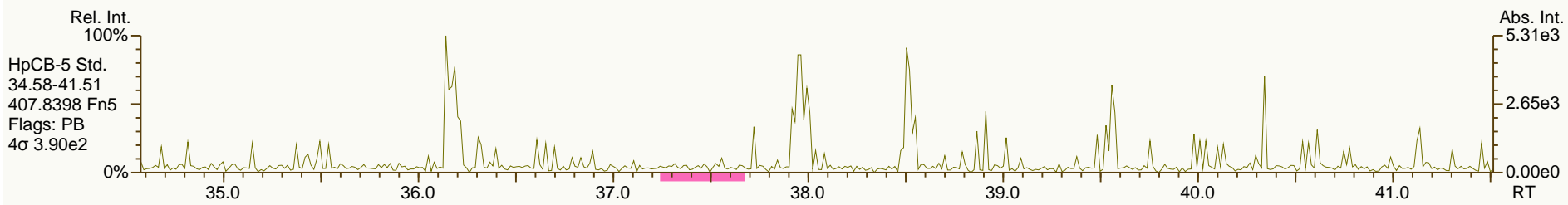
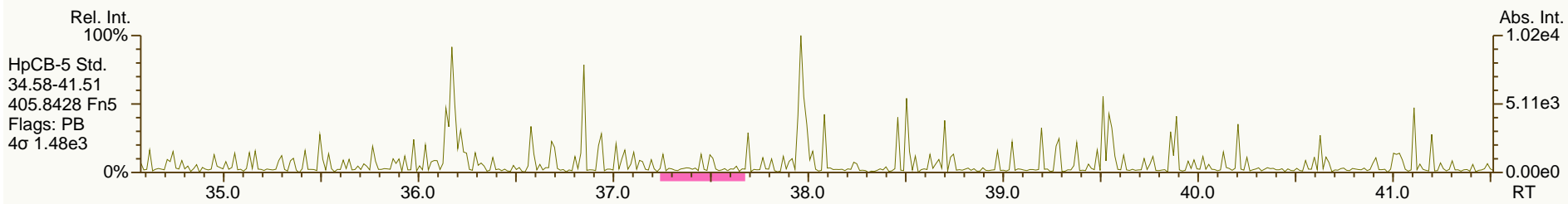
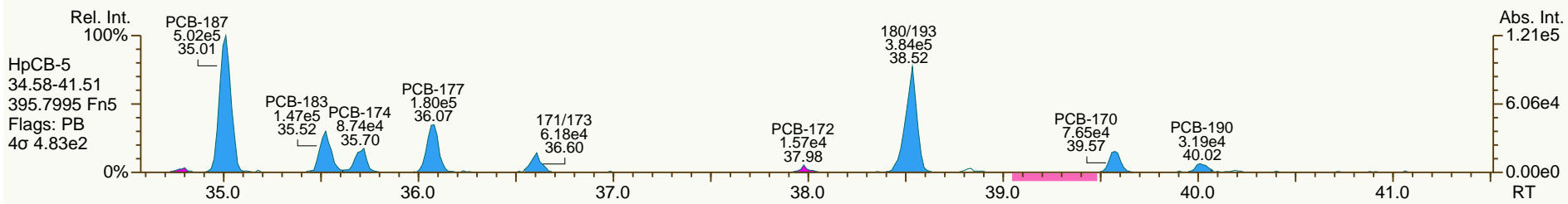
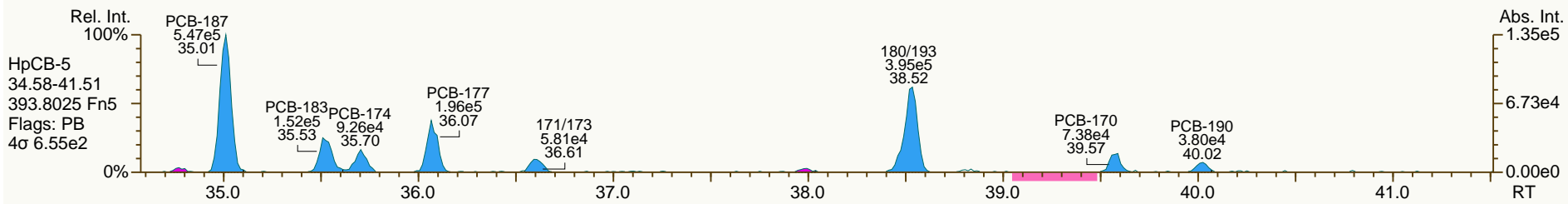
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

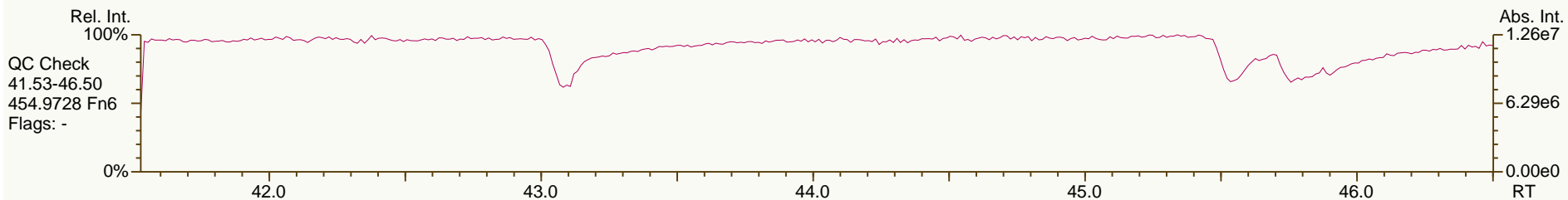
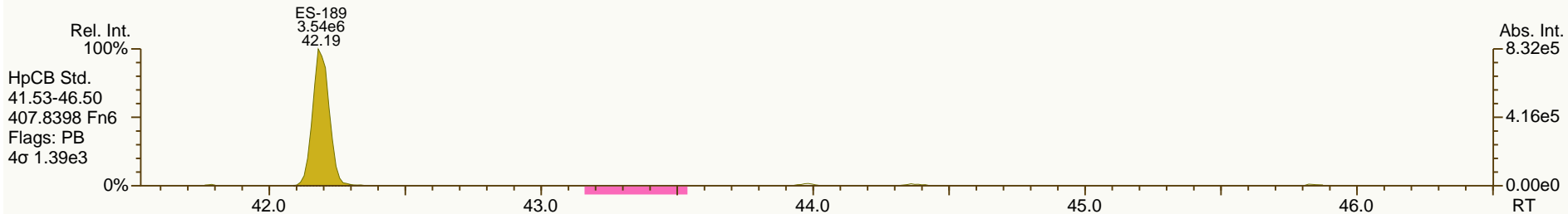
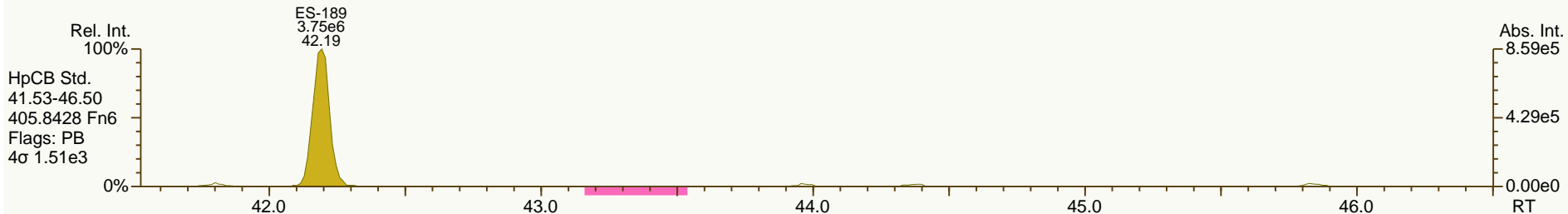
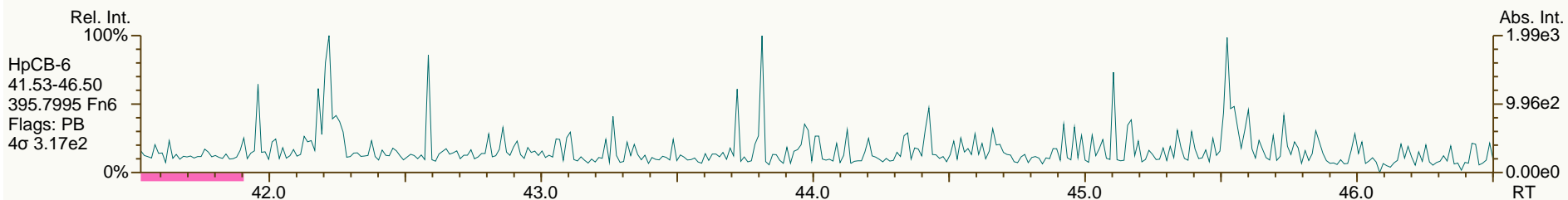
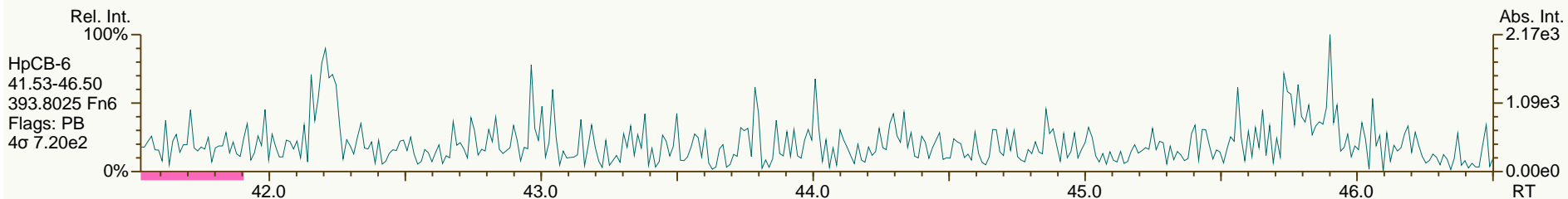
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

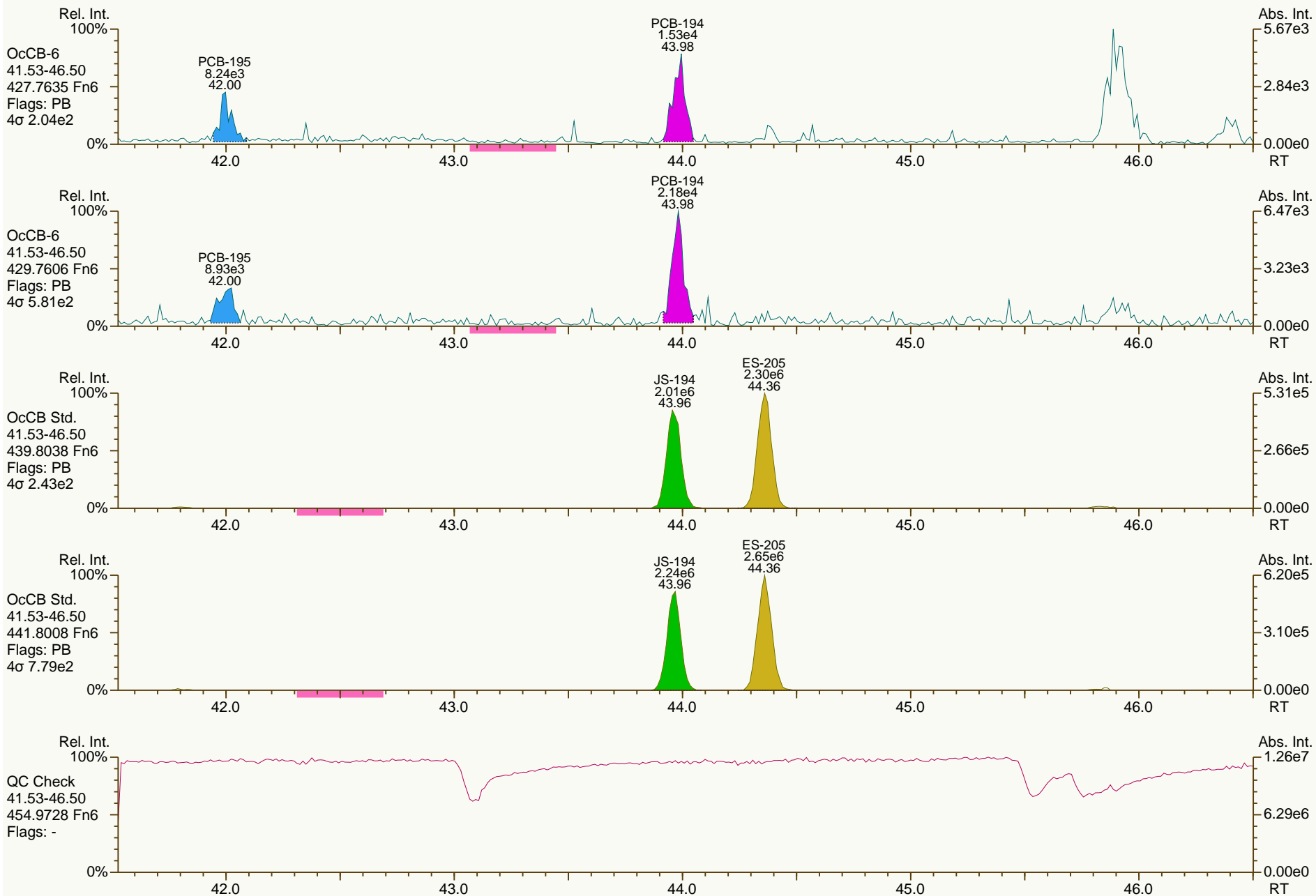
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 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TOISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

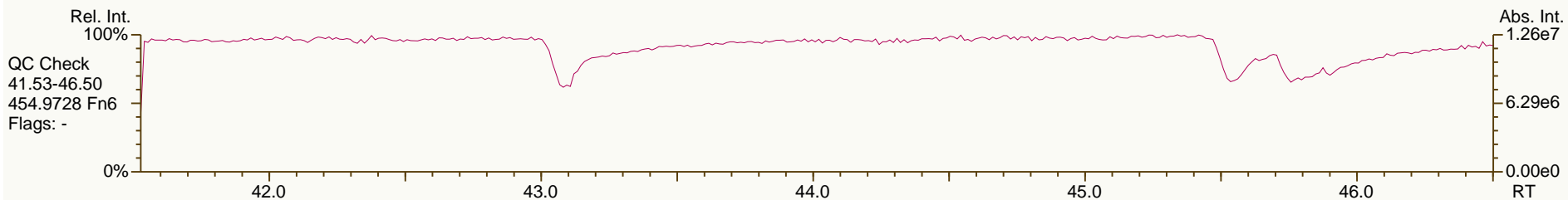
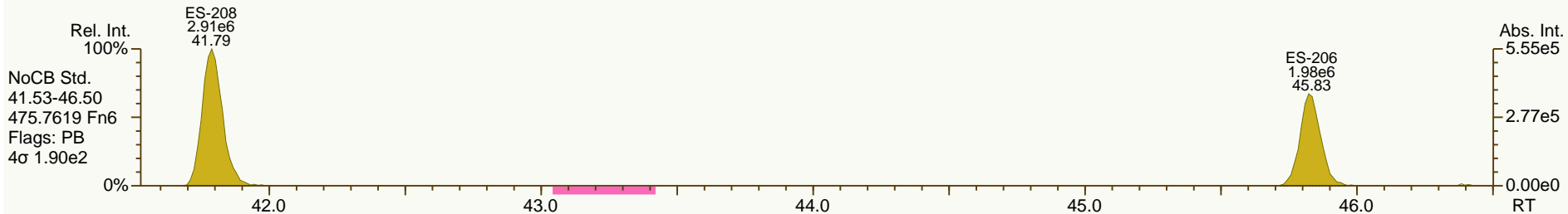
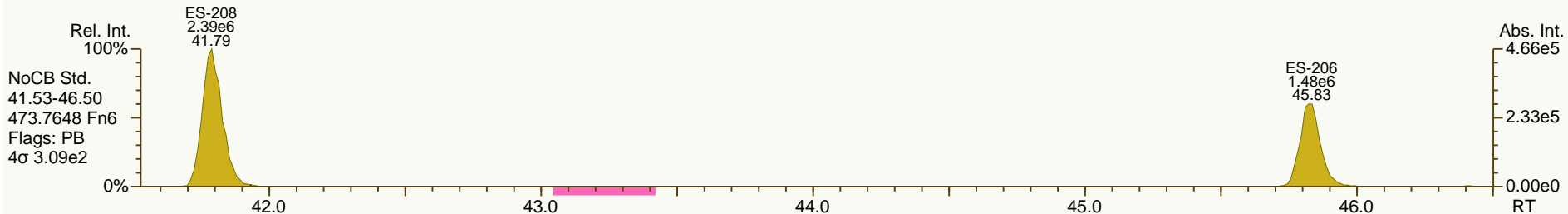
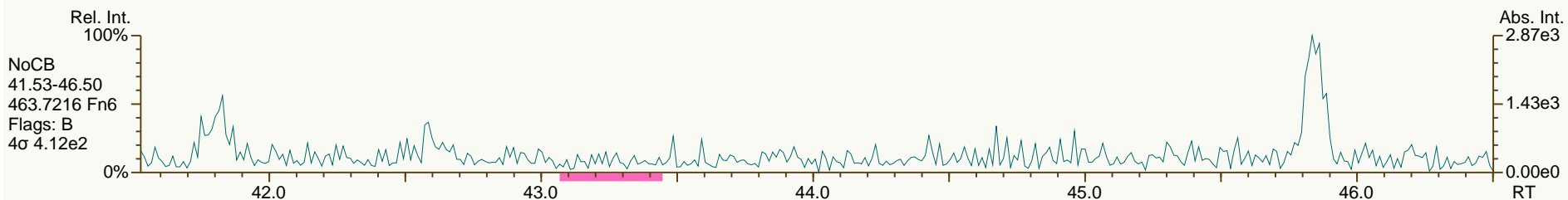
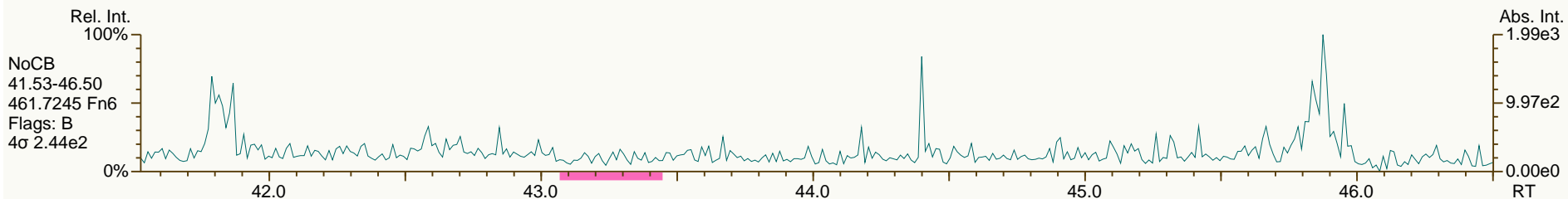
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

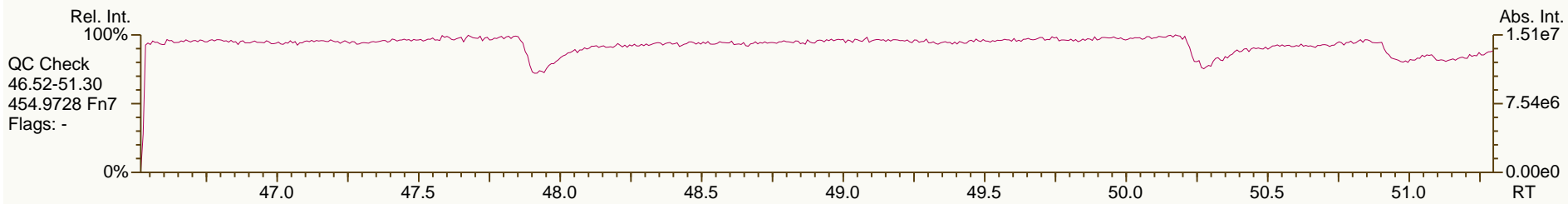
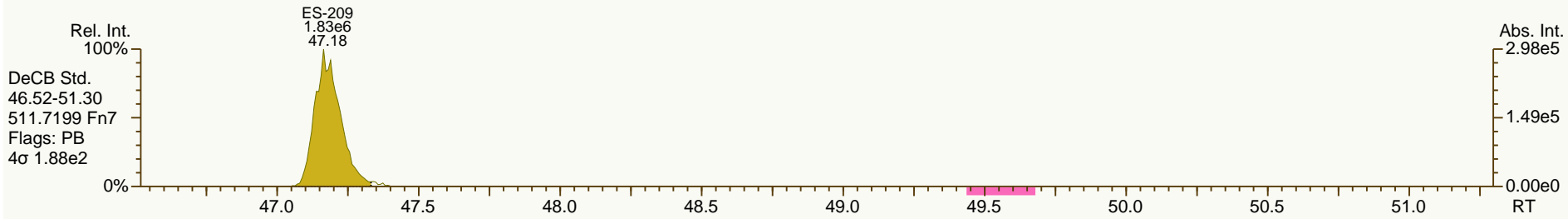
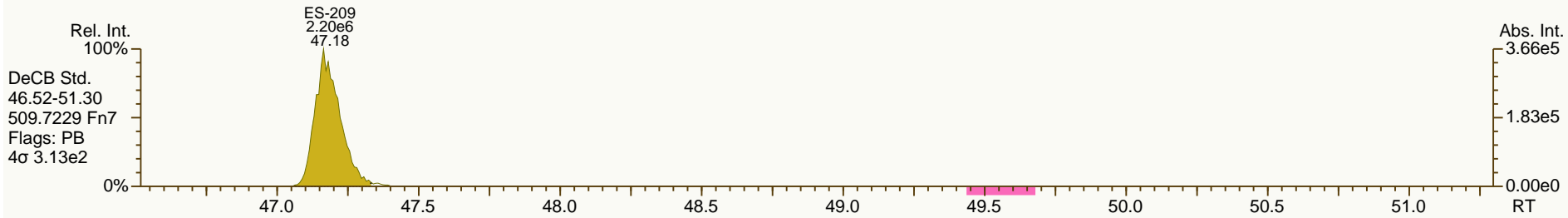
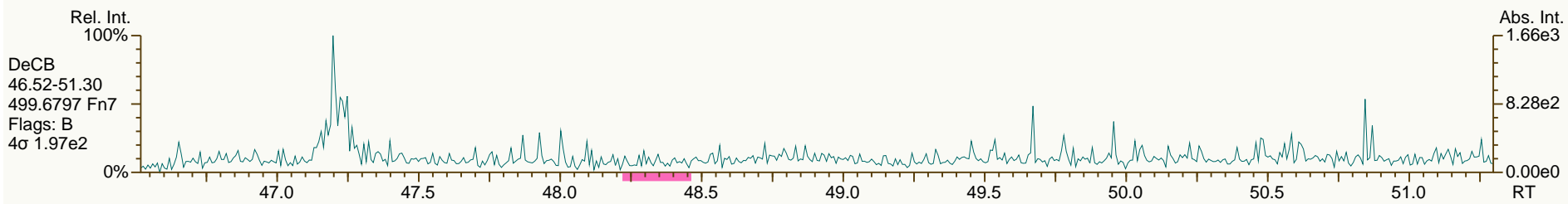
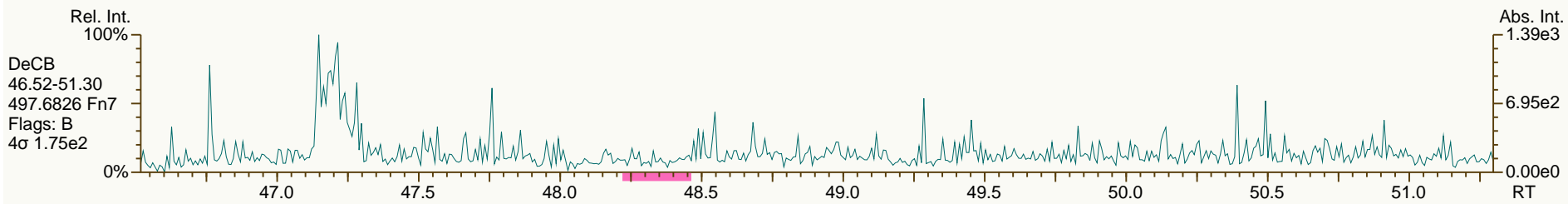
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

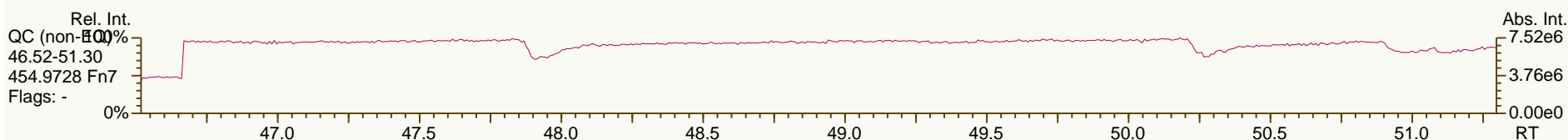
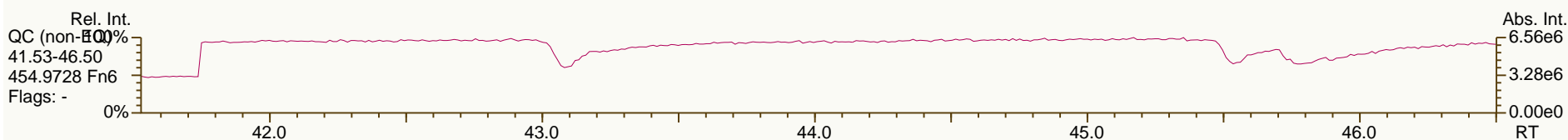
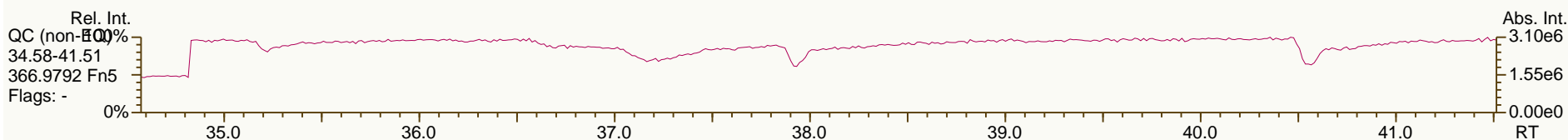
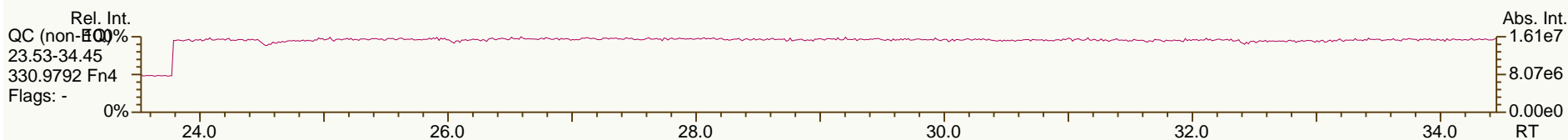
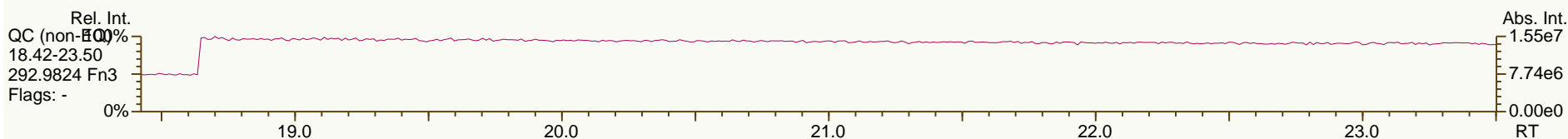
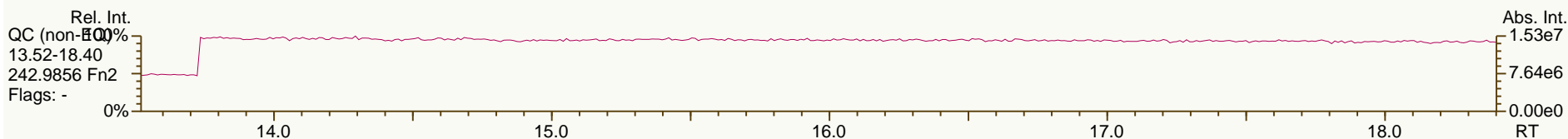
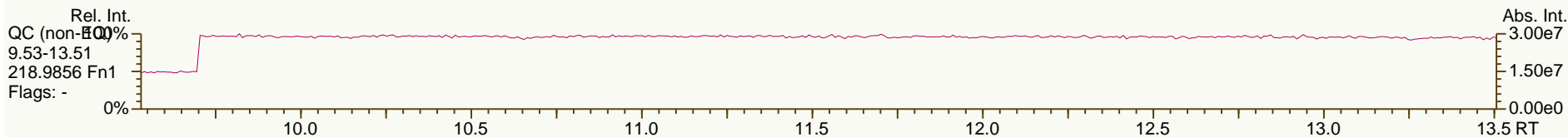
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AP Lab ID: A4369_9892_PCB_002
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 21

Acq: 03-Jul-2012 18:57:31
 User: LKB Datafile: 120703S08



Lab ID: A4369_9892_PCB_003
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 Checkcode: 181-066-NFQ
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	1.03E+05	0.82	1.22	1.32	1.39E+03	0.18
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.39E+03	0.176
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	5.43E+05	0.62	1.03	10.2	1.44E+03	0.271
PCB-114 2344'5'-PeCB	31.67	J EMPC	1.0007	1.0008	+0.2	4.02E+04	0.78	1.10	0.704	1.44E+03	0.261
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	1.42E+06	0.60	1.03	26.2	1.44E+03	0.261
PCB-123 23'44'5'-PeCB	30.96	J EMPC	1.0007	1.0009	+0.4	2.83E+04	0.42	0.93	0.606	1.44E+03	0.307
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.59E+03	0.256
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	1.78E+05	1.36	1.05	3.31	9.70E+02	0.244
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	9.32E+04	1.35	1.08	1.71	9.70E+02	0.184
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	9.70E+02	0.209
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	9.92E+02	0.165
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.63E+02	0.246
ES PCB-1	9.84		0.7181	0.7175	-0.4	1.16E+07	3.30	1.01	57.2 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	1.20E+07	3.29	1.05	56.8 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	7.32E+06	1.59	0.70	52.3 %	14%	107%
ES PCB-15	17.08		1.2453	1.2459	+0.6	1.49E+07	1.59	1.17	63.5 %	19%	107%
ES PCB-19	14.66		1.0698	1.0697	-0.1	7.07E+06	0.99	0.57	62.2 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	1.13E+07	1.08	1.41	80.3 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	8.27E+06	0.81	1.32	62.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3782	+0.9	1.18E+07	0.82	1.22	96.4 %	31%	109%
ES PCB-81	28.77		1.3557	1.3561	+0.7	1.16E+07	0.82	1.15	101 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	8.79E+06	1.55	1.69	57.2 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	9.58E+06	1.62	1.21	87.3 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	9.66E+06	1.68	1.23	86.1 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	9.72E+06	1.62	1.25	85.8 %	49%	111%
ES PCB-123	30.93		1.1444	1.1446	+0.4	9.36E+06	1.62	1.33	77.5 %	49%	116%
ES PCB-126	34.79		1.2871	1.2875	+0.8	1.07E+07	1.66	1.36	86.9 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	9.25E+06	1.28	1.40	80.1 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.91E+07	1.26	1.13	103 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	9.38E+06	1.22	1.13	101 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	8.38E+06	1.26	1.14	89.1 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7202	-0.4	7.83E+06	1.11	1.34	70.9 %	23%	125%
ES PCB-189	42.19		0.9598	0.9597	-0.3	1.09E+07	1.03	1.77	94.7 %	47%	116%
ES PCB-202	36.17		0.8230	0.8228	-0.4	8.75E+06	0.87	1.27	83.6 %	31%	134%
ES PCB-205	44.35		1.0090	1.0090	0	7.43E+06	0.90	1.25	91 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0425	+0.3	5.76E+06	0.78	1.07	82.6 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	7.93E+06	0.79	1.34	90.8 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	6.31E+06	1.20	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9270	+0.1	1.24E+07	1.06	0.98	112 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0844	+0.2	1.01E+07	1.59	0.90	120 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	5.89E+06	1.09	0.65	116 %	57%	125%
CS PCB-28	19.67		0.9269	0.9270	+0.1	1.24E+07	1.06	1.39	89.7 %	14%	131%
CS PCB-111	29.30		1.0843	1.0844	+0.2	1.01E+07	1.59	1.19	93 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	5.89E+06	1.09	0.87	82.5 %	57%	125%
JS PCB-9	13.71					2.00E+07	1.61				
JS PCB-52	21.21					1.00E+07	0.80				
JS PCB-101	27.02					9.10E+06	1.60				
JS PCB-138	33.82					8.23E+06	1.31				
JS PCB-194	43.96					6.53E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	4.06	4.06	0.2		
						Di-CBs	67.1	67.1	0.986		
						Tri-CBs	43.7	46.7	0.32		
						Tetra-CBs	127	129	0.169		
						Penta-CBs	236	238	0.266		
						Hexa-CBs	276	278	0.197		
						Hepta-CBs	95.5	103	0.287		
						Octa-CBs	23	23	0.234		
						Nona-CBs	0	0	0.331		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	8.65E+04	3.24	1.20	1.15	2.50E+03	0.176
PCB-2 3-MoCB	11.62		0.9878	0.9879	+0.1	1.30E+05	3.28	1.14	1.76	2.50E+03	0.221
PCB-3 4-MoCB	11.77		1.0010	1.0008	-0.1	8.42E+04	3.57	1.13	1.15	2.50E+03	0.224
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	9.98E+04	SI	0.94	2.68	8.28E+03	1.4
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	3.08E+04	2.95
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.48E+04	2.93
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.48E+04	2.49
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	9.09E+04	SI	0.96	1.18	5.49E+03	0.603
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.48E+04	2.77
PCB-8 24'-DiCB	14.44		1.0533	1.0536	+0.3	2.99E+05	SI	1.01	3.68	5.49E+03	0.572
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.48E+04	2.37
PCB-11 33'-DiCB	16.57	B	0.9701	0.9701	0	4.39E+06	1.50	0.94	58.3	2.48E+04	2.78
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.48E+04	2.77
PCB-15 44'-DiCB	17.09		1.0008	1.0008	0	1.06E+05	SI	1.01	1.32	5.49E+03	0.574

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68	J	1.0011	1.0013	+0.2	3.03E+04	1.12	1.01	0.787	1.76E+03	0.315
PCB-30/18 246/22'5-TrCB	16.30	B C	1.1110	1.1115	+0.5	2.92E+05	1.14	1.23	6.25	1.76E+03	0.26
PCB-17 22'4-TrCB	16.66	EMPC	1.1357	1.1359	+0.2	1.18E+05	1.20	1.05	2.97	1.76E+03	0.304
PCB-27 23'6-TrCB	16.83	J	1.1479	1.1479	0	4.22E+04	1.04	1.38	0.805	1.76E+03	0.231
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.30	ND	1.76E+03	0.245
PCB-16 22'3-TrCB	17.03		1.1612	1.1615	+0.3	9.31E+04	1.01	0.85	2.86	1.76E+03	0.373
PCB-32 24'6-TrCB	17.49		1.1923	1.1925	+0.2	1.21E+05	0.95	1.46	2.16	1.76E+03	0.217
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.55E+03	0.314
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.55E+03	0.306
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	1.80E+05	1.03	1.29	2.29	2.55E+03	0.303
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	9.60E+04	1.05	1.29	1.22	2.55E+03	0.303
PCB-31 24'5-TrCB	19.44		0.8430	0.8429	-0.1	6.40E+05	1.11	1.33	7.89	2.55E+03	0.294
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8538	-0.5	7.70E+05	1.06	1.26	10	2.55E+03	0.31
PCB-21/33 234/23'4'-TrCB	19.88	B C	0.8612	0.8621	+1.1	2.53E+05	1.06	1.31	3.17	2.55E+03	0.298
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	2.18E+05	1.08	1.21	2.94	2.55E+03	0.321
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9351	0	2.46E+04	0.99	1.26	0.32	2.55E+03	0.31
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.55E+03	0.295
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.55E+03	0.33
PCB-35 33'4-TrCB	22.73	J	0.9860	0.9859	-0.1	5.17E+04	0.94	1.15	0.735	2.55E+03	0.339
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	1.69E+05	0.99	1.20	2.3	2.55E+03	0.325
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.20E+02	0.137
PCB-50/53 22'46/22'56'-TeCB	19.18	J C	0.9051	0.9041	-1.2	8.97E+04	0.74	0.83	1.74	8.73E+02	0.167
PCB-45 22'36-TeCB	19.74		0.9304	0.9306	+0.2	5.83E+04	0.78	0.68	1.37	8.73E+02	0.204
PCB-51 22'46'-TeCB	19.82	J EMPC	0.9340	0.9341	+0.1	3.55E+04	0.94	0.84	0.677	8.73E+02	0.165
PCB-46 22'36'-TeCB	20.01	J	0.9429	0.9430	+0.1	2.71E+04	0.85	0.68	0.638	8.73E+02	0.204
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	1.08E+06	0.79	0.76	22.9	8.73E+02	0.183
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	8.73E+02	0.142
PCB-43 22'35-TeCB	21.44	J	1.0106	1.0105	-0.1	2.12E+04	0.89	0.70	0.482	8.73E+02	0.196
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0206	+1.0	5.78E+05	0.75	0.94	9.88	8.73E+02	0.148
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	1.13E+05	0.83	0.77	2.36	8.73E+02	0.18
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0411	-0.7	8.39E+05	0.75	0.83	16.1	8.73E+02	0.166
PCB-59/62/75 ...-TeCB	22.36	J C	1.0541	1.0541	0	1.34E+05	0.74	1.06	2.02	8.73E+02	0.13
PCB-42 22'34'-TeCB	22.52		1.0612	1.0614	+0.3	1.80E+05	0.72	0.72	4.02	8.73E+02	0.193
PCB-41 22'34-TeCB	22.83		1.0759	1.0762	+0.4	4.15E+04	0.86	0.64	1.04	8.73E+02	0.216
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	2.69E+05	0.76	0.80	5.36	8.73E+02	0.173
PCB-64 234'6-TeCB	23.12		1.0899	1.0900	+0.1	3.98E+05	0.79	1.10	5.8	8.73E+02	0.126
PCB-72 23'55'-TeCB	23.86	J EMPC	0.8295	0.8293	-0.3	3.97E+04	1.04	1.12	0.567	1.39E+03	0.196
PCB-68 23'45'-TeCB	24.11	J EMPC	0.8379	0.8381	+0.3	2.49E+04	0.58	1.22	0.327	1.39E+03	0.18
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.39E+03	0.201
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.11	ND	1.39E+03	0.197
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.02E+05	0.73	1.17	1.4	1.39E+03	0.187
PCB-63 234'5-TeCB	25.02	J	0.8697	0.8695	-0.3	4.81E+04	0.67	1.22	0.629	1.39E+03	0.18
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8797	+0.8	1.76E+06	0.77	1.13	24.8	1.39E+03	0.194
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	1.05E+06	0.73	1.06	15.9	1.39E+03	0.207
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.09	ND	1.39E+03	0.201

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9078	-0.3	4.03E+05	0.75	1.06	6.07	1.39E+03	0.207
PCB-60 2344'-TeCB	26.30		0.9144	0.9143	-0.2	2.10E+05	0.78	1.09	3.08	1.39E+03	0.201
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.39E+03	0.179
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9715	-0.5	2.40E+04	0.57	1.21	0.318	1.39E+03	0.182
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.39E+03	0.216
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.15E+03	0.239
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.89	ND	1.15E+03	0.246
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.83	ND	1.44E+03	0.345
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.44E+03	0.395
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	1.08E+06	0.58	0.75	28.5	1.44E+03	0.378
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J C	0.9158	0.9161	+0.4	2.31E+04	0.66	0.77	0.596	1.44E+03	0.37
PCB-102 22'456'-PeCB	24.86	J	0.9198	0.9199	+0.1	3.89E+04	0.61	0.88	0.875	1.44E+03	0.323
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.44E+03	0.419
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.44E+03	0.421
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9354	+0.3	1.87E+05	0.68	0.85	4.38	1.44E+03	0.336
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	2.06E+05	0.60	0.66	6.24	1.44E+03	0.434
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.44E+03	0.415
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.44E+03	0.283
PCB-92 22'355'-PeCB	26.55		0.9825	0.9826	+0.2	5.04E+05	0.64	0.71	14.1	1.44E+03	0.4
PCB-113/90/101 ...-PeCB	27.04	C	0.9999	1.0008	+1.5	1.80E+06	0.61	0.86	41.5	1.44E+03	0.331
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	1.00E+05	0.65	0.62	3.2	1.44E+03	0.459
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.01E+06	0.62	0.77	26.2	1.44E+03	0.371
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.44E+03	0.275
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0354	+1.2	9.42E+05	0.60	0.89	21	1.44E+03	0.32
PCB-117 234'56'-PeCB	28.49		1.0539	1.0542	+0.5	7.25E+04	0.67	0.70	2.05	1.44E+03	0.405
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0566	0	2.81E+05	0.64	0.98	5.67	1.44E+03	0.289
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	1.80E+06	0.62	0.97	36.8	1.44E+03	0.294
PCB-115 2344'6'-PeCB	28.78	J	1.0644	1.0649	+0.9	4.44E+04	0.55	1.00	0.877	1.44E+03	0.284
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	1.21E+05	0.65	0.63	3.82	1.44E+03	0.452
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.44E+03	0.283
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.44E+03	0.279
PCB-107/124 ...-PeCB	30.66	J C	0.9909	0.9911	+0.4	6.77E+04	0.55	0.95	1.41	1.44E+03	0.299
PCB-109 233'46'-PeCB	30.86		0.9976	0.9977	+0.2	1.51E+05	0.60	1.05	2.86	1.44E+03	0.271
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.44E+03	0.292
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.44E+03	0.313
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.44E+03	0.283
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	8.00E+02	0.15
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.00E+02	0.162
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	8.00E+02	0.159
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	2.50E+05	1.27	0.92	5.46	8.00E+02	0.173
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	8.00E+02	0.17
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	8.00E+02	0.22
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	9.09E+05	1.21	0.71	25.6	8.00E+02	0.222
PCB-154 22'44'56'-HxCB	29.72		1.1067	1.1070	+0.5	6.04E+04	1.28	0.79	1.53	8.00E+02	0.2
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1159	+0.2	7.52E+04	1.15	0.72	2.1	8.00E+02	0.221

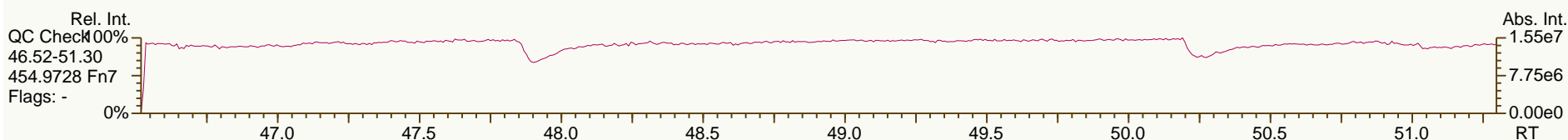
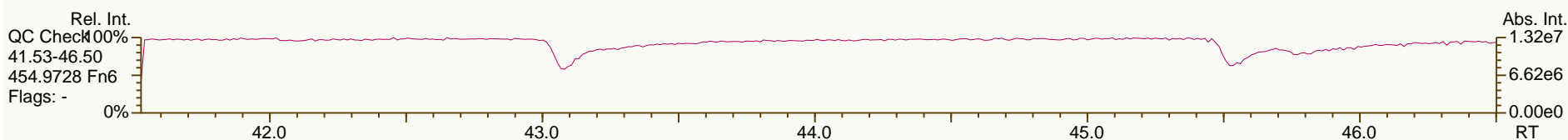
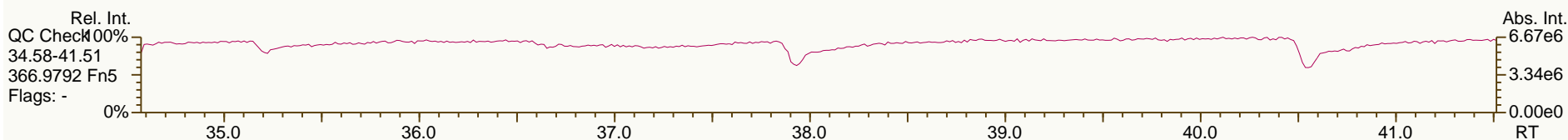
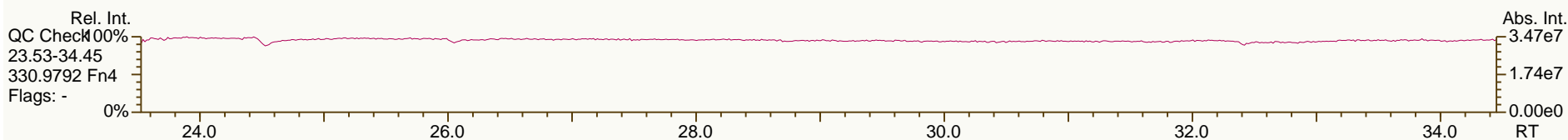
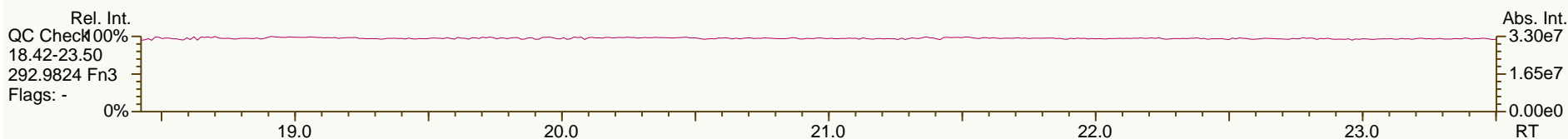
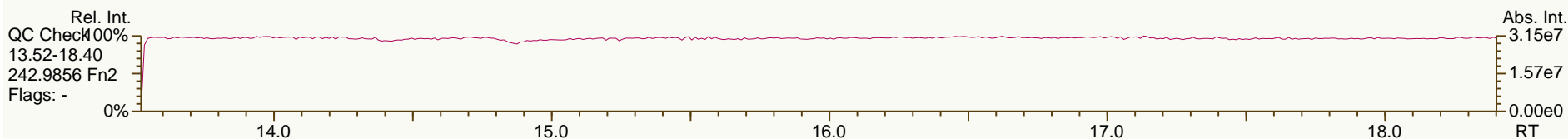
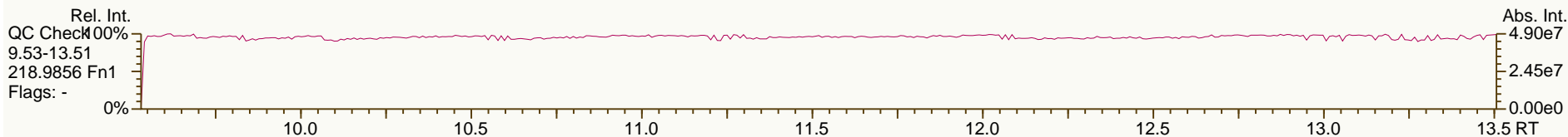
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	1.69E+06	1.32	0.73	46.1	8.00E+02	0.216
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1329	+0.5	1.05E+05	1.23	0.60	3.51	8.00E+02	0.264
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	8.00E+02	0.228
PCB-139/140 ...-HxCB	30.76	J EMPC C	1.1458	1.1460	+0.4	4.50E+04	1.03	0.75	1.21	8.00E+02	0.212
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.62	ND	8.00E+02	0.255
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.00E+02	0.235
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	4.06E+05	1.28	0.67	12.1	8.00E+02	0.237
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1830	+0.8	1.24E+05	1.23	0.66	3.76	8.00E+02	0.239
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	8.00E+02	0.192
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	7.52E+05	1.26	0.72	20.8	8.00E+02	0.219
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	8.00E+02	0.168
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	2.68E+06	1.33	0.89	60.5	8.00E+02	0.178
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	1.51E+05	1.23	0.67	4.53	8.00E+02	0.237
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9847	0	2.05E+05	1.12	0.61	6.69	8.00E+02	0.258
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9903	-0.2	1.07E+05	1.38	0.72	2.98	8.00E+02	0.22
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9930	0	2.12E+05	1.17	0.93	4.55	8.00E+02	0.17
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.23E+06	1.23	0.76	59	8.00E+02	0.209
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	8.00E+02	0.174
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0107	+0.2	2.45E+05	1.27	0.96	5.12	8.00E+02	0.165
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	3.20E+05	1.29	0.90	7.02	9.70E+02	0.221
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	9.70E+02	0.188
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	9.70E+02	0.182
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	9.64E+02	0.237
PCB-179 22'33'566"-HpCB	31.94	EMPC	1.0089	1.0089	0	2.79E+05	1.24	1.09	6.05	9.64E+02	0.23
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	9.64E+02	0.24
PCB-176 22'33'466"-HpCB	32.68	EMPC	1.0324	1.0324	0	6.79E+04	1.50	1.17	1.37	9.64E+02	0.215
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	9.64E+02	0.223
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0816	0	3.35E+05	1.13	0.82	9.68	9.64E+02	0.308
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	3.52E+04	1.17	0.86	0.968	1.33E+03	0.404
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.19E+06	1.06	0.91	31.1	1.33E+03	0.382
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.33E+03	0.374
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1222	+0.6	3.26E+05	0.99	1.00	7.74	1.33E+03	0.348
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.33E+03	0.415
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.79E+05	1.05	0.77	5.52	1.33E+03	0.453
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	4.02E+05	1.03	0.77	12.4	1.33E+03	0.453
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.33E+03	0.388
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	1.11E+05	0.95	0.80	3.29	1.33E+03	0.434
PCB-172 22'33'455"-HpCB	37.98	J	0.9003	0.9003	0	2.86E+04	1.09	0.72	0.68	1.33E+03	0.344
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.33E+03	0.271
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9131	+0.9	9.00E+05	1.13	0.84	18.2	1.33E+03	0.293
PCB-191 233'44'5'6"-HpCB	38.82	J	0.9203	0.9202	-0.2	2.75E+04	1.08	0.94	0.499	1.33E+03	0.263
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9379	-0.2	1.66E+05	1.02	0.70	4.05	1.33E+03	0.354
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9487	+0.2	7.70E+04	1.05	0.91	1.44	1.33E+03	0.27
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0006	0	2.50E+05	0.88	0.83	6.41	9.36E+02	0.272
PCB-201 22'33'45'66"-OoCB	36.96		1.0221	1.0220	-0.2	7.04E+04	0.85	0.95	1.58	9.36E+02	0.238

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	9.36E+02	0.249
PCB-197 22'33'44'66'-OcCB	37.73	J	1.0431	1.0431	0	2.06E+04	0.77	0.88	0.494	9.36E+02	0.255
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	9.36E+02	0.269
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1108	+1.4	2.44E+05	0.90	0.67	7.67	9.36E+02	0.334
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1260	0	7.41E+04	1.02	0.68	2.3	9.36E+02	0.329
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1308	+0.5	7.78E+04	0.85	0.72	2.29	9.36E+02	0.313
PCB-195 22'33'44'56-OcCB	41.99	J	0.9469	0.9468	-0.3	2.05E+04	0.91	0.66	0.778	7.79E+02	0.326
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	4.20E+04	0.97	0.72	1.45	7.79E+02	0.296
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.79E+02	0.196
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	9.28E+02	0.282
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.28E+02	0.278
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	9.28E+02	0.379

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 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

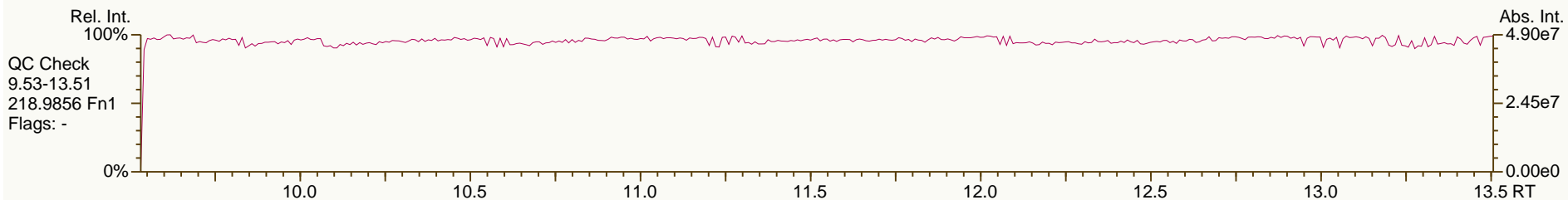
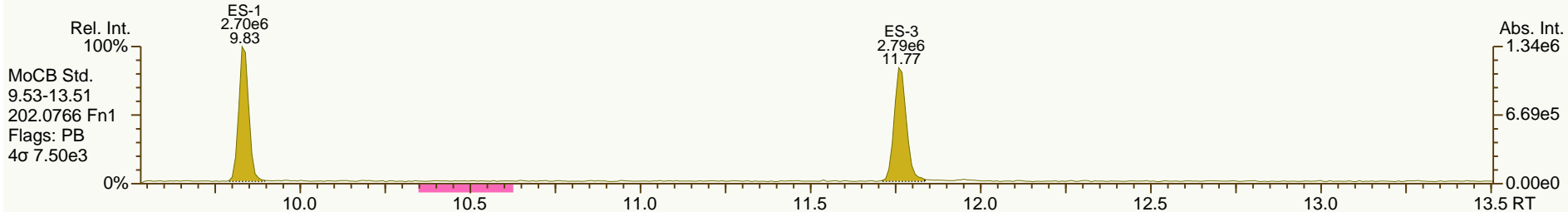
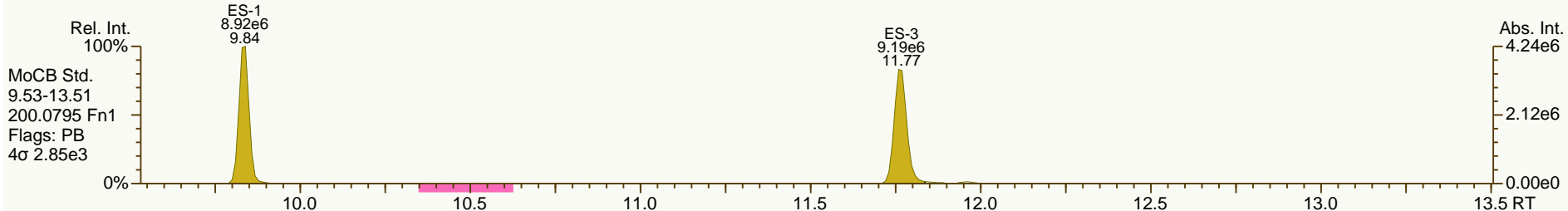
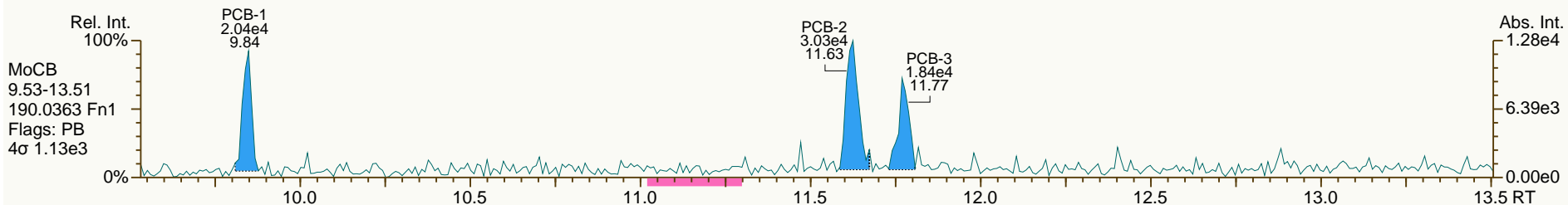
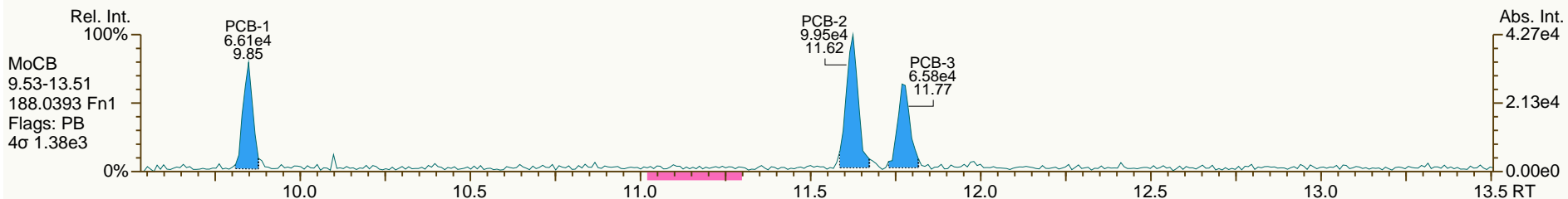
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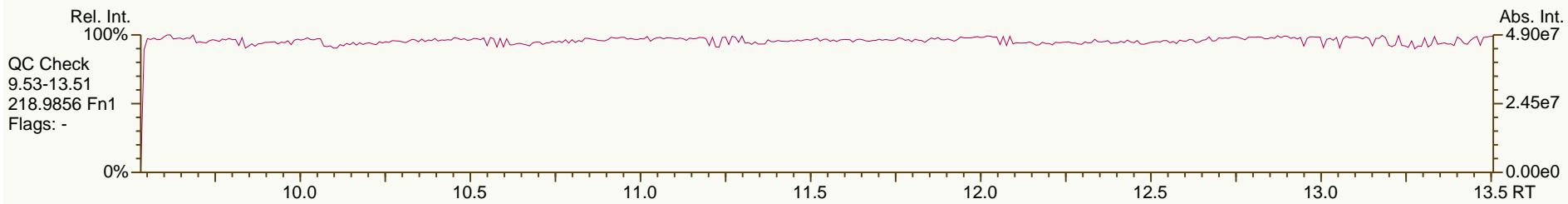
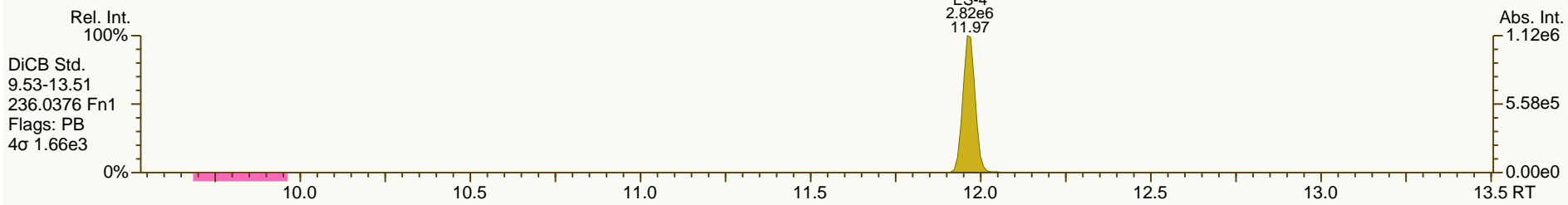
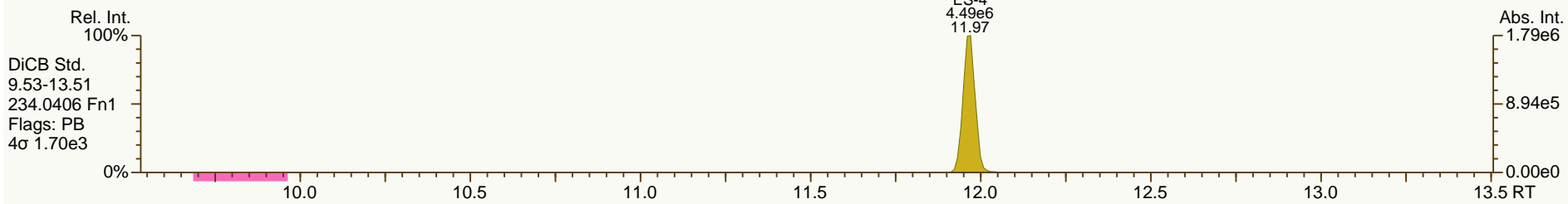
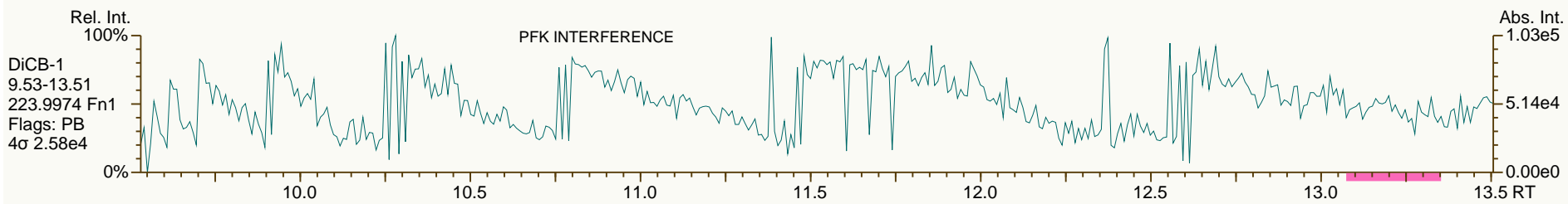
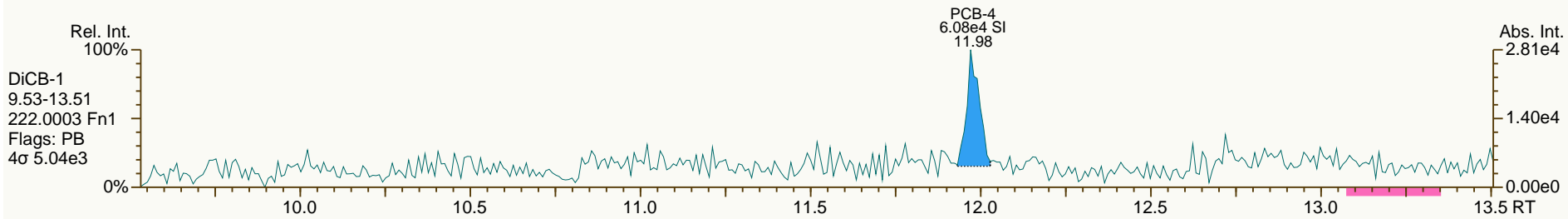
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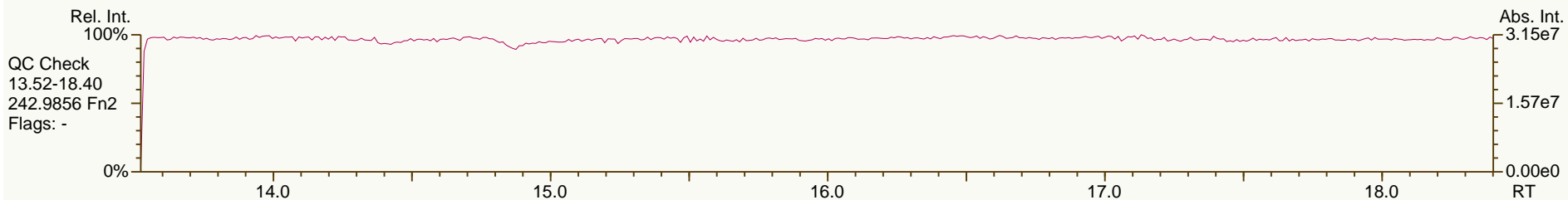
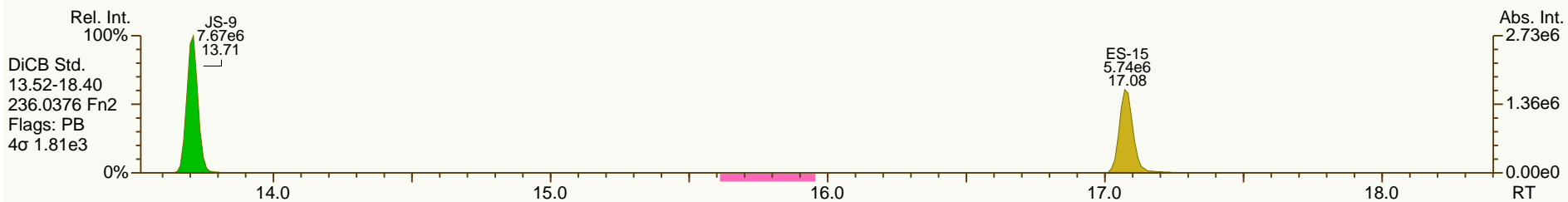
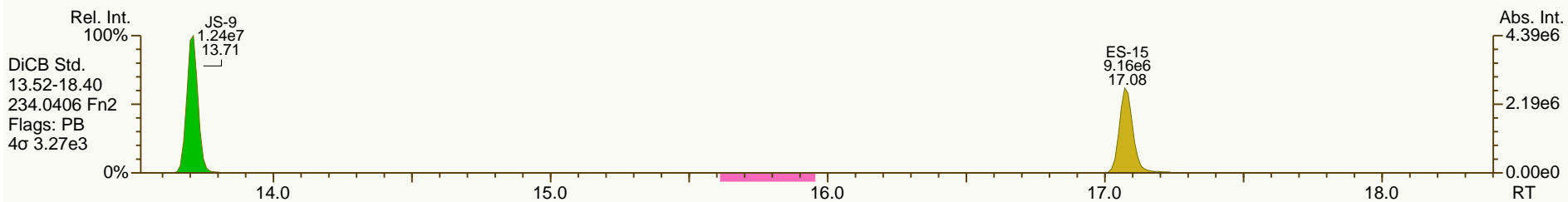
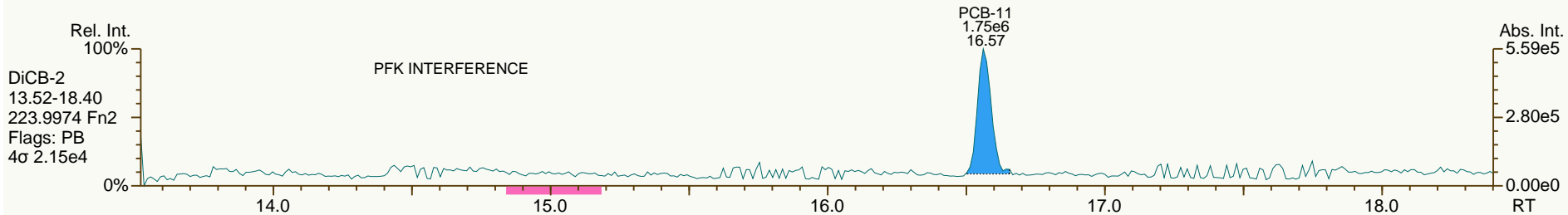
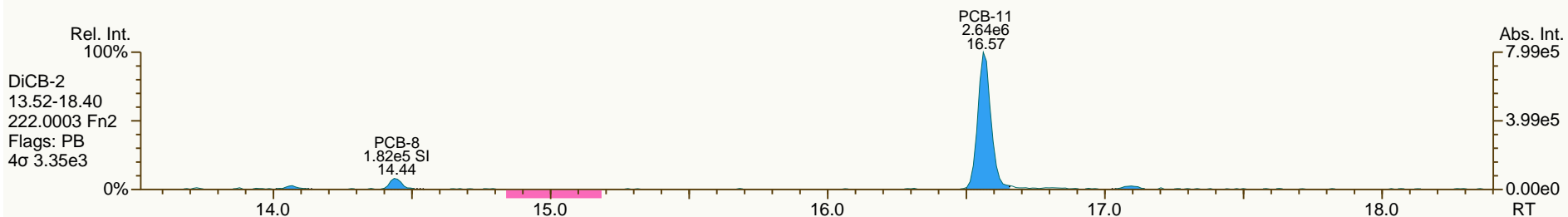
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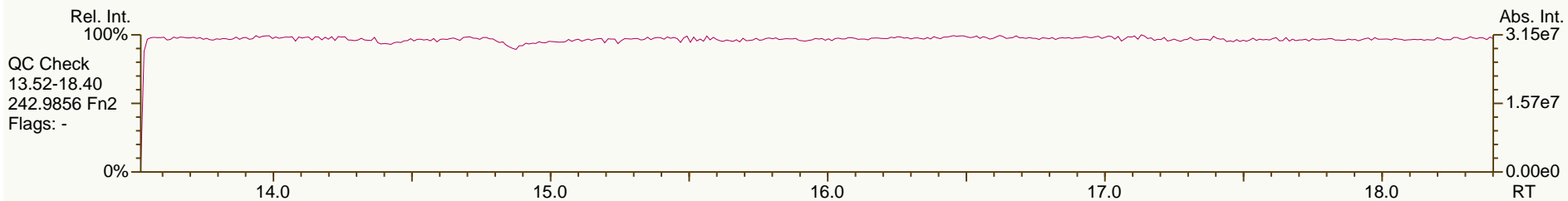
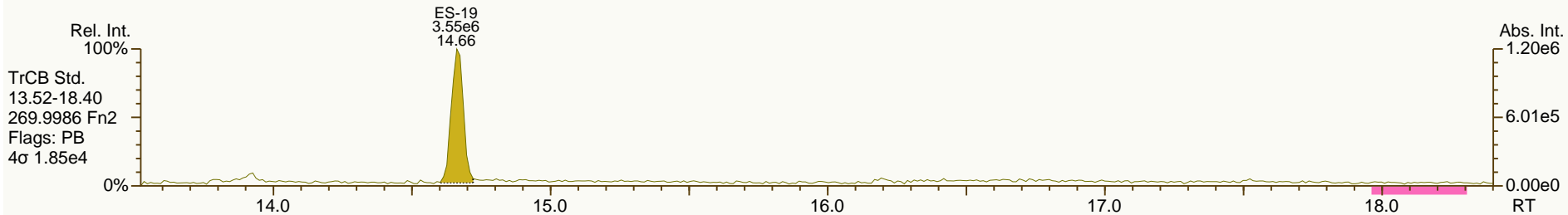
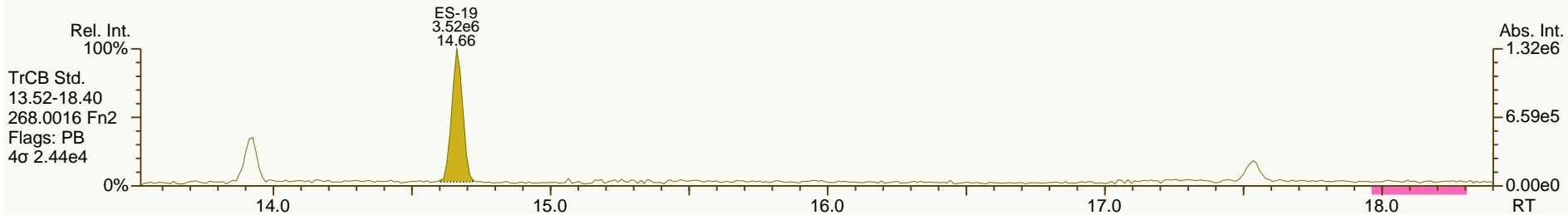
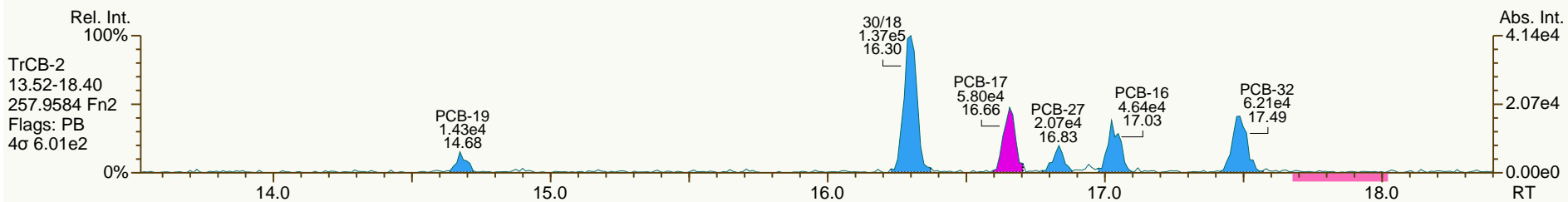
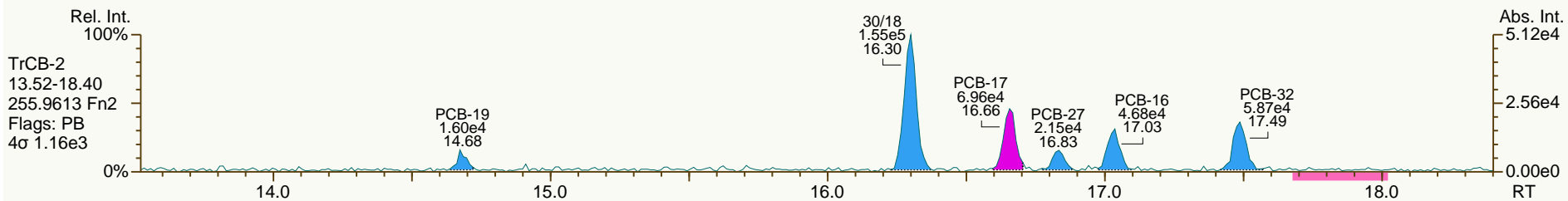
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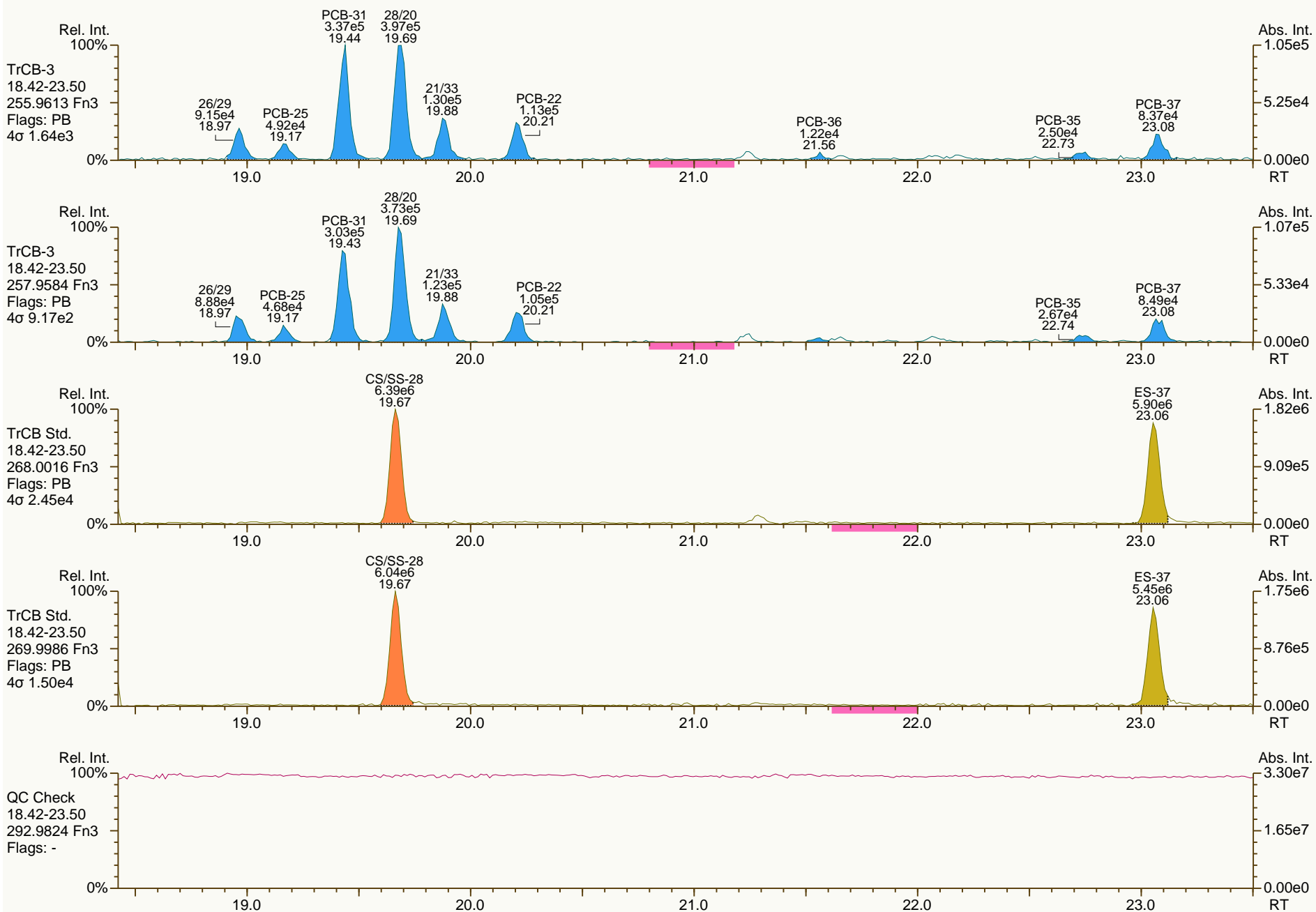
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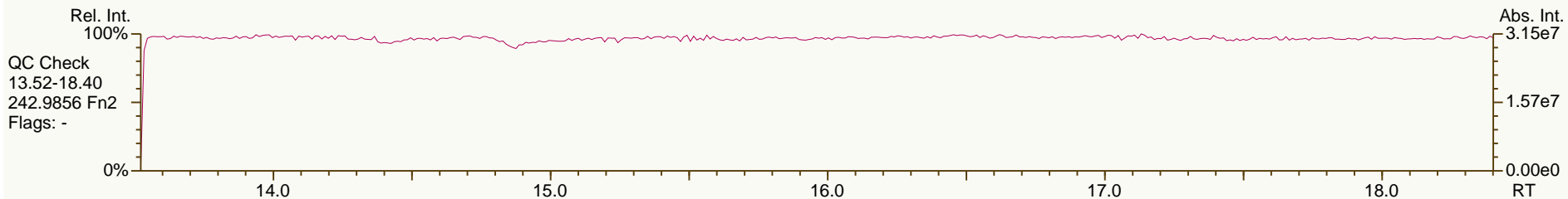
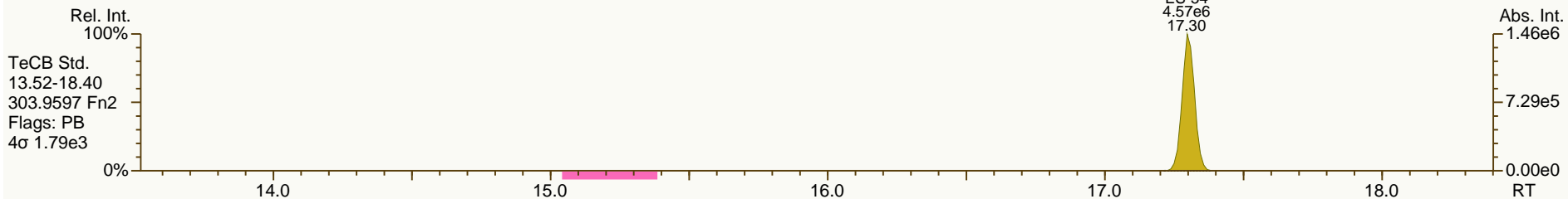
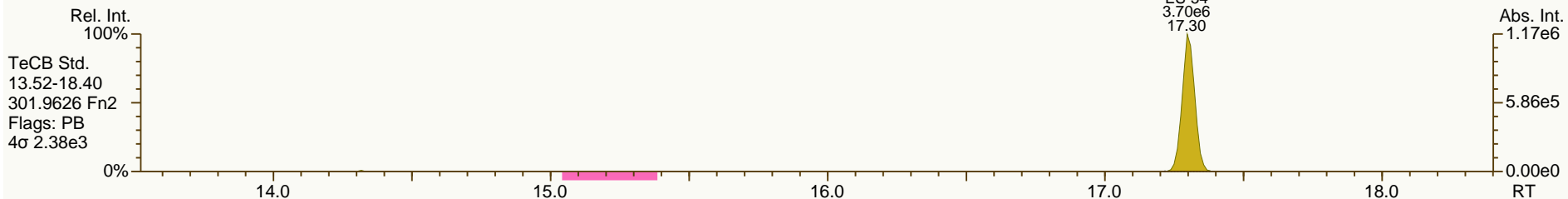
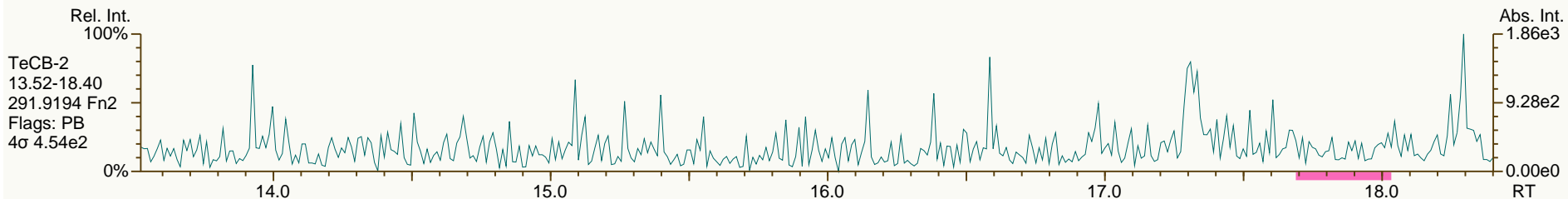
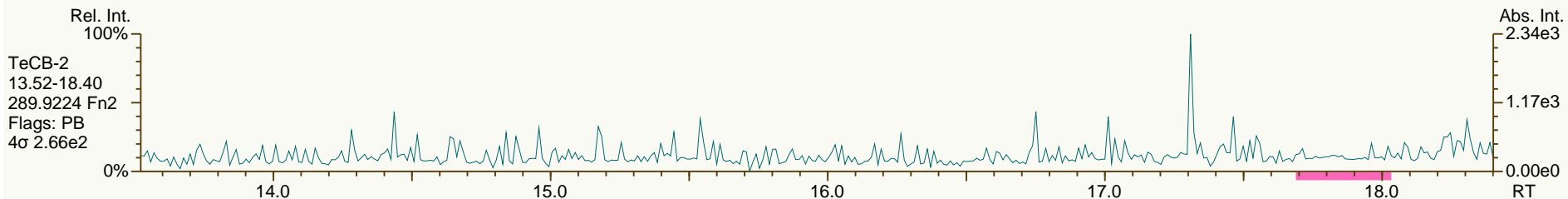
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Sample ID: JW-RG-TISSUE-120508
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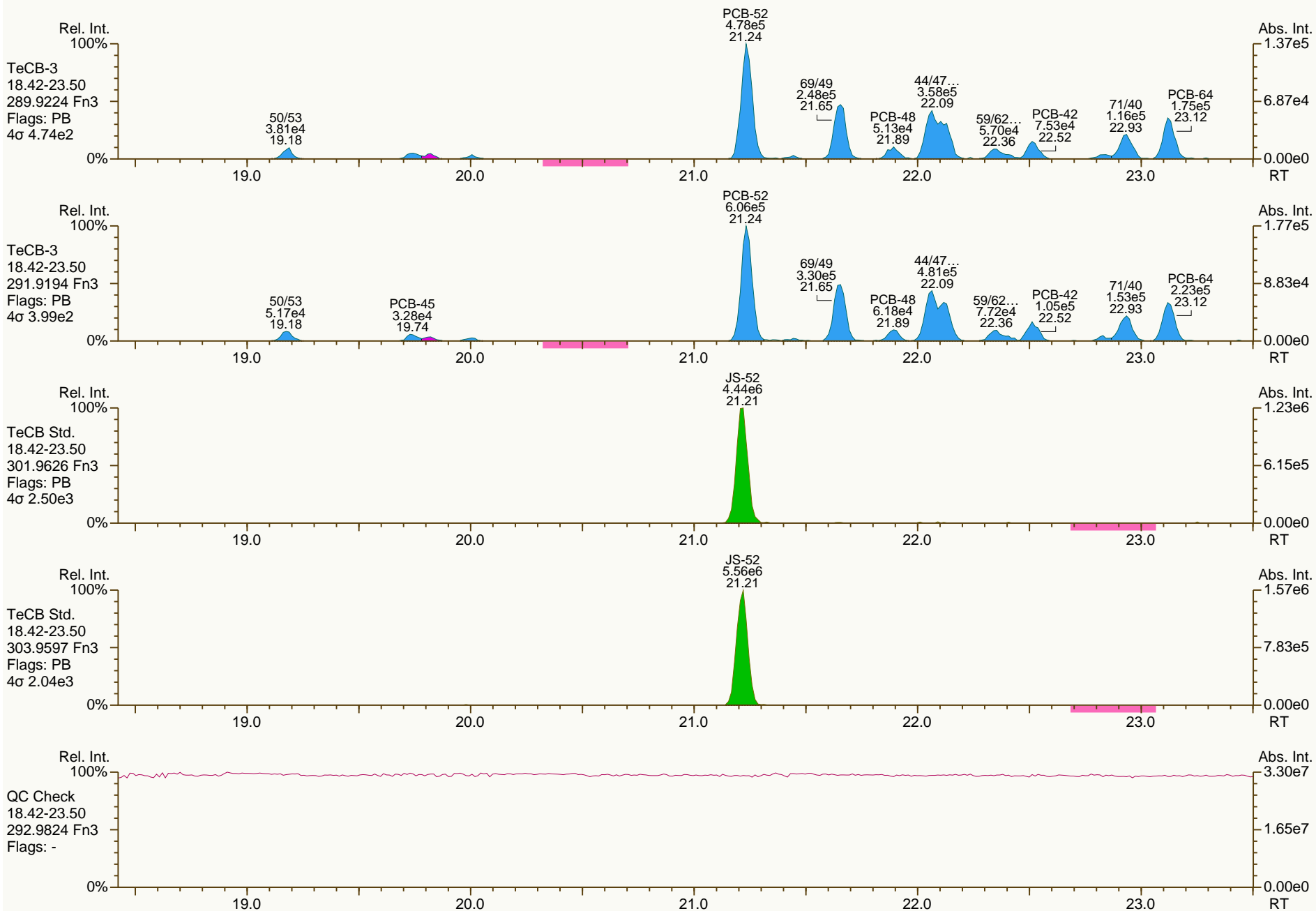
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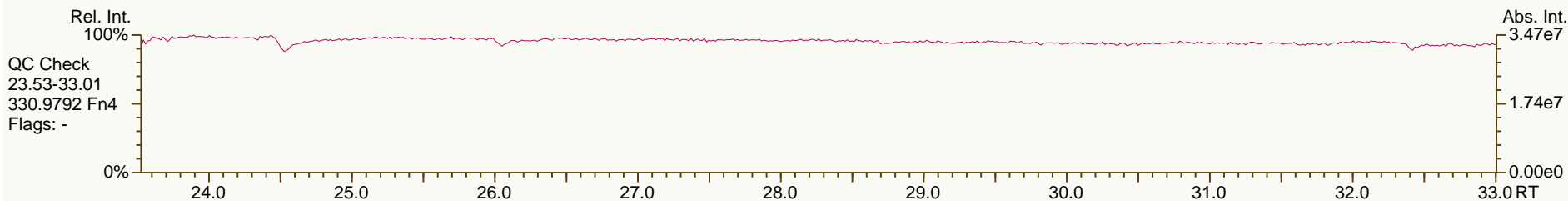
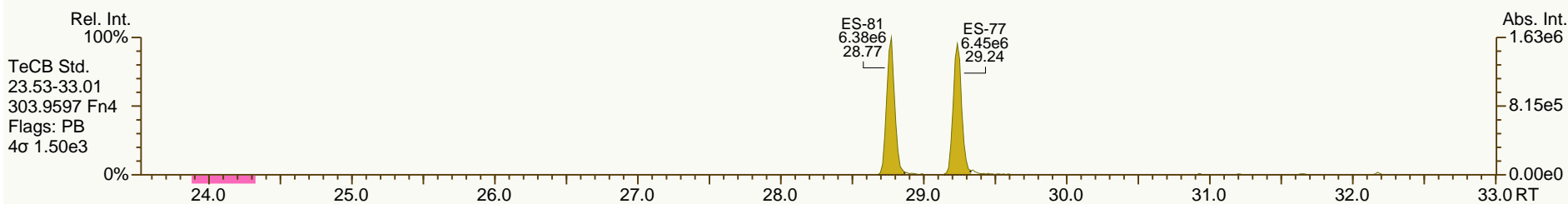
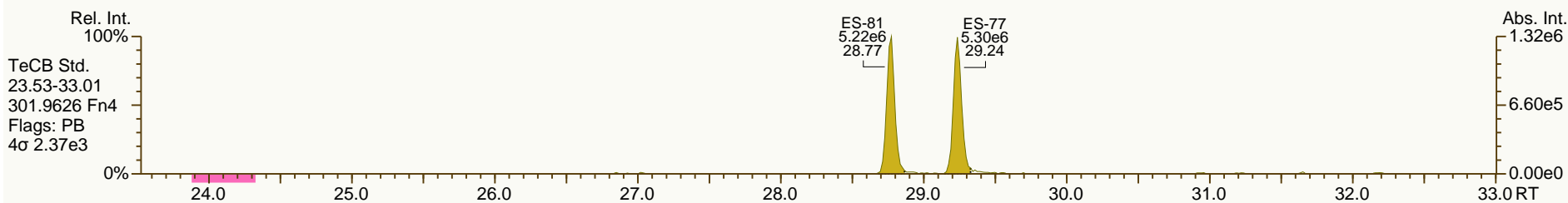
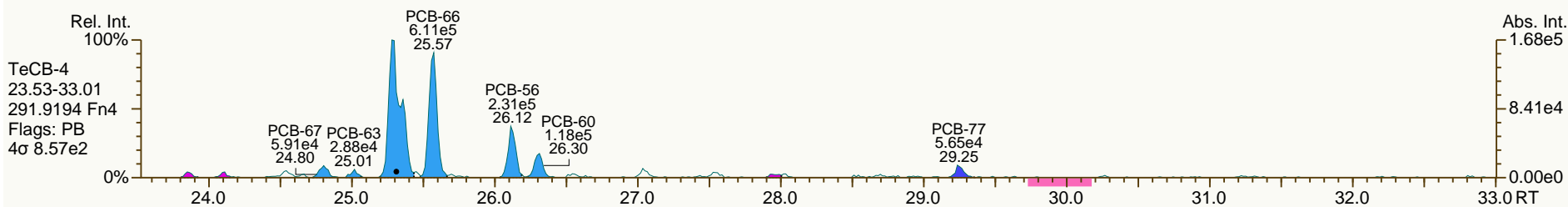
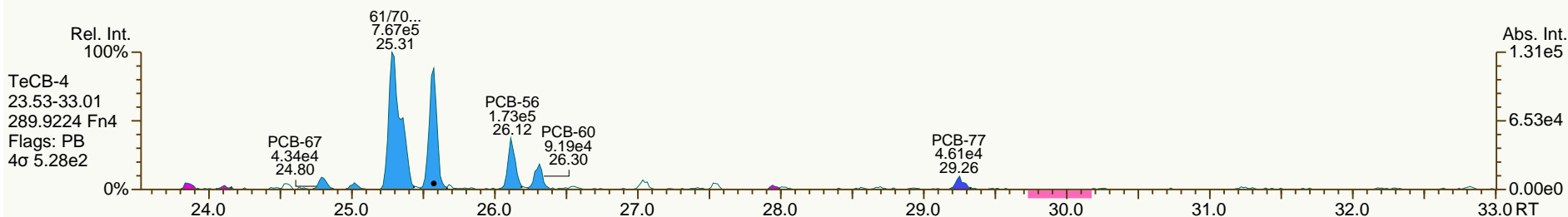
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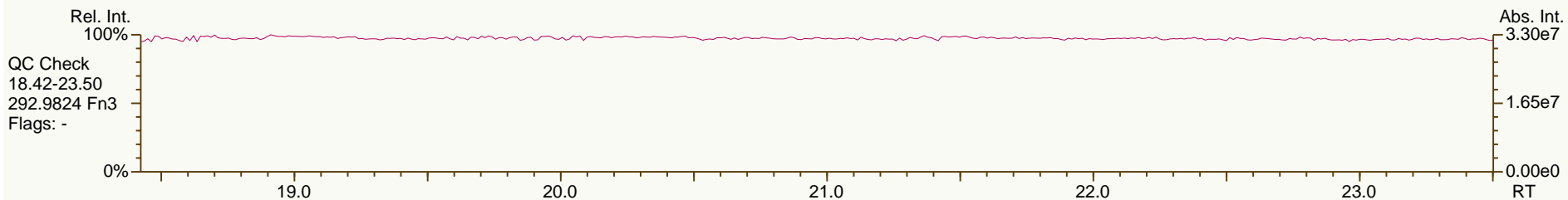
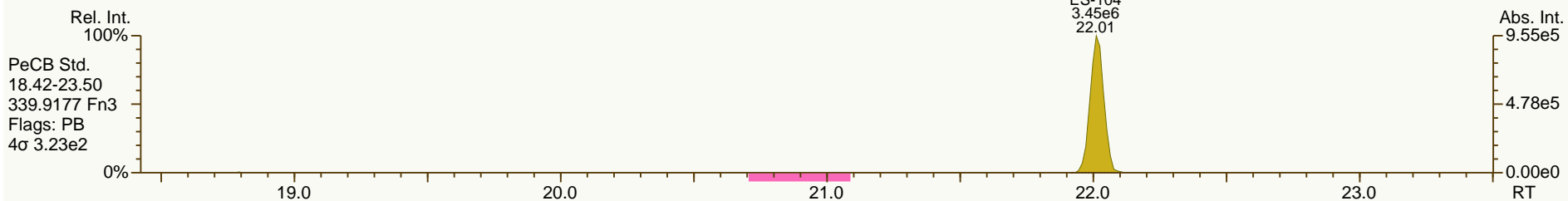
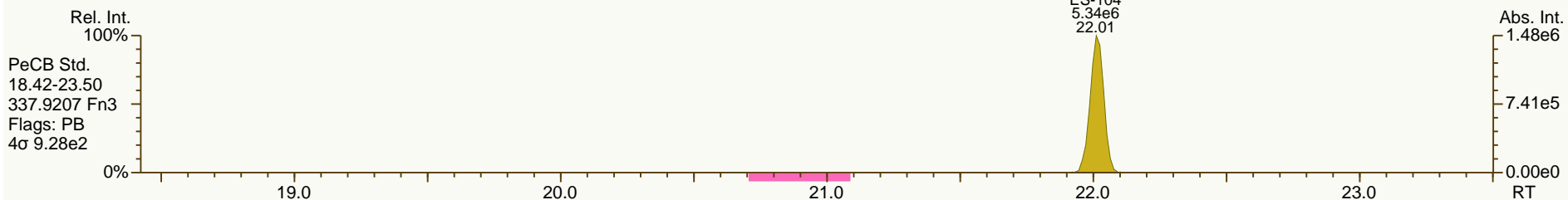
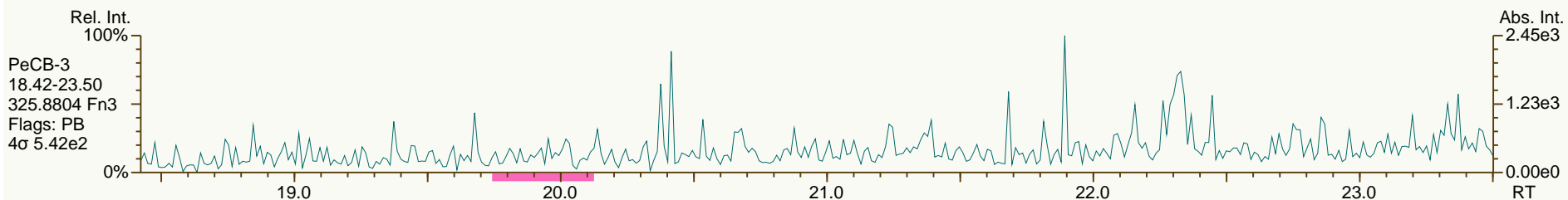
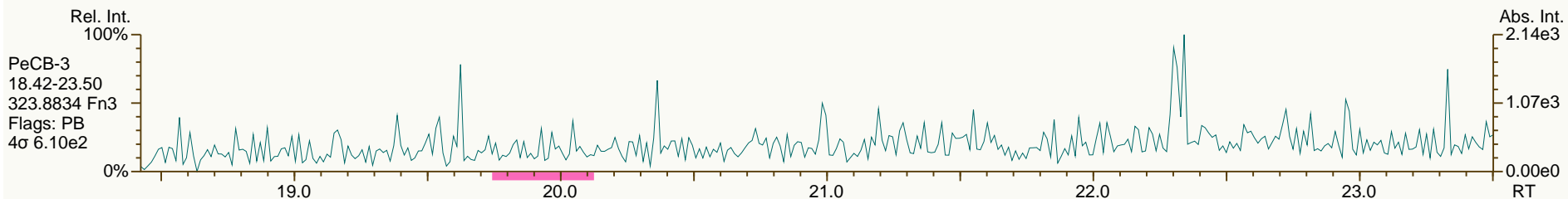
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Sample ID: JW-RG-TISSUE-120508
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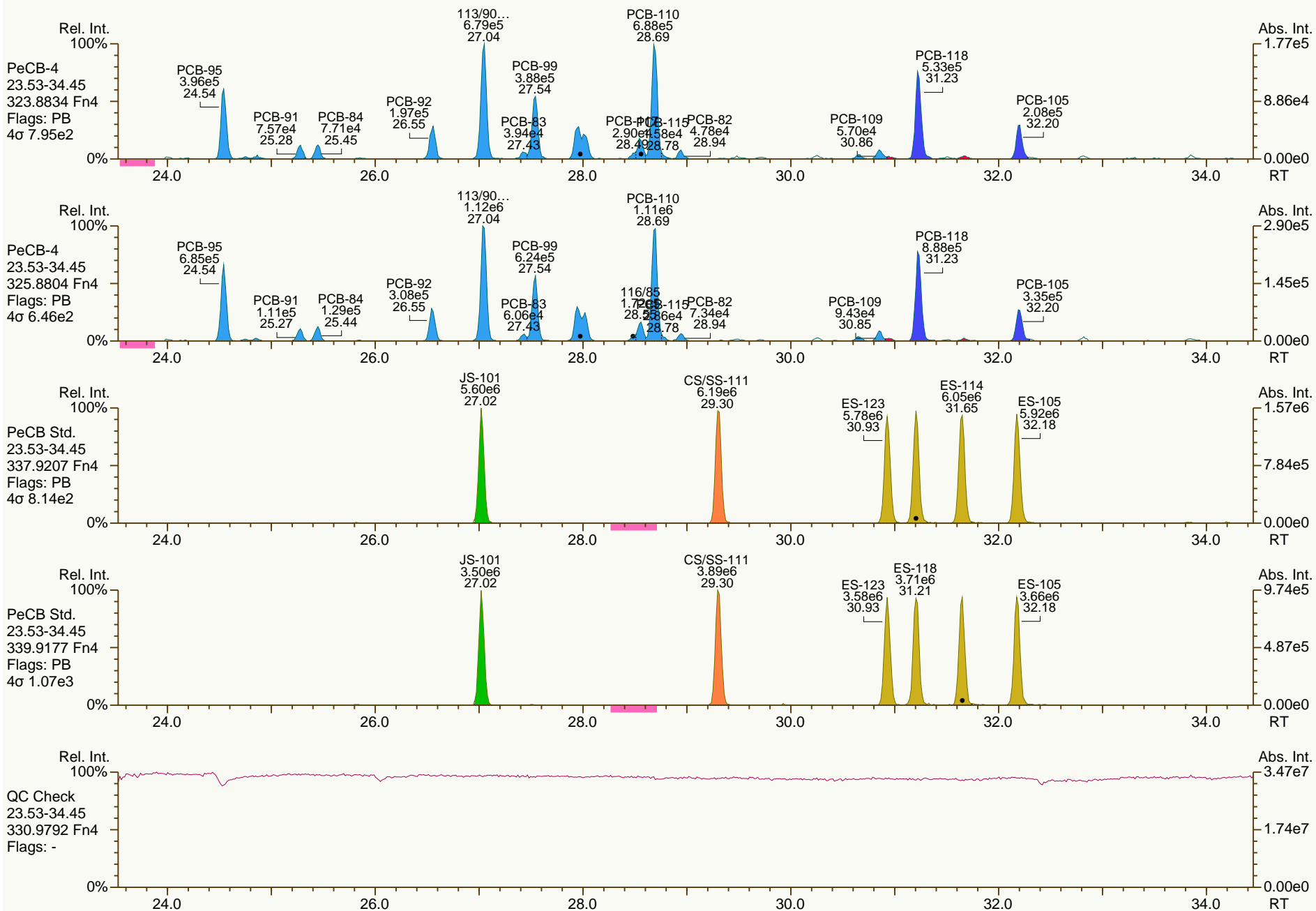
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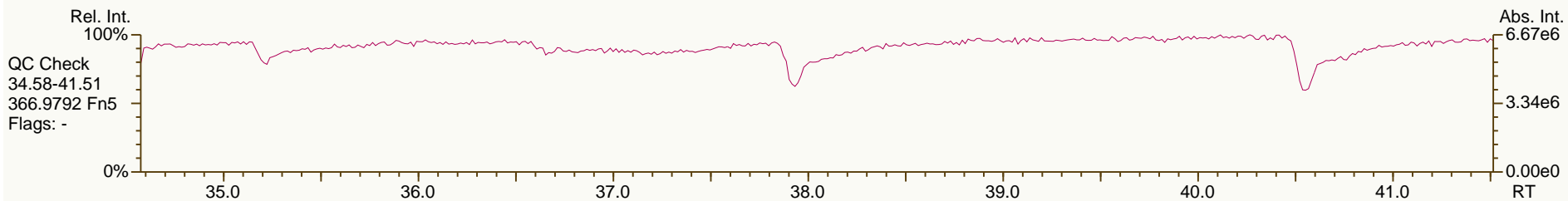
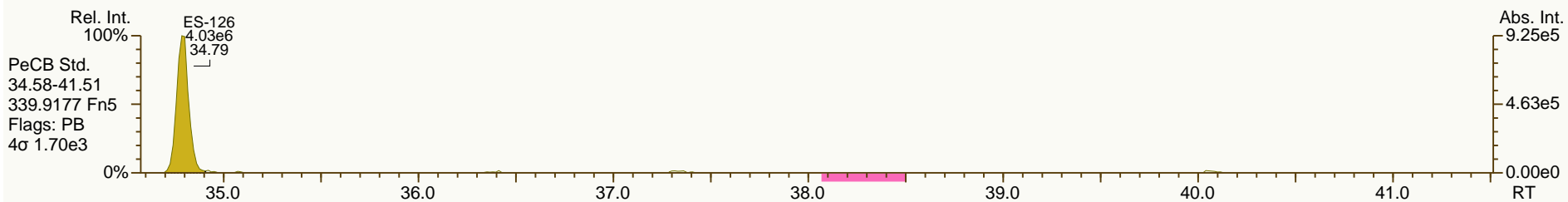
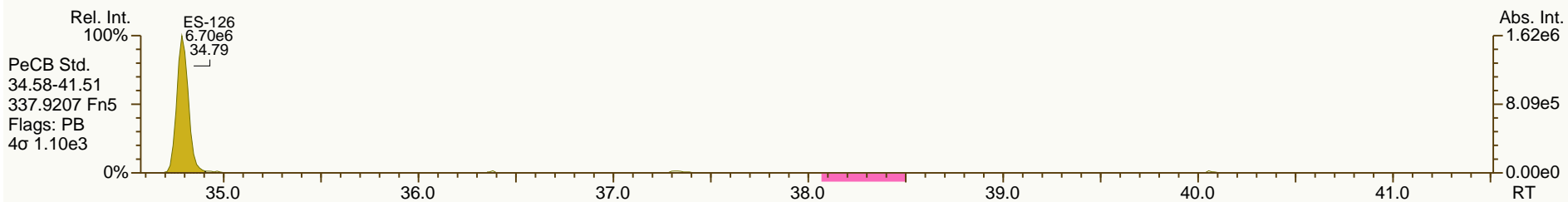
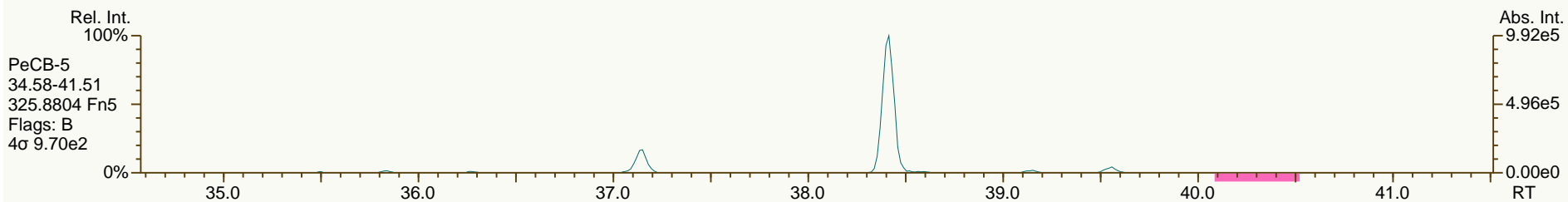
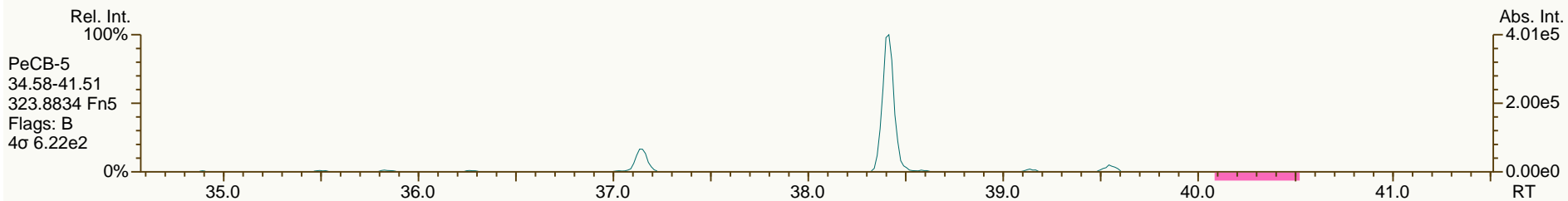
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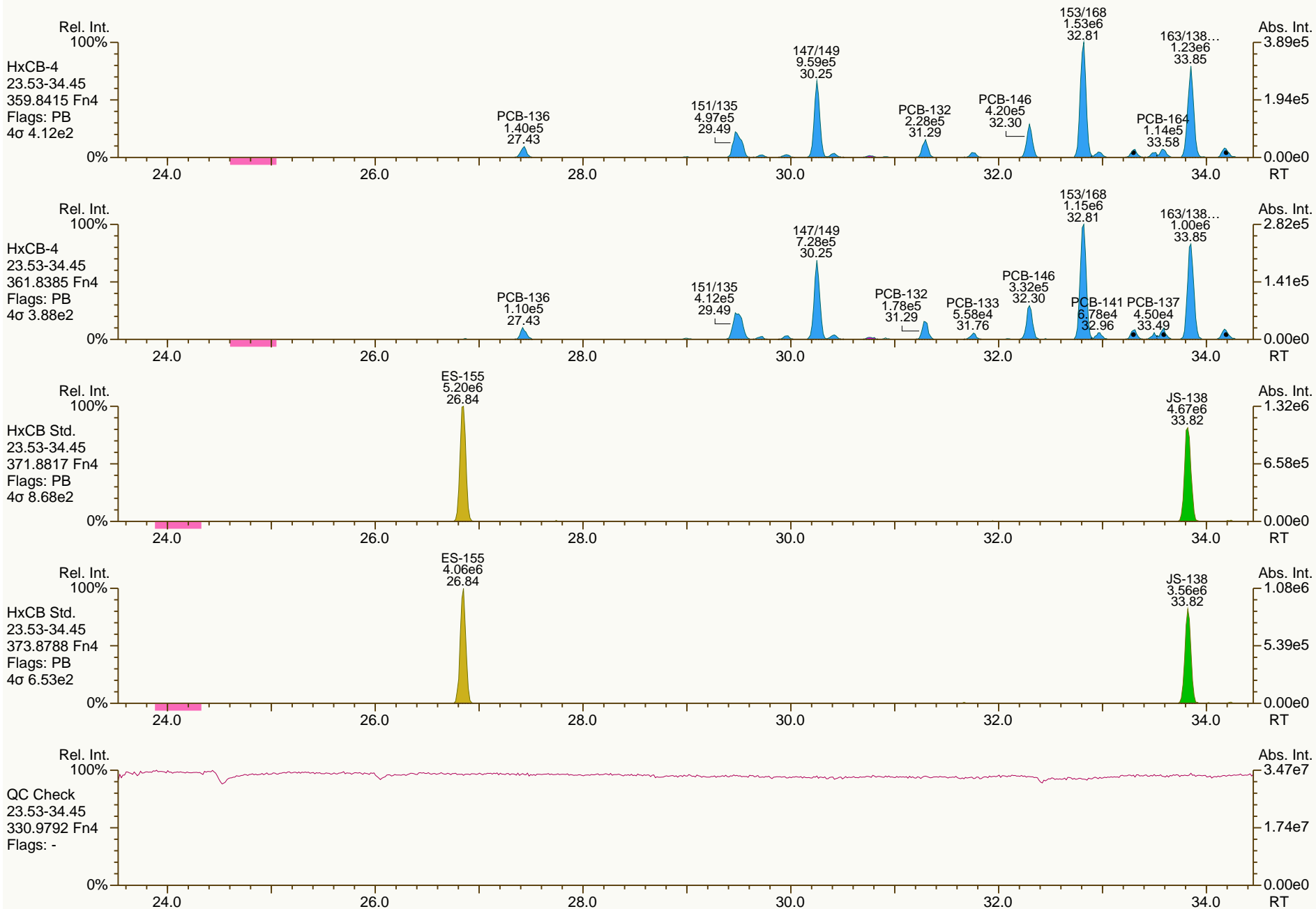
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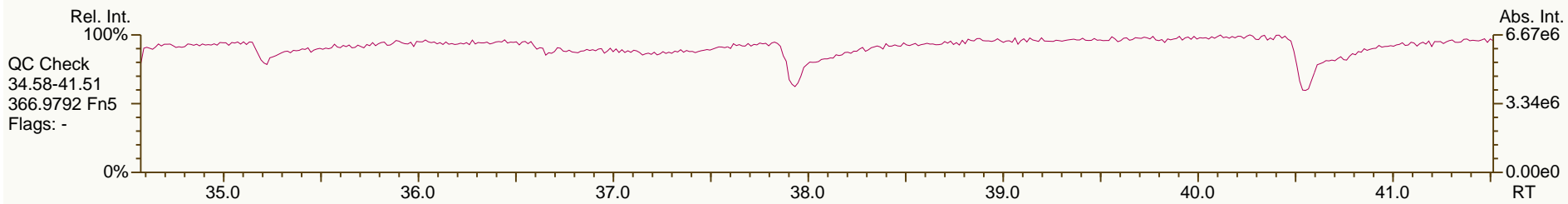
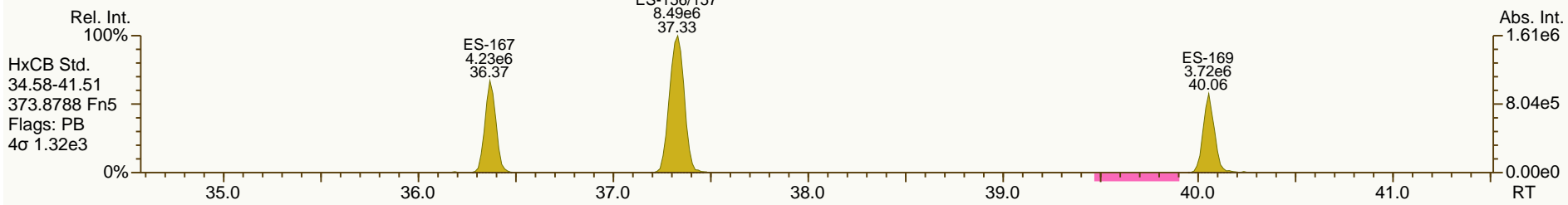
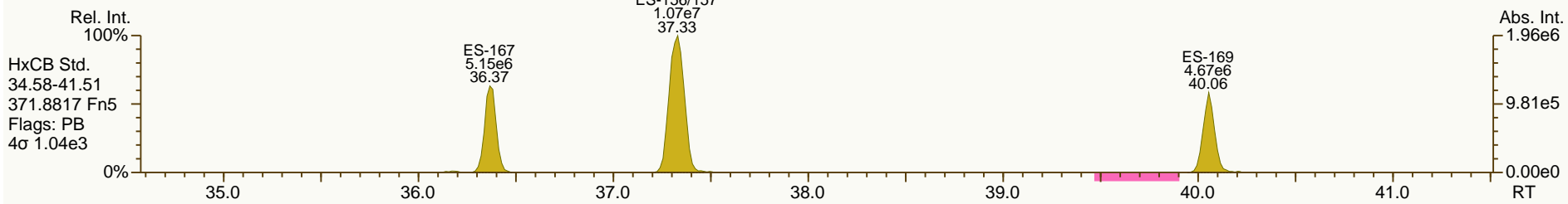
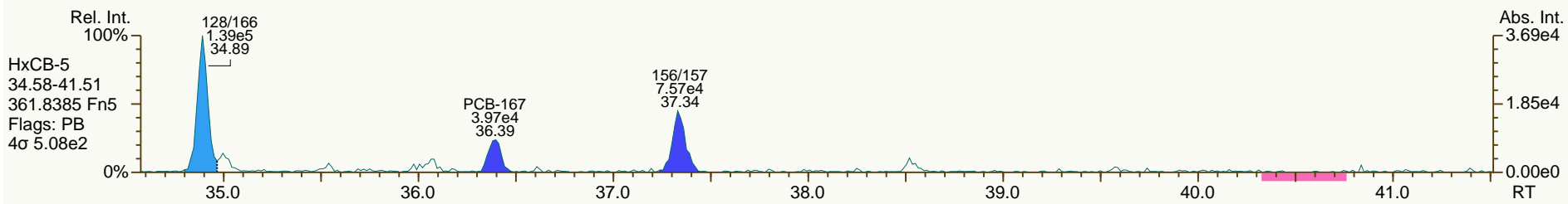
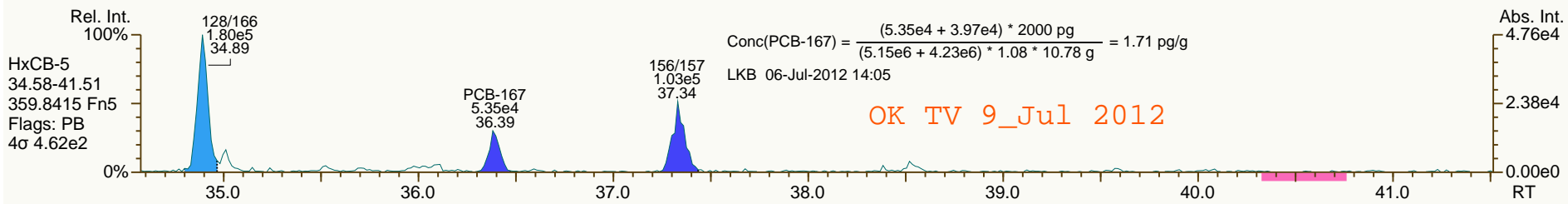
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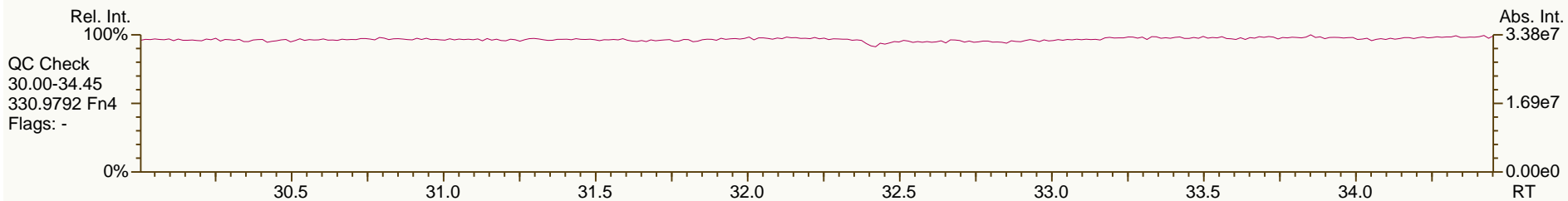
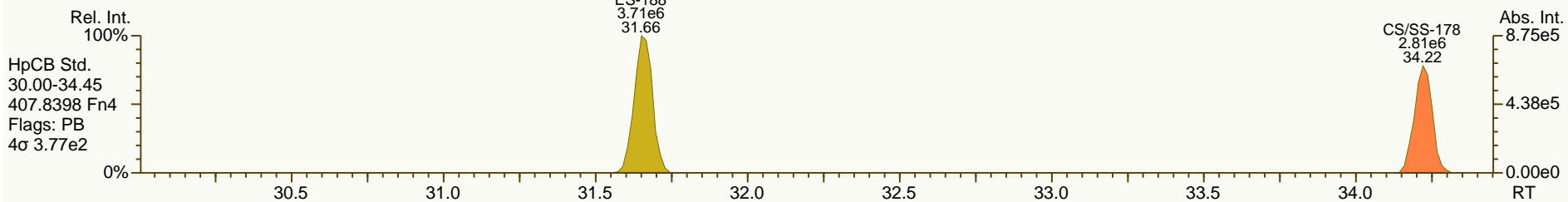
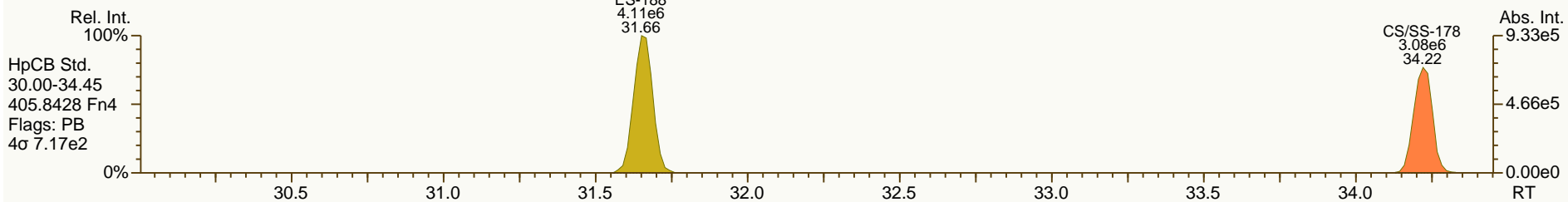
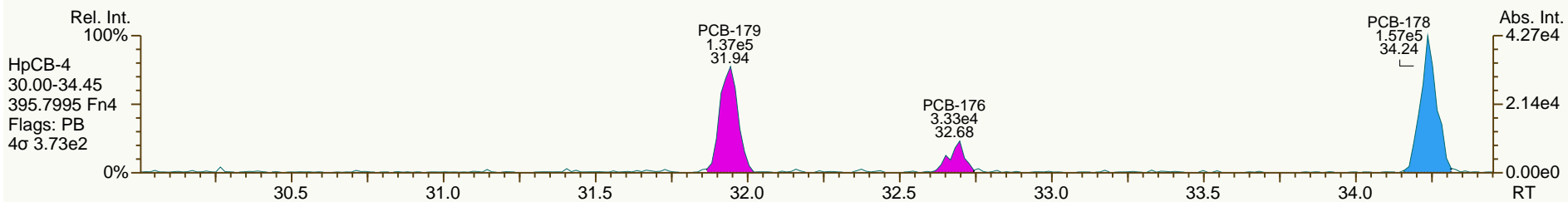
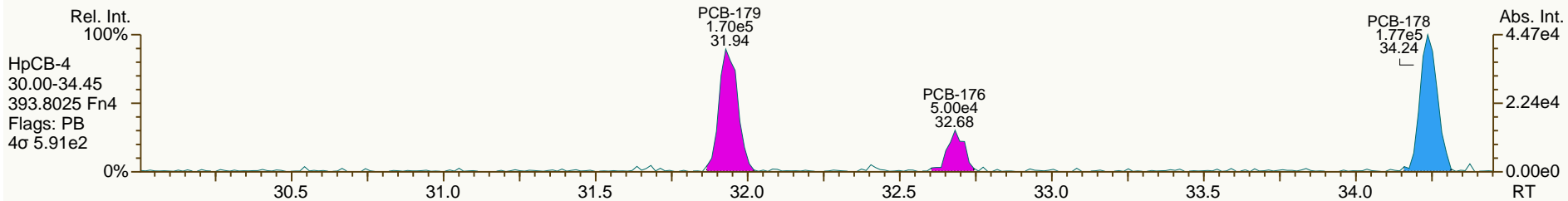
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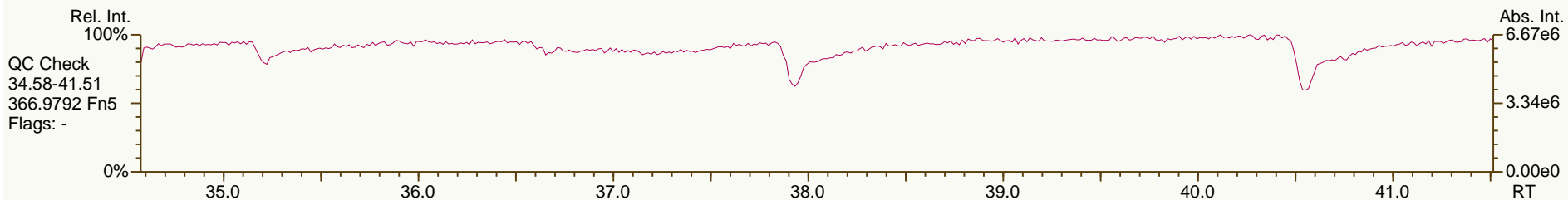
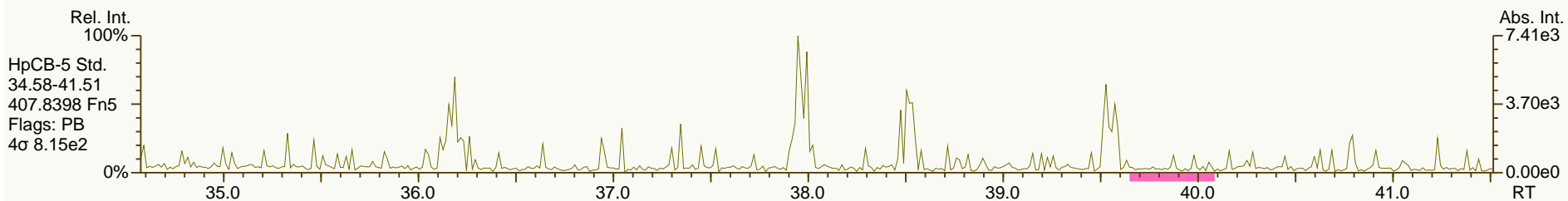
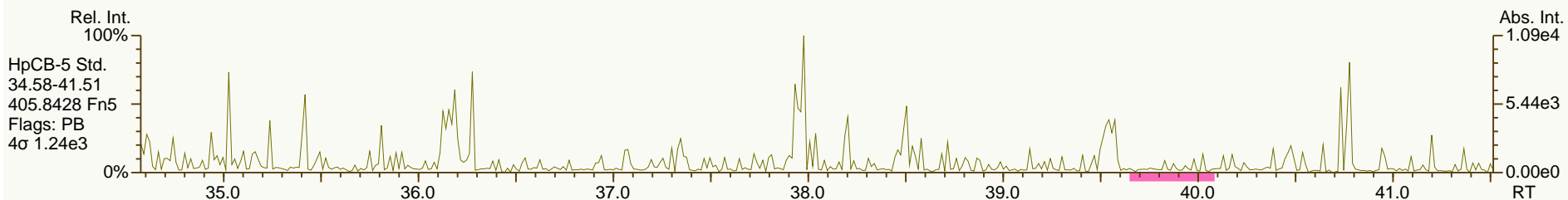
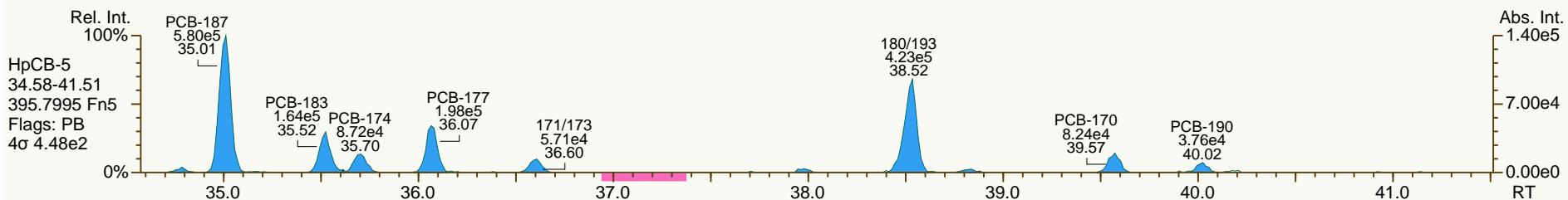
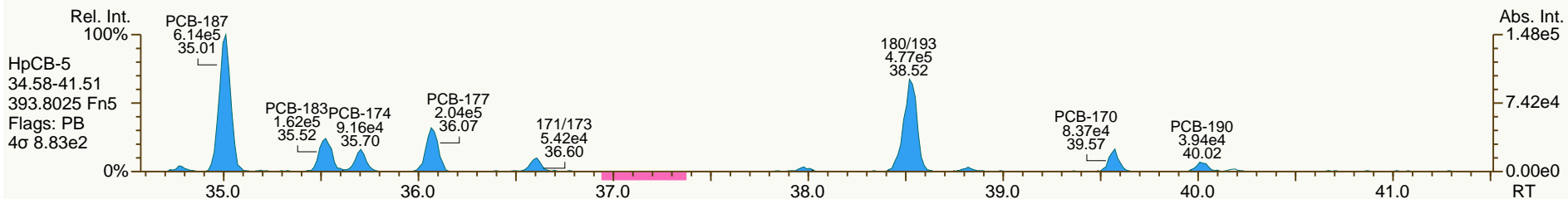
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AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

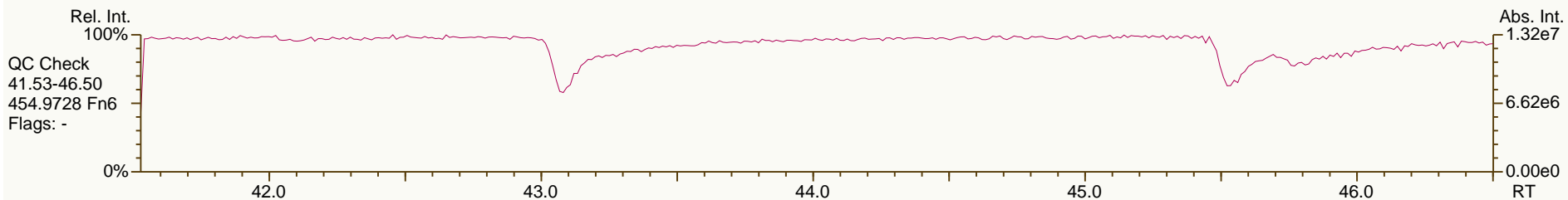
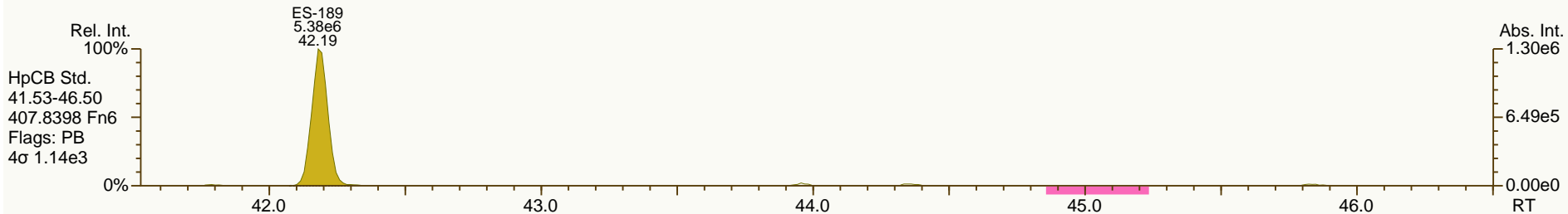
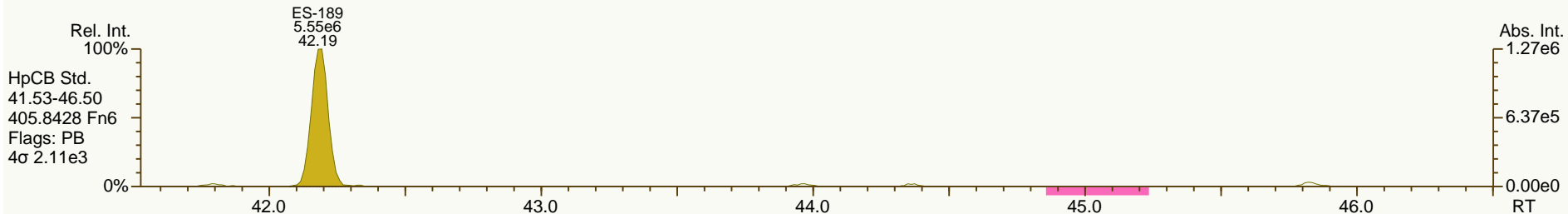
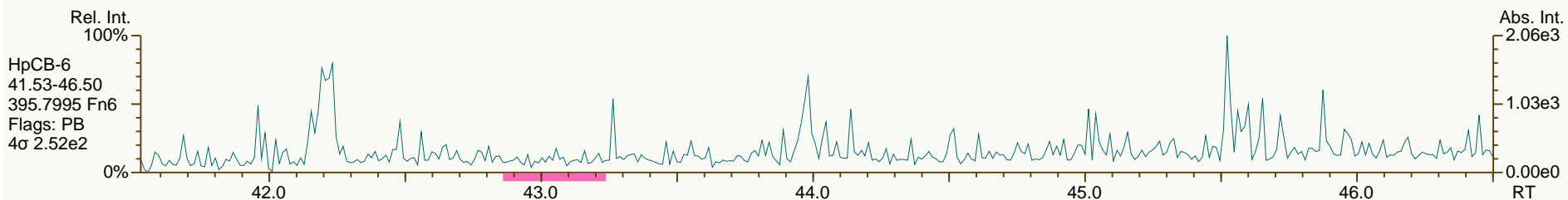
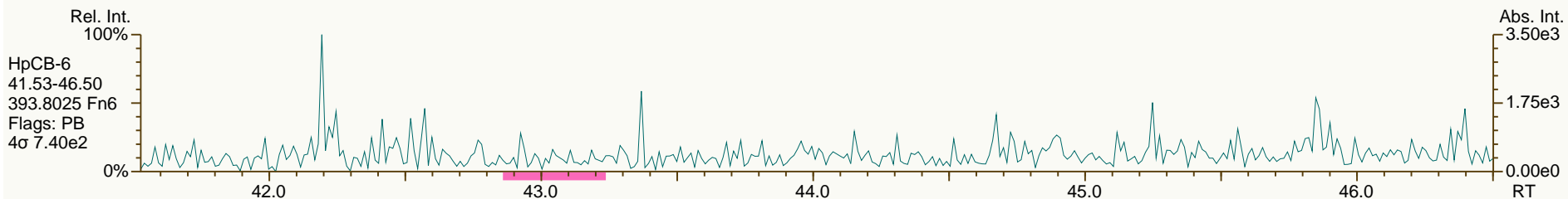
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AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

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 User: LKB Datafile: 120703S09



AP Lab ID: A4369_9892_PCB_003
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

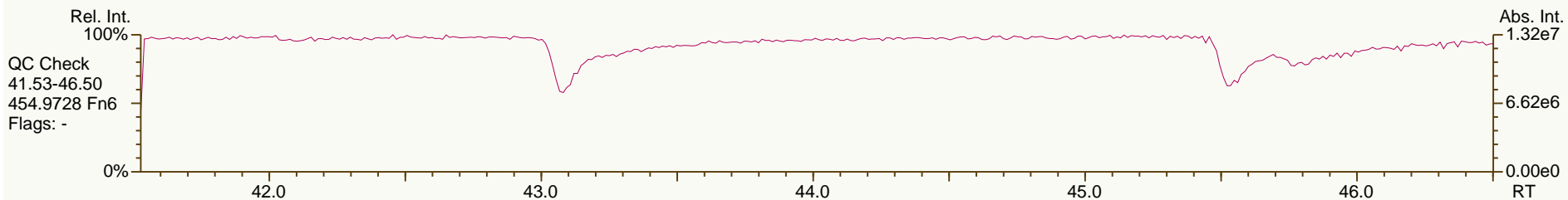
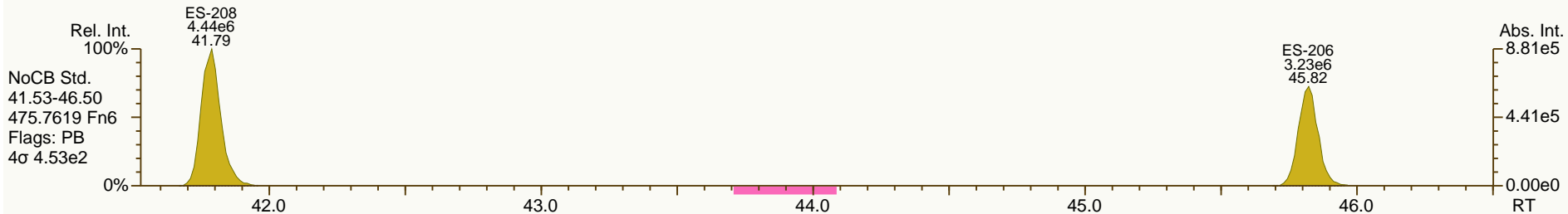
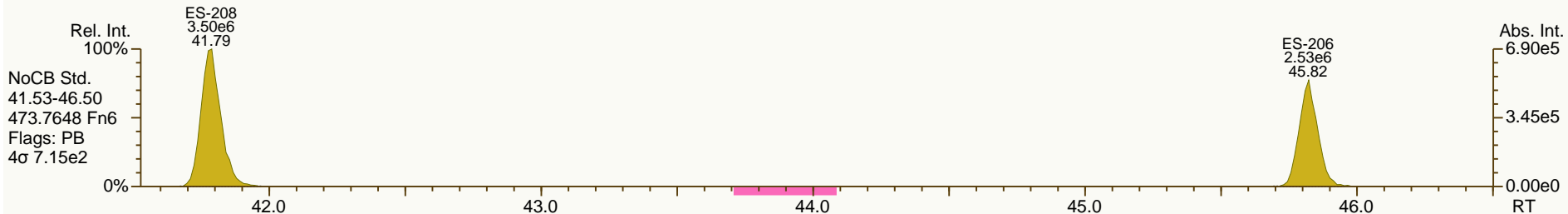
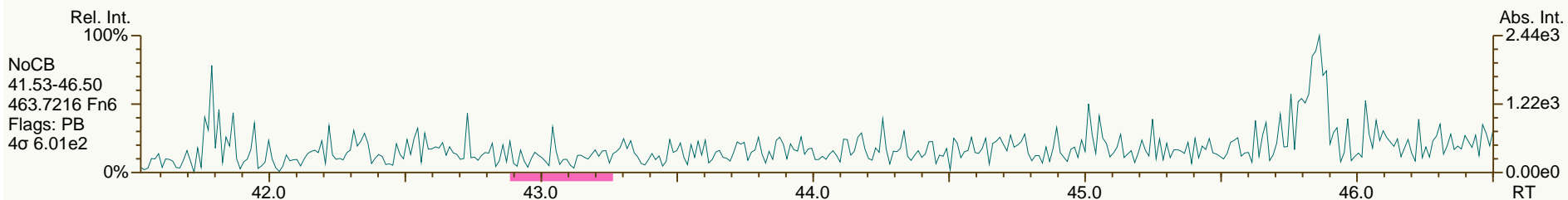
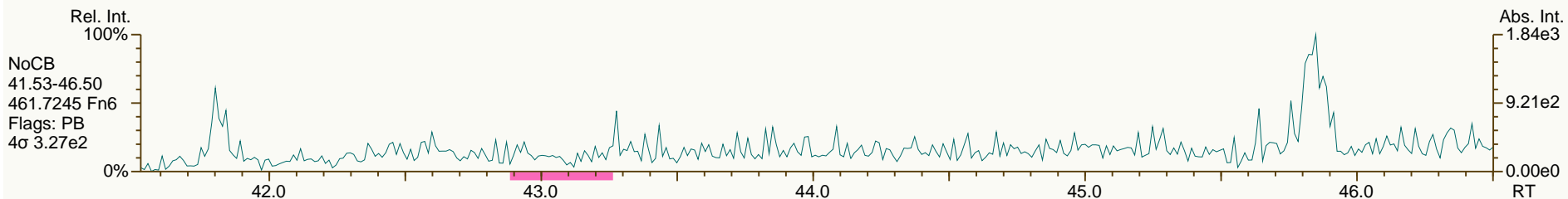
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AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

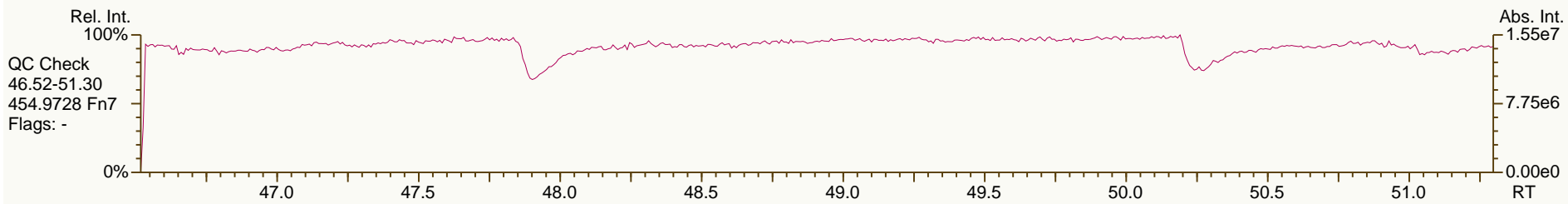
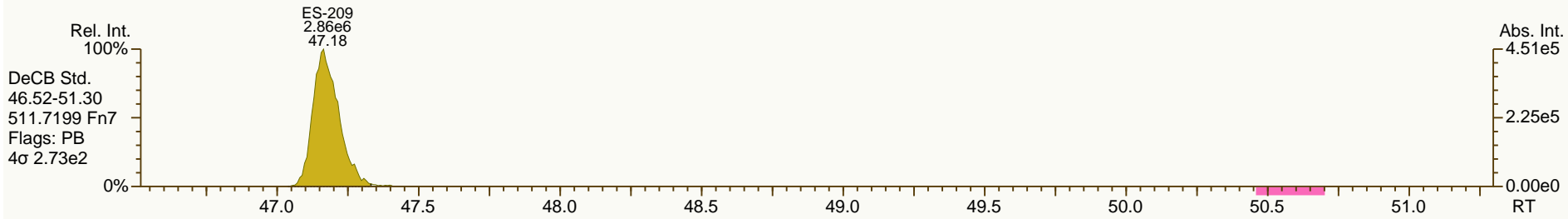
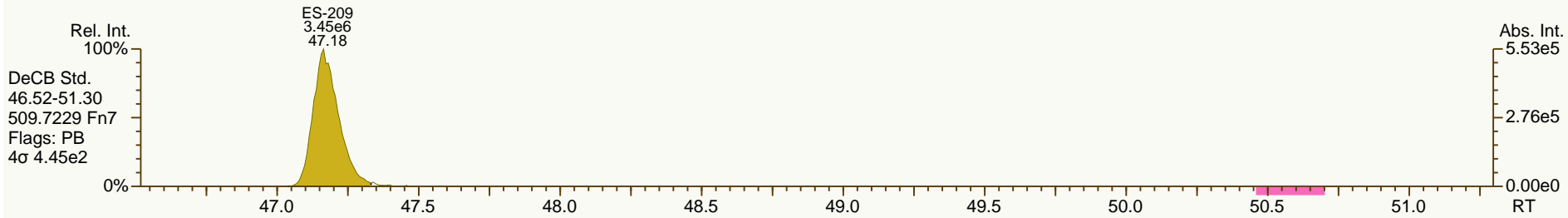
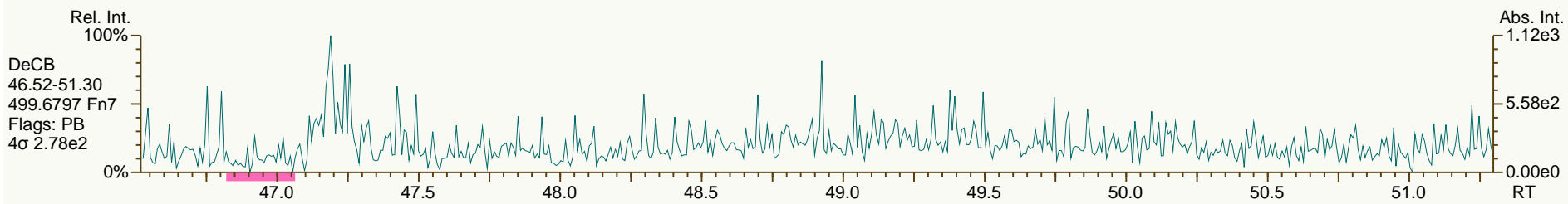
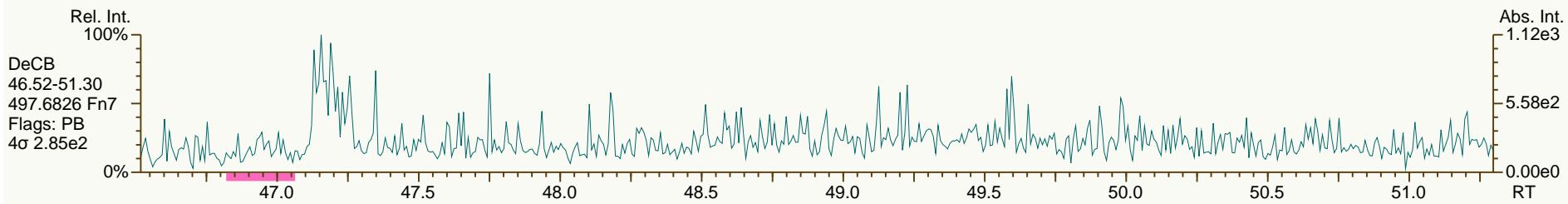
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AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

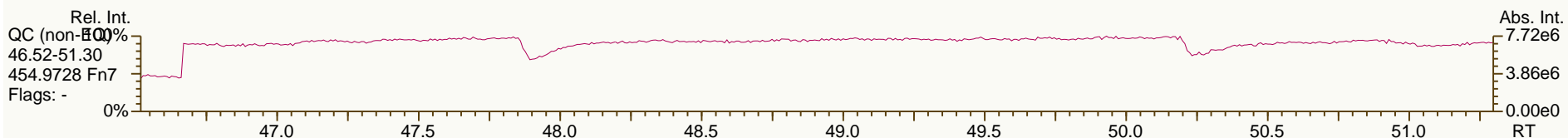
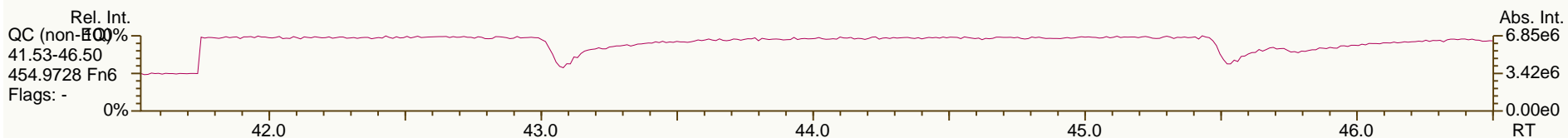
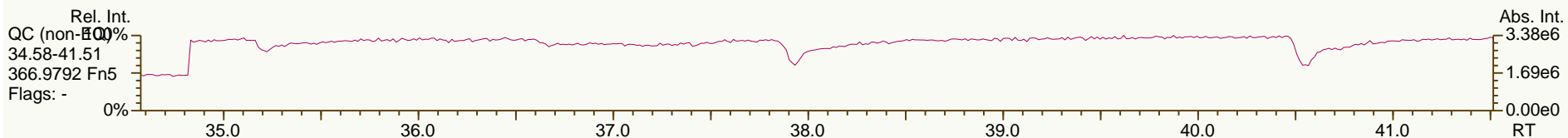
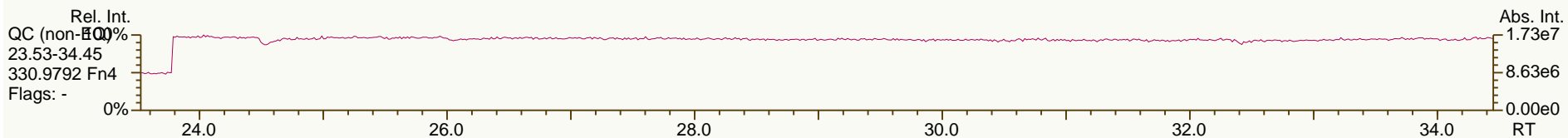
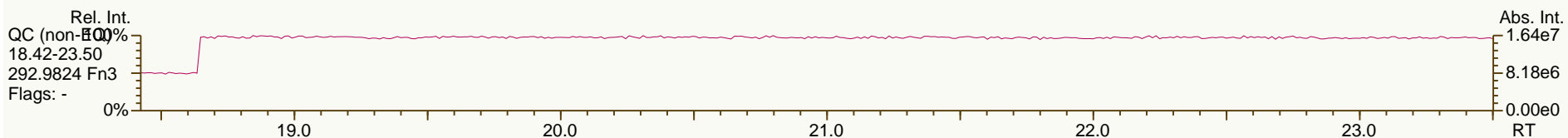
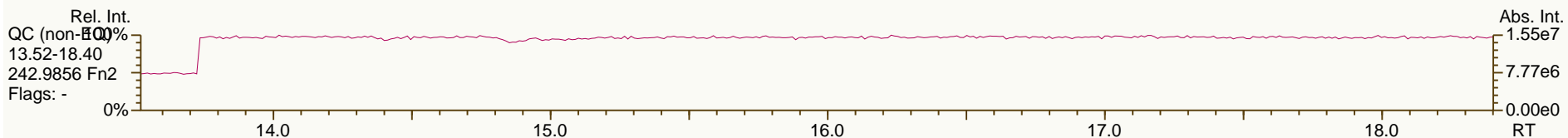
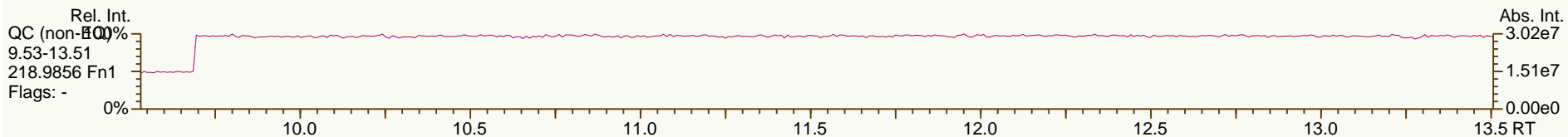
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AP Lab ID: A4369_9892_PCB_003
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-TISSUE-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 22

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 User: LKB Datafile: 120703S09



Lab ID: A4369_9892_PCB_004
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ICAL: MM4_PCB_01102012_26JAN12 CS3_120703_PCB_SC
 Checkcode: 719-616-NVW
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0008	+0.4	1.13E+05	0.84	1.22	2.36	1.57E+03	0.356
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.57E+03	0.308
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	1.32E+06	0.62	1.03	40.5	1.99E+03	0.662
PCB-114 2344'5'-PeCB	31.67		1.0007	1.0007	0	6.93E+04	0.60	1.10	2.07	1.99E+03	0.613
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	3.40E+06	0.60	1.03	98.8	1.99E+03	0.556
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0009	+0.4	5.32E+04	0.56	0.93	1.84	1.99E+03	0.668
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.55E+03	0.402
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	3.82E+05	1.21	1.05	11.6	1.26E+03	0.519
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0006	0	1.82E+05	1.38	1.08	5.42	1.26E+03	0.358
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.26E+03	0.479
PCB-189 233'44'55'-HpCB	42.20	J	1.0005	1.0003	-0.5	2.54E+04	1.07	1.11	0.628	1.09E+03	0.272
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	5.13E+02	0.381
ES PCB-1	9.84		0.7181	0.7175	-0.4	6.40E+06	3.30	1.01	56.2 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	6.54E+06	3.34	1.05	55.2 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.06E+06	1.61	0.70	51.7 %	14%	107%
ES PCB-15	17.08		1.2453	1.2458	+0.5	8.15E+06	1.62	1.17	61.8 %	19%	107%
ES PCB-19	14.67		1.0698	1.0696	-0.2	3.82E+06	1.09	0.57	59.9 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	6.59E+06	1.08	1.41	81.4 %	25%	123%
ES PCB-54	17.30		0.8157	0.8156	-0.1	4.66E+06	0.82	1.32	61.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3783	+1.1	7.11E+06	0.83	1.22	102 %	31%	109%
ES PCB-81	28.77		1.3557	1.3562	+0.9	7.05E+06	0.80	1.15	107 %	14%	127%
ES PCB-104	22.01		0.8147	0.8146	-0.1	5.10E+06	1.65	1.69	57.9 %	36%	115%
ES PCB-105	32.18		1.1906	1.1908	+0.4	5.74E+06	1.65	1.21	91.1 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	5.53E+06	1.66	1.23	85.8 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	6.02E+06	1.69	1.25	92.6 %	49%	111%
ES PCB-123	30.93		1.1444	1.1445	+0.2	5.67E+06	1.66	1.33	81.9 %	49%	116%
ES PCB-126	34.79		1.2871	1.2874	+0.6	6.31E+06	1.72	1.36	89 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.84		0.7939	0.7937	-0.3	5.65E+06	1.34	1.40	83.7 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.14E+07	1.25	1.13	105 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	5.62E+06	1.34	1.13	103 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.03E+06	1.28	1.14	91.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7202	-0.4	4.70E+06	1.07	1.34	73 %	23%	125%
ES PCB-189	42.18		0.9598	0.9597	-0.3	6.61E+06	1.08	1.77	98.3 %	47%	116%
ES PCB-202	36.17		0.8230	0.8229	-0.2	5.27E+06	0.90	1.27	86.3 %	31%	134%
ES PCB-205	44.35		1.0090	1.0091	+0.3	4.45E+06	0.90	1.25	93.5 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	3.57E+06	0.79	1.07	87.8 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	4.74E+06	0.81	1.34	93 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	3.68E+06	1.17	1.18	81.6 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9270	+0.1	6.83E+06	1.10	0.98	106 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0843	0	5.89E+06	1.66	0.90	116 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	3.37E+06	1.02	0.65	111 %	57%	125%
CS PCB-28	19.67		0.9269	0.9270	+0.1	6.83E+06	1.10	1.39	86.1 %	14%	131%
CS PCB-111	29.30		1.0843	1.0843	0	5.89E+06	1.66	1.19	94.6 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	3.37E+06	1.02	0.87	80.8 %	57%	125%
JS PCB-9	13.71					1.12E+07	1.64				
JS PCB-52	21.22					5.73E+06	0.80				
JS PCB-101	27.02					5.22E+06	1.64				
JS PCB-138	33.82					4.81E+06	1.40				
JS PCB-194	43.95					3.81E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	5.36	5.36	0.358		
						Di-CBs	148	148	1.67		
						Tri-CBs	204	204	0.564		
						Tetra-CBs	422	423	0.313		
						Penta-CBs	883	883	0.557		
						Hexa-CBs	890	896	0.388		
						Hepta-CBs	265	282	0.479		
						Octa-CBs	71.5	71.5	0.327		
						Nona-CBs	0.641	2.69	0.609		
PCB-1 2-MoCB	9.85		1.0011	1.0010	-0.1	6.19E+04	3.14	1.20	1.46	2.62E+03	0.314
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	9.68E+04	3.21	1.14	2.34	2.62E+03	0.396
PCB-3 4-MoCB	11.78		1.0010	1.0009	-0.1	6.36E+04	2.88	1.13	1.56	2.62E+03	0.401
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	1.60E+05	SI	0.94	7.56	7.34E+03	2.15
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.67	ND	2.97E+04	4.93
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.89	ND	2.20E+04	4.77
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.05	ND	2.20E+04	4.05
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	1.71E+05	SI	0.96	3.96	6.25E+03	1.26
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.20E+04	4.51
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	3.93E+05	SI	1.01	8.66	6.25E+03	1.19
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.20E+04	3.85
PCB-11 33'-DiCB	16.57		0.9701	0.9700	-0.1	5.12E+06	1.40	0.94	121	2.20E+04	4.52
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.94	ND	2.20E+04	4.5
PCB-15 44'-DiCB	17.09		1.0008	1.0008	0	2.81E+05	SI	1.01	6.22	6.25E+03	1.2

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0010	-0.1	1.03E+05	0.95	1.01	4.84	1.67E+03	0.587
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	6.35E+05	1.05	1.23	24.5	1.67E+03	0.484
PCB-17 22'4-TrCB	16.66		1.1357	1.1358	+0.1	3.36E+05	1.01	1.05	15.2	1.67E+03	0.567
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	2.34E+05	1.07	1.38	8.07	1.67E+03	0.431
PCB-24 236-TrCB	16.96	J	1.1558	1.1568	+1.0	2.15E+04	1.04	1.30	0.781	1.67E+03	0.456
PCB-16 22'3-TrCB	17.04		1.1612	1.1616	+0.4	2.27E+05	1.05	0.85	12.6	1.67E+03	0.696
PCB-32 24'6-TrCB	17.49		1.1923	1.1925	+0.2	3.79E+05	1.15	1.46	12.3	1.67E+03	0.405
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	2.46E+03	0.523
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	2.46E+03	0.509
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8225	-1.3	6.64E+05	1.04	1.29	14.2	2.46E+03	0.504
PCB-25 23'4-TrCB	19.17		0.8315	0.8314	-0.1	2.88E+05	1.05	1.29	6.16	2.46E+03	0.503
PCB-31 24'5-TrCB	19.44		0.8430	0.8428	-0.2	1.49E+06	1.08	1.33	31	2.46E+03	0.489
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8538	-0.5	1.90E+06	1.06	1.26	41.5	2.46E+03	0.516
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8622	+1.2	4.38E+05	1.03	1.31	9.21	2.46E+03	0.496
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	6.41E+05	1.04	1.21	14.5	2.46E+03	0.534
PCB-36 33'5-TrCB	21.56	J	0.9351	0.9350	-0.1	3.25E+04	1.02	1.26	0.71	2.46E+03	0.516
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.46E+03	0.492
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	2.46E+03	0.55
PCB-35 33'4-TrCB	22.74		0.9860	0.9860	0	6.93E+04	1.11	1.15	1.66	2.46E+03	0.564
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	2.99E+05	0.99	1.20	6.87	2.46E+03	0.541
PCB-54 22'66'-TeCB	17.32	J	1.0010	1.0011	+0.1	1.58E+04	0.80	0.93	0.661	9.62E+02	0.327
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	3.57E+05	0.71	0.83	11.1	9.26E+02	0.273
PCB-45 22'36-TeCB	19.74		0.9304	0.9306	+0.2	1.40E+05	0.87	0.68	5.28	9.26E+02	0.333
PCB-51 22'46'-TeCB	19.82		0.9340	0.9341	+0.1	1.38E+05	0.73	0.84	4.22	9.26E+02	0.269
PCB-46 22'36'-TeCB	20.01		0.9429	0.9430	+0.1	6.79E+04	0.74	0.68	2.57	9.26E+02	0.333
PCB-52 22'55'-TeCB	21.24		1.0010	1.0010	0	2.83E+06	0.76	0.76	96.3	9.26E+02	0.299
PCB-73 23'5'6-TeCB	21.35	J EMPC	1.0069	1.0065	-0.5	1.34E+04	1.18	0.97	0.355	9.26E+02	0.233
PCB-43 22'35-TeCB	21.43		1.0106	1.0102	-0.5	4.47E+04	0.77	0.70	1.63	9.26E+02	0.321
PCB-69/49 23'46/22'45'-TeCB	21.65	C	1.0198	1.0207	+1.2	1.43E+06	0.76	0.94	39.2	9.26E+02	0.242
PCB-48 22'45-TeCB	21.89		1.0319	1.0319	0	2.64E+05	0.72	0.77	8.85	9.26E+02	0.295
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0409	-0.9	1.81E+06	0.77	0.83	55.9	9.26E+02	0.272
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0541	0	2.21E+05	0.83	1.06	5.35	9.26E+02	0.213
PCB-42 22'34'-TeCB	22.52		1.0612	1.0613	+0.1	3.42E+05	0.75	0.72	12.2	9.26E+02	0.315
PCB-41 22'34-TeCB	22.82		1.0759	1.0758	-0.1	8.57E+04	0.70	0.64	3.45	9.26E+02	0.354
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0809	+0.4	7.46E+05	0.77	0.80	24	9.26E+02	0.282
PCB-64 234'6-TeCB	23.13		1.0899	1.0900	+0.1	8.17E+05	0.74	1.10	19.1	9.26E+02	0.206
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	6.14E+04	0.75	1.12	1.41	1.57E+03	0.342
PCB-68 23'45'-TeCB	24.10		0.8379	0.8377	-0.3	7.25E+04	0.86	1.22	1.53	1.57E+03	0.314
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.57E+03	0.35
PCB-58 233'5'-TeCB	24.64	J	0.8568	0.8565	-0.4	1.71E+04	0.82	1.11	0.396	1.57E+03	0.344
PCB-67 23'45-TeCB	24.80		0.8620	0.8619	-0.1	1.18E+05	0.69	1.17	2.59	1.57E+03	0.326
PCB-63 234'5-TeCB	25.02		0.8697	0.8695	-0.3	7.37E+04	0.72	1.22	1.55	1.57E+03	0.313
PCB-61/70/74/76 ...-TeCB	25.31	C	0.8792	0.8796	+0.6	3.05E+06	0.76	1.13	69.4	1.57E+03	0.339
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	1.39E+06	0.76	1.06	33.7	1.57E+03	0.361
PCB-55 233'4-TeCB	25.69	J	0.8932	0.8928	-0.6	3.80E+04	0.76	1.09	0.894	1.57E+03	0.35

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	5.08E+05	0.79	1.06	12.3	1.57E+03	0.361
PCB-60 2344'-TeCB	26.30		0.9144	0.9142	-0.3	2.49E+05	0.79	1.09	5.87	1.57E+03	0.351
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.57E+03	0.312
PCB-79 33'45'-TeCB	27.95	J EMPC	0.9718	0.9713	-0.8	4.21E+04	0.63	1.21	0.897	1.57E+03	0.317
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.57E+03	0.377
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.27E+03	0.439
PCB-96 22'366'-PeCB	22.32		1.0141	1.0139	-0.3	2.49E+04	0.58	0.89	0.994	1.27E+03	0.452
PCB-103 22'45'6'-PeCB	24.01		0.8883	0.8885	+0.3	3.67E+04	0.54	0.83	1.42	1.99E+03	0.748
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.72	ND	1.99E+03	0.858
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.64E+06	0.62	0.75	112	1.99E+03	0.822
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	J C	0.9158	0.9160	+0.3	4.13E+04	0.59	0.77	1.71	1.99E+03	0.804
PCB-102 22'456'-PeCB	24.86		0.9198	0.9200	+0.3	1.09E+05	0.61	0.88	3.95	1.99E+03	0.702
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.99E+03	0.911
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.99E+03	0.914
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9353	+0.2	4.71E+05	0.60	0.85	17.8	1.99E+03	0.73
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	5.78E+05	0.60	0.66	28.1	1.99E+03	0.942
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.68	ND	1.99E+03	0.902
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.99E+03	0.614
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	9.24E+05	0.60	0.71	41.5	1.99E+03	0.869
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	3.95E+06	0.60	0.86	147	1.99E+03	0.719
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0150	0	2.13E+05	0.60	0.62	11	1.99E+03	0.998
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	2.11E+06	0.62	0.77	88	1.99E+03	0.807
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.99E+03	0.597
PCB-108/119/86/97/125...-PeCB	27.98	C	1.0347	1.0356	+1.5	2.17E+06	0.60	0.89	78.1	1.99E+03	0.696
PCB-117 234'56'-PeCB	28.48		1.0539	1.0539	0	8.96E+04	0.55	0.70	4.07	1.99E+03	0.88
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0564	-0.3	6.69E+05	0.59	0.98	21.7	1.99E+03	0.628
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	4.54E+06	0.61	0.97	150	1.99E+03	0.638
PCB-115 2344'6'-PeCB	28.77		1.0644	1.0648	+0.7	1.09E+05	0.56	1.00	3.46	1.99E+03	0.616
PCB-82 22'33'4'-PeCB	28.94		1.0711	1.0710	-0.2	2.89E+05	0.59	0.63	14.7	1.99E+03	0.983
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.99E+03	0.614
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.99E+03	0.606
PCB-107/124 ...-PeCB	30.65	C	0.9909	0.9910	+0.2	1.44E+05	0.60	0.95	4.84	1.99E+03	0.649
PCB-109 233'46'-PeCB	30.86		0.9976	0.9976	0	3.26E+05	0.57	1.05	9.92	1.99E+03	0.589
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.99E+03	0.634
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.91	ND	1.99E+03	0.736
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.99E+03	0.691
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.24E+02	0.195
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.24E+02	0.21
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.24E+02	0.206
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0217	+0.2	5.52E+05	1.27	0.92	19.3	7.24E+02	0.224
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.24E+02	0.221
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.24E+02	0.286
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.66E+06	1.18	0.71	74.7	7.24E+02	0.289
PCB-154 22'44'56'-HxCB	29.71		1.1067	1.1068	+0.2	1.09E+05	1.25	0.79	4.41	7.24E+02	0.26
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1161	+0.5	1.77E+05	1.29	0.72	7.93	7.24E+02	0.287

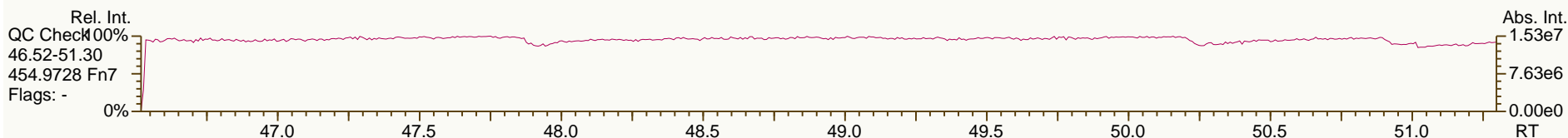
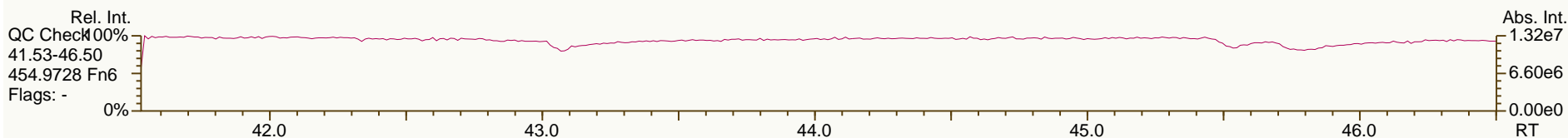
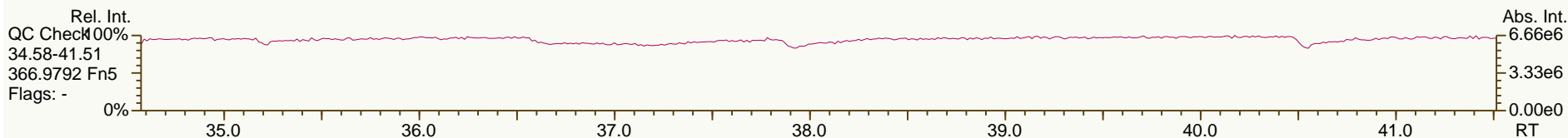
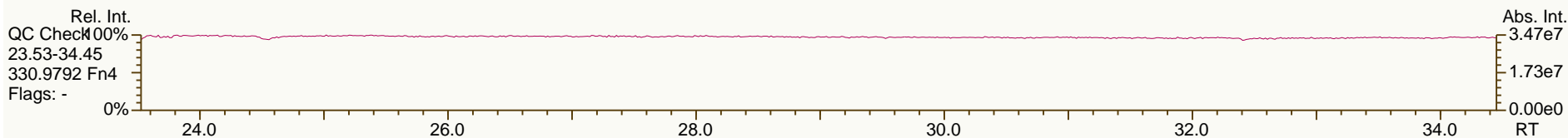
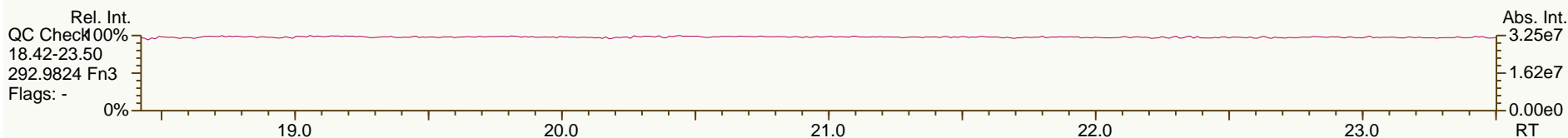
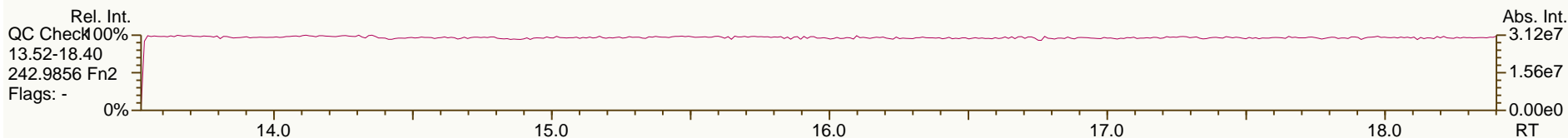
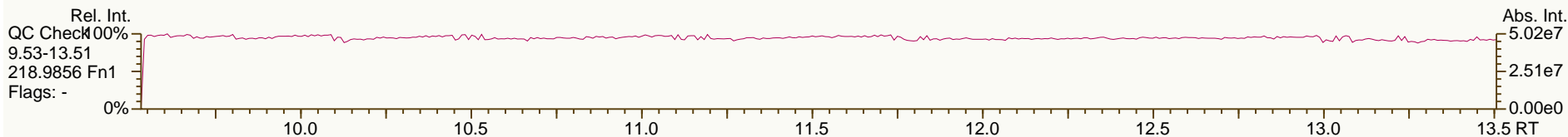
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1270	+0.2	3.38E+06	1.22	0.73	148	7.24E+02	0.28
PCB-134 22'33'56"-HxCB	30.41		1.1326	1.1329	+0.5	2.31E+05	1.28	0.60	12.3	7.24E+02	0.342
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.24E+02	0.295
PCB-139/140 ...-HxCB	30.76	EMPC C	1.1458	1.1458	0	9.17E+04	1.45	0.75	3.93	7.24E+02	0.275
PCB-131 22'33'46"-HxCB	30.92	EMPC	1.1516	1.1519	+0.6	4.00E+04	1.46	0.62	2.06	7.24E+02	0.331
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.24E+02	0.305
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1658	+0.6	1.04E+06	1.27	0.67	50	7.24E+02	0.307
PCB-133 22'33'55"-HxCB	31.75		1.1826	1.1829	+0.6	1.68E+05	1.21	0.66	8.11	7.24E+02	0.31
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.24E+02	0.249
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9549	-0.2	1.14E+06	1.25	0.72	50.5	7.24E+02	0.284
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.24E+02	0.218
PCB-153/168 ...-HxCB	32.81	C	0.9709	0.9702	-1.4	5.12E+06	1.29	0.89	185	7.24E+02	0.231
PCB-141 22'3455"-HxCB	32.97		0.9746	0.9747	+0.2	3.82E+05	1.36	0.67	18.3	7.24E+02	0.308
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9847	0	3.82E+05	1.38	0.61	19.9	7.24E+02	0.335
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9902	-0.4	2.27E+05	1.43	0.72	10.1	7.24E+02	0.285
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	4.26E+05	1.33	0.93	14.7	7.24E+02	0.221
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	4.78E+06	1.27	0.76	202	7.24E+02	0.271
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.24E+02	0.225
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	5.83E+05	1.28	0.96	19.5	7.24E+02	0.214
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	7.75E+05	1.33	0.90	27.8	1.26E+03	0.43
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	1.26E+03	0.366
PCB-162 233'4'55"-HxCB	35.99	J	0.9896	0.9895	-0.2	2.25E+04	1.37	1.09	0.662	1.26E+03	0.354
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	1.06E+03	0.396
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0089	0	5.47E+05	1.09	1.09	19.3	1.06E+03	0.386
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	1.06E+03	0.401
PCB-176 22'33'466"-HpCB	32.68		1.0324	1.0323	-0.2	1.36E+05	1.01	1.17	4.47	1.06E+03	0.36
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	1.06E+03	0.374
PCB-178 22'33'55'6"-HpCB	34.24	EMPC	1.0816	1.0817	+0.2	3.59E+05	1.23	0.82	16.8	1.06E+03	0.515
PCB-175 22'33'45'6"-HpCB	34.78		1.0985	1.0986	+0.2	4.82E+04	1.02	0.86	2.15	1.47E+03	0.677
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	1.82E+06	1.07	0.91	77	1.47E+03	0.642
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.47E+03	0.628
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1220	+0.2	6.04E+05	1.01	1.00	23.3	1.47E+03	0.584
PCB-185 22'3455'6"-HpCB	35.60		1.1241	1.1246	+1.1	3.29E+04	0.94	0.84	1.51	1.47E+03	0.696
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	4.23E+05	1.00	0.77	21.2	1.47E+03	0.76
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1393	0	6.34E+05	0.99	0.77	31.8	1.47E+03	0.76
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.47E+03	0.651
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	2.29E+05	1.00	0.80	11	1.47E+03	0.728
PCB-172 22'33'455"-HpCB	37.98		0.9003	0.9003	0	6.25E+04	0.90	0.72	2.39	1.47E+03	0.569
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.47E+03	0.448
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9132	+1.2	1.61E+06	1.04	0.84	52.6	1.47E+03	0.484
PCB-191 233'44'5'6"-HpCB	38.82		0.9203	0.9203	0	4.51E+04	0.94	0.94	1.32	1.47E+03	0.434
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	3.28E+05	1.06	0.70	12.9	1.47E+03	0.584
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9487	+0.2	1.24E+05	1.00	0.91	3.73	1.47E+03	0.447
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0005	-0.2	3.79E+05	0.86	0.83	15.8	6.92E+02	0.341
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	1.24E+05	0.81	0.95	4.5	6.92E+02	0.298

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.92E+02	0.312
PCB-197 22'33'44'66'-OcCB	37.75		1.0431	1.0437	+1.4	4.58E+04	0.80	0.88	1.78	6.92E+02	0.319
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	6.92E+02	0.337
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1109	+1.7	4.69E+05	0.86	0.67	23.9	6.92E+02	0.419
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1260	0	1.83E+05	0.95	0.68	9.23	6.92E+02	0.413
PCB-203 22'344'55'6-OcCB	40.90		1.1306	1.1307	+0.2	1.66E+05	0.92	0.72	7.92	6.92E+02	0.392
PCB-195 22'33'44'56-OcCB	42.00		0.9469	0.9469	0	4.05E+04	0.84	0.66	2.51	7.67E+02	0.519
PCB-194 22'33'44'55'-OcCB	43.98		0.9915	0.9915	0	1.03E+05	0.84	0.72	5.81	7.67E+02	0.471
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.67E+02	0.313
PCB-208 22'33'455'66'-NoCB	41.81	J	1.0005	1.0004	-0.3	1.64E+04	0.79	0.98	0.641	9.88E+02	0.519
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.88E+02	0.511
PCB-206 22'33'44'55'6-NoCB	45.84	EMPC	1.0004	1.0004	0	3.77E+04	0.66	0.93	2.05	9.88E+02	0.698

AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

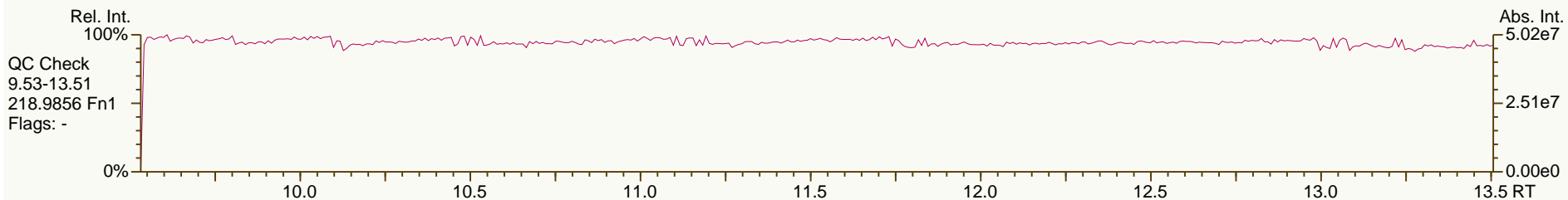
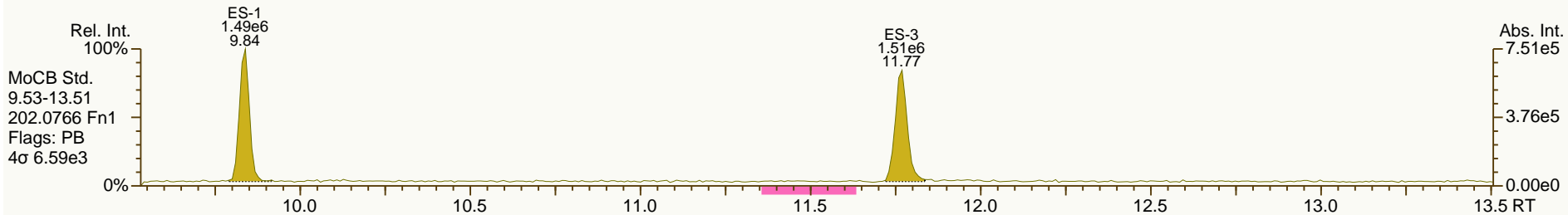
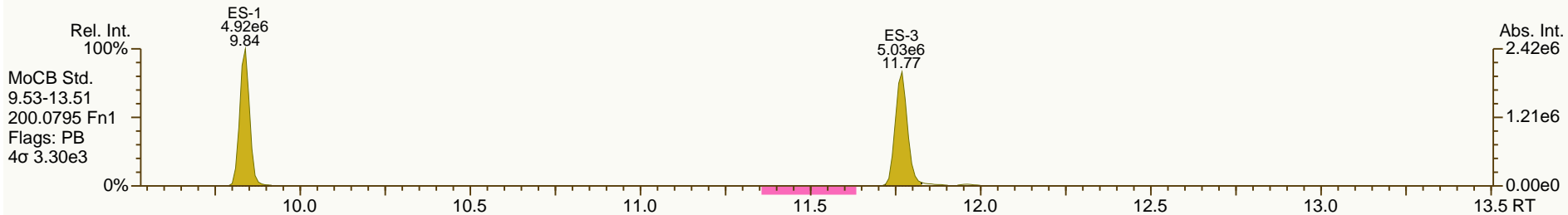
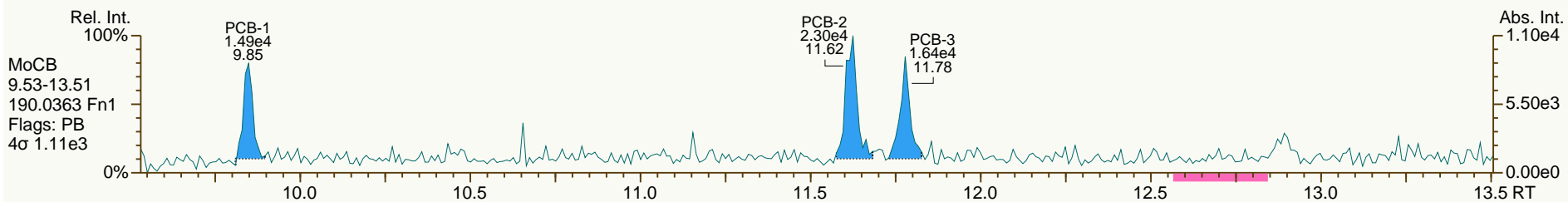
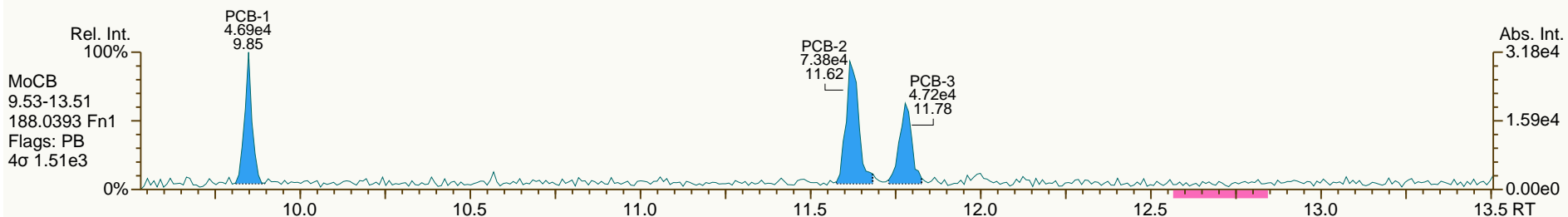
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AP Lab ID: A4369_9892_PCB_004
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Sample ID: JW-E10-TISSUE-120516
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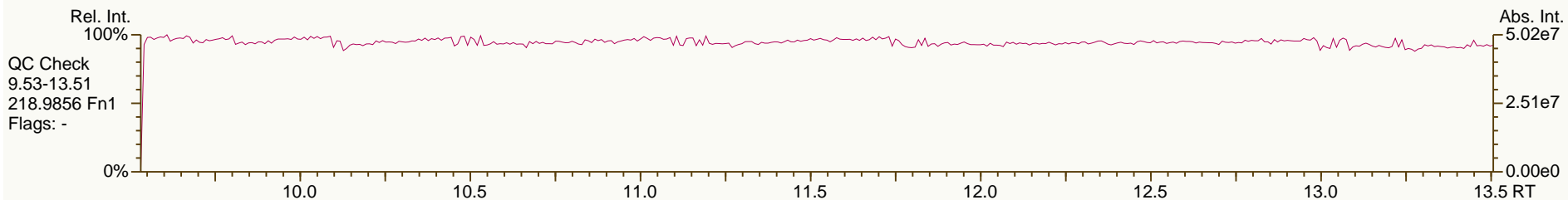
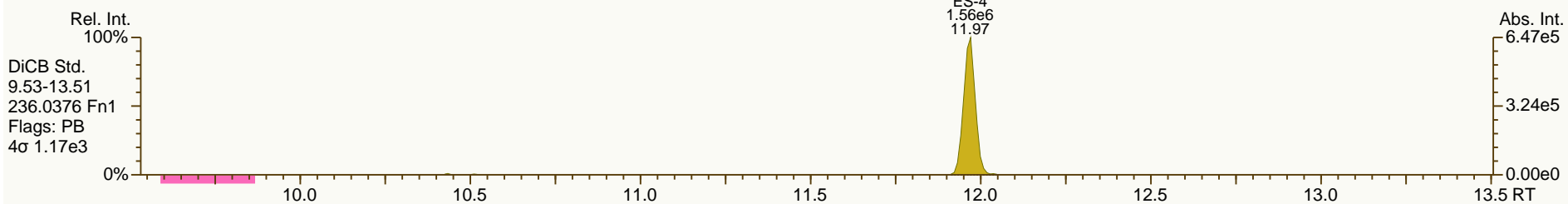
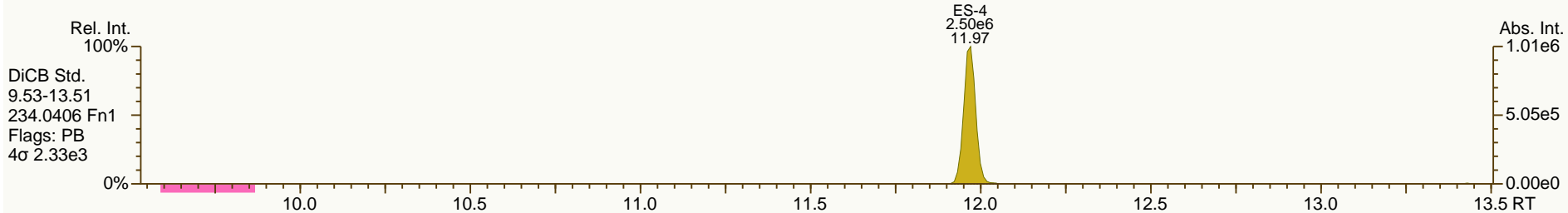
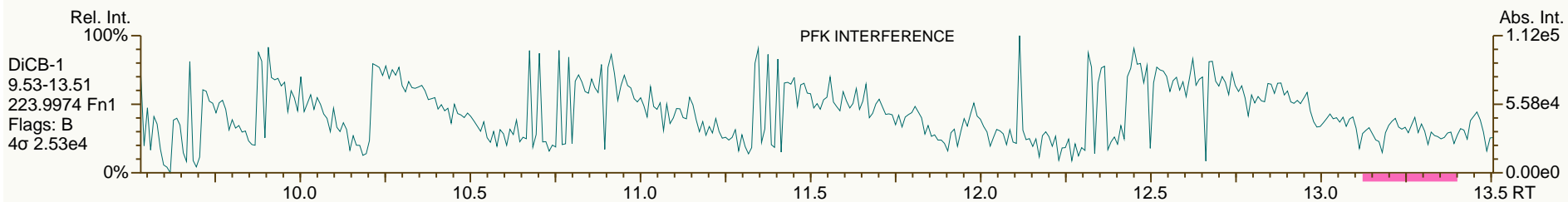
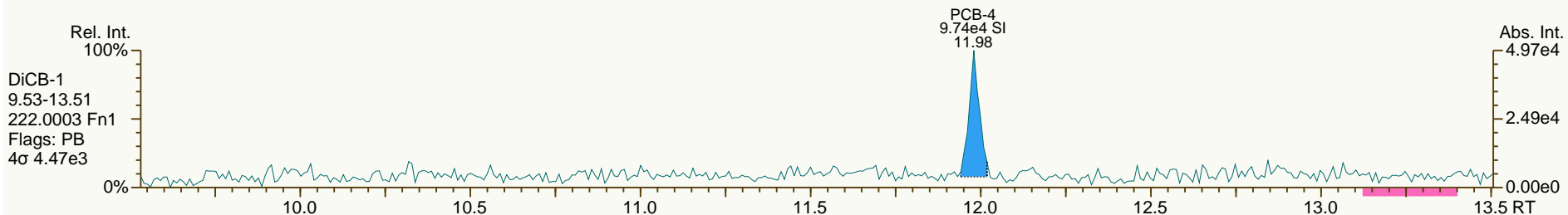
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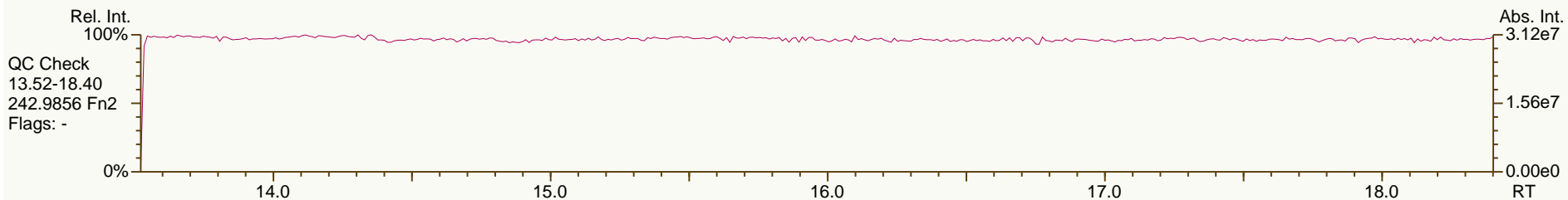
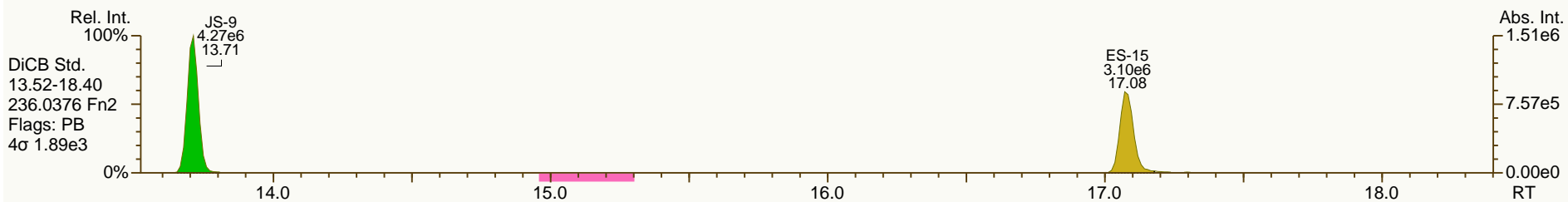
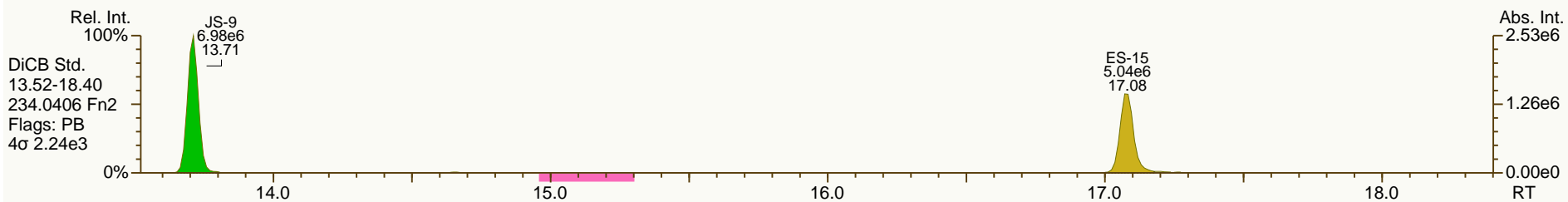
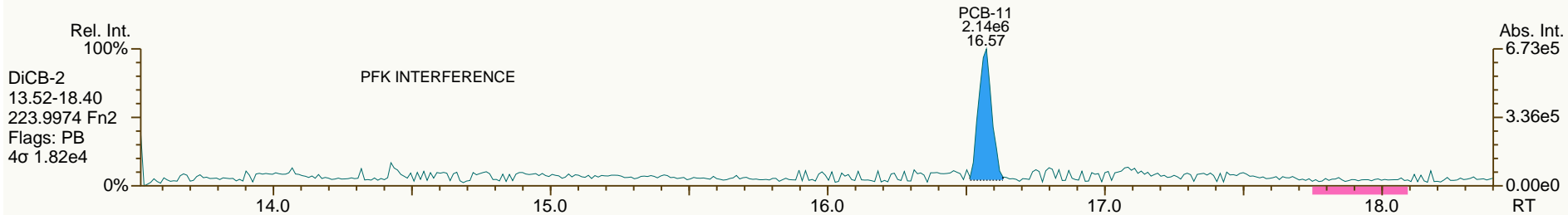
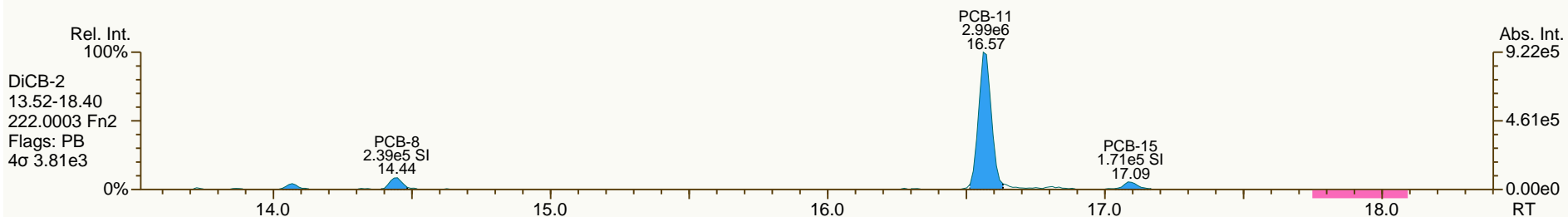
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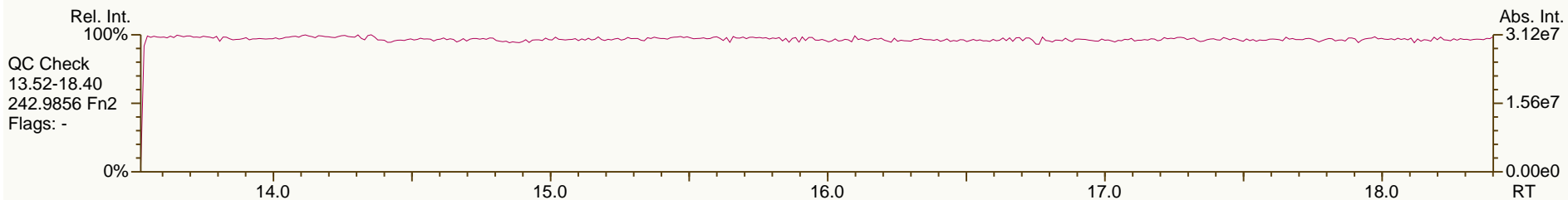
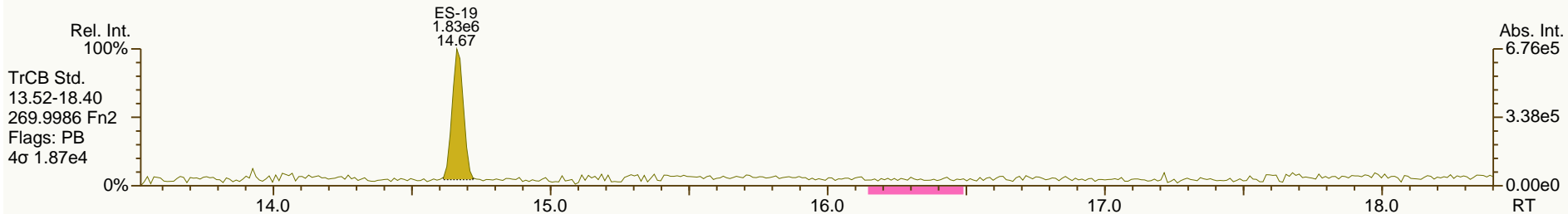
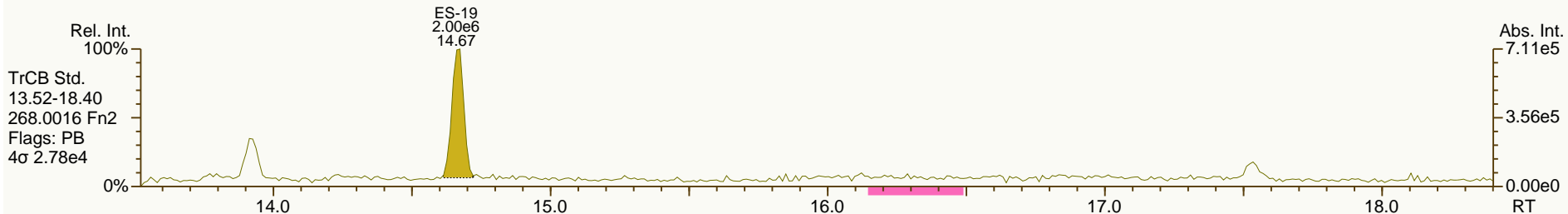
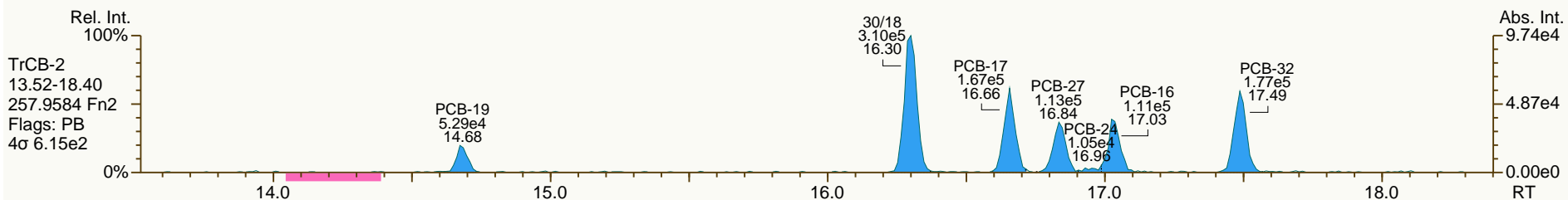
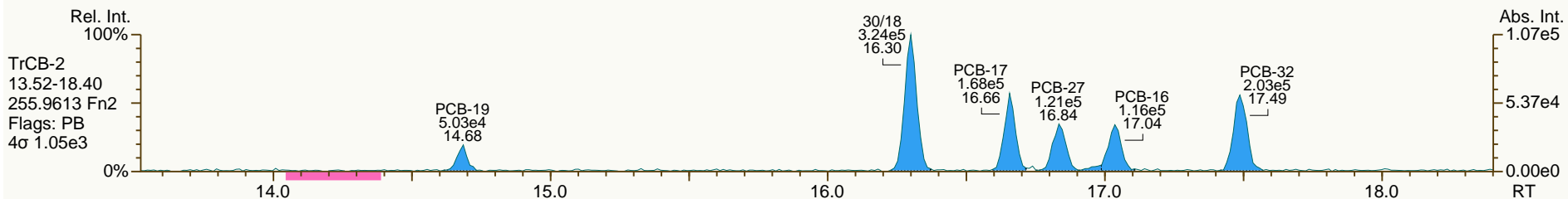
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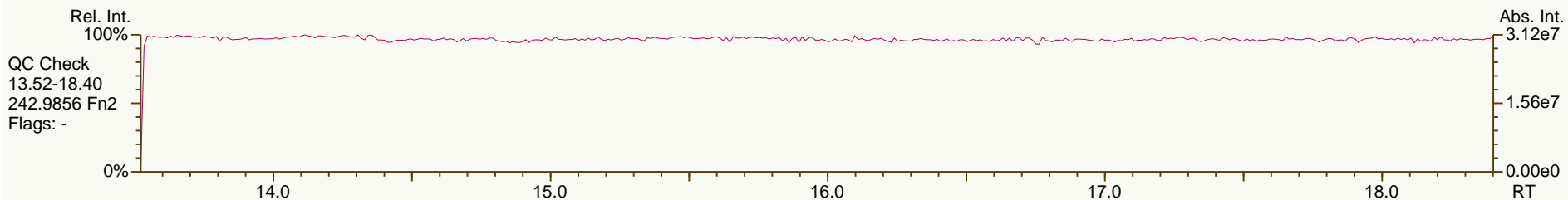
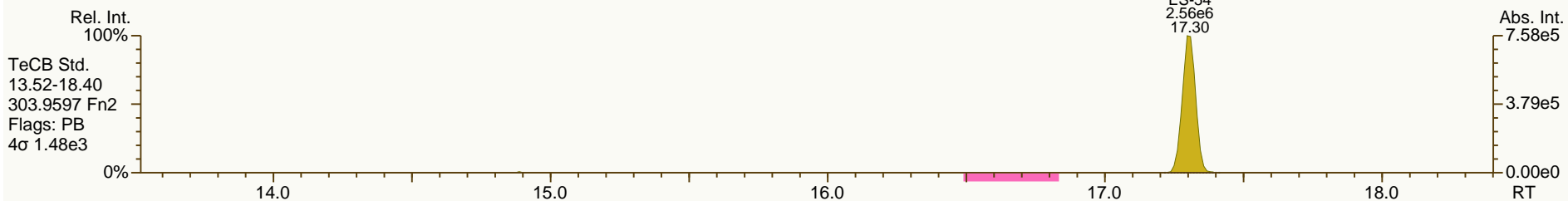
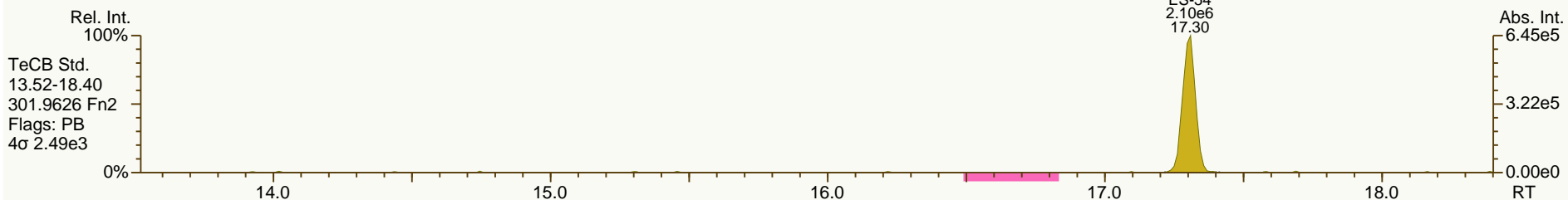
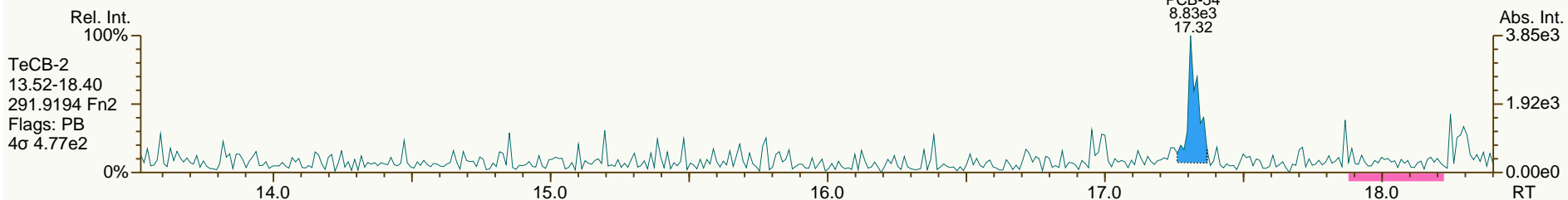
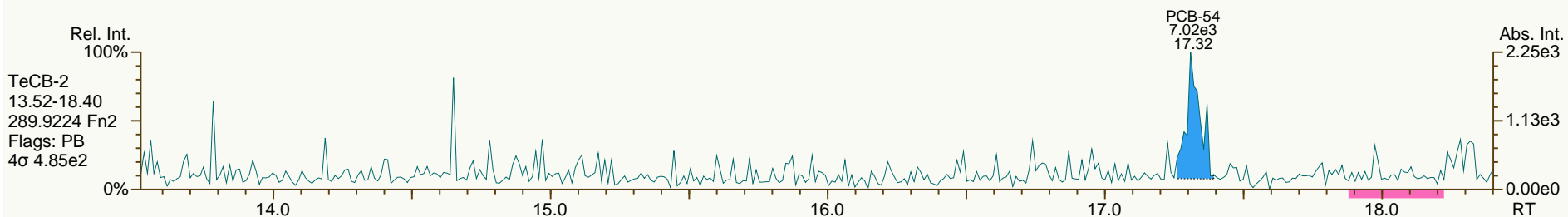
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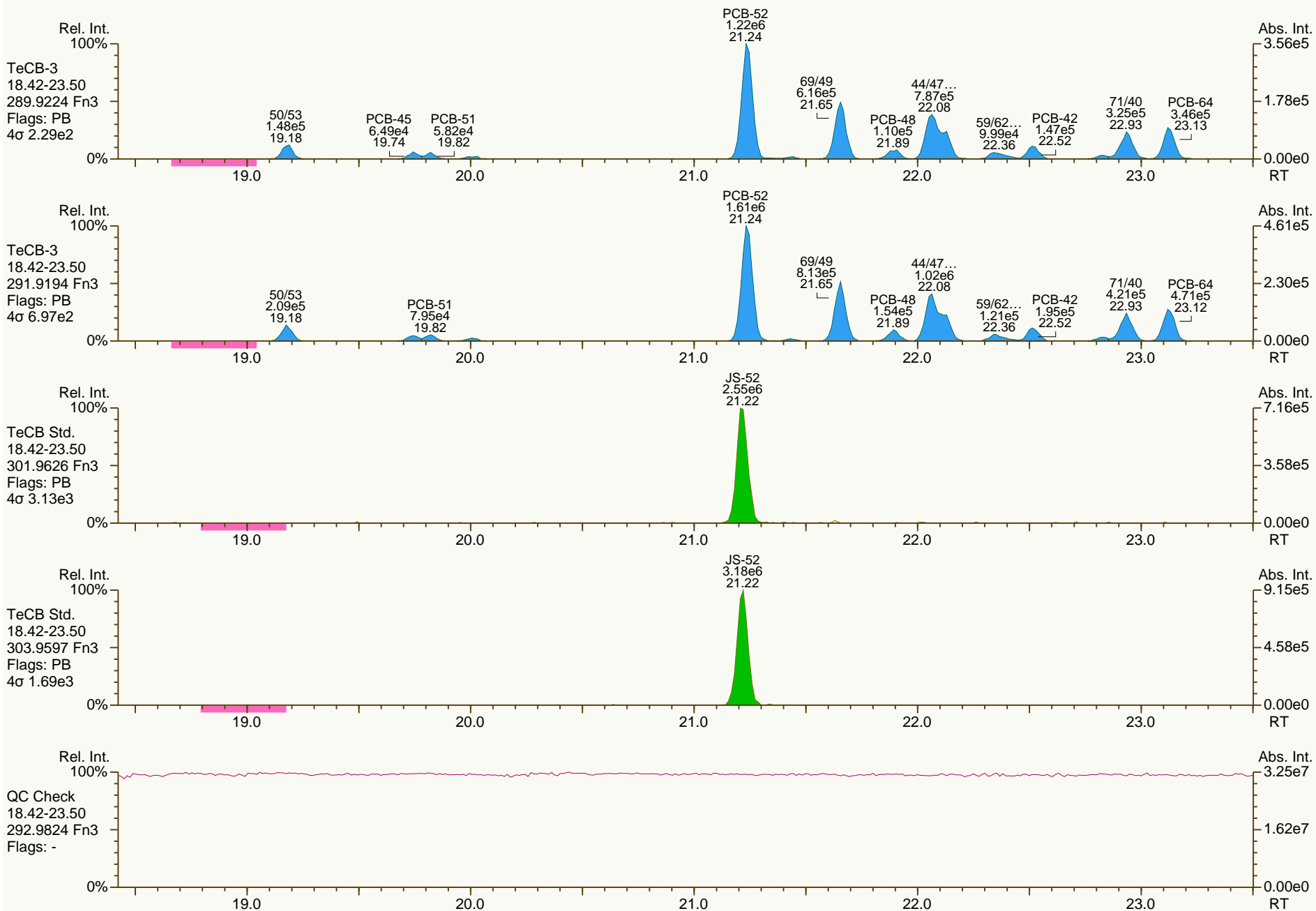
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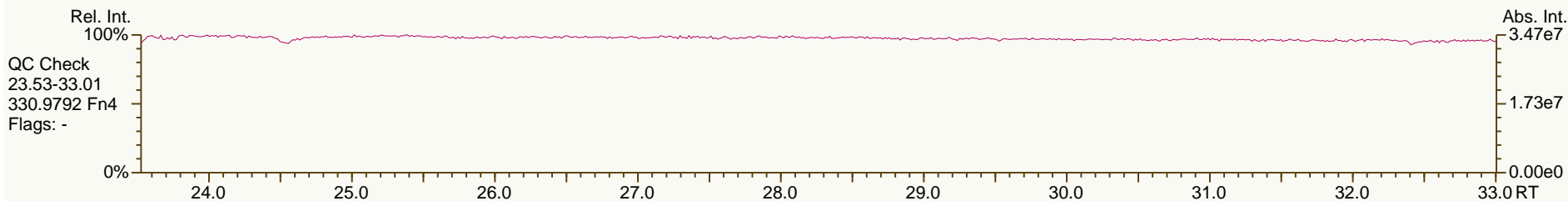
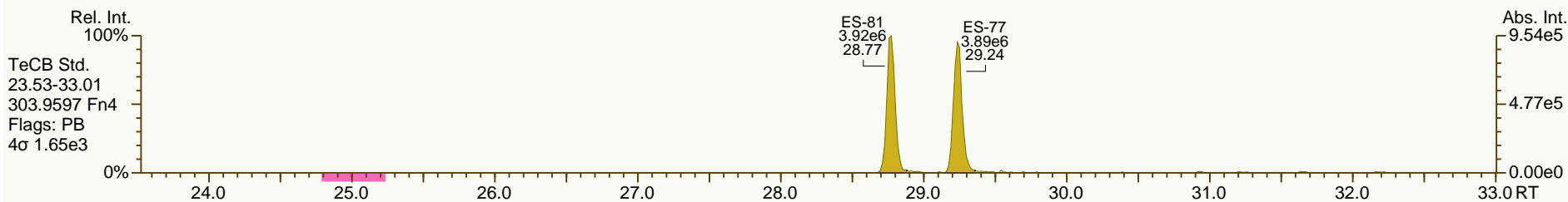
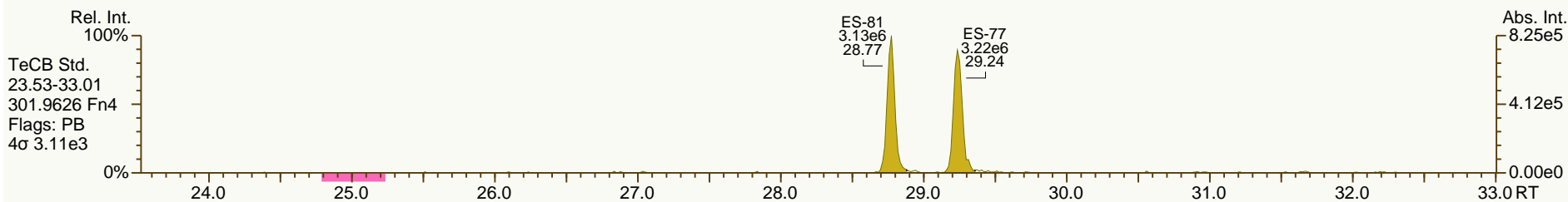
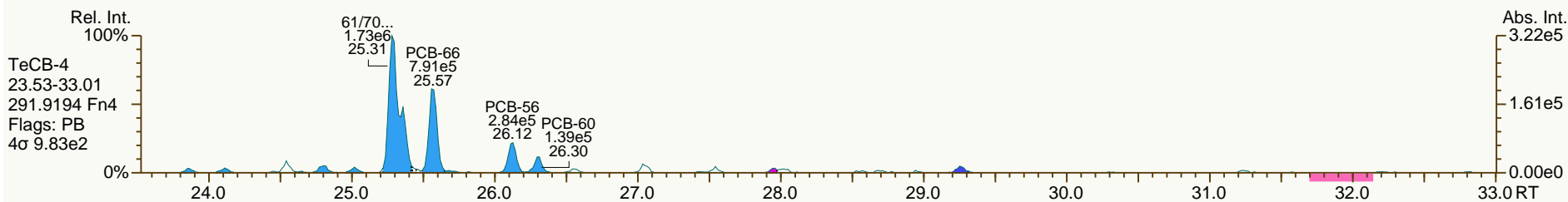
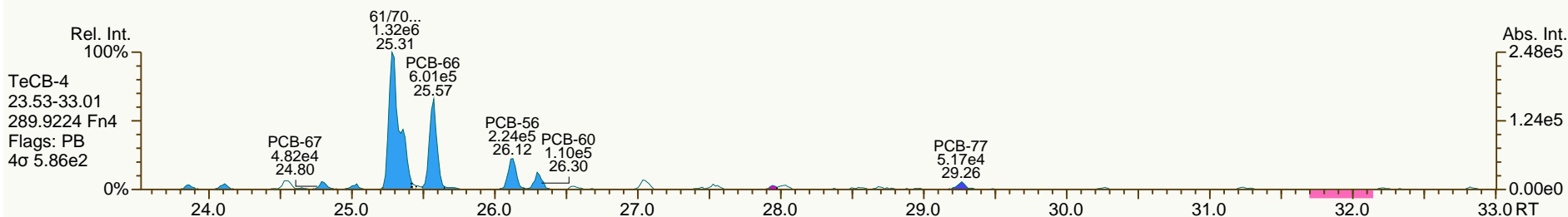
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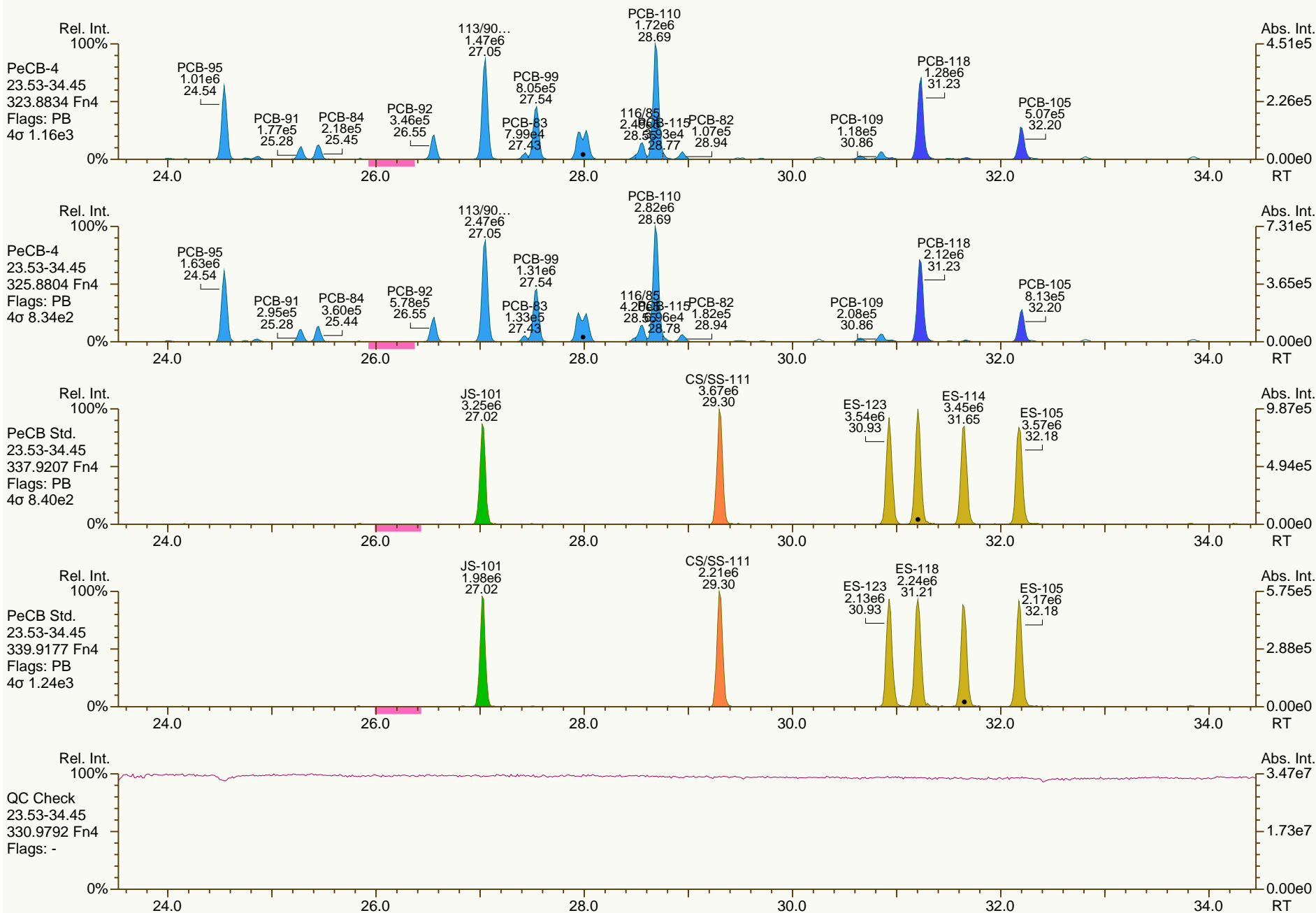
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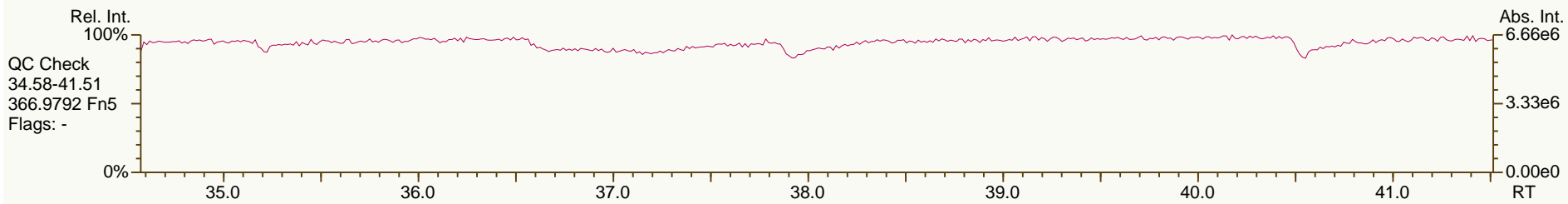
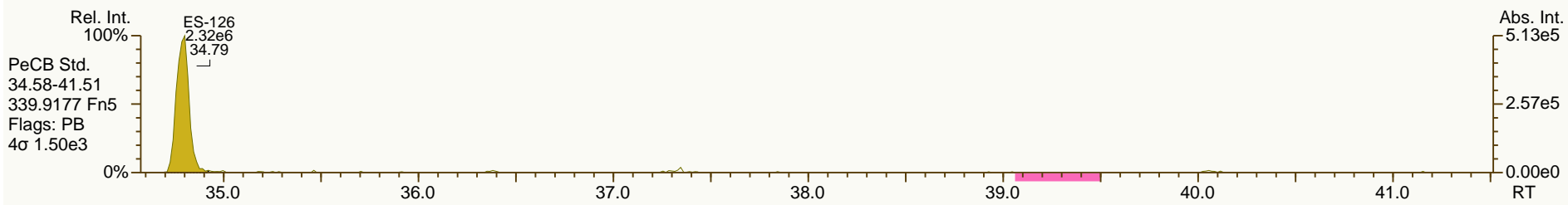
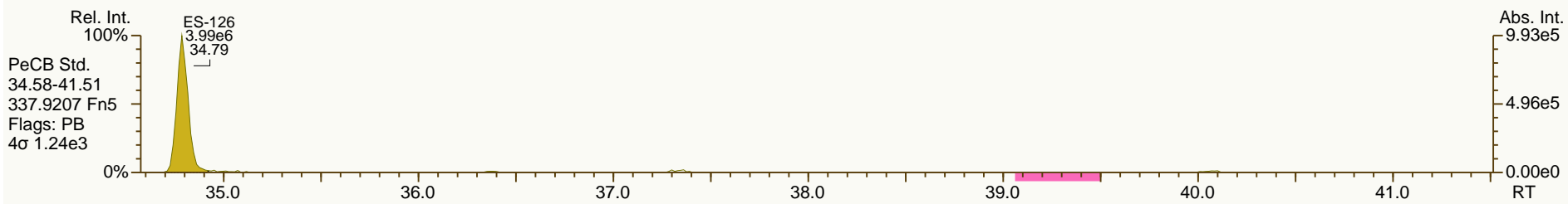
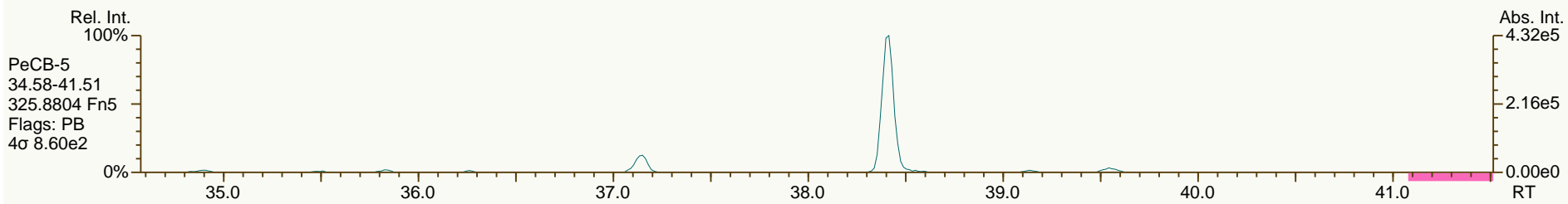
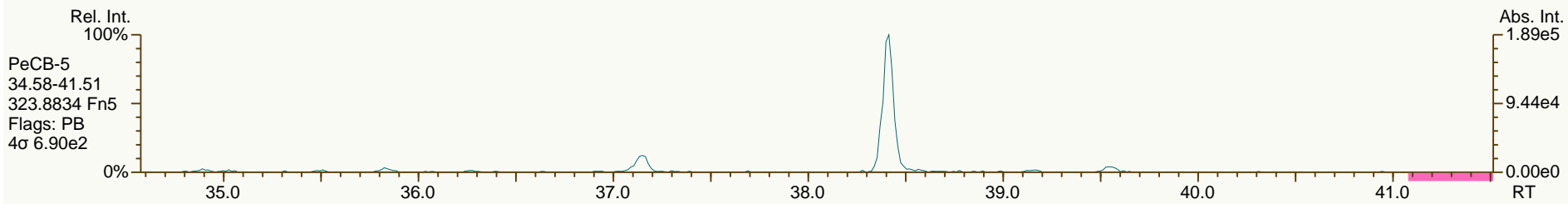
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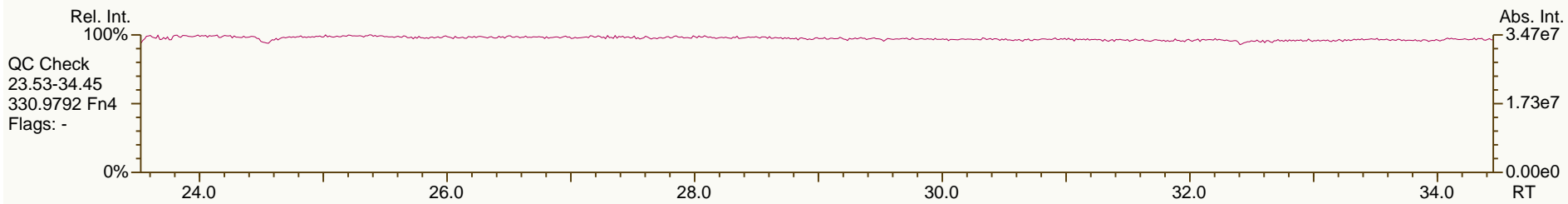
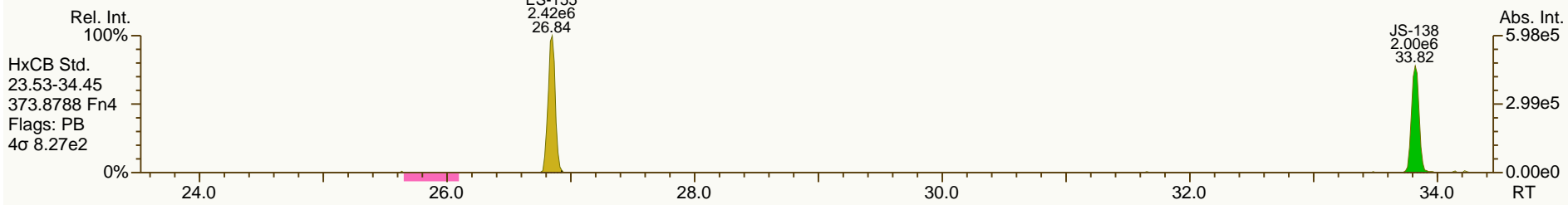
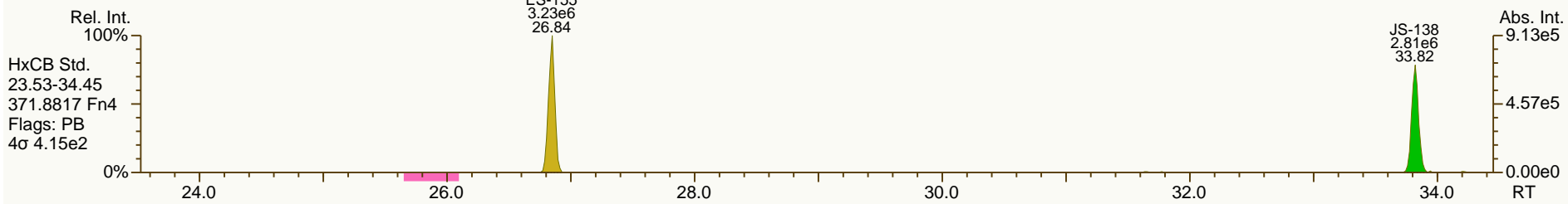
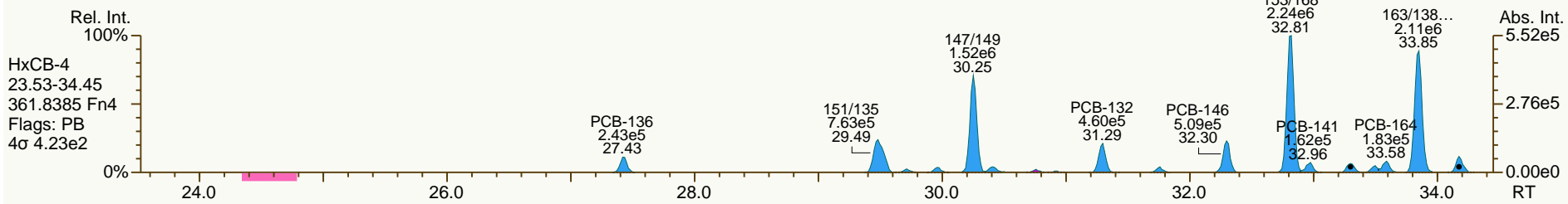
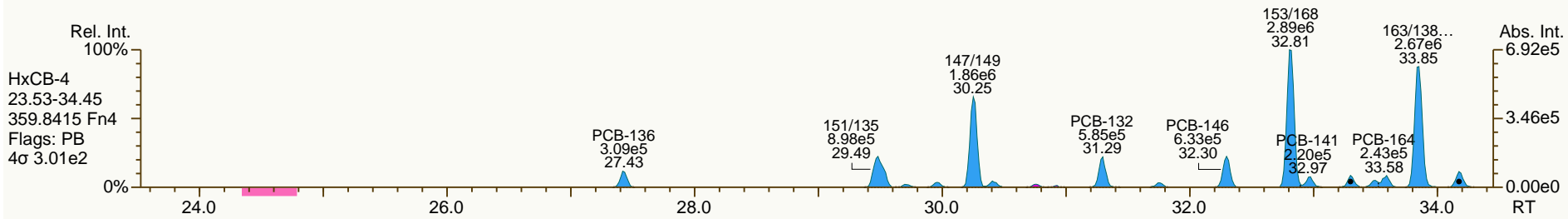
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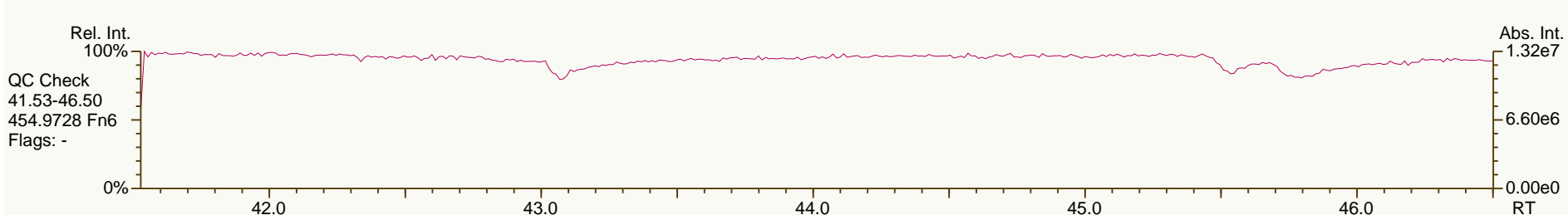
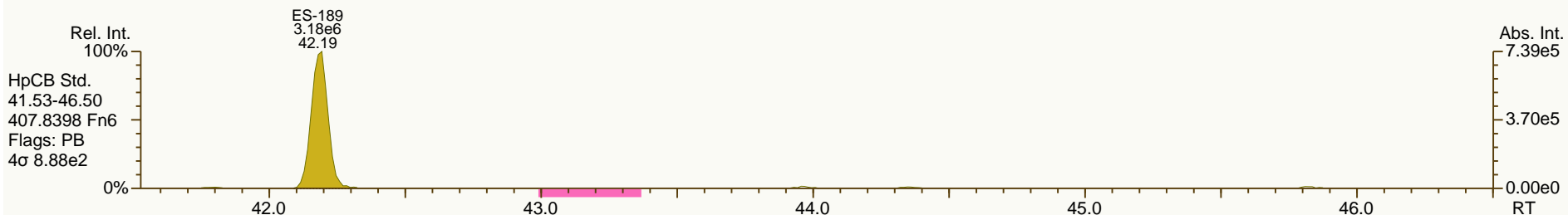
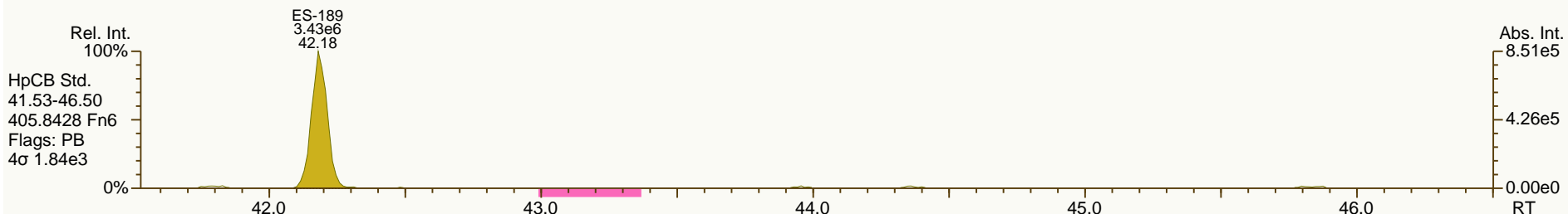
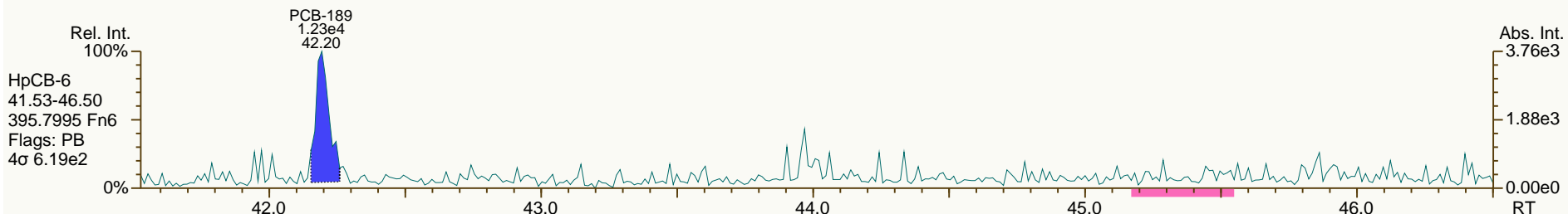
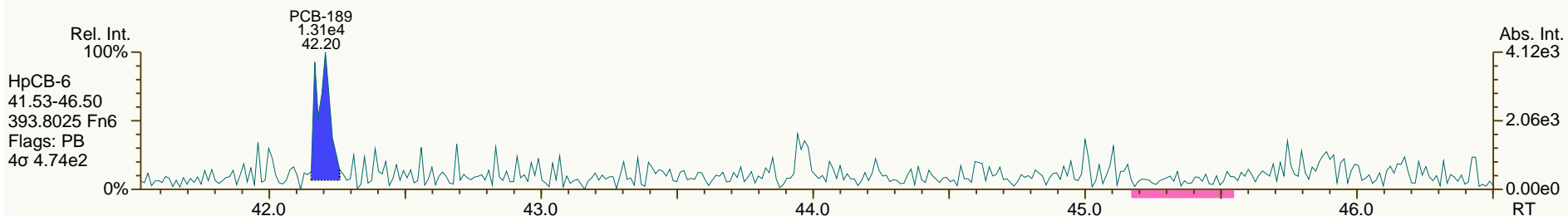
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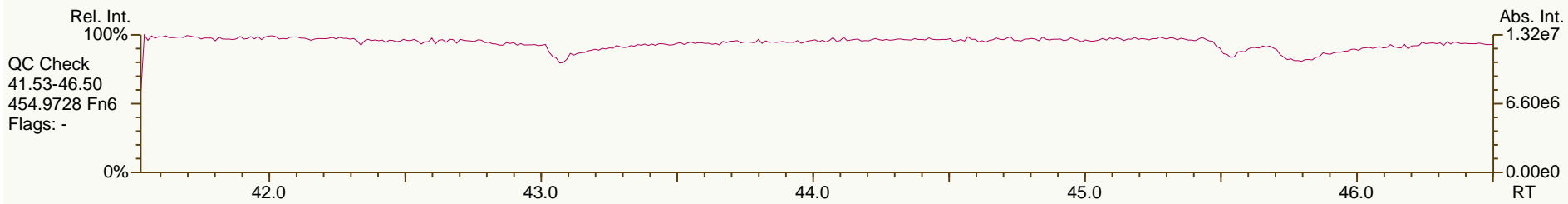
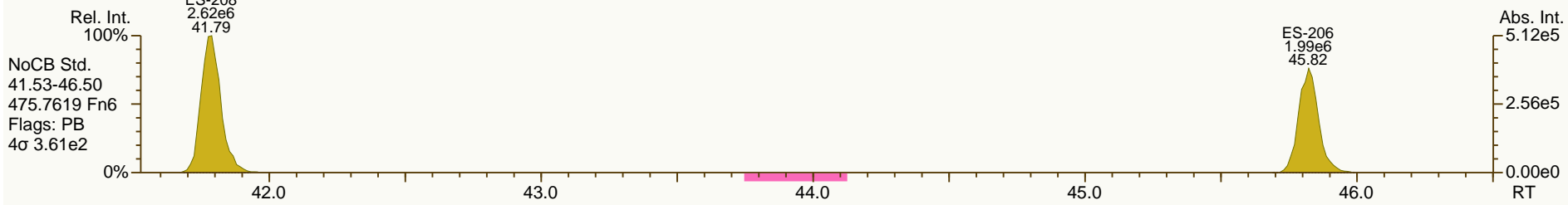
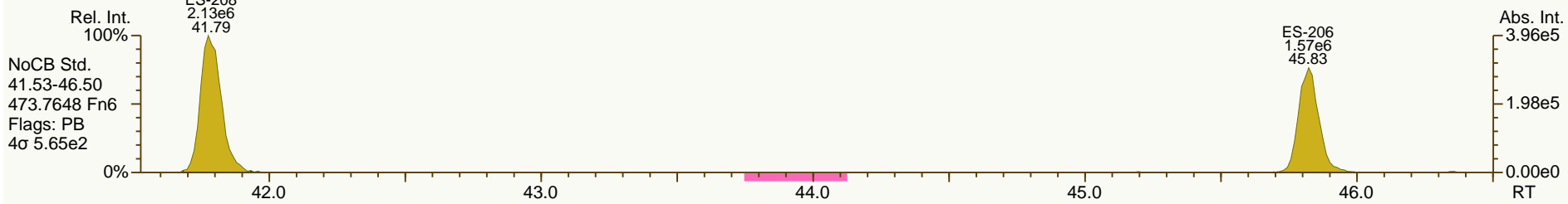
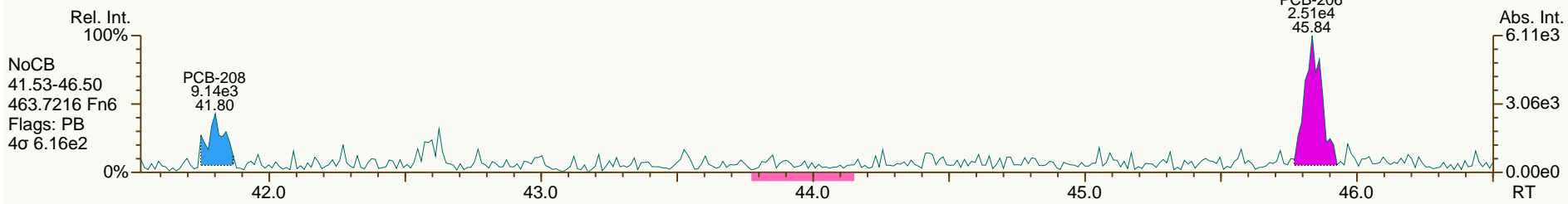
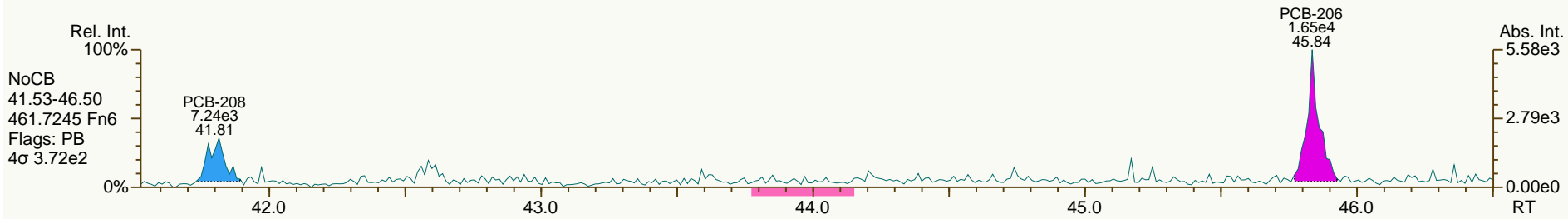
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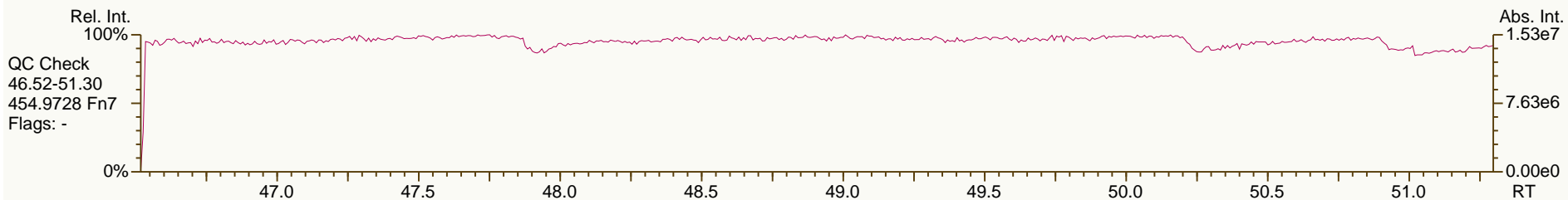
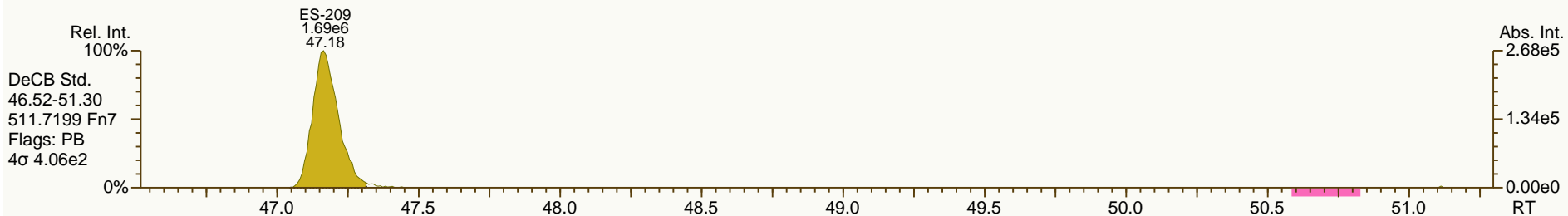
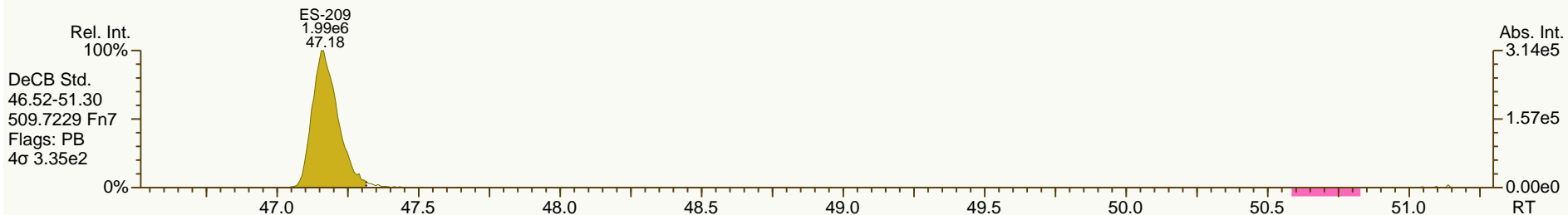
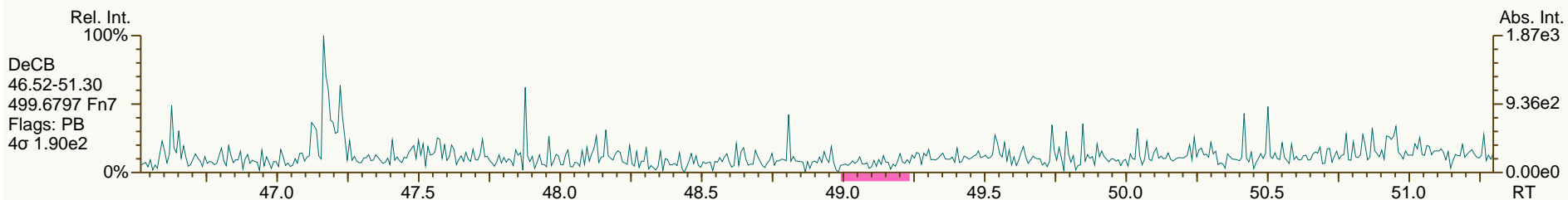
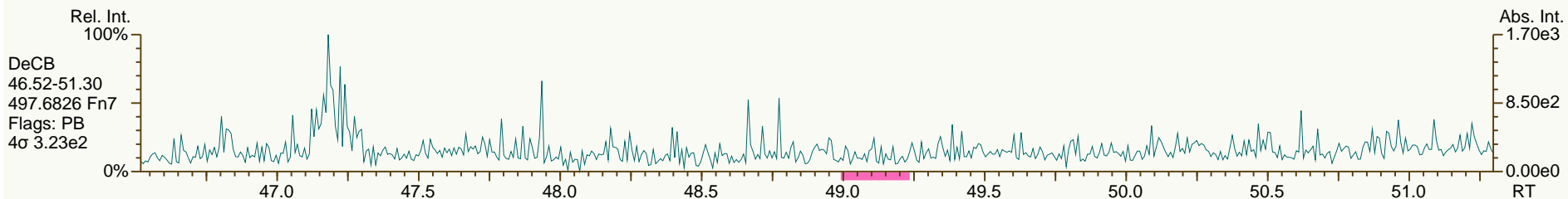
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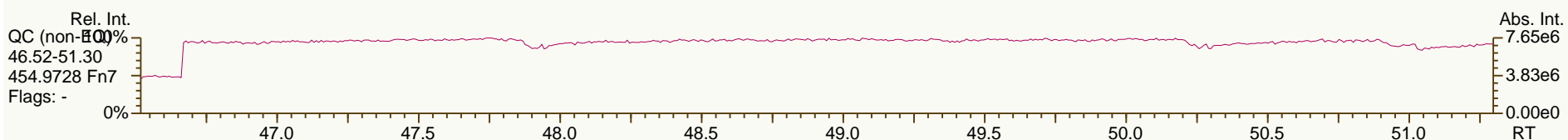
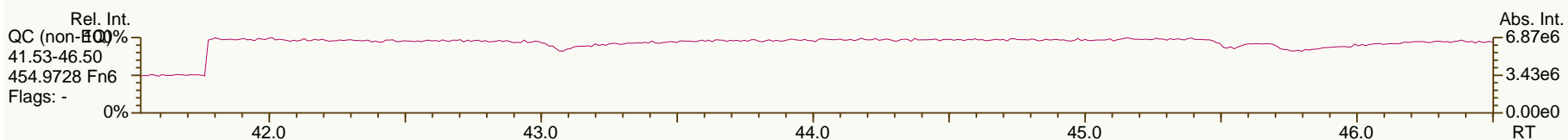
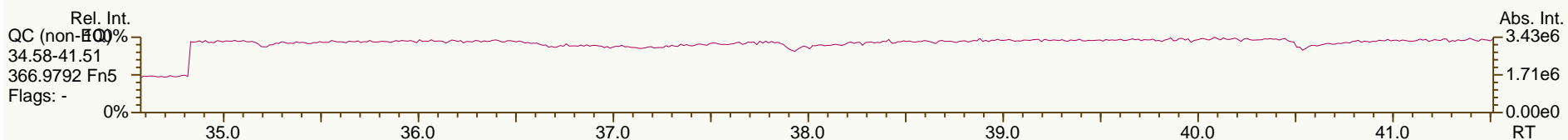
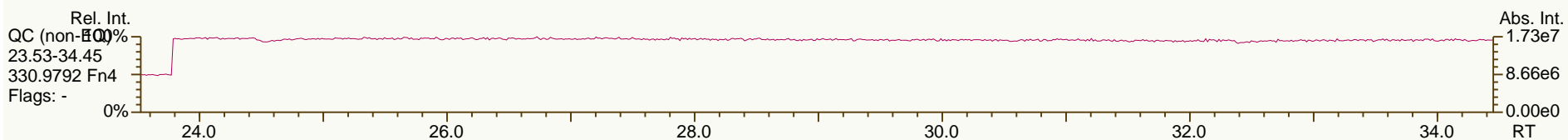
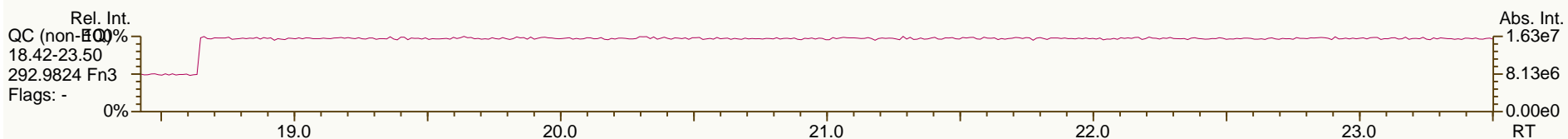
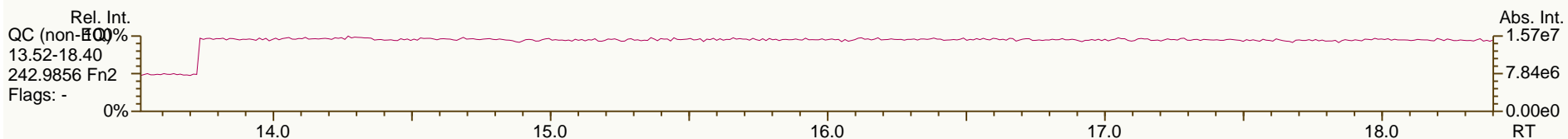
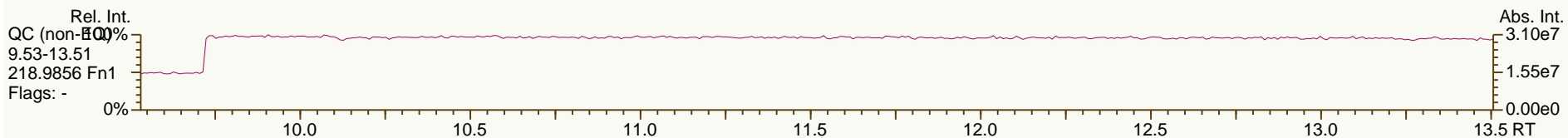
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AP Lab ID: A4369_9892_PCB_004
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-E10-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 23

Acq: 03-Jul-2012 20:47:34
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 Method 1668B

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PCB-77 33'44'-TeCB	29.26		1.0006	1.0007	+0.2	8.90E+04	0.78	1.22	1.38	1.86E+03	0.299
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.86E+03	0.276
PCB-105 233'44'-PeCB	32.20		1.0007	1.0007	0	7.17E+05	0.60	1.03	16.4	1.58E+03	0.363
PCB-114 2344'5'-PeCB	31.67	J	1.0007	1.0008	+0.2	3.87E+04	0.60	1.10	0.834	1.58E+03	0.345
PCB-118 23'44'5'-PeCB	31.23		1.0008	1.0007	-0.2	1.89E+06	0.59	1.03	41.2	1.58E+03	0.334
PCB-123 23'44'5'-PeCB	30.95	EMPC	1.0007	1.0007	0	4.69E+04	0.44	0.93	1.21	1.58E+03	0.409
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.54E+03	0.322
PCB-156/157 ...-HxCB	37.34	C	1.0005	1.0003	-0.4	2.64E+05	1.24	1.05	6	1.02E+03	0.318
PCB-167 23'44'55'-HxCB	36.39		1.0006	1.0005	-0.2	1.28E+05	1.27	1.08	2.87	1.02E+03	0.231
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.02E+03	0.292
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	0.204
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	6.35E+02	0.362
ES PCB-1	9.84		0.7181	0.7175	-0.4	9.18E+06	3.26	1.01	57.3 %	4%	100%
ES PCB-3	11.77		0.8583	0.8583	0	8.92E+06	3.34	1.05	53.6 %	11%	106%
ES PCB-4	11.97		0.8732	0.8730	-0.1	5.62E+06	1.57	0.70	51 %	14%	107%
ES PCB-15	17.08		1.2453	1.2457	+0.4	1.07E+07	1.64	1.17	58 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	5.14E+06	1.04	0.57	57.2 %	1%	108%
ES PCB-37	23.06		1.0865	1.0869	+0.6	9.00E+06	1.10	1.41	80.8 %	25%	123%
ES PCB-54	17.31		0.8157	0.8156	-0.1	6.01E+06	0.78	1.32	57.5 %	13%	105%
ES PCB-77	29.24		1.3777	1.3780	+0.5	8.99E+06	0.80	1.22	93.5 %	31%	109%
ES PCB-81	28.77		1.3557	1.3560	+0.5	9.00E+06	0.80	1.15	99 %	14%	127%
ES PCB-104	22.02		0.8147	0.8147	0	6.54E+06	1.66	1.69	53.7 %	36%	115%
ES PCB-105	32.18		1.1906	1.1907	+0.2	7.25E+06	1.67	1.21	83.2 %	50%	111%
ES PCB-114	31.65		1.1709	1.1711	+0.4	7.19E+06	1.61	1.23	80.8 %	41%	121%
ES PCB-118	31.21		1.1547	1.1548	+0.2	7.55E+06	1.66	1.25	84.1 %	49%	111%
ES PCB-123	30.93		1.1444	1.1445	+0.2	7.14E+06	1.66	1.33	74.6 %	49%	116%
ES PCB-126	34.79		1.2871	1.2873	+0.4	8.06E+06	1.61	1.36	82.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.85		0.7939	0.7938	-0.2	7.12E+06	1.31	1.40	73.9 %	25%	124%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	1.43E+07	1.25	1.13	92.1 %	40%	120%
ES PCB-167	36.37		1.0753	1.0753	0	7.03E+06	1.29	1.13	90.6 %	45%	118%
ES PCB-169	40.06		1.1842	1.1843	+0.2	5.82E+06	1.23	1.14	74.3 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	5.98E+06	1.06	1.34	65 %	23%	125%
ES PCB-189	42.18		0.9598	0.9597	-0.3	8.36E+06	1.06	1.77	89.7 %	47%	116%
ES PCB-202	36.17		0.8230	0.8229	-0.2	6.44E+06	0.90	1.27	73.9 %	31%	134%
ES PCB-205	44.35		1.0090	1.0090	0	5.54E+06	0.89	1.25	84 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.82		1.0424	1.0424	0	4.64E+06	0.77	1.07	82.3 %	38%	122%
ES PCB-208	41.79		0.9508	0.9507	-0.3	5.93E+06	0.81	1.34	83.9 %	31%	126%
ES PCB-209	47.18		1.0732	1.0733	+0.3	4.59E+06	1.23	1.18	73.4 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9269	0	9.50E+06	1.06	0.98	108 %	14%	131%
CS/SS PCB-111	29.30	V	1.0843	1.0843	0	7.81E+06	1.62	0.90	122 %	57%	112%
CS/SS PCB-178	34.22		1.0118	1.0118	0	4.36E+06	1.18	0.65	113 %	57%	125%
CS PCB-28	19.67		0.9269	0.9269	0	9.50E+06	1.06	1.39	86.9 %	14%	131%
CS PCB-111	29.30		1.0843	1.0843	0	7.81E+06	1.62	1.19	90.9 %	57%	112%
CS PCB-178	34.22		1.0118	1.0118	0	4.36E+06	1.18	0.87	73.3 %	57%	125%
JS PCB-9	13.71					1.58E+07	1.59				
JS PCB-52	21.22					7.89E+06	0.78				
JS PCB-101	27.02					7.21E+06	1.65				
JS PCB-138	33.82					6.86E+06	1.28				
JS PCB-194	43.95					5.28E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	4.36	4.36	0.249		
						Di-CBs	157	157	4.04		
						Tri-CBs	1,460	1,460	0.589		
						Tetra-CBs	1,600	1,600	0.251		
						Penta-CBs	476	481	0.341		
						Hexa-CBs	413	415	0.252		
						Hepta-CBs	101	103	0.322		
						Octa-CBs	17	18.9	0.262		
						Nona-CBs	0	0	0.389		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	1.06E+05	3.09	1.20	1.65	2.73E+03	0.21
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	8.86E+04	2.86	1.14	1.48	2.73E+03	0.286
PCB-3 4-MoCB	11.78		1.0010	1.0009	-0.1	7.32E+04	3.00	1.13	1.24	2.73E+03	0.289
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	7.77E+05	1.55	0.94	24.9	2.44E+04	4.6
PCB-10 26-DiCB	12.13		1.0142	1.0137	-0.4	8.86E+04	SI	1.67	1.61	1.07E+04	1.14
PCB-9 25-DiCB	13.73		1.0011	1.0012	+0.1	1.18E+05	SI	0.89	2.1	6.32E+03	0.951
PCB-7 24-DiCB	13.87		1.0116	1.0117	+0.1	1.08E+05	SI	1.05	1.64	6.32E+03	0.807
PCB-6 23'-DiCB	14.07		1.0261	1.0260	-0.1	5.13E+05	SI	0.96	8.5	6.32E+03	0.883
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.94	ND	2.61E+04	3.72
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	1.67E+06	1.68	1.01	26.2	2.61E+04	3.46
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.10	ND	2.61E+04	3.17
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	3.13E+06	1.62	0.94	52.9	2.61E+04	3.73
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9846	-0.9	3.00E+05	SI	0.94	5.04	6.32E+03	0.897
PCB-15 44'-DiCB	17.09		1.0008	1.0007	-0.1	2.16E+06	1.61	1.01	34.1	2.61E+04	3.47

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0012	+0.1	5.61E+05	1.06	1.01	18.4	1.96E+03	0.463
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	4.24E+06	1.05	1.23	115	1.96E+03	0.381
PCB-17 22'4-TrCB	16.66		1.1357	1.1358	+0.1	3.28E+06	1.04	1.05	104	1.96E+03	0.447
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	8.78E+05	1.06	1.38	21.1	1.96E+03	0.34
PCB-24 236-TrCB	16.95		1.1558	1.1557	-0.1	1.70E+05	0.96	1.30	4.33	1.96E+03	0.359
PCB-16 22'3-TrCB	17.04		1.1612	1.1615	+0.3	2.39E+06	1.05	0.85	92.8	1.96E+03	0.549
PCB-32 24'6-TrCB	17.49		1.1923	1.1924	+0.1	3.21E+06	1.05	1.46	72.7	1.96E+03	0.319
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.24	ND	4.64E+03	0.691
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.27	ND	4.64E+03	0.672
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8226	-1.1	3.44E+06	1.05	1.29	50.5	4.64E+03	0.665
PCB-25 23'4-TrCB	19.17		0.8315	0.8313	-0.2	1.69E+06	0.98	1.29	24.8	4.64E+03	0.665
PCB-31 24'5-TrCB	19.44		0.8430	0.8428	-0.2	2.09E+07	1.05	1.33	298	4.64E+03	0.646
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8537	-0.6	2.58E+07	1.05	1.26	389	4.64E+03	0.681
PCB-21/33 234/23'4'-TrCB	19.88	C	0.8612	0.8621	+1.1	4.65E+06	1.04	1.31	67.3	4.64E+03	0.655
PCB-22 234'-TrCB	20.21		0.8766	0.8765	-0.1	8.60E+06	1.04	1.21	134	4.64E+03	0.705
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.26	ND	4.64E+03	0.681
PCB-39 34'5-TrCB	21.90		0.9481	0.9494	+1.7	1.26E+05	0.96	1.32	1.81	4.64E+03	0.649
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.18	ND	4.64E+03	0.726
PCB-35 33'4-TrCB	22.74		0.9860	0.9861	+0.1	2.36E+05	1.05	1.15	3.87	4.64E+03	0.745
PCB-37 344'-TrCB	23.08		1.0008	1.0008	0	3.99E+06	1.03	1.20	62.9	4.64E+03	0.715
PCB-54 22'66'-TeCB	17.32	J	1.0010	1.0011	+0.1	2.69E+04	0.88	0.93	0.818	1.01E+03	0.254
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9040	-1.3	1.47E+06	0.76	0.83	33.6	9.13E+02	0.204
PCB-45 22'36-TeCB	19.75		0.9304	0.9306	+0.2	1.46E+06	0.73	0.68	40.6	9.13E+02	0.248
PCB-51 22'46'-TeCB	19.82		0.9340	0.9343	+0.4	4.82E+05	0.78	0.84	10.9	9.13E+02	0.201
PCB-46 22'36'-TeCB	20.01		0.9429	0.9428	-0.1	5.15E+05	0.80	0.68	14.4	9.13E+02	0.249
PCB-52 22'55'-TeCB	21.24		1.0010	1.0009	-0.1	1.13E+07	0.78	0.76	283	9.13E+02	0.223
PCB-73 23'5'6-TeCB	21.35		1.0069	1.0062	-0.9	5.09E+04	0.86	0.97	0.99	9.13E+02	0.174
PCB-43 22'35-TeCB	21.44		1.0106	1.0104	-0.3	5.24E+05	0.76	0.70	14.1	9.13E+02	0.24
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0206	+1.0	7.99E+06	0.77	0.94	162	9.13E+02	0.18
PCB-48 22'45-TeCB	21.90		1.0319	1.0319	0	3.13E+06	0.78	0.77	77.2	9.13E+02	0.22
PCB-44/47/65 ...-TeCB	22.08	C	1.0416	1.0407	-1.2	1.24E+07	0.78	0.83	282	9.13E+02	0.203
PCB-59/62/75 ...-TeCB	22.36	C	1.0541	1.0537	-0.5	2.07E+06	0.79	1.06	37	9.13E+02	0.159
PCB-42 22'34'-TeCB	22.52		1.0612	1.0612	0	3.16E+06	0.78	0.72	83.2	9.13E+02	0.235
PCB-41 22'34-TeCB	22.83		1.0759	1.0759	0	1.27E+06	0.77	0.64	37.7	9.13E+02	0.264
PCB-71/40 23'4'6/22'33'-TeCB	22.93	C	1.0806	1.0808	+0.3	5.00E+06	0.78	0.80	118	9.13E+02	0.211
PCB-64 234'6-TeCB	23.13		1.0899	1.0899	0	7.20E+06	0.78	1.10	124	9.13E+02	0.154
PCB-72 23'55'-TeCB	23.86		0.8295	0.8293	-0.3	1.43E+05	0.76	1.12	2.42	1.86E+03	0.306
PCB-68 23'45'-TeCB	24.11		0.8379	0.8378	-0.1	8.30E+04	0.76	1.22	1.29	1.86E+03	0.281
PCB-57 233'5-TeCB	24.45	EMPC	0.8501	0.8498	-0.4	7.73E+04	0.62	1.09	1.34	1.86E+03	0.313
PCB-58 233'5'-TeCB	24.65	J	0.8568	0.8566	-0.3	4.14E+04	0.85	1.11	0.705	1.86E+03	0.308
PCB-67 23'45-TeCB	24.80		0.8620	0.8620	0	4.90E+05	0.85	1.17	7.9	1.86E+03	0.292
PCB-63 234'5-TeCB	25.02		0.8697	0.8696	-0.2	3.82E+05	0.77	1.22	5.92	1.86E+03	0.281
PCB-61/70/74/76 ...-TeCB	25.32	C	0.8792	0.8799	+1.1	9.36E+06	0.78	1.13	157	1.86E+03	0.303
PCB-66 23'44'-TeCB	25.57		0.8888	0.8887	-0.2	4.22E+06	0.78	1.06	75.2	1.86E+03	0.323
PCB-55 233'4-TeCB	25.71		0.8932	0.8934	+0.3	1.13E+05	0.72	1.09	1.96	1.86E+03	0.313

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PCB-56 233'4'-TeCB	26.12		0.9080	0.9079	-0.2	8.35E+05	0.76	1.06	14.9	1.86E+03	0.323
PCB-60 2344'-TeCB	26.31		0.9144	0.9143	-0.2	4.29E+05	0.72	1.09	7.45	1.86E+03	0.314
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.86E+03	0.279
PCB-79 33'45'-TeCB	27.96	J	0.9718	0.9717	-0.2	4.38E+04	0.70	1.21	0.686	1.86E+03	0.284
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.02	ND	1.86E+03	0.338
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	1.07E+03	0.27
PCB-96 22'366'-PeCB	22.33		1.0141	1.0141	0	8.69E+04	0.64	0.89	2.54	1.07E+03	0.278
PCB-103 22'45'6'-PeCB	24.01	EMPC	0.8883	0.8883	0	4.80E+04	0.76	0.83	1.39	1.58E+03	0.458
PCB-94 22'356'-PeCB	24.18	EMPC	0.8946	0.8946	0	3.94E+04	0.52	0.72	1.3	1.58E+03	0.525
PCB-95 22'35'6'-PeCB	24.54		0.9082	0.9082	0	2.89E+06	0.59	0.75	91.4	1.58E+03	0.503
PCB-100/93 22'44'6'/22'356'-PeCB	24.75	C	0.9158	0.9159	+0.1	8.72E+04	0.56	0.77	2.7	1.58E+03	0.492
PCB-102 22'456'-PeCB	24.86		0.9198	0.9199	+0.1	1.94E+05	0.64	0.88	5.26	1.58E+03	0.43
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.68	ND	1.58E+03	0.558
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.68	ND	1.58E+03	0.56
PCB-91 22'34'6'-PeCB	25.28		0.9352	0.9353	+0.2	5.50E+05	0.61	0.85	15.5	1.58E+03	0.447
PCB-84 22'33'6'-PeCB	25.45		0.9416	0.9416	0	4.21E+05	0.61	0.66	15.3	1.58E+03	0.577
PCB-89 22'346'-PeCB	25.85	EMPC	0.9567	0.9566	-0.2	2.91E+04	0.72	0.68	1.01	1.58E+03	0.553
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.01	ND	1.58E+03	0.376
PCB-92 22'355'-PeCB	26.55		0.9825	0.9825	0	7.80E+05	0.61	0.71	26.1	1.58E+03	0.532
PCB-113/90/101 ...-PeCB	27.05	C	0.9999	1.0008	+1.5	2.77E+06	0.60	0.86	76.8	1.58E+03	0.441
PCB-83 22'33'5'-PeCB	27.43		1.0150	1.0149	-0.2	1.30E+05	0.60	0.62	5.02	1.58E+03	0.611
PCB-99 22'44'5'-PeCB	27.54		1.0190	1.0190	0	1.37E+06	0.62	0.77	42.6	1.58E+03	0.494
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.58E+03	0.366
PCB-108/119/86/97/125...-PeCB	27.99	C	1.0347	1.0355	+1.3	1.31E+06	0.60	0.89	35.1	1.58E+03	0.426
PCB-117 234'56'-PeCB	28.48		1.0539	1.0538	-0.2	5.49E+04	0.65	0.70	1.86	1.58E+03	0.539
PCB-116/85 23456/22'344'-PeCB	28.55	C	1.0566	1.0565	-0.2	4.42E+05	0.63	0.98	10.7	1.58E+03	0.385
PCB-110 233'4'6'-PeCB	28.69		1.0615	1.0616	+0.2	2.94E+06	0.60	0.97	72.2	1.58E+03	0.391
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0653	+1.6	3.88E+04	0.63	1.00	0.922	1.58E+03	0.377
PCB-82 22'33'4'-PeCB	28.95		1.0711	1.0711	0	1.51E+05	0.58	0.63	5.74	1.58E+03	0.602
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.01	ND	1.58E+03	0.376
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.02	ND	1.58E+03	0.371
PCB-107/124 ...-PeCB	30.66	C	0.9909	0.9911	+0.4	1.07E+05	0.55	0.95	2.68	1.58E+03	0.397
PCB-109 233'46'-PeCB	30.86		0.9976	0.9975	-0.2	1.80E+05	0.60	1.05	4.09	1.58E+03	0.361
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.97	ND	1.58E+03	0.388
PCB-122 233'4'5'-PeCB	31.51	J	1.0095	1.0097	+0.4	2.88E+04	0.55	0.91	0.747	1.58E+03	0.414
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.98	ND	1.58E+03	0.378
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	7.77E+02	0.166
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	7.77E+02	0.178
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.00	ND	7.77E+02	0.176
PCB-136 22'33'66'-HxCB	27.43		1.0216	1.0216	0	3.19E+05	1.28	0.92	8.32	7.77E+02	0.191
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.93	ND	7.77E+02	0.188
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	7.77E+02	0.243
PCB-151/135 ...-HxCB	29.49	C	1.0986	1.0985	-0.2	1.08E+06	1.20	0.71	36.1	7.77E+02	0.245
PCB-154 22'44'56'-HxCB	29.71		1.1067	1.1068	+0.2	5.75E+04	1.38	0.79	1.74	7.77E+02	0.221
PCB-144 22'345'6'-HxCB	29.96		1.1158	1.1159	+0.2	9.44E+04	1.11	0.72	3.15	7.77E+02	0.244

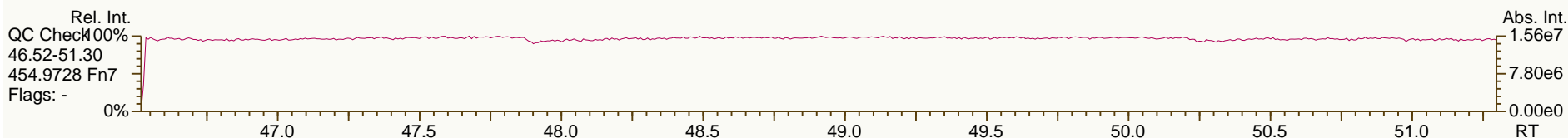
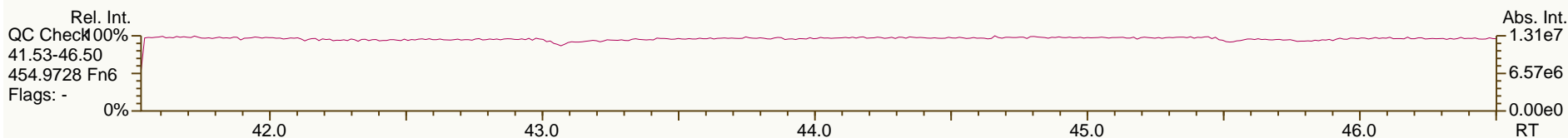
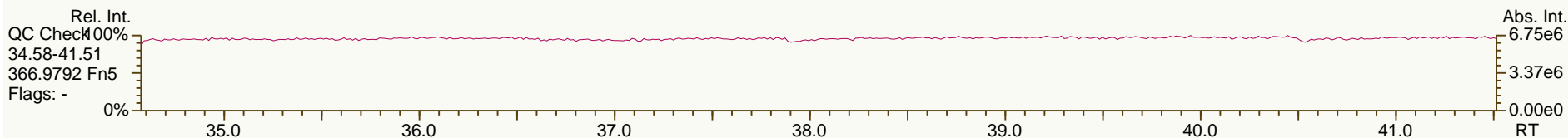
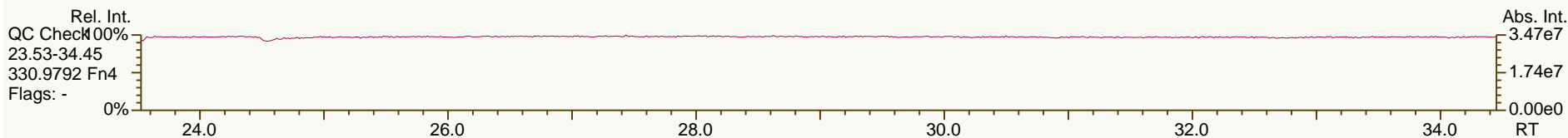
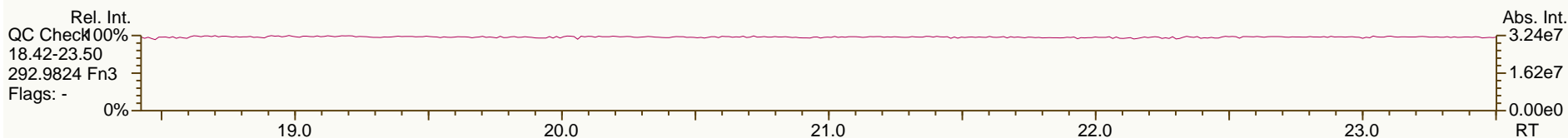
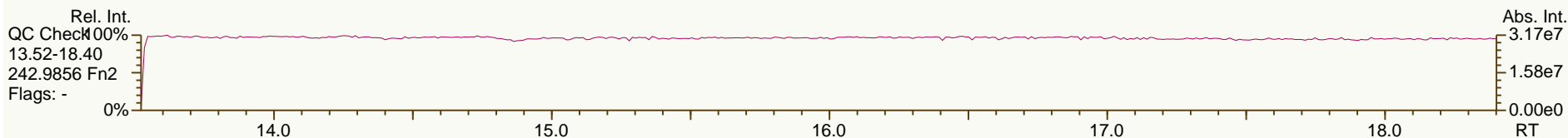
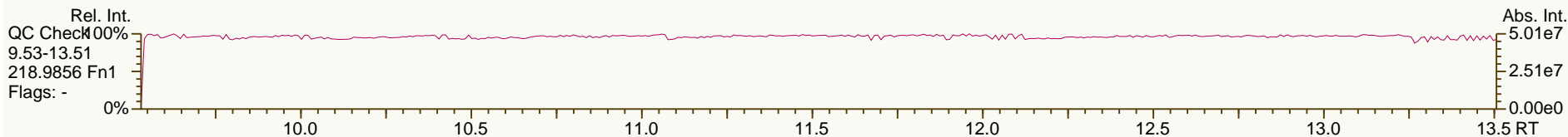
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PCB-147/149 ...-HxCB	30.25	C	1.1269	1.1269	0	2.02E+06	1.24	0.73	65.8	7.77E+02	0.239
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1330	+0.7	1.59E+05	1.33	0.60	6.31	7.77E+02	0.291
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.70	ND	7.77E+02	0.251
PCB-139/140 ...-HxCB	30.76	EMPC C	1.1458	1.1457	-0.2	6.69E+04	1.53	0.75	2.14	7.77E+02	0.234
PCB-131 22'33'46"-HxCB	30.91		1.1516	1.1515	-0.2	2.42E+04	1.42	0.62	0.93	7.77E+02	0.281
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	7.77E+02	0.26
PCB-132 22'33'46"-HxCB	31.29		1.1655	1.1657	+0.4	6.17E+05	1.20	0.67	22	7.77E+02	0.261
PCB-133 22'33'55"-HxCB	31.76		1.1826	1.1829	+0.6	1.27E+05	1.20	0.66	4.59	7.77E+02	0.263
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.83	ND	7.77E+02	0.212
PCB-146 22'34'55"-HxCB	32.30		0.9550	0.9550	0	7.94E+05	1.29	0.72	26.2	7.77E+02	0.241
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.95	ND	7.77E+02	0.185
PCB-153/168 ...-HxCB	32.82	C	0.9709	0.9702	-1.4	3.06E+06	1.28	0.89	82.5	7.77E+02	0.197
PCB-141 22'3455"-HxCB	32.96		0.9746	0.9746	0	2.51E+05	1.24	0.67	8.99	7.77E+02	0.262
PCB-130 22'33'45"-HxCB	33.30		0.9847	0.9846	-0.2	2.51E+05	1.21	0.61	9.77	7.77E+02	0.285
PCB-137 22'344'5"-HxCB	33.49		0.9904	0.9903	-0.2	1.73E+05	1.41	0.72	5.73	7.77E+02	0.243
PCB-164 233'4'5'6"-HxCB	33.58		0.9930	0.9929	-0.2	2.76E+05	1.31	0.93	7.09	7.77E+02	0.188
PCB-163/138/129 ...-HxCB	33.85	C	1.0012	1.0008	-0.8	2.95E+06	1.29	0.76	92.9	7.77E+02	0.231
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.91	ND	7.77E+02	0.191
PCB-158 233'44'6"-HxCB	34.18		1.0106	1.0106	0	3.41E+05	1.30	0.96	8.49	7.77E+02	0.182
PCB-128/166 ...-HxCB	34.89	C	0.9593	0.9594	+0.2	4.82E+05	1.30	0.90	13	1.02E+03	0.277
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.06	ND	1.02E+03	0.236
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.09	ND	1.02E+03	0.228
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	1.01E+03	0.291
PCB-179 22'33'566"-HpCB	31.94		1.0089	1.0090	+0.2	2.64E+05	1.01	1.09	6.87	1.01E+03	0.284
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.05	ND	1.01E+03	0.295
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0325	+0.2	6.54E+04	1.04	1.17	1.59	1.01E+03	0.265
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.13	ND	1.01E+03	0.275
PCB-178 22'33'55'6"-HpCB	34.24		1.0816	1.0817	+0.2	2.39E+05	1.16	0.82	8.3	1.01E+03	0.379
PCB-175 22'33'45'6"-HpCB	34.79	J EMPC	1.0985	1.0988	+0.6	1.89E+04	0.69	0.86	0.625	1.20E+03	0.427
PCB-187 22'34'55'6"-HpCB	35.01		1.1057	1.1058	+0.2	8.94E+05	1.07	0.91	28	1.20E+03	0.405
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.93	ND	1.20E+03	0.396
PCB-183 22'344'5'6"-HpCB	35.52		1.1219	1.1220	+0.2	2.94E+05	0.99	1.00	8.38	1.20E+03	0.368
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.84	ND	1.20E+03	0.439
PCB-174 22'33'456"-HpCB	35.70		1.1276	1.1277	+0.2	1.85E+05	0.90	0.77	6.88	1.20E+03	0.48
PCB-177 22'33'45'6"-HpCB	36.07		1.1393	1.1394	+0.2	3.21E+05	1.00	0.77	11.9	1.20E+03	0.479
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.90	ND	1.20E+03	0.41
PCB-171/173 ...-HpCB	36.60	C	1.1556	1.1562	+1.3	1.12E+05	1.03	0.80	3.98	1.20E+03	0.459
PCB-172 22'33'455"-HpCB	37.99	J	0.9003	0.9005	+0.5	2.95E+04	1.07	0.72	0.84	1.20E+03	0.364
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.20E+03	0.287
PCB-180/193 ...-HpCB	38.52	C	0.9127	0.9132	+1.2	7.95E+05	1.07	0.84	19.2	1.20E+03	0.31
PCB-191 233'44'5'6"-HpCB	38.82	J EMPC	0.9203	0.9203	0	2.33E+04	0.79	0.94	0.507	1.20E+03	0.278
PCB-170 22'33'44'5"-HpCB	39.57		0.9380	0.9380	0	1.40E+05	0.93	0.70	4.09	1.20E+03	0.374
PCB-190 233'44'56"-HpCB	40.02		0.9486	0.9486	0	6.49E+04	1.05	0.91	1.45	1.20E+03	0.286
PCB-202 22'33'55'66"-OoCB	36.19		1.0006	1.0007	+0.2	1.49E+05	0.83	0.83	4.78	8.31E+02	0.284
PCB-201 22'33'45'66"-OoCB	36.97		1.0221	1.0221	0	5.07E+04	0.81	0.95	1.42	8.31E+02	0.249

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	8.31E+02	0.26
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.88	ND	8.31E+02	0.266
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.84	ND	8.31E+02	0.28
PCB-198/199 ...-OcCB	40.18	C	1.1102	1.1110	+1.9	1.70E+05	0.97	0.67	6.67	8.31E+02	0.349
PCB-196 22'33'44'56'-OcCB	40.73		1.1260	1.1262	+0.5	6.26E+04	0.86	0.68	2.42	8.31E+02	0.344
PCB-203 22'344'55'6-OcCB	40.89	EMPC	1.1306	1.1306	0	5.29E+04	1.18	0.72	1.94	8.31E+02	0.327
PCB-195 22'33'44'56-OcCB	42.00	J	0.9469	0.9469	0	1.24E+04	1.02	0.66	0.579	7.88E+02	0.398
PCB-194 22'33'44'55'-OcCB	43.97		0.9915	0.9915	0	2.68E+04	0.94	0.72	1.14	7.88E+02	0.361
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.88E+02	0.239
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	9.36E+02	0.338
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		0.99	ND	9.36E+02	0.332
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	9.36E+02	0.441

AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

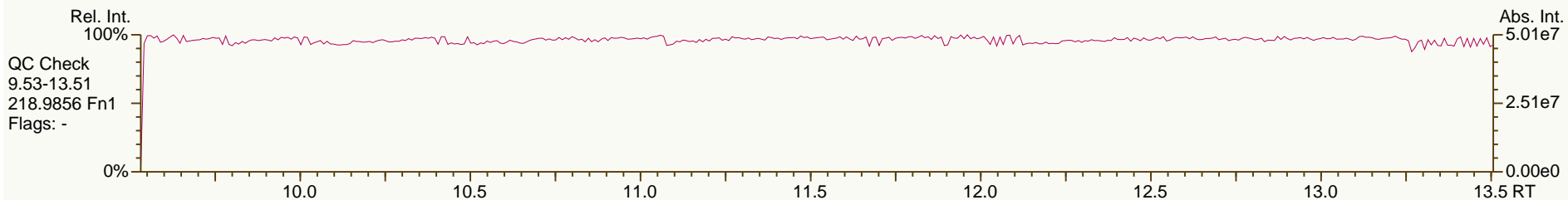
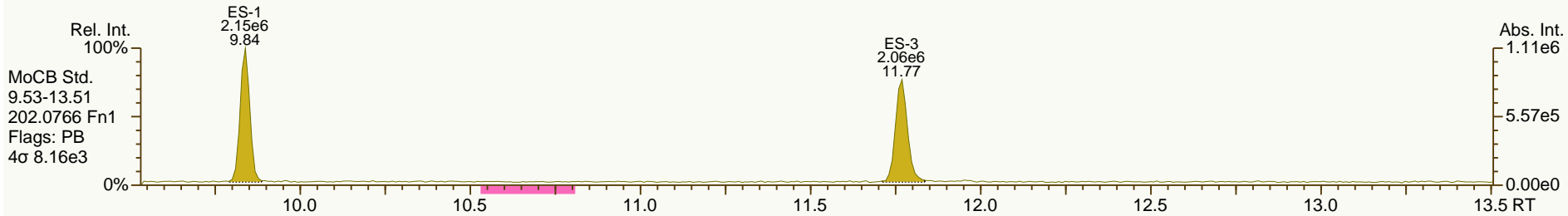
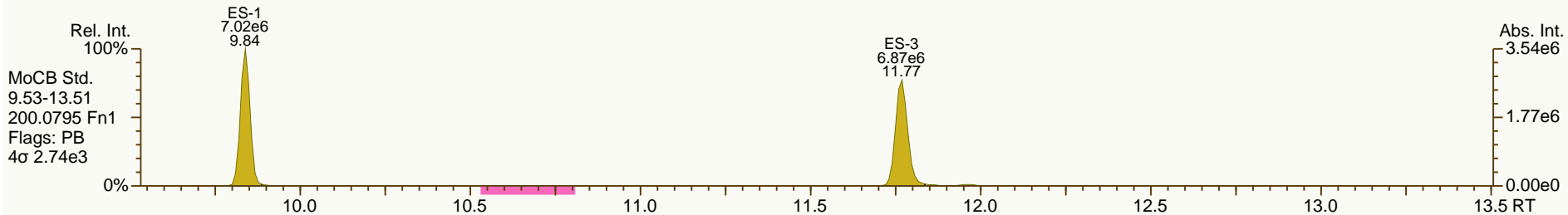
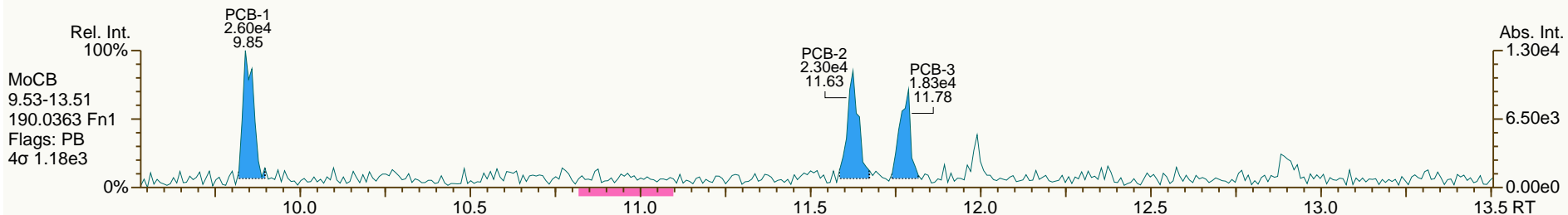
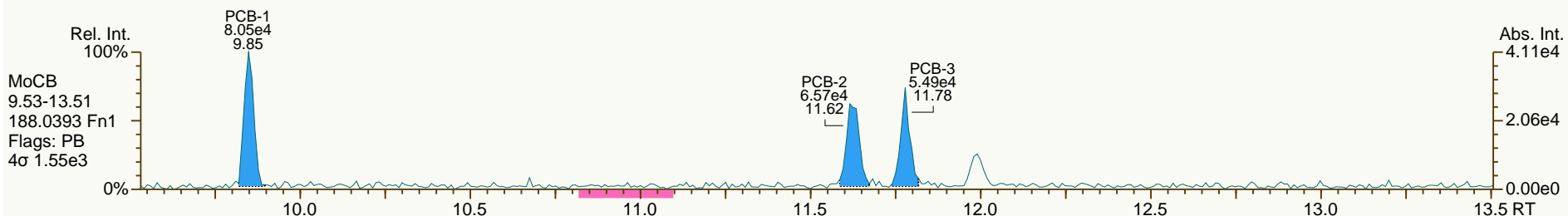
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

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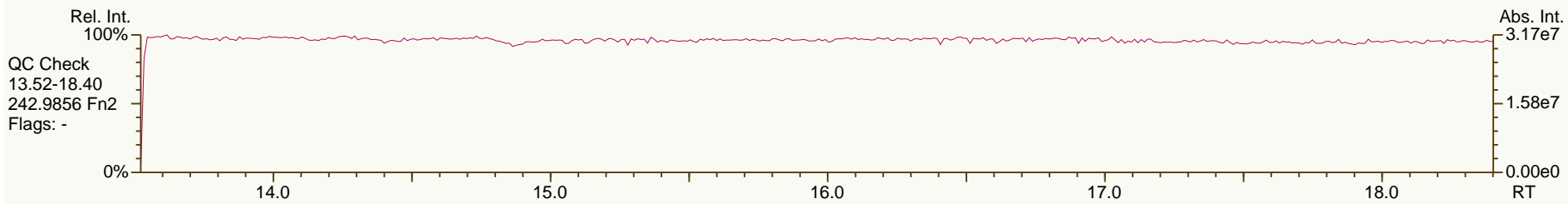
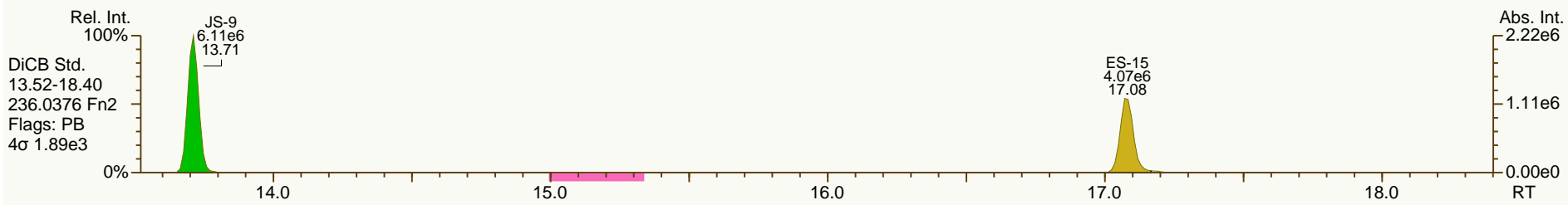
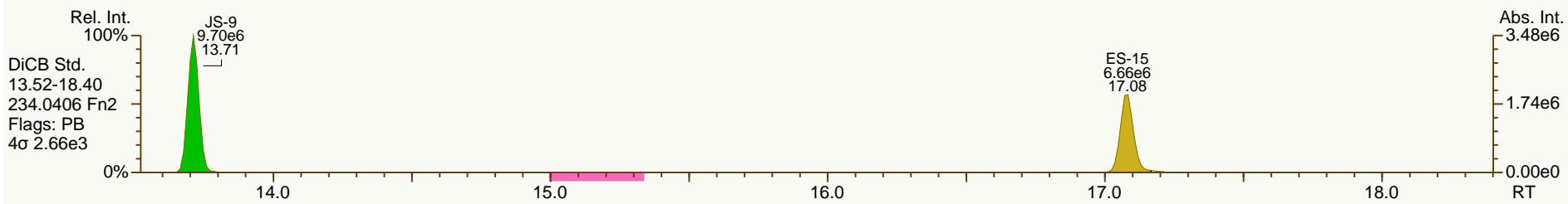
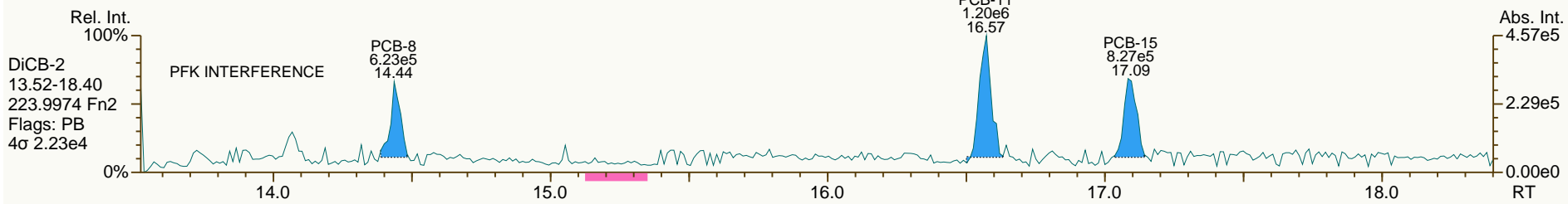
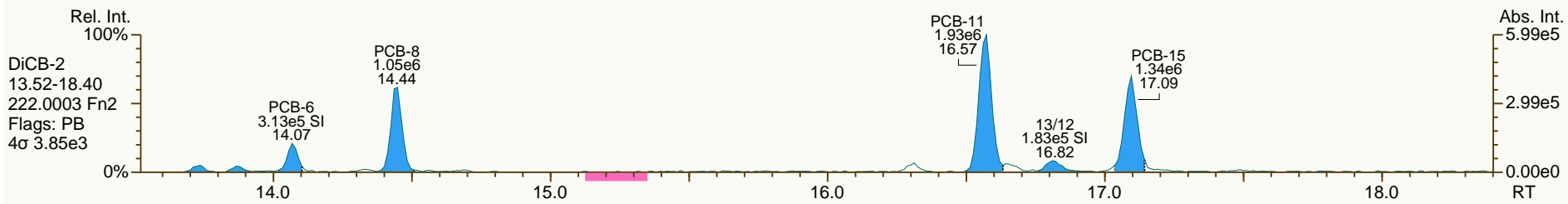
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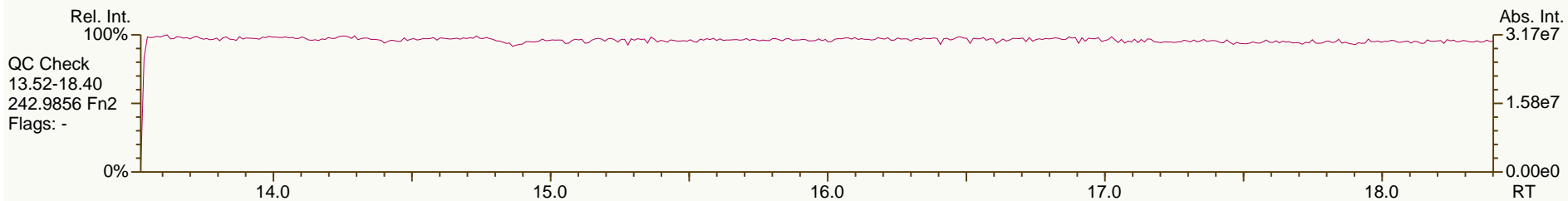
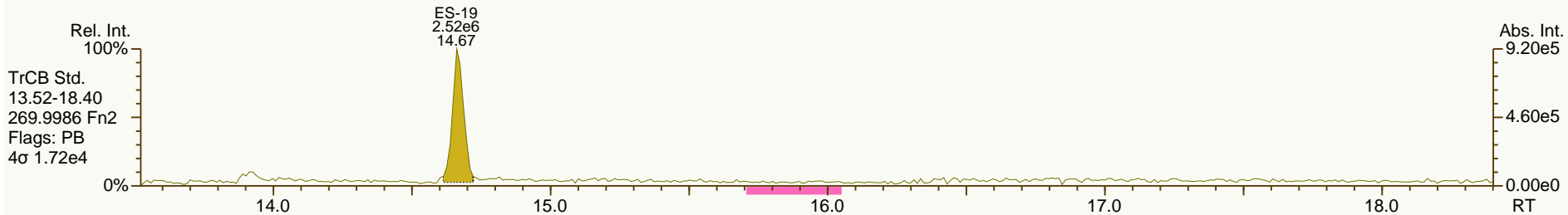
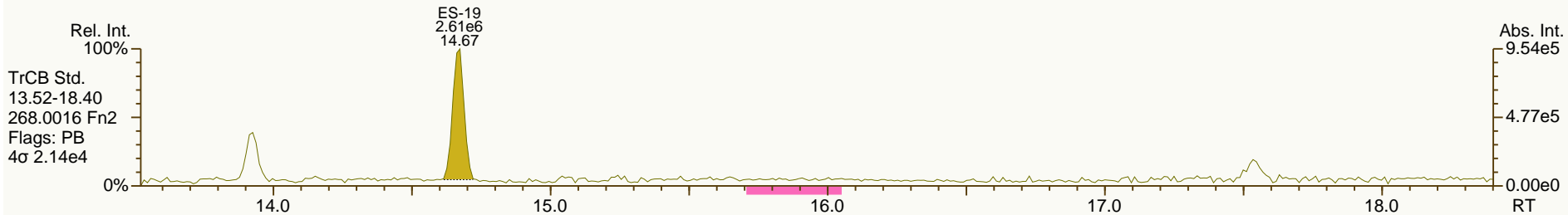
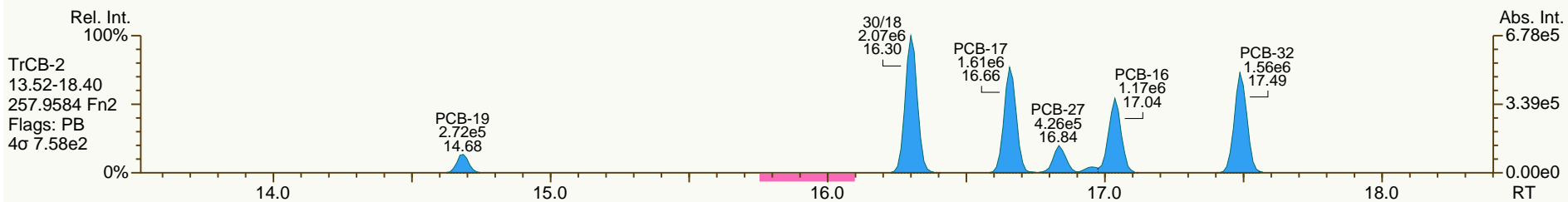
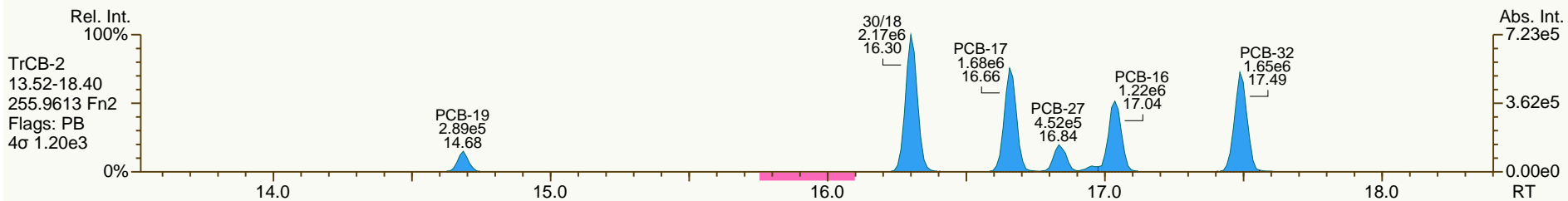
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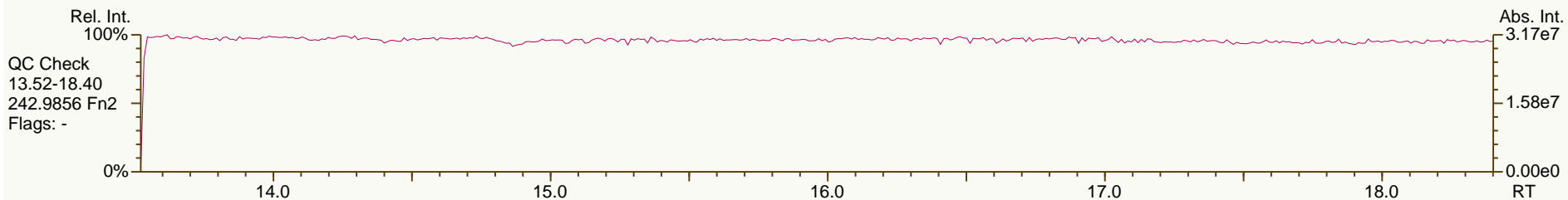
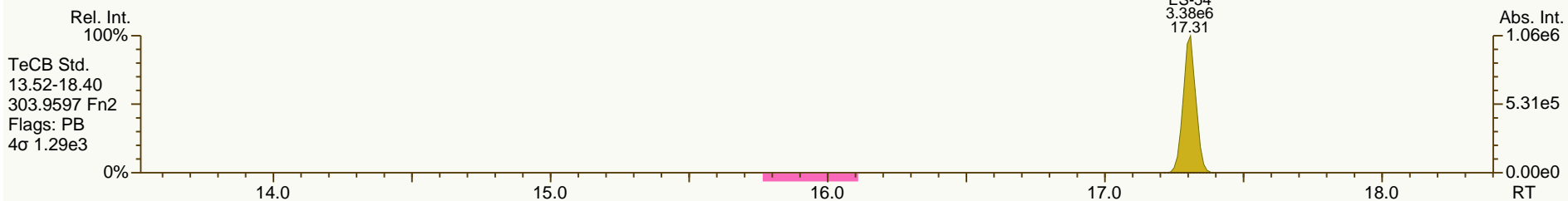
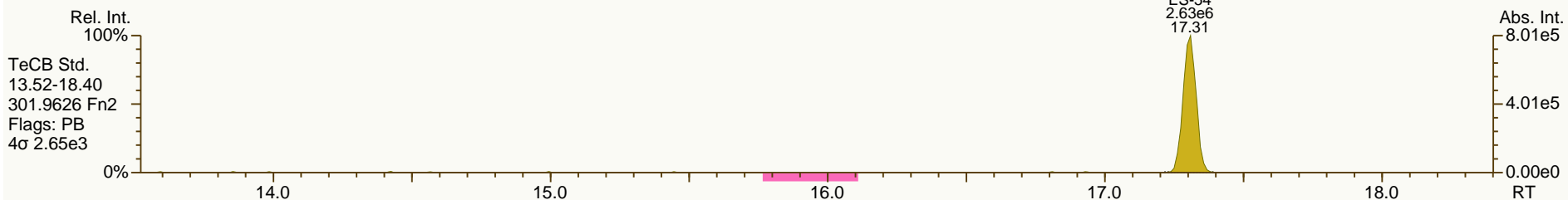
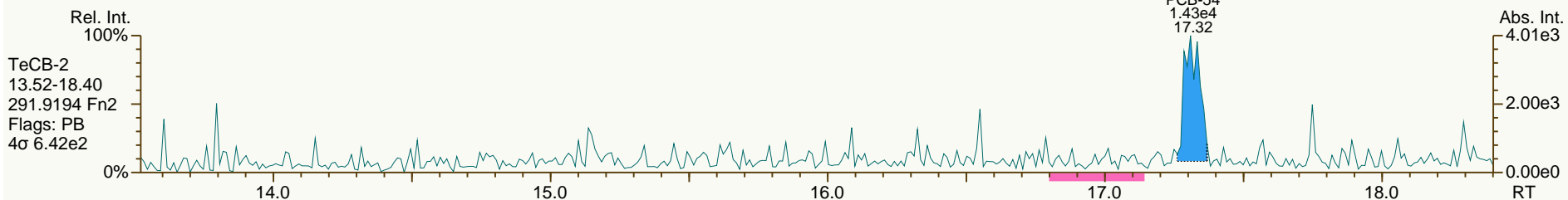
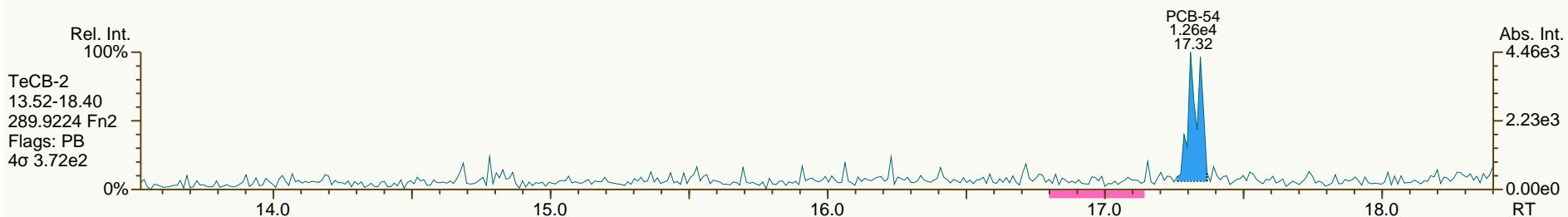
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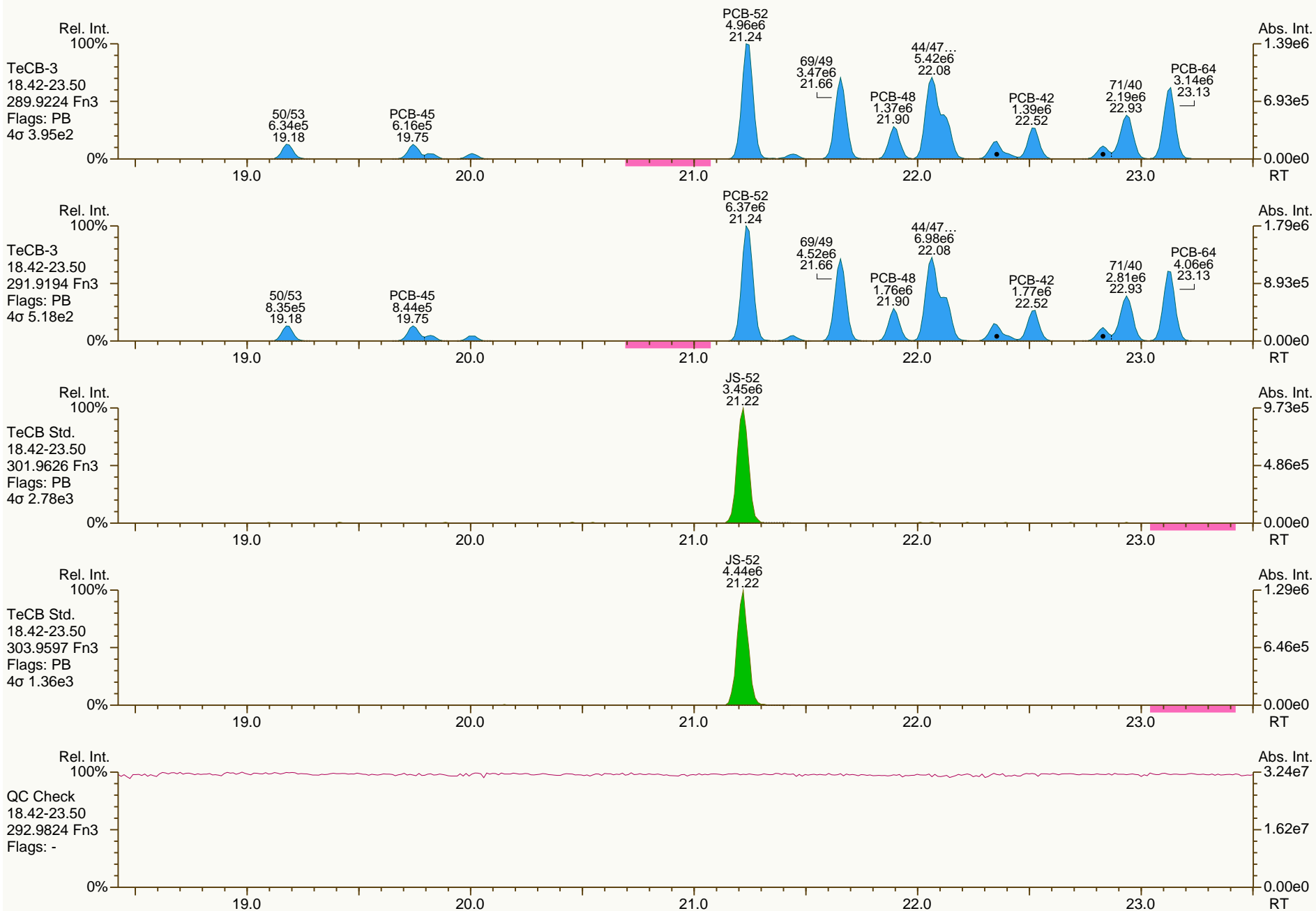
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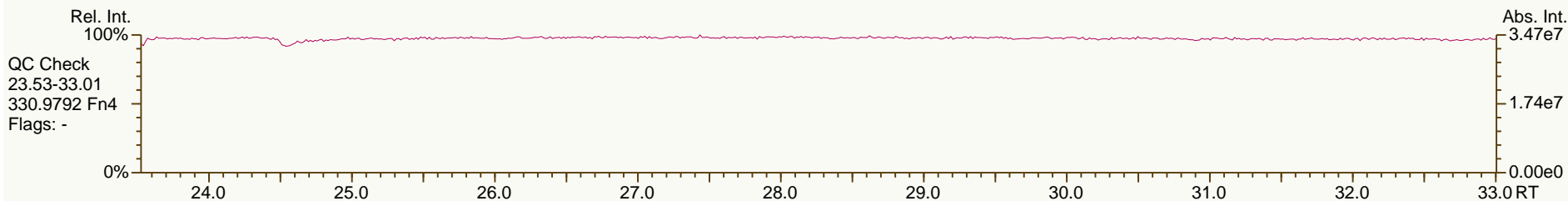
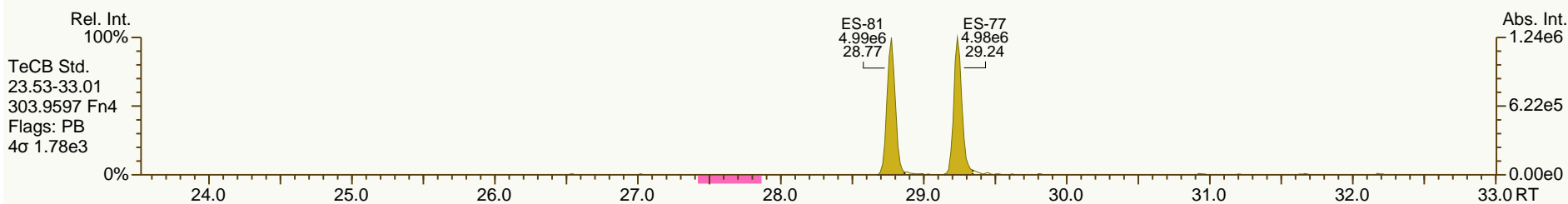
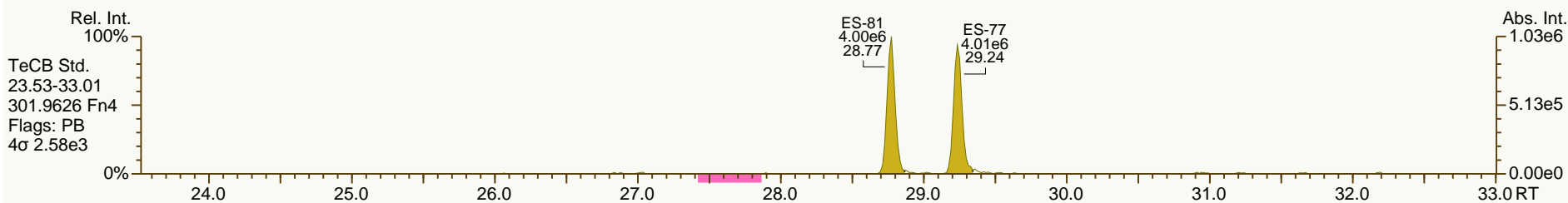
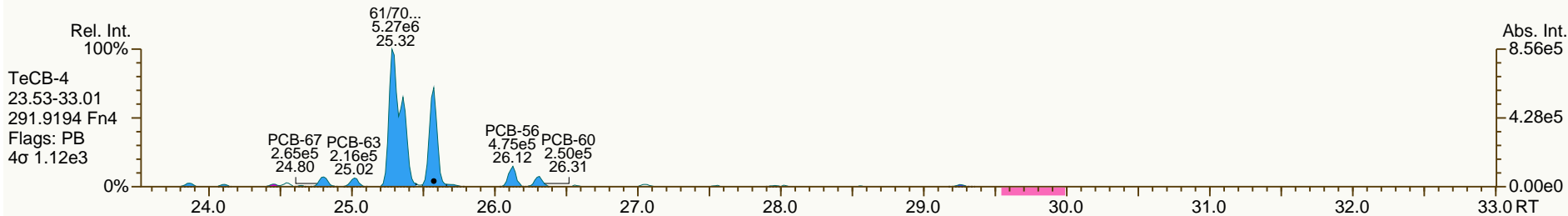
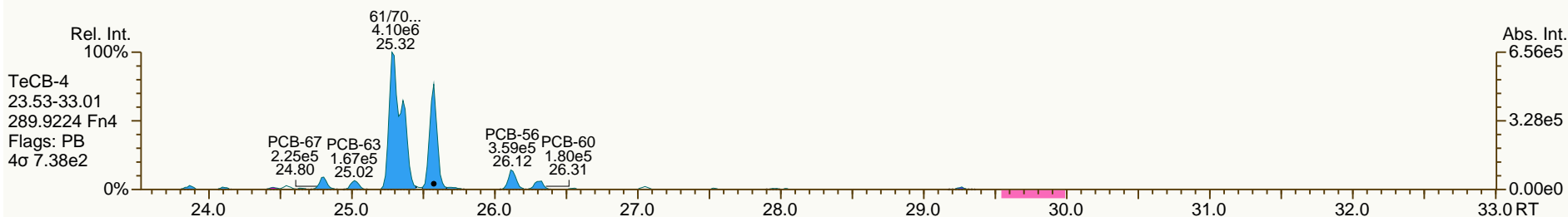
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Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

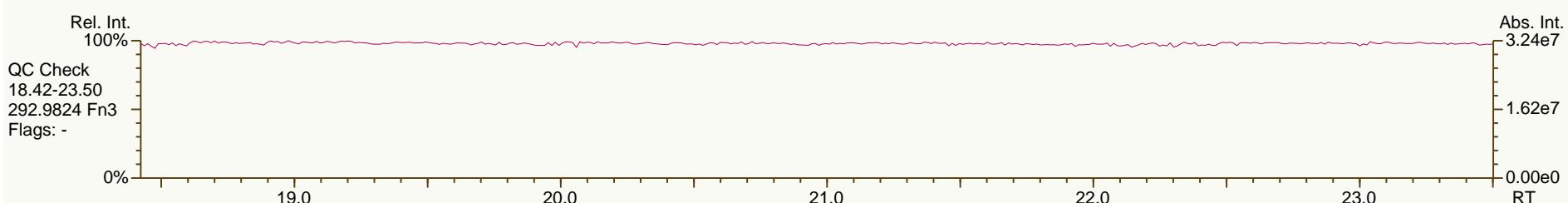
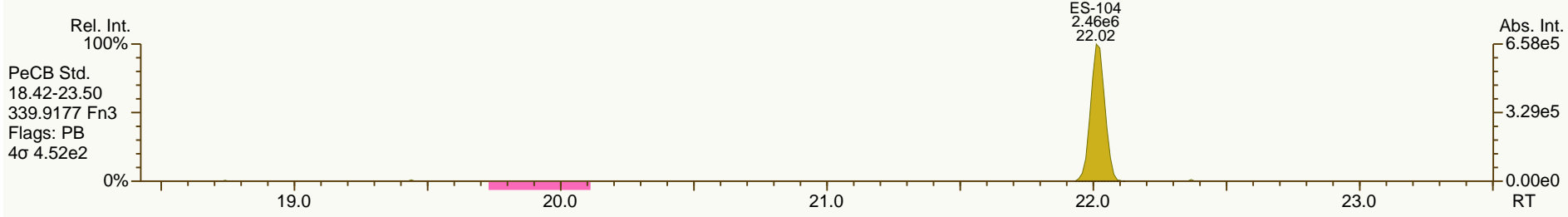
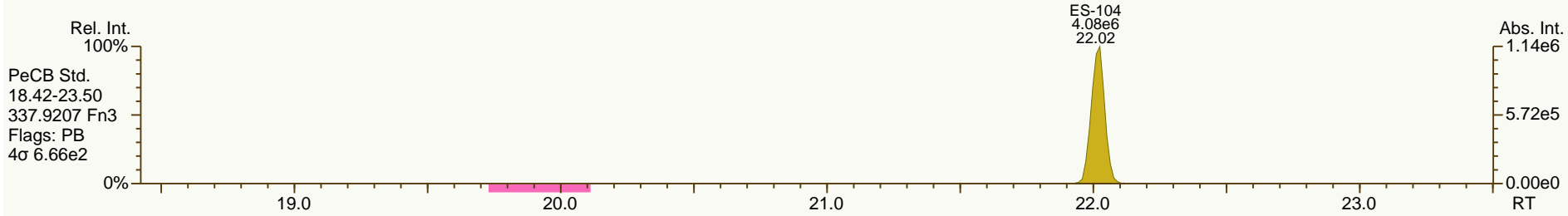
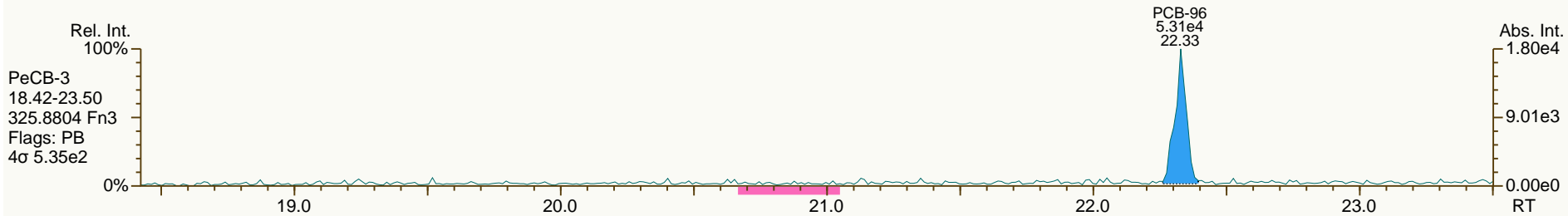
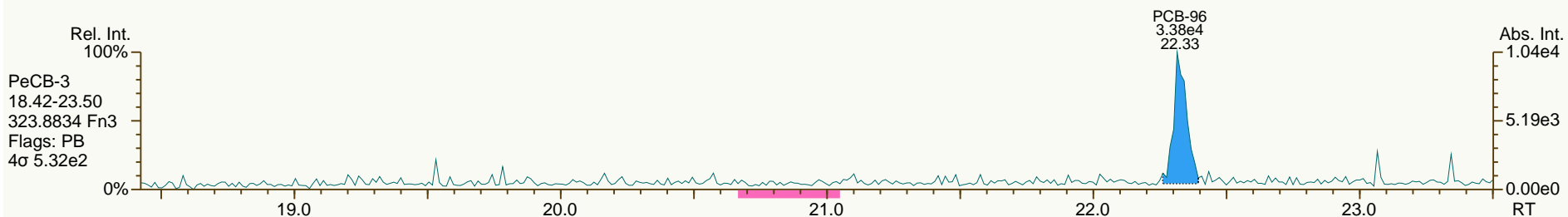
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

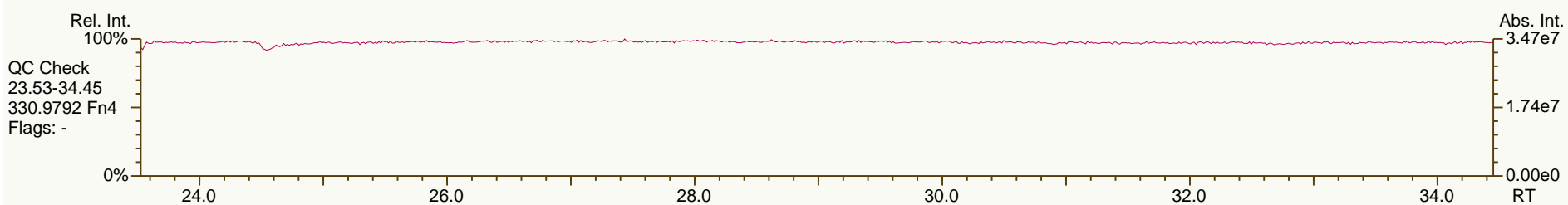
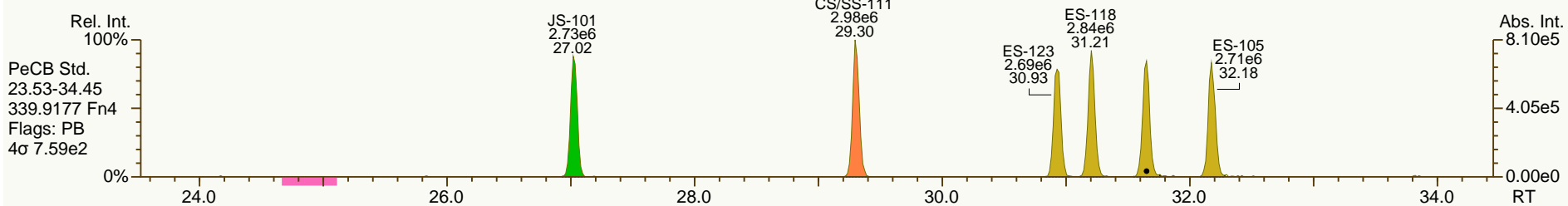
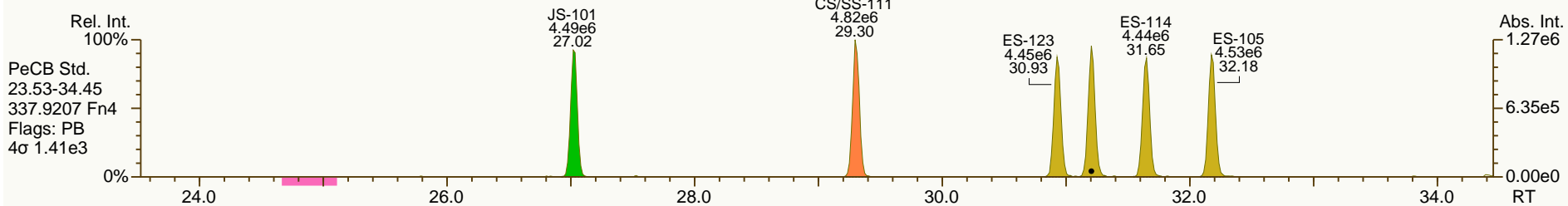
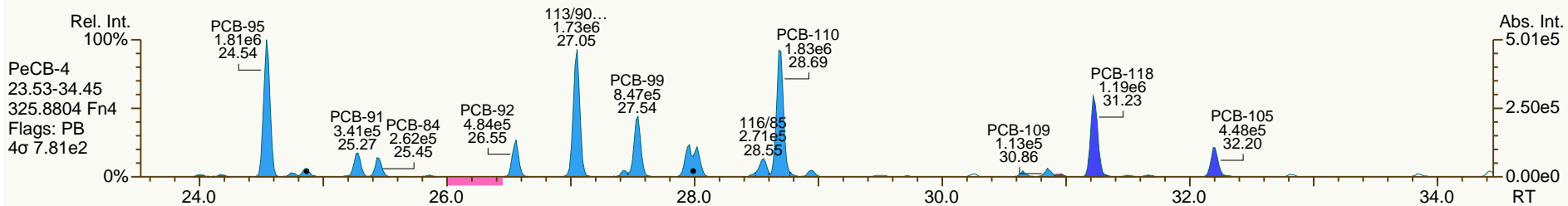
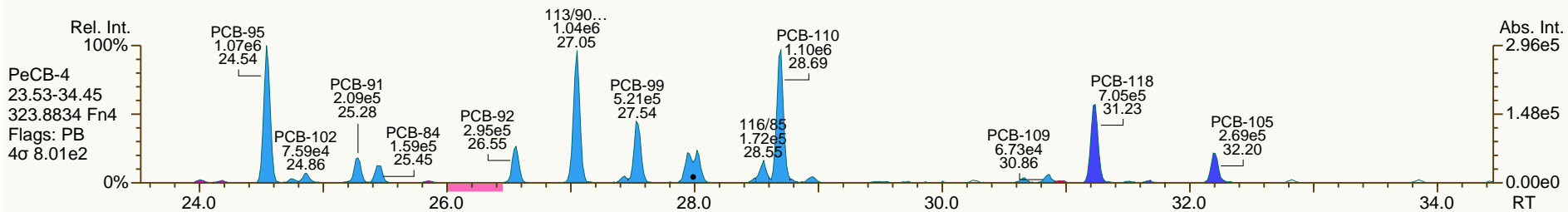
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

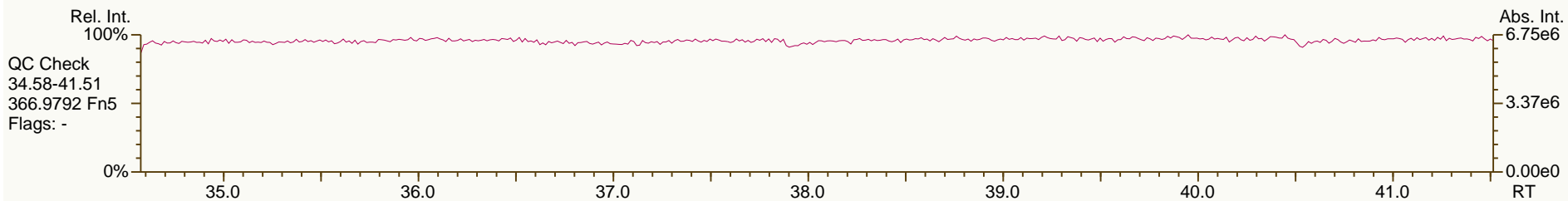
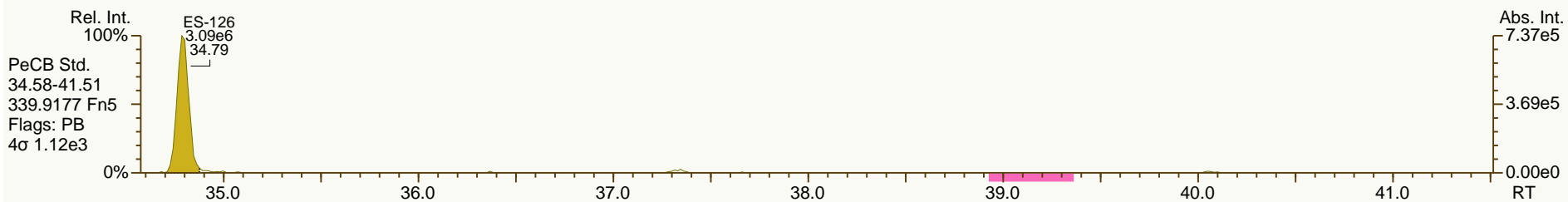
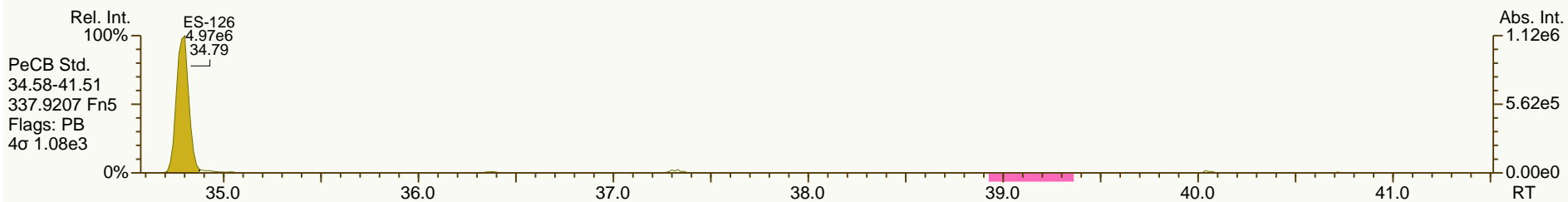
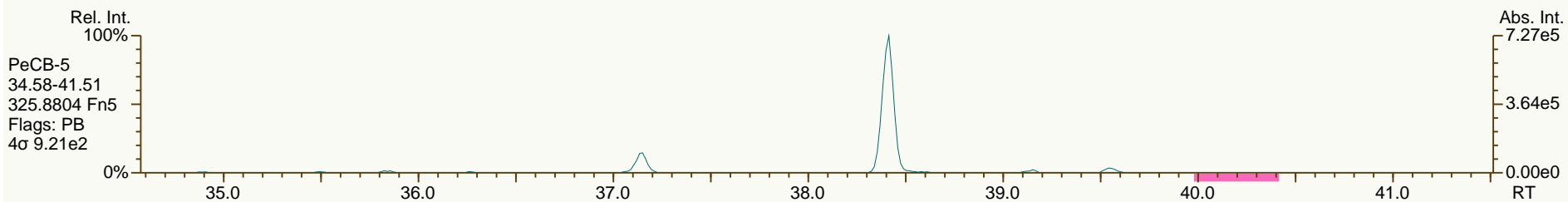
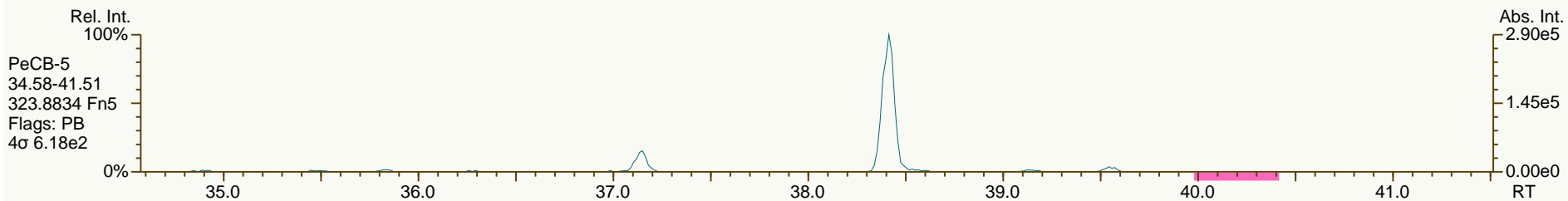
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

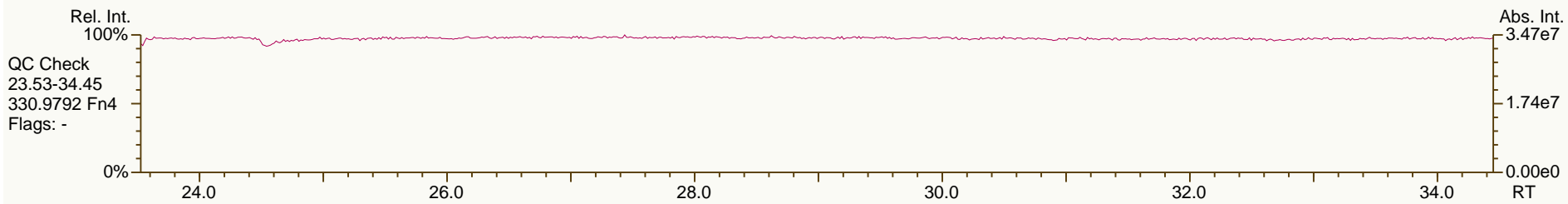
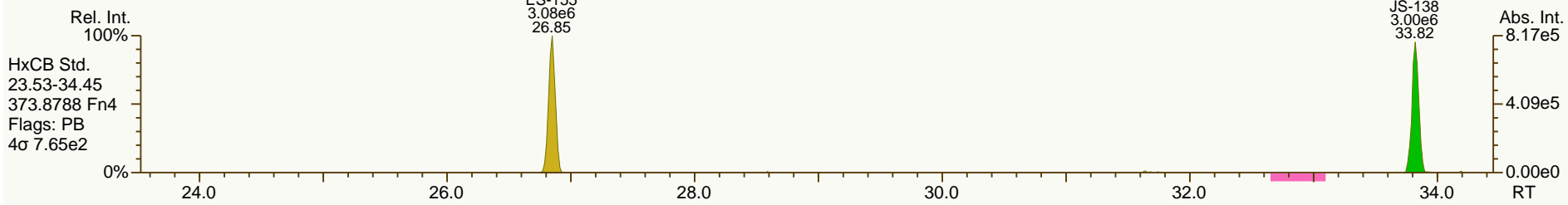
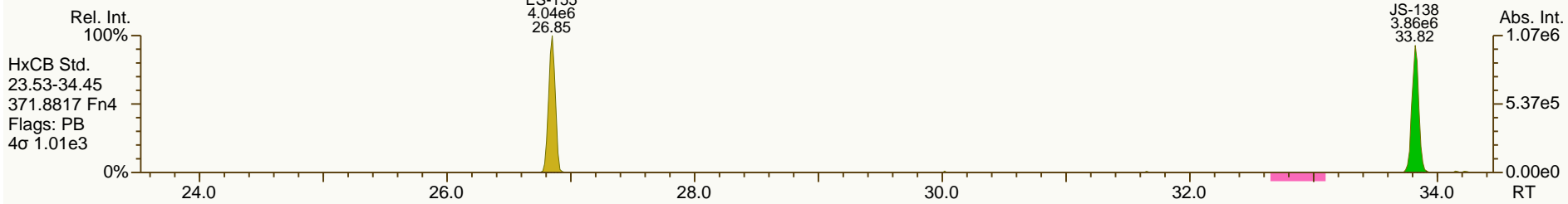
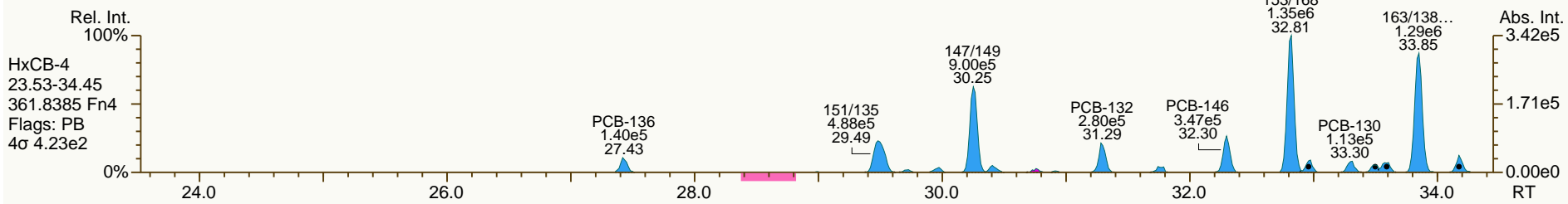
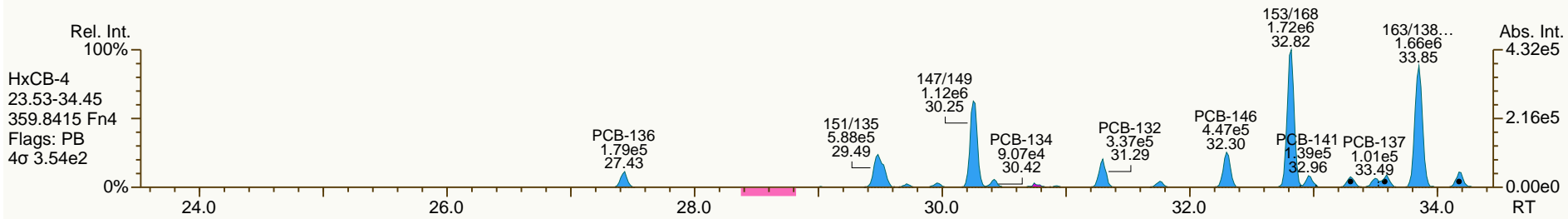
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

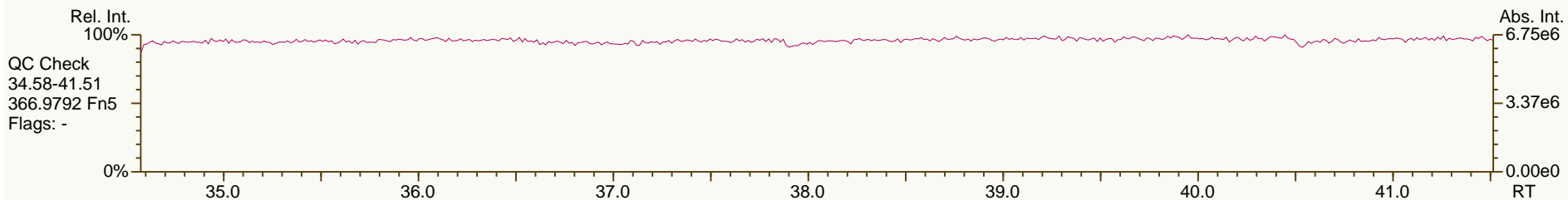
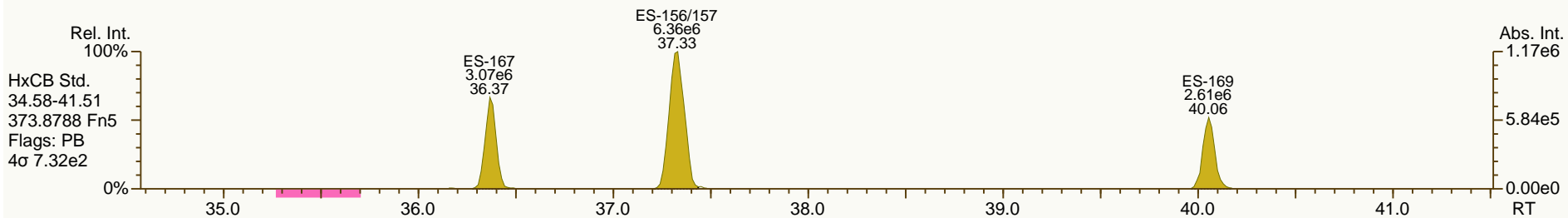
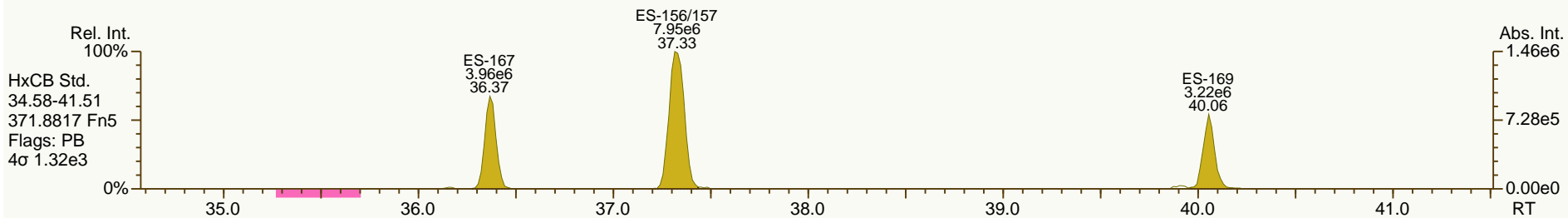
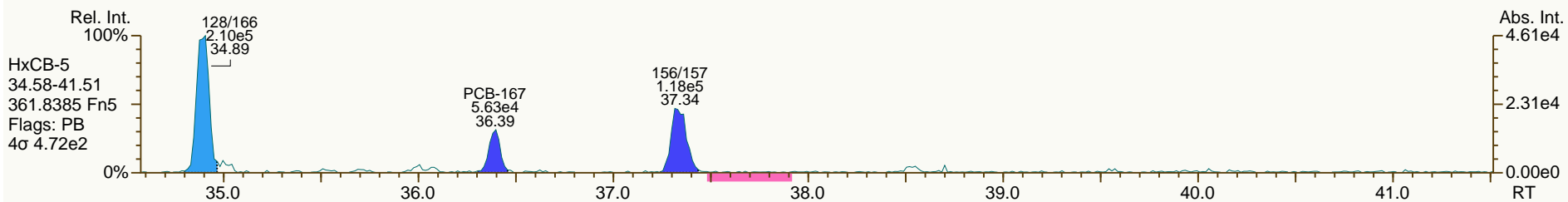
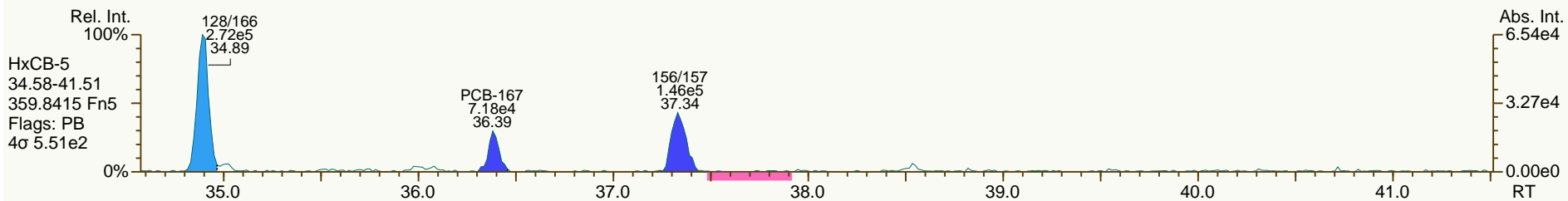
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

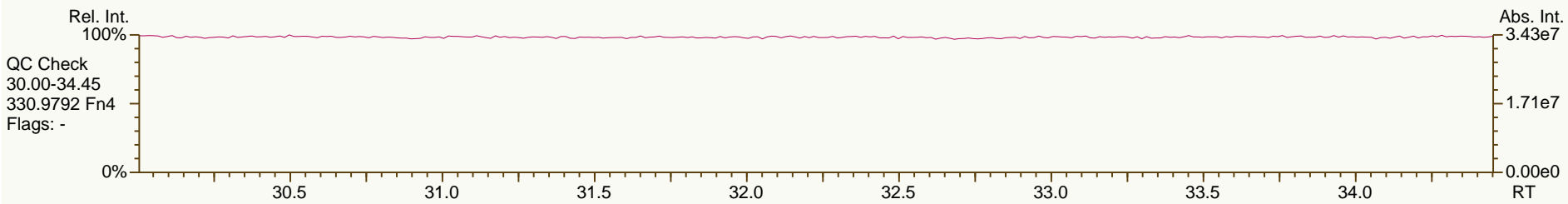
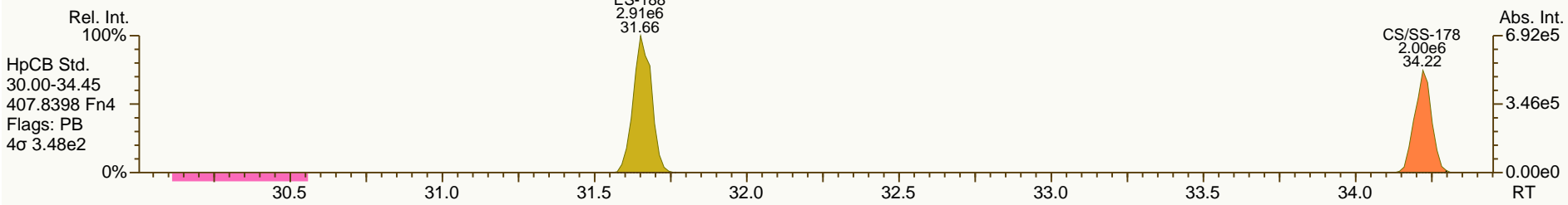
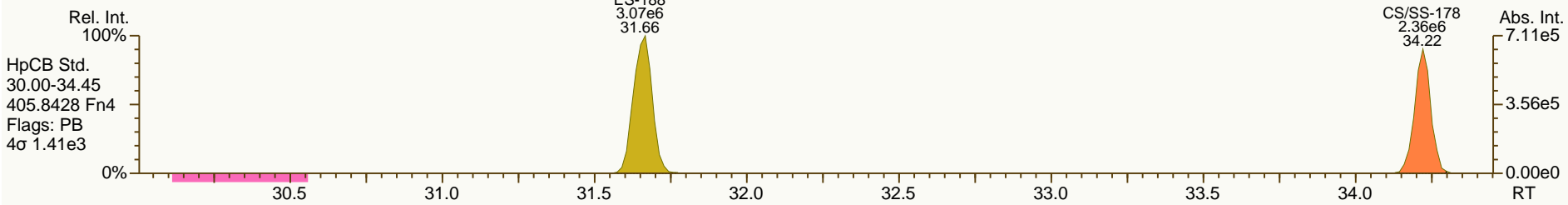
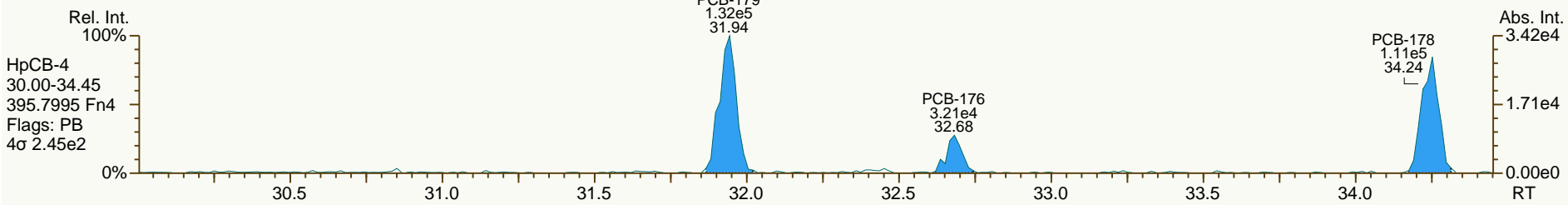
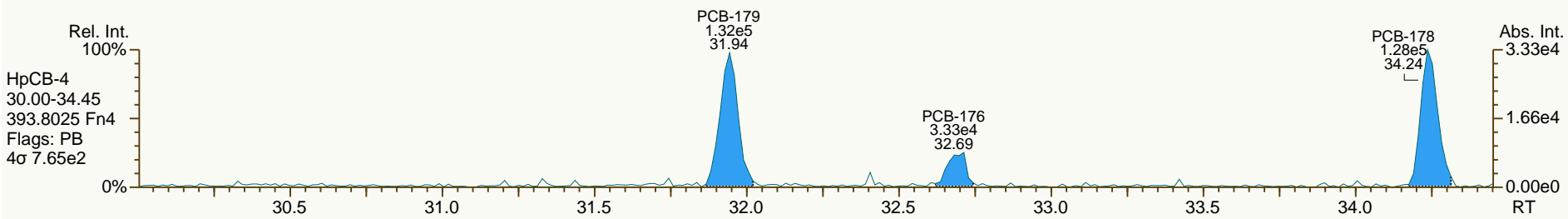
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

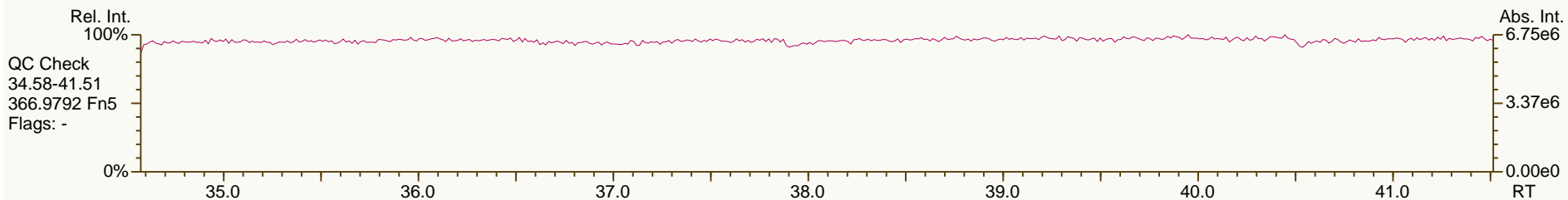
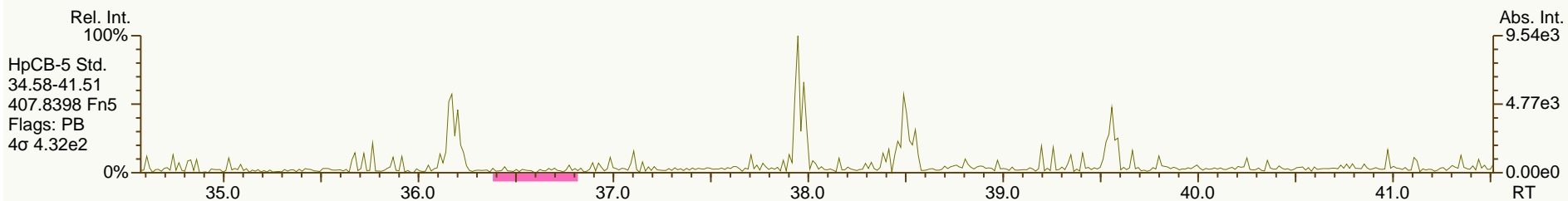
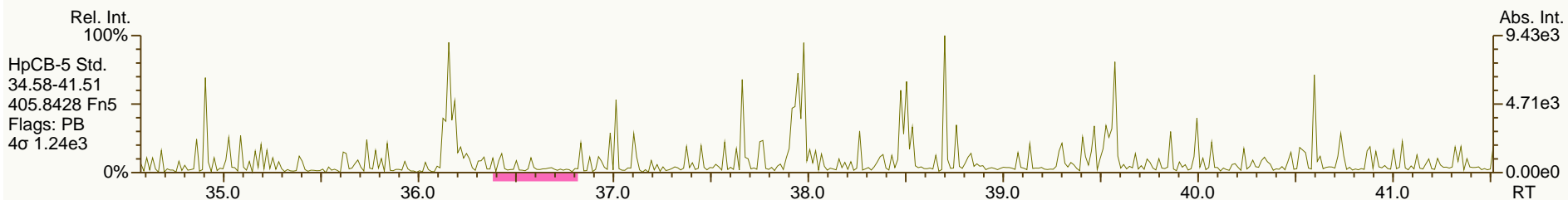
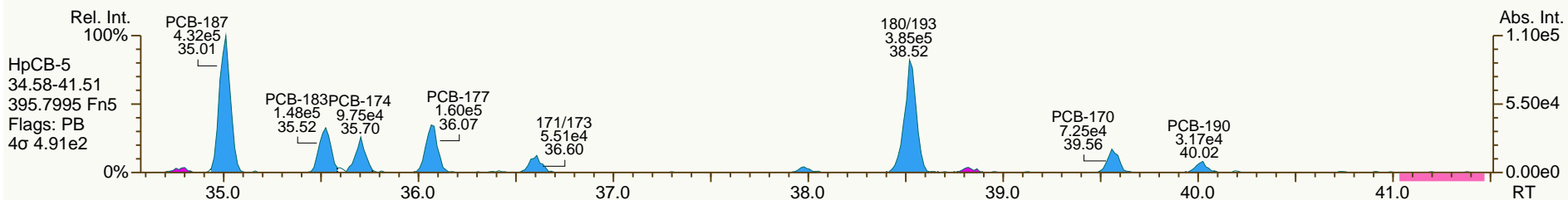
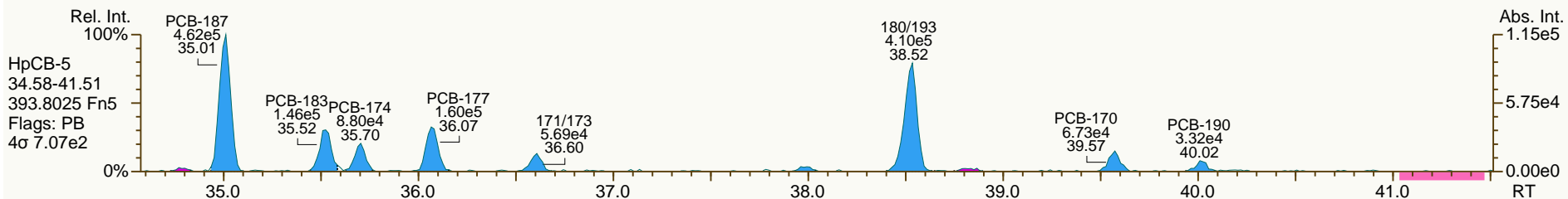
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

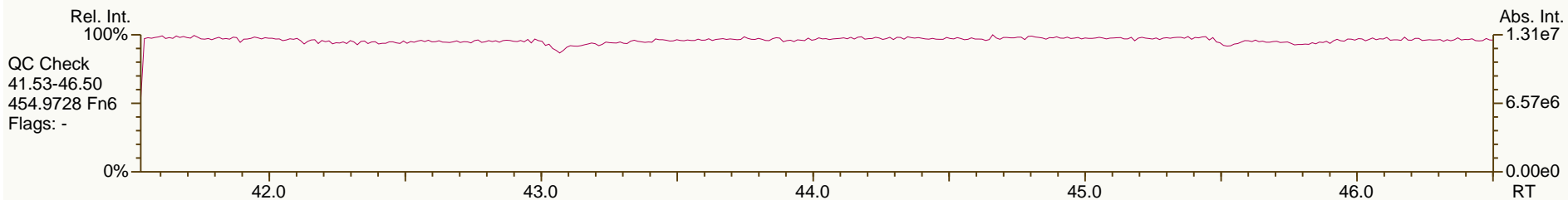
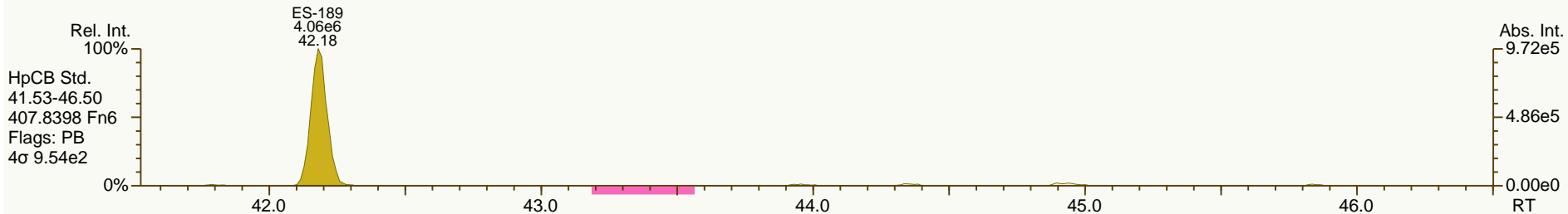
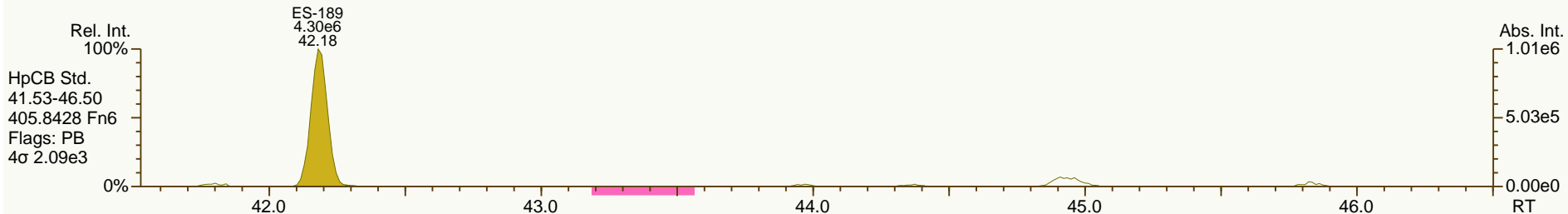
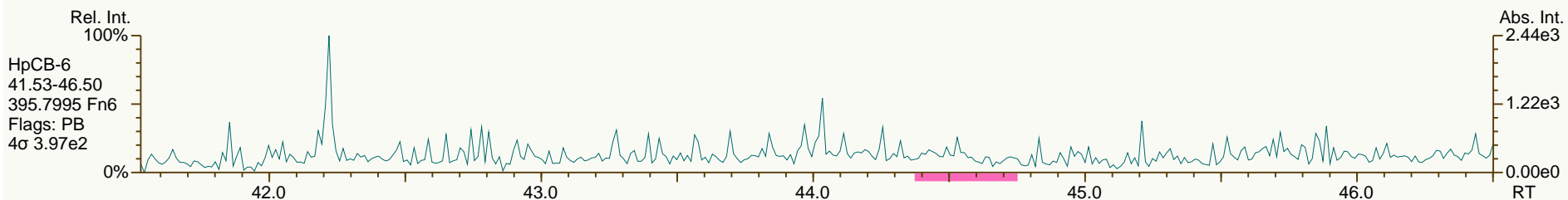
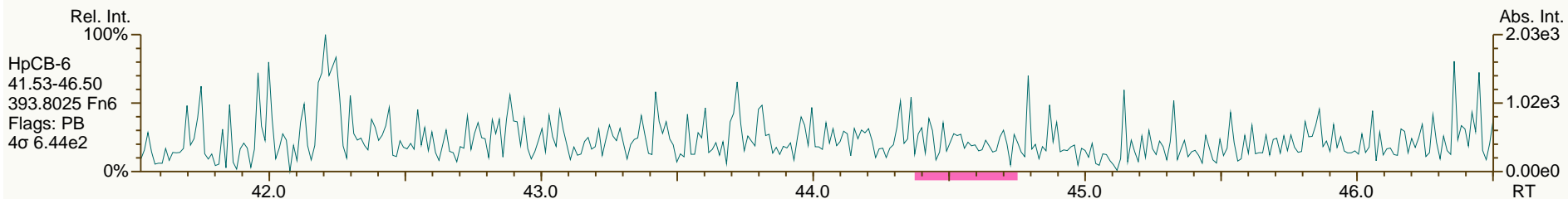
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

Acq: 03-Jul-2012 21:42:38
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
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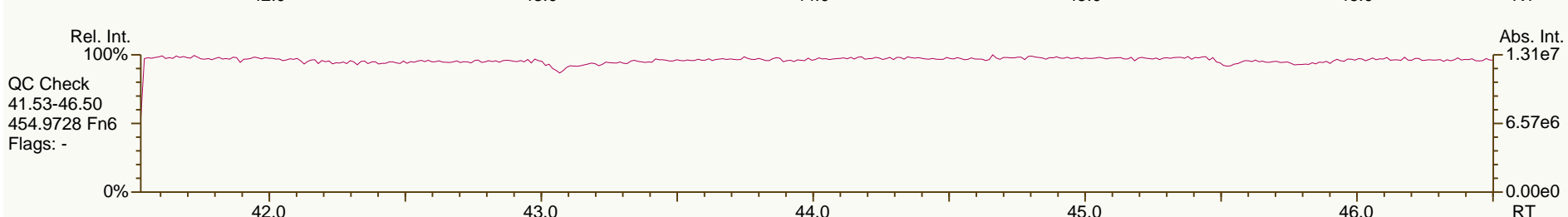
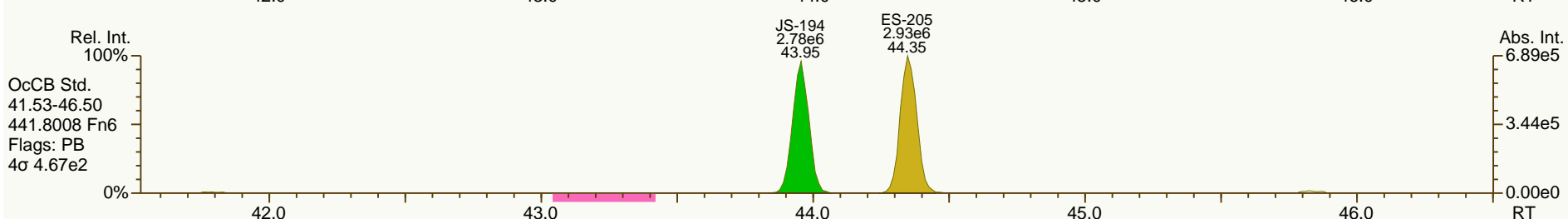
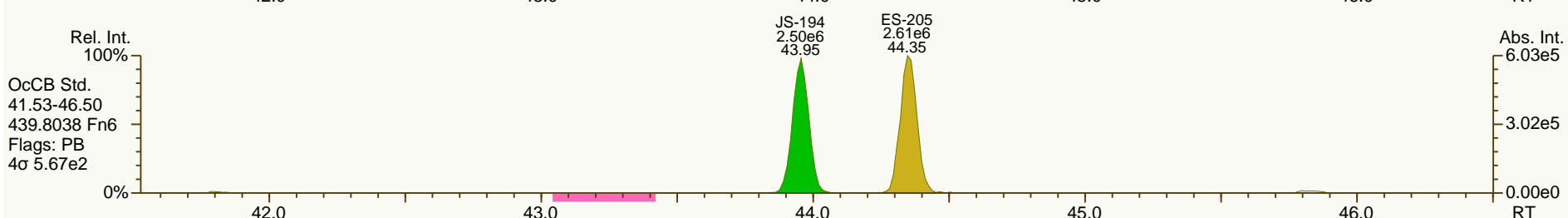
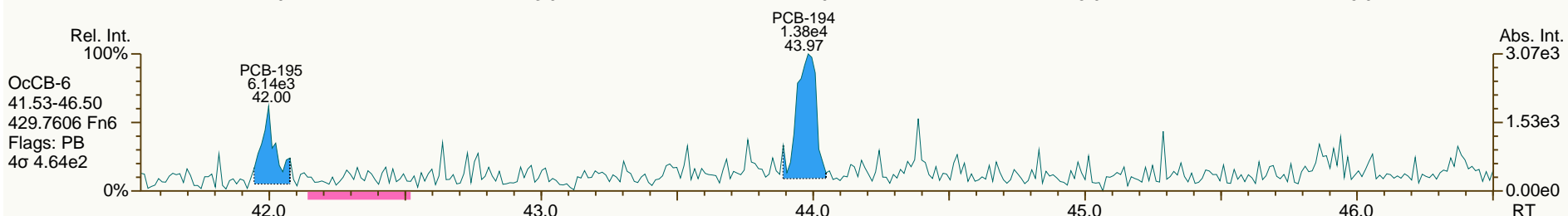
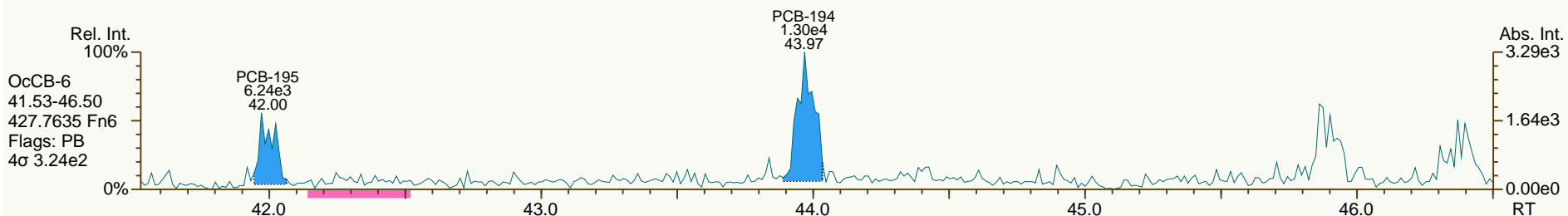
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AP Lab ID: A4369_9892_PCB_005
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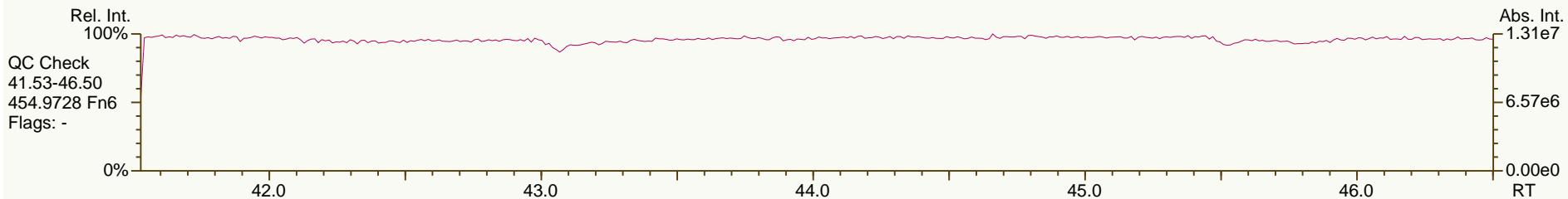
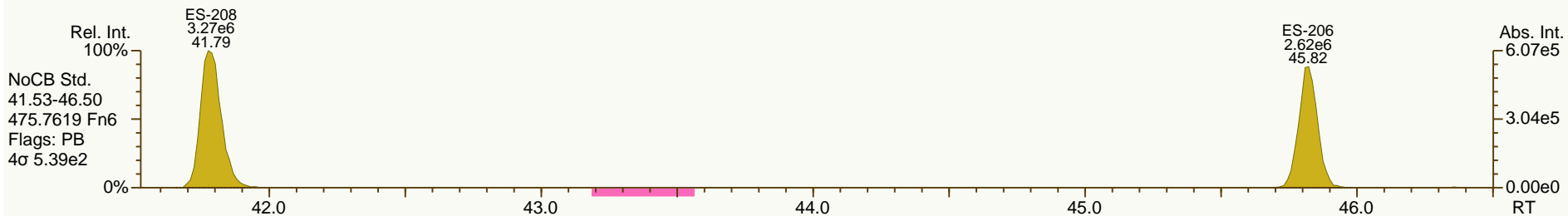
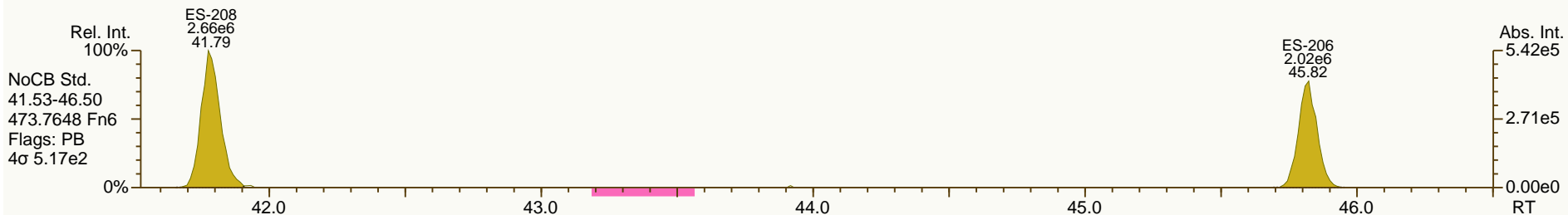
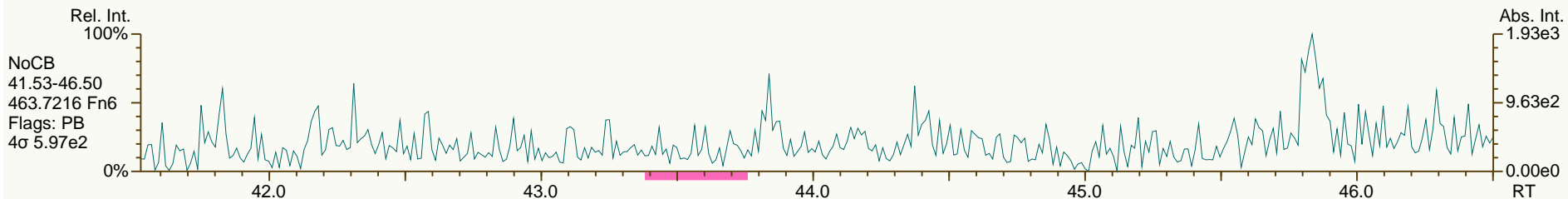
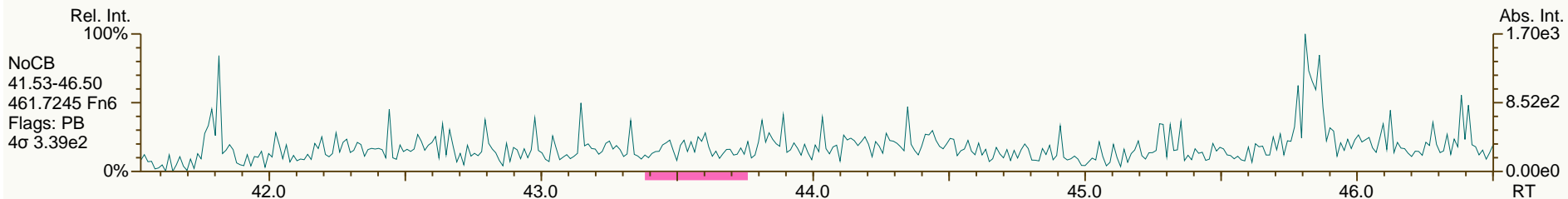
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

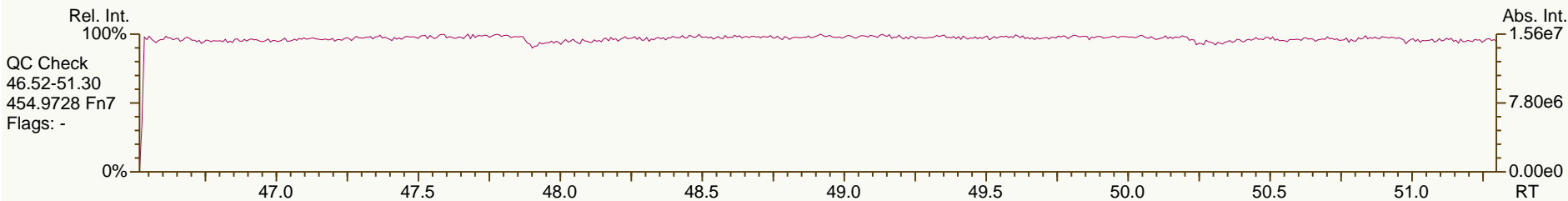
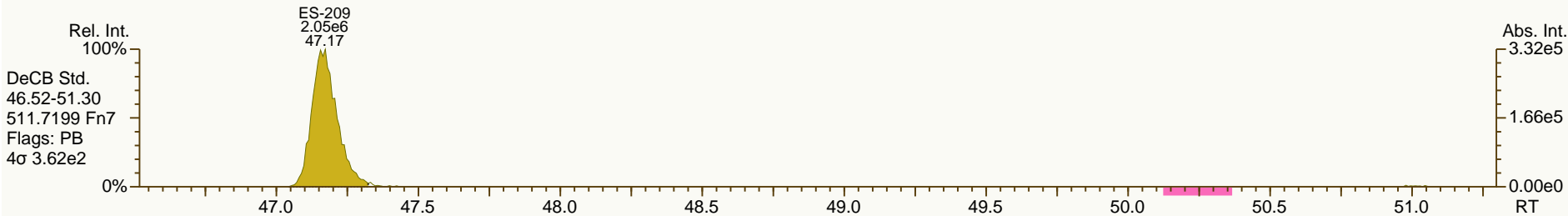
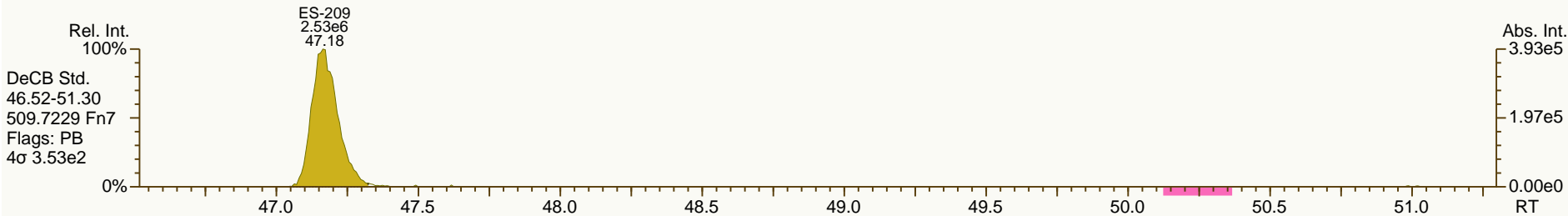
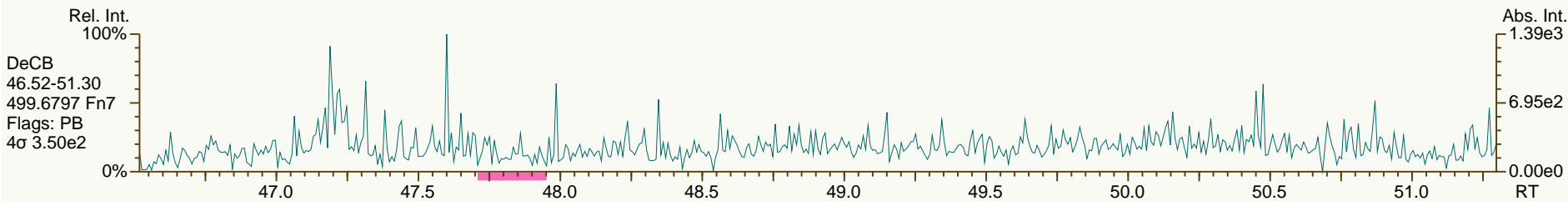
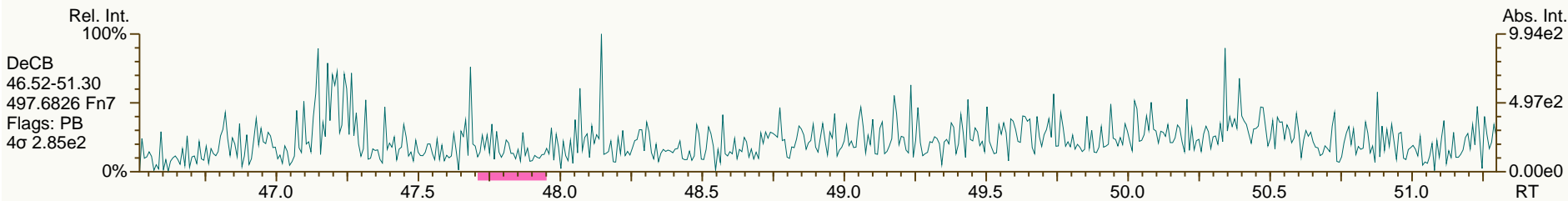
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

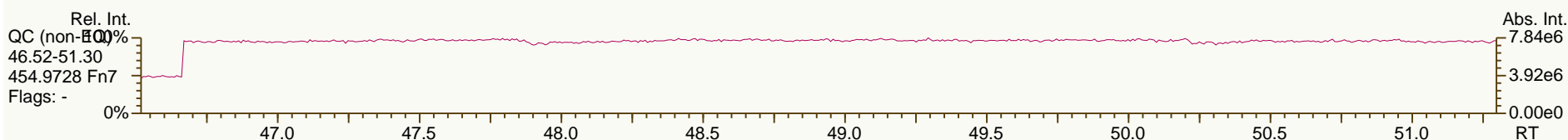
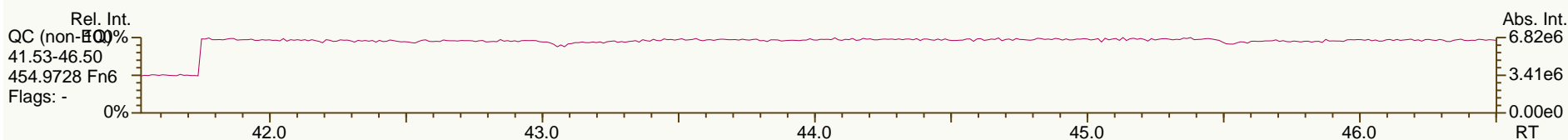
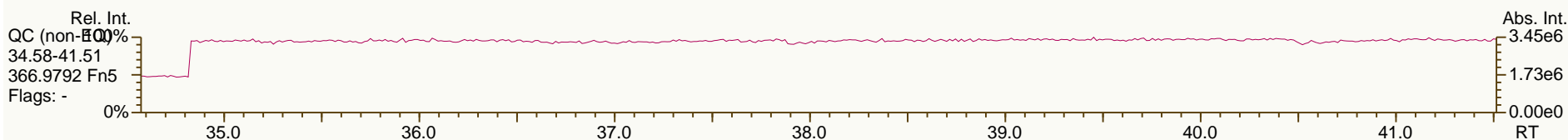
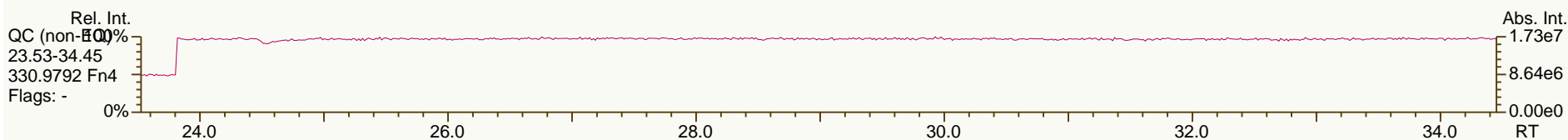
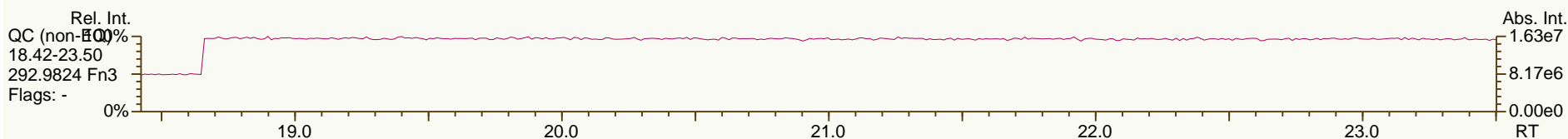
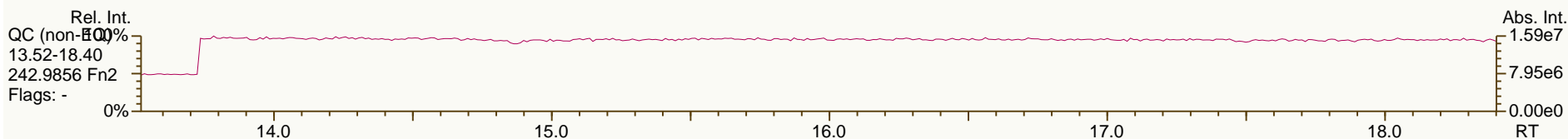
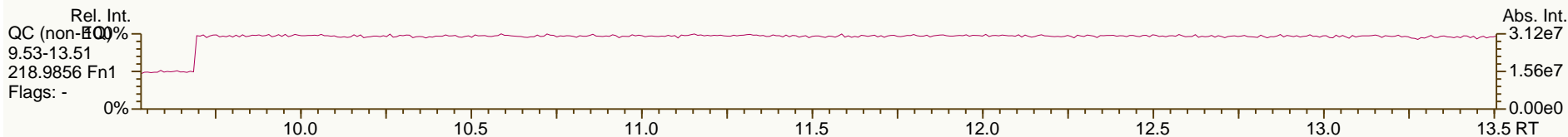
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AP Lab ID: A4369_9892_PCB_005
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA01-TISSUE-120516
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 24

Acq: 03-Jul-2012 21:42:38
 User: LKB Datafile: 120703S11



Analytical Perspectives — Run Log

Project: A4369_9892_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120703S03	15	CS3_120703_PCB_SC	1.00	M1668-RETCAN S40-51	LKB	727-130	03-Jul-2012	14:13:08
4	120703S04	18	OPR1_9892_PCB	1.00	OPR #73563	LKB	544-407	03-Jul-2012	15:19:13
5	120703S05	3	SBS_120703_PCB_SA	1.00	SIL9-41-1	LKB	950-576	03-Jul-2012	16:12:21
6	120703S06	19	✓ MB1_9892_PCB_SDS	10.00	MB #73562	LKB	749-048	03-Jul-2012	17:07:28
7	120703S07	20	A4369_9892_PCB_001	11.02	JW-UR-TISSUE-120508	LKB	869-474	03-Jul-2012	18:02:27
8	120703S08	21	A4369_9892_PCB_002	10.70	JW-DR-TISSUE-120508	LKB	012-099	03-Jul-2012	18:57:31
9	120703S09	22	✓ A4369_9892_PCB_003	10.78	JW-RG-TISSUE-120508	LKB	181-066	03-Jul-2012	19:52:35
10	120703S10	23	A4369_9892_PCB_004	11.04	JW-E10-TISSUE-120516	LKB	719-616	03-Jul-2012	20:47:34
11	120703S11	24	A4369_9892_PCB_005	11.75	JW-EA01-TISSUE-120516	LKB	962-167	03-Jul-2012	21:42:38



= manual calculation

REVIEWED*By Laura Boivin at 2:23 pm, Jul 06, 2012***REVIEWED***By Todd Vilen at 2:30 pm, Jul 09, 2012*

PCB QC Summary		SGS Analytical Perspectives			Processed: 6-Jul-2012 13:28		
Lab ID:	CS3_120703_PCB_SC						
Acquired:	03-JUL-2012 14:13		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120703S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.27	4.56E+06	0.75 Y	1.22	1.10	-9.8%	
PCB-81 344'5'-TeCB	28.80	4.45E+06	0.74 Y	1.24	1.08	-13.4%	
PCB-105 233'44'-PeCB	32.21	3.11E+06	0.61 Y	1.03	0.99	-3.8%	
PCB-114 2344'5'-PeCB	31.68	3.48E+06	0.62 Y	1.10	1.09	-0.2%	
PCB-118 23'44'5'-PeCB	31.24	3.42E+06	0.60 Y	1.03	1.01	-2.5%	
PCB-123 2'344'5'-PeCB	30.96	3.25E+06	0.62 Y	0.93	0.99	6.8%	
PCB-126 33'44'5'-PeCB	34.82	3.47E+06	0.60 Y	1.11	0.98	-12.1%	
PCB-156/157 233'44'5'/233'44'5'	37.36	6.11E+06	1.27 Y	1.05	1.05	0.7%	
PCB-167 23'44'55'-HxCB	36.40	3.22E+06	1.27 Y	1.08	1.11	3.0%	
PCB-169 33'44'55'-HxCB	40.08	2.79E+06	1.28 Y	1.04	0.97	-7.2%	
PCB-189 233'44'55'-HpCB	42.21	3.41E+06	1.03 Y	1.11	1.07	-3.2%	
PCB-209 DeCB	47.21	2.42E+06	1.17 Y	1.05	1.00	-5.1%	
ES PCB-1	9.85	1.37E+07	3.24 Y	1.01	1.01	-0.1%	
ES PCB-3	11.78	1.30E+07	3.33 Y	1.05	0.96	-8.8%	
ES PCB-4	11.99	8.07E+06	1.63 Y	0.70	0.60	-14.4%	
ES PCB-15	17.10	1.32E+07	1.63 Y	1.17	0.98	-16.5%	
ES PCB-19	14.69	7.38E+06	1.00 Y	0.57	0.55	-3.7%	
ES PCB-37	23.08	9.15E+06	1.04 Y	1.41	1.44	2.3%	
ES PCB-54	17.32	8.84E+06	0.78 Y	1.32	1.40	5.4%	
ES PCB-77	29.25	8.26E+06	0.81 Y	1.22	1.30	7.0%	
ES PCB-81	28.78	8.26E+06	0.78 Y	1.15	1.30	13.3%	
ES PCB-104	22.03	7.15E+06	1.63 Y	1.69	1.36	-19.5%	
ES PCB-105	32.19	6.30E+06	1.56 Y	1.21	1.20	-0.8%	
ES PCB-114	31.66	6.36E+06	1.56 Y	1.23	1.21	-2.0%	
ES PCB-118	31.22	6.78E+06	1.57 Y	1.25	1.29	3.4%	
ES PCB-123	30.94	6.59E+06	1.60 Y	1.33	1.25	-5.7%	
ES PCB-126	34.80	7.08E+06	1.64 Y	1.36	1.35	-0.9%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.86	7.33E+06	1.28 Y	1.40	1.47	4.5%	
ES PCB-156/157	37.34	1.16E+07	1.32 Y	1.13	1.16	2.6%	
ES PCB-167	36.38	5.78E+06	1.29 Y	1.13	1.16	2.3%	
ES PCB-169	40.07	5.76E+06	1.30 Y	1.14	1.15	0.8%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.67	5.63E+06	1.05 Y	1.34	1.13	-16.0%	
ES PCB-189	42.20	6.34E+06	1.07 Y	1.77	1.65	-6.6%	
ES PCB-202	36.18	5.88E+06	0.89 Y	1.27	1.18	-7.5%	
ES PCB-205	44.36	5.43E+06	0.89 Y	1.25	1.41	13.0%	
ES PCB-206	45.83	4.44E+06	0.78 Y	1.07	1.15	8.0%	
ES PCB-208	41.80	5.14E+06	0.75 Y	1.34	1.34	-0.1%	
ES PCB-209	47.19	4.86E+06	1.16 Y	1.18	1.26	6.7%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 6-Jul-2012 13:28		
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.69	1.06E+07	1.08 Y	0.98	1.16	18.4%	
SS PCB-111	29.32	7.13E+06	1.63 Y	0.90	1.08	20.5%	
SS PCB-178	34.23	4.17E+06	1.08 Y	0.65	0.74	14.3%	
CS PCB-28	19.69	1.06E+07	1.08 Y	1.39	1.68	21.2%	
CS PCB-111	29.32	7.13E+06	1.63 Y	1.19	1.35	13.7%	
CS PCB-178	34.23	4.17E+06	1.08 Y	0.87	0.83	-4.0%	
JS PCB-9	13.73	1.35E+07	1.62 Y		-	-	
JS PCB-52	21.24	6.34E+06	0.75 Y		-	-	
JS PCB-101	27.04	5.27E+06	1.56 Y		-	-	
JS PCB-138	33.83	5.00E+06	1.30 Y		-	-	
JS PCB-194	43.96	3.85E+06	0.87 Y		-	-	
PCB-1 2-MoCB	9.86	7.82E+06	3.21 Y	1.20	1.14	-4.5%	
PCB-3 4-MoCB	11.80	7.35E+06	3.19 Y	1.13	1.13	0.2%	
PCB-4 22'-DiCB	12.00	4.32E+06	1.47 Y	0.94	1.07	13.2%	
PCB-15 44'-DiCB	17.11	6.70E+06	1.46 Y	1.01	1.01	0.8%	
PCB-19 22'6'-TrCB	14.70	3.52E+06	1.01 Y	1.01	0.95	-5.6%	
PCB-37 344'-TrCB	23.10	5.37E+06	1.02 Y	1.20	1.17	-2.0%	
PCB-54 22'66'-TeCB	17.34	4.02E+06	0.77 Y	0.93	0.91	-2.4%	
PCB-104 22'466'-PeCB	22.05	3.71E+06	0.65 Y	0.92	1.04	13.2%	
PCB-155 22'44'66'-HxCB	26.88	3.90E+06	1.23 Y	1.06	1.06	0.8%	
PCB-188 22'34'566'-HpCB	31.69	3.29E+06	1.06 Y	1.07	1.17	9.6%	
PCB-202 22'33'55'66'-OcCB	36.20	2.49E+06	0.92 Y	0.83	0.85	2.4%	
PCB-205 233'44'55'6'-OcCB	44.38	2.50E+06	0.89 Y	1.09	0.92	-15.7%	
PCB-208 22'33'455'66'-NoCB	41.82	2.38E+06	0.77 Y	0.98	0.93	-5.1%	
PCB-206 22'33'44'55'6'-NoCB	45.85	1.91E+06	0.76 Y	0.93	0.86	-7.7%	

PCB QC Summary - Ax2 Detail				Processed: 6-Jul-2012 13:28			
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.86	7.82E+06	3.21 Y	1.20	-	-	
PCB-2 3-MoCB	11.64	7.42E+06	3.18 Y	1.13	1.14	1.2%	
PCB-3 4-MoCB	11.80	7.35E+06	3.19 Y	1.13	-	-	
PCB-4 22'-DiCB	12.00	4.32E+06	1.47 Y	0.94	-	-	
PCB-10 26'-DiCB	12.16	6.73E+06	1.41 Y	1.43	1.67	16.5%	
PCB-9 25'-DiCB	13.74	5.88E+06	1.48 Y	0.87	0.89	2.4%	
PCB-7 24'-DiCB	13.89	6.92E+06	1.43 Y	1.00	1.05	4.4%	
PCB-6 23'-DiCB	14.09	6.33E+06	1.49 Y	0.94	0.96	2.0%	
PCB-5 23'-DiCB	14.35	6.21E+06	1.48 Y	0.92	0.94	2.0%	
PCB-8 24'-DiCB	14.46	6.67E+06	1.46 Y	0.95	1.01	6.3%	
PCB-14 35'-DiCB	15.88	7.28E+06	1.48 Y	1.09	1.10	0.6%	
PCB-11 33'-DiCB	16.59	6.20E+06	1.46 Y	0.98	0.94	-3.9%	
PCB-13/12 34'-/34'-DiCB	16.85	1.25E+07	1.51 Y	0.97	0.94	-2.8%	
PCB-15 44'-DiCB	17.11	6.70E+06	1.46 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.70	3.52E+06	1.01 Y	1.01	-	-	
PCB-30/18 246'-/22'5'-TrCB	16.32	9.05E+06	1.04 Y	1.29	1.23	-5.1%	
PCB-17 22'4'-TrCB	16.68	3.86E+06	1.05 Y	1.14	1.05	-7.9%	
PCB-27 23'6'-TrCB	16.86	5.08E+06	1.04 Y	1.48	1.38	-7.2%	
PCB-24 236'-TrCB	16.97	4.81E+06	1.02 Y	1.43	1.30	-9.0%	
PCB-16 22'3'-TrCB	17.05	3.15E+06	1.03 Y	0.89	0.85	-4.6%	
PCB-32 24'6'-TrCB	17.51	5.41E+06	1.05 Y	1.56	1.46	-6.0%	
PCB-34 2'35'-TrCB	18.60	5.67E+06	1.04 Y	1.18	1.24	5.2%	
PCB-23 235'-TrCB	18.74	5.84E+06	1.03 Y	1.19	1.27	7.6%	
PCB-26/29 23'5'-/245'-TrCB	19.01	1.18E+07	1.02 Y	1.20	1.29	7.4%	
PCB-25 23'4'-TrCB	19.19	5.89E+06	1.03 Y	1.19	1.29	8.1%	
PCB-31 24'5'-TrCB	19.45	6.07E+06	1.05 Y	1.23	1.33	8.2%	
PCB-28/20 244'-/233'-TrCB	19.71	1.15E+07	1.04 Y	1.18	1.26	6.6%	
PCB-21/33 234'-/2'34'-TrCB	19.87	1.20E+07	1.04 Y	1.21	1.31	7.6%	
PCB-22 234'-TrCB	20.23	5.56E+06	1.04 Y	1.11	1.21	8.9%	
PCB-36 33'5'-TrCB	21.58	5.76E+06	1.05 Y	1.21	1.26	3.7%	
PCB-39 34'5'-TrCB	21.88	6.04E+06	1.05 Y	1.32	1.32	0.1%	
PCB-38 345'-TrCB	22.37	5.40E+06	1.04 Y	1.15	1.18	2.2%	
PCB-35 33'4'-TrCB	22.75	5.26E+06	1.06 Y	1.13	1.15	1.4%	
PCB-37 344'-TrCB	23.10	5.37E+06	1.02 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.34	4.02E+06	0.77 Y	0.93	-	-	
PCB-50/53 22'46'-/22'56'-TeCB	19.22	6.83E+06	0.76 Y	0.83	0.83	-0.7%	
PCB-45 22'36'-TeCB	19.76	2.81E+06	0.79 Y	0.71	0.68	-3.7%	
PCB-51 22'46'-TeCB	19.84	3.47E+06	0.77 Y	0.88	0.84	-4.5%	
PCB-46 22'36'-TeCB	20.02	2.80E+06	0.77 Y	0.69	0.68	-2.3%	
PCB-52 22'55'-TeCB	21.26	3.13E+06	0.76 Y	0.80	0.76	-5.7%	
PCB-73 23'5'6TeCB	21.38	4.02E+06	0.76 Y	1.03	0.97	-5.9%	

Lab ID: - Ax2 Detail		Processed: 6-Jul-2012 13:28					
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.46	2.91E+06	0.78 Y	0.71	0.70	-0.2%	
PCB-69/49 23'46'-/22'45'TeCB	21.65	7.73E+06	0.77 Y	0.96	0.94	-2.5%	
PCB-48 22'45'-TeCB	21.91	3.17E+06	0.77 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	22.12	1.03E+07	0.78 Y	0.86	0.83	-3.3%	
PCB-59/62/75 233'6-/2346-/24	22.38	1.31E+07	0.77 Y	1.09	1.06	-2.9%	
PCB-42 22'34'-TeCB	22.54	2.97E+06	0.75 Y	0.77	0.72	-6.2%	
PCB-41 22'34'-TeCB	22.84	2.64E+06	0.77 Y	0.73	0.64	-11.9%	
PCB-71/40 23'4'6/22'33'-TeCB	22.94	6.62E+06	0.80 Y	0.81	0.80	-1.6%	
PCB-64 234'6'-TeCB	23.14	4.53E+06	0.77 Y	1.17	1.10	-6.0%	
PCB-72 23'55'-TeCB	23.88	4.63E+06	0.78 Y	1.25	1.12	-10.5%	
PCB-68 23'45'-TeCB	24.12	5.04E+06	0.74 Y	1.36	1.22	-10.5%	
PCB-57 233'5'-TeCB	24.47	4.52E+06	0.75 Y	1.22	1.09	-10.6%	
PCB-58 233'5'-TeCB	24.66	4.59E+06	0.76 Y	1.26	1.11	-11.5%	
PCB-67 23'45'-TeCB	24.81	4.85E+06	0.77 Y	1.27	1.17	-7.8%	
PCB-63 234'5'-TeCB	25.03	5.05E+06	0.75 Y	1.34	1.22	-8.5%	
PCB-61/70/74/76 2345-/23'4'5	25.31	1.87E+07	0.75 Y	1.24	1.13	-9.0%	
PCB-66 23'44'-TeCB	25.58	4.38E+06	0.75 Y	1.19	1.06	-10.7%	
PCB-55 233'4'-TeCB	25.71	4.52E+06	0.76 Y	1.22	1.09	-10.2%	
PCB-56 233'4'-TeCB	26.14	4.39E+06	0.75 Y	1.18	1.06	-9.9%	
PCB-60 2344'-TeCB	26.32	4.51E+06	0.76 Y	1.24	1.09	-11.9%	
PCB-80 33'55'-TeCB	26.70	5.07E+06	0.76 Y	1.37	1.23	-10.6%	
PCB-79 33'45'-TeCB	27.97	4.99E+06	0.77 Y	1.37	1.21	-11.9%	
PCB-78 33'45'-TeCB	28.44	4.20E+06	0.76 Y	1.19	1.02	-14.9%	
PCB-104 22'466'-PeCB	22.05	3.71E+06	0.65 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.34	3.18E+06	0.65 Y	0.81	0.89	10.0%	
PCB-103 22'45'6'-PeCB	24.02	2.72E+06	0.61 Y	0.78	0.83	6.5%	
PCB-94 22'356'-PeCB	24.19	2.37E+06	0.61 Y	0.71	0.72	1.2%	
PCB-95 22'35'6'-PeCB	24.56	2.48E+06	0.60 Y	0.74	0.75	1.4%	
PCB-100/93 22'44'6-/22'356-P	24.76	5.07E+06	0.60 Y	0.75	0.77	3.1%	
PCB-102 22'456'-PeCB	24.87	2.90E+06	0.60 Y	0.75	0.88	17.5%	
PCB-98 22'3'46'-PeCB	24.94	2.23E+06	0.61 Y	0.71	0.68	-4.6%	
PCB-88 22'346'-PeCB	25.22	2.23E+06	0.59 Y	0.66	0.68	1.8%	
PCB-91 22'34'6'-PeCB	25.29	2.79E+06	0.61 Y	0.84	0.85	1.0%	
PCB-84 22'33'6'-PeCB	25.46	2.16E+06	0.60 Y	0.65	0.66	1.0%	
PCB-89 22'346'-PeCB	25.87	2.26E+06	0.60 Y	0.69	0.68	-0.3%	
PCB-121 23'45'6'-PeCB	26.27	3.32E+06	0.60 Y	0.98	1.01	2.4%	
PCB-92 22'355'-PeCB	26.57	2.34E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6-/22'3	27.04	8.49E+06	0.61 Y	0.81	0.86	6.3%	
PCB-83 22'33'5'-PeCB	27.44	2.04E+06	0.61 Y	0.62	0.62	-0.5%	

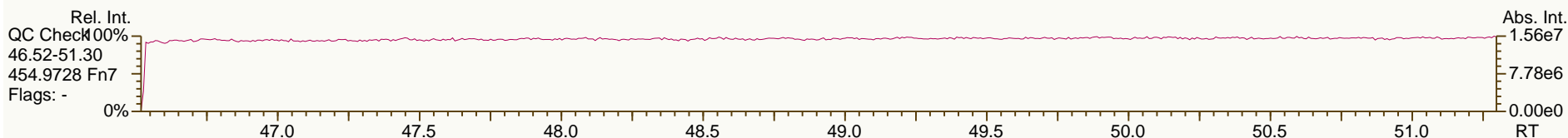
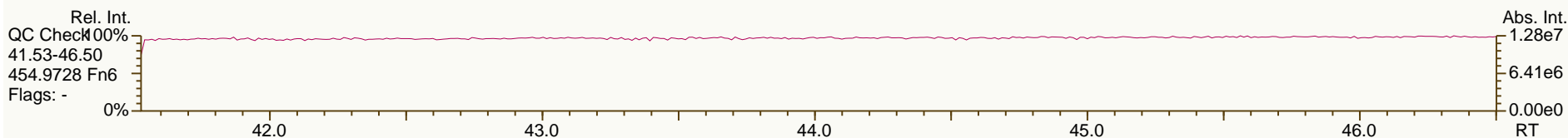
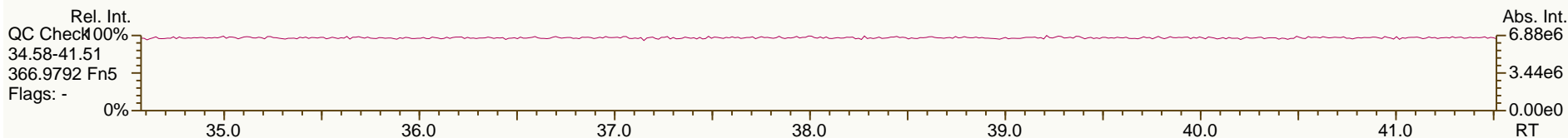
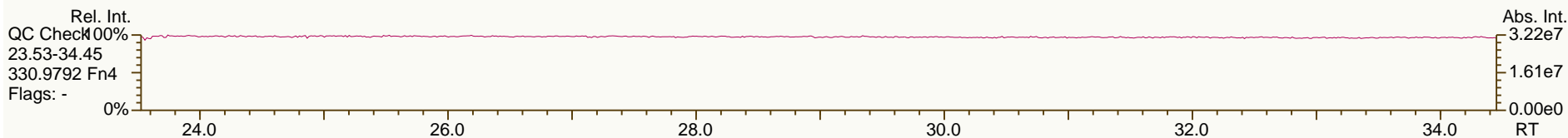
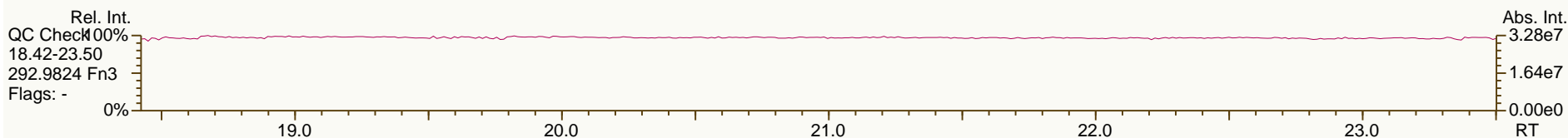
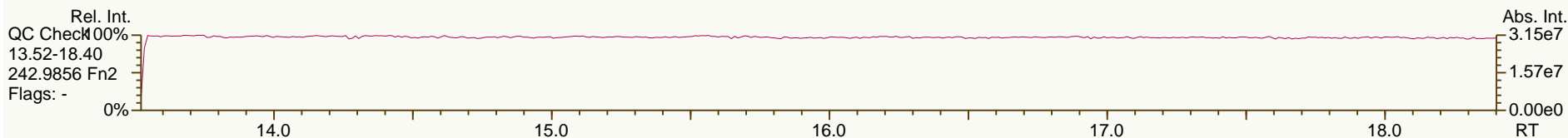
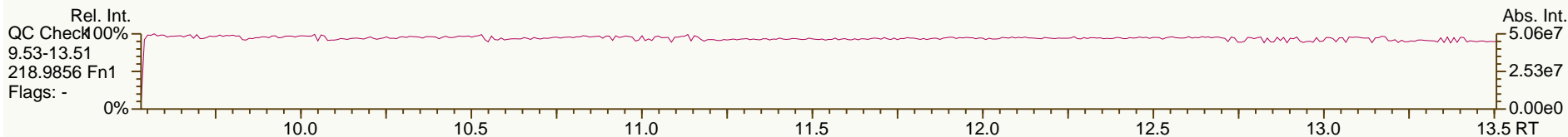
Lab ID: - Ax2 Detail			Processed: 6-Jul-2012 13:28				
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.55	2.52E+06	0.62 Y	0.76	0.77	0.2%	
PCB-112 233'56-PeCB	27.64	3.41E+06	0.62 Y	0.96	1.03	7.4%	
PCB-109/119/86/97/125...-PeCB	27.98	1.76E+07	0.61 Y	0.83	0.89	7.6%	
PCB-117 234'56-PeCB	28.49	2.31E+06	0.58 Y	0.94	0.70	-25.3%	
PCB-116/85 23456-/22'344'-Pe	28.56	6.48E+06	0.61 Y	0.81	0.98	21.7%	
PCB-110 233'46-PeCB	28.70	3.19E+06	0.61 Y	0.92	0.97	5.3%	
PCB-115 2344'6-PeCB	28.78	3.30E+06	0.59 Y	0.95	1.00	5.8%	
PCB-82 22'33'4-PeCB	28.96	2.07E+06	0.61 Y	0.62	0.63	2.0%	
PCB-111 233'55'-PeCB	29.34	3.32E+06	0.59 Y	0.98	1.01	2.2%	
PCB-120 23'455'-PeCB	29.72	3.36E+06	0.59 Y	0.99	1.02	2.8%	
PCB-108/124 ...-PeCB	30.66	6.28E+06	0.61 Y	0.92	0.95	3.6%	
PCB-107 233'4'5-PeCB	30.86	3.46E+06	0.61 Y	1.00	1.05	5.4%	
PCB-106 233'45-PeCB	31.06	3.21E+06	0.62 Y	0.96	0.97	1.3%	
PCB-122 2'33'45-PeCB	31.51	2.91E+06	0.60 Y	0.93	0.91	-1.3%	
PCB-127 33'455'-PeCB	33.48	3.10E+06	0.59 Y	1.04	0.98	-5.4%	
PCB-155 22'44'66'-HxCB	26.88	3.90E+06	1.23 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	27.01	3.60E+06	1.29 Y	0.98	0.98	0.0%	
PCB-150 22'34'66'-HxCB	27.16	3.65E+06	1.25 Y	0.99	1.00	1.1%	
PCB-136 22'33'66'-HxCB	27.44	3.37E+06	1.31 Y	0.92	0.92	-0.1%	
PCB-145 22'3466'HxCB	27.71	3.41E+06	1.24 Y	0.94	0.93	-0.8%	
PCB-148 22'34'56'-HxCB	29.01	2.64E+06	1.25 Y	0.73	0.72	-1.7%	
PCB-151/135 22'355'6-/22'33'	29.51	5.23E+06	1.24 Y	0.71	0.71	0.3%	
PCB-154 22'44'5'6-HxCB	29.73	2.90E+06	1.31 Y	0.78	0.79	0.9%	
PCB-144 22'345'6-HxCB	29.97	2.62E+06	1.26 Y	0.72	0.72	-0.5%	
PCB-147/149 22'34'56-/22'34'	30.27	5.38E+06	1.27 Y	0.72	0.73	1.3%	
PCB-134 22'33'56-HxCB	30.42	2.21E+06	1.23 Y	0.61	0.60	-0.8%	
PCB-143 22'3456'-HxCB	30.51	2.55E+06	1.23 Y	0.69	0.70	0.6%	
PCB-139/140 22'344'6-/22'344'	30.77	5.49E+06	1.30 Y	0.73	0.75	2.0%	
PCB-131 22'33'46-HxCB	30.93	2.28E+06	1.26 Y	0.65	0.62	-3.9%	
PCB-142 22'3456-HxCB	31.06	2.47E+06	1.28 Y	0.67	0.67	0.1%	
PCB-132 22'33'46'-HxCB	31.30	2.46E+06	1.27 Y	0.68	0.67	-1.3%	
PCB-133 22'33'55'-HxCB	31.76	2.43E+06	1.24 Y	0.69	0.66	-3.5%	
PCB-165 233'55'6-HxCB	32.10	3.03E+06	1.22 Y	0.82	0.83	0.3%	
PCB-146 22'34'55'-HxCB	32.31	2.66E+06	1.27 Y	0.73	0.72	-0.7%	
PCB-161 233'45'6-HxCB	32.42	3.46E+06	1.29 Y	0.93	0.95	2.0%	
PCB-153/168 22'44'55'-/23'44'	32.85	6.56E+06	1.27 Y	0.89	0.89	0.6%	
PCB-141 22'3455'-HxCB	32.98	2.45E+06	1.34 Y	0.71	0.67	-5.5%	
PCB-130 22'33'45'-HxCB	33.31	2.25E+06	1.28 Y	0.64	0.61	-3.4%	
PCB-137 22'344'5-HxCB	33.50	2.64E+06	1.27 Y	0.78	0.72	-7.3%	
PCB-164 233'4'5'6-HxCB	33.59	3.42E+06	1.27 Y	0.88	0.93	6.1%	
PCB-163/138/129 233'4'56-/22'	33.87	8.34E+06	1.30 Y	0.76	0.76	-0.4%	

Lab ID: - Ax2 Detail				Processed: 6-Jul-2012 13:28			
Lab ID:	CS3_120703_PCB_SC	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	03-JUL-2012 14:13						
Datafile:	120703S03						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	34.00	3.35E+06	1.26 Y	0.88	0.91		3.3%
PCB-158 233'44'6'-HxCB	34.19	3.52E+06	1.24 Y	0.96	0.96		-0.2%
PCB-128/166 22'33'44'-/2344'5	34.90	5.20E+06	1.21 Y	0.86	0.90		4.3%
PCB-159 233'455'-HxCB	35.76	3.06E+06	1.25 Y	1.03	1.06		3.1%
PCB-162 233'4'55'-HxCB	36.00	3.16E+06	1.26 Y	1.04	1.09		5.3%
PCB-188 22'34'566'-HpCB	31.69	3.29E+06	1.06 Y	1.07	-		-
PCB-179 22'33'566'-HpCB	31.95	3.08E+06	1.09 Y	0.98	1.09		11.8%
PCB-184 22'344'66'-HpCB	32.42	2.96E+06	1.04 Y	0.97	1.05		8.1%
PCB-176 22'33'466'-HpCB	32.69	3.30E+06	1.08 Y	1.06	1.17		10.2%
PCB-186 22'34566'-HpCB	33.07	3.18E+06	1.09 Y	1.02	1.13		11.0%
PCB-178 22'33'55'6'-HpCB	34.25	2.31E+06	1.03 Y	0.77	0.82		6.2%
PCB-175 22'33'45'6'-HpCB	34.79	2.43E+06	1.02 Y	0.70	0.86		23.3%
PCB-187 22'34'55'6'-HpCB	35.02	2.56E+06	1.01 Y	0.73	0.91		24.3%
PCB-182 22'344'56'-HpCB	35.19	2.62E+06	1.06 Y	0.74	0.93		25.1%
PCB-183 22'344'5'6'-HpCB	35.53	2.82E+06	0.99 Y	0.75	1.00		33.5%
PCB-185 22'3455'6'-HpCB	35.60	2.36E+06	1.06 Y	0.73	0.84		15.1%
PCB-174 22'33'456'-HpCB	35.71	2.16E+06	1.02 Y	0.63	0.77		22.4%
PCB-177 22'33'4'56'-HpCB	36.08	2.16E+06	1.03 Y	0.64	0.77		20.2%
PCB-181 22'344'56'-HpCB	36.42	2.53E+06	1.02 Y	0.72	0.90		25.5%
PCB-171/173 22'33'44'6'-/22'3	36.59	4.52E+06	1.05 Y	0.64	0.80		26.0%
PCB-172 22'33'455'-HpCB	37.99	2.27E+06	1.04 Y	0.69	0.72		4.2%
PCB-192 233'455'6'-HpCB	38.23	2.88E+06	1.08 Y	0.91	0.91		0.2%
PCB-180/193 22'344'55'-/233'	38.51	5.46E+06	1.06 Y	0.84	0.86		2.4%
PCB-191 233'44'5'6'-HpCB	38.83	2.97E+06	1.04 Y	0.94	0.94		-0.4%
PCB-170 22'33'44'5'-HpCB	39.58	2.14E+06	1.01 Y	0.70	0.68		-2.9%
PCB-190 233'44'56'-HpCB	40.03	2.89E+06	1.02 Y	0.94	0.91		-3.5%
PCB-202 22'33'55'66'-OcCB	36.20	2.49E+06	0.92 Y	0.83	-		-
PCB-201 22'33'45'66'-OcCB	36.98	2.78E+06	0.87 Y	0.93	0.95		2.1%
PCB-204 22'344'566'-OcCB	37.55	2.65E+06	0.90 Y	0.89	0.90		1.2%
PCB-197 22'33'44'66'-OcCB	37.73	2.59E+06	0.88 Y	0.91	0.88		-3.3%
PCB-200 22'33'4566'-OcCB	37.82	2.46E+06	0.88 Y	0.93	0.84		-9.7%
PCB-198/199 22'33'455'6'-/22'	40.17	3.96E+06	0.88 Y	0.68	0.67		-1.4%
PCB-196 22'33'44'56'-OcCB	40.74	2.01E+06	0.87 Y	0.72	0.68		-4.7%
PCB-203 22'344'55'6'-OcCB	40.90	2.11E+06	0.88 Y	0.74	0.72		-2.4%
PCB-195 22'33'44'56'-OcCB	42.01	1.79E+06	0.92 Y	0.81	0.66		-18.9%
PCB-194 22'33'44'55'-OcCB	43.98	1.97E+06	0.92 Y	0.86	0.72		-15.5%
PCB-205 233'44'55'6'-OcCB	44.38	2.50E+06	0.89 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	41.82	2.38E+06	0.77 Y	0.98	-		-
PCB-207 22'33'44'566'-NoCB	42.60	2.55E+06	0.78 Y	1.02	0.99		-2.3%
PCB-206 22'33'44'55'6'-NoCB	45.85	1.91E+06	0.76 Y	0.93	-		-

AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

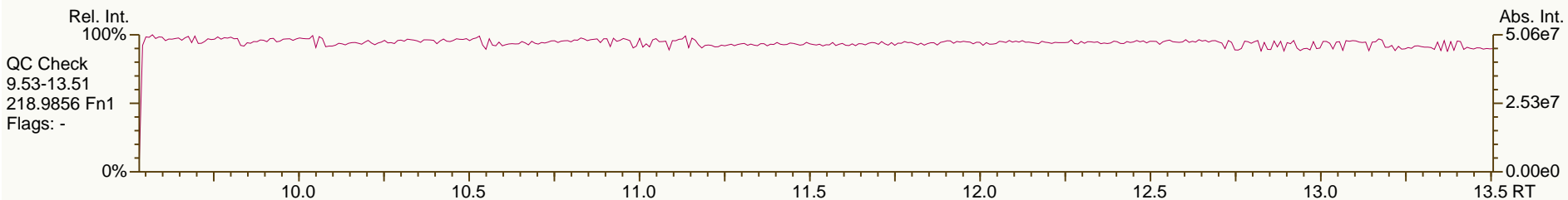
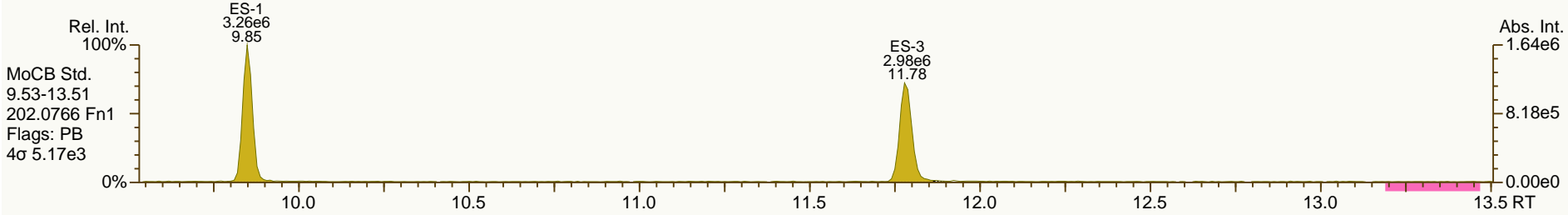
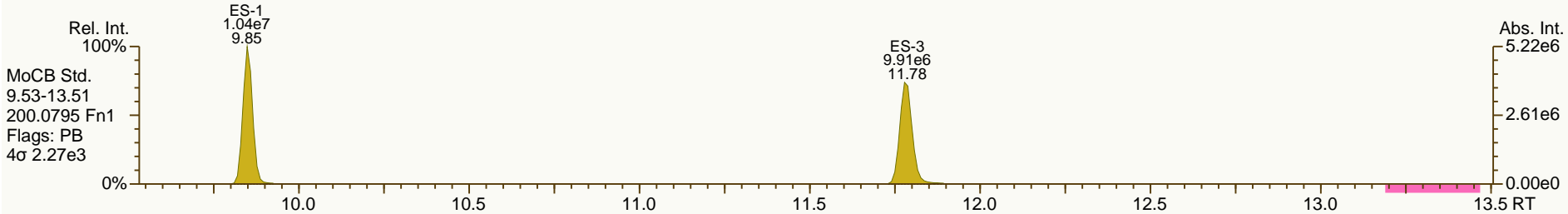
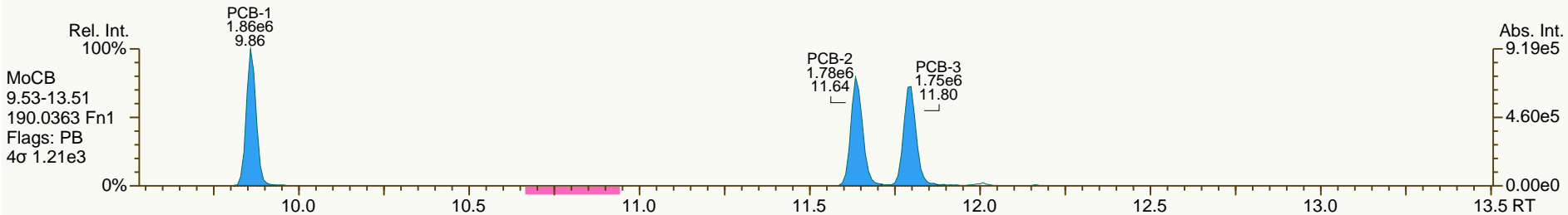
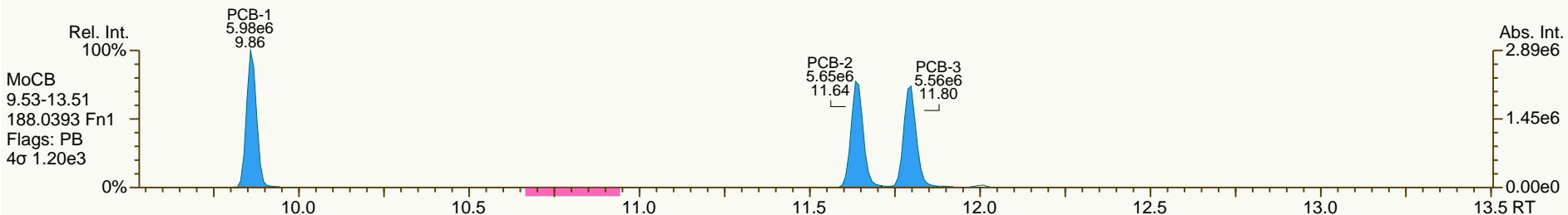
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AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
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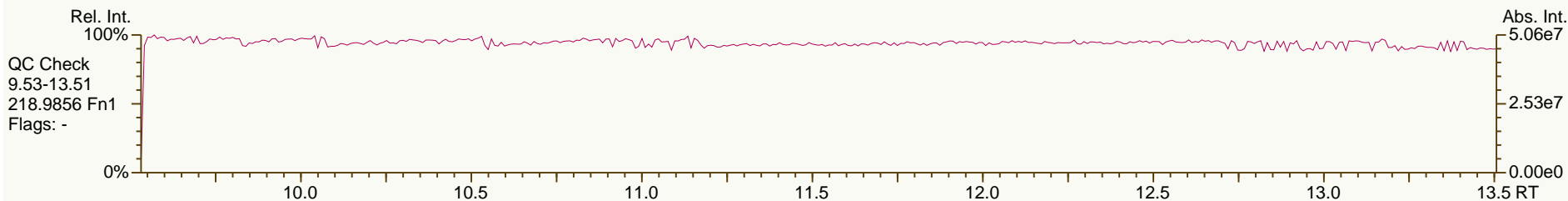
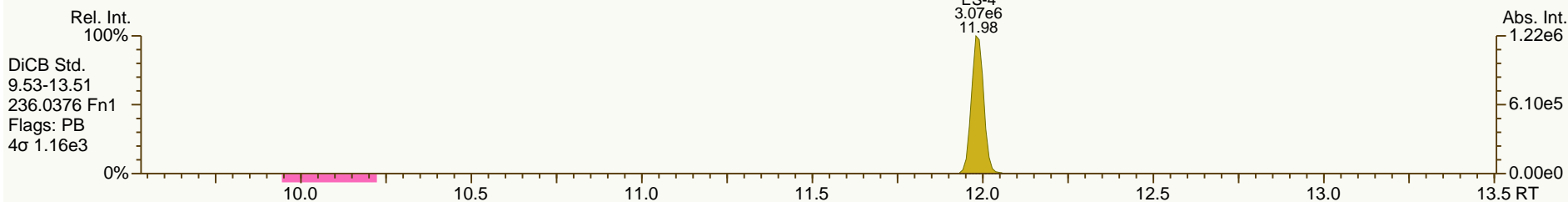
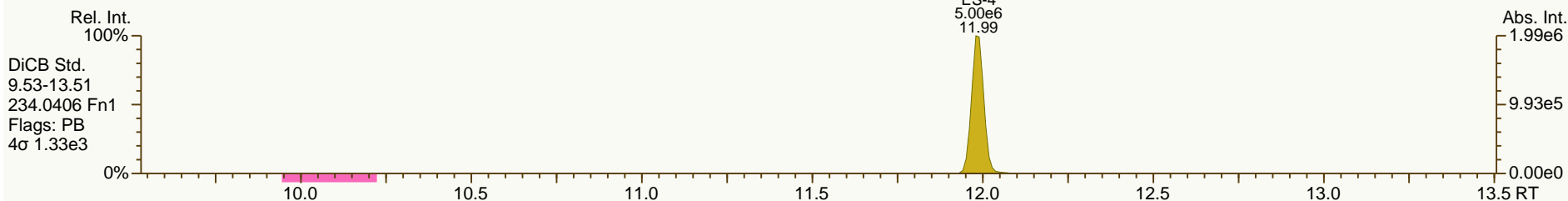
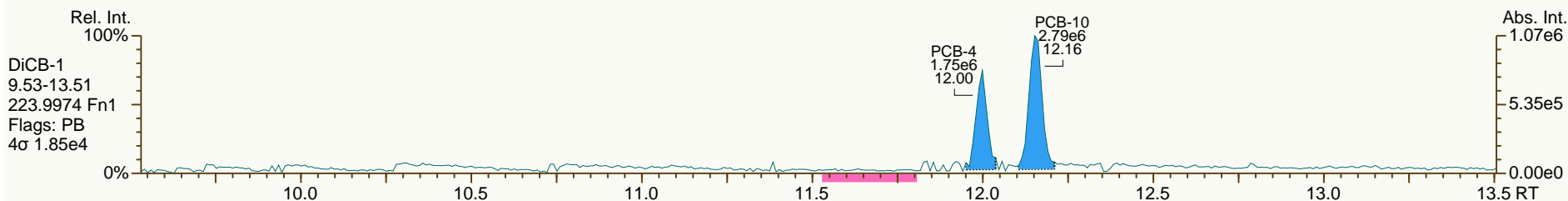
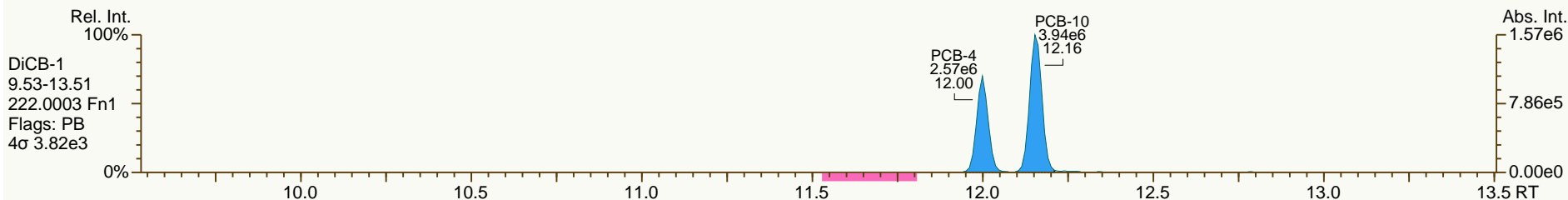
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 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
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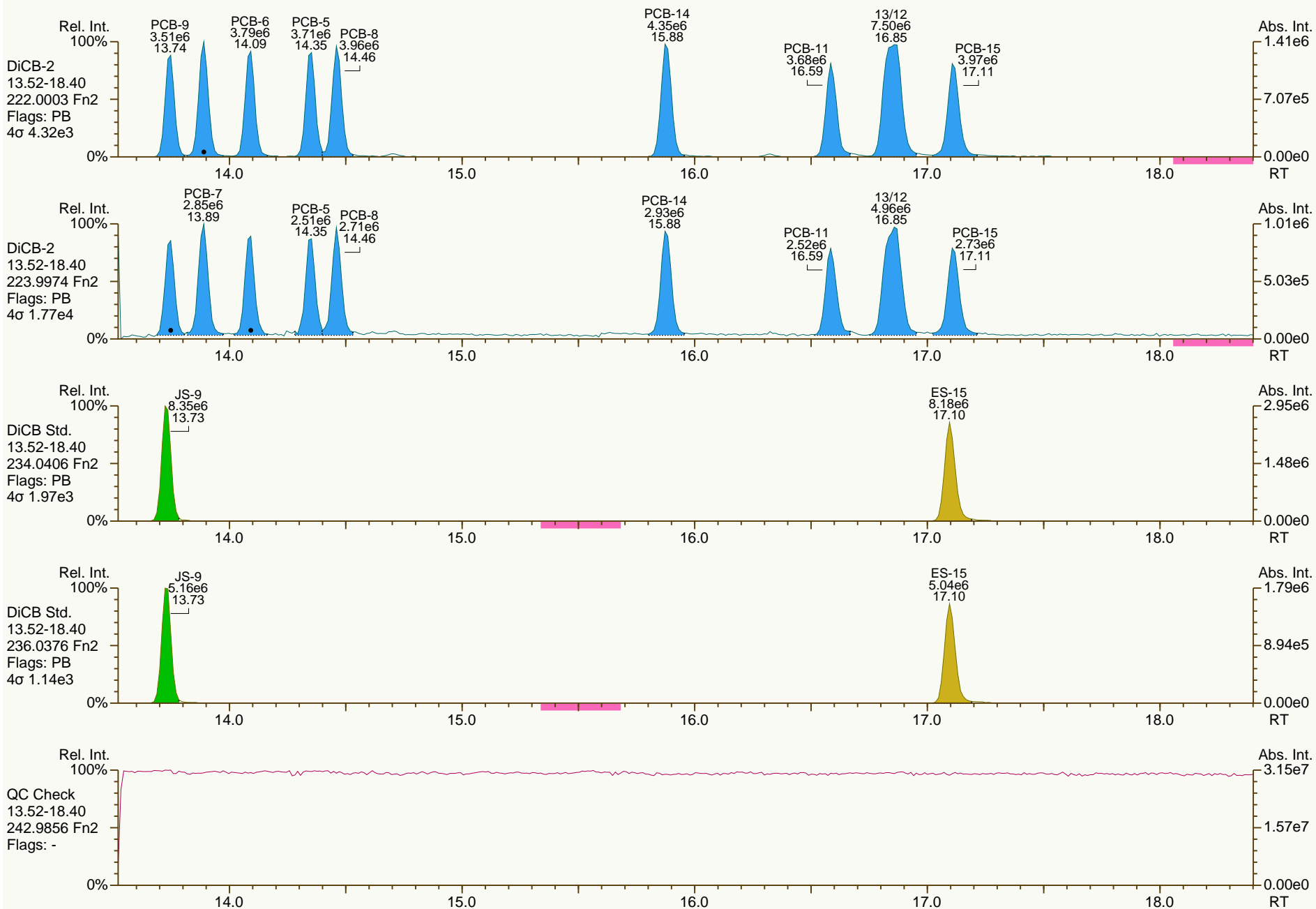
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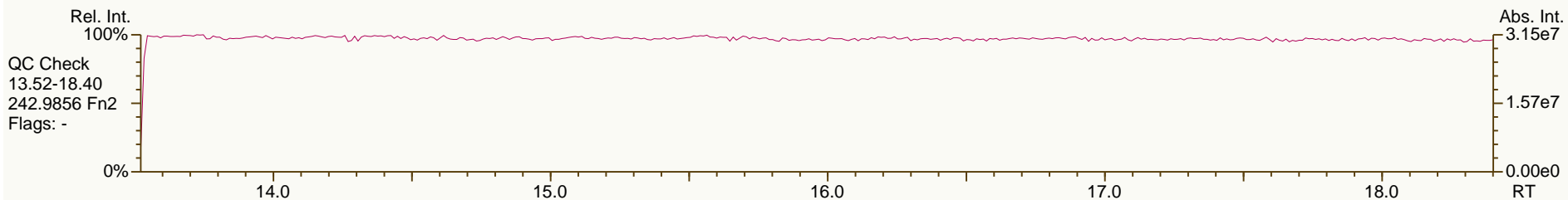
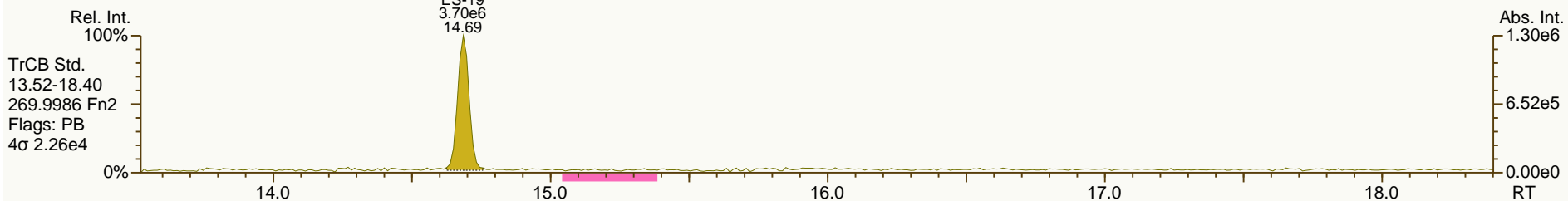
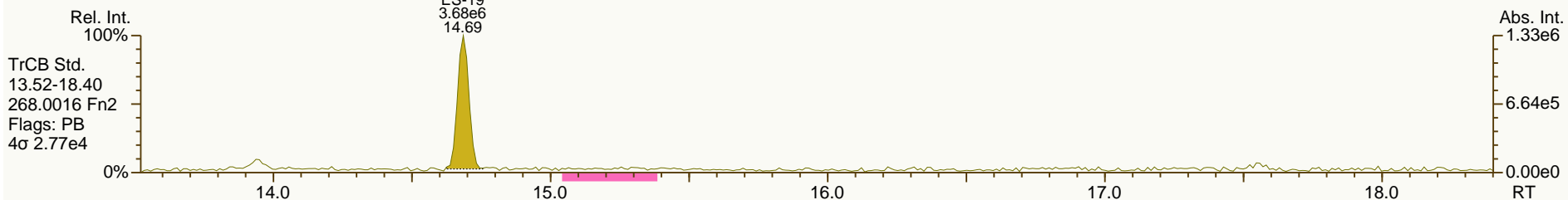
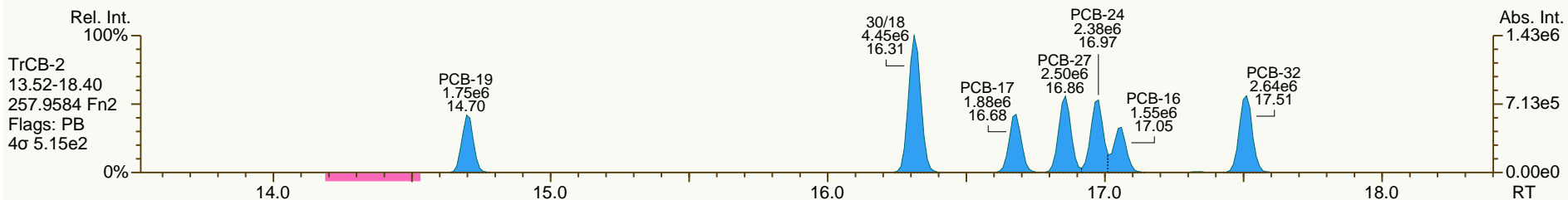
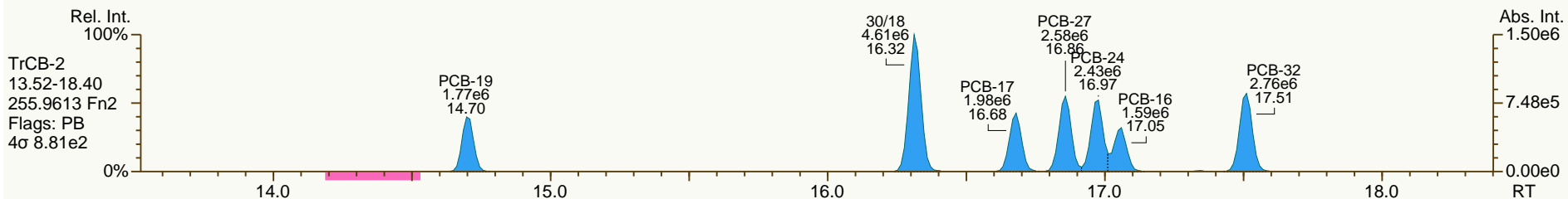
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Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

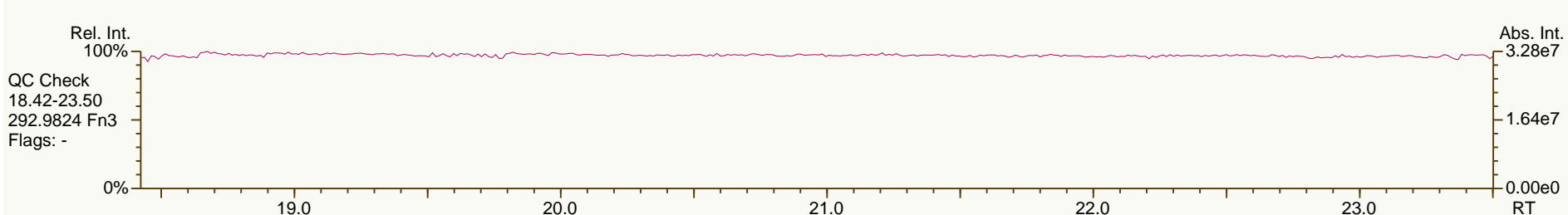
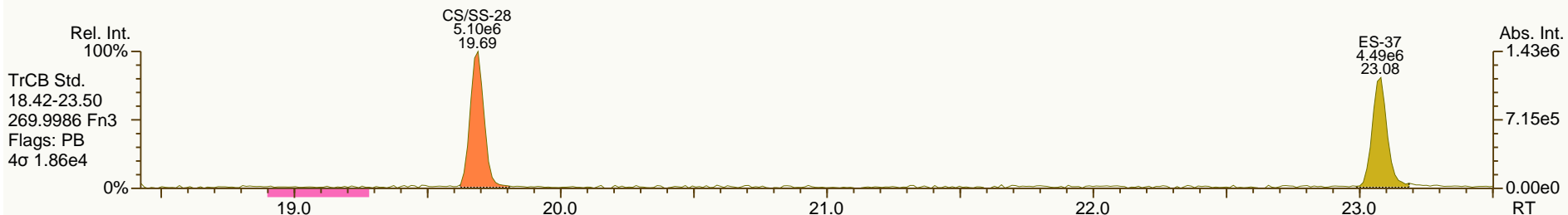
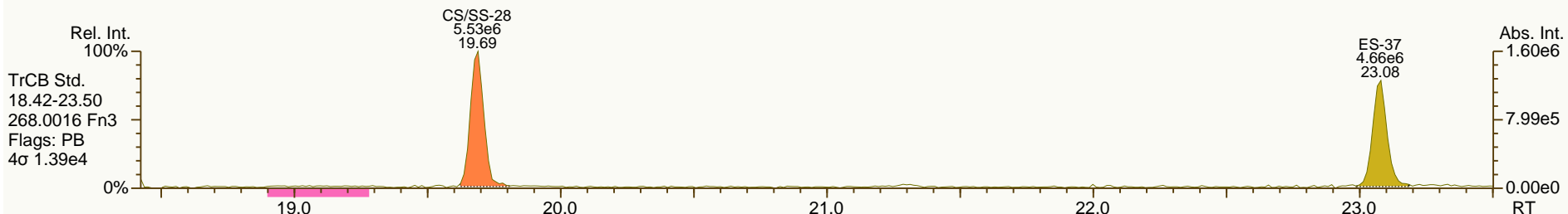
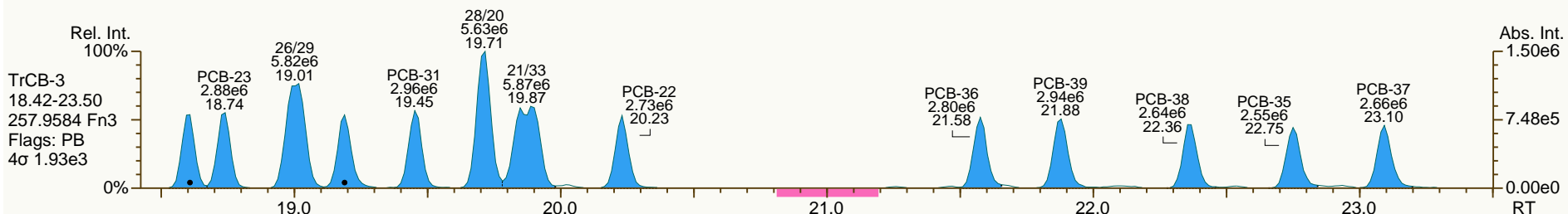
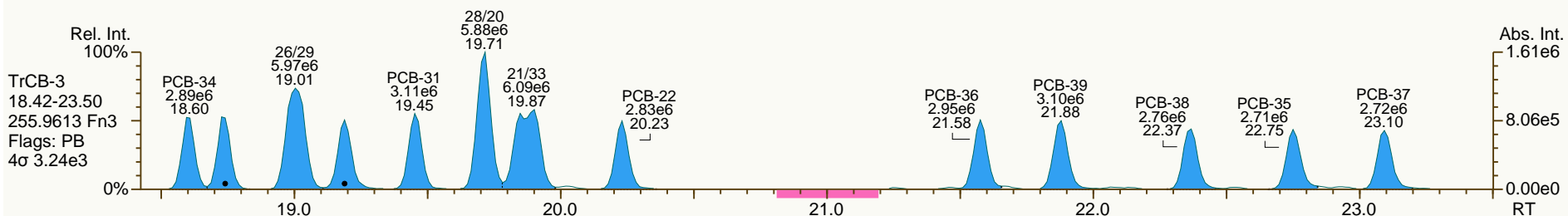
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AP Lab ID: CS3_120703_PCB_SC
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Sample ID: M1668-RETCON S40-51
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AP Lab ID: CS3_120703_PCB_SC
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Sample ID: M1668-RETCO S40-51
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Sample ID: M1668-RETCON S40-51
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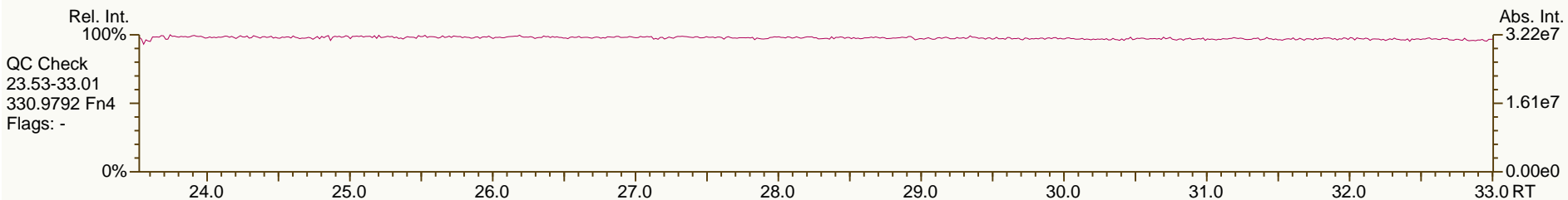
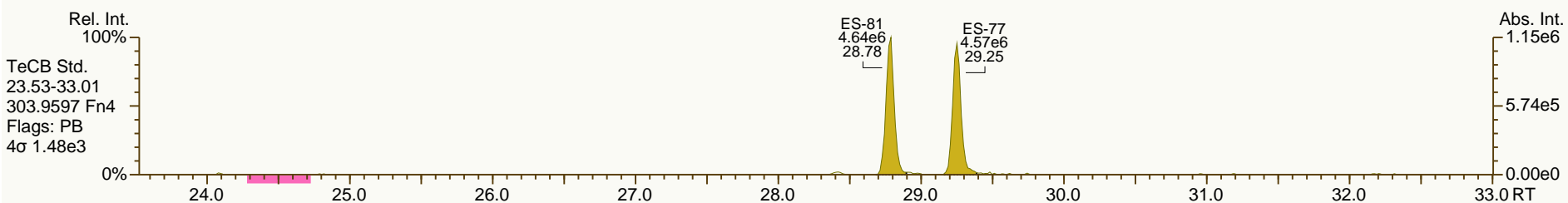
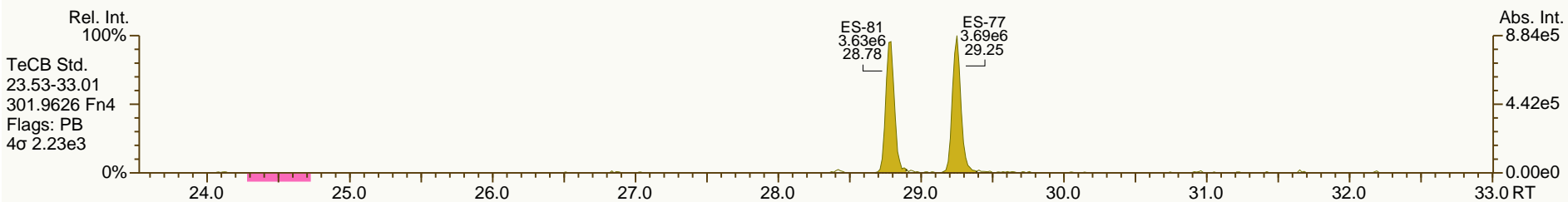
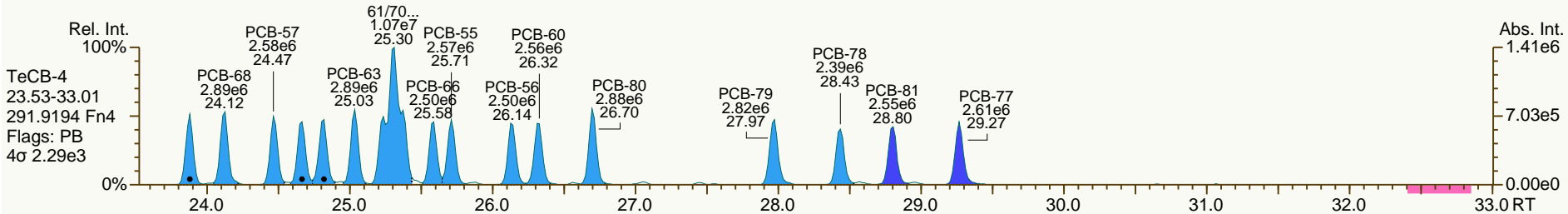
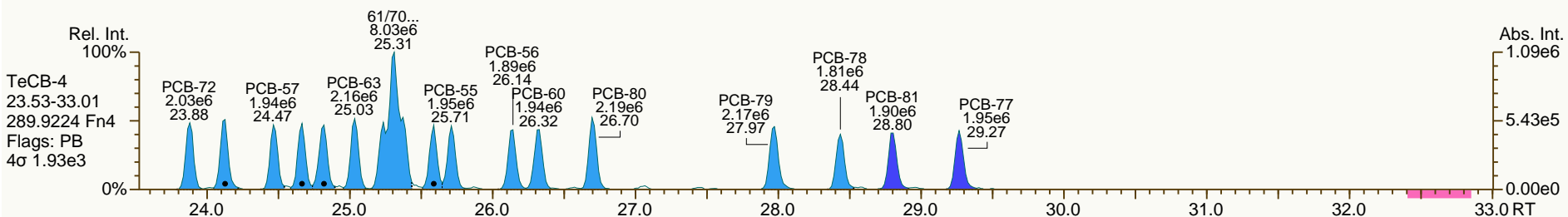
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AP Lab ID: CS3_120703_PCB_SC
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Sample ID: M1668-RETCON S40-51
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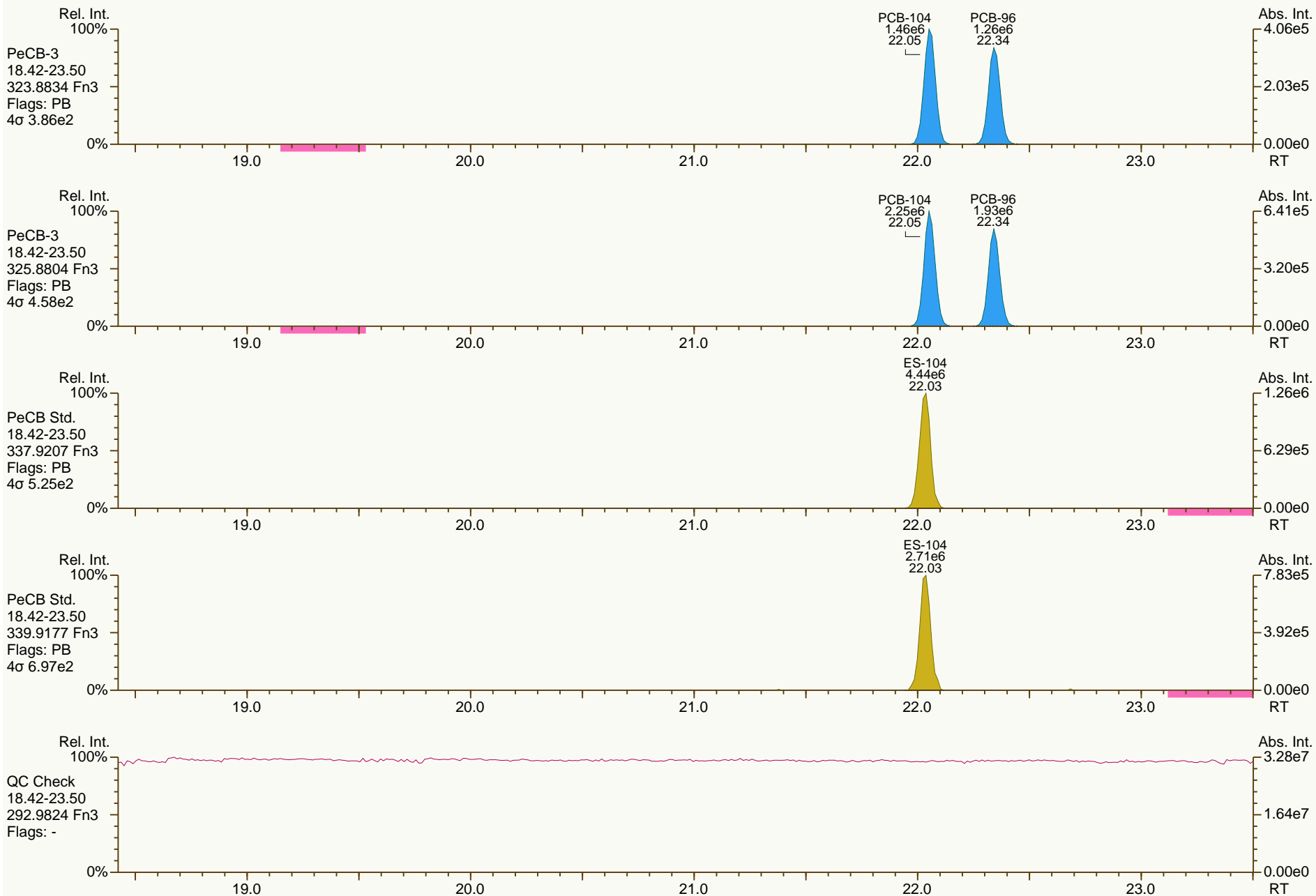
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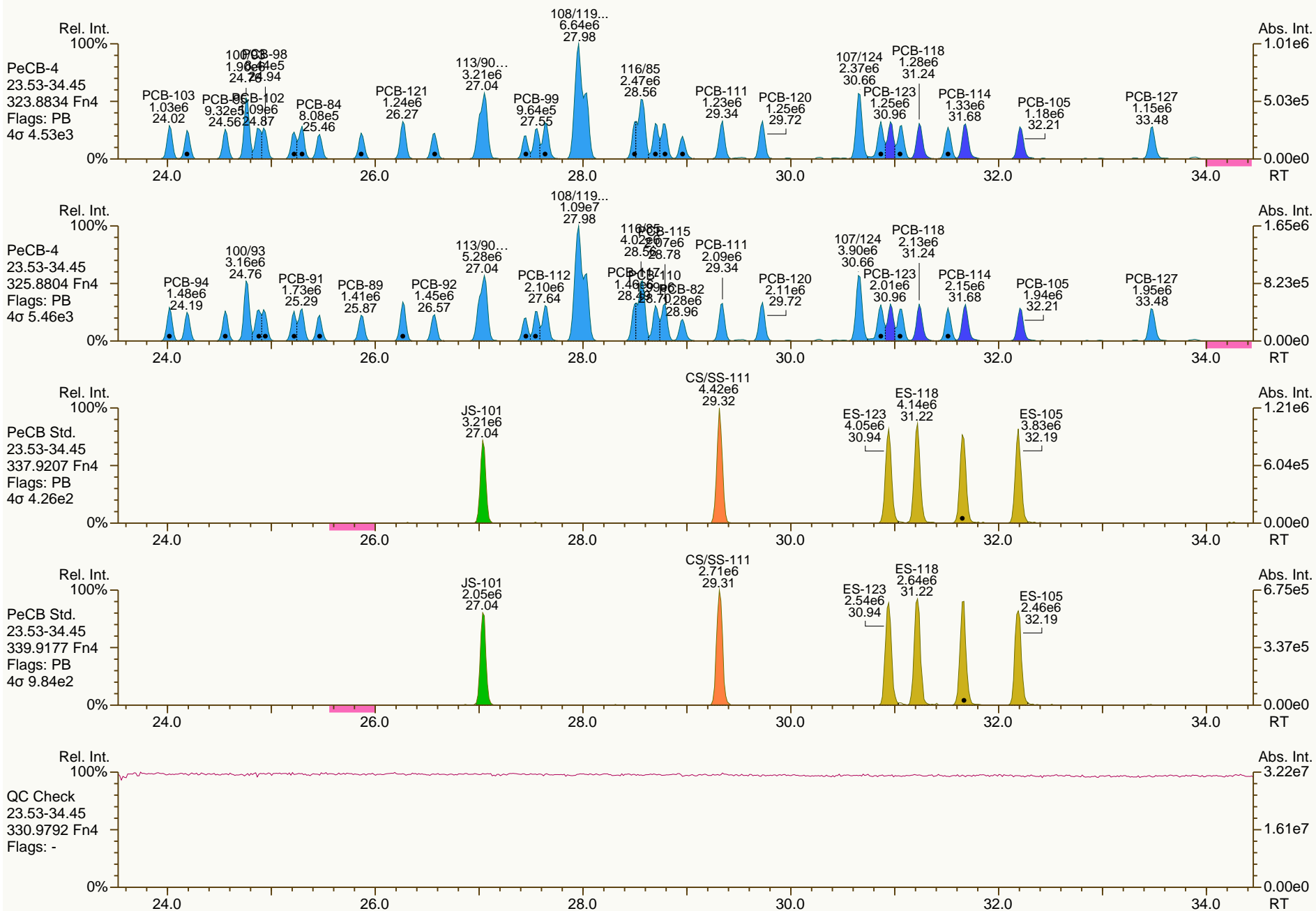
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Sample ID: M1668-RETCON S40-51
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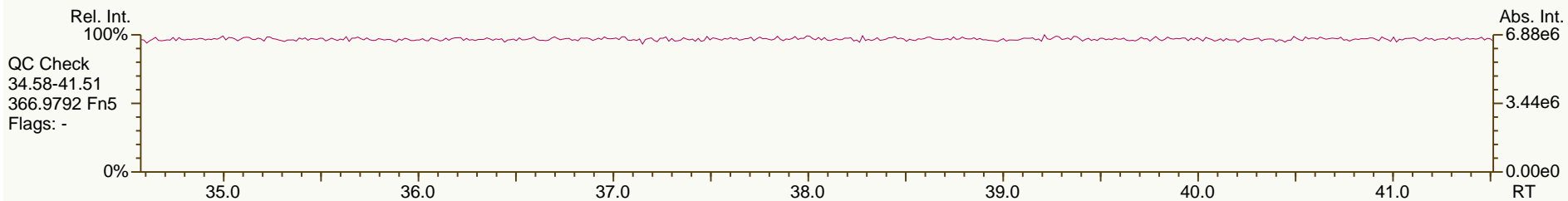
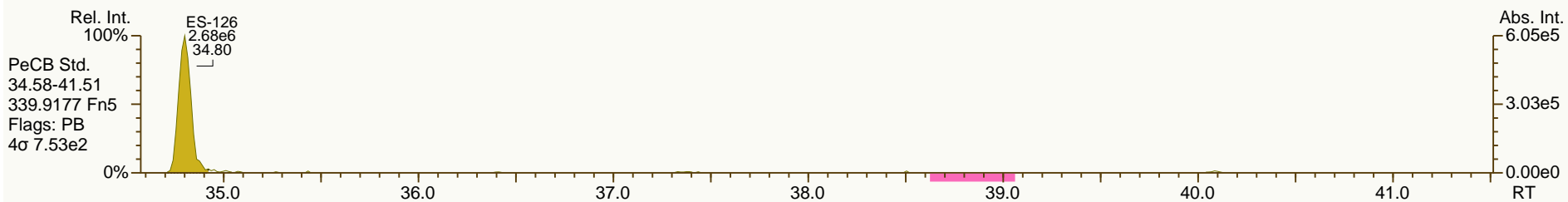
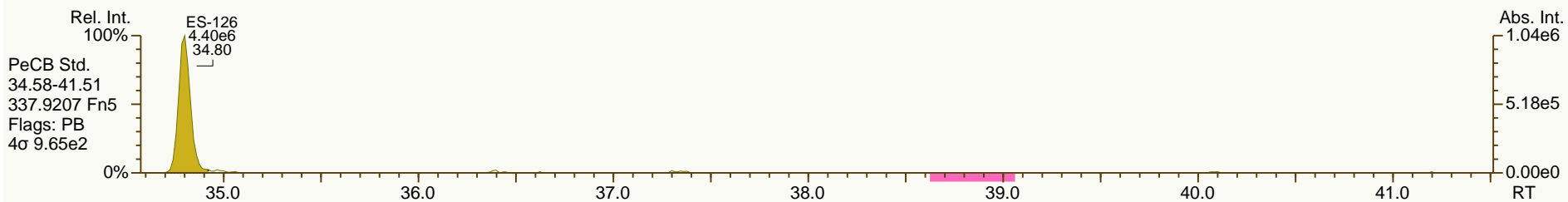
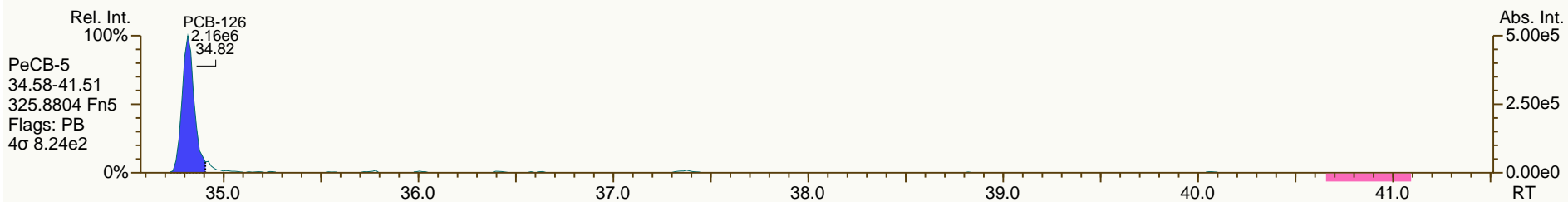
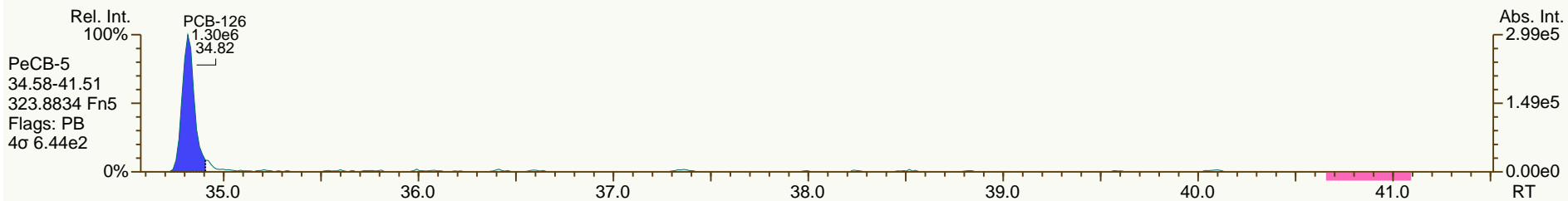
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AP Lab ID: CS3_120703_PCB_SC
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Sample ID: M1668-RETCO S40-51
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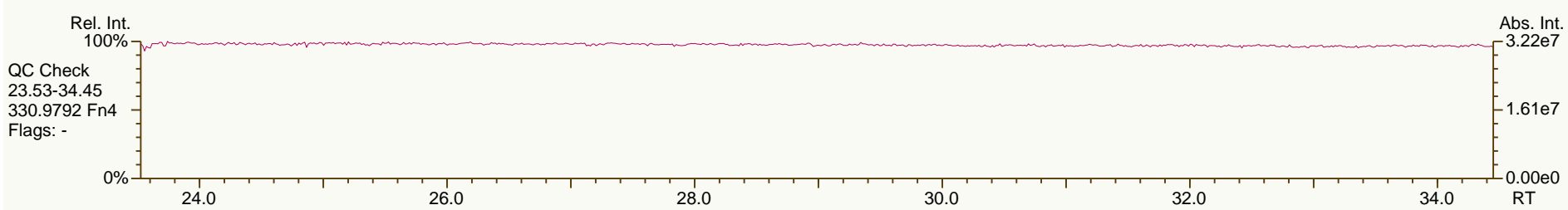
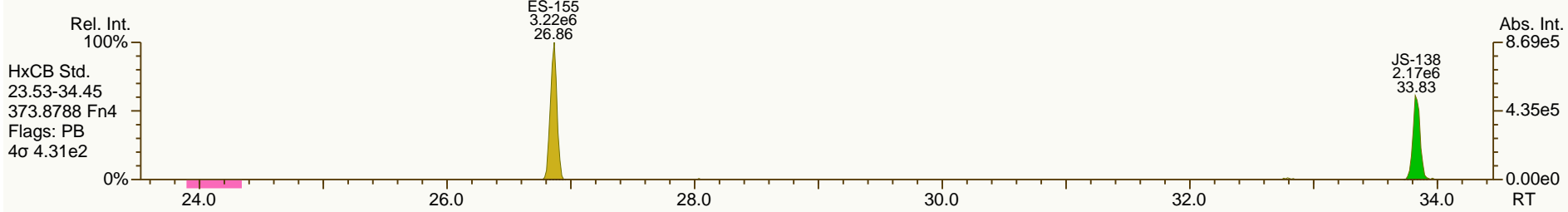
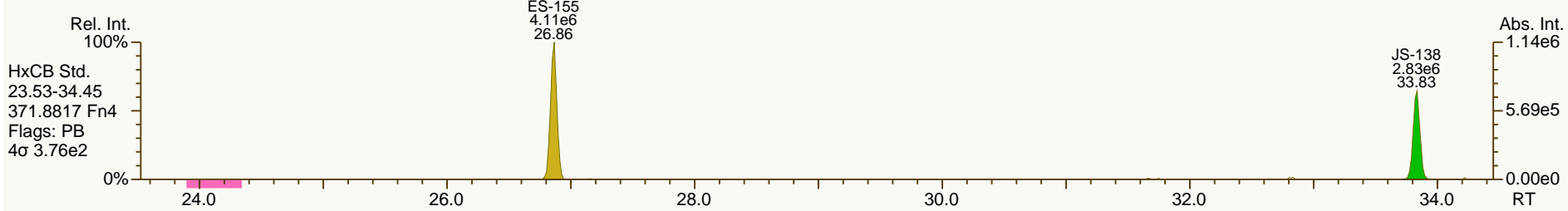
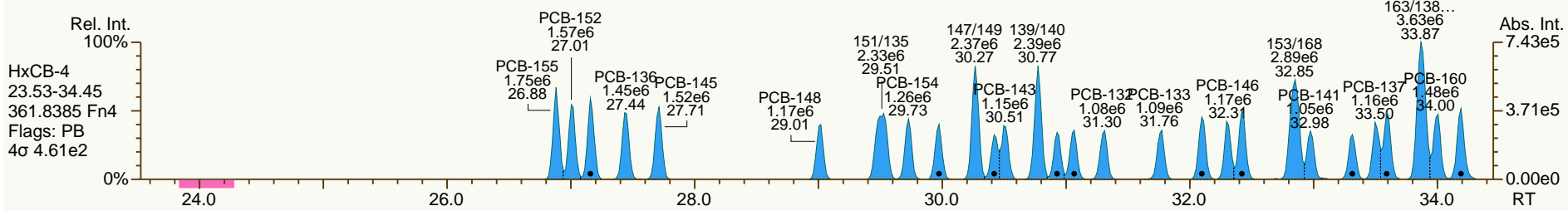
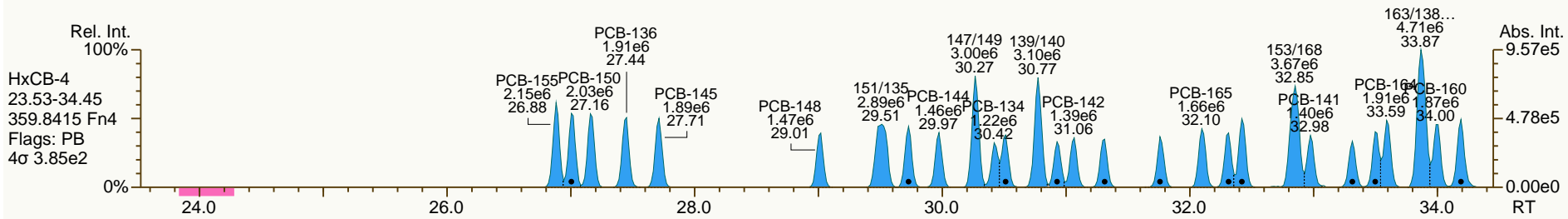
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AP Lab ID: CS3_120703_PCB_SC
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Sample ID: M1668-RETCON S40-51
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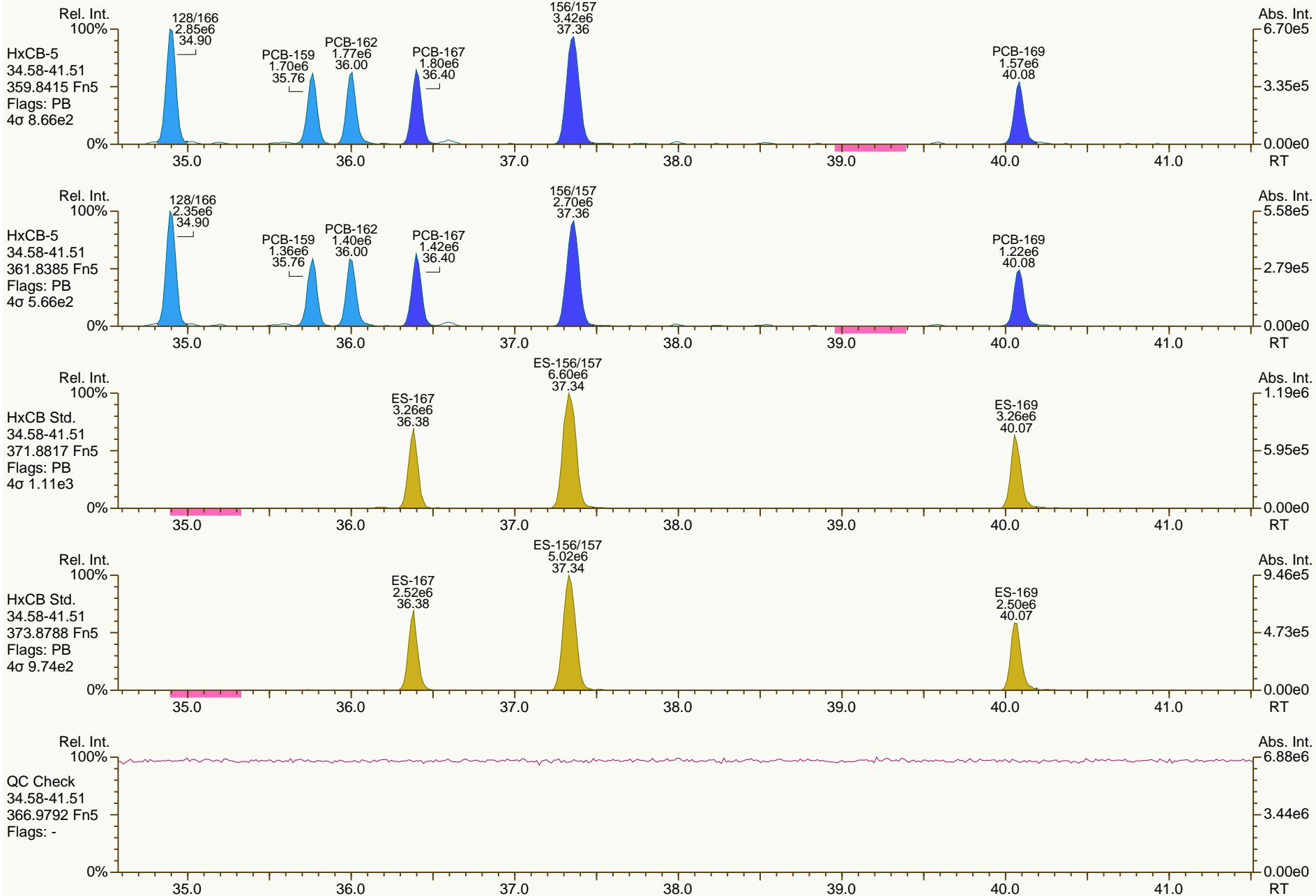
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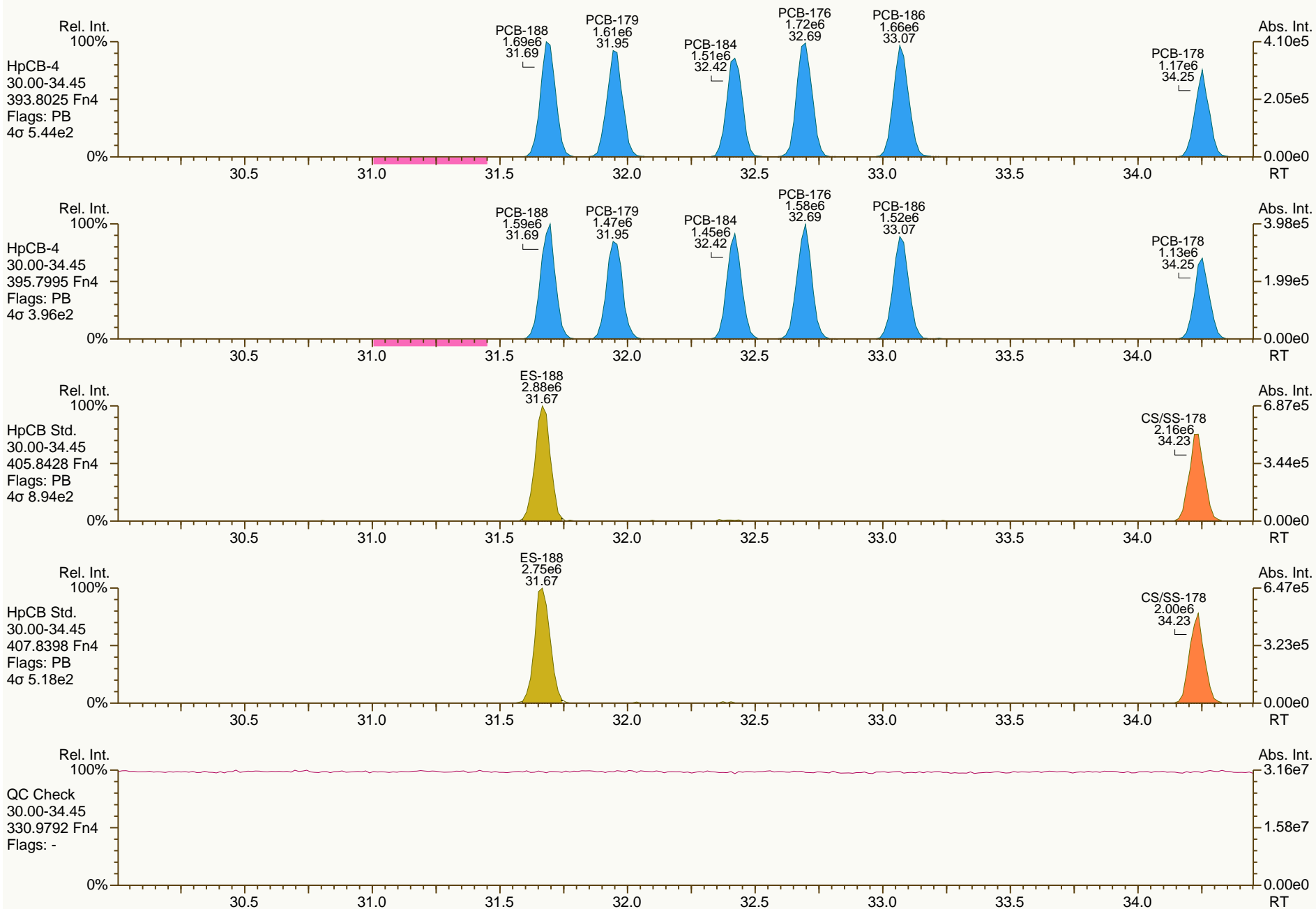
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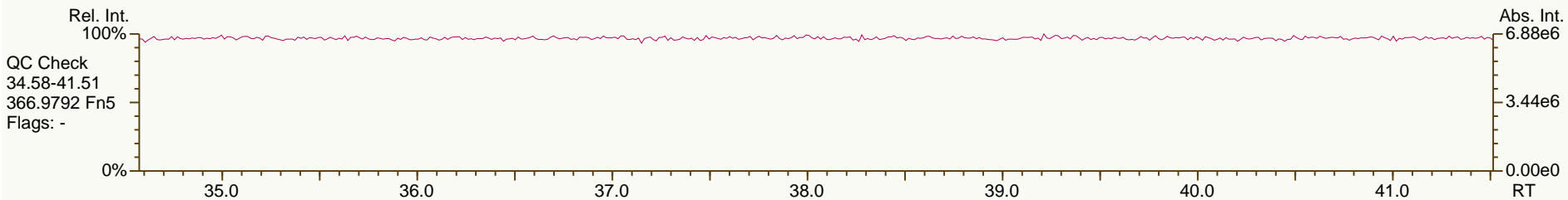
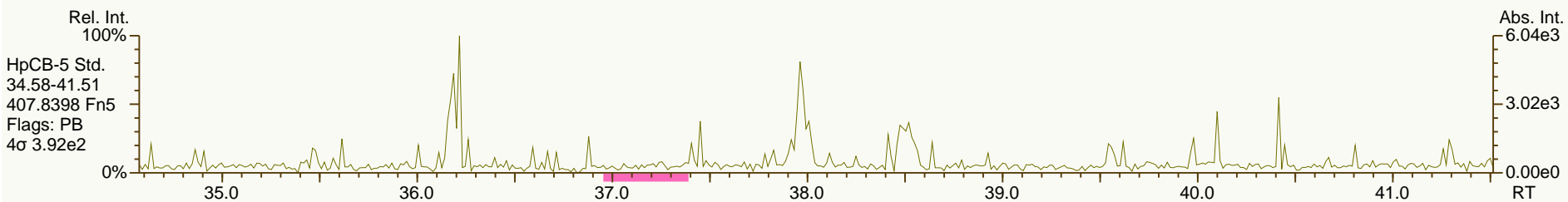
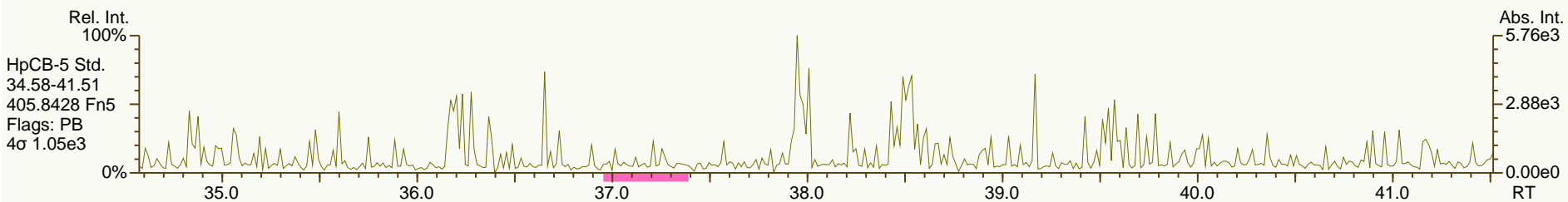
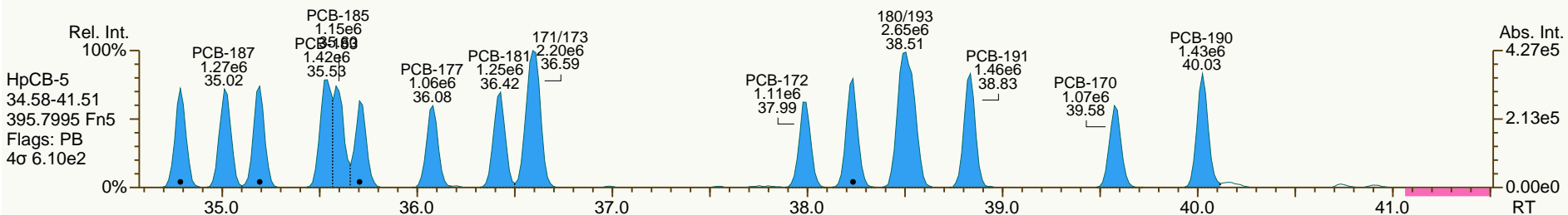
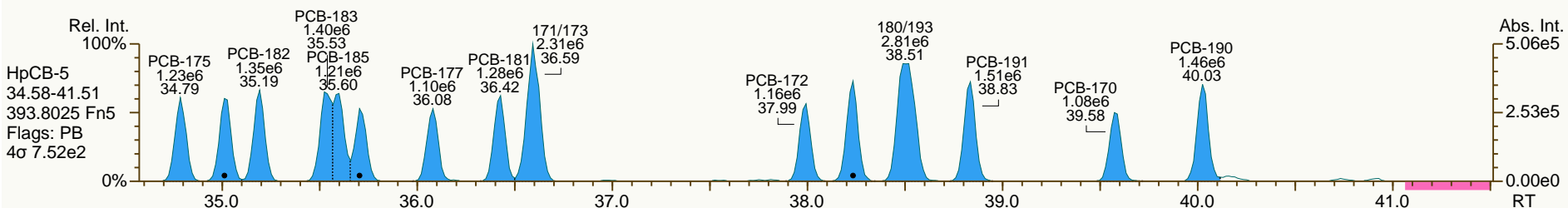
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AP Lab ID: CS3_120703_PCB_SC
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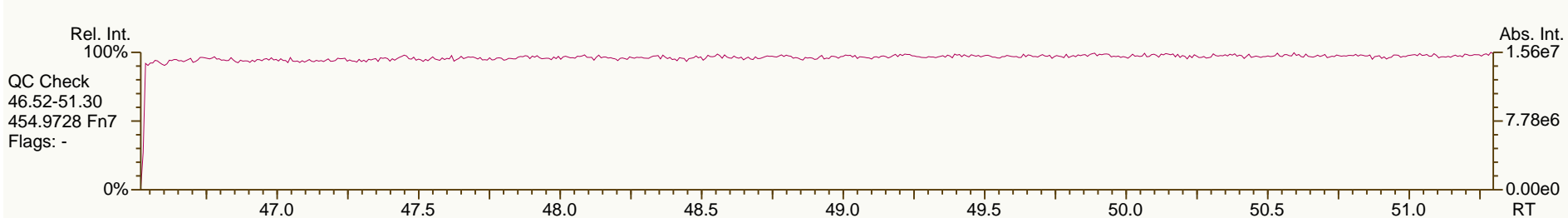
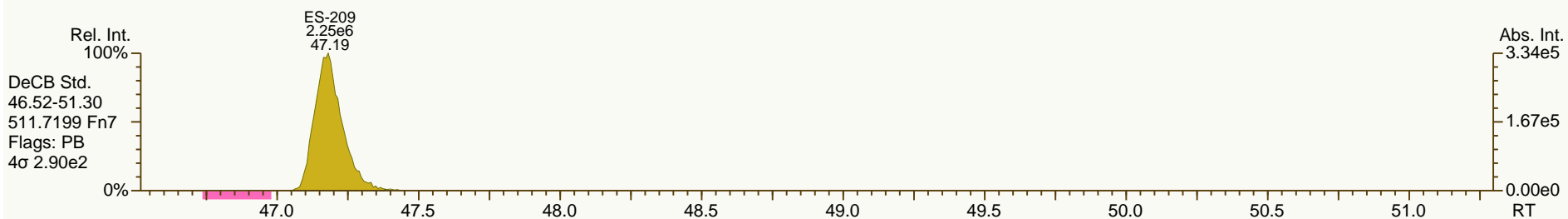
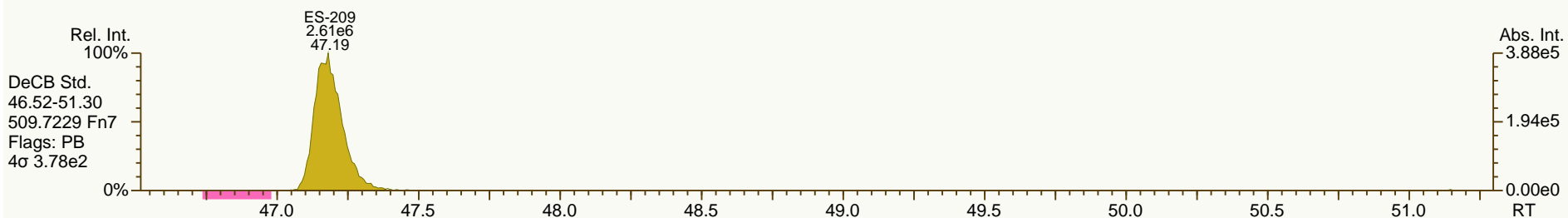
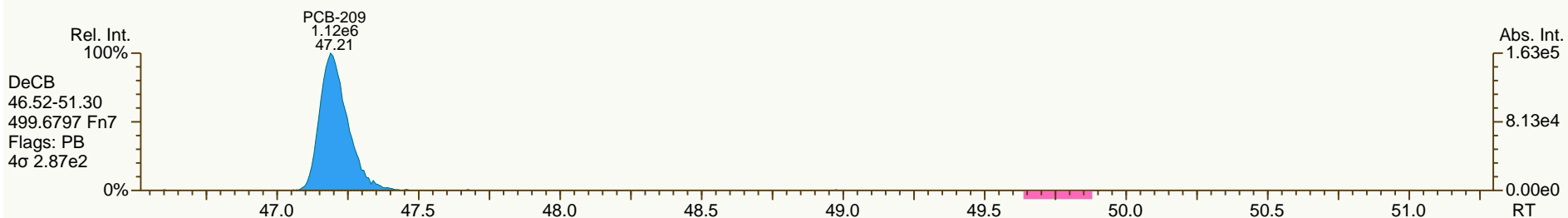
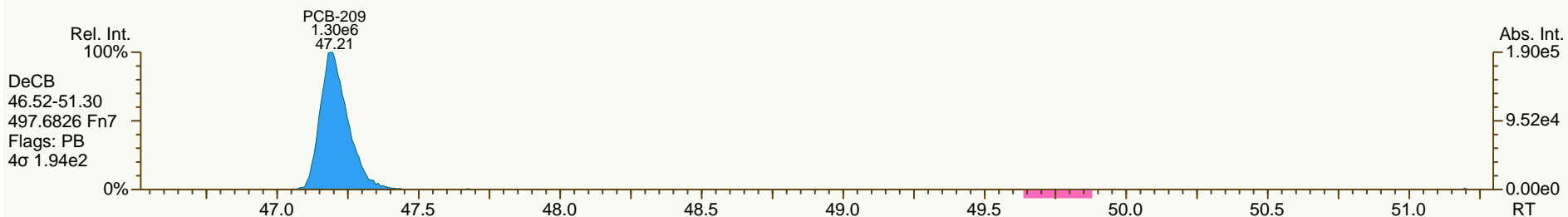
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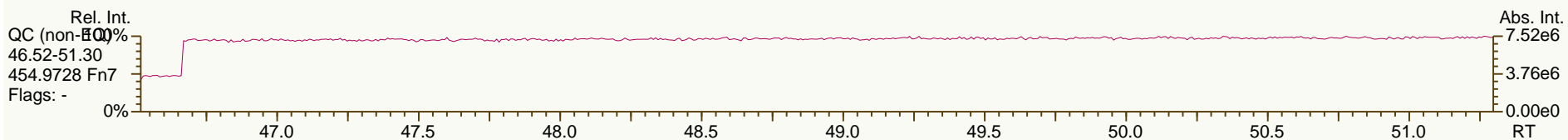
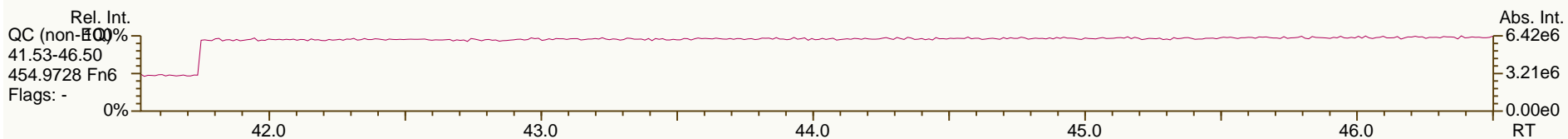
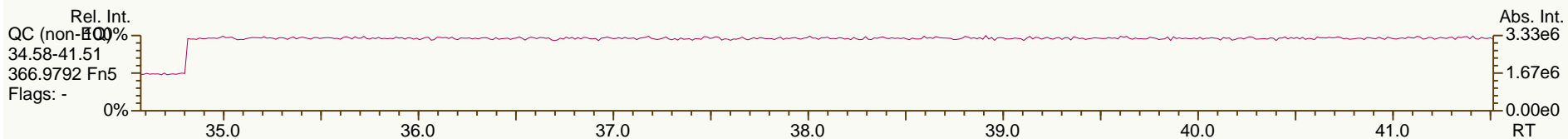
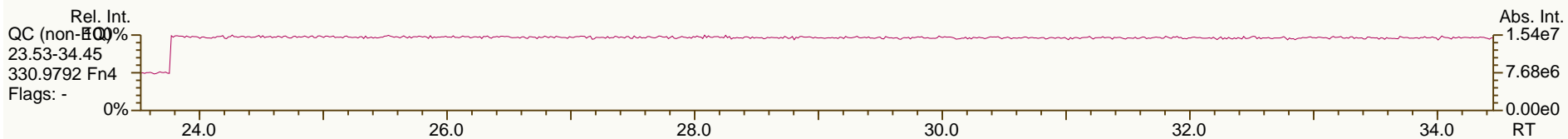
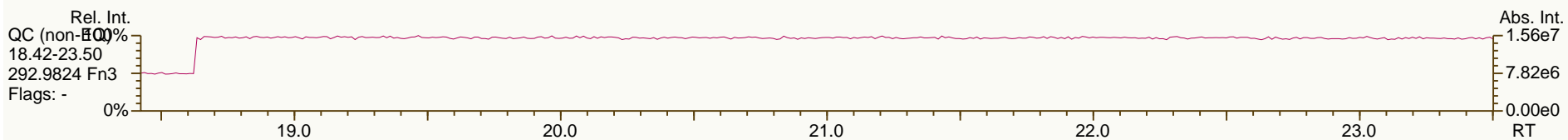
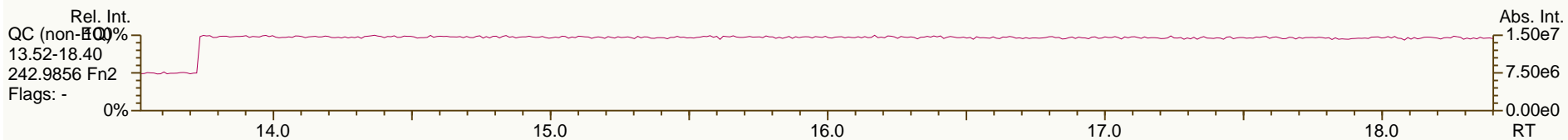
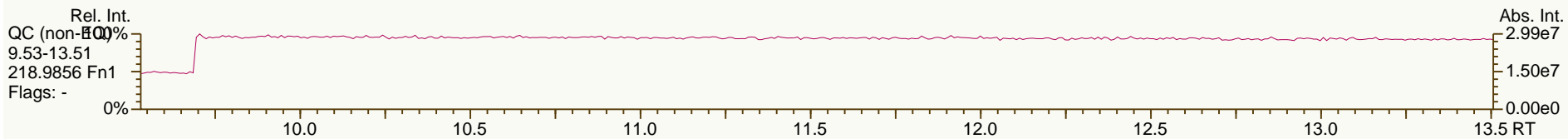
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 User: LKB Datafile: 120703S03



AP Lab ID: CS3_120703_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

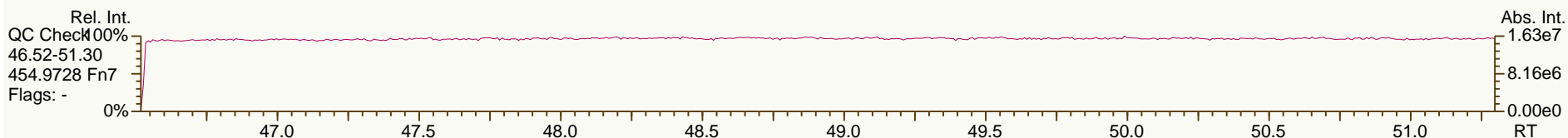
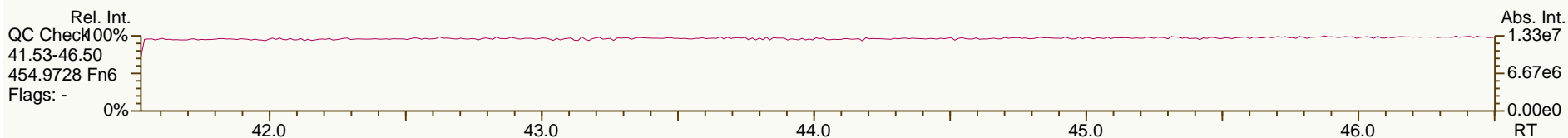
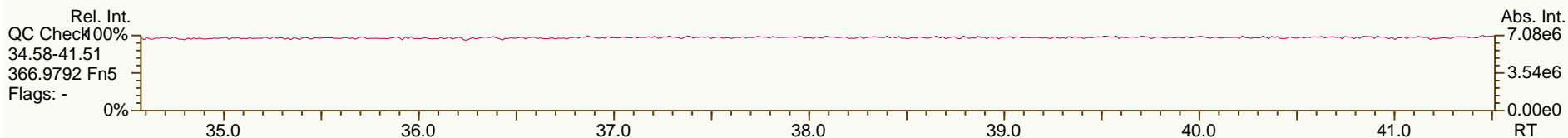
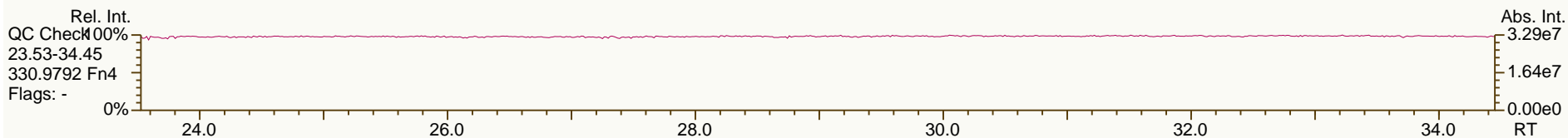
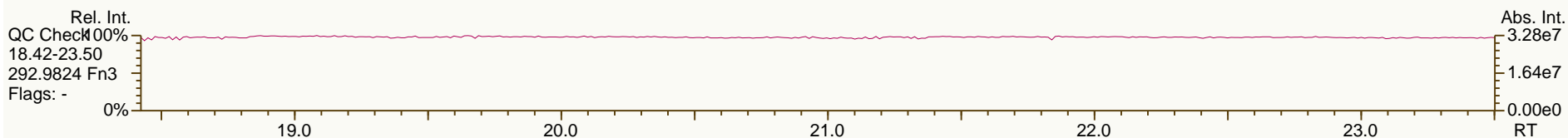
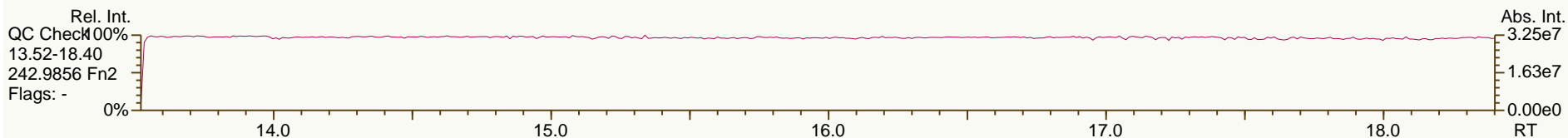
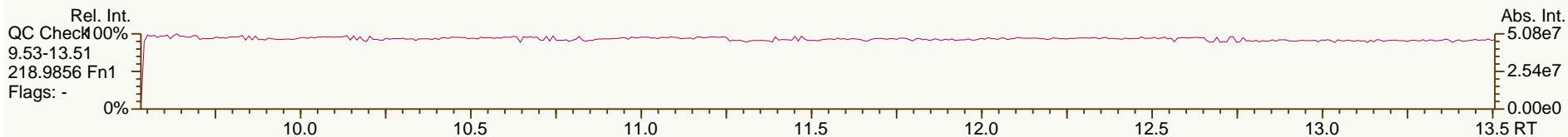
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

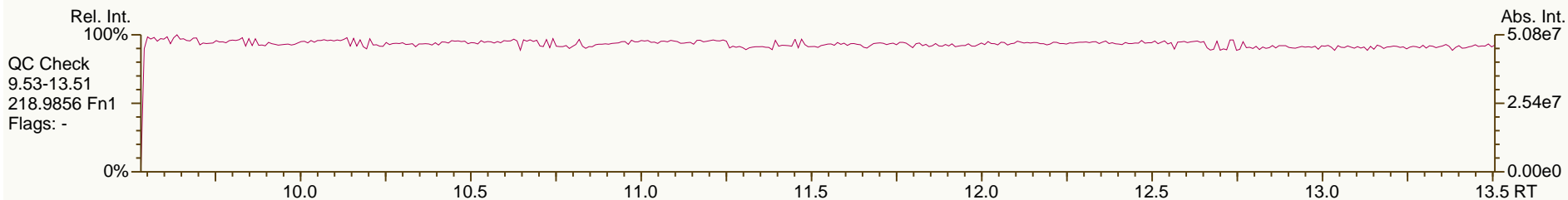
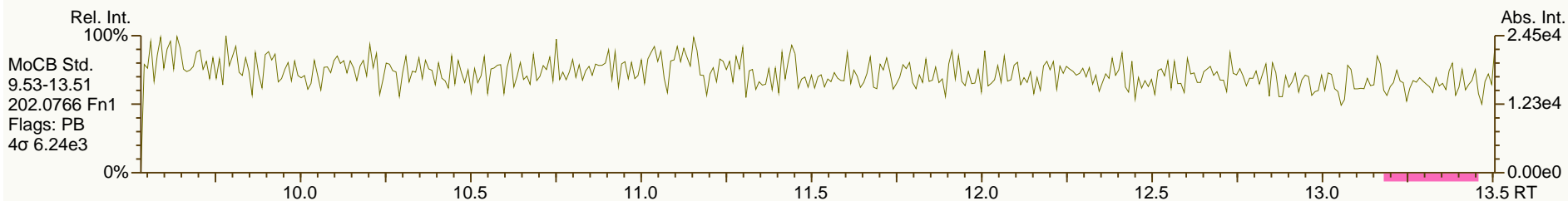
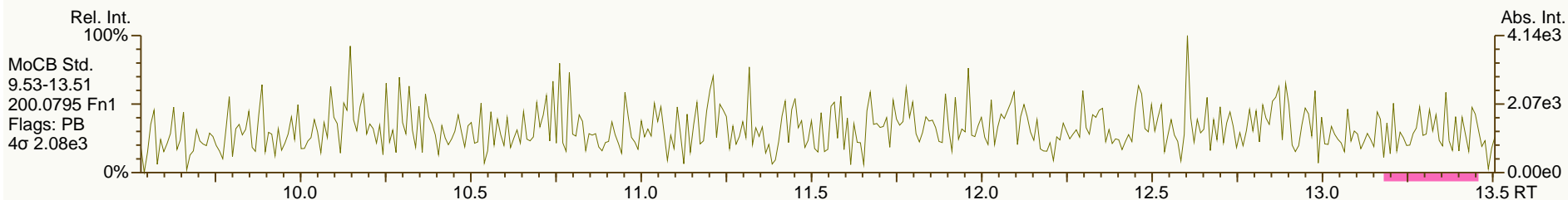
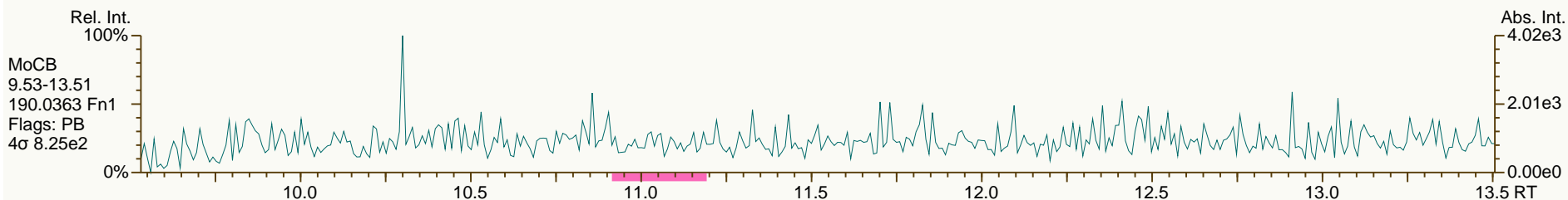
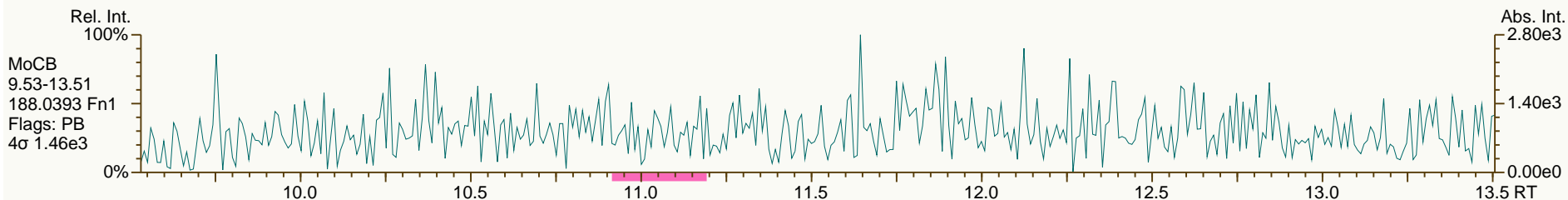
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

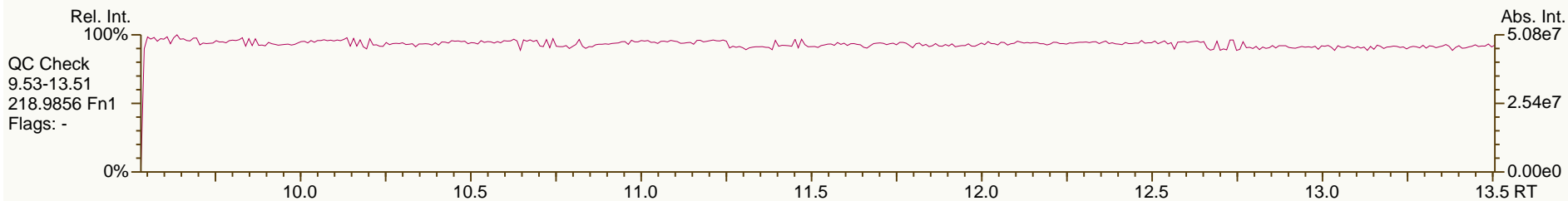
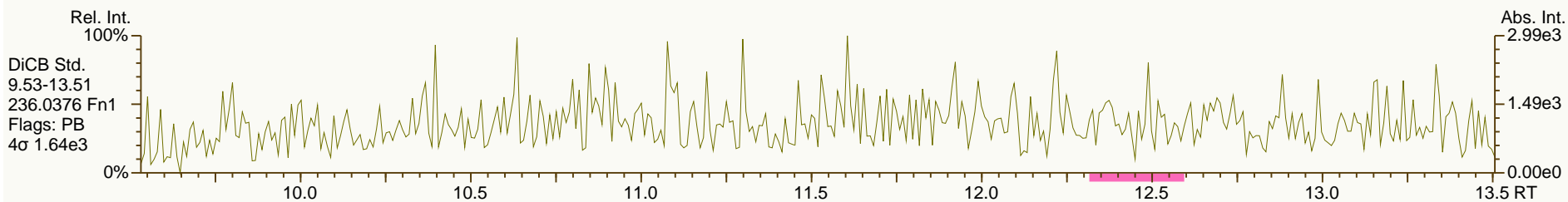
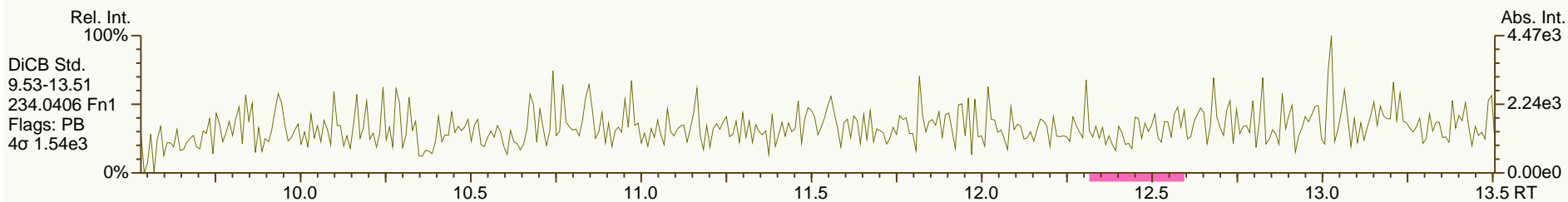
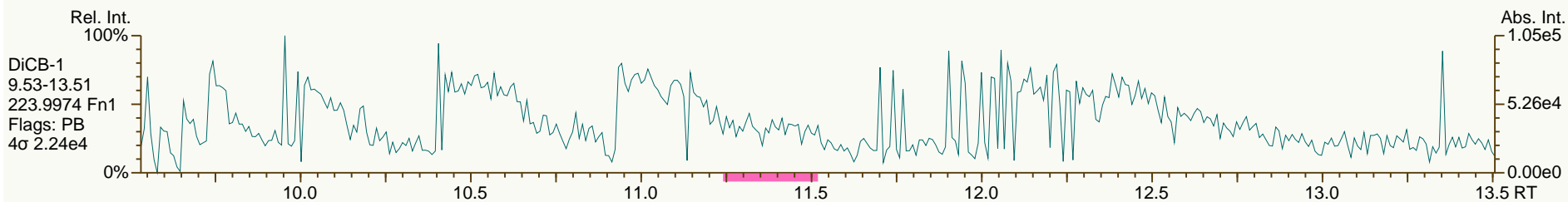
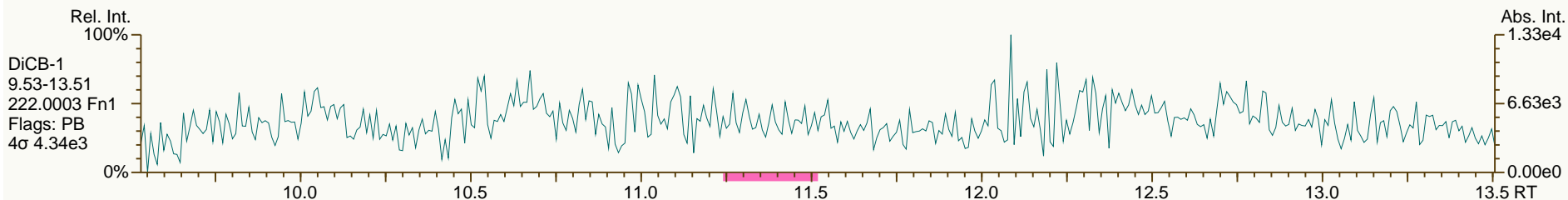
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

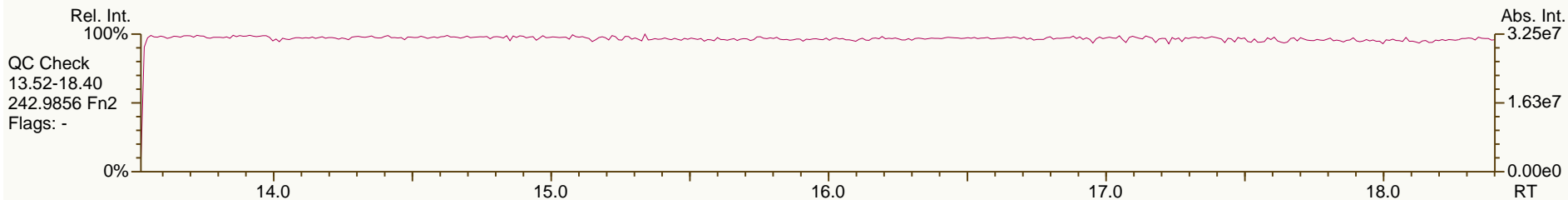
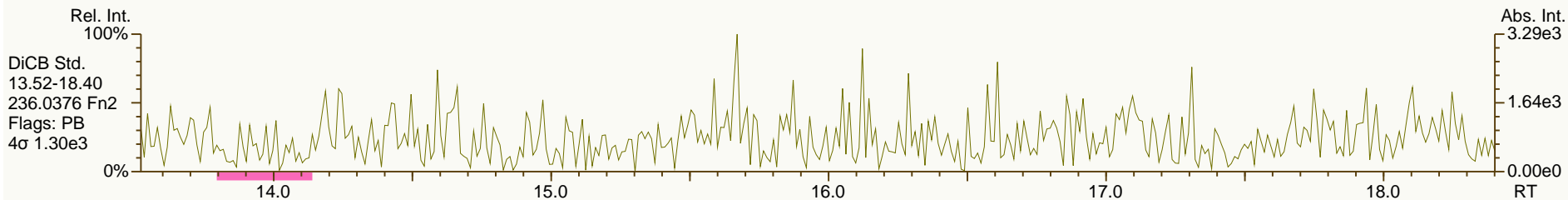
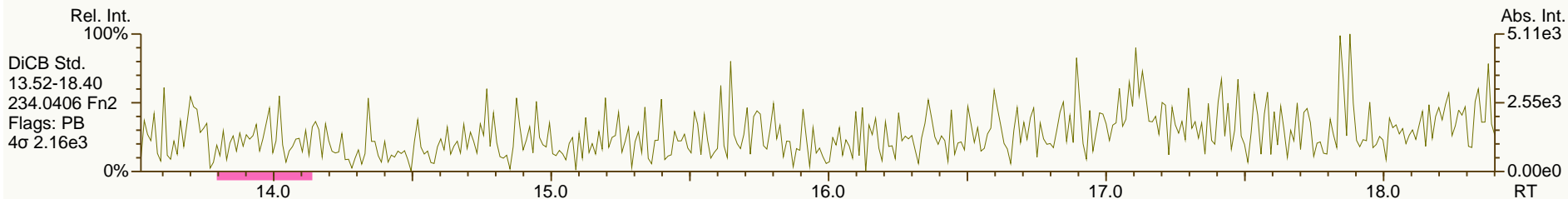
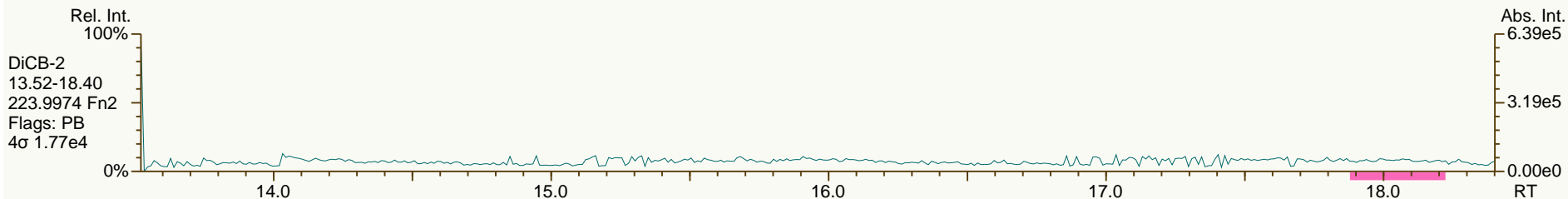
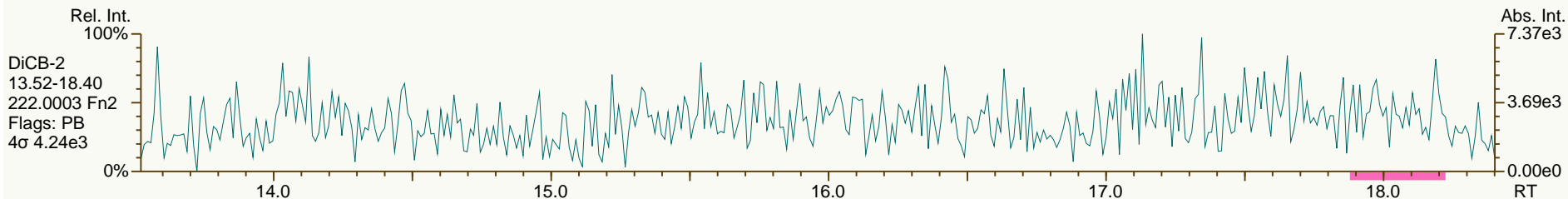
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

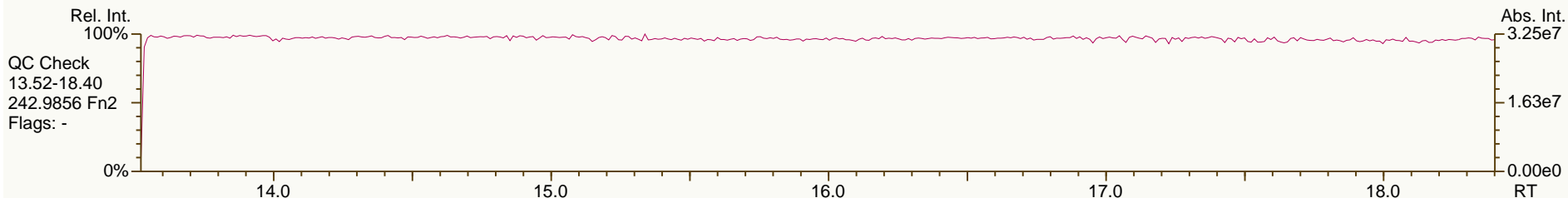
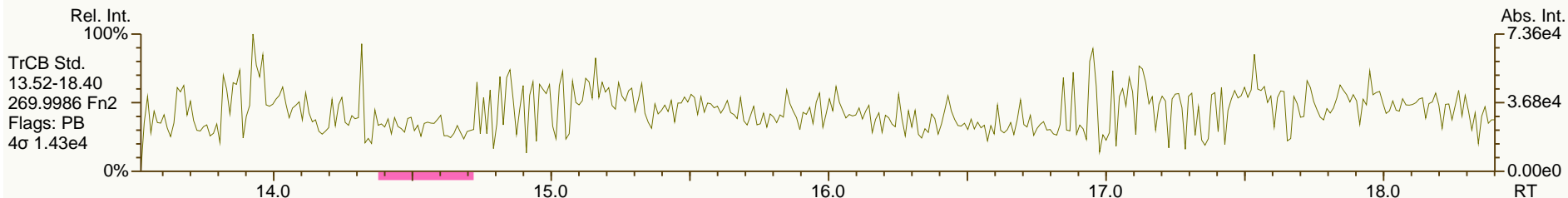
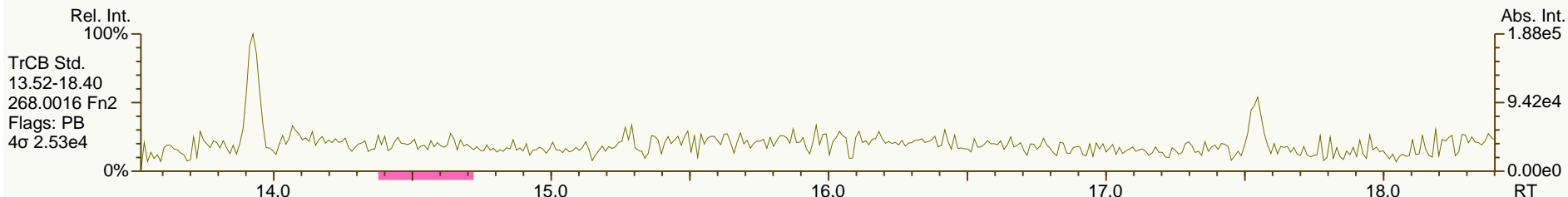
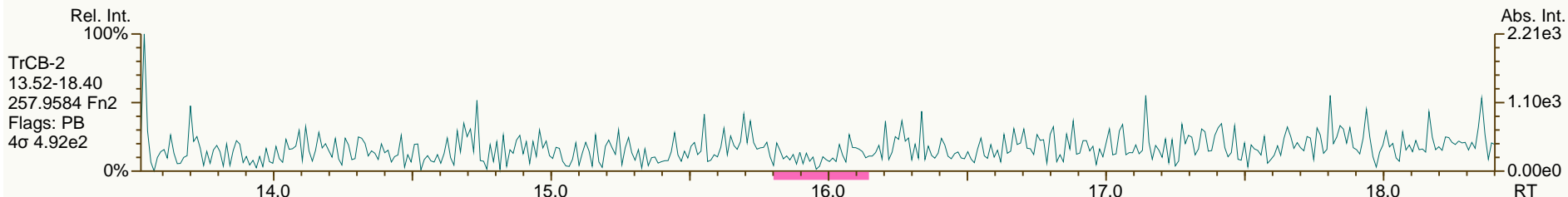
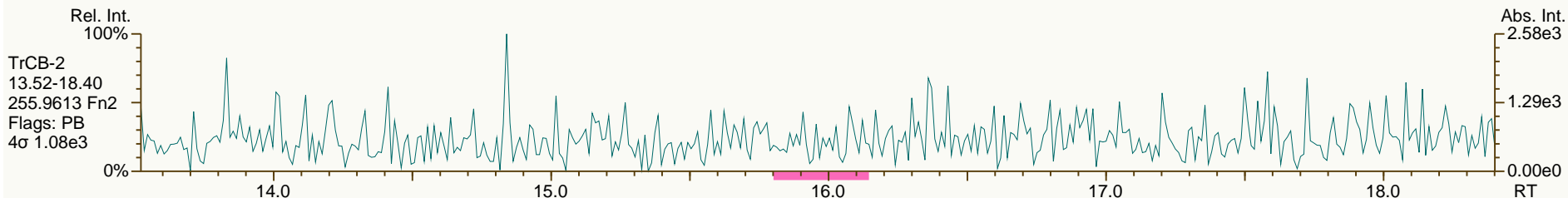
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

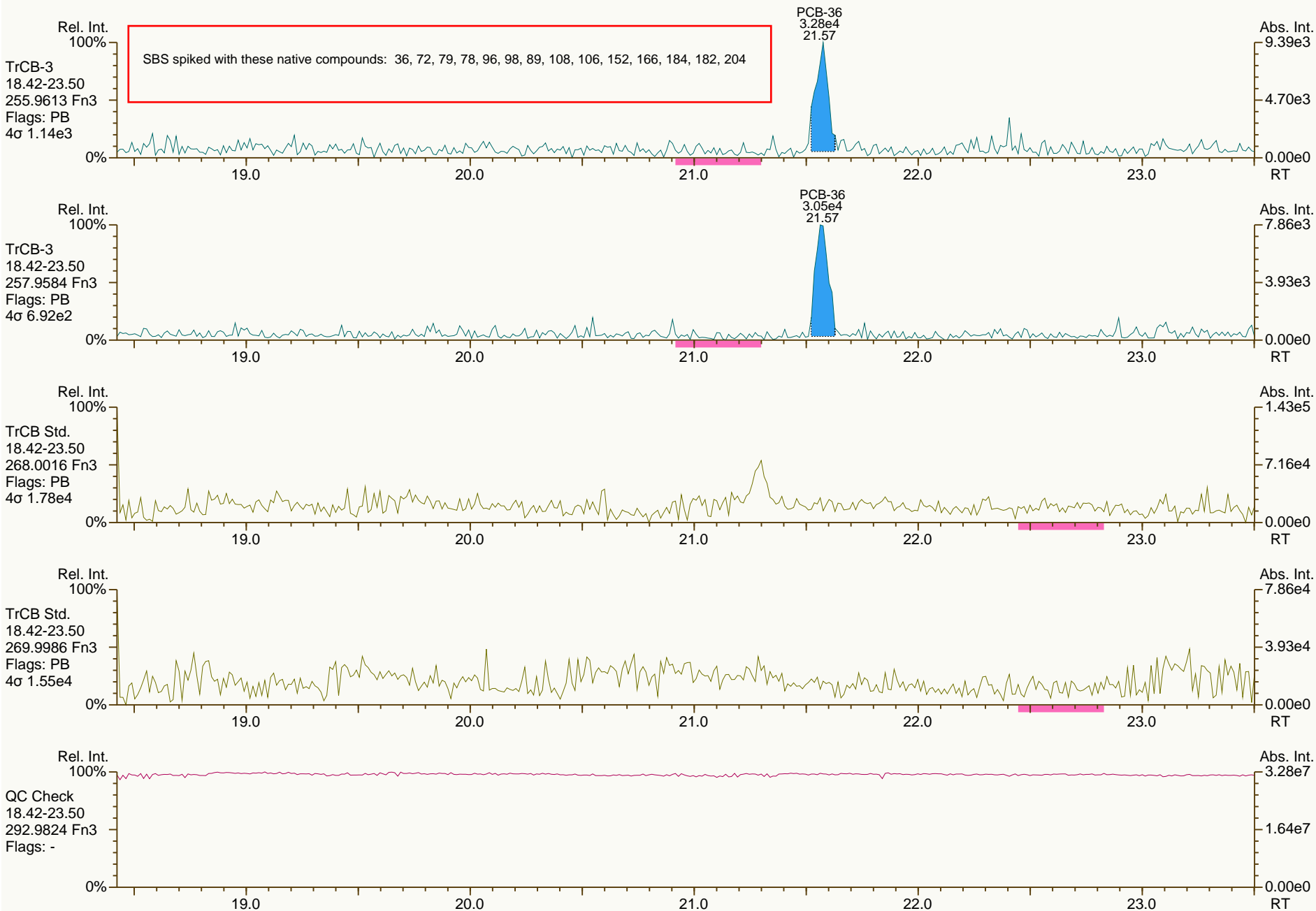
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

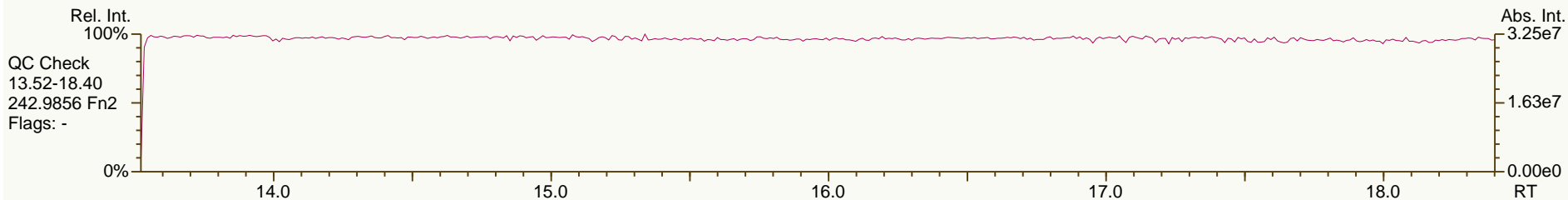
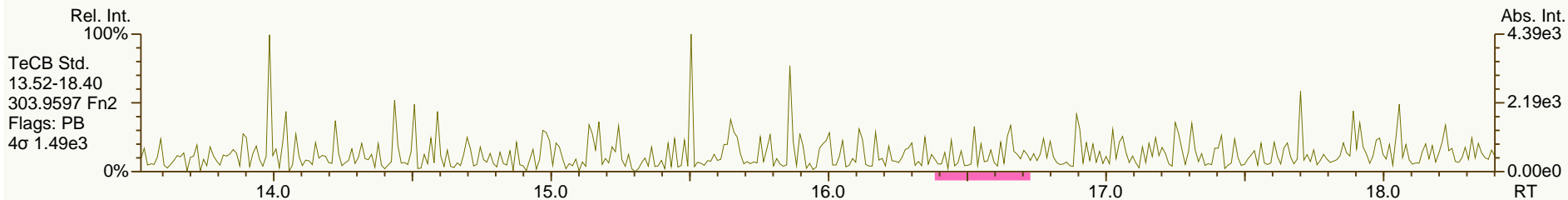
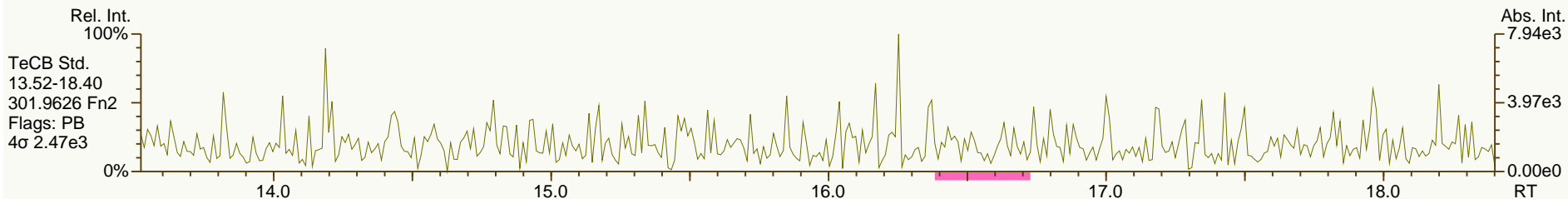
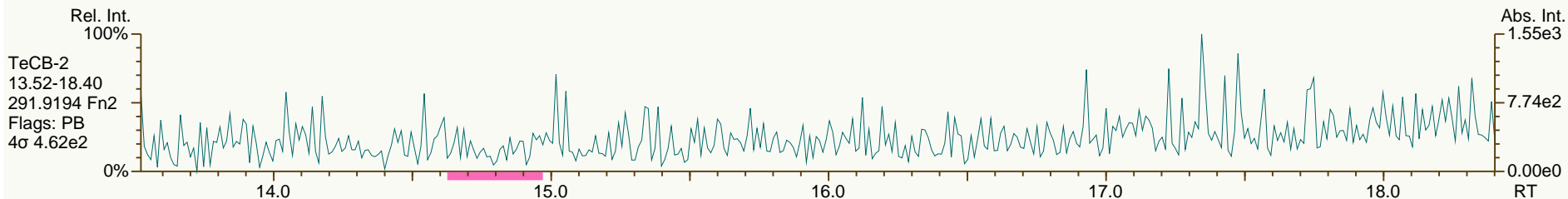
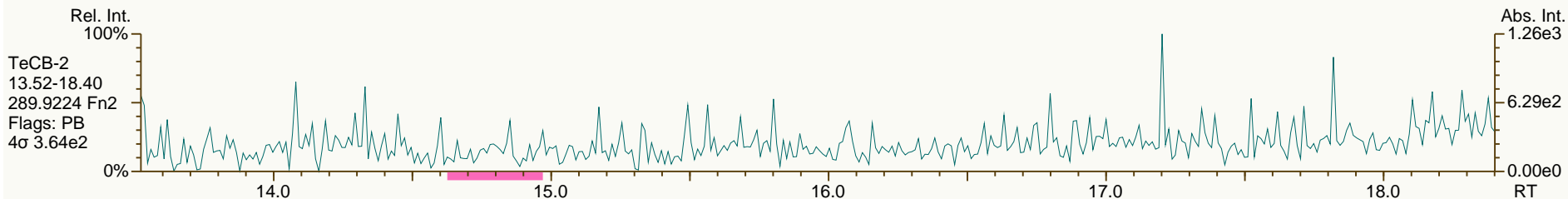
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

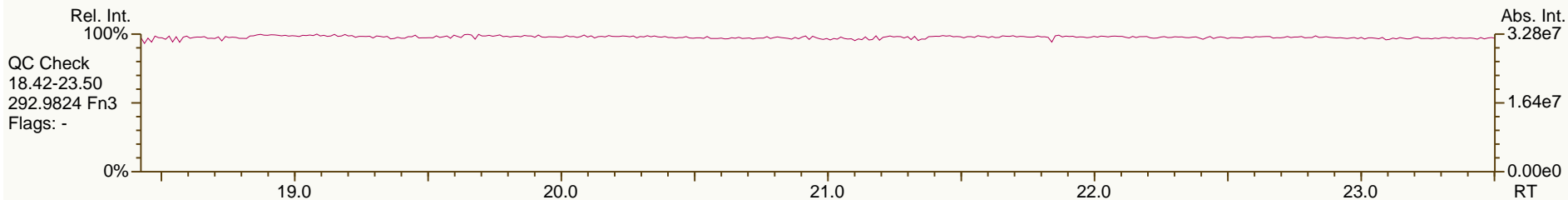
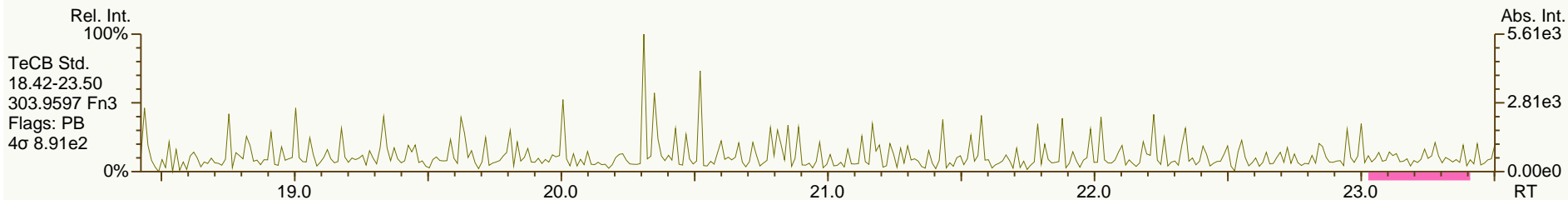
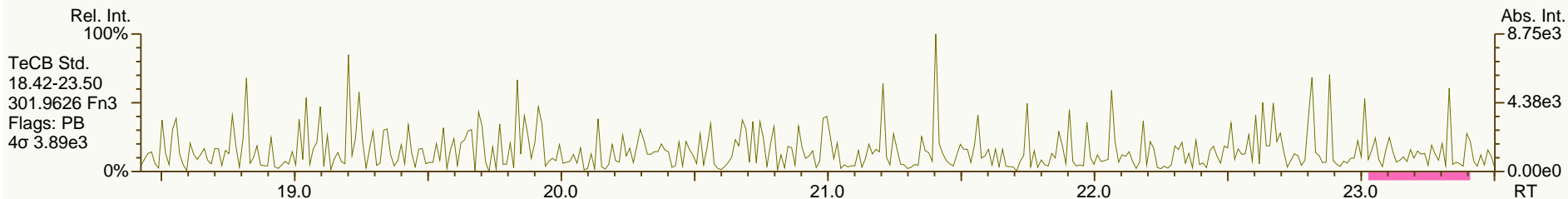
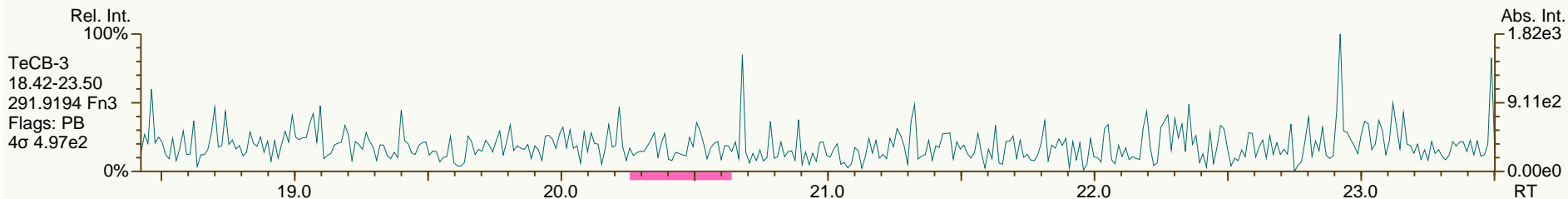
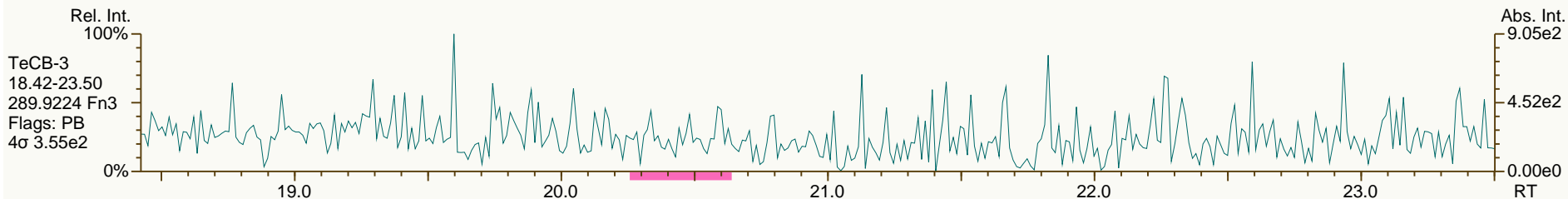
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

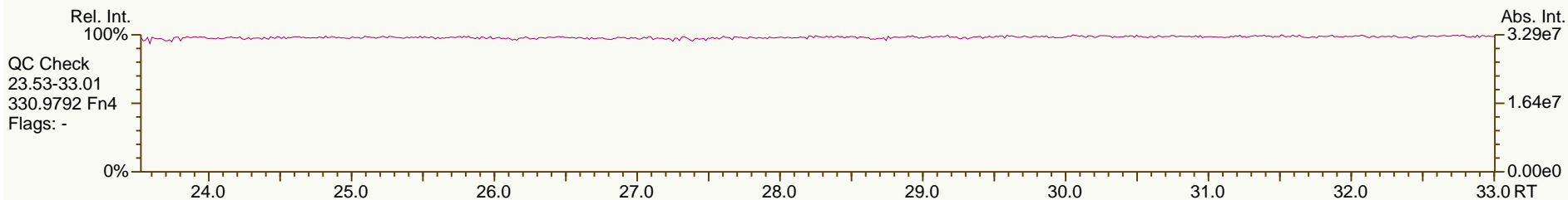
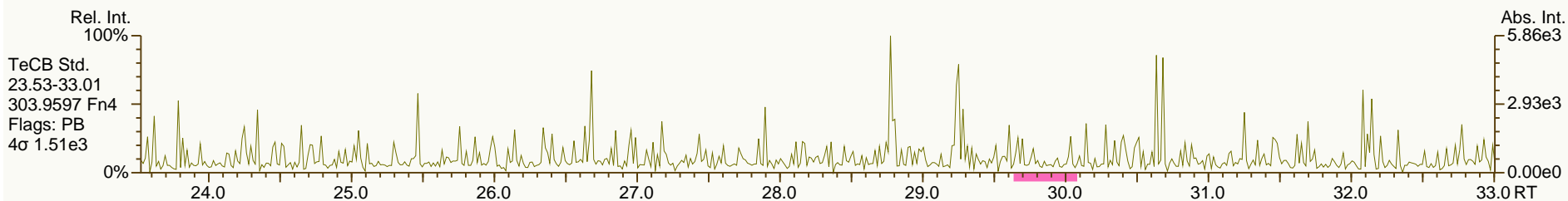
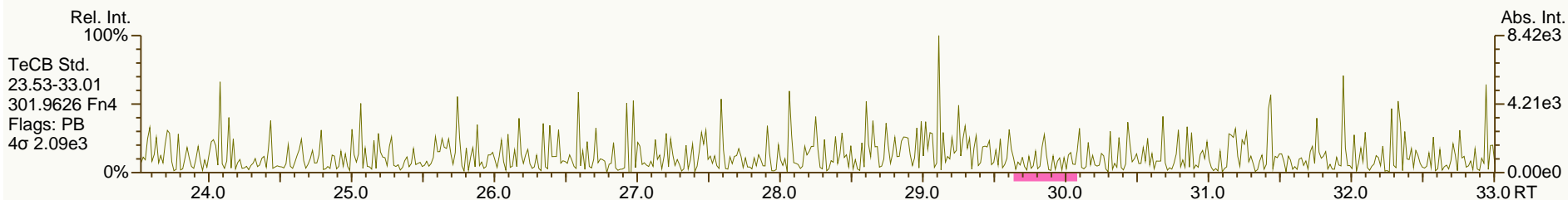
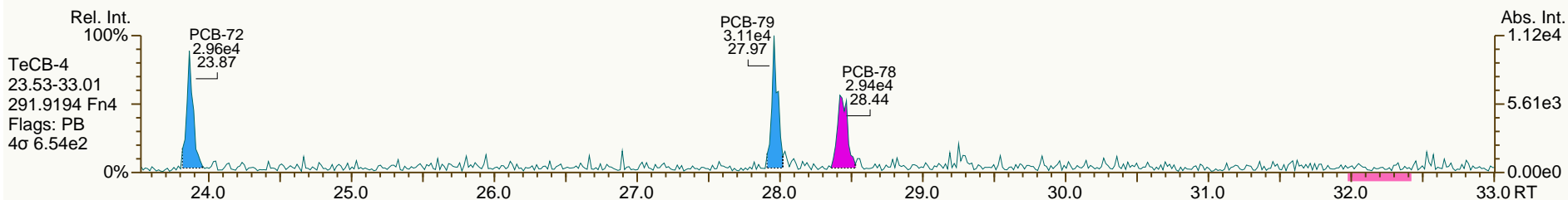
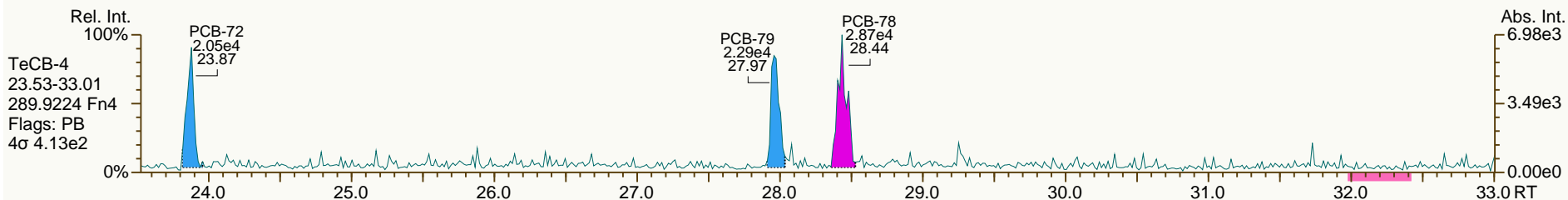
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

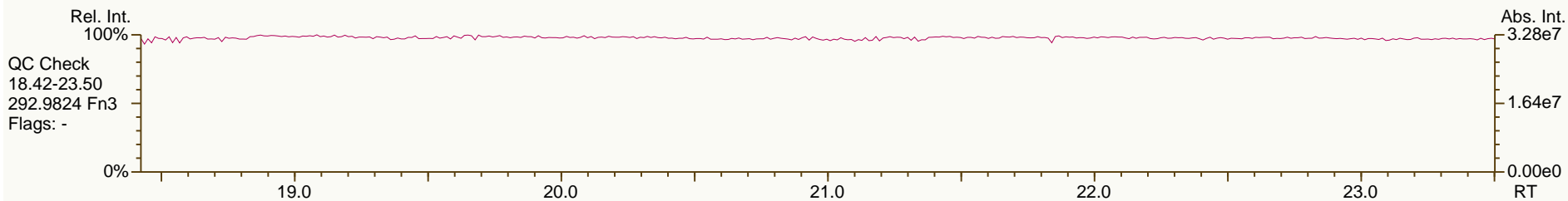
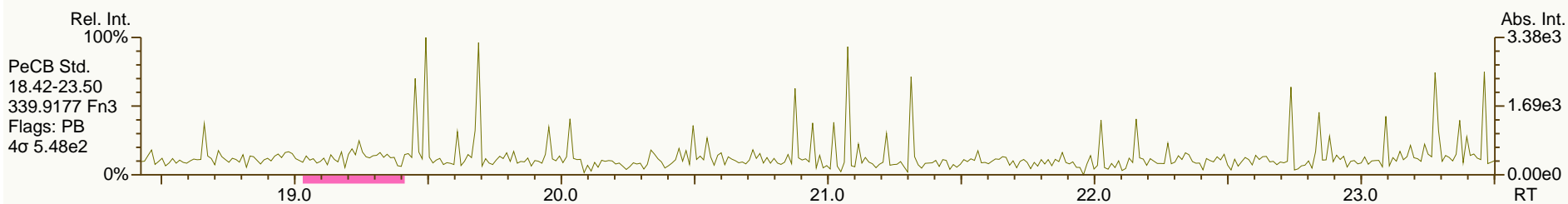
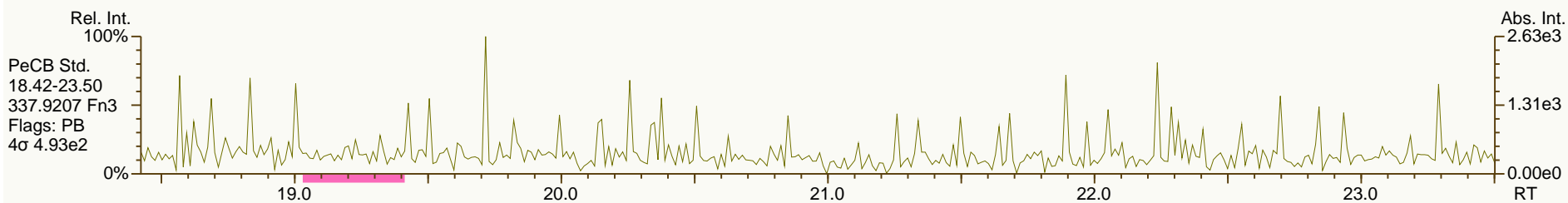
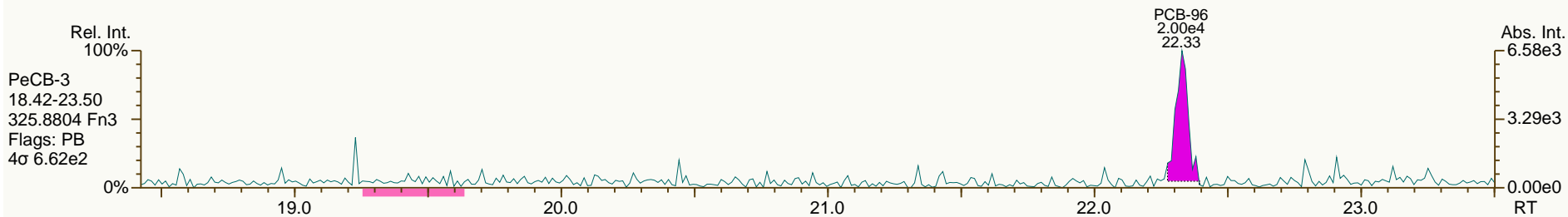
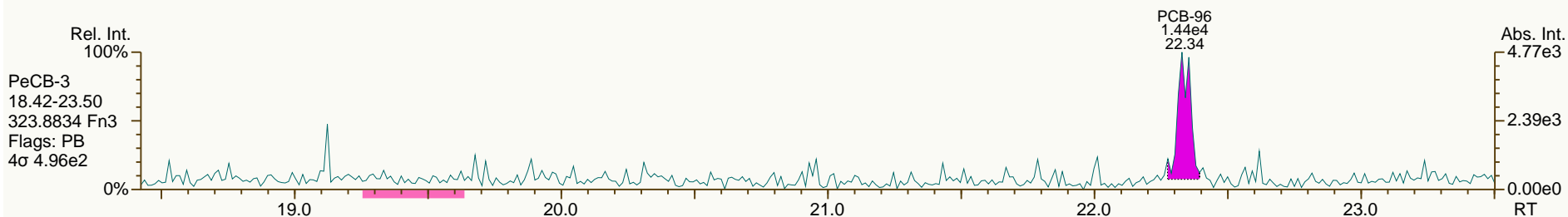
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

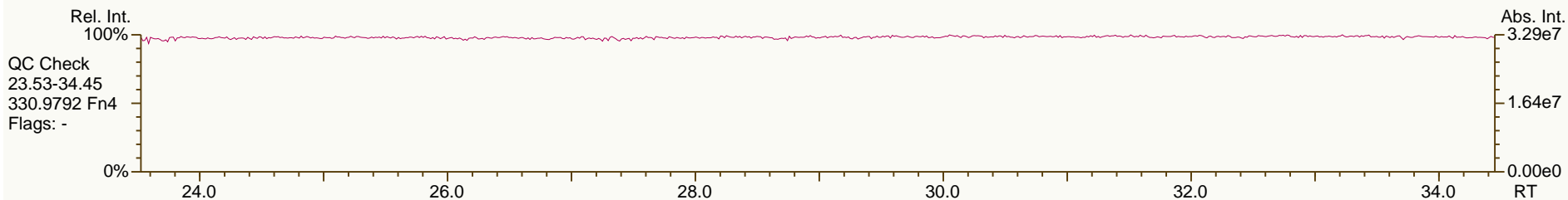
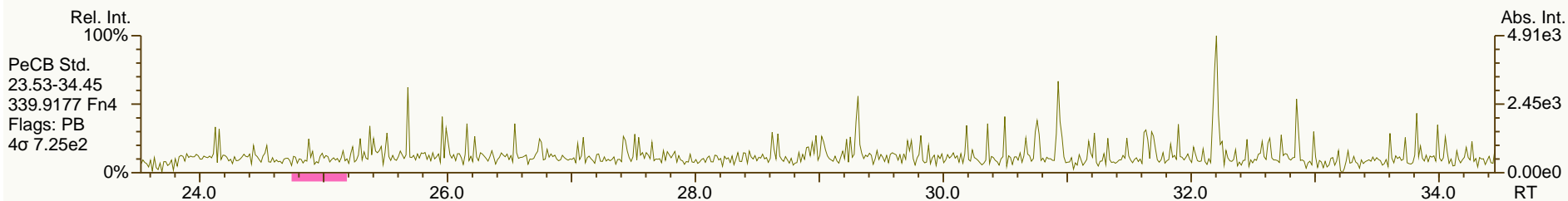
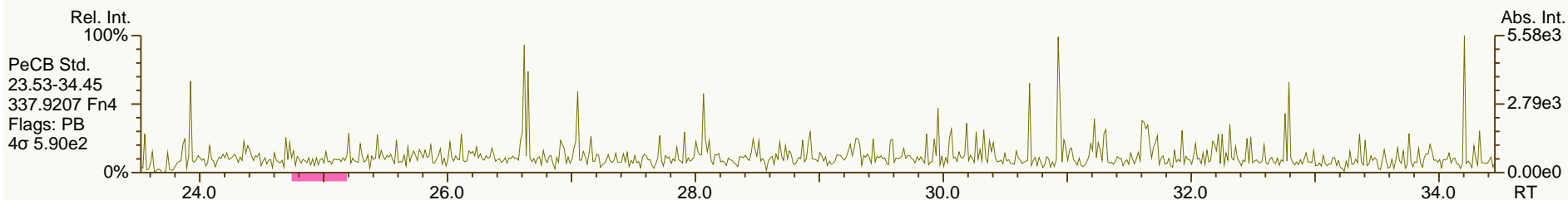
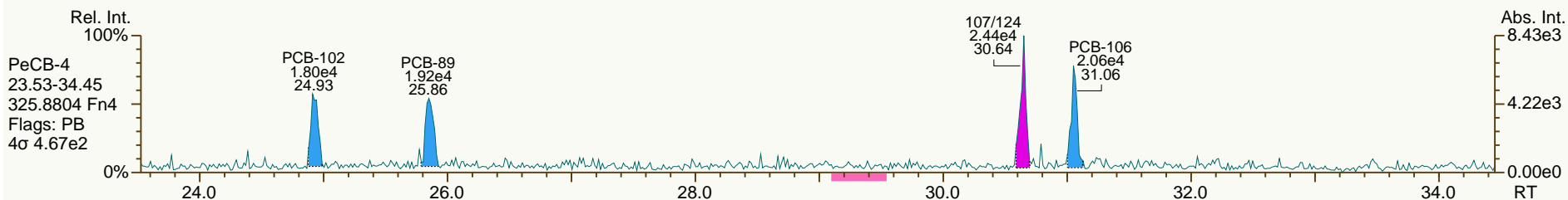
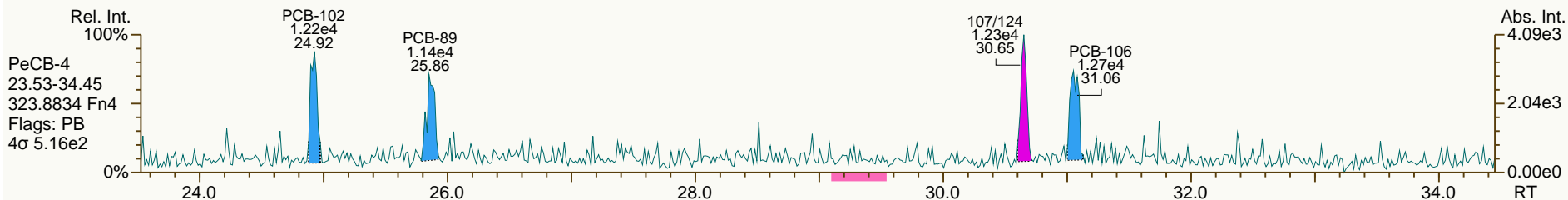
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

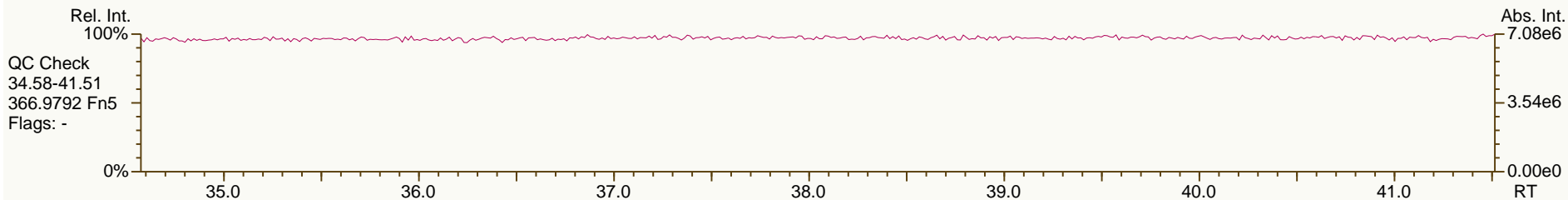
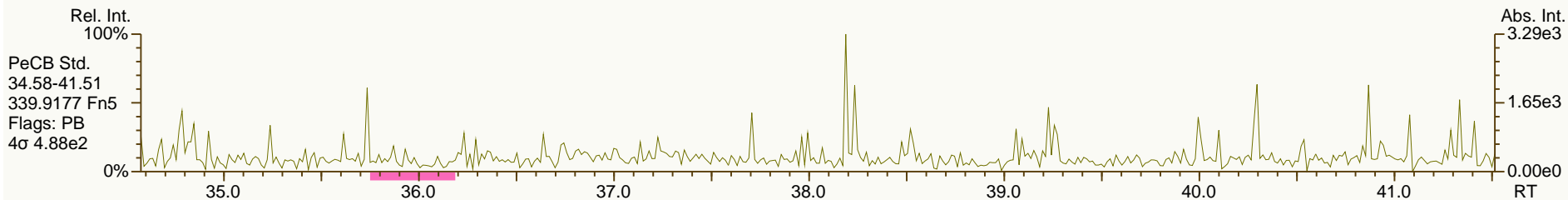
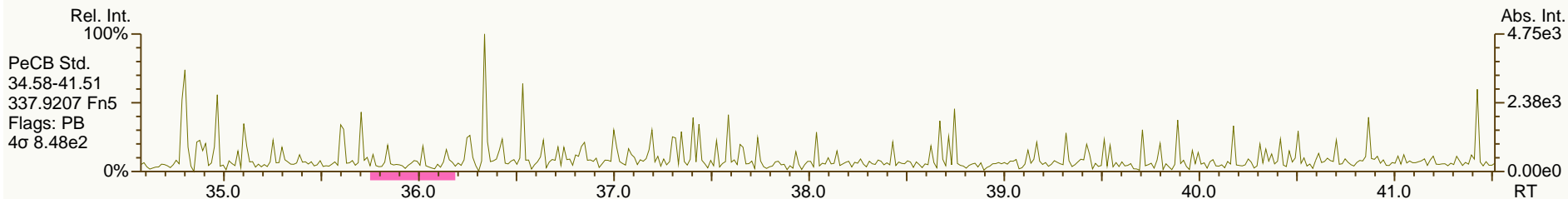
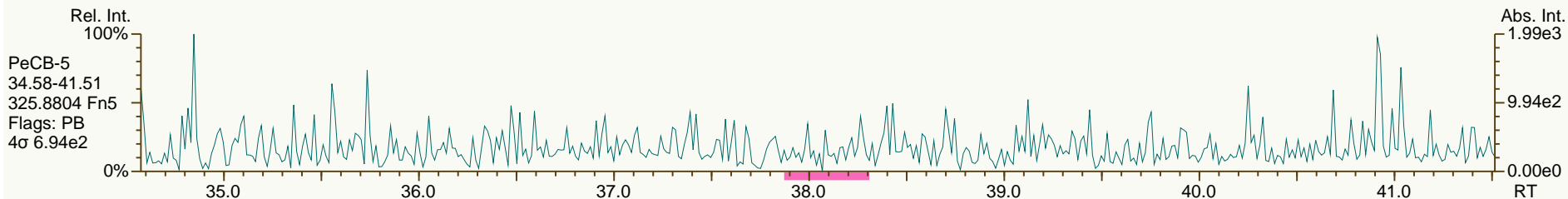
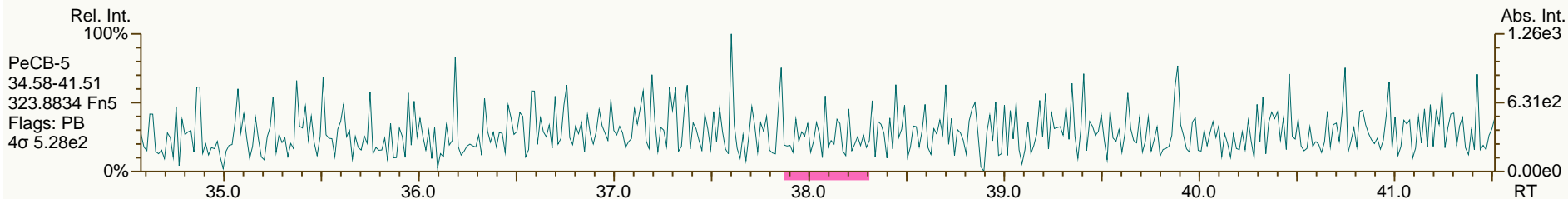
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

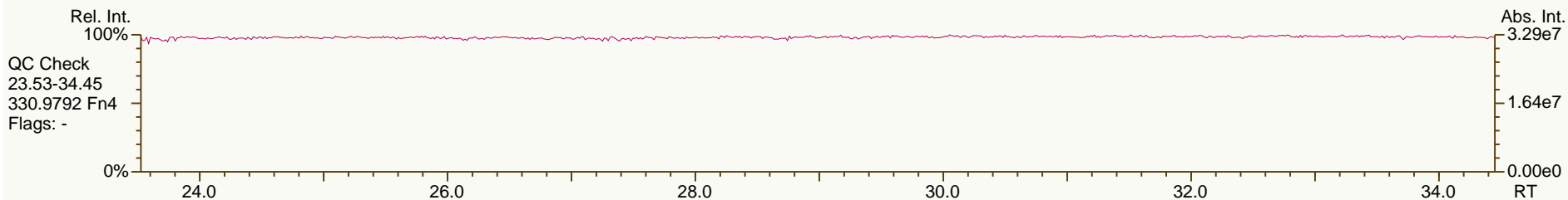
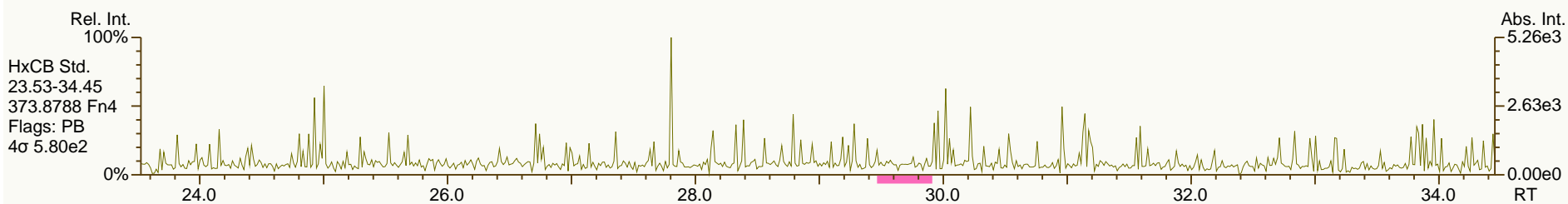
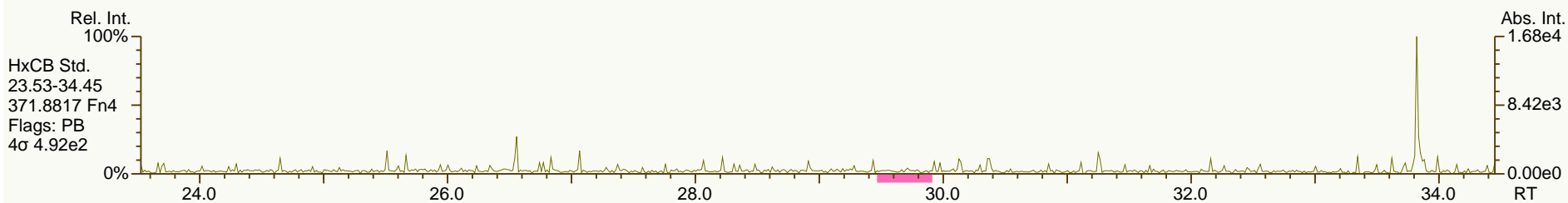
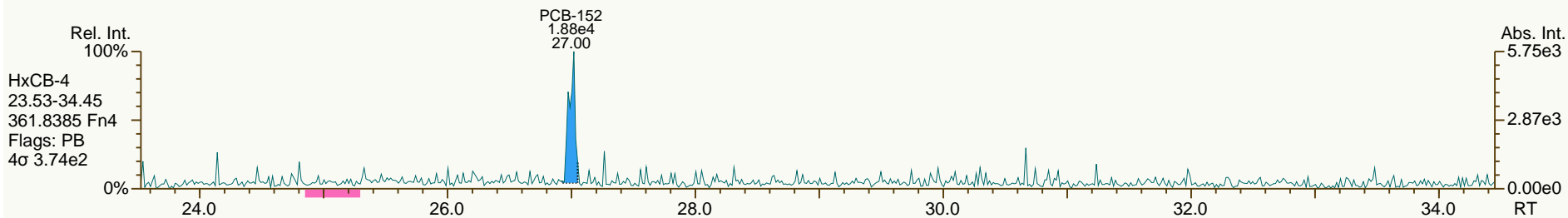
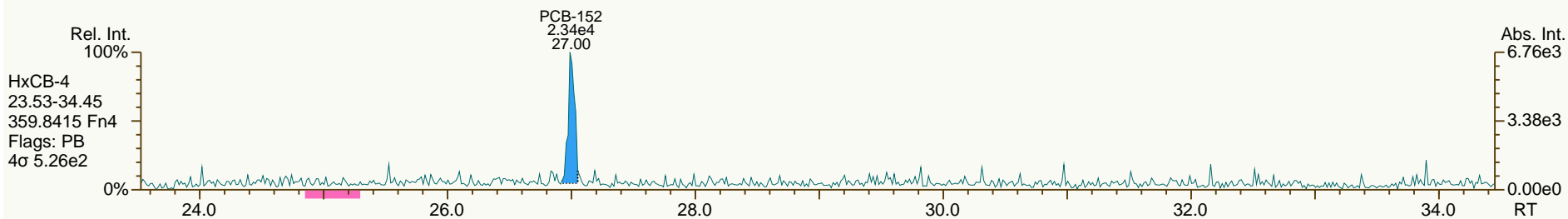
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

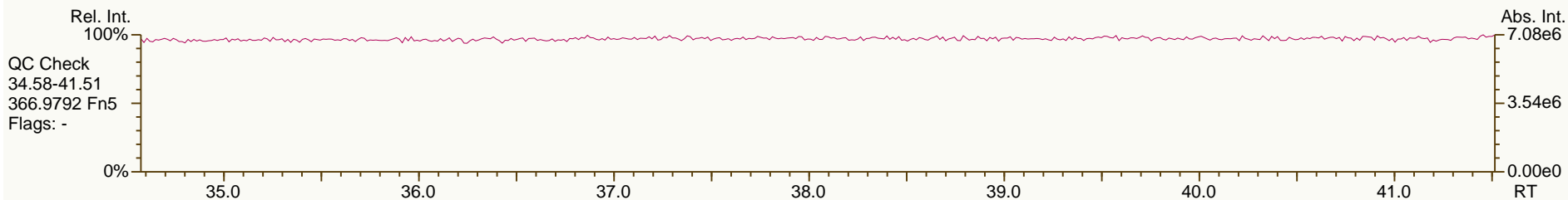
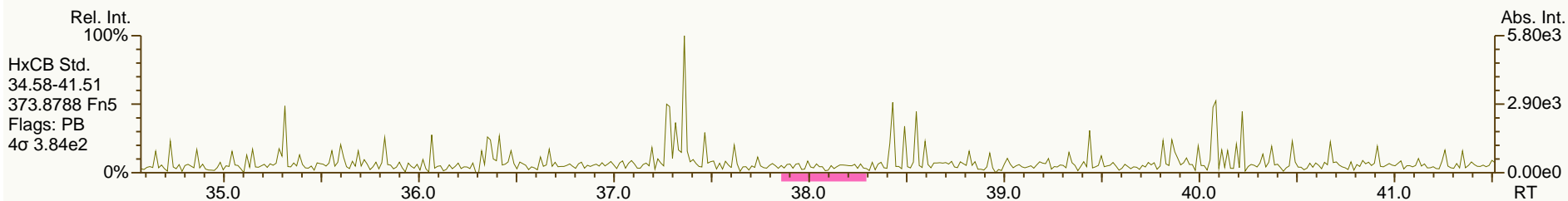
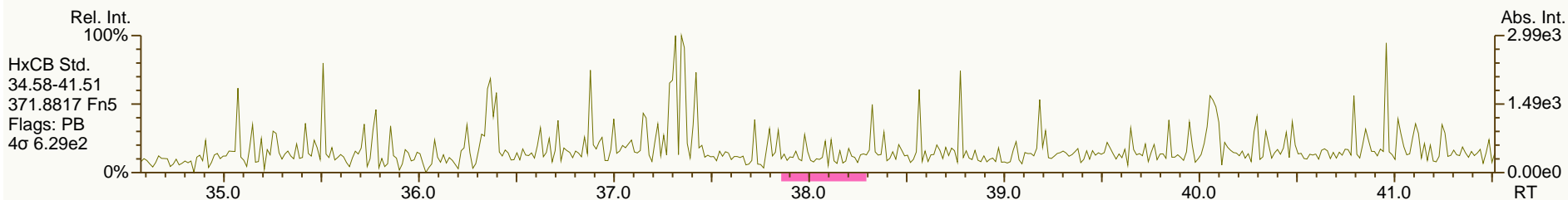
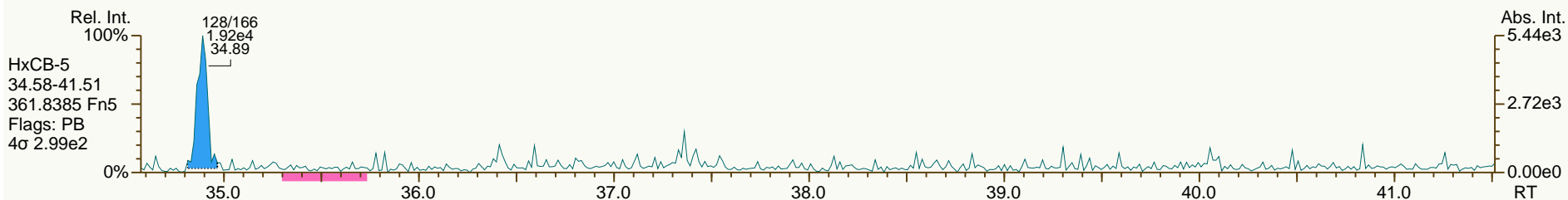
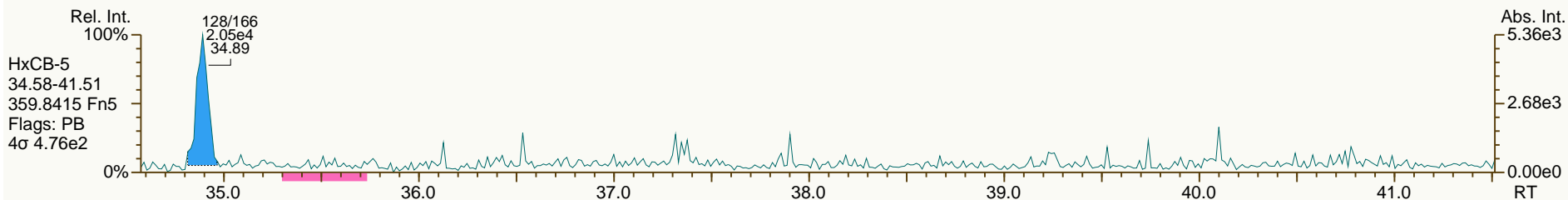
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

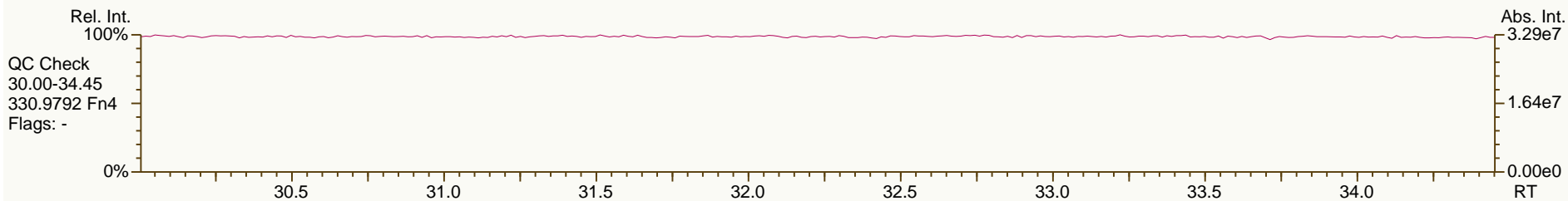
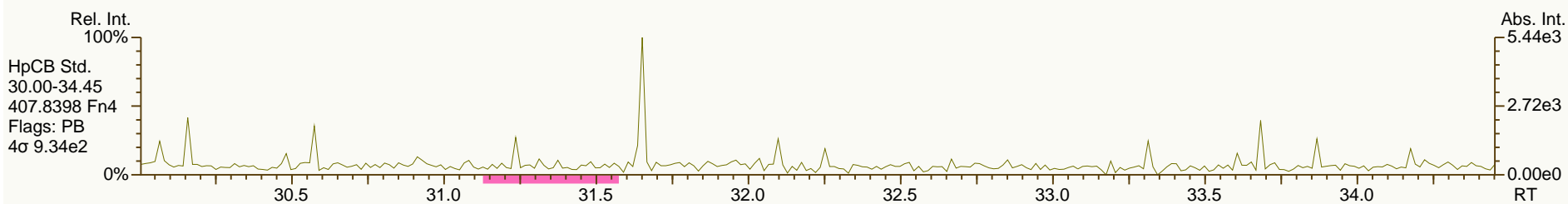
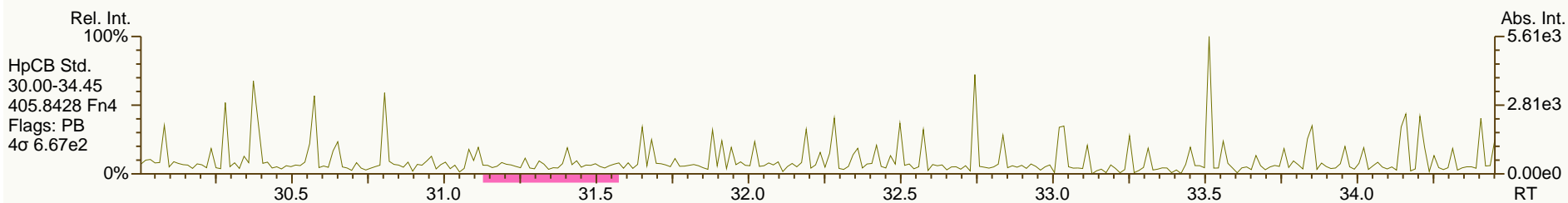
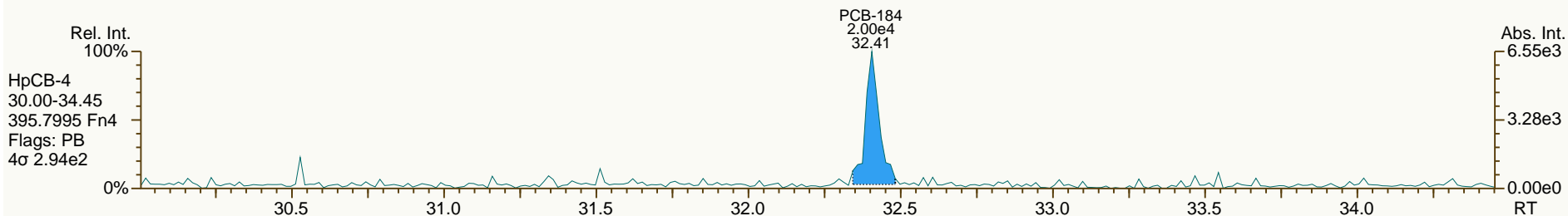
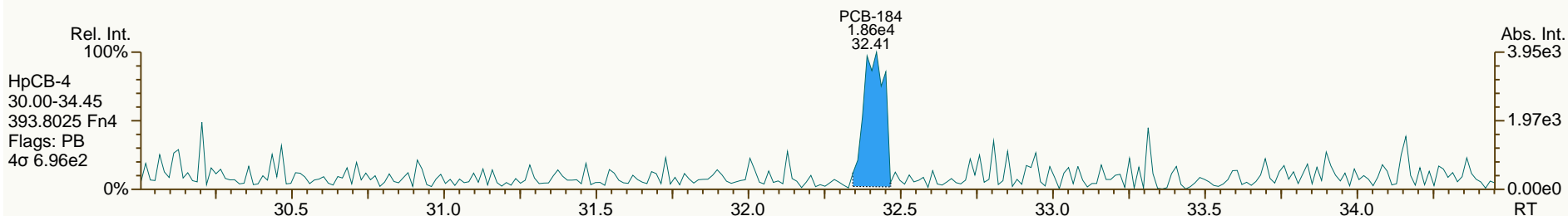
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

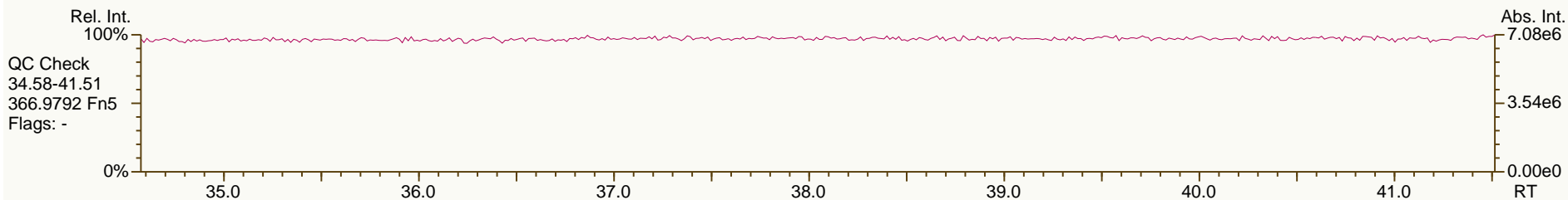
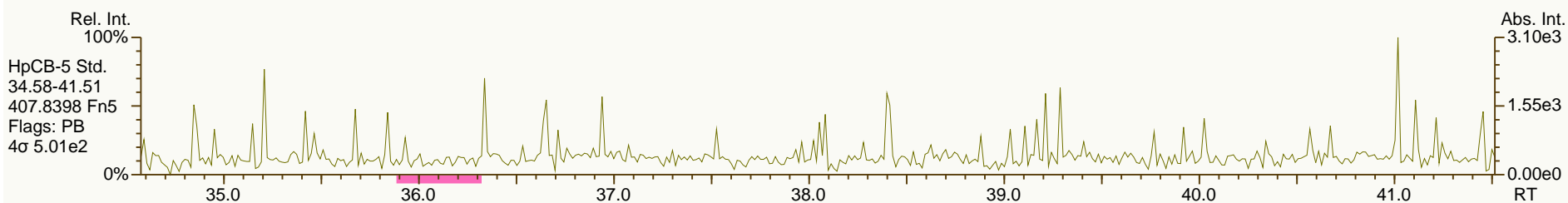
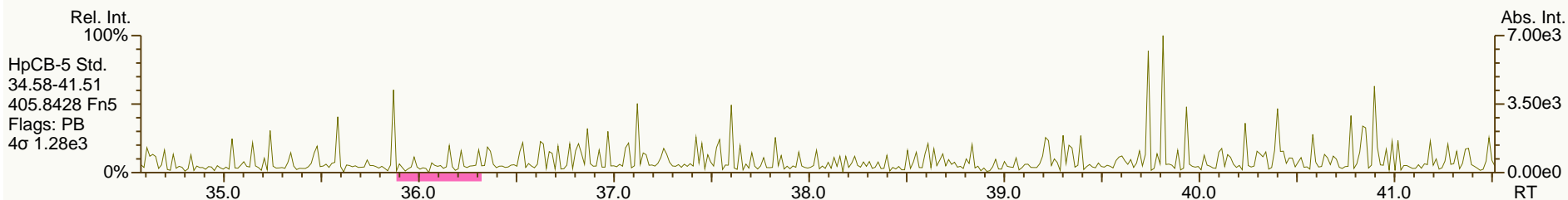
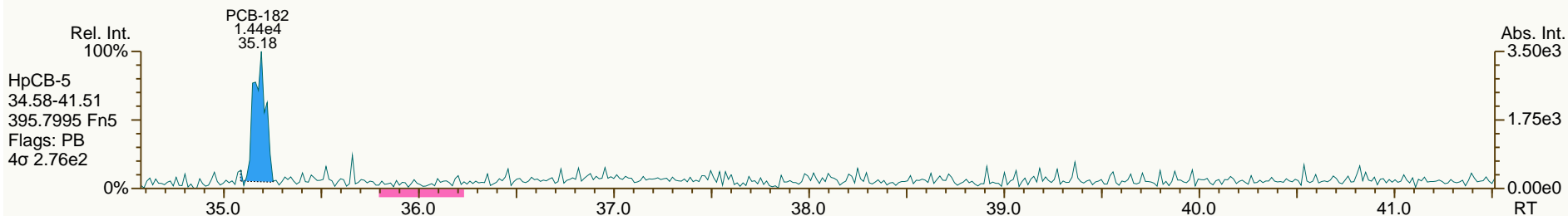
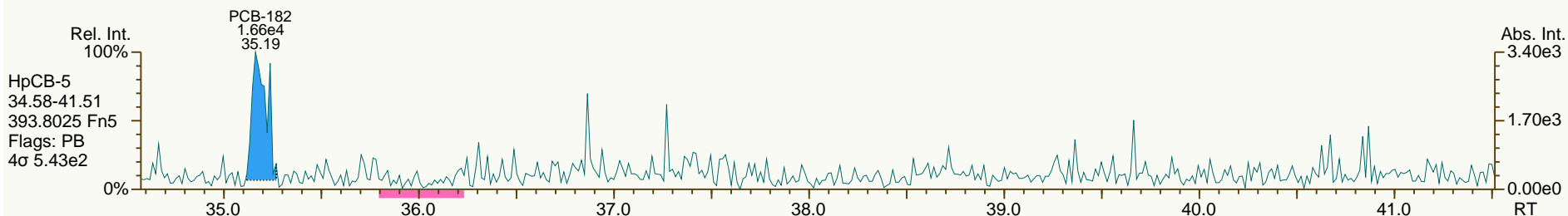
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 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

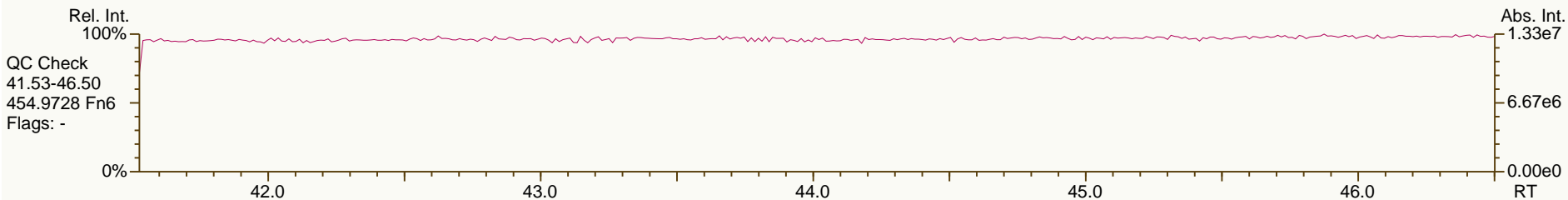
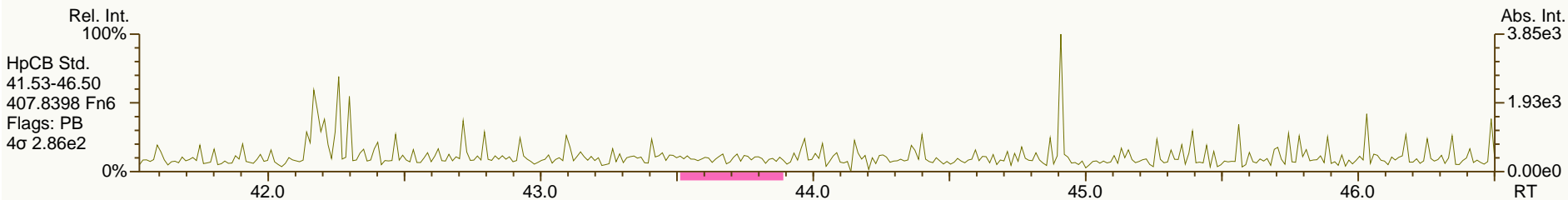
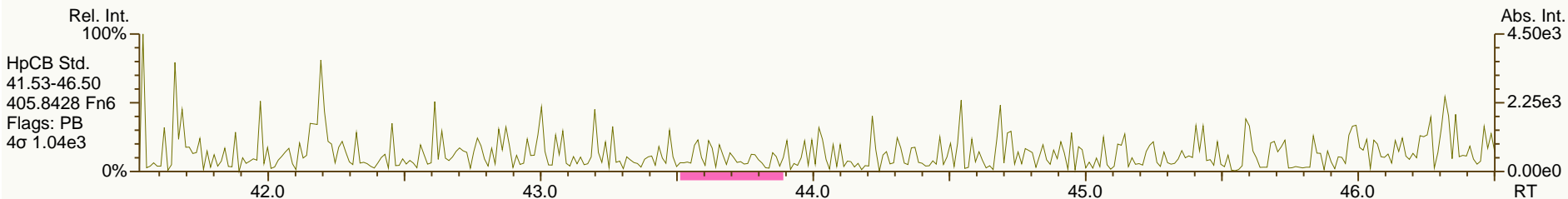
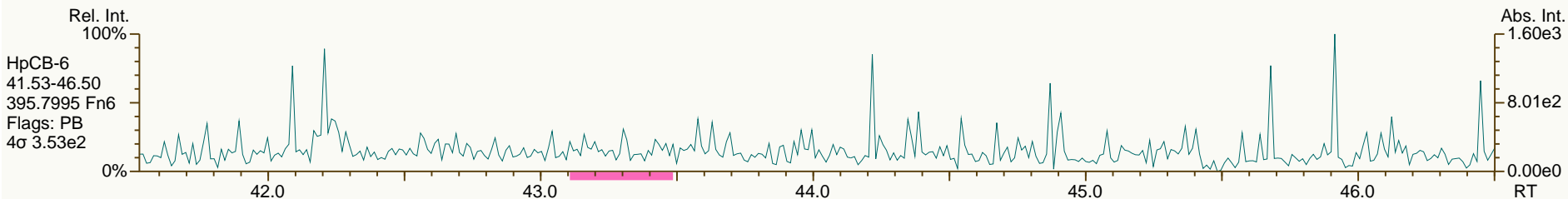
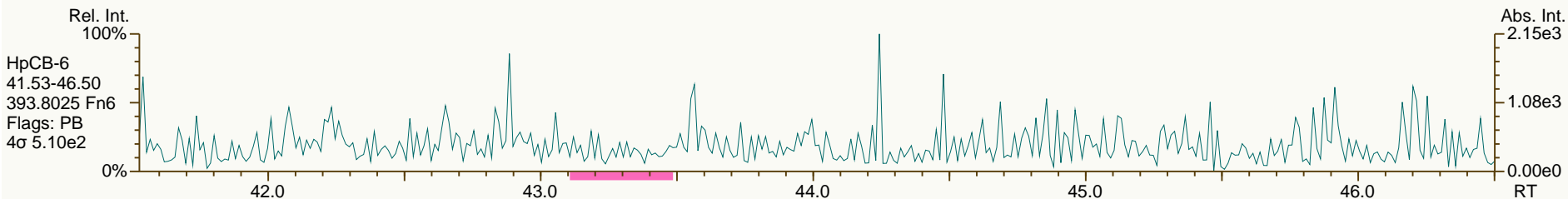
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

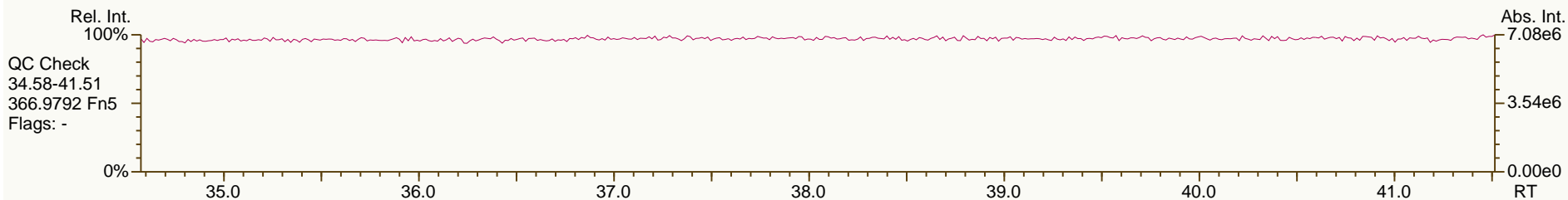
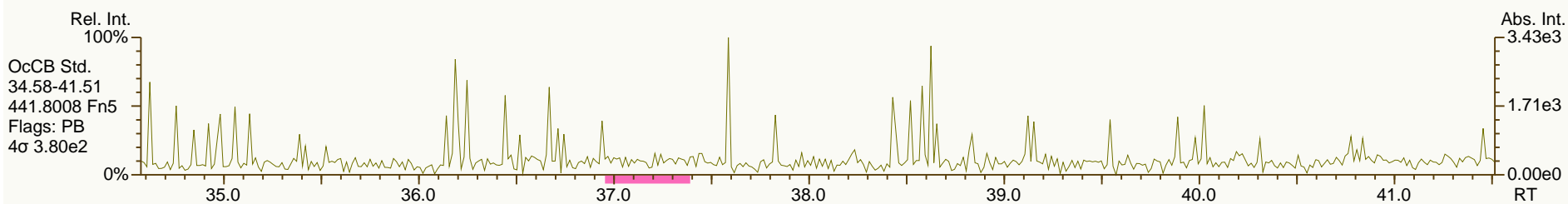
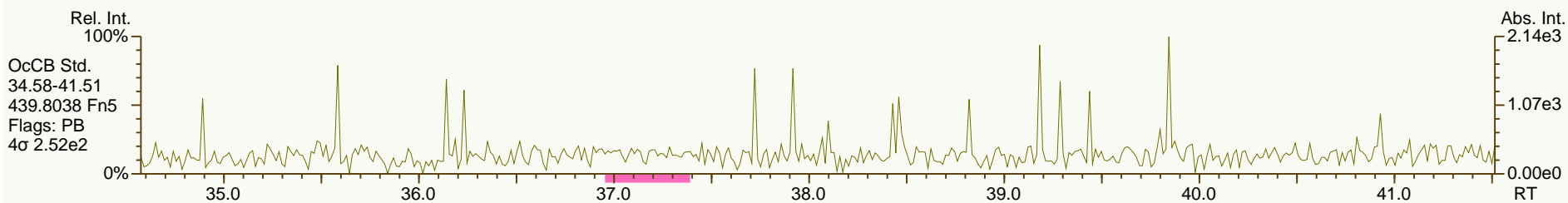
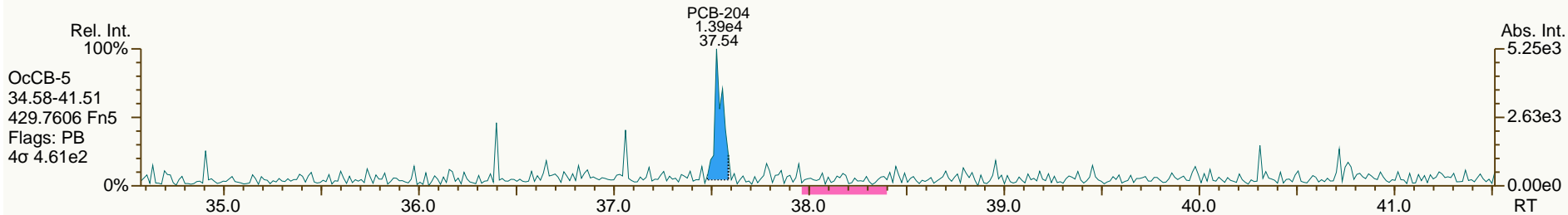
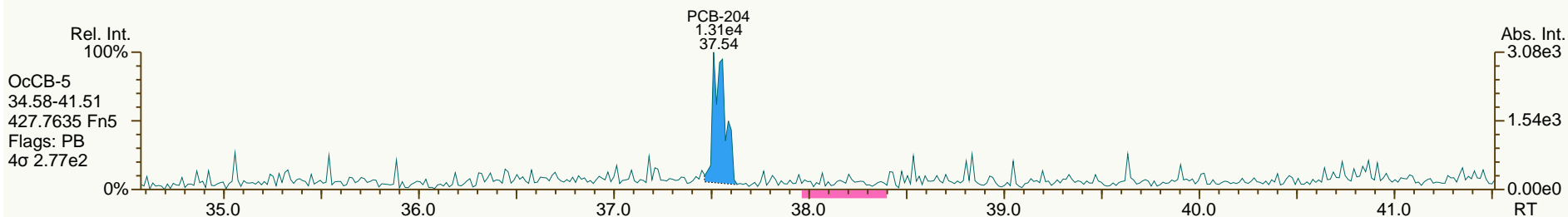
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

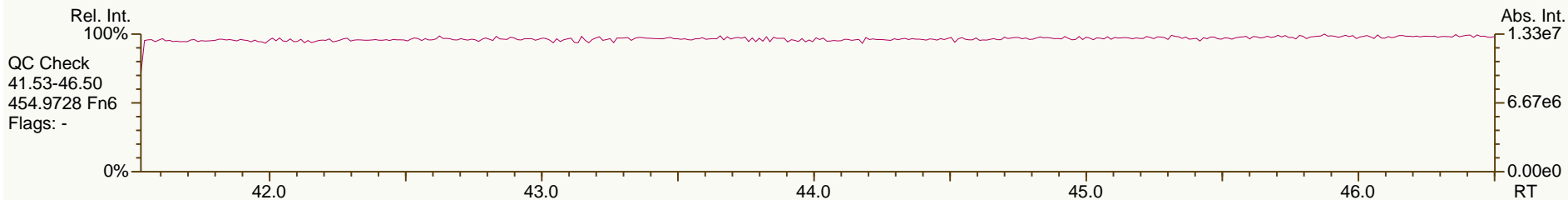
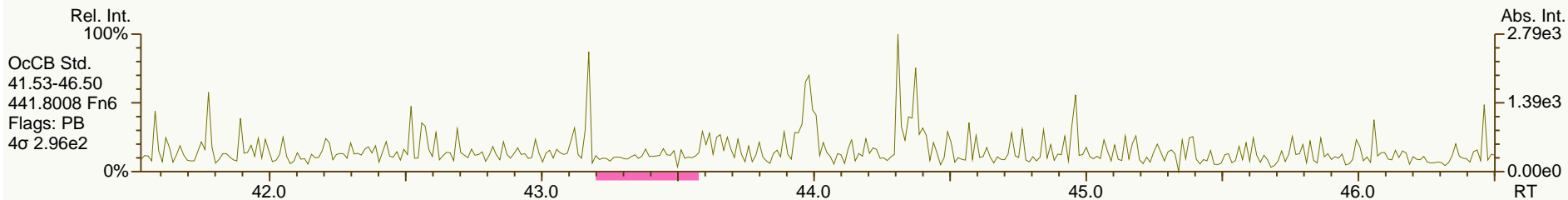
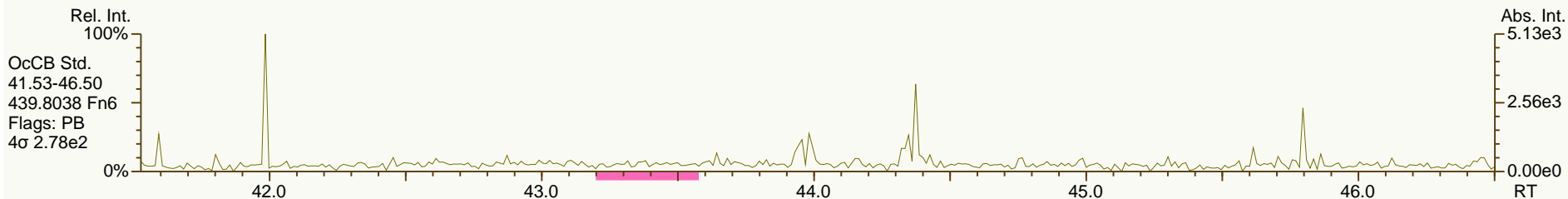
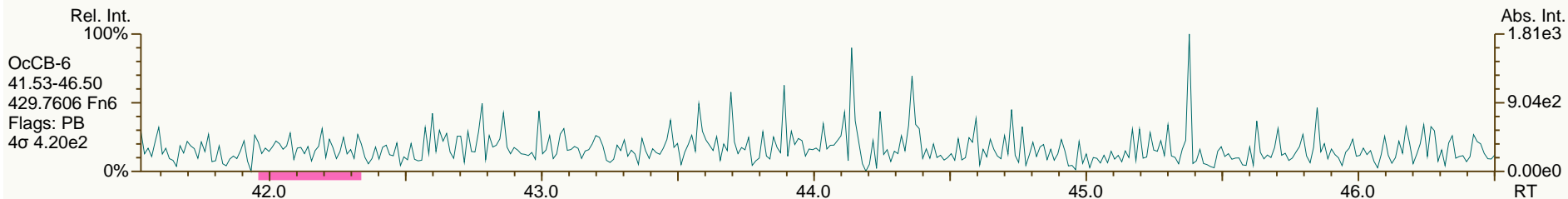
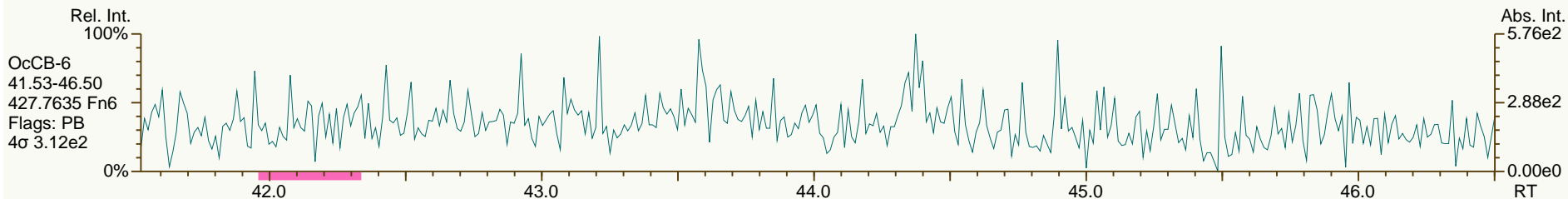
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 03-Jul-2012 16:12:21
 User: LKB Datafile: 120703S05



AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

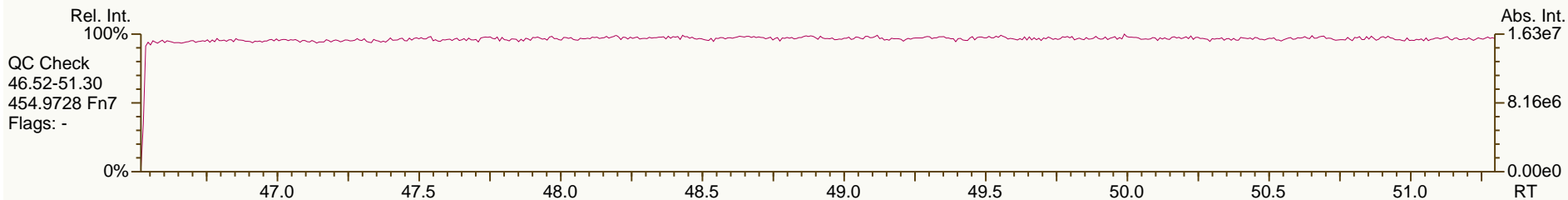
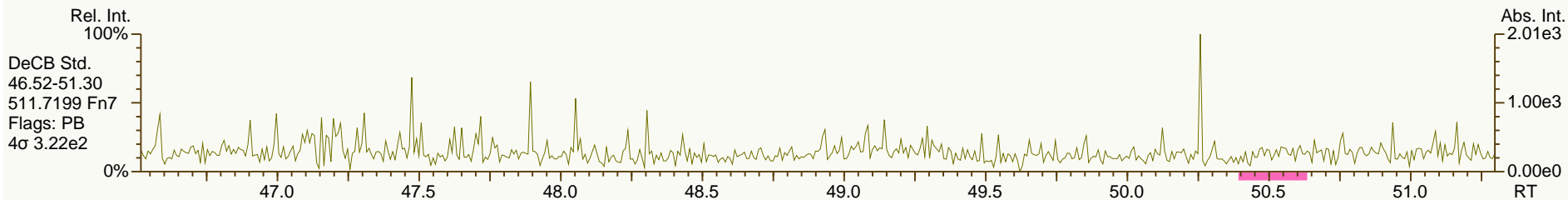
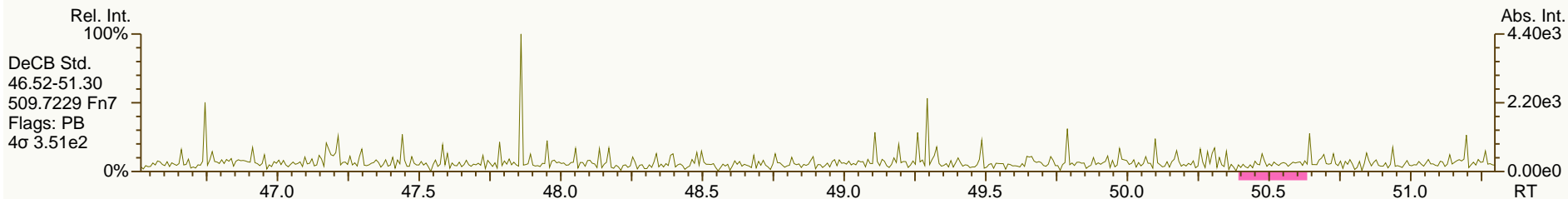
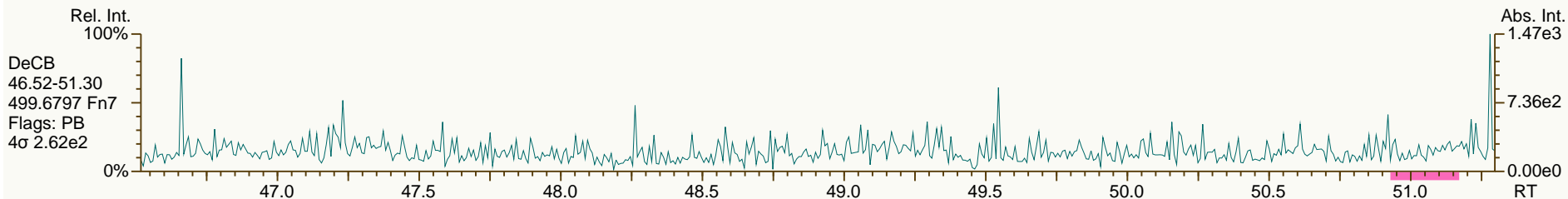
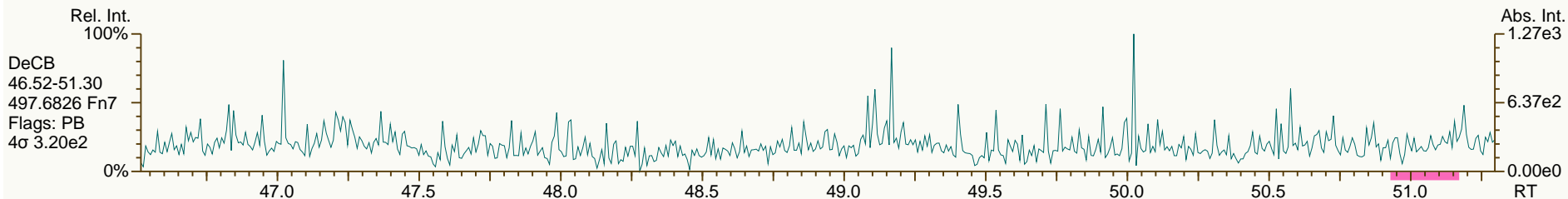
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

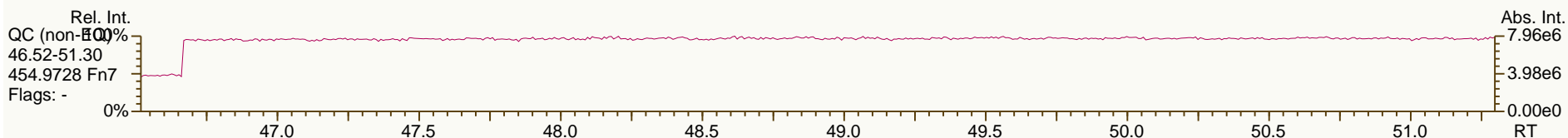
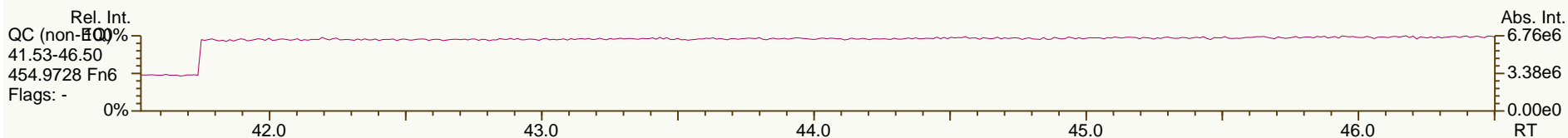
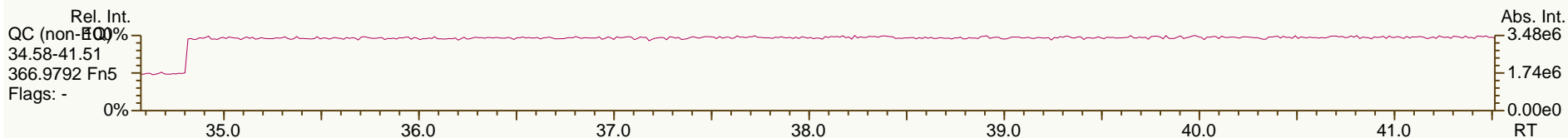
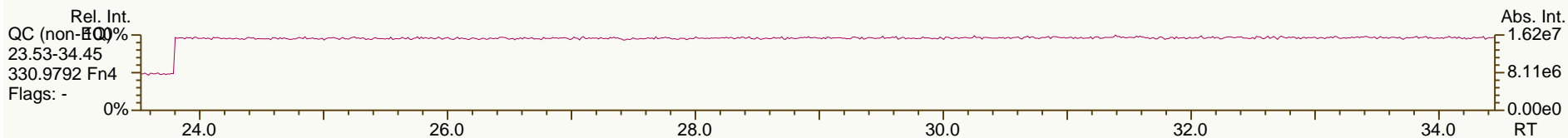
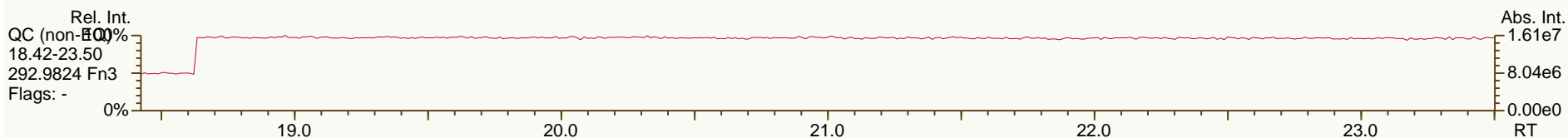
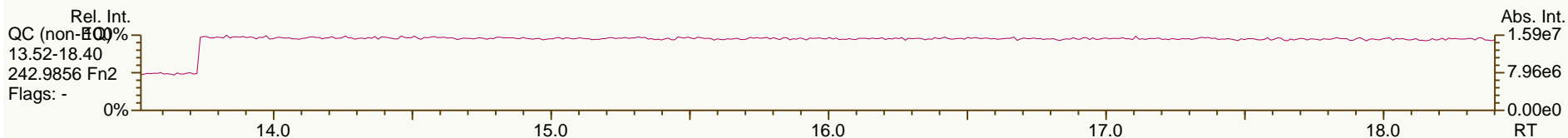
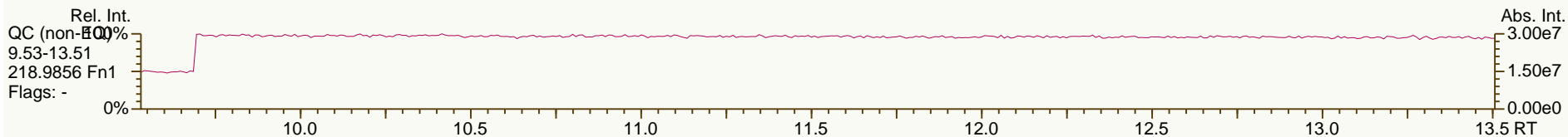
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AP Lab ID: SBS_120703_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

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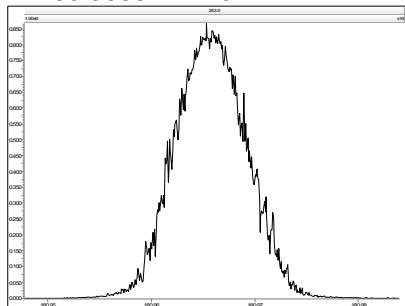
Experiment Calibration Report

MassLynx 4.1

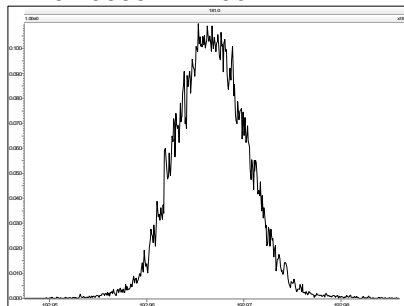
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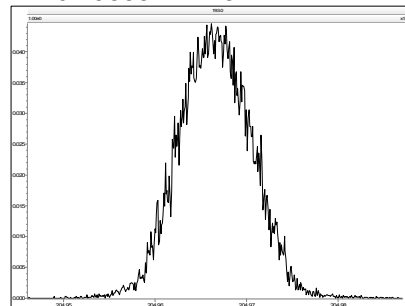
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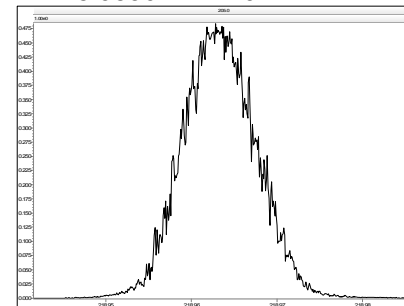
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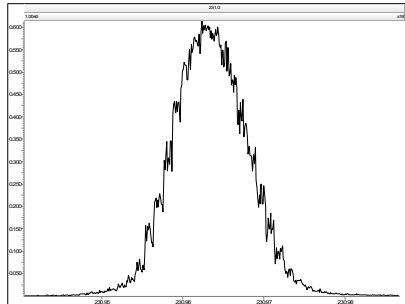
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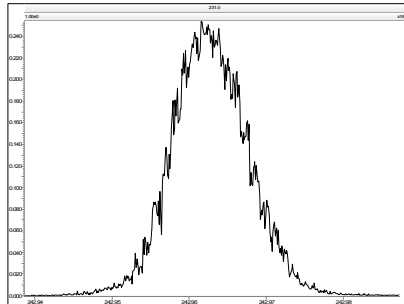
M 218.9856 R 11792



M 230.9856 R 11309



M 242.9856 R 11212



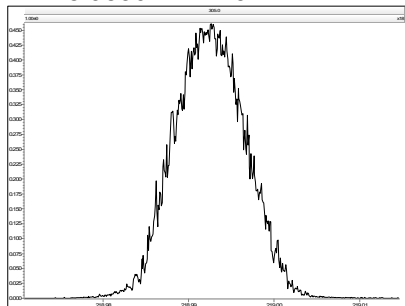
Experiment Calibration Report

MassLynx 4.1

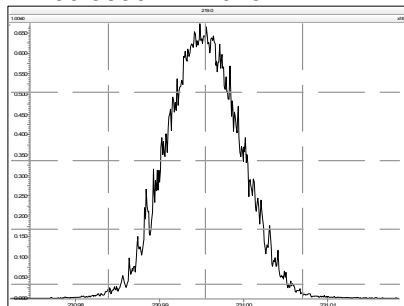
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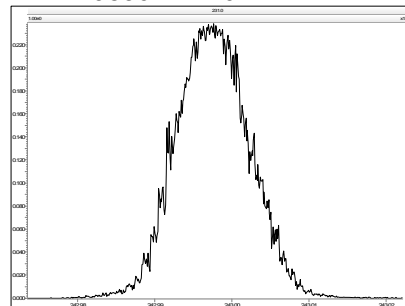
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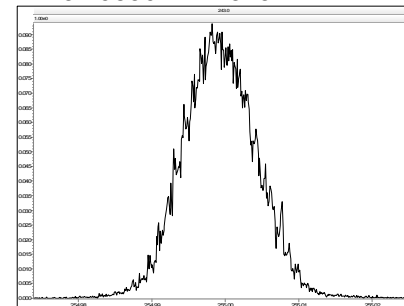
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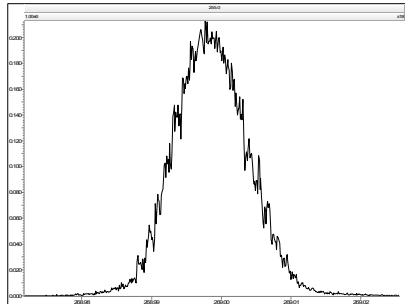
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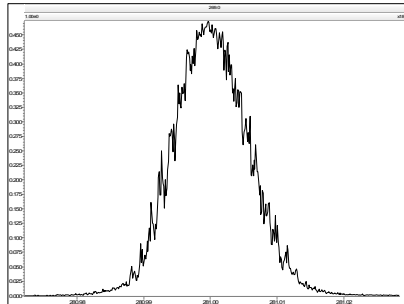
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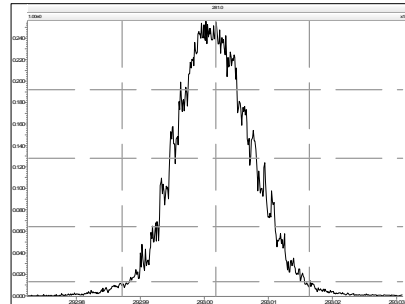
M 268.9824 R 11061



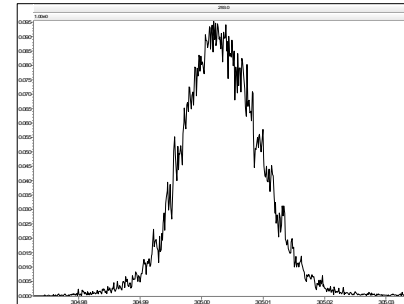
M 280.9824 R 11059



M 292.9824 R 10639



M 304.9824 R 10245



Experiment Calibration Report

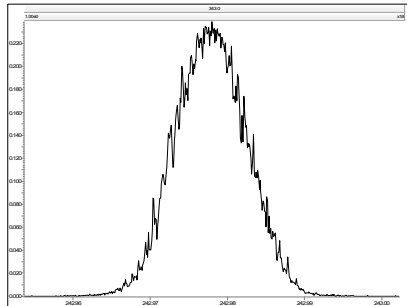
MassLynx 4.1

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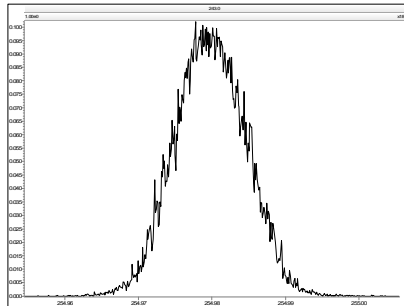
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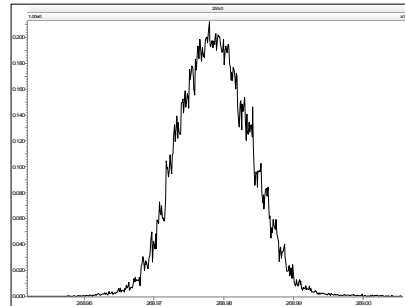
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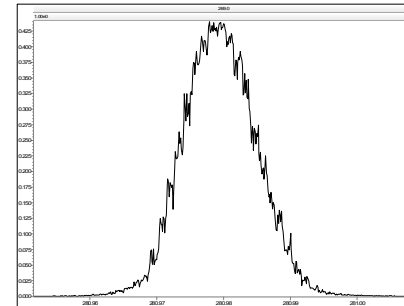
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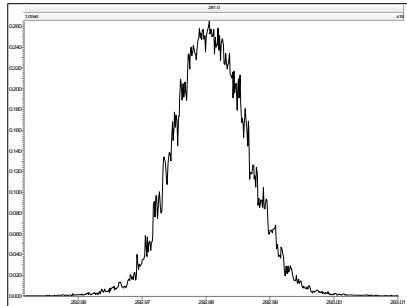
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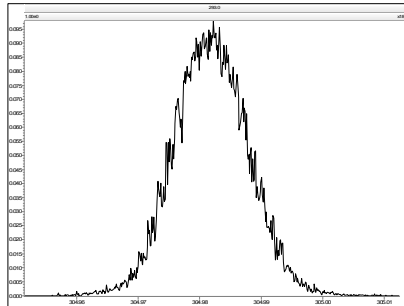
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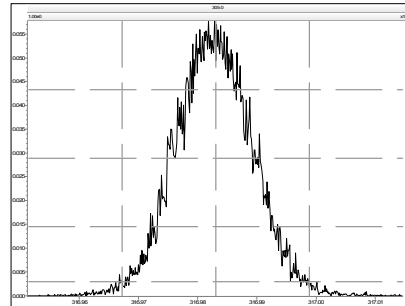
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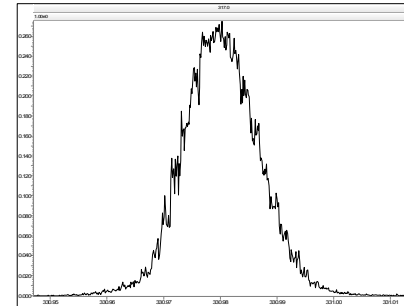
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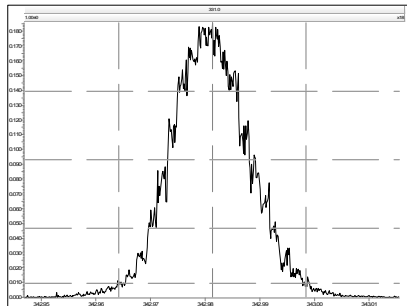
M 316.9824 R 10919



M 330.9792 R 10965



M 342.9792 R 10547



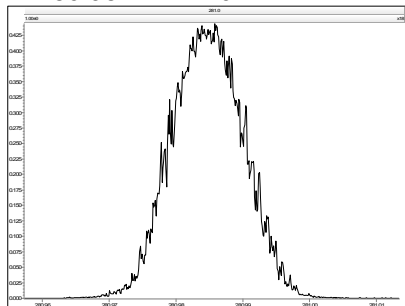
Experiment Calibration Report

MassLynx 4.1

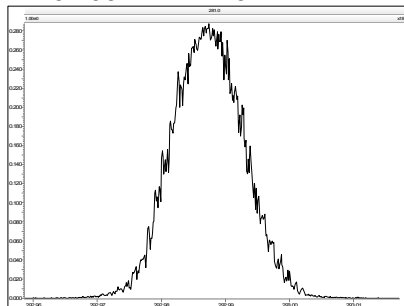
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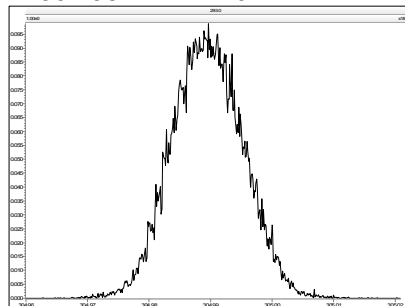
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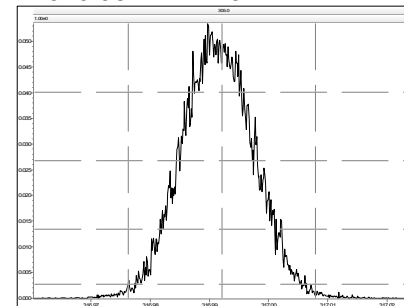
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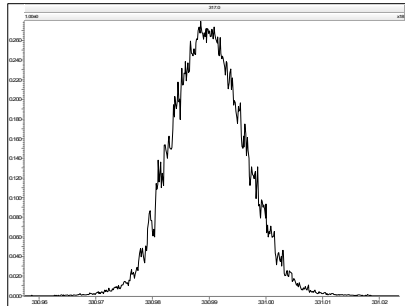
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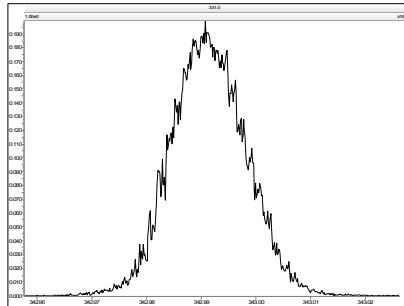
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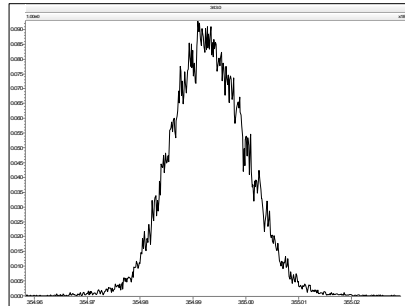
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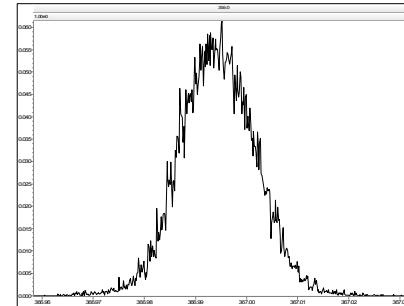
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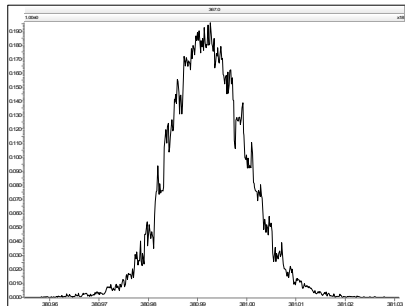
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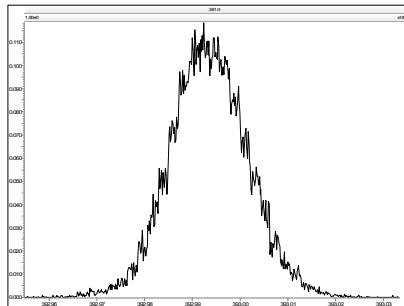
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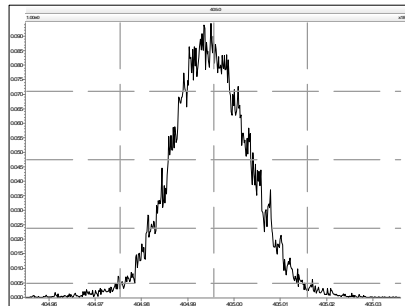
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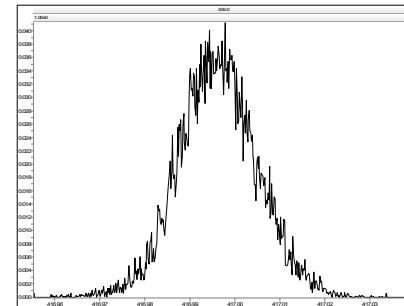
M 392.9760 R 10546



M 404.9760 R 10819



M 416.9760 R 10551



Experiment Calibration Report

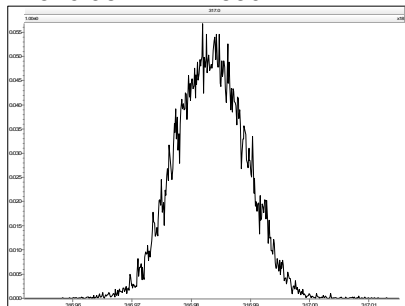
MassLynx 4.1

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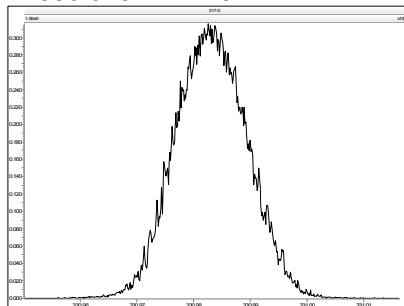
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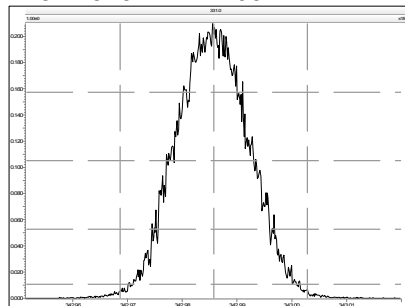
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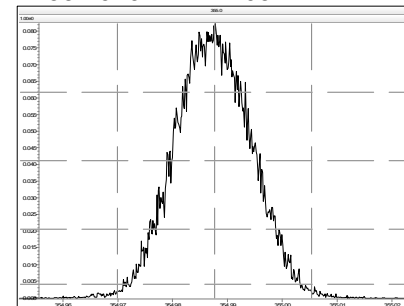
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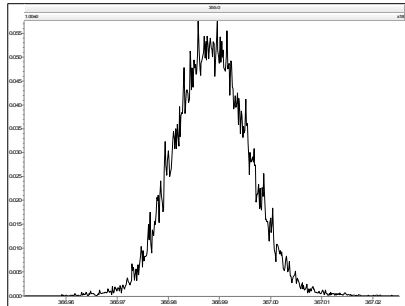
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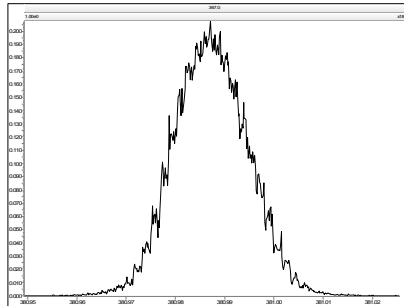
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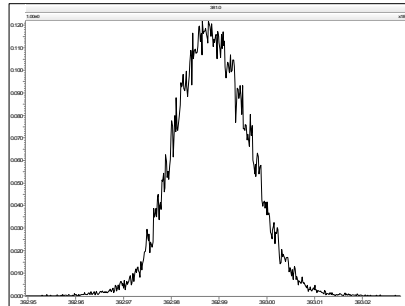
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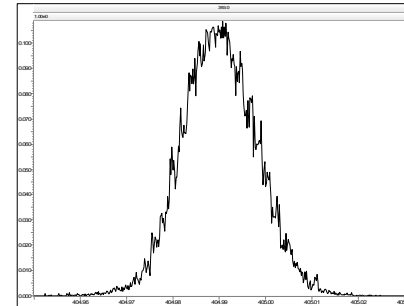
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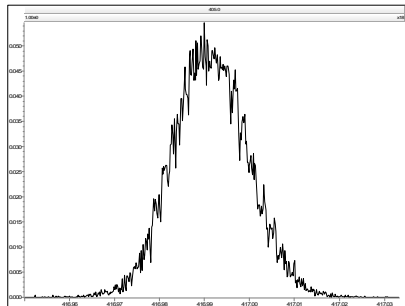
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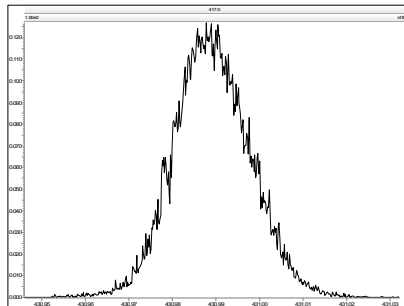
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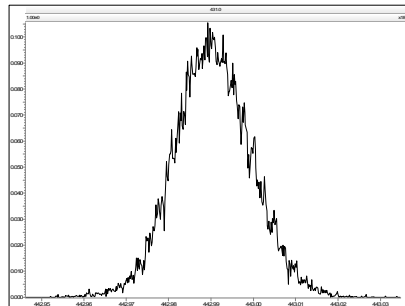
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M 430.9728 R 10915



M 442.9728 R 10638



Experiment Calibration Report

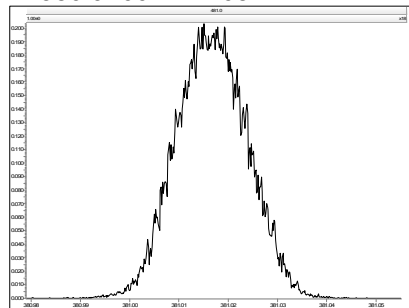
MassLynx 4.1

Page 1 of 1

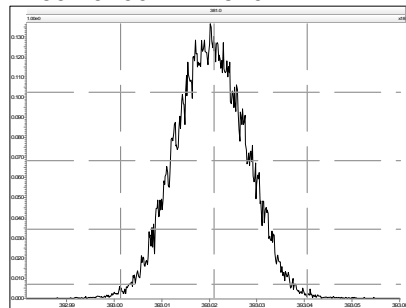
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Printed: Tuesday, July 03, 2012 14:12:07 Eastern Daylight Time

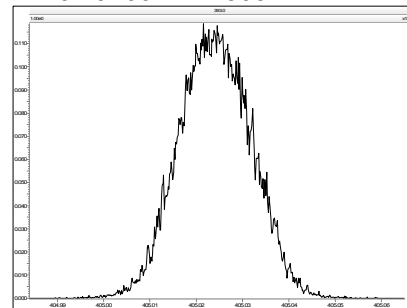
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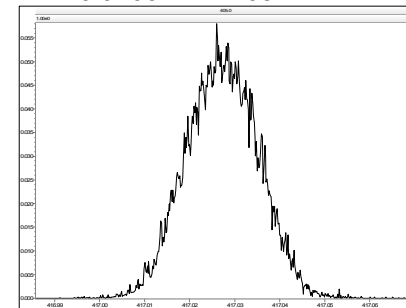
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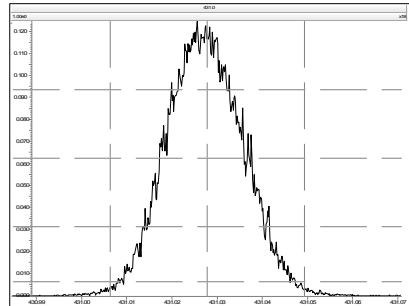
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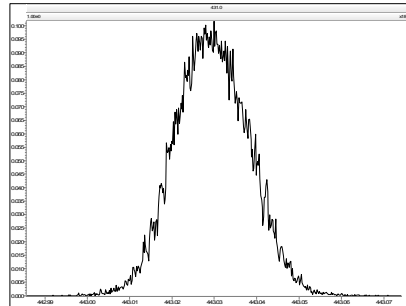
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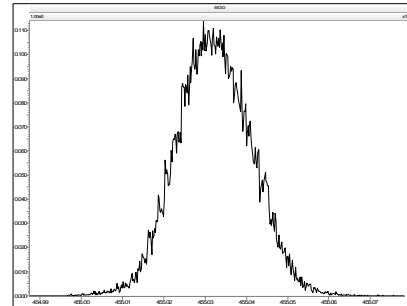
M 430.9728 R 11366



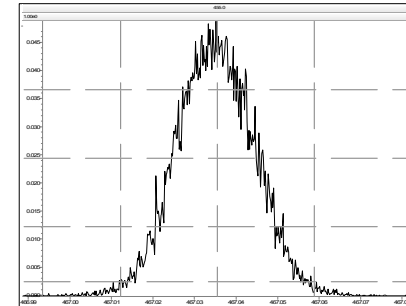
M 442.9728 R 11162



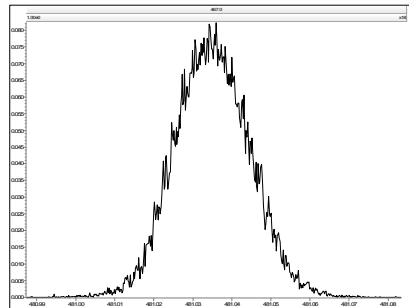
M 454.9728 R 11521



M 466.9728 R 11012



M 480.9696 R 11162



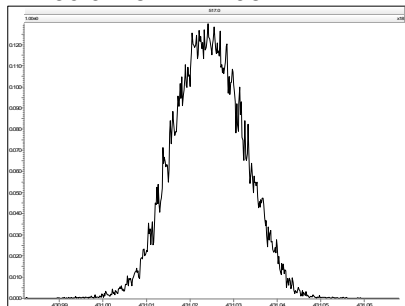
Experiment Calibration Report

MassLynx 4.1

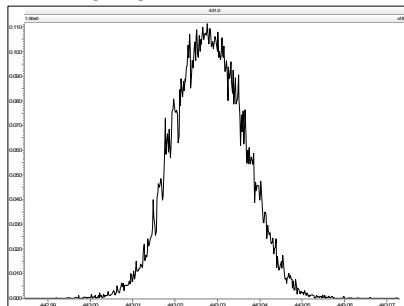
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Printed: Tuesday, July 03, 2012 14:12:28 Eastern Daylight Time

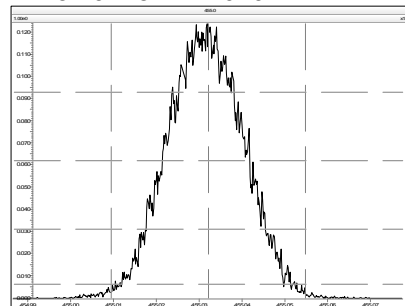
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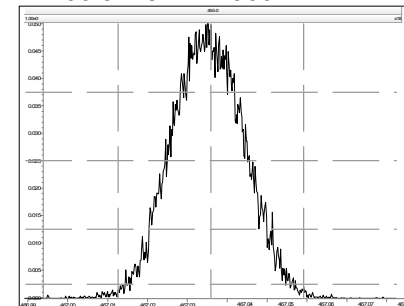
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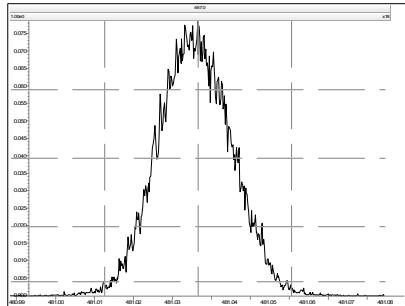
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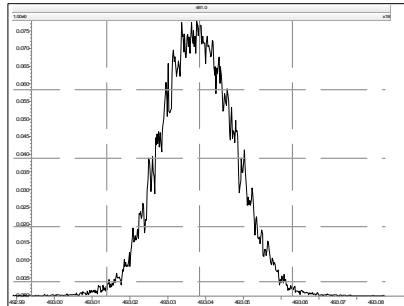
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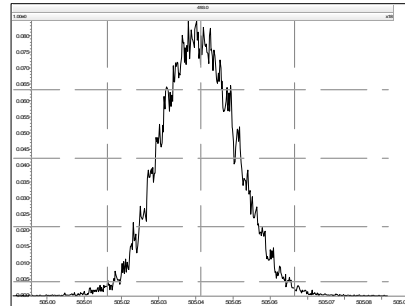
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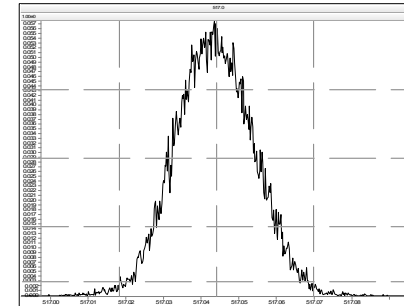
M 492.9696 R 11789



M 504.9696 R 11311



M 516.9697 R 11622

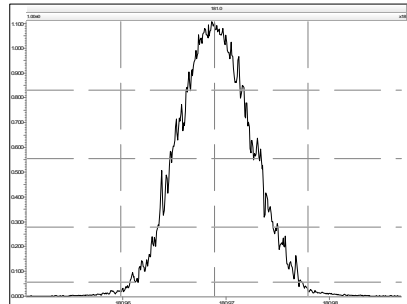


Resolution Check Report

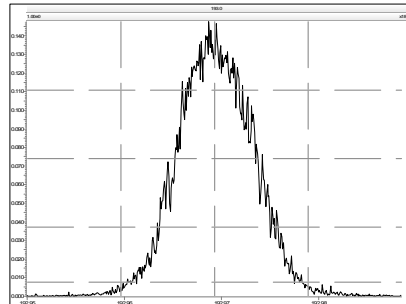
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

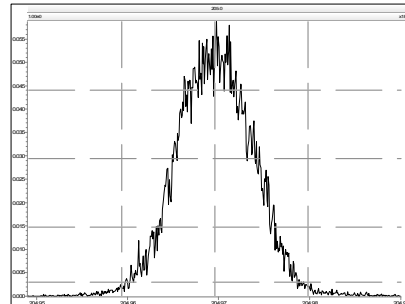
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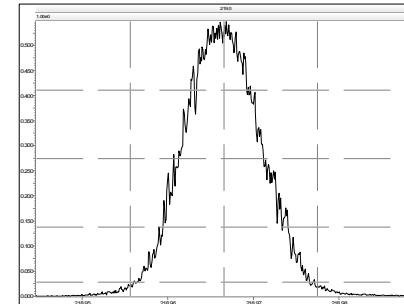
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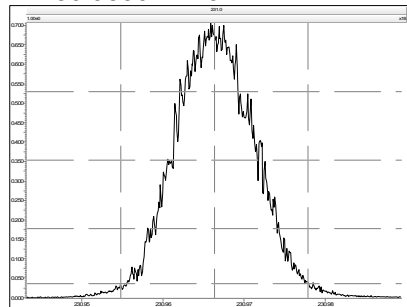
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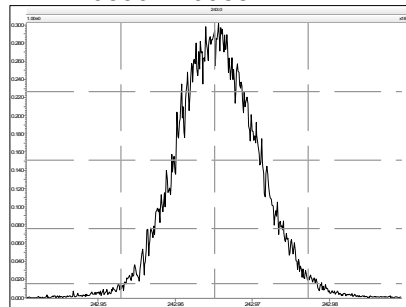
M 218.9856 R 10753



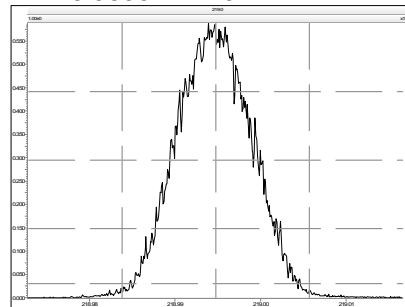
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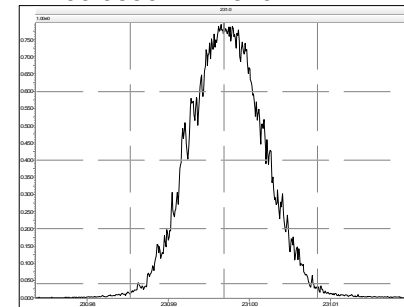
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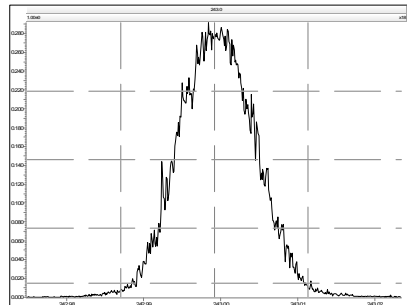
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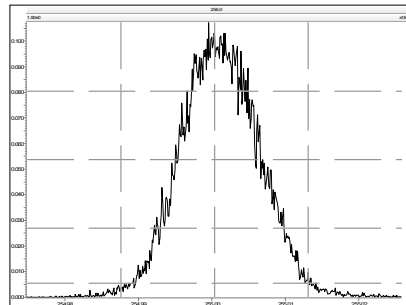
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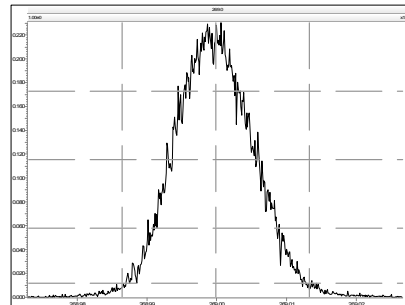
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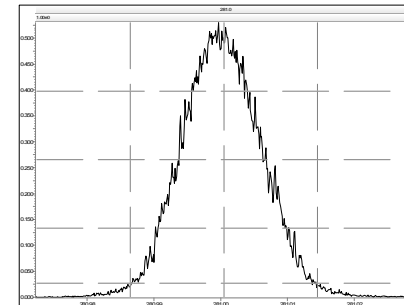
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M 268.9824 R 10571



M 280.9824 R 10351

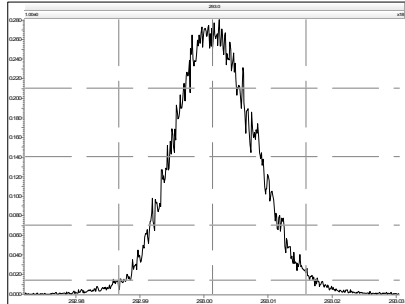


Resolution Check Report

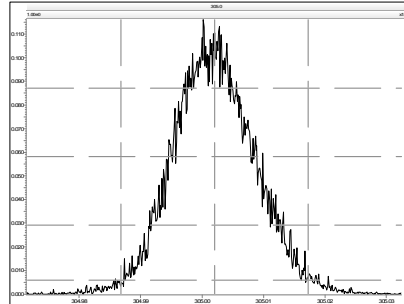
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

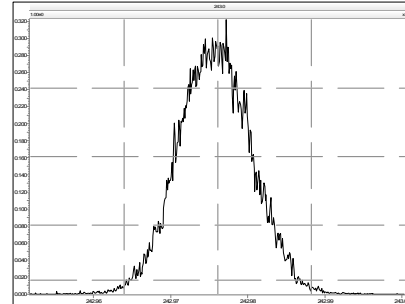
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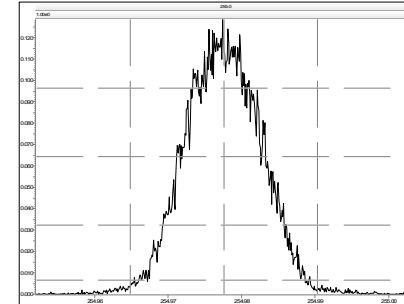
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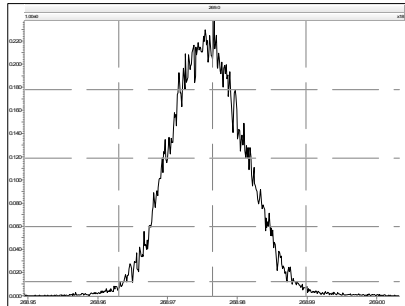
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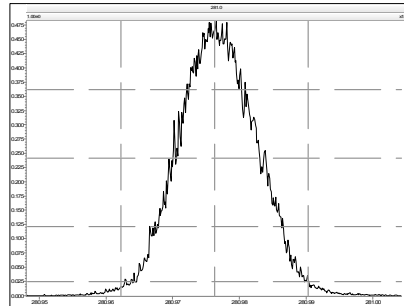
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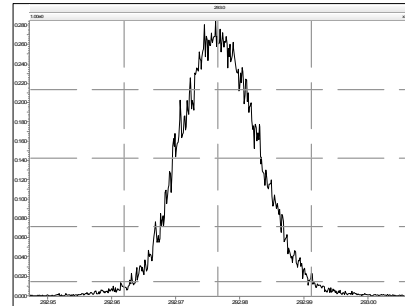
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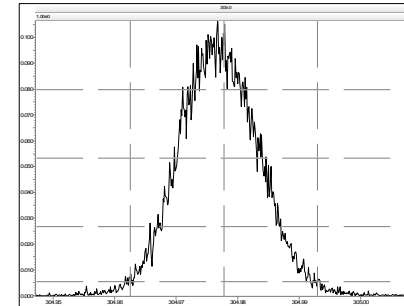
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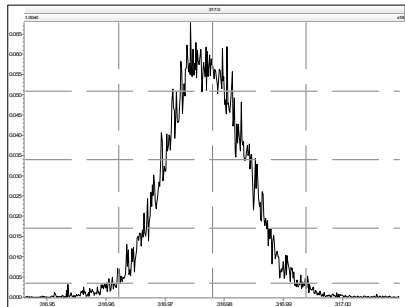
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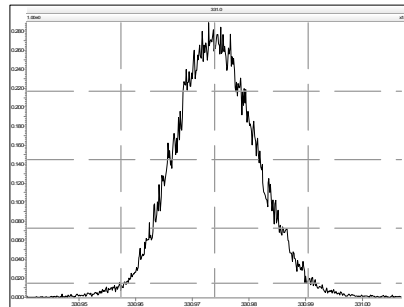
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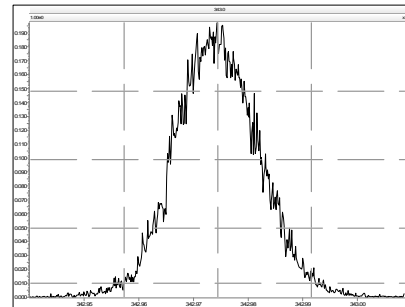
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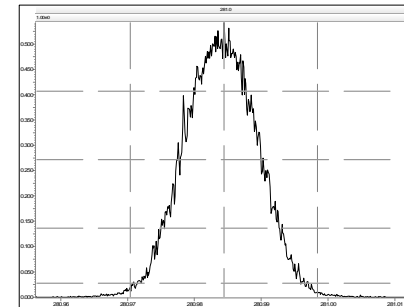
M 330.9792 R 10121



M 342.9792 R 9823



M 280.9824 R 11342

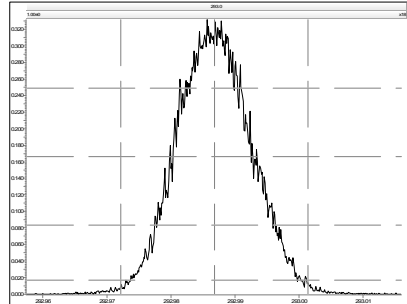


Resolution Check Report

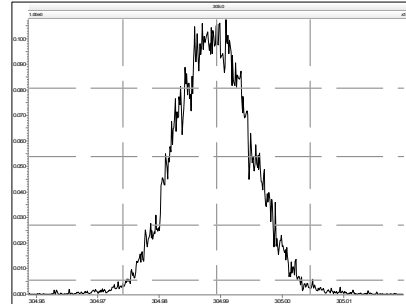
MassLynx 4.1

Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

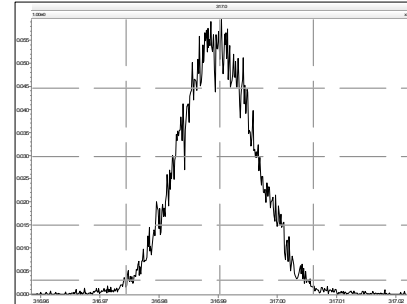
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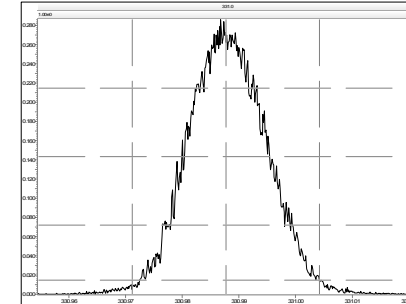
M 304.9824 R 11012



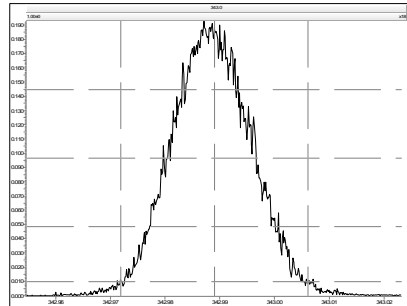
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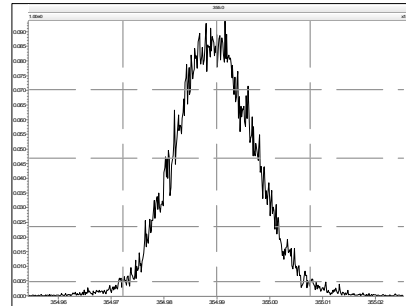
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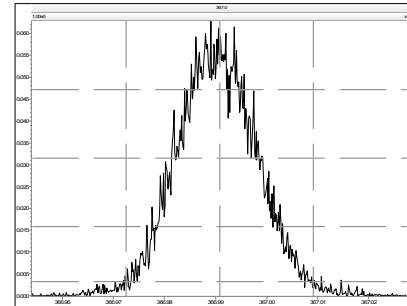
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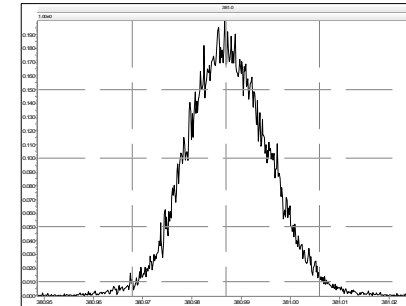
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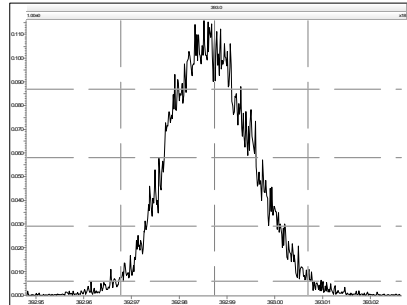
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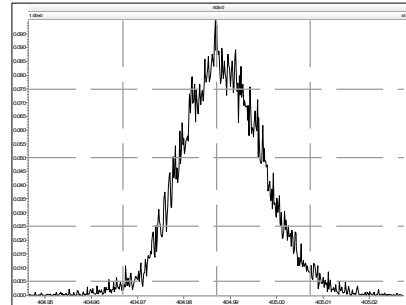
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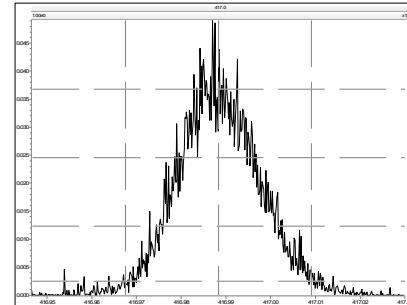
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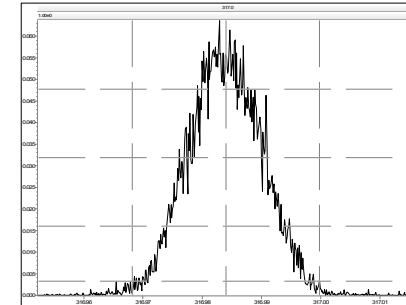
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M 416.9760 R 10373



M 316.9824 R 11520



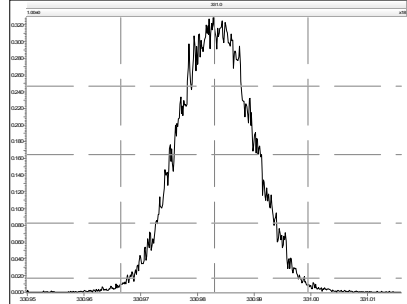
Resolution Check Report

MassLynx 4.1

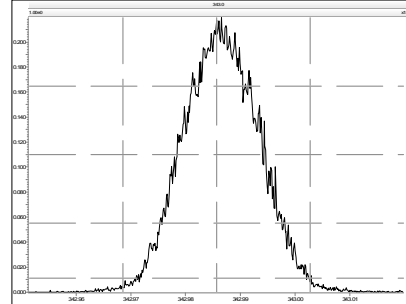
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Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

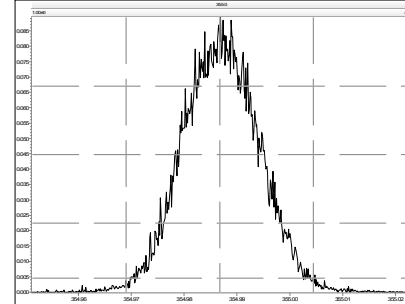
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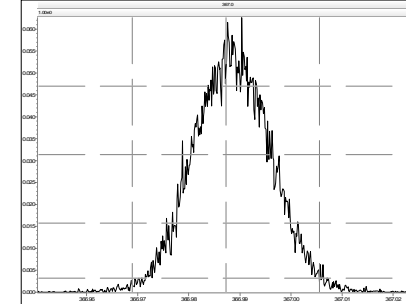
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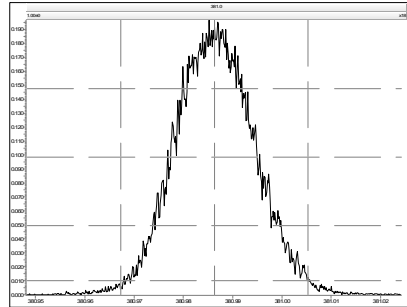
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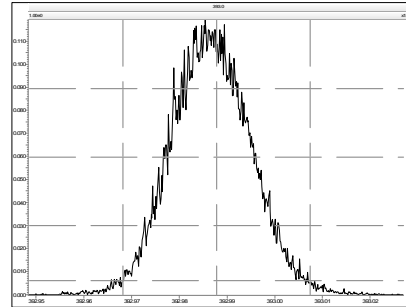
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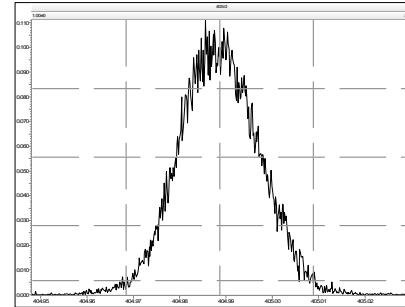
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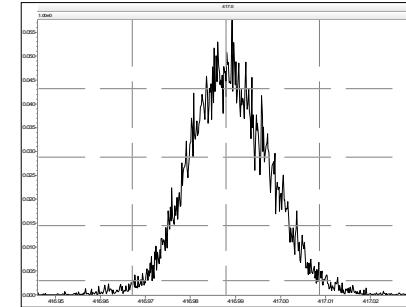
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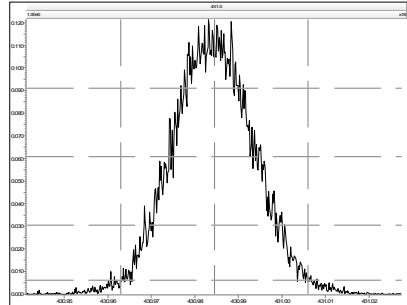
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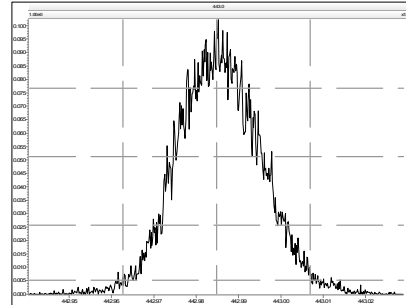
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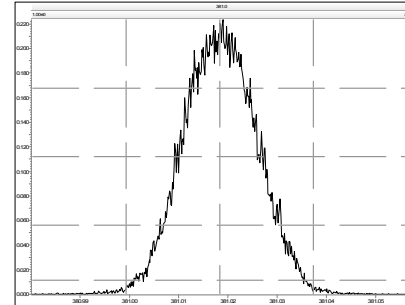
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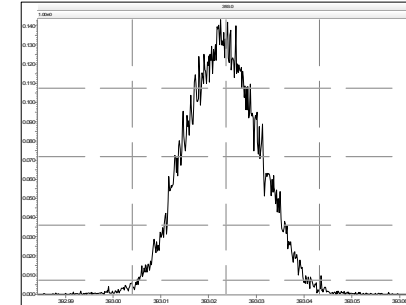
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M 380.9760 R 11327



M 392.9760 R 11389



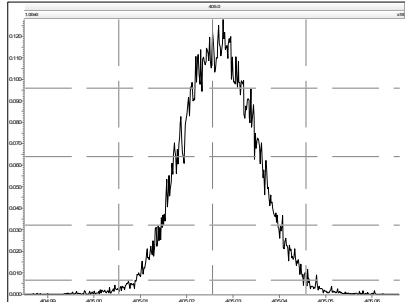
Resolution Check Report

MassLynx 4.1

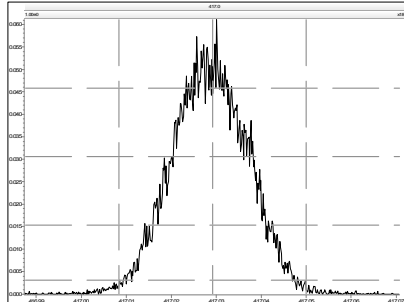
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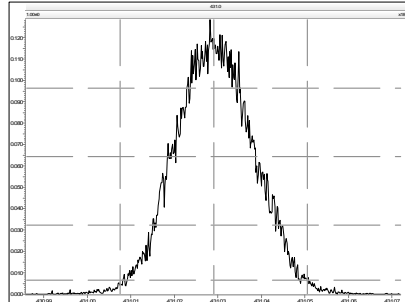
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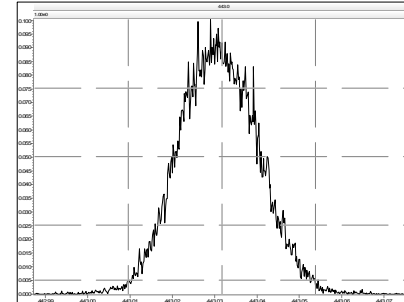
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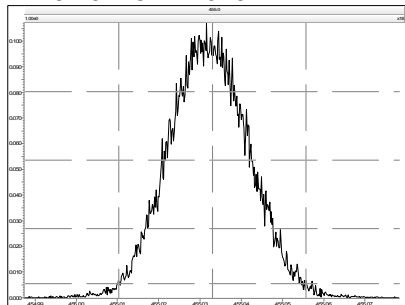
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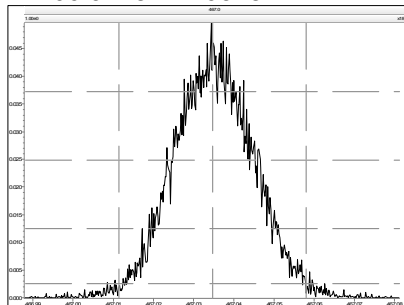
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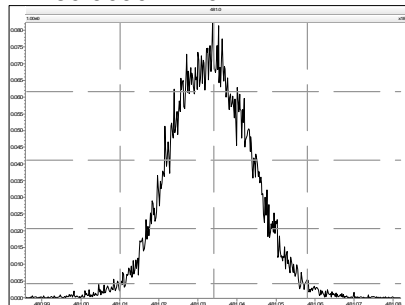
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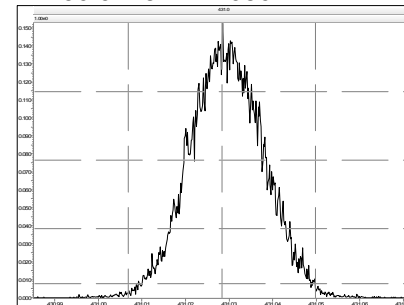
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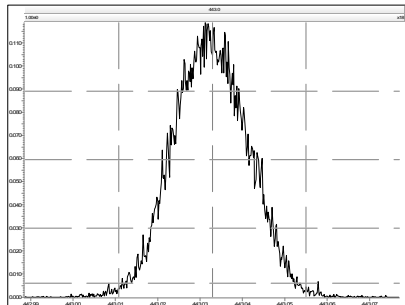
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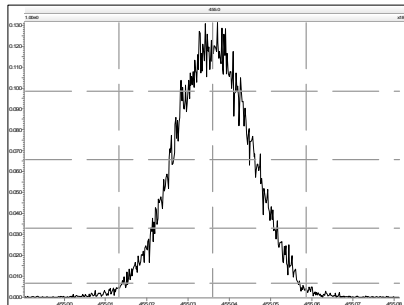
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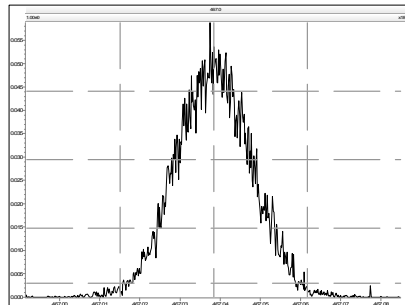
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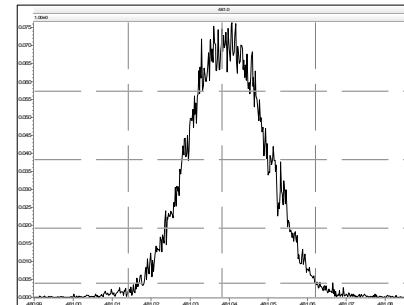
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M 466.9728 R 10940



M 480.9696 R 10482



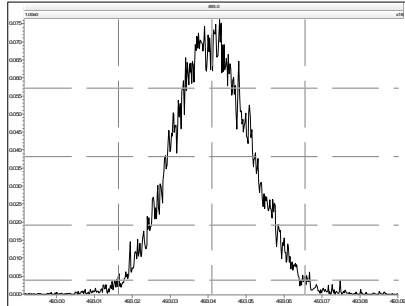
Resolution Check Report

MassLynx 4.1

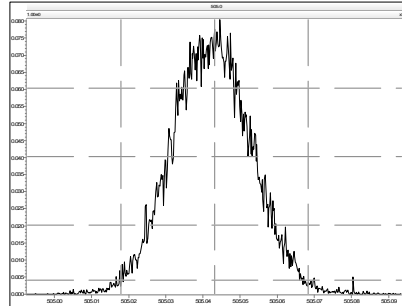
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Printed: Tuesday, July 03, 2012 22:50:32 Eastern Daylight Time

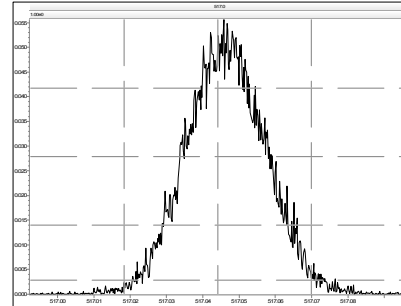
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M 504.9696 R 10549



M 516.9697 R 10619



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
Date Processed: 30 Jan 2012 11:15										
Name	Mean	% RSD	120126S03 0.5	120126S03 1	120126S04 5	120126S05 50	120126S06 400	120126S07 2000		
			CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27 ✓	1.29	✓	
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31	✓	
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09 ✓	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01 ✓	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00 ✓	0.99 ✓	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10 ✓	1.00	1.07	1.14 ✓	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04 ✓	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38	✓	
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22 ✓	1.23	✓	
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17 ✓	1.19	1.21		
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08 ✓	1.09	1.07	1.10		
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14 ✓	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15 ✓	1.10	1.10	1.14	1.18		
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06 ✓	1.06	1.06	1.06	1.07	1.10		

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6'-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5'-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs				MM4_PCB_01102012_26JAN1				PD from	
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11	2	RSD	Mean	sd	Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02	0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11	6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10	7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11	7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10	7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05	-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10	7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00	-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02	-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02	-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06	-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01	0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00	0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04	2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05	-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04	3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02	1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03	2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04	3.0%
153									
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05	3.2%
170									
180									
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04	2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04	3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04	2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07	5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01	1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02	1.3%
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1	10.8	0.98	0.11	1.07	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	10.3	0.98	0.10	1.07	1.05	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	8.3	0.71	0.06	0.84	0.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04	2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04	-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17	9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19	-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12	7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03	1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20	-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02	1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01	-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02	-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13	7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14	7.8%
153									
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11	-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15	10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13	9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24	17.7%
170									
180									
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23	-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16	6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13	-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'44'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'45'6'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'5'6'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'455'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'455'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'44'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'5'6'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'44'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'5'6'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'3455'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56'-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6'-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6'-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED*By cwood at 2:30 pm, Jan 30, 2012*

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA				ICAL: MM4_PCB_01102012_26JAN12		
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%	
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%	
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%	
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%	
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%	
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%	
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%	
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%	
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%	
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%	
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%	
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%	
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%	
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%	
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%	
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%	
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%	
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%	
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%	
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%	
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%	
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%	
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%	
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%	
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%	
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%	
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%	
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%	
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%	
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%	
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%	
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%	
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%	
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%	
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%	
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%	
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%	
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%	
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%	
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%	
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

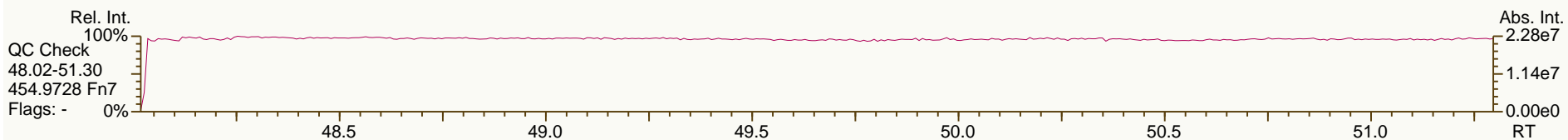
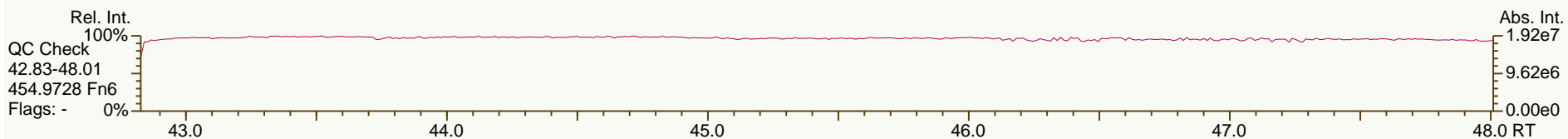
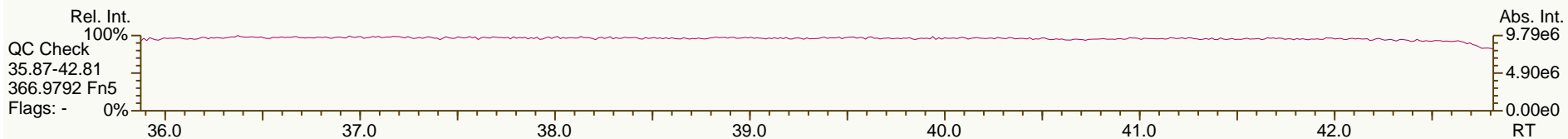
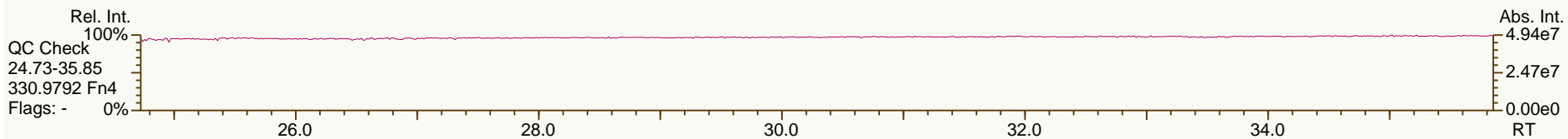
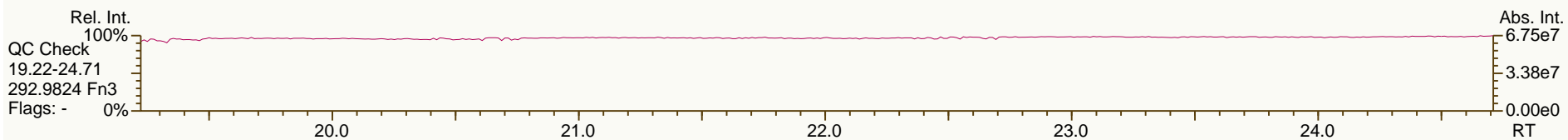
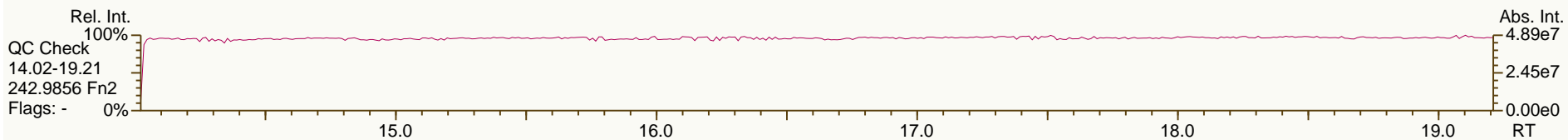
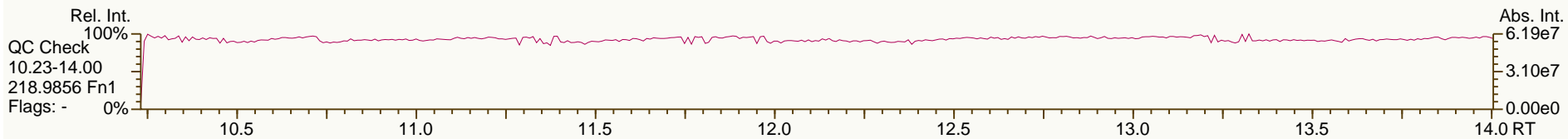
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4'-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5'-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46'-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45'-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45'-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6'-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6'-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56'-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46'-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456'-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6'-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6'-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5'-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6'-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456'-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6'-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

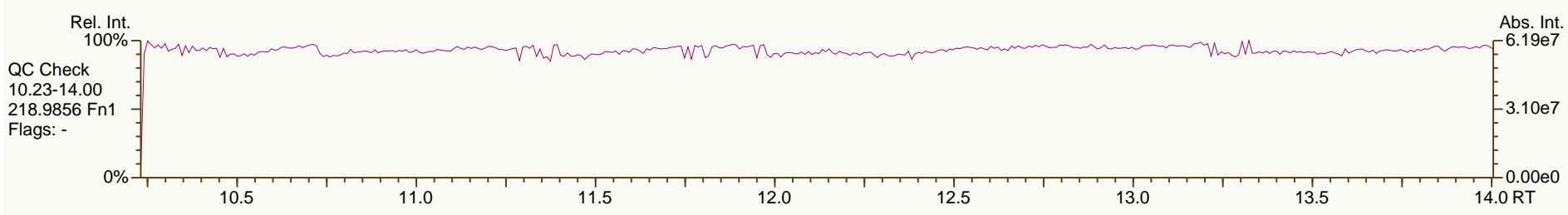
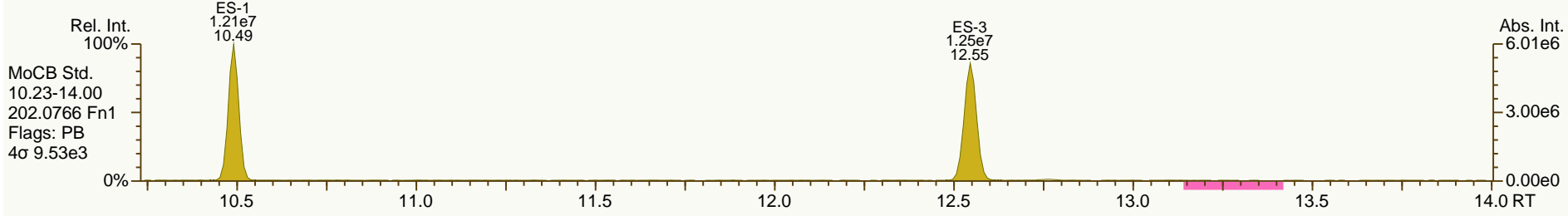
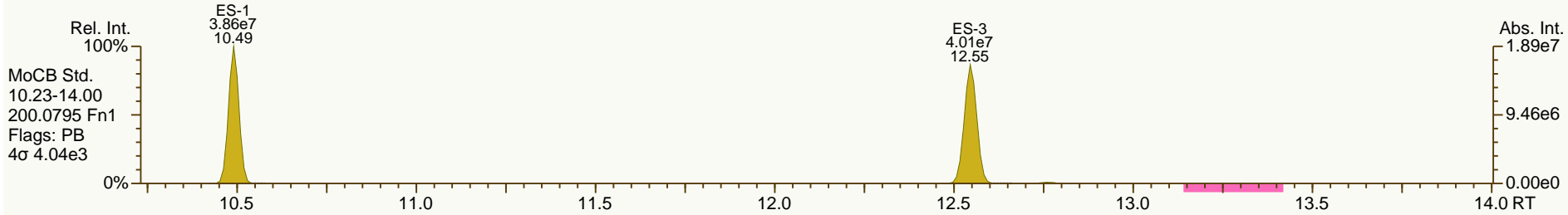
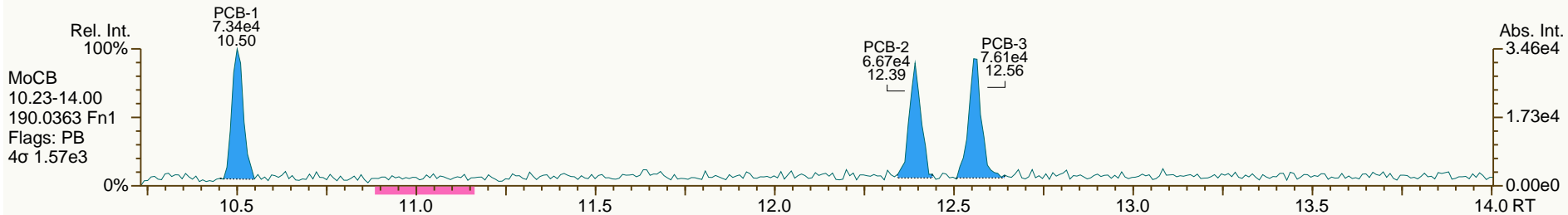
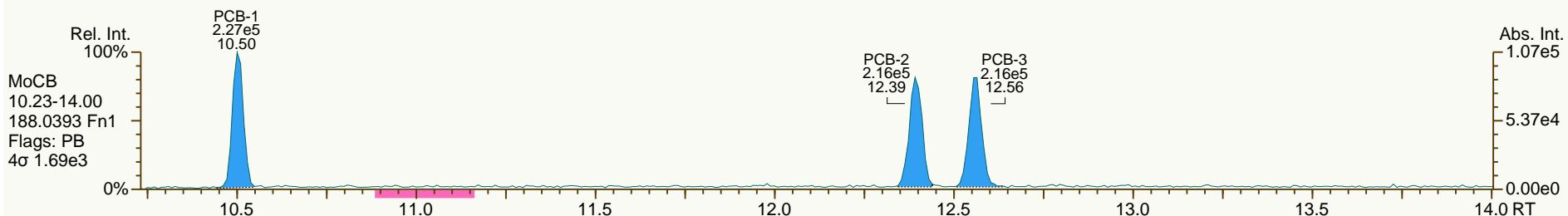
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

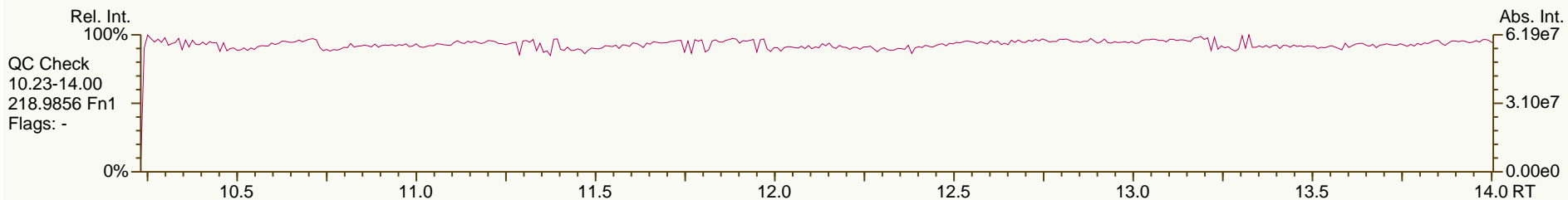
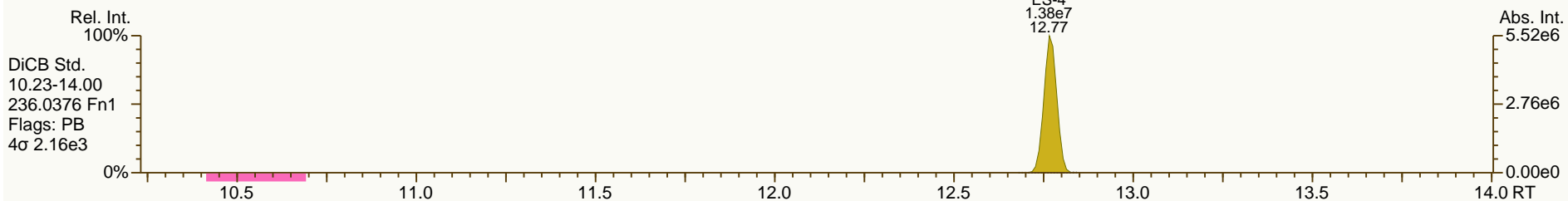
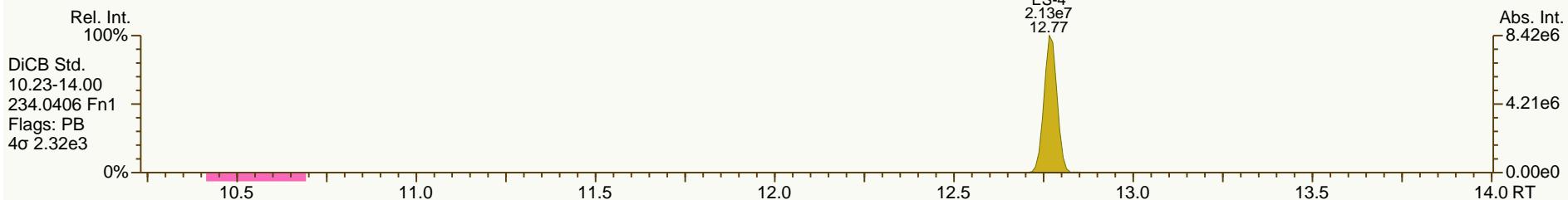
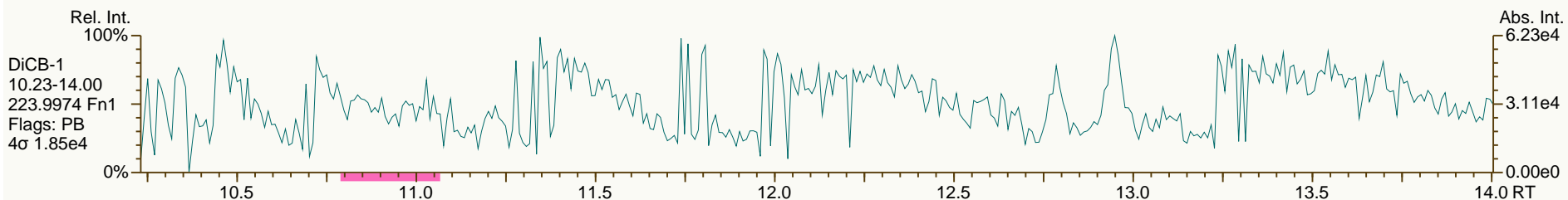
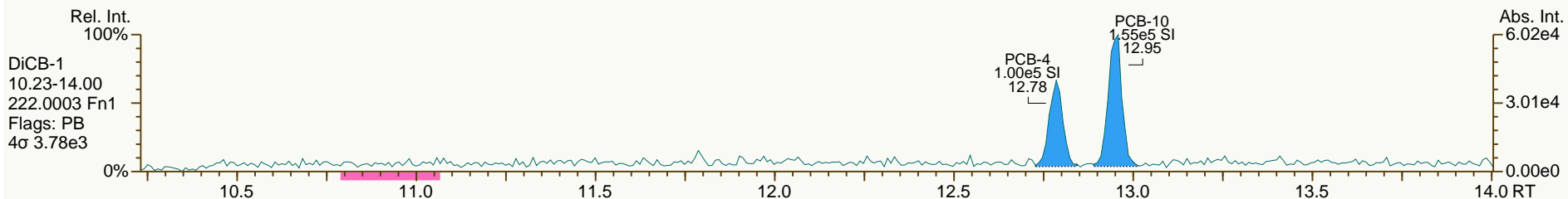
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
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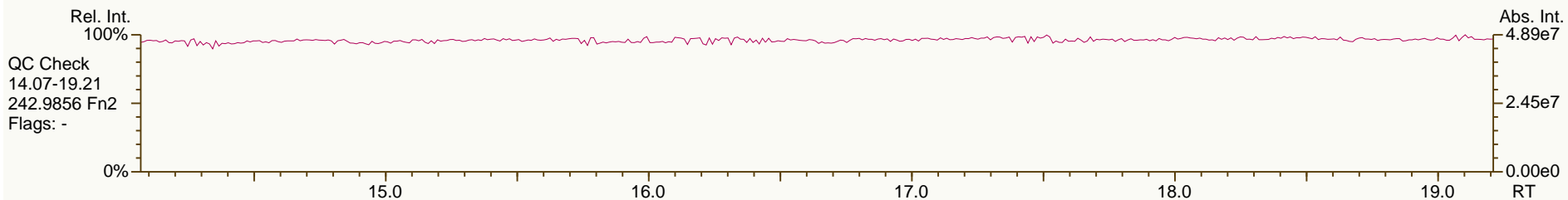
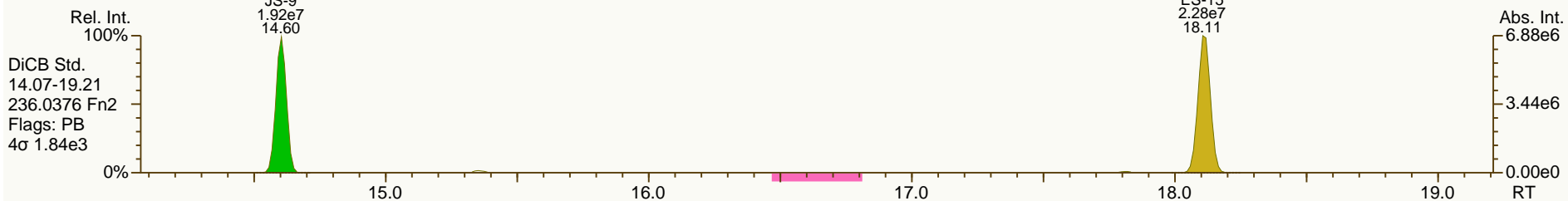
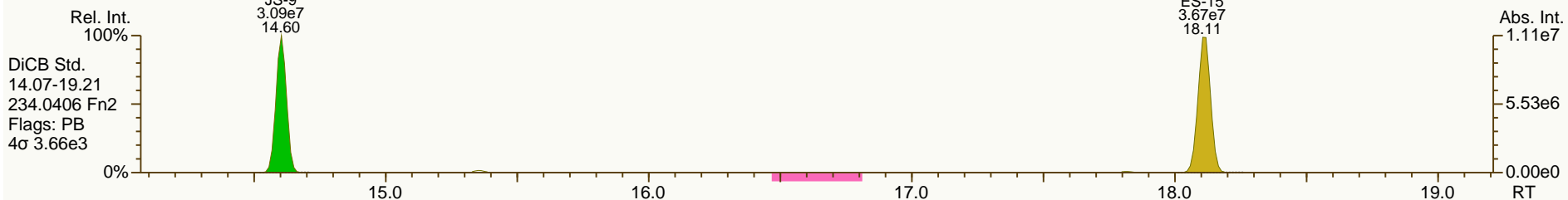
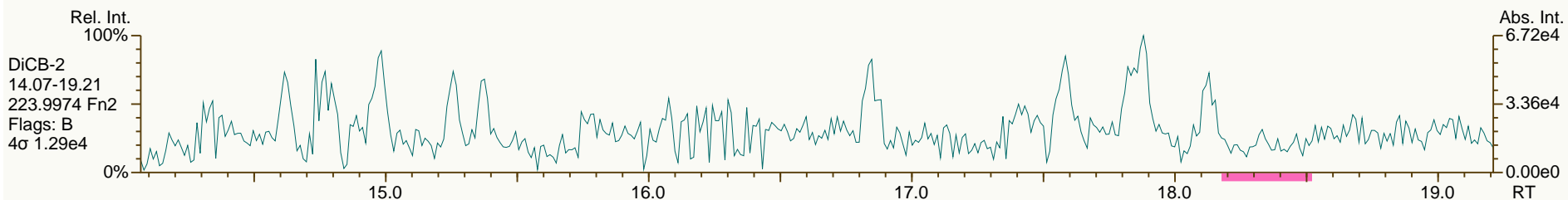
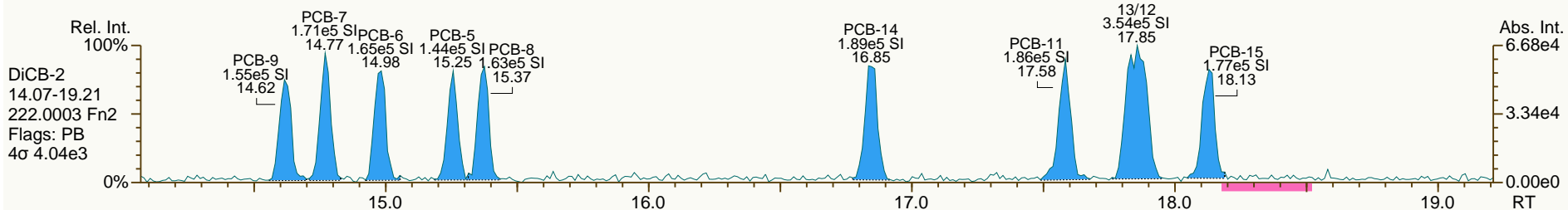
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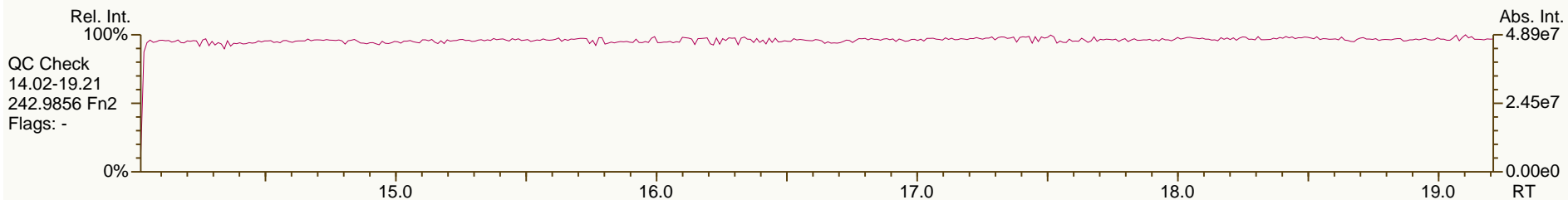
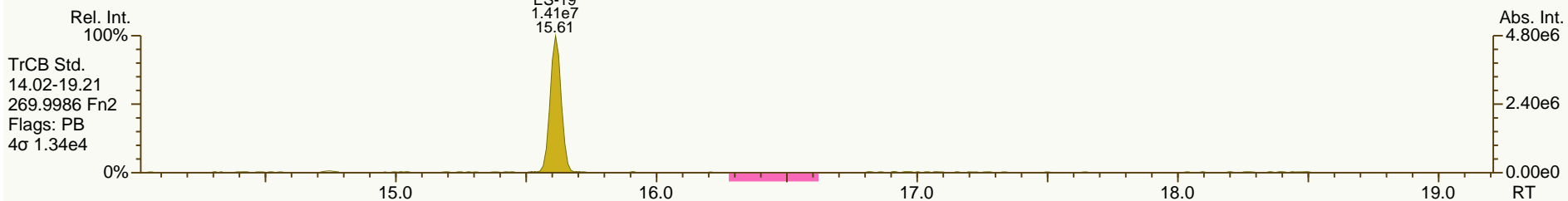
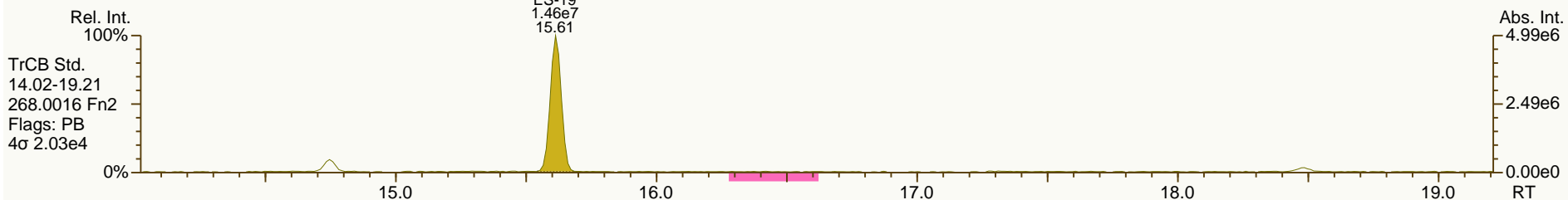
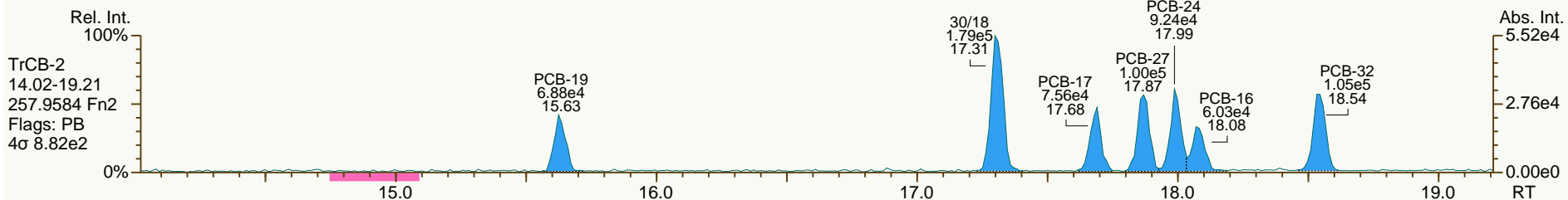
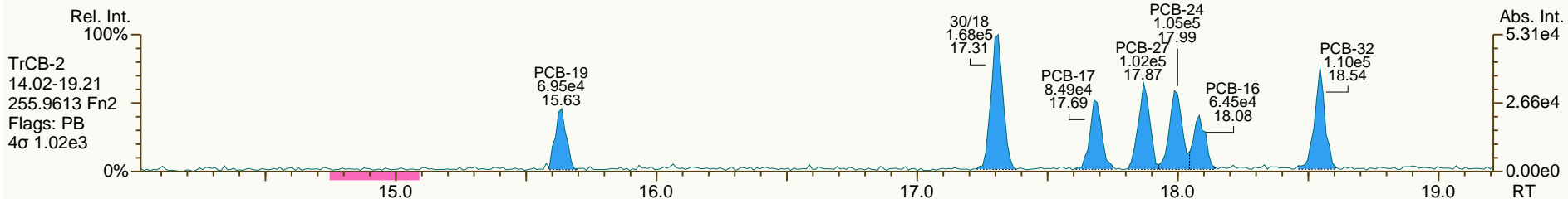
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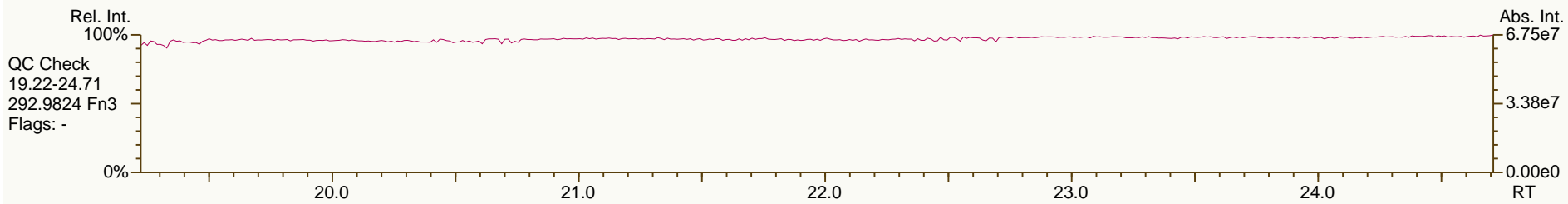
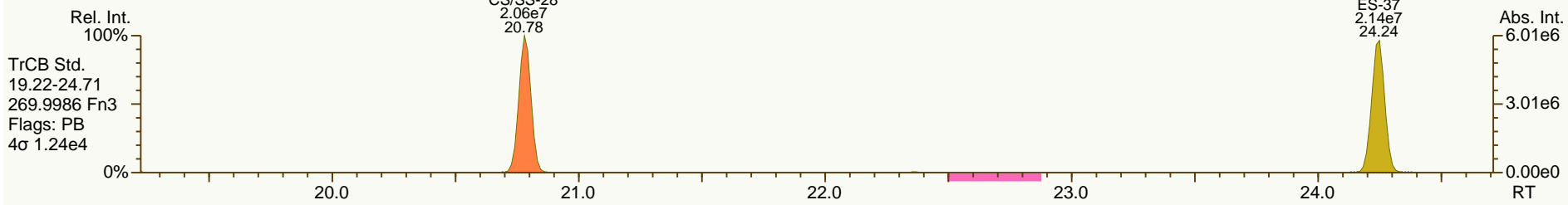
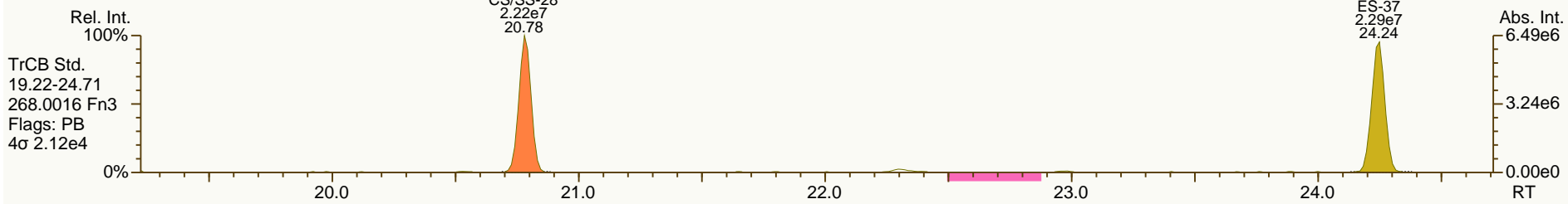
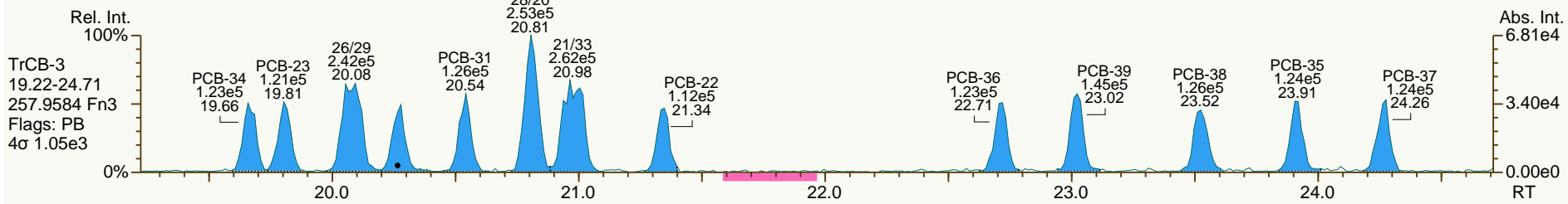
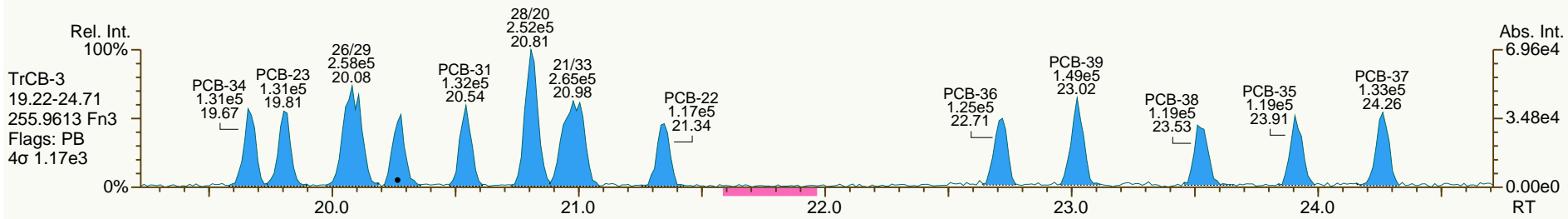
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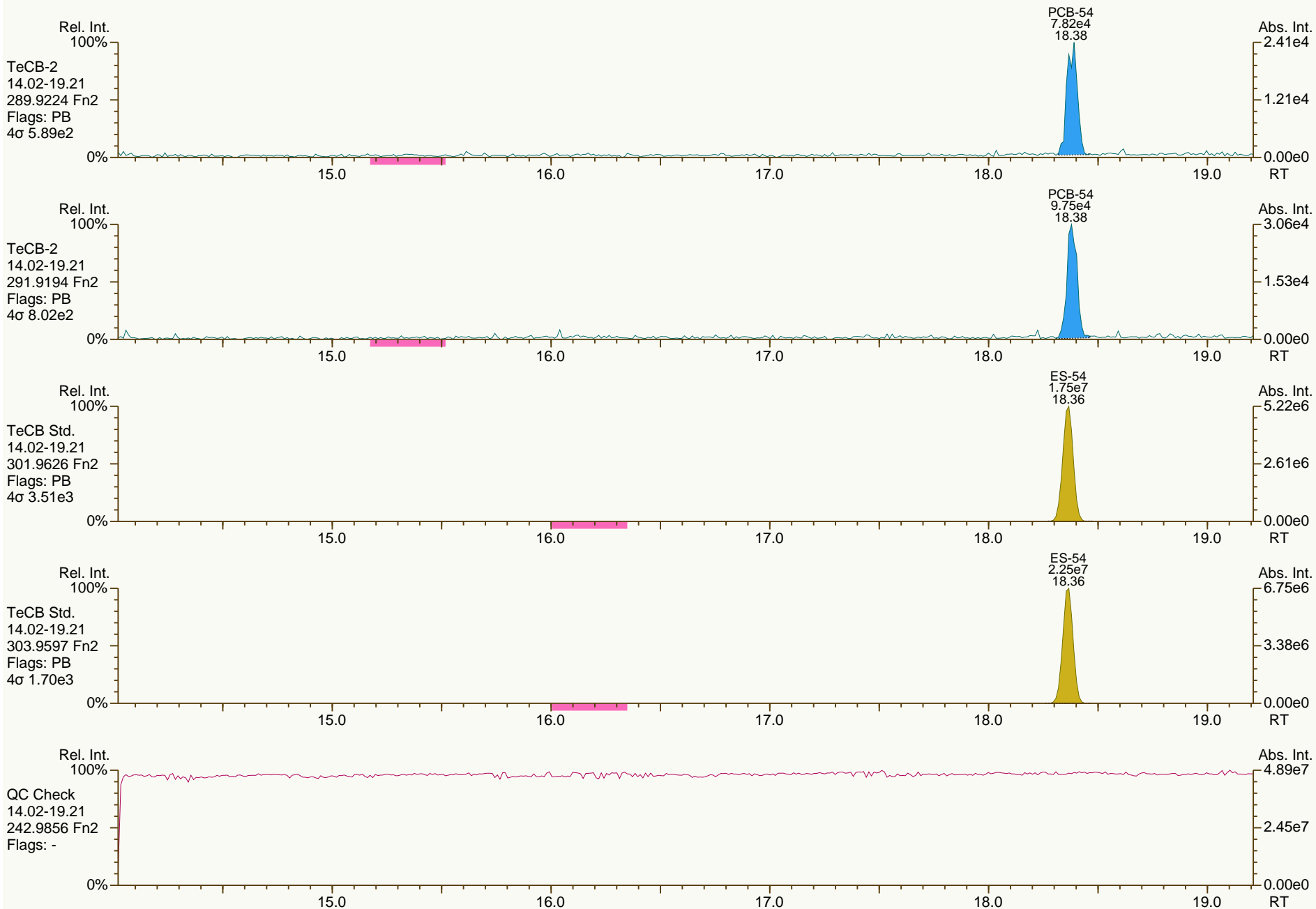
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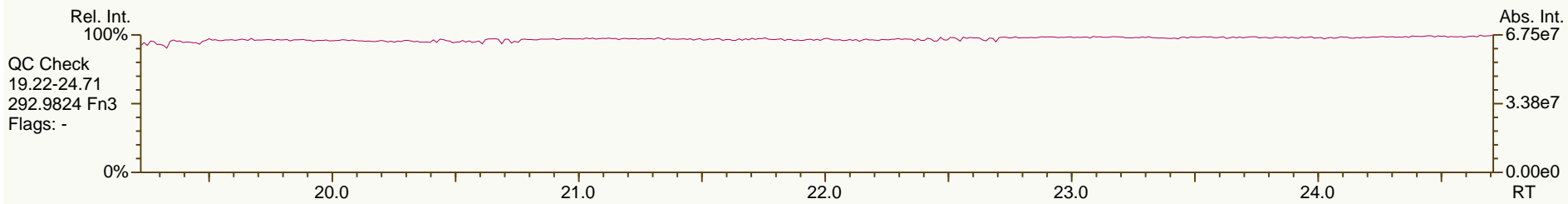
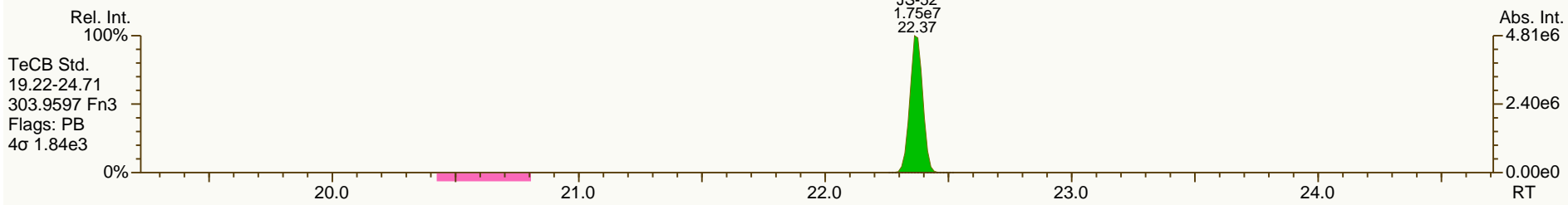
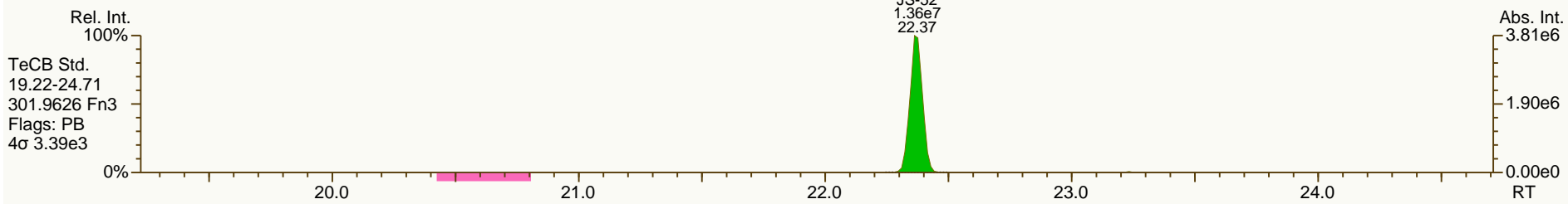
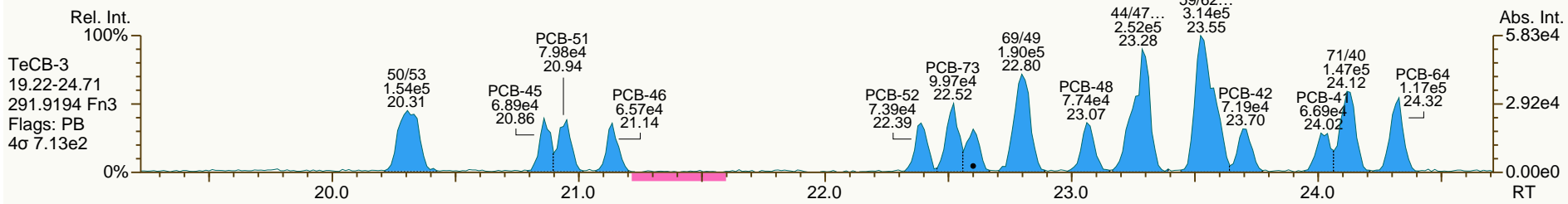
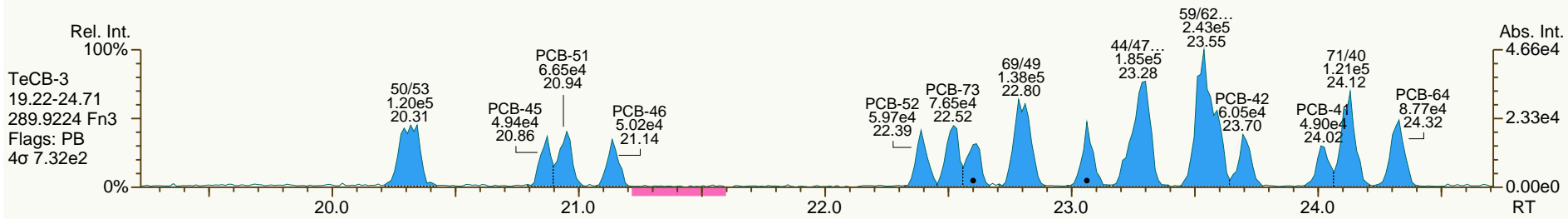
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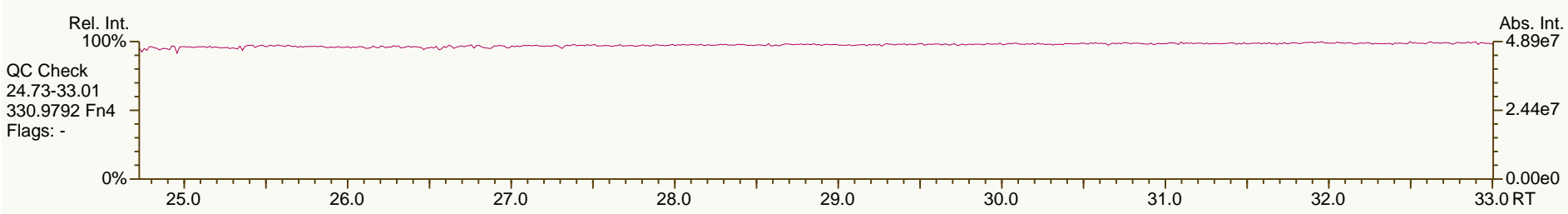
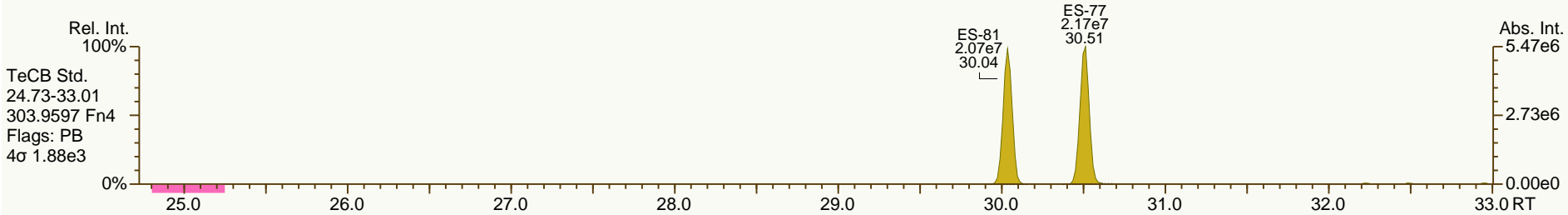
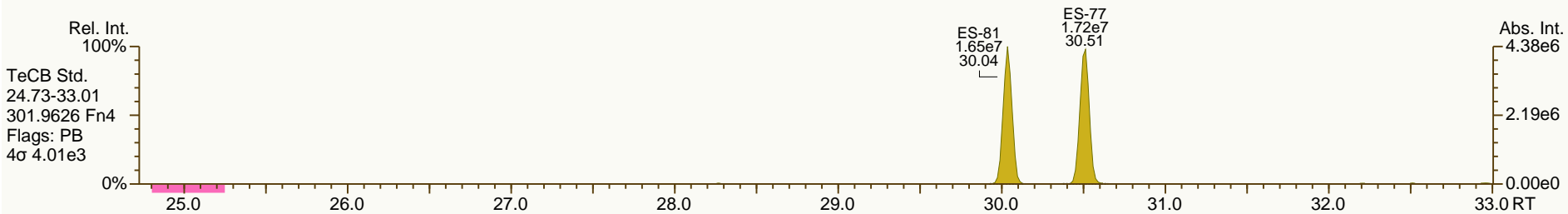
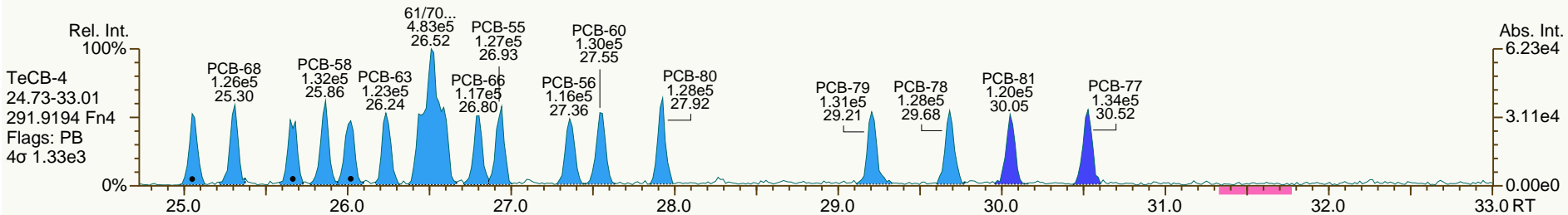
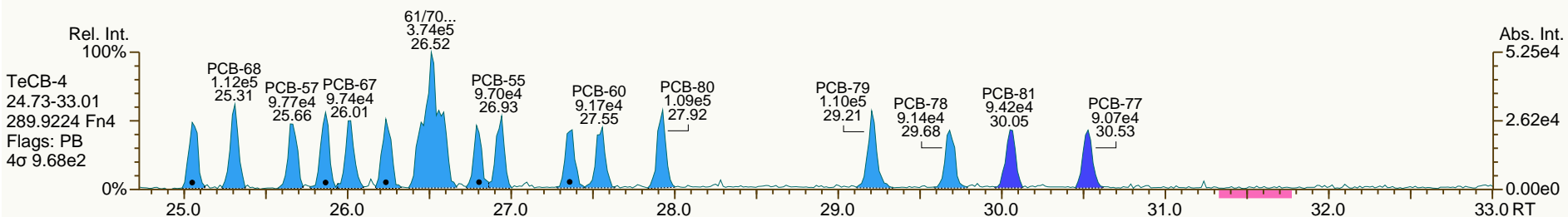
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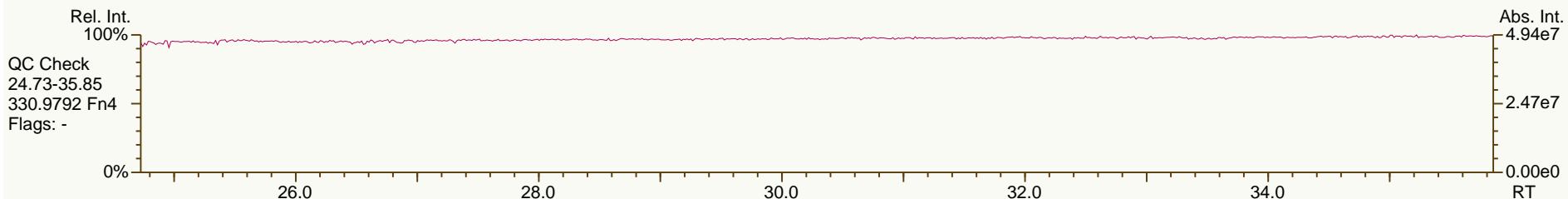
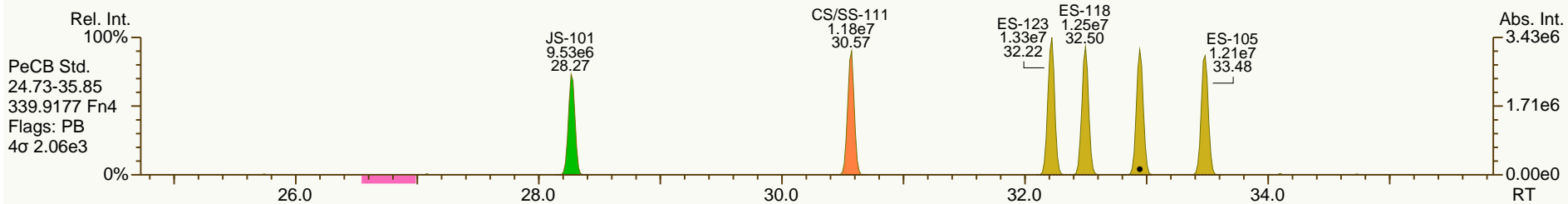
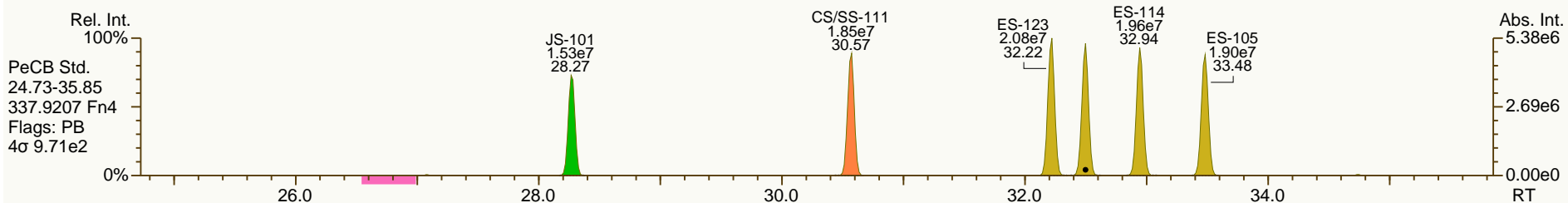
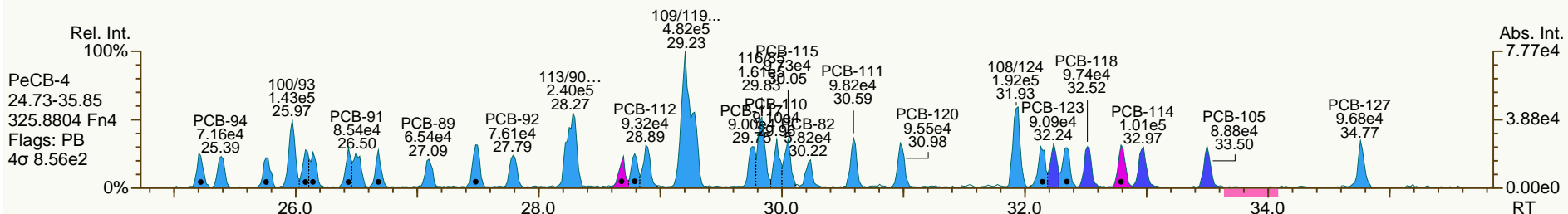
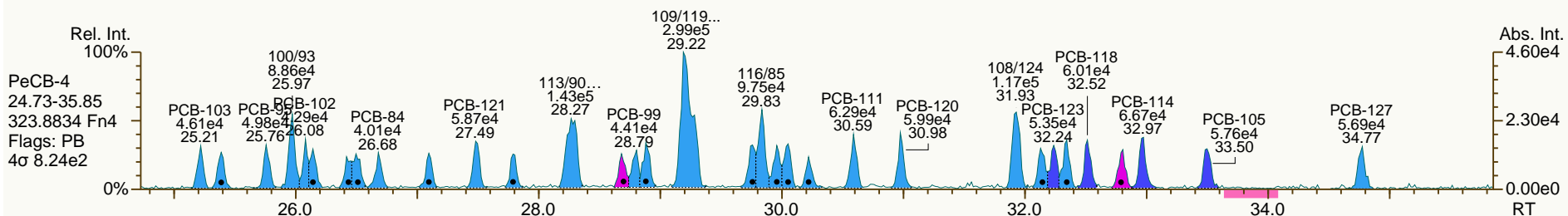
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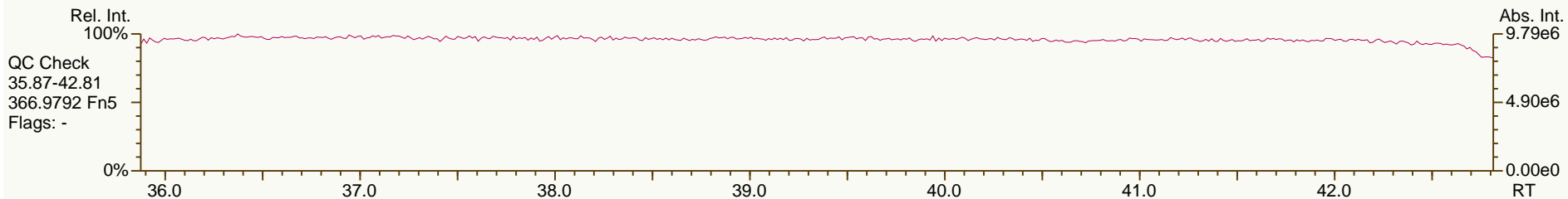
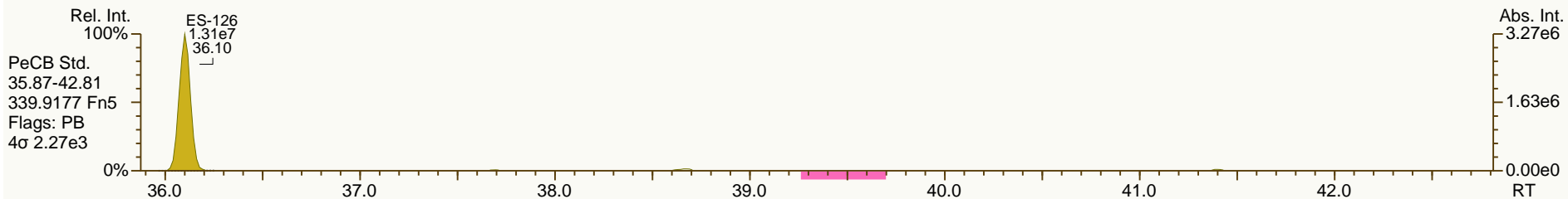
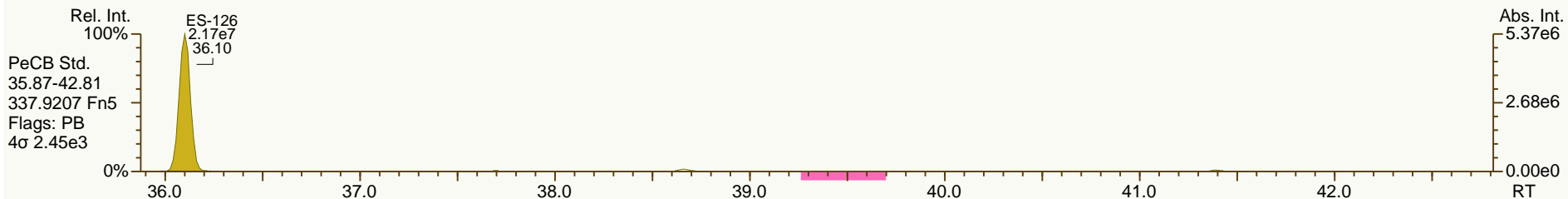
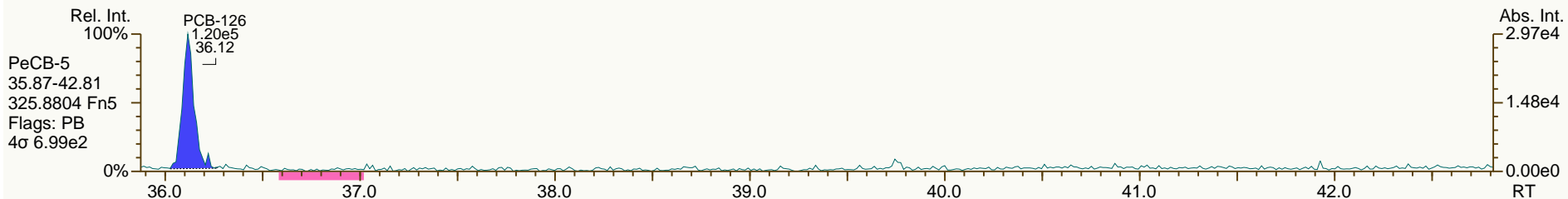
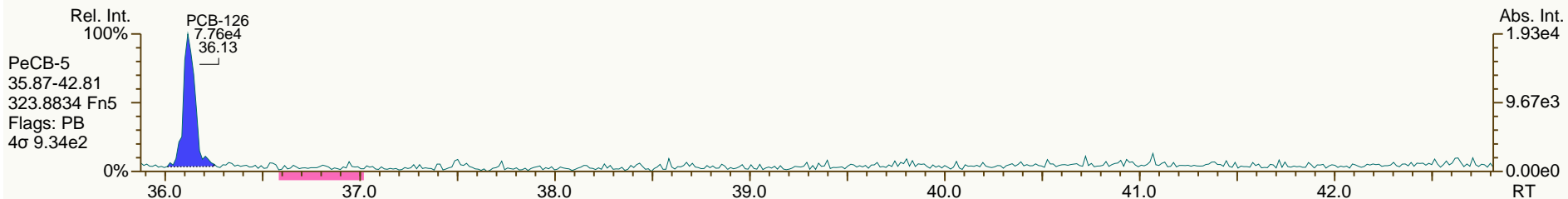
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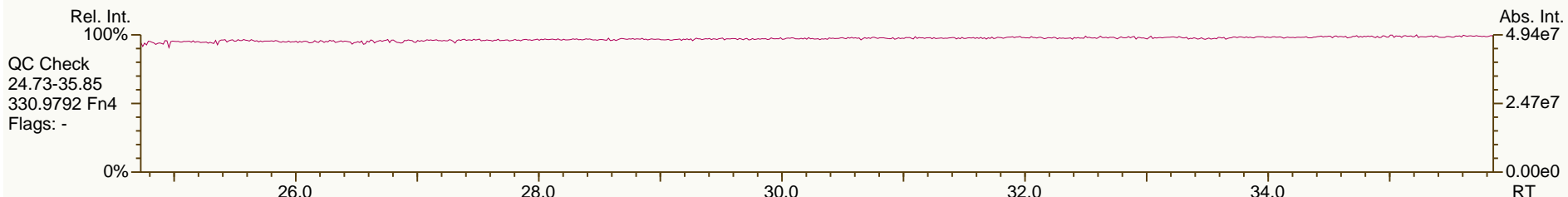
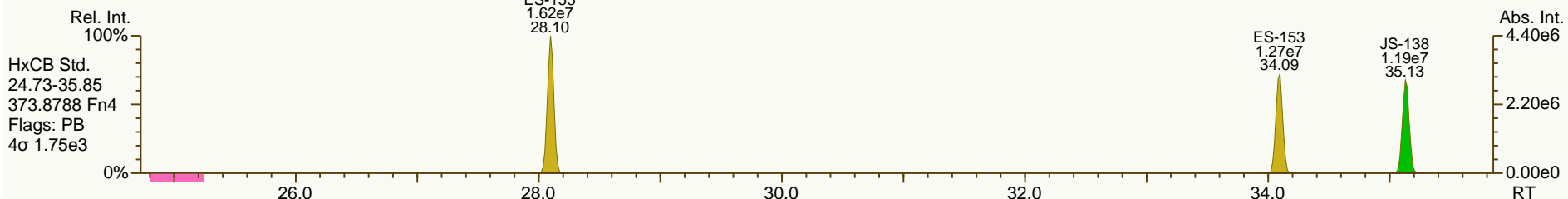
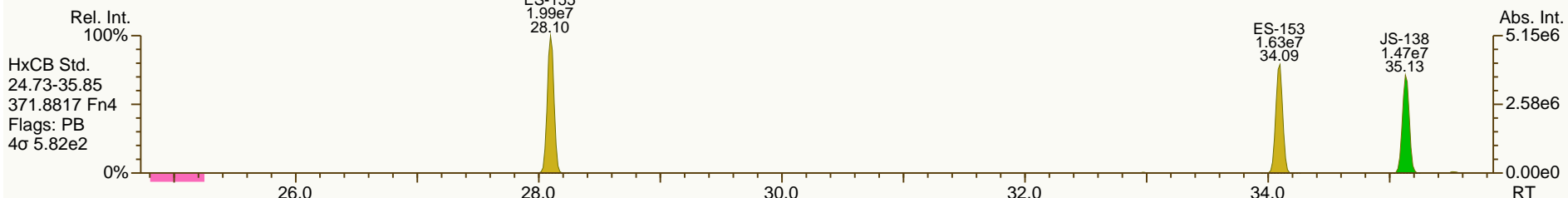
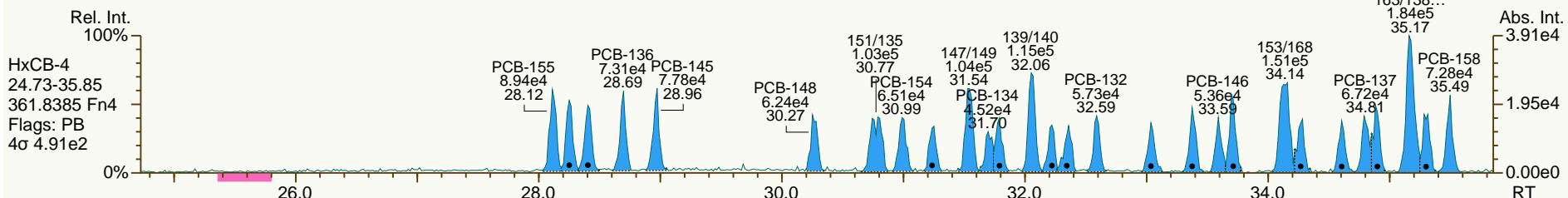
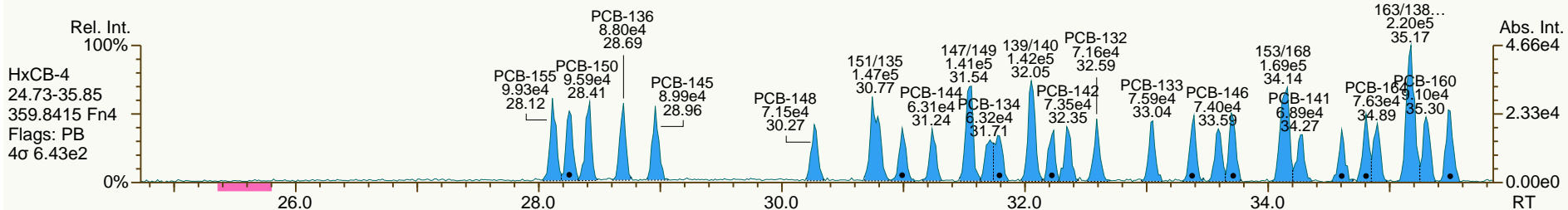
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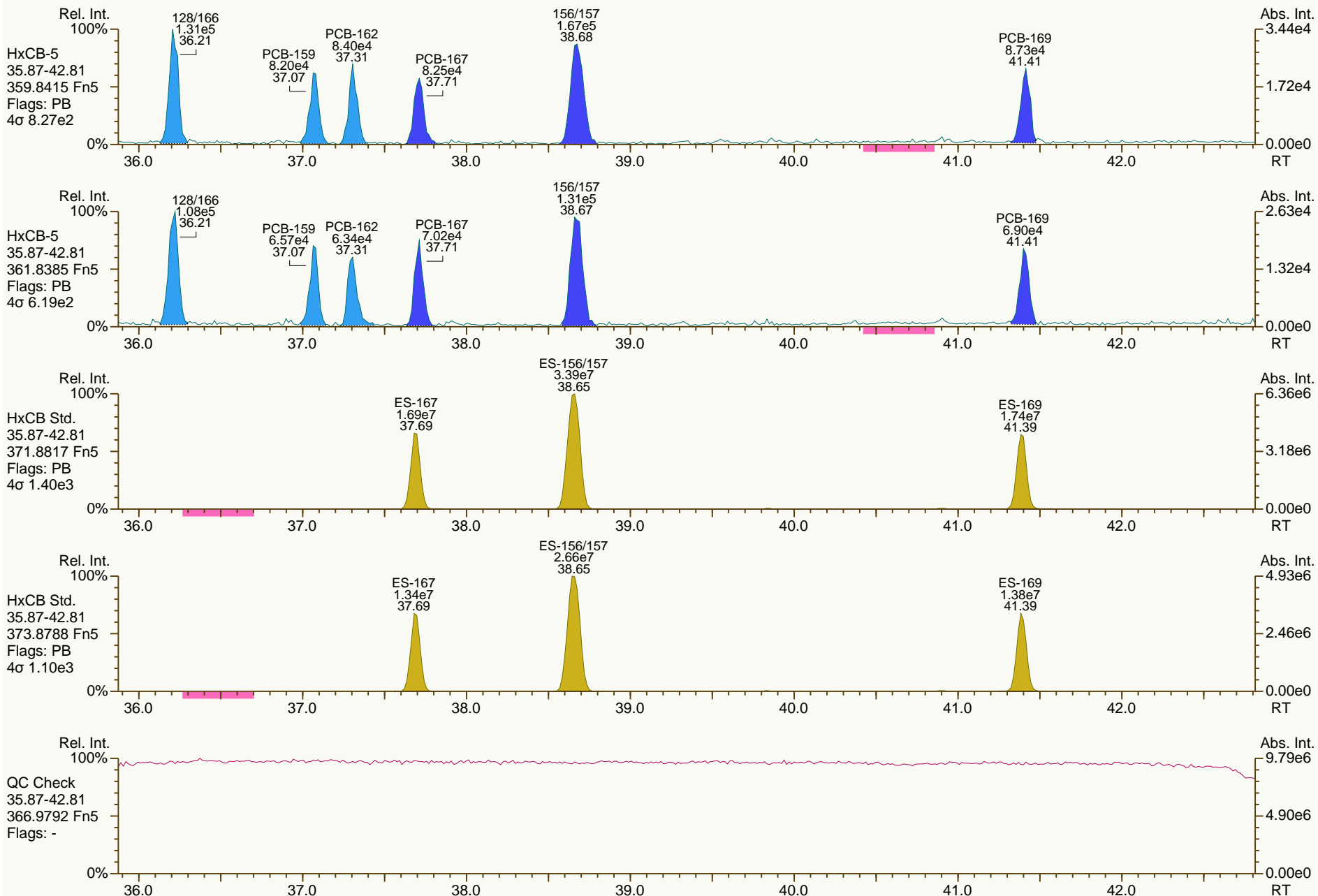
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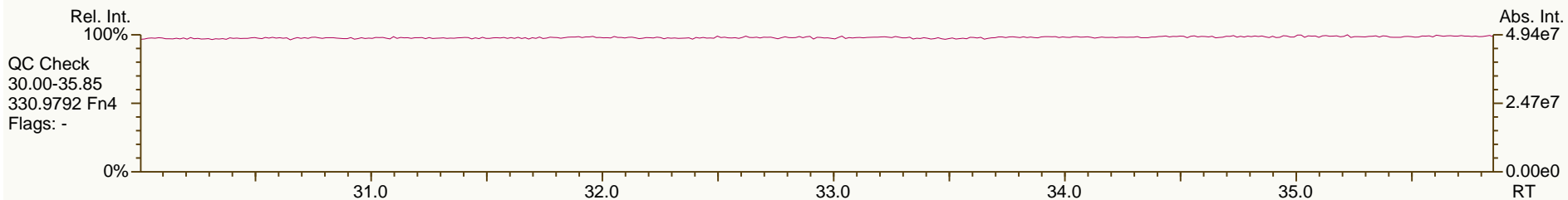
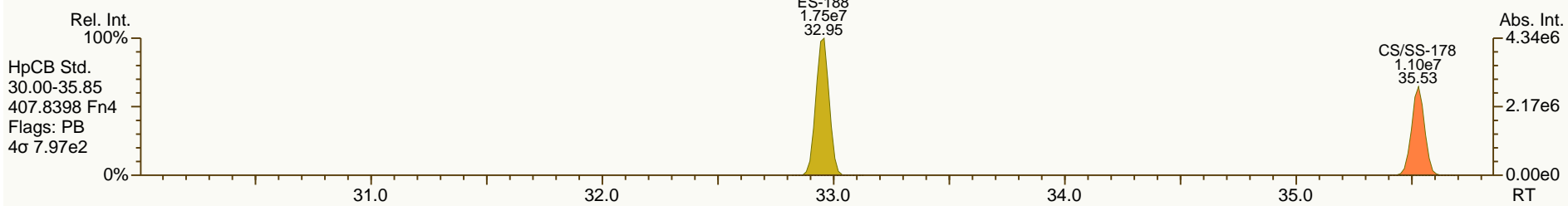
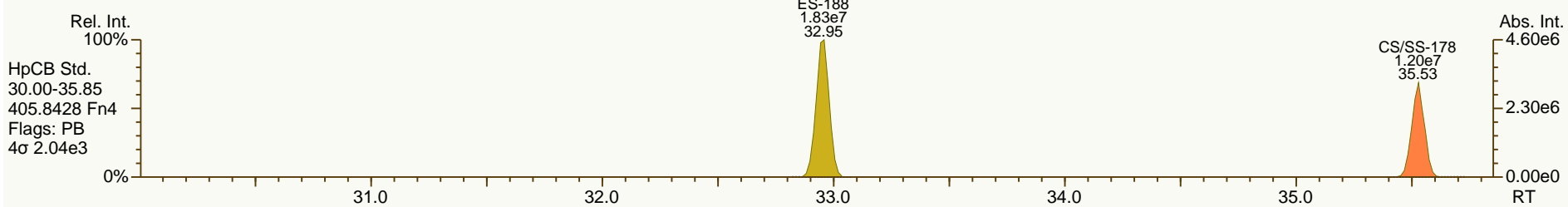
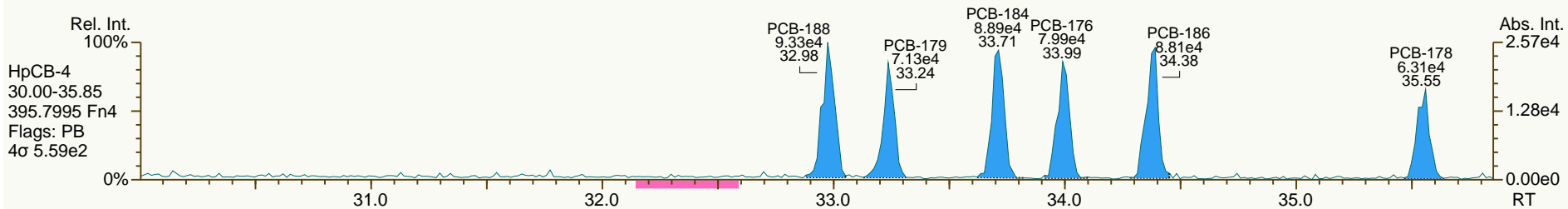
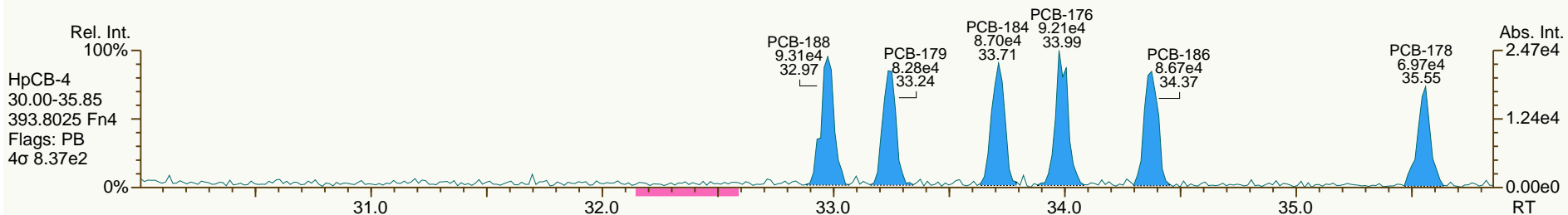
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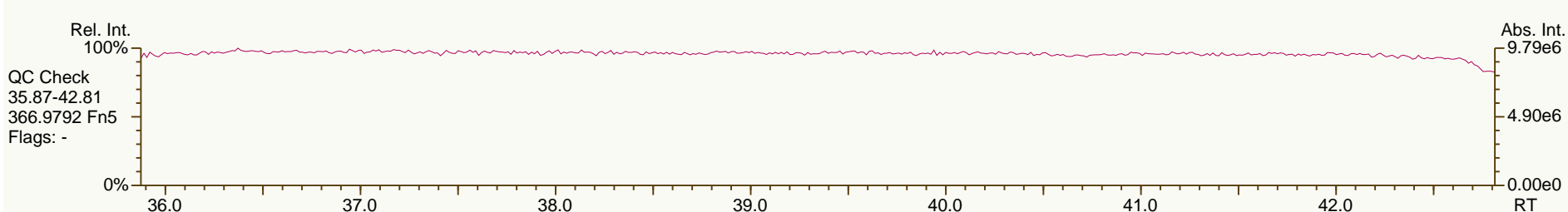
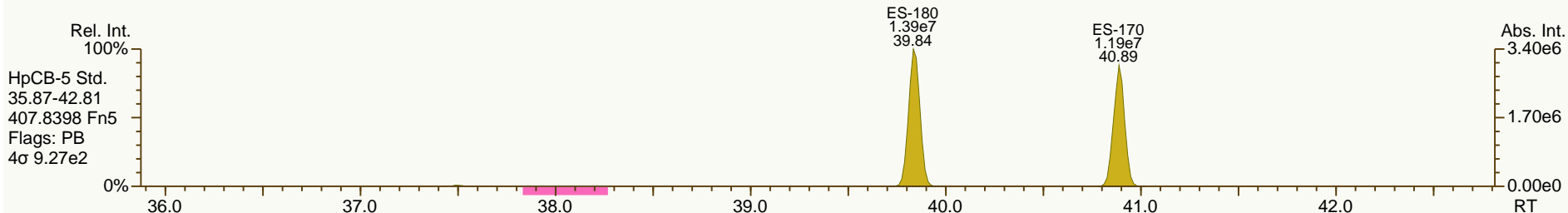
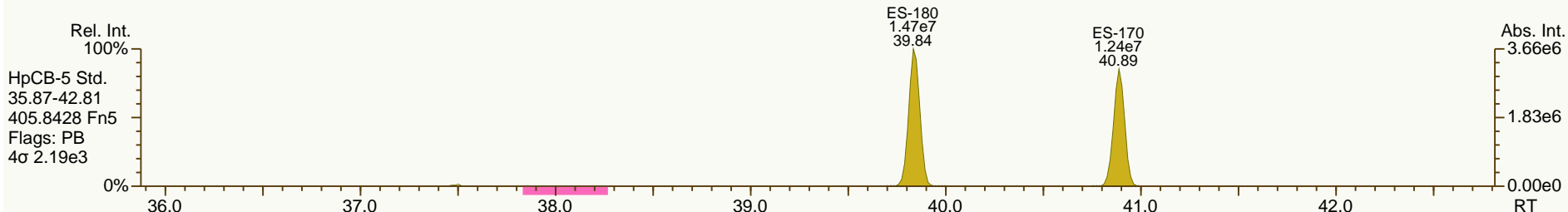
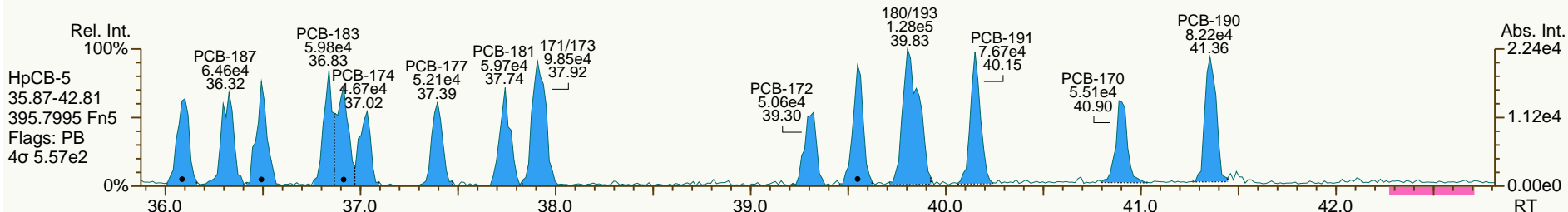
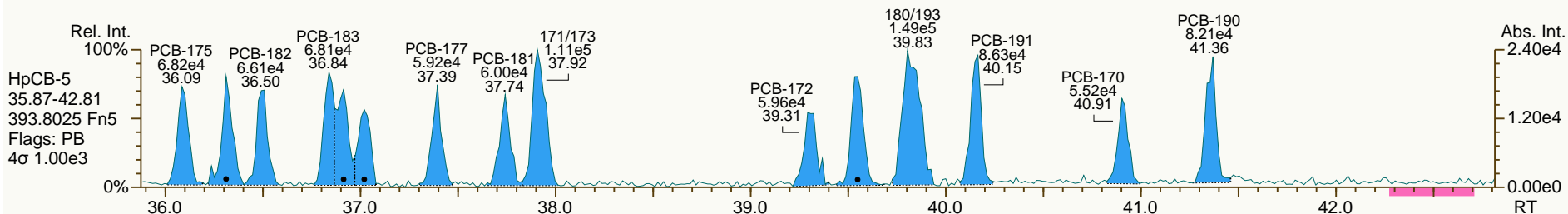
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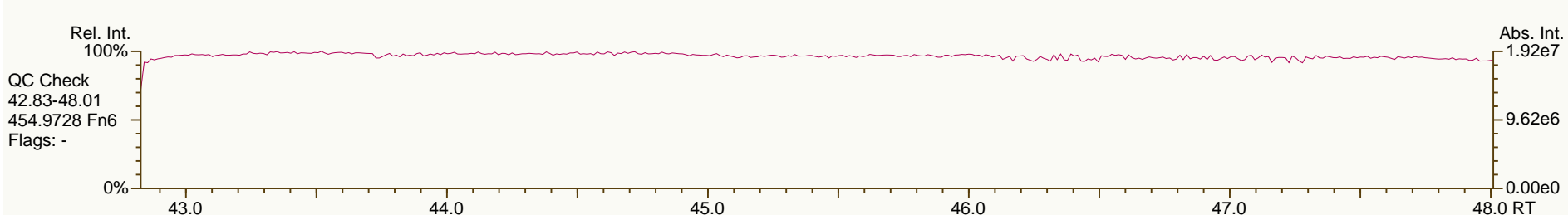
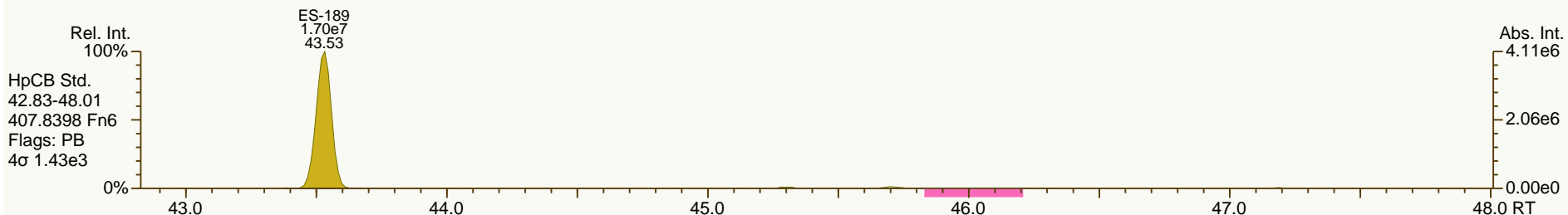
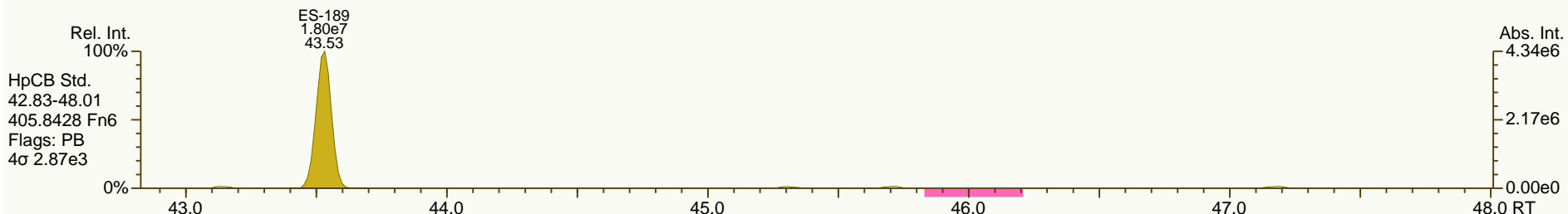
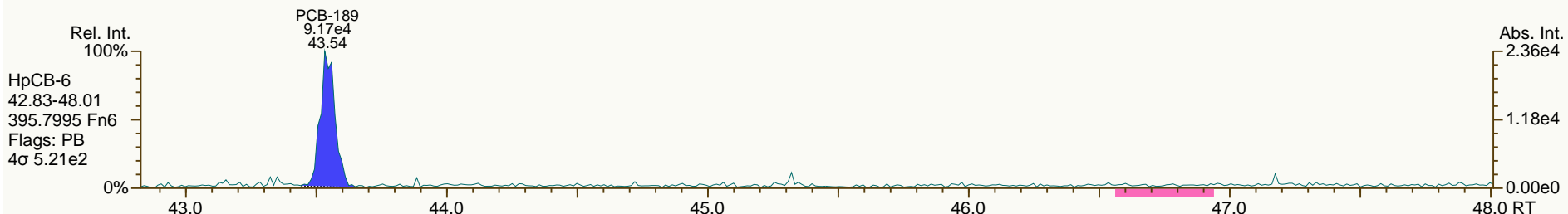
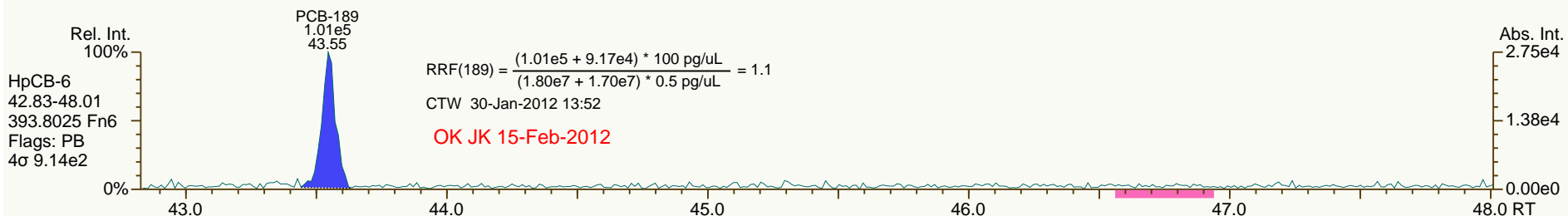
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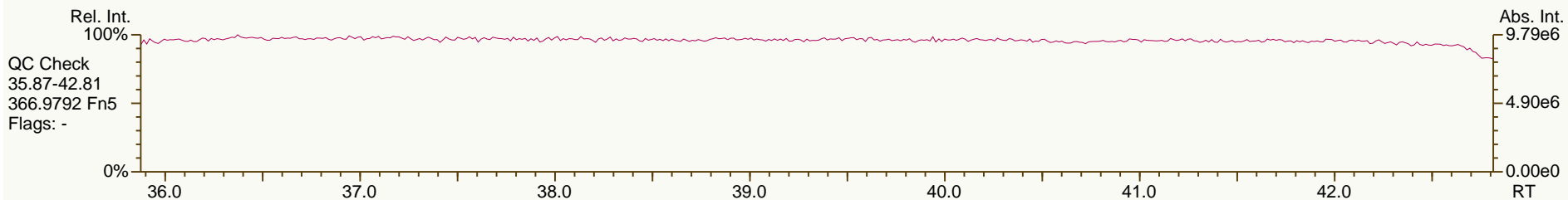
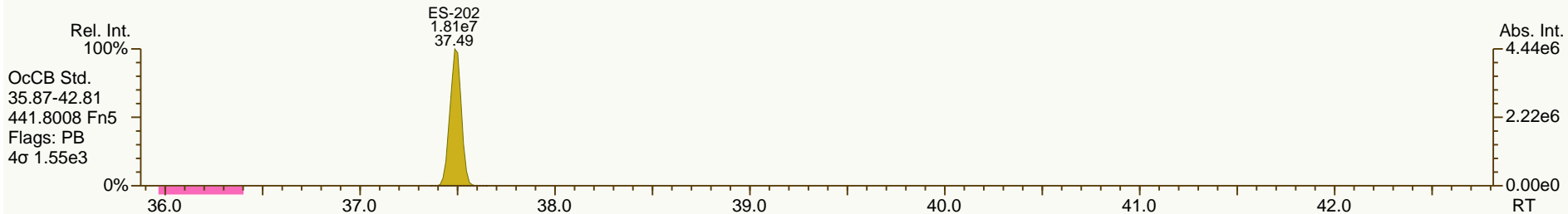
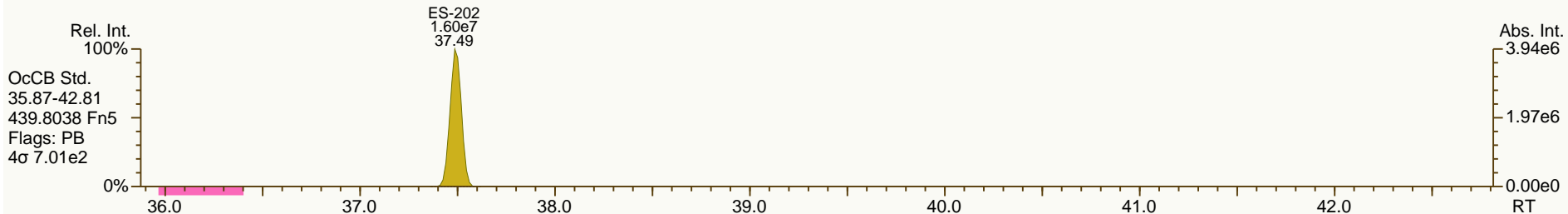
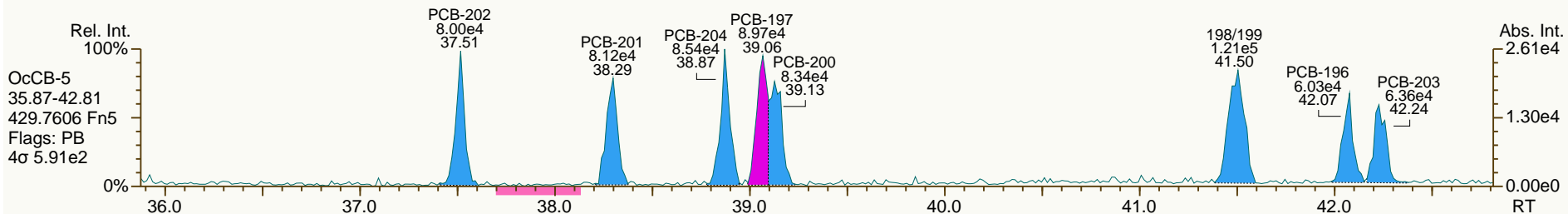
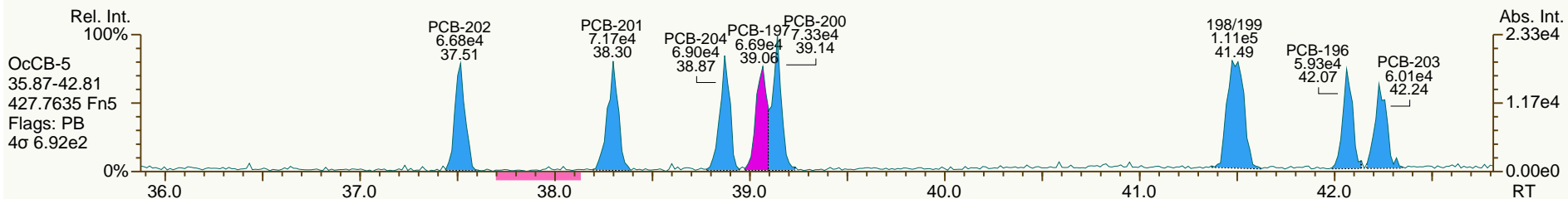
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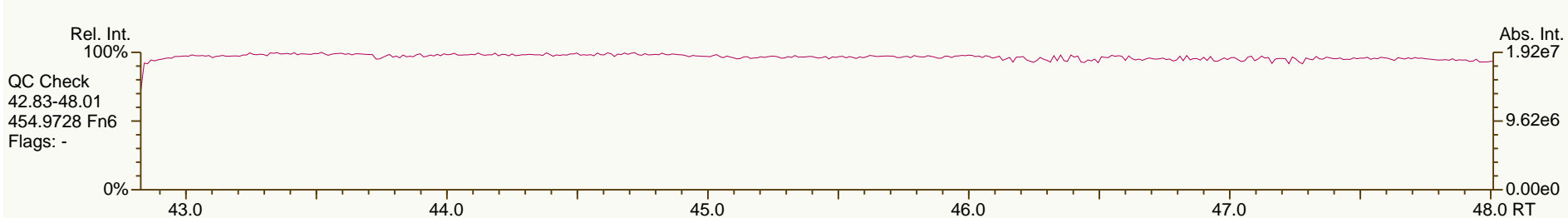
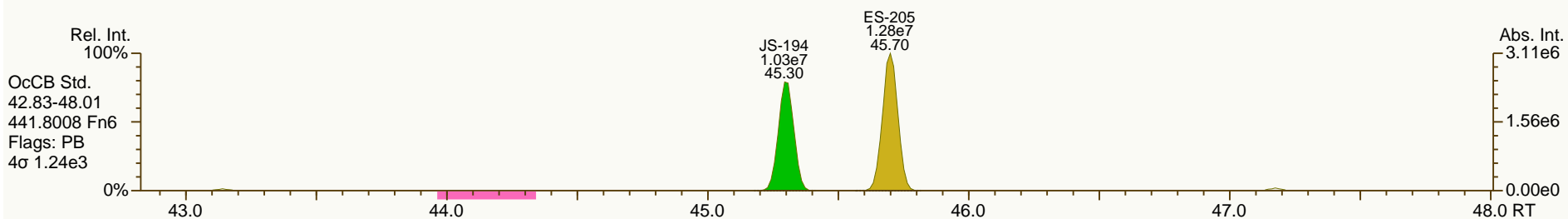
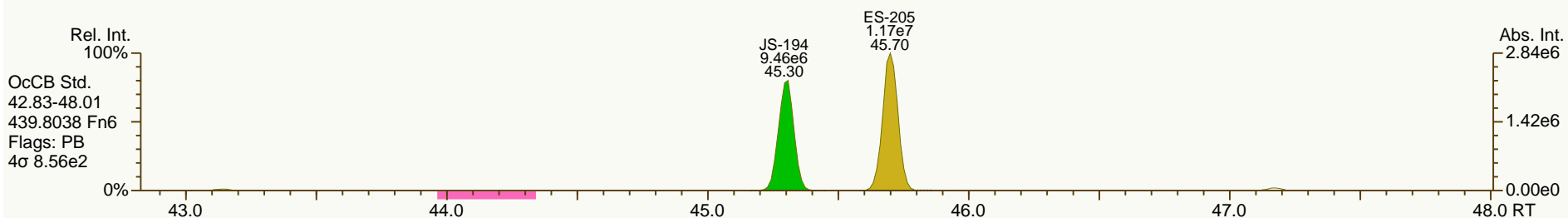
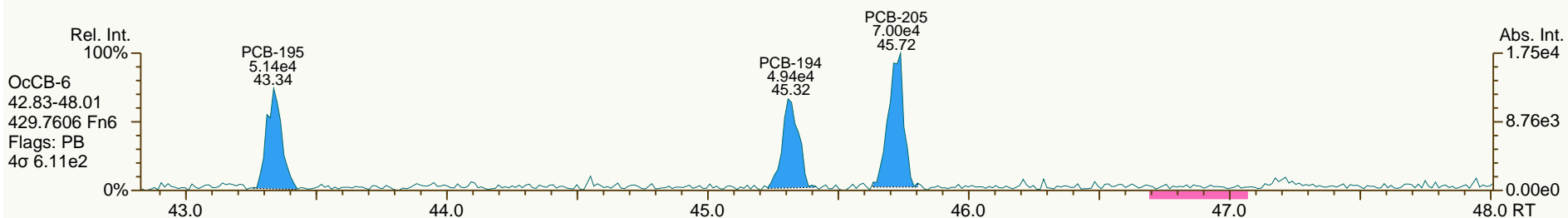
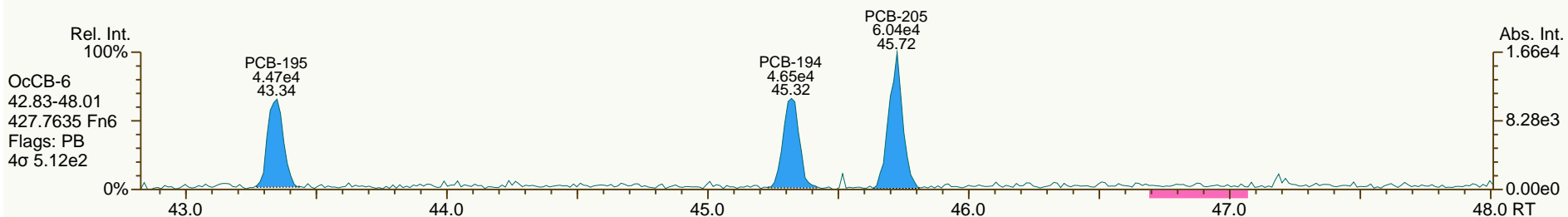
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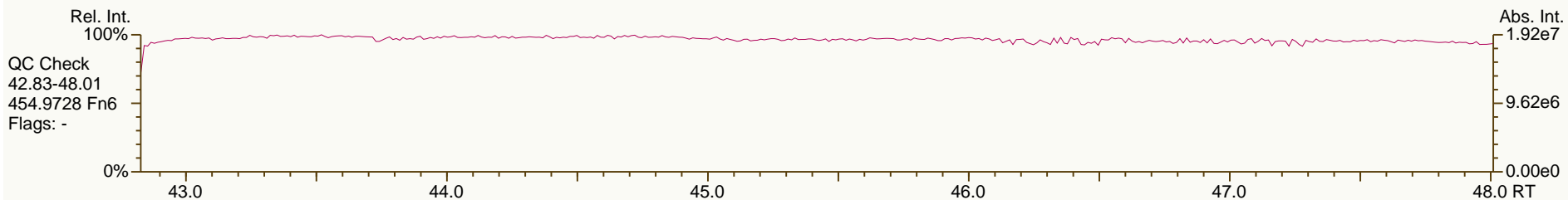
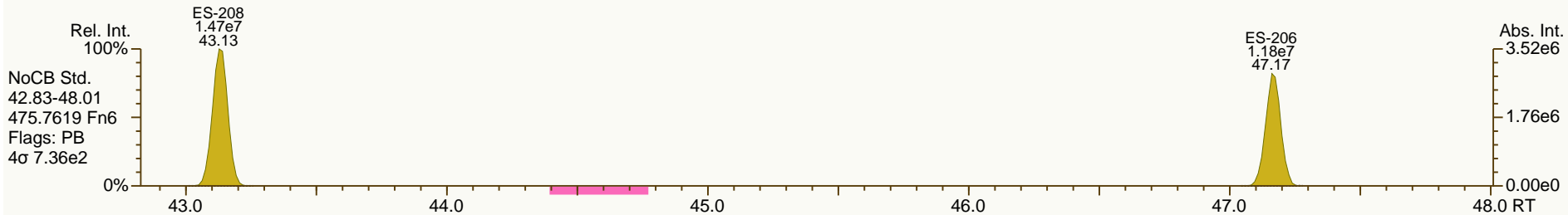
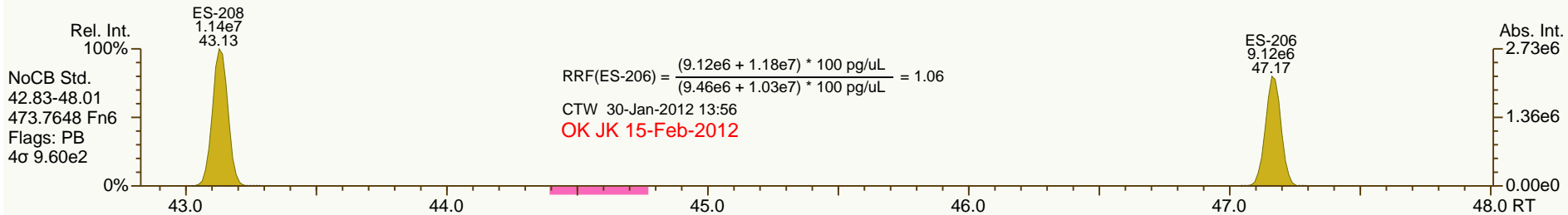
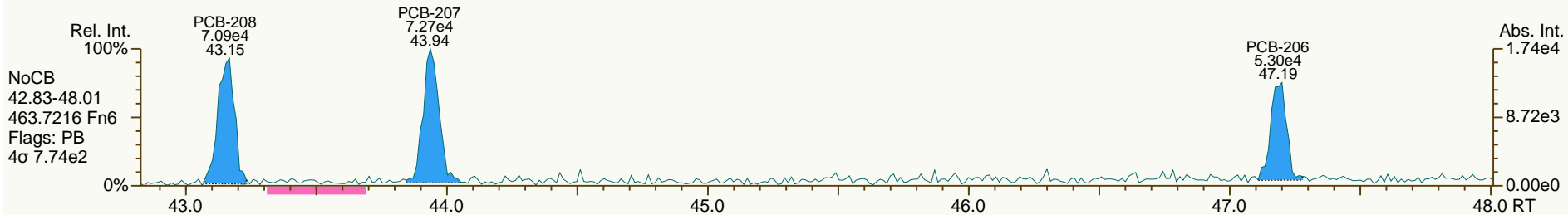
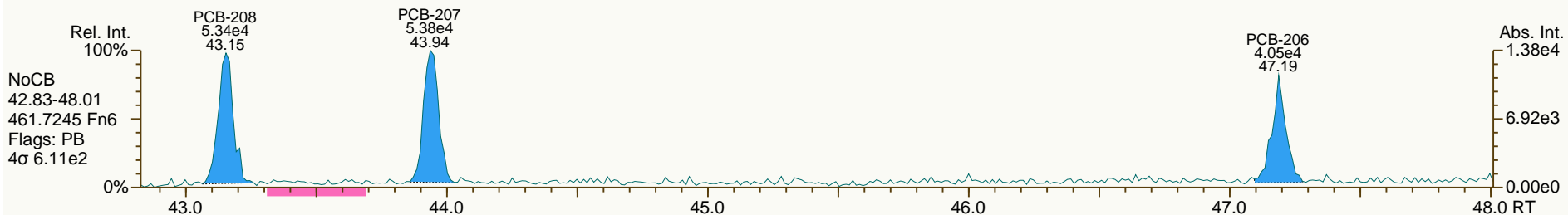
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

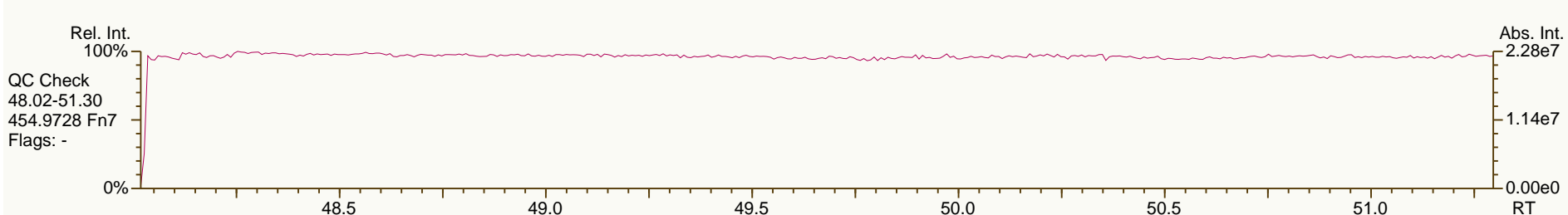
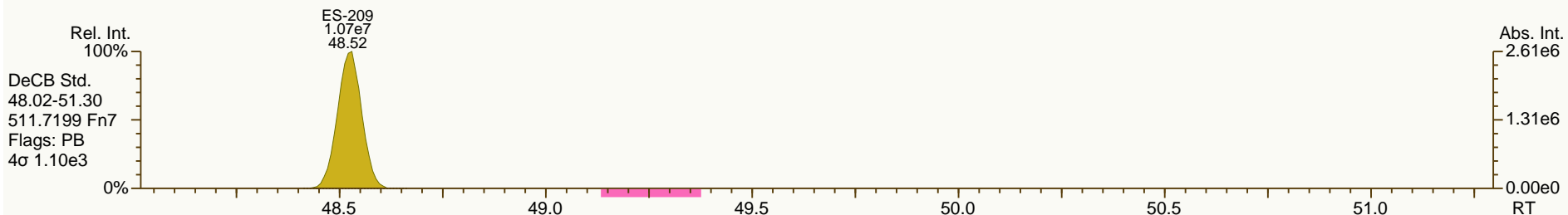
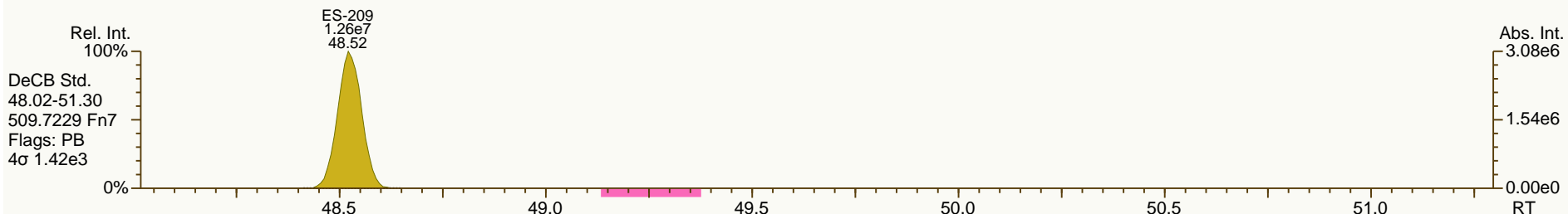
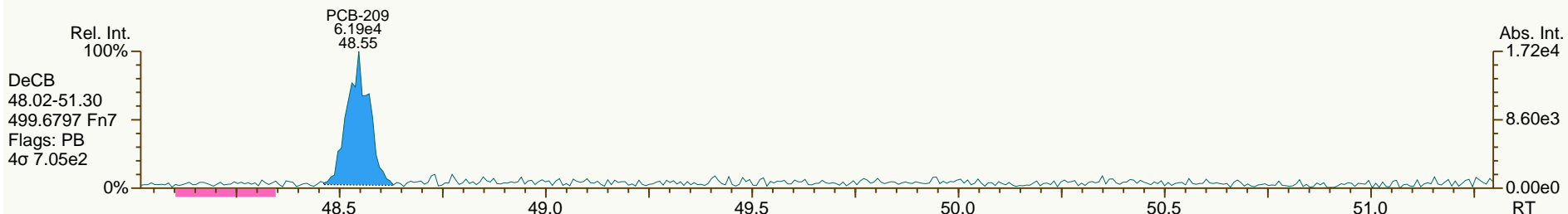
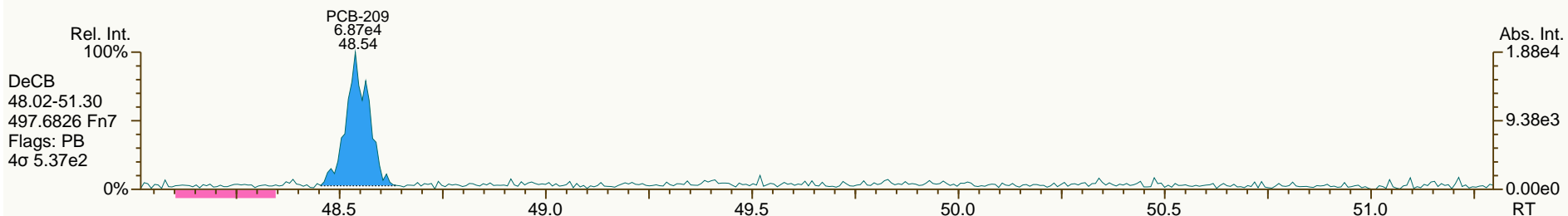
Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:04							
Datafile:	120126S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%		
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%		
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%		
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%		
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%		
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%		
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%		
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%		
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%		
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%		
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%		
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%		
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%		
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%		
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%		
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%		
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%		
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%		
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%		
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%		
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%		
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%		
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%		
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%		
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%		
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%		
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%		
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%		
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%		
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%		
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%		
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%		
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%		
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%		
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%		
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%		
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%		
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%		
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%		
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83	-1.1%	
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82	-5.0%	
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03	-5.6%	
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73	-5.2%	
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71	-1.5%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78	-4.6%	
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11	-5.2%	
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16	-7.1%	
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35	-0.6%	
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17	-4.6%	
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18	-5.8%	
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26	-1.4%	
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29	-3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16	-6.7%	
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17	-1.8%	
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16	-4.4%	
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13	-3.9%	
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15	-7.2%	
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32	-3.5%	
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26	-7.9%	
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15	-3.6%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77	-5.2%	
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71	-7.9%	
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69	-3.6%	
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70	-5.4%	
PCB-100/93 22'44'6'-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70	-6.8%	
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82	9.1%	
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53	-25.3%	
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67	0.4%	
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78	-7.6%	
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57	-12.5%	
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69	0.0%	
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96	-2.7%	
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71	-0.2%	
PCB-113/90/101 233'5'6'-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78	-3.3%	
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62	-0.4%	
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78	1.6%	
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95	-1.3%	
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77	-6.2%	
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92	-2.2%	
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77	-4.2%	
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87	-5.0%	

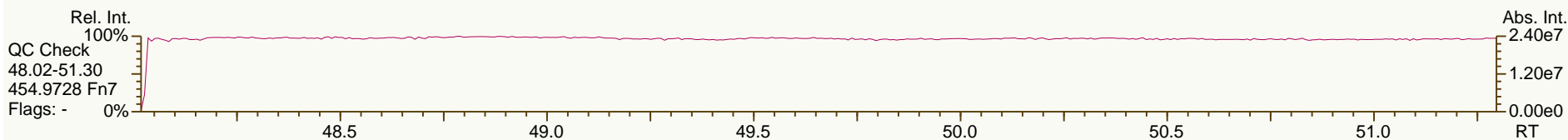
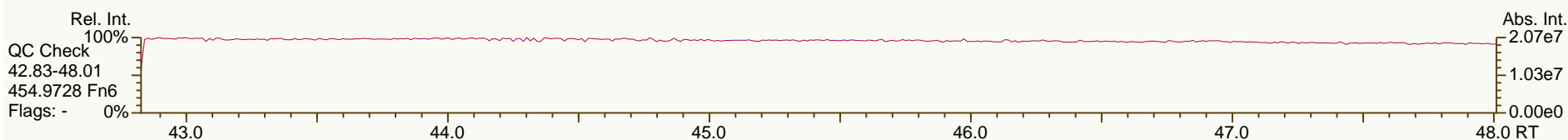
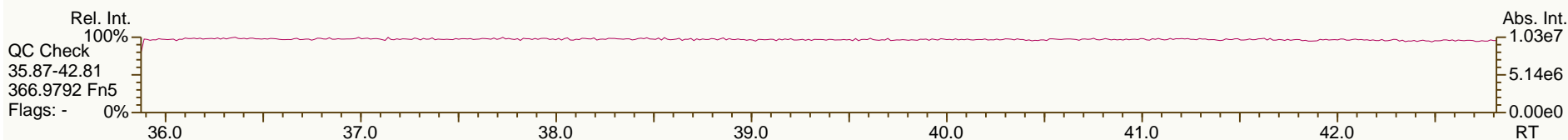
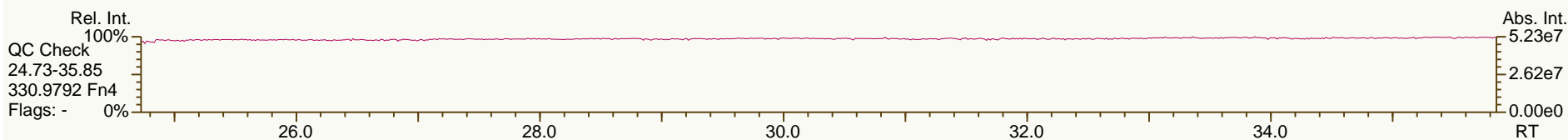
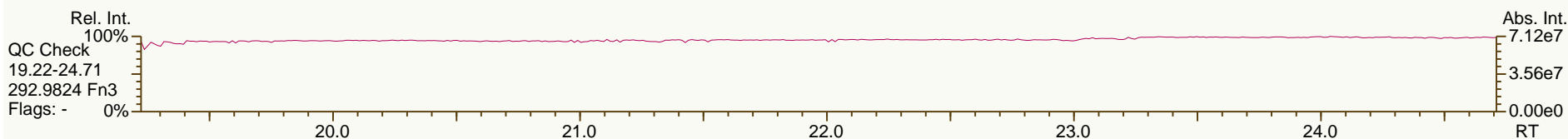
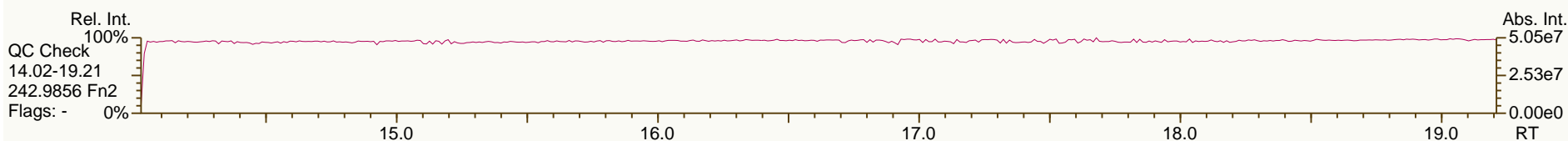
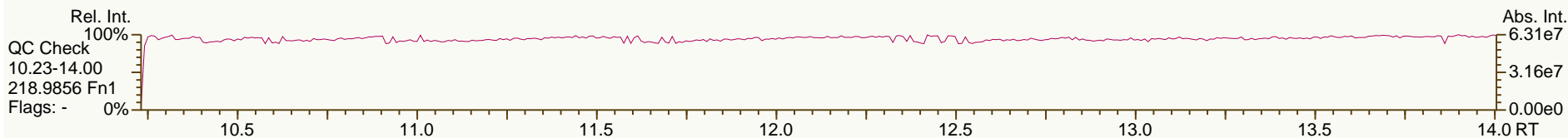
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

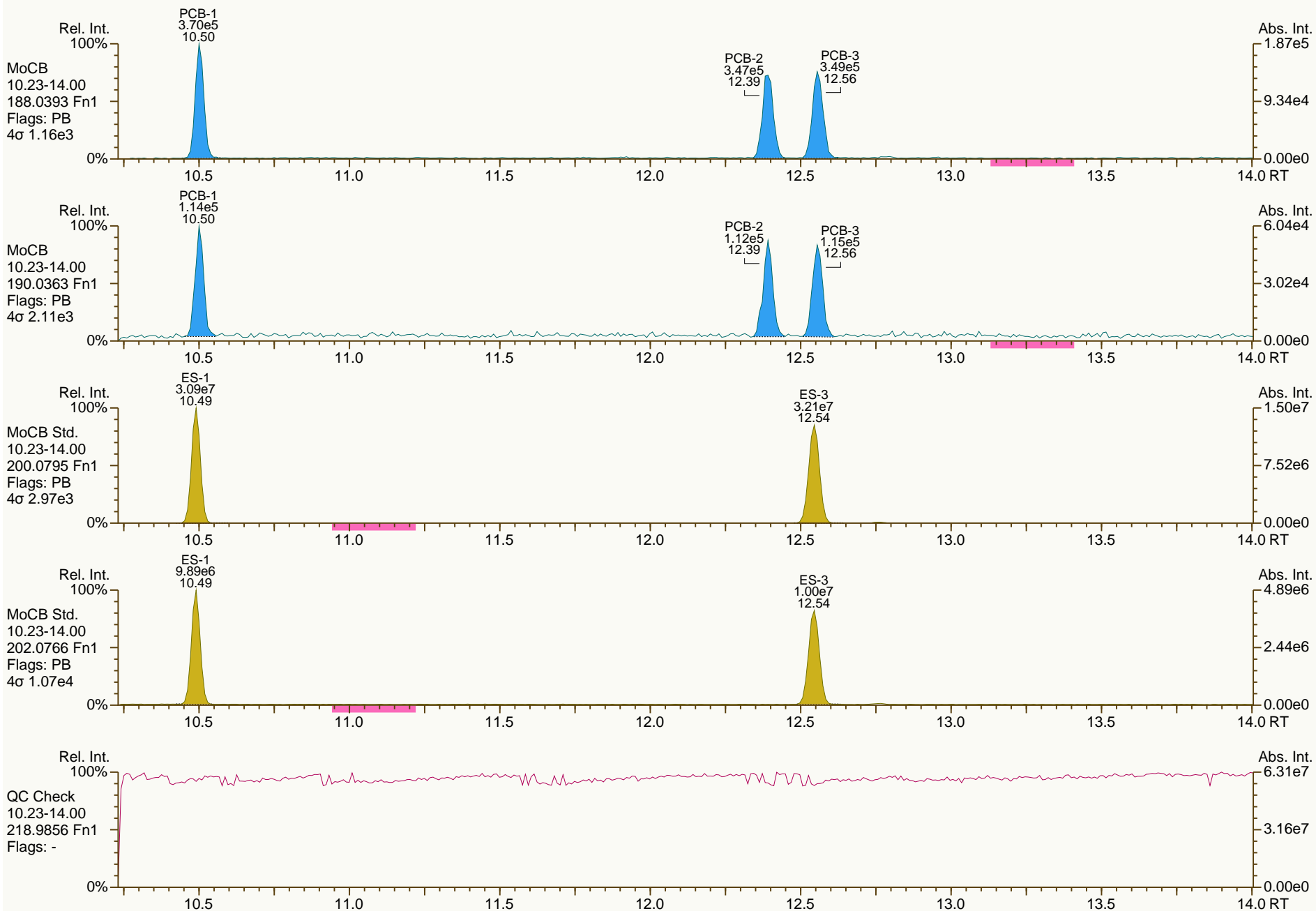
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User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

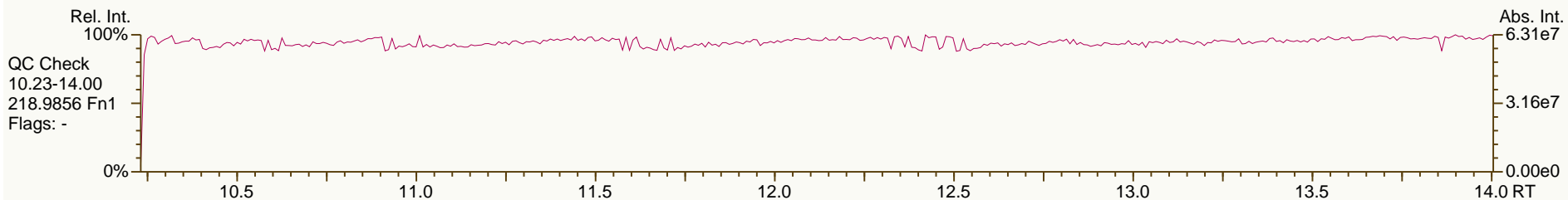
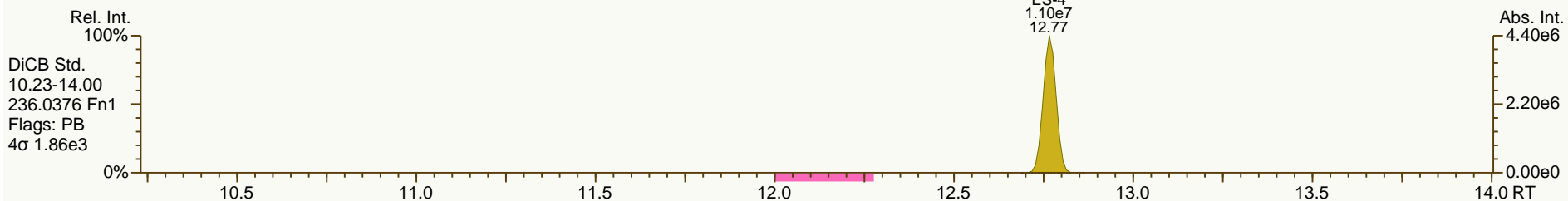
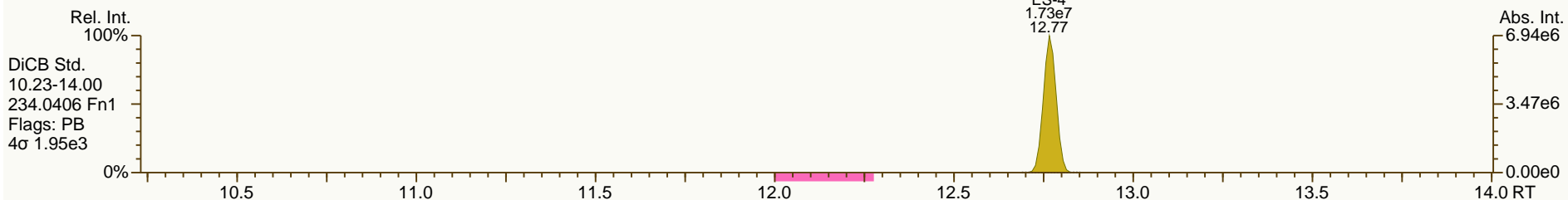
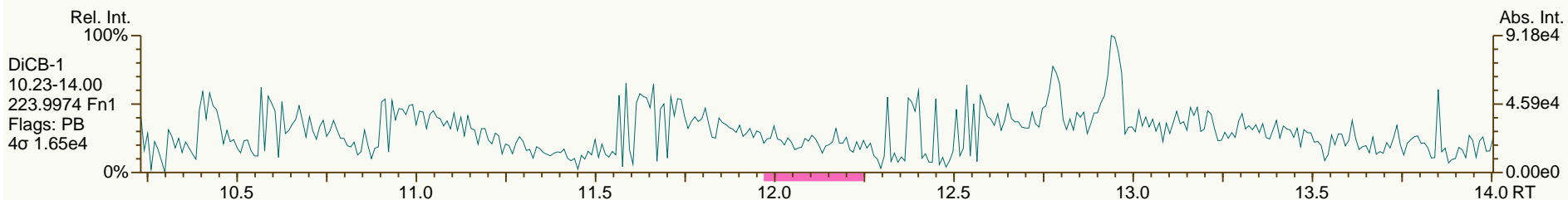
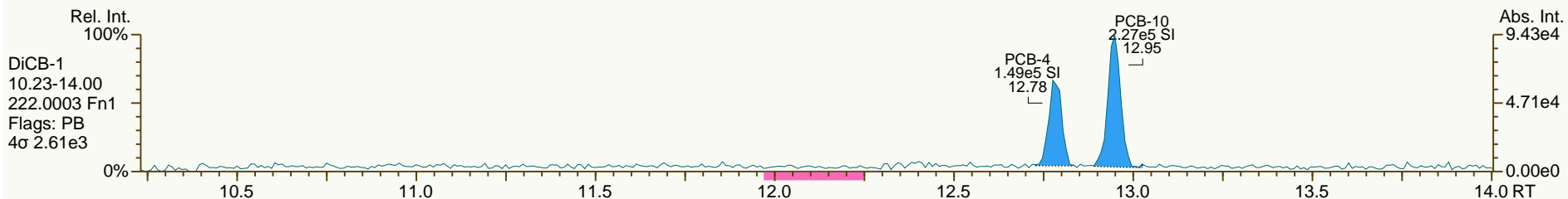
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

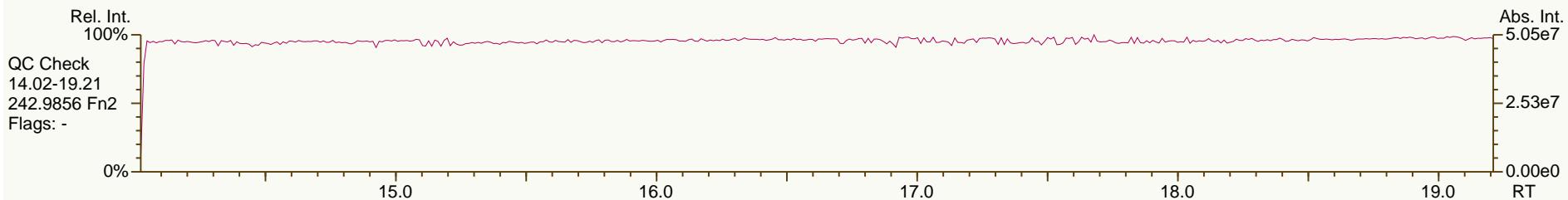
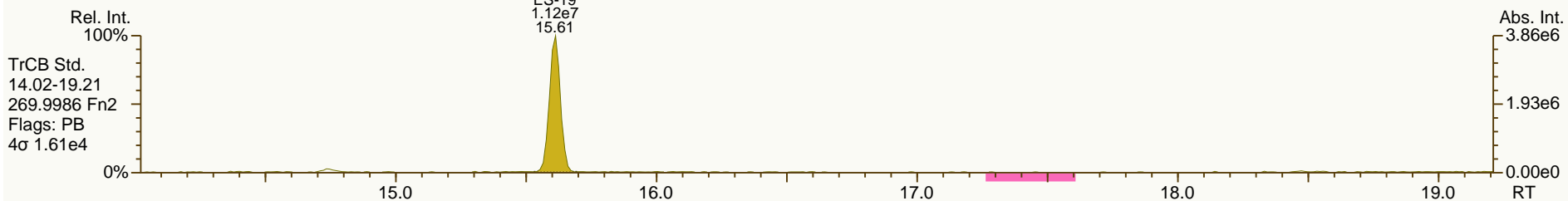
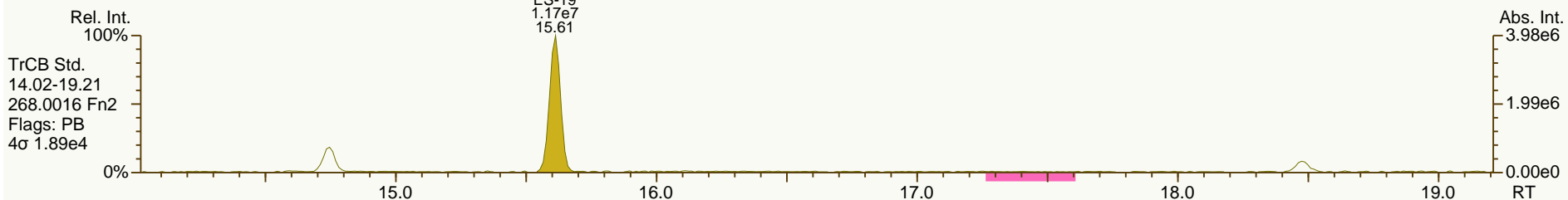
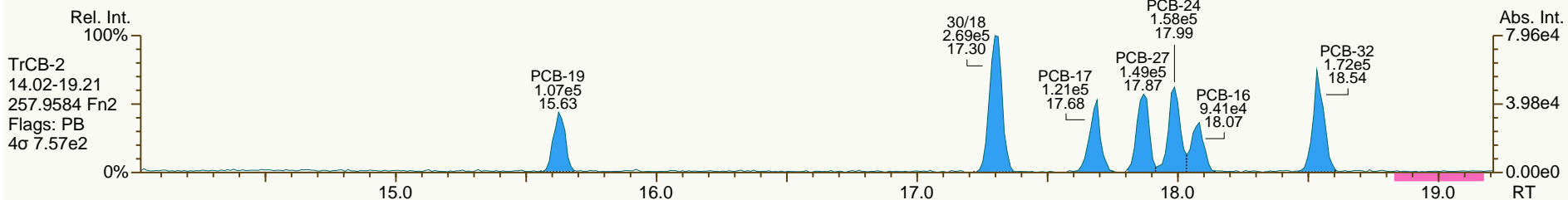
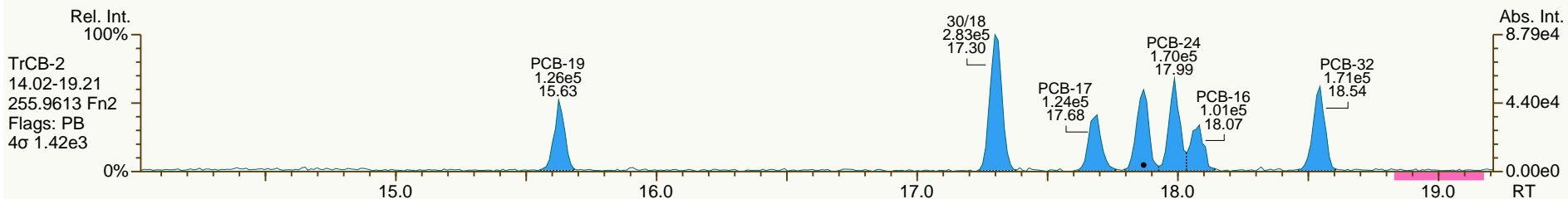
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

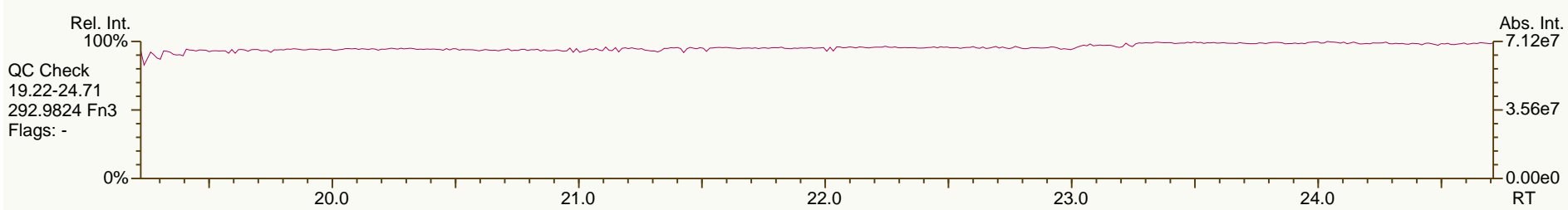
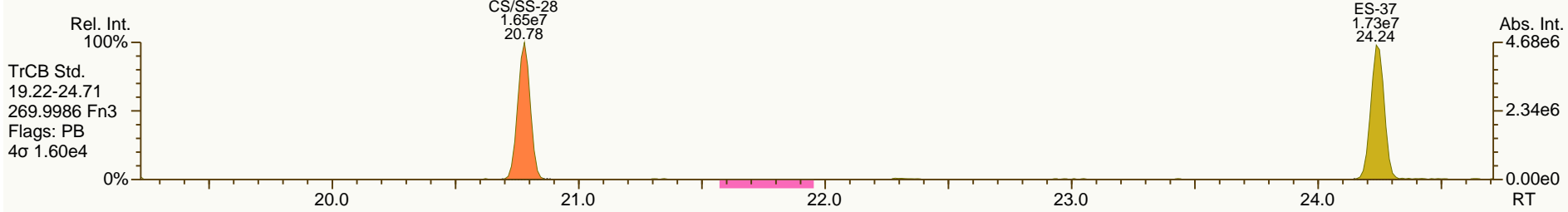
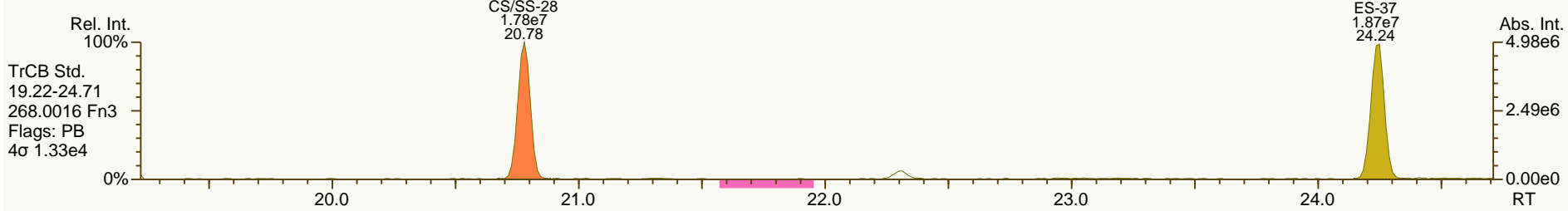
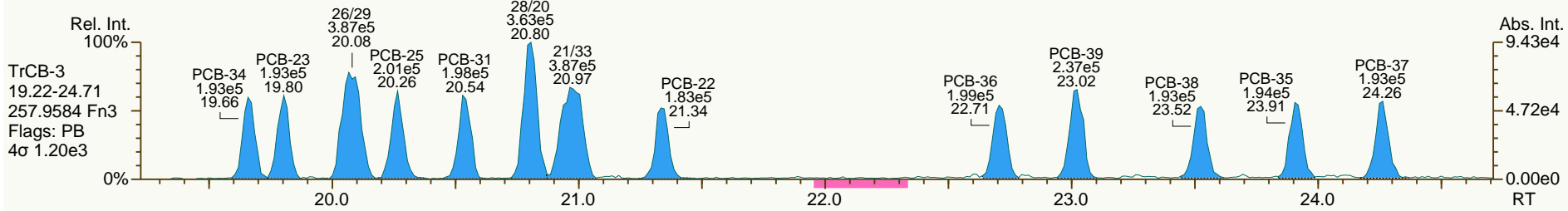
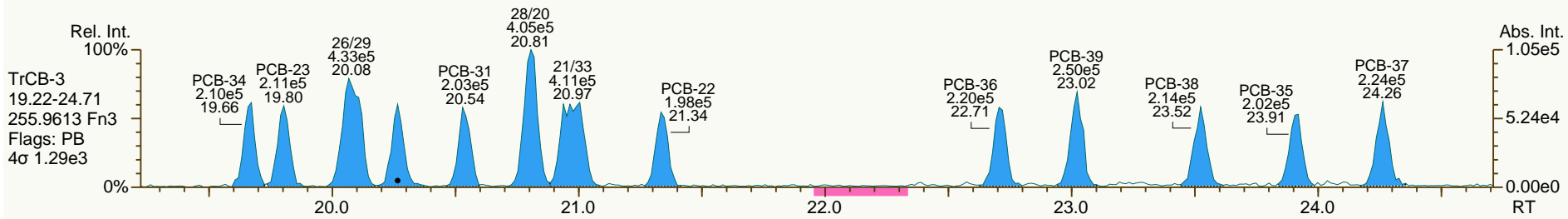
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

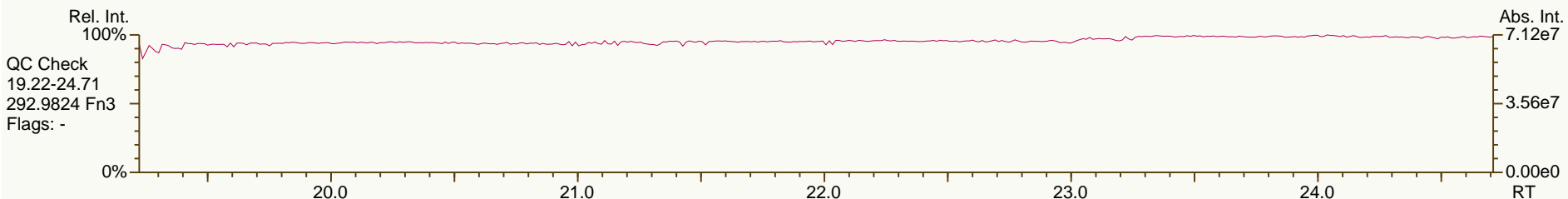
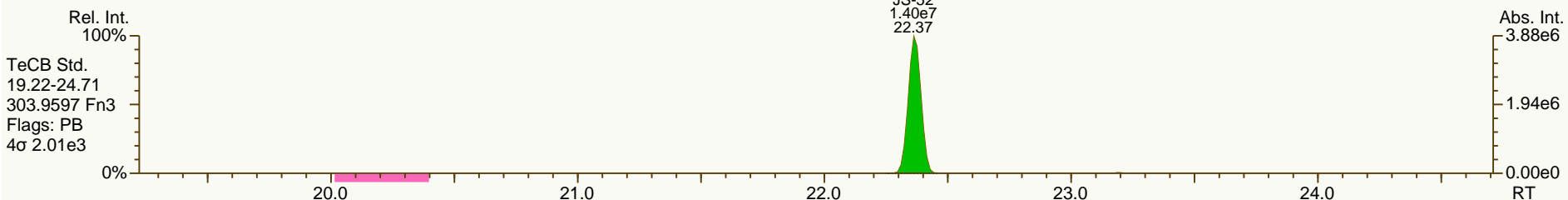
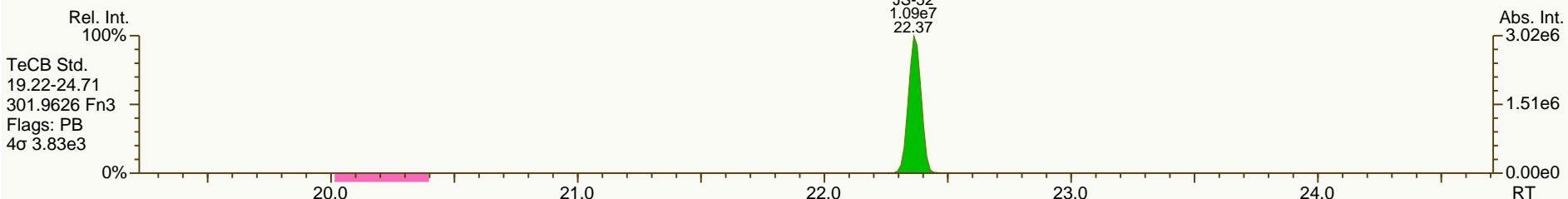
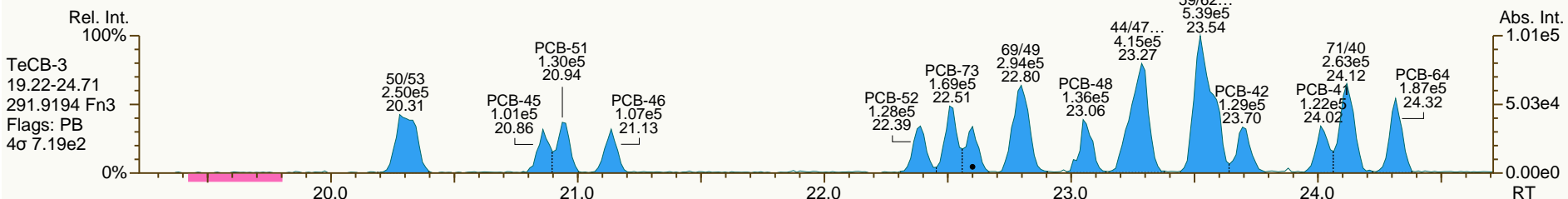
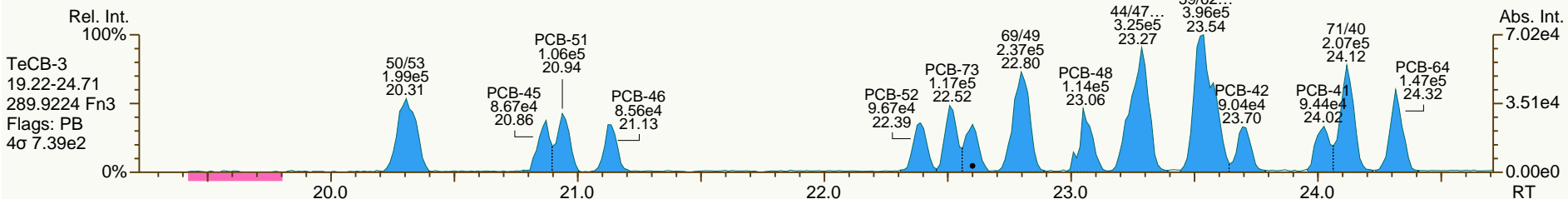
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

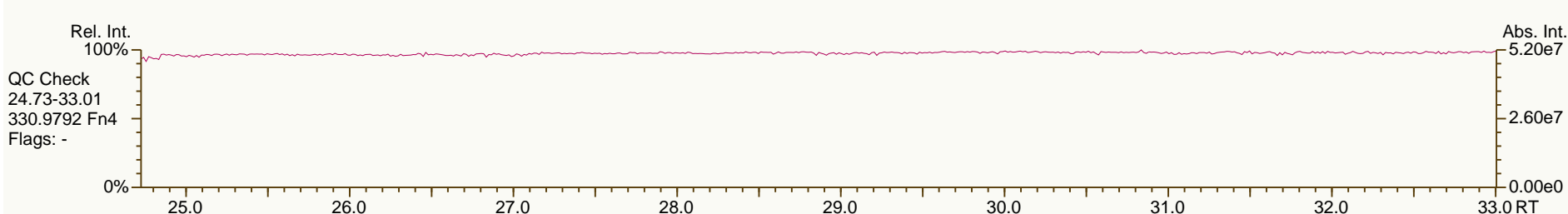
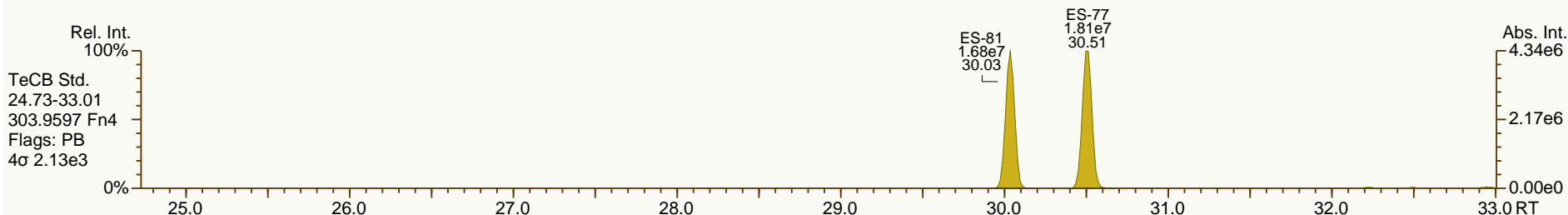
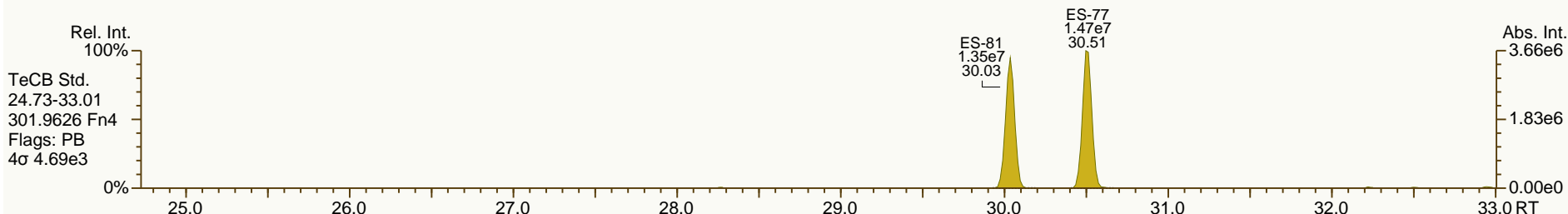
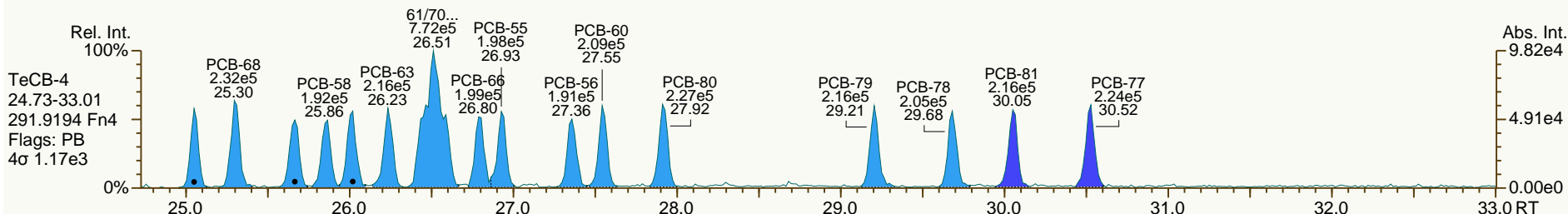
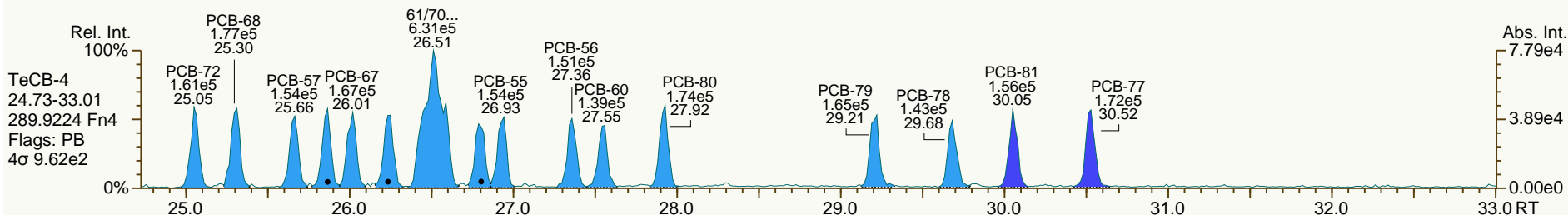
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

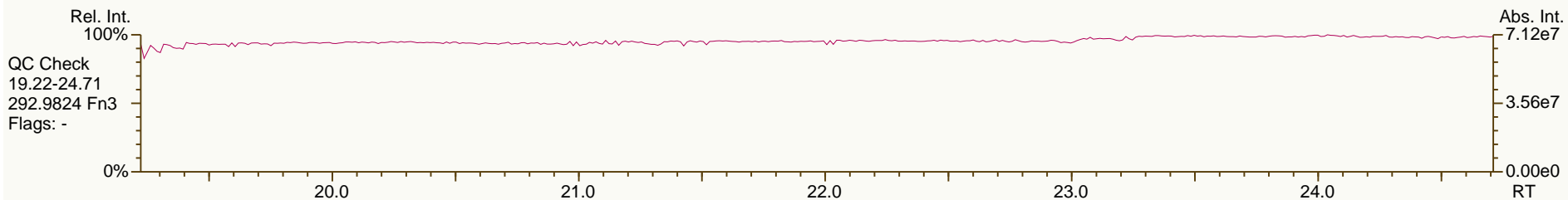
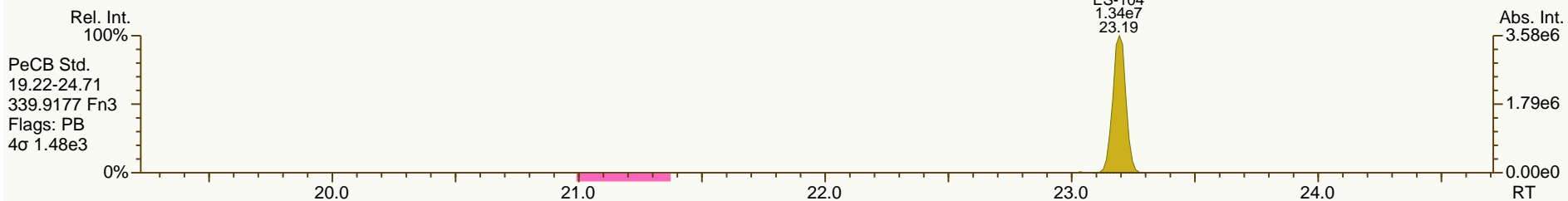
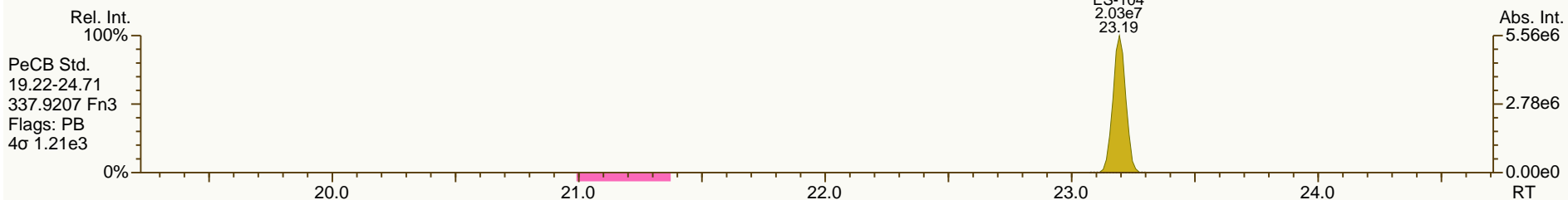
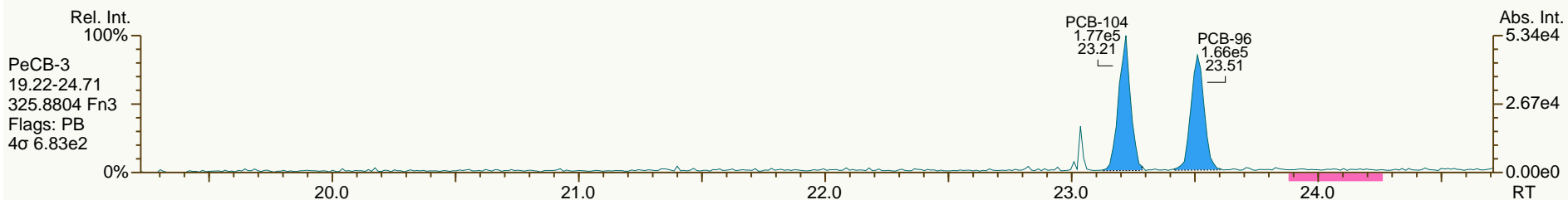
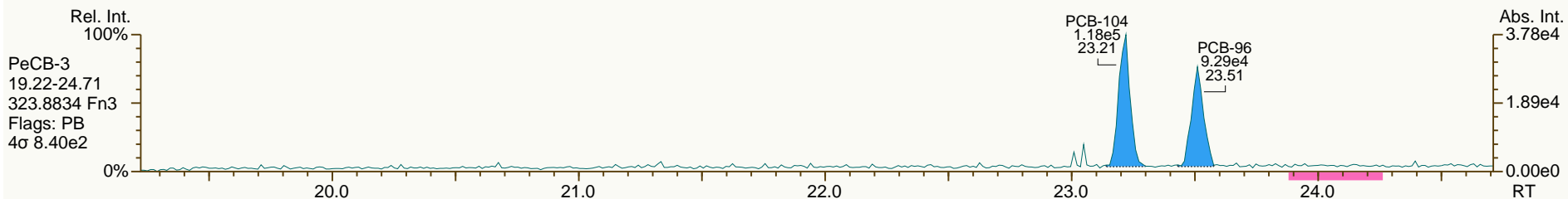
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

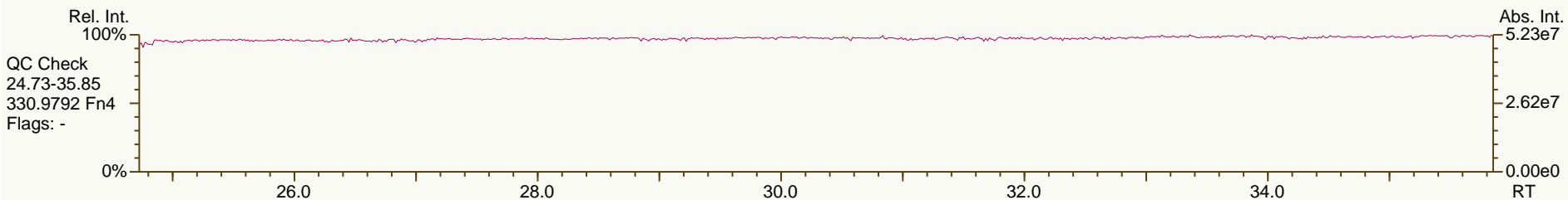
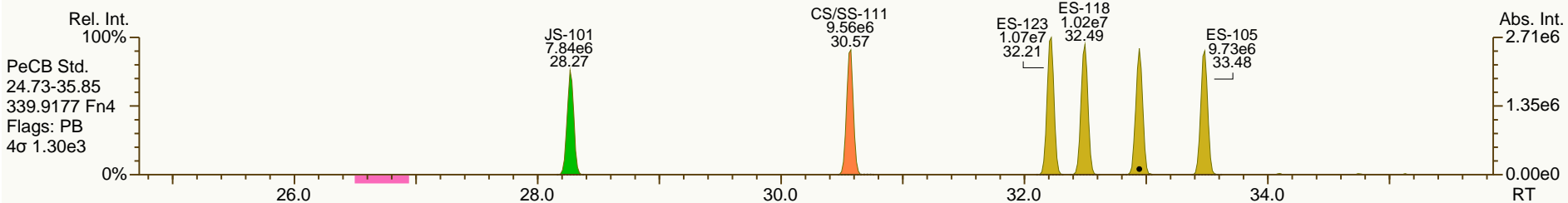
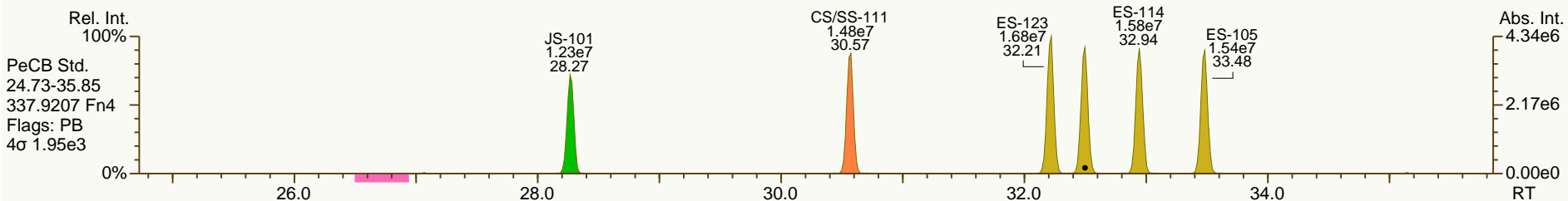
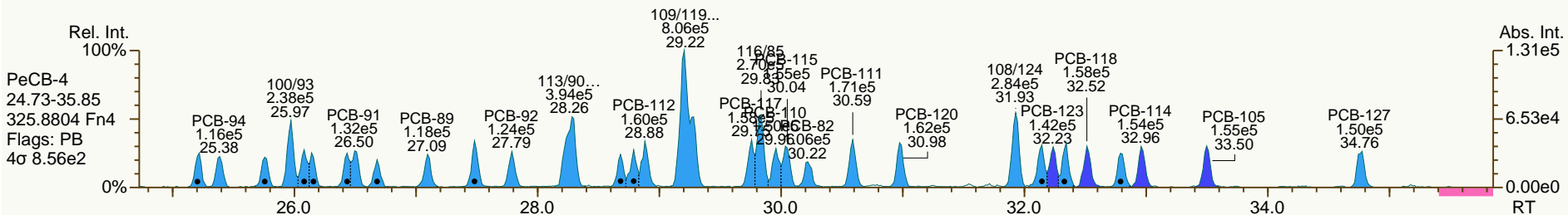
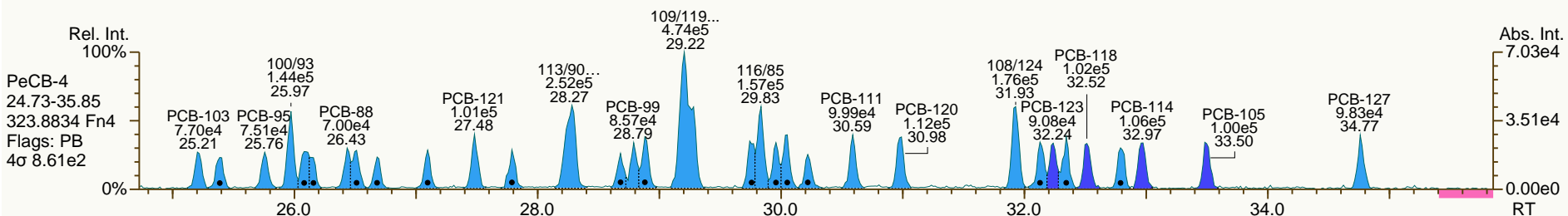
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

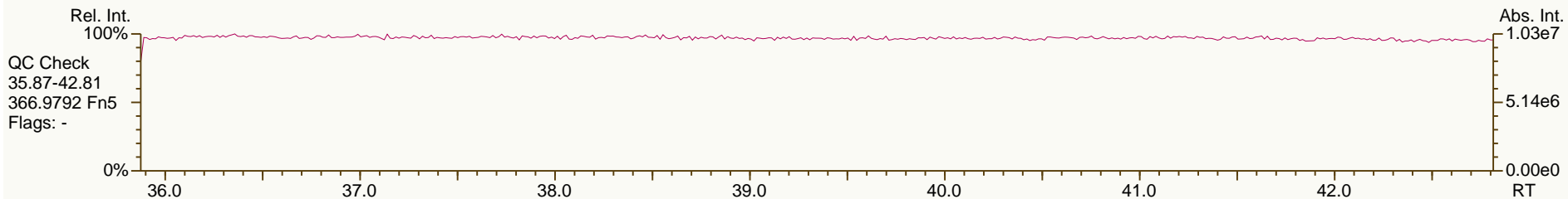
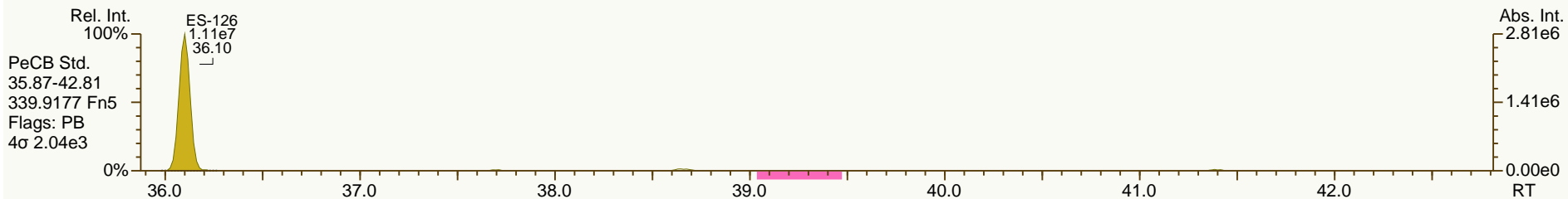
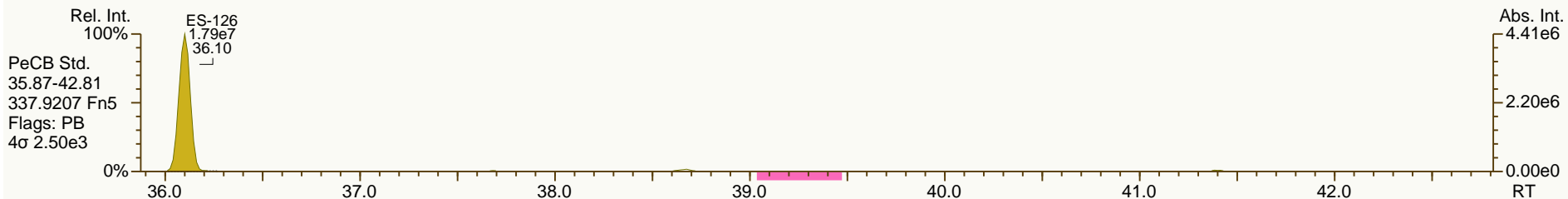
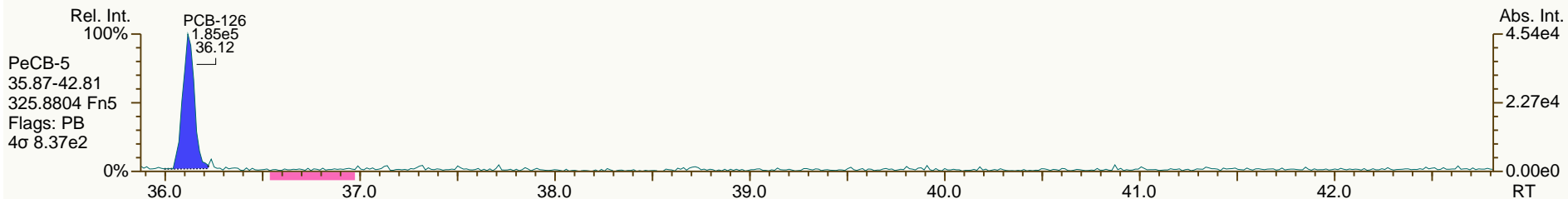
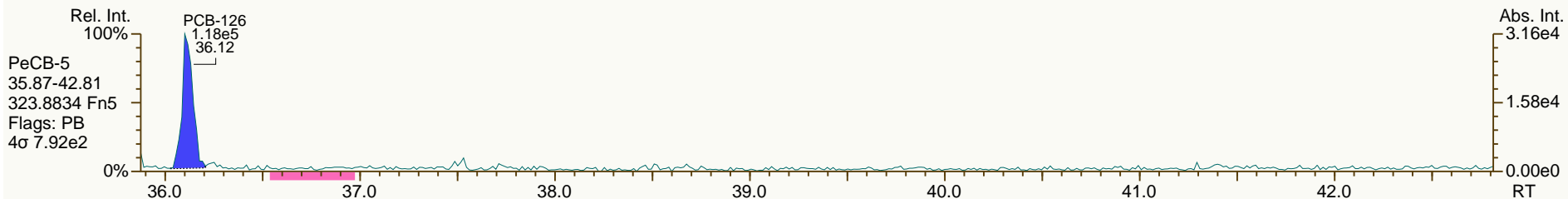
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

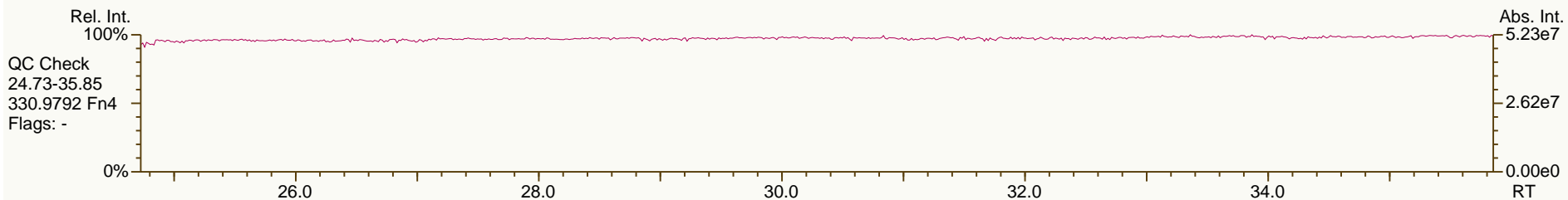
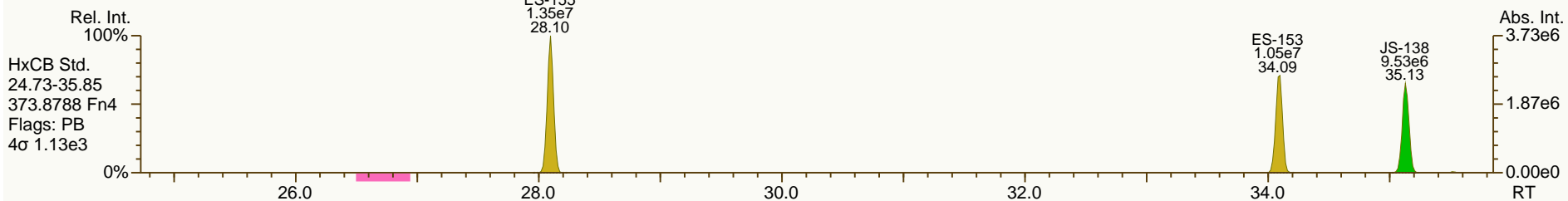
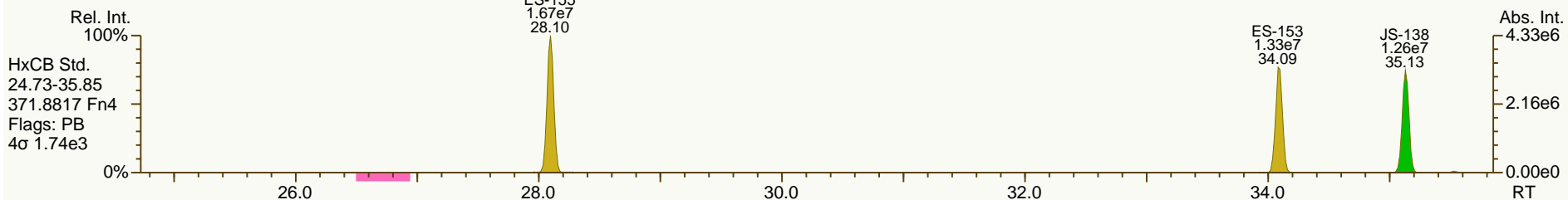
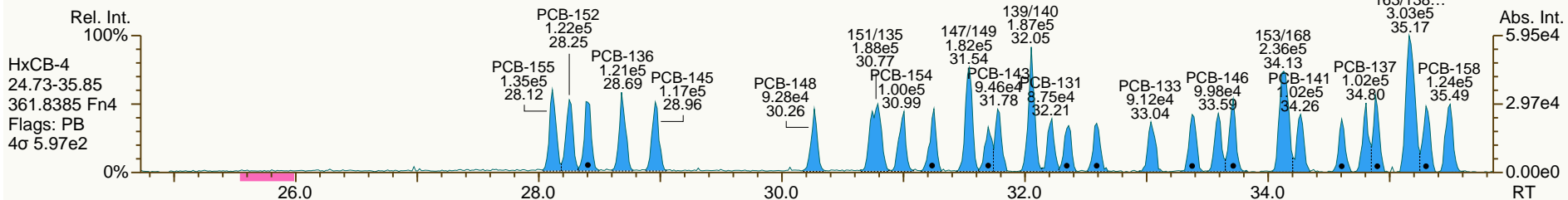
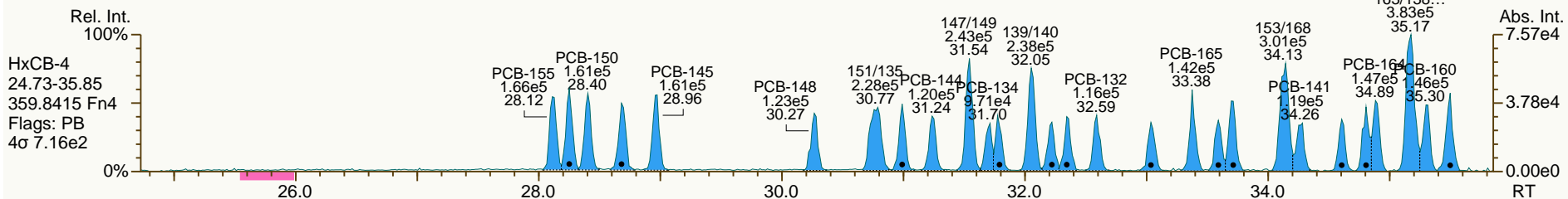
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

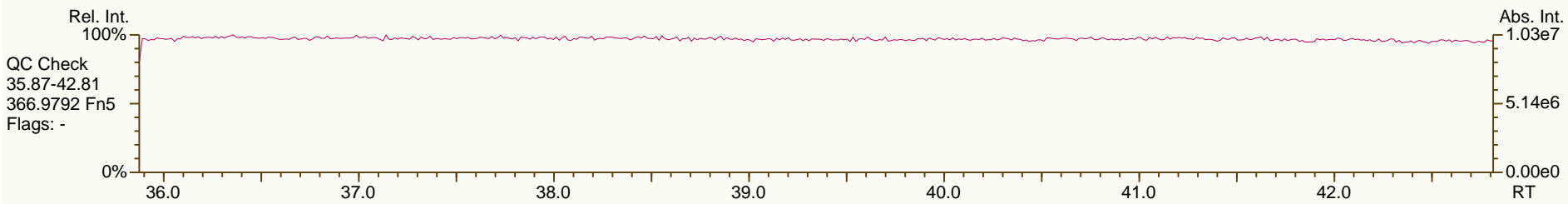
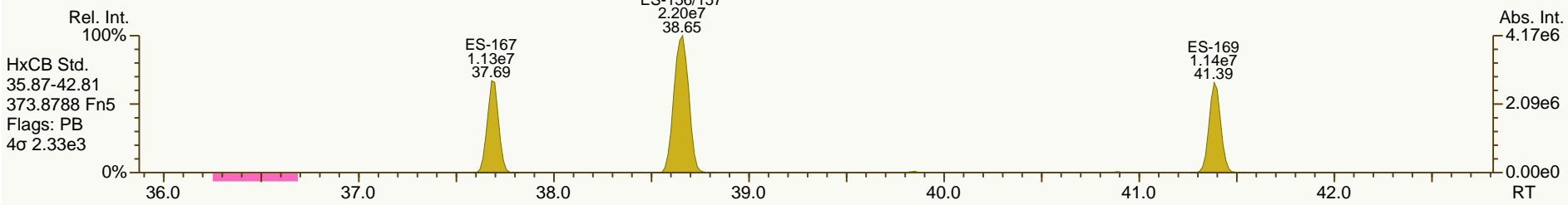
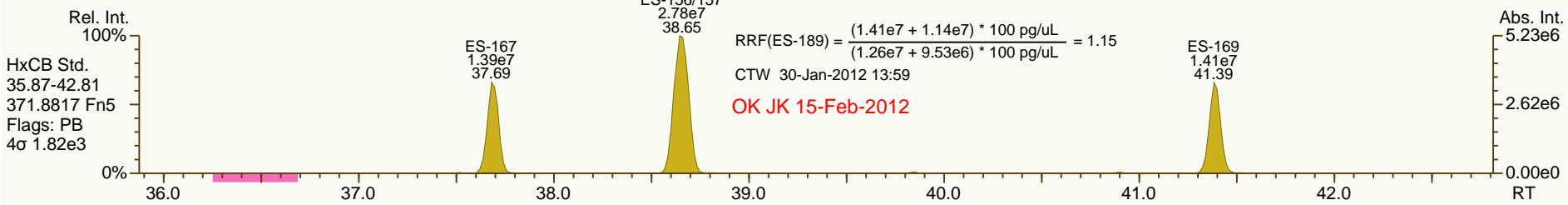
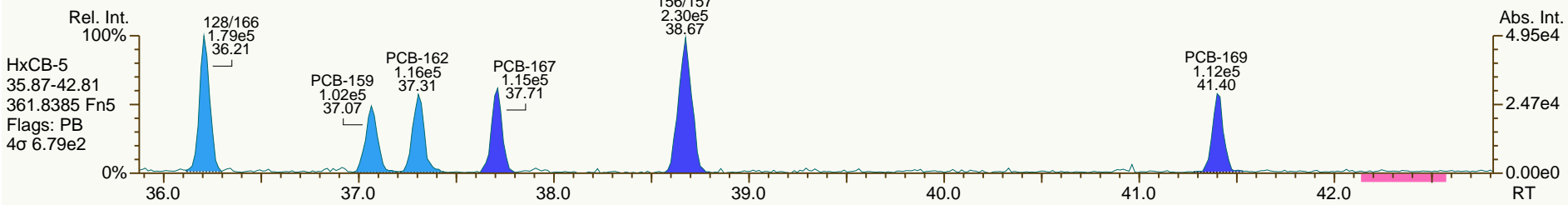
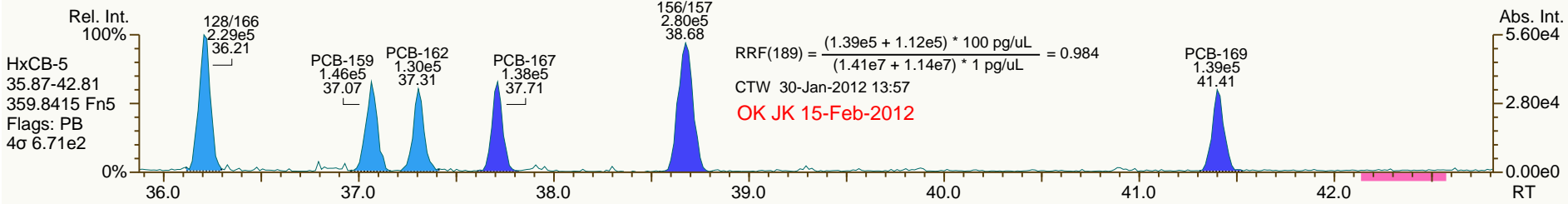
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

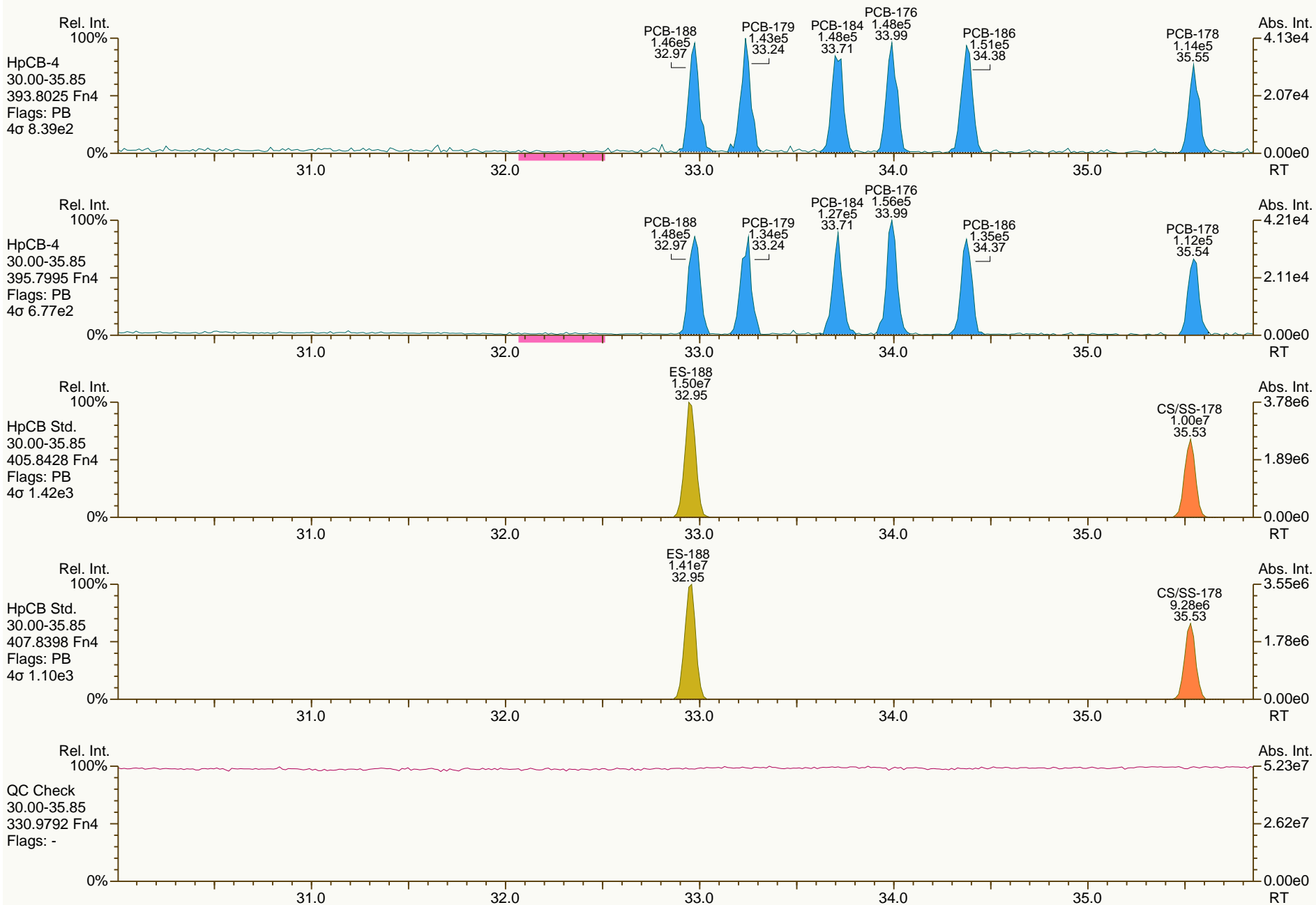
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

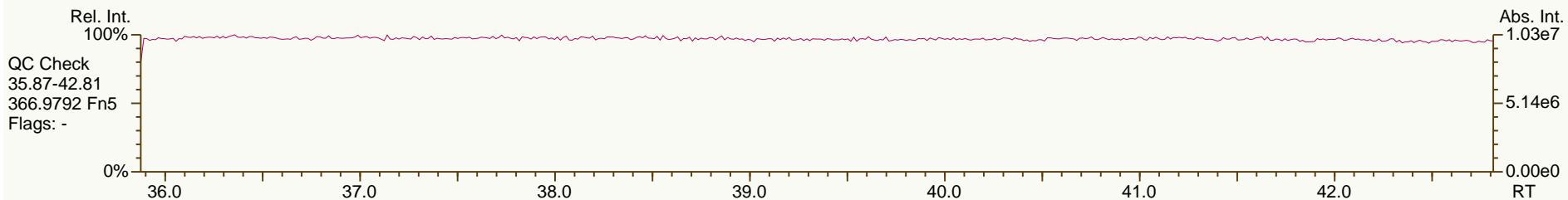
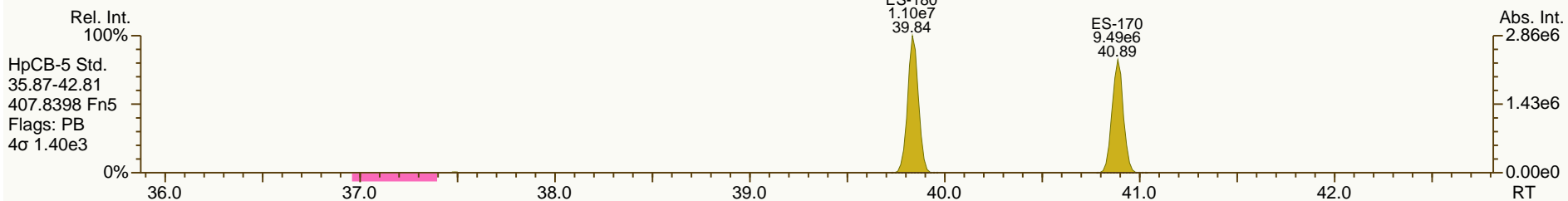
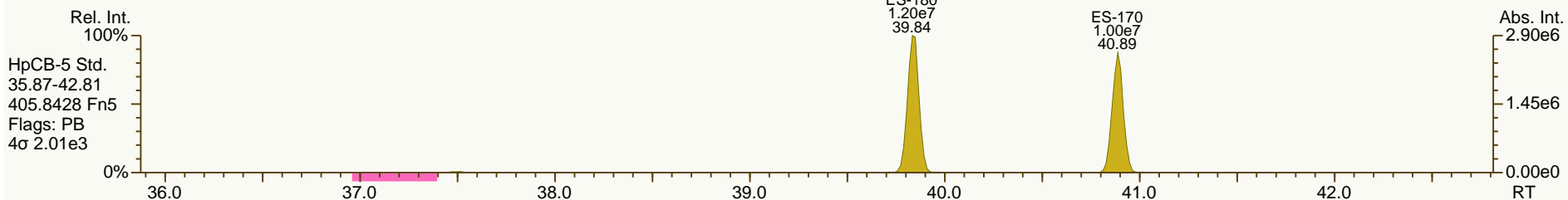
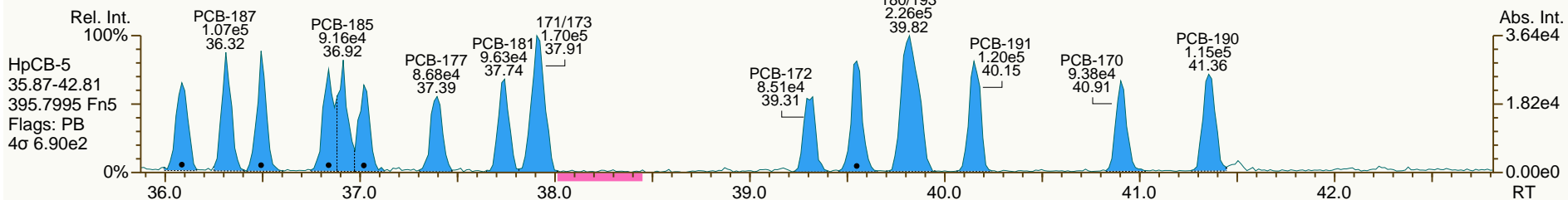
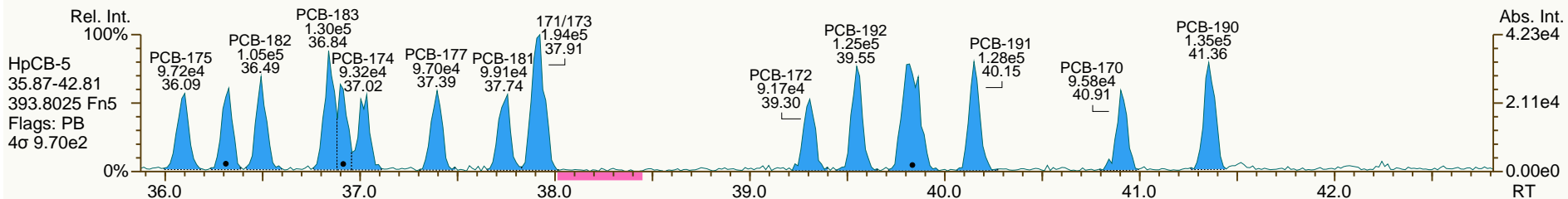
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

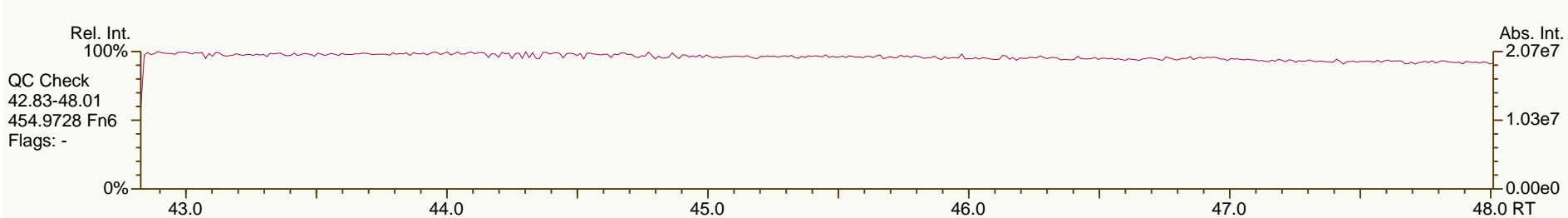
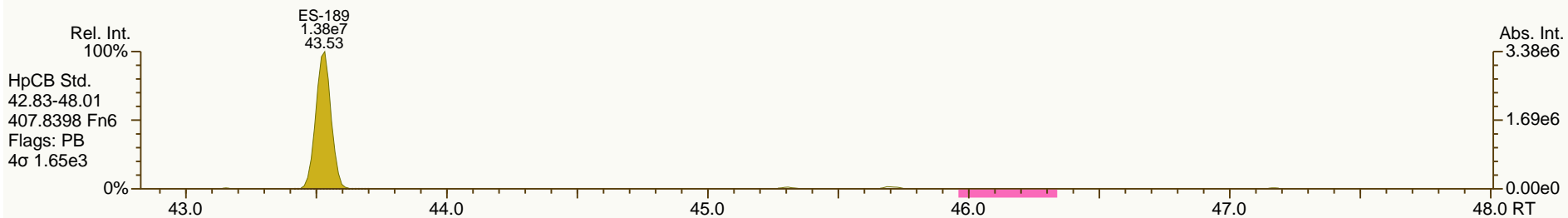
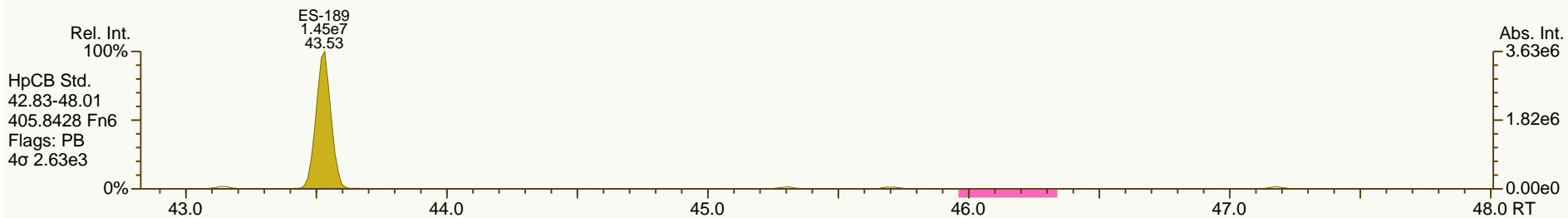
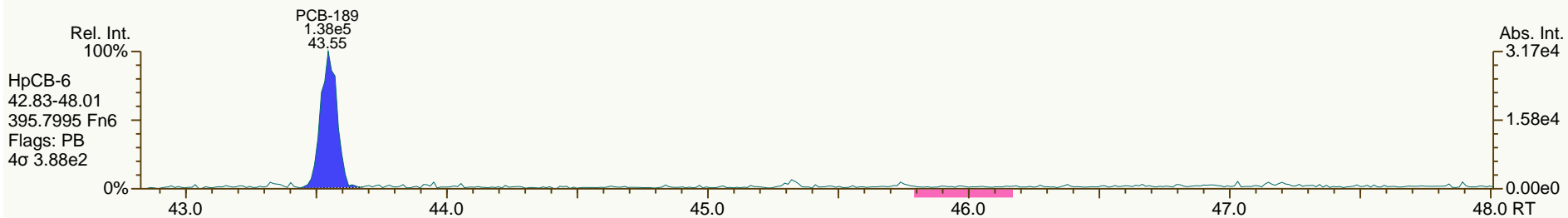
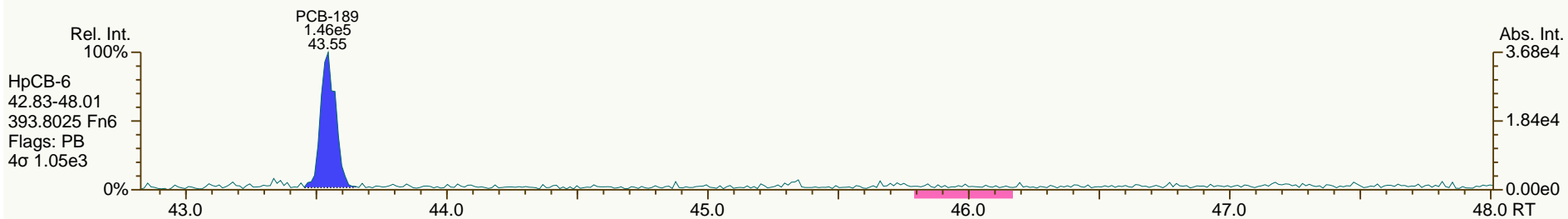
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

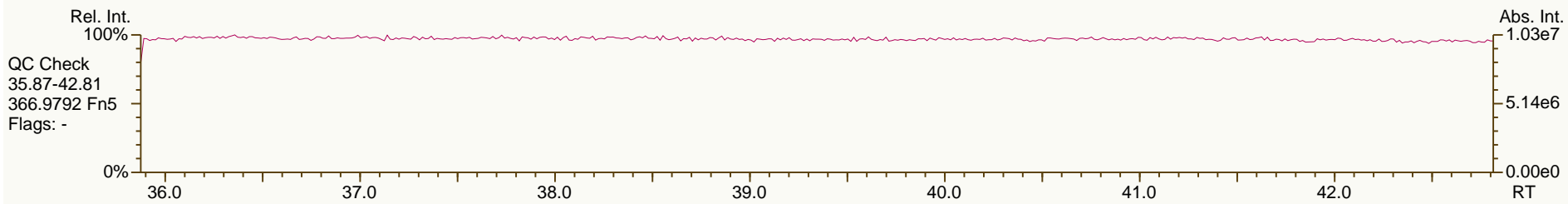
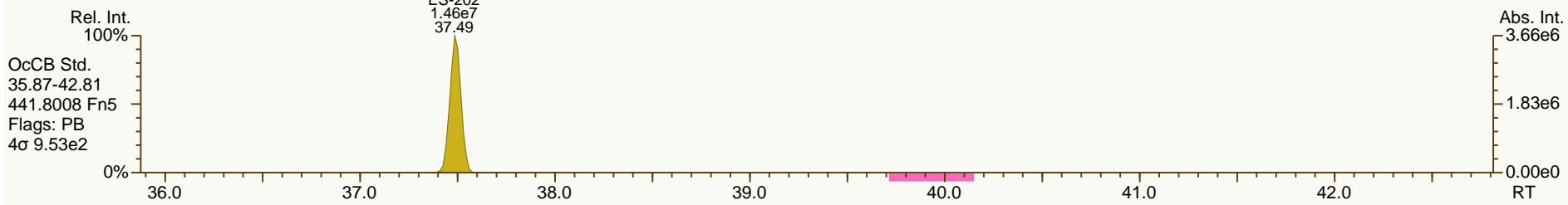
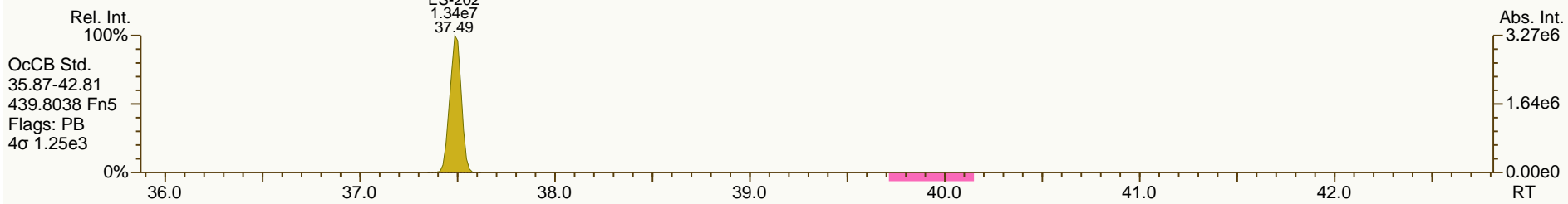
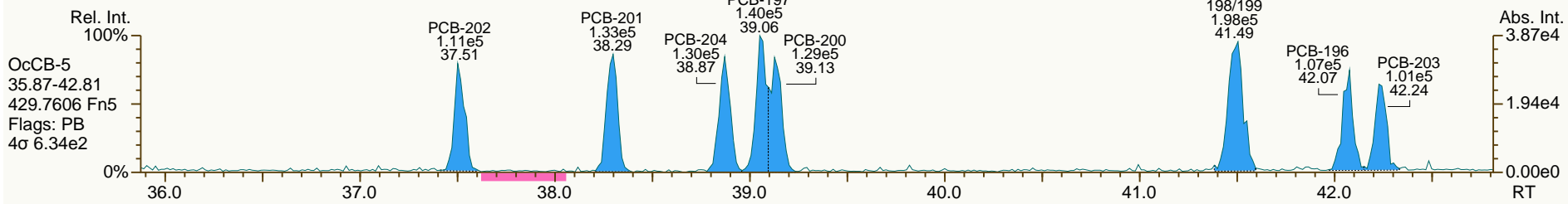
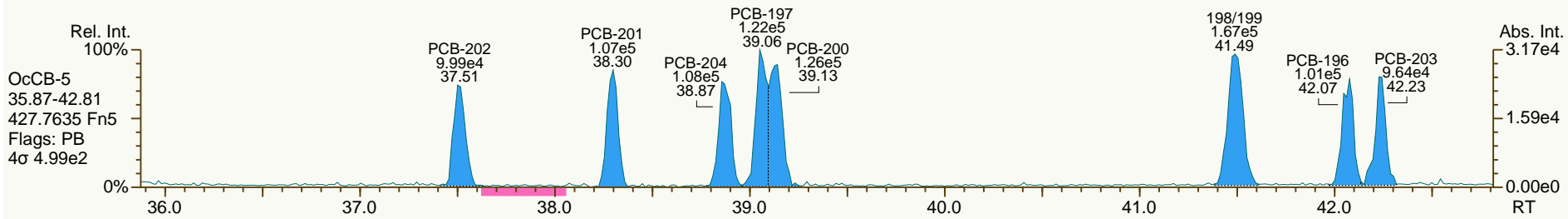
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

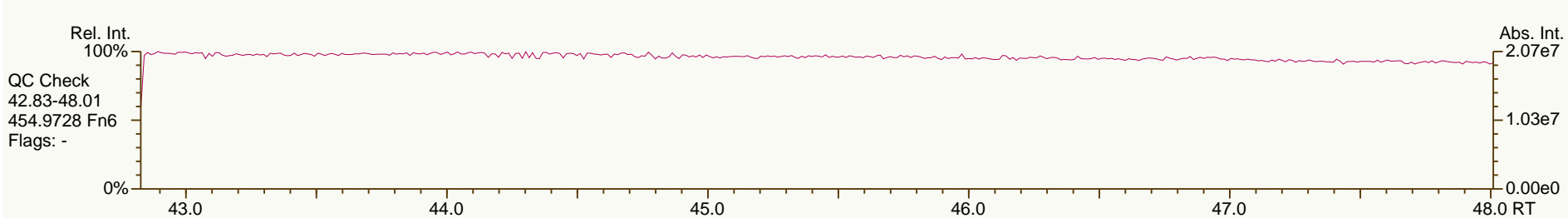
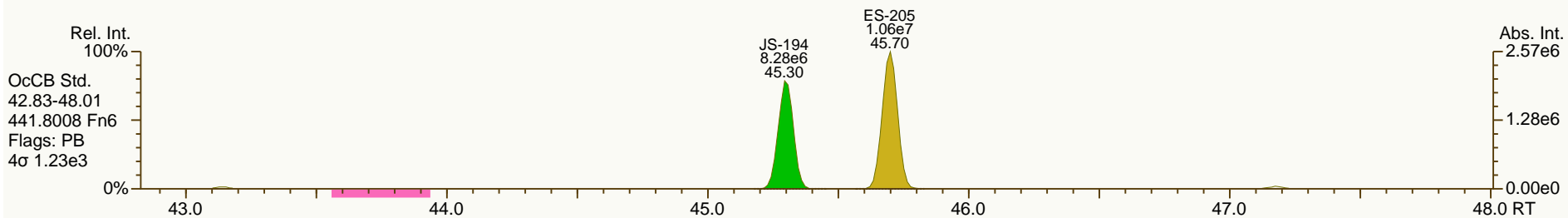
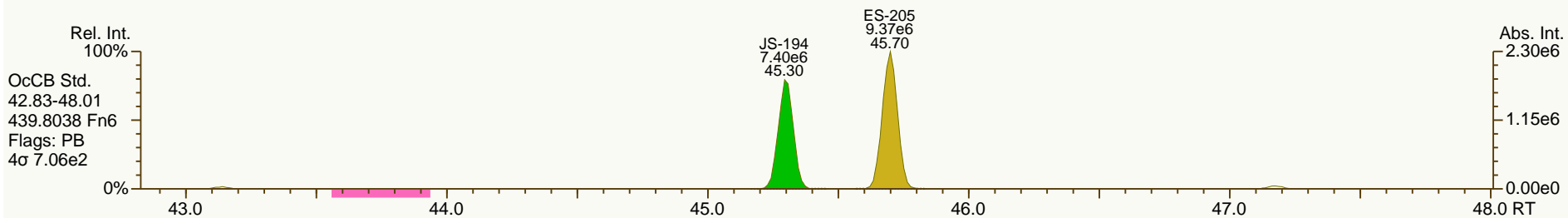
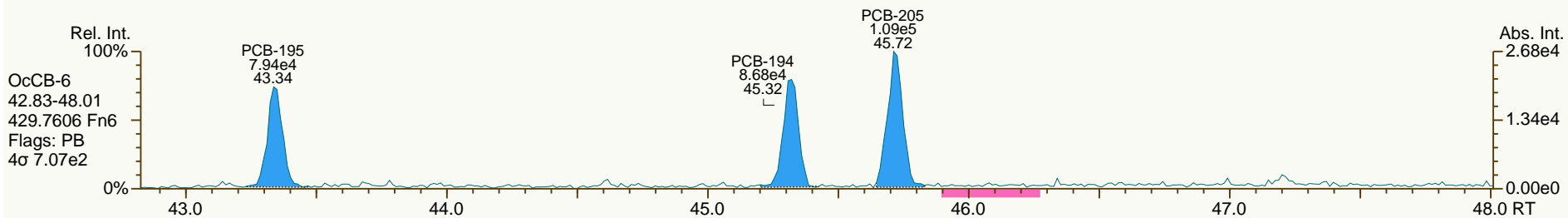
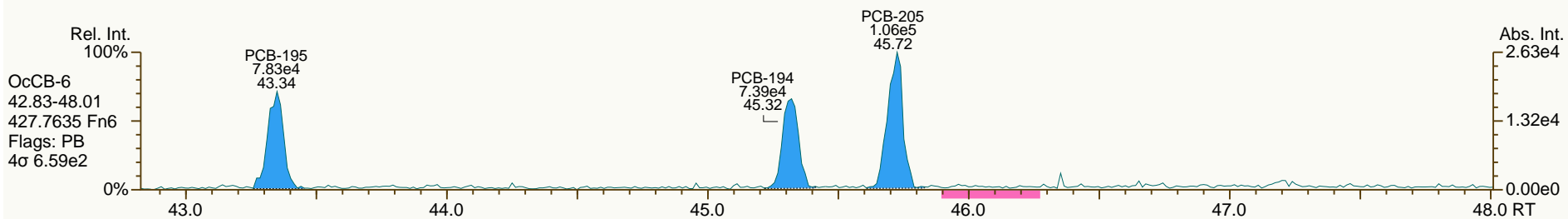
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

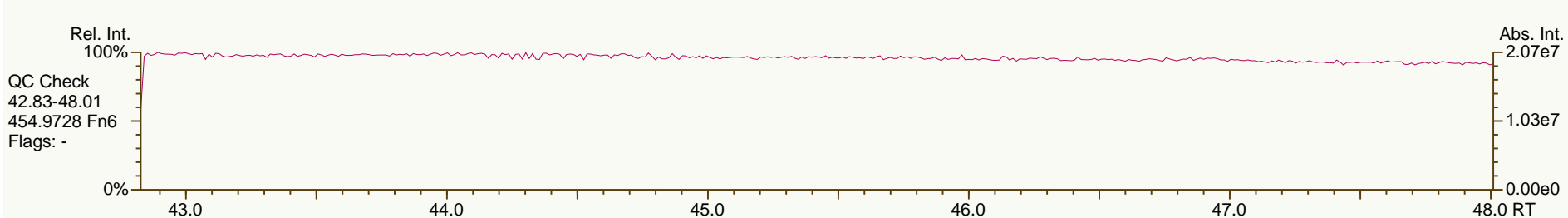
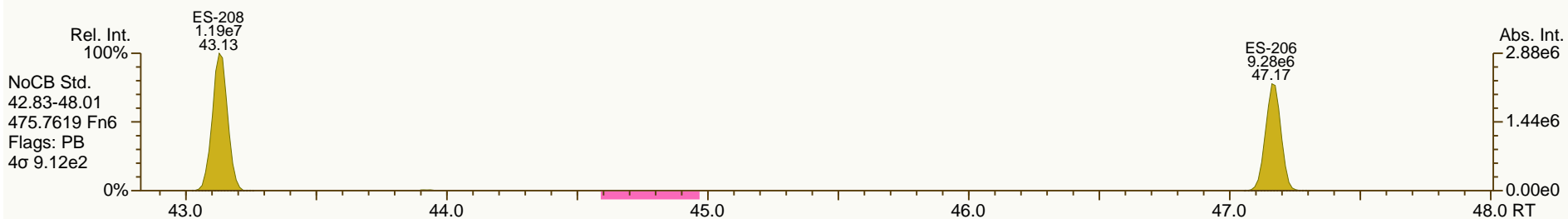
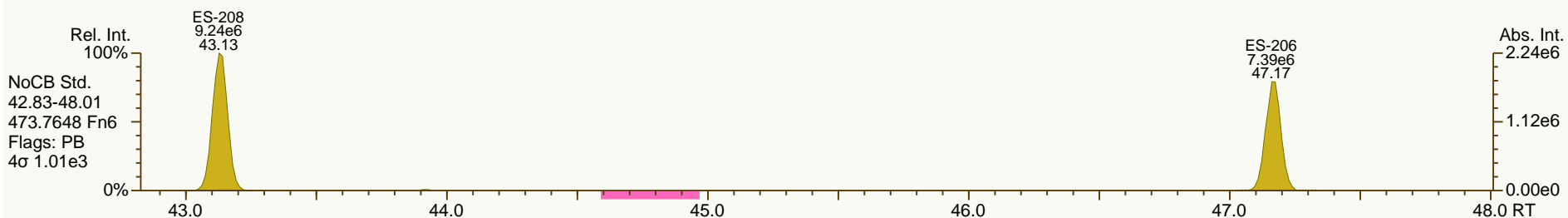
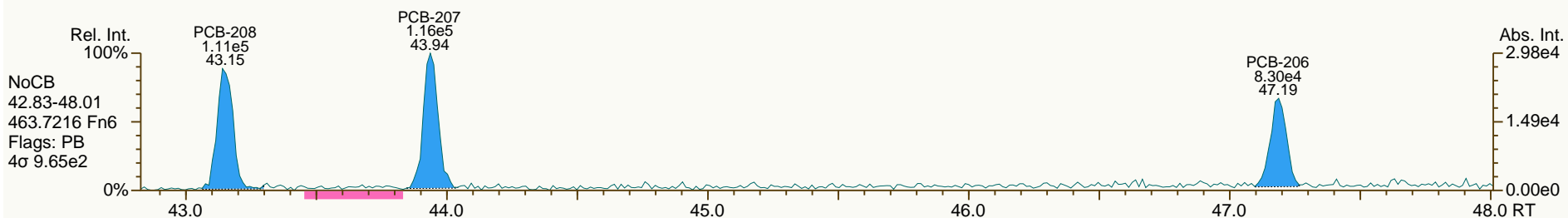
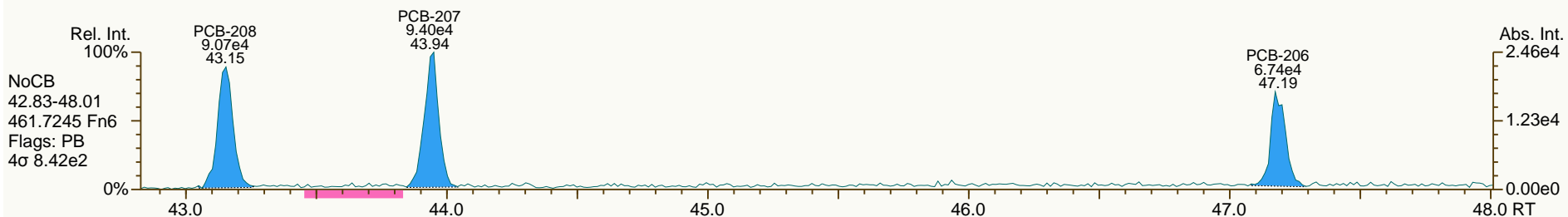
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

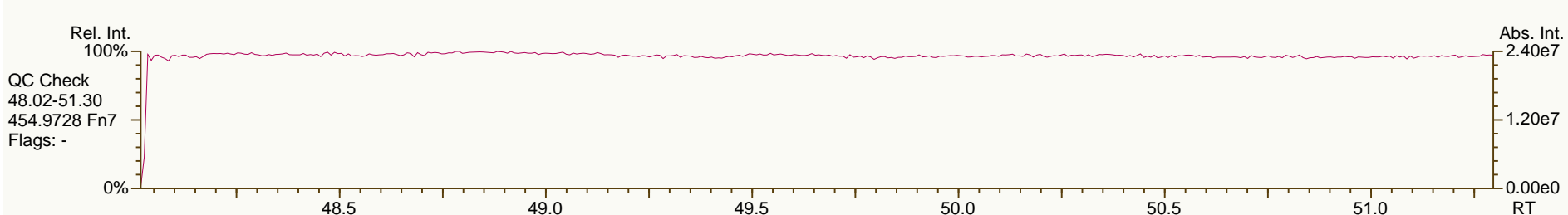
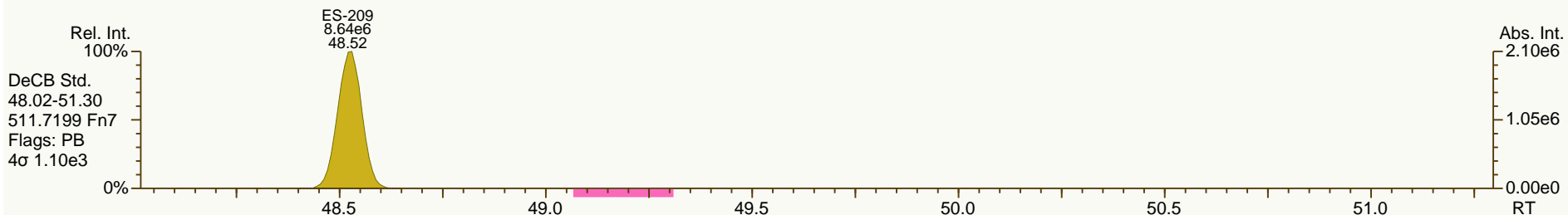
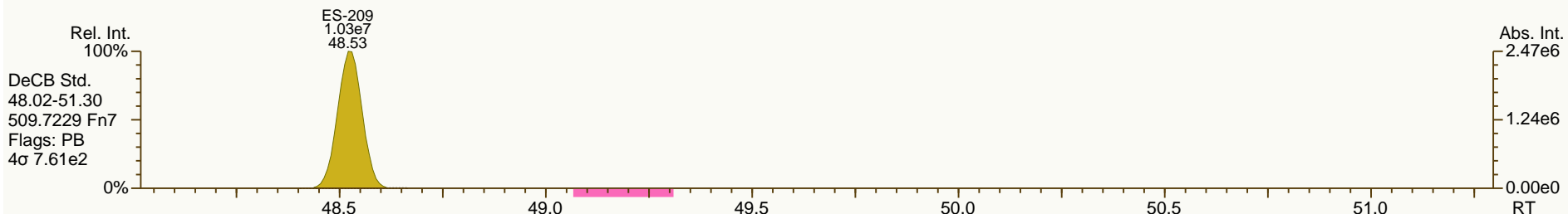
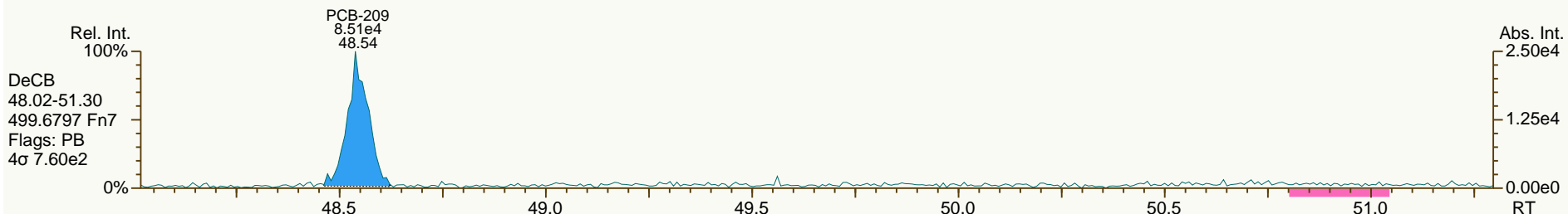
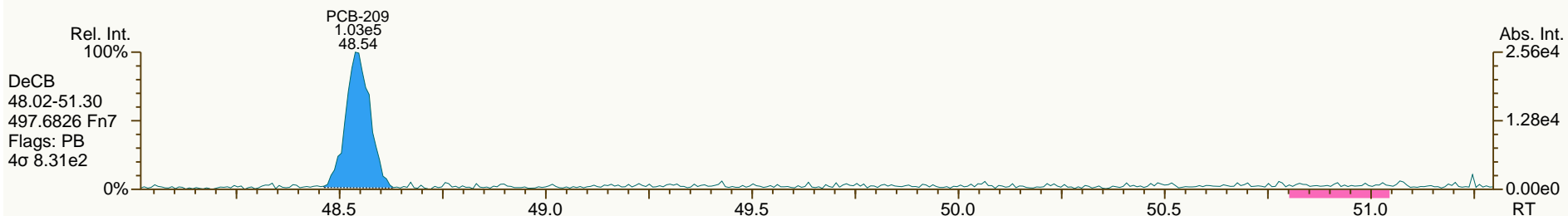
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6'-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87	4.4%	
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14	4.7%	
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79	2.8%	
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76	5.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85	4.2%	
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28	2.5%	
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37	0.7%	
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26	3.2%	
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26	0.3%	
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25	-2.3%	
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34	0.2%	
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25	0.2%	
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21	2.0%	
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20	-1.5%	
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18	0.2%	
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24	0.0%	
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38	0.3%	
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34	-2.0%	
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16	-2.5%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80	-1.7%	
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81	4.9%	
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73	2.6%	
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76	2.0%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76	2.2%	
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75	-0.2%	
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73	3.1%	
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82	-2.1%	
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68	5.0%	
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69	0.5%	
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99	0.3%	
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72	0.5%	
PCB-113/90/101 233'5'6-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81	-0.2%	
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59	-4.6%	
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78	2.4%	
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95	-1.2%	
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83	0.0%	
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96	2.1%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78	-3.2%	
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92	-0.4%	

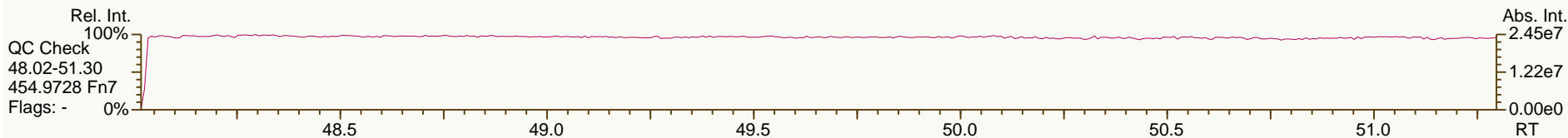
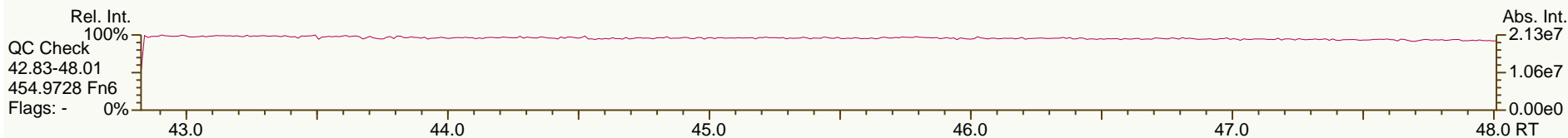
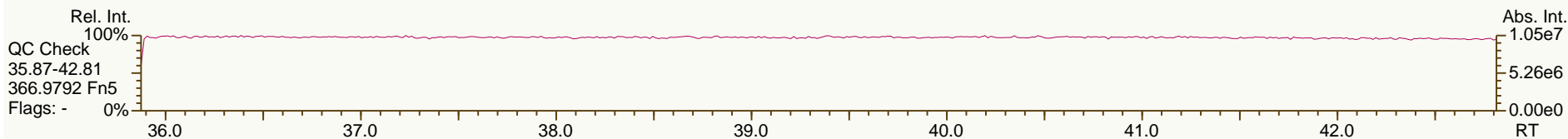
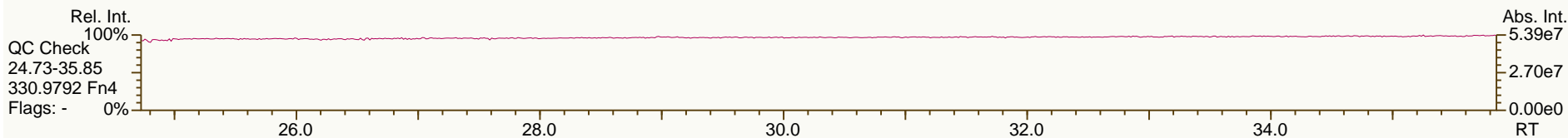
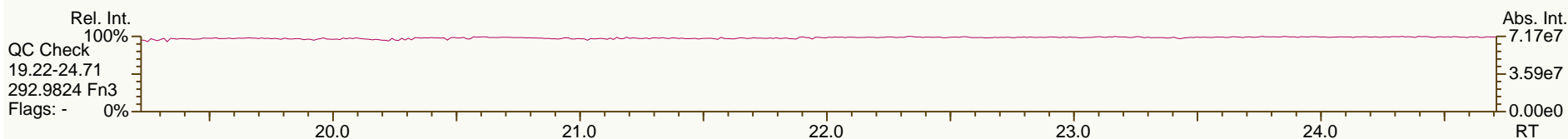
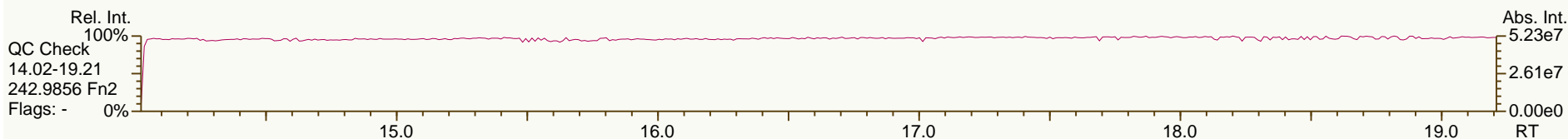
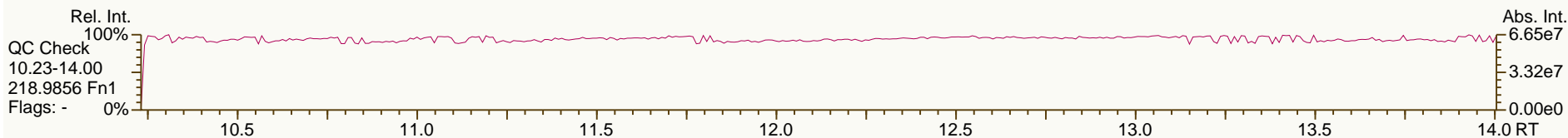
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92	-3.4%	
PCB-82 22'33'4-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59	-3.9%	
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92	-6.4%	
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98	-1.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89	-3.6%	
PCB-109 233'46-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96	-3.5%	
PCB-106 233'45-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92	-4.6%	
PCB-122 2'33'45-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91	-2.2%	
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00	-3.5%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96	-2.2%	
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96	-2.8%	
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87	-5.3%	
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88	-6.2%	
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93	-2.0%	
PCB-151/135 22'355'6-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90	-1.5%	
PCB-154 22'44'5'6-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99	-2.3%	
PCB-144 22'345'6-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95	1.6%	
PCB-147/149 22'34'56-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94	0.1%	
PCB-134 22'33'56-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76	-2.7%	
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88	-2.0%	
PCB-139/140 22'344'6-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92	-3.0%	
PCB-131 22'33'46-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81	-3.7%	
PCB-142 22'3456-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82	-5.6%	
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83	-5.1%	
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85	-4.4%	
PCB-165 233'55'6-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00	-6.1%	
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93	-1.6%	
PCB-161 233'45'6-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89	-2.7%	
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78	-4.8%	
PCB-137 22'344'5-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87	-13.5%	
PCB-164 233'4'5'6-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15	1.5%	
PCB-163/138/129 233'4'56-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96	-2.9%	
PCB-160 233'456-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07	-6.1%	
PCB-158 233'44'6-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17	-5.8%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82	-5.1%	
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99	-3.5%	
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95	-8.3%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98	0.5%	
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95	-2.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

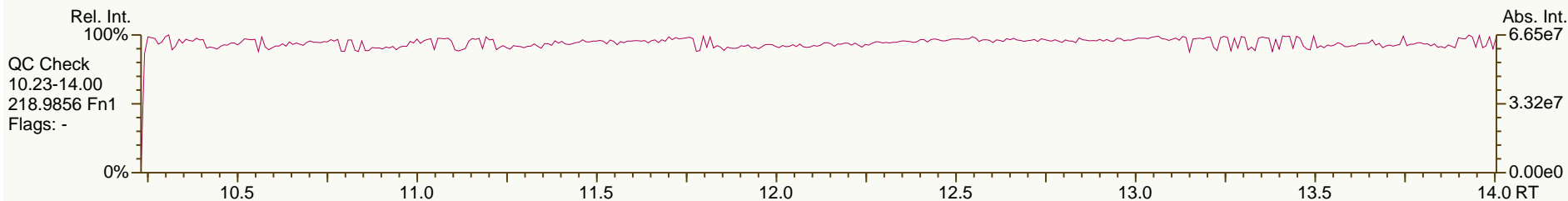
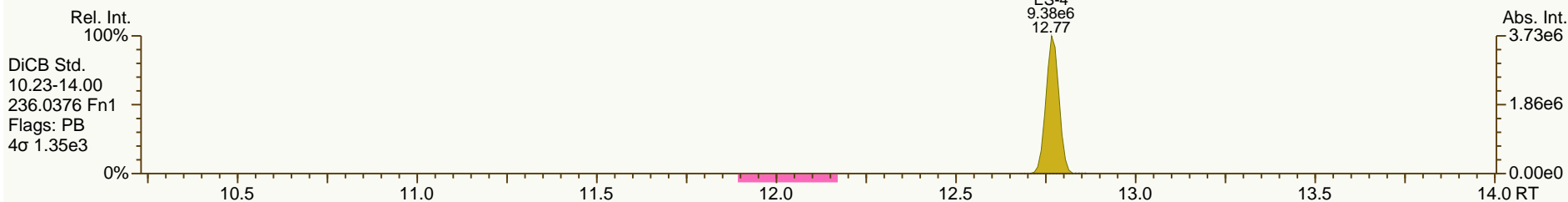
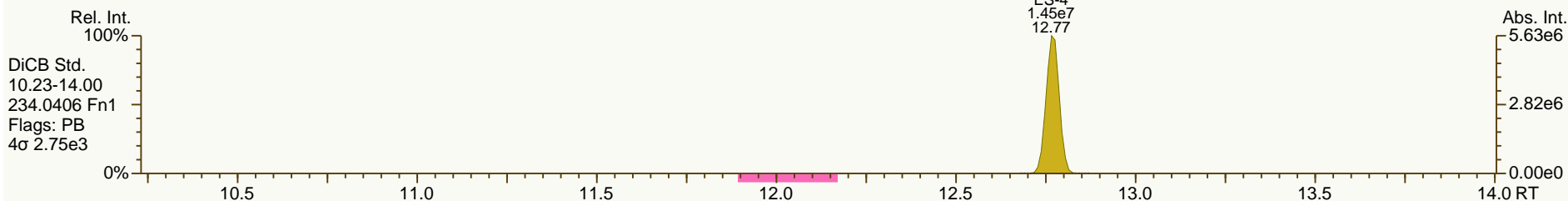
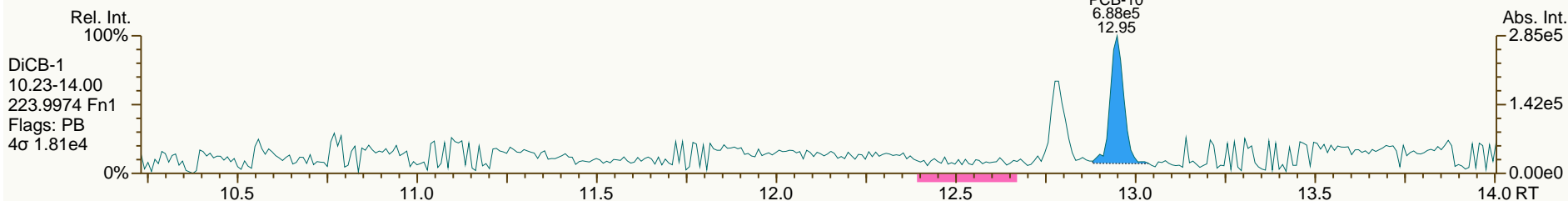
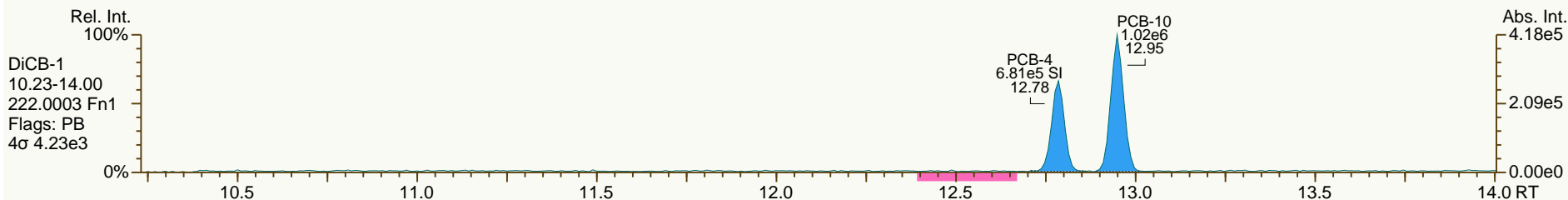
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

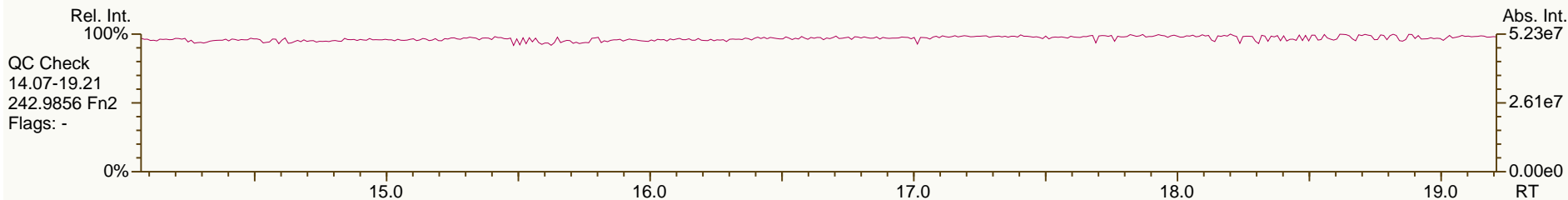
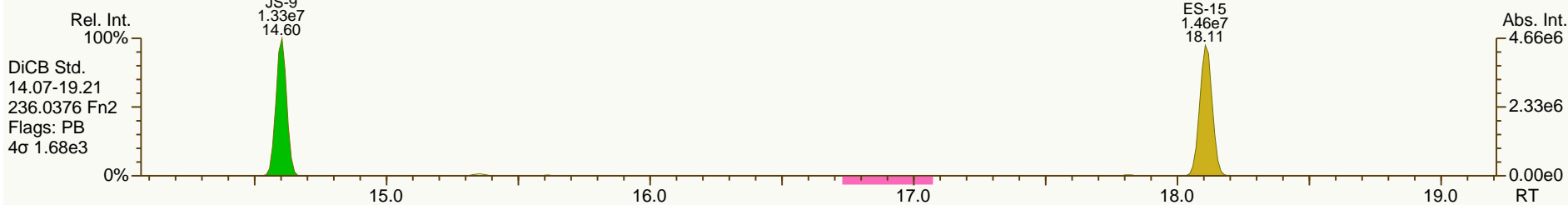
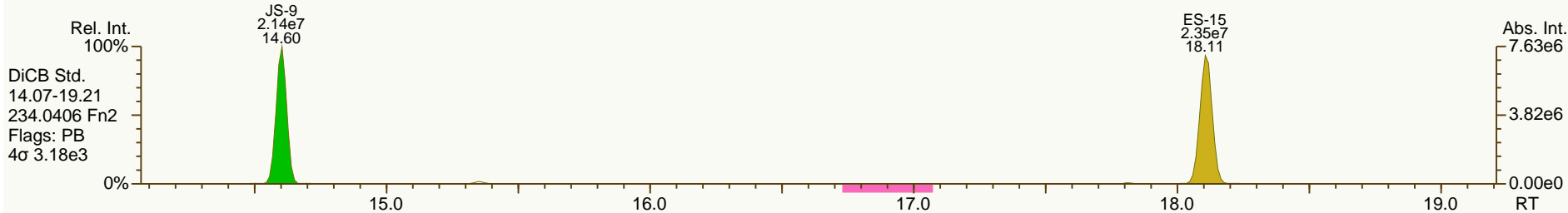
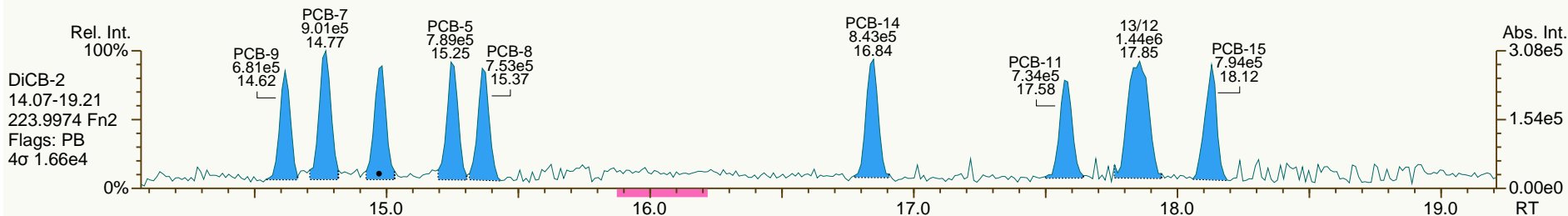
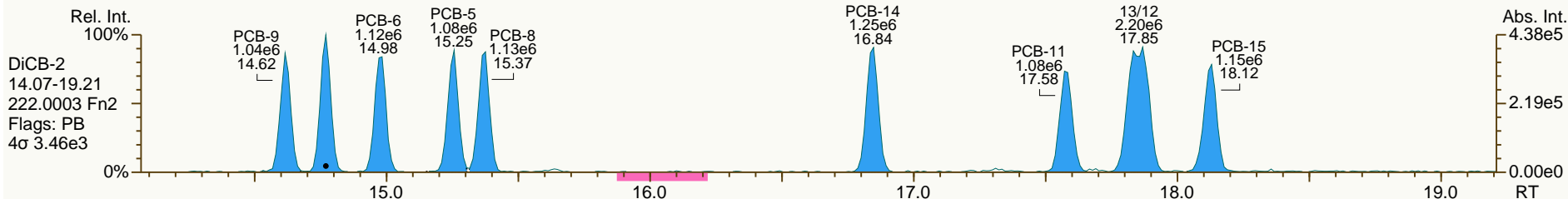
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
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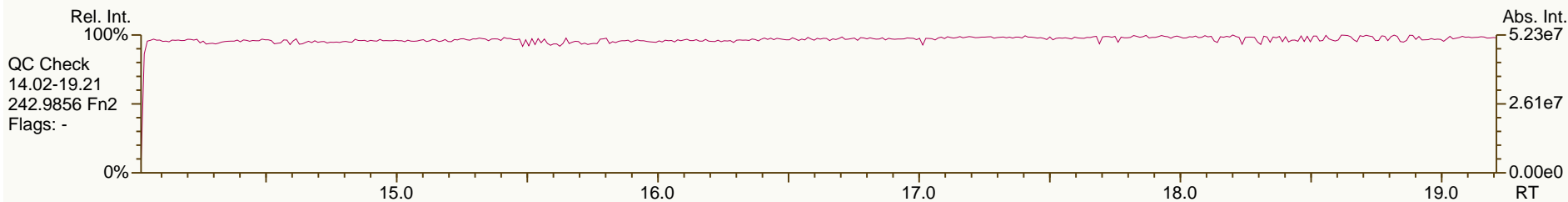
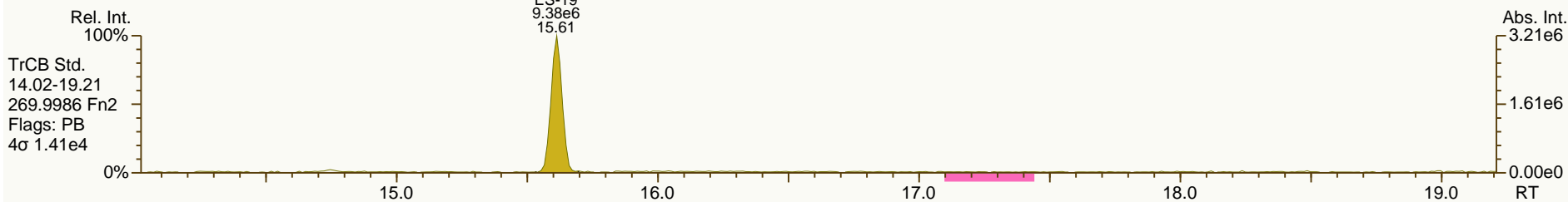
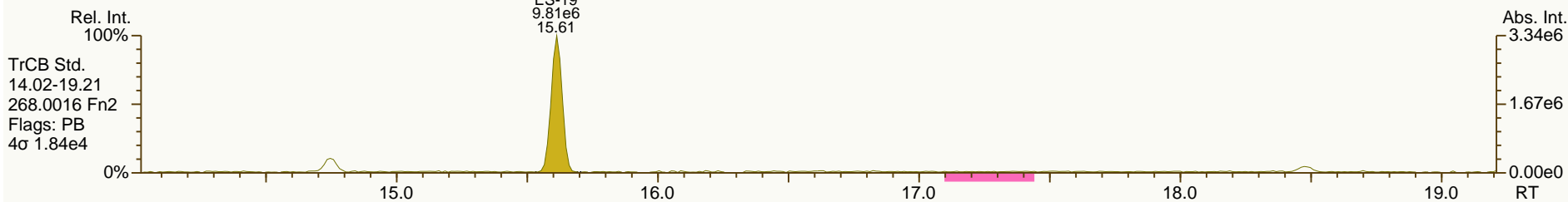
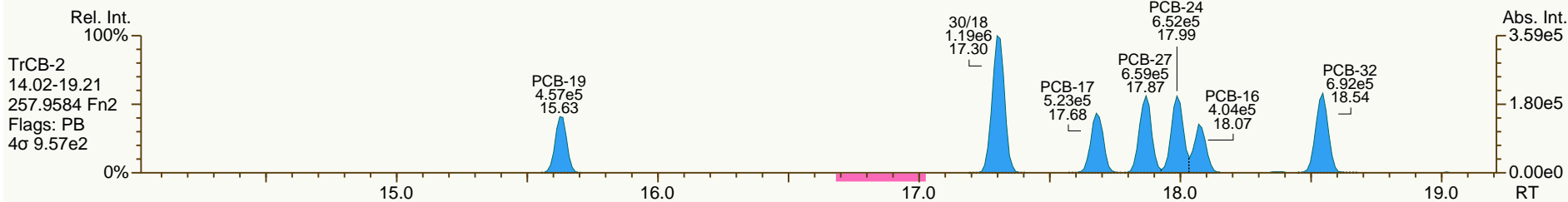
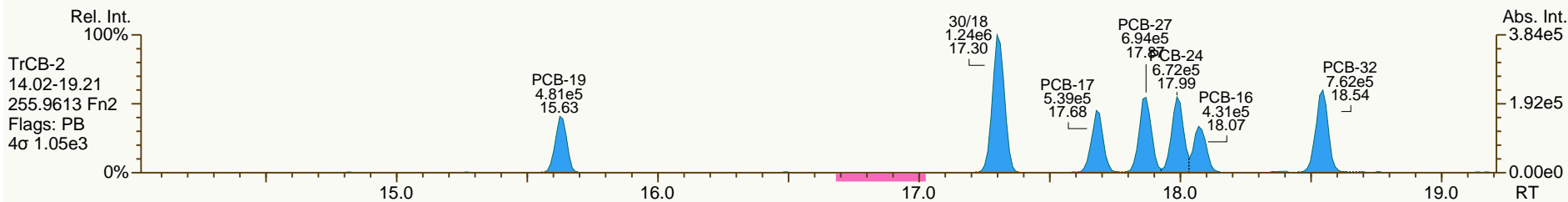
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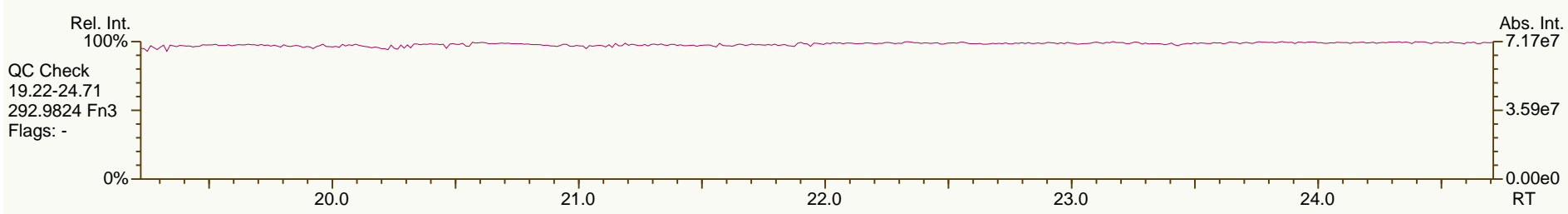
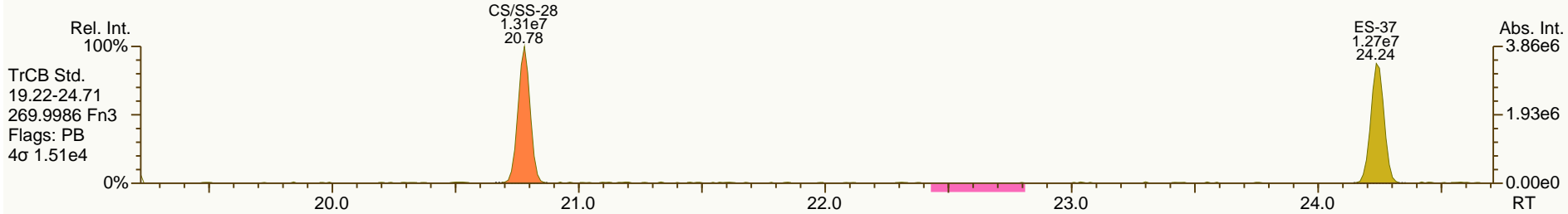
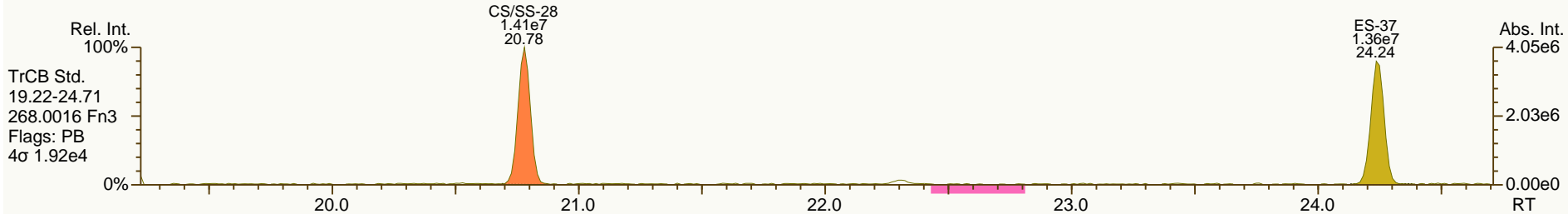
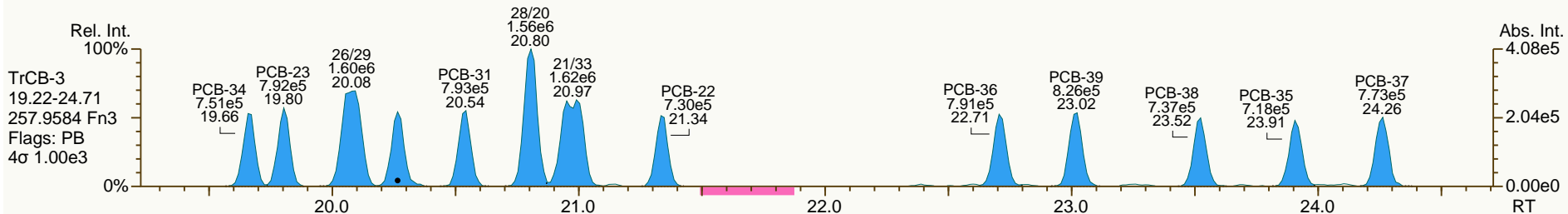
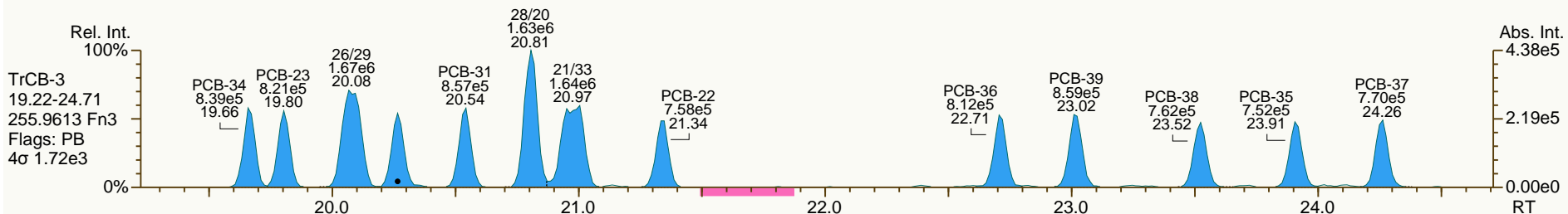
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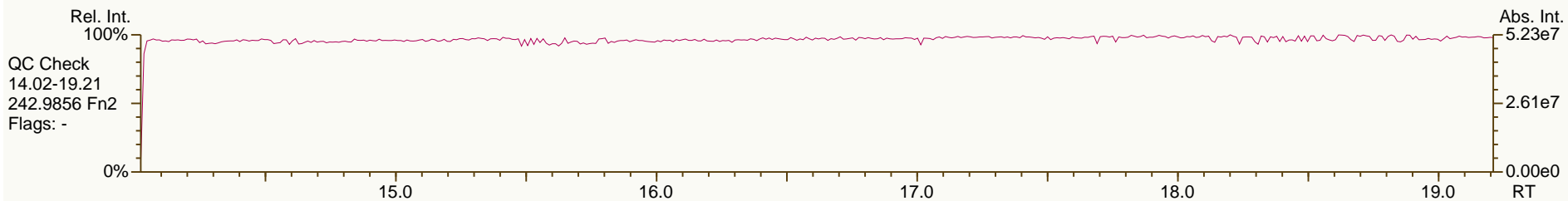
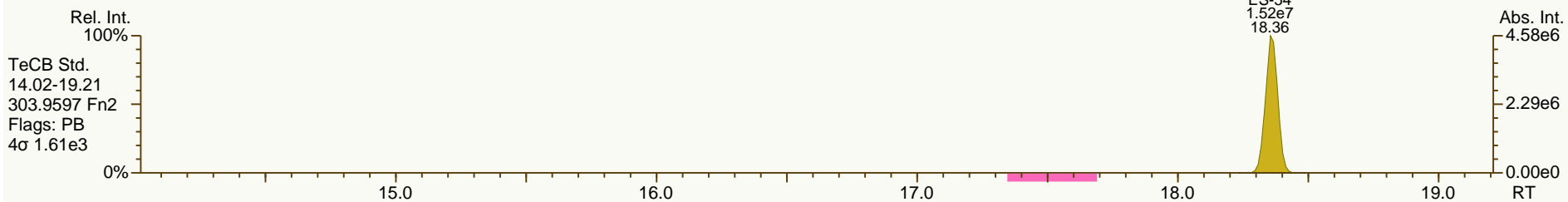
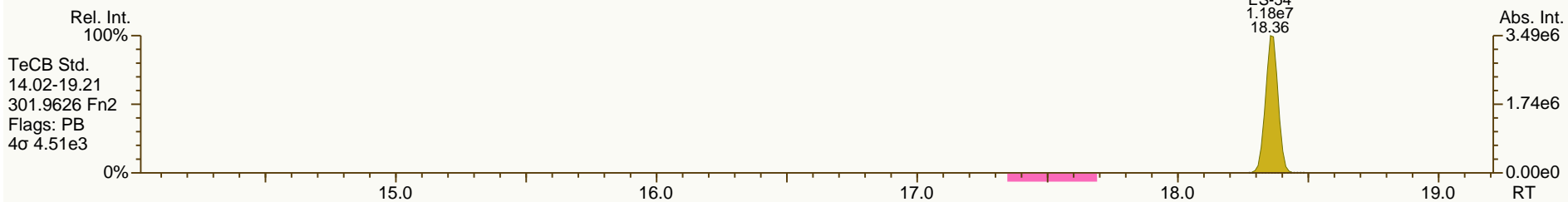
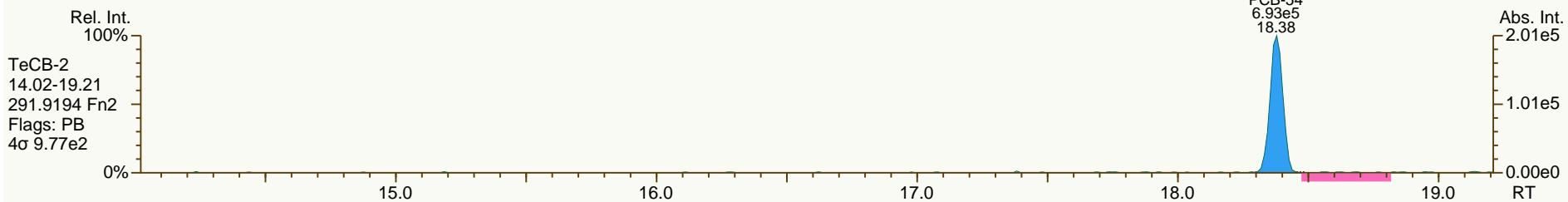
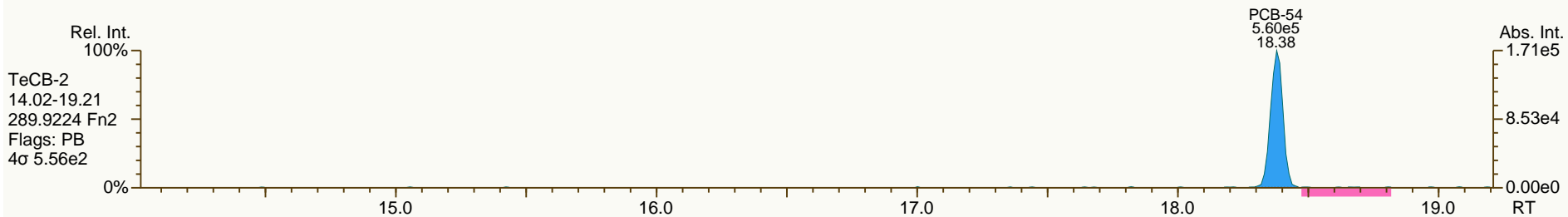
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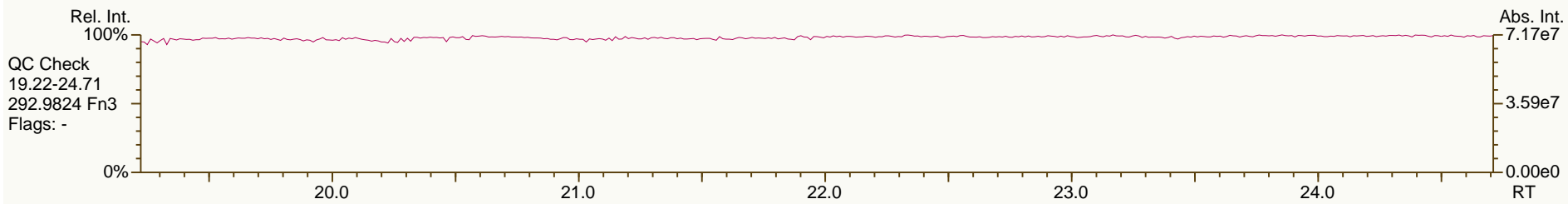
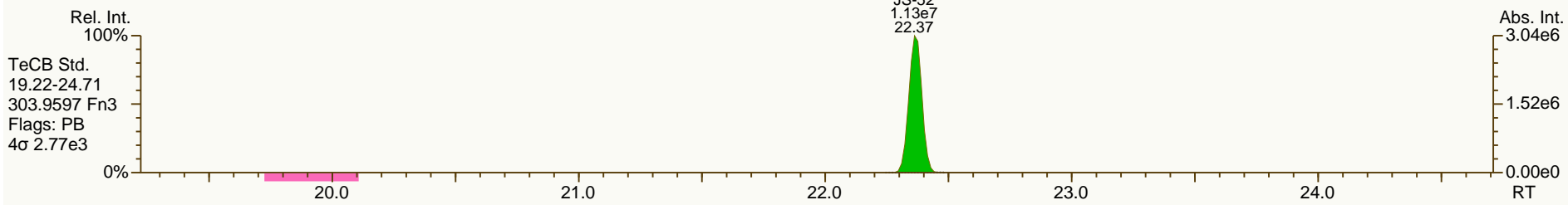
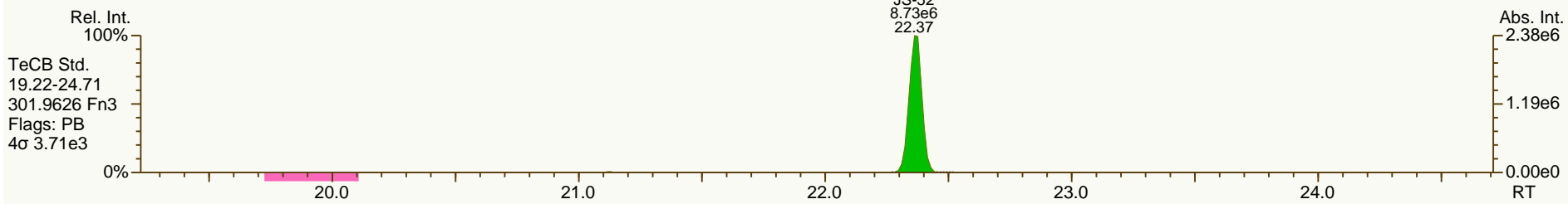
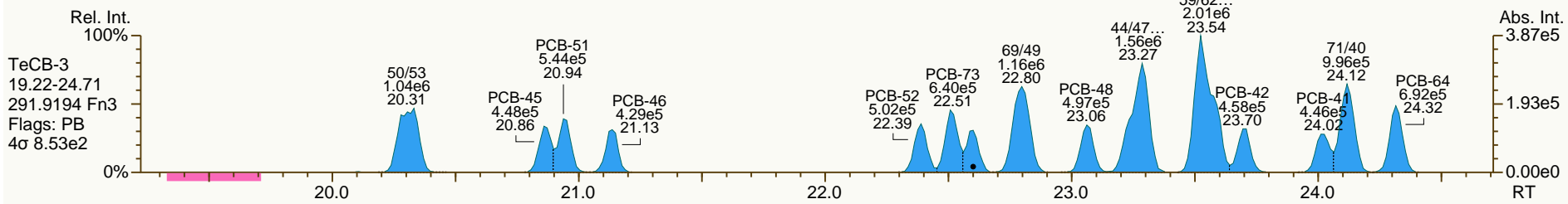
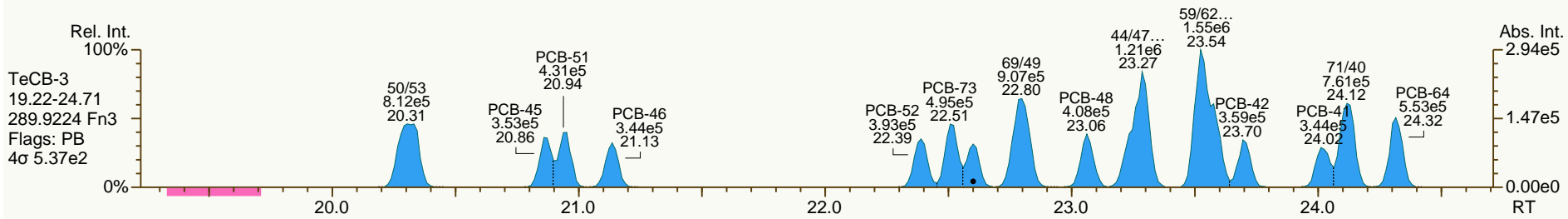
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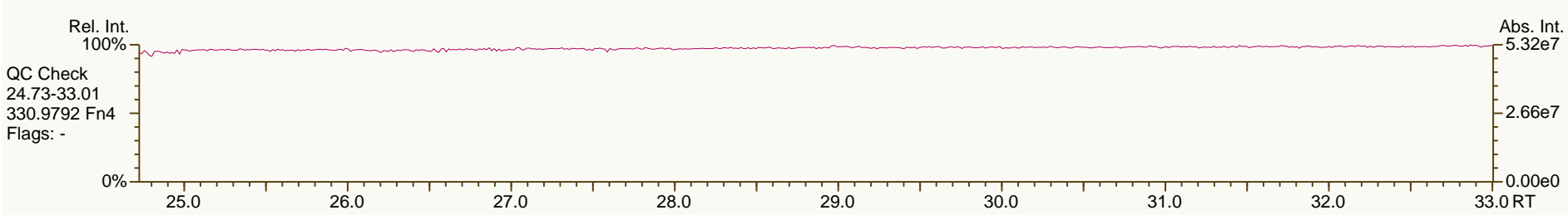
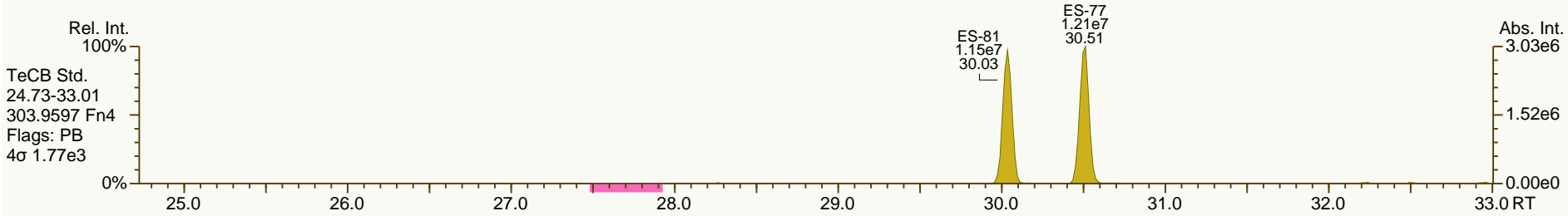
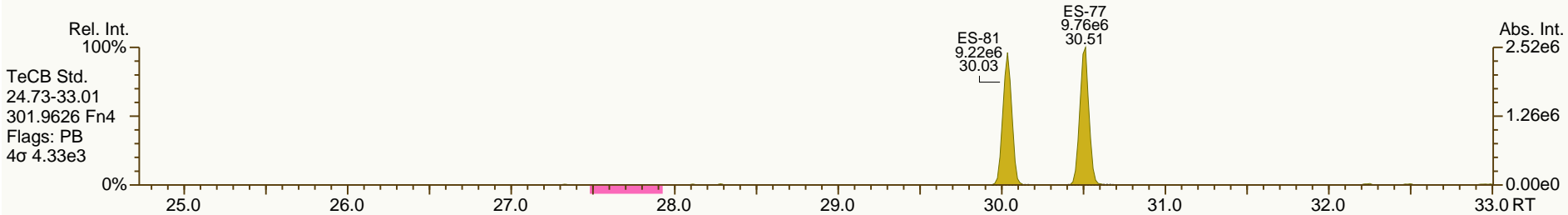
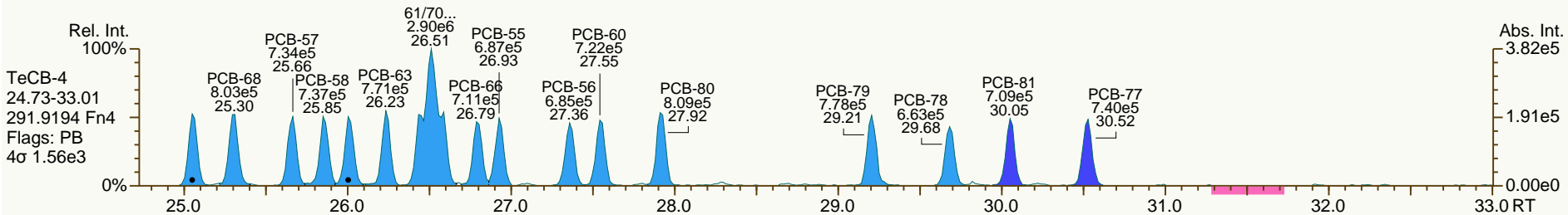
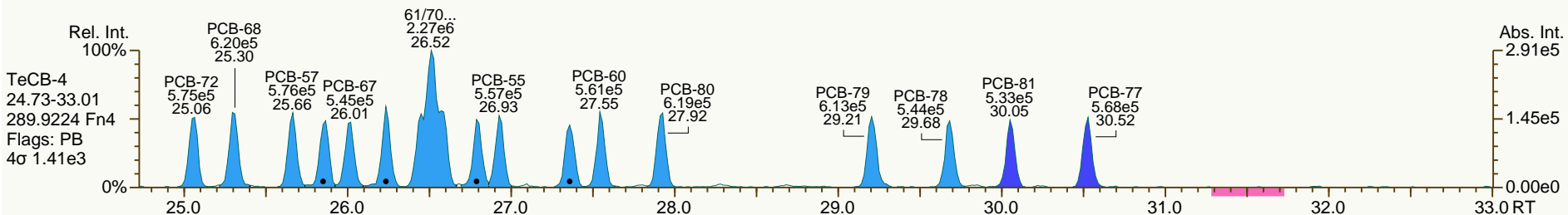
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AP Lab ID: CS2_120126_PCB_SA
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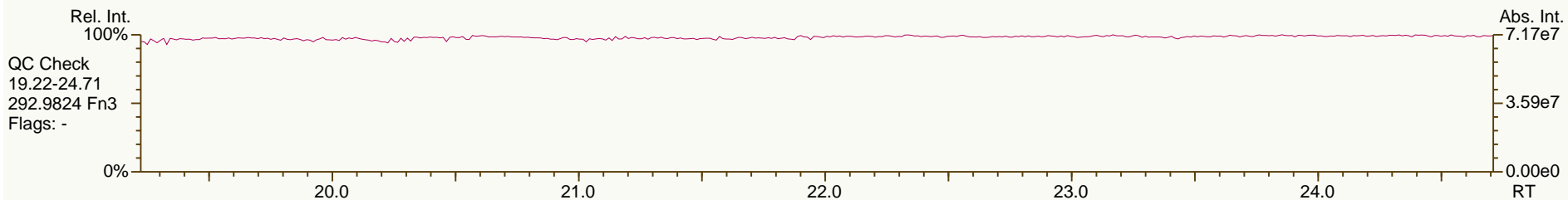
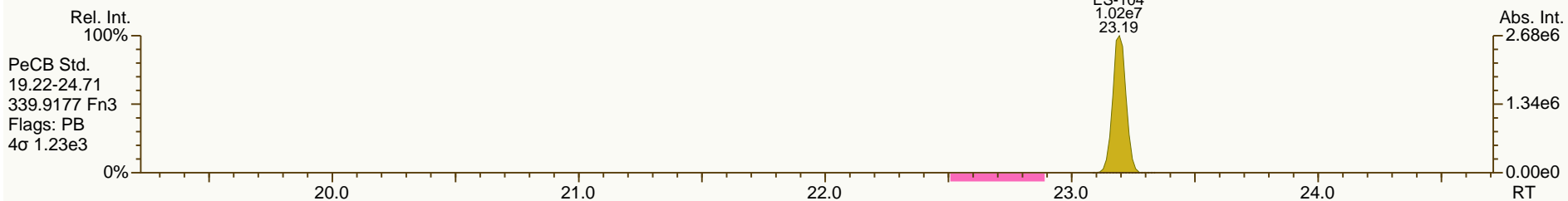
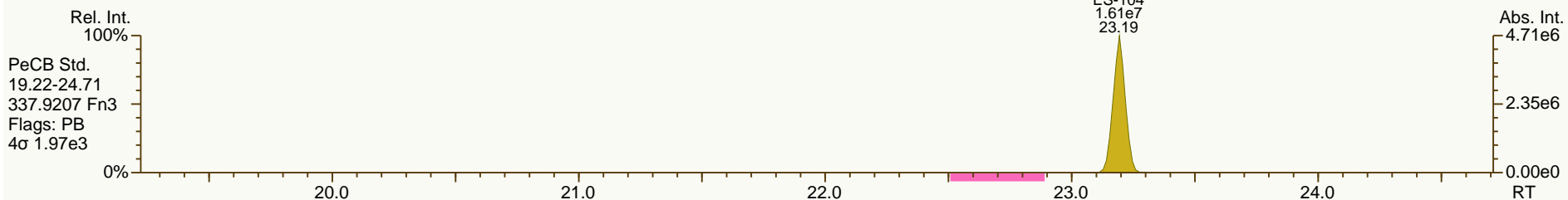
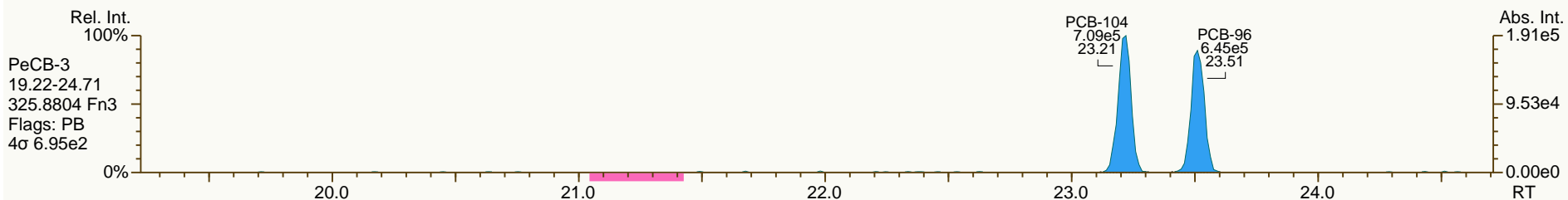
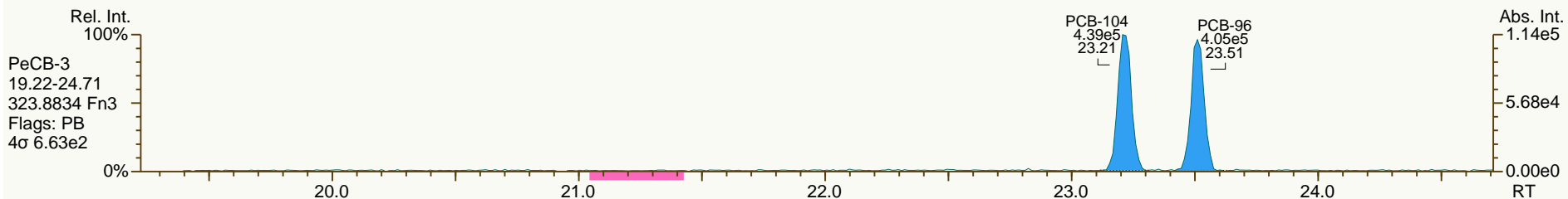
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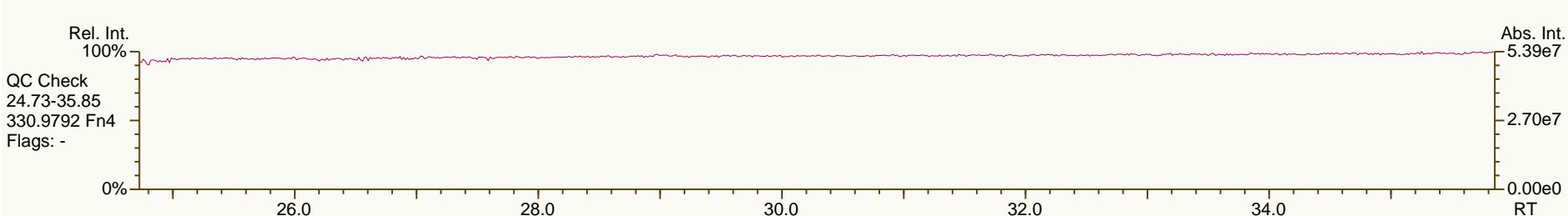
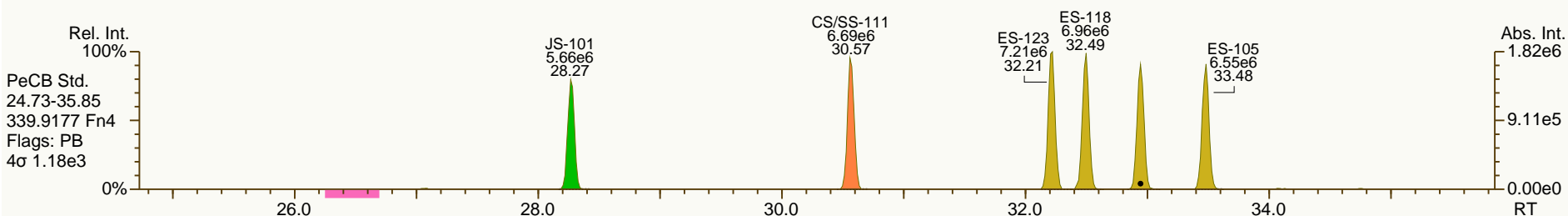
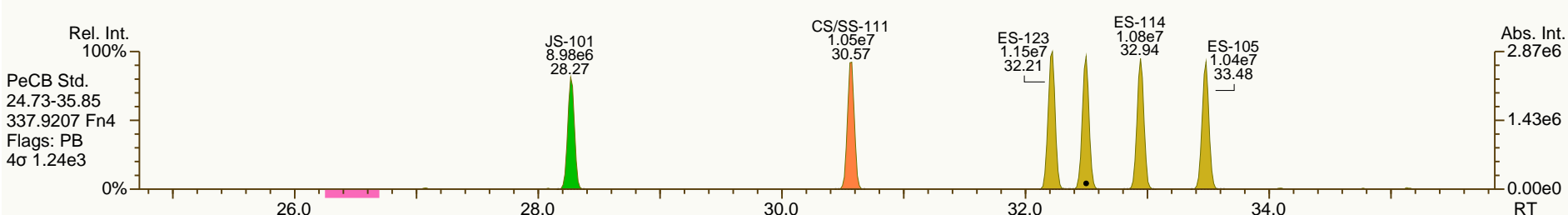
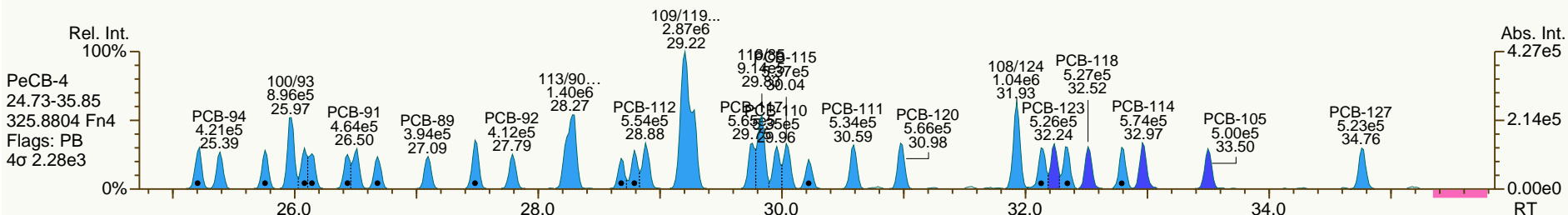
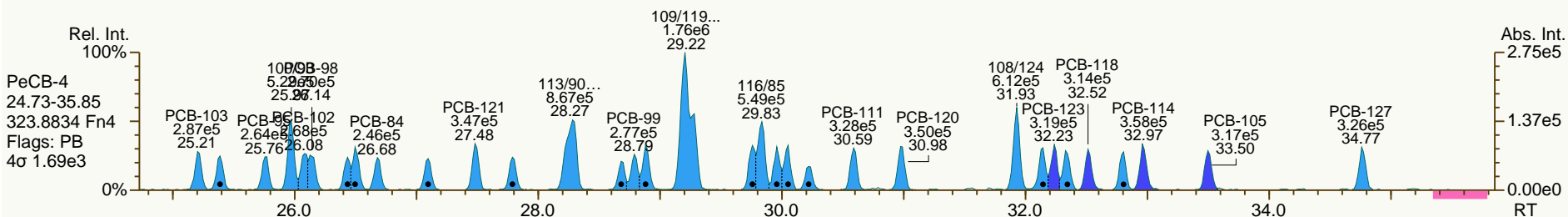
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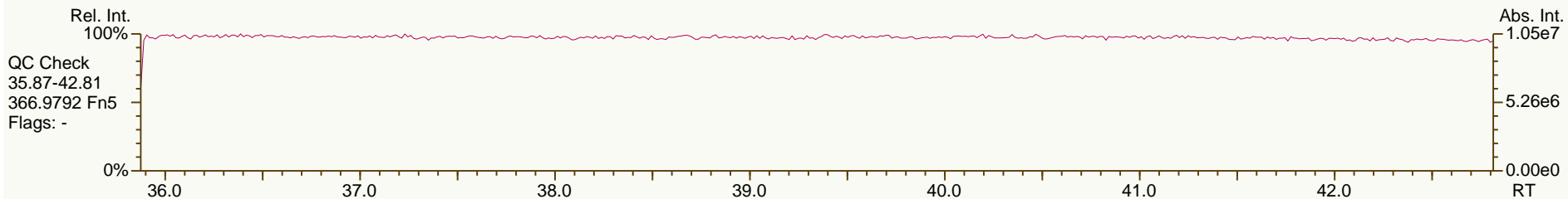
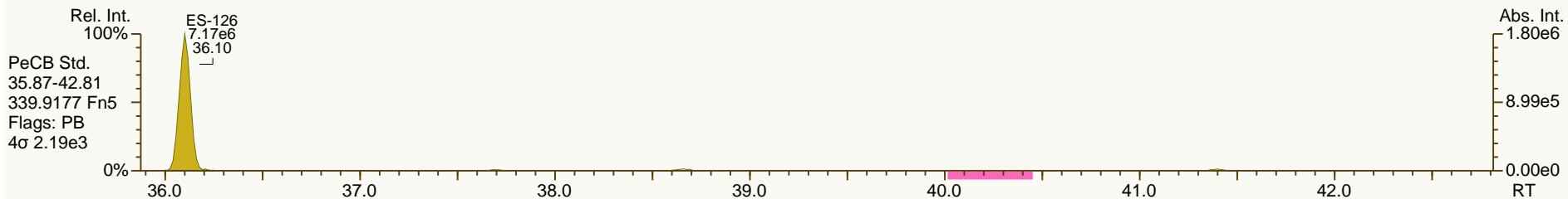
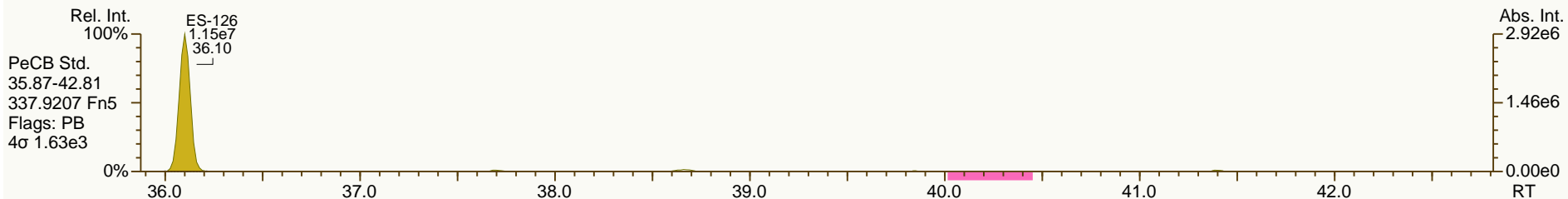
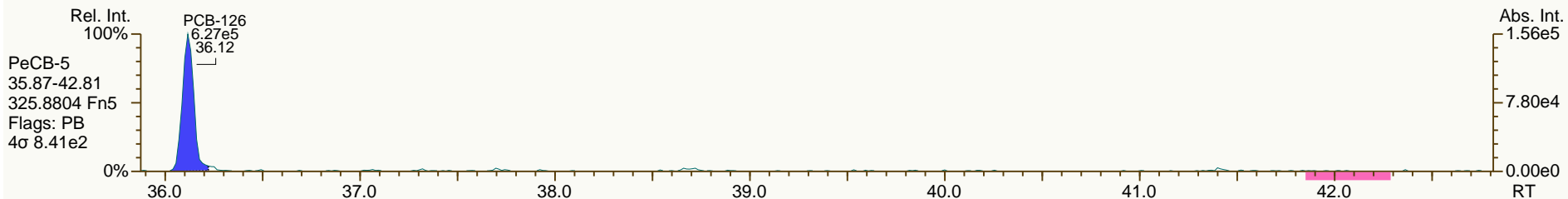
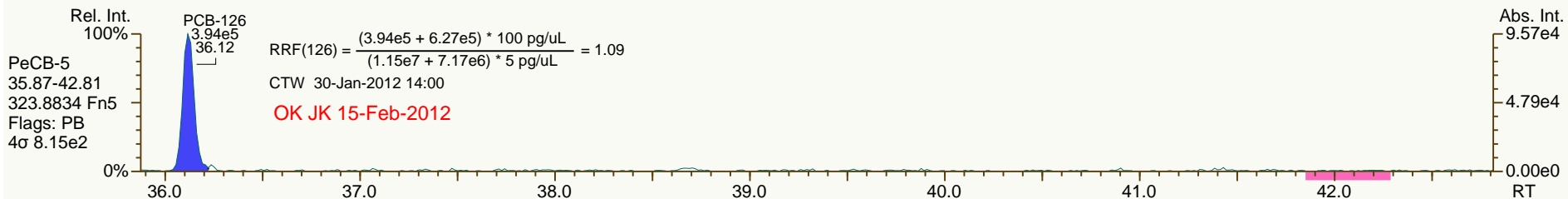
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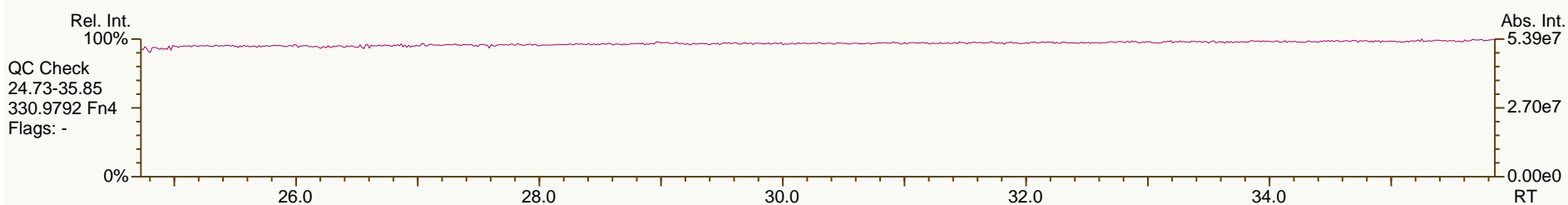
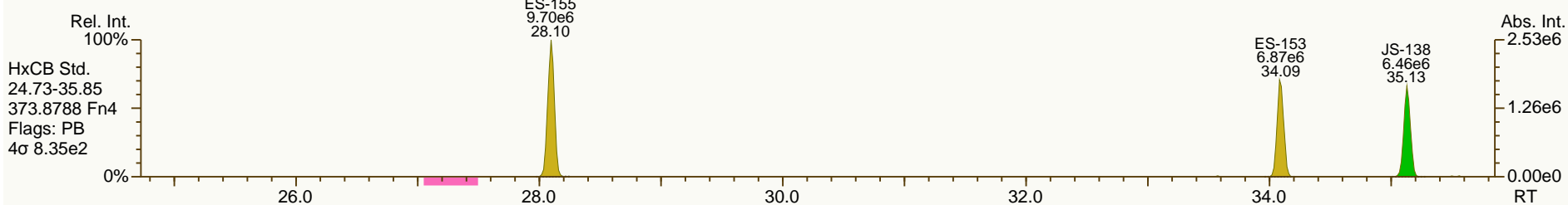
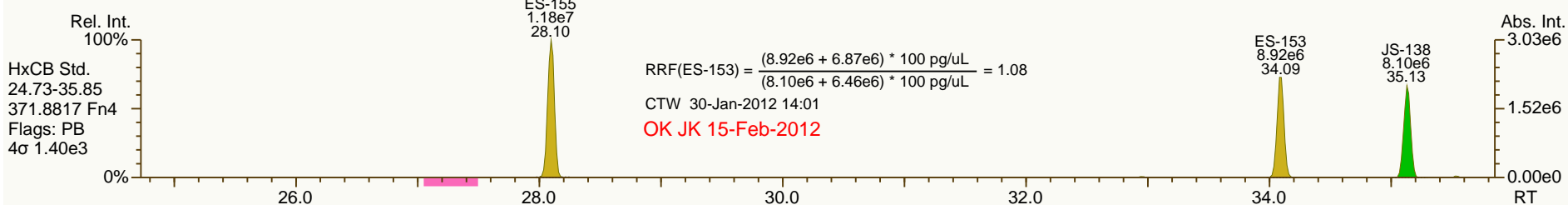
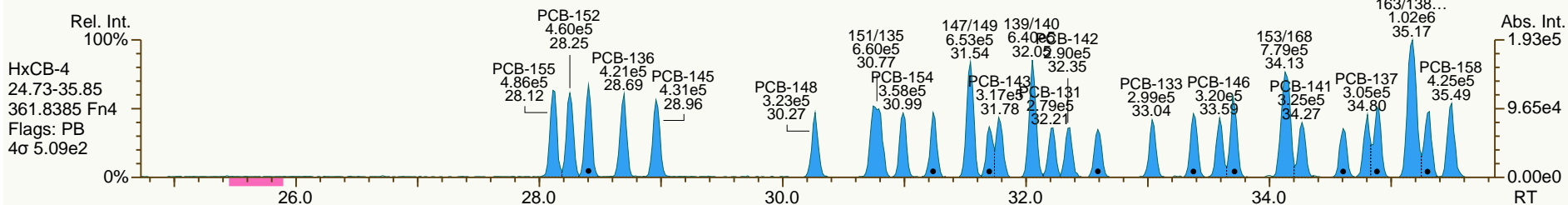
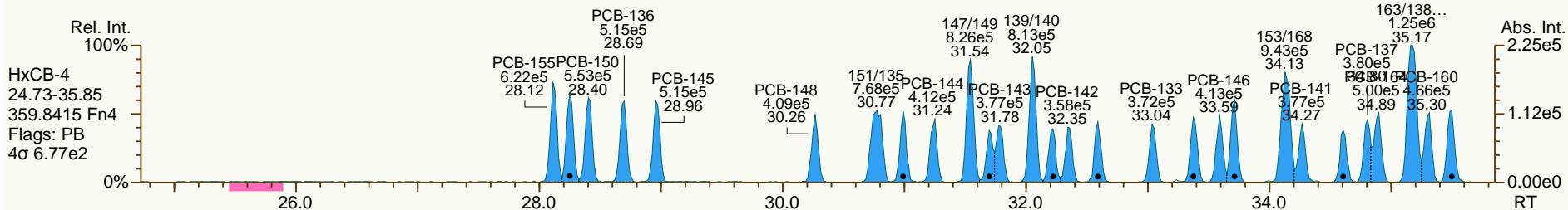
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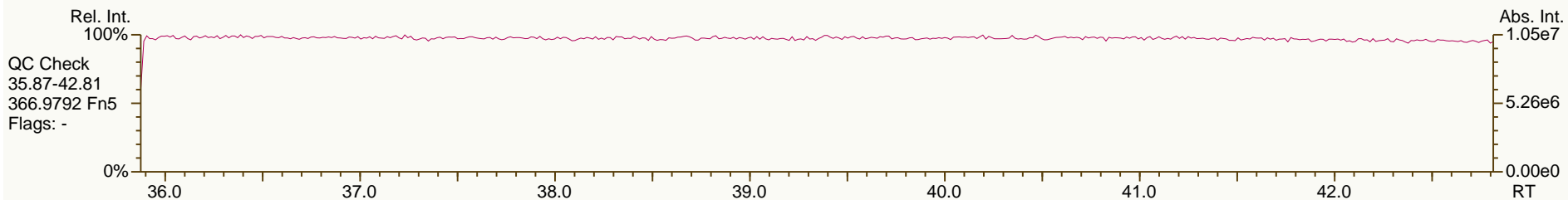
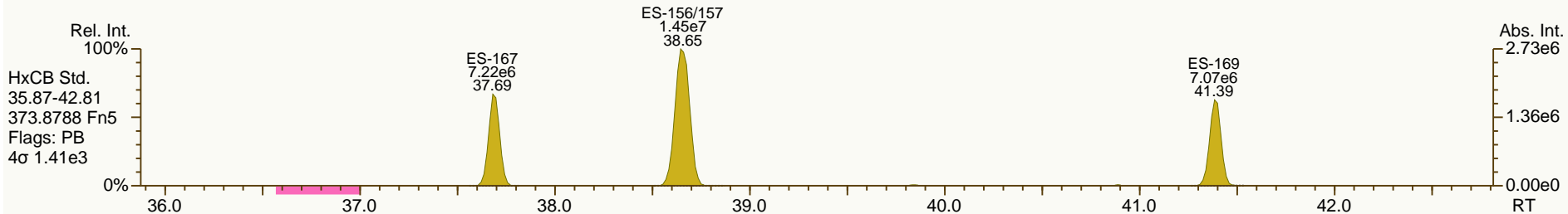
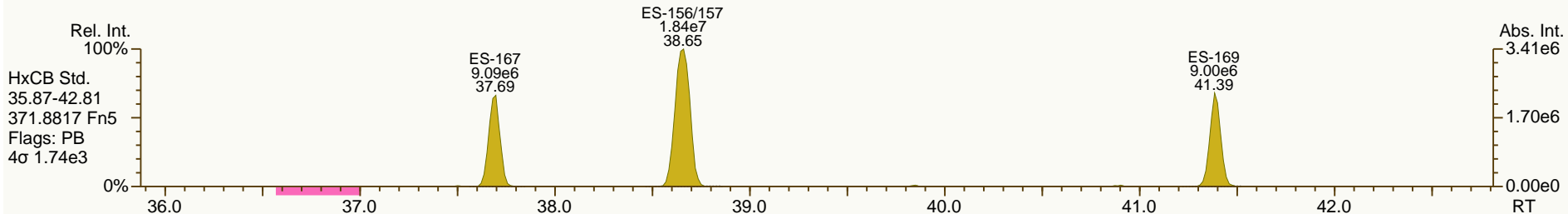
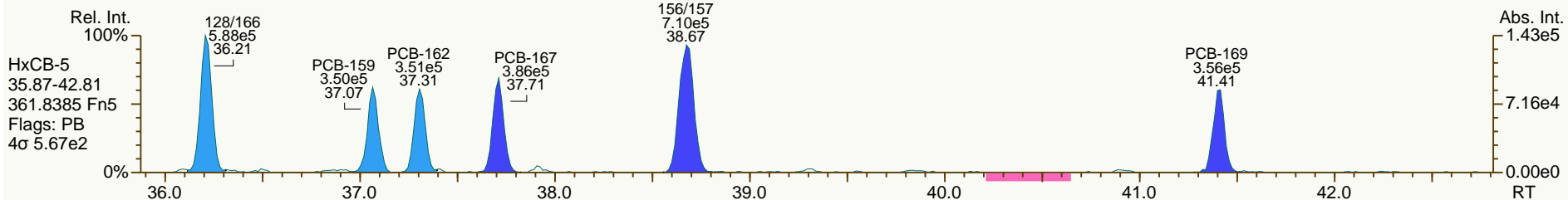
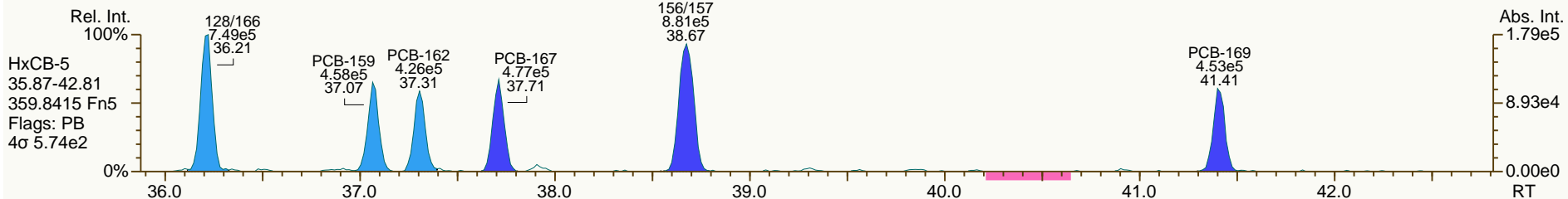
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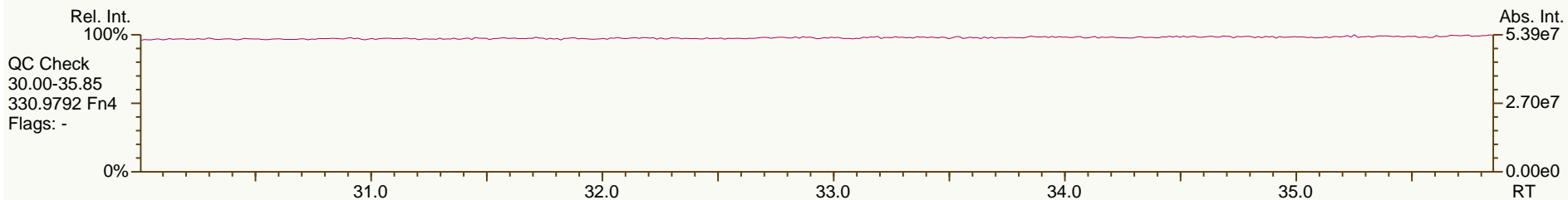
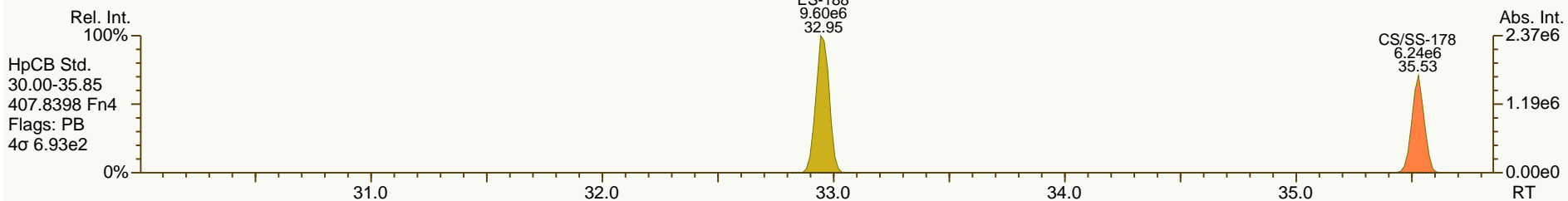
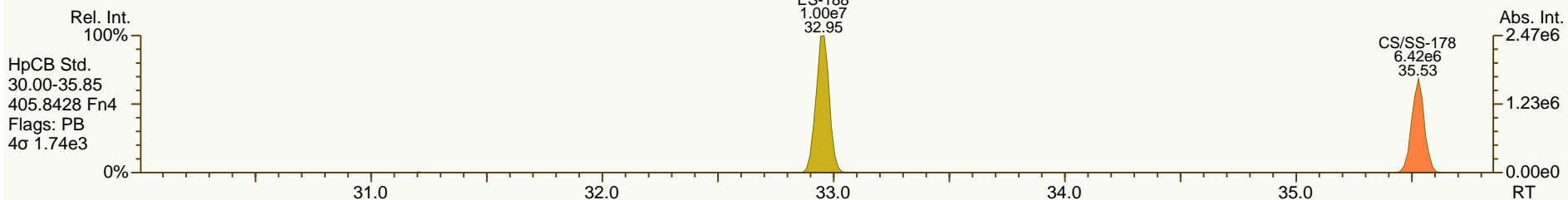
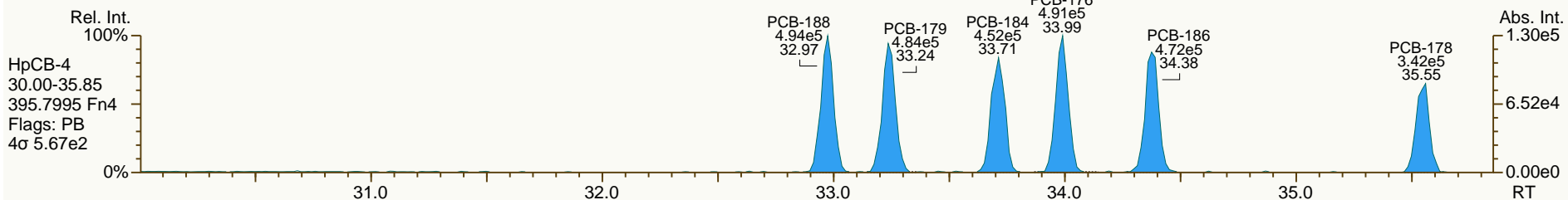
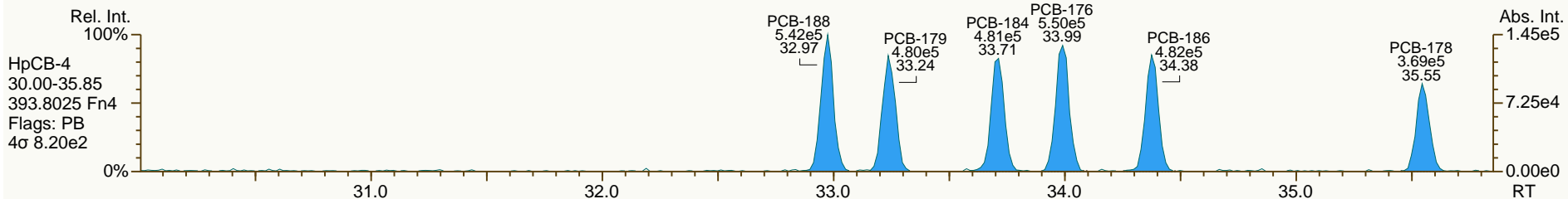
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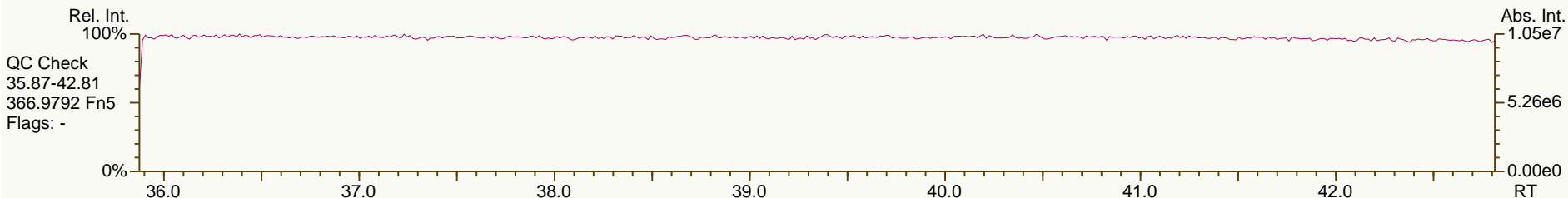
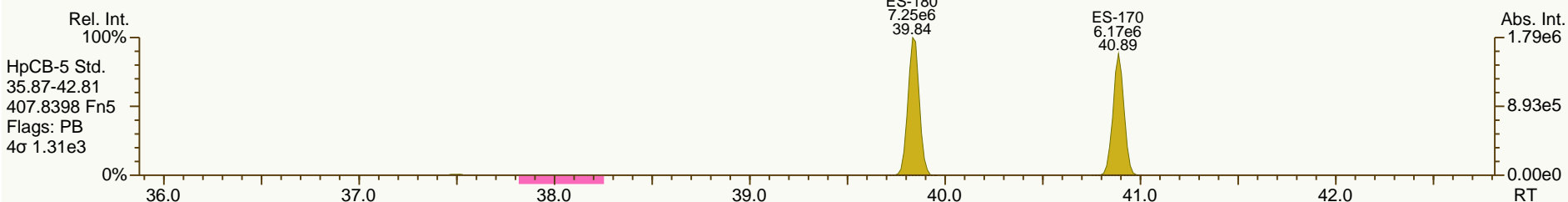
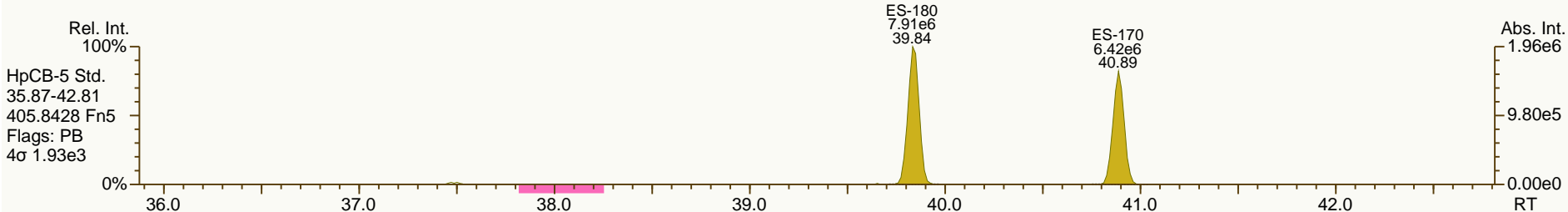
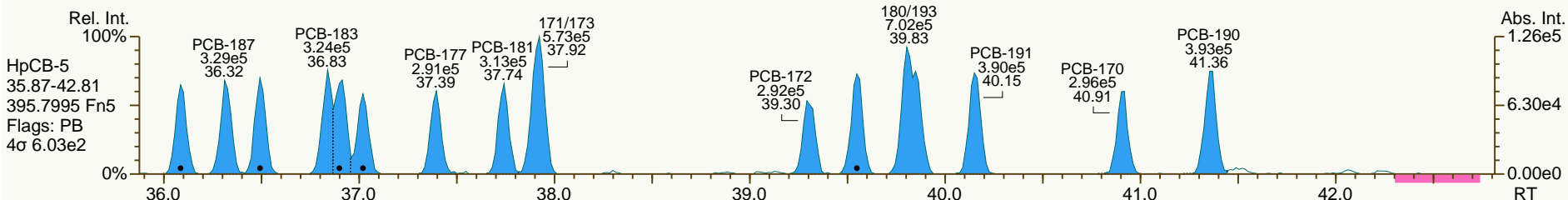
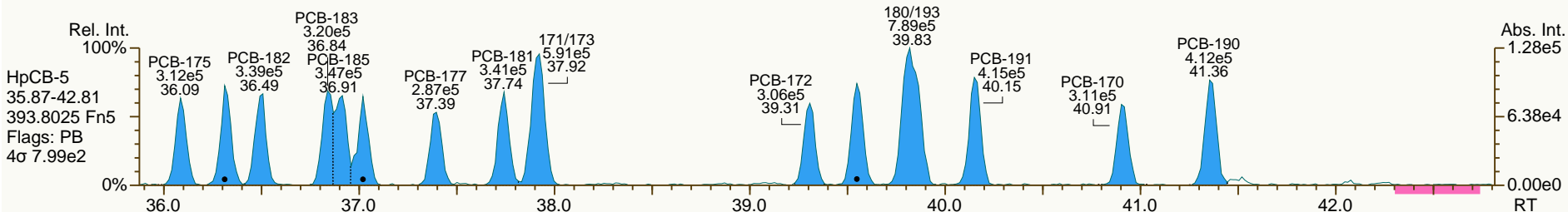
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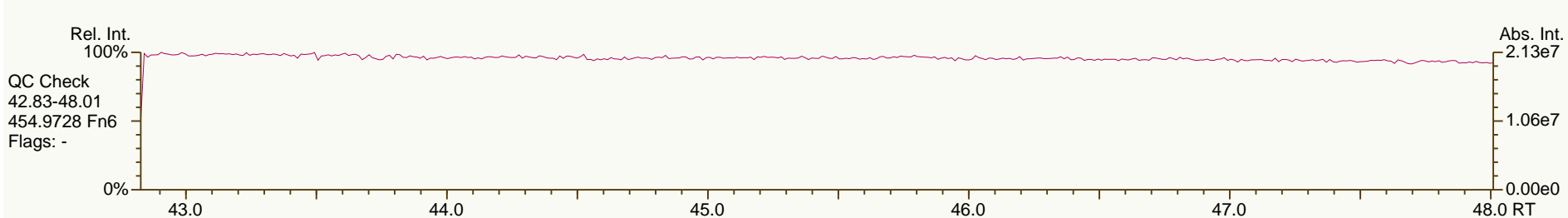
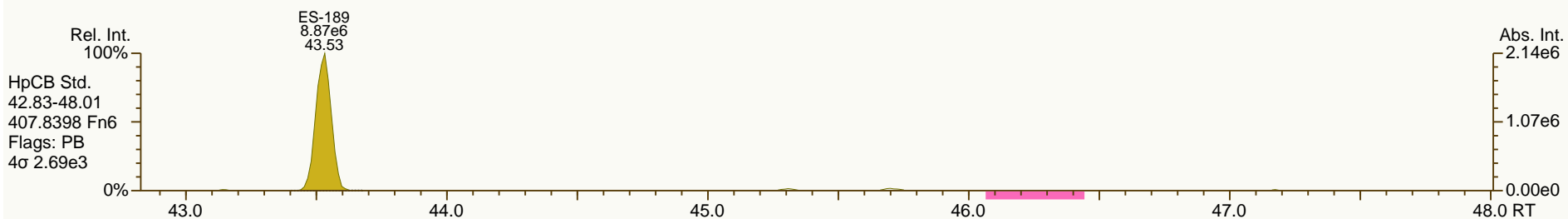
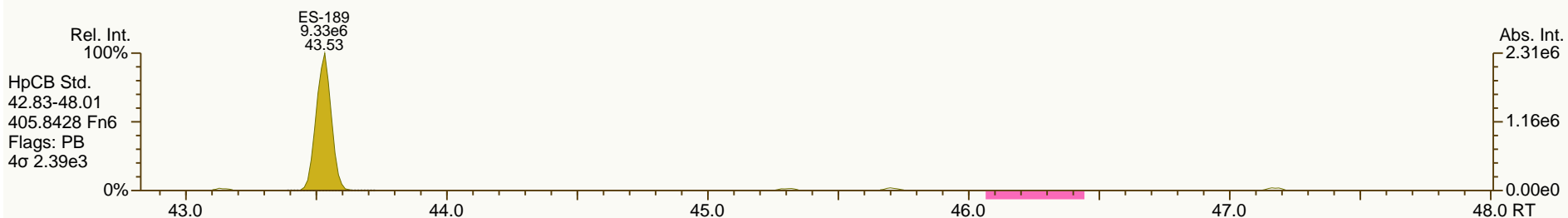
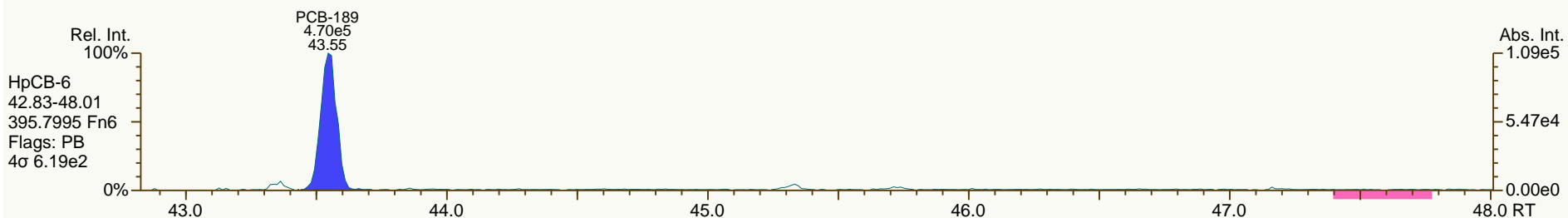
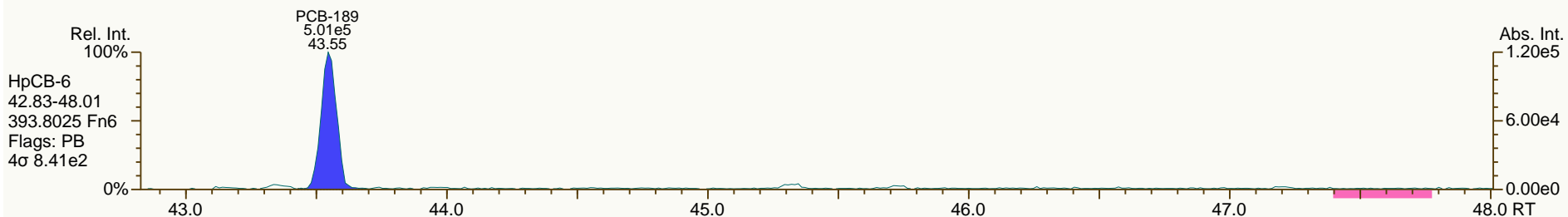
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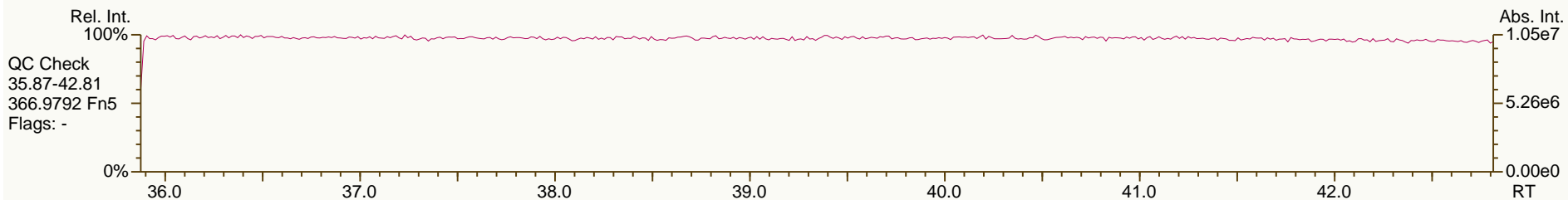
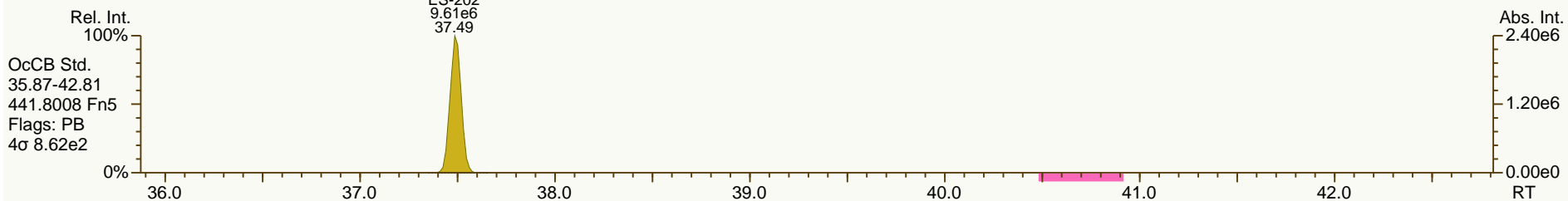
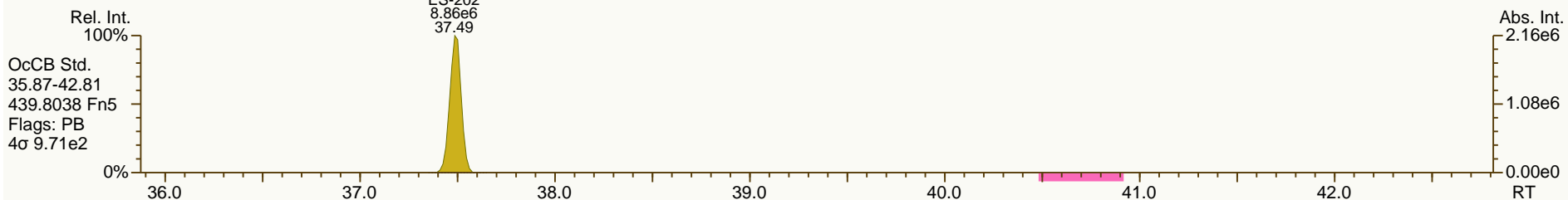
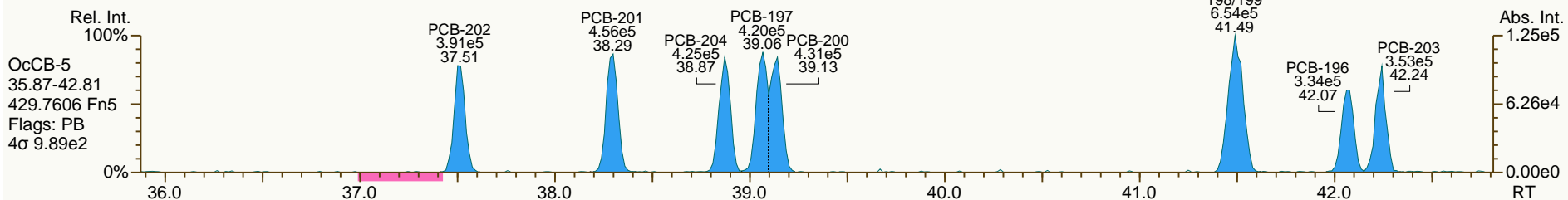
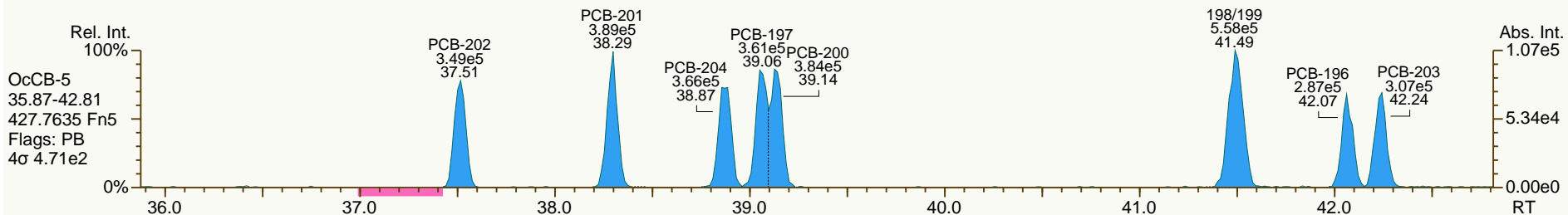
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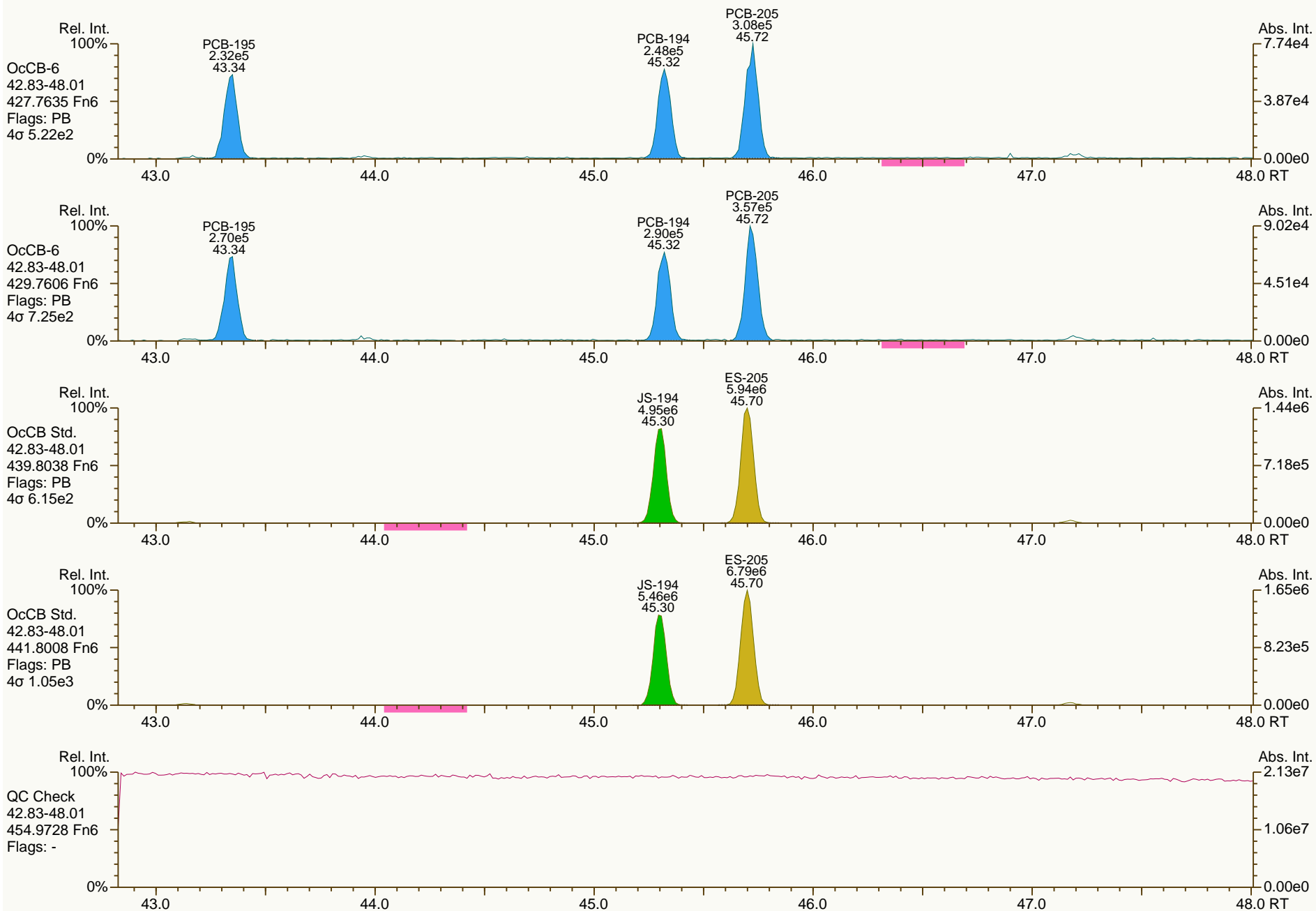
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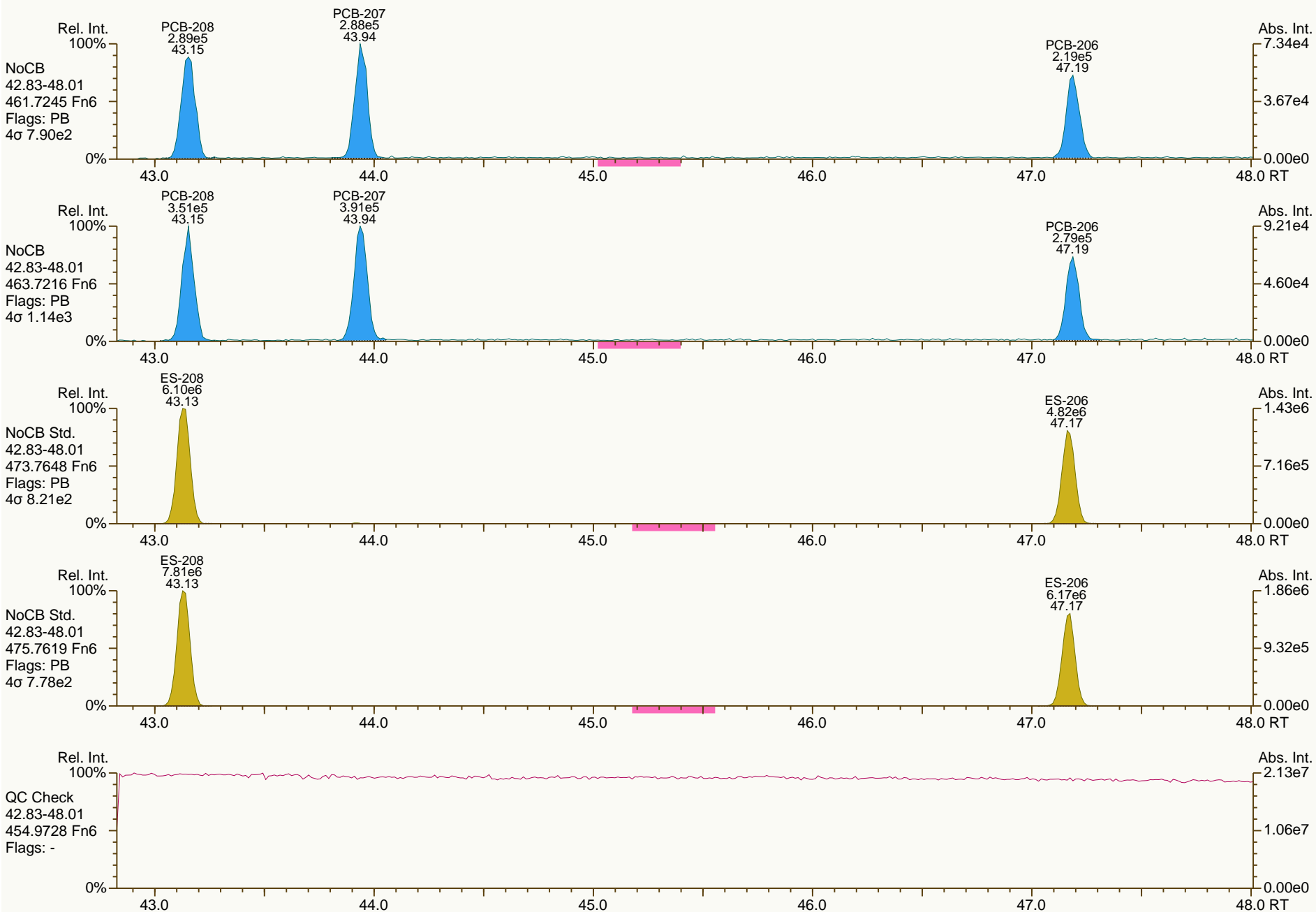
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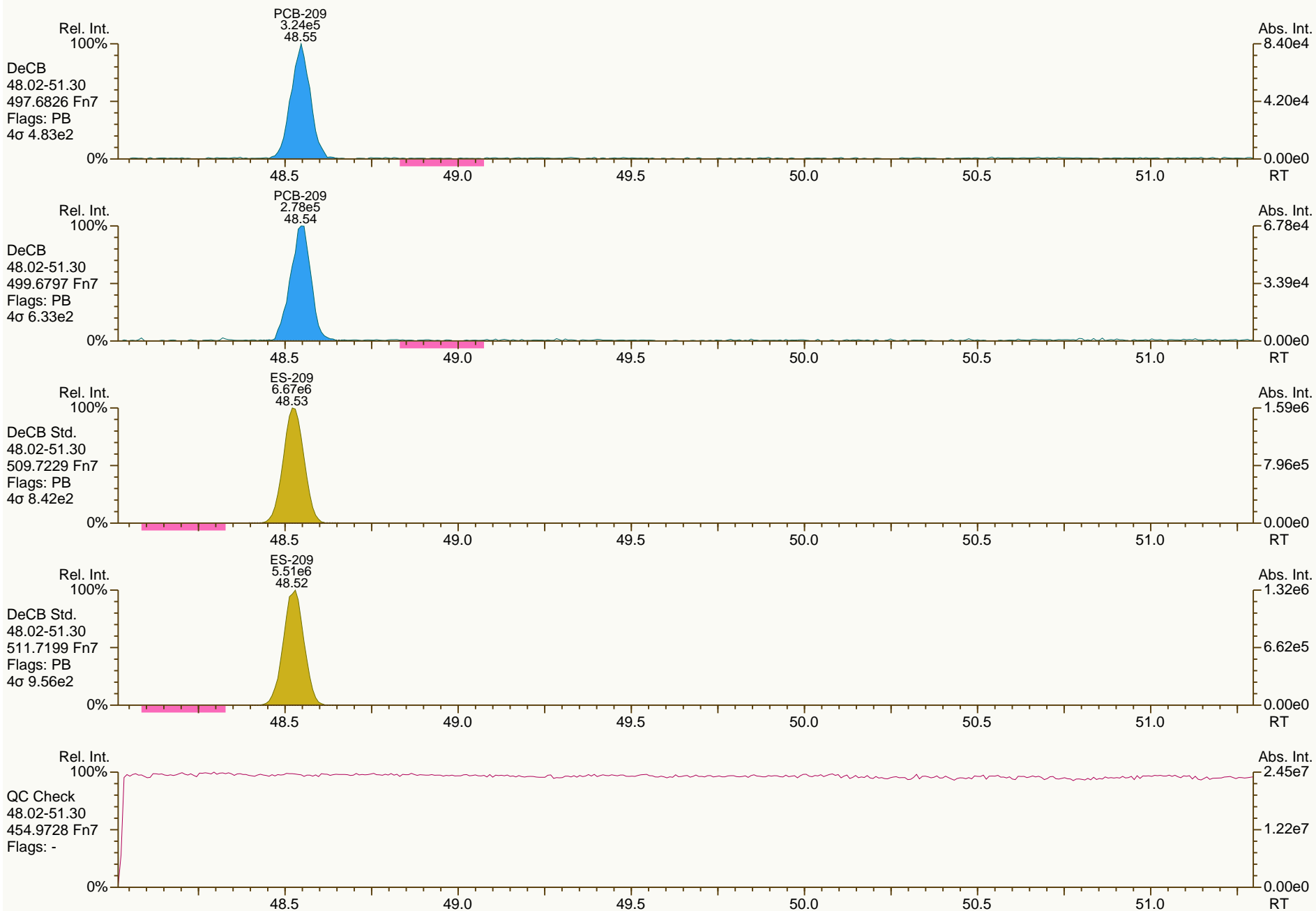
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 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB				ICAL: MM4_PCB_01102012_26JAN12		
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%	
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%	
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%	
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%	
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%	
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%	
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%	
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%	
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%	
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%	
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%	
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%	
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%	
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%	
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%	
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%	
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%	
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%	
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%	
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%	
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%	
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%	
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%	
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%	
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%	
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%	
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%	
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%	
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%	
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%	
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%	
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%	
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%	
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%	
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%	
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%	
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%	
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%	
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%	
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%	
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6'-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6'-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

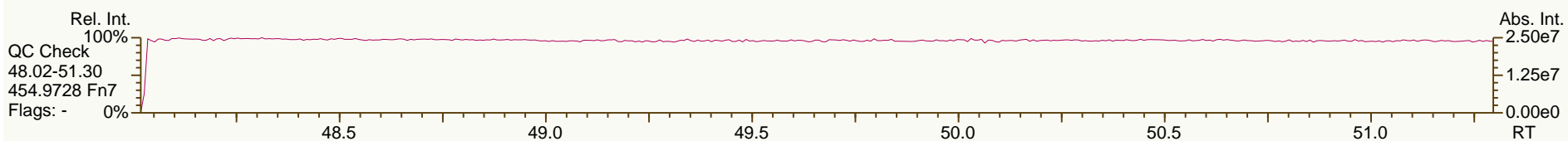
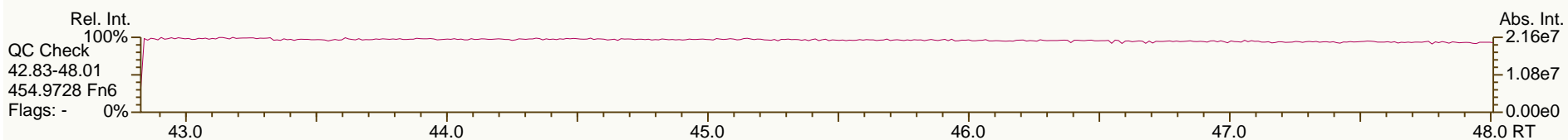
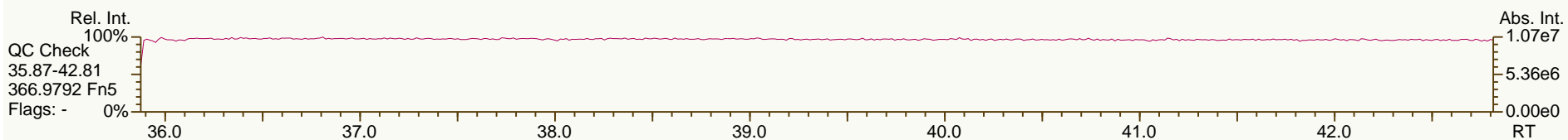
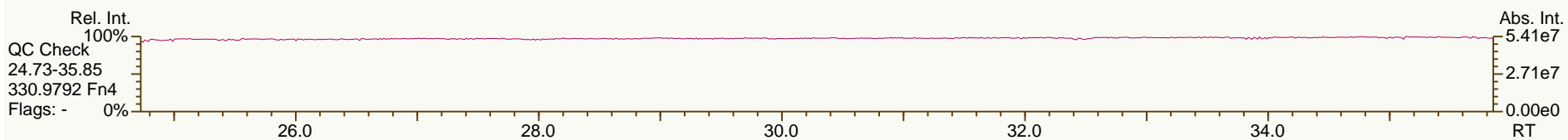
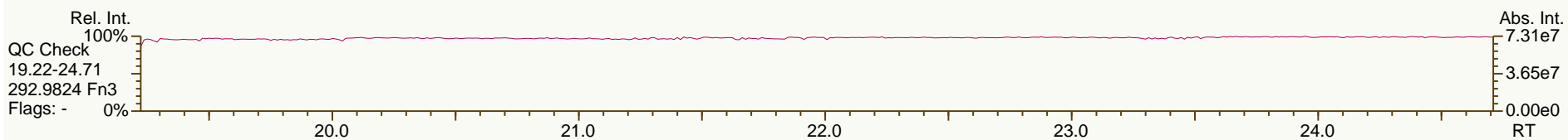
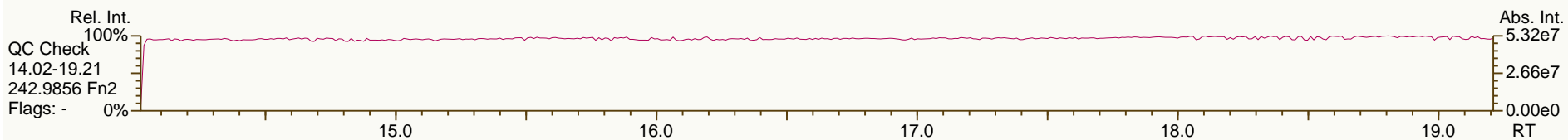
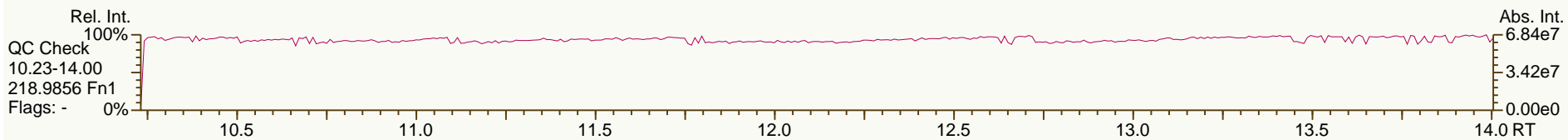
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
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Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

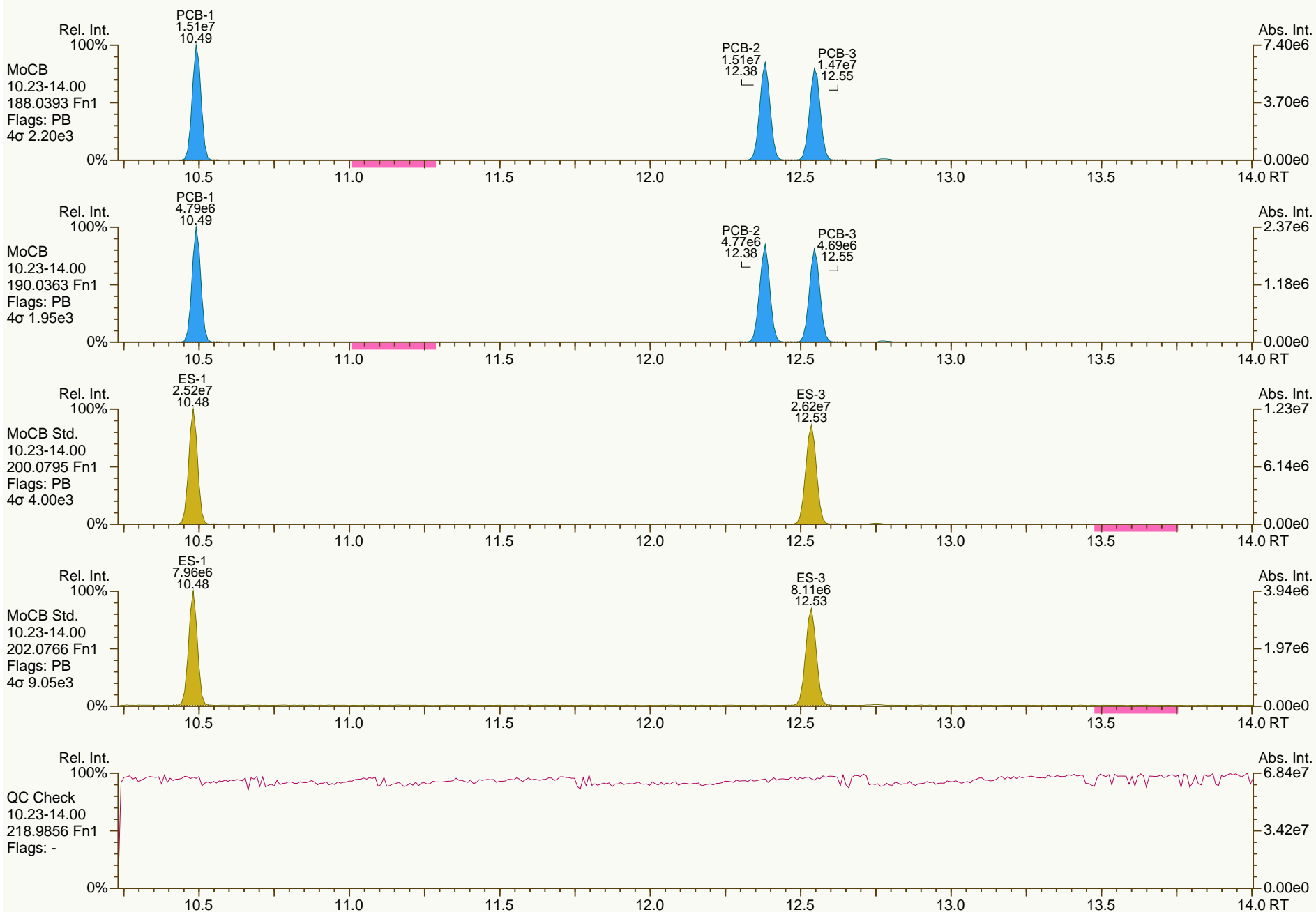
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AP Lab ID: CS3_120126_PCB_SB
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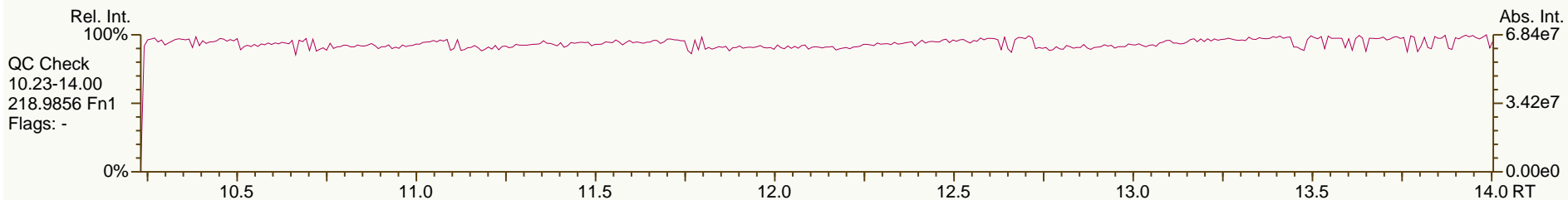
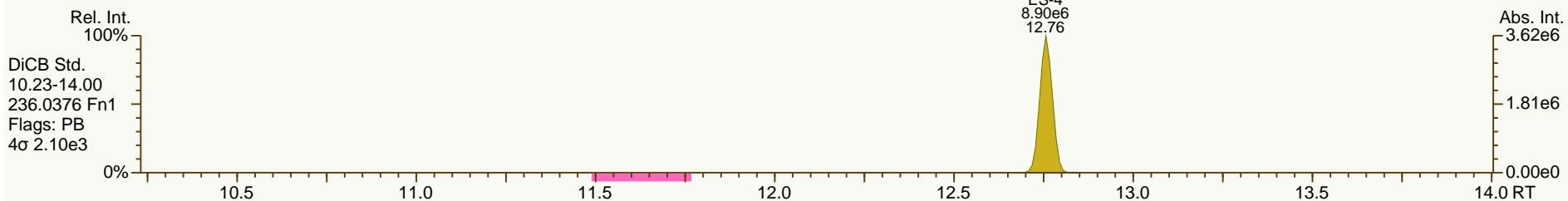
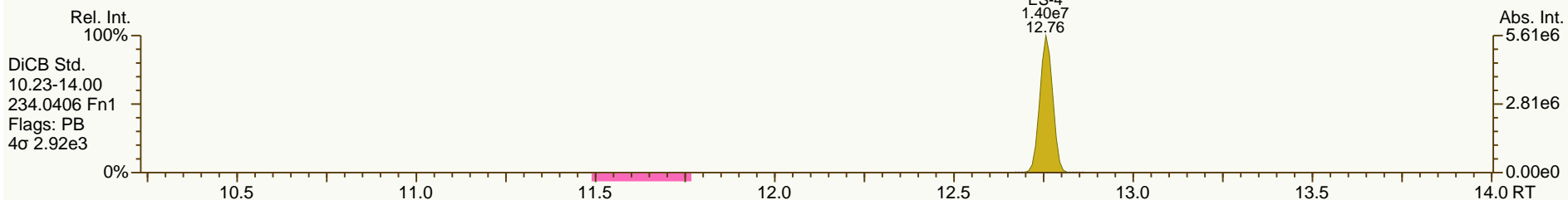
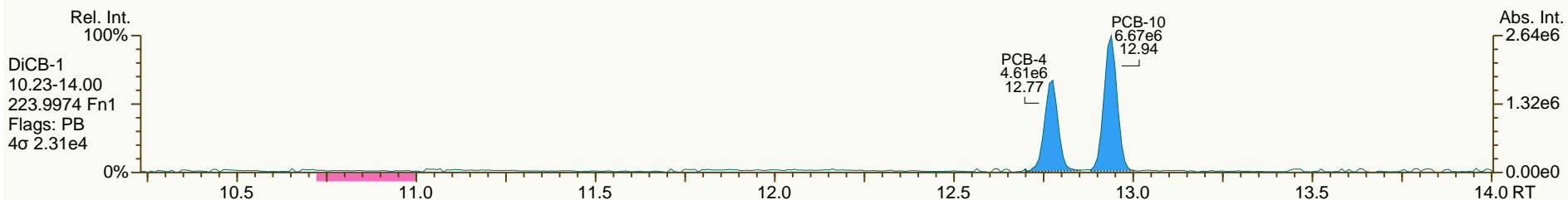
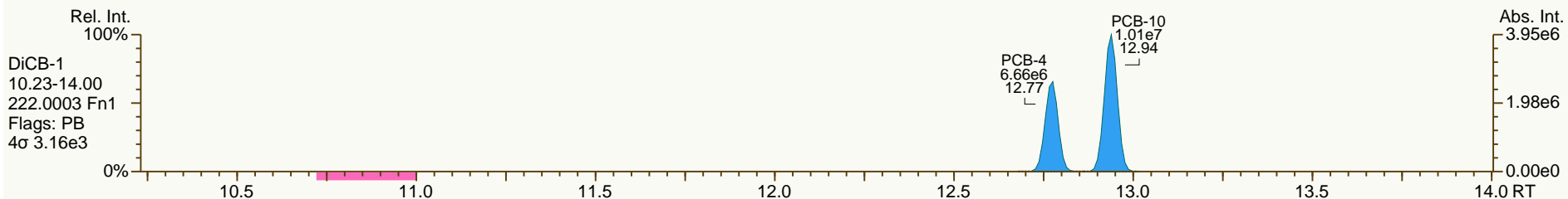
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
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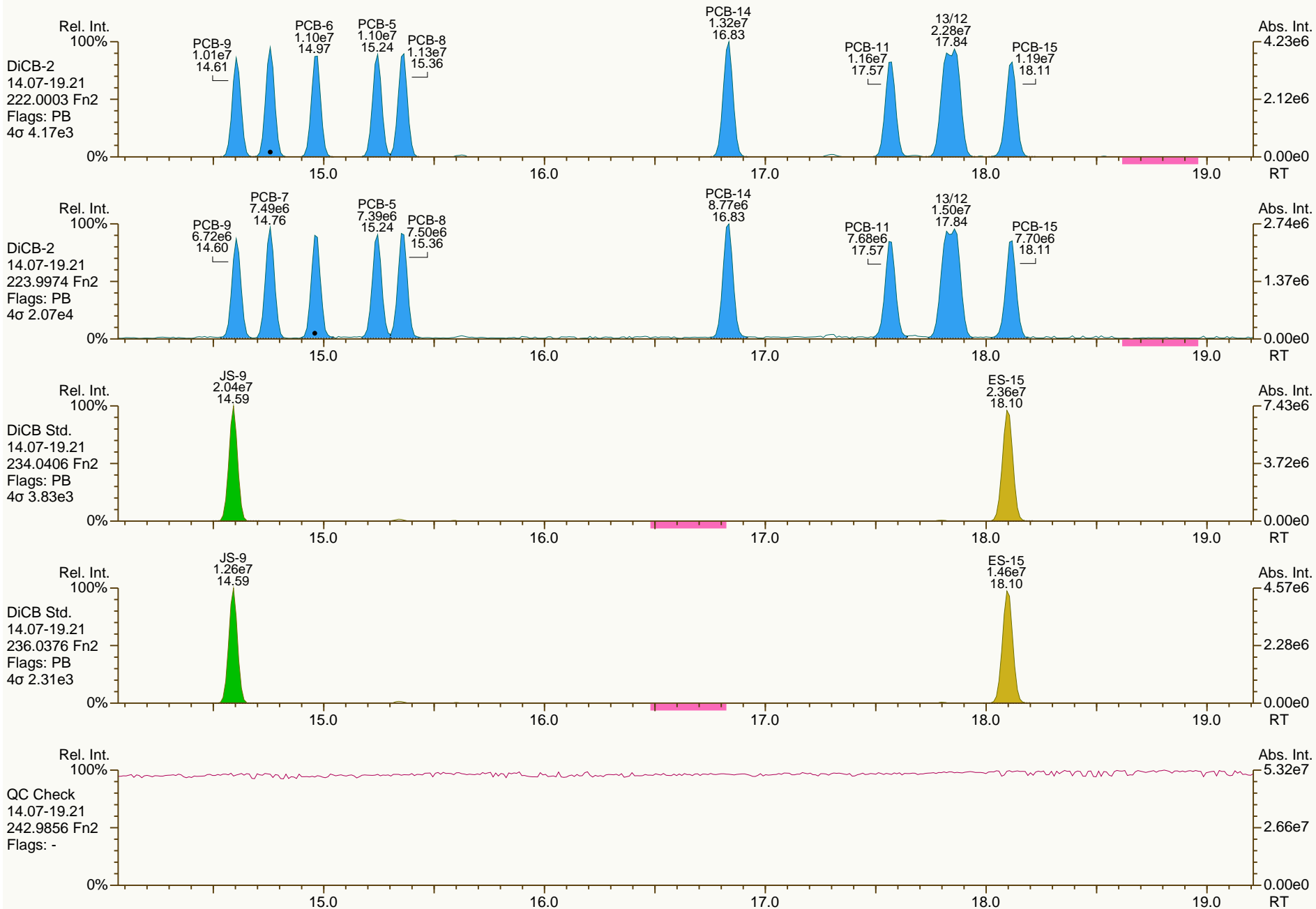
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AP Lab ID: CS3_120126_PCB_SB
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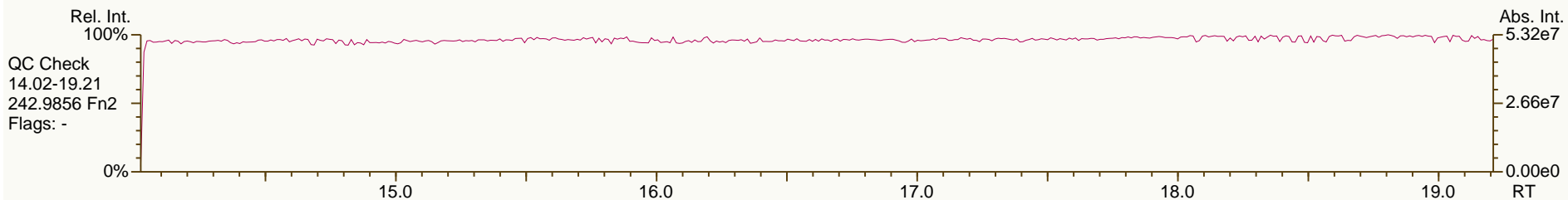
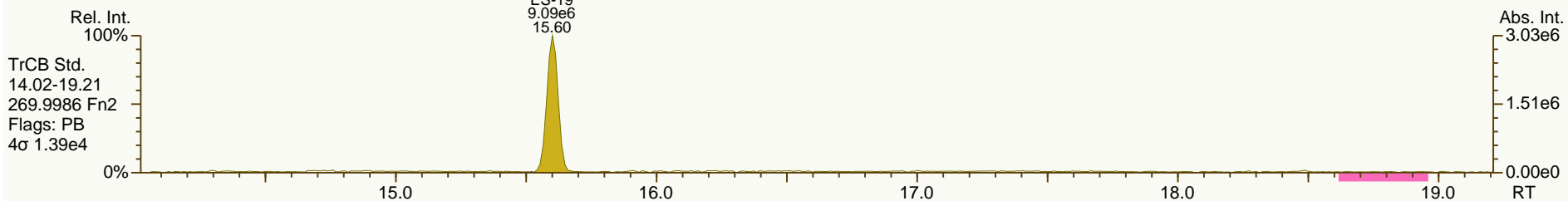
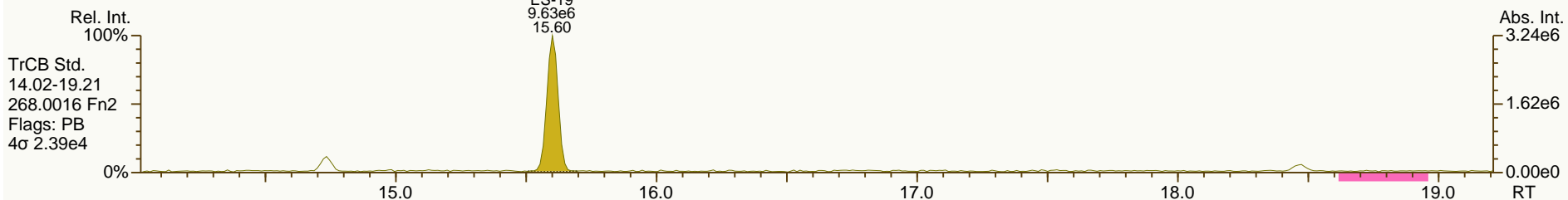
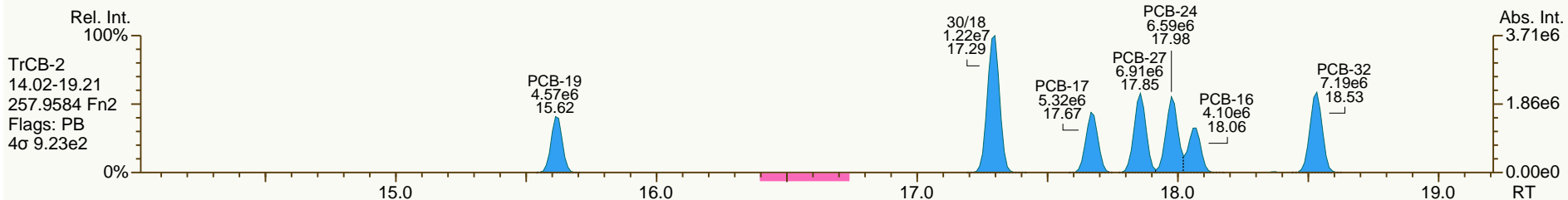
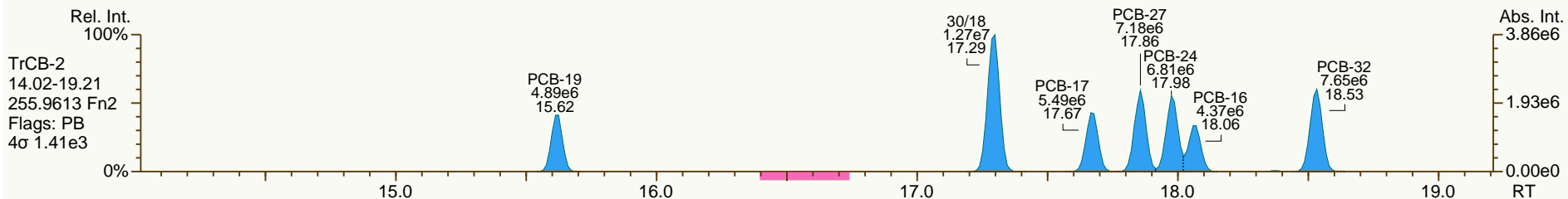
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AP Lab ID: CS3_120126_PCB_SB
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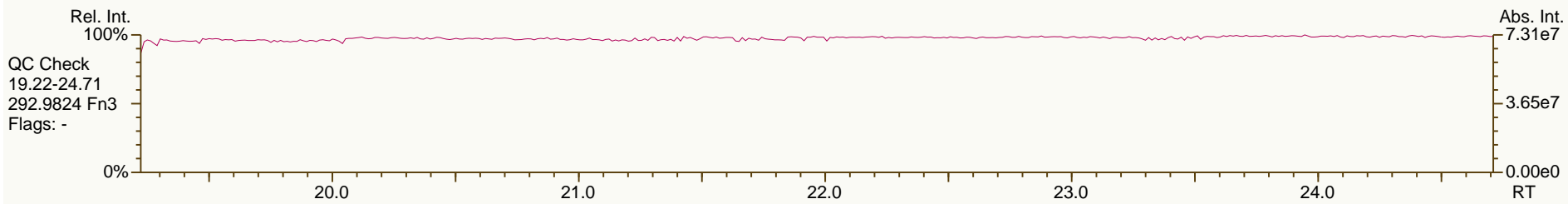
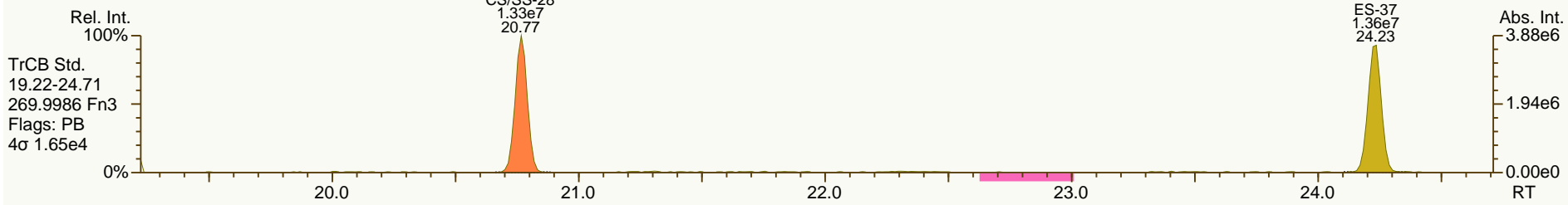
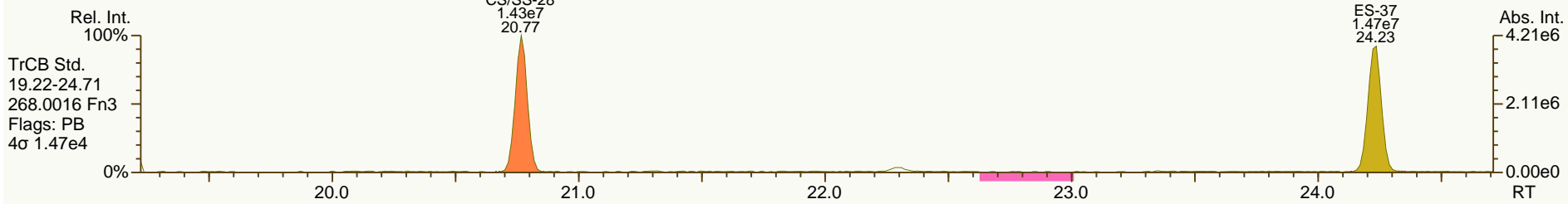
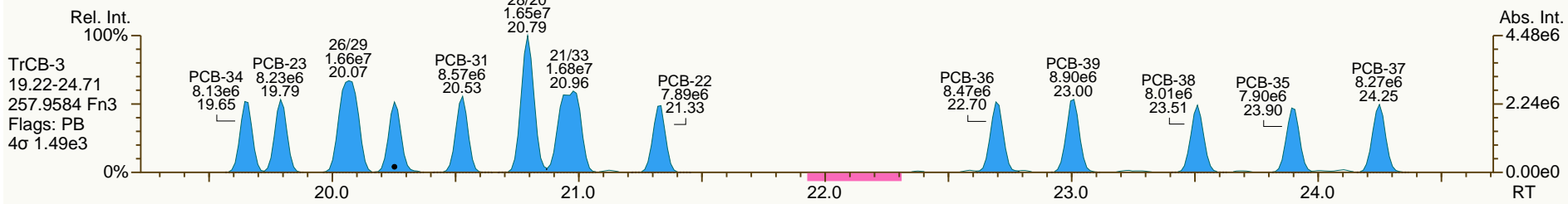
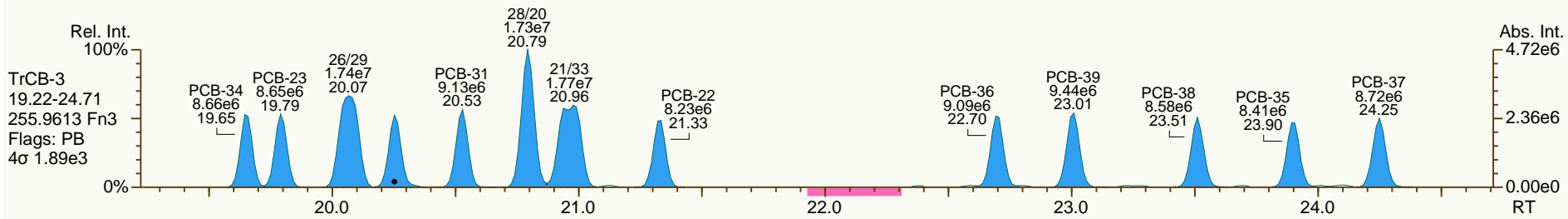
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AP Lab ID: CS3_120126_PCB_SB
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Sample ID: SIL 12-5-3
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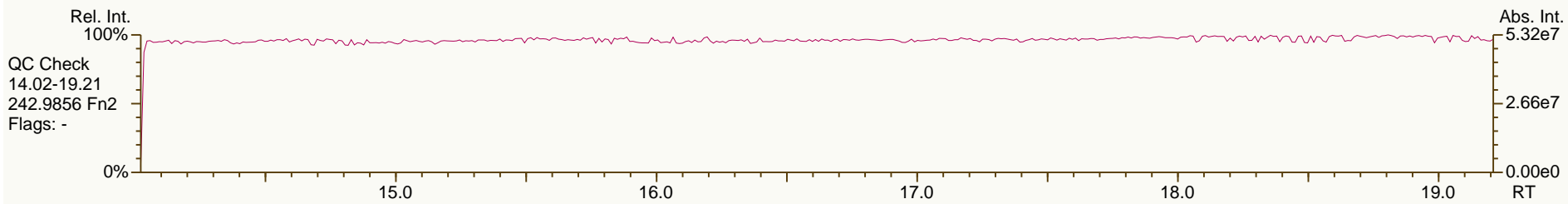
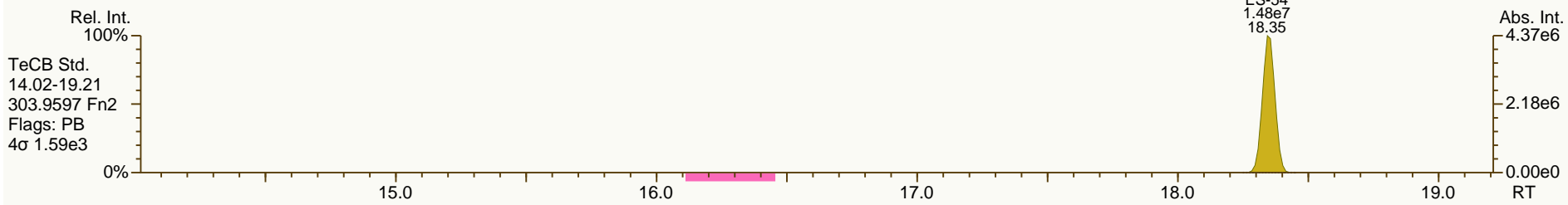
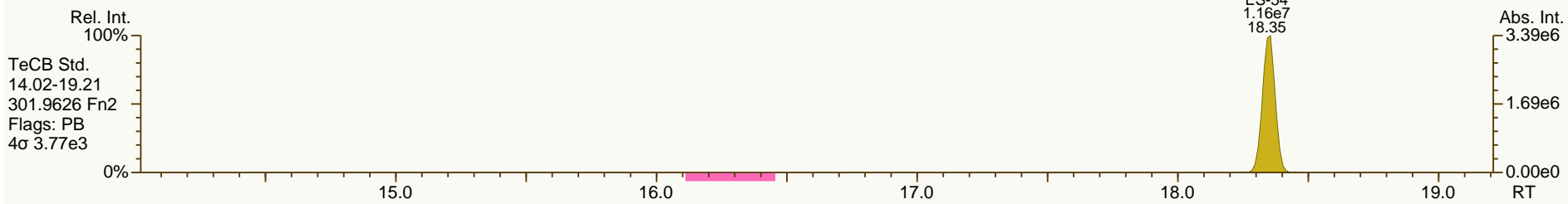
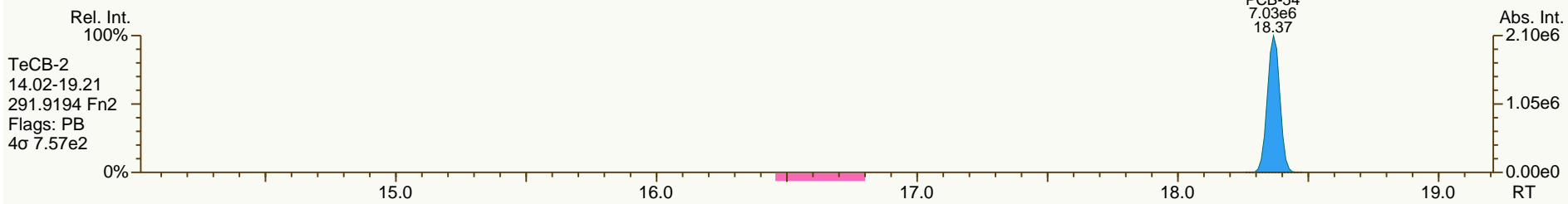
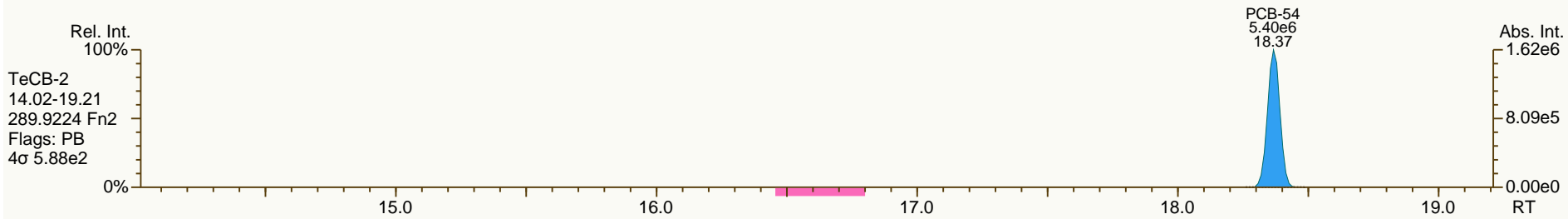
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

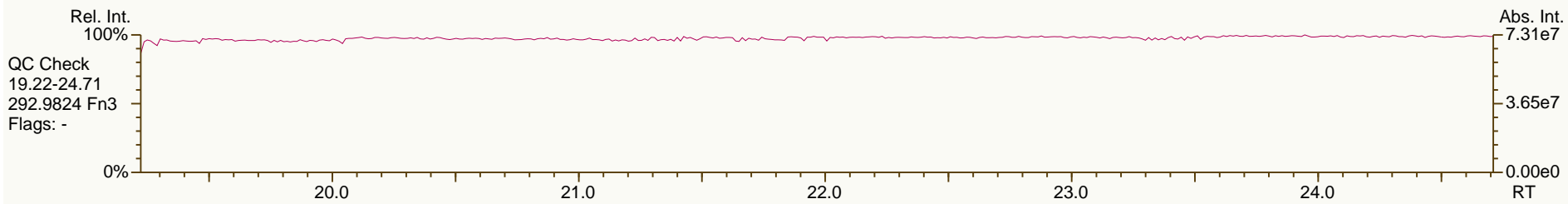
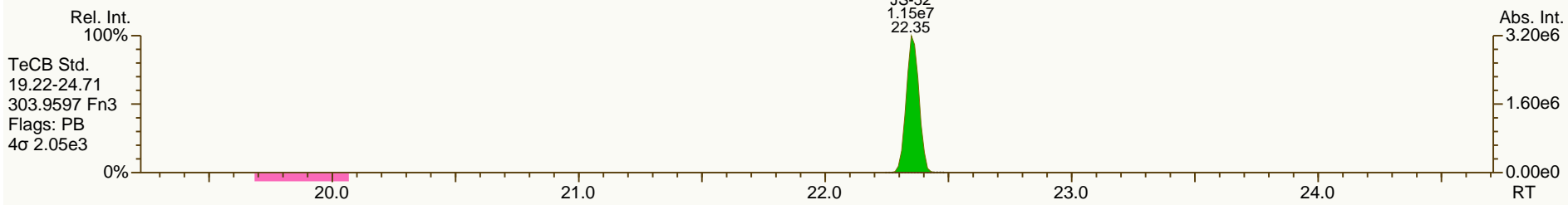
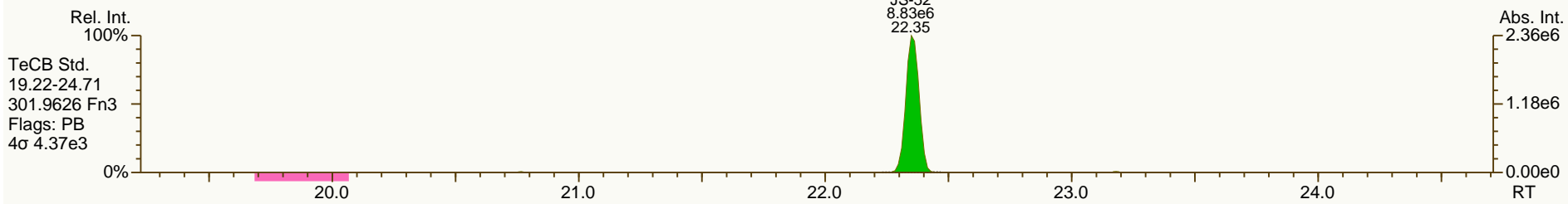
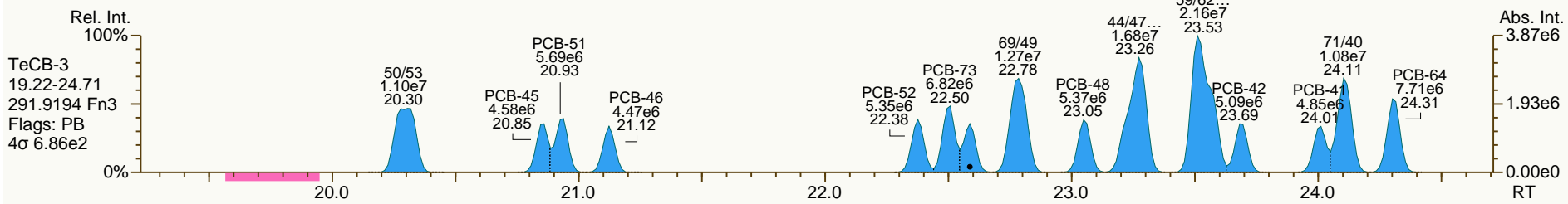
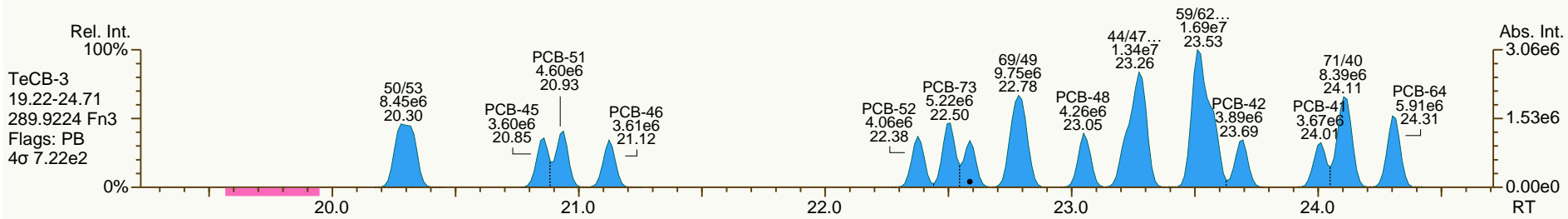
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
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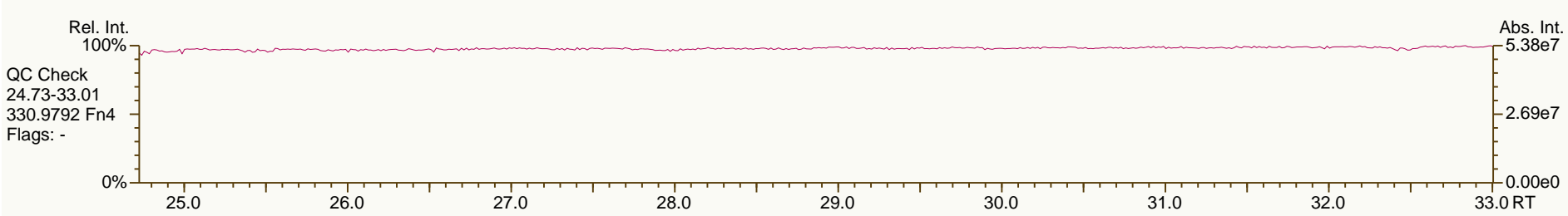
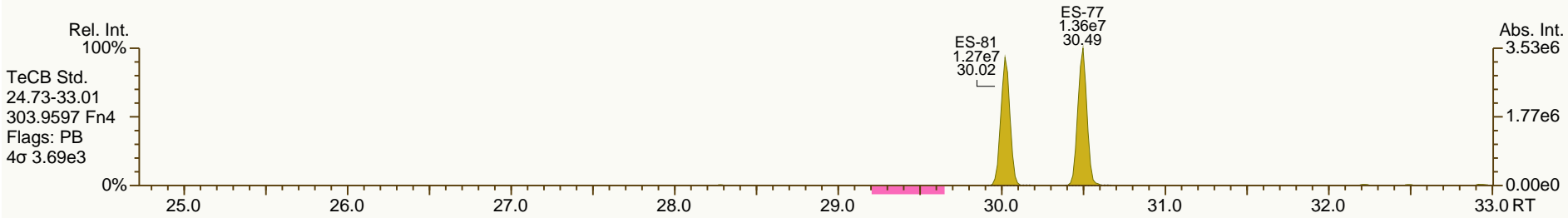
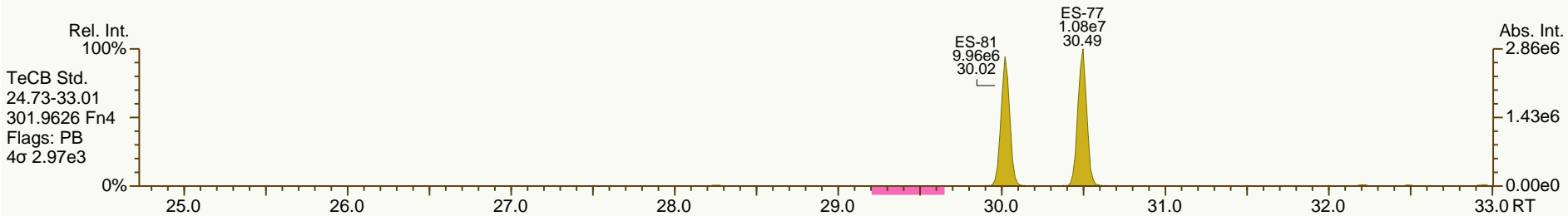
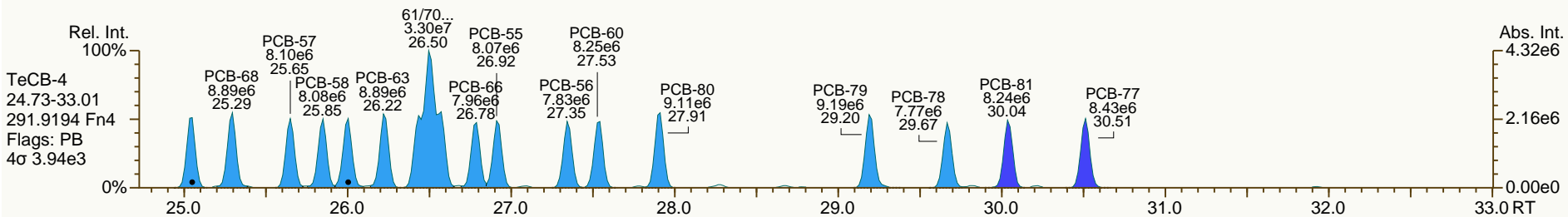
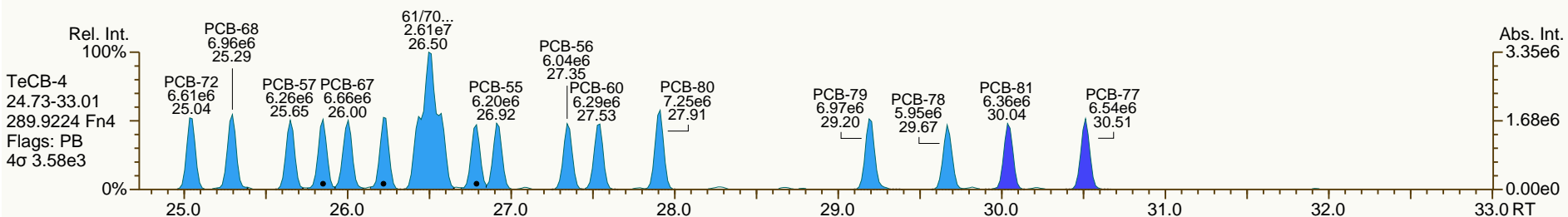
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AP Lab ID: CS3_120126_PCB_SB
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Sample ID: SIL 12-5-3
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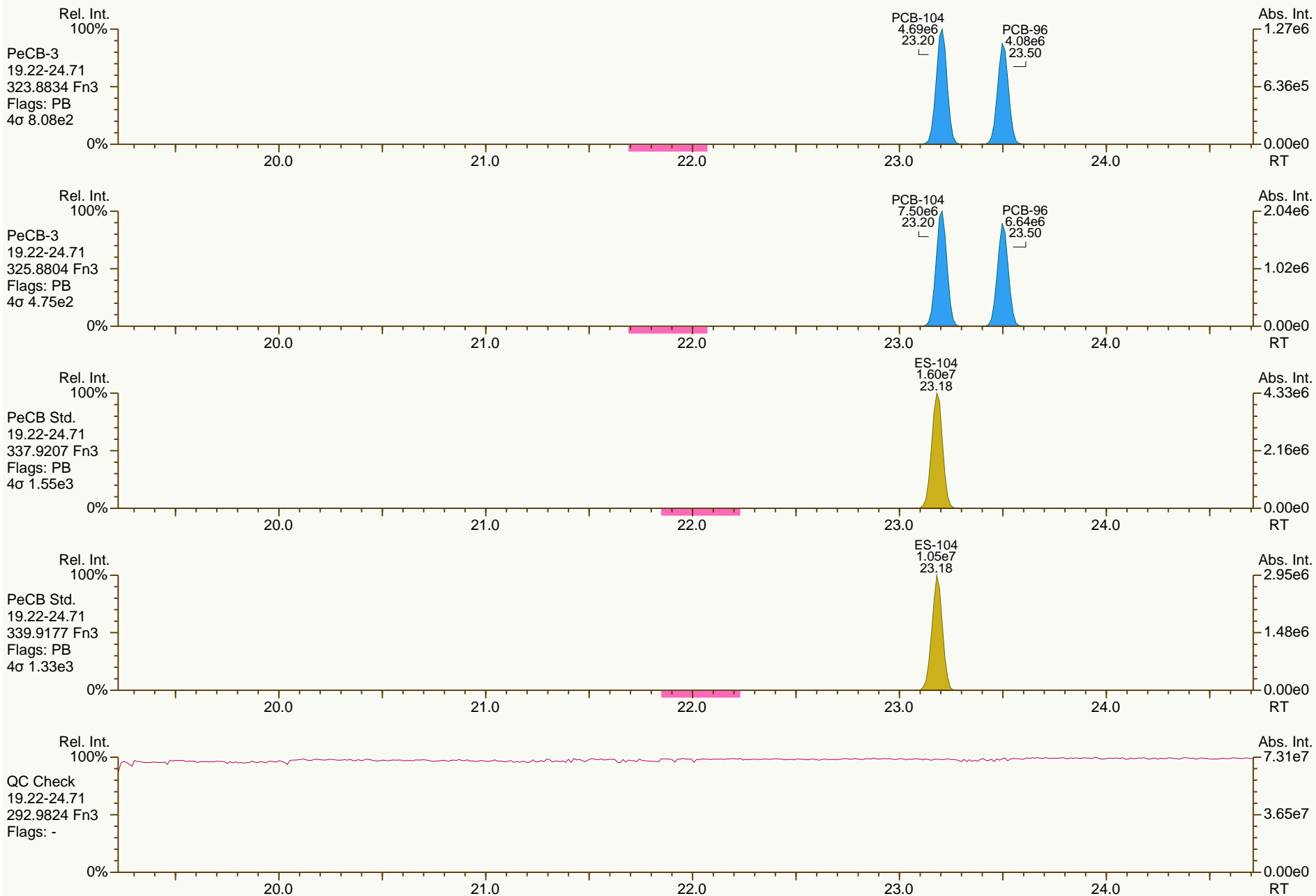
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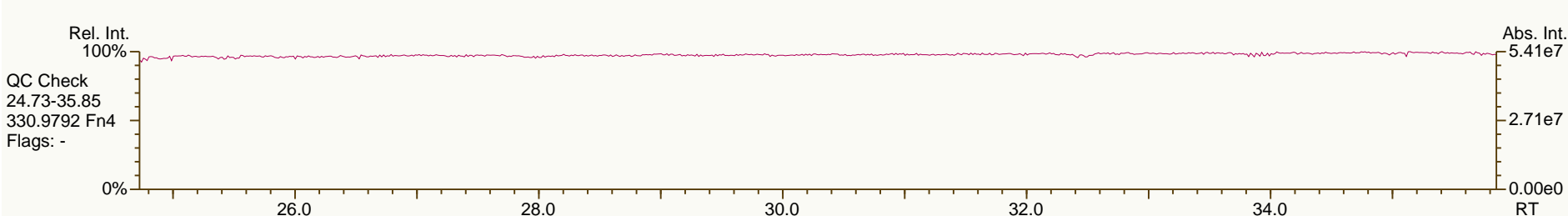
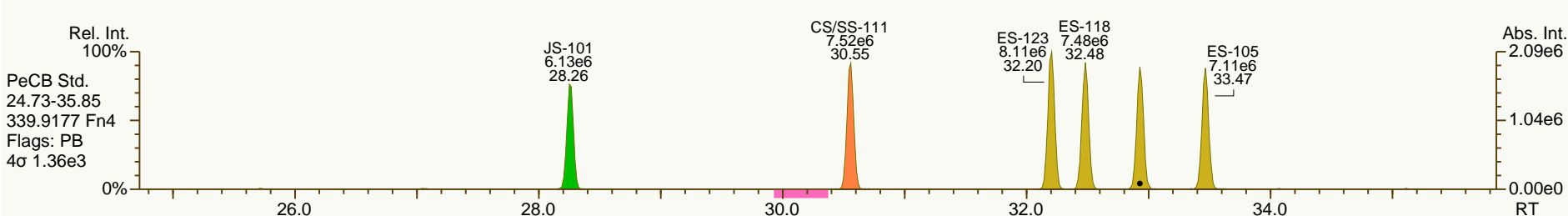
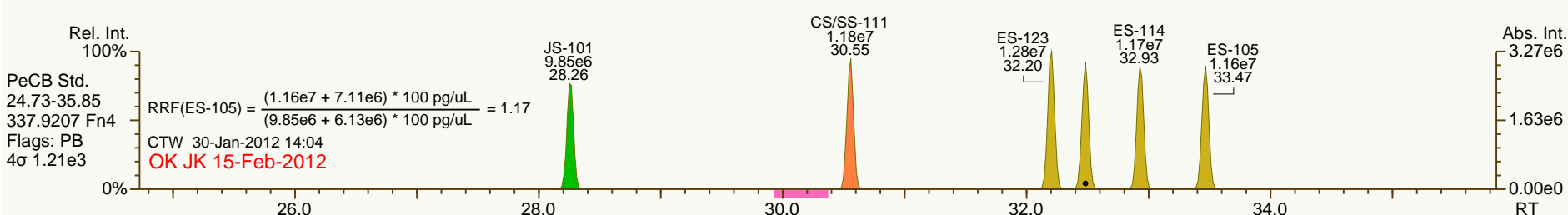
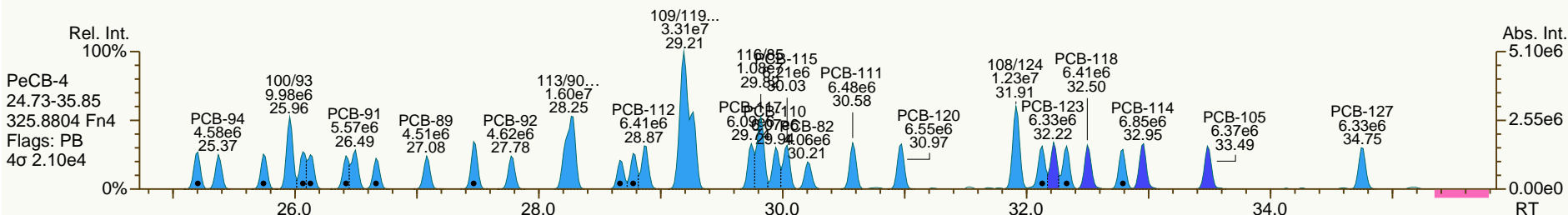
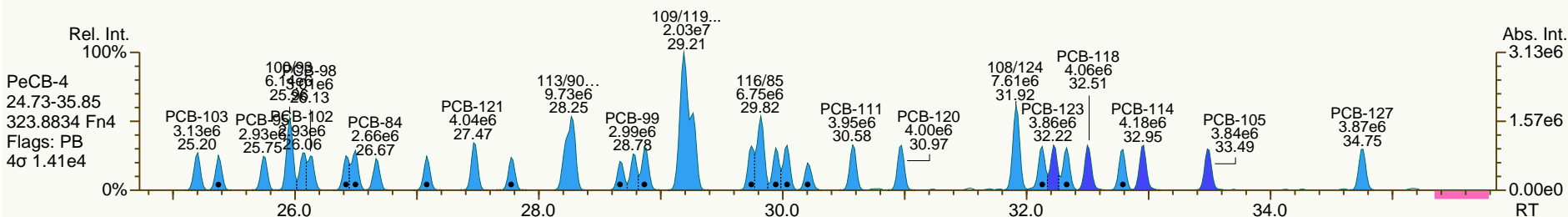
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AP Lab ID: CS3_120126_PCB_SB
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Sample ID: SIL 12-5-3
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

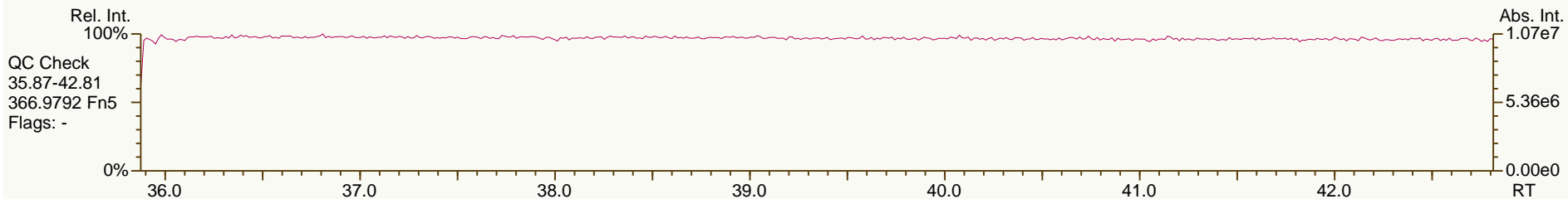
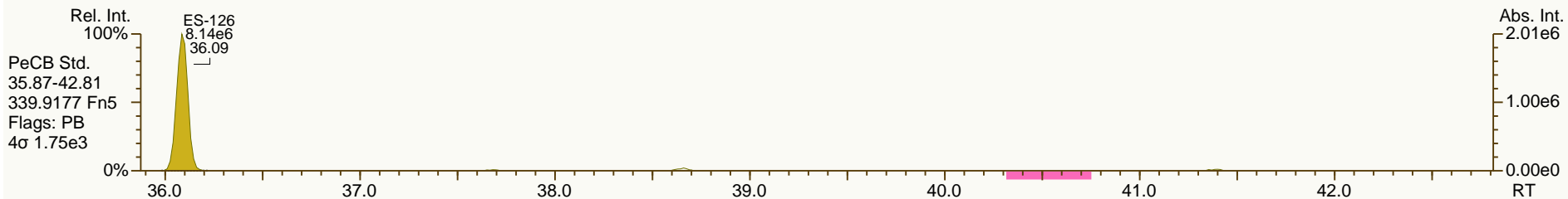
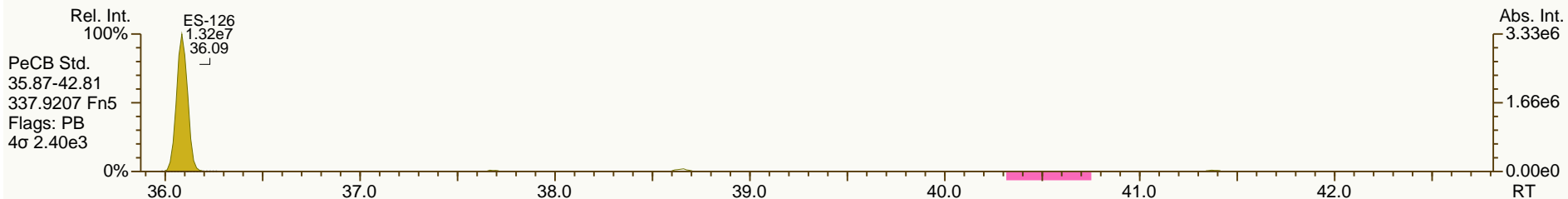
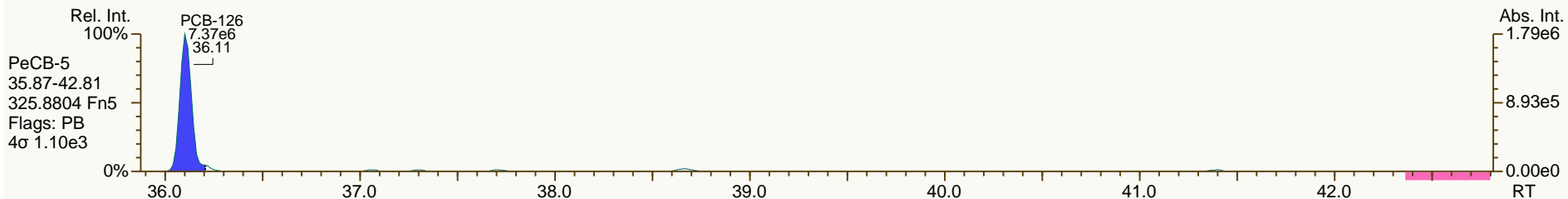
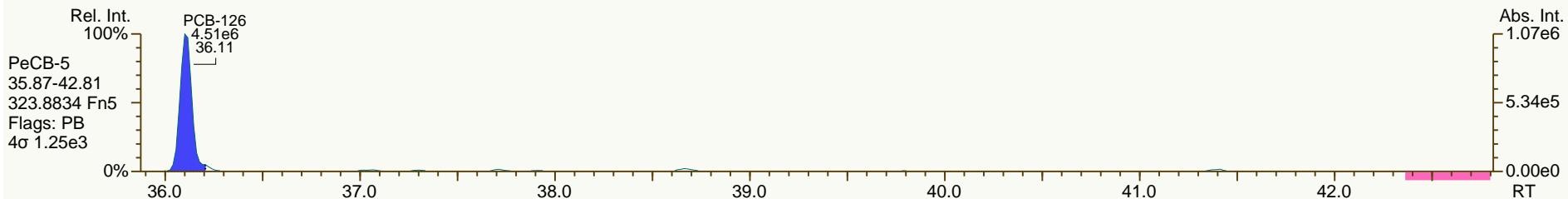
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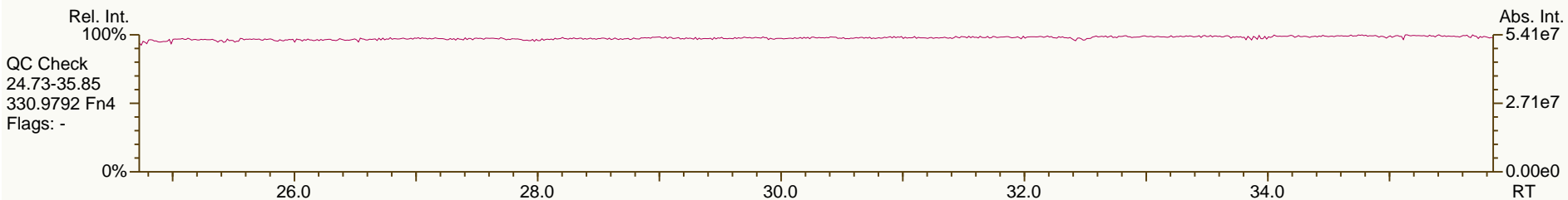
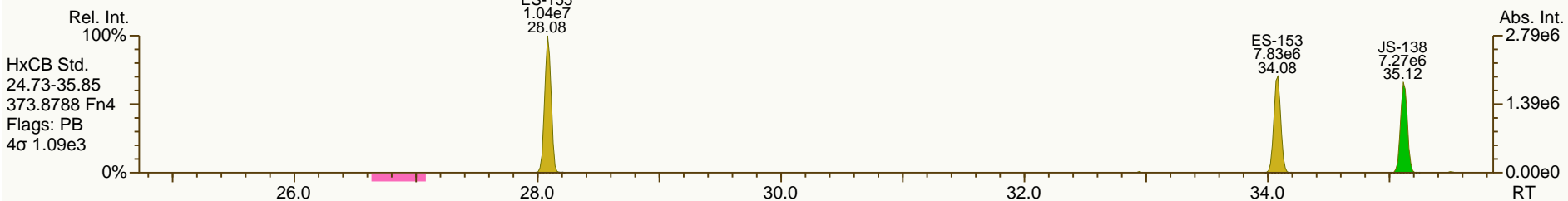
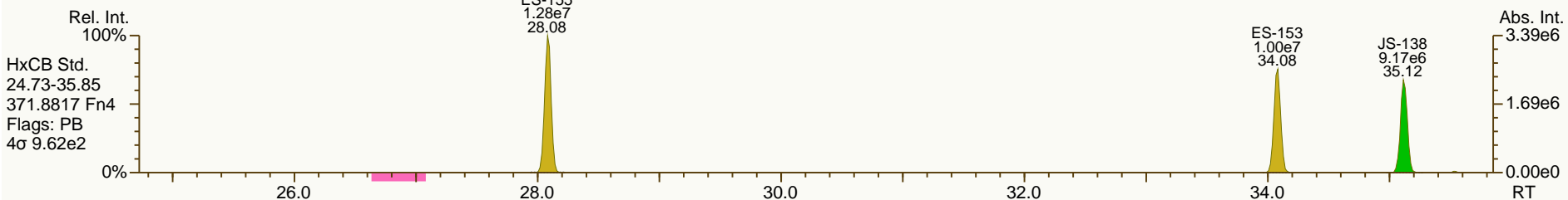
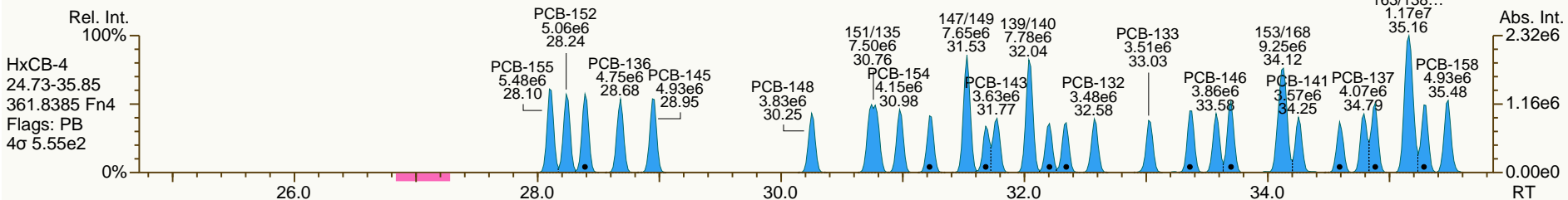
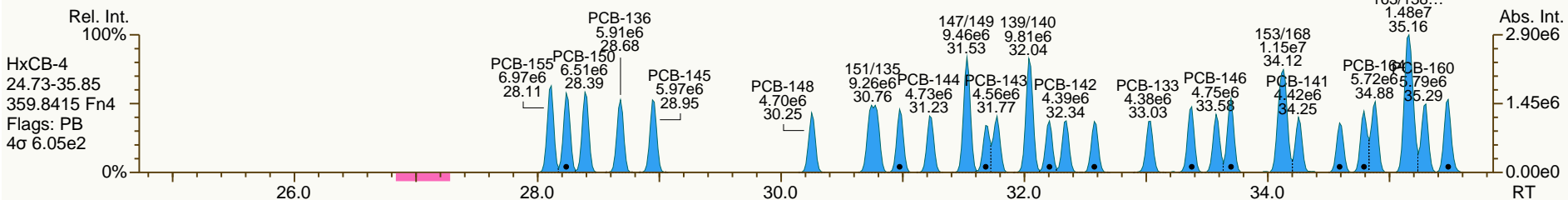
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 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

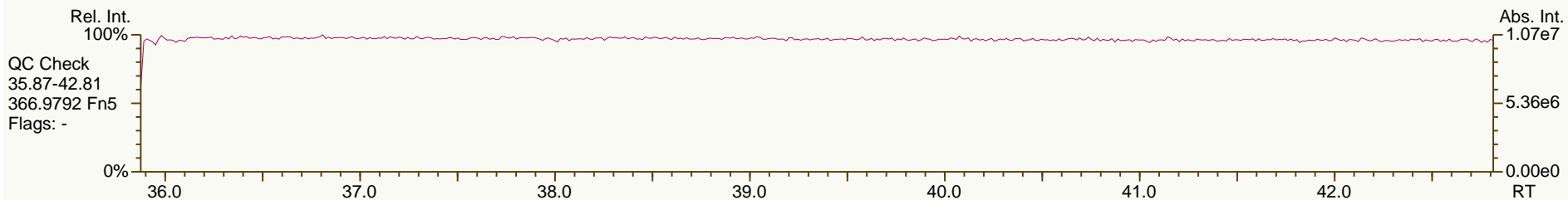
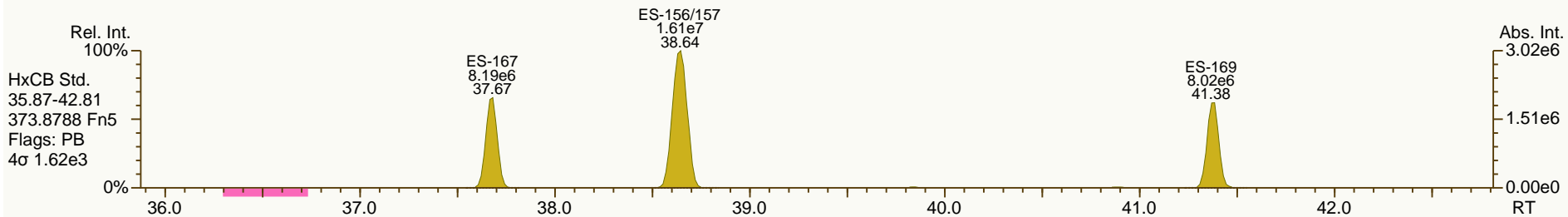
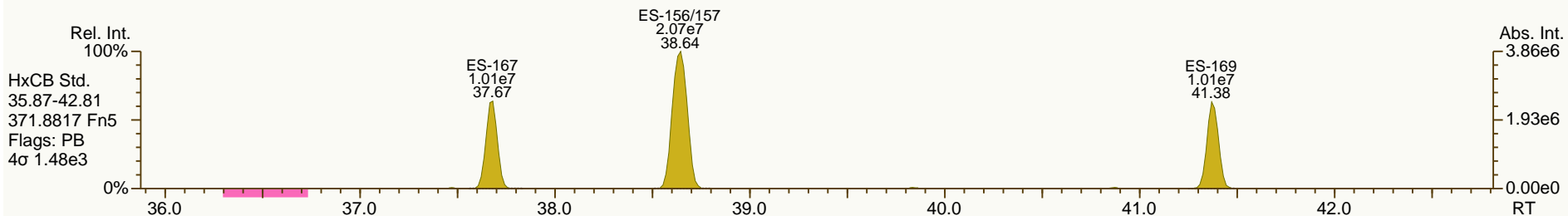
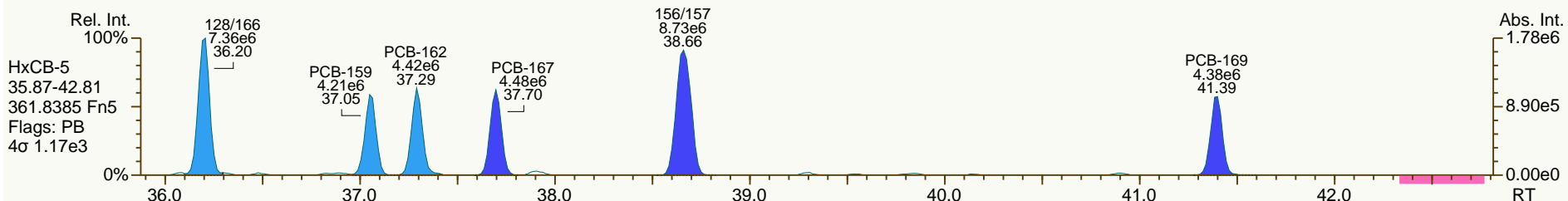
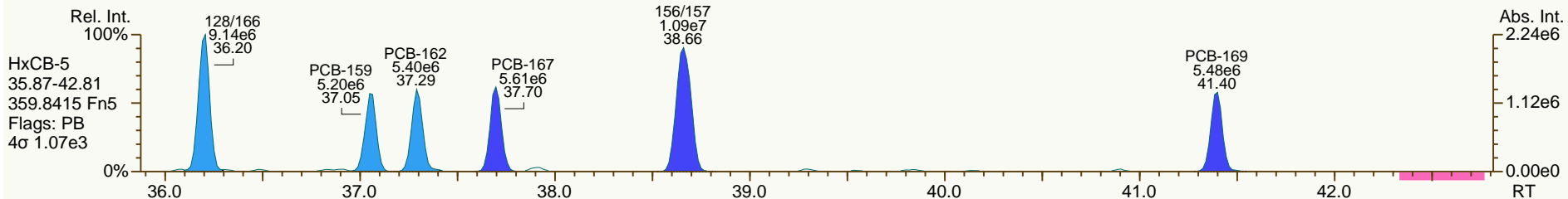
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

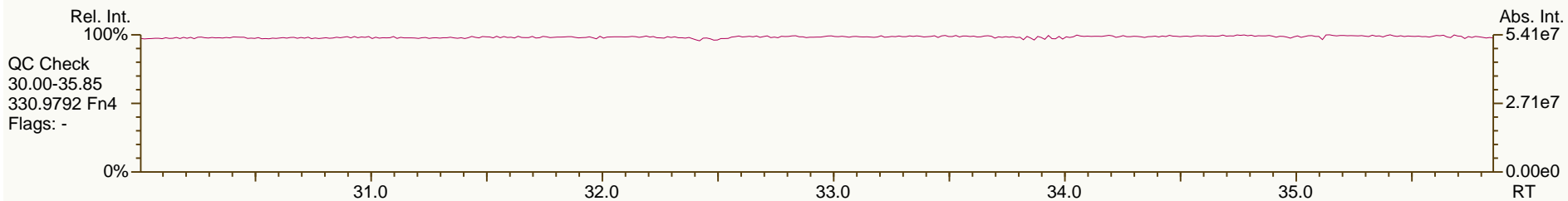
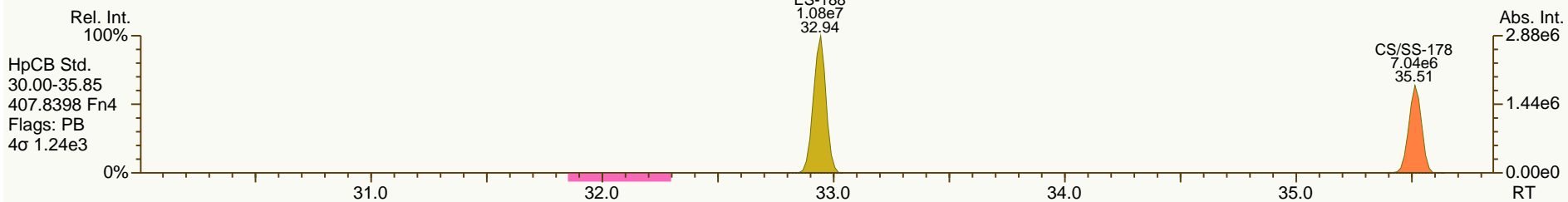
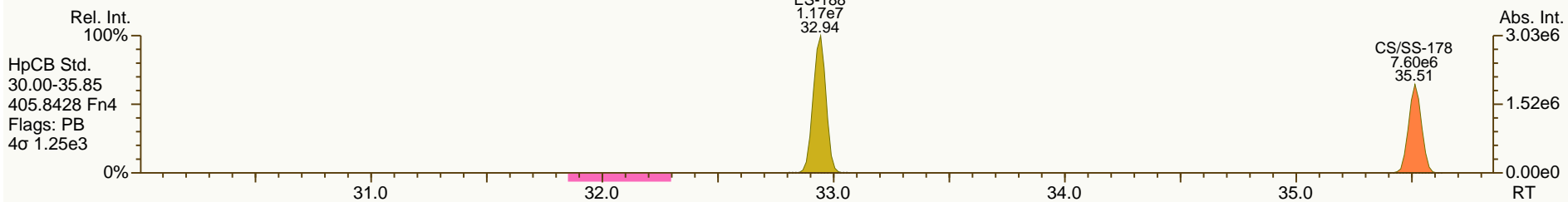
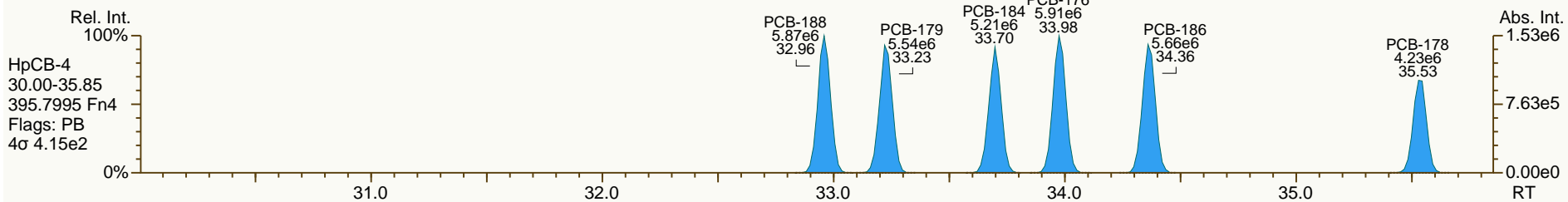
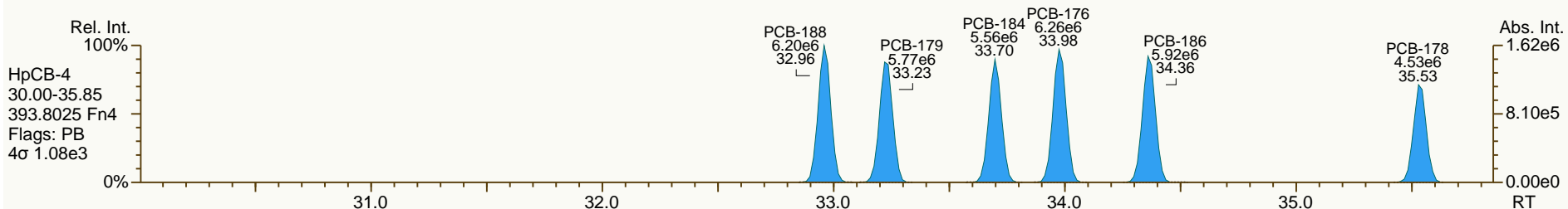
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

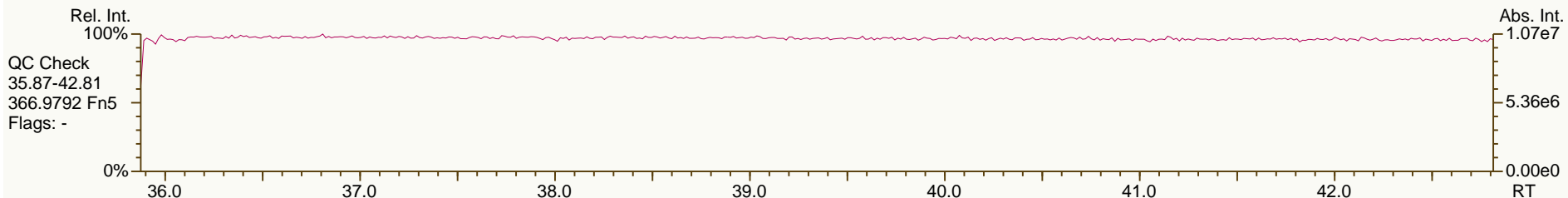
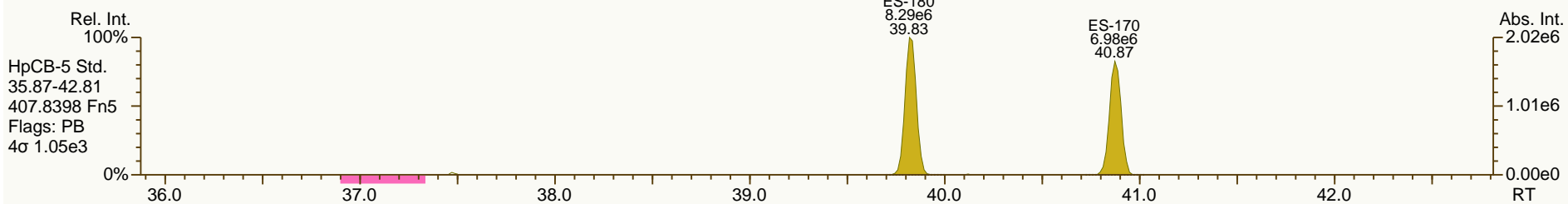
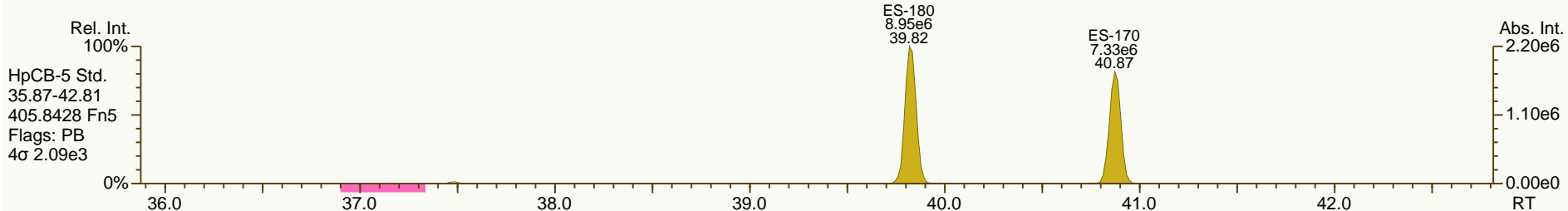
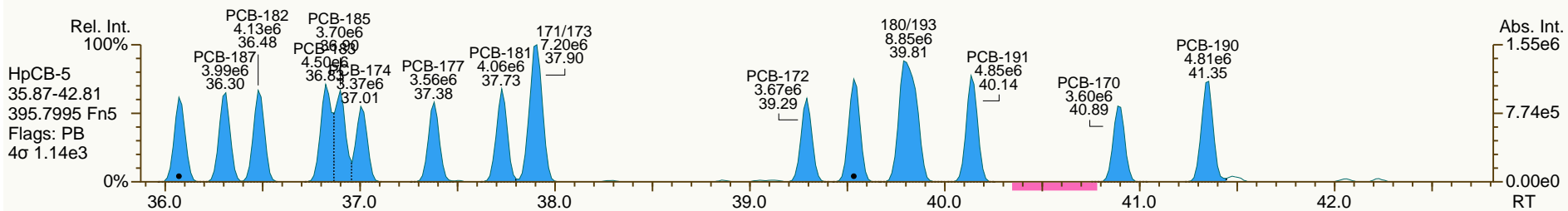
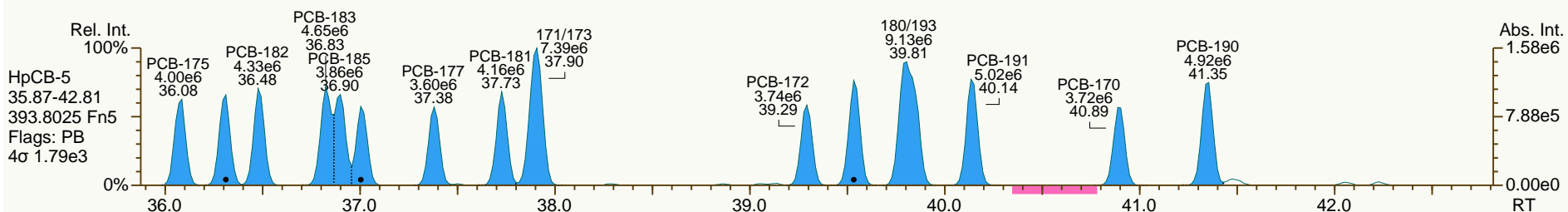
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

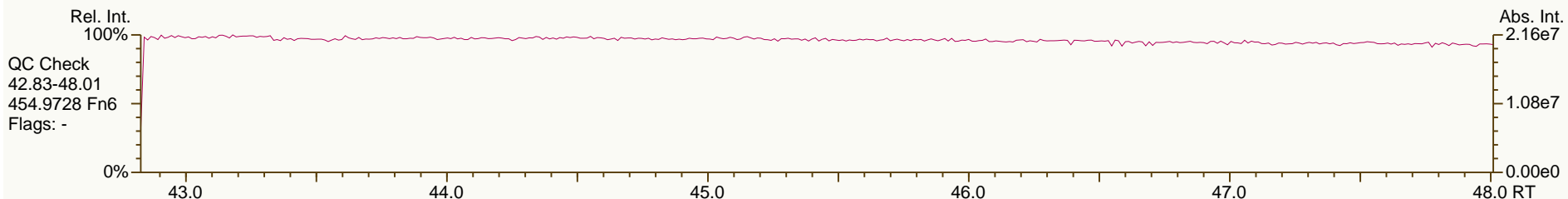
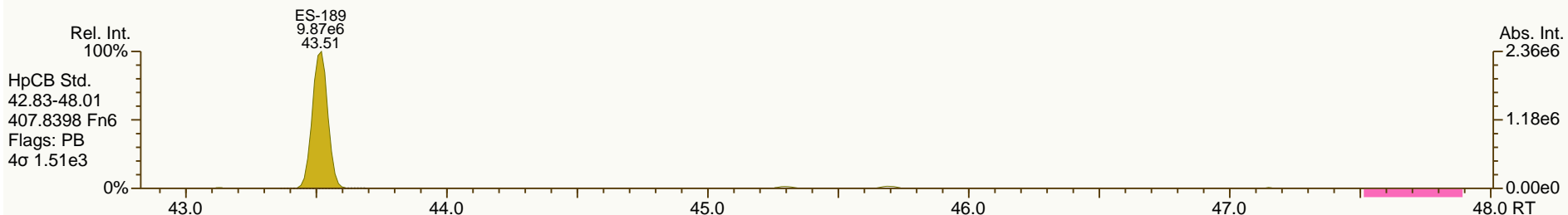
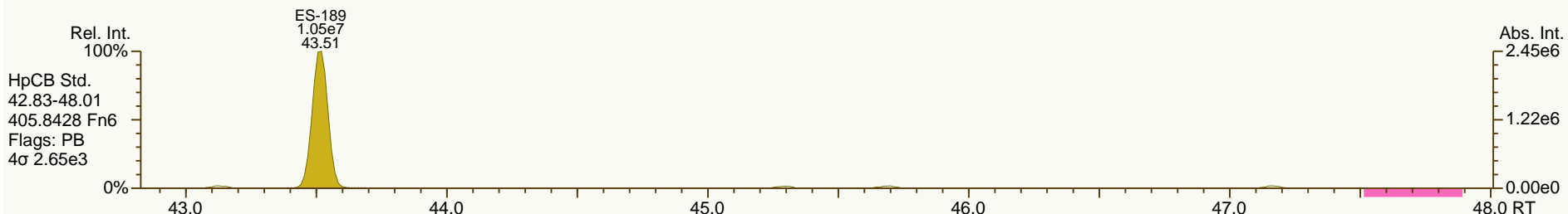
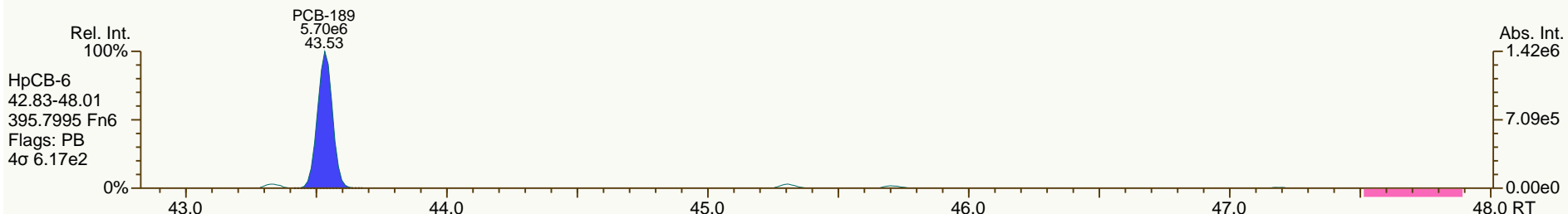
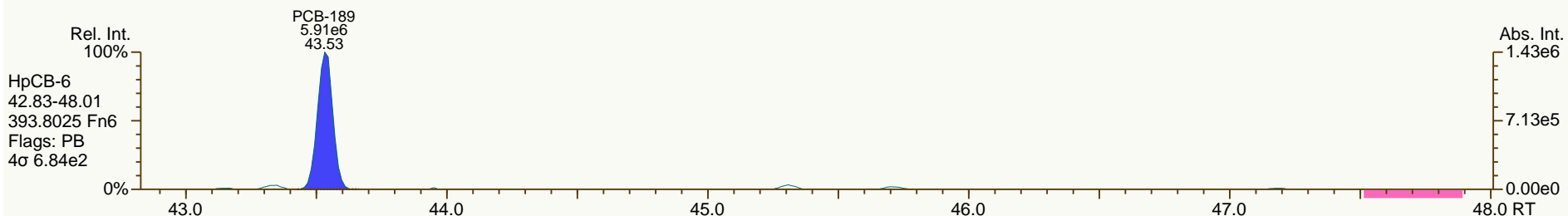
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 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

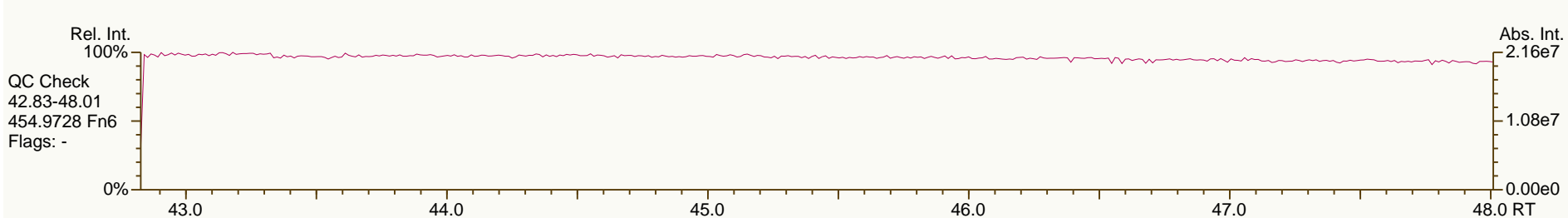
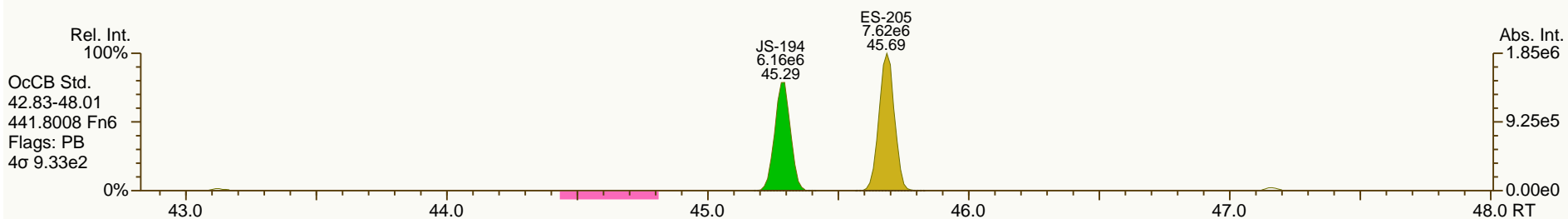
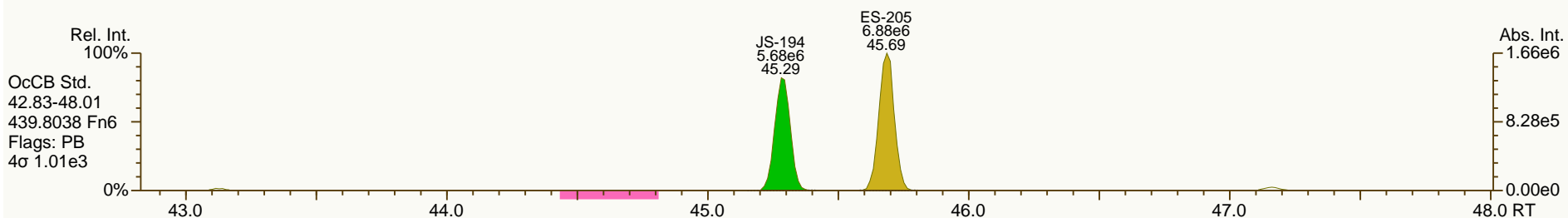
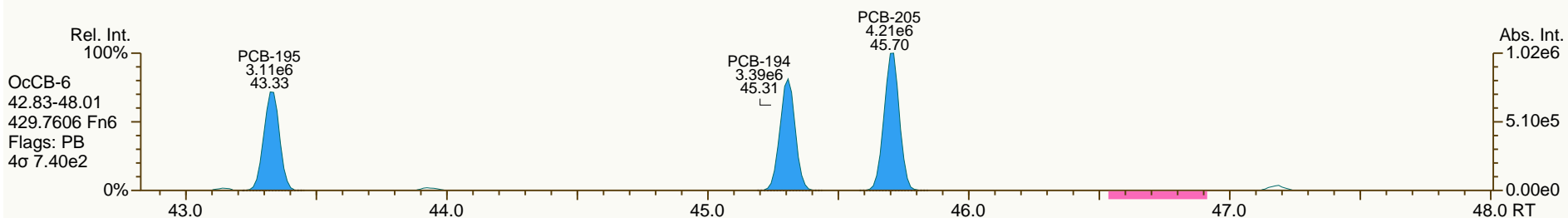
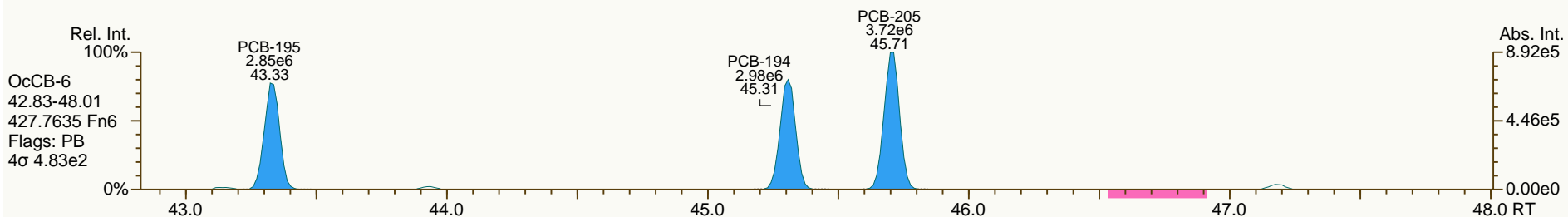
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

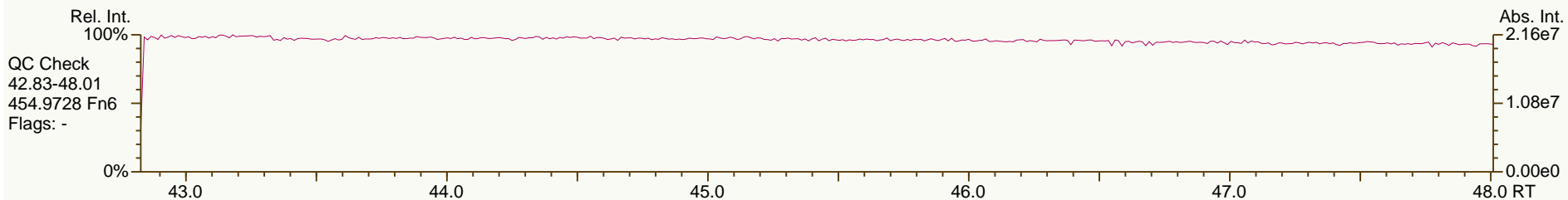
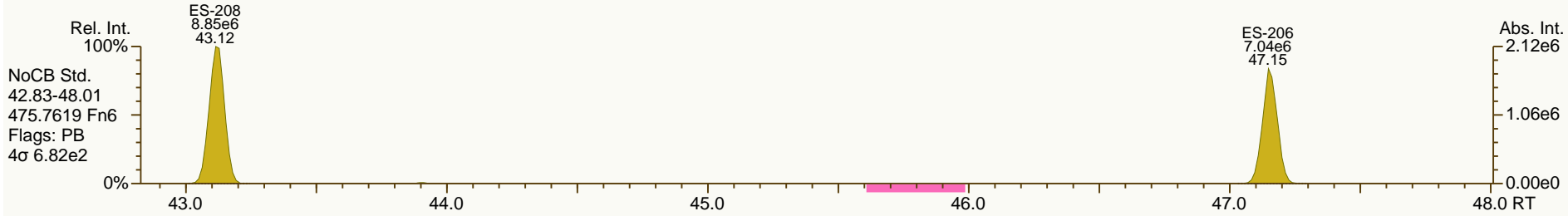
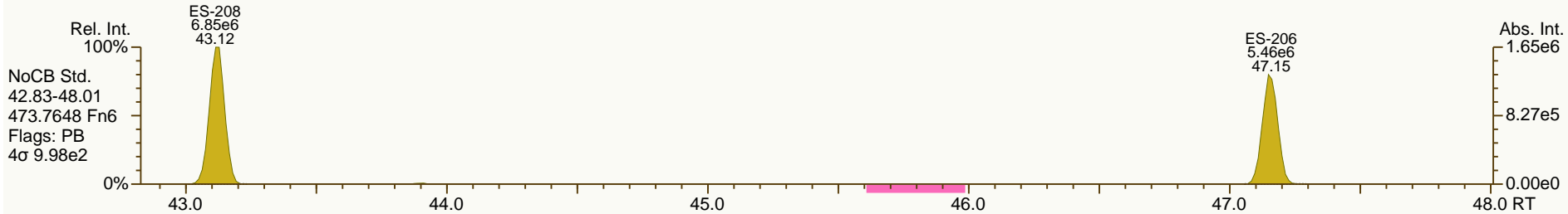
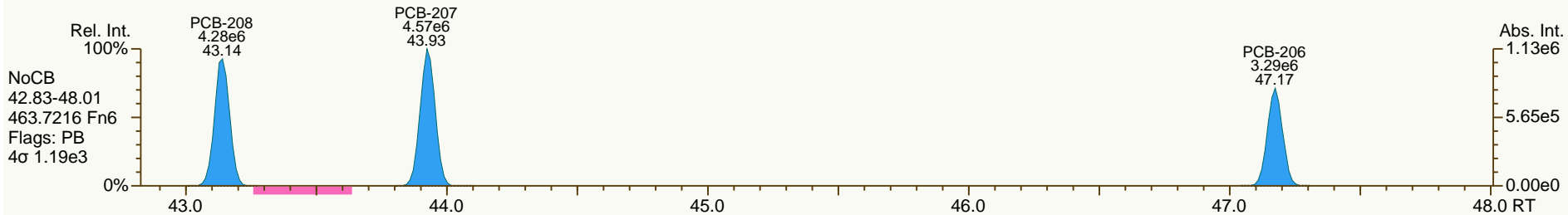
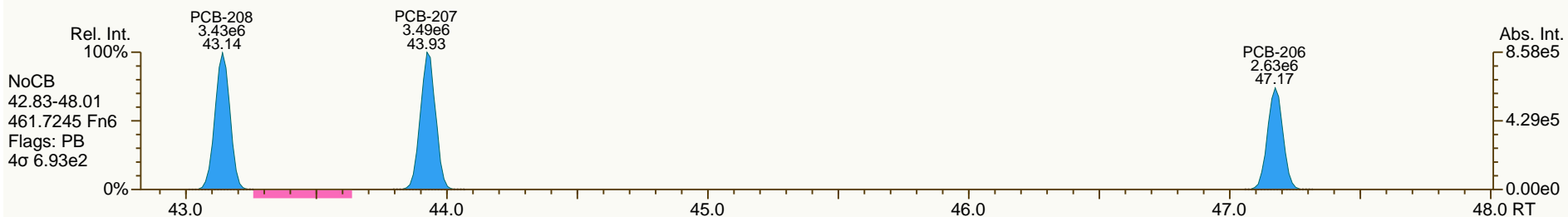
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

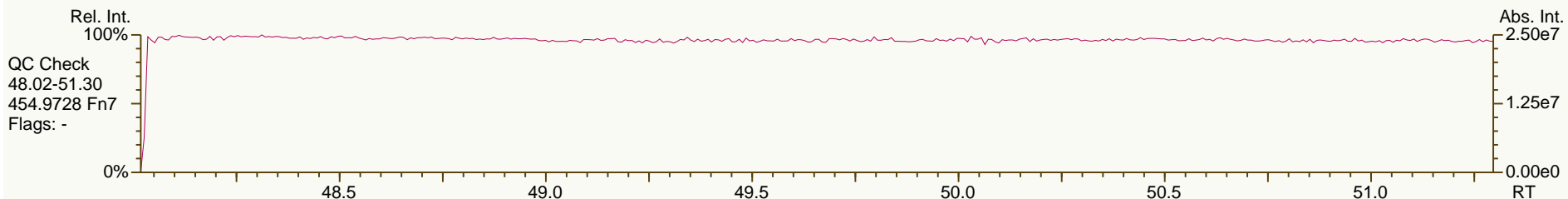
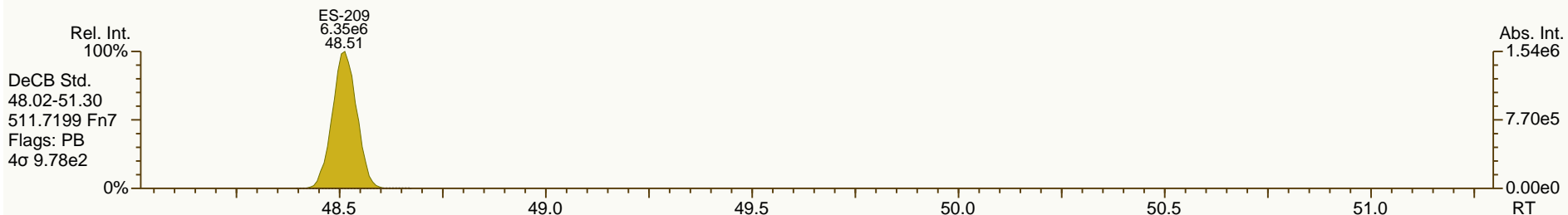
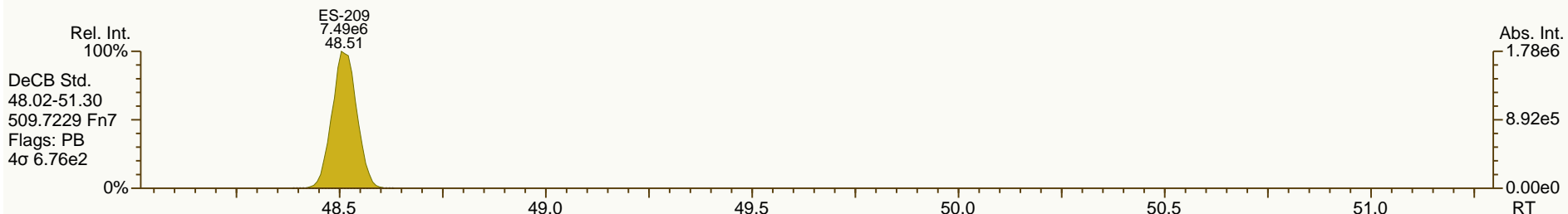
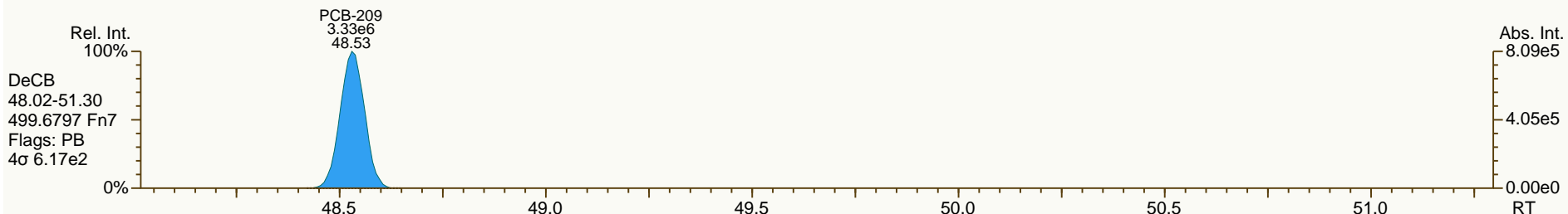
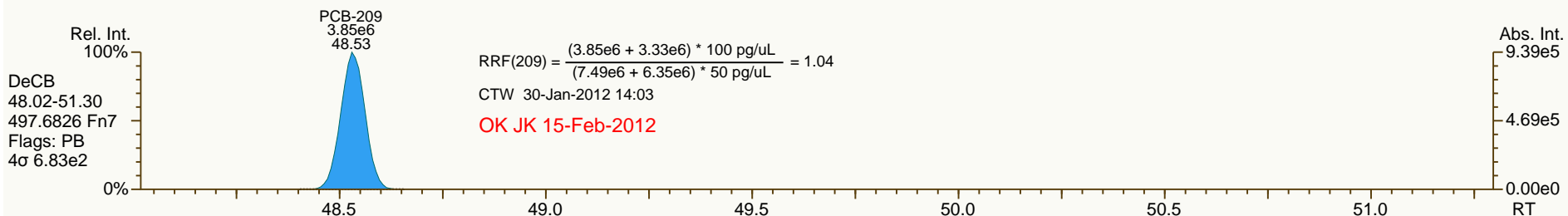
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 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	2.3%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.9%	
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	3.0%	
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	1.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	3.1%	
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.6%	
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	2.8%	
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.9%	
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.3%	
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.9%	
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	2.3%	
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	2.6%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	2.7%	
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.4%	
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.8%	
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.1%	
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.5%	
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	2.0%	
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	5.7%	
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	2.3%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	4.6%	
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	5.0%	
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	1.7%	
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	2.0%	
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	-2.5%	
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	12.1%	
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	-0.3%	
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	7.7%	
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	3.3%	
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	1.0%	
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	2.1%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	4.7%	
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	6.5%	
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.7%	
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	5.5%	
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	5.2%	
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	5.8%	
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	2.8%	

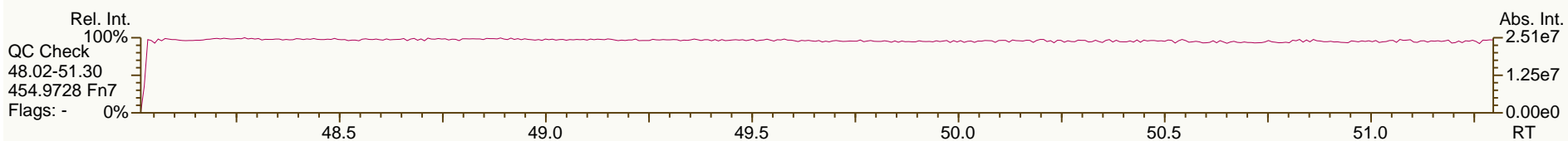
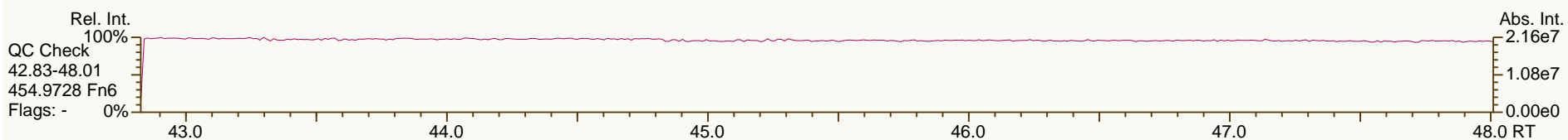
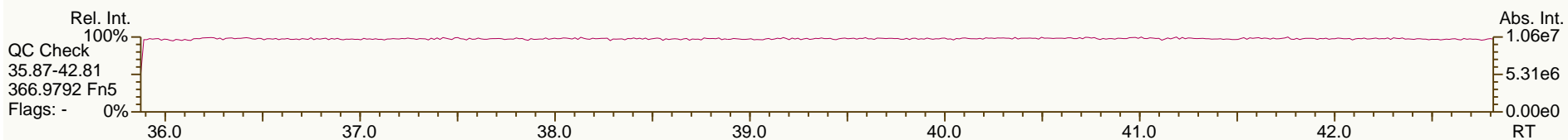
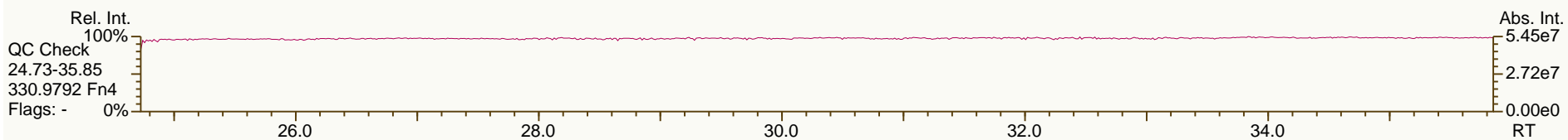
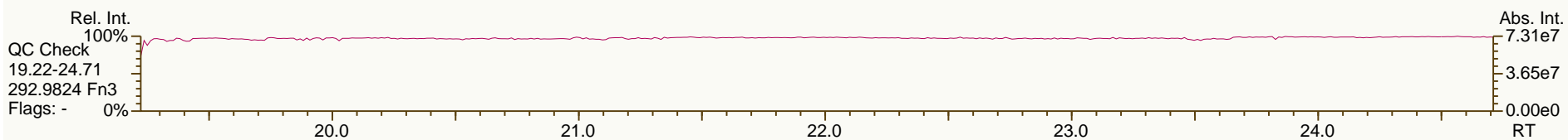
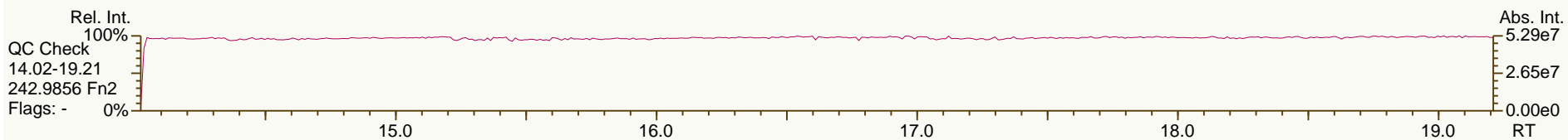
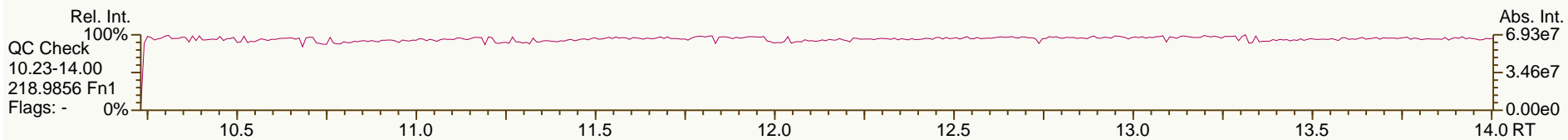
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OcCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OcCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OcCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OcCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OcCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OcCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OcCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OcCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

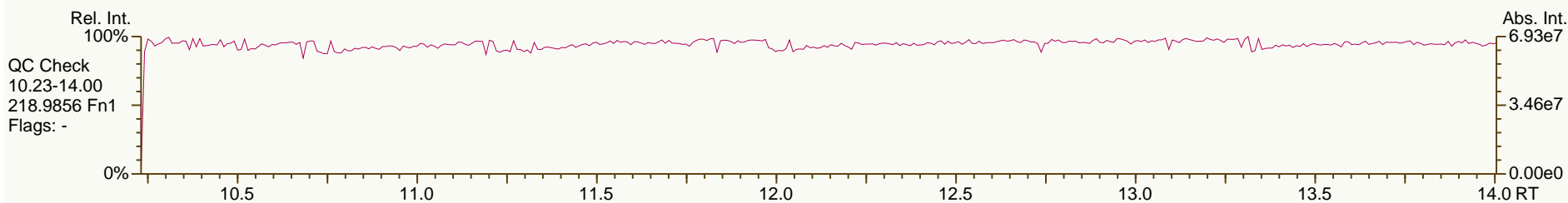
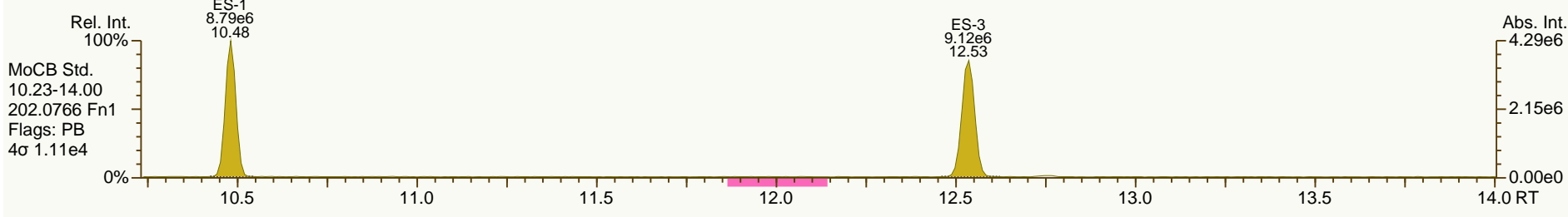
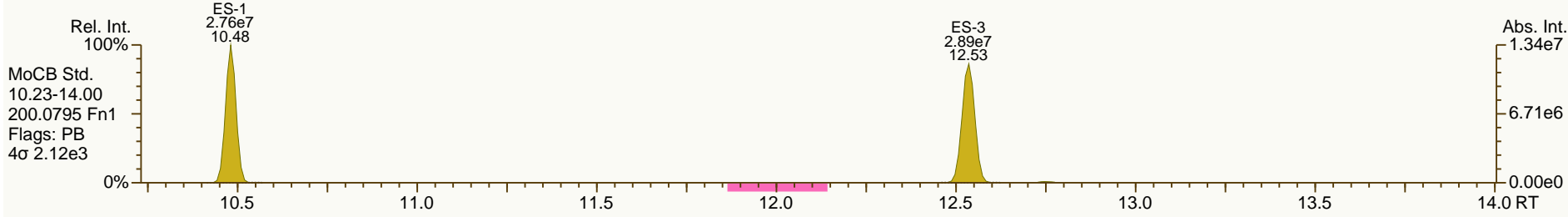
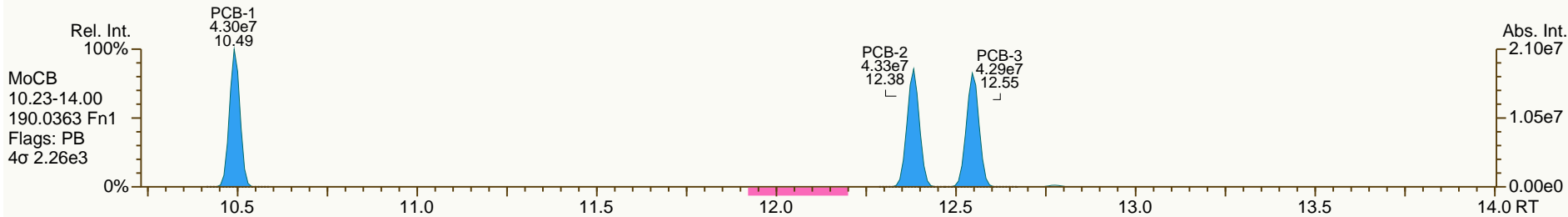
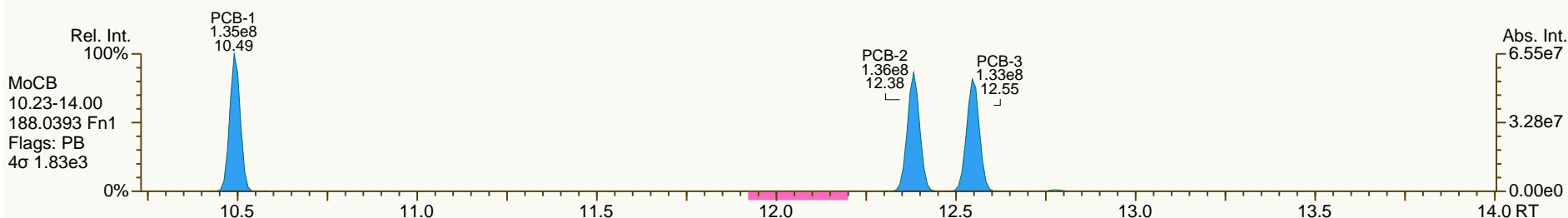
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

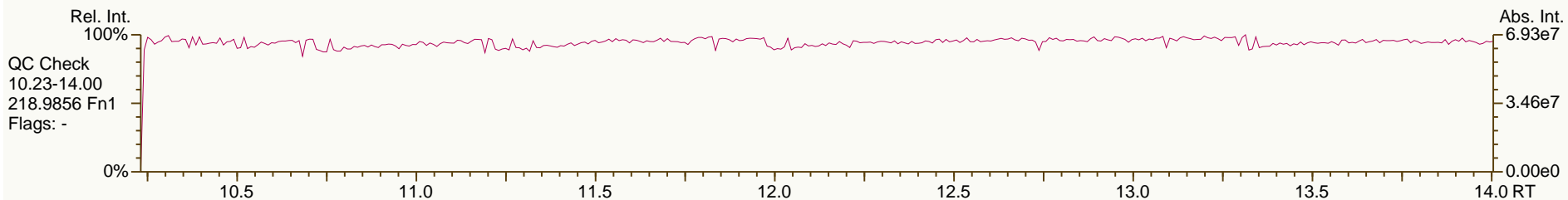
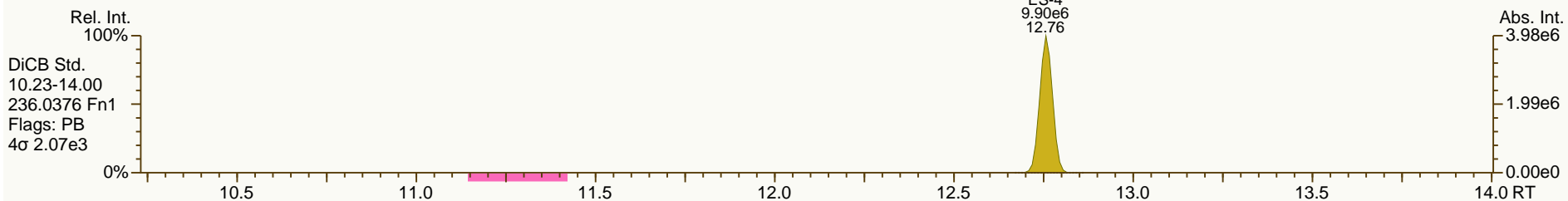
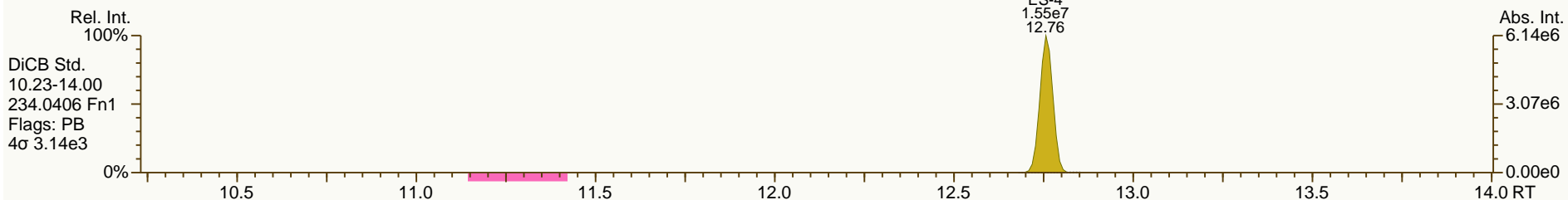
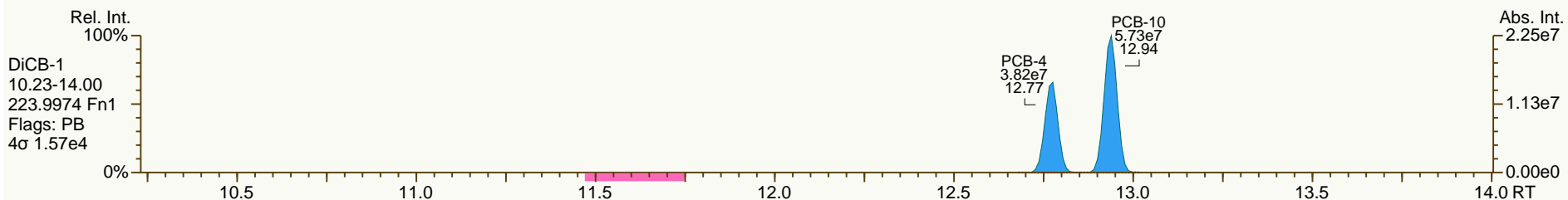
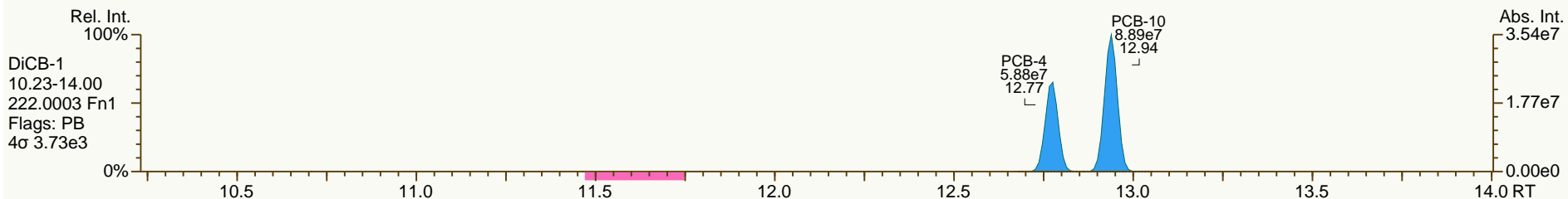
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 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

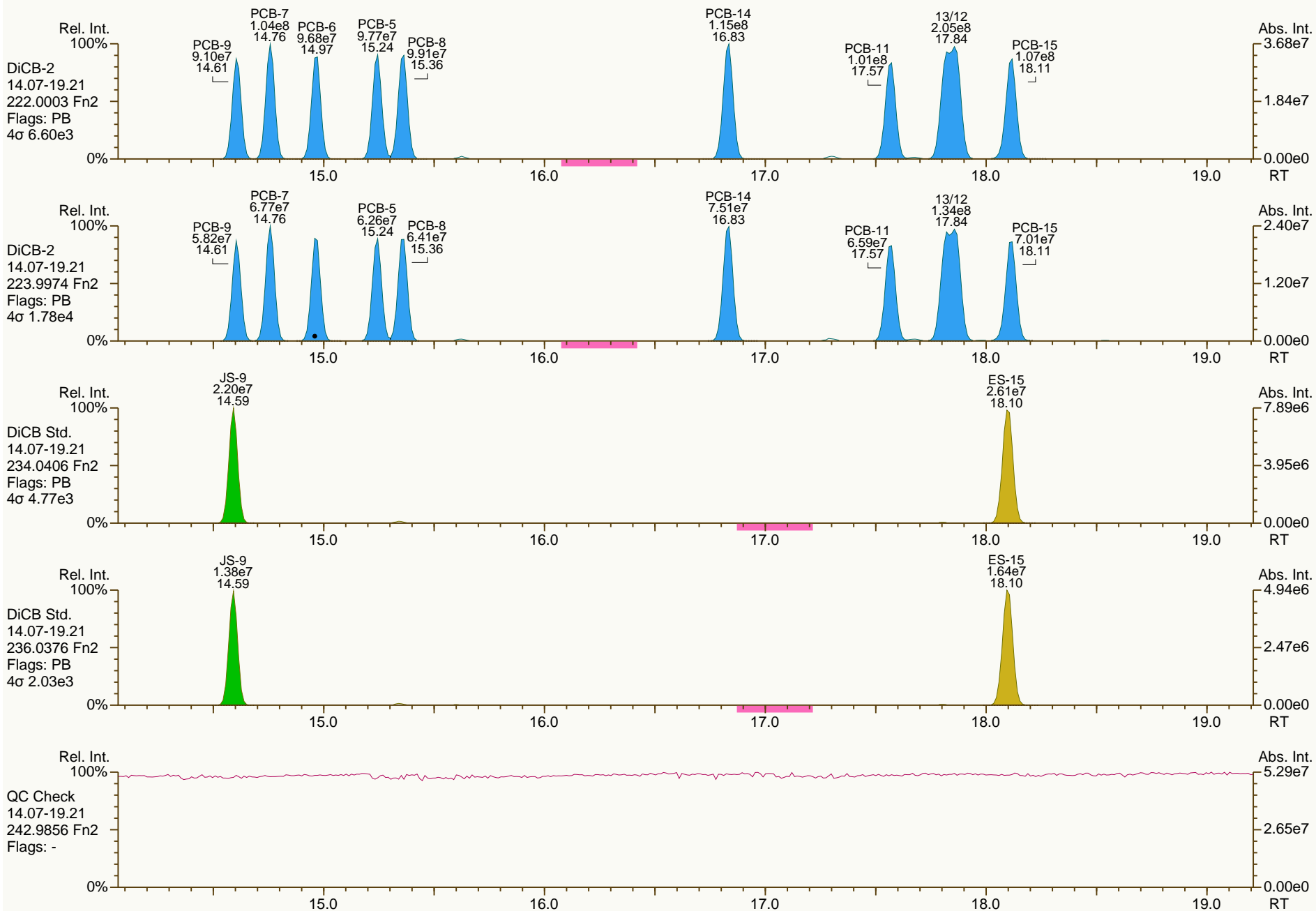
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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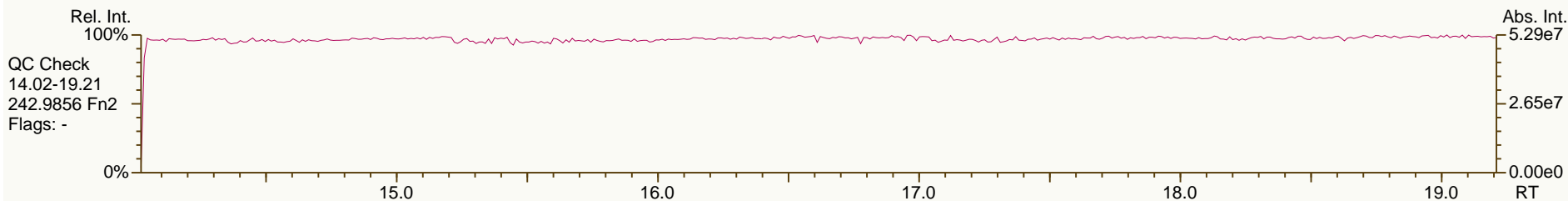
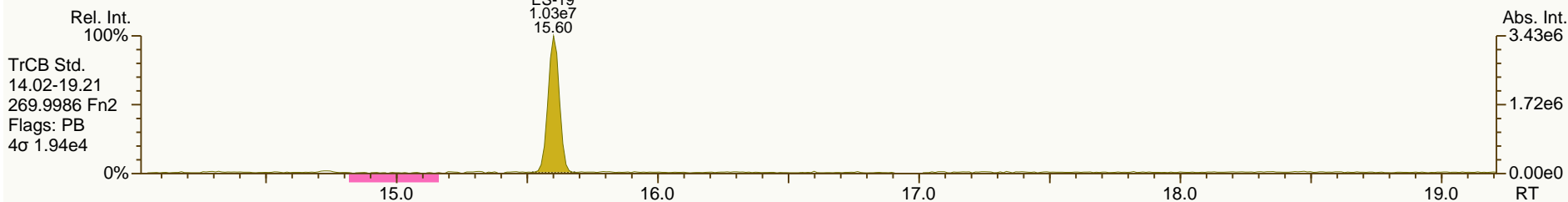
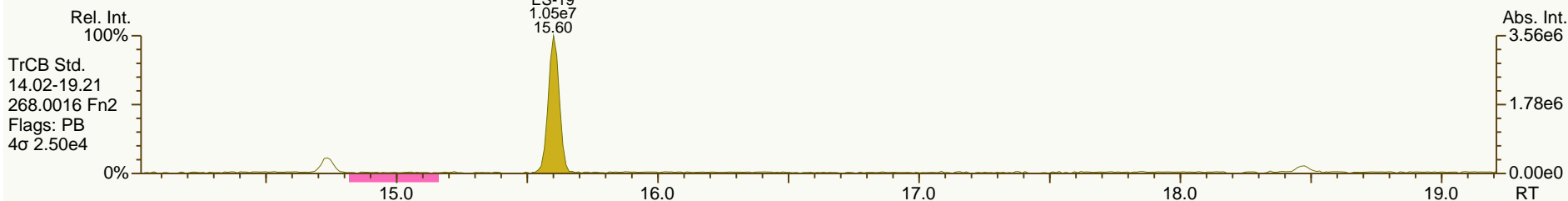
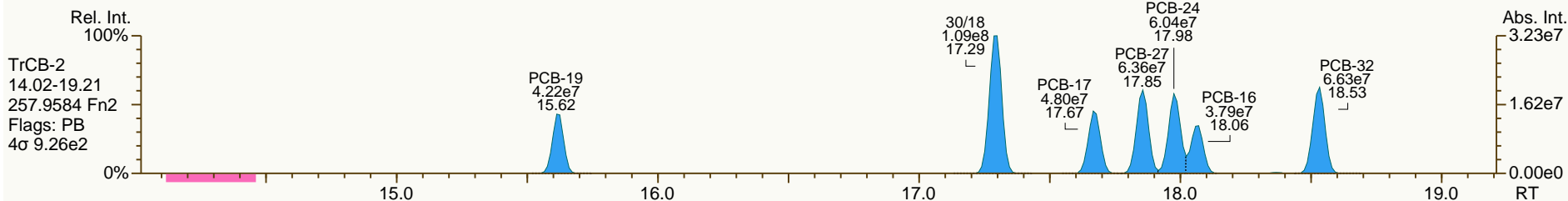
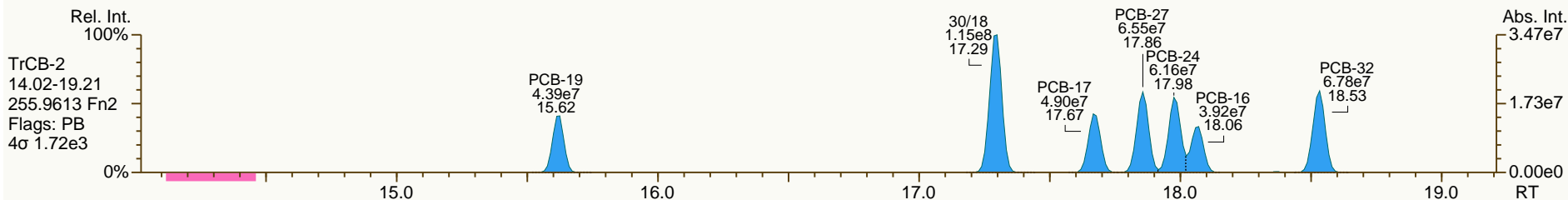
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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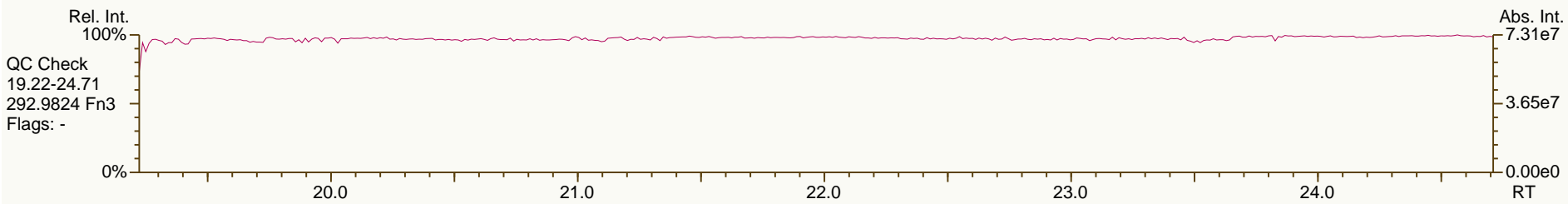
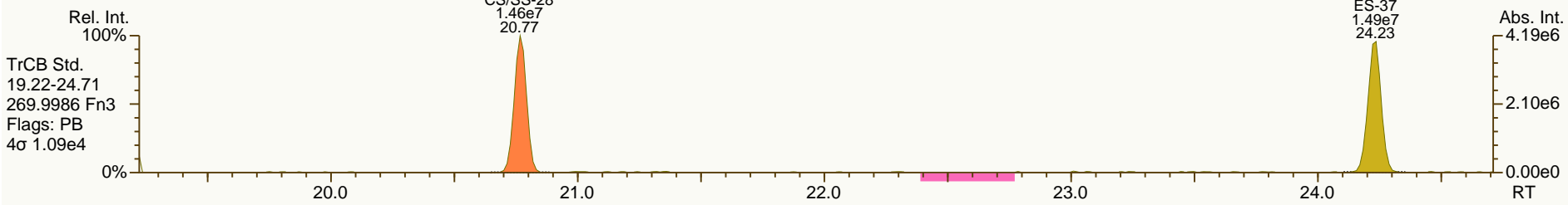
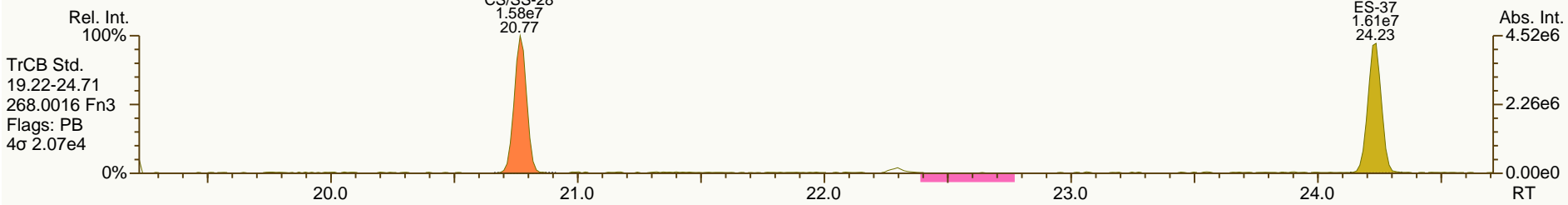
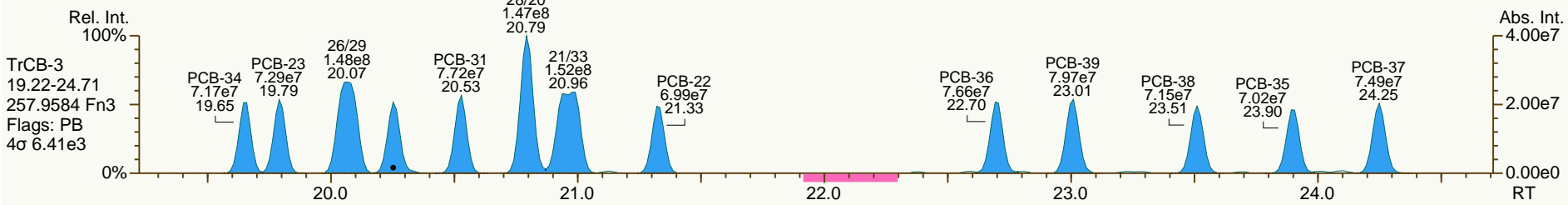
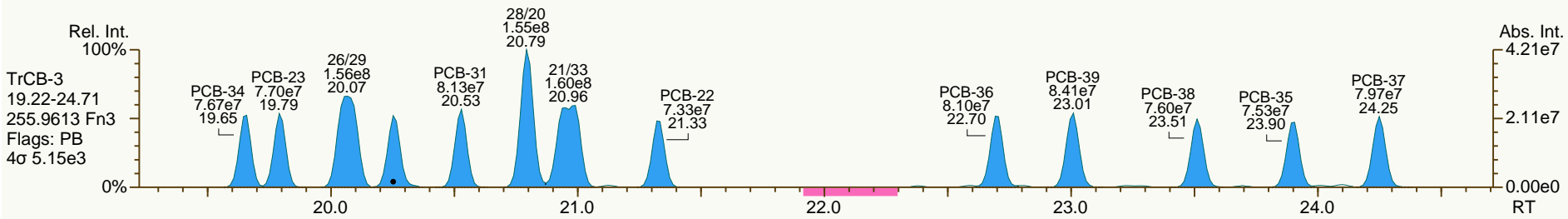
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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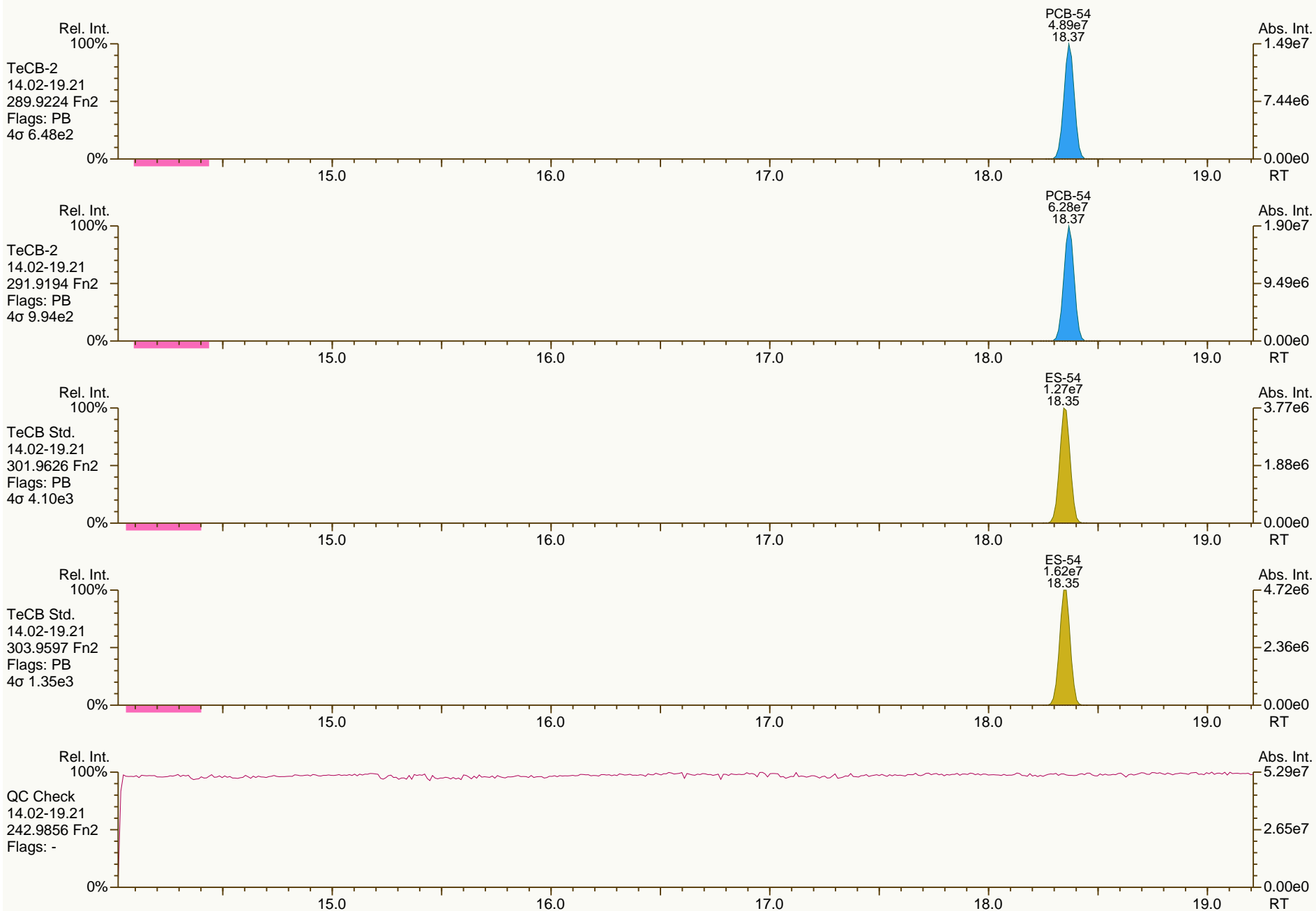
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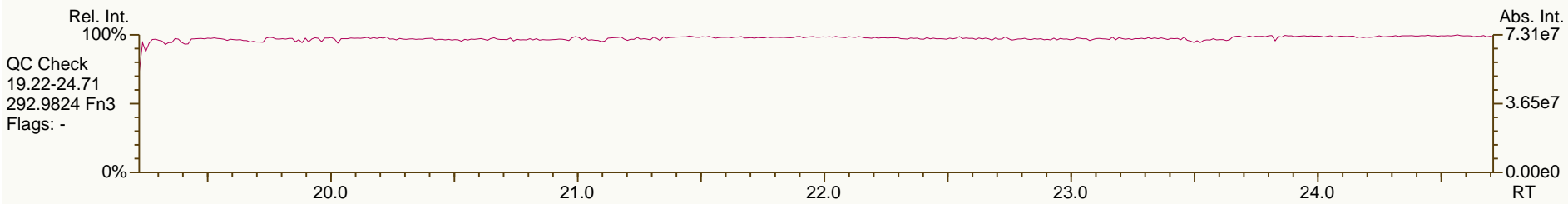
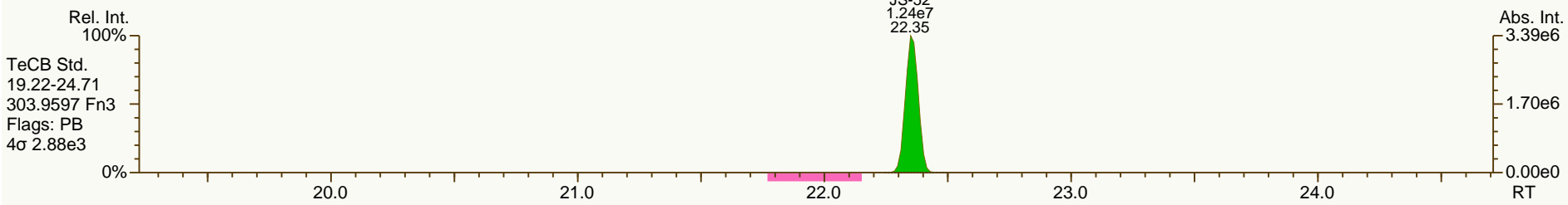
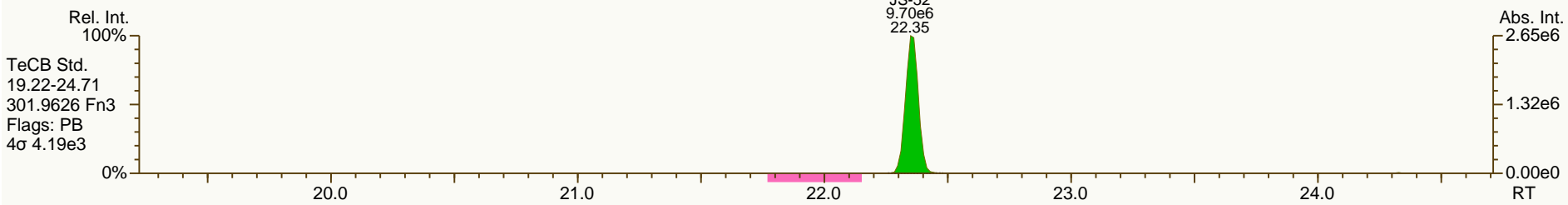
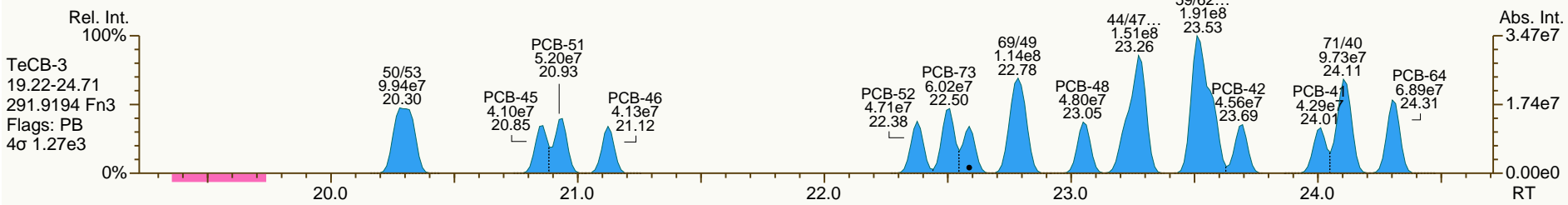
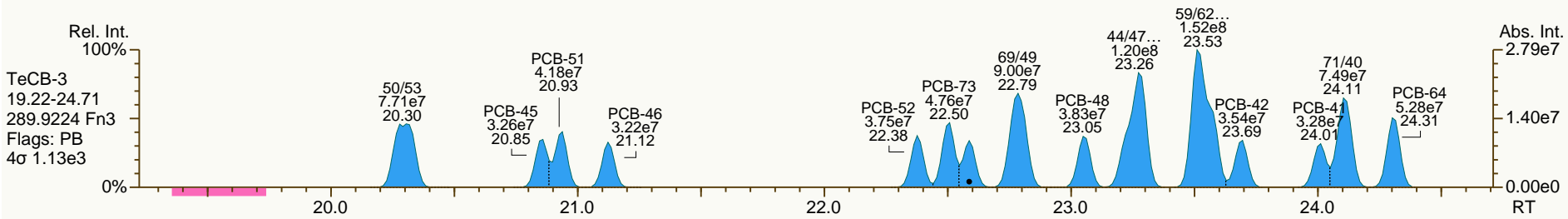
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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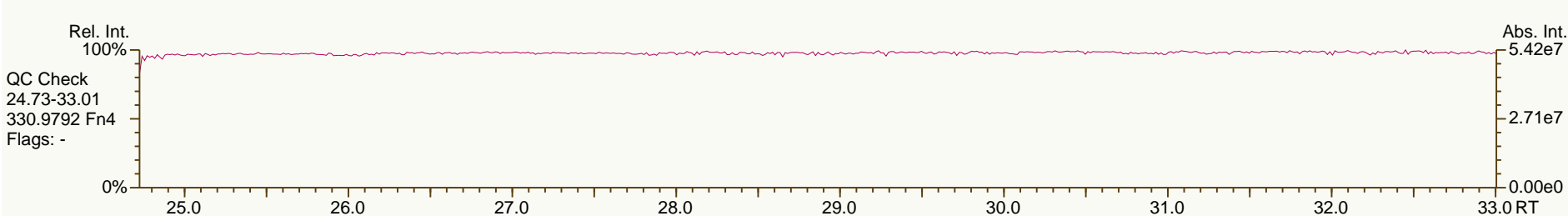
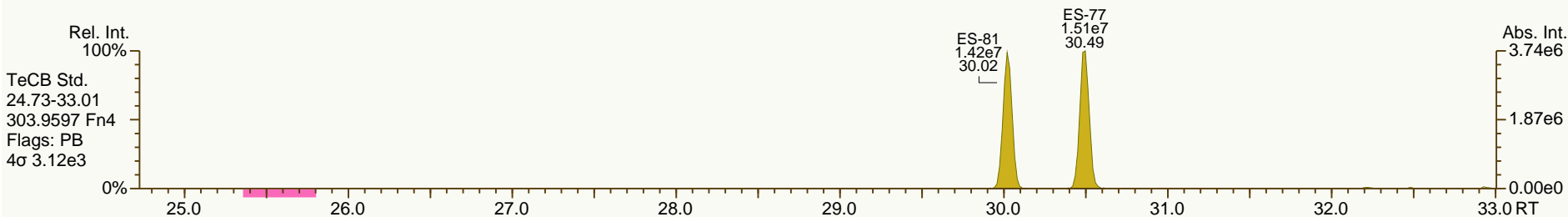
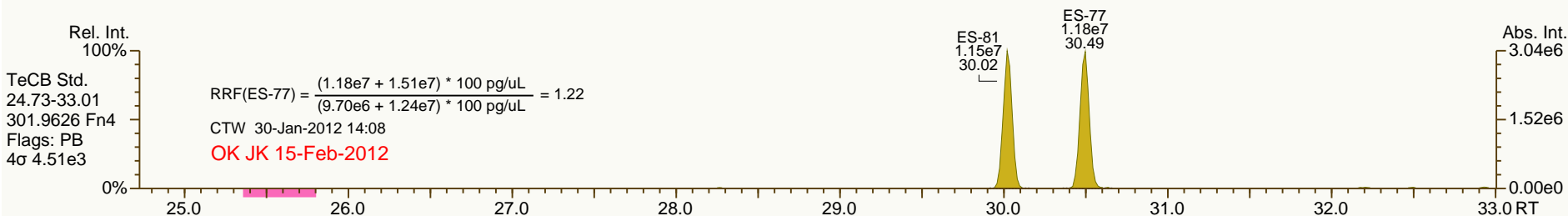
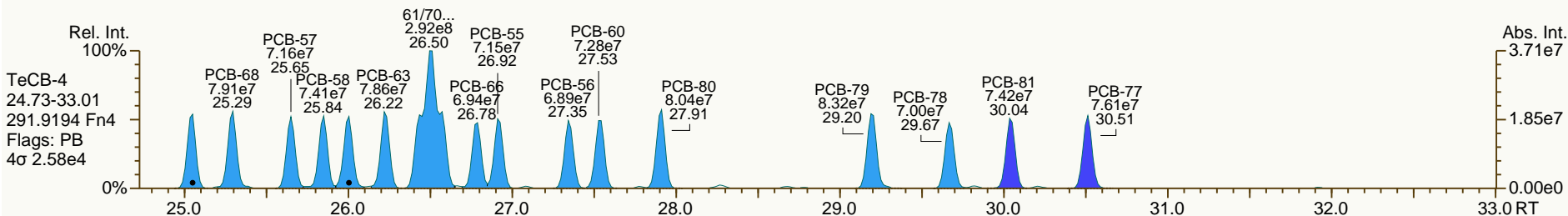
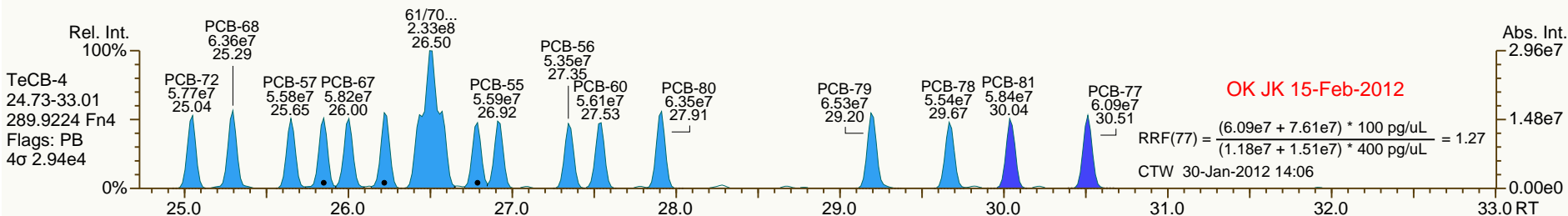
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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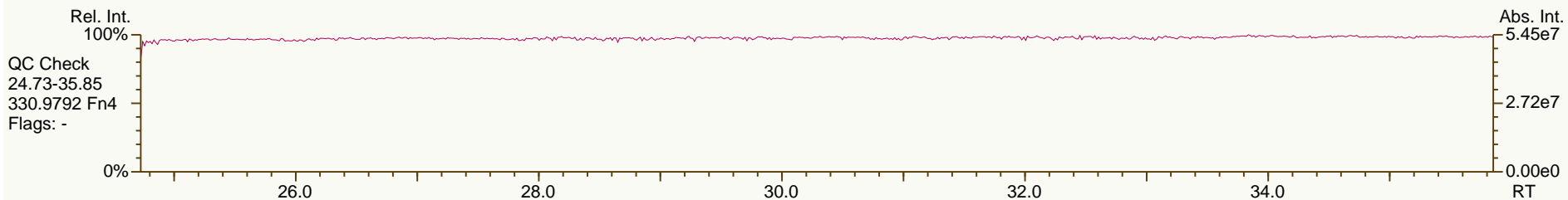
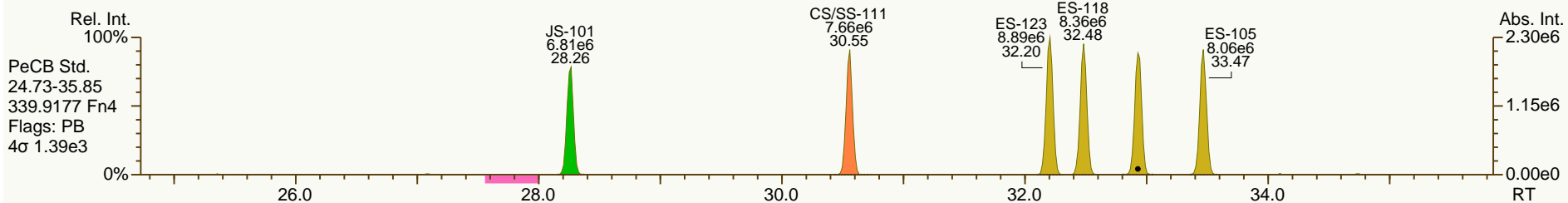
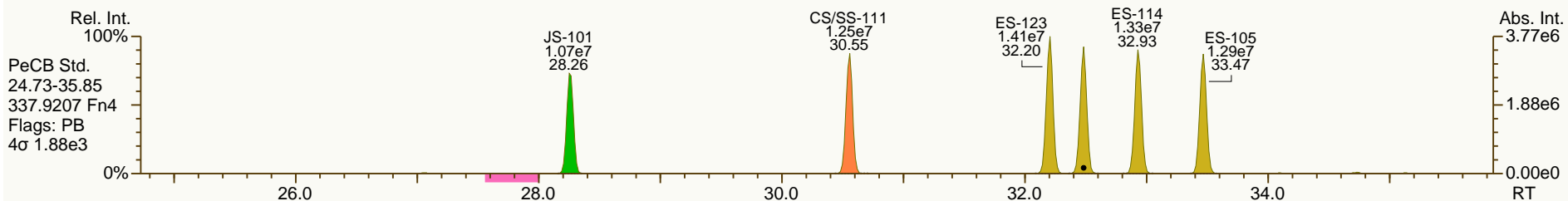
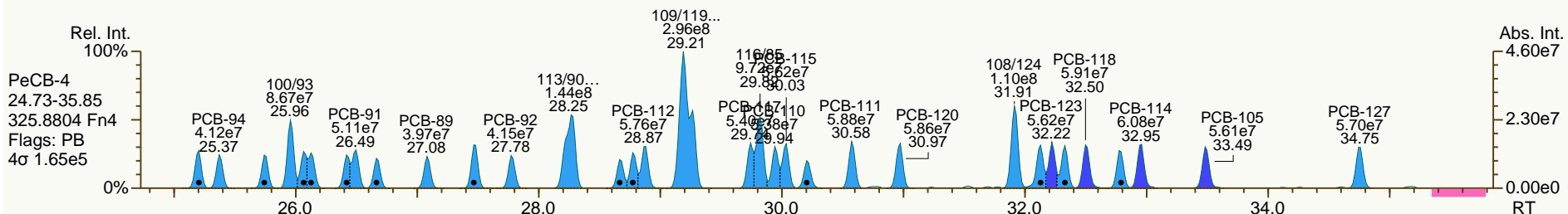
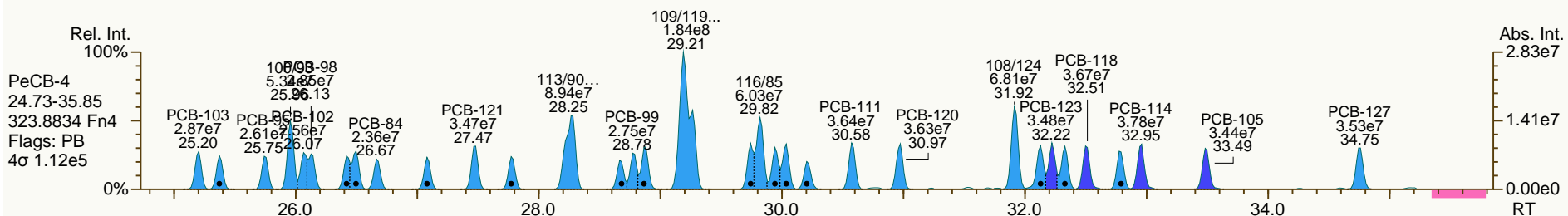
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AP Lab ID: CS4_120126_PCB_SA
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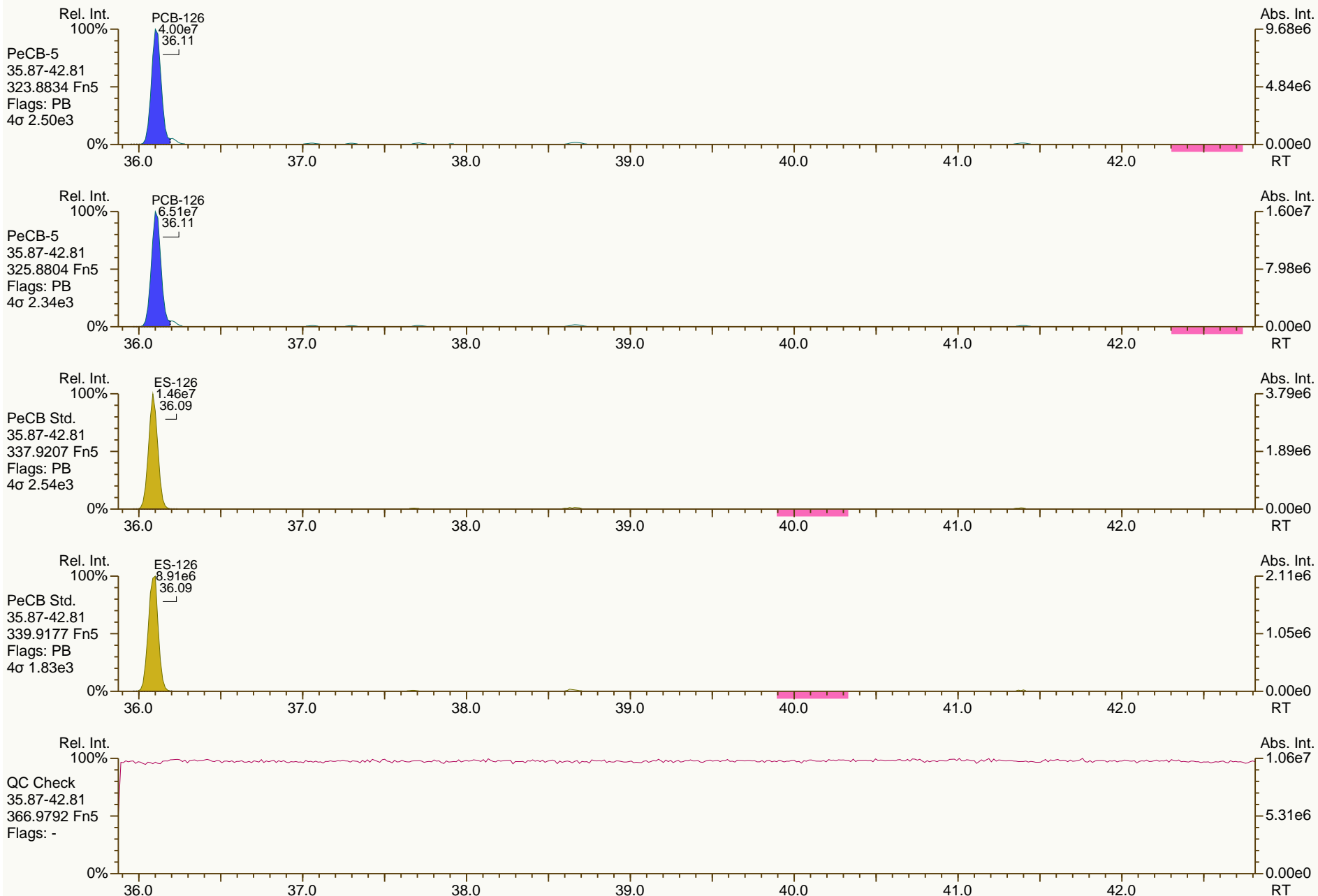
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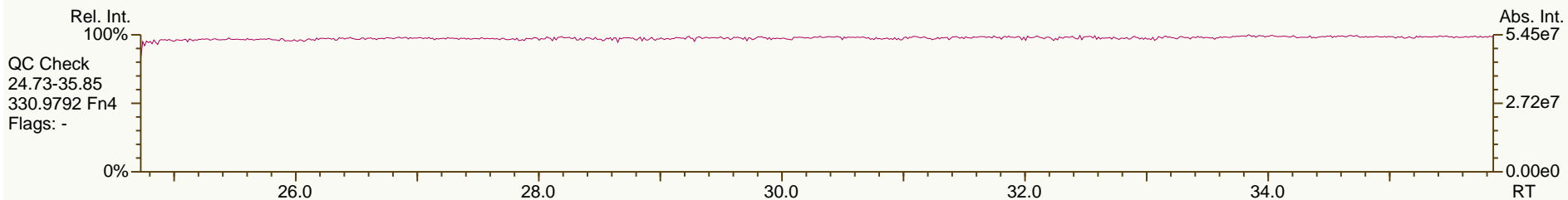
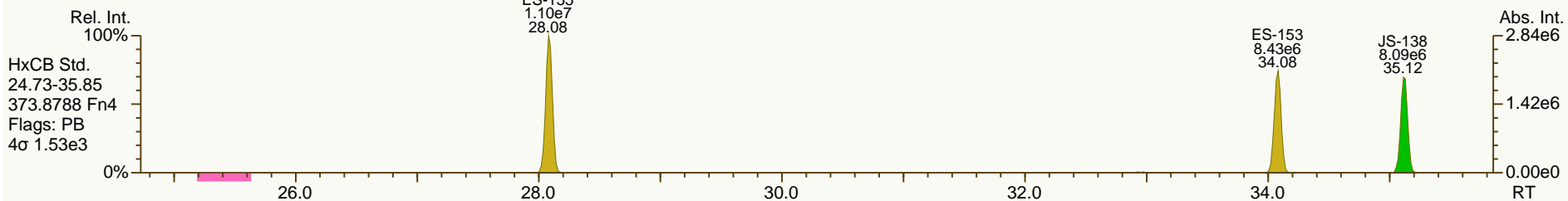
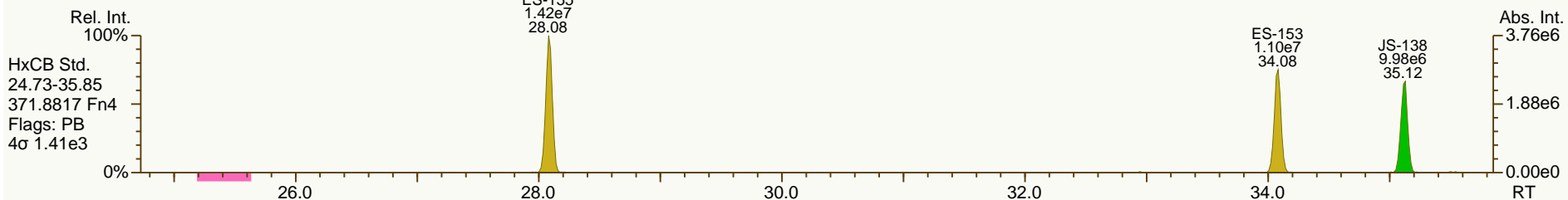
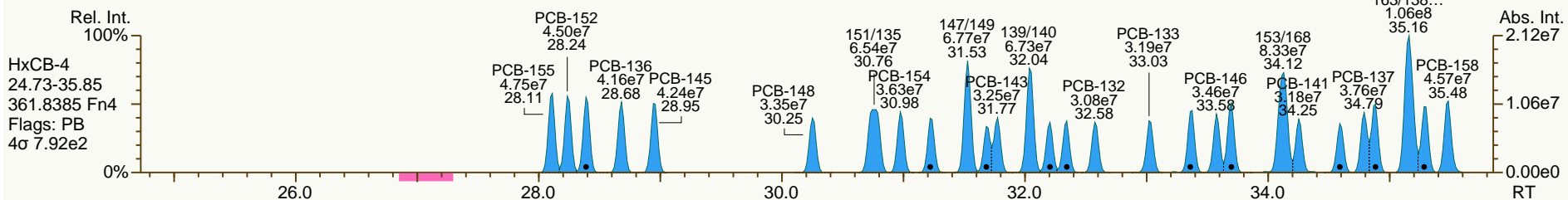
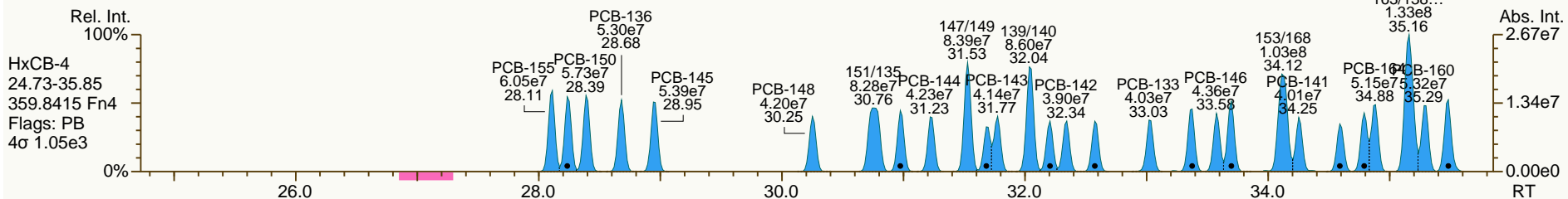
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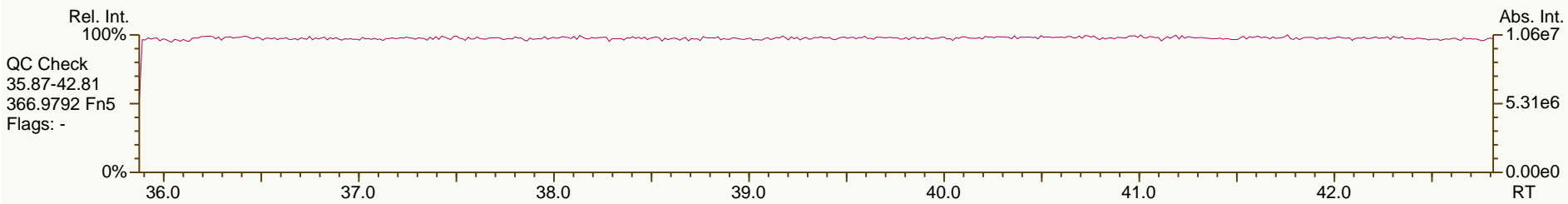
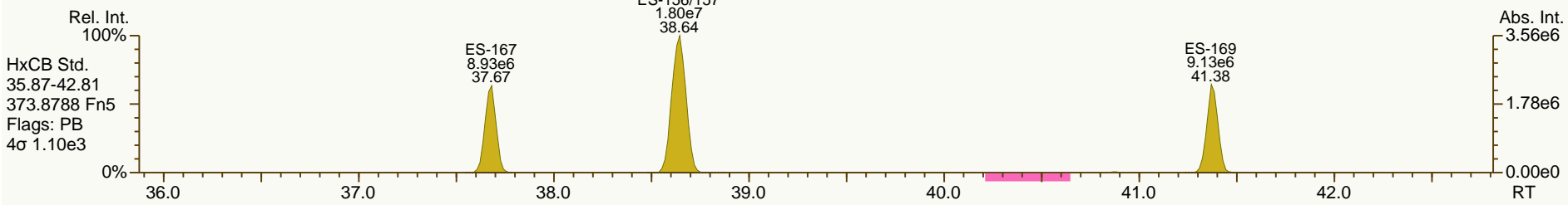
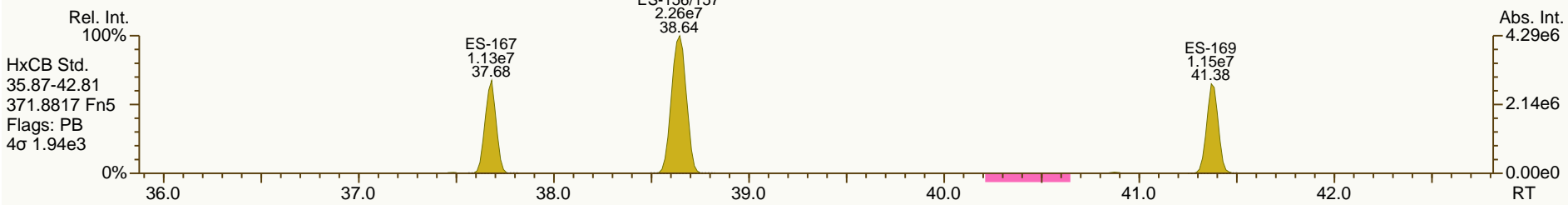
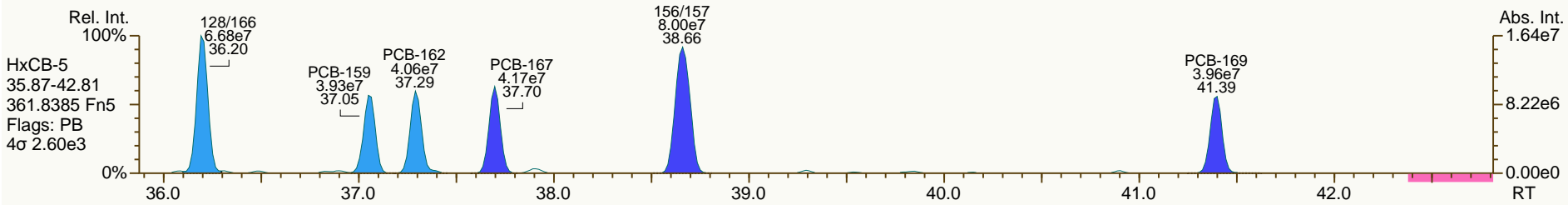
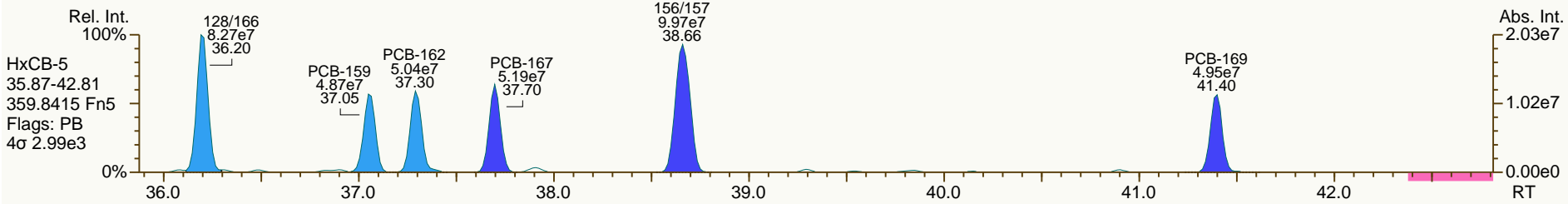
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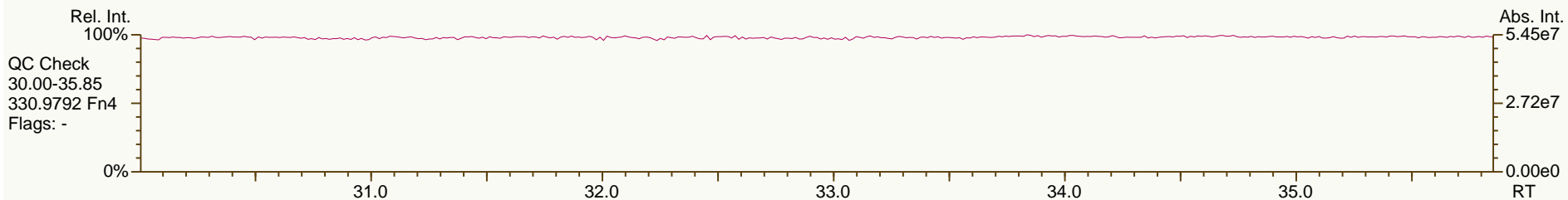
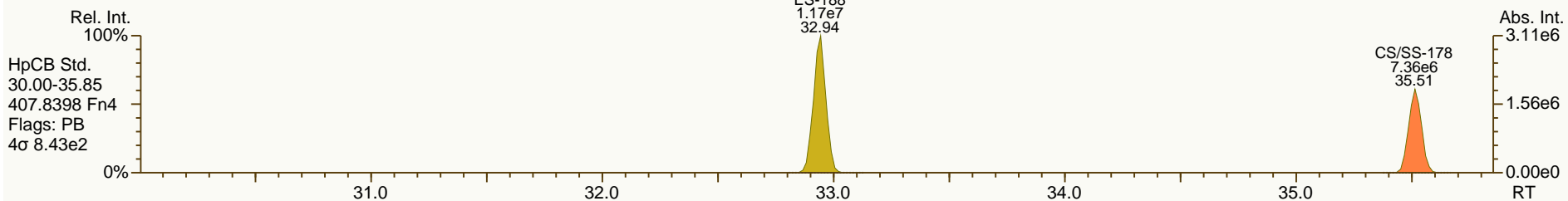
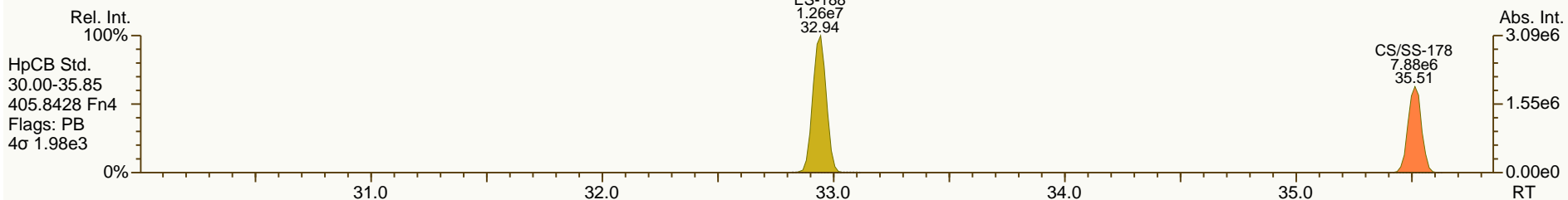
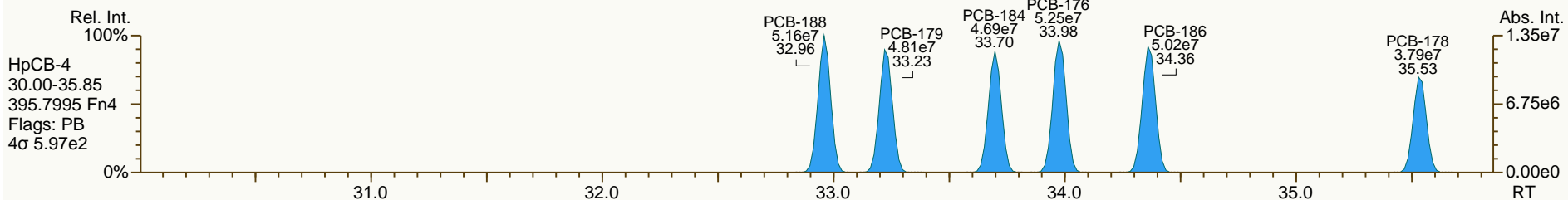
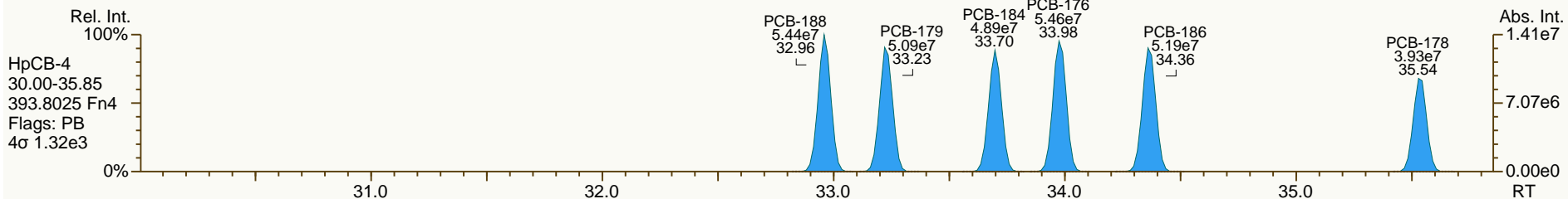
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AP Lab ID: CS4_120126_PCB_SA
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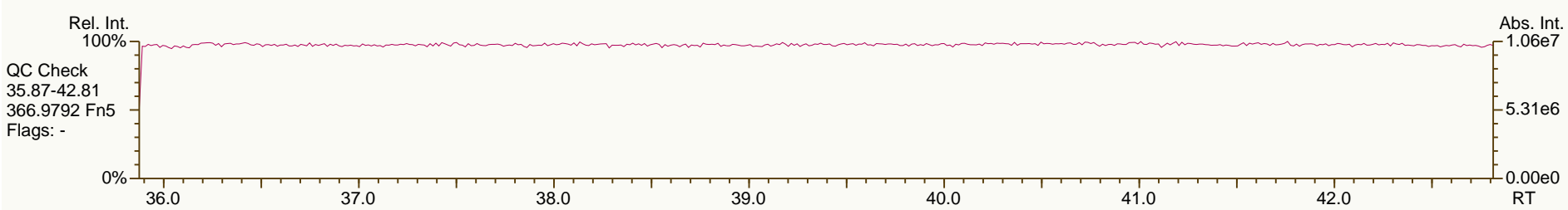
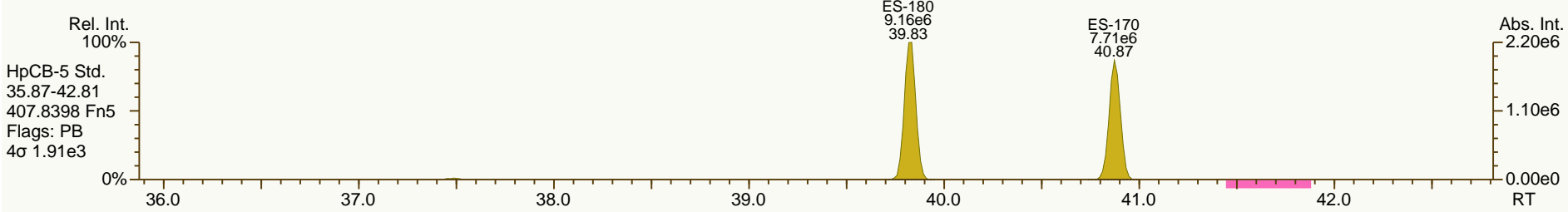
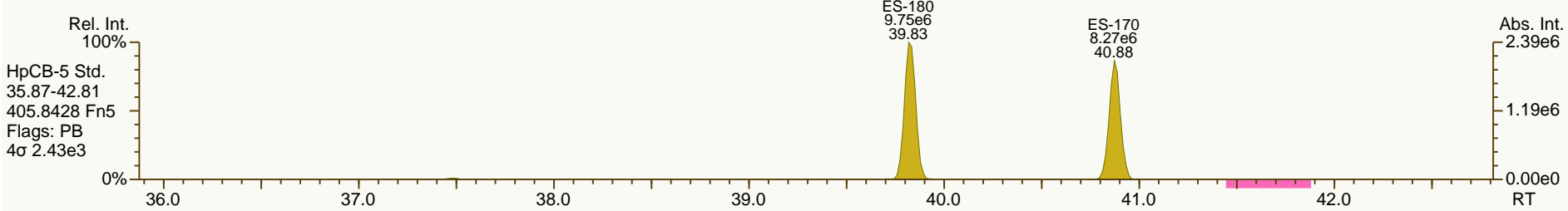
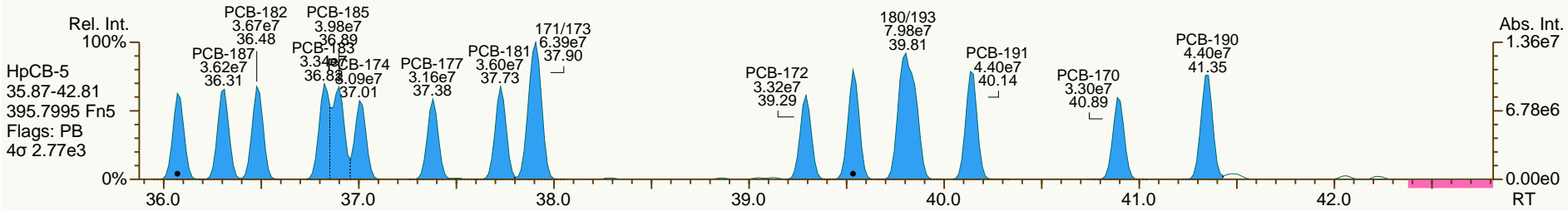
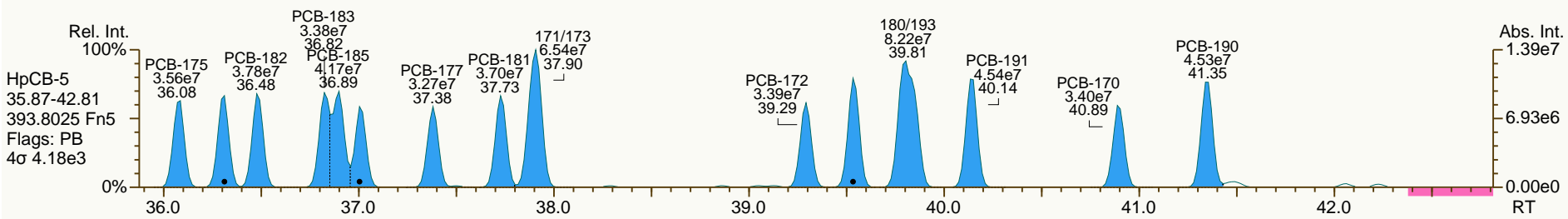
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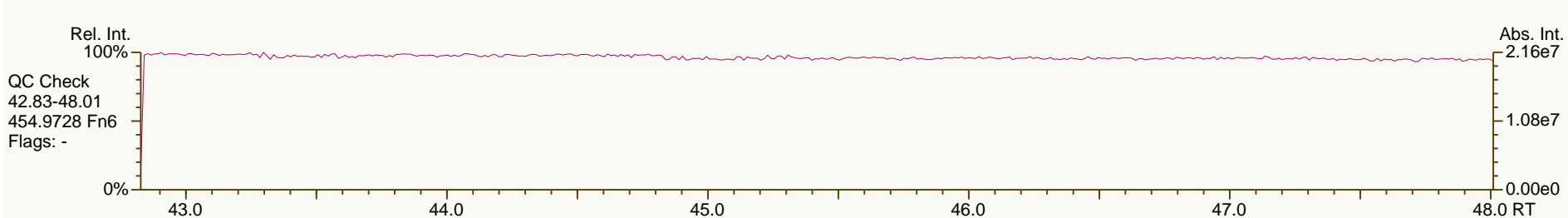
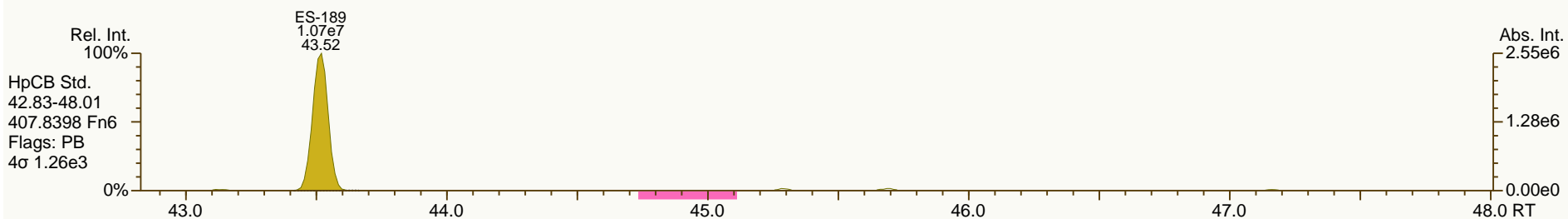
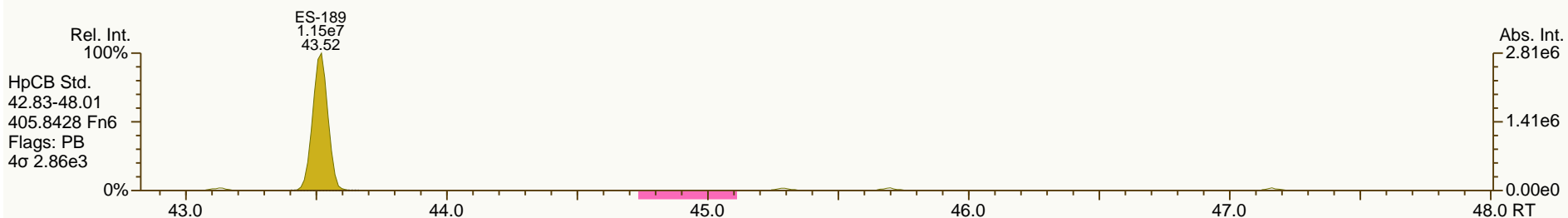
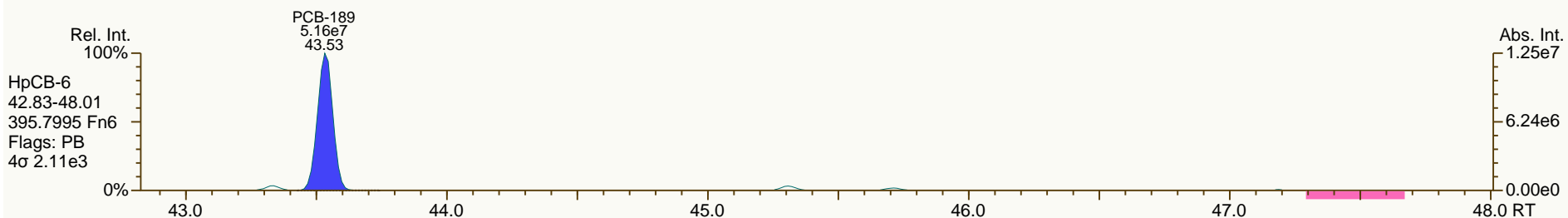
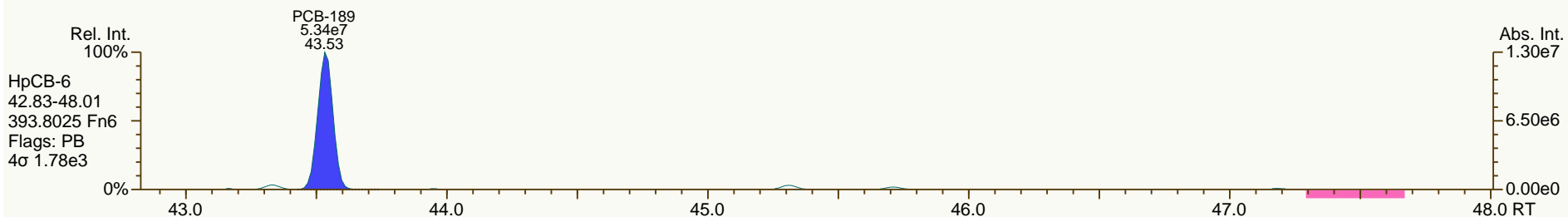
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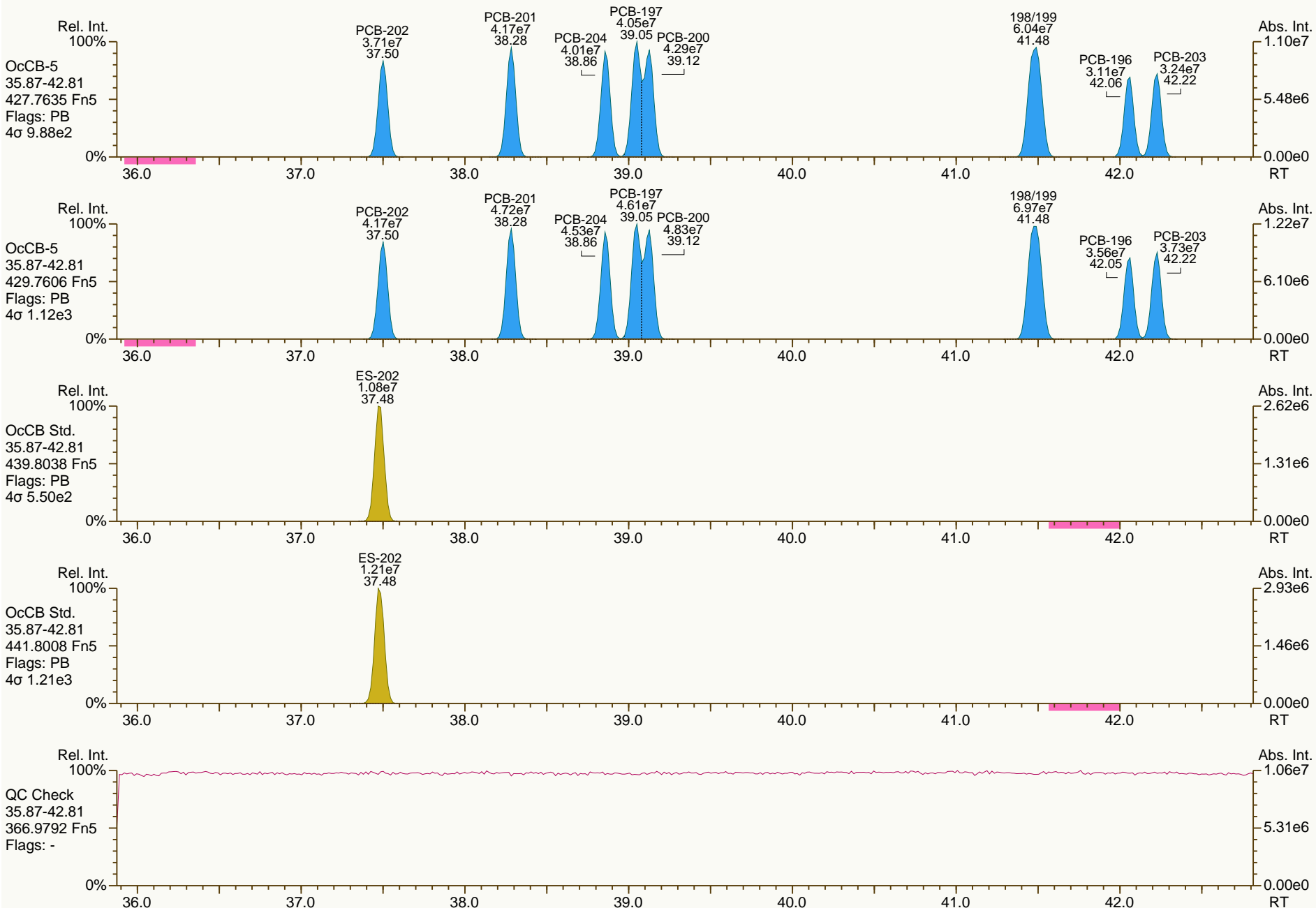
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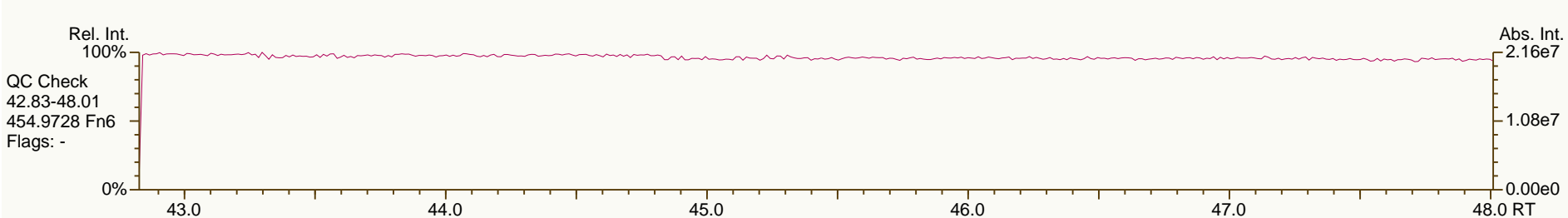
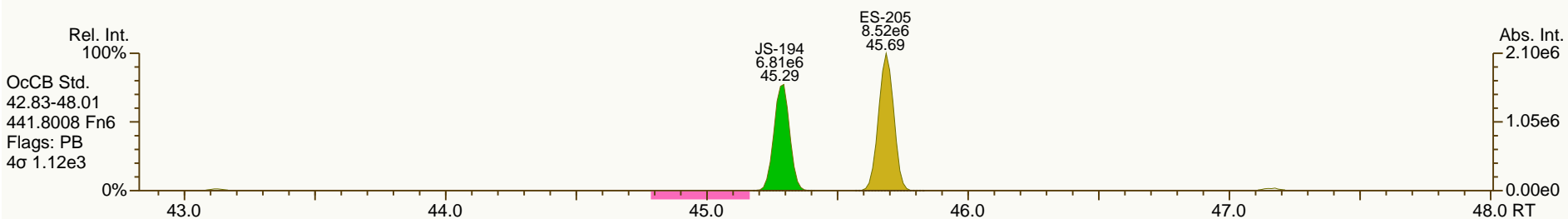
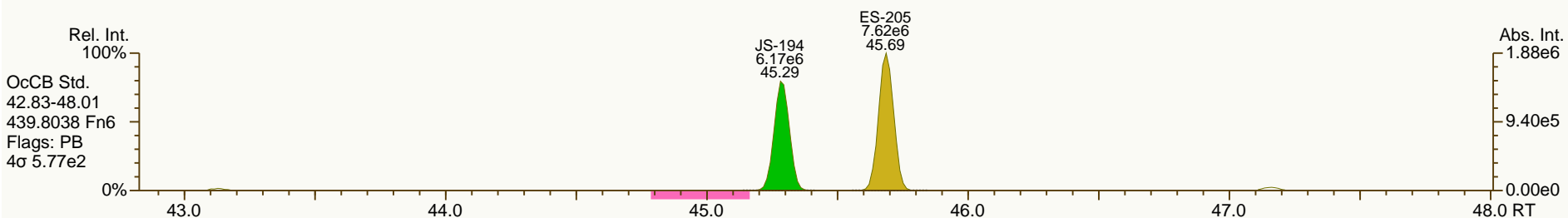
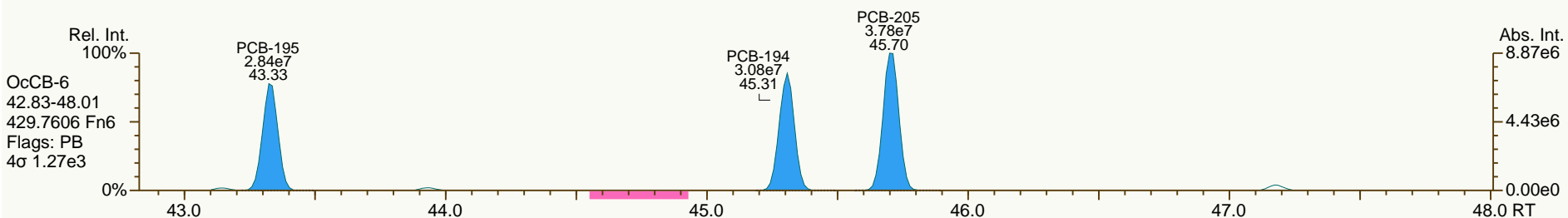
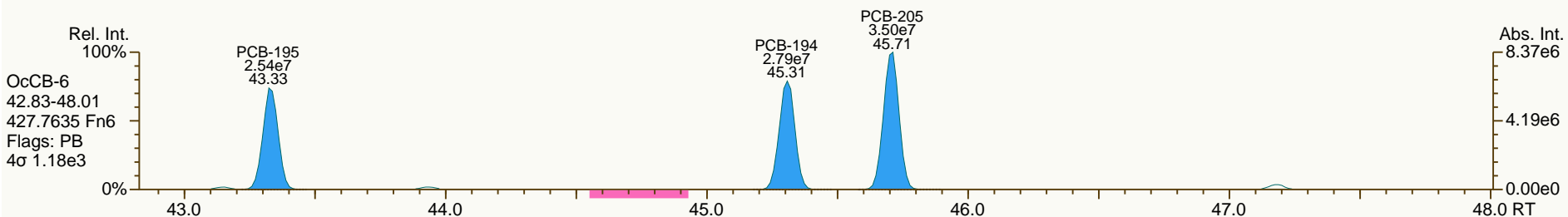
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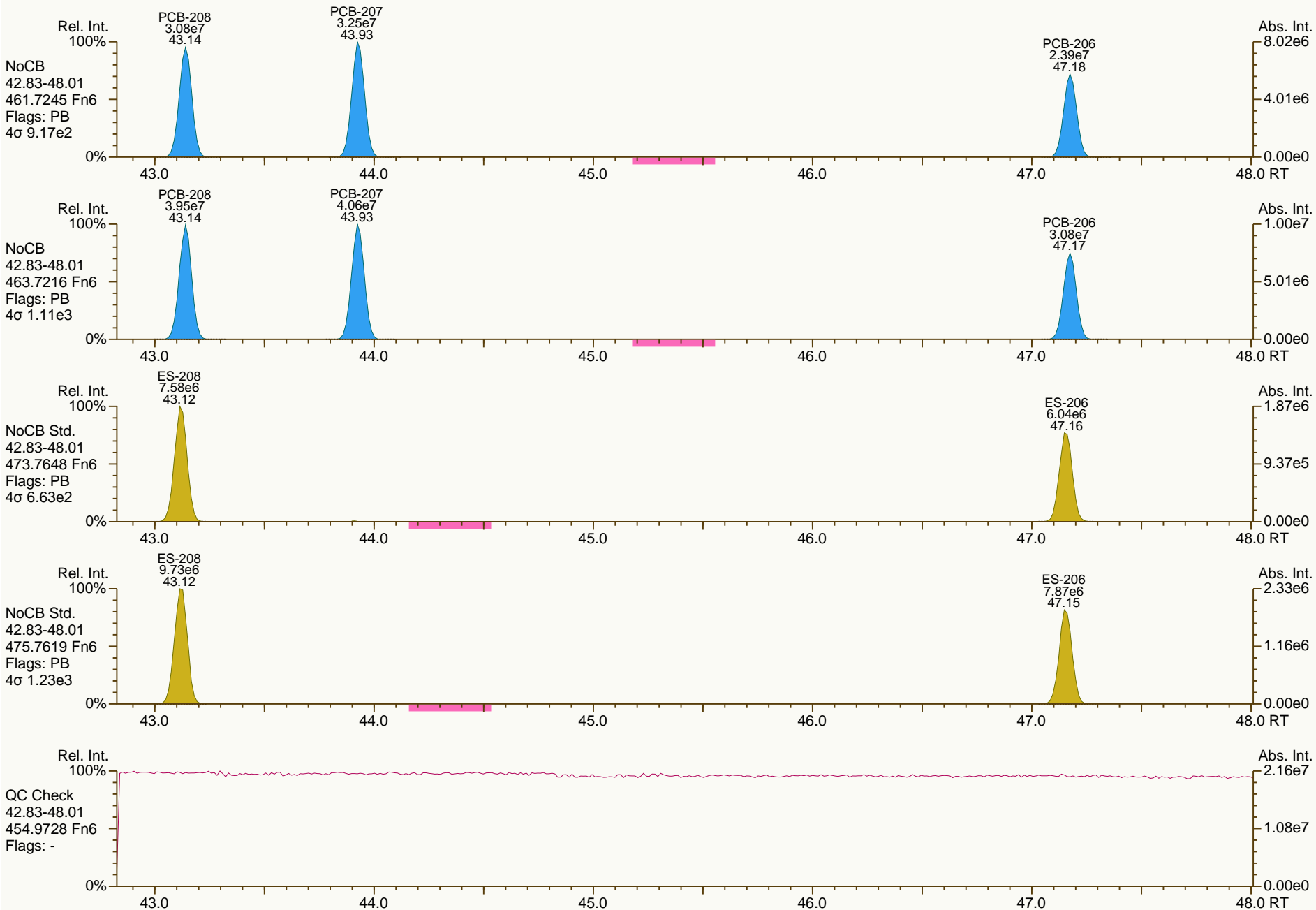
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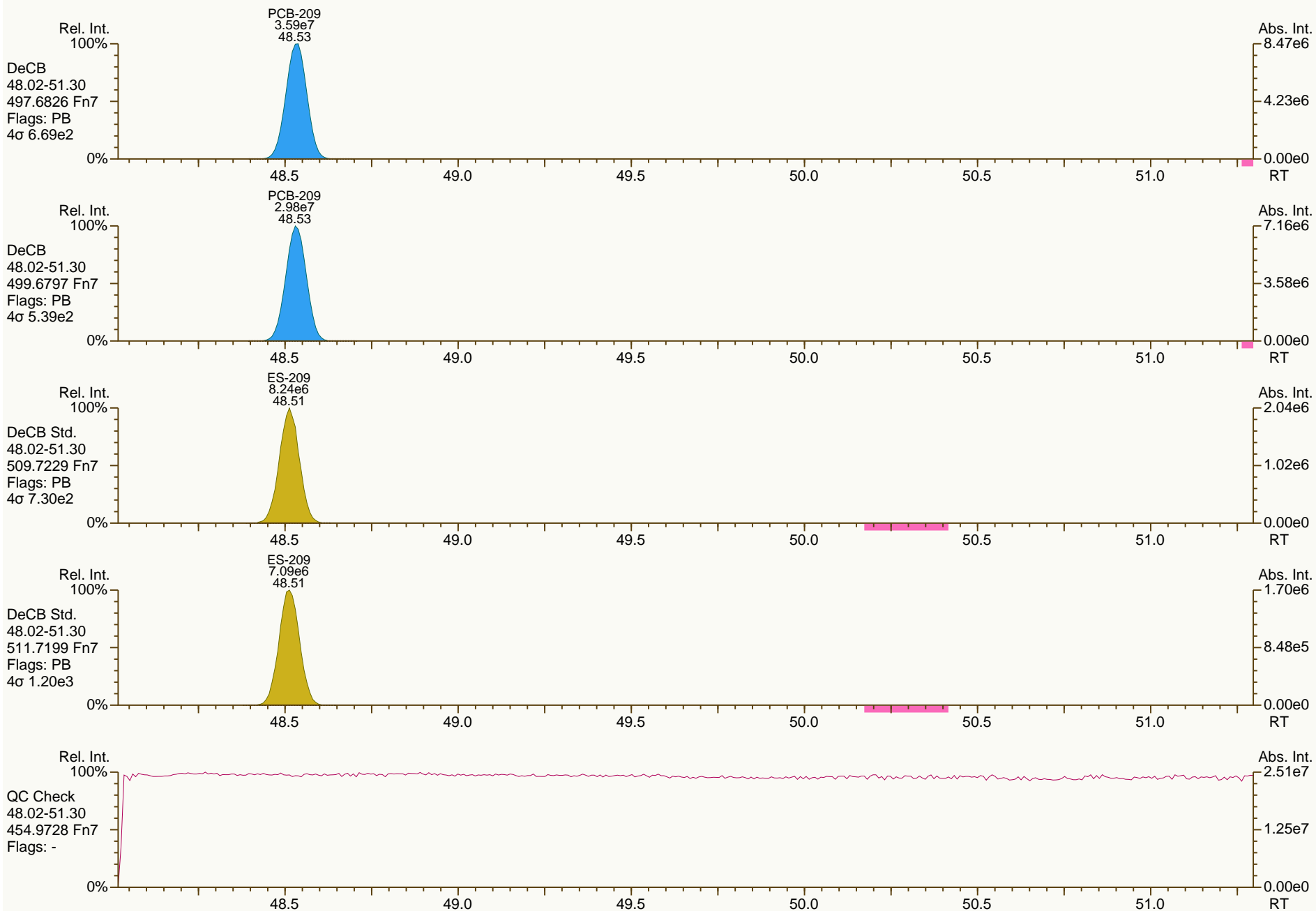
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PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%	
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%	
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%	
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%	
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%	
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%	
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%	
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%	
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%	
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%	
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%	
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%	
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%	
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%	
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%	
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%	
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%	
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%	
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%	
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%	
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%	
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%	
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%	
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%	
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%	
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%	
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%	
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%	
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%	
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%	
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%	
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%	
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%	
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%	
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%	
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%	
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%	
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%	
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%	
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%	
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	2.7%	
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	4.6%	
PCB-59/62/75 233'6-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	4.2%	
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	2.9%	
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	5.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	4.5%	
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	3.5%	
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	4.4%	
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.6%	
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	2.1%	
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	0.0%	
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	3.6%	
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	5.5%	
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	6.2%	
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	4.2%	
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	2.1%	
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	4.1%	
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	5.6%	
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	2.9%	
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	5.6%	
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	3.2%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	2.9%	
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	7.4%	
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	3.6%	
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	6.1%	
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	8.0%	
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	6.5%	
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	8.6%	
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	7.5%	
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	5.8%	
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	5.3%	
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	5.0%	
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	4.0%	
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	2.7%	
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	4.6%	
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	3.8%	
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	9.0%	
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	2.6%	
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	5.1%	
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	8.5%	
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	7.1%	

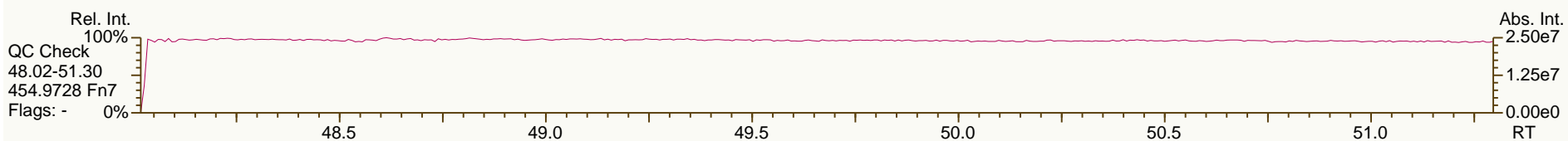
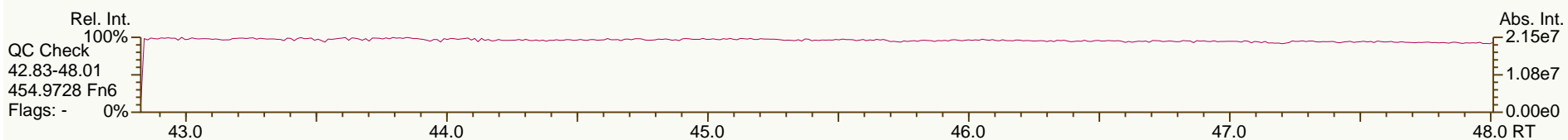
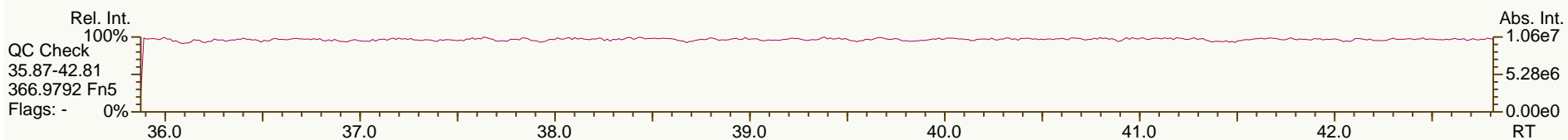
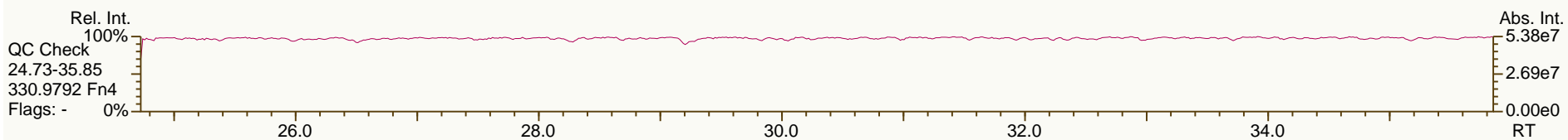
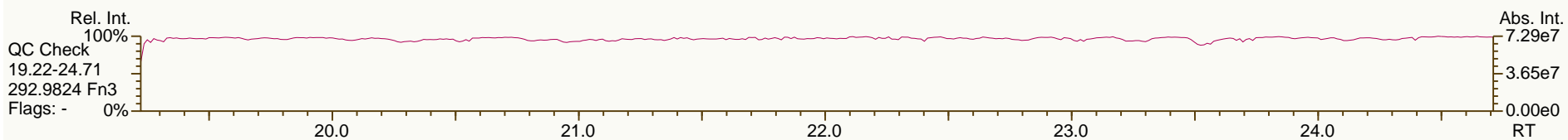
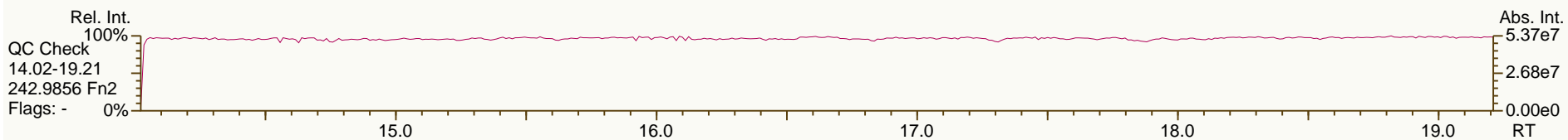
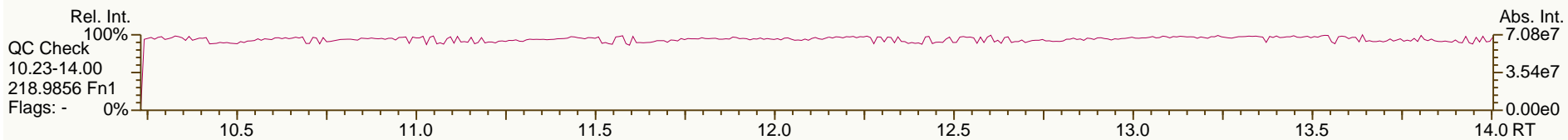
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

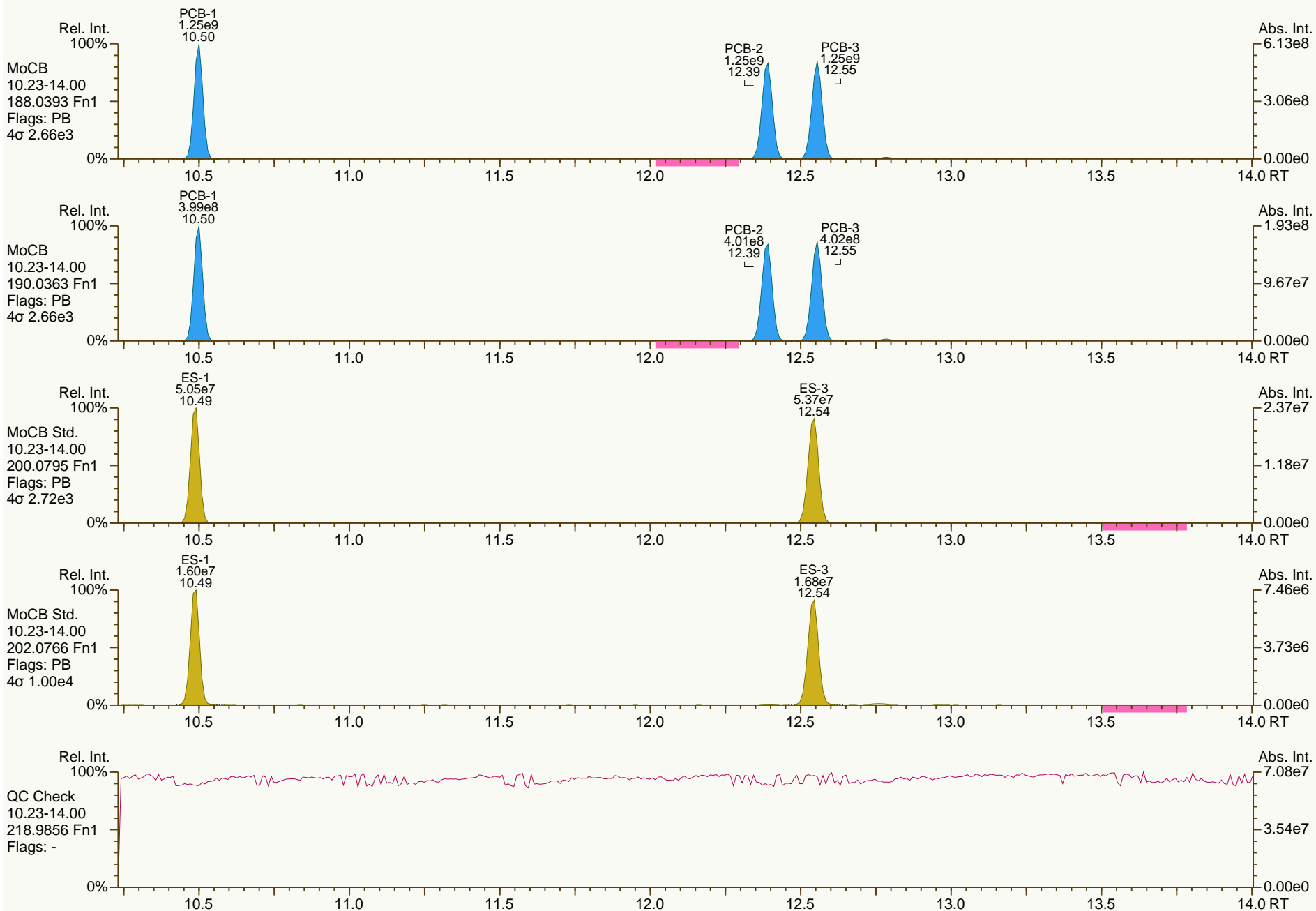
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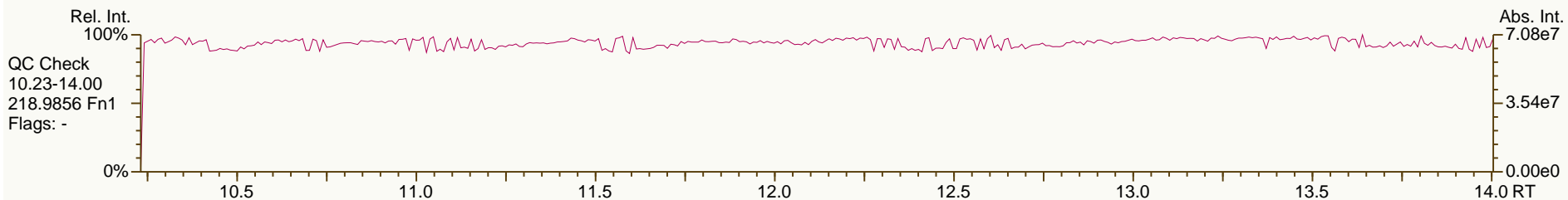
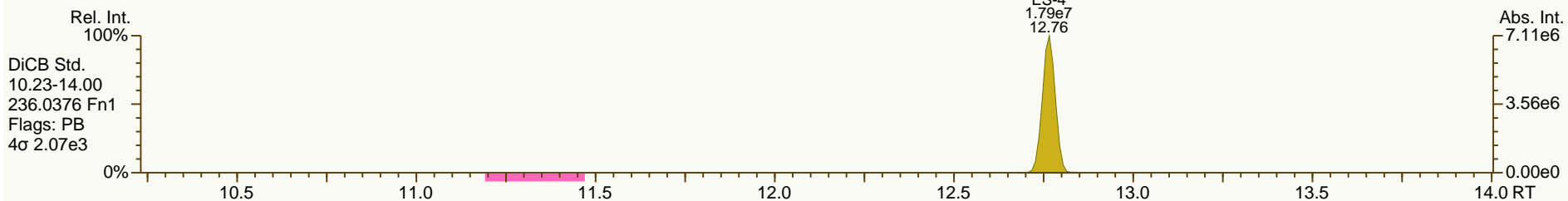
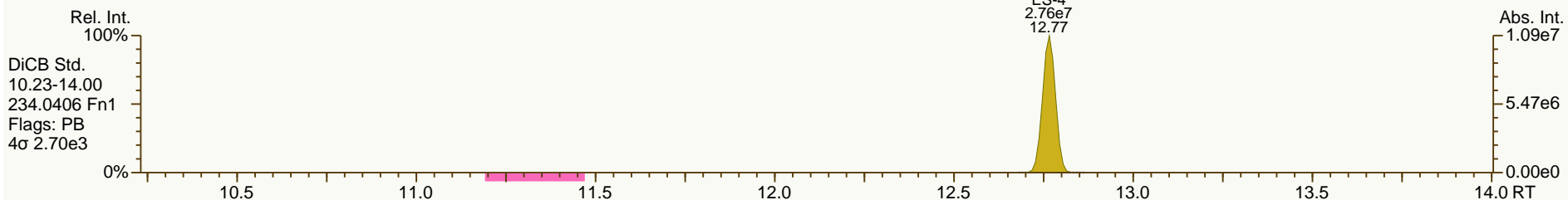
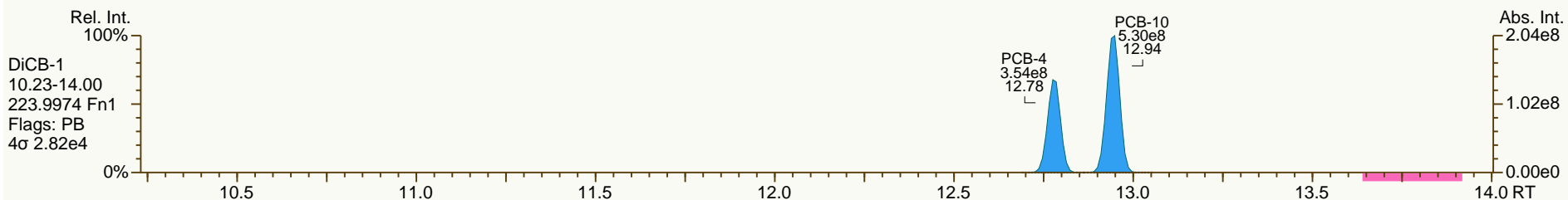
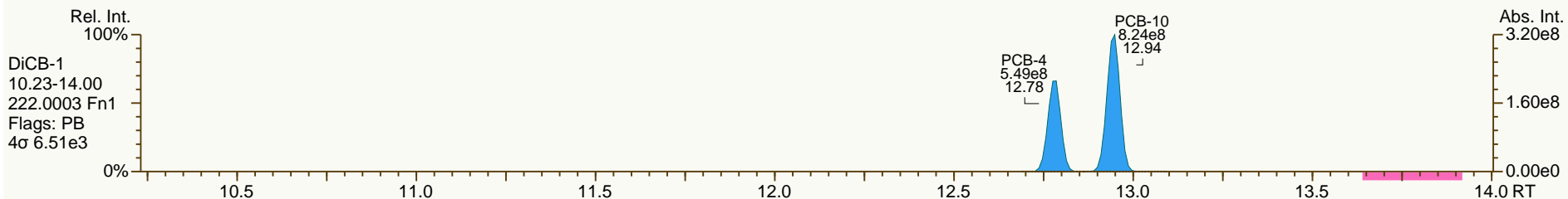
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
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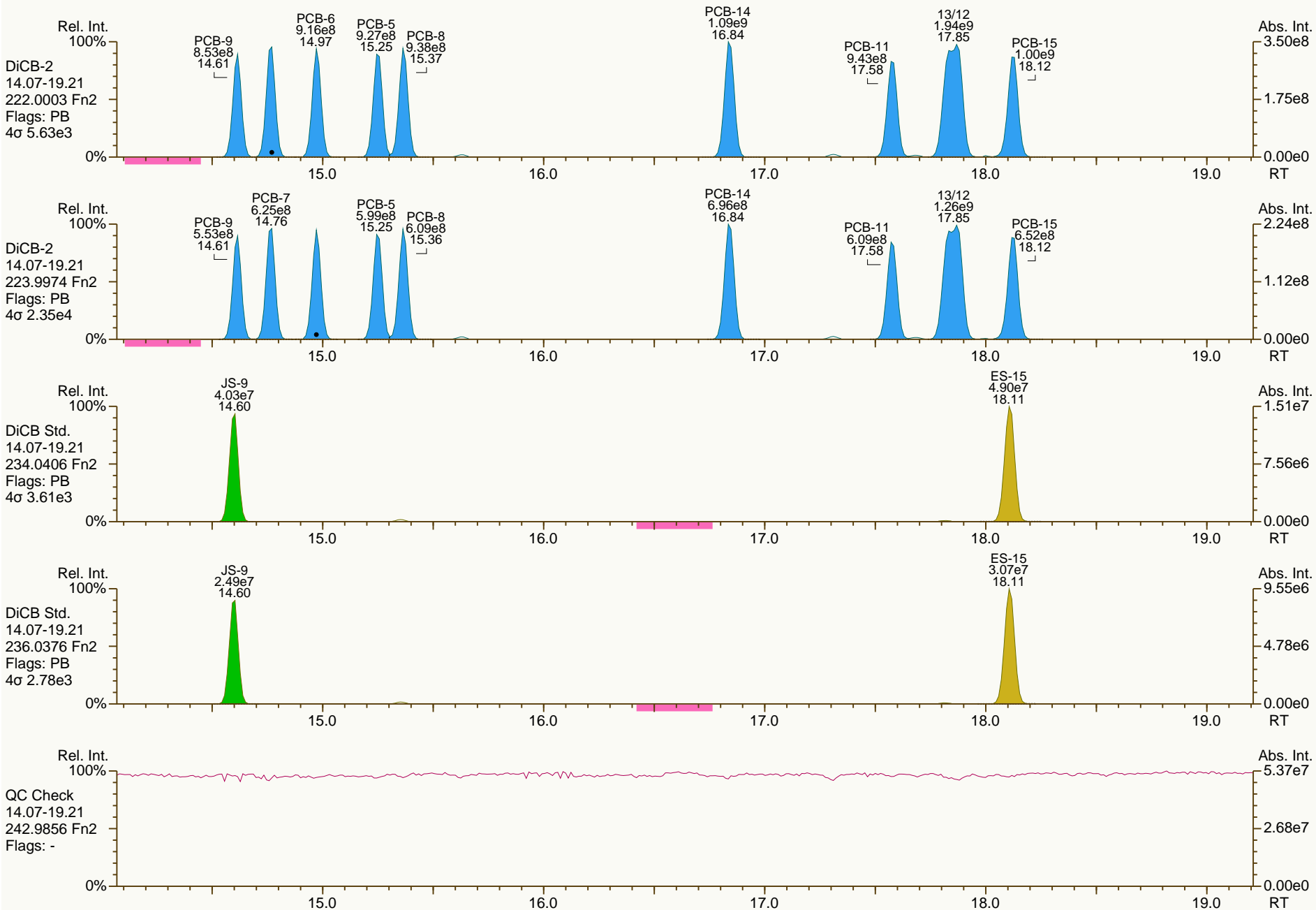
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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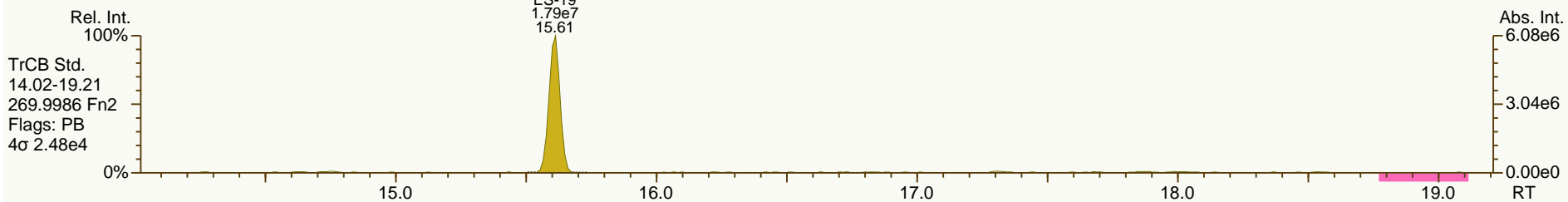
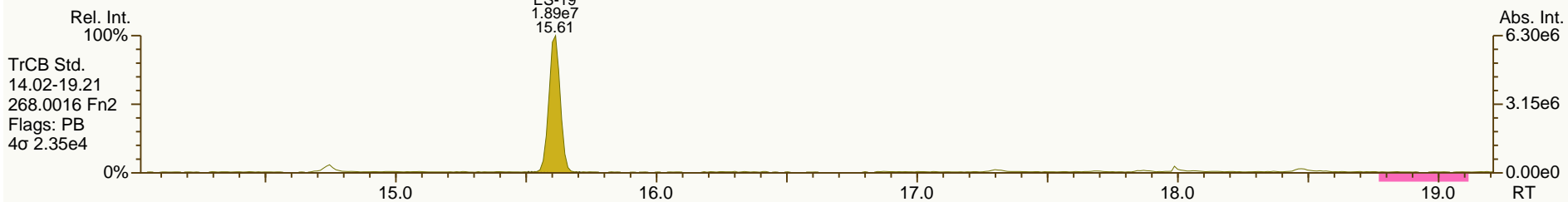
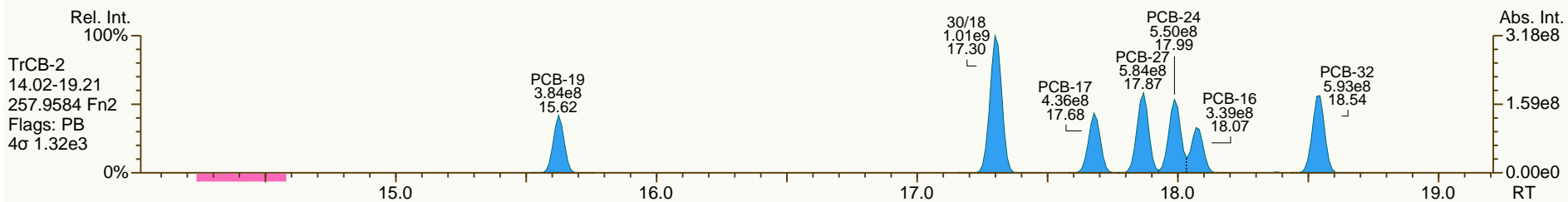
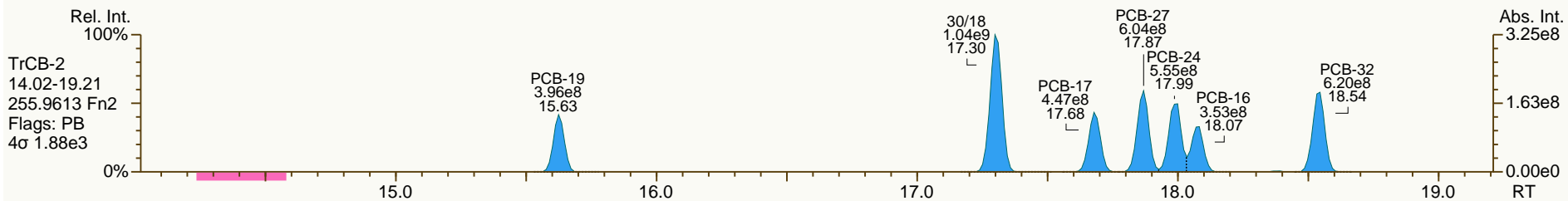
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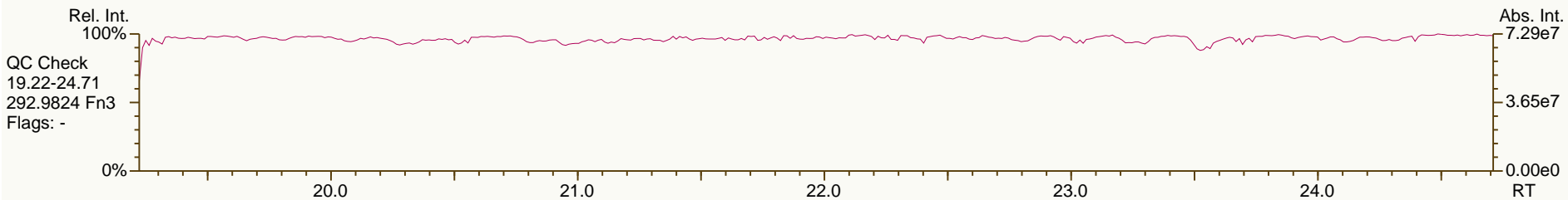
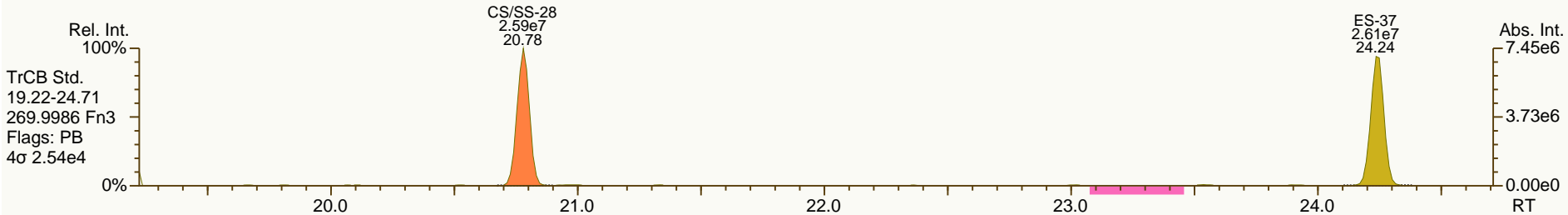
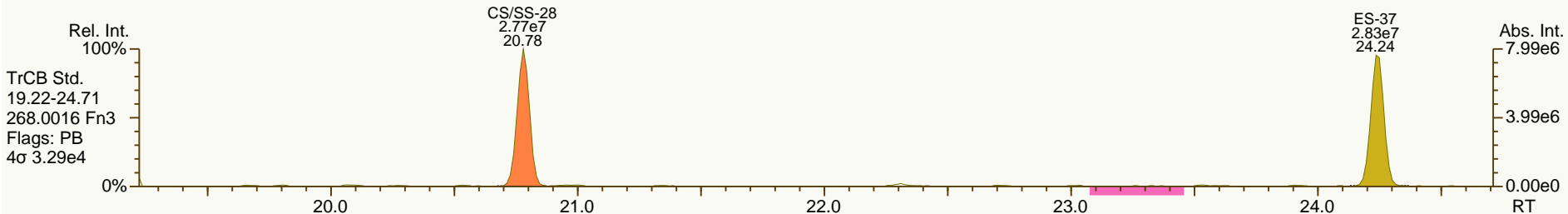
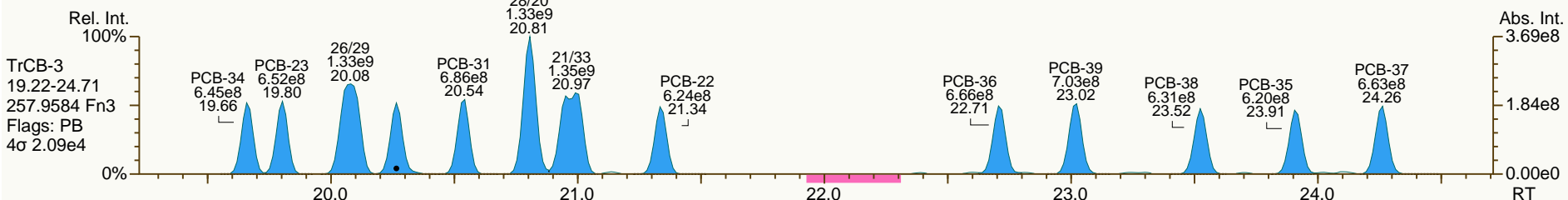
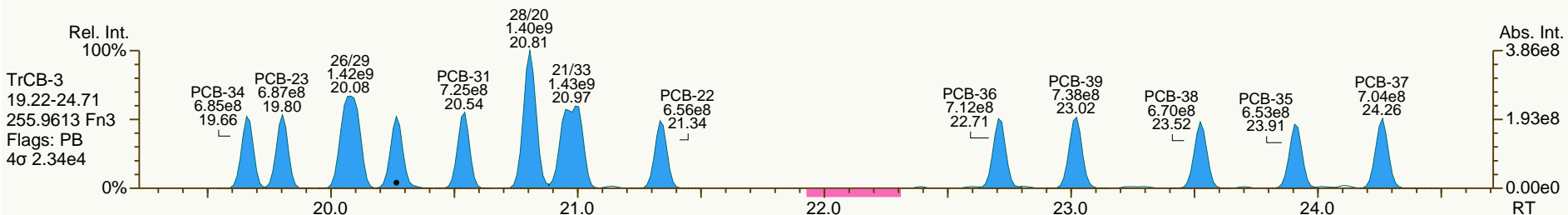
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Sample ID: SIL 12-5-1
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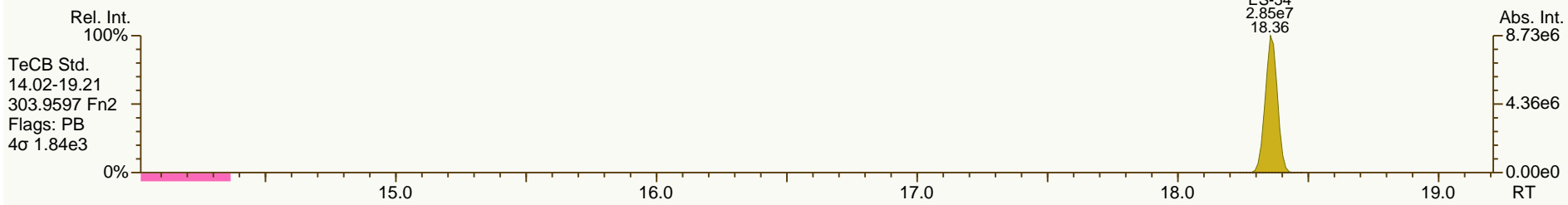
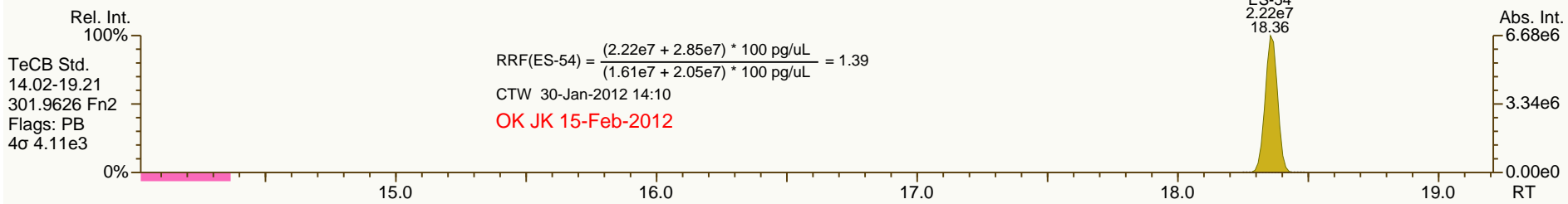
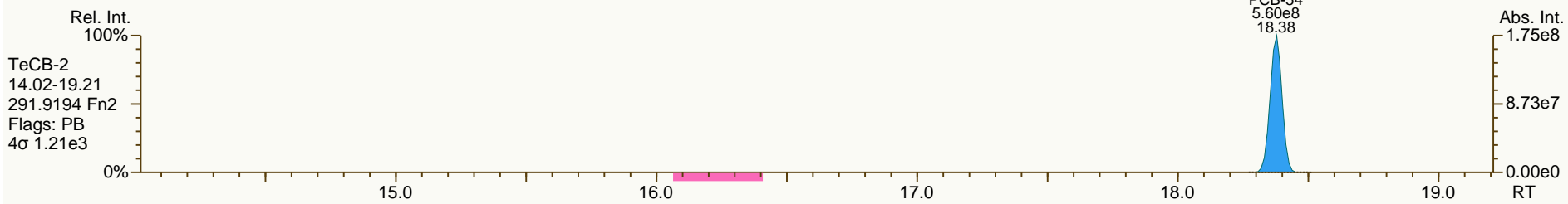
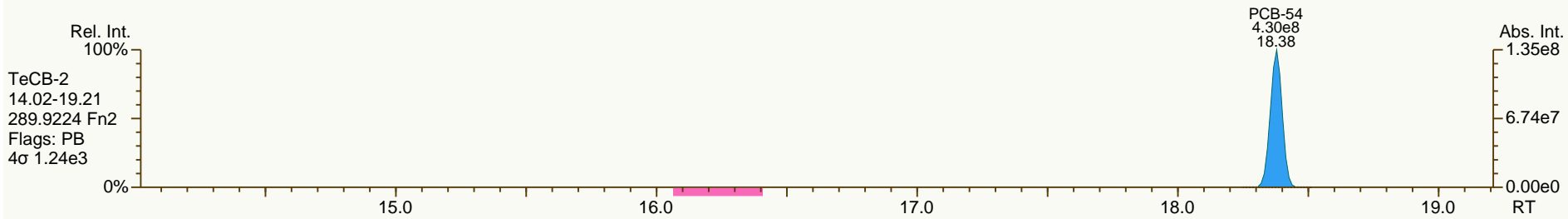
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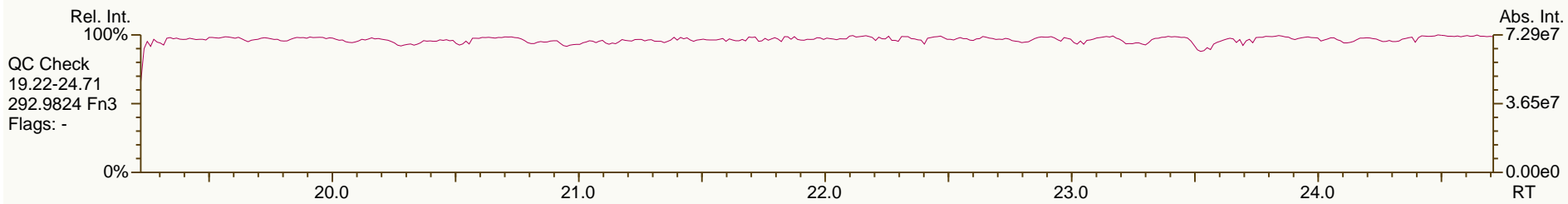
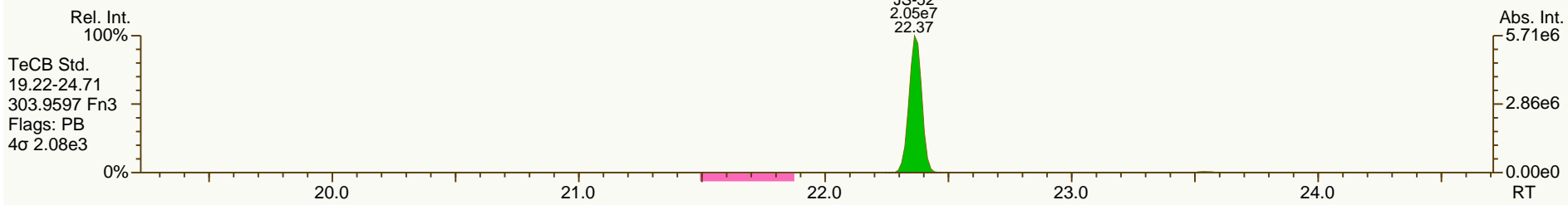
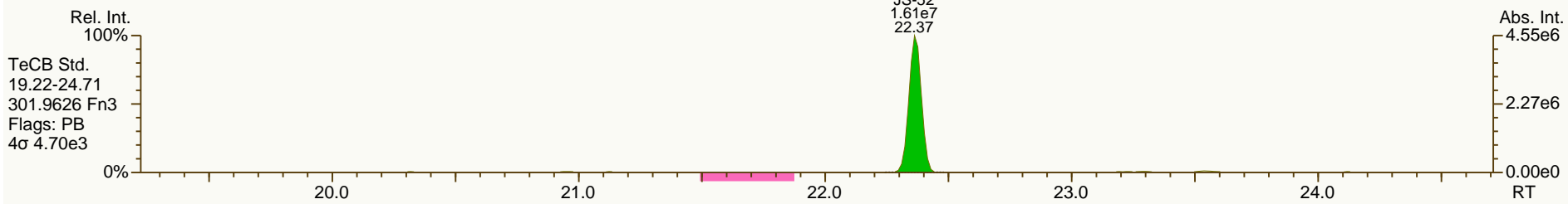
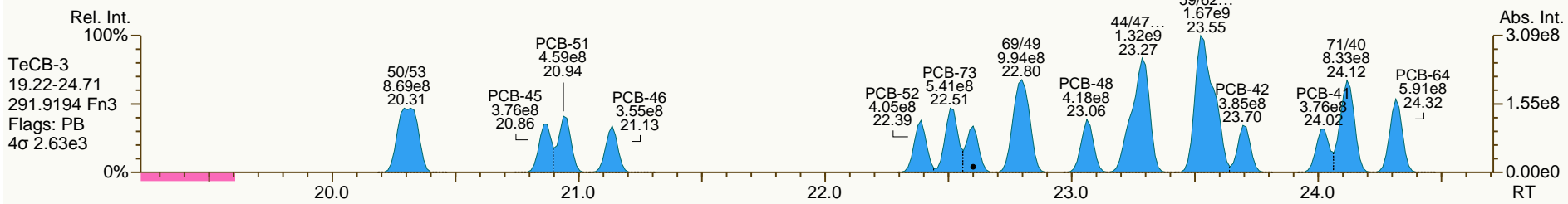
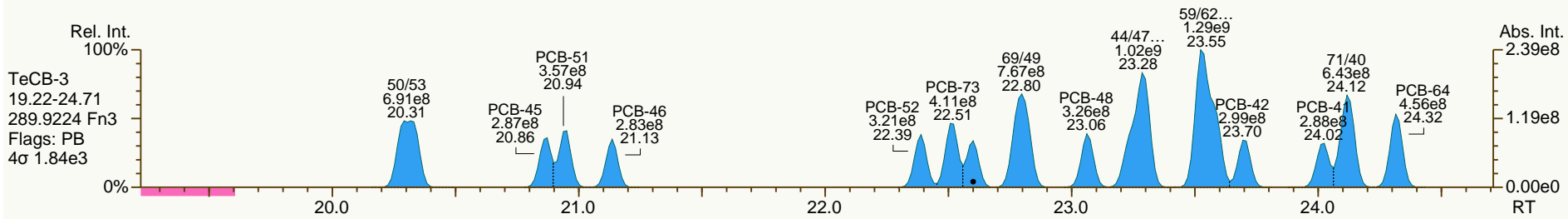
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AP Lab ID: CS5_120126_PCB_SA
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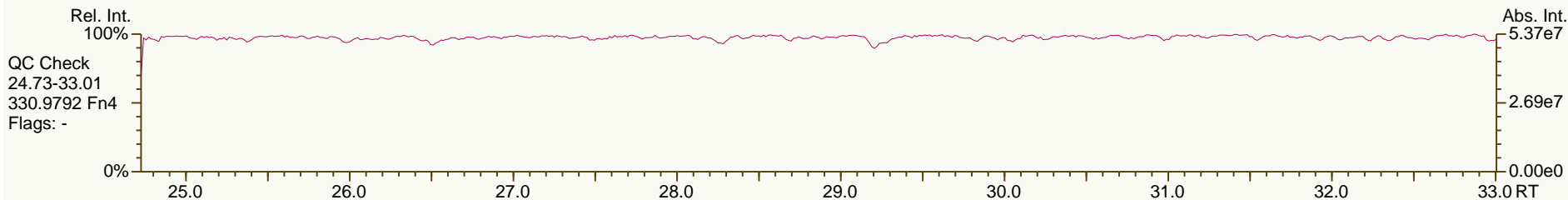
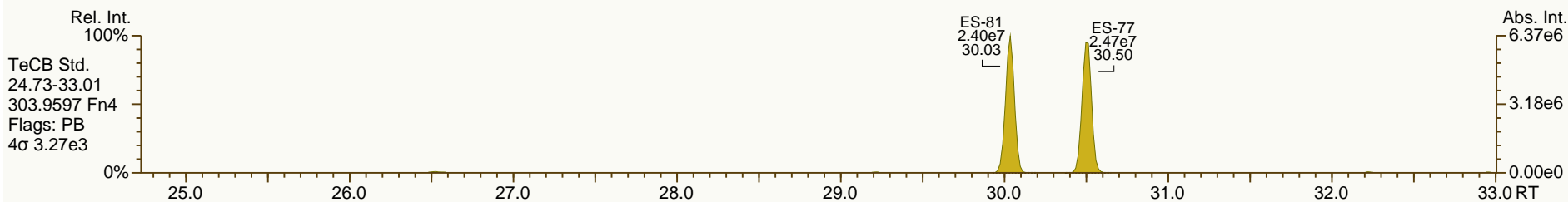
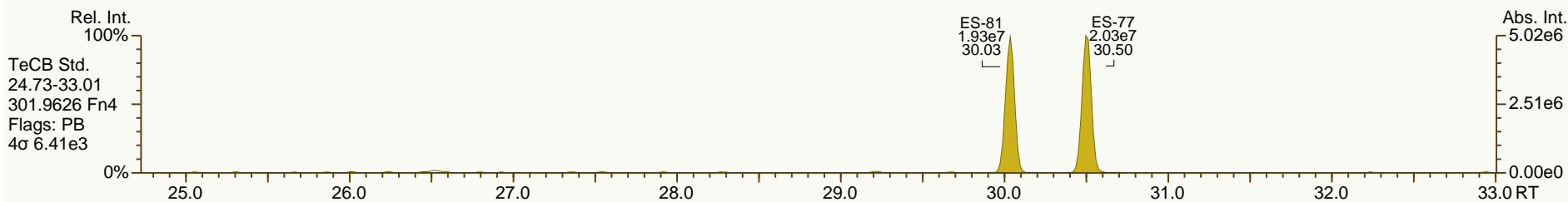
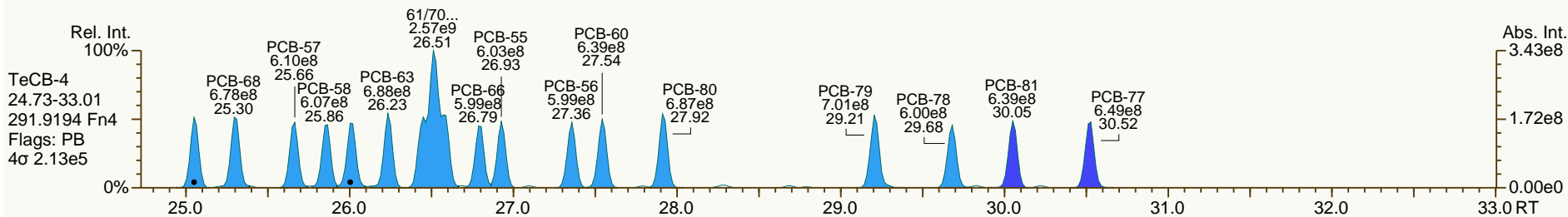
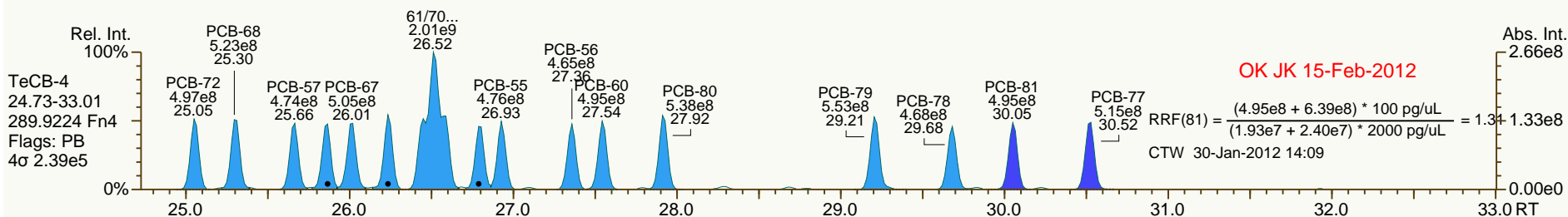
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Sample ID: SIL 12-5-1
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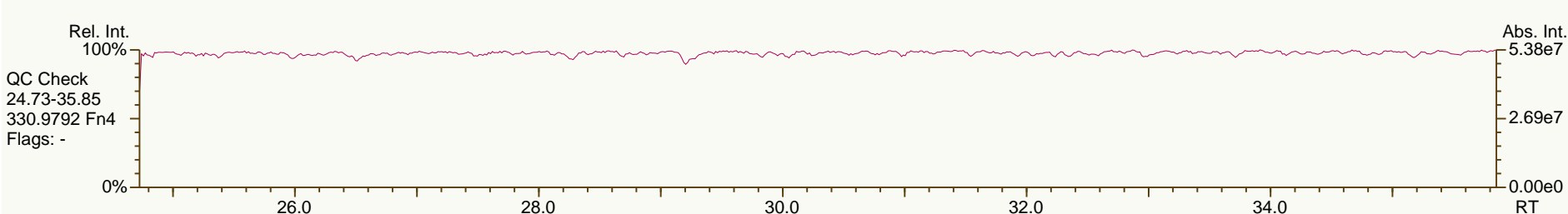
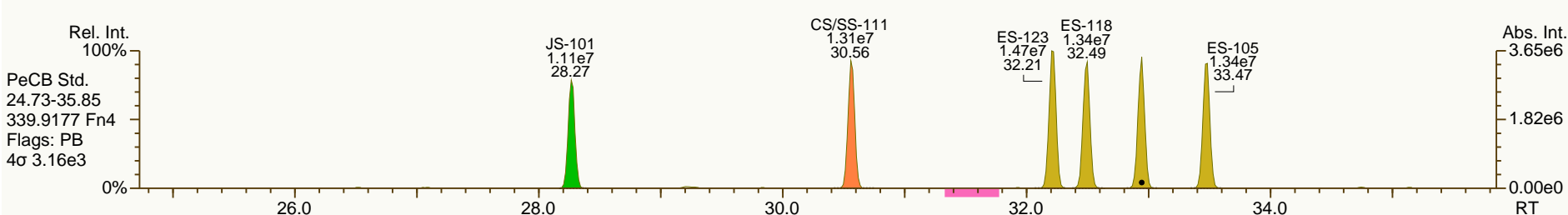
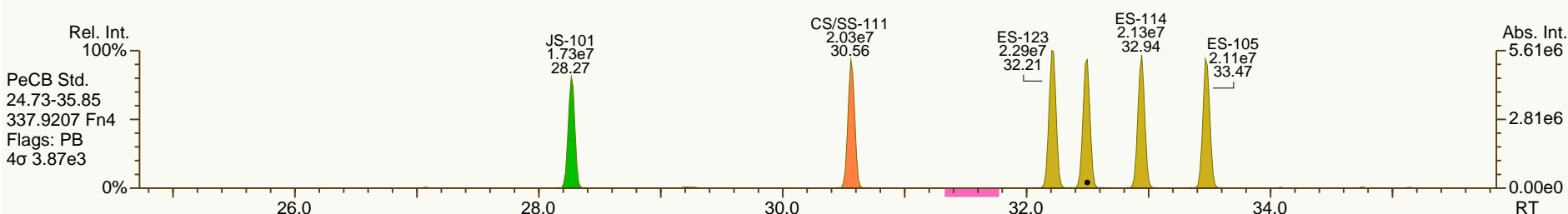
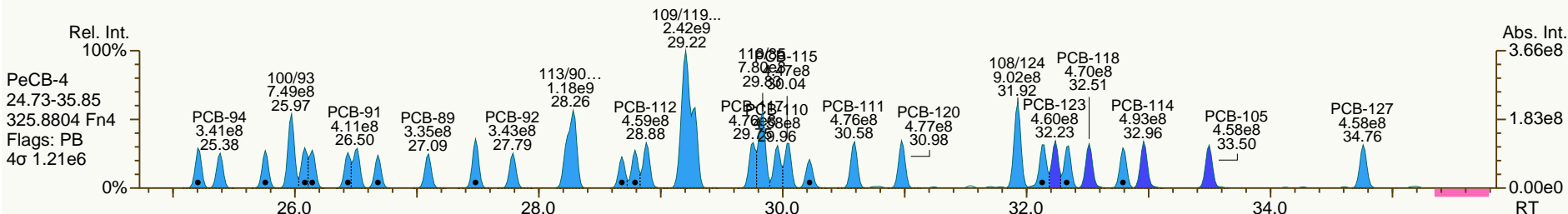
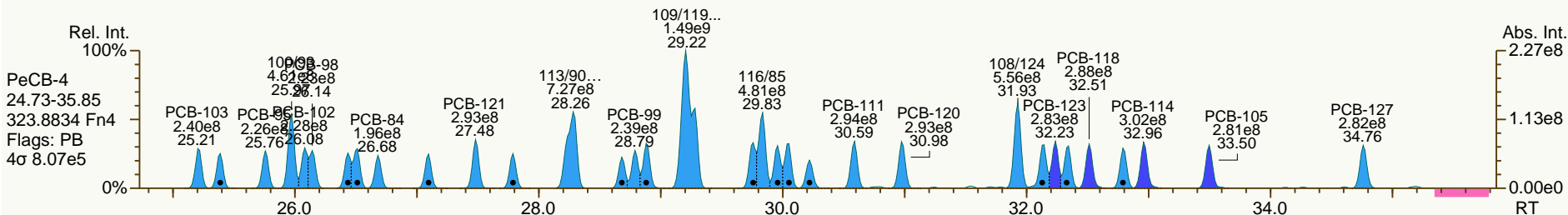
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 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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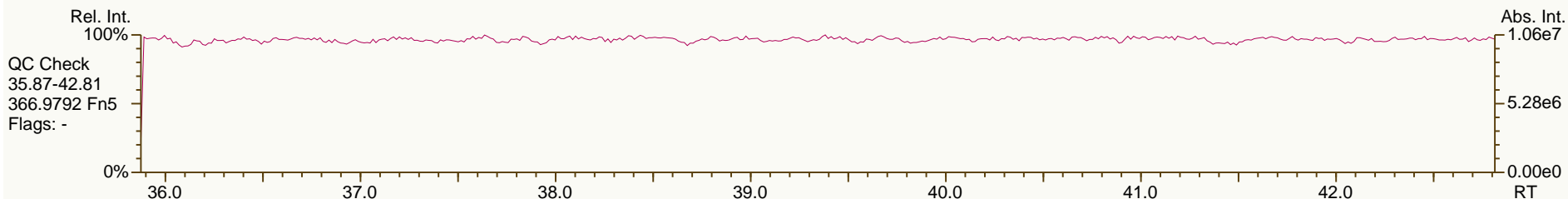
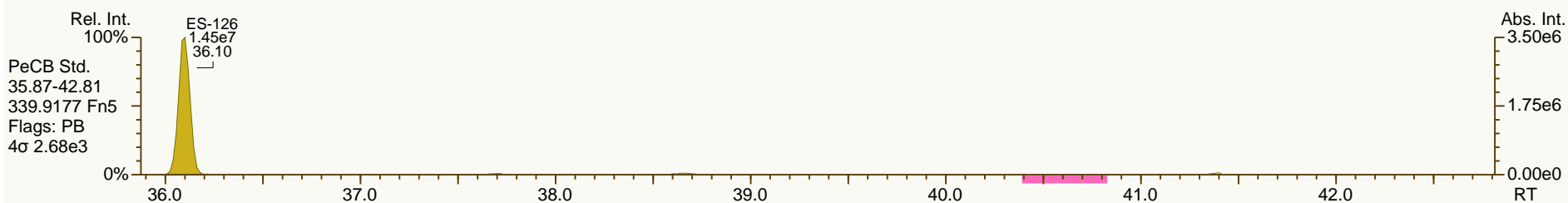
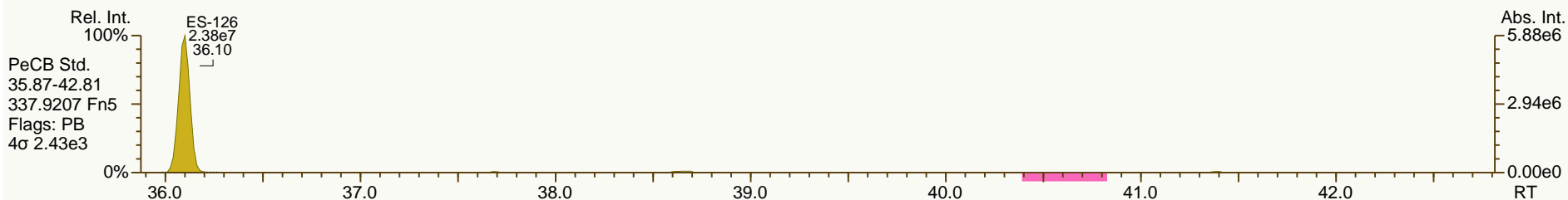
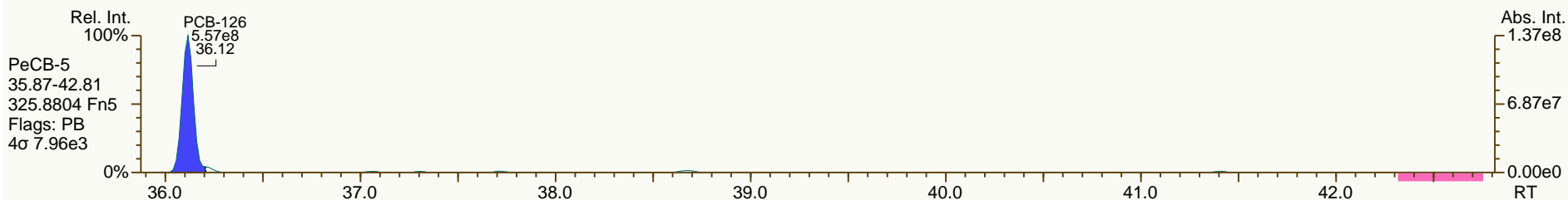
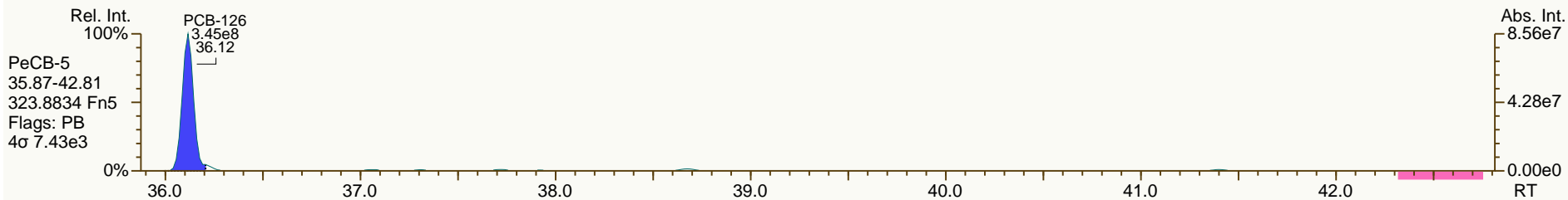
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AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

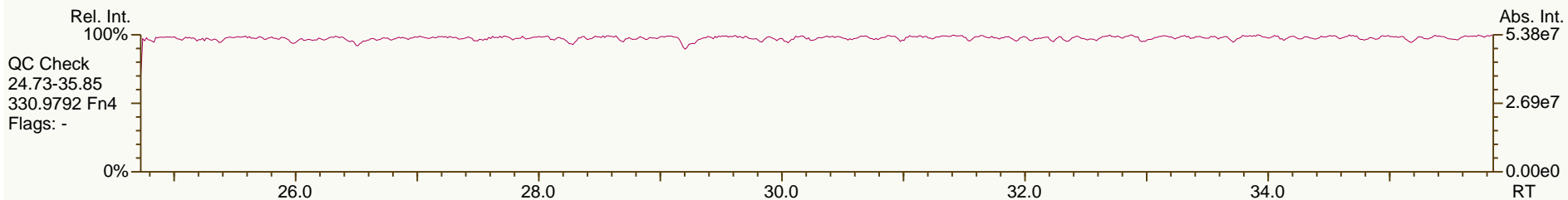
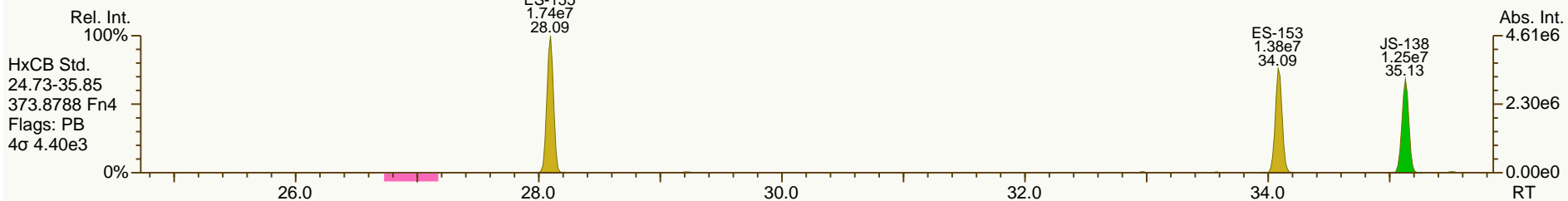
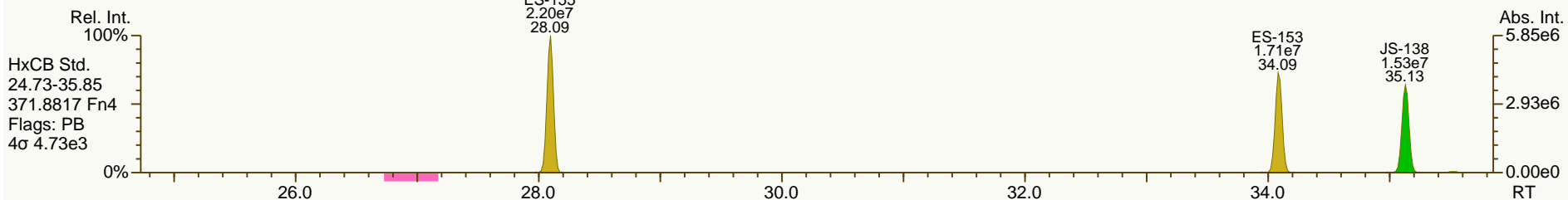
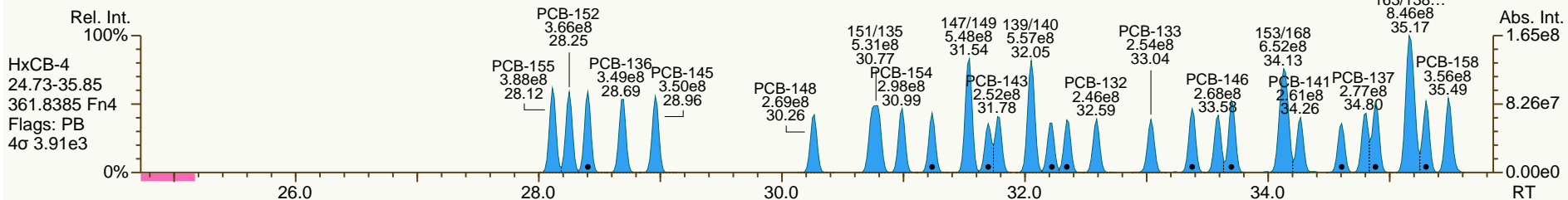
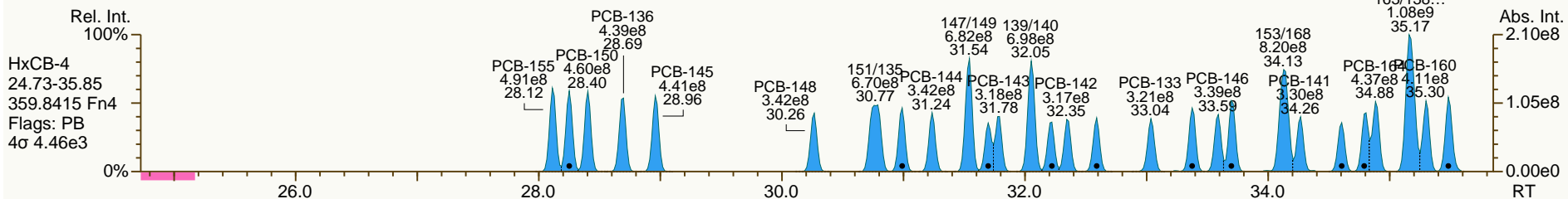
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AP Lab ID: CS5_120126_PCB_SA
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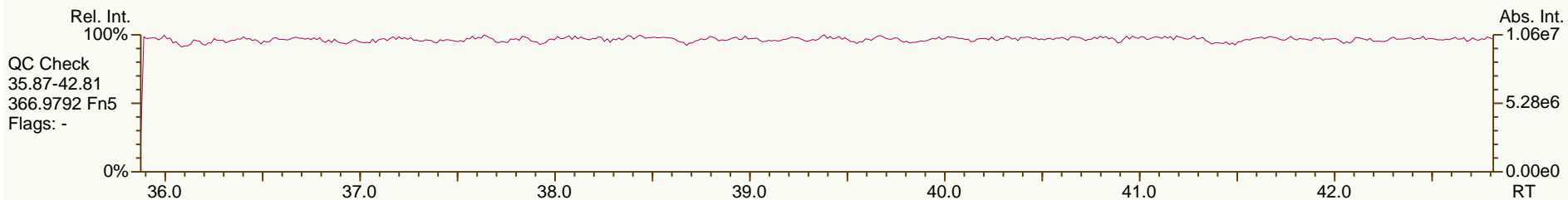
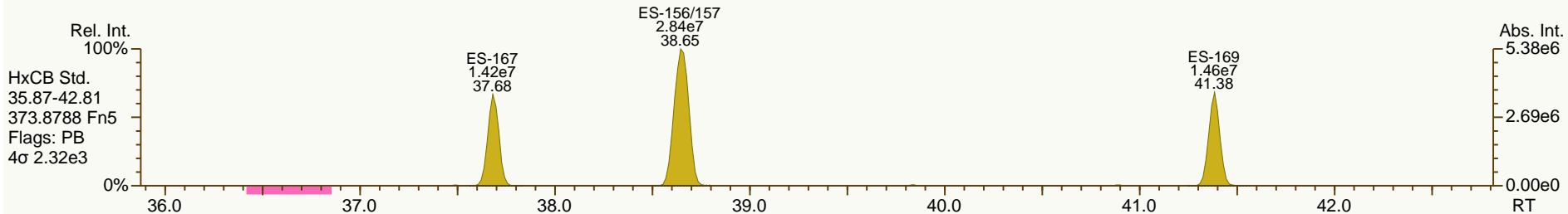
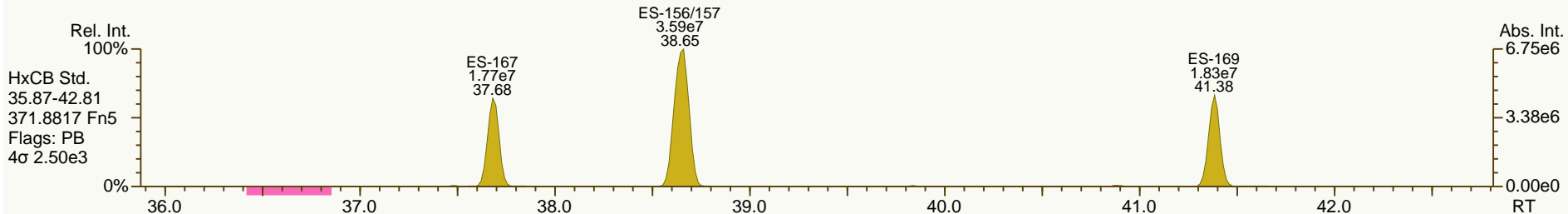
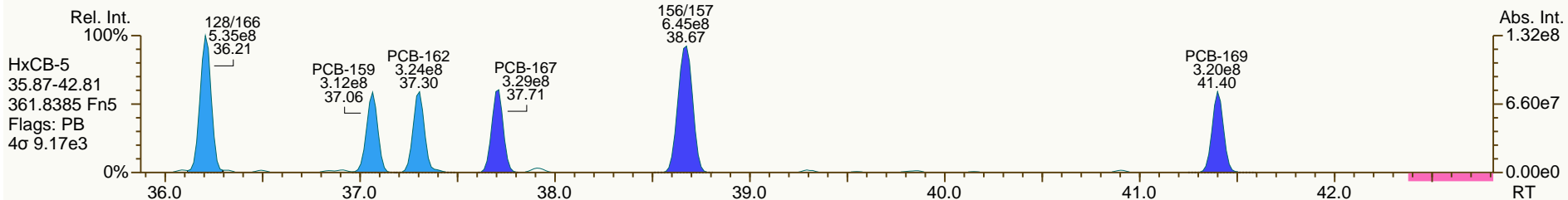
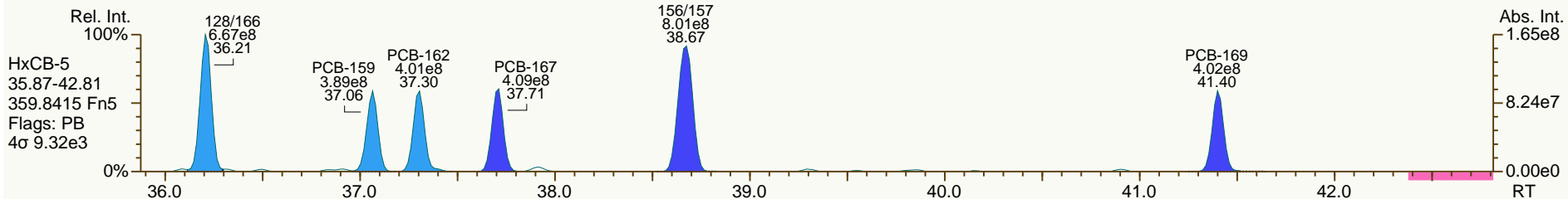
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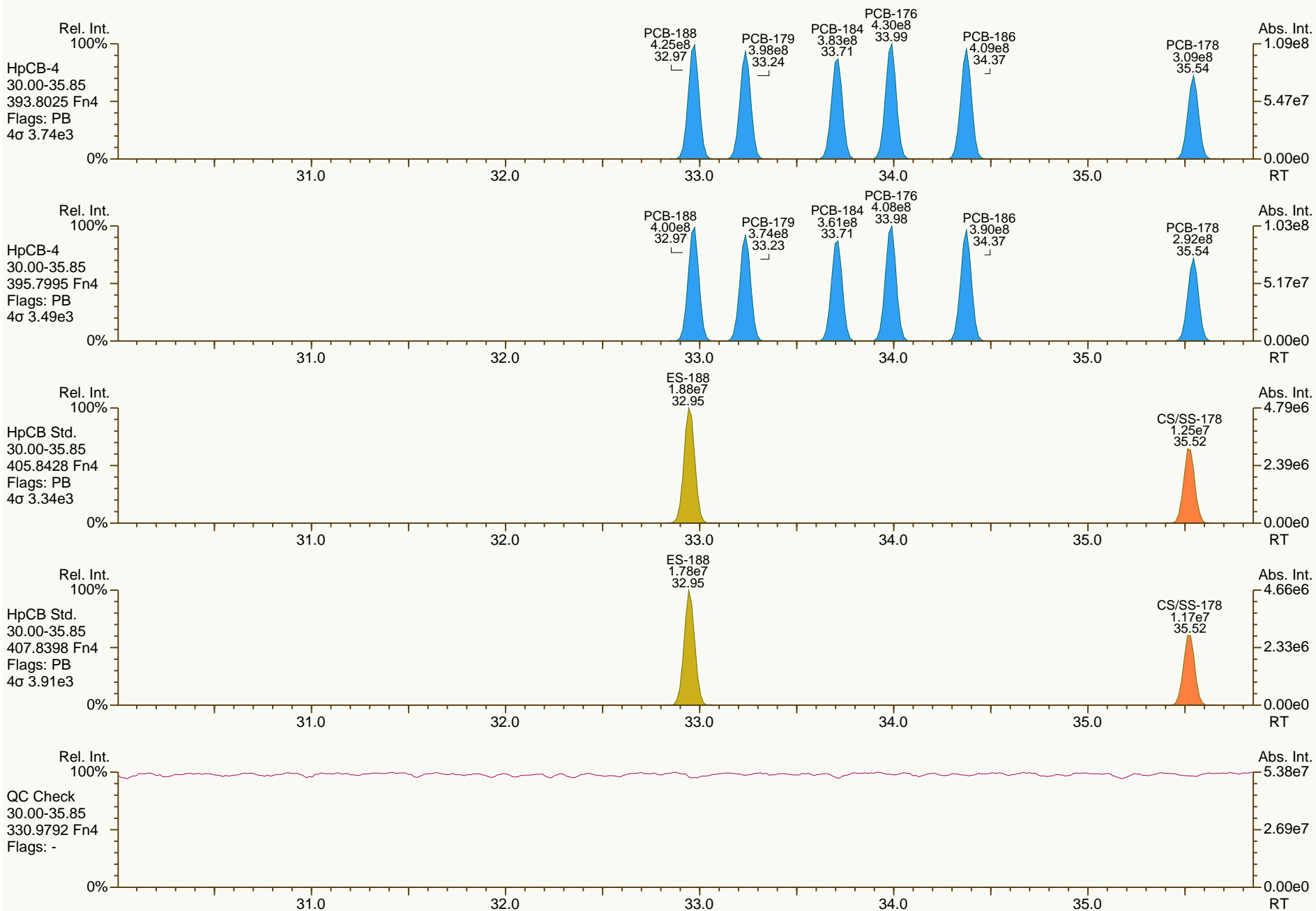
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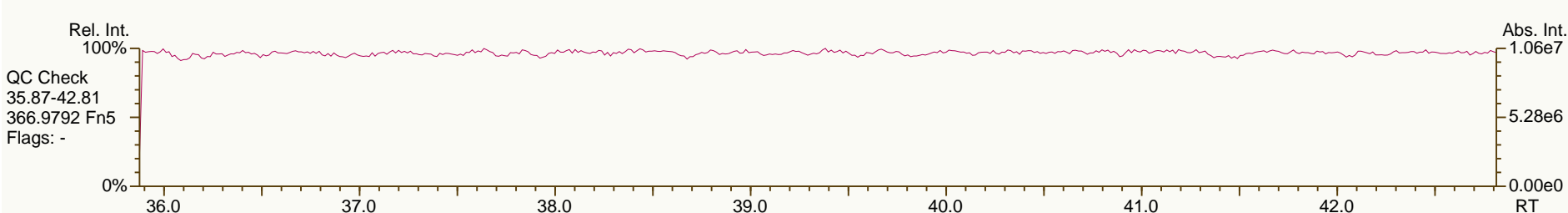
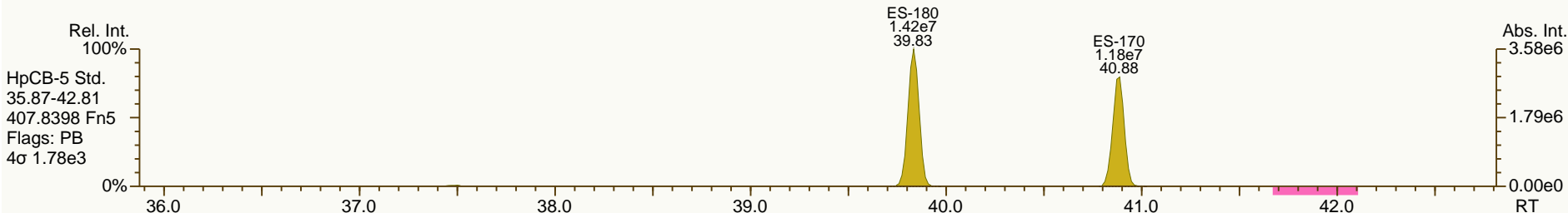
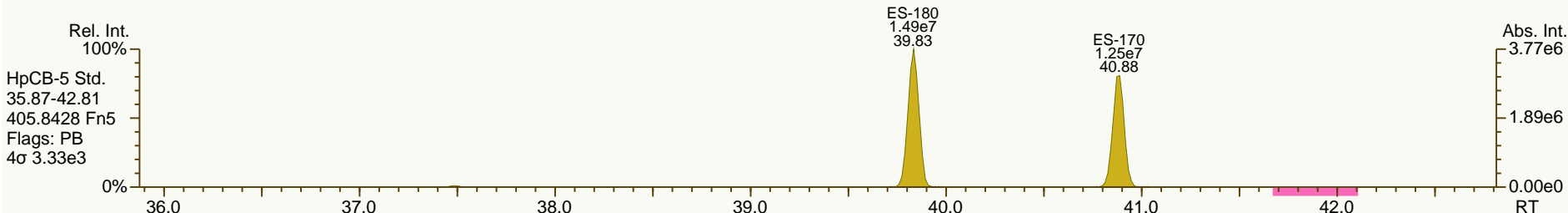
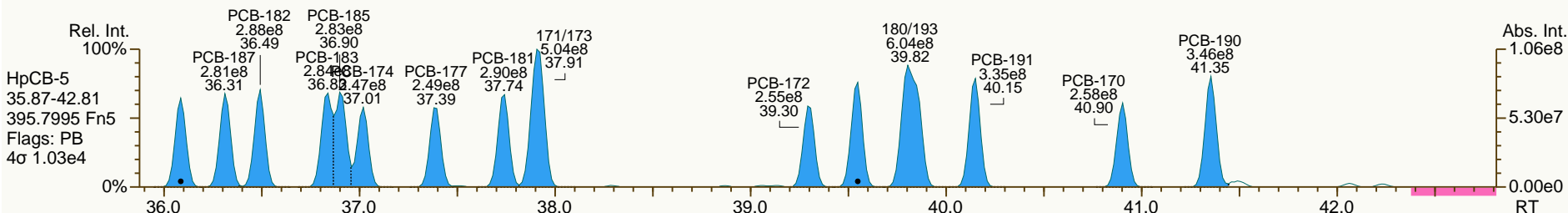
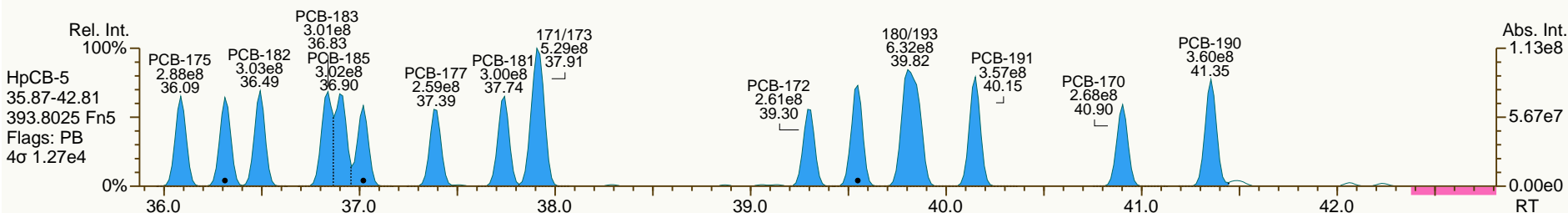
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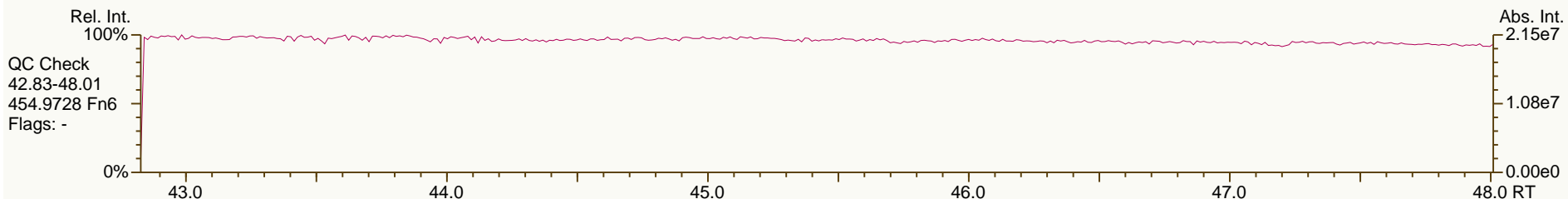
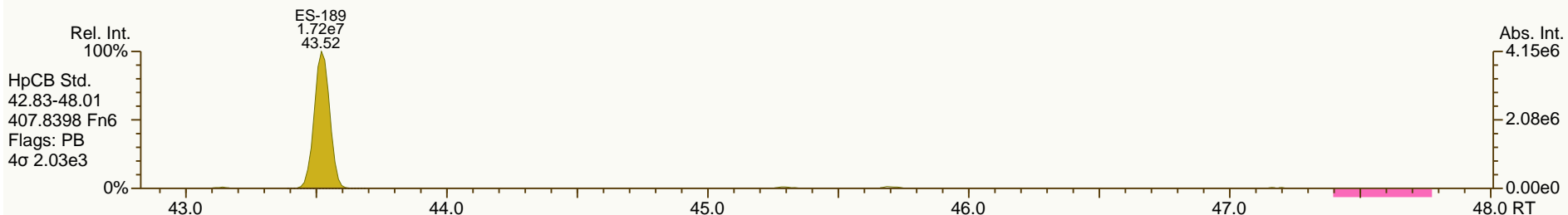
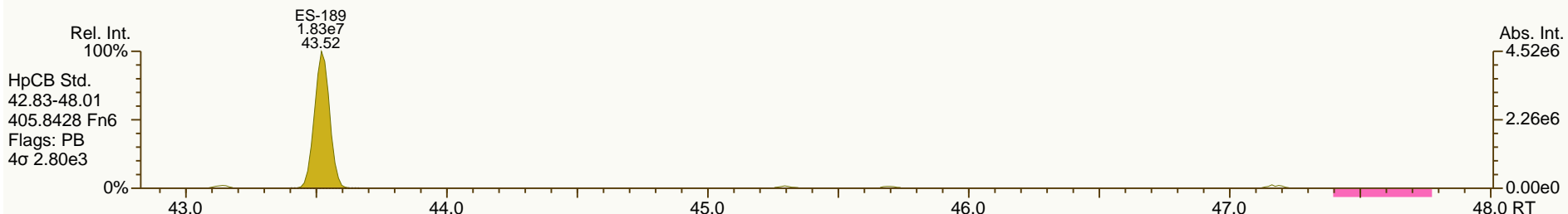
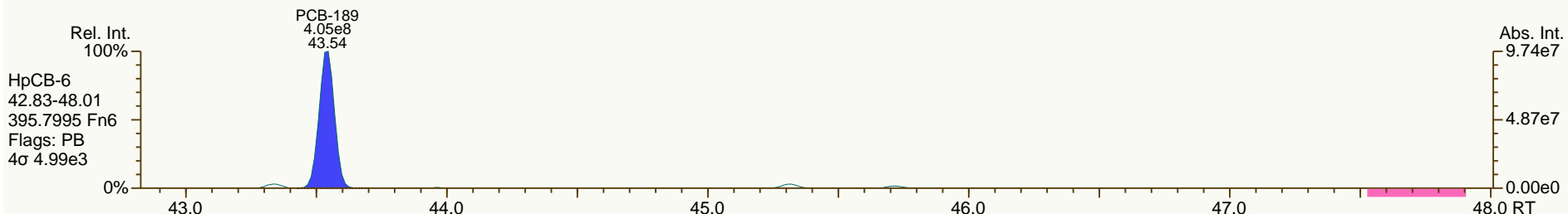
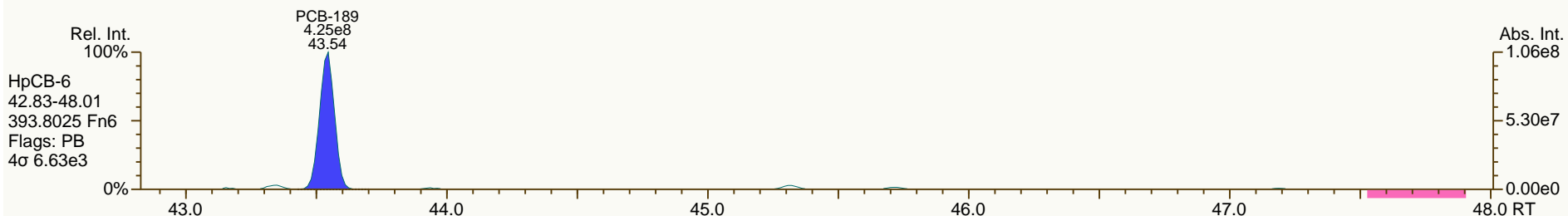
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
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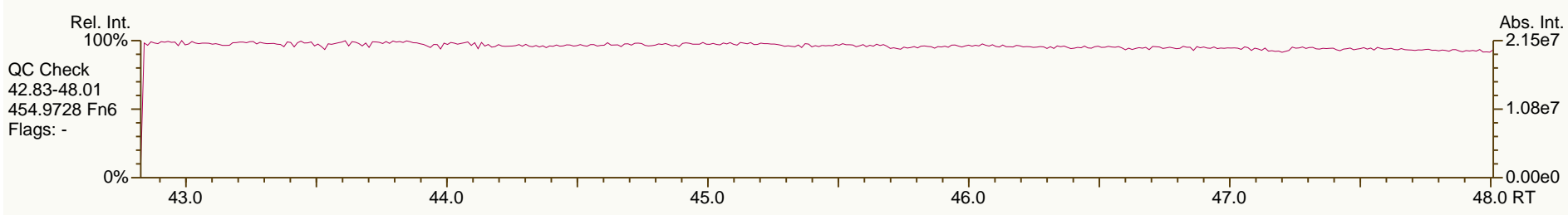
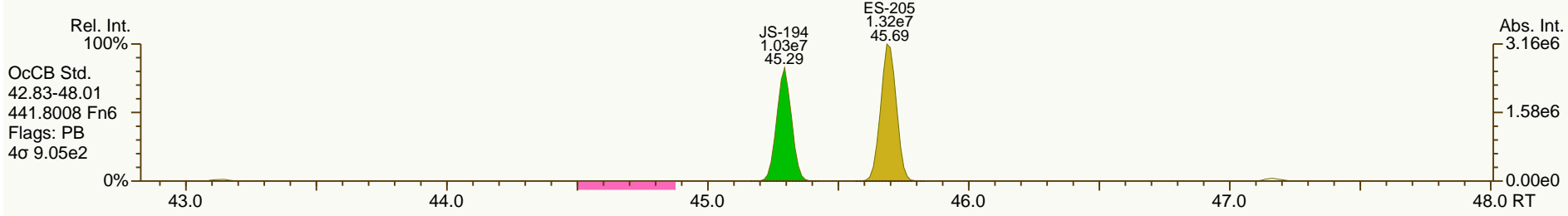
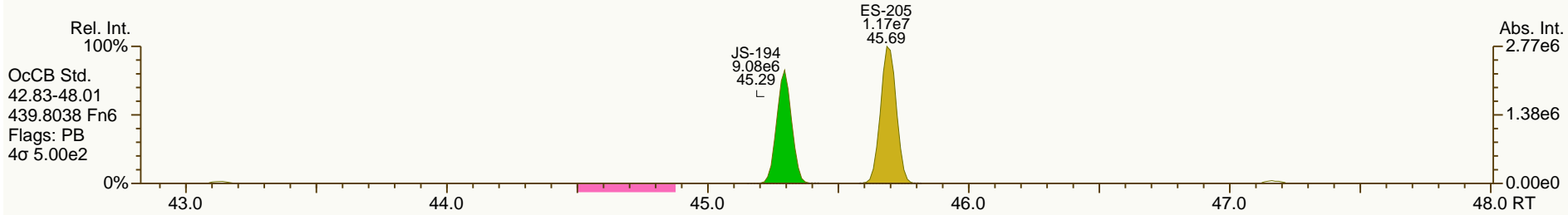
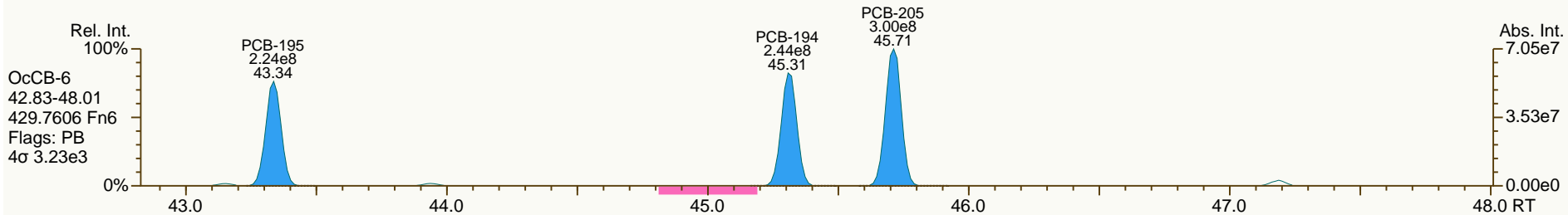
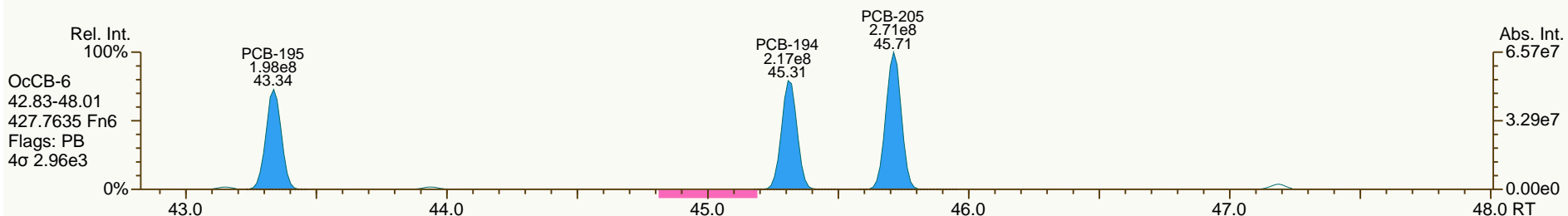
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AP Lab ID: CS5_120126_PCB_SA
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Sample ID: SIL 12-5-1
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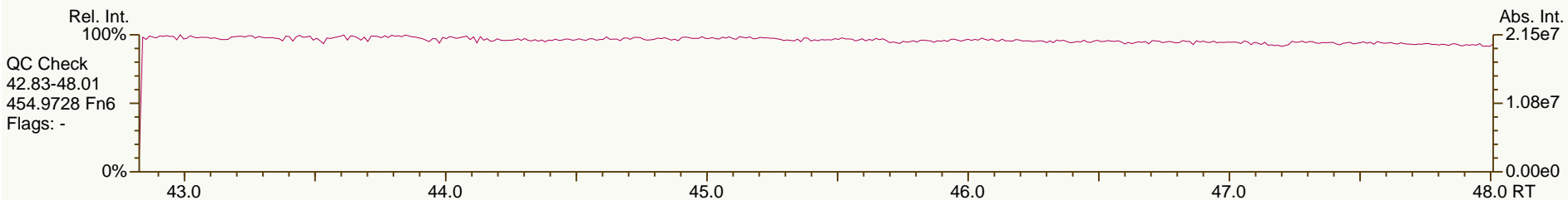
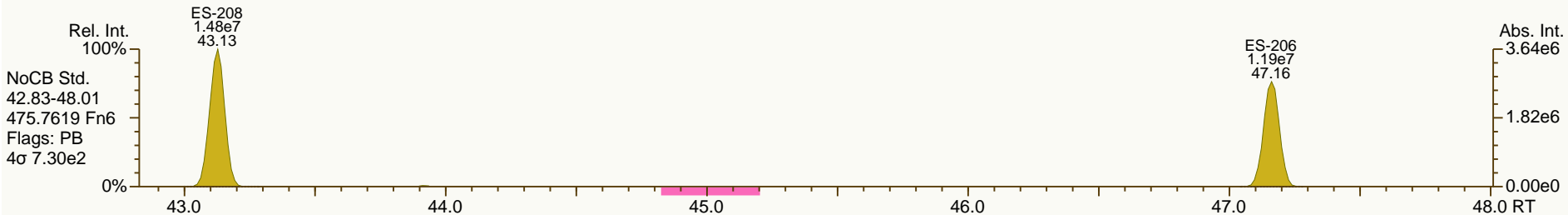
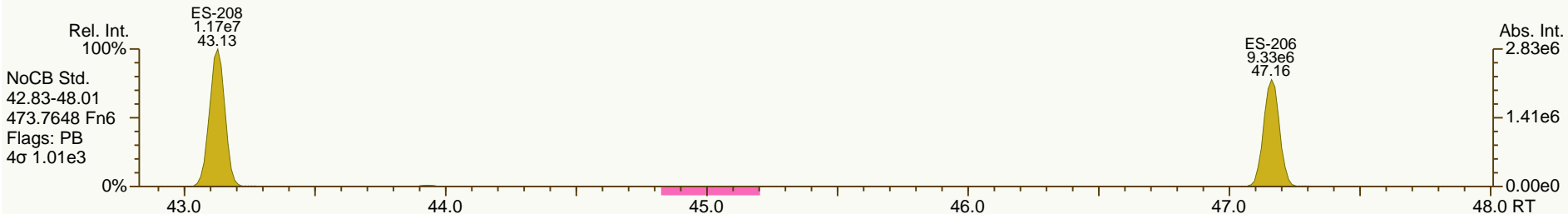
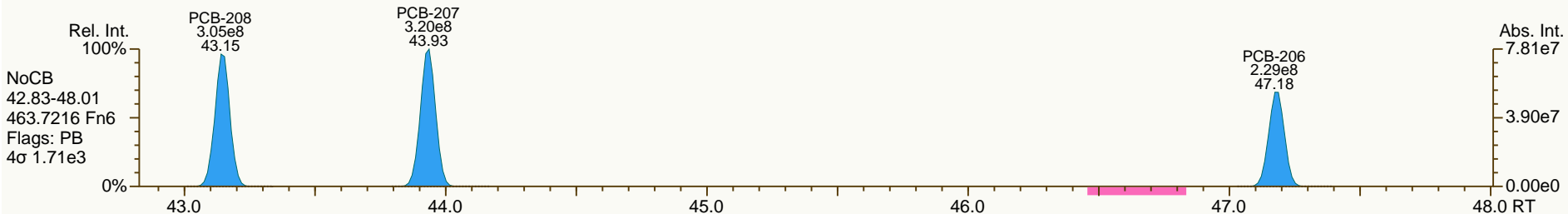
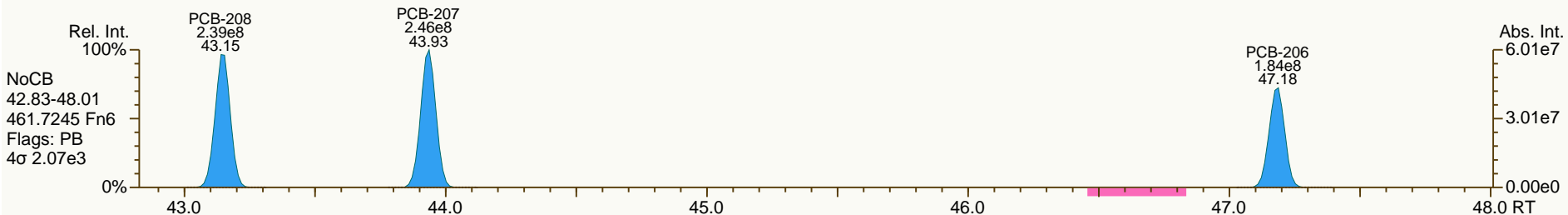
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AP Lab ID: CS5_120126_PCB_SA
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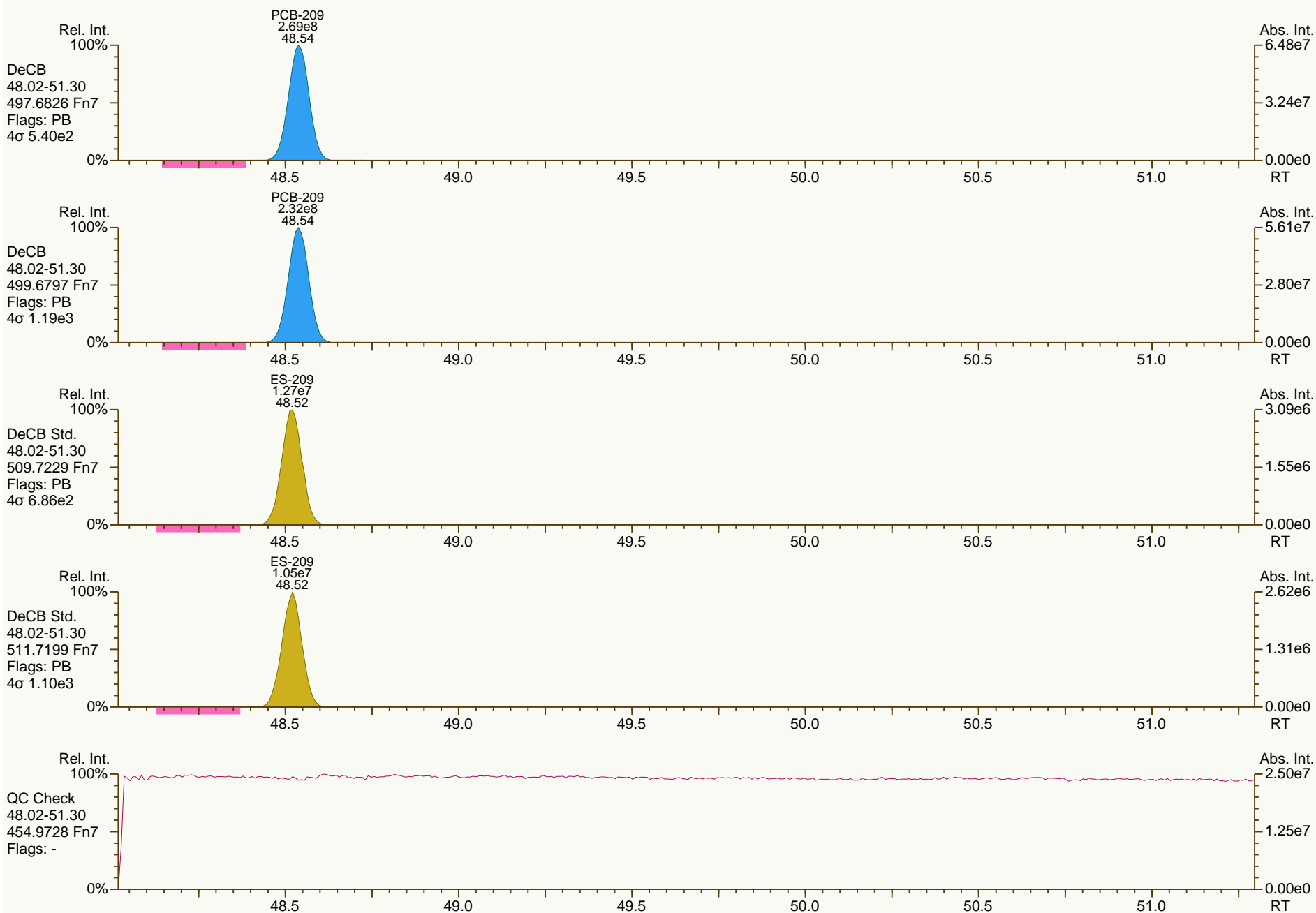
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AP Lab ID: CS5_120126_PCB_SA
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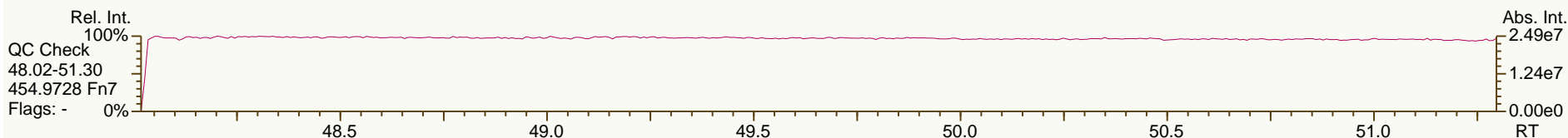
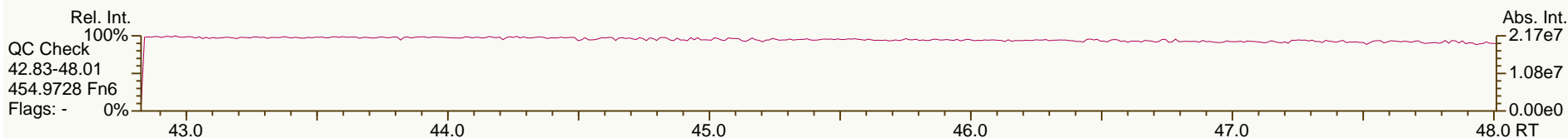
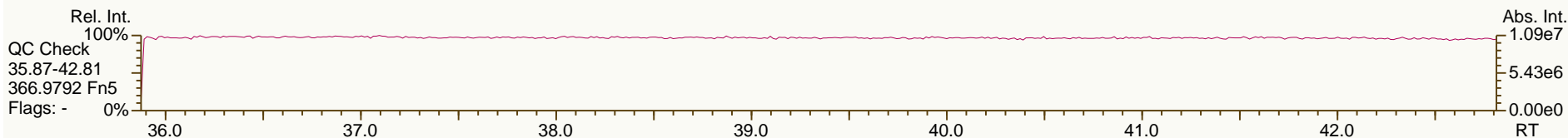
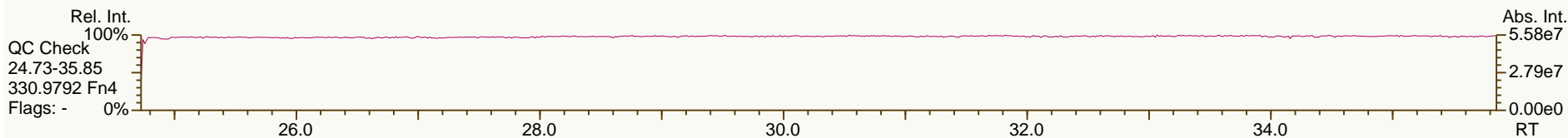
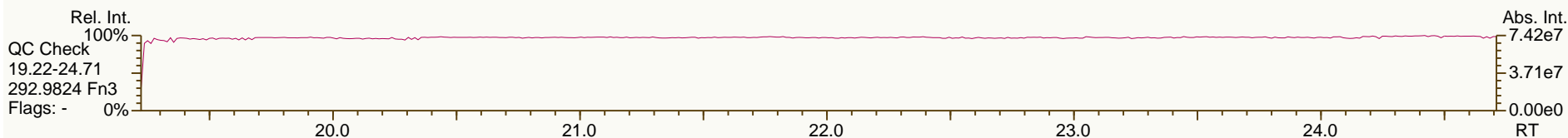
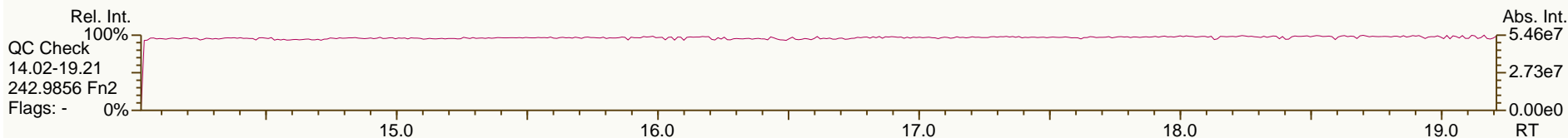
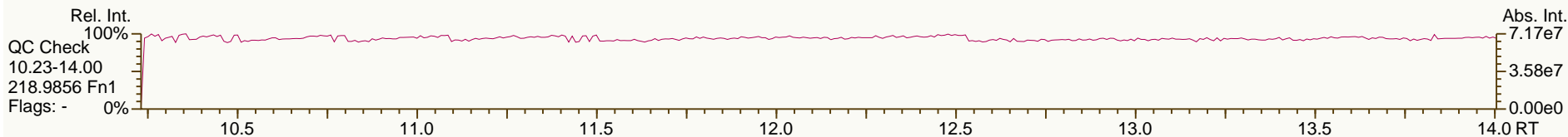
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

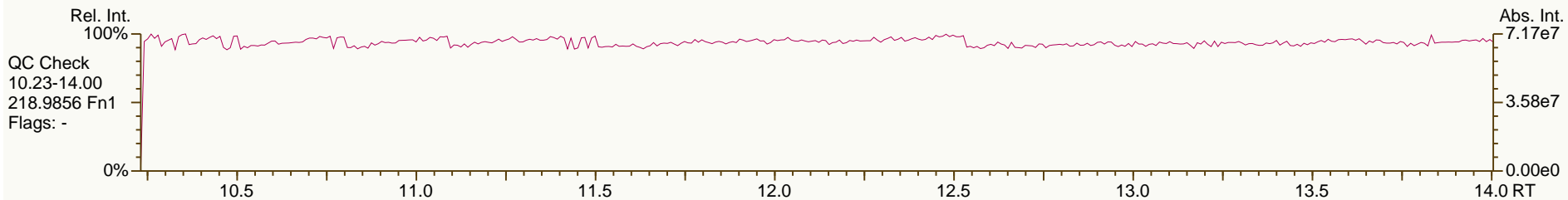
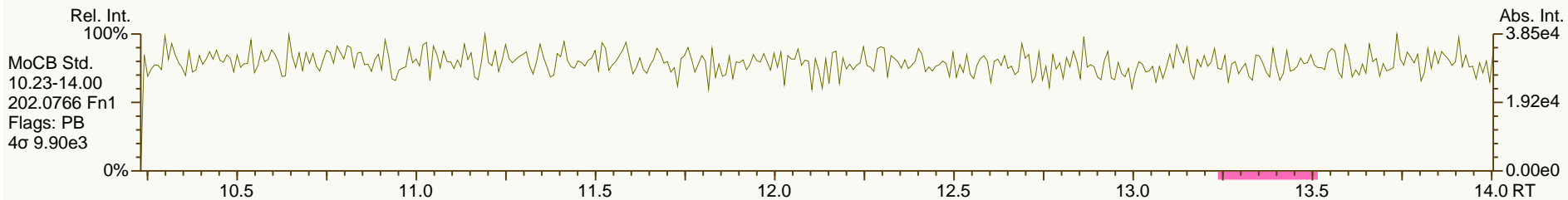
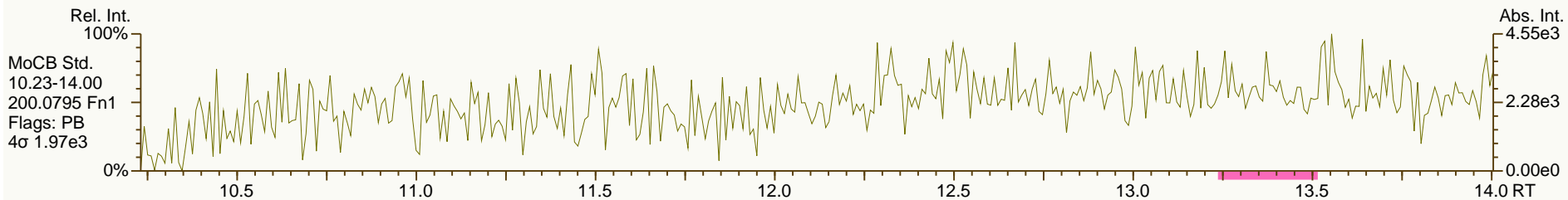
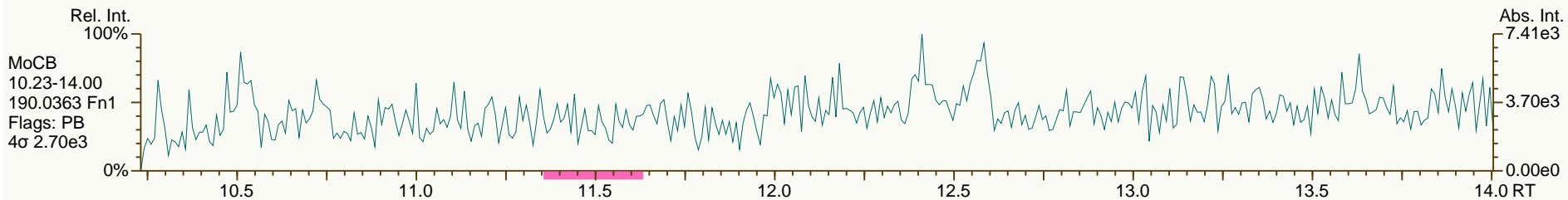
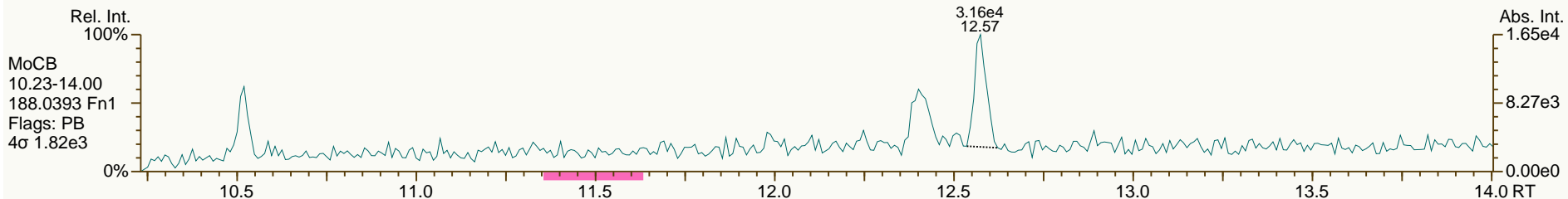
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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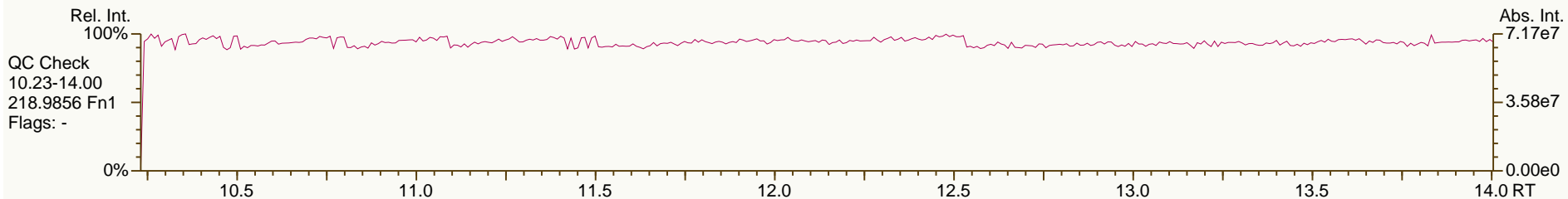
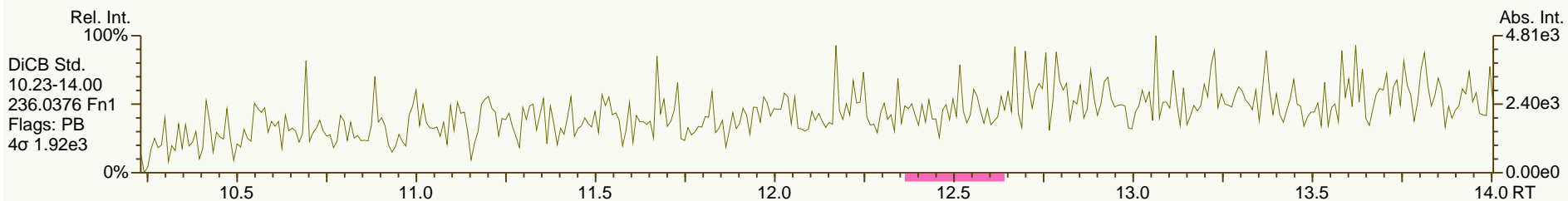
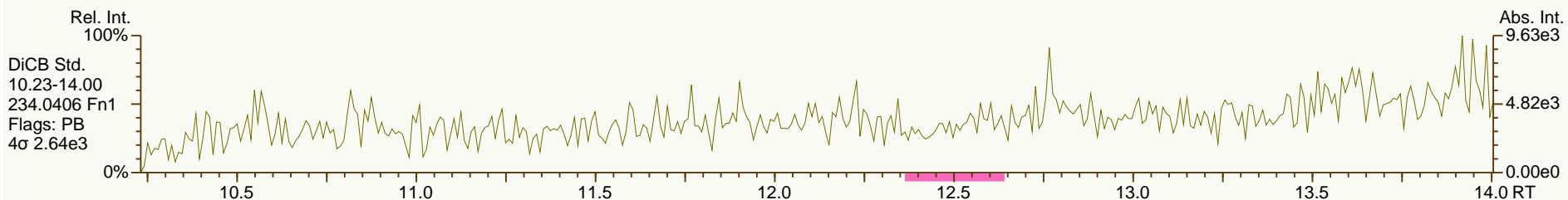
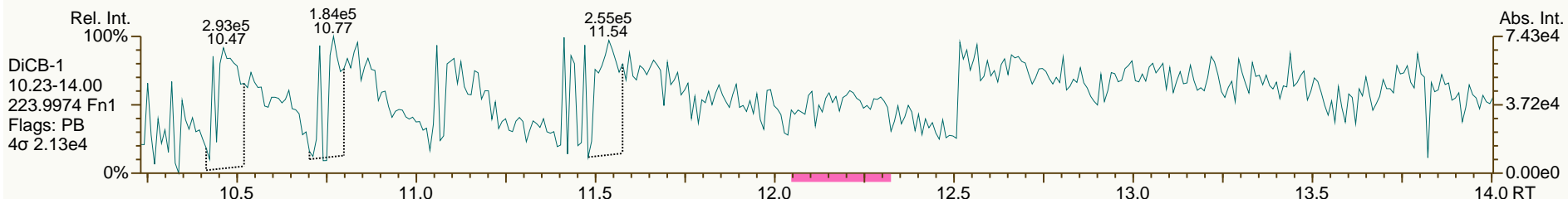
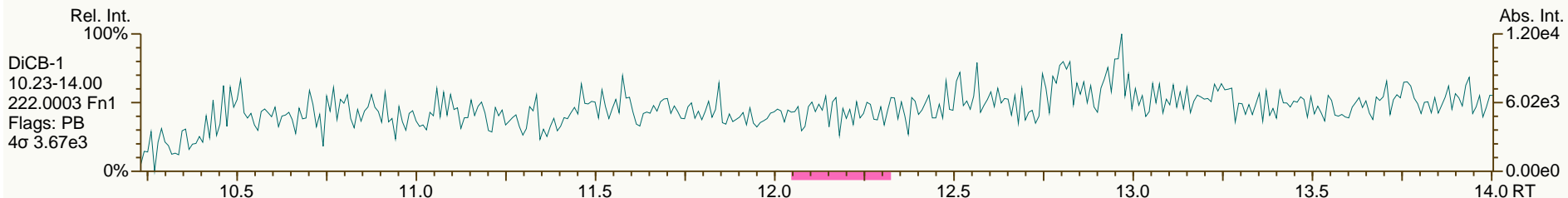
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AP Lab ID: SBS_120126_PCB_SB
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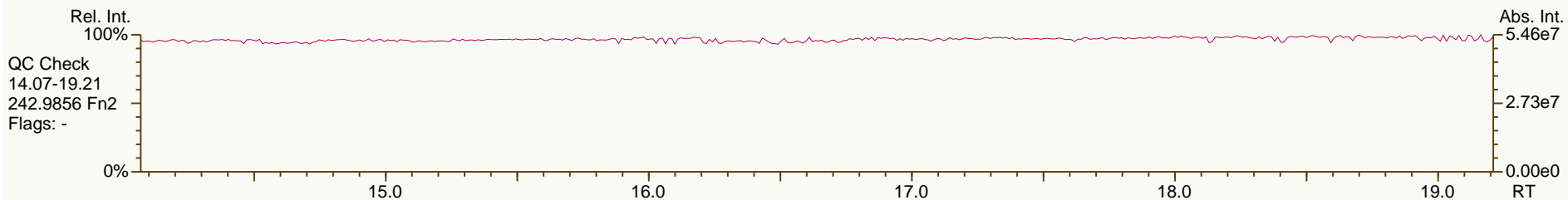
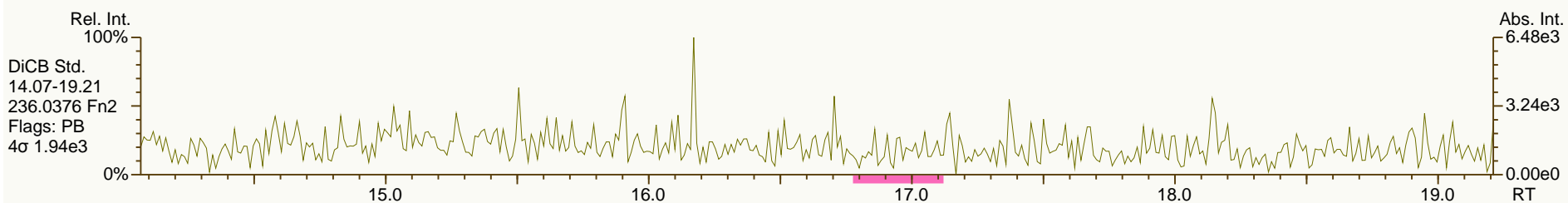
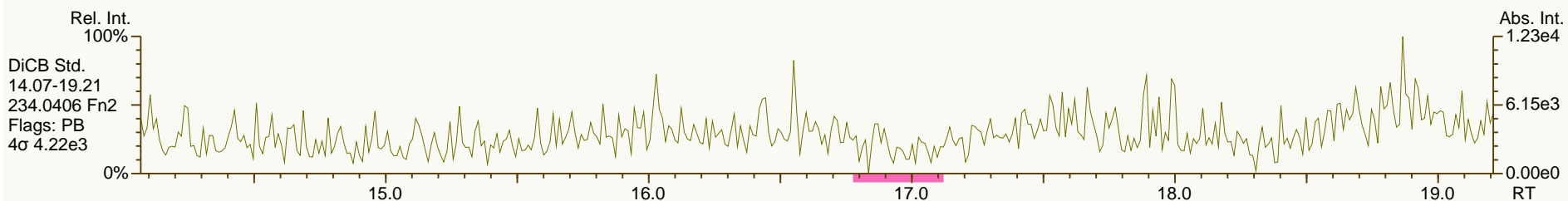
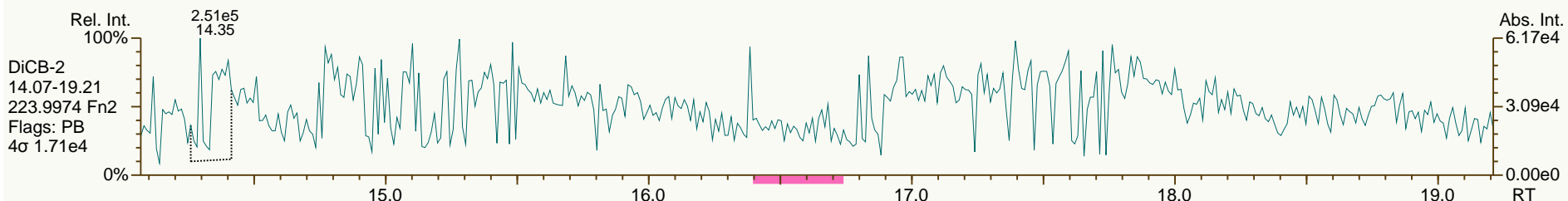
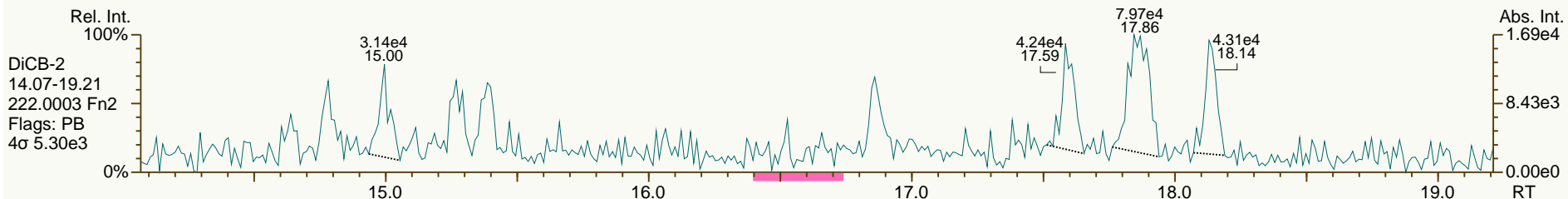
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AP Lab ID: SBS_120126_PCB_SB
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 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

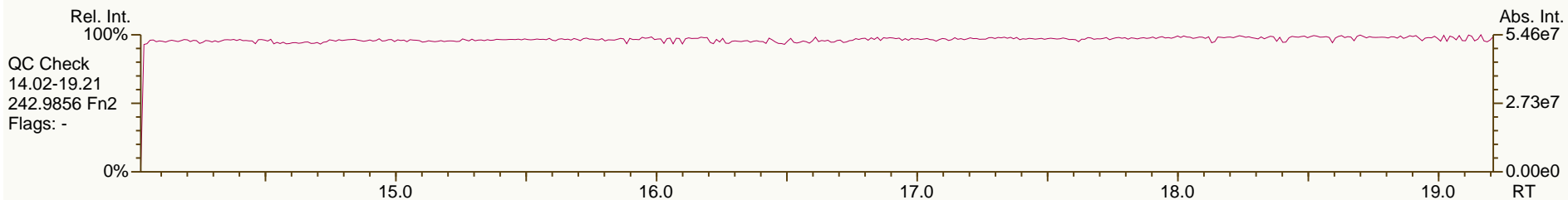
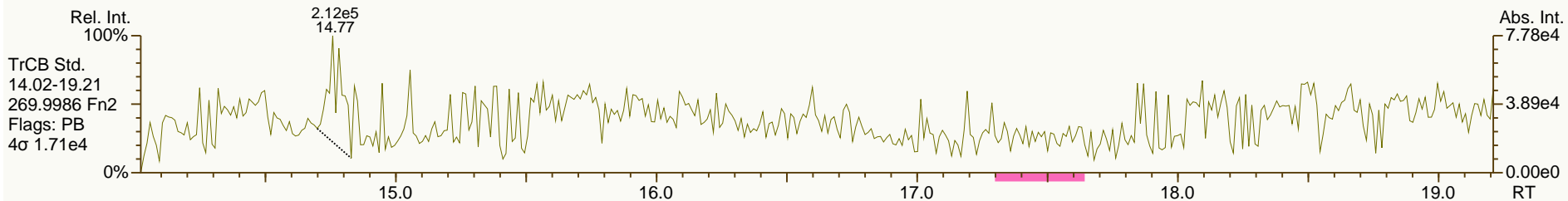
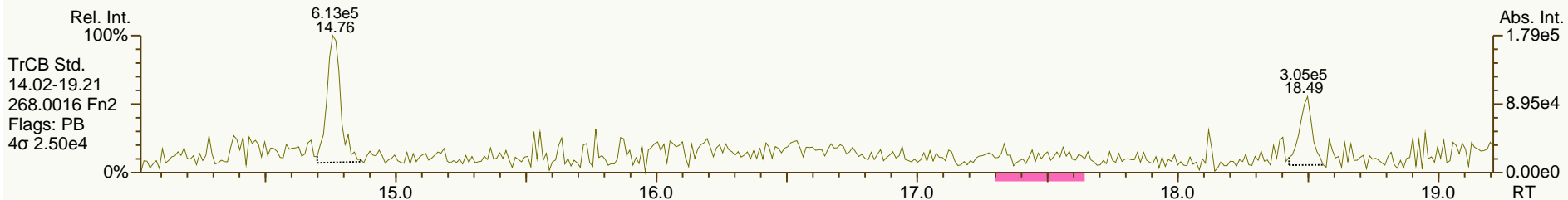
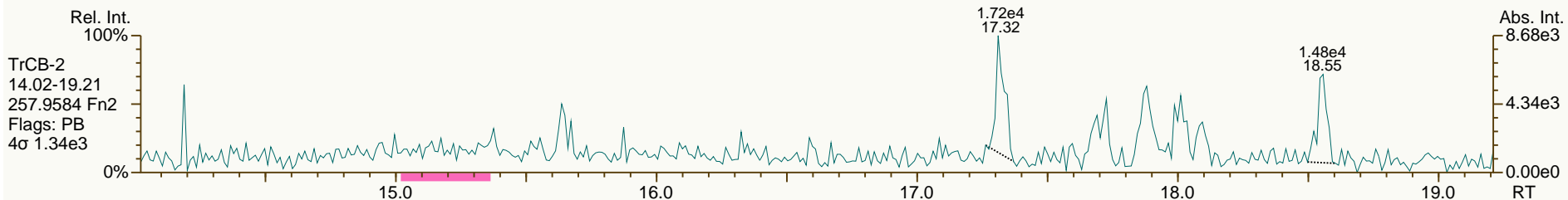
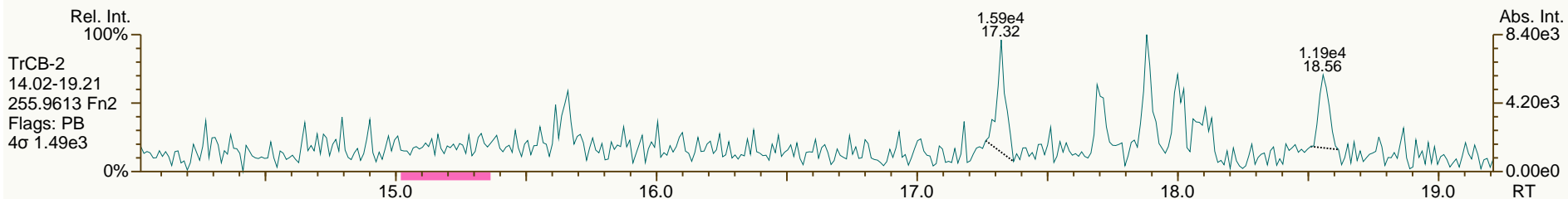
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

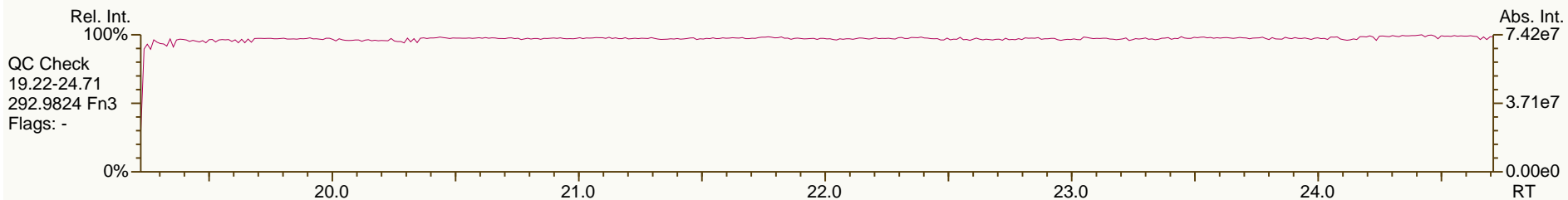
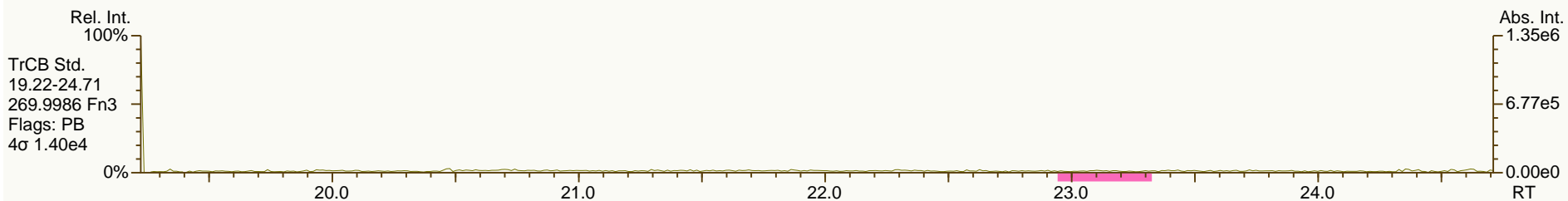
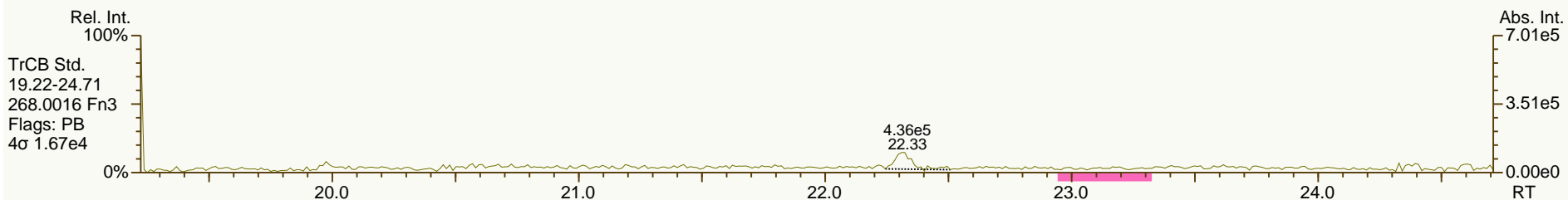
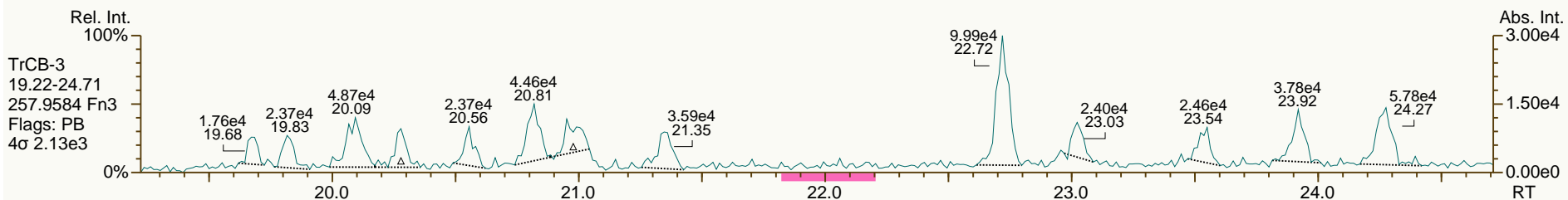
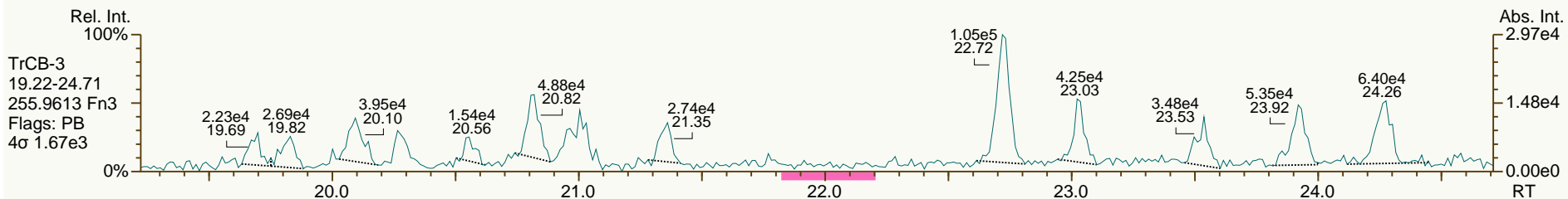
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AP Lab ID: SBS_120126_PCB_SB
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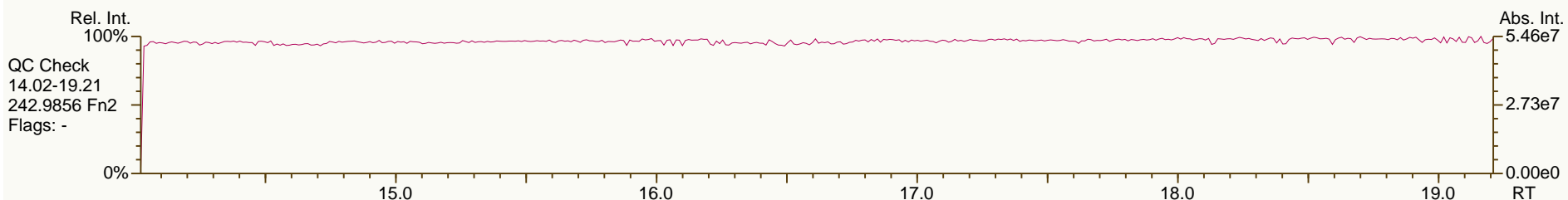
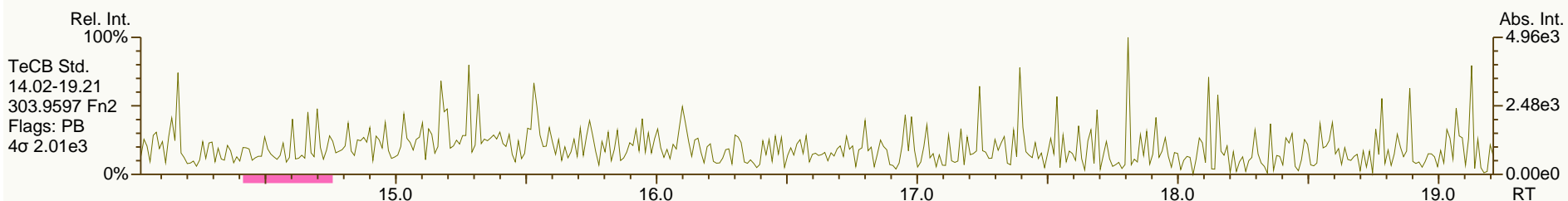
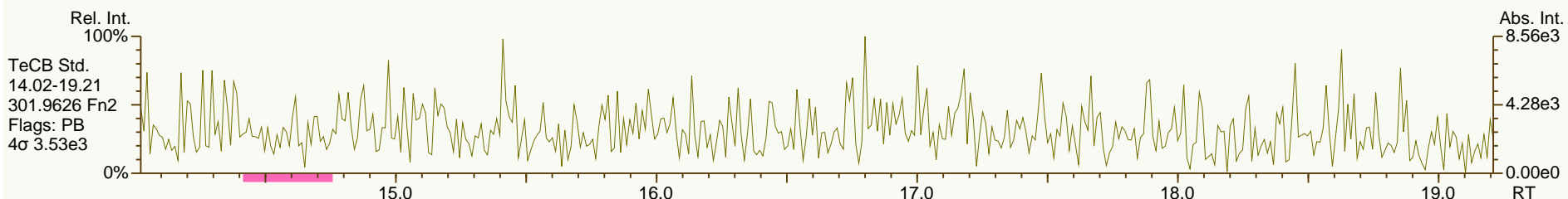
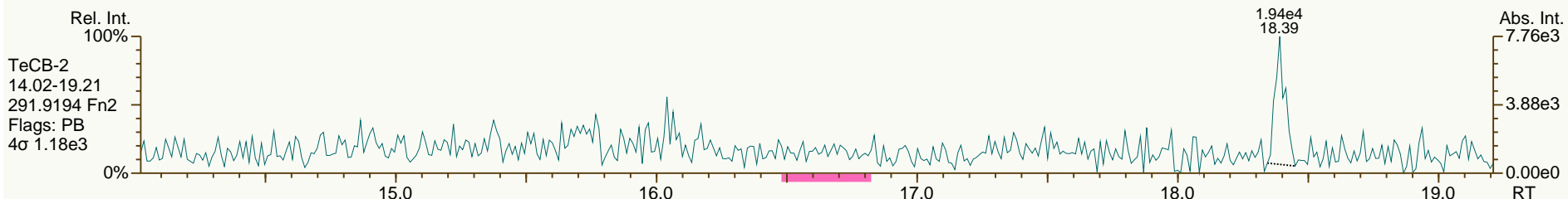
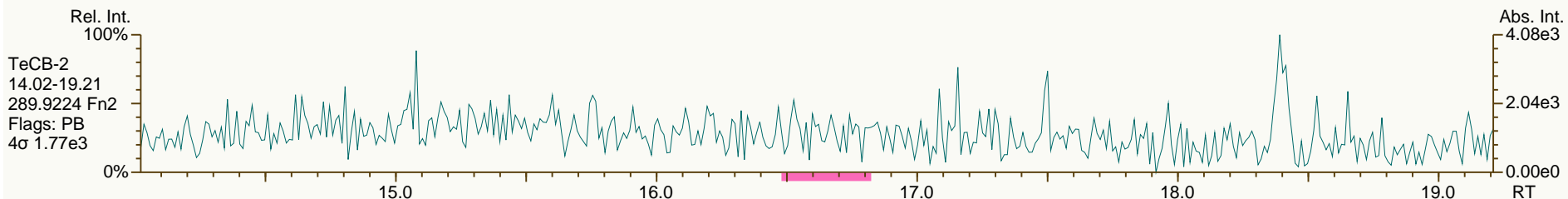
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AP Lab ID: SBS_120126_PCB_SB
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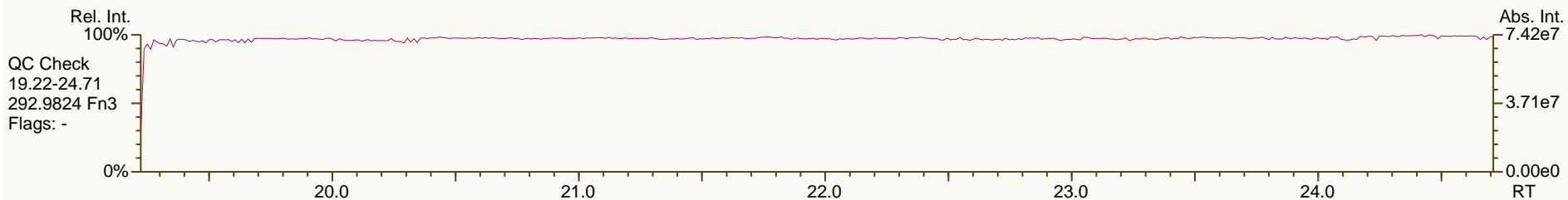
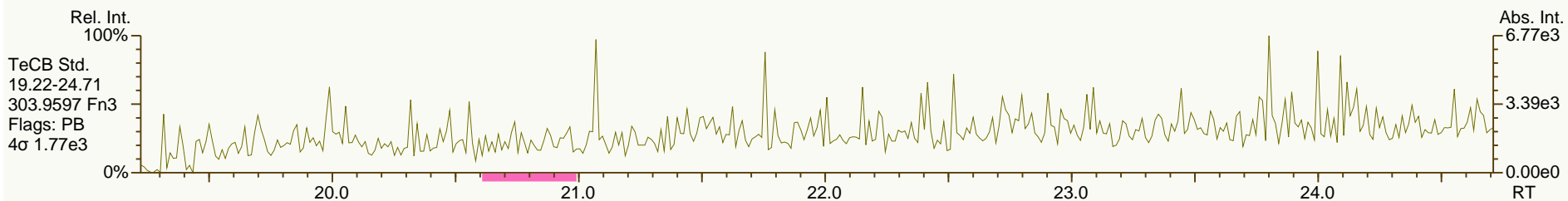
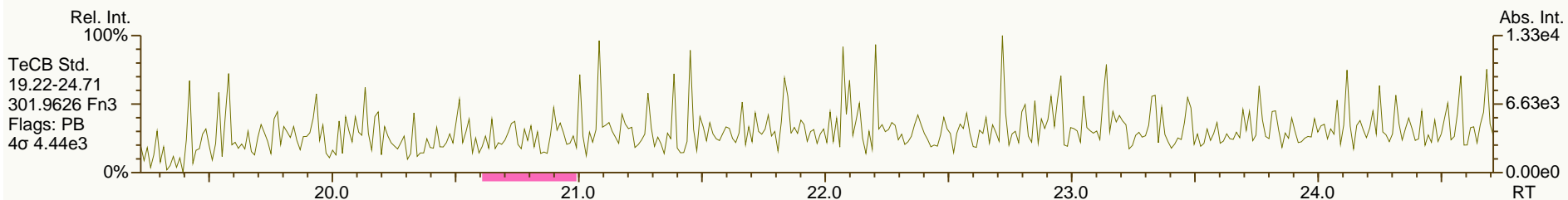
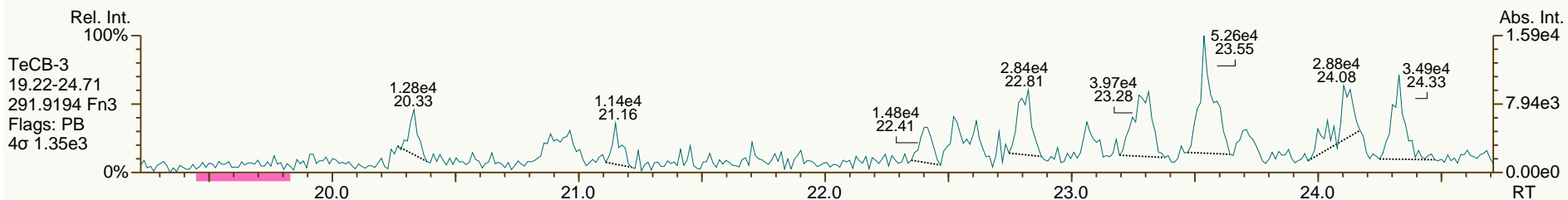
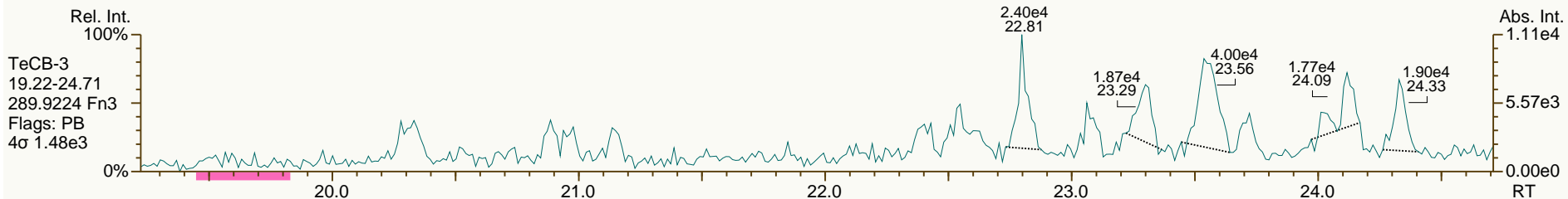
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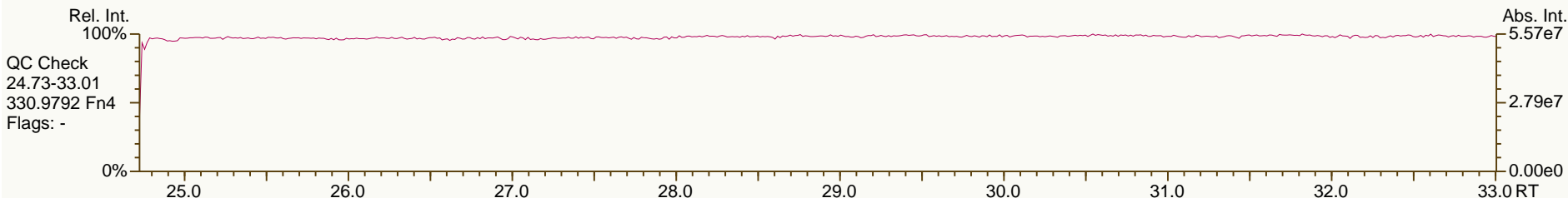
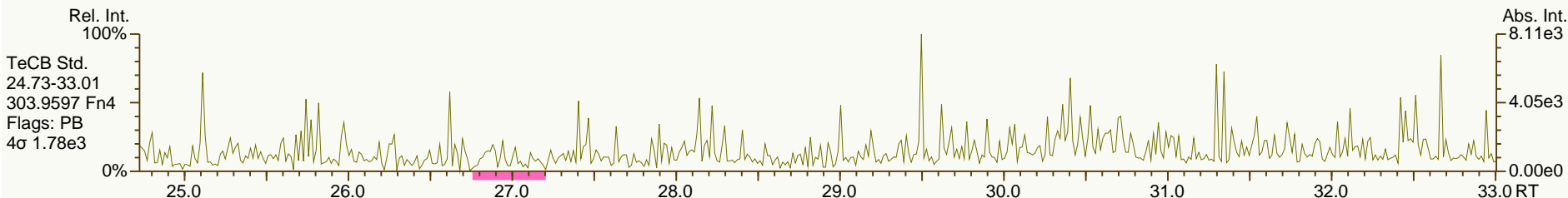
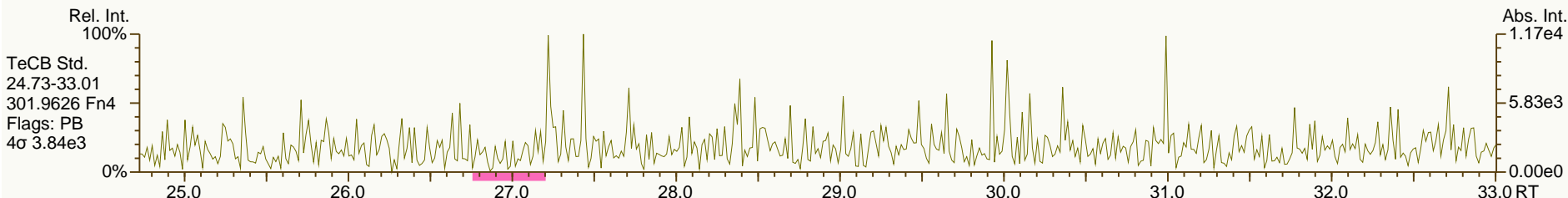
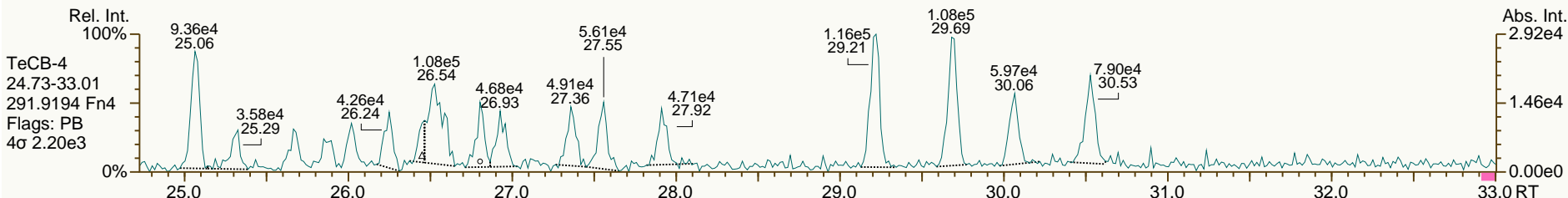
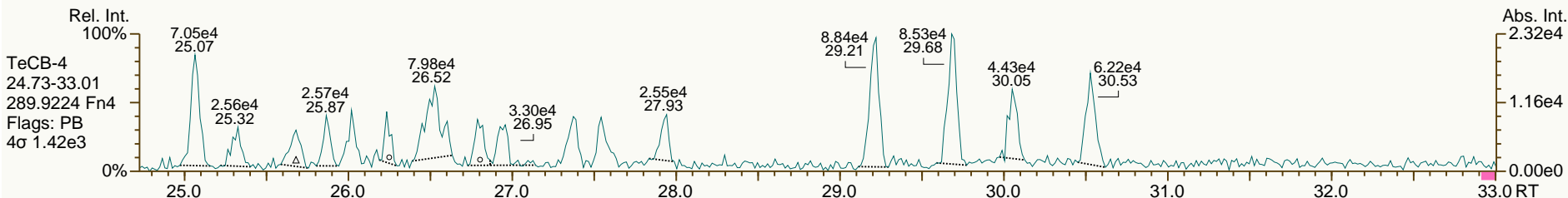
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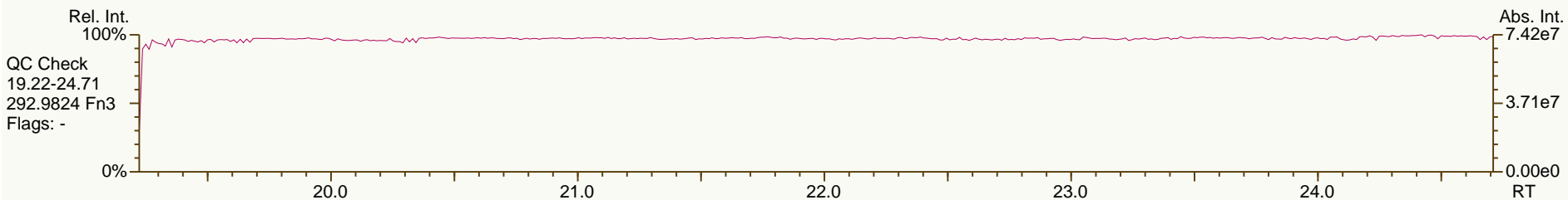
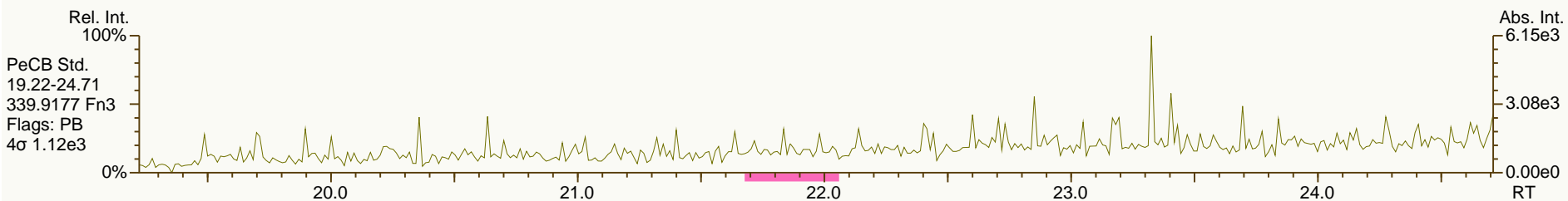
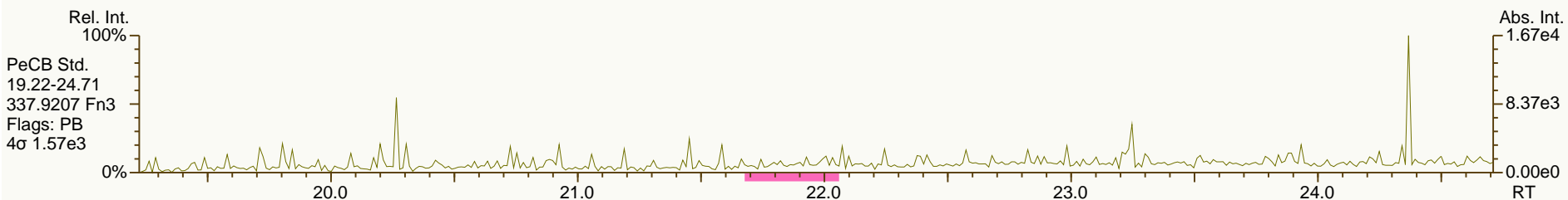
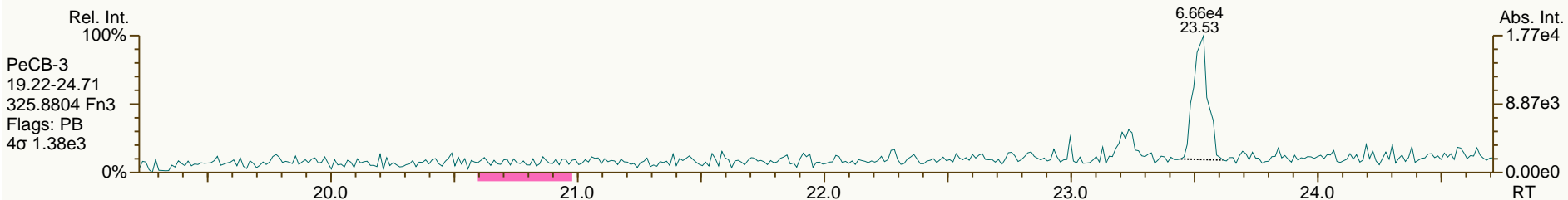
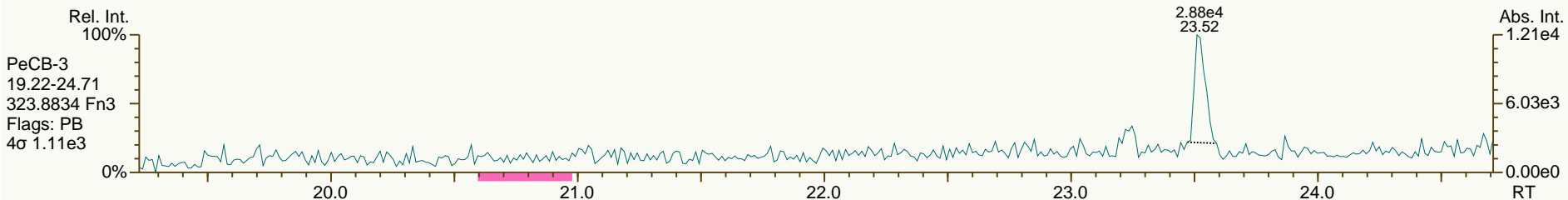
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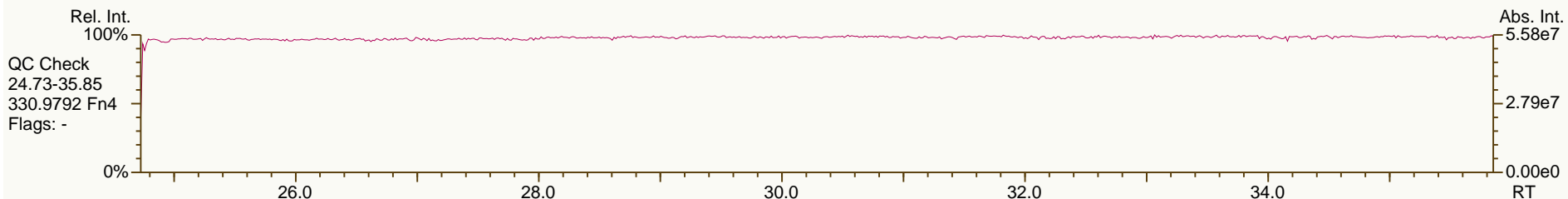
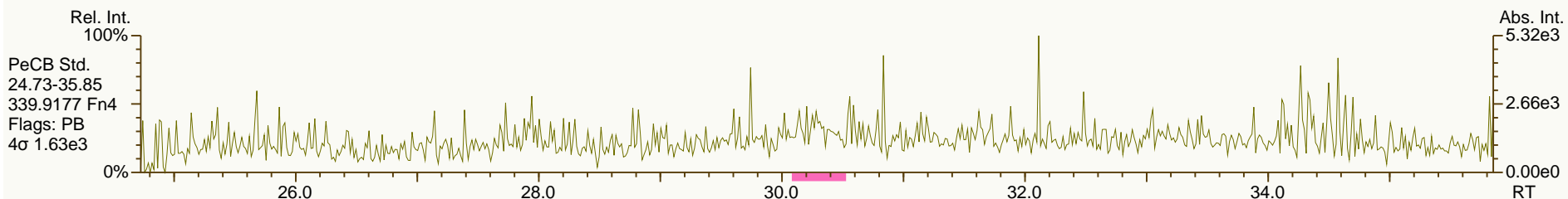
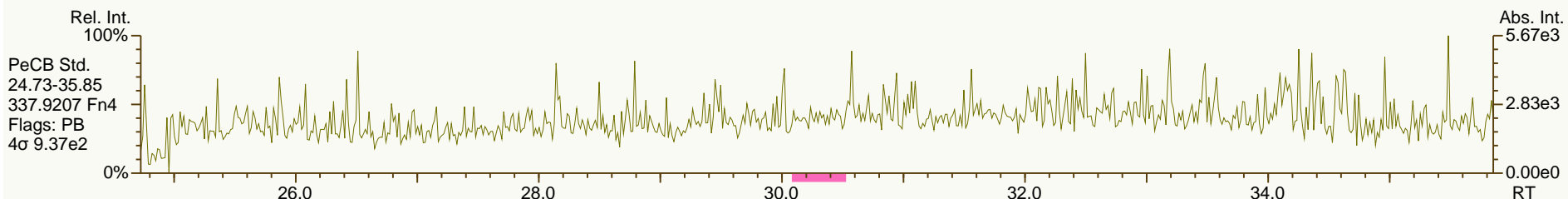
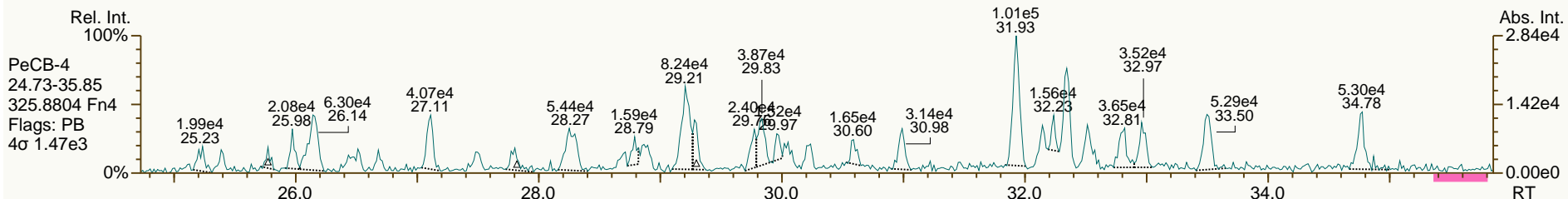
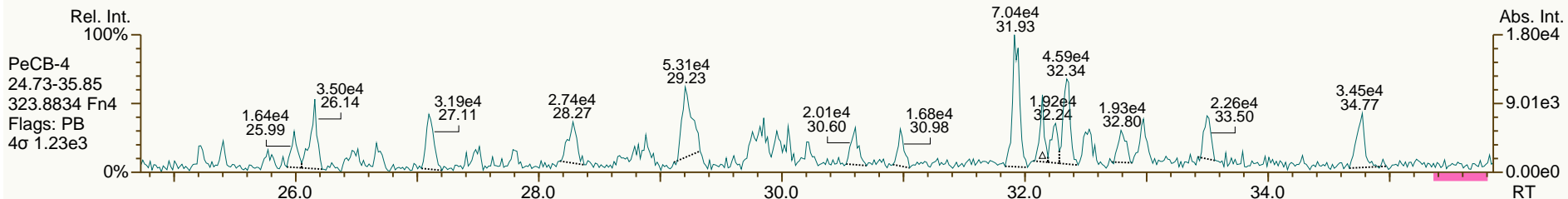
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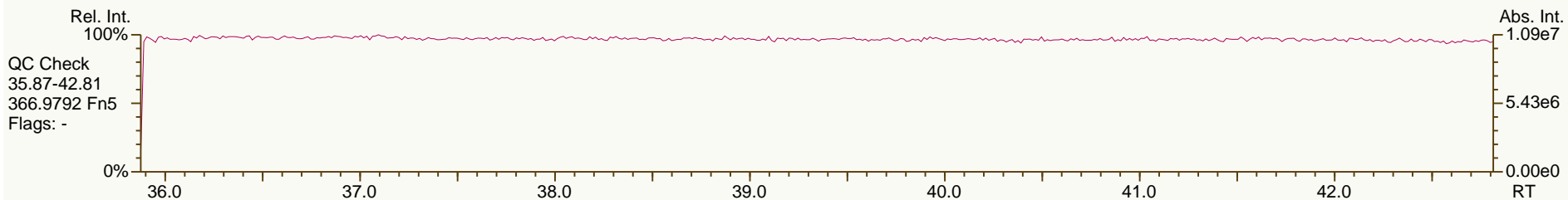
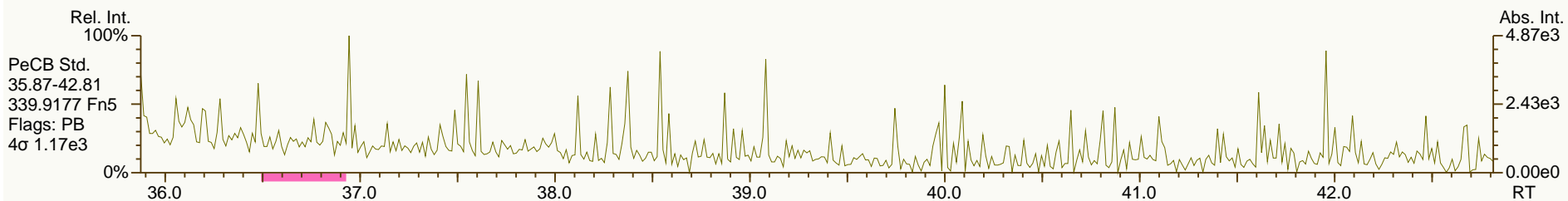
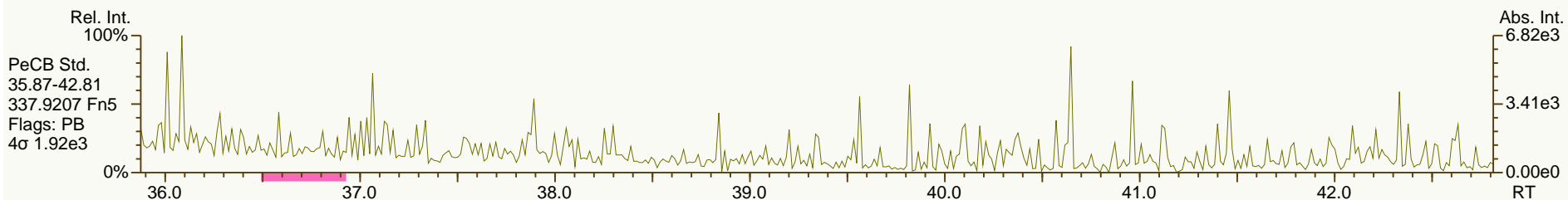
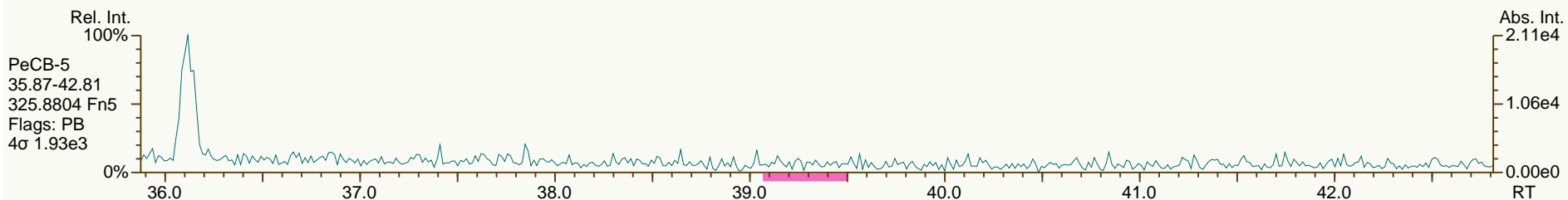
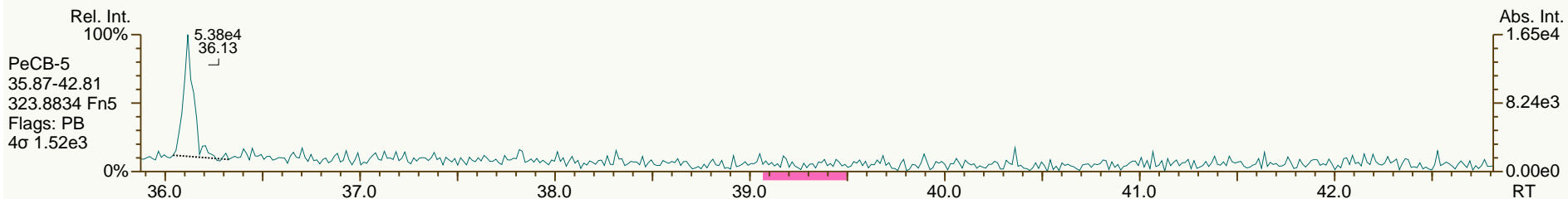
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Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

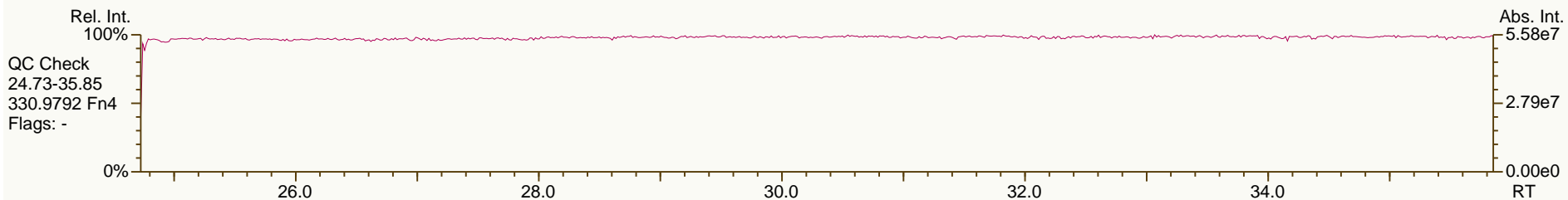
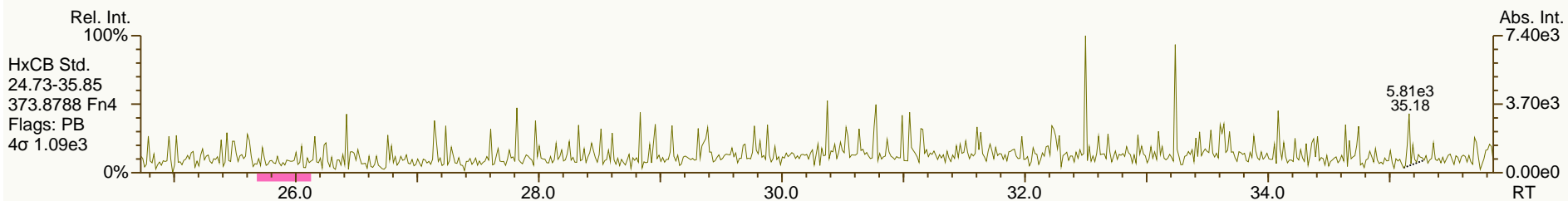
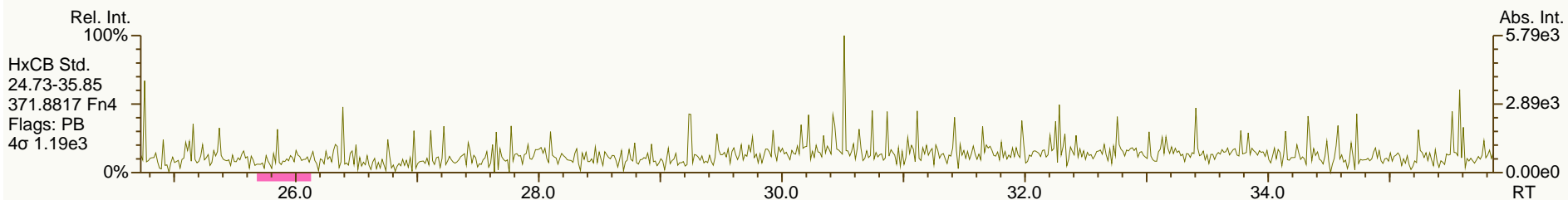
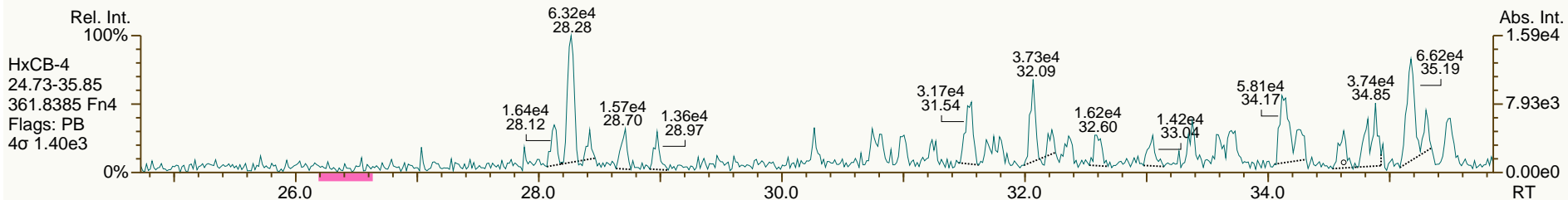
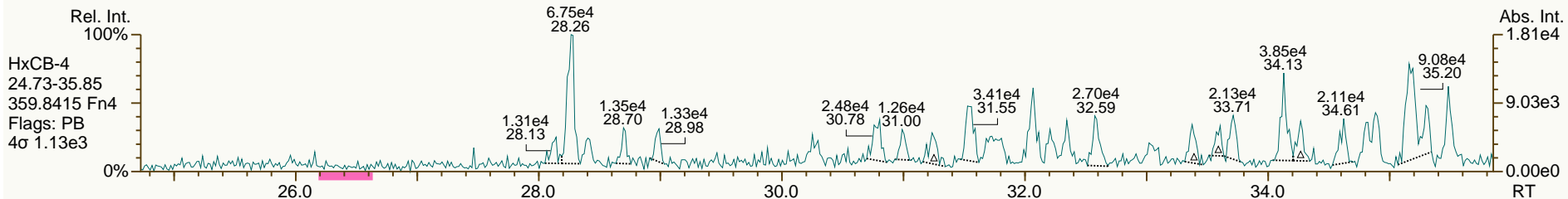
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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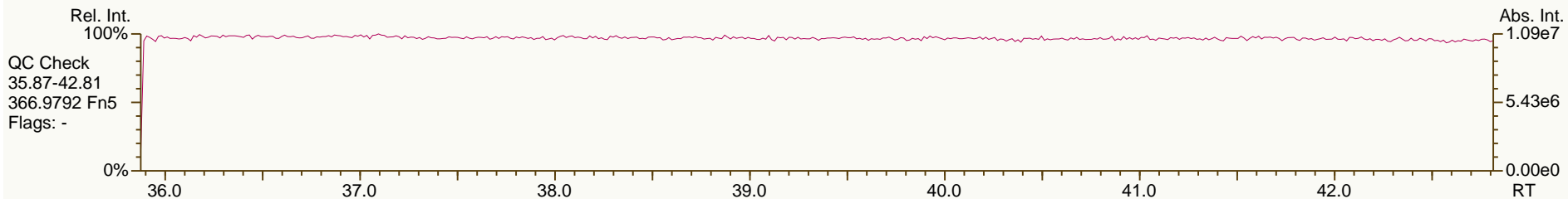
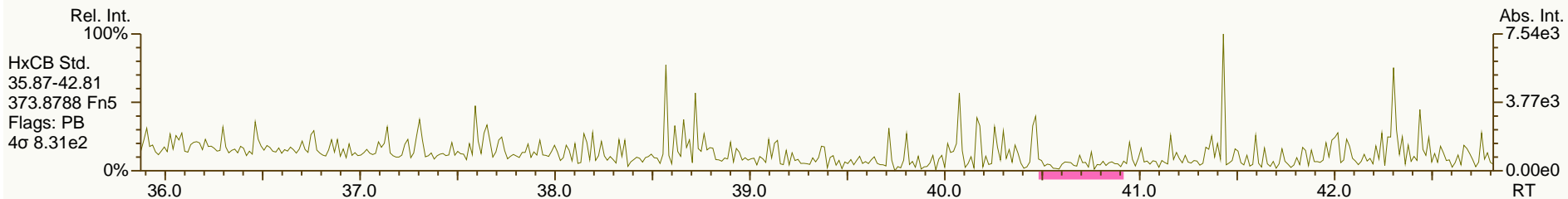
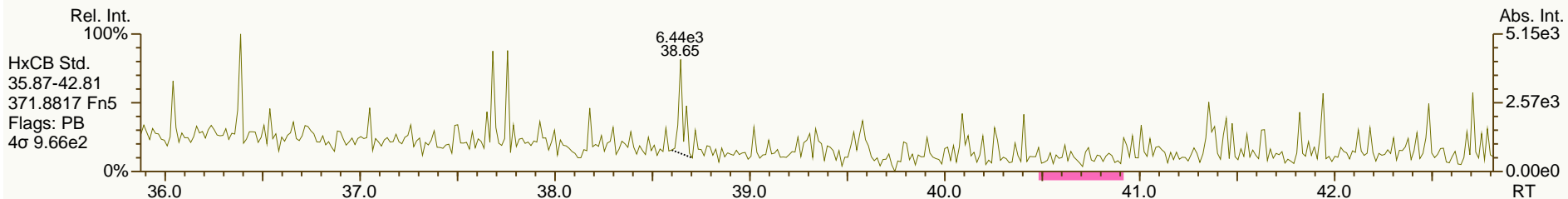
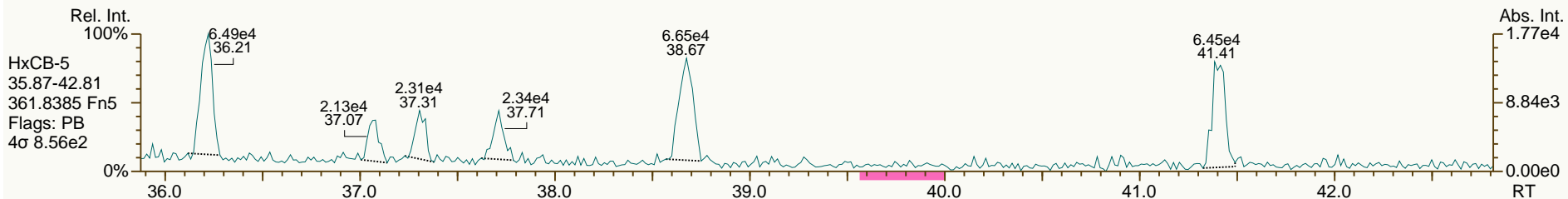
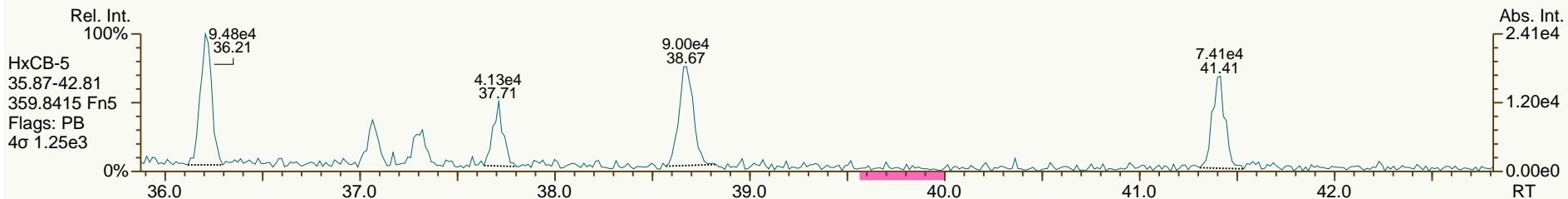
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AP Lab ID: SBS_120126_PCB_SB
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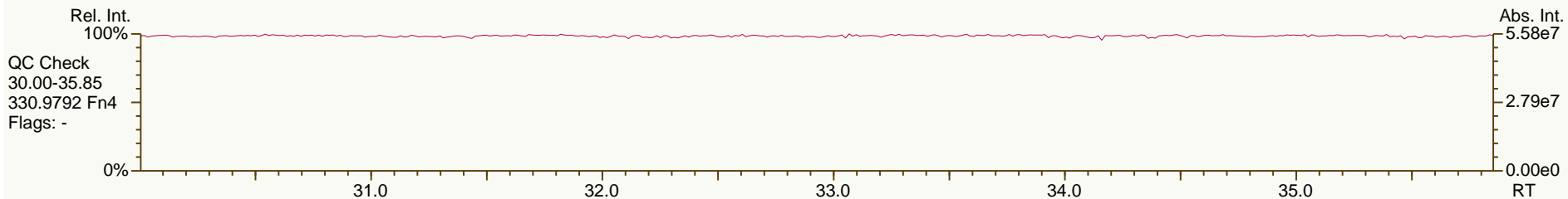
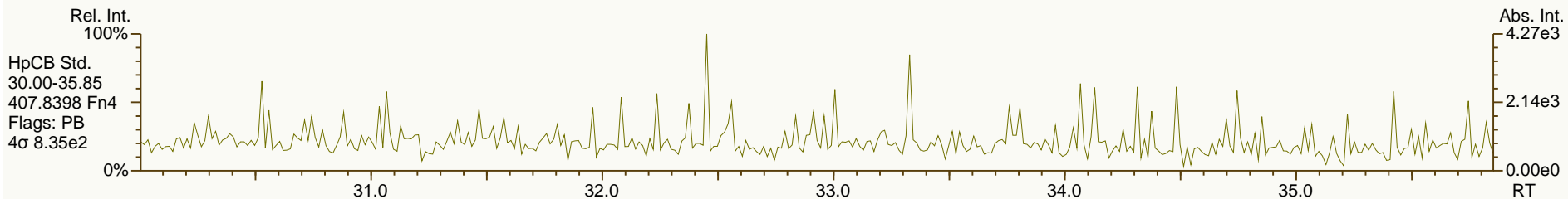
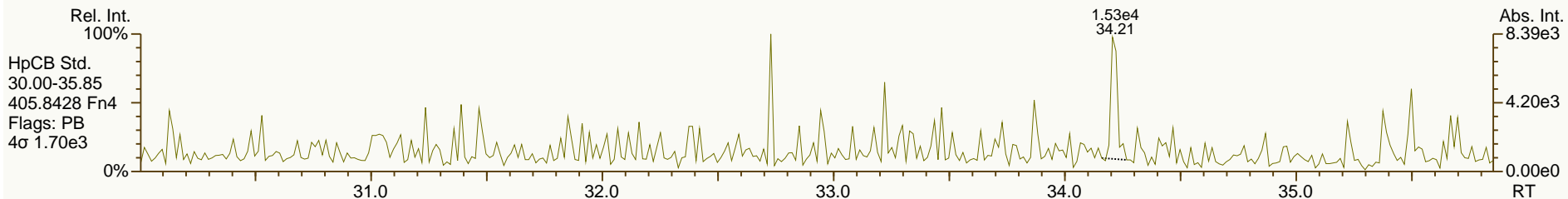
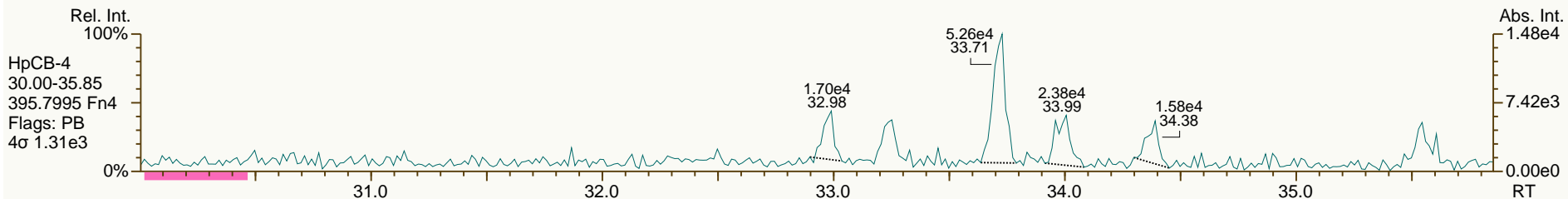
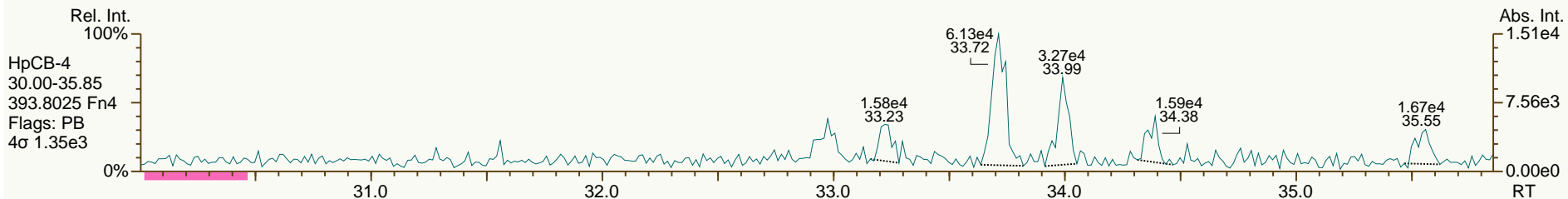
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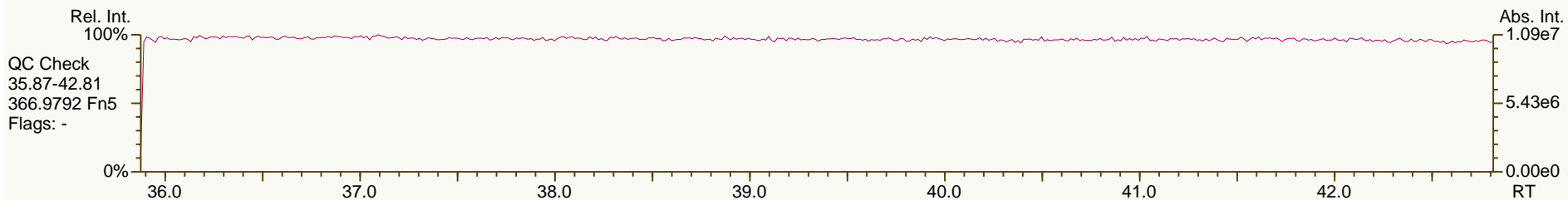
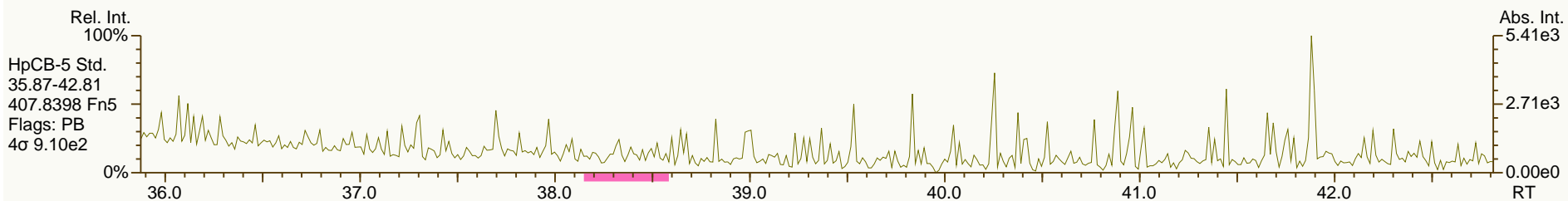
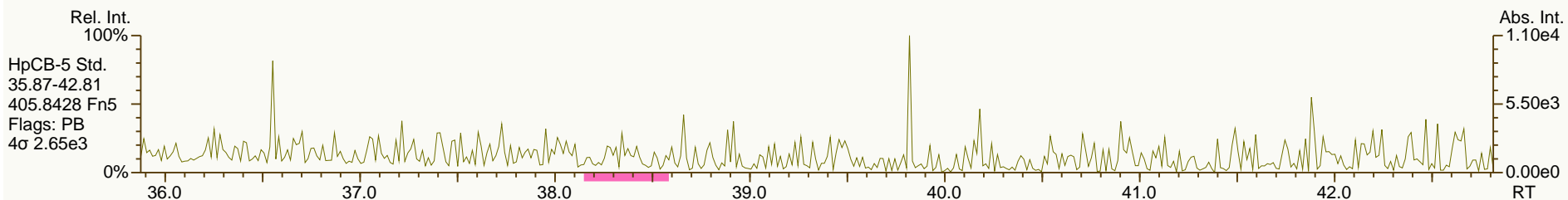
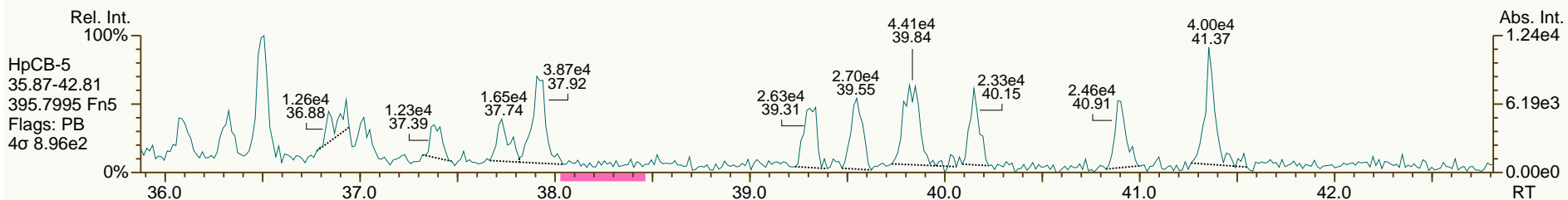
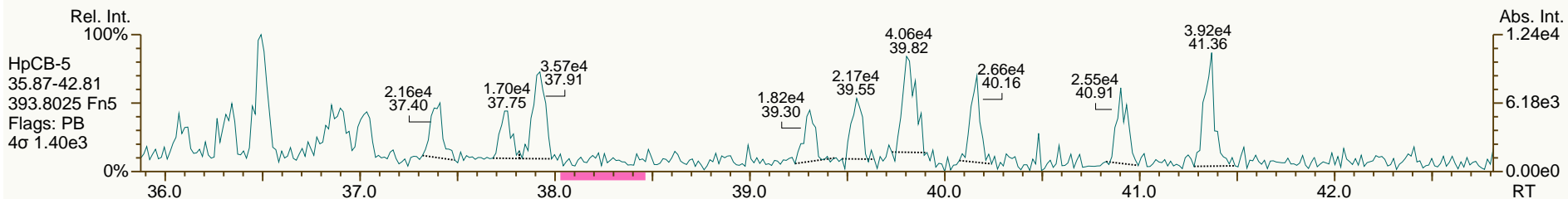
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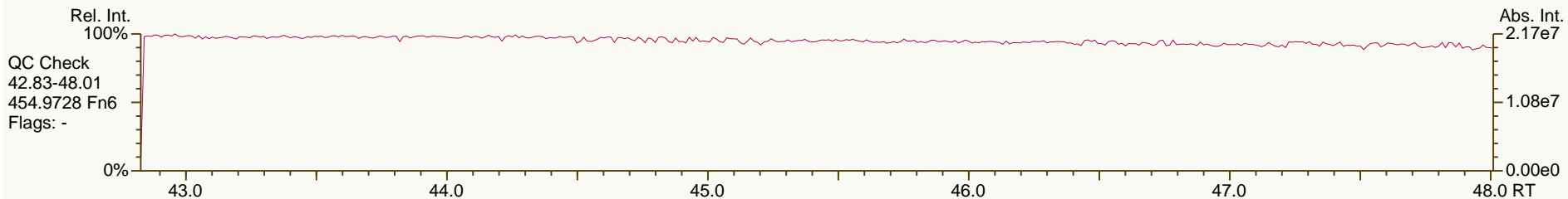
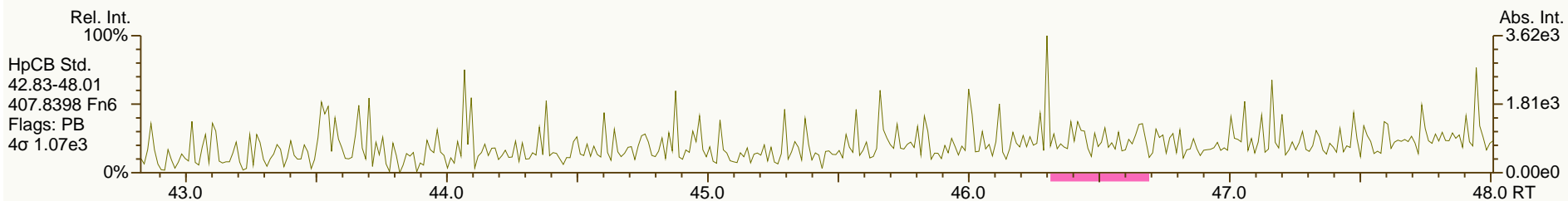
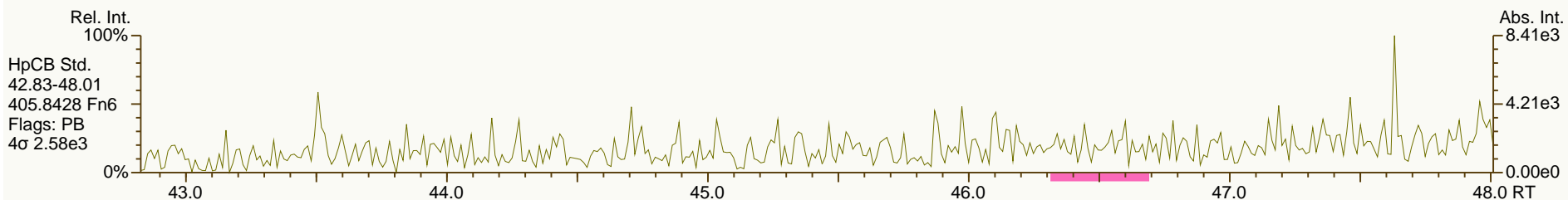
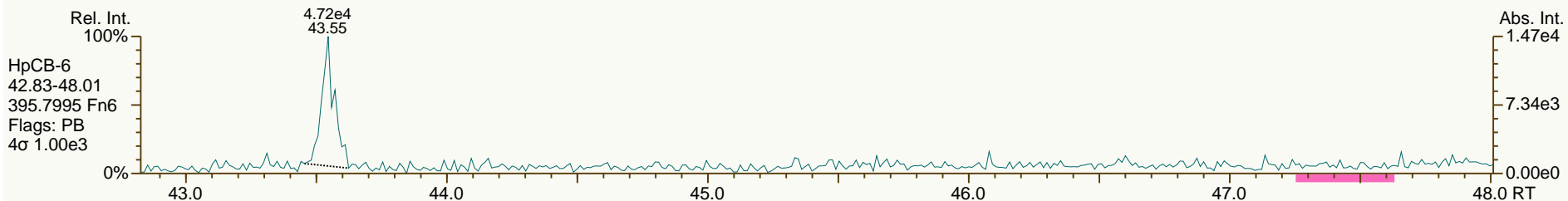
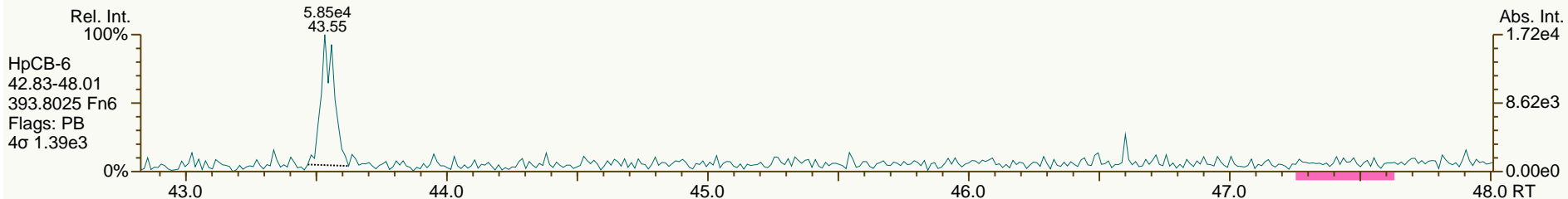
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AP Lab ID: SBS_120126_PCB_SB
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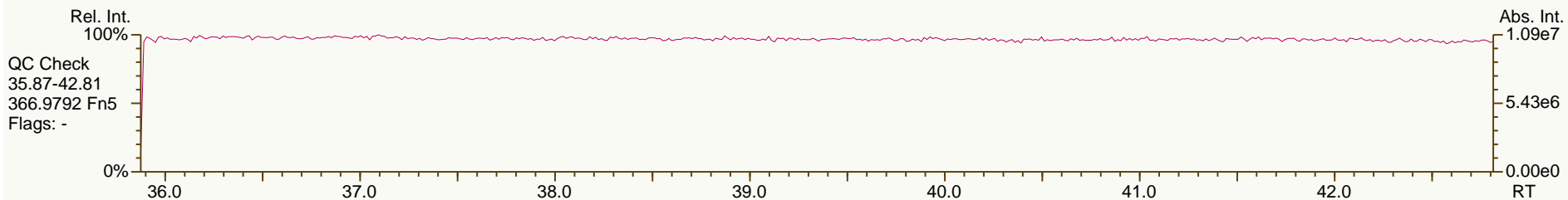
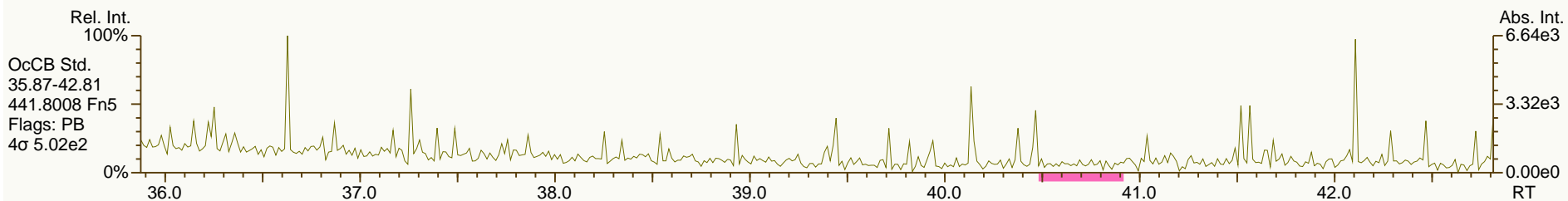
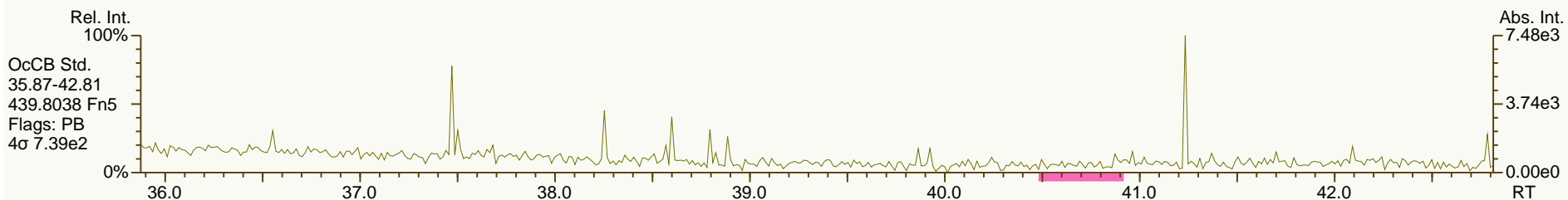
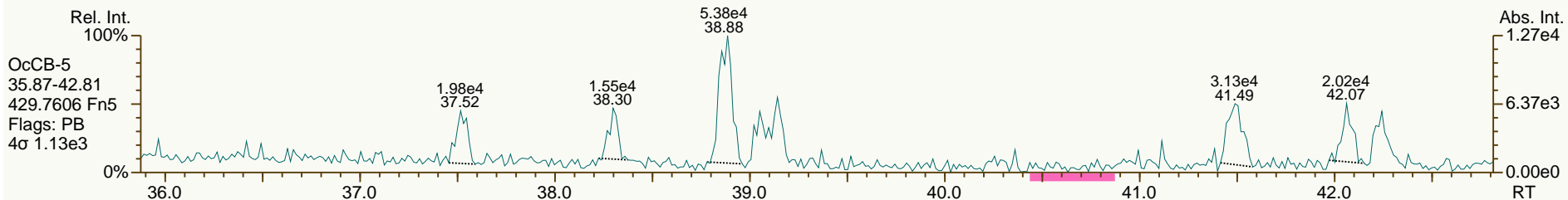
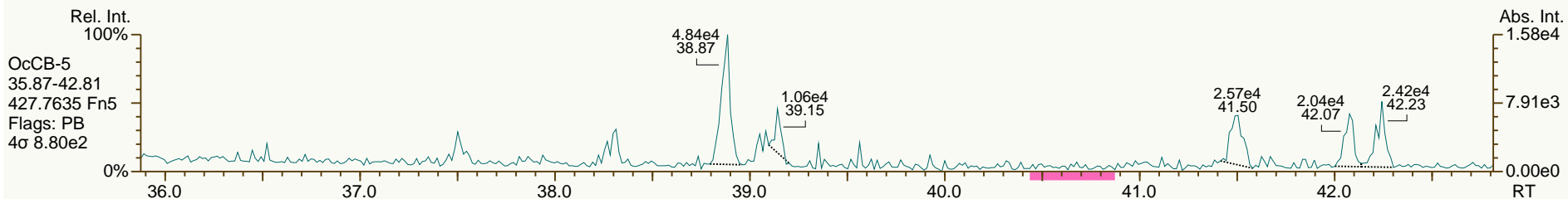
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AP Lab ID: SBS_120126_PCB_SB
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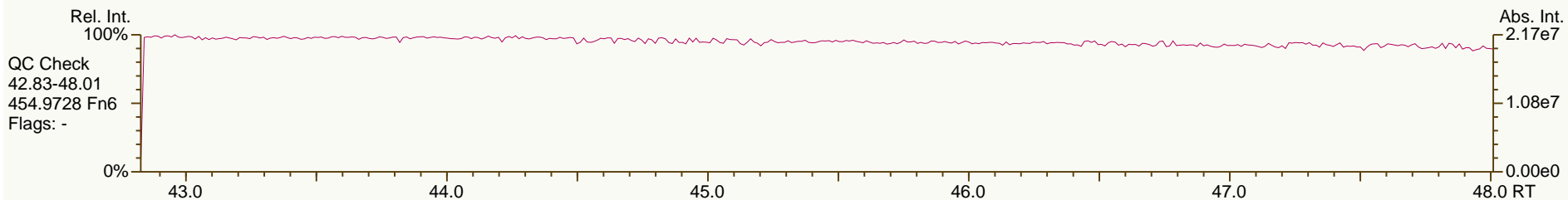
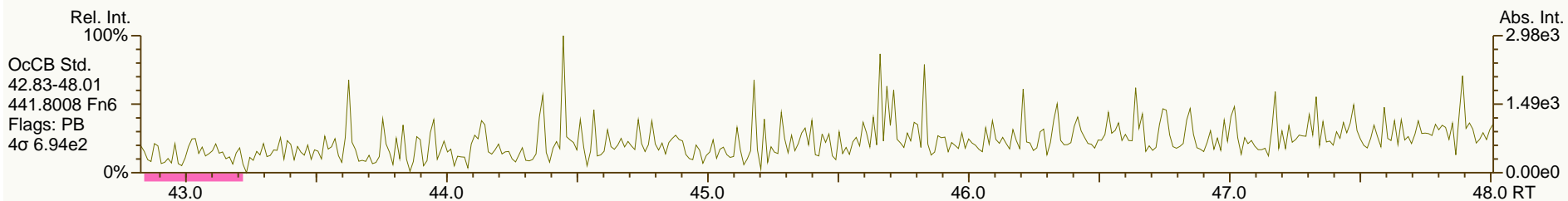
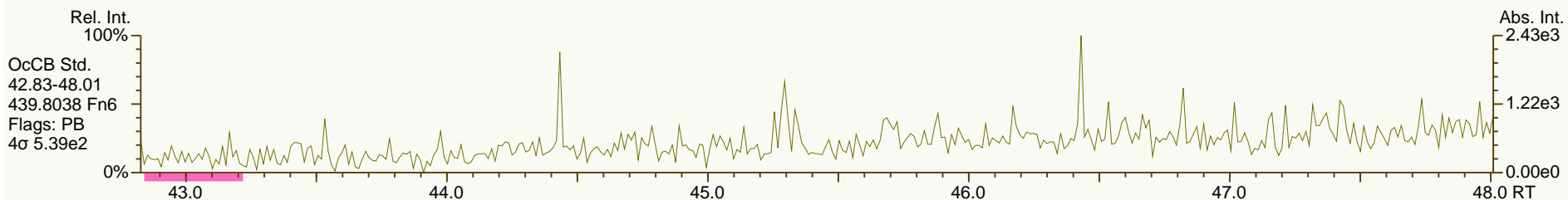
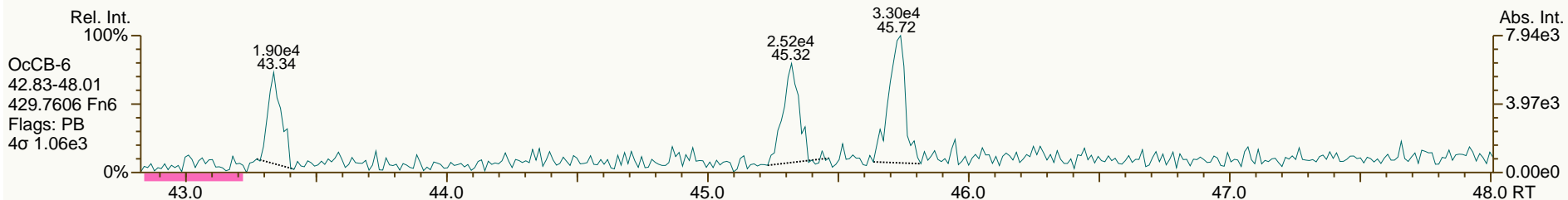
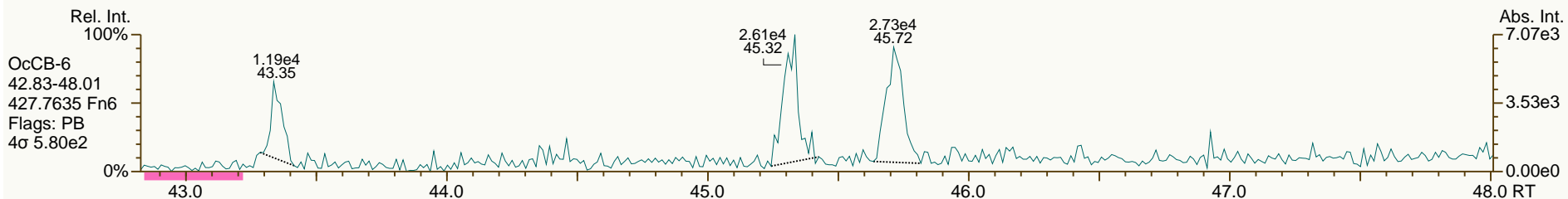
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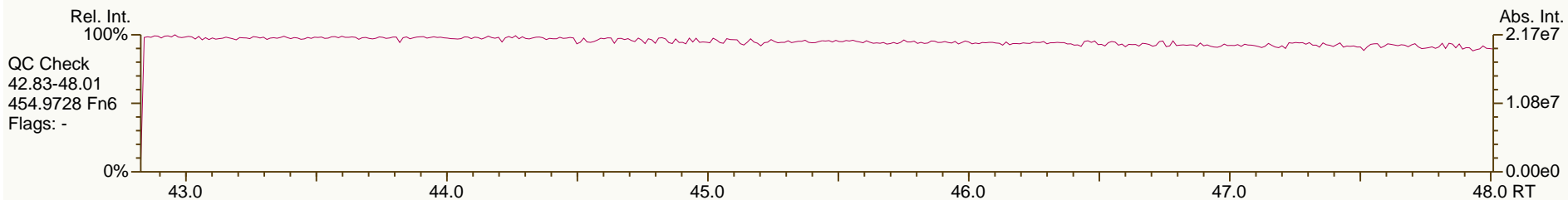
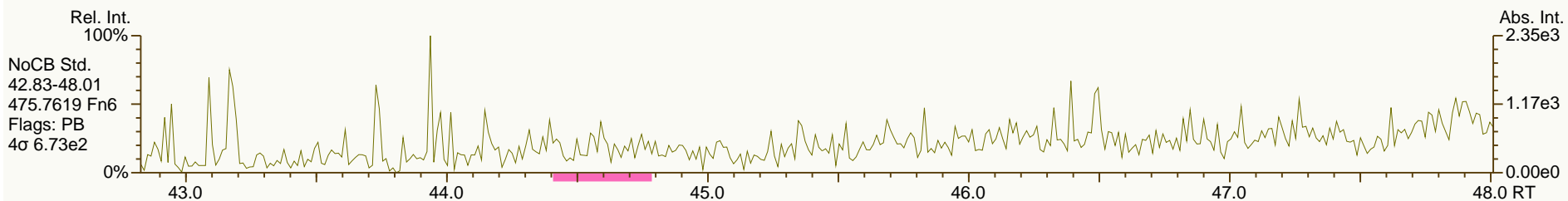
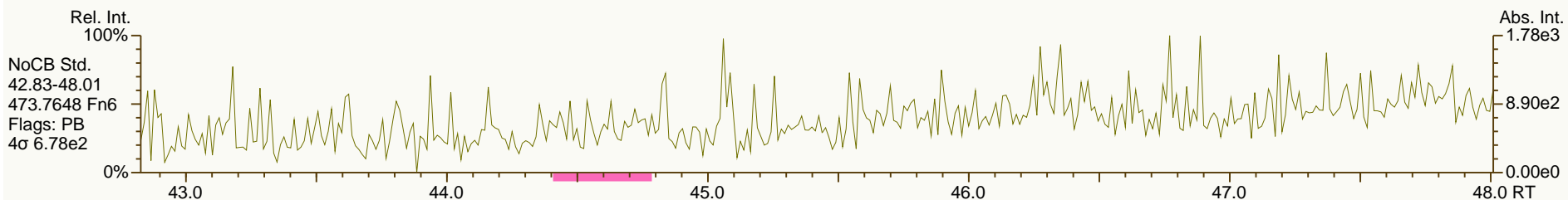
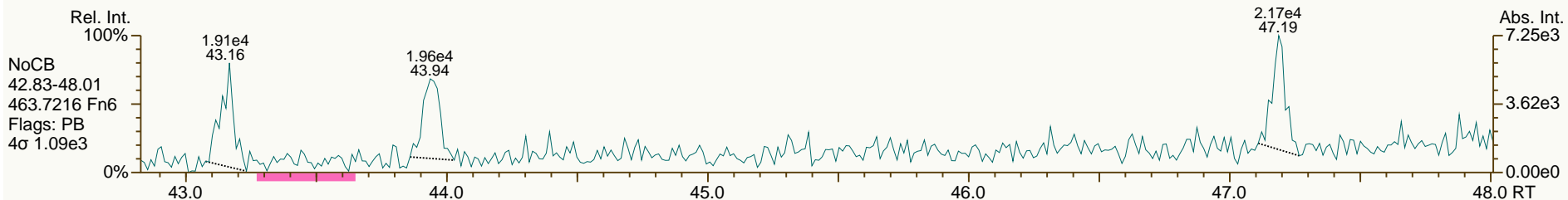
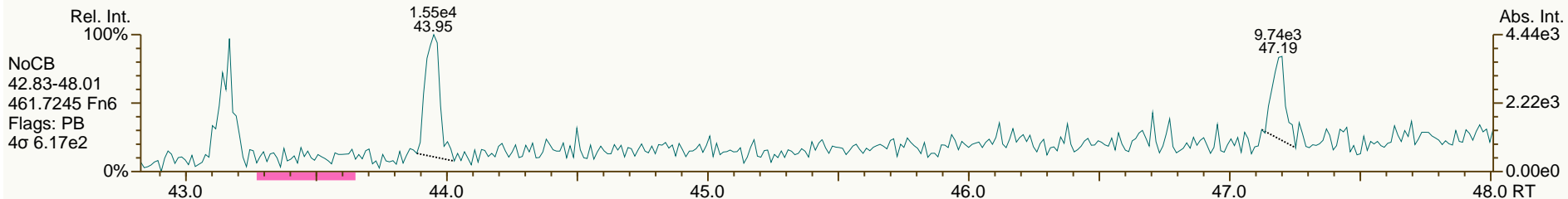
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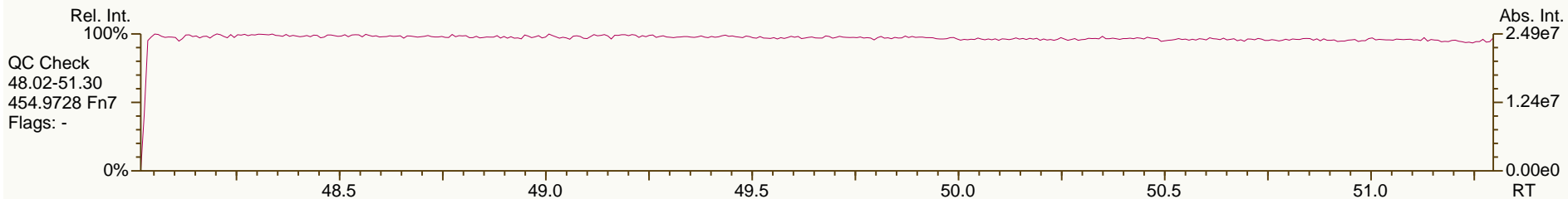
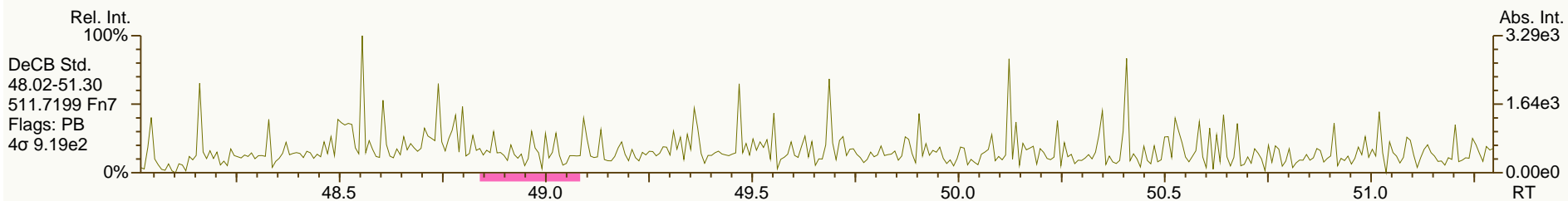
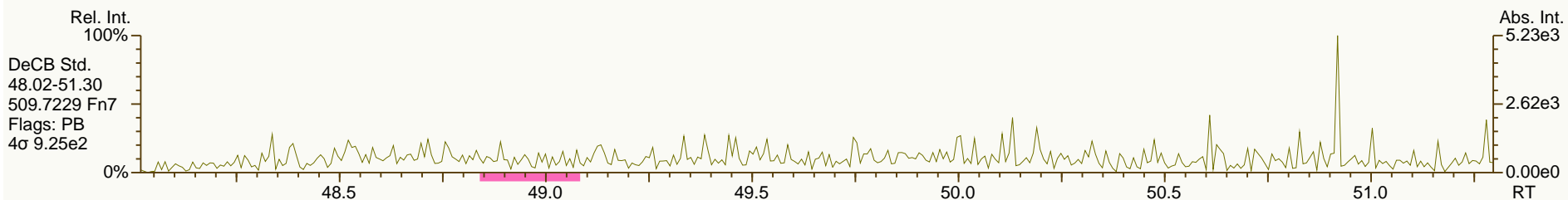
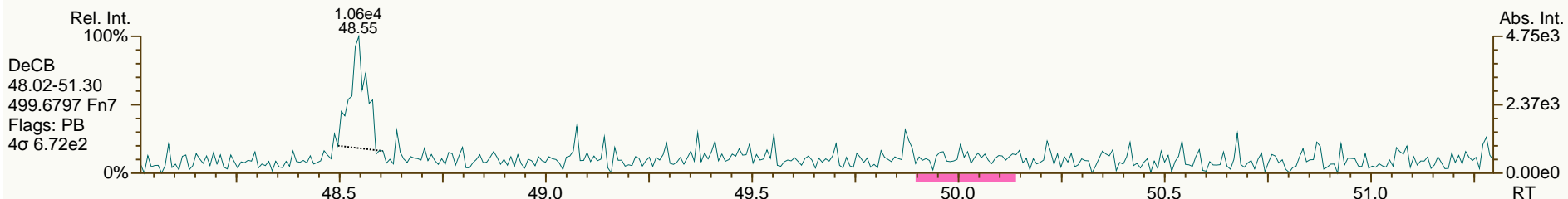
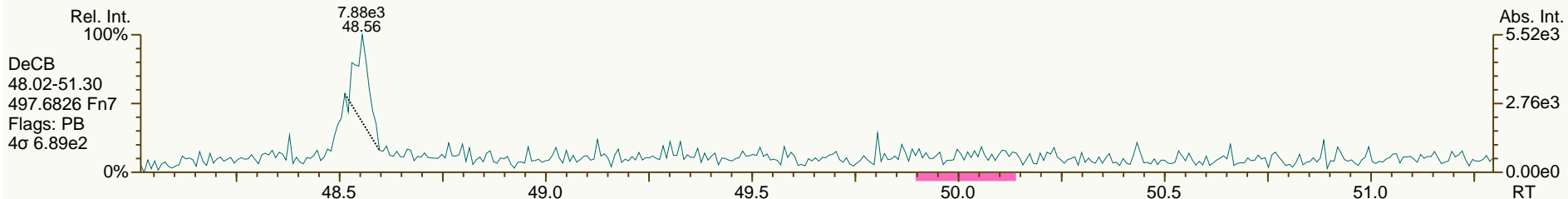
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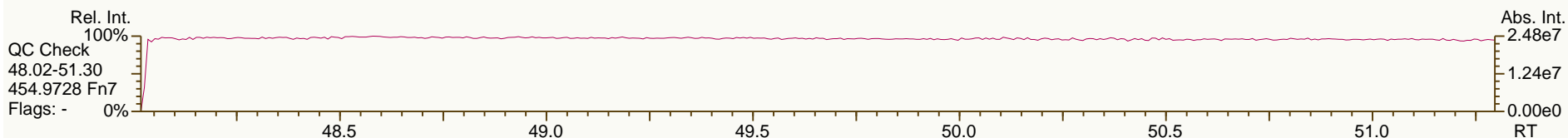
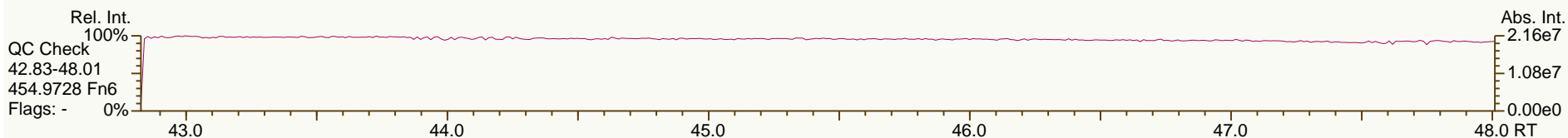
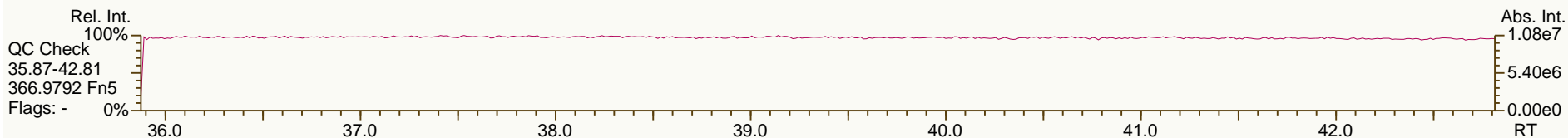
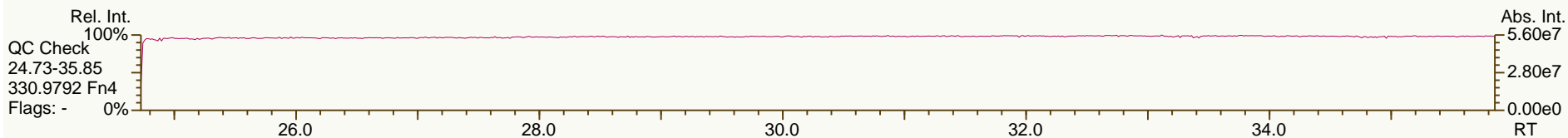
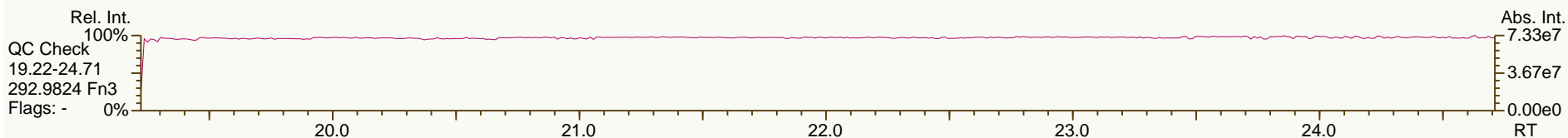
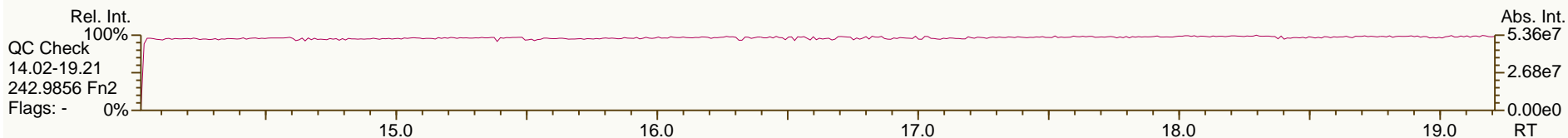
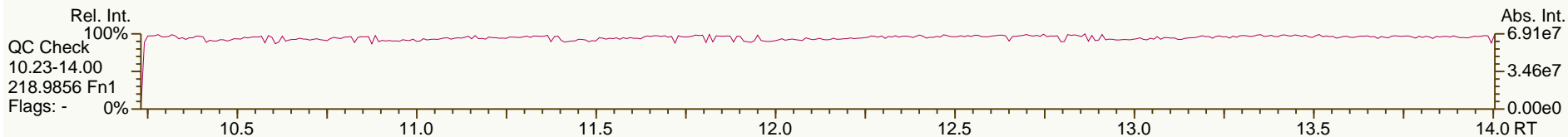
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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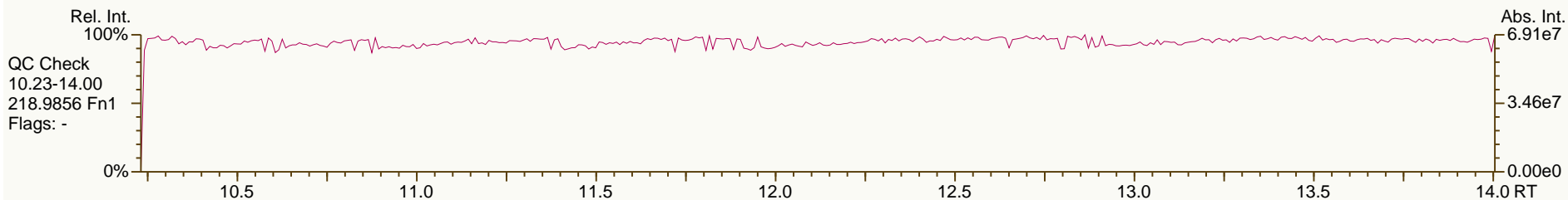
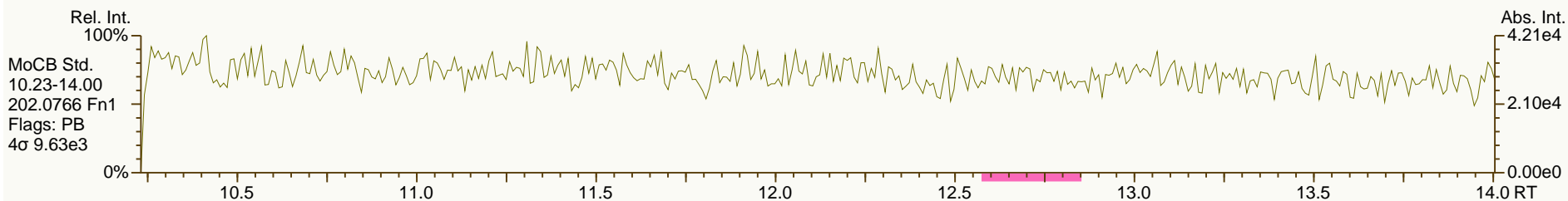
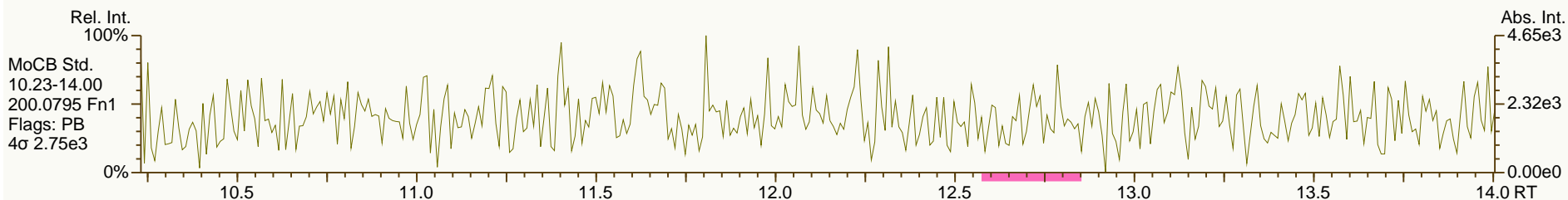
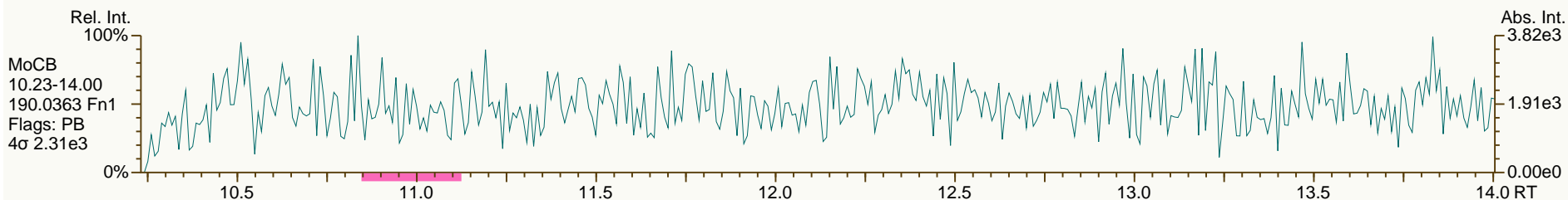
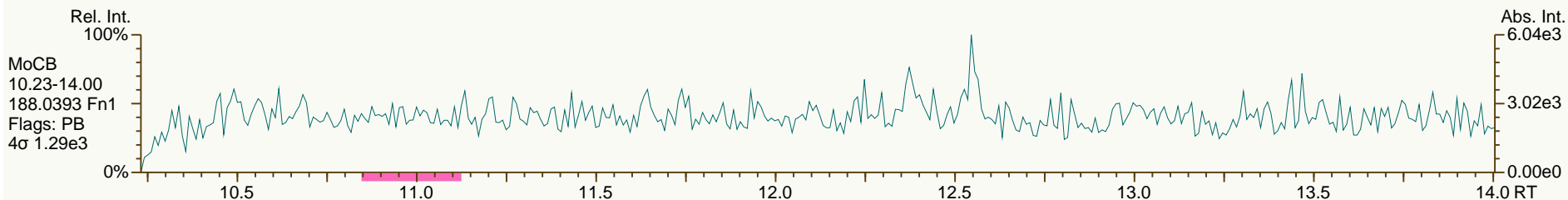
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AP Lab ID: SBS_120126_PCB_SC
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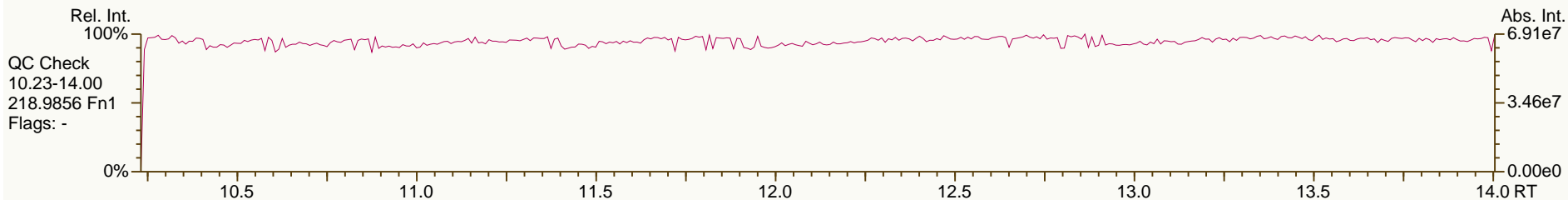
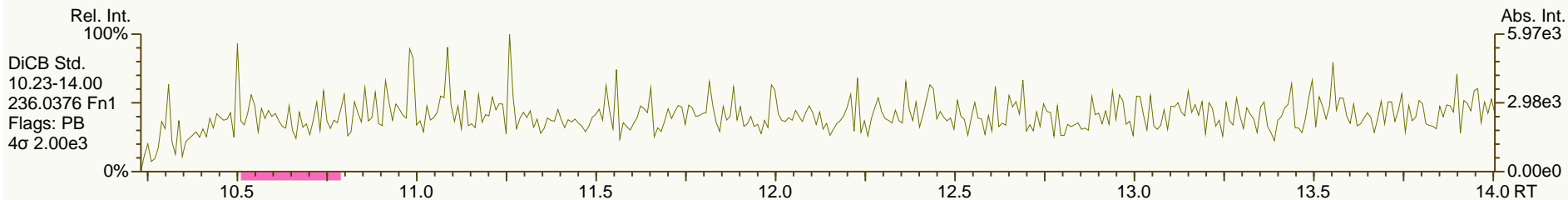
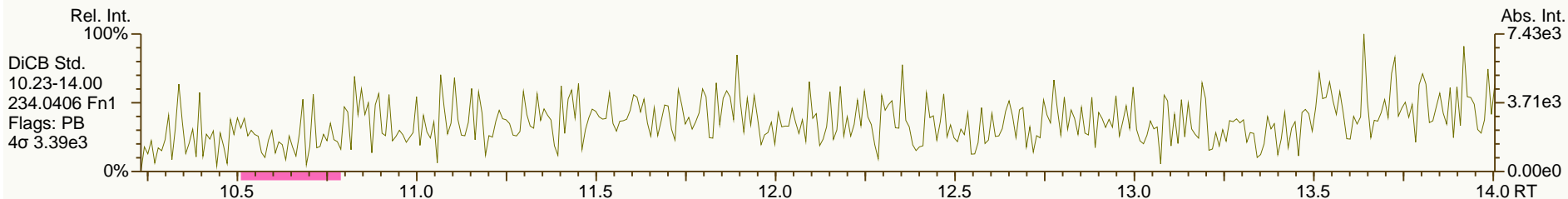
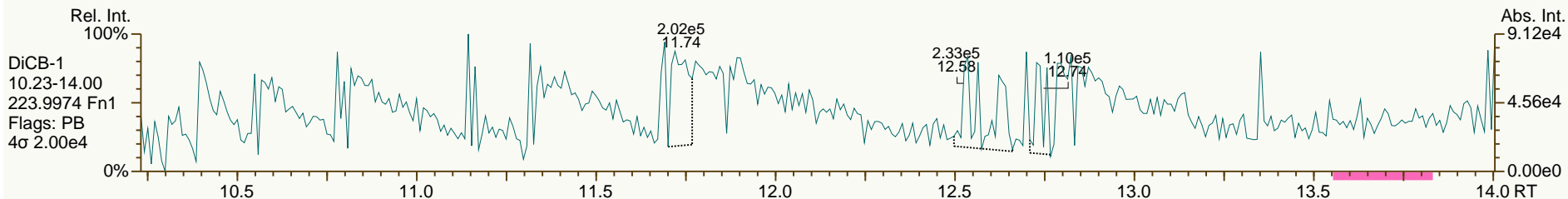
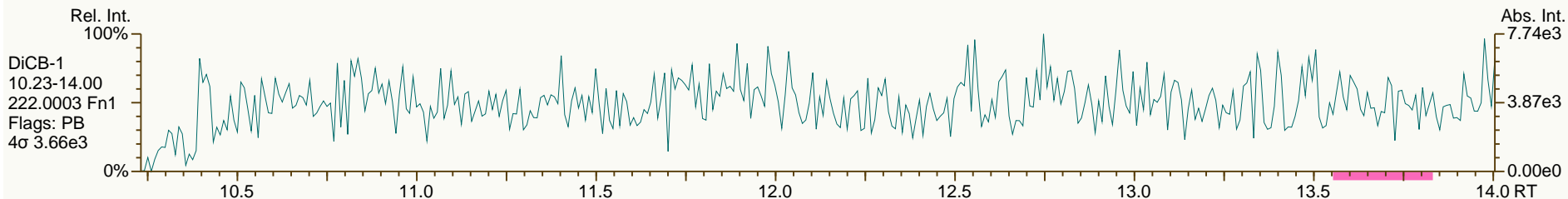
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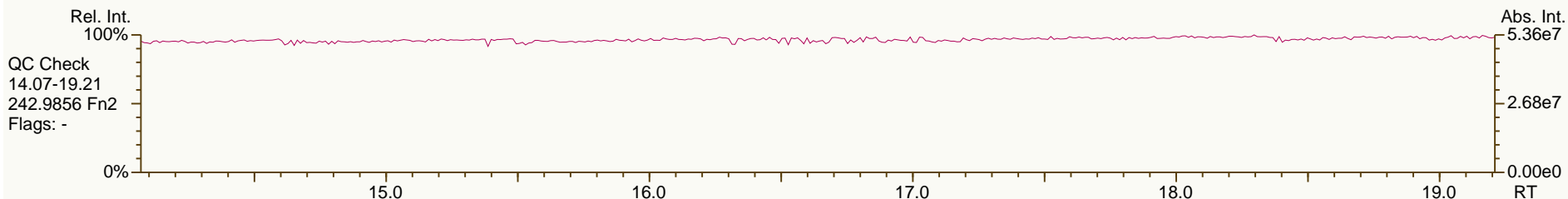
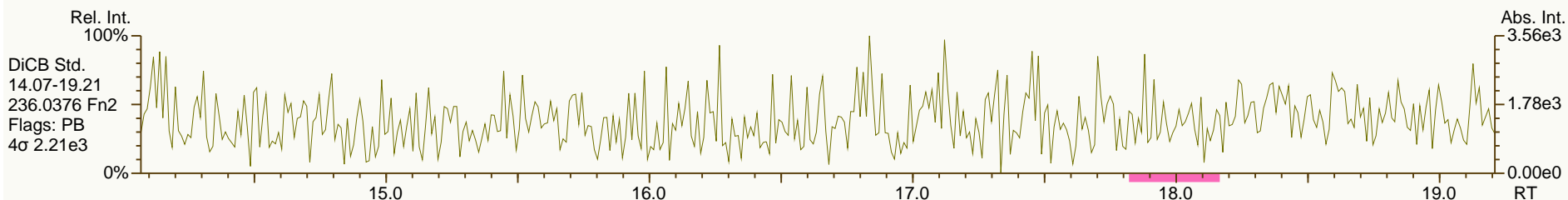
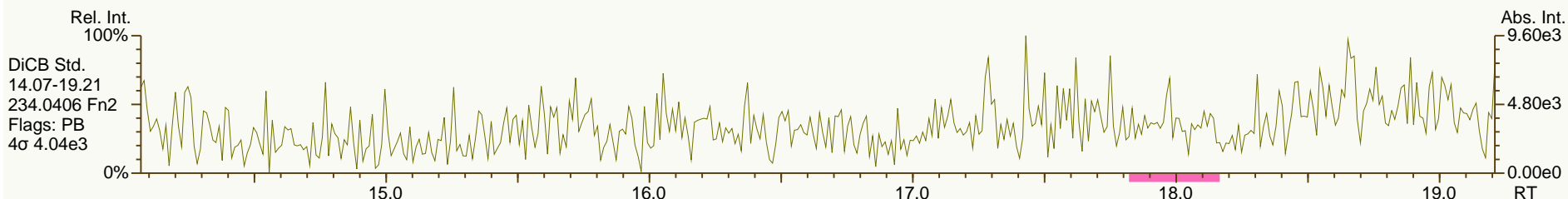
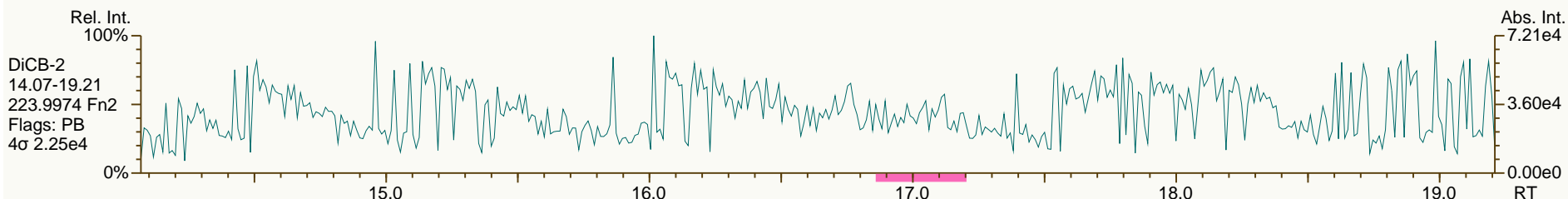
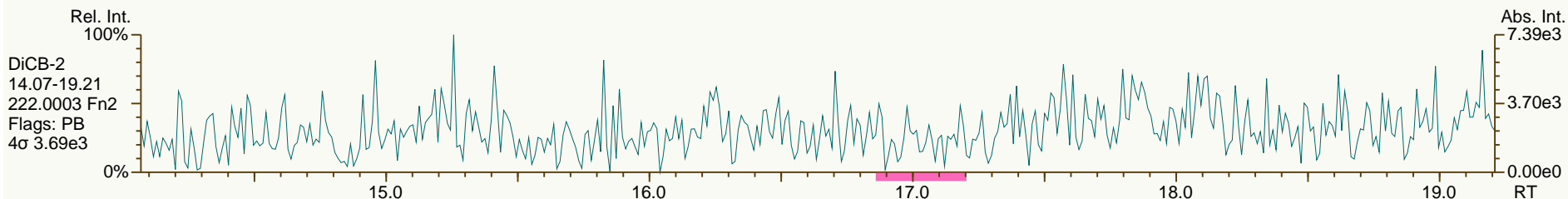
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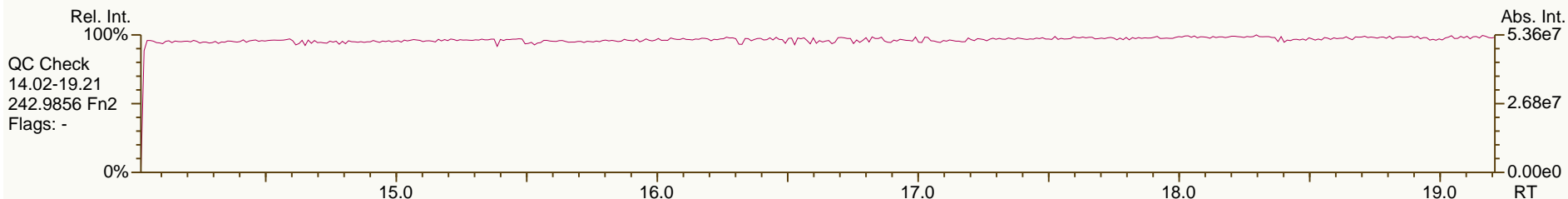
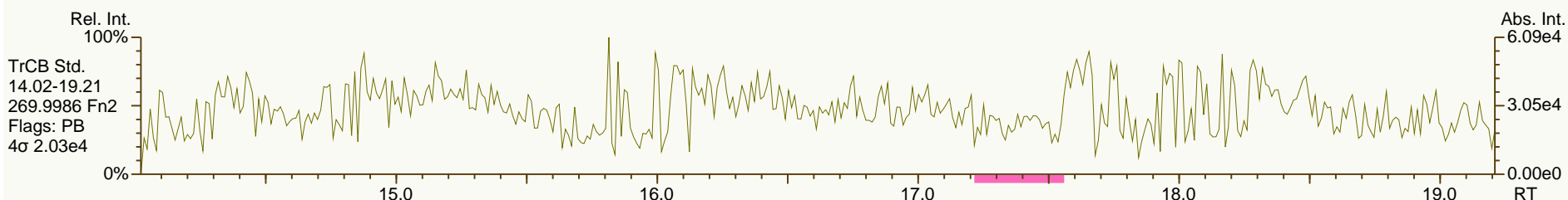
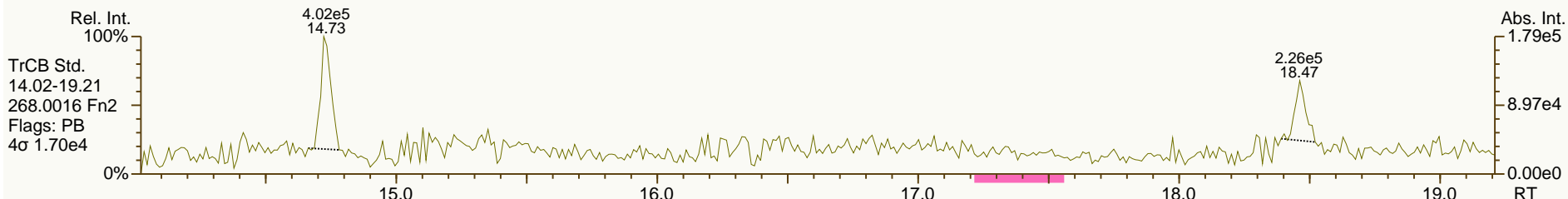
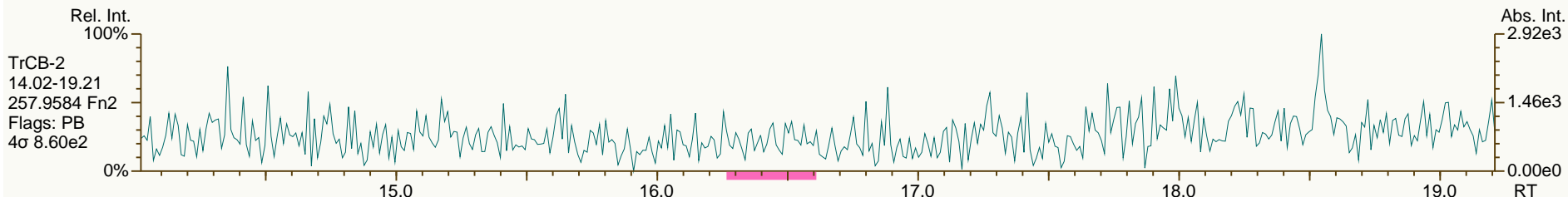
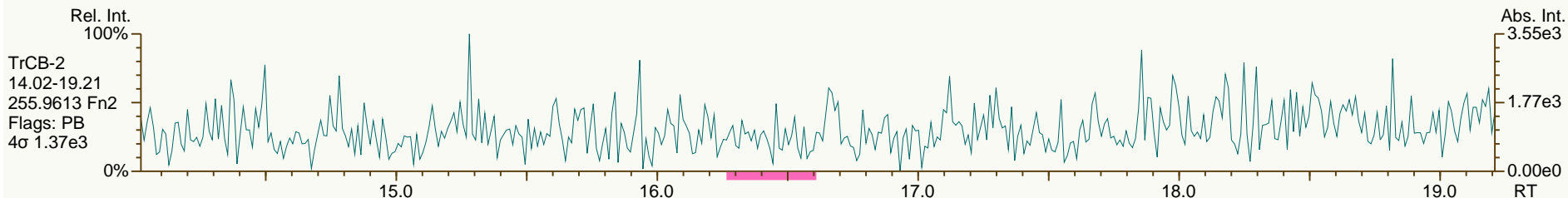
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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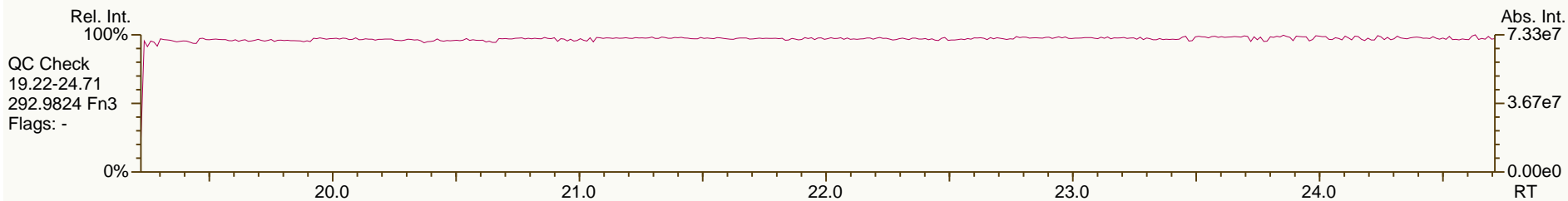
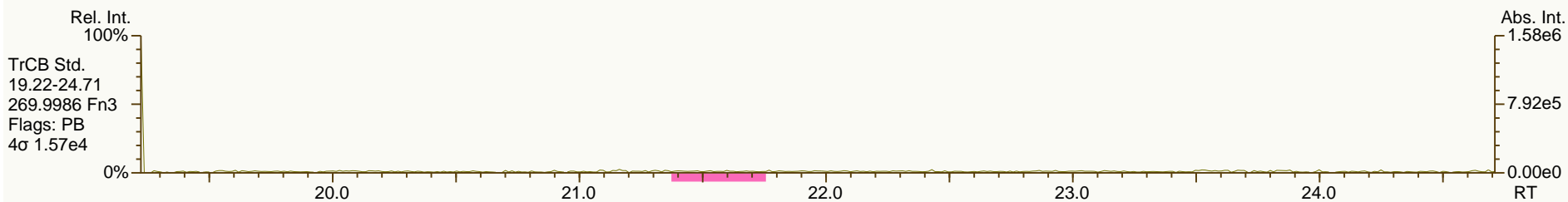
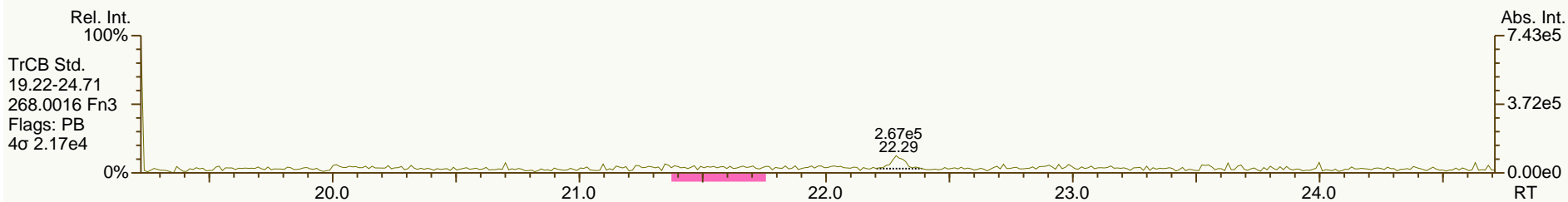
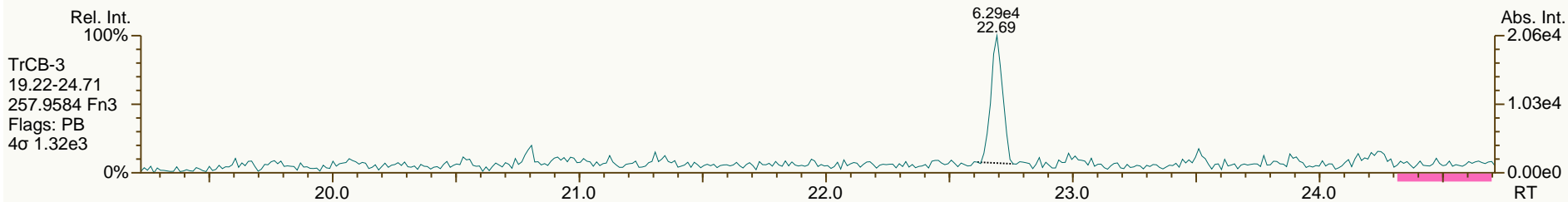
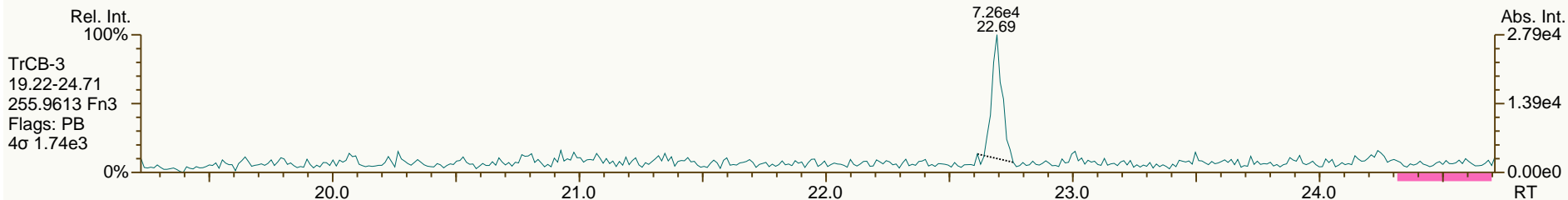
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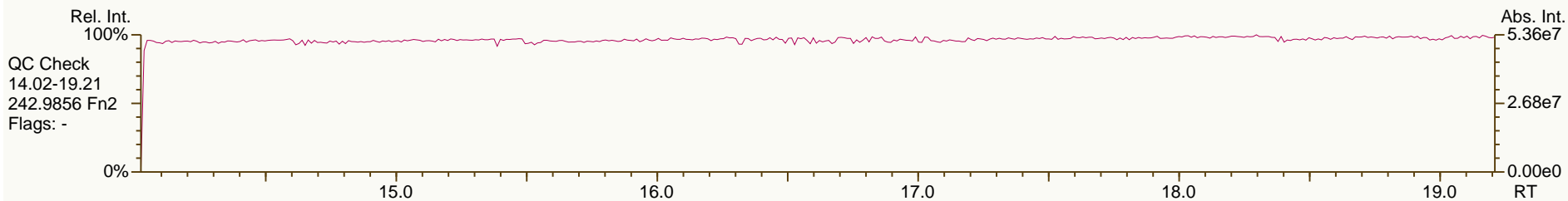
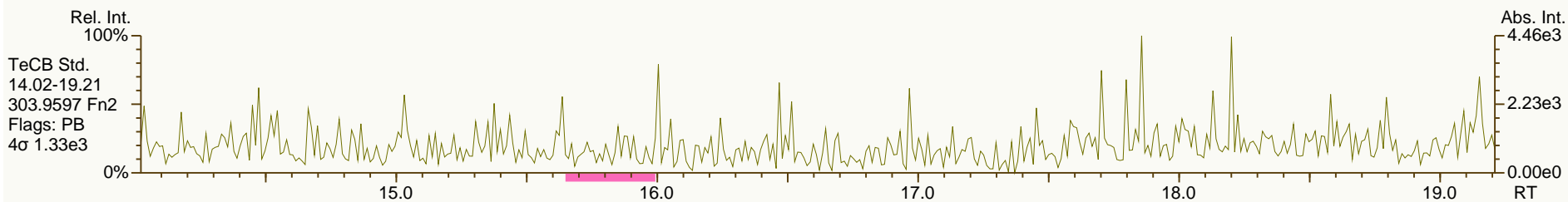
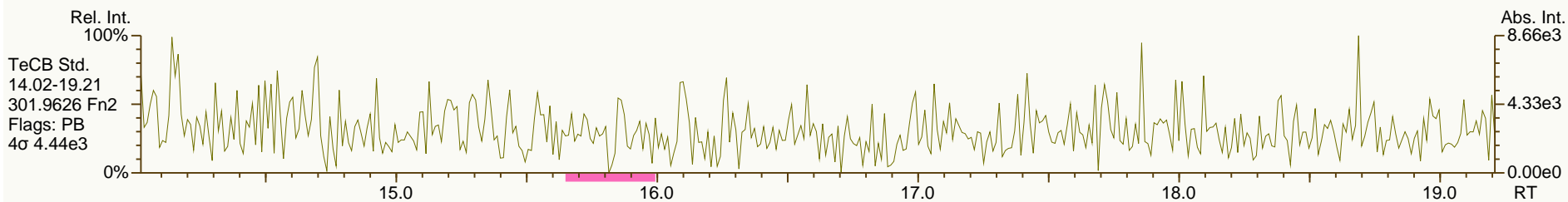
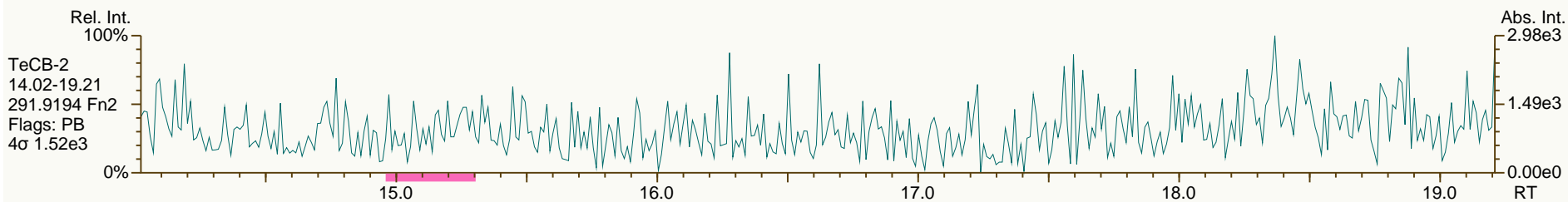
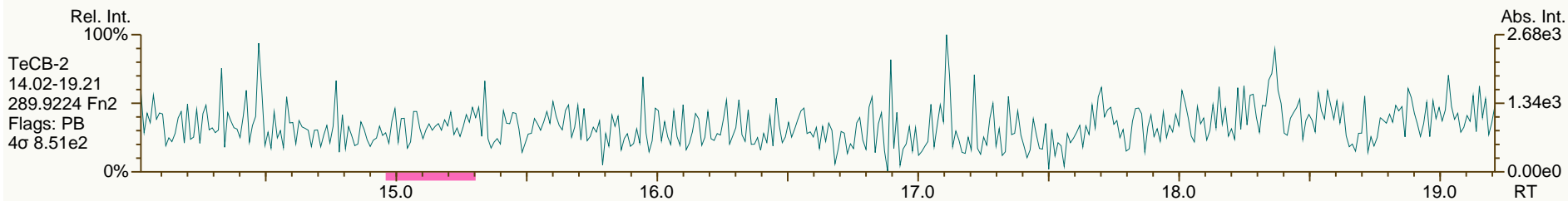
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

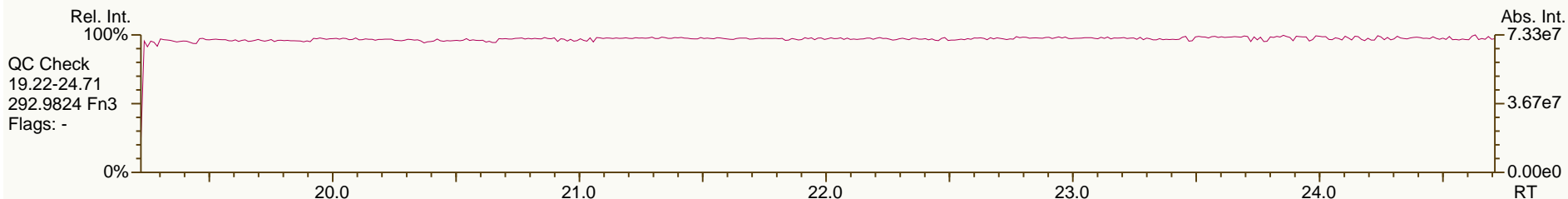
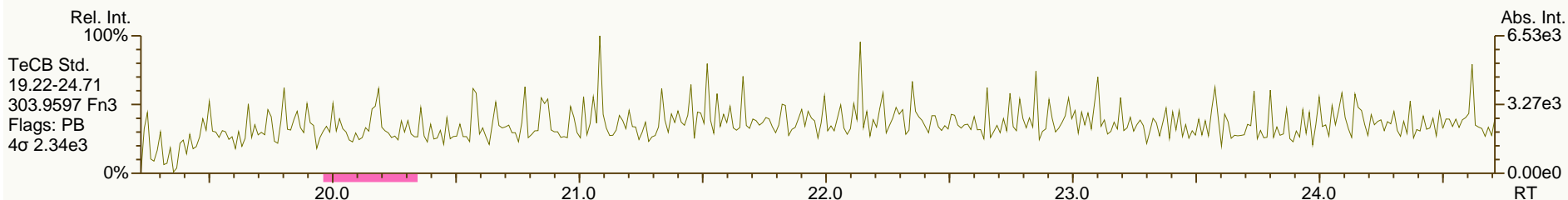
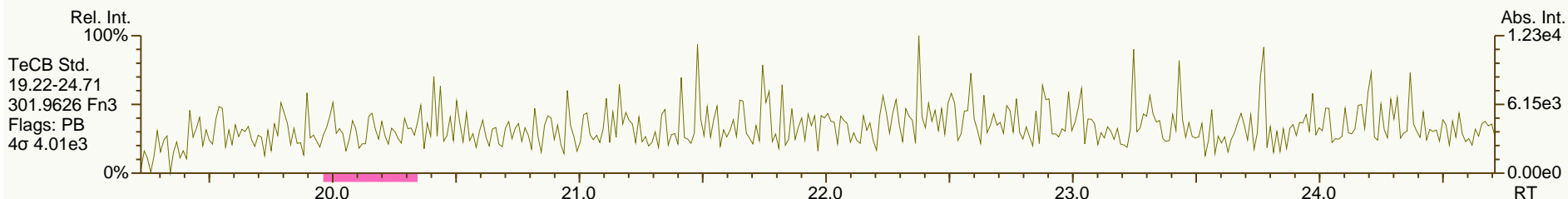
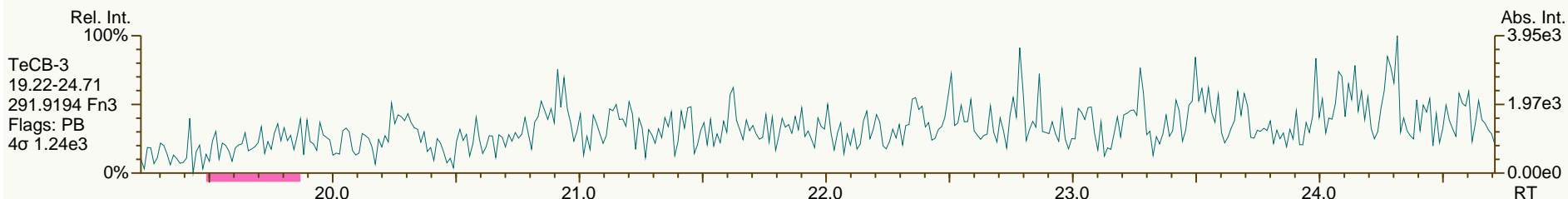
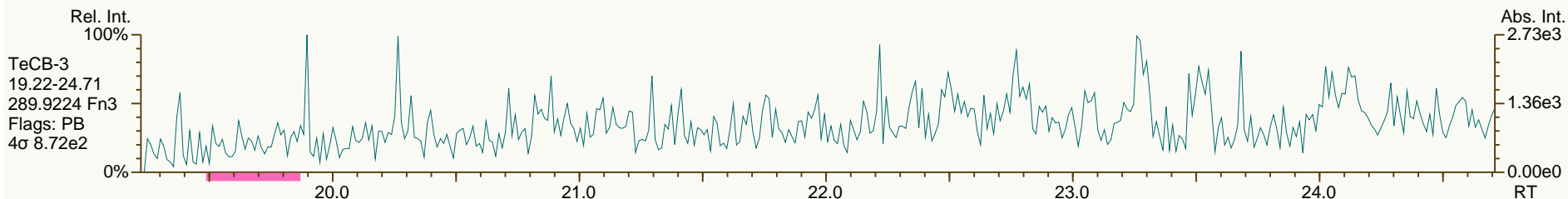
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AP Lab ID: SBS_120126_PCB_SC
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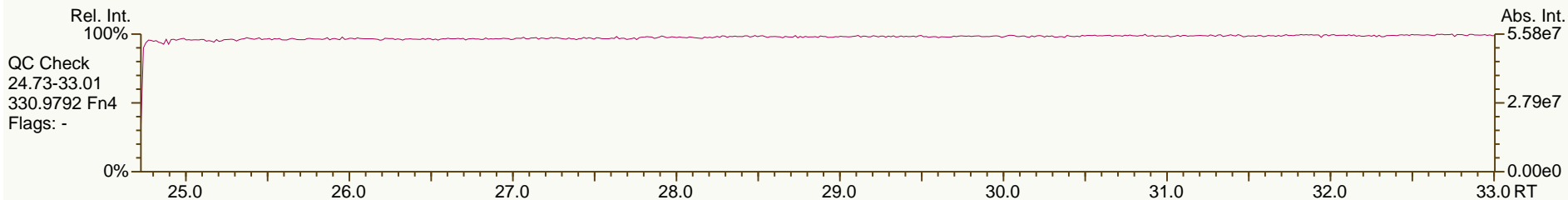
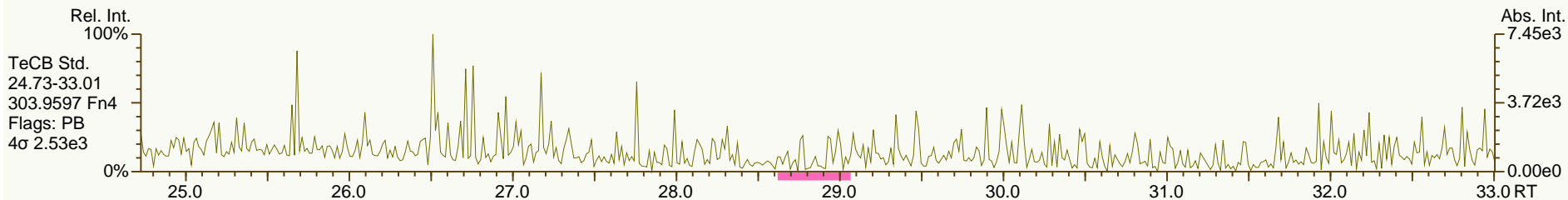
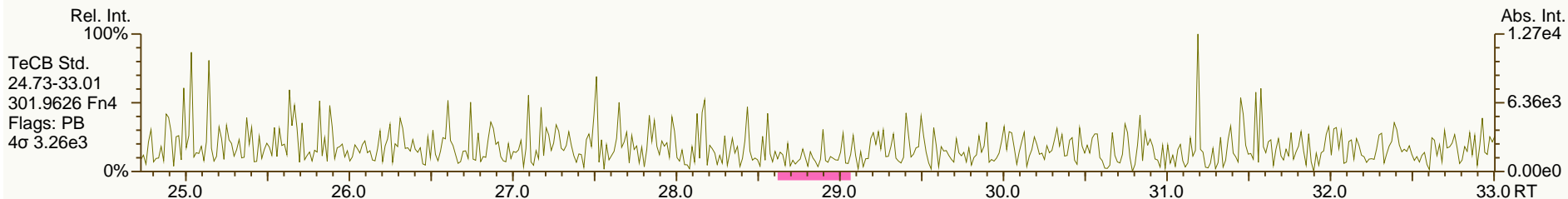
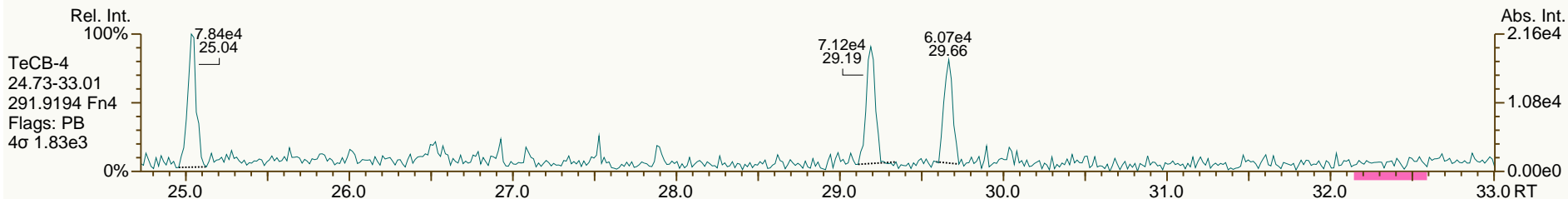
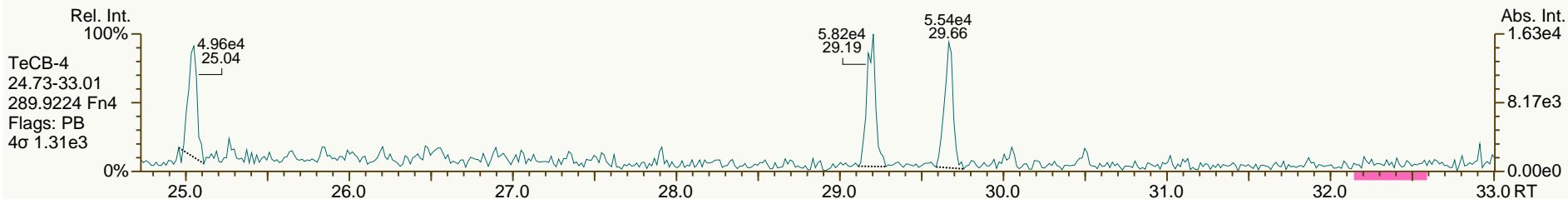
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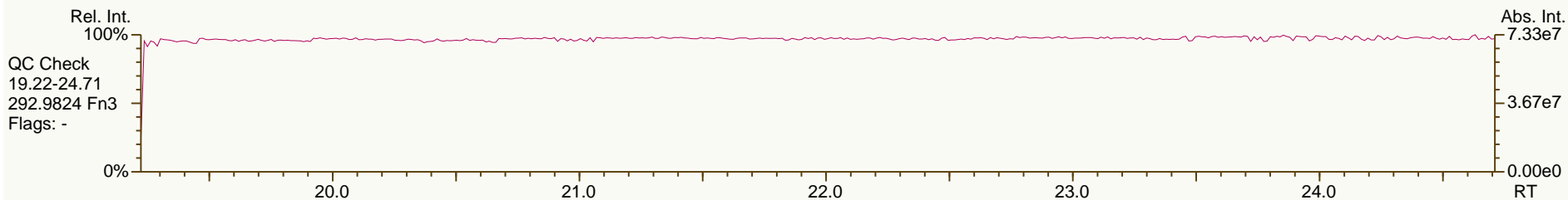
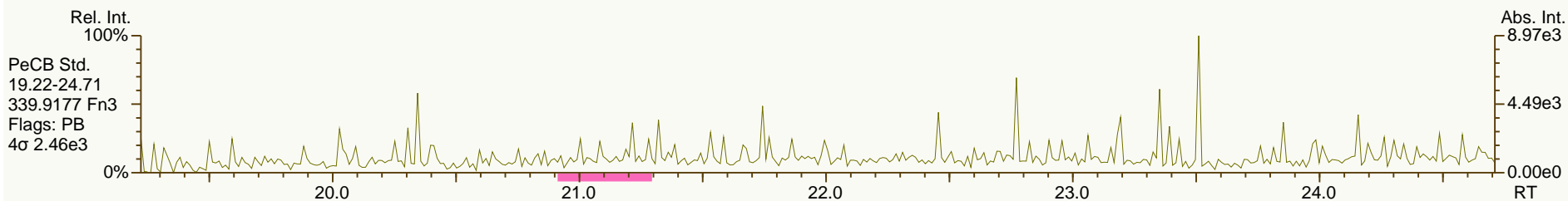
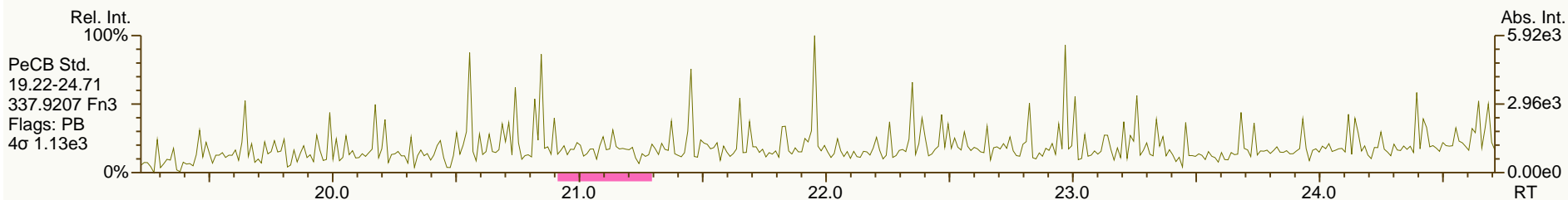
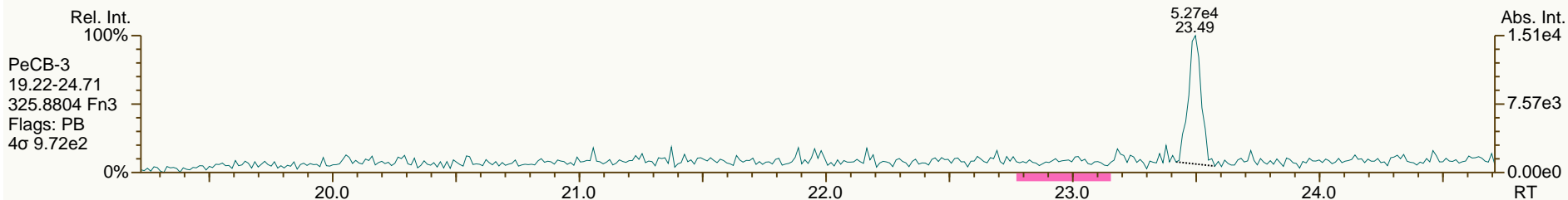
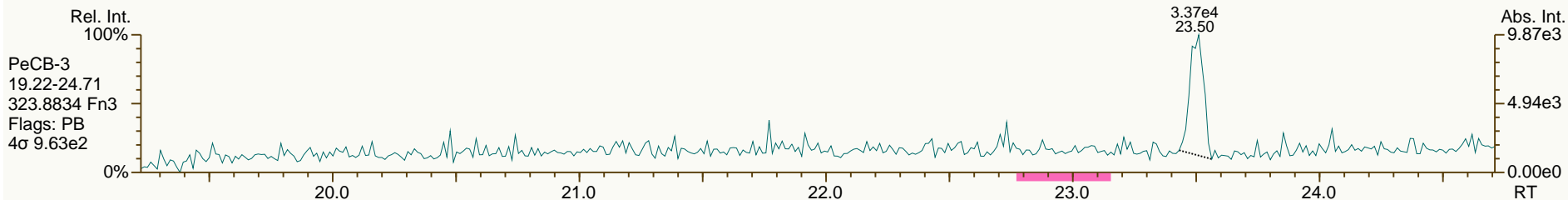
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AP Lab ID: SBS_120126_PCB_SC
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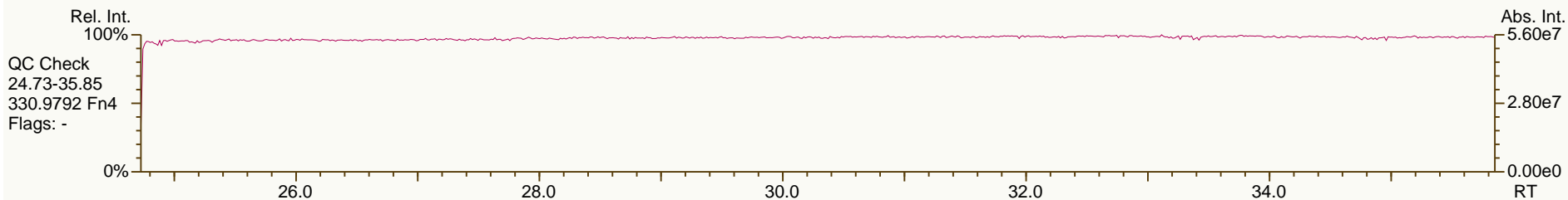
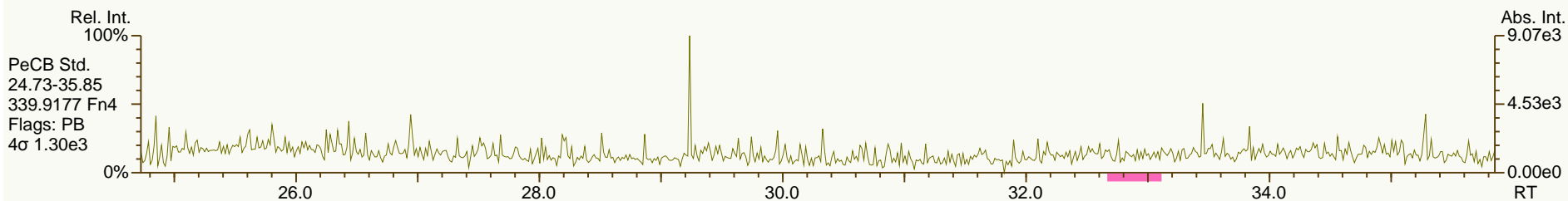
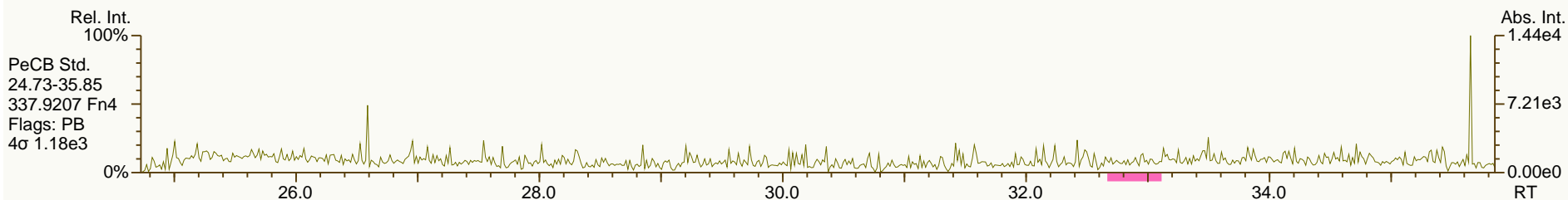
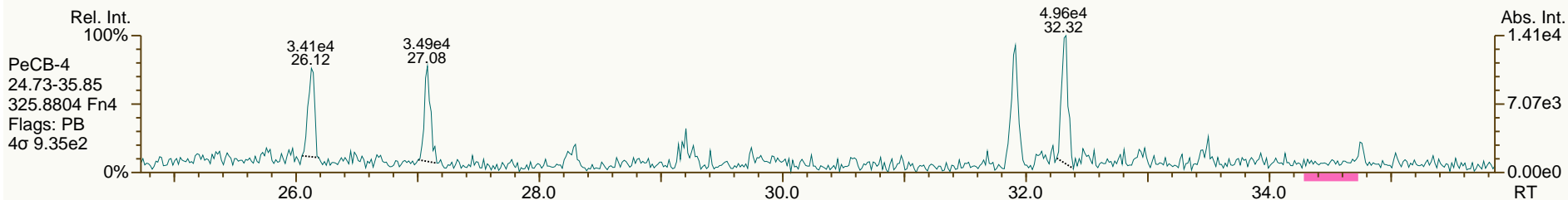
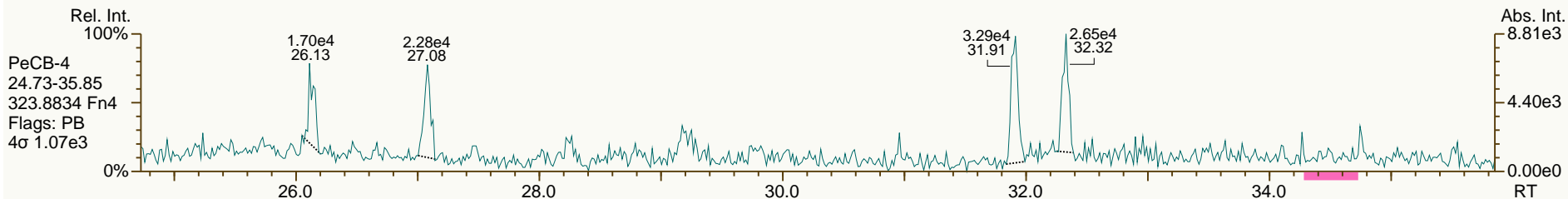
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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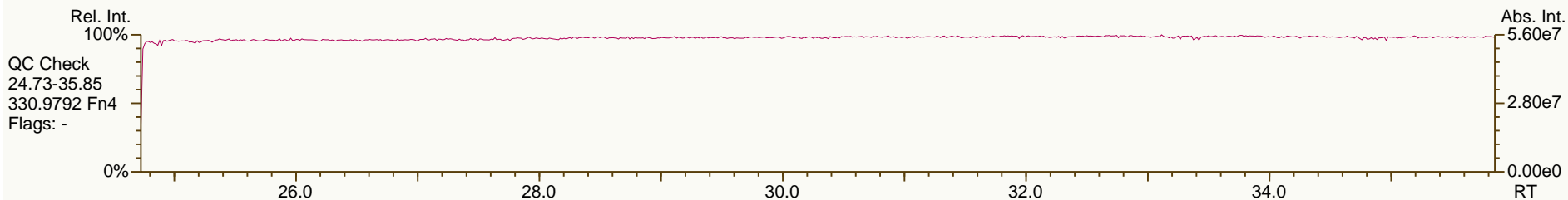
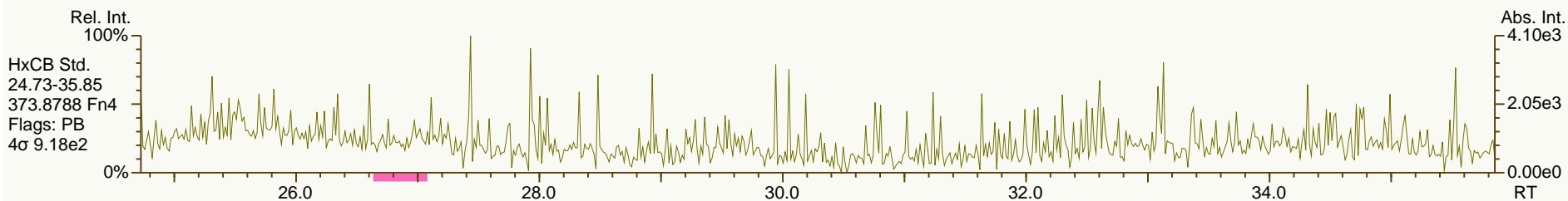
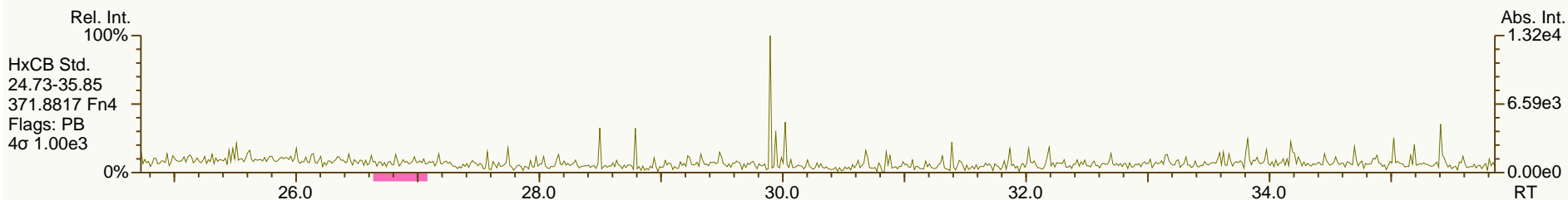
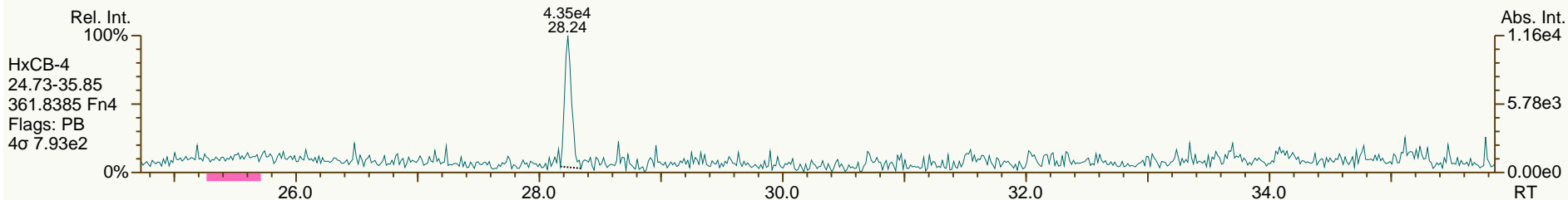
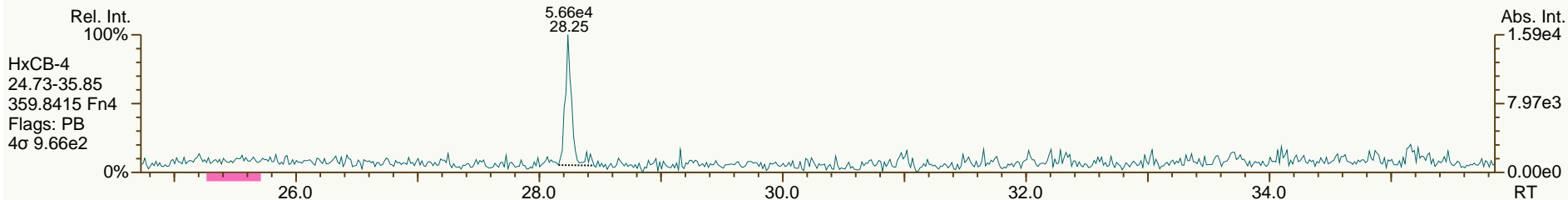
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AP Lab ID: SBS_120126_PCB_SC
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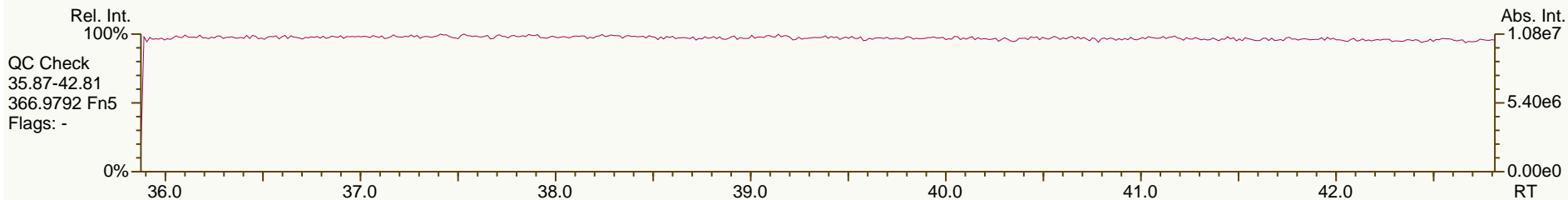
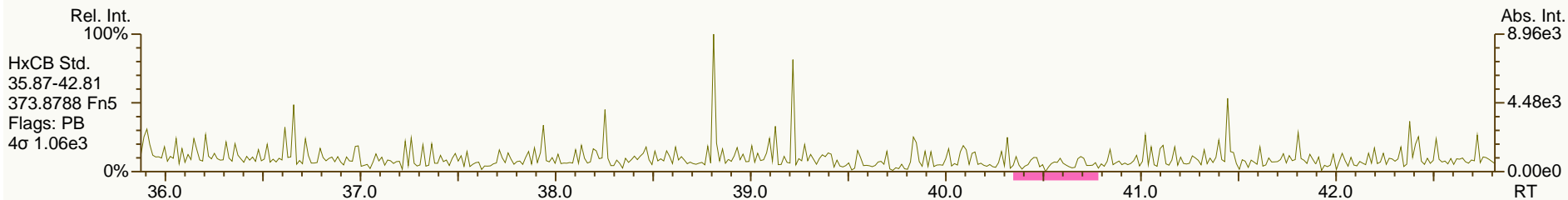
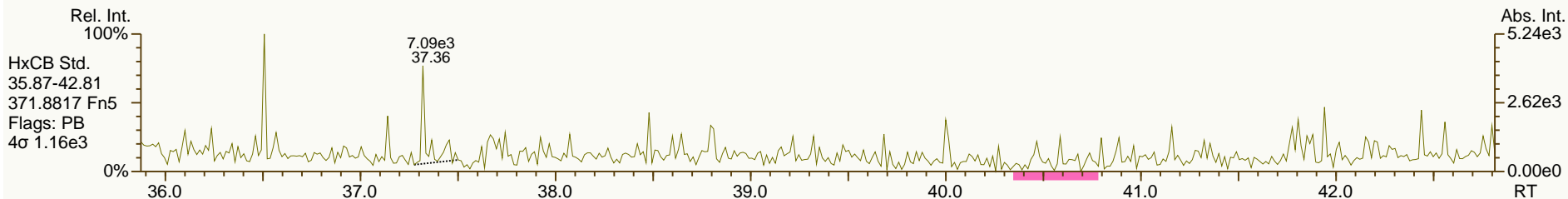
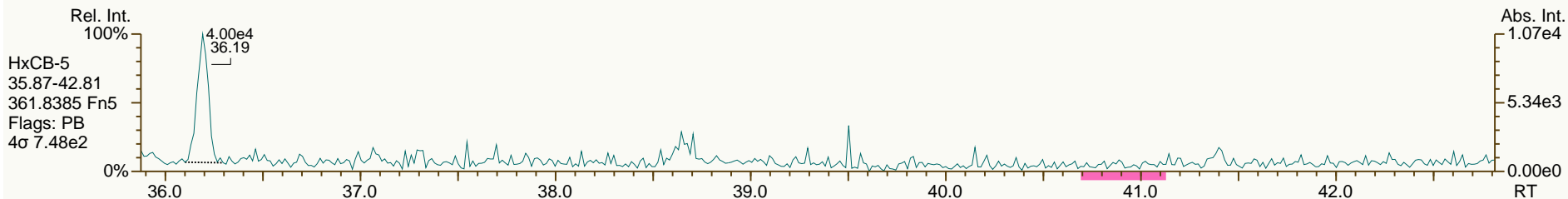
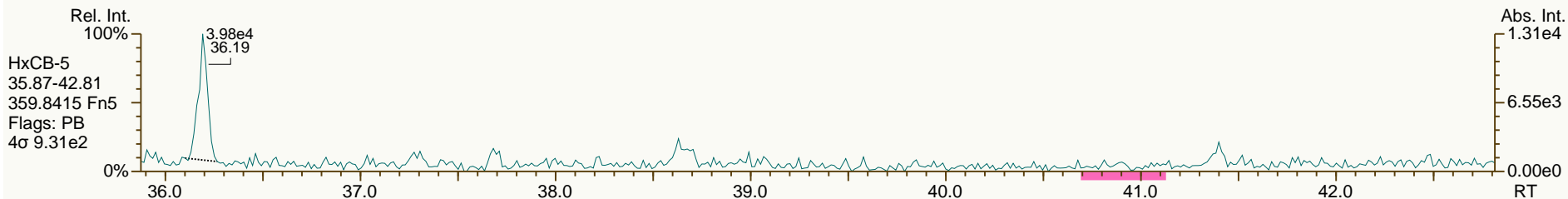
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AP Lab ID: SBS_120126_PCB_SC
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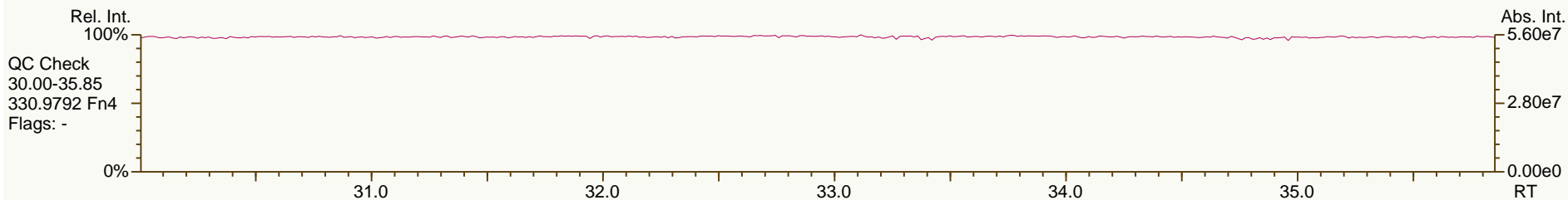
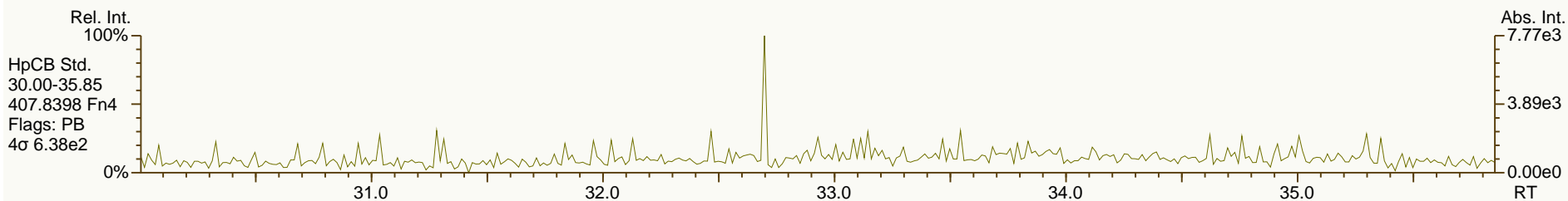
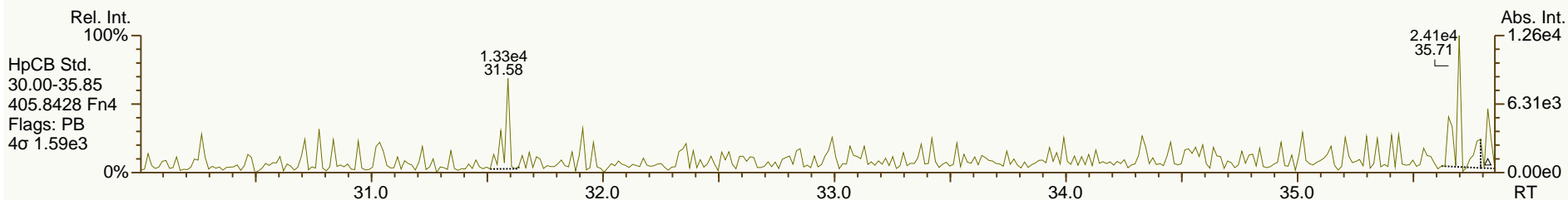
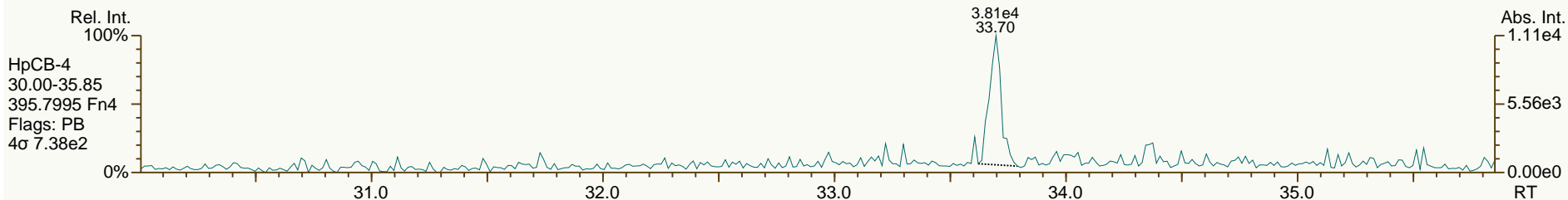
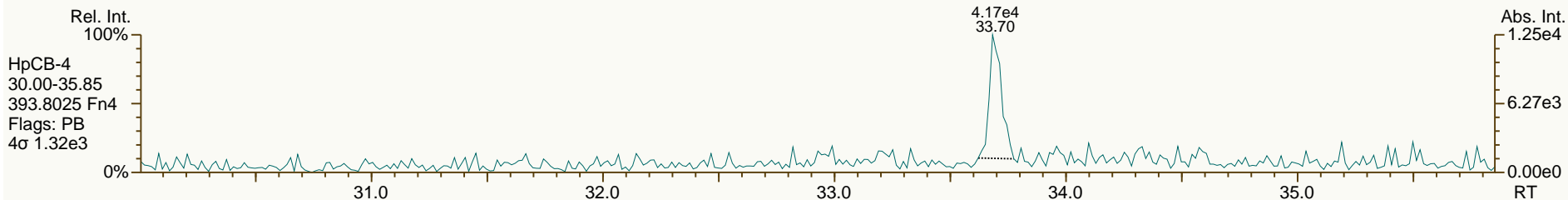
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AP Lab ID: SBS_120126_PCB_SC
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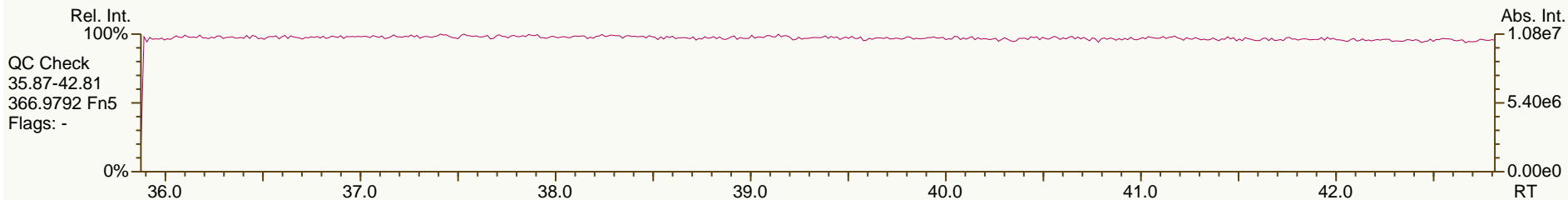
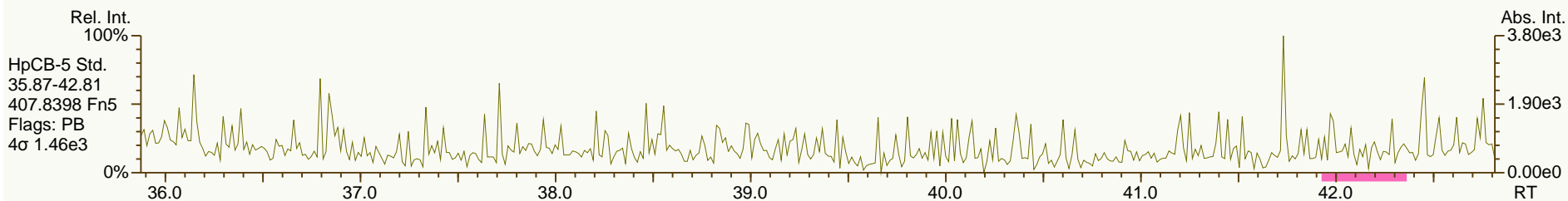
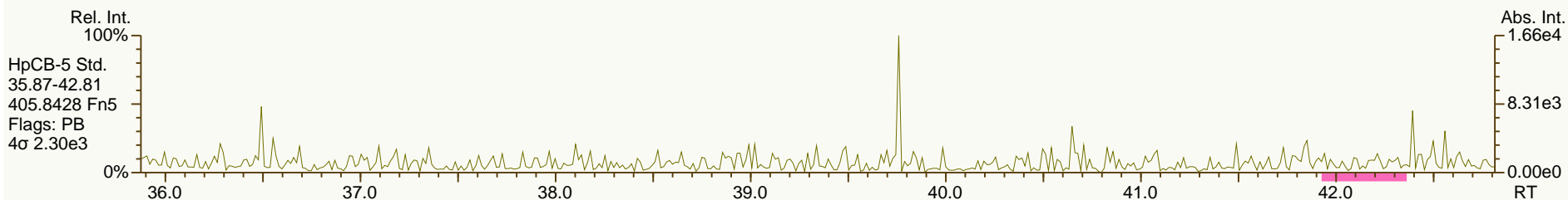
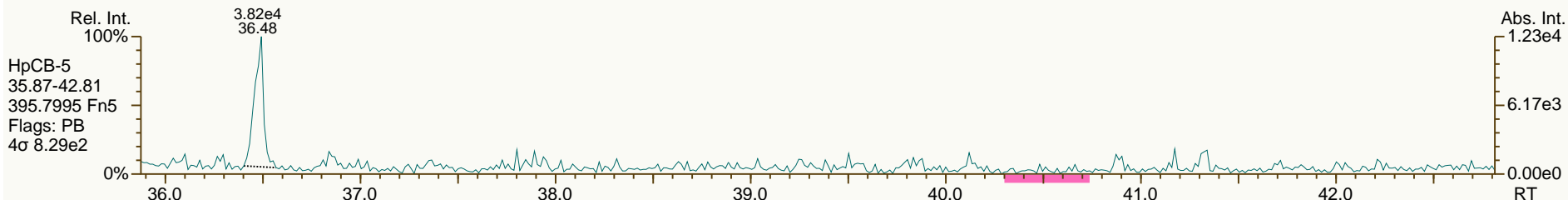
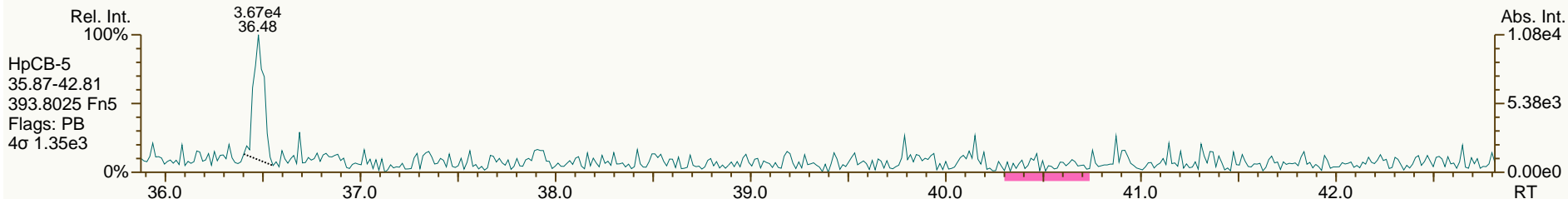
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AP Lab ID: SBS_120126_PCB_SC
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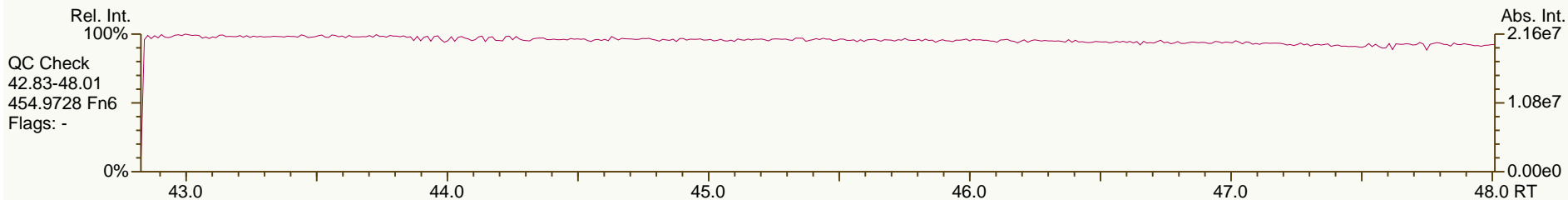
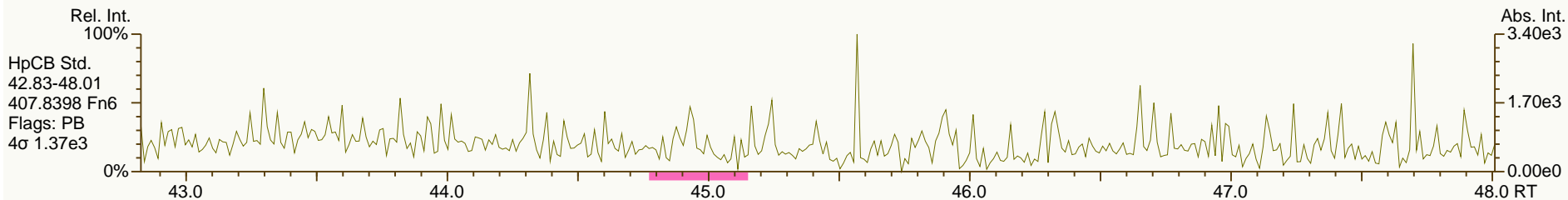
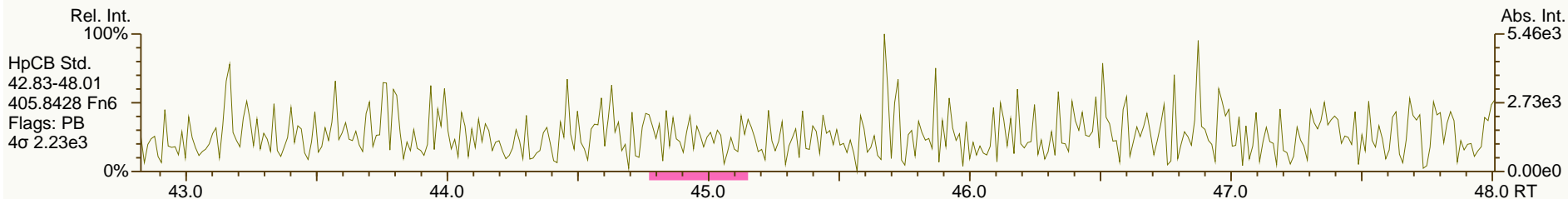
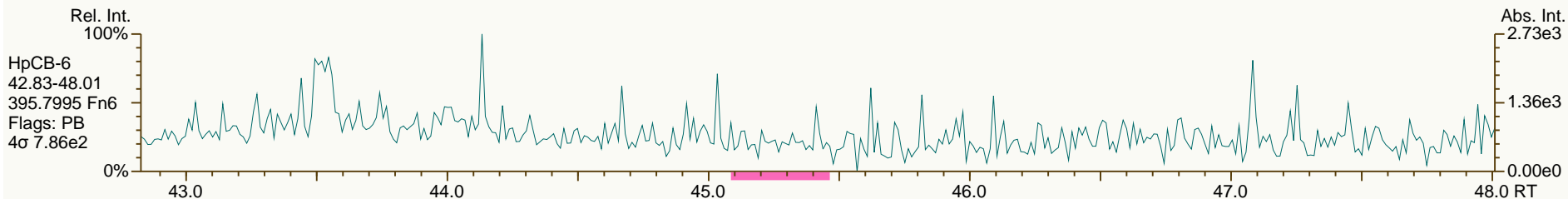
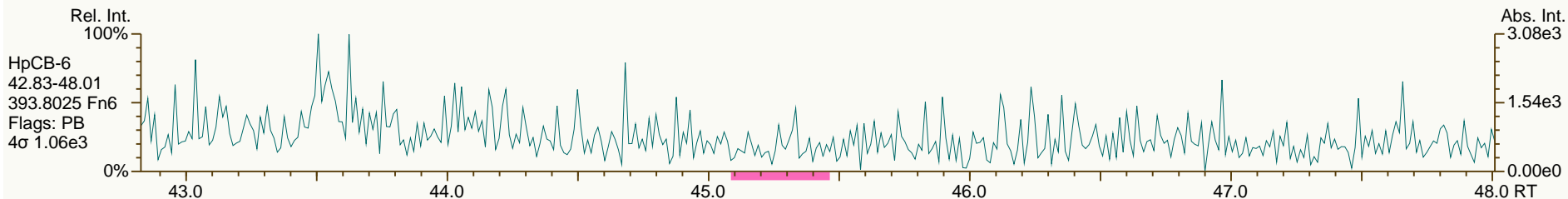
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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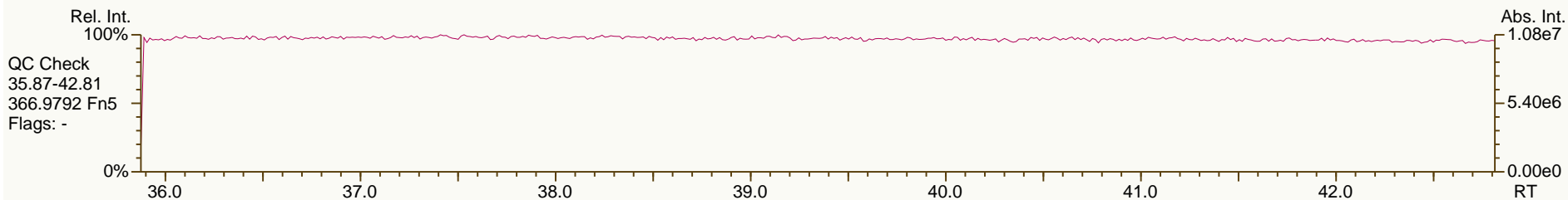
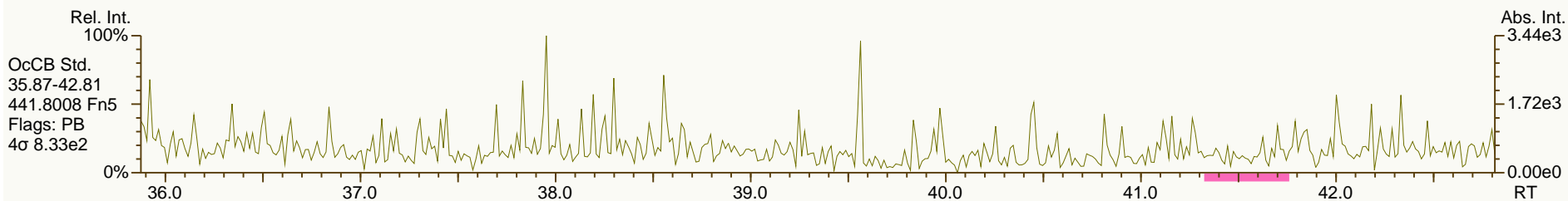
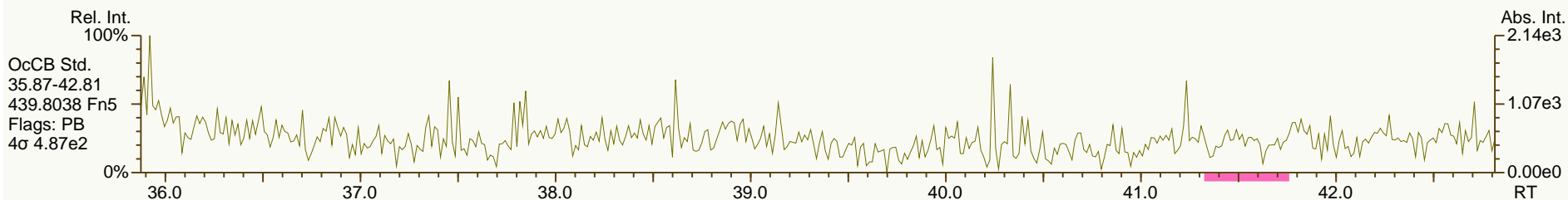
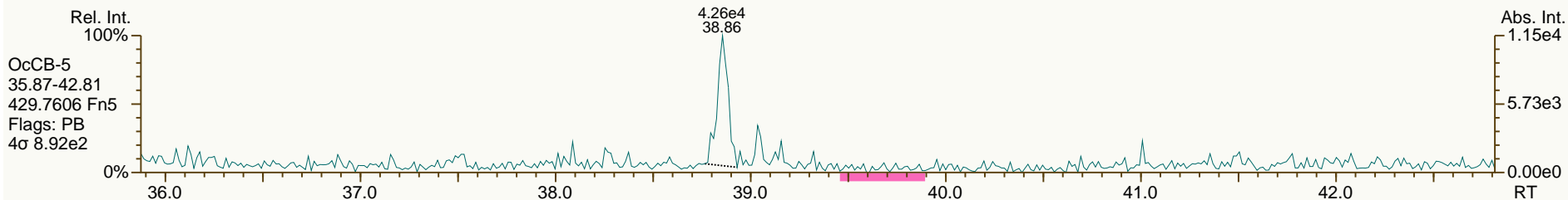
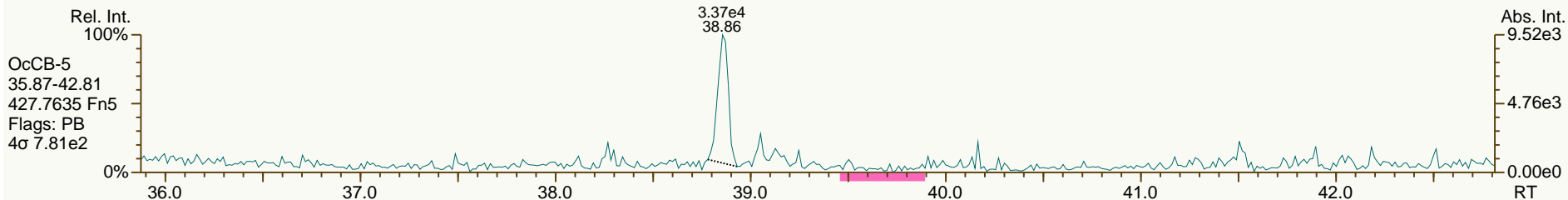
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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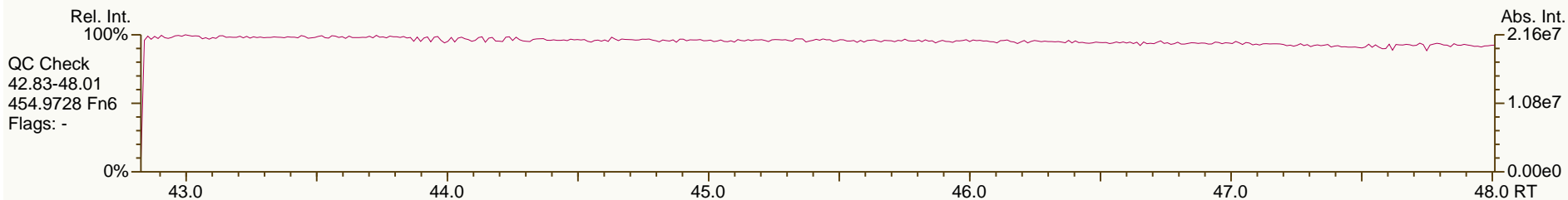
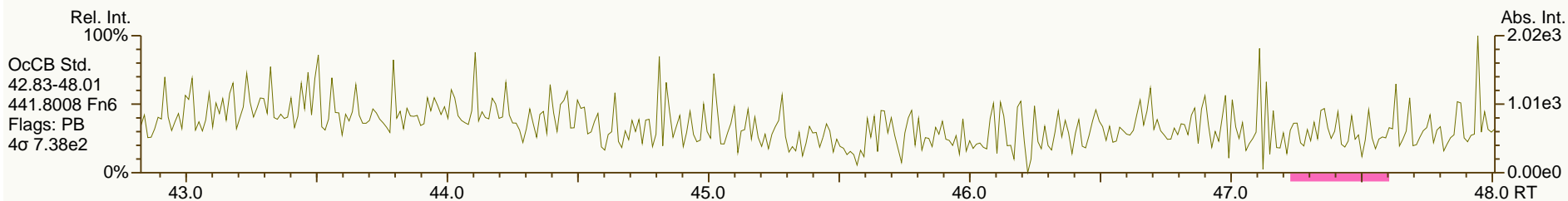
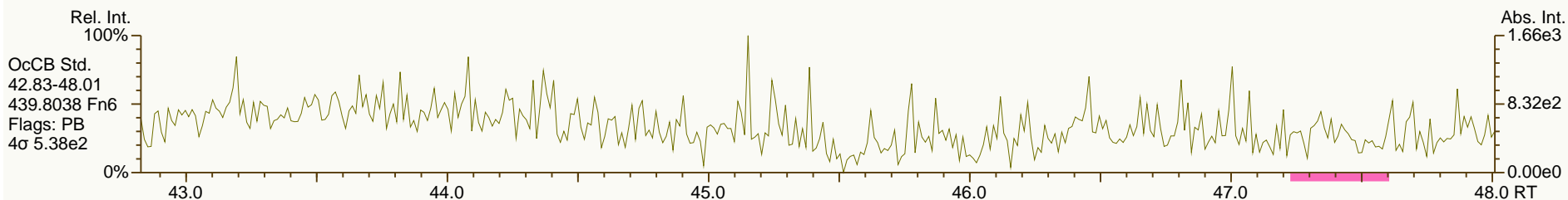
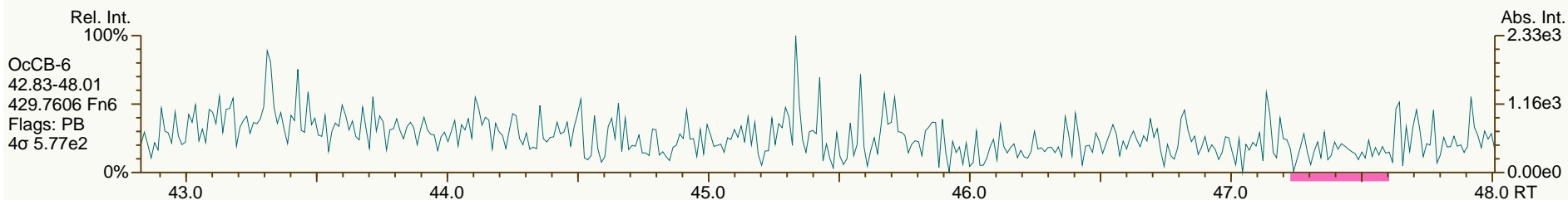
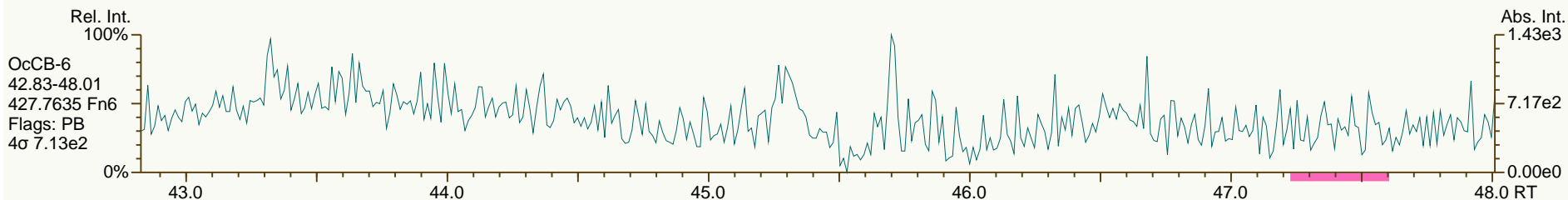
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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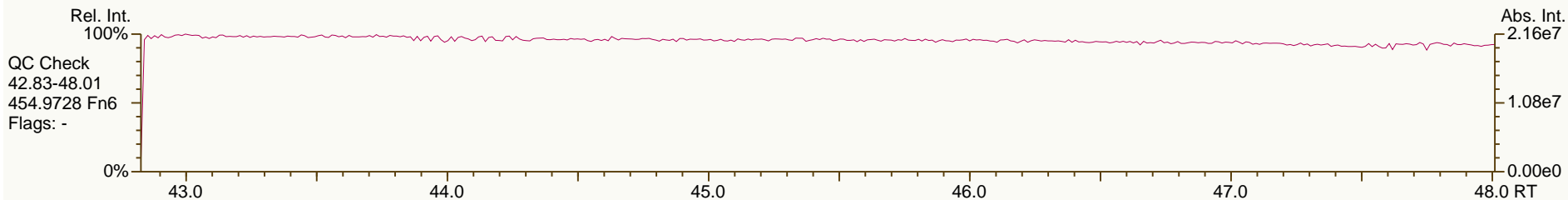
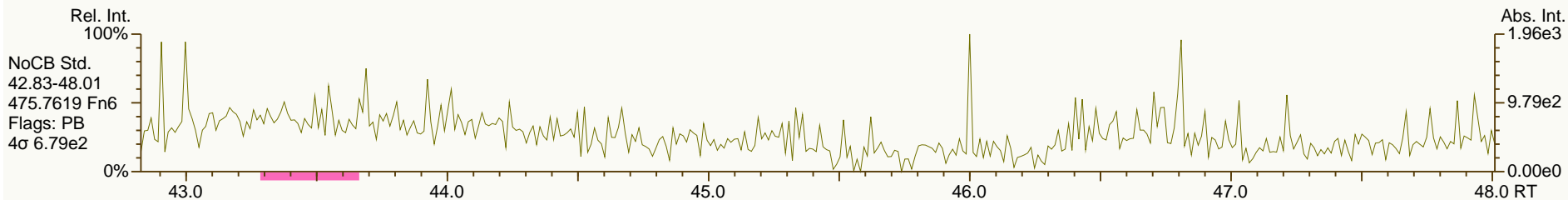
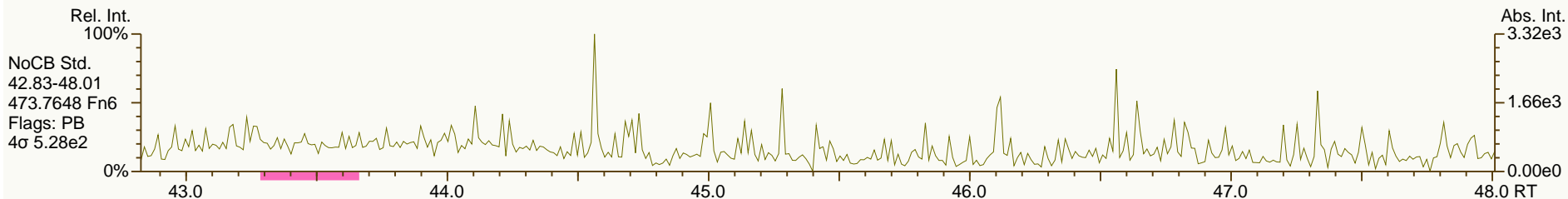
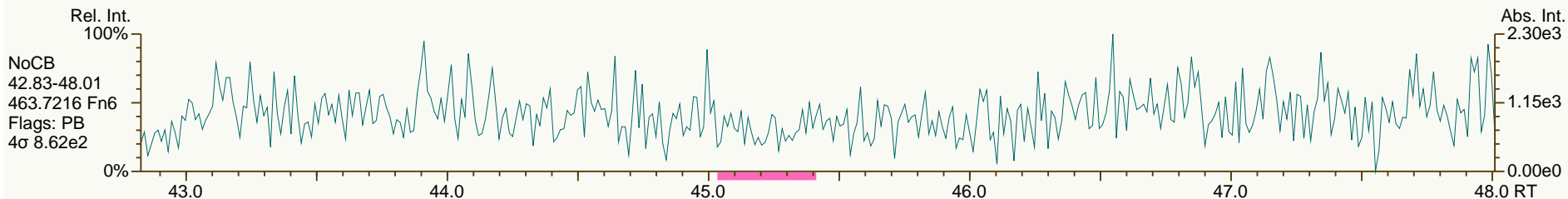
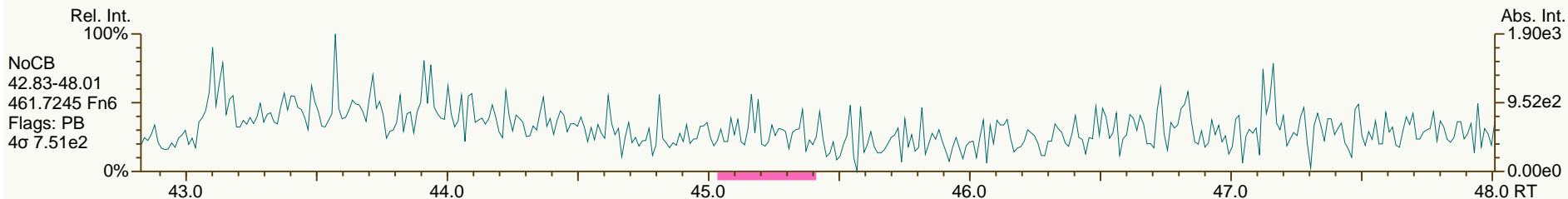
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 22:45:51
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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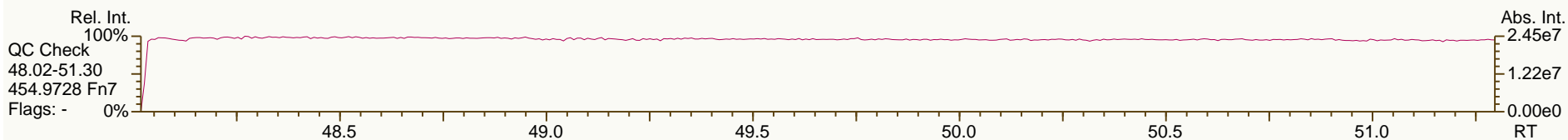
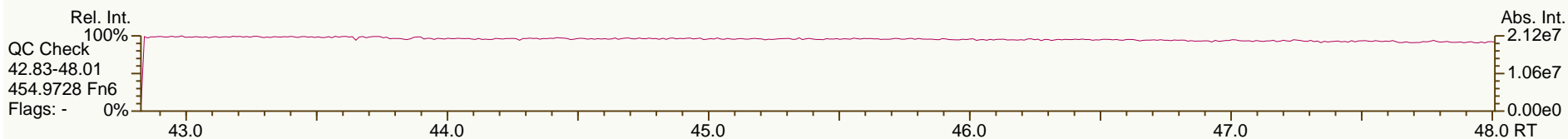
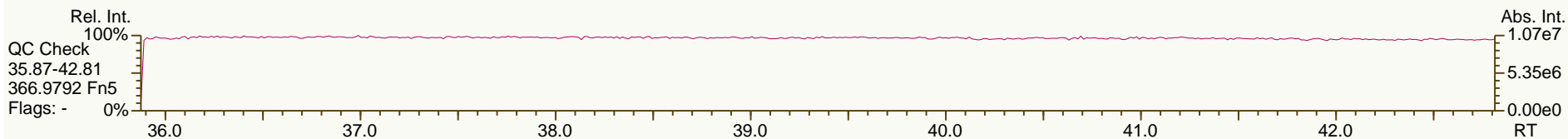
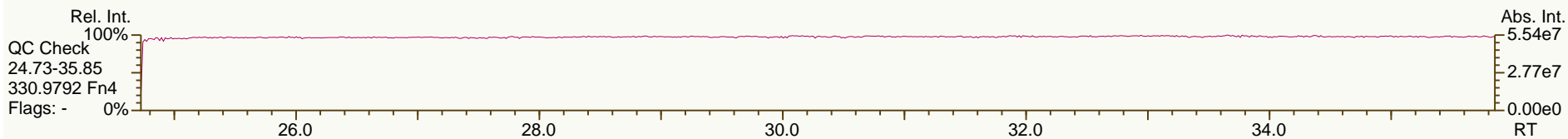
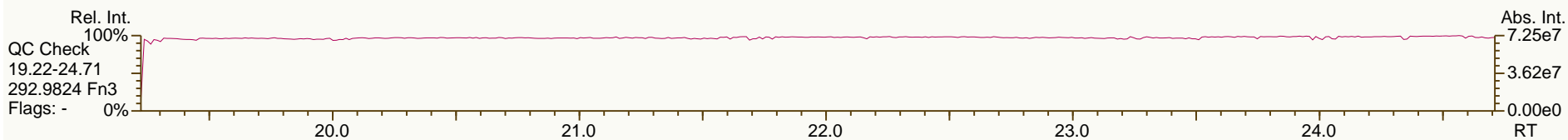
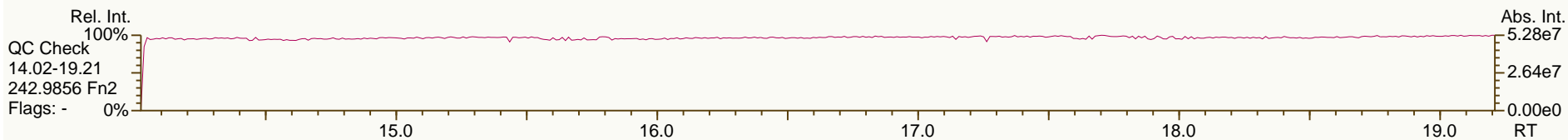
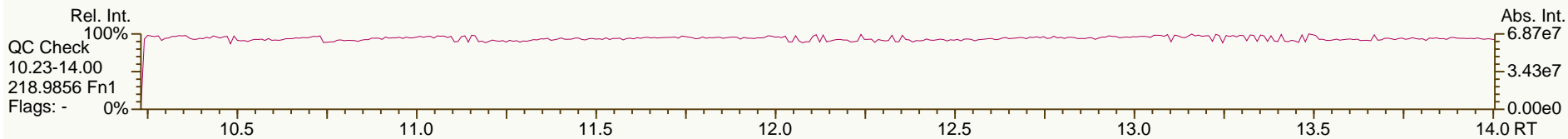
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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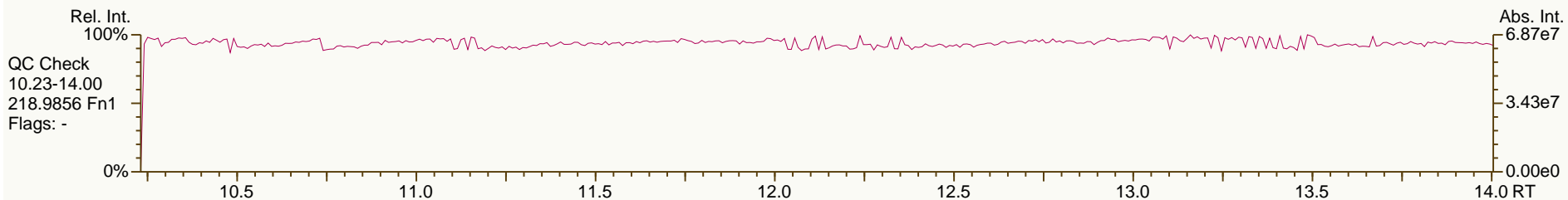
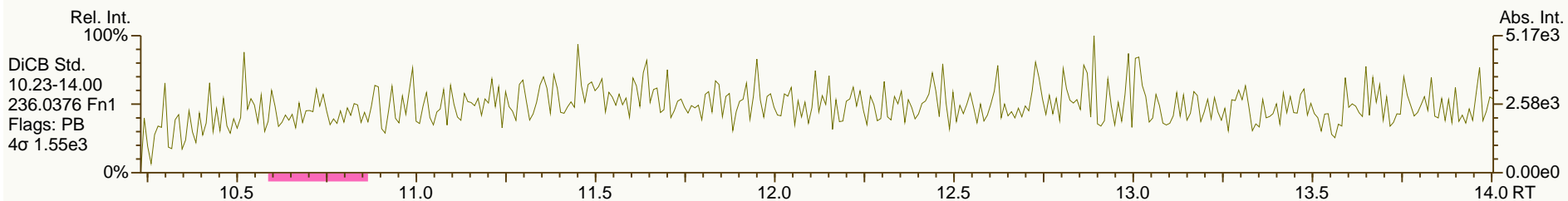
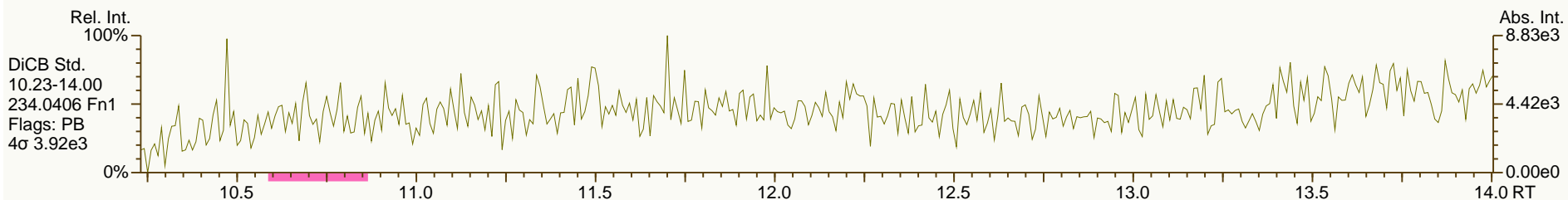
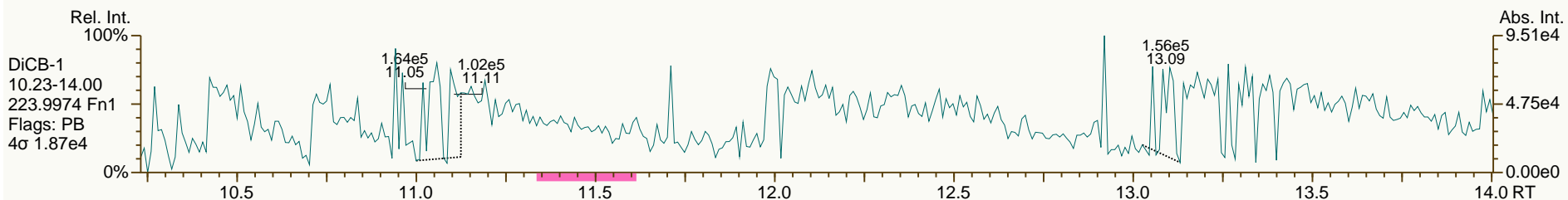
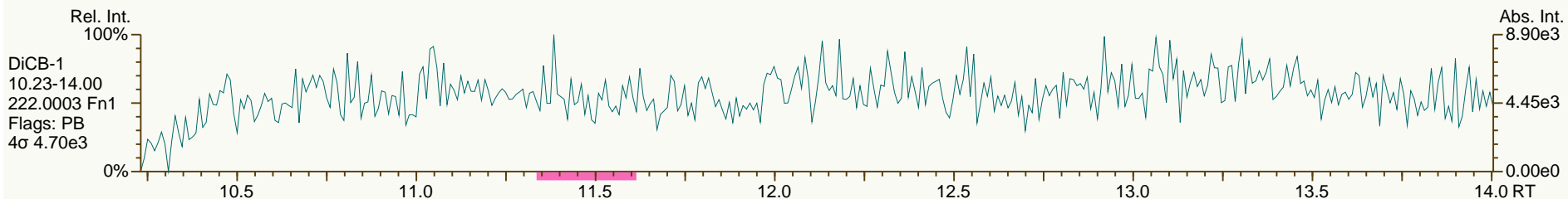
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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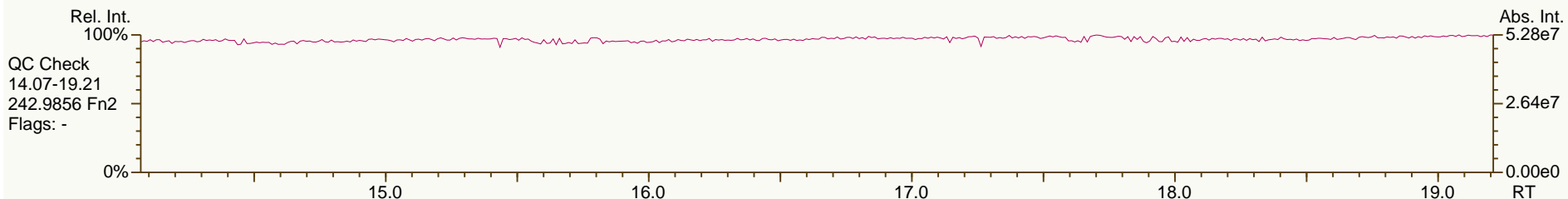
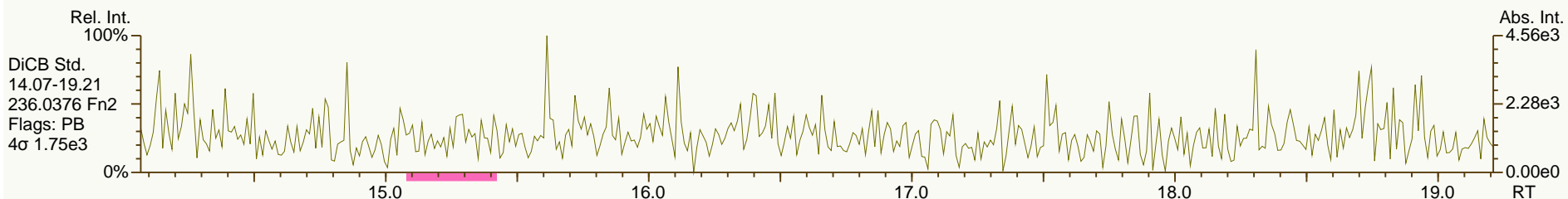
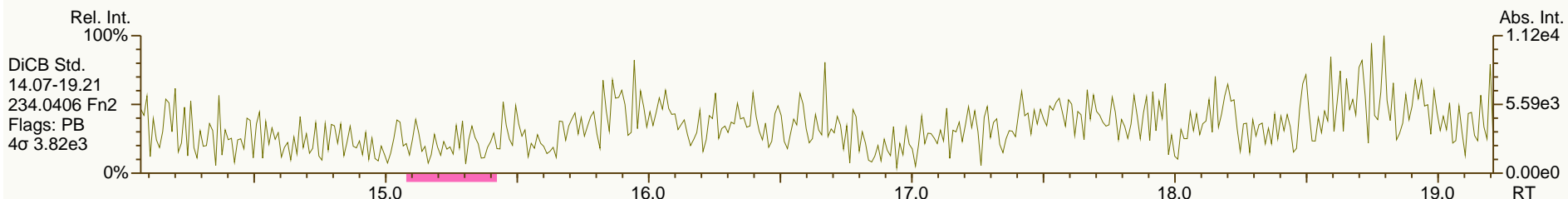
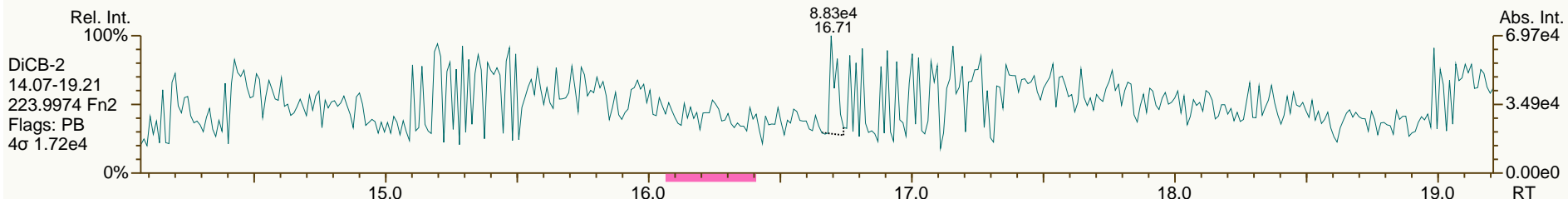
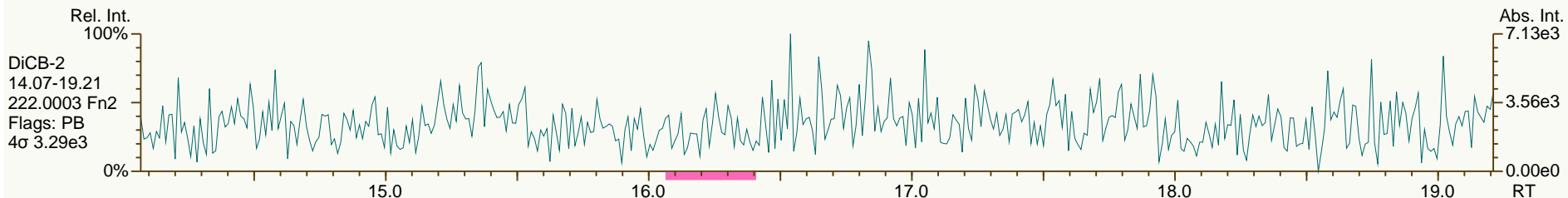
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

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AP Lab ID: SBS_120126_PCB_SD
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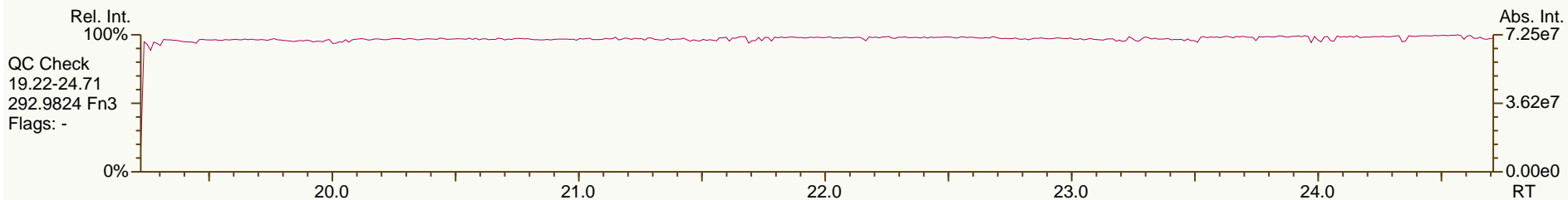
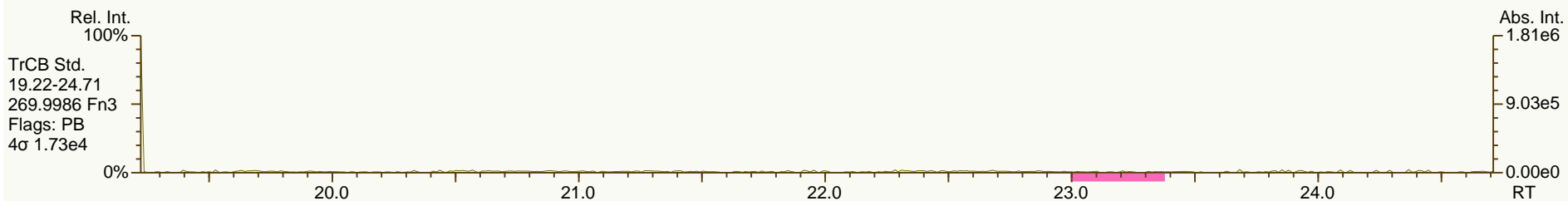
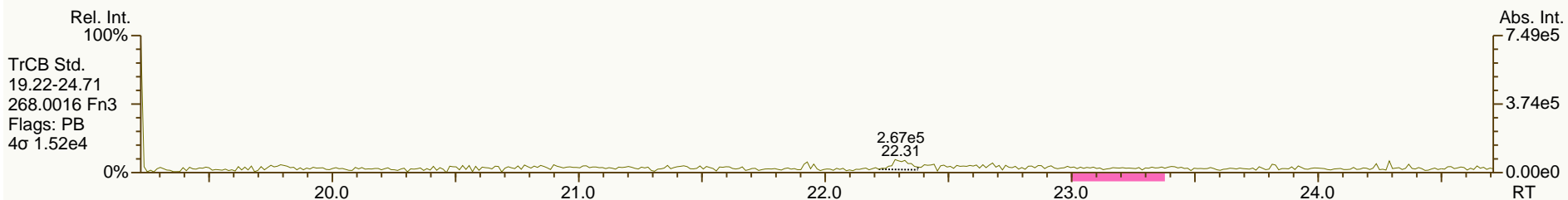
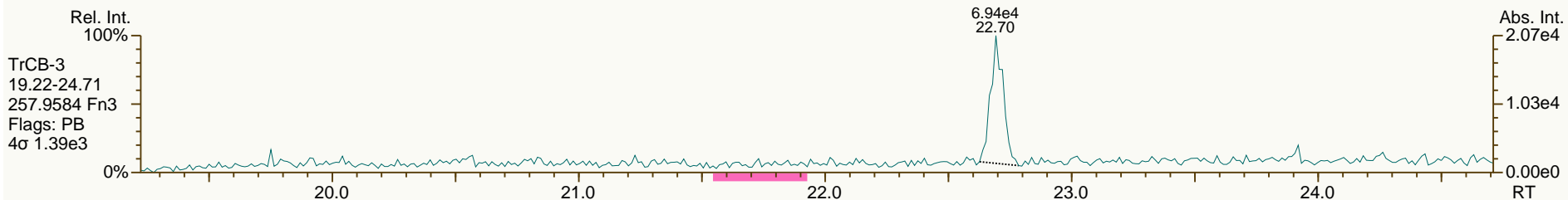
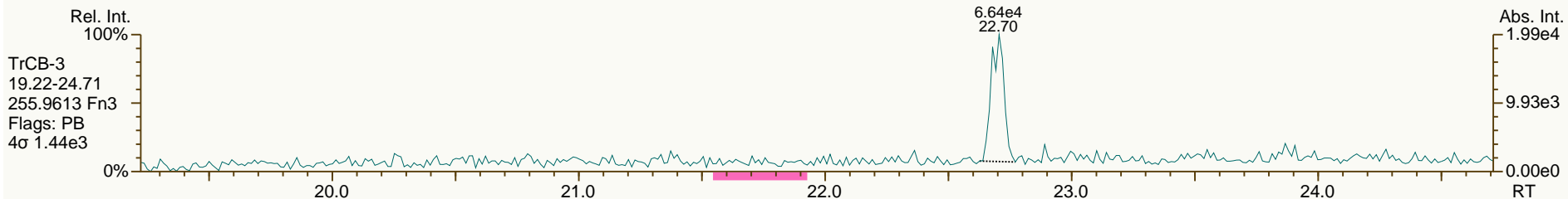
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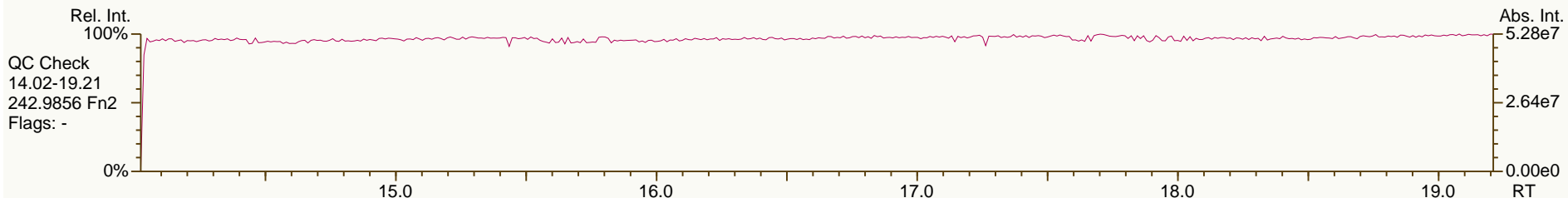
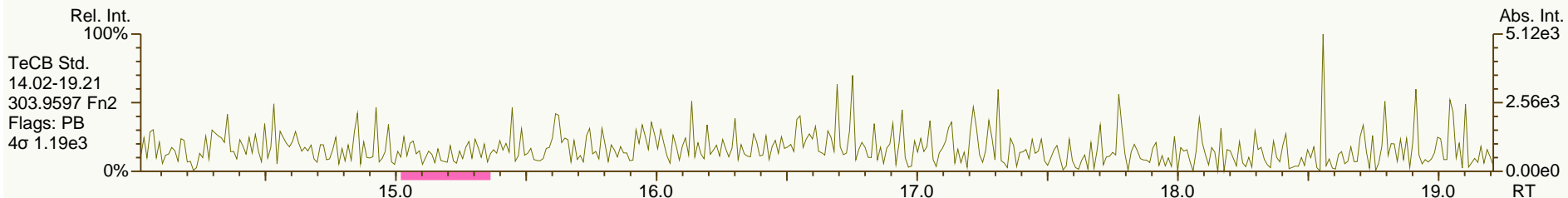
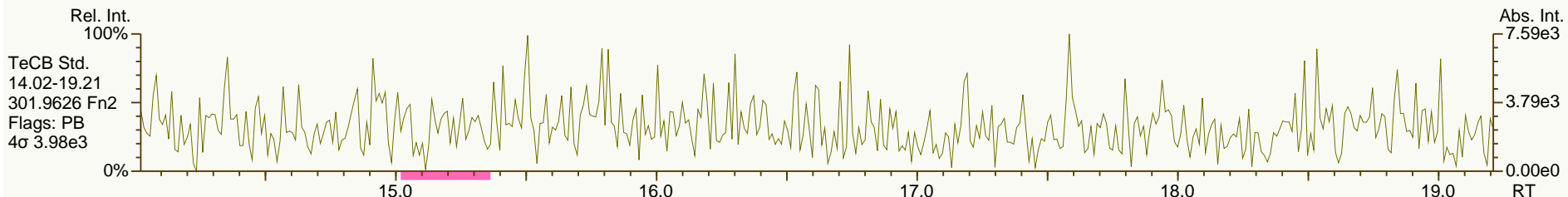
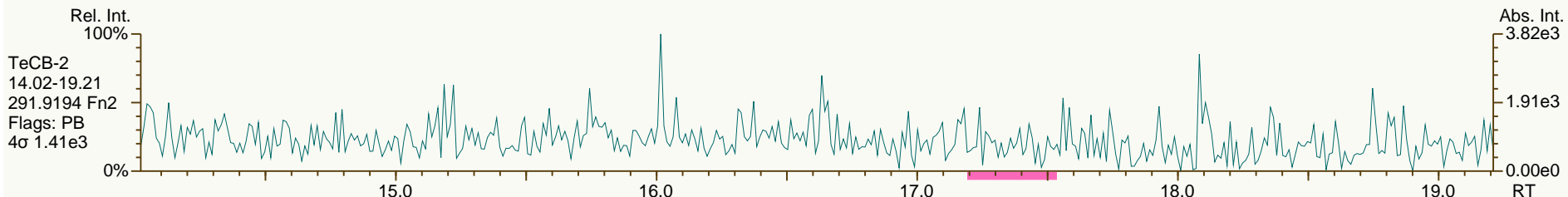
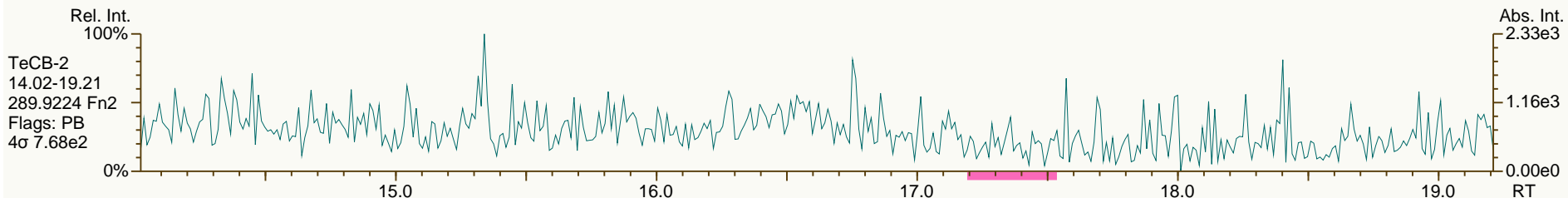
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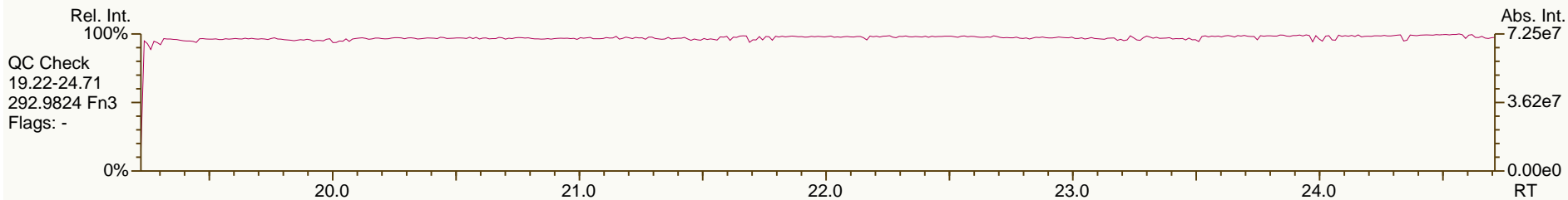
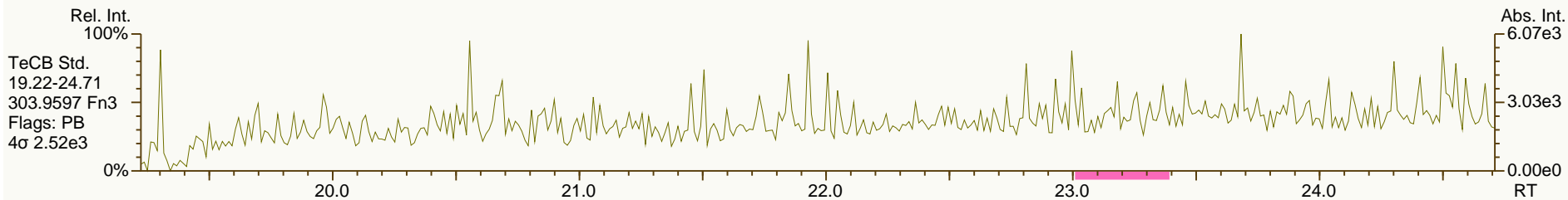
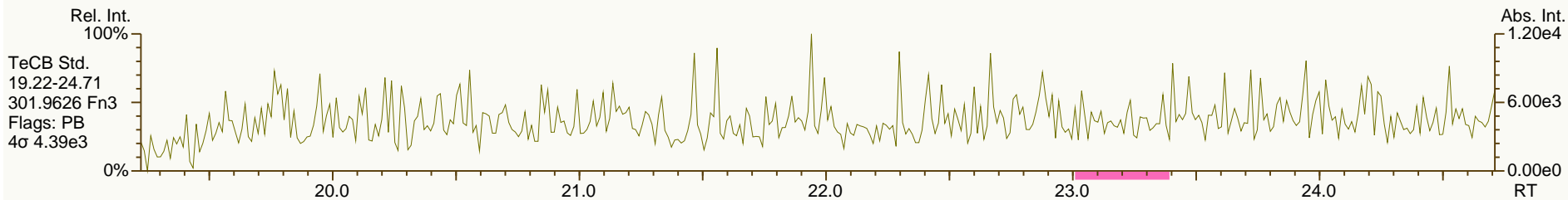
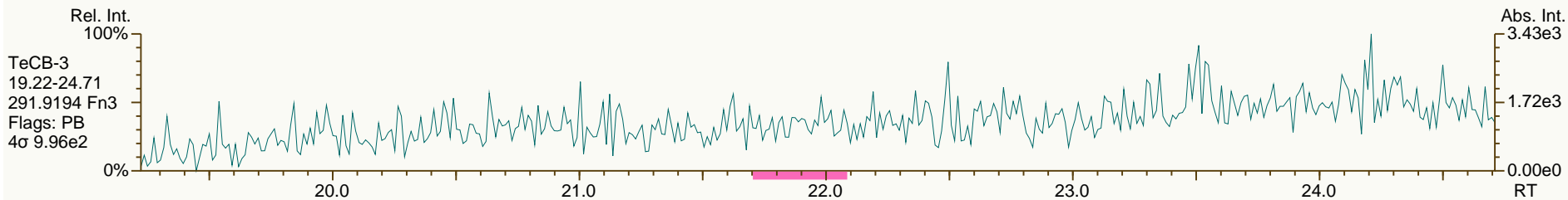
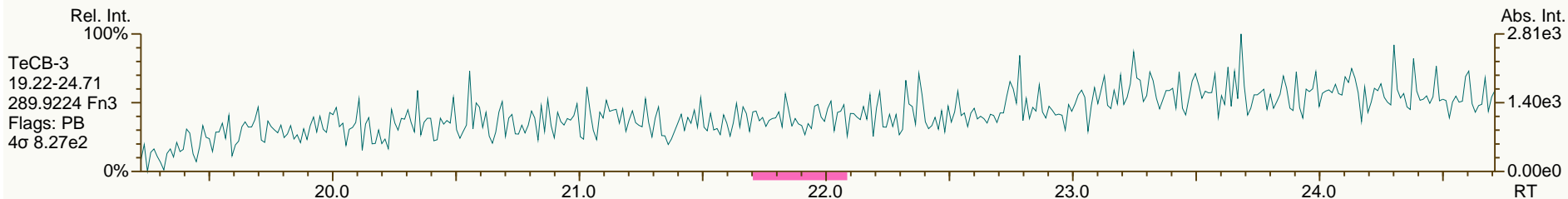
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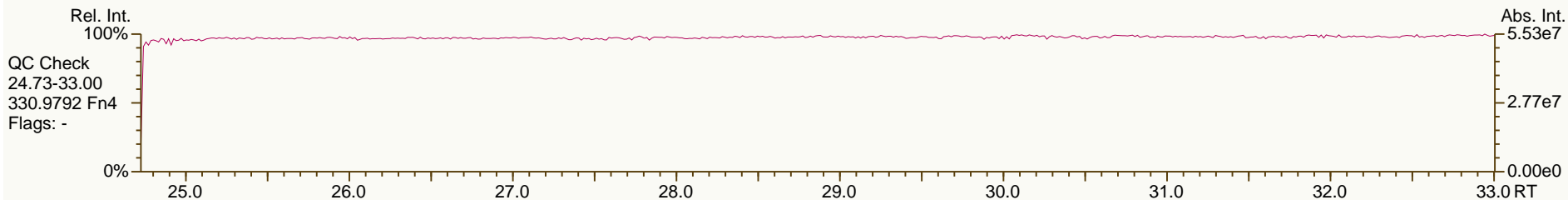
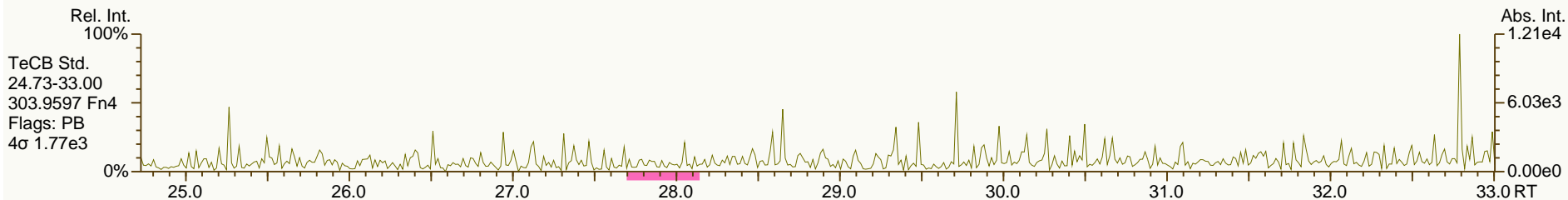
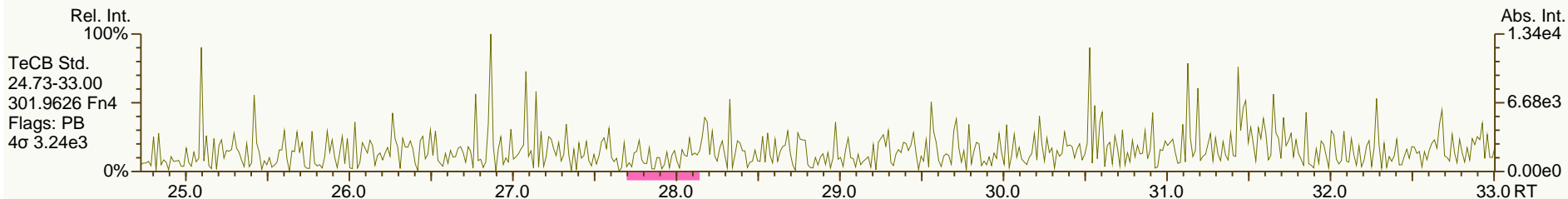
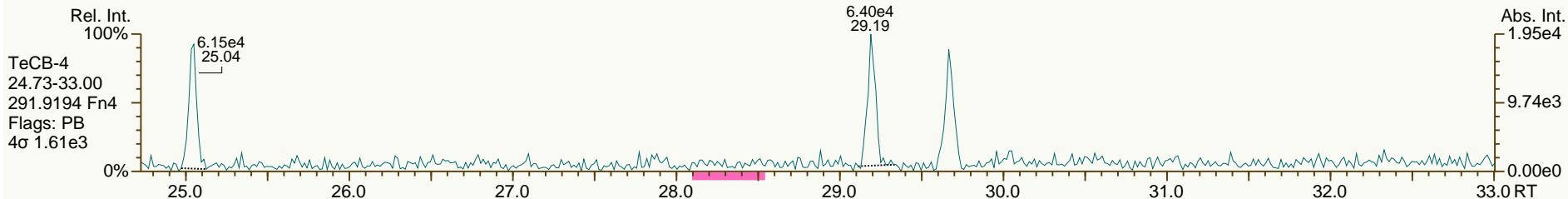
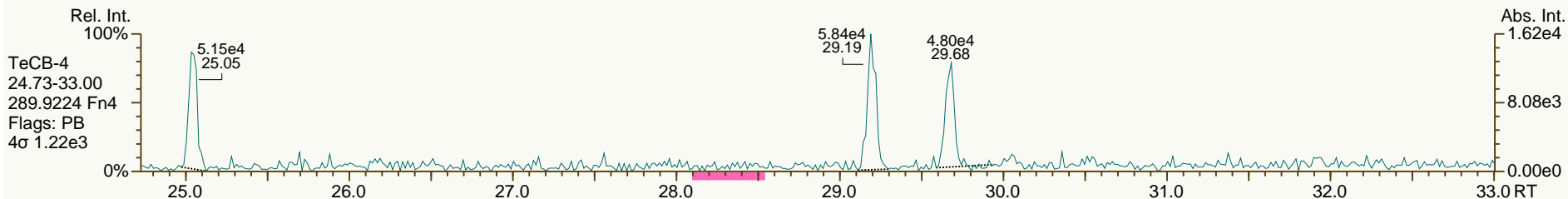
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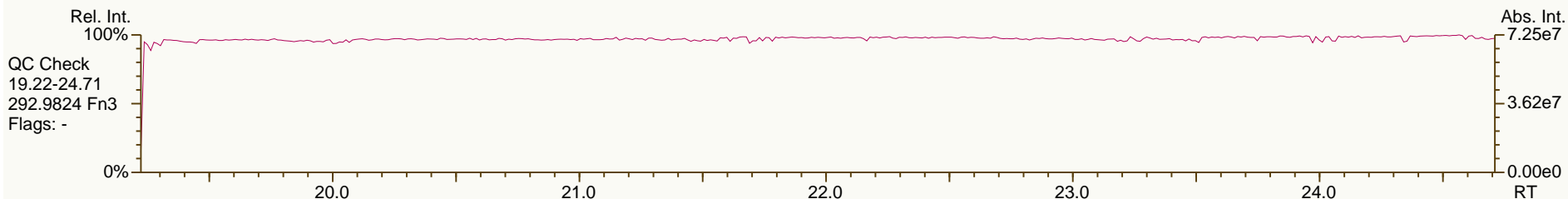
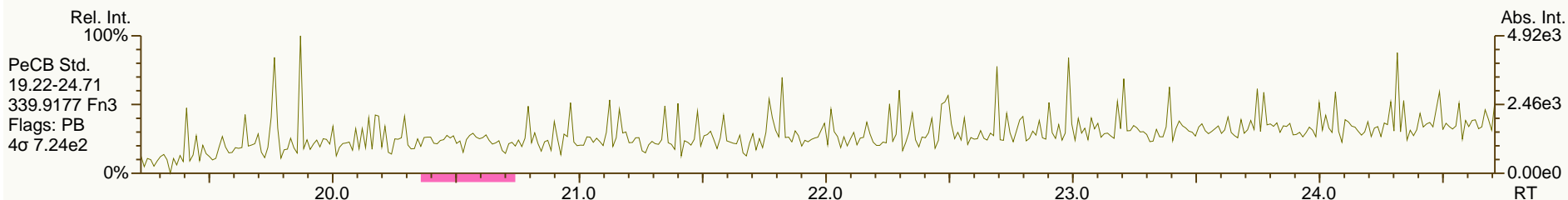
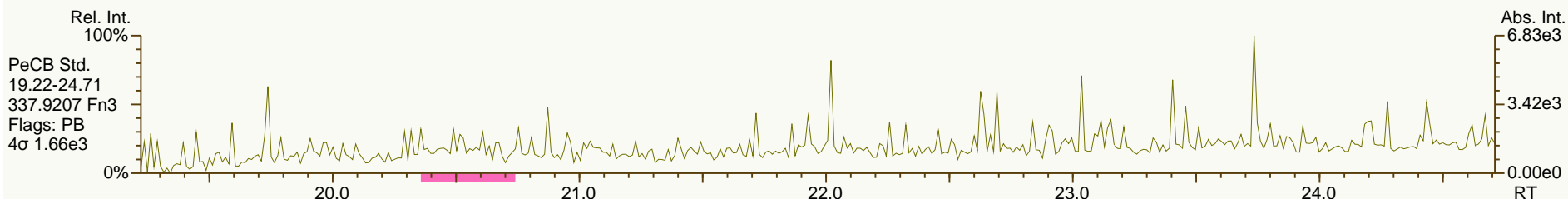
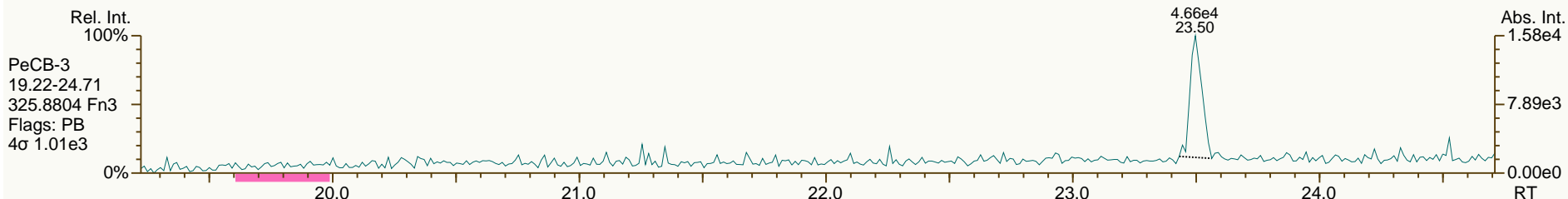
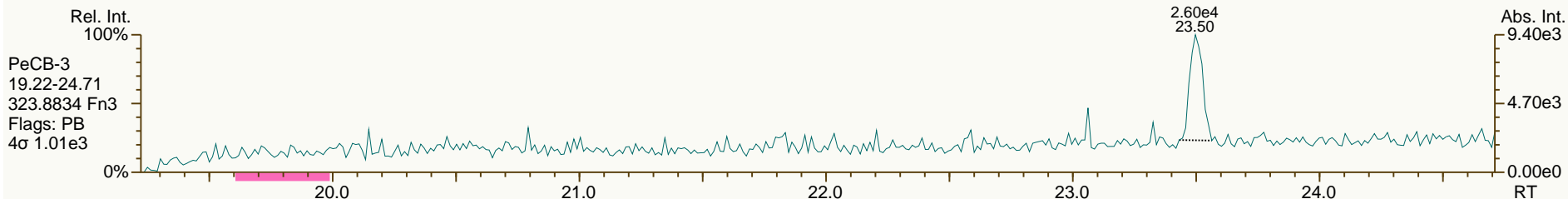
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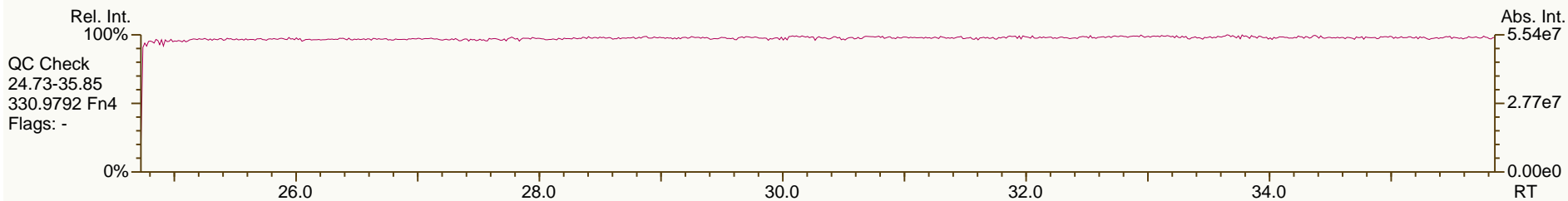
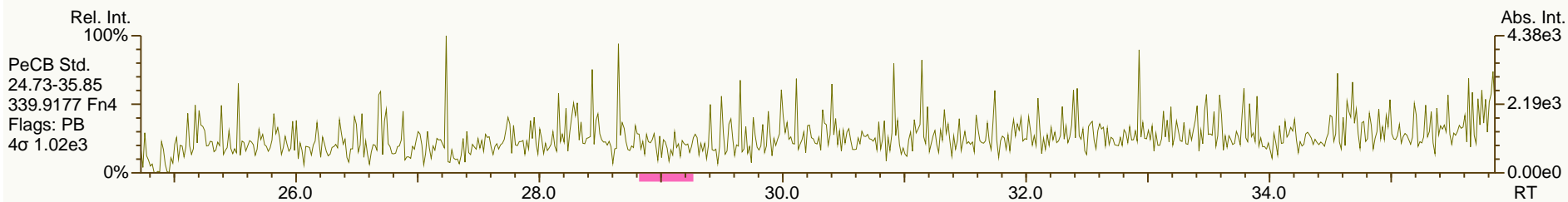
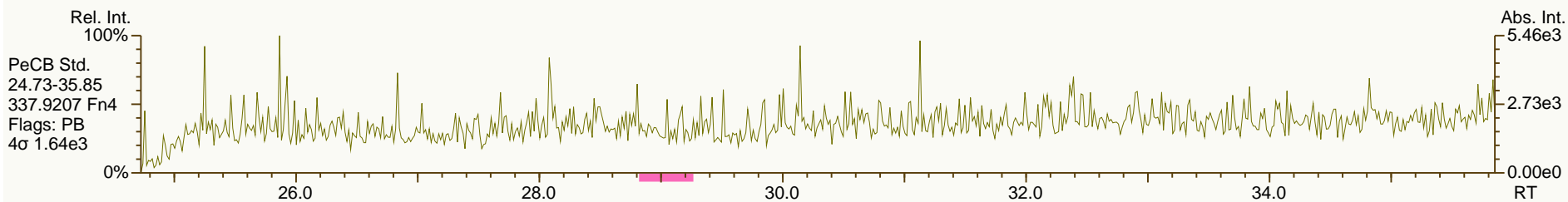
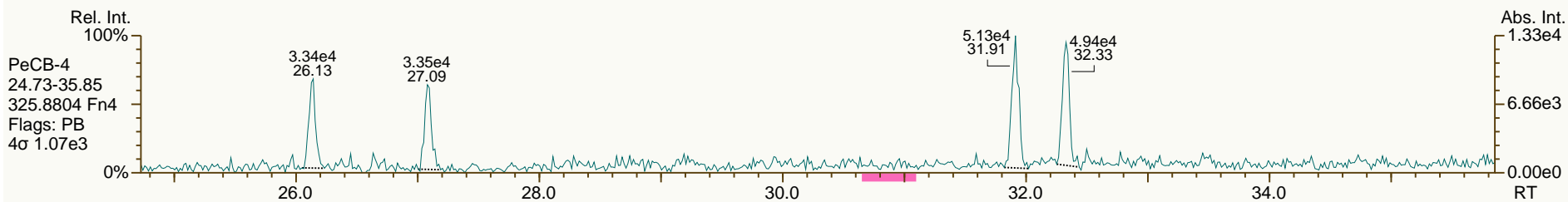
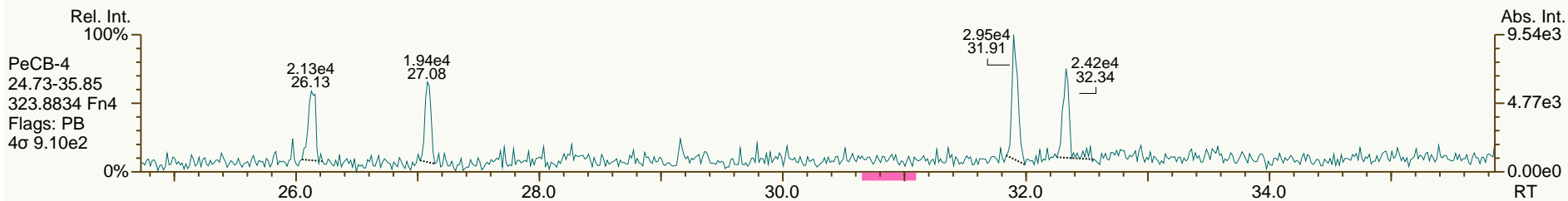
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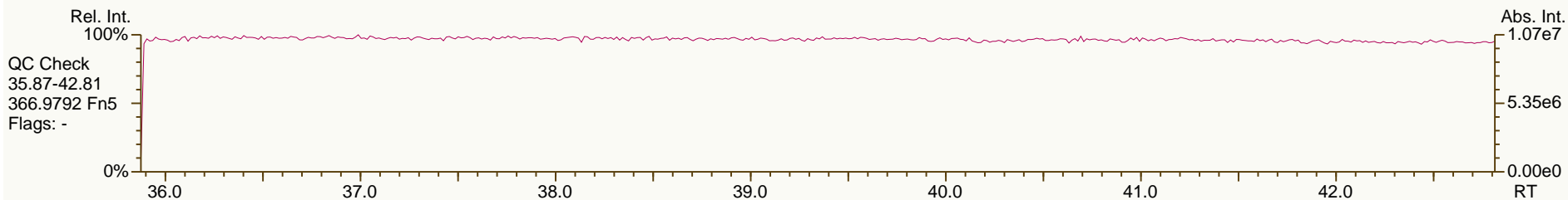
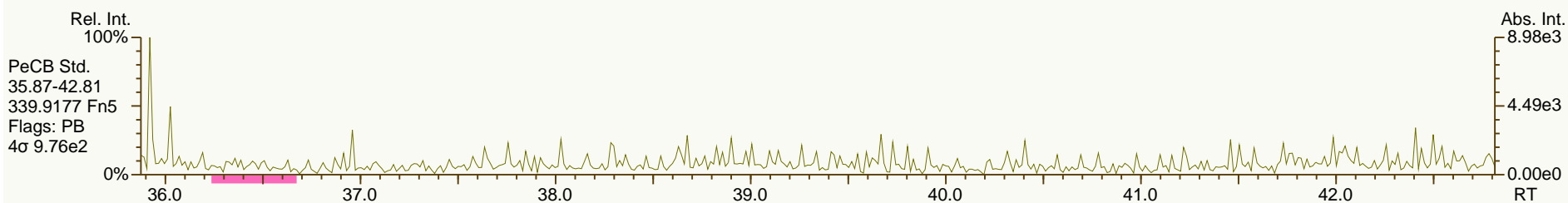
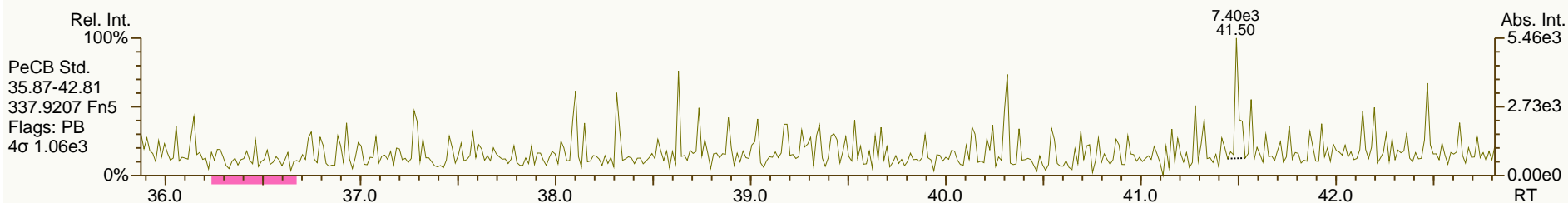
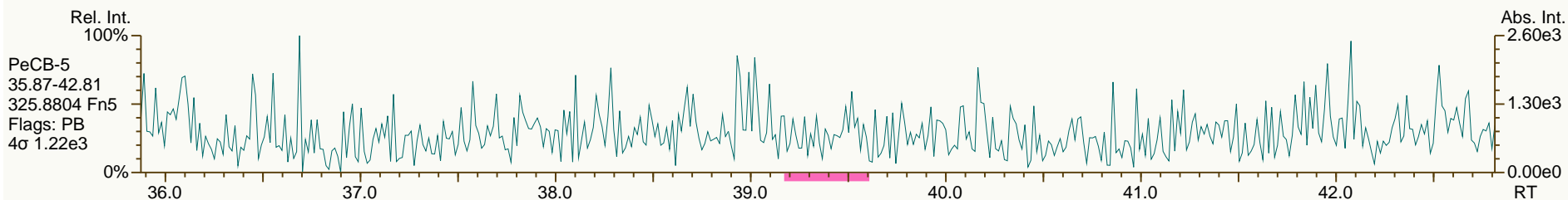
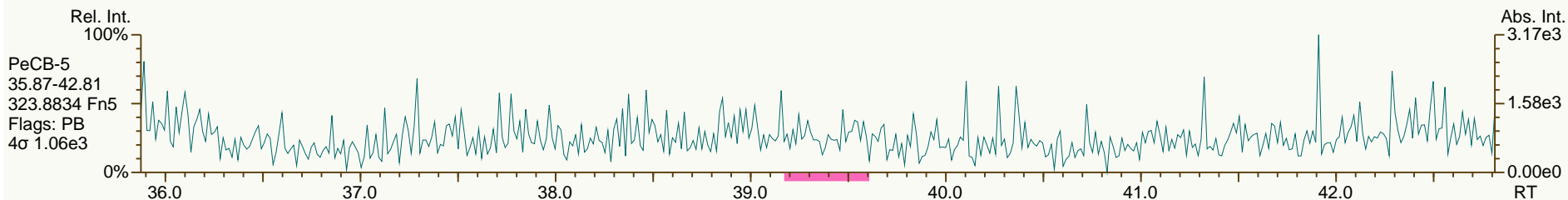
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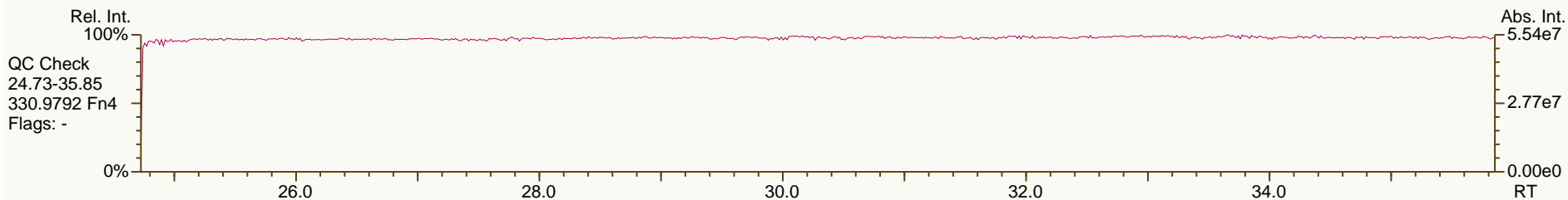
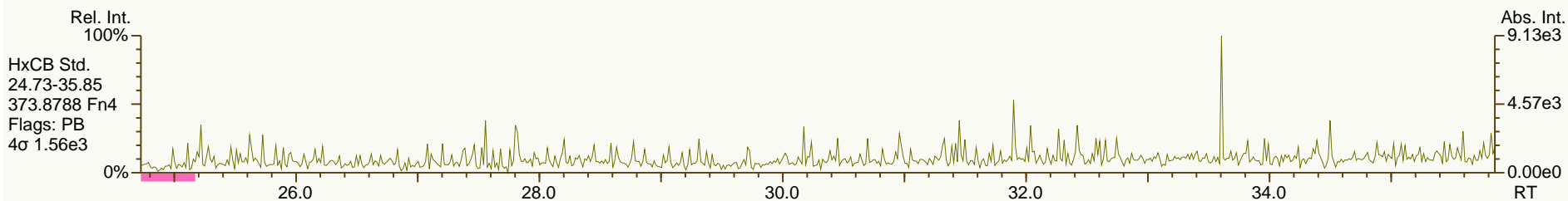
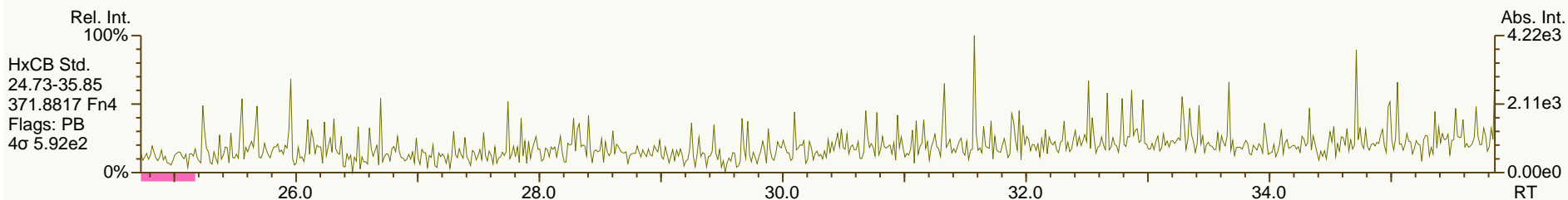
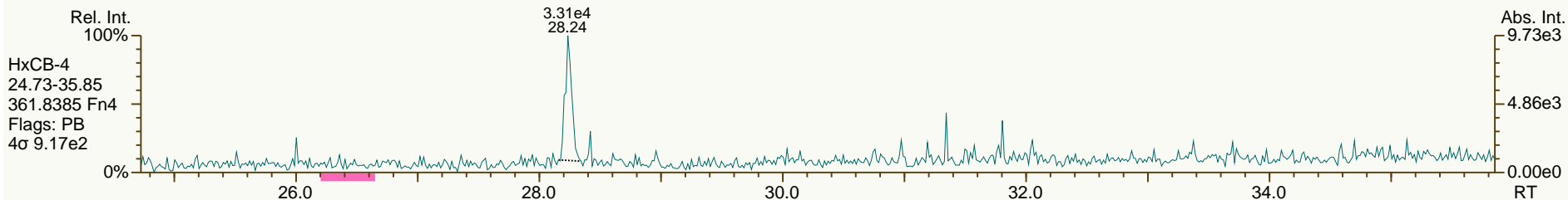
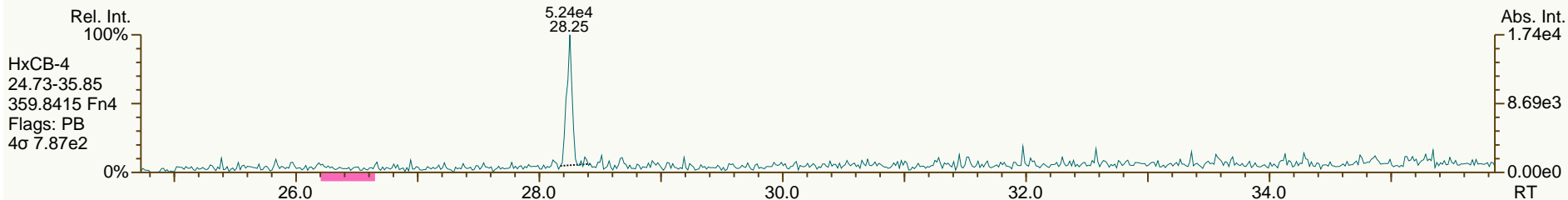
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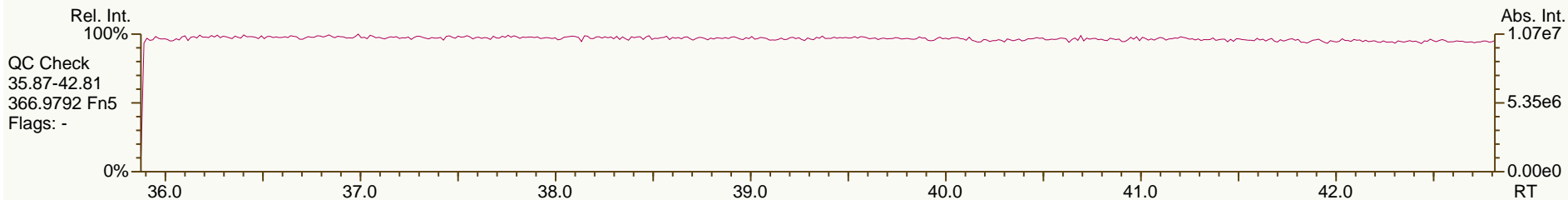
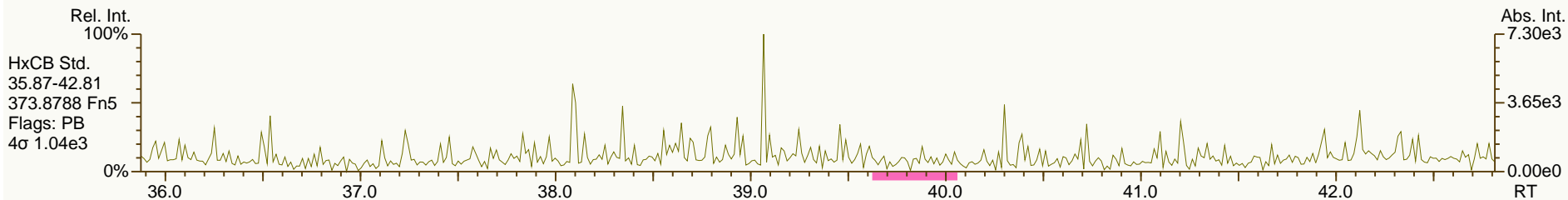
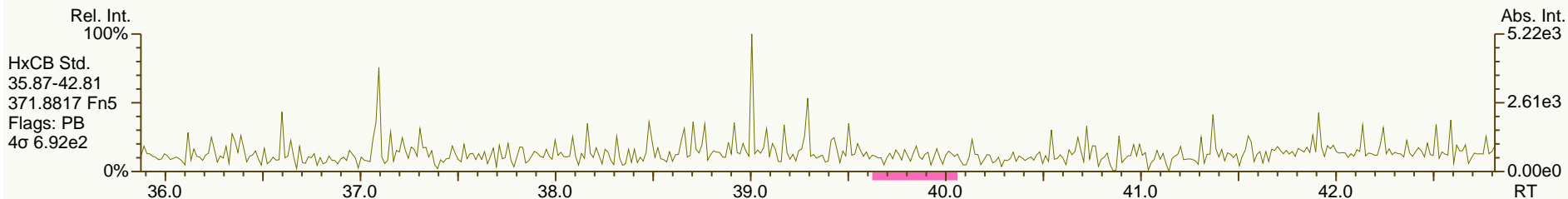
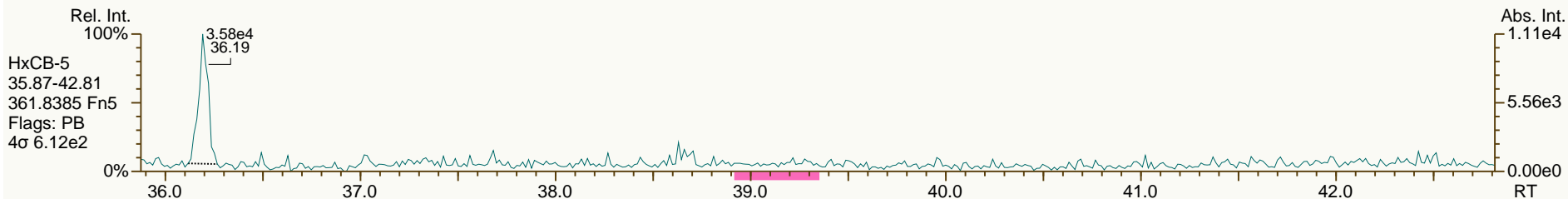
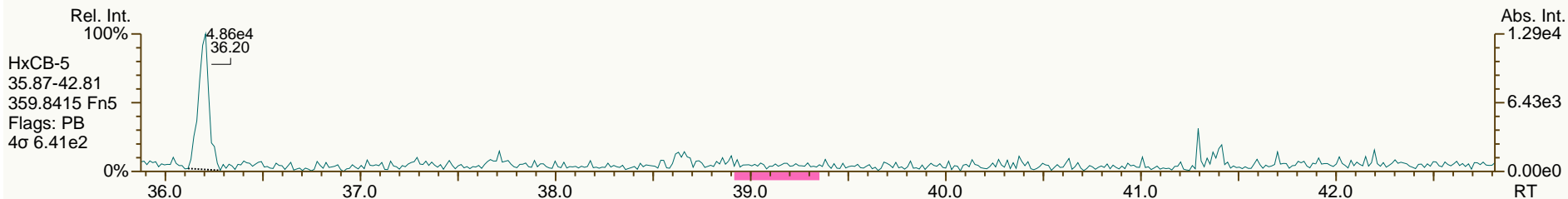
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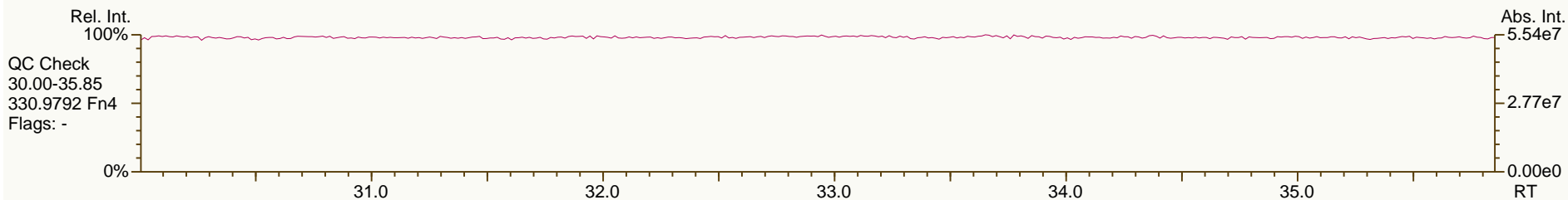
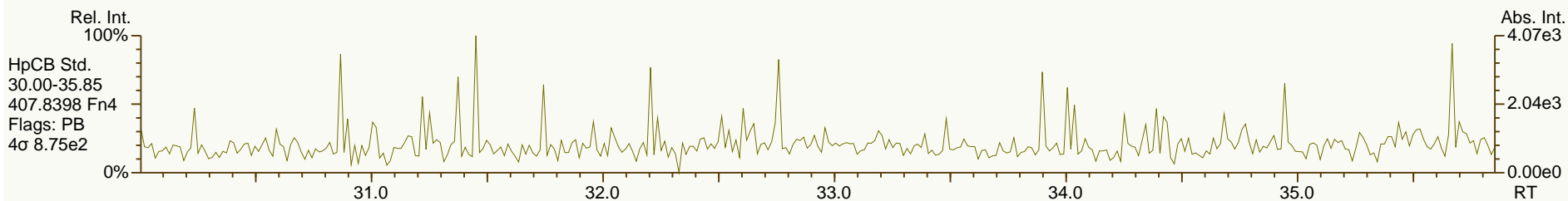
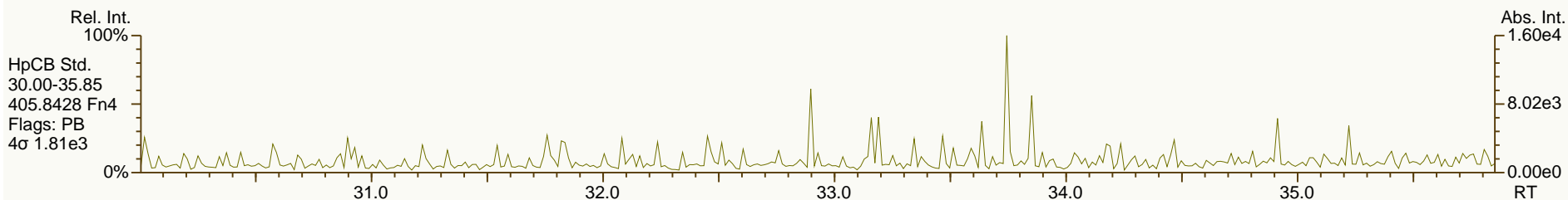
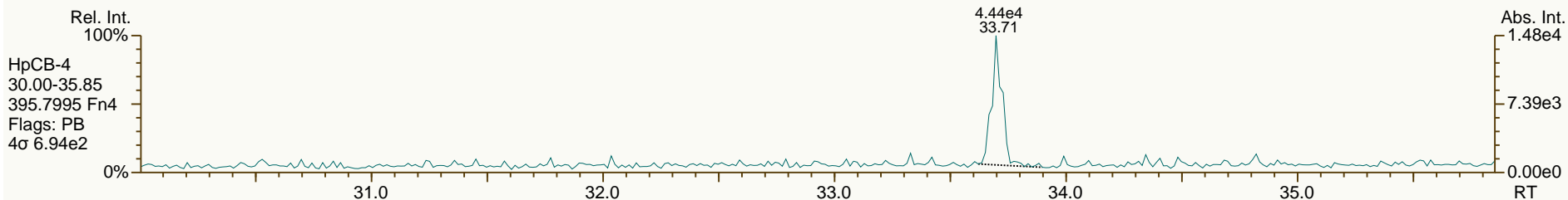
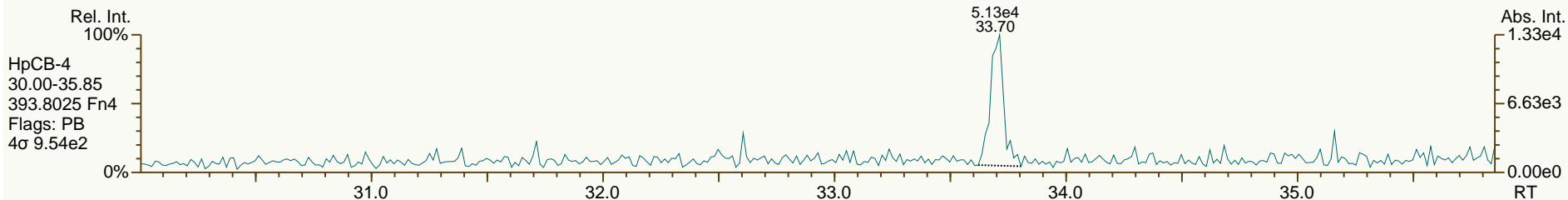
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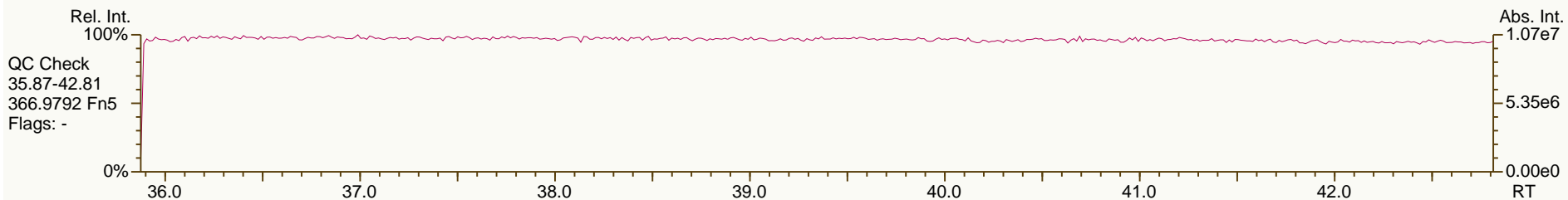
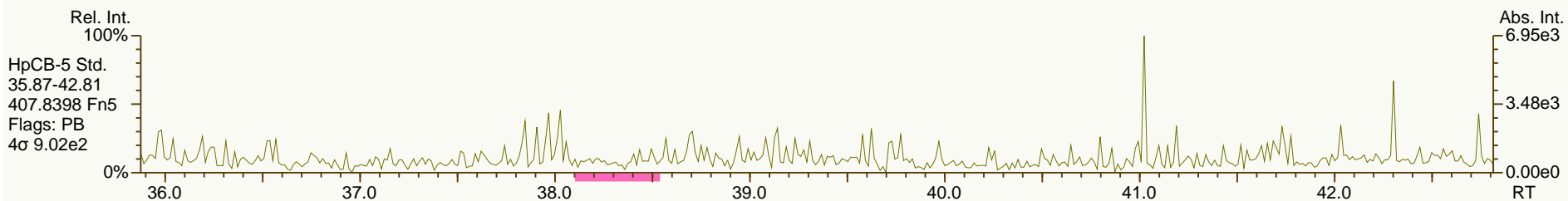
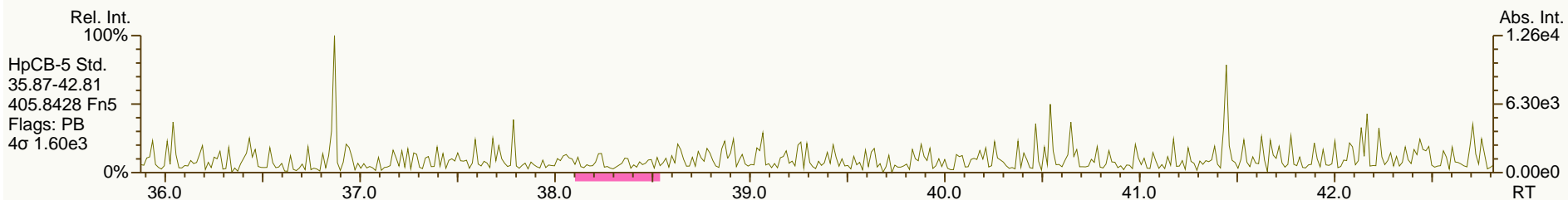
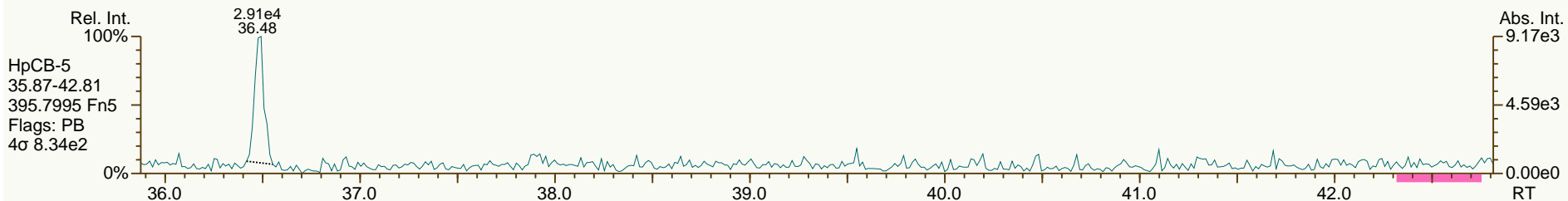
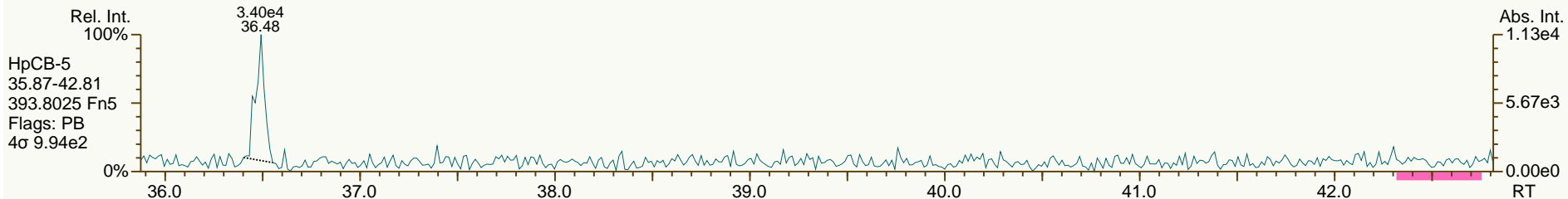
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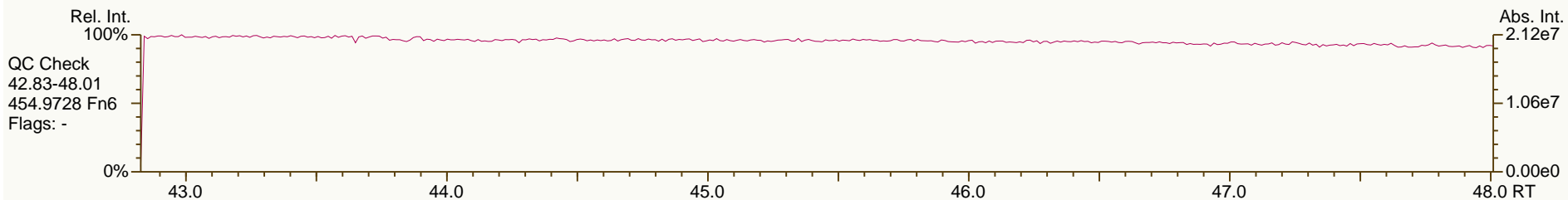
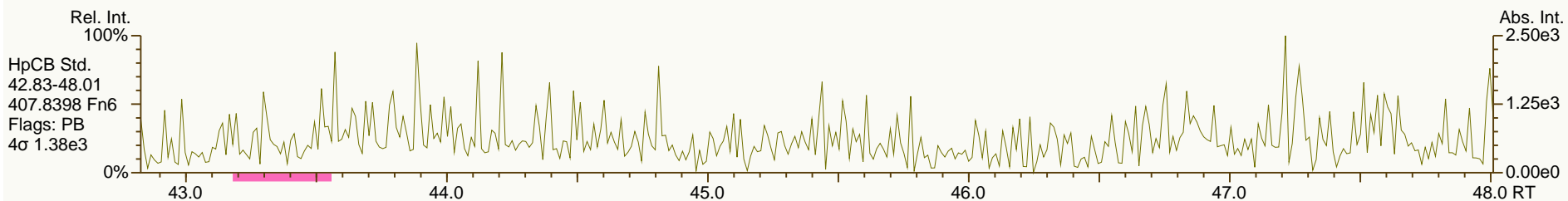
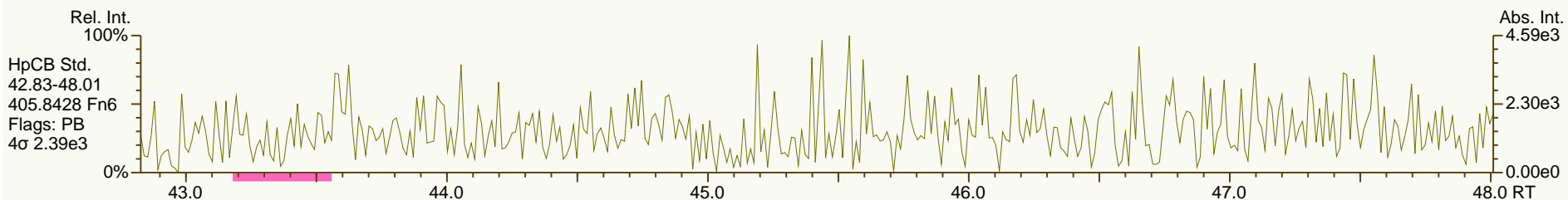
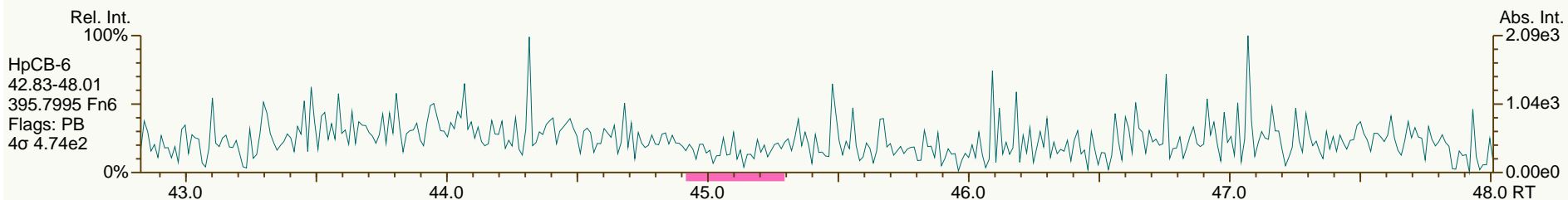
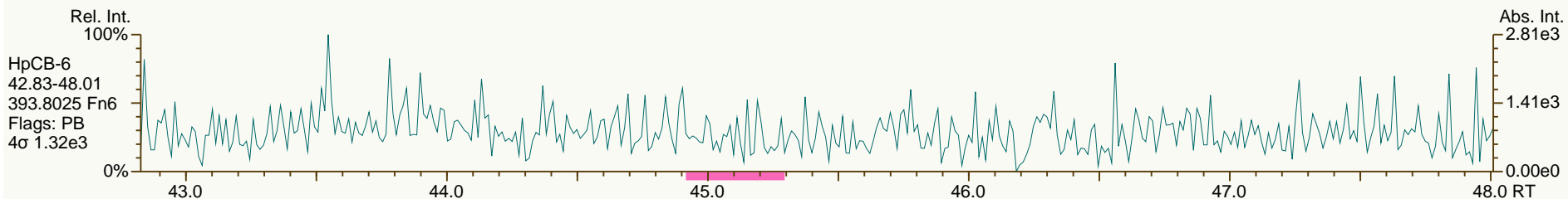
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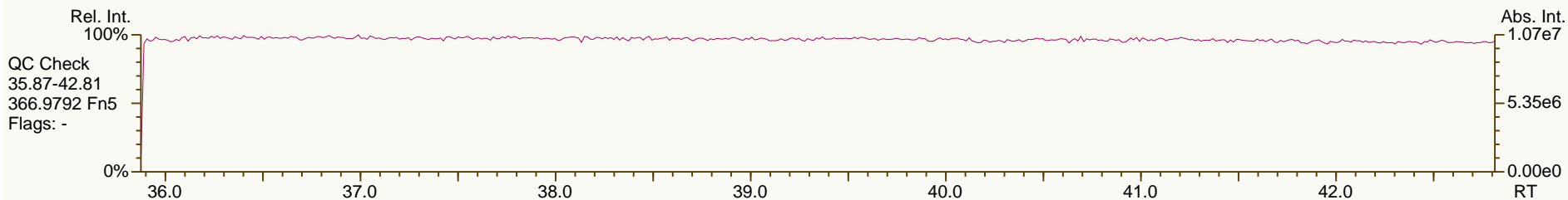
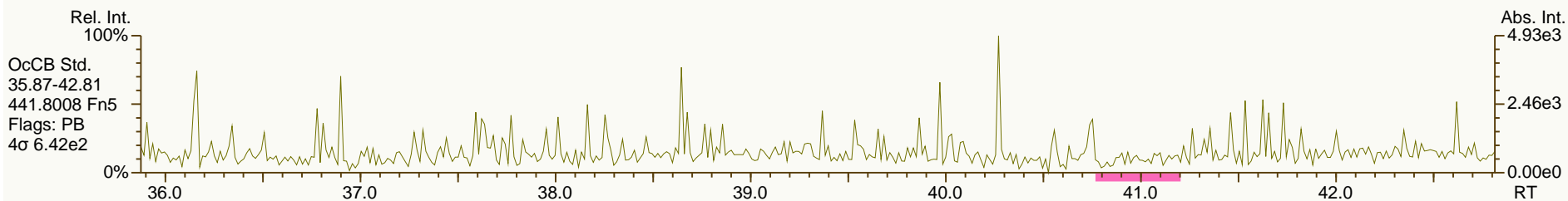
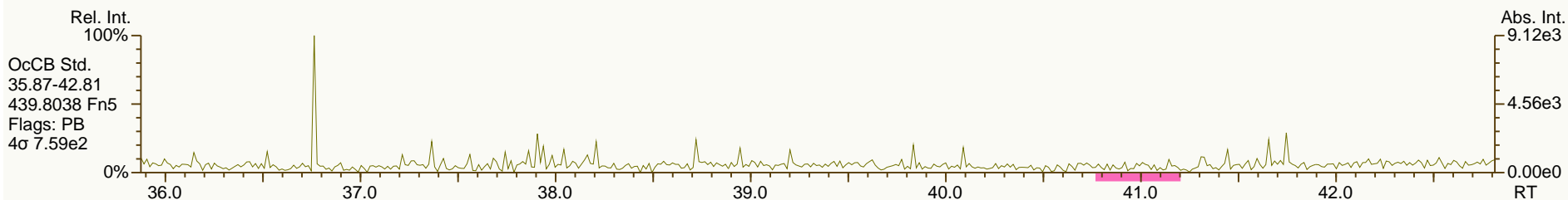
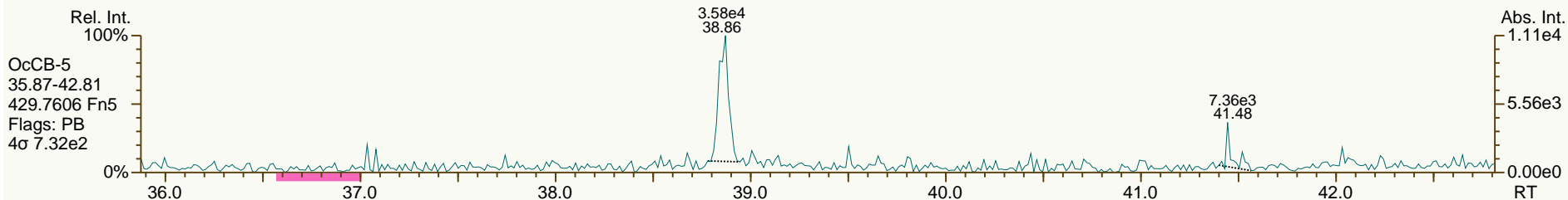
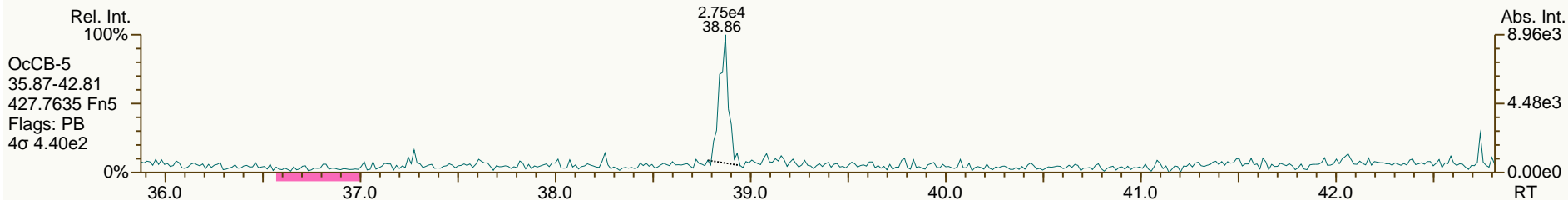
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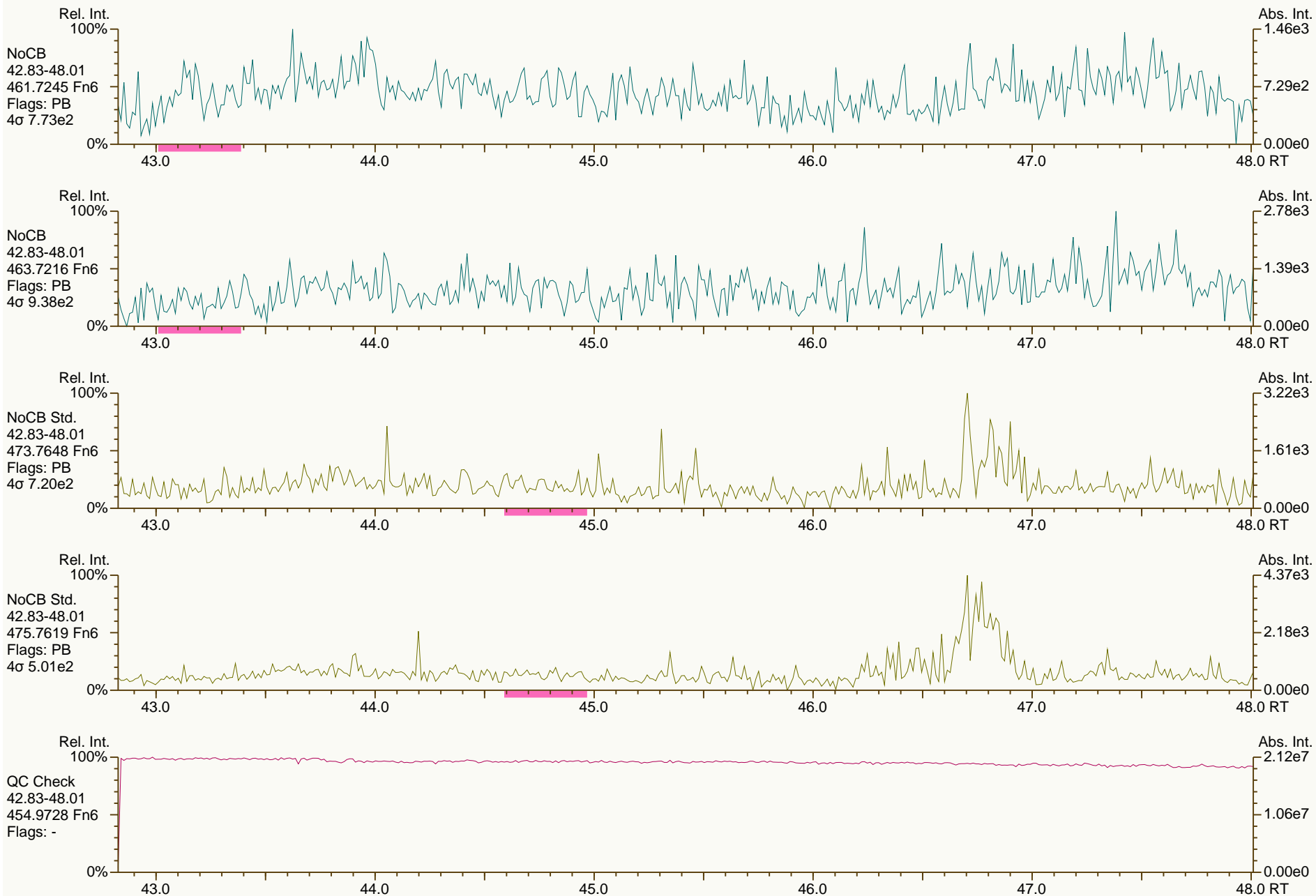
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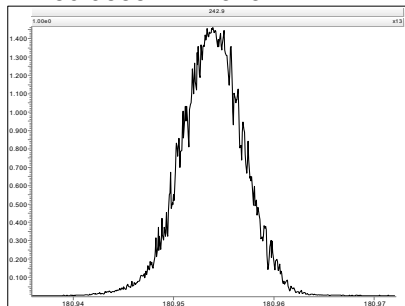
Experiment Calibration Report

MassLynx 4.1

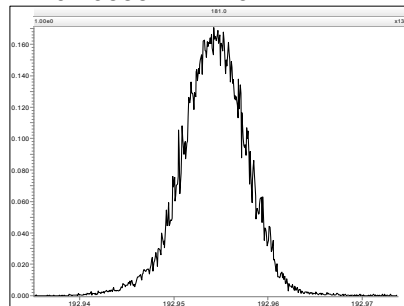
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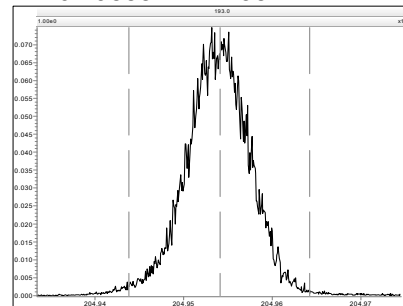
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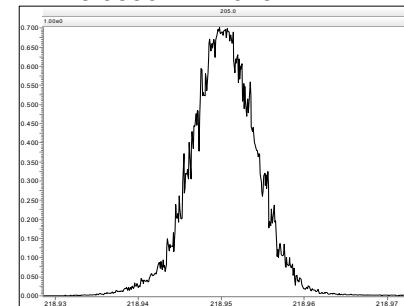
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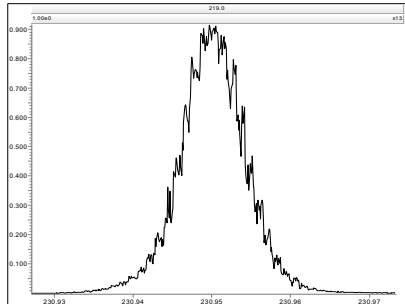
M 204.9888 R 11738



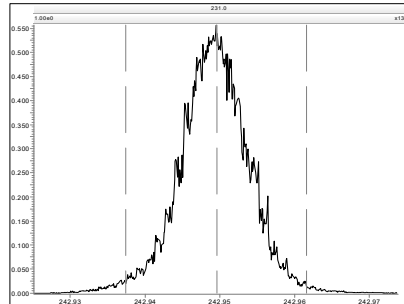
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



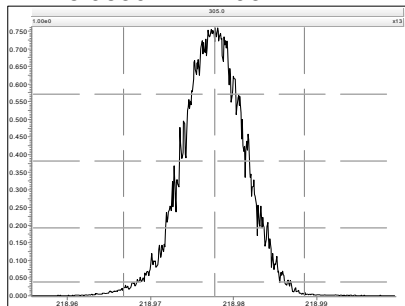
Experiment Calibration Report

MassLynx 4.1

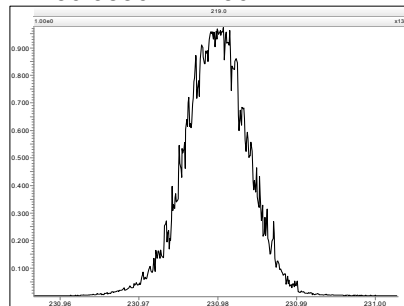
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 2 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

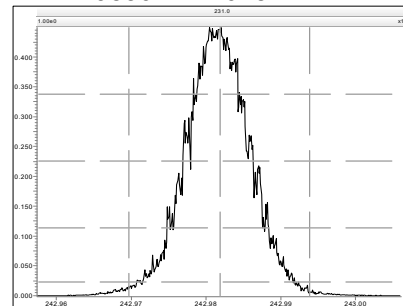
M 218.9856 R 12195



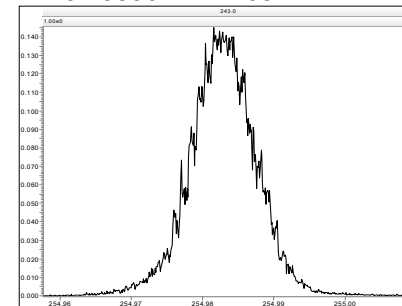
M 230.9856 R 12564



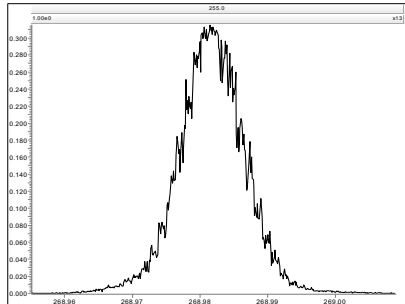
M 242.9856 R 12018



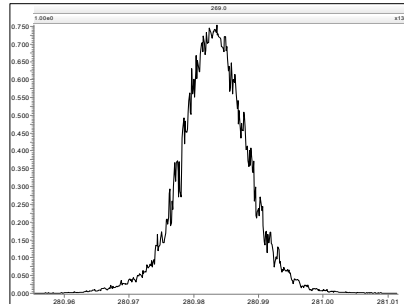
M 254.9856 R 11468



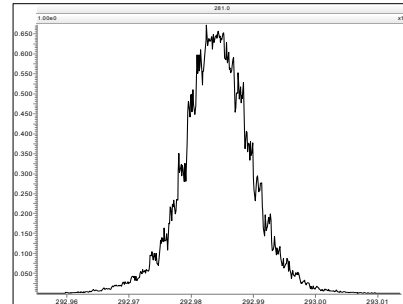
M 268.9824 R 11626



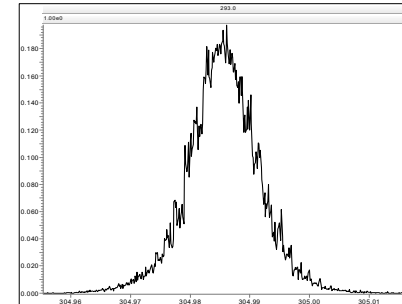
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



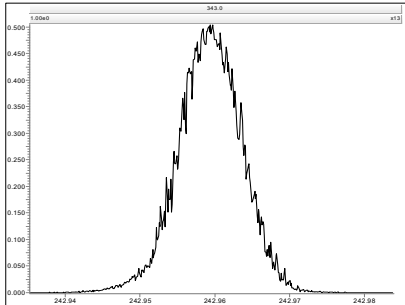
Experiment Calibration Report

MassLynx 4.1

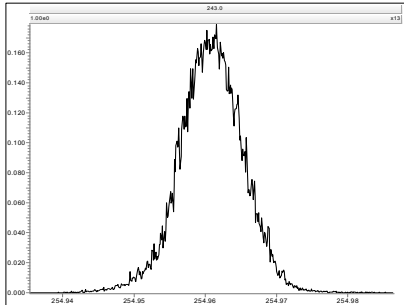
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Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

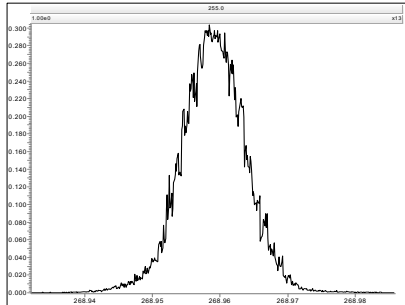
M 242.9856 R 12624



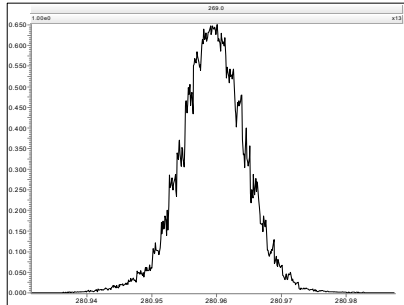
M 254.9856 R 12135



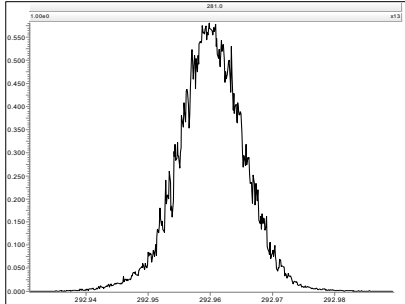
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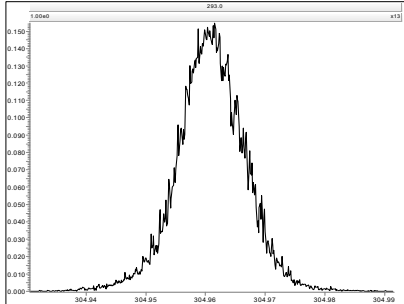
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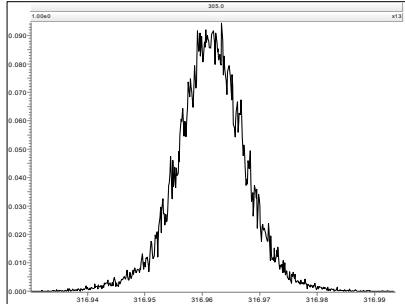
M 292.9824 R 11311



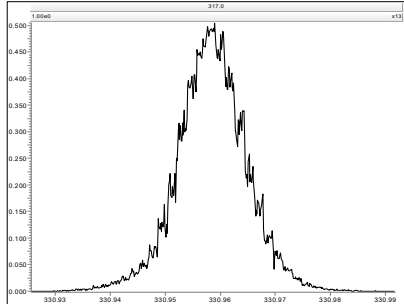
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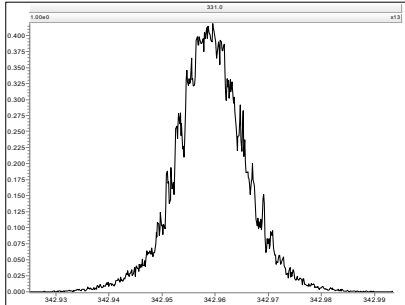
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



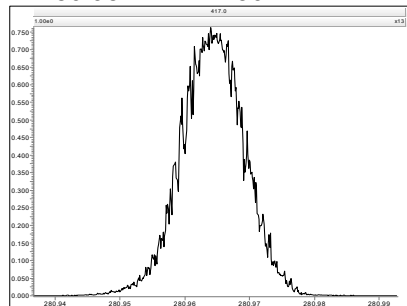
Experiment Calibration Report

MassLynx 4.1

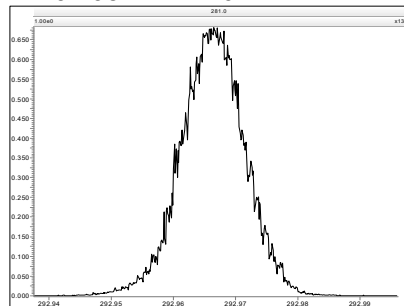
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 4 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

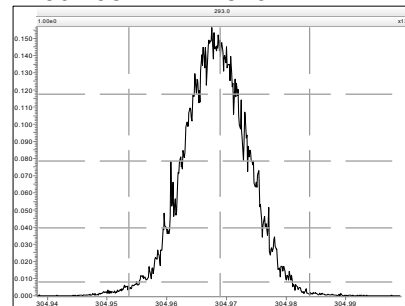
M 280.9824 R 12250



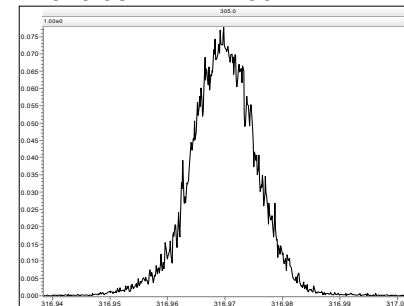
M 292.9824 R 12077



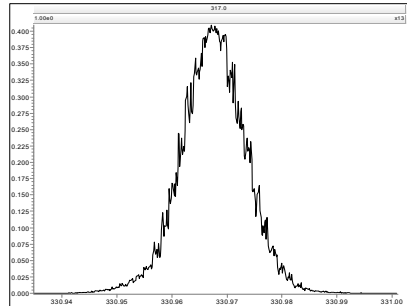
M 304.9824 R 11846



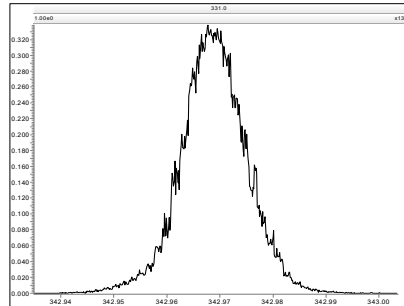
M 316.9824 R 12756



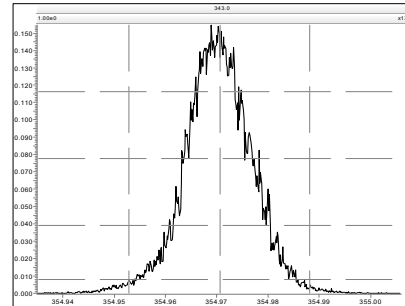
M 330.9792 R 11961



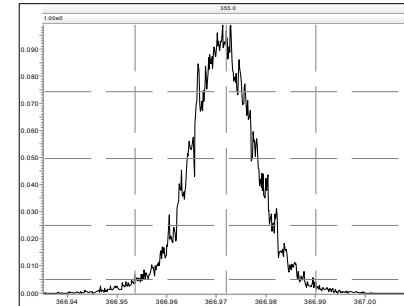
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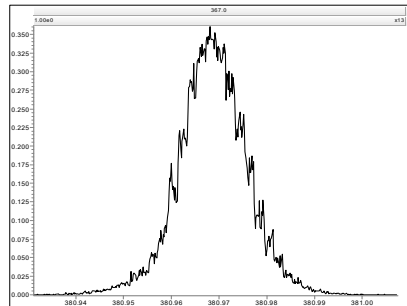
M 354.9792 R 11365



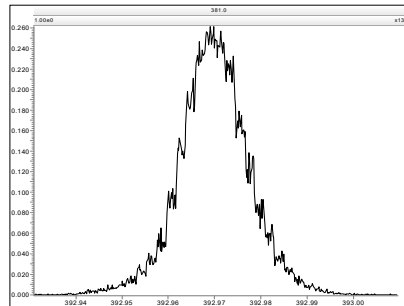
M 366.9792 R 11467



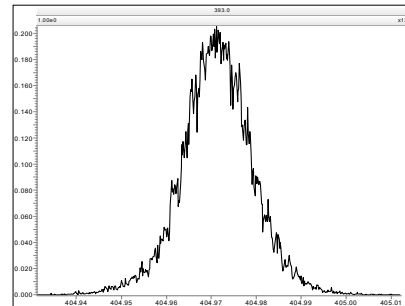
M 380.9760 R 11159



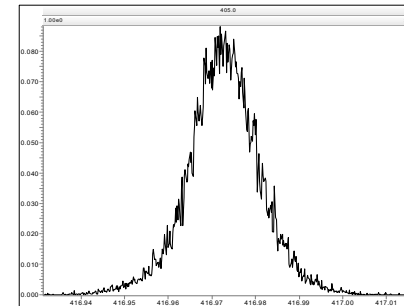
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



Experiment Calibration Report

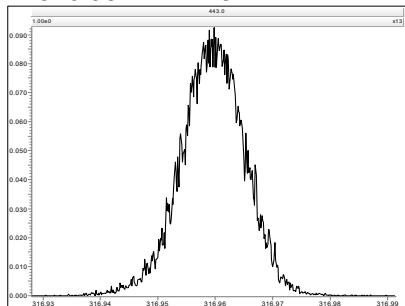
MassLynx 4.1

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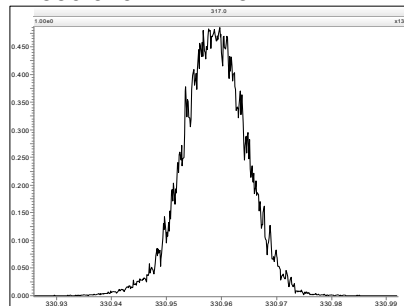
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 5 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

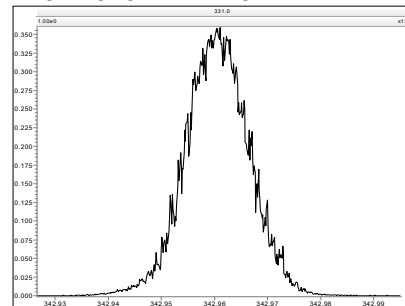
M 316.9824 R 12821



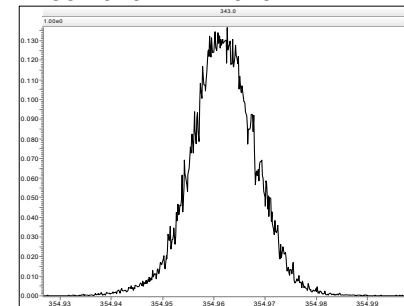
M 330.9792 R 12254



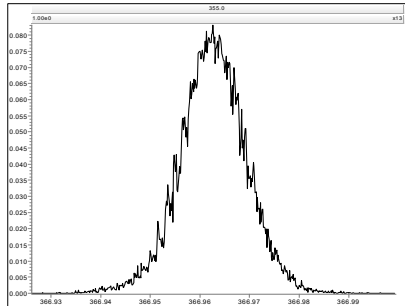
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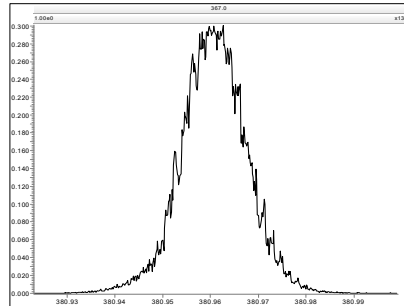
M 354.9792 R 11629



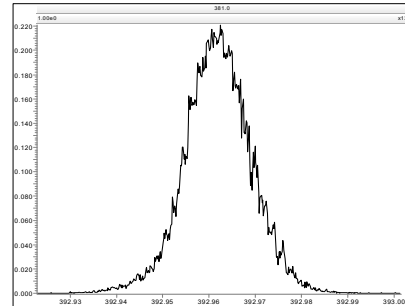
M 366.9792 R 11627



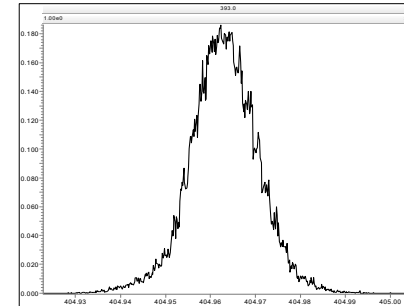
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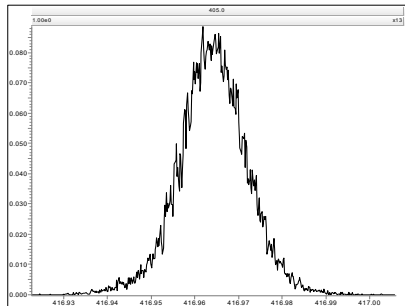
M 392.9760 R 11624



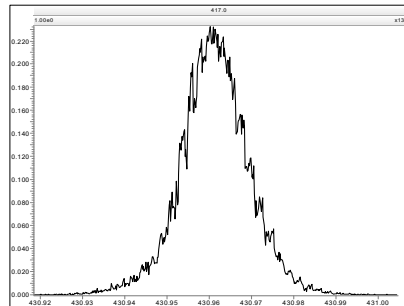
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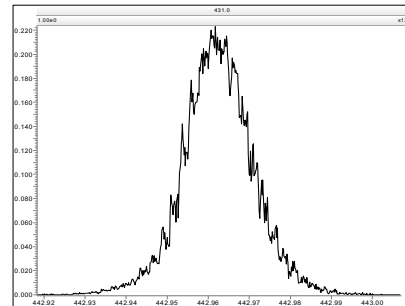
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



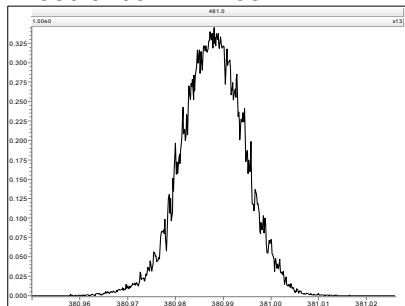
Experiment Calibration Report

MassLynx 4.1

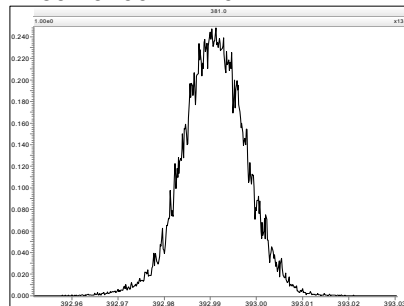
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

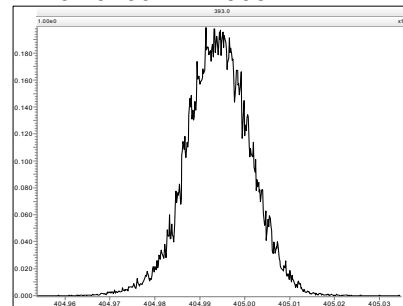
M 380.9760 R 12499



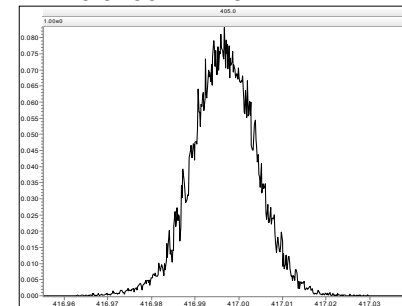
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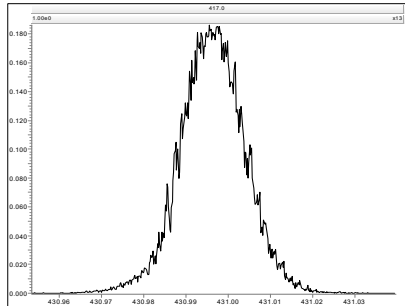
M 404.9760 R 11905



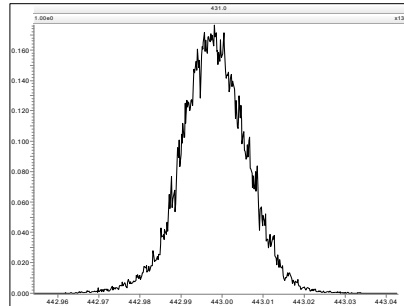
M 416.9760 R 12314



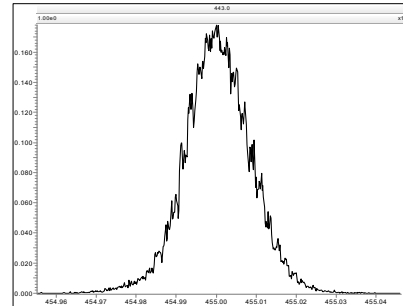
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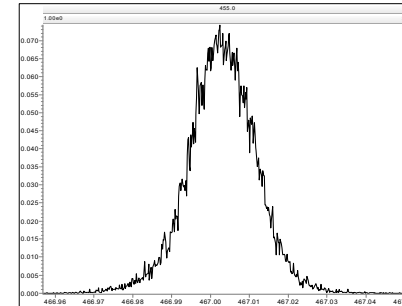
M 442.9728 R 11574



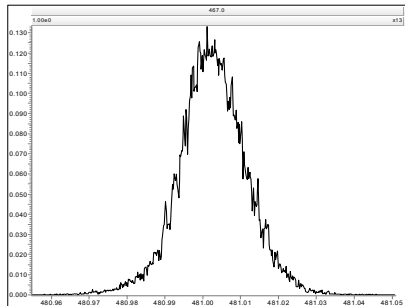
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



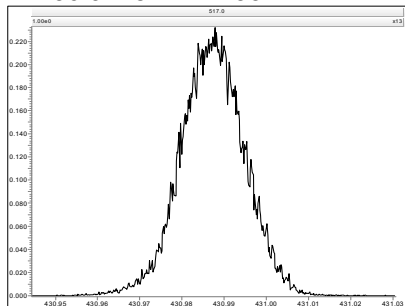
Experiment Calibration Report

MassLynx 4.1

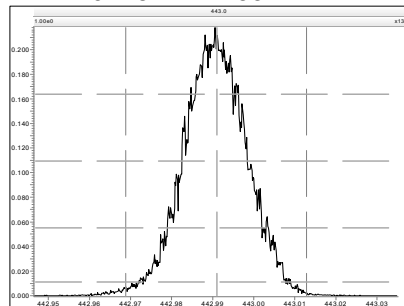
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 7 @ 200 (ppm)

Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

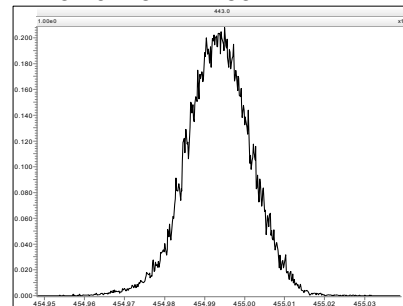
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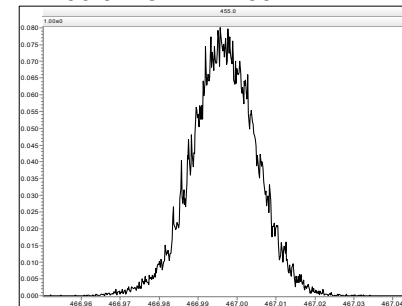
M 442.9728 R 12755



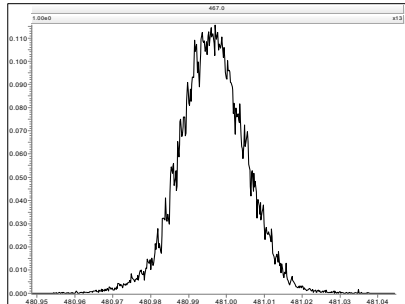
M 454.9728 R 11851



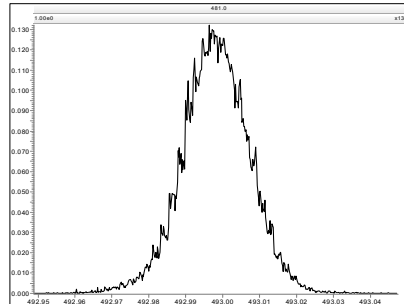
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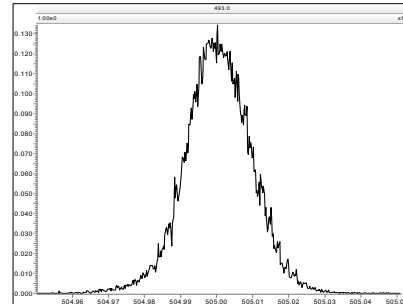
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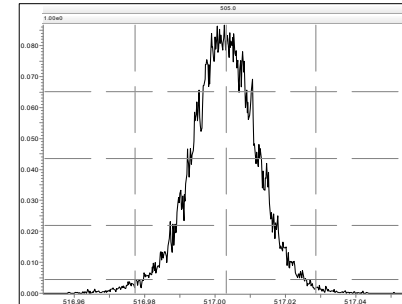
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M 504.9696 R 11469



M 516.9697 R 11306

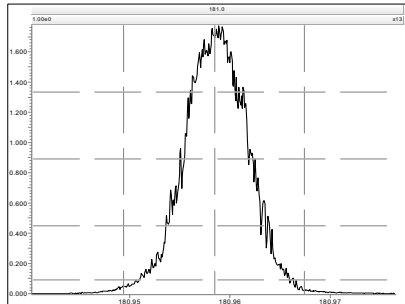


Resolution Check Report

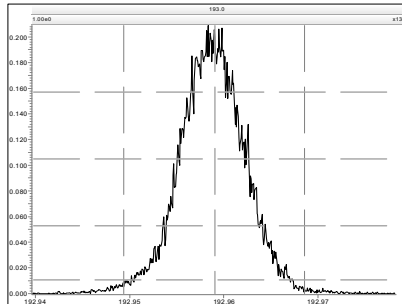
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

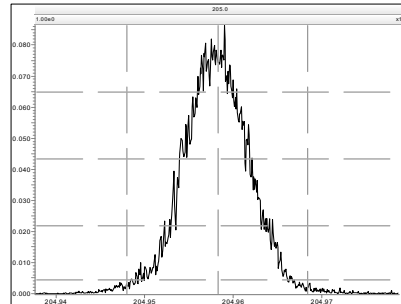
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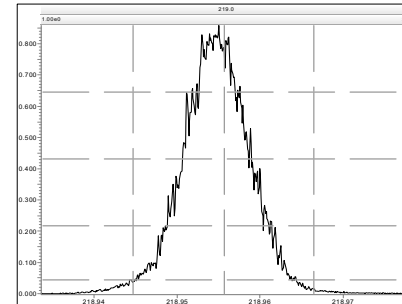
M 192.9888 R 11627



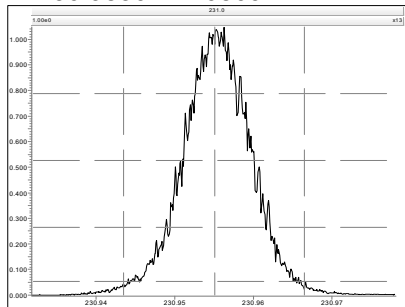
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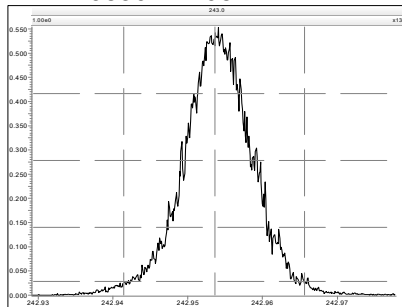
M 218.9856 R 11547



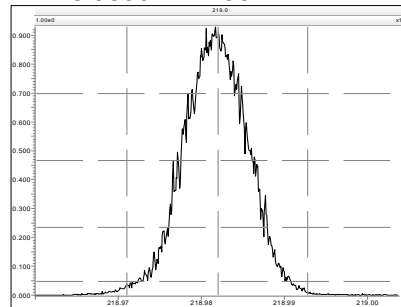
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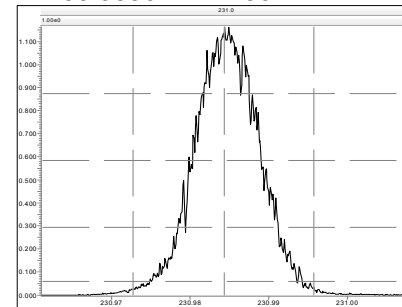
M 242.9856 R 10827



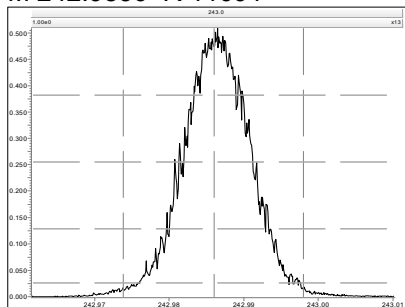
M 218.9856 R 11962



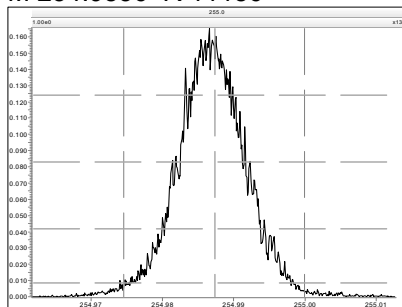
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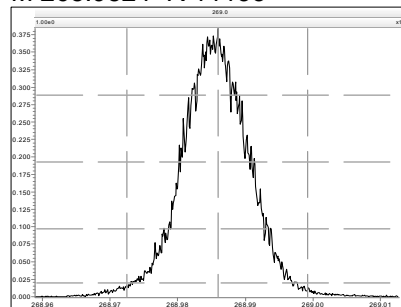
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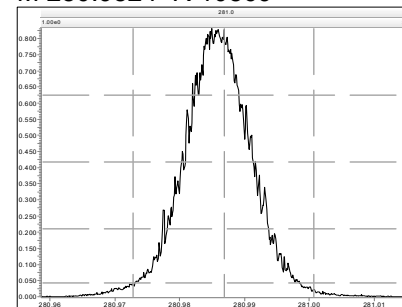
M 254.9856 R 11186



M 268.9824 R 11135



M 280.9824 R 10869



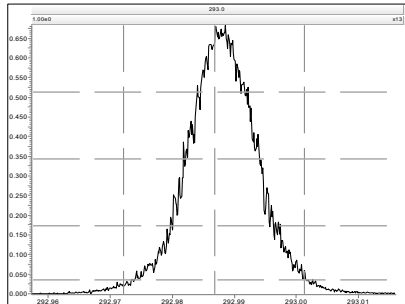
Resolution Check Report

MassLynx 4.1

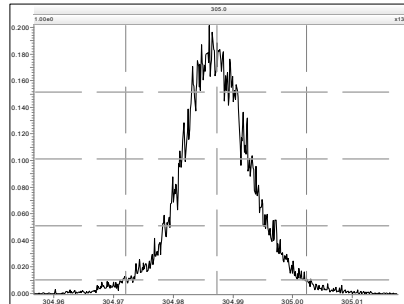
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Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

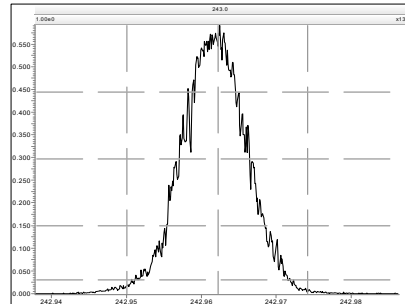
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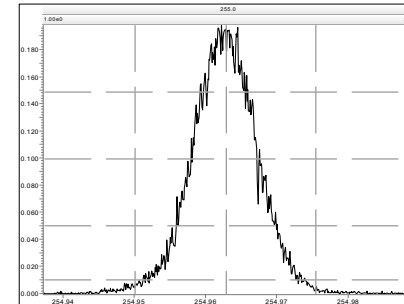
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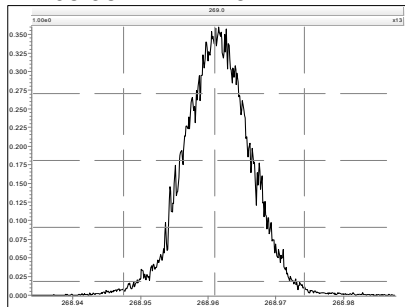
M 242.9856 R 11881



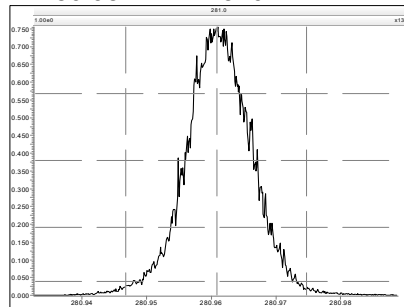
M 254.9856 R 12136



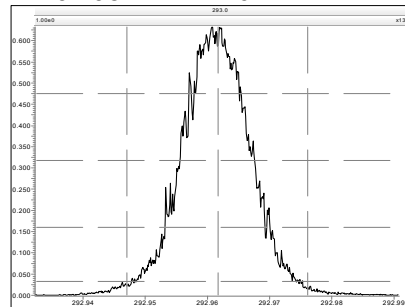
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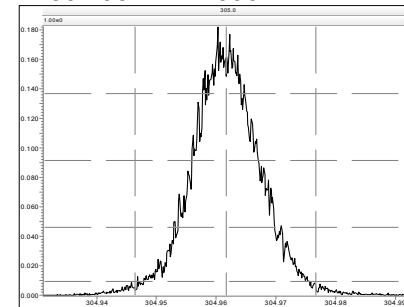
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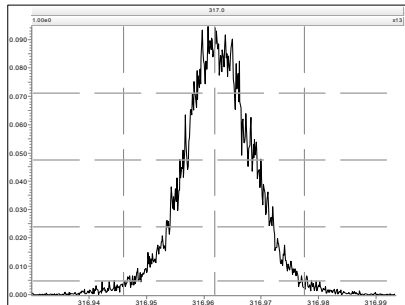
M 292.9824 R 11264



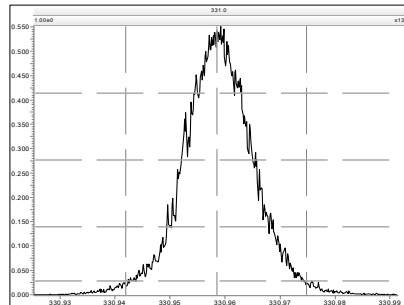
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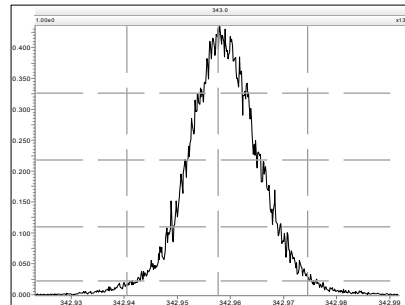
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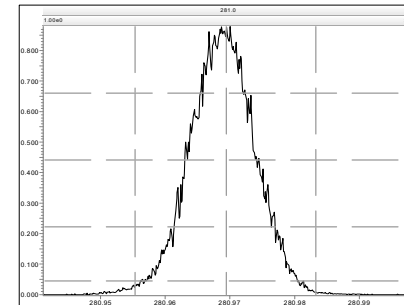
M 330.9792 R 10623



M 342.9792 R 10351



M 280.9824 R 11793

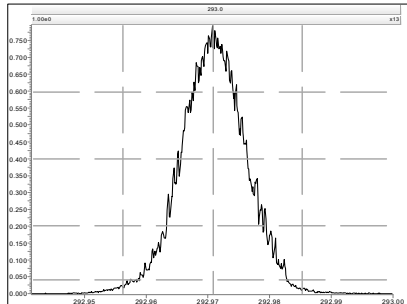


Resolution Check Report

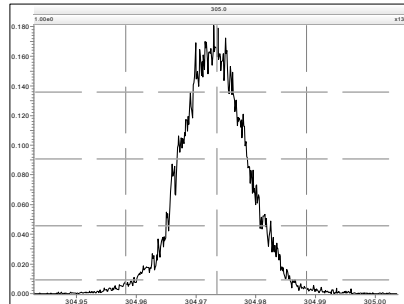
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

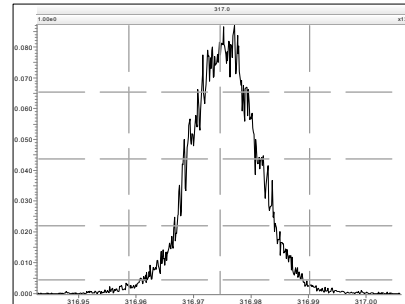
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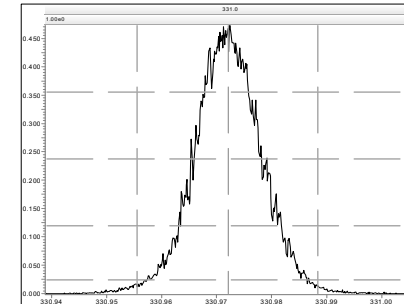
M 304.9824 R 11876



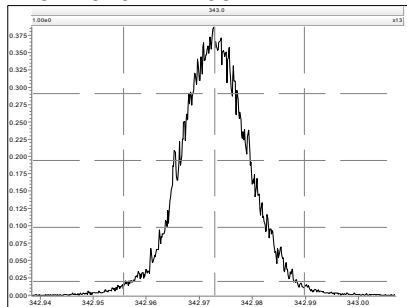
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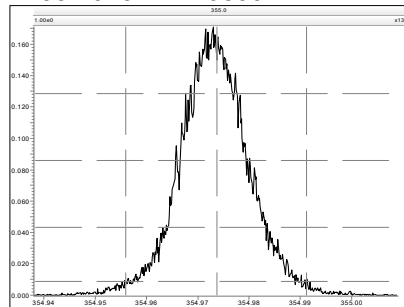
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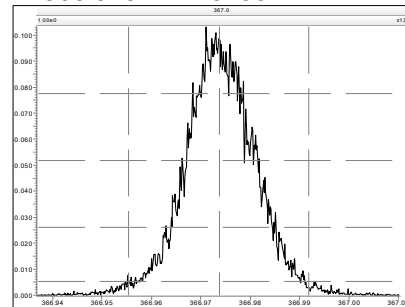
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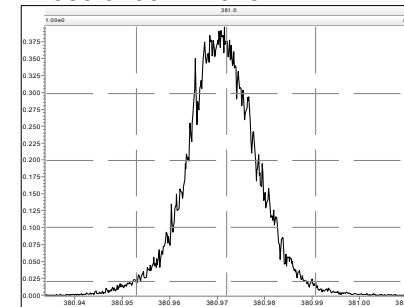
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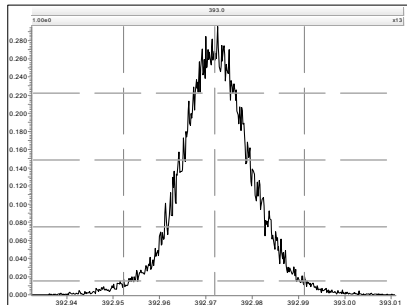
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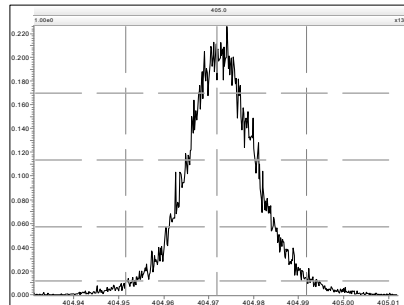
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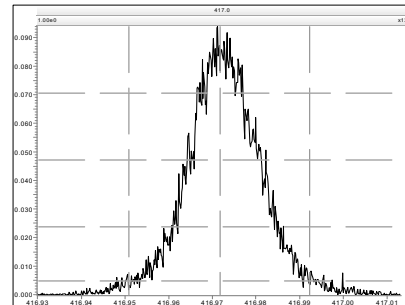
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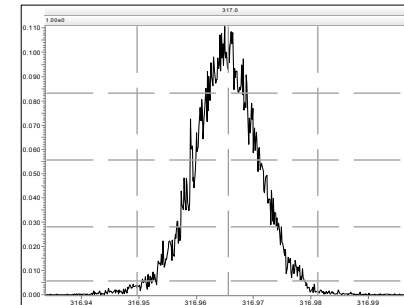
M 404.9760 R 10483



M 416.9760 R 10810



M 316.9824 R 12136

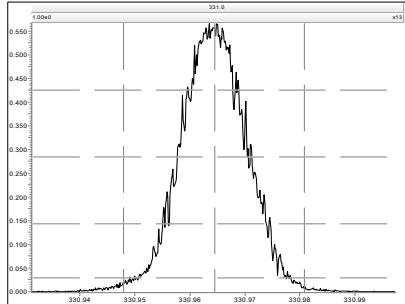


Resolution Check Report

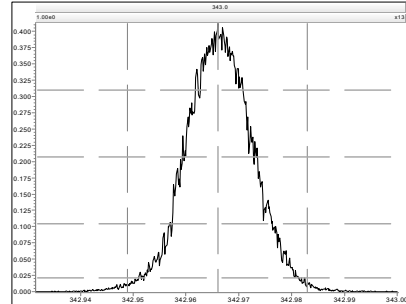
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

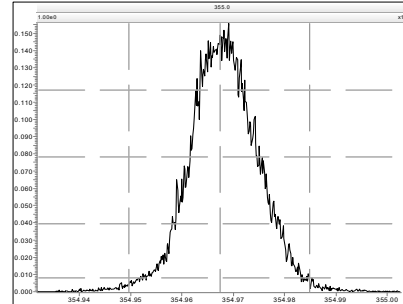
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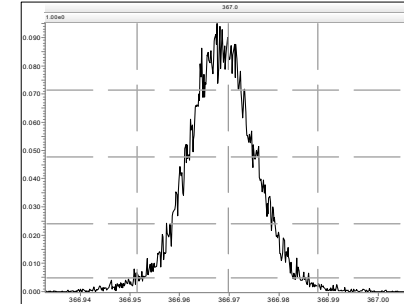
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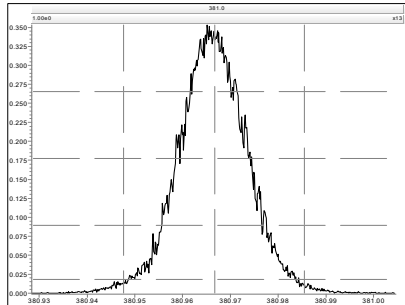
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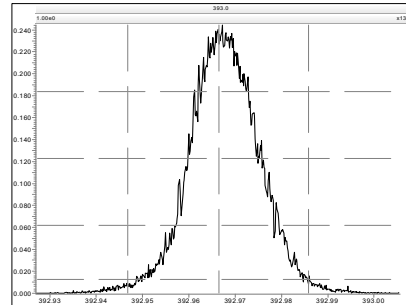
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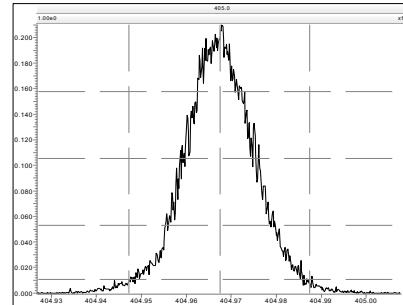
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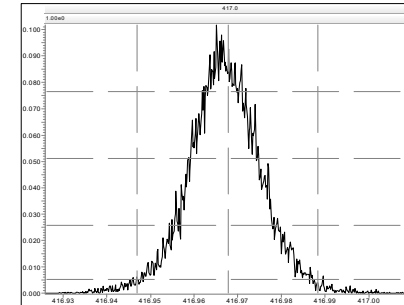
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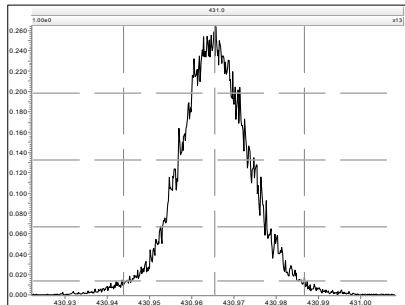
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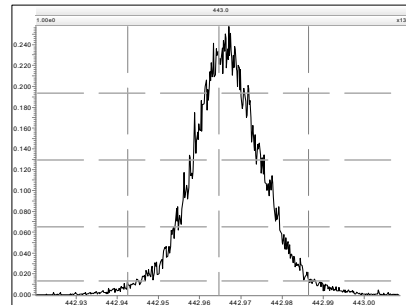
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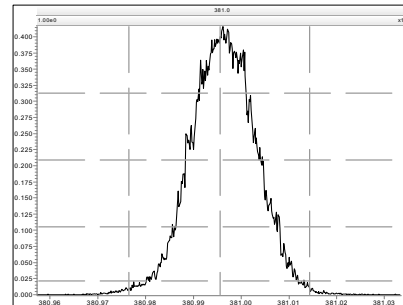
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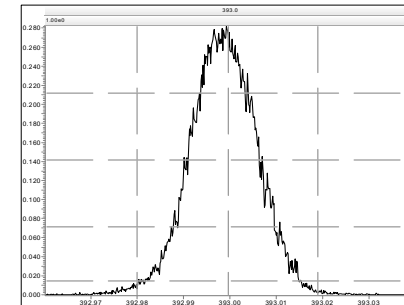
M 442.9728 R 10309



M 380.9760 R 11876



M 392.9760 R 11764

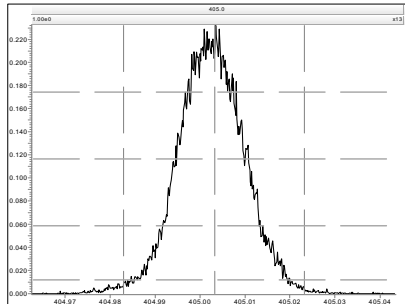


Resolution Check Report

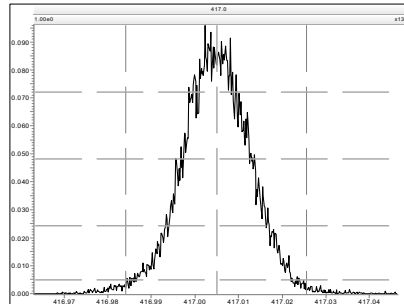
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

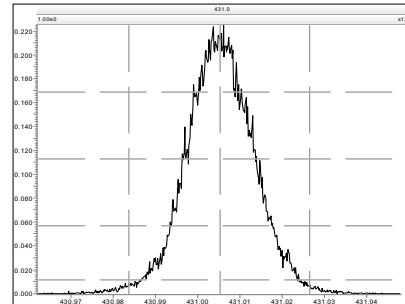
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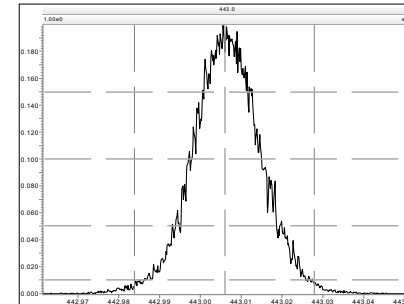
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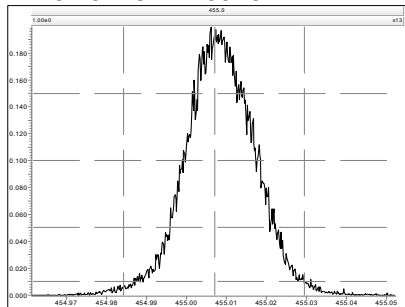
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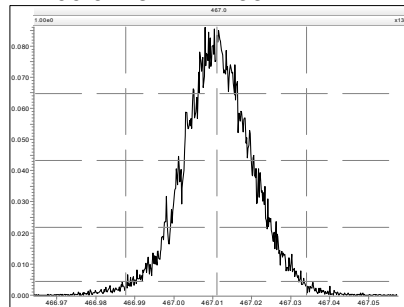
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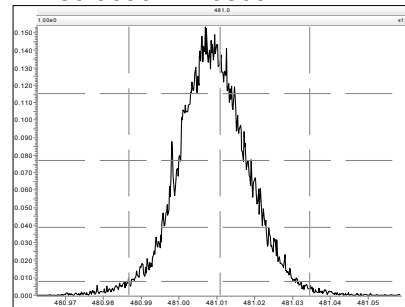
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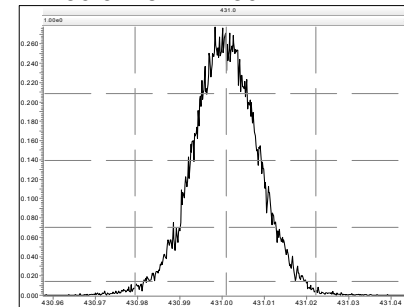
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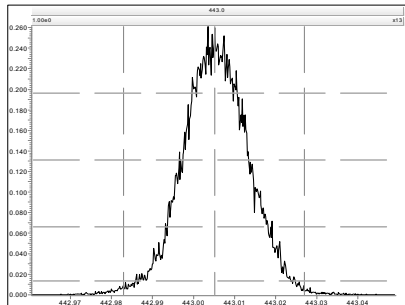
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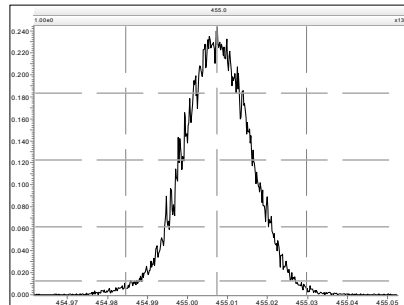
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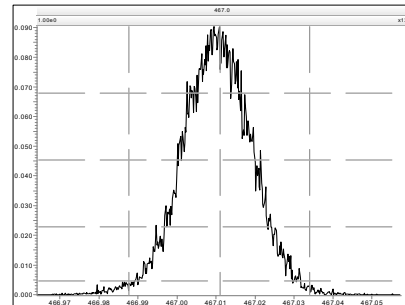
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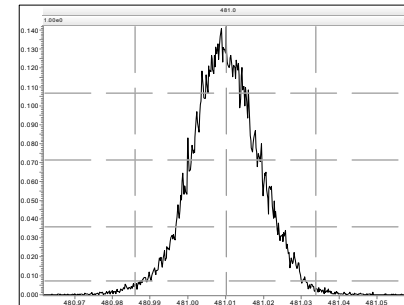
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M 466.9728 R 11603



M 480.9696 R 11441



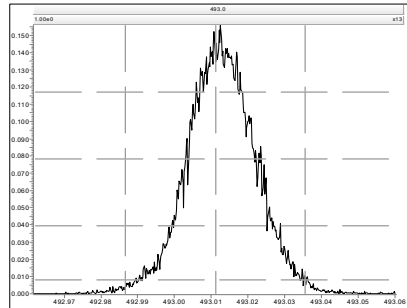
Resolution Check Report

MassLynx 4.1

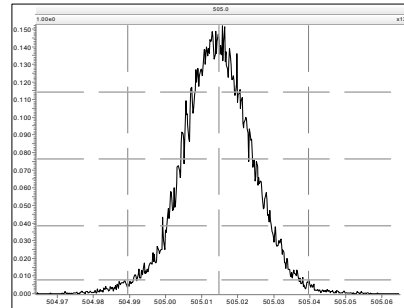
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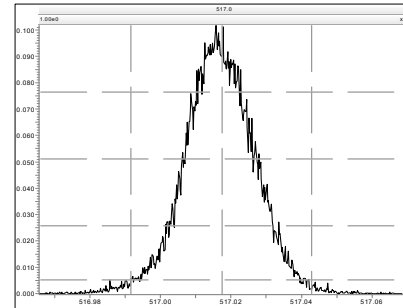
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED*By Todd Vilen at 3:06 pm, Jul 09, 2012***METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120703S04 Analysis Date: 03-JUL-2012 15:19:13
 Lab ID: OPR1_9892_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)		OK
PCB-1 2-MoCB	25	92.3	71	- 132	Y
PCB-3 4-MoCB	25	99.3	72	- 123	Y
PCB-4 22'-DiCB	25	102	73	- 114	Y
PCB-15 44'-DiCB	25	90.2	76	- 116	Y
PCB-19 22'6'-TrCB	25	92.3	79	- 109	Y
PCB-37 344'-TrCB	25	93.8	64	- 122	Y
PCB-54 22'66'-TeCB	25	102	76	- 114	Y
PCB-77 33'44'-TeCB	25	80.9	71	- 116	Y
PCB-81 344'5'-TeCB	25	83	70	- 116	Y
PCB-104 22'466'-PeCB	25	93.7	74	- 117	Y
PCB-105 233'44'-PeCB	25	85.6	73	- 117	Y
PCB-114 2344'5'-PeCB	25	79.7	74	- 113	Y
PCB-118 23'44'5'-PeCB	25	89.5	81	- 112	Y
PCB-123 23'44'5'-PeCB	25	95.4	74	- 109	Y
PCB-126 33'44'5'-PeCB	25	81	74	- 113	Y
PCB-155 22'44'66'-HxCB	25	89.4	79	- 112	Y
PCB-156/157 ...-HxCB	50	85.1	78	- 117	Y
PCB-167 23'44'55'-HxCB	25	82	79	- 107	Y
PCB-169 33'44'55'-HxCB	25	84.6	73	- 108	Y
PCB-188 22'34'566'-HpCB	25	94.2	81	- 113	Y
PCB-189 233'44'55'-HpCB	25	80.6	77	- 114	Y
PCB-202 22'33'55'66'-OcCB	25	101	74	- 112	Y
PCB-205 233'44'55'6-OcCB	25	88.1	79	- 115	Y
PCB-206 22'33'44'55'6-NoCB	25	90.3	76	- 115	Y
PCB-208 22'33'455'66'-NoCB	25	83.5	77	- 116	Y
PCB-209 DeCB	25	92.7	71	- 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 06 Jul 2012 13:29 Analyst: LB

METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120703S04 Analysis Date: 03-JUL-2012 15:19:13
 Lab ID: OPR1_9892_PCB

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)		OK
ES PCB-1	100	63.3	2	- 100	Y
ES PCB-3	100	60.1	13	- 100	Y
ES PCB-4	100	54.5	18	- 100	Y
ES PCB-15	100	59.6	10	- 118	Y
ES PCB-19	100	61.8	10	- 106	Y
ES PCB-37	100	74	24	- 128	Y
ES PCB-54	100	57.8	16	- 111	Y
ES PCB-77	100	91.7	43	- 105	Y
ES PCB-81	100	91.1	44	- 102	Y
ES PCB-104	100	49.7	30	- 115	Y
ES PCB-105	100	80.3	52	- 116	Y
ES PCB-114	100	77	39	- 117	Y
ES PCB-118	100	77.9	51	- 117	Y
ES PCB-123	100	70.3	52	- 118	Y
ES PCB-126	100	83.5	54	- 113	Y
ES PCB-153	100	-	40	- 120	-
ES PCB-155	100	70.8	40	- 121	Y
ES PCB-156/157	200	92.8	46	- 115	Y
ES PCB-167	100	92.8	63	- 115	Y
ES PCB-169	100	88.1	51	- 117	Y
ES PCB-170	100	-	40	- 120	-
ES PCB-180	100	-	40	- 120	-
ES PCB-188	100	63.5	33	- 121	Y
ES PCB-189	100	88.8	55	- 112	Y
ES PCB-202	100	79.3	33	- 136	Y
ES PCB-205	100	89.3	61	- 103	Y
ES PCB-206	100	90.5	51	- 107	Y
ES PCB-208	100	86	48	- 111	Y
ES PCB-209	100	82.6	52	- 111	Y
CLEANUP STANDARDS					
CS PCB-28	100	76	18	- 131	Y
CS PCB-111	100	81.9	64	- 113	Y
CS PCB-178	100	73.2	62	- 133	Y

Processed: 06 Jul 2012 13:29 Analyst: LB

Lab ID: OPR1_9892_PCB

ACQ: 03-Jul-2012 15:19:13 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #73563

UTP: 05-Jul-2012 15:03 LKB J-level: 10 pg/uL Split: 1

Checkcode: 544-407-QZT

Datafile: 120703S04

RPT: 06-Jul-2012 13:29 LB Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.26		1.0006	1.0006	0	1.16E+07	0.77	1.22	20.2	1.36E+03	0.0244
PCB-81 344'5'-TeCB	28.80		1.0006	1.0006	0	1.14E+07	0.75	1.24	20.8	1.36E+03	0.0239
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	7.93E+06	0.61	1.03	21.4	1.10E+03	0.0301
PCB-114 2344'5'-PeCB	31.68		1.0007	1.0007	0	7.73E+06	0.61	1.10	19.9	1.10E+03	0.0275
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	8.36E+06	0.61	1.03	22.4	1.10E+03	0.0296
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0007	0	7.66E+06	0.60	0.93	23.9	1.10E+03	0.0351
PCB-126 33'44'5'-PeCB	34.81		1.0005	1.0006	+0.2	9.51E+06	0.61	1.11	20.2	1.53E+03	0.0349
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0006	+0.2	1.62E+07	1.27	1.05	42.5	1.10E+03	0.0388
PCB-167 23'44'55'-HxCB	36.40		1.0006	1.0006	0	8.06E+06	1.25	1.08	20.5	1.10E+03	0.0287
PCB-169 33'44'55'-HxCB	40.08		1.0005	1.0005	0	7.71E+06	1.27	1.04	21.2	1.10E+03	0.0327
PCB-189 233'44'55'-HpCB	42.21		1.0005	1.0005	0	9.89E+06	1.06	1.11	20.1	1.42E+03	0.0307
PCB-209 DeCB	47.21		1.0004	1.0004	0	6.71E+06	1.20	1.05	23.2	5.39E+02	0.0307
ES PCB-1	9.85		0.7181	0.7176	-0.3	5.26E+07	3.20	1.01	63.3 %	2%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	5.18E+07	3.30	1.05	60.1 %	13%	100%
ES PCB-4	11.98		0.8732	0.8730	-0.1	3.12E+07	1.57	0.70	54.5 %	18%	100%
ES PCB-15	17.09		1.2453	1.2454	+0.1	5.72E+07	1.62	1.17	59.6 %	10%	118%
ES PCB-19	14.68		1.0698	1.0697	-0.1	2.87E+07	1.05	0.57	61.8 %	10%	106%
ES PCB-37	23.07		1.0865	1.0866	+0.1	4.39E+07	1.09	1.41	74 %	24%	128%
ES PCB-54	17.32		0.8157	0.8158	+0.1	3.21E+07	0.80	1.32	57.8 %	16%	111%
ES PCB-77	29.24		1.3777	1.3775	-0.4	4.69E+07	0.81	1.22	91.7 %	43%	105%
ES PCB-81	28.78		1.3557	1.3556	-0.2	4.41E+07	0.81	1.15	91.1 %	44%	102%
ES PCB-104	22.03		0.8147	0.8148	+0.1	3.12E+07	1.64	1.69	49.7 %	30%	115%
ES PCB-105	32.18		1.1906	1.1905	-0.2	3.61E+07	1.62	1.21	80.3 %	52%	116%
ES PCB-114	31.65		1.1709	1.1709	0	3.53E+07	1.60	1.23	77 %	39%	117%
ES PCB-118	31.21		1.1547	1.1546	-0.2	3.61E+07	1.62	1.25	77.9 %	51%	117%
ES PCB-123	30.94		1.1444	1.1444	0	3.47E+07	1.58	1.33	70.3 %	52%	118%
ES PCB-126	34.79		1.2871	1.2871	0	4.22E+07	1.60	1.36	83.5 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	3.45E+07	1.27	1.40	70.8 %	40%	121%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	7.29E+07	1.27	1.13	92.8 %	46%	115%
ES PCB-167	36.37		1.0753	1.0753	0	3.64E+07	1.27	1.13	92.8 %	63%	115%
ES PCB-169	40.06		1.1842	1.1843	+0.2	3.49E+07	1.27	1.14	88.1 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	2.95E+07	1.09	1.34	63.5 %	33%	121%
ES PCB-189	42.19		0.9598	0.9597	-0.3	4.42E+07	1.07	1.77	88.8 %	55%	112%
ES PCB-202	36.18		0.8230	0.8229	-0.2	3.50E+07	0.90	1.27	79.3 %	33%	136%
ES PCB-205	44.36		1.0090	1.0090	0	3.14E+07	0.91	1.25	89.3 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	2.72E+07	0.79	1.07	90.5 %	51%	107%
ES PCB-208	41.80		0.9508	0.9507	-0.3	3.24E+07	0.79	1.34	86 %	48%	111%
ES PCB-209	47.19		1.0732	1.0733	+0.3	2.76E+07	1.20	1.18	82.6 %	52%	111%
CS/SS PCB-28	19.68		0.9269	0.9270	+0.1	4.42E+07	1.06	0.98	103 %	18%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0842	-0.2	3.63E+07	1.58	0.90	117 %	64%	113%
CS/SS PCB-178	34.23		1.0118	1.0118	0	2.21E+07	1.12	0.65	115 %	62%	133%
CS PCB-28	19.68		0.9269	0.9270	+0.1	4.42E+07	1.06	1.39	76 %	18%	131%
CS PCB-111	29.31		1.0843	1.0842	-0.2	3.63E+07	1.58	1.19	81.9 %	64%	113%
CS PCB-178	34.23		1.0118	1.0118	0	2.21E+07	1.12	0.87	73.2 %	62%	133%
JS PCB-9	13.72					8.19E+07	1.61				
JS PCB-52	21.23					4.20E+07	0.78				
JS PCB-101	27.03					3.72E+07	1.61				
JS PCB-138	33.83					3.47E+07	1.24				
JS PCB-194	43.96					2.82E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	47.9	47.9	0.0253		
						Di-CBs	48	48	0.503		
						Tri-CBs	46.5	46.5	0.0401		
						Tetra-CBs	66.5	66.5	0.0239		
						Penta-CBs	131	131	0.0314		
						Hexa-CBs	107	107	0.0309		
						Hepta-CBs	43.7	43.7	0.0416		
						Octa-CBs	47.3	47.3	0.0304		
						Nona-CBs	43.4	43.4	0.0306		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	1.45E+07	3.15	1.20	23.1	2.80E+03	0.0218
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	2.80E+03	0.0288
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.45E+07	3.14	1.13	24.8	2.80E+03	0.0288
PCB-4 22'-DiCB	12.00		1.0012	1.0011	-0.1	7.49E+06	1.57	0.94	25.4	3.40E+04	0.682
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	3.40E+04	0.45
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	2.20E+04	0.374
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	2.20E+04	0.324
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	2.20E+04	0.346
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	2.20E+04	0.353
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	2.20E+04	0.342
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	2.20E+04	0.297
PCB-11 33'-DiCB	NotFnd		0.9701	-		0.00E+00		0.98	ND	2.20E+04	0.333
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	2.20E+04	0.335
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	1.30E+07	1.52	1.01	22.5	2.20E+04	0.323

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0011	0	6.70E+06	1.04	1.01	23.1	1.64E+03	0.0417
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.64E+03	0.0326
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.64E+03	0.0371
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.64E+03	0.0284
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.64E+03	0.0294
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.64E+03	0.0471
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.64E+03	0.027
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	2.15E+03	0.0391
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	2.15E+03	0.0389
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	2.15E+03	0.0384
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	2.15E+03	0.0387
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	2.15E+03	0.0376
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	2.15E+03	0.0391
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	2.15E+03	0.038
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	2.15E+03	0.0413
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	2.15E+03	0.038
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	2.15E+03	0.035
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	2.15E+03	0.0399
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	2.15E+03	0.0406
PCB-37 344'-TrCB	23.09		1.0008	1.0008	0	1.23E+07	1.04	1.20	23.4	2.15E+03	0.0385
PCB-54 22'66'-TeCB	17.34		1.0010	1.0011	+0.1	7.62E+06	0.79	0.93	25.5	9.53E+02	0.0259
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	8.47E+02	0.0223
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	8.47E+02	0.0263
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	8.47E+02	0.0211
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	8.47E+02	0.0267
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	8.47E+02	0.0231
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	8.47E+02	0.018
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	8.47E+02	0.0263
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	8.47E+02	0.0193
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	8.47E+02	0.0222
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	8.47E+02	0.0216
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	8.47E+02	0.017
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	8.47E+02	0.0242
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	8.47E+02	0.0256
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	8.47E+02	0.0228
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	8.47E+02	0.0159
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	1.36E+03	0.0237
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	1.36E+03	0.0218
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	1.36E+03	0.0243
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	1.36E+03	0.0236
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	1.36E+03	0.0233
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	1.36E+03	0.0222
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	1.36E+03	0.0239
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	1.36E+03	0.025
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	1.36E+03	0.0244

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	1.36E+03	0.0252
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	1.36E+03	0.024
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	1.36E+03	0.0216
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	1.36E+03	0.0217
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	1.36E+03	0.0249
PCB-104 22'466'-PeCB	22.05		1.0010	1.0009	-0.1	6.70E+06	0.64	0.92	23.4	1.00E+03	0.0311
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	1.00E+03	0.0352
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	1.10E+03	0.0418
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	1.10E+03	0.0455
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	1.10E+03	0.0437
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	1.10E+03	0.0435
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	1.10E+03	0.0433
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	1.10E+03	0.0456
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	1.10E+03	0.0488
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	1.10E+03	0.0387
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	1.10E+03	0.0499
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	1.10E+03	0.0472
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	1.10E+03	0.033
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	1.10E+03	0.0453
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	1.10E+03	0.0401
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	1.10E+03	0.0521
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	1.10E+03	0.0424
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	1.10E+03	0.0337
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	1.10E+03	0.0393
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	1.10E+03	0.0345
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	1.10E+03	0.0401
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	1.10E+03	0.0352
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	1.10E+03	0.0342
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	1.10E+03	0.0526
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	1.10E+03	0.0329
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	1.10E+03	0.0327
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	1.10E+03	0.0353
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	1.10E+03	0.0326
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	1.10E+03	0.0337
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	1.10E+03	0.0325
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	1.10E+03	0.0297
PCB-155 22'44'66'-HxCB	26.88		1.0008	1.0008	0	8.13E+06	1.27	1.06	22.3	8.59E+02	0.0234
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	8.59E+02	0.0252
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	8.59E+02	0.0251
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	8.59E+02	0.0269
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	8.59E+02	0.0263
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	8.59E+02	0.0337
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	8.59E+02	0.0348
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	8.59E+02	0.0315
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	8.59E+02	0.0343

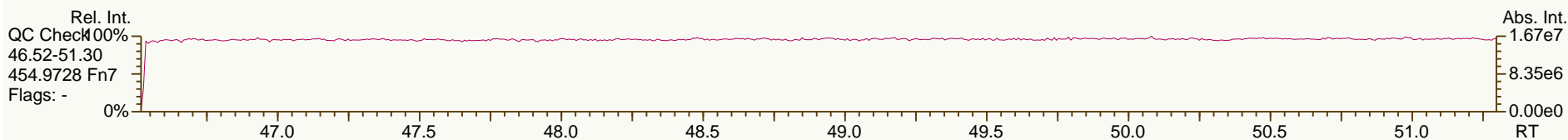
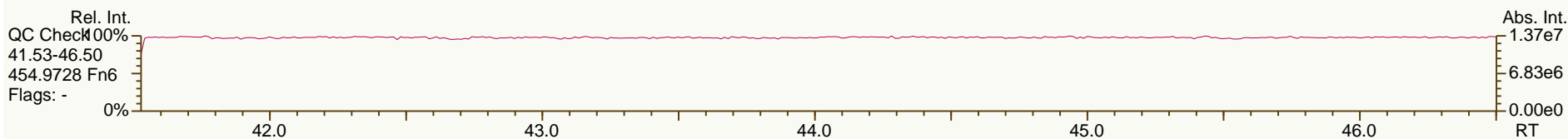
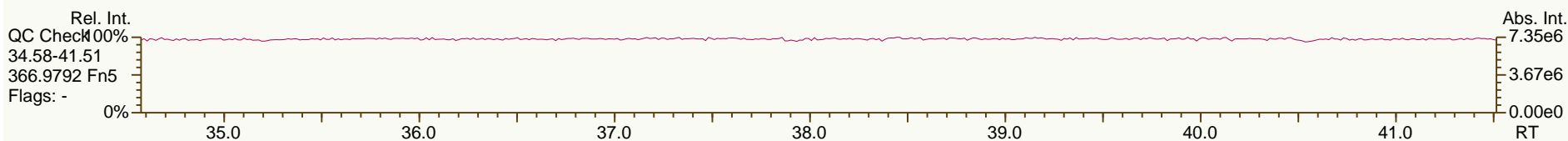
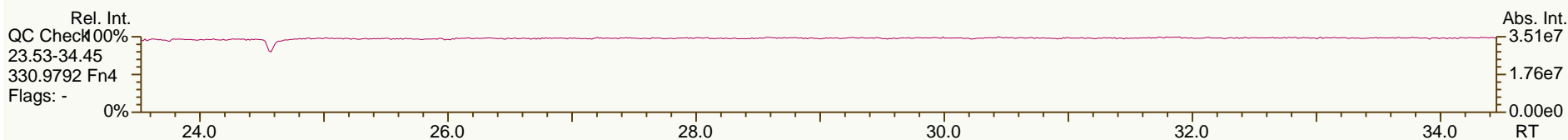
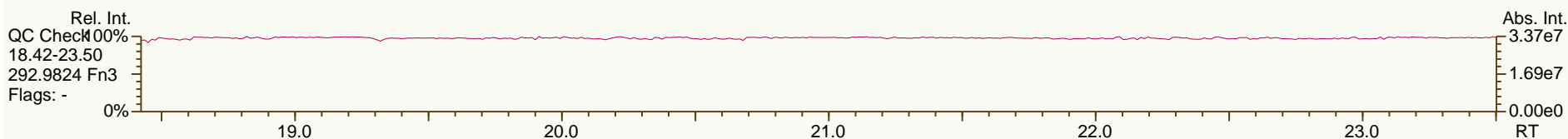
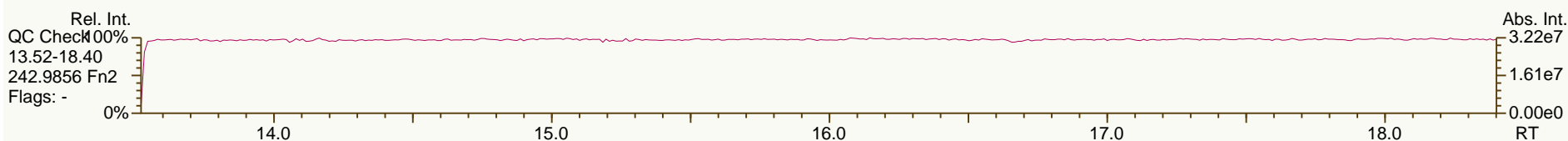
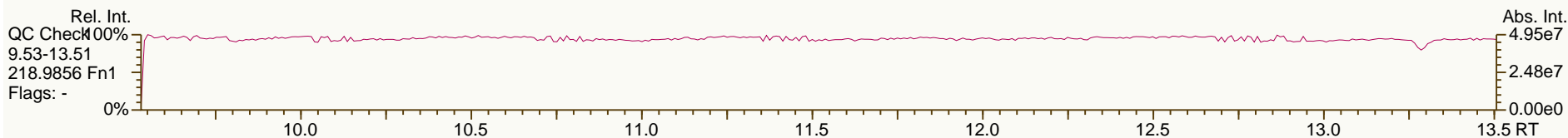
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00		0.72	ND	8.59E+02	0.0341
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.61	ND	8.59E+02	0.0407
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.69	ND	8.59E+02	0.0357
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	8.59E+02	0.0336
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	8.59E+02	0.0382
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.67	ND	8.59E+02	0.0367
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00		0.68	ND	8.59E+02	0.0364
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.69	ND	8.59E+02	0.0359
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.82	ND	8.59E+02	0.03
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.73	ND	8.59E+02	0.0338
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	8.59E+02	0.0267
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00		0.89	ND	8.59E+02	0.0278
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.71	ND	8.59E+02	0.0349
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.64	ND	8.59E+02	0.0388
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.78	ND	8.59E+02	0.0318
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.88	ND	8.59E+02	0.0281
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00		0.76	ND	8.59E+02	0.0324
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.88	ND	8.59E+02	0.0279
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.96	ND	8.59E+02	0.0257
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.86	ND	1.10E+03	0.036
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.03	ND	1.10E+03	0.0303
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.04	ND	1.10E+03	0.0299
PCB-188 22'34'566"-HpCB	31.69		1.0007	1.0007	0	7.41E+06	1.09	1.07	23.6	8.22E+02	0.0273
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		0.98	ND	8.22E+02	0.0297
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		0.97	ND	8.22E+02	0.0299
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.06	ND	8.22E+02	0.0273
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.02	ND	8.22E+02	0.0286
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.77	ND	8.22E+02	0.0377
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.70	ND	1.27E+03	0.0641
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		0.73	ND	1.27E+03	0.0612
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.74	ND	1.27E+03	0.0603
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		0.75	ND	1.27E+03	0.0598
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.73	ND	1.27E+03	0.0615
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.63	ND	1.27E+03	0.0714
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.64	ND	1.27E+03	0.0701
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.72	ND	1.27E+03	0.0627
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.64	ND	1.27E+03	0.0704
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.69	ND	1.27E+03	0.0442
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.91	ND	1.27E+03	0.0335
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	1.27E+03	0.0361
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.94	ND	1.27E+03	0.0323
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	1.27E+03	0.0436
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.94	ND	1.27E+03	0.0322
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	7.30E+06	0.87	0.83	25.3	9.56E+02	0.0367
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.93	ND	9.56E+02	0.0328

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	9.56E+02	0.0341
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	9.56E+02	0.0333
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	9.56E+02	0.0327
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	9.56E+02	0.0444
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	9.56E+02	0.0424
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	9.56E+02	0.0412
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	7.55E+02	0.0323
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	7.55E+02	0.0305
PCB-205 233'44'55'6-OcCB	44.38		1.0004	1.0004	0	7.56E+06	0.91	1.09	22	7.55E+02	0.024
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	6.61E+06	0.80	0.98	20.9	6.70E+02	0.0274
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.70E+02	0.0263
PCB-206 22'33'44'55'6-NoCB	45.85		1.0004	1.0004	0	5.74E+06	0.77	0.93	22.6	6.70E+02	0.0338

AP Lab ID: OPR1_9892_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

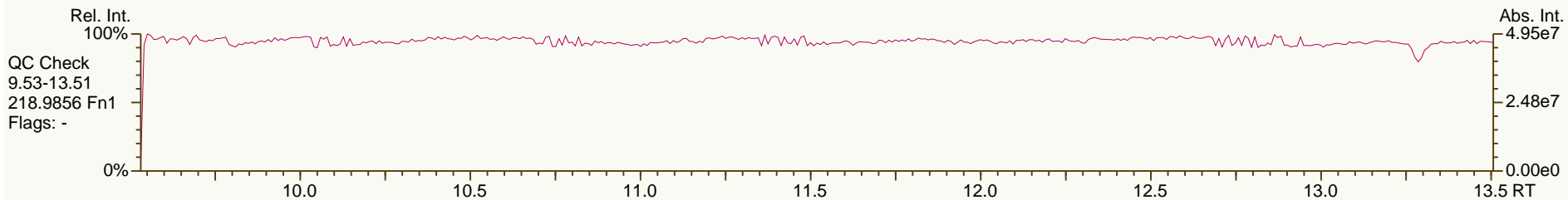
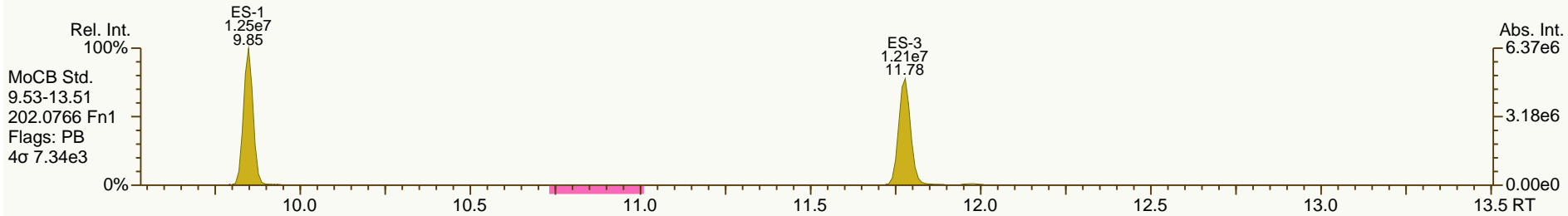
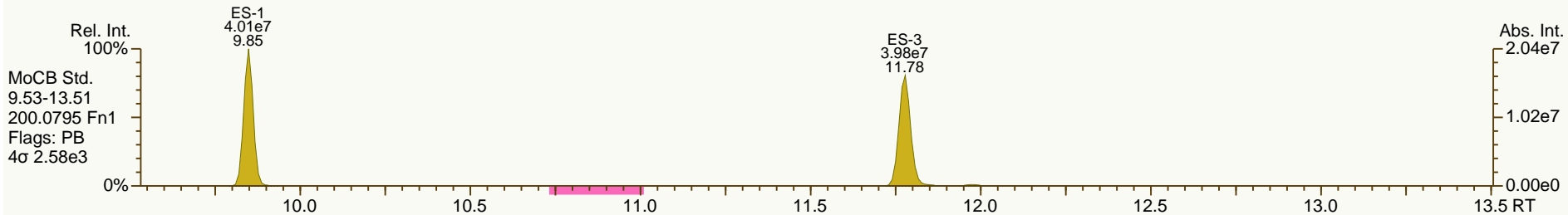
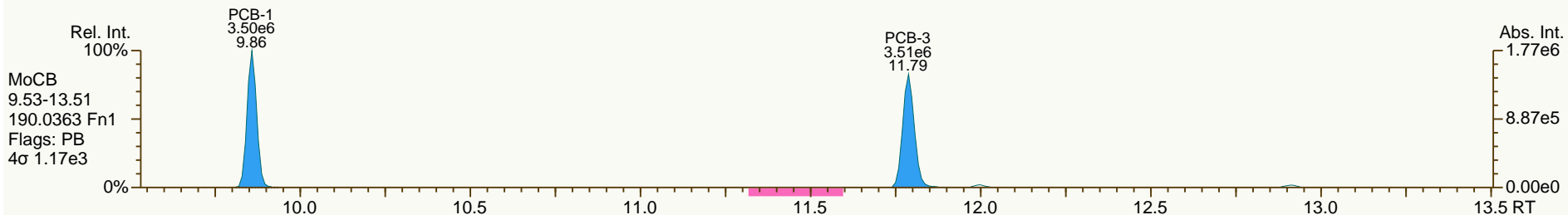
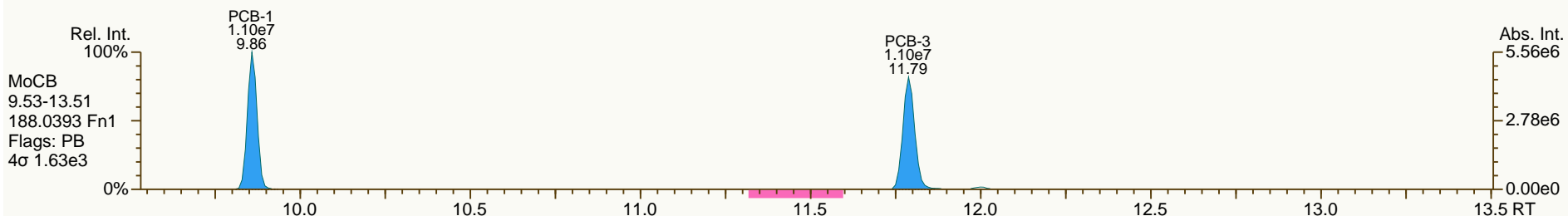
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AP Lab ID: OPR1_9892_PCB
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Sample ID: OPR #73563
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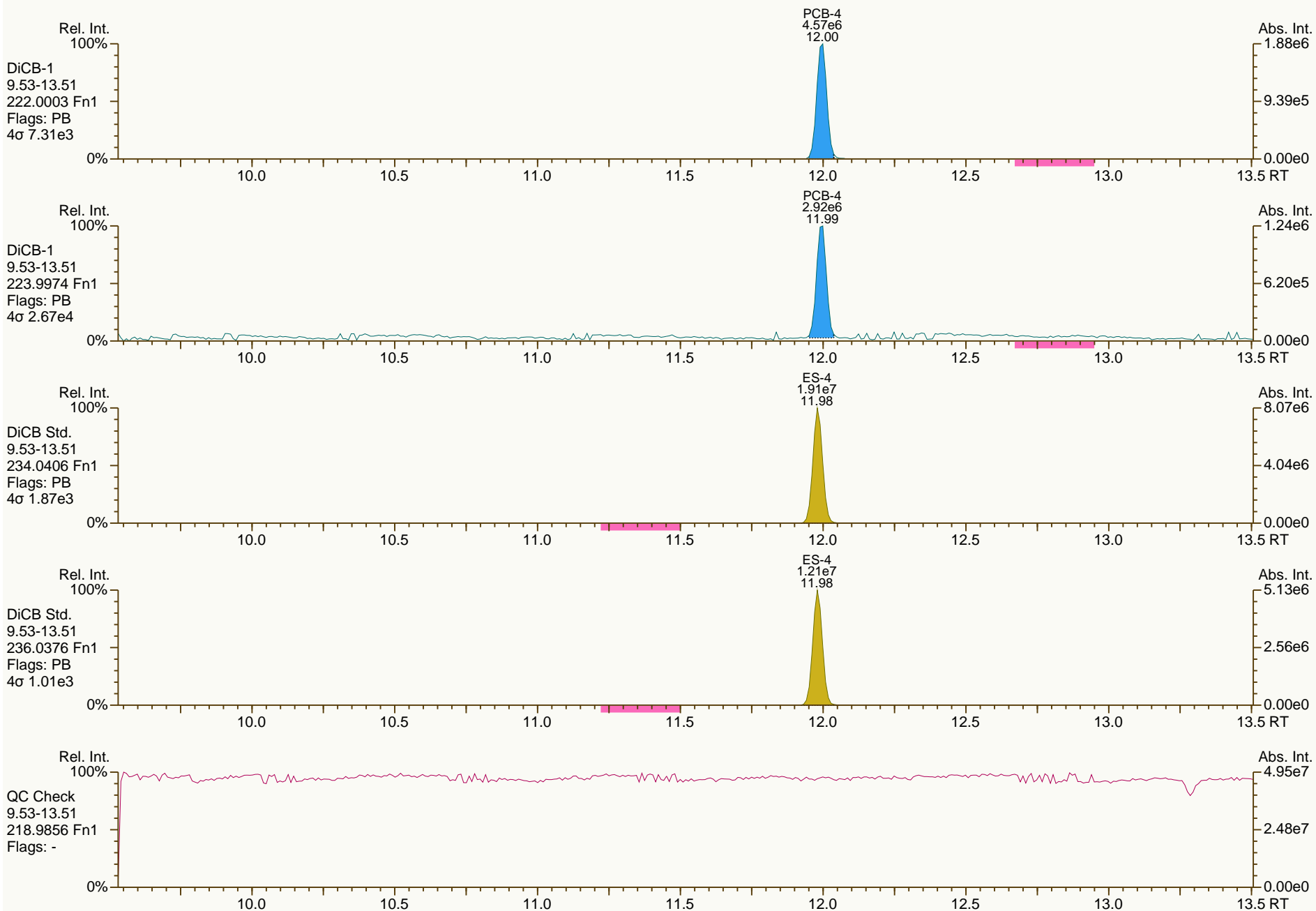
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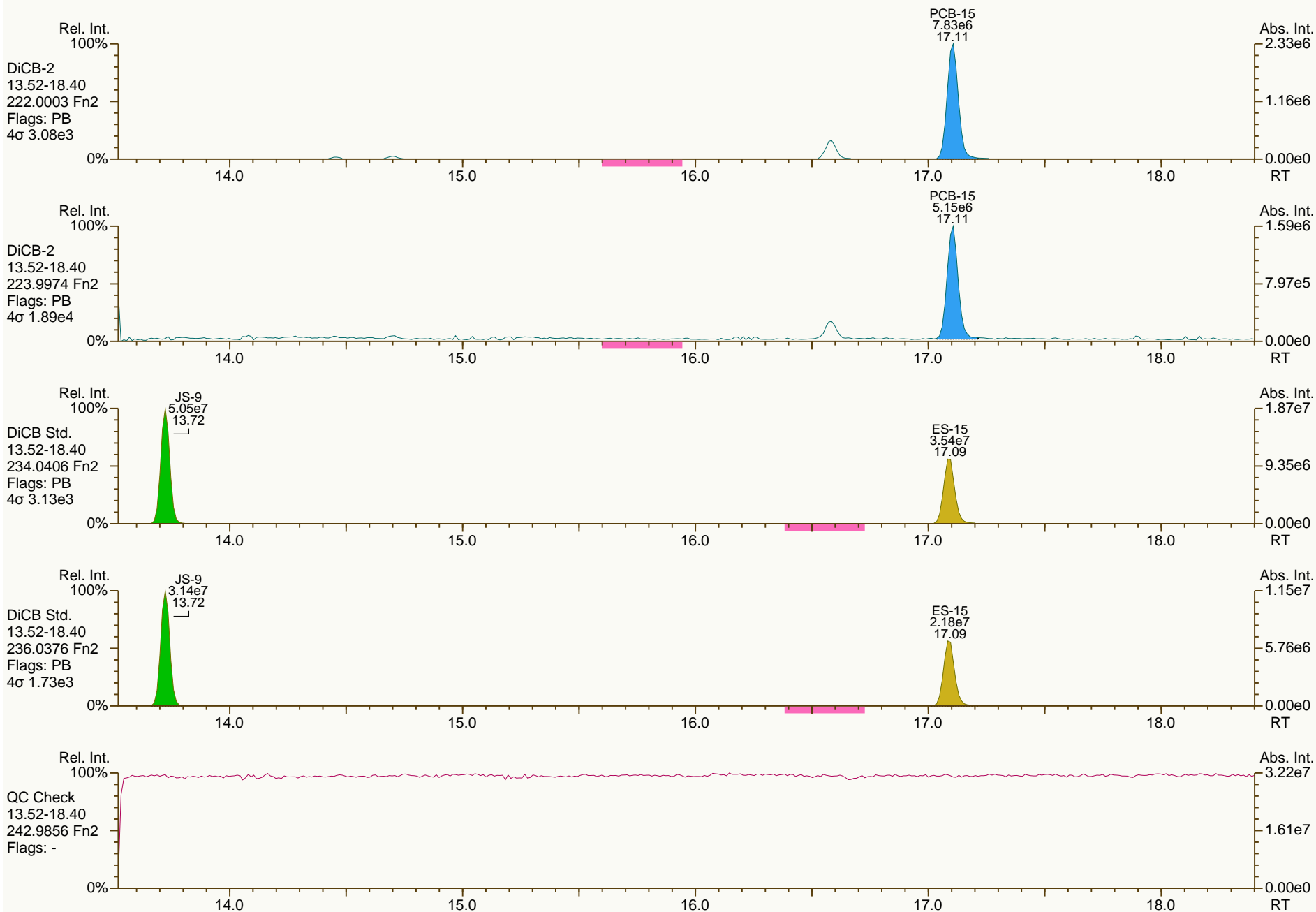
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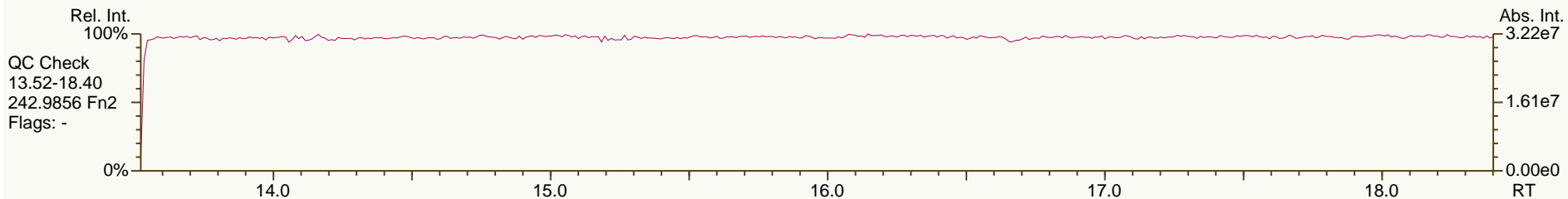
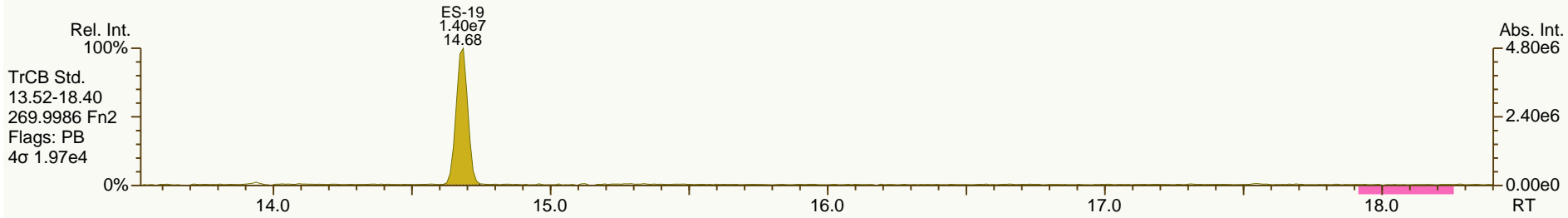
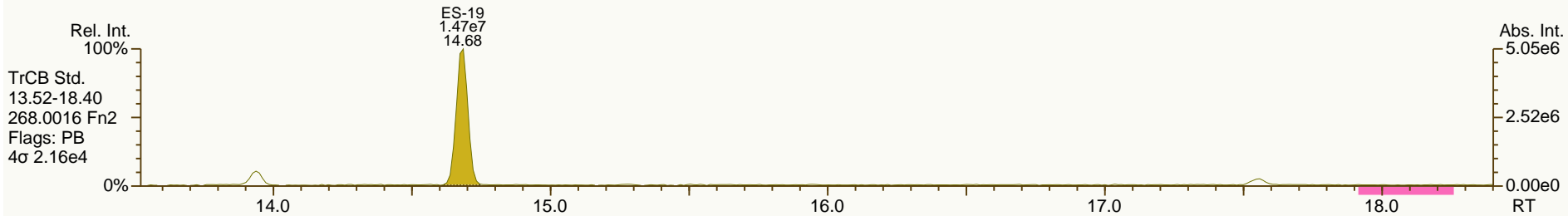
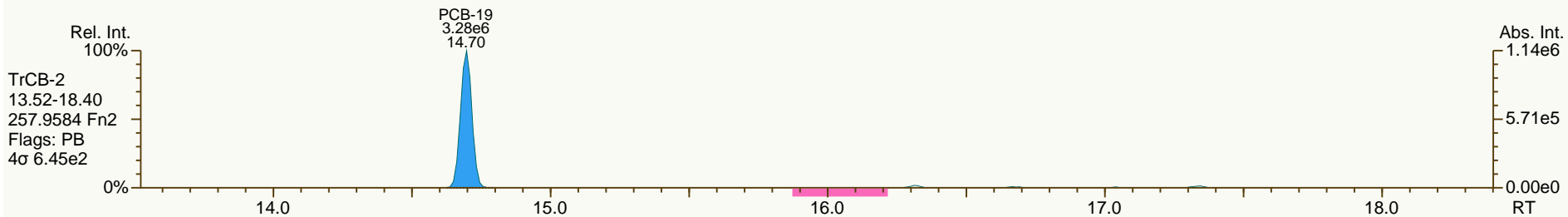
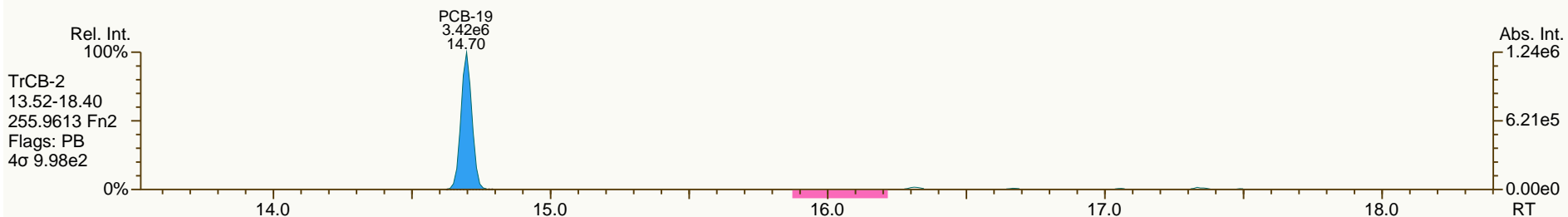
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Sample ID: OPR #73563
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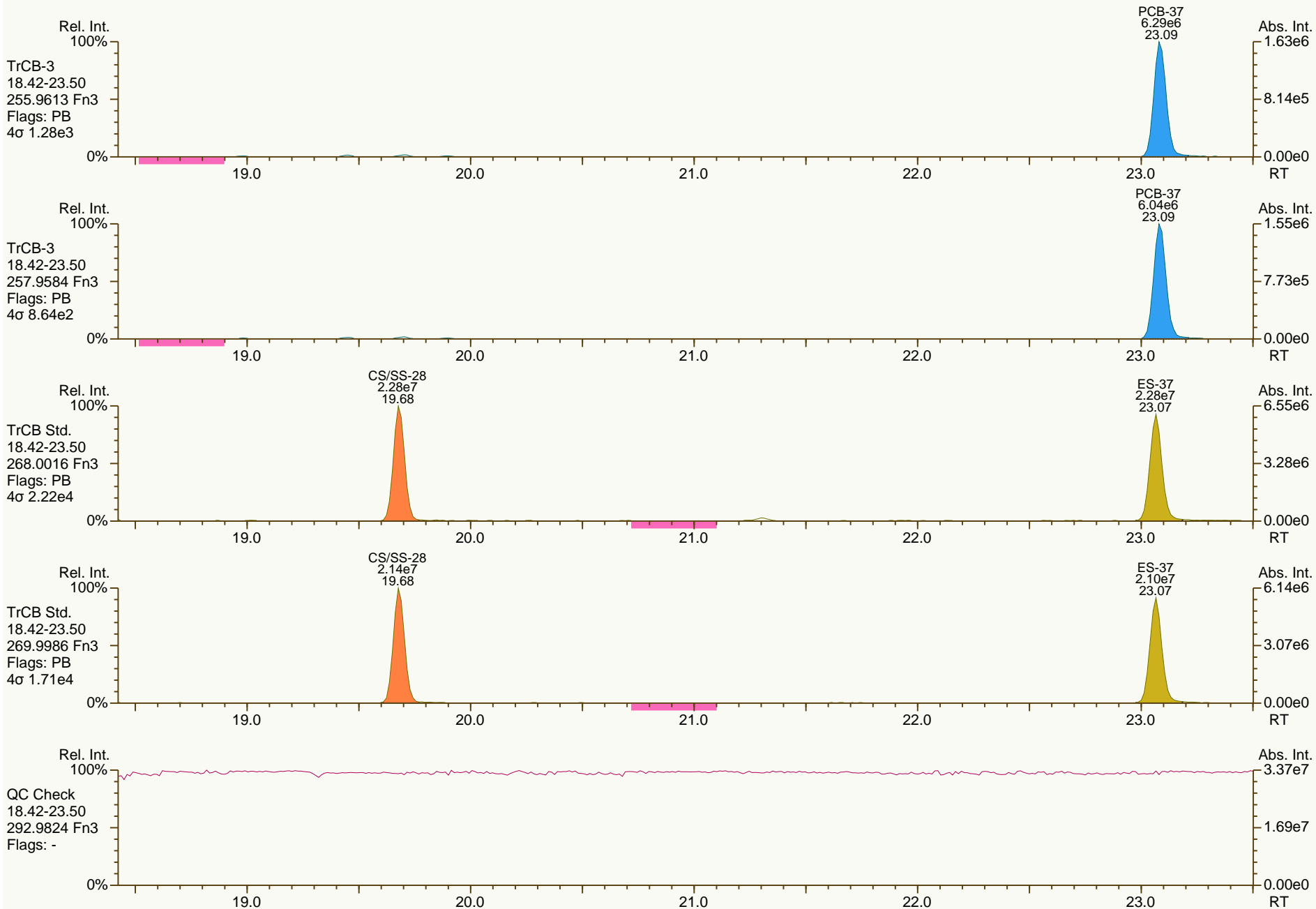
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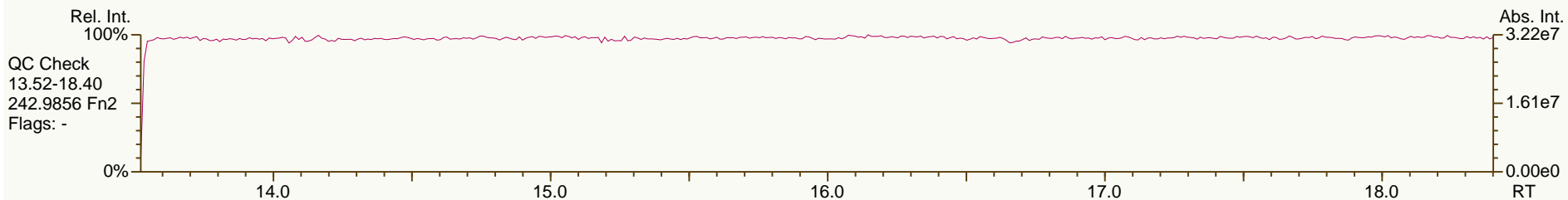
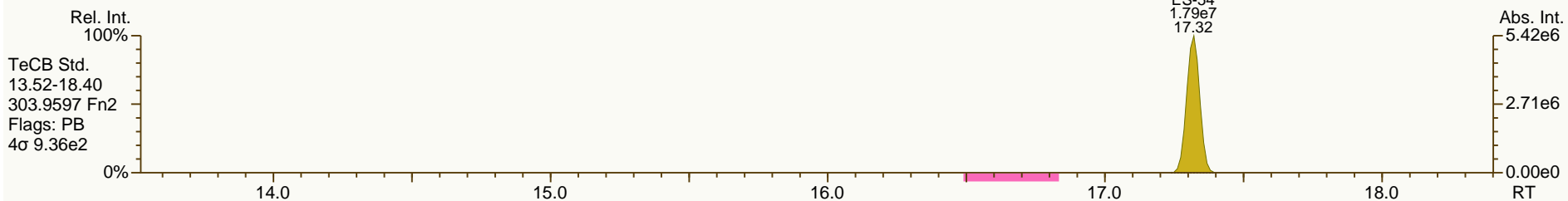
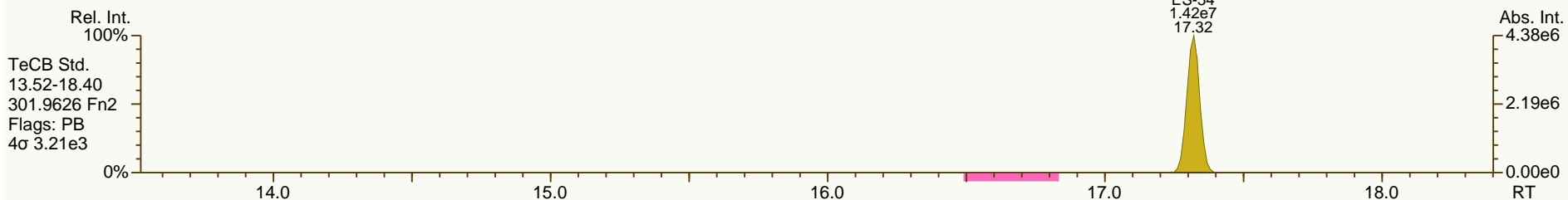
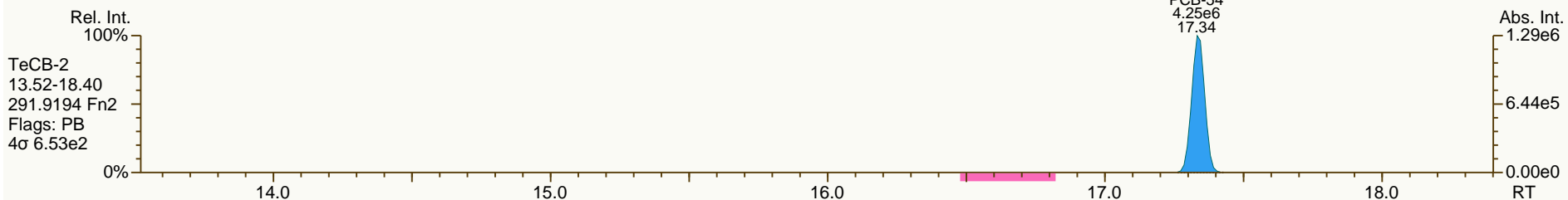
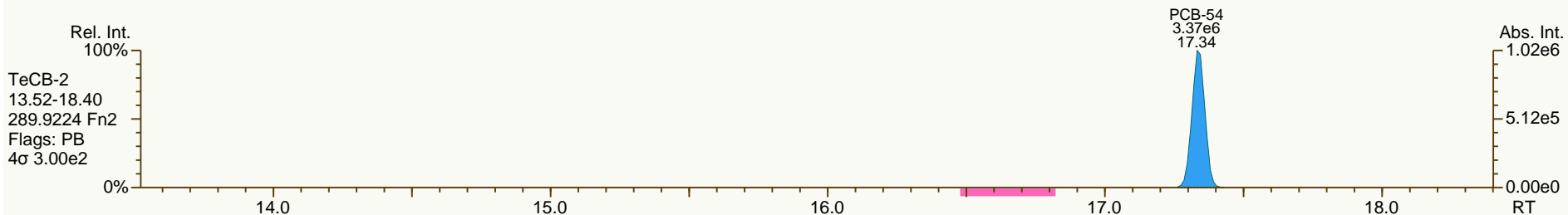
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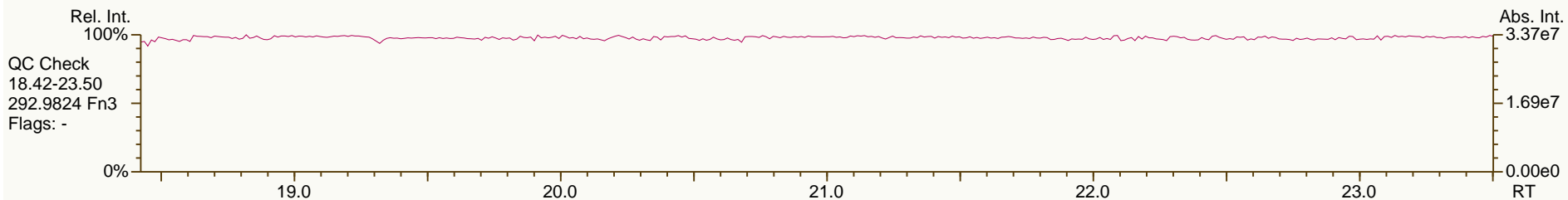
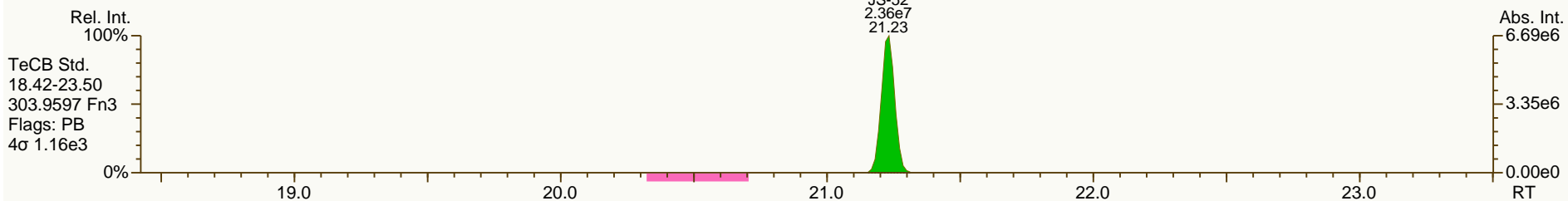
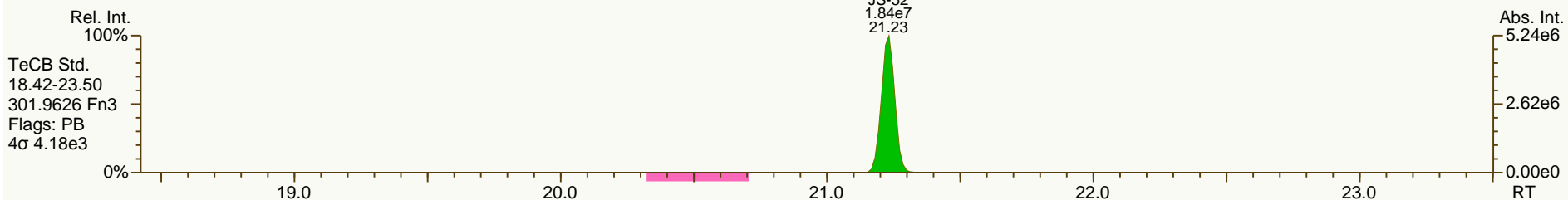
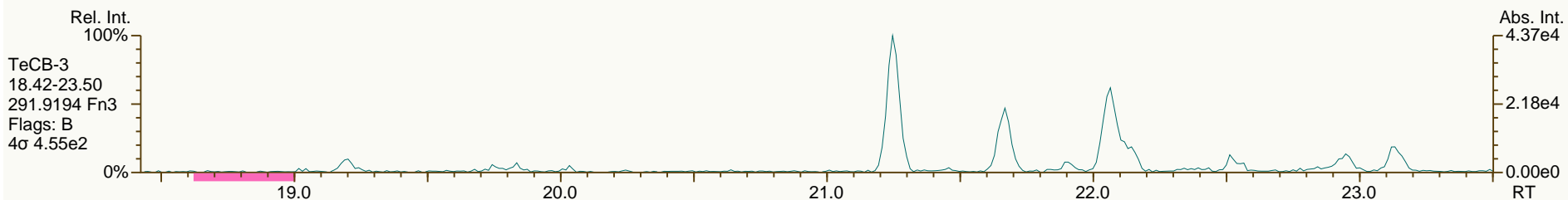
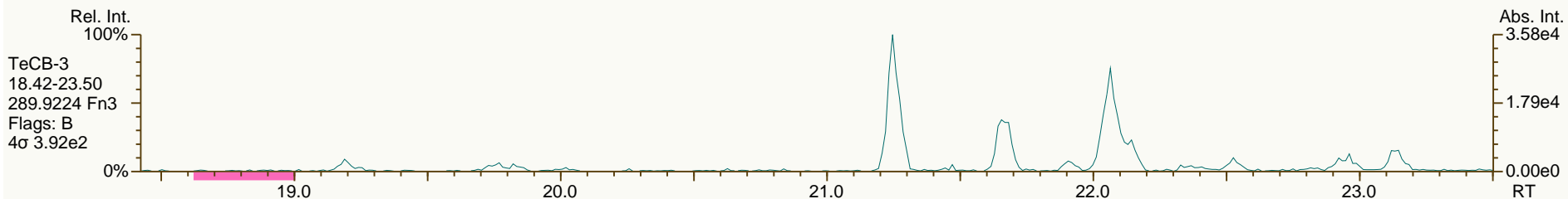
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Sample ID: OPR #73563
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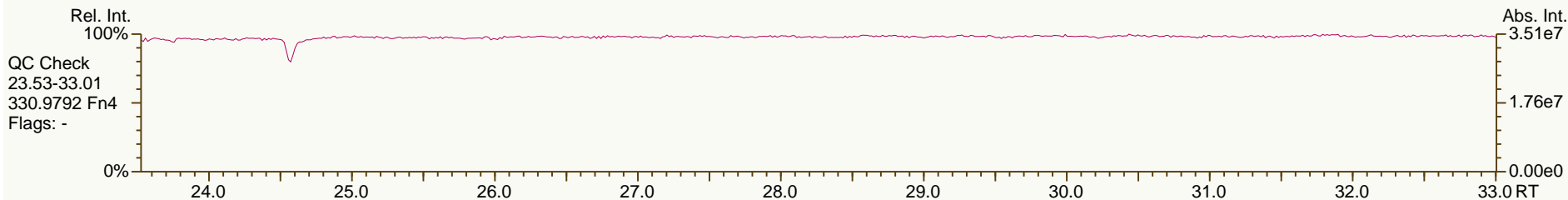
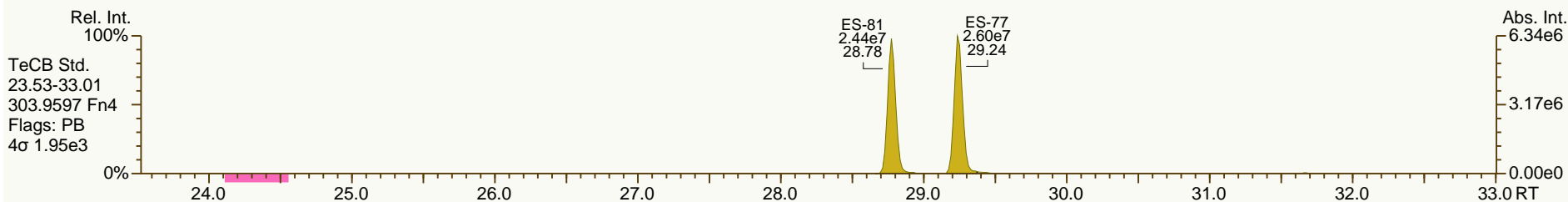
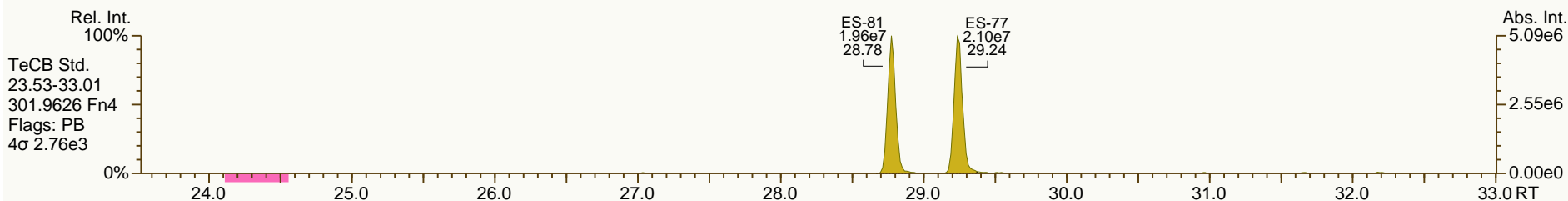
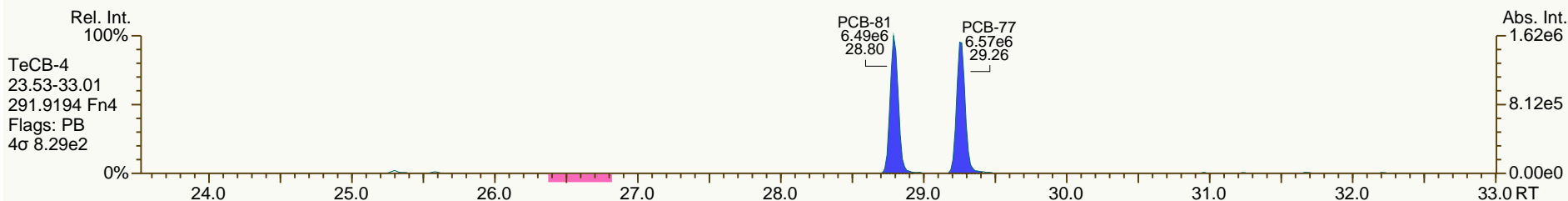
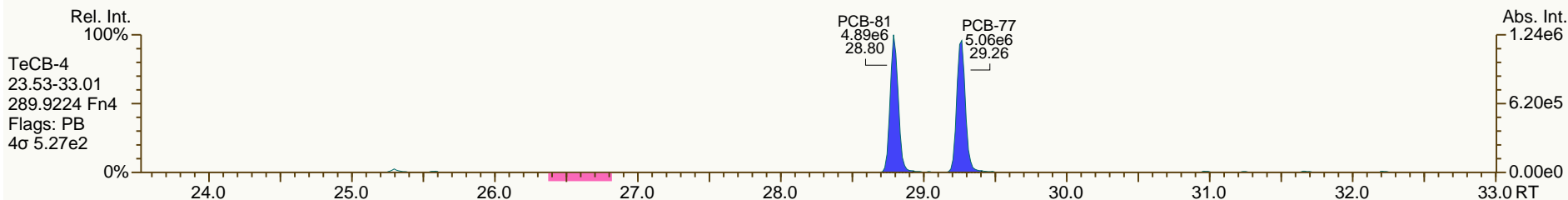
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AP Lab ID: OPR1_9892_PCB
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

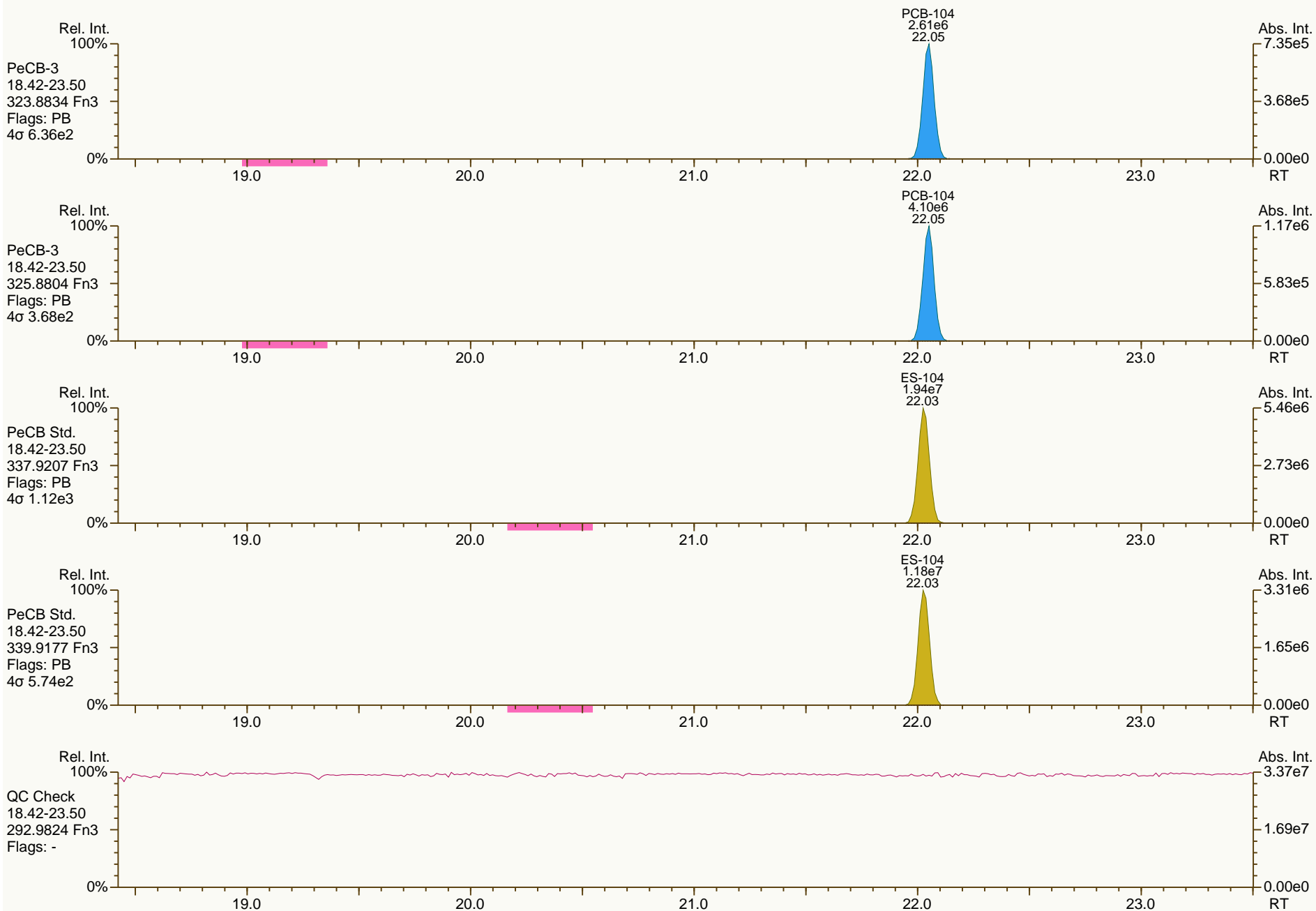
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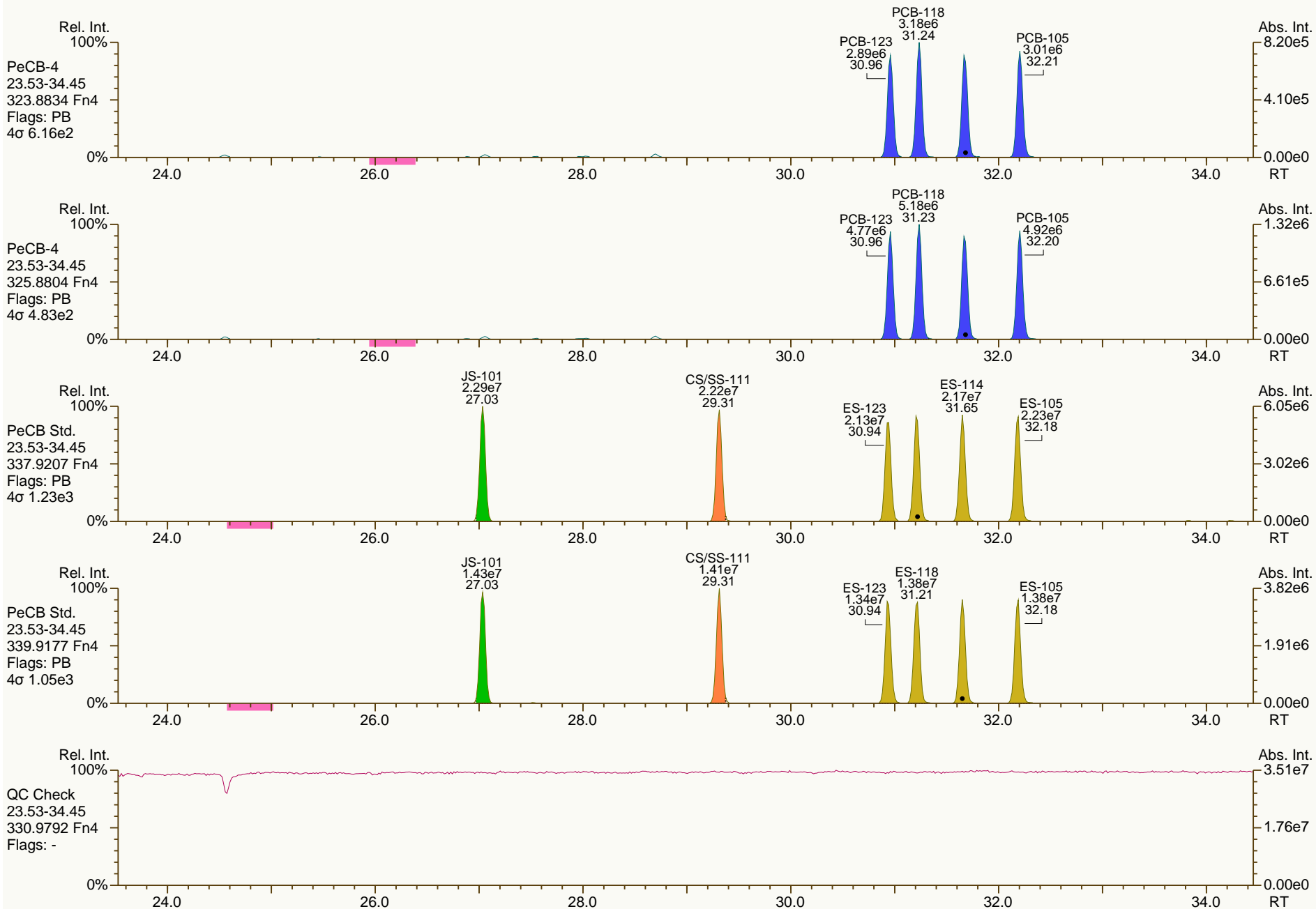
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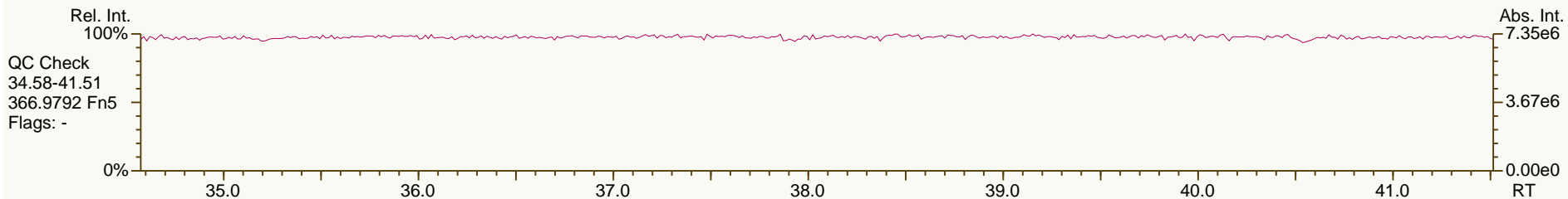
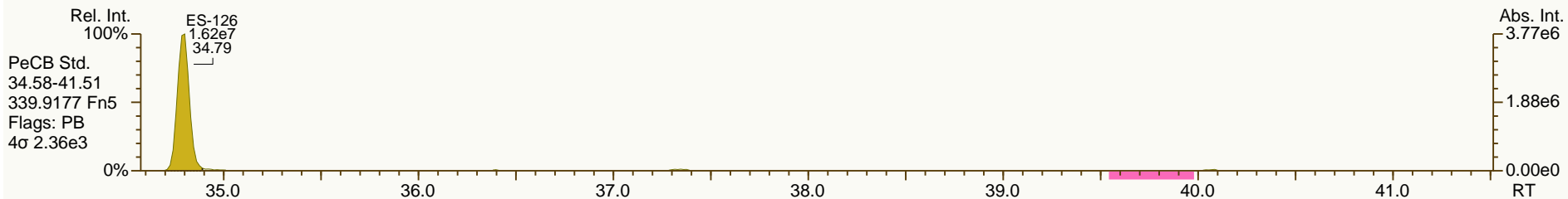
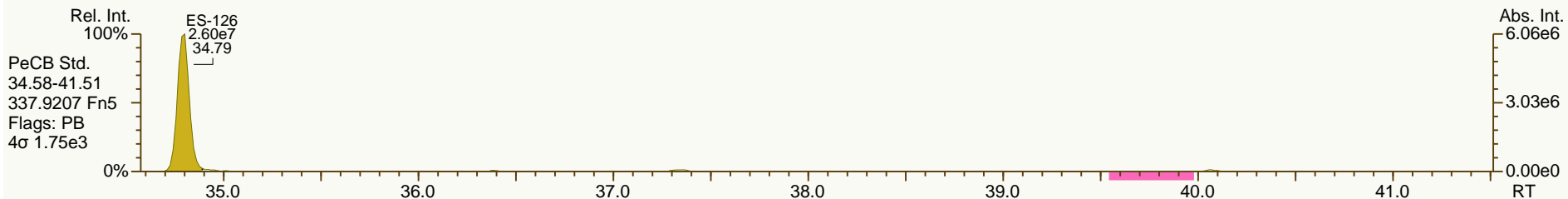
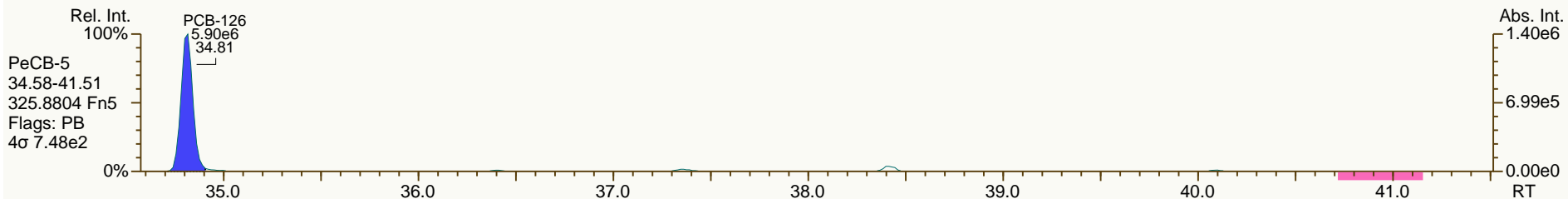
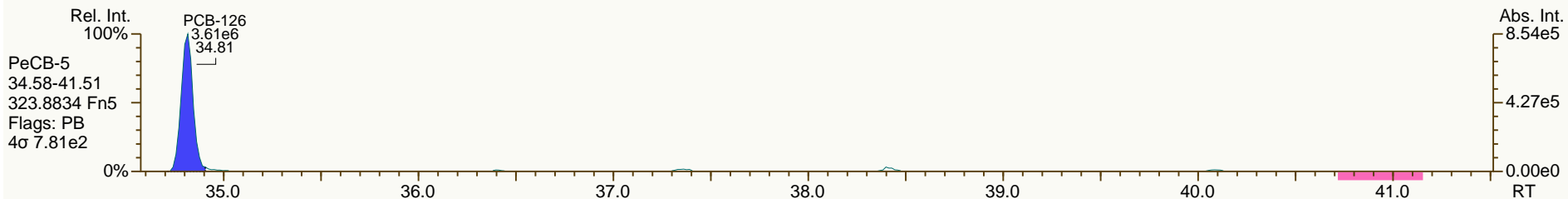
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Sample ID: OPR #73563
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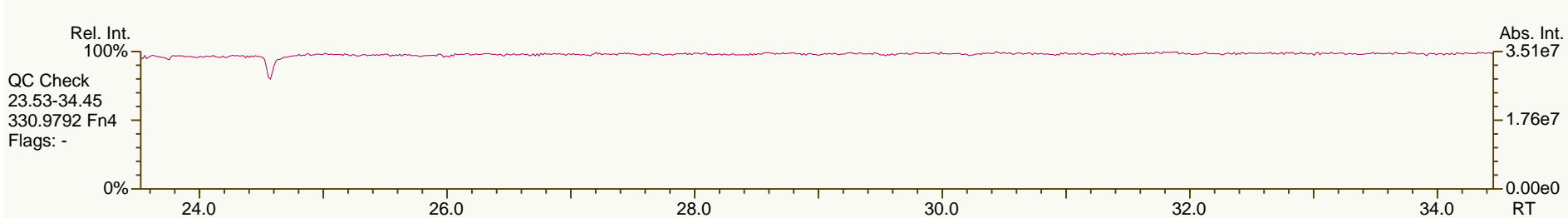
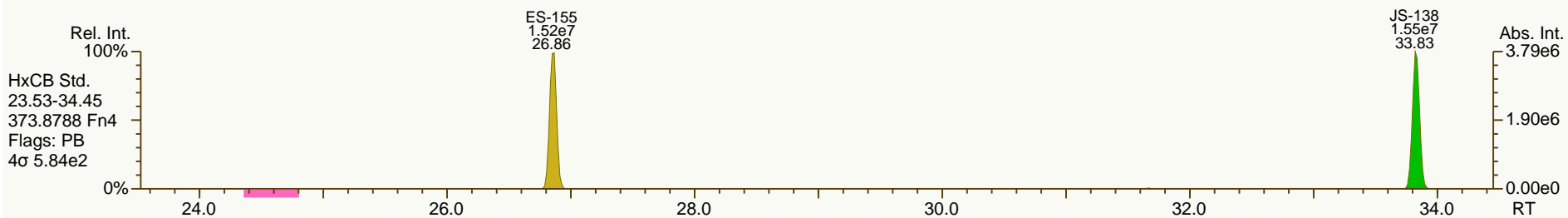
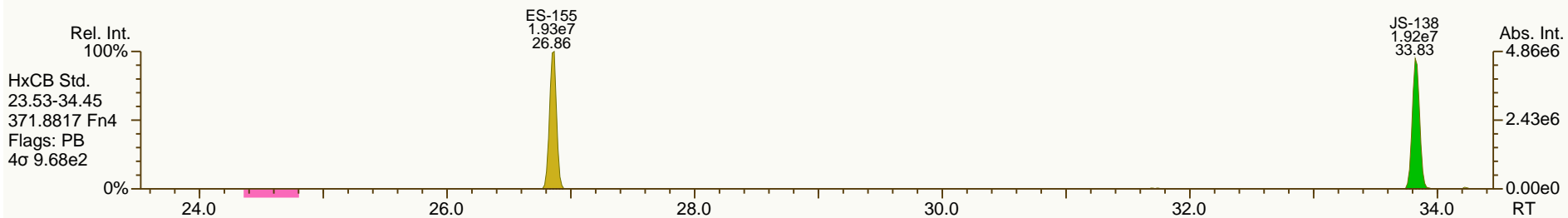
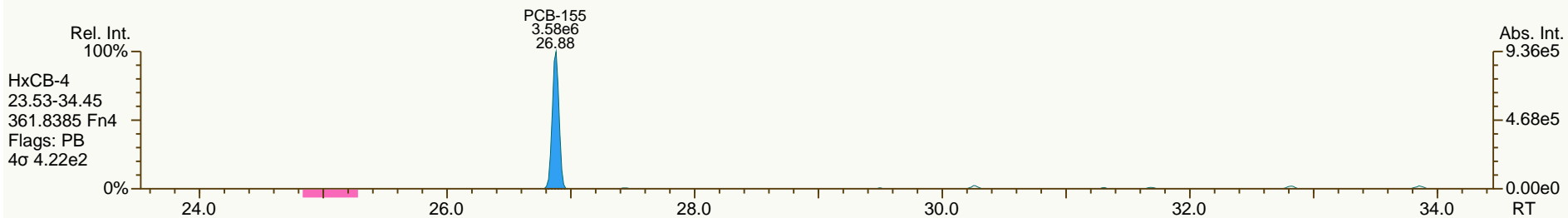
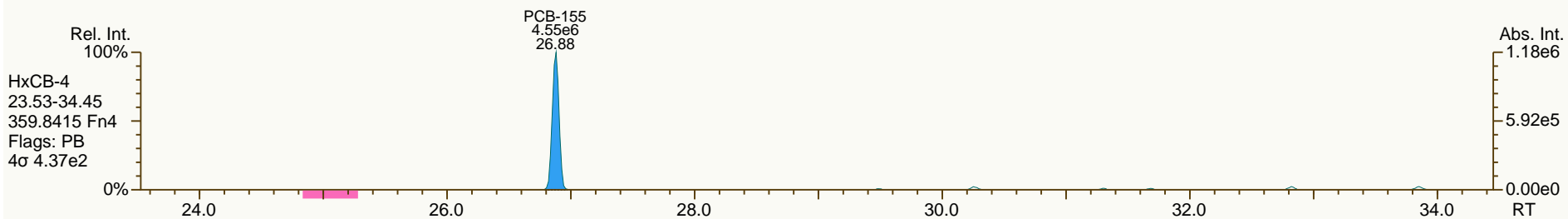
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Sample ID: OPR #73563
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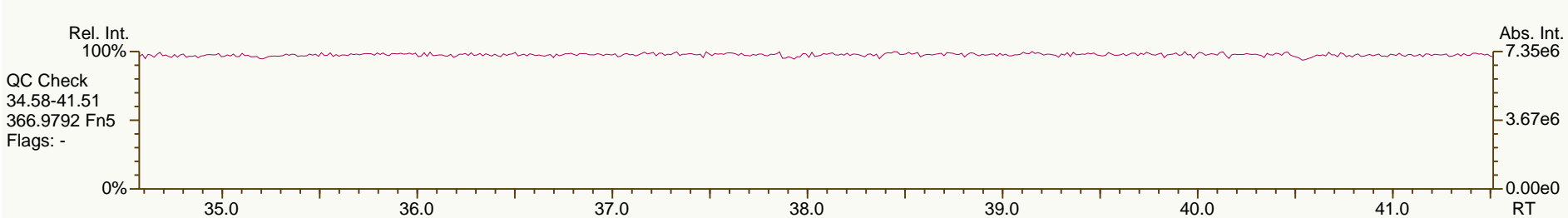
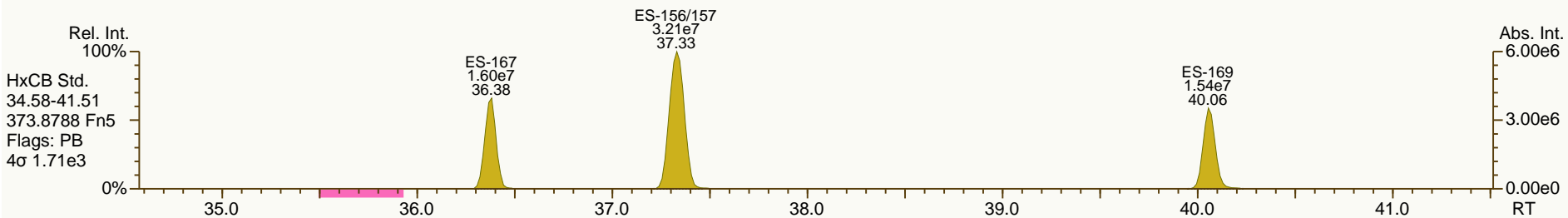
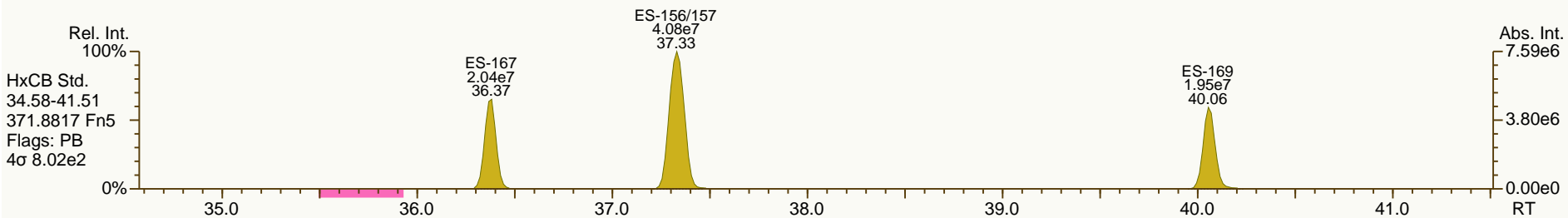
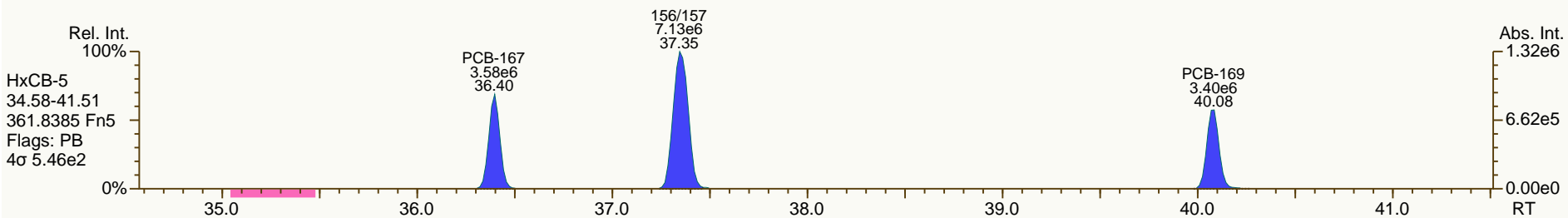
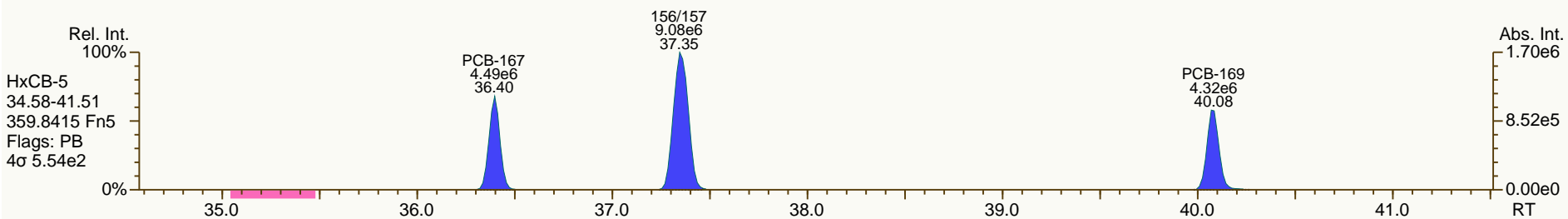
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Sample ID: OPR #73563
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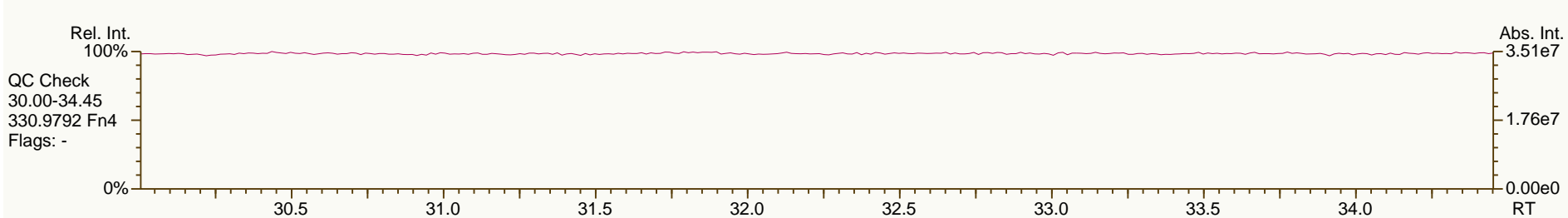
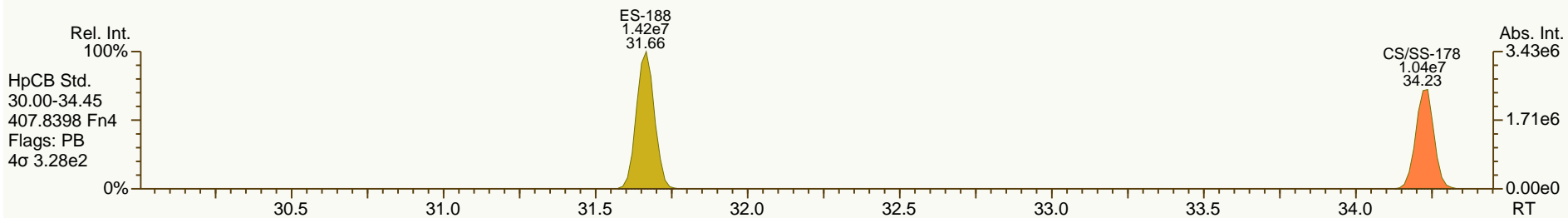
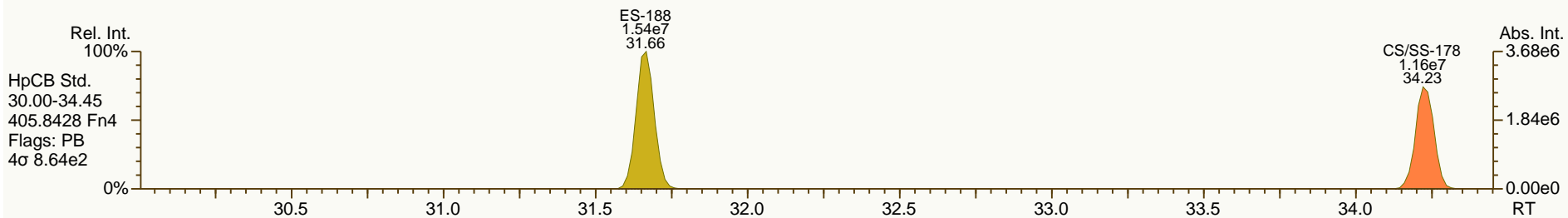
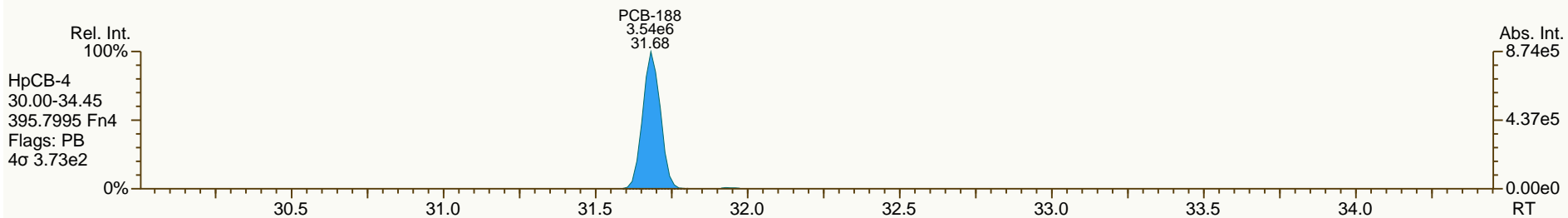
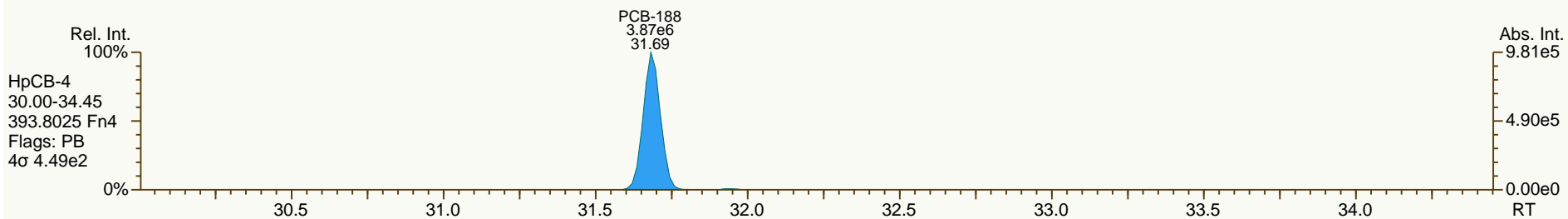
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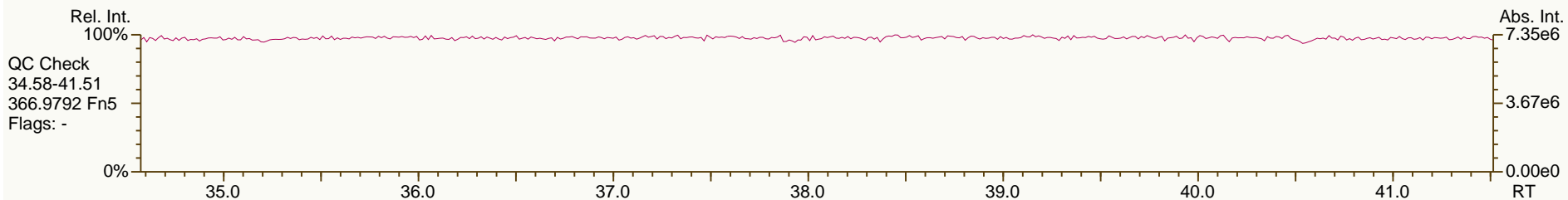
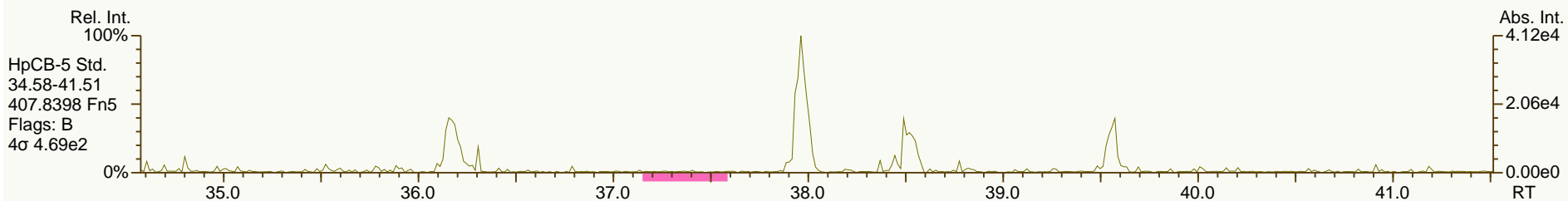
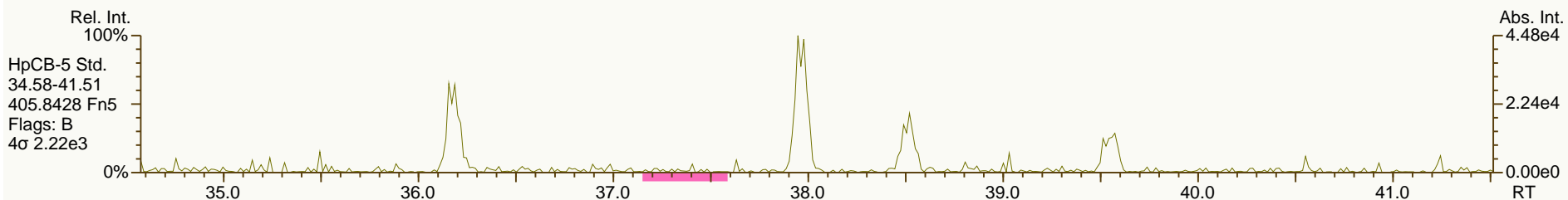
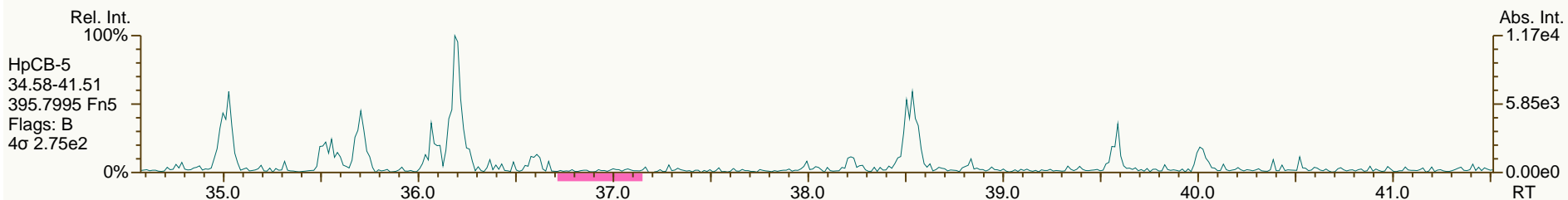
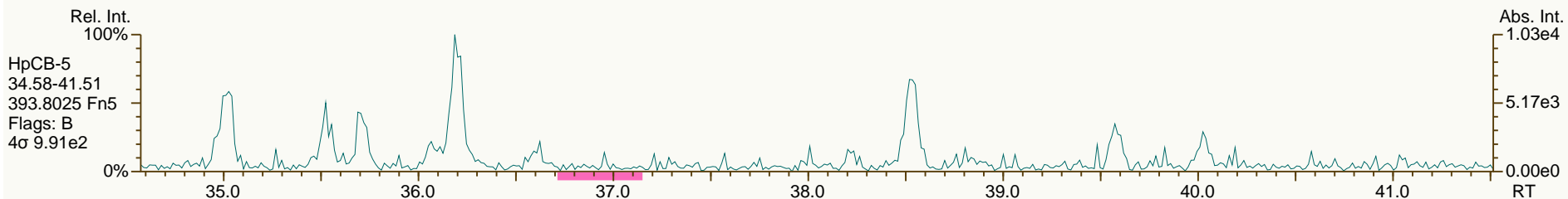
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AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

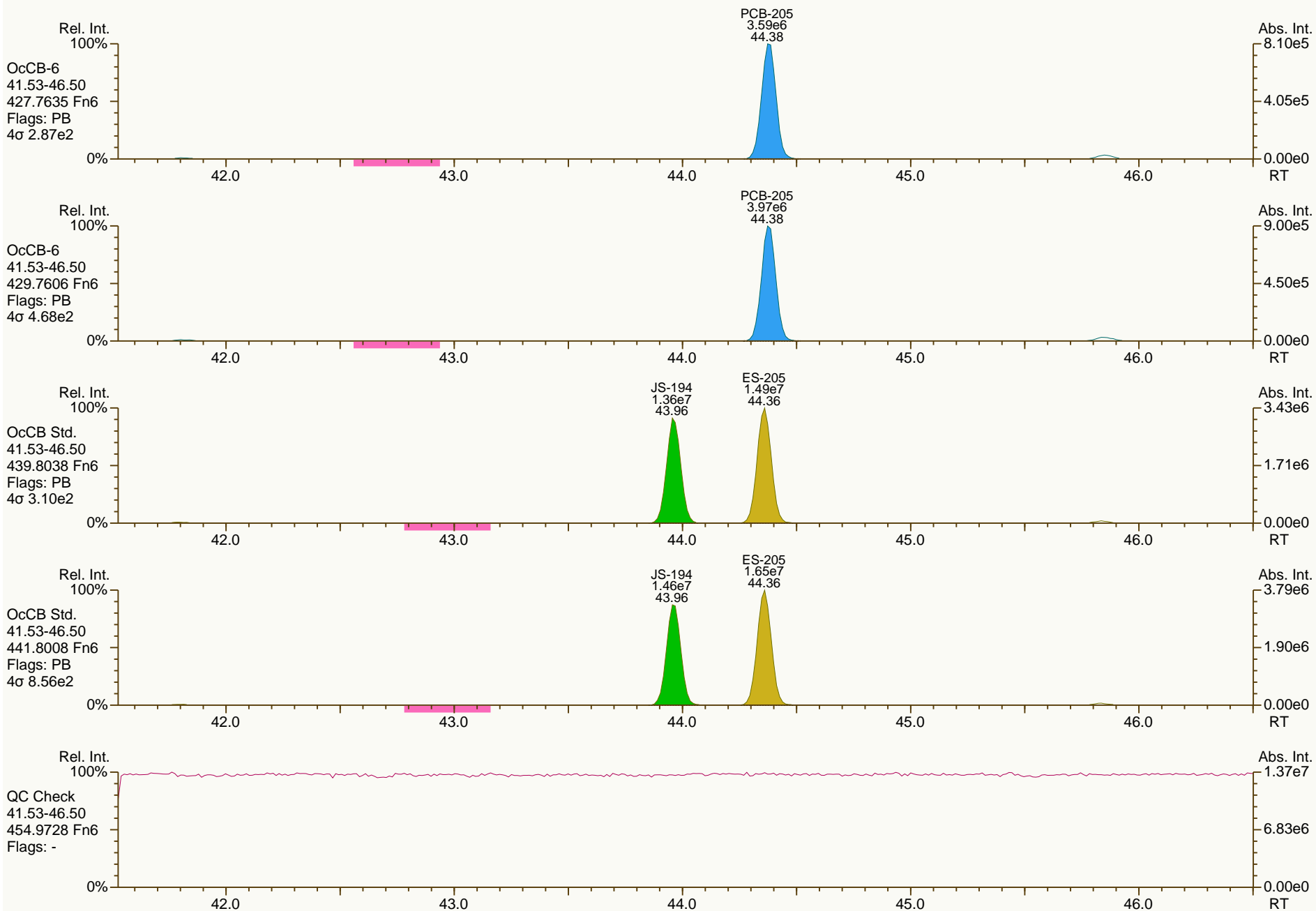
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AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04



AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

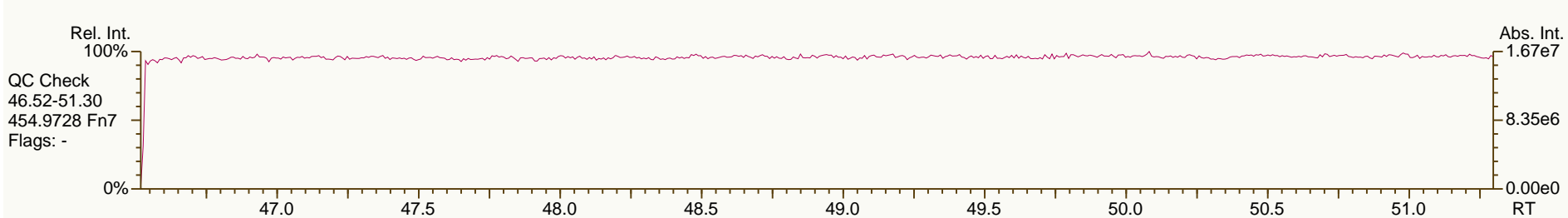
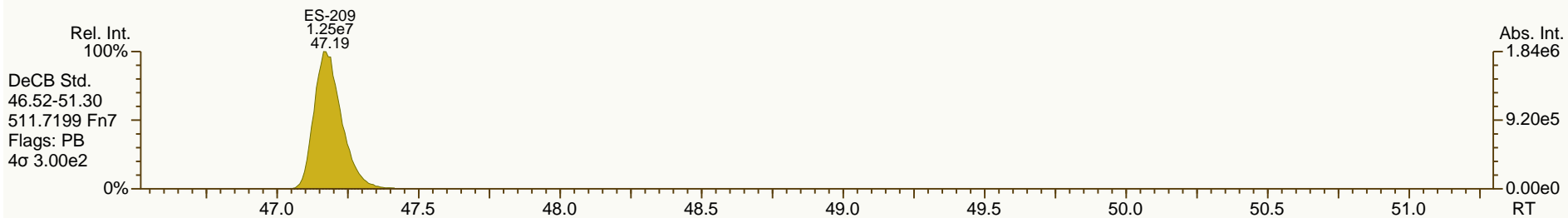
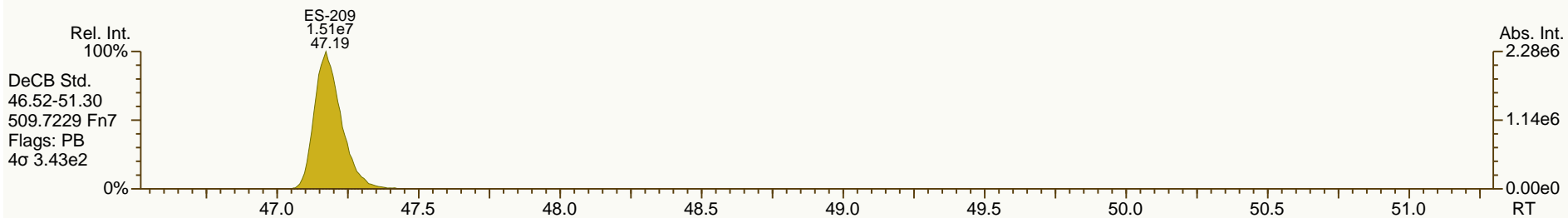
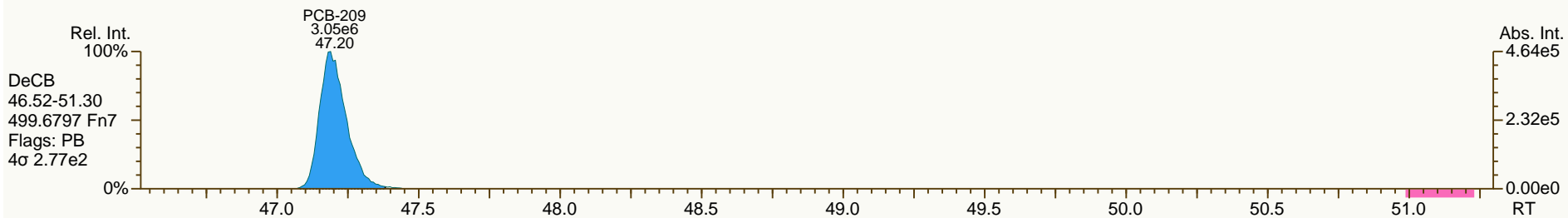
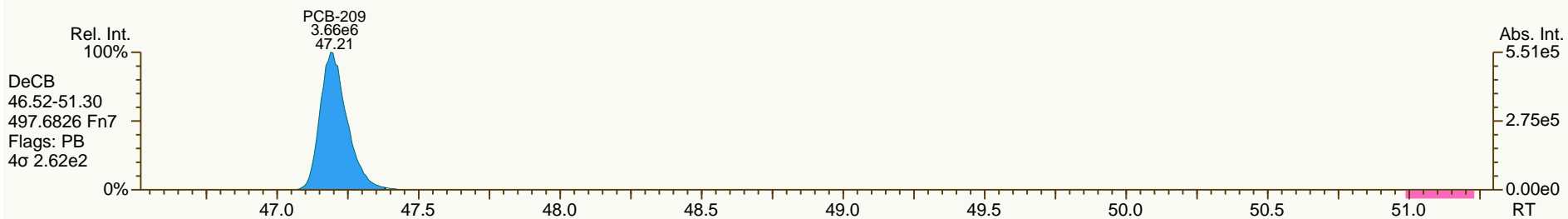
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AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

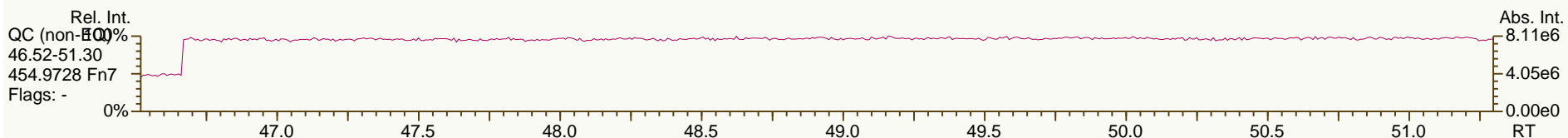
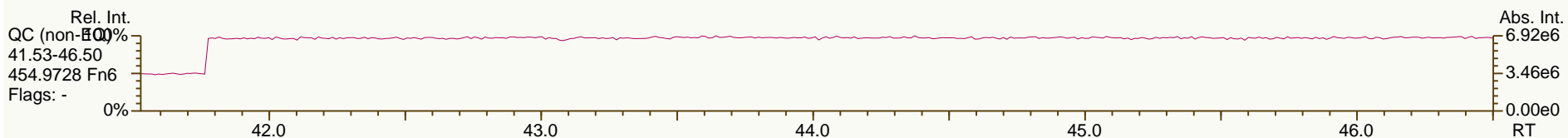
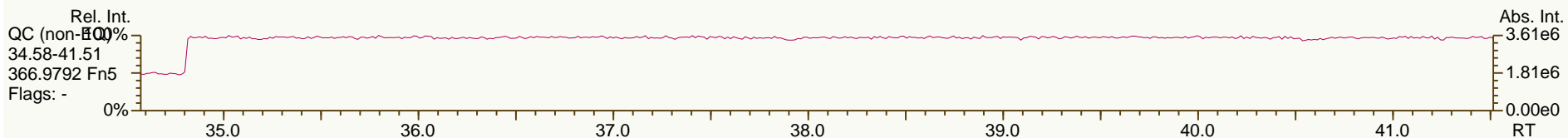
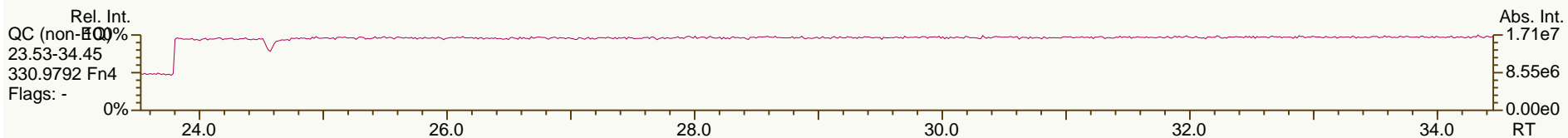
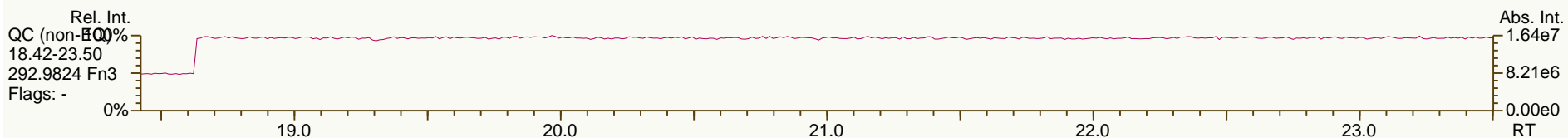
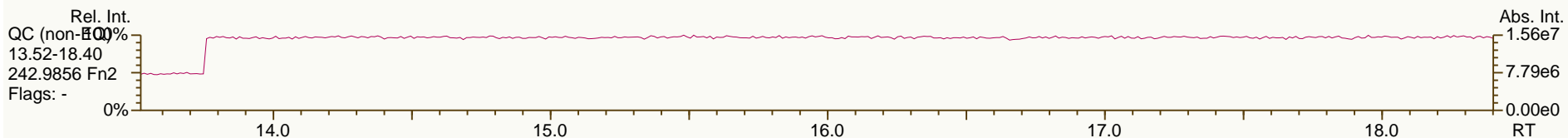
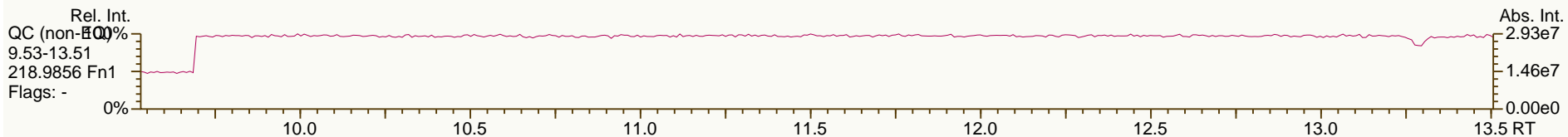
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AP Lab ID: OPR1_9892_PCB
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73563
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 18

Acq: 03-Jul-2012 15:19:13
 User: LKB Datafile: 120703S04





11 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4371
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	10 (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	5/9/2012, 5/11/2012
Condition Received	good
Temperature upon Receipt (C)	3, 1
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.

In the OPR the recovery PCB-205 is slightly below the lower recovery limit (74.6% vs. lower limit of 79%). Some labeled standards slightly exceed the OPR established limits for 1668B. In each case, variances are within the calibration (CS3) variances established for the method.

2. Due to matrix-related effects on the column, extraction standards PCB-77 and PCB-81 tend to reflect high recoveries in the samples. While the Toxic Equivalent (TEQ) will not be affected, other non-coplanar congeners quantified against these standards (reflected in the Total PCB concentration) may be slightly impacted.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads 'Todd Vilen'. The signature is written in a cursive style with a large, sweeping initial 'T'.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time



Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Sample Summary											1668B
Analyte	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.234)	28.2	15.1	10.8	1.89	8.16	8.36	95.0	6.72	32.3	19.4
PCB-81	(0.217)	0.902	(0.39)	[0.311]	(0.501)	(0.552)	(0.335)	3.23	(0.602)	1.21	(0.353)
PCB-105	[0.611]	373	109	52.9	20.5	99.2	59.8	1160	52.1	219	75.4
PCB-114	(0.223)	17.6	4.88	2.47	1.02	5.51	3.12	55.3	[2.17]	10.6	[3.35]
PCB-118	1.69	874	264	136	51.5	253	151	2610	128	537	204
PCB-123	(0.251)	13.8	4.32	2.18	0.900	5.42	2.81	41.1	2.50	9.28	3.16
PCB-126	(0.23)	1.94	0.673	0.575	(0.312)	[1.07]	[0.583]	4.75	(0.494)	1.52	[0.548]
PCB-156/157	(0.279)	149	35.3	17.2	9.89	45.9	21.6	376	20.8	76.6	20.5
PCB-167	(0.204)	40.5	10.2	5.60	2.97	14.2	7.28	103	7.01	23.0	7.09
PCB-169	(0.309)	(1.02)	(0.593)	(0.303)	(0.545)	(0.788)	(0.729)	(0.885)	(0.898)	(0.727)	(0.482)
PCB-189	(0.194)	6.13	1.73	1.2	[0.508]	[2.23]	1.59	12.7	1.28	3.72	1.45
Total Mono-CBs	0.517	58.8	34.0	24.6	2.49	20.0	15.7	105	17.6	137	41.7
Total Di-CBs	23.5	229	166	107	54.1	242	127	709	59.5	274	286
Total Tri-CBs	8.25	700	426	384	181	1510	755	2390	223	803	1210
Total Tetra-CBs	9.44	1720	839	643	206	1730	1000	7870	448	1640	1540
Total Penta-CBs	10.7	5060	1510	850	343	1770	1100	18400	899	3080	1480
Total Hexa-CBs	10.2	4060	1200	755	409	1560	943	10500	841	2370	922
Total Hepta-CBs	(0.333)	859	289	244	106	367	303	2010	252	589	303
Total Octa-CBs	(0.3)	254	81.3	79.8	73.5	109	89.2	592	96.7	180	149
Total Nona-CBs	(0.389)	63.4	25.5	16.6	38.8	18.1	19.1	115	22.7	39.9	34.4
PCB-209	(0.334)	26.0	10.7	8.00	15.1	9.42	8.01	28.6	11.3	15.1	12.9
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.0000506	0.241	0.0816	0.0651	0.00279	0.0135	0.00824	0.616	0.00704	0.182	0.0113
ND = 0; EMPC = EMPC	0.0000689	0.241	0.0816	0.0652	0.00281	0.120	0.0665	0.616	0.0071	0.182	0.0662
ND = DL/2; EMPC = 0	0.0163	0.257	0.0906	0.0696	0.0266	0.0497	0.0387	0.630	0.0453	0.193	0.0388
ND = DL/2; EMPC = EMPC	0.0163	0.257	0.0906	0.0697	0.0266	0.132	0.0775	0.630	0.0453	0.193	0.0734
ND = DL; EMPC = 0	0.0325	0.272	0.0996	0.0742	0.0505	0.086	0.0692	0.643	0.0835	0.204	0.0664
ND = DL; EMPC = EMPC	0.0325	0.272	0.0996	0.0742	0.0505	0.144	0.0885	0.643	0.0836	0.204	0.0807


Checkcode 223-346-WHS 700-644-XVC 132-138-LZY 033-382-FFP 302-095-KNN 950-021-YNL 290-077-ZSC 758-718-ZMK 290-629-QXF 637-454-WXH 100-294-FJP

() = DL
[] = EMPC

Sample Summary (Wet Weight)											1668B
Analyte	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(0.234)	14.2	7.80	6.28	0.843	3.65	5.03	60.2	3.70	16.3	12.1
PCB-81	(0.217)	0.455	(0.201)	[0.181]	(0.224)	(0.247)	(0.201)	2.05	(0.332)	0.607	(0.222)
PCB-105	[0.611]	188	56.5	30.8	9.14	44.4	35.9	733	28.7	110	47.3
PCB-114	(0.223)	8.89	2.52	1.44	0.455	2.47	1.87	35.1	[1.2]	5.35	[2.1]
PCB-118	1.69	441	136	79.0	23.0	113	90.5	1660	70.8	270	128
PCB-123	(0.251)	6.94	2.23	1.27	0.401	2.43	1.69	26.1	1.38	4.67	1.98
PCB-126	(0.23)	0.978	0.347	0.334	(0.139)	[0.477]	[0.35]	3.01	(0.272)	0.766	[0.343]
PCB-156/157	(0.279)	74.9	18.2	10.0	4.41	20.6	13.0	239	11.4	38.5	12.8
PCB-167	(0.204)	20.4	5.24	3.26	1.33	6.37	4.37	65.5	3.86	11.6	4.44
PCB-169	(0.309)	(0.514)	(0.306)	(0.176)	(0.243)	(0.353)	(0.438)	(0.561)	(0.495)	(0.366)	(0.302)
PCB-189	(0.194)	3.09	0.891	0.699	[0.226]	[0.997]	0.954	8.03	0.705	1.87	0.908
Total Mono-CBs	0.517	29.6	17.5	14.3	1.11	8.94	9.42	66.9	9.69	69.0	26.1
Total Di-CBs	23.5	115	85.9	62.0	24.1	108	76.2	450	32.8	138	179
Total Tri-CBs	8.25	353	220	224	80.9	677	454	1510	123	404	759
Total Tetra-CBs	9.44	865	433	374	92.0	777	603	4990	247	823	966
Total Penta-CBs	10.7	2550	781	495	153	792	659	11600	495	1550	926
Total Hexa-CBs	10.2	2050	620	440	183	697	567	6660	463	1190	578
Total Hepta-CBs	(0.333)	433	149	142	47.3	164	182	1280	139	296	190
Total Octa-CBs	(0.3)	128	42.0	46.4	32.8	48.9	53.6	375	53.3	90.4	93.2
Total Nona-CBs	(0.389)	32.0	13.2	9.64	17.3	8.11	11.5	73.2	12.5	20.1	21.6
PCB-209	(0.334)	13.1	5.52	4.66	6.74	4.22	4.82	18.1	6.23	7.57	8.06
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.0000506	0.122	0.0421	0.0379	0.00125	0.00605	0.00495	0.391	0.00388	0.0917	0.00708
ND = 0; EMPC = EMPC	0.0000689	0.122	0.0421	0.0379	0.00125	0.0538	0.0400	0.391	0.00391	0.0917	0.0415
ND = DL/2; EMPC = 0	0.0163	0.129	0.0467	0.0405	0.0119	0.0223	0.0233	0.399	0.0250	0.0972	0.0243
ND = DL/2; EMPC = EMPC	0.0163	0.129	0.0467	0.0406	0.0119	0.0591	0.0466	0.399	0.0250	0.0972	0.046
ND = DL; EMPC = 0	0.0325	0.137	0.0514	0.0432	0.0225	0.0385	0.0416	0.408	0.0460	0.103	0.0416
ND = DL; EMPC = EMPC	0.0325	0.137	0.0514	0.0432	0.0225	0.0645	0.0532	0.408	0.0461	0.103	0.0506

Checkcode 223-346-WHS 700-644-XVC 132-138-LZY 033-382-FFP 302-095-KNN 950-021-YNL 290-077-ZSC 758-718-ZMK 290-629-QXF 637-454-WXH 100-294-PJP

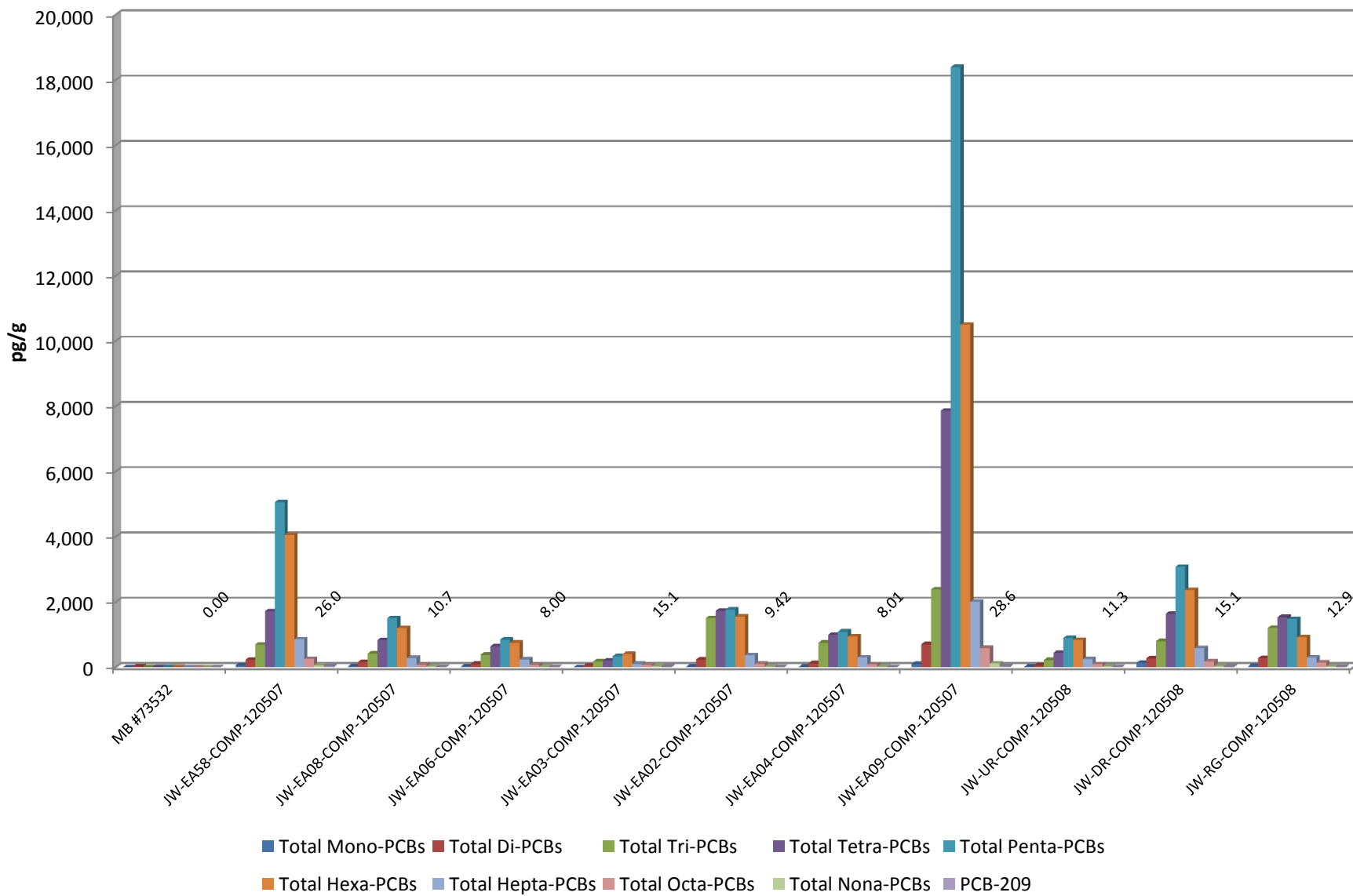
() = DL
[] = EMPC

PCB Recoveries		 1668B									
Standard	MB #73532	JW-EA58-COMP-120507	JW-EA08-COMP-120507	JW-EA06-COMP-120507	JW-EA03-COMP-120507	JW-EA02-COMP-120507	JW-EA04-COMP-120507	JW-EA09-COMP-120507	JW-UR-COMP-120508	JW-DR-COMP-120508	JW-RG-COMP-120508
ES PCB-1	50.2	49.7	52.1	45.8	50.5	49.6	46.8	47.3	33.6	51.5	51.8
ES PCB-3	47.7	56.4	53.4	50.8	49.8	49.3	49.7	53.5	38.0	50.4	54.8
ES PCB-4	43.9	41.5	41.7	39.2	40.3	40.1	39.0	39.8	33.1	39.5	39.9
ES PCB-15	61.8	79.5	77.6	75.3	73.6	72.3	74.8	76.5	66.6	78.3	78.1
ES PCB-19	57.1	56.4	57.5	54.1	54.1	52.7	51.5	55.6	47.8	53.5	57.9
ES PCB-37	80.3	122	124	123	123	121	119	125	120	124	132
ES PCB-54	59.3	80.6	80.2	72.1	78.0	82.6	71.9	74.8	78.5	76.4	79.0
ES PCB-77	106	152	151	153	158	152	146	155	160	160	164
ES PCB-81	112	165	167	170	174	163	161	170	169	172	179
ES PCB-104	46.6	54.8	58.9	57.5	58.1	56.3	59.5	55.7	50.0	55.8	56.3
ES PCB-105	92.2	95.8	102	101	104	101	102	99.1	102	102	107
ES PCB-114	86.6	94.0	97.7	97.3	98.6	94.3	98.6	95.1	95.0	98.9	99.0
ES PCB-118	90.2	99.3	104	103	106	101	102	102	103	102	106
ES PCB-123	85.4	95.9	96.7	97.4	98.5	98.0	96.5	95.7	95.5	100	101
ES PCB-126	96.2	126	135	133	135	137	126	131	132	138	139
ES PCB-155	85.9	106	102	102	92.1	89.2	90.0	100	90.2	90.0	94.3
ES PCB-156/157	110	127	119	122	110	118	107	124	115	119	123
ES PCB-167	109	130	126	127	123	118	118	128	125	122	122
ES PCB-169	79.8	96.4	115	107	112	103	73.0	99.6	91.1	116	110
ES PCB-188	69.9	79.5	82.9	80.2	82.2	77.7	75.9	79.6	77.2	75.0	76.7
ES PCB-189	97.5	126	132	129	131	121	123	125	128	123	124
ES PCB-202	80.1	83.6	87.3	88.3	86.1	89.2	84.0	87.1	87.5	83.1	86.9
ES PCB-205	109	109	110	109	112	105	104	108	109	109	110
ES PCB-206	92.6	88.4	82.7	84.3	76.9	87.0	74.8	88.1	78.5	83.5	84.6
ES PCB-208	91.8	87.1	90.8	90.5	90.6	85.6	85.8	85.7	91.8	85.8	88.2
ES PCB-209	93.7	89.1	89.9	89.9	92.0	87.8	85.7	87.7	90.1	86.6	88.5

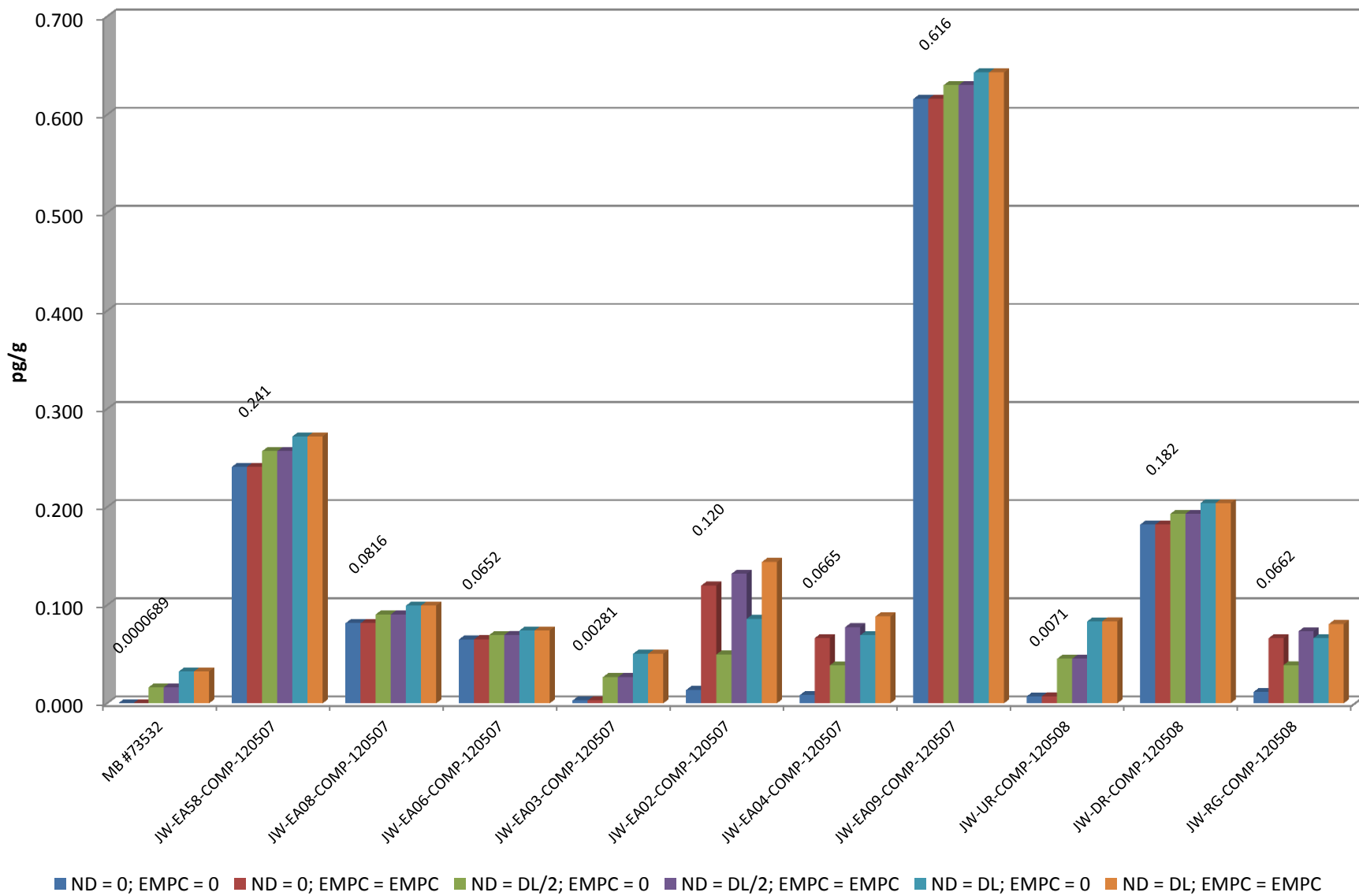
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() = DL
[] = EMPC

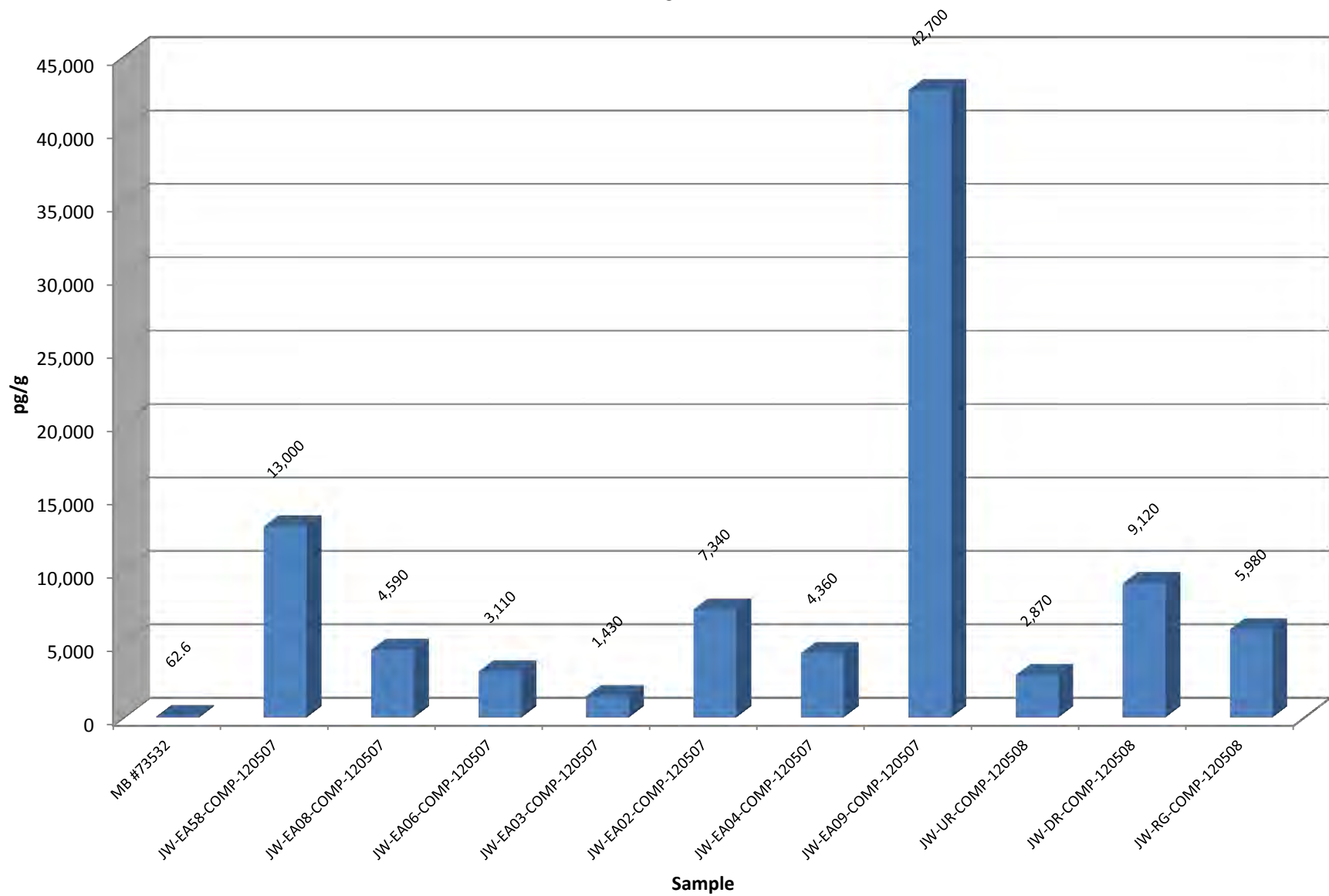
PCB Homologues
Project ID: Jeld-Wen Surface Sediment
A4371



PCB TEQ
Project ID: Jeld-Wen Surface Sediment
A4371



PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4371



Sample ID: MB #73532**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.00 g	Sample ID:	MB1_9893_PCB_SDS-RJ	Date Extracted:	25-May-2012
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.234			ES PCB-1	50.2	
PCB-81 344'5'-TeCB	ND	0.217			ES PCB-3	47.7	
PCB-105 233'44'-PeCB	EMPC		0.611	J	ES PCB-4	43.9	
PCB-114 2344'5'-PeCB	ND	0.223			ES PCB-15	61.8	
PCB-118 23'44'5'-PeCB	1.69			J	ES PCB-19	57.1	
PCB-123 23'44'5'-PeCB	ND	0.251			ES PCB-37	80.3	
PCB-126 33'44'5'-PeCB	ND	0.23			ES PCB-54	59.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.279		C	ES PCB-77	106	
PCB-167 23'44'55'-HxCB	ND	0.204			ES PCB-81	112	
PCB-169 33'44'55'-HxCB	ND	0.309			ES PCB-104	46.6	
PCB-189 233'44'55'-HpCB	ND	0.194			ES PCB-105	92.2	
					ES PCB-114	86.6	
TEQs (WHO M/H)					ES PCB-118	90.2	
					ES PCB-123	85.4	
ND = 0	0.0000506		0.0000689		ES PCB-126	96.2	
ND = 0.5 x DL	0.0163		0.0163				
					ES PCB-155	85.9	
Totals					ES PCB-156/157	110	
					ES PCB-167	109	
					ES PCB-169	79.8	
Mono-CBs	0.517						
Di-CBs	23.5						
Tri-CBs	8.25						
Tetra-CBs	9.44		9.83		ES PCB-188	69.9	
Penta-CBs	10.7		12.5		ES PCB-189	97.5	
Hexa-CBs	10.2		11.1		ES PCB-202	80.1	
Hepta-CBs	ND	0.333			ES PCB-205	109	
Octa-CBs	ND	0.3			ES PCB-206	92.6	
Nona-CBs	ND	0.389			ES PCB-208	91.8	
Deca-CB	ND	0.334			ES PCB-209	93.7	
					CS PCB-28	96.7	
Total PCB (Mono-Deca)	62.6		65.7		CS PCB-111	103	
					CS PCB-178	80.1	

Checkcode: 223-346-WHS


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:01 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #73532**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	n/a							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.00 g		Sample ID:	MB1_9893_PCB_SDS-RJ		Date Extracted:	25-May-2012							
Date Collected:	n/a		% Solids	n/a		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	223-346-WHS		Time Analyzed:	14:38:04							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	0.517	J	PCB-19	(0.491)		PCB-54	(0.236)		PCB-72	(0.211)							
PCB-2	(0.325)		PCB-30/18	1.85	J C	PCB-50/53	(0.22)	C	PCB-68	(0.203)							
PCB-3	(0.36)		PCB-17	1.09	J	PCB-45	(0.258)		PCB-57	(0.225)							
			PCB-27	(0.356)		PCB-51	(0.218)		PCB-58	(0.226)							
Conc.	0.517		PCB-24	(0.373)		PCB-46	(0.268)		PCB-67	(0.22)							
EMPC	0.517		PCB-16	(0.595)		PCB-52	3.08		PCB-63	(0.205)							
			PCB-32	(0.331)		PCB-73	(0.182)		PCB-61/70/74/76	1.98	J C						
Di	Conc.	Qualifiers	PCB-34	(0.421)		PCB-43	(0.264)		PCB-66	1.17	J						
PCB-4	(5.44)		PCB-23	(0.402)		PCB-69/49	1.07	J C	PCB-55	(0.23)							
PCB-10	(3.11)		PCB-26/29	0.623	J C	PCB-48	(0.237)		PCB-56	(0.235)							
PCB-9	(2.81)		PCB-25	(0.402)		PCB-44/47/65	1.69	J C	PCB-60	(0.223)							
PCB-7	(2.49)		PCB-31	1.34	J	PCB-59/62/75	(0.174)	C	PCB-80	(0.201)							
PCB-6	(2.58)		PCB-28/20	1.58	J C	PCB-42	(0.249)		PCB-79	(0.215)							
PCB-5	(2.63)		PCB-21/33	0.696	J C	PCB-41	(0.284)		PCB-78	(0.26)							
PCB-8	1.45	J	PCB-22	0.542	J	PCB-71/40	0.448	J C	PCB-81	(0.217)							
PCB-14	(2.26)		PCB-36	(0.413)		PCB-64	[0.388]	J EMPC	PCB-77	(0.234)							
PCB-11	22		PCB-39	(0.399)													
PCB-13/12	(2.66)	C	PCB-38	(0.448)													
PCB-15	(2.58)		PCB-35	(0.45)													
			PCB-37	0.538	J												
Conc.	23.5		Conc.	8.25					Conc.	9.44							
EMPC	23.5		EMPC	8.25					EMPC	9.83							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						32.3			32.3		
						Tetra-Hexa						30.3			33.4		
						Hepta-Deca						0			0		
						Mono-Deca						62.6			65.7		

Sample ID: MB #73532						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.354)		PCB-109/119/86...	[1.2]	J EMPC C	PCB-155	(0.234)		PCB-165	(0.315)	
PCB-96	(0.348)		PCB-117	(0.325)		PCB-152	(0.249)		PCB-146	(0.366)	
PCB-103	(0.269)		PCB-116/85	(0.232)	C	PCB-150	(0.242)		PCB-161	(0.282)	
PCB-94	(0.307)		PCB-110	2.46		PCB-136	(0.268)		PCB-153/168	2.58	J C
PCB-95	2.67		PCB-115	(0.231)		PCB-145	(0.26)		PCB-141	(0.381)	
PCB-100/93	(0.28)	C	PCB-82	(0.359)		PCB-148	(0.343)		PCB-130	(0.426)	
PCB-102	(0.238)		PCB-111	(0.224)		PCB-151/135	1.45	J C	PCB-137	(0.375)	
PCB-98	(0.323)		PCB-120	(0.223)		PCB-154	(0.317)		PCB-164	(0.279)	
PCB-88	(0.315)		PCB-108/124	(0.242)	C	PCB-144	(0.354)		PCB-163/138/129	2.96	J C
PCB-91	(0.257)		PCB-107	(0.237)		PCB-147/149	3.2	J C	PCB-160	(0.289)	
PCB-84	(0.329)		PCB-123	(0.251)		PCB-134	(0.423)		PCB-158	(0.265)	
PCB-89	(0.314)		PCB-106	(0.248)		PCB-143	(0.373)		PCB-128/166	(0.223)	C
PCB-121	(0.218)		PCB-118	1.69	J	PCB-139/140	(0.338)	C	PCB-159	(0.209)	
PCB-92	(0.312)		PCB-122	(0.253)		PCB-131	(0.406)		PCB-162	(0.197)	
PCB-113/90/101	2.72	J C	PCB-114	(0.223)		PCB-142	(0.4)		PCB-167	(0.204)	
PCB-83	(0.36)		PCB-105	[0.611]	J EMPC	PCB-132	[0.866]	J EMPC	PCB-156/157	(0.279)	C
PCB-99	1.15	J	PCB-127	(0.255)		PCB-133	(0.386)		PCB-169	(0.309)	
PCB-112	(0.224)		PCB-126	(0.23)							
			Conc.	10.7					Conc.	10.2	
			EMPC	12.5					EMPC	11.1	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.344)		PCB-174	(0.44)		PCB-202	(0.375)		PCB-208	(0.364)	
PCB-179	(0.354)		PCB-177	(0.445)		PCB-201	(0.314)		PCB-207	(0.35)	
PCB-184	(0.365)		PCB-181	(0.395)		PCB-204	(0.336)		PCB-206	(0.414)	
PCB-176	(0.329)		PCB-171/173	(0.441)	C	PCB-197	(0.289)				
PCB-186	(0.35)		PCB-172	(0.408)		PCB-200	(0.362)		Conc.	0	
PCB-178	(0.457)		PCB-192	(0.313)		PCB-198/199	(0.446)	C	EMPC	0	
PCB-175	(0.385)		PCB-180/193	(0.295)	C	PCB-196	(0.442)				
PCB-187	(0.361)		PCB-191	(0.31)		PCB-203	(0.405)		Deca	Conc.	Qualifiers
PCB-182	(0.363)		PCB-170	(0.356)		PCB-195	(0.366)		PCB-209	(0.334)	
PCB-183	(0.346)		PCB-190	(0.317)		PCB-194	(0.33)				
PCB-185	(0.399)		PCB-189	(0.194)		PCB-205	(0.224)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-EA58-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.19 g	Sample ID:	A4371_9893_PCB_001-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	50.4 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	28.2				ES PCB-1	49.7	
PCB-81 344'5'-TeCB	0.902			J	ES PCB-3	56.4	
PCB-105 233'44'-PeCB	373				ES PCB-4	41.5	
PCB-114 2344'5'-PeCB	17.6				ES PCB-15	79.5	
PCB-118 23'44'5'-PeCB	874				ES PCB-19	56.4	
PCB-123 23'44'5'-PeCB	13.8				ES PCB-37	122	
PCB-126 33'44'5'-PeCB	1.94				ES PCB-54	80.6	
PCB-156/157 233'44'5'/233'44'5'-HxCB	149			C	ES PCB-77	152 V	
PCB-167 23'44'55'-HxCB	40.5				ES PCB-81	165 V	
PCB-169 33'44'55'-HxCB	ND	1.02			ES PCB-104	54.8	
PCB-189 233'44'55'-HpCB	6.13				ES PCB-105	95.8	
					ES PCB-114	94	
TEQs (WHO M/H)					ES PCB-118	99.3	
					ES PCB-123	95.9	
ND = 0	0.241			0.241	ES PCB-126	126 V	
ND = 0.5 x DL	0.257			0.257			
					ES PCB-155	106	
Totals					ES PCB-156/157	127 V	
					ES PCB-167	130 V	
					ES PCB-169	96.4	
Mono-CBs	58.8						
Di-CBs	229						
Tri-CBs	700			701			
Tetra-CBs	1,720				ES PCB-188	79.5	
Penta-CBs	5,060			5,060	ES PCB-189	126 V	
Hexa-CBs	4,060				ES PCB-202	83.6	
Hepta-CBs	859			871	ES PCB-205	109	
Octa-CBs	254			255	ES PCB-206	88.4	
Nona-CBs	63.4				ES PCB-208	87.1	
Deca-CB	26				ES PCB-209	89.1	
					CS PCB-28	135 V	
Total PCB (Mono-Deca)	13,000			13,000	CS PCB-111	110	
					CS PCB-178	84.2	

Checkcode: 700-644-XVC


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:31 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA58-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.19 g		Sample ID:	A4371_9893_PCB_001-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	50.4 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	700-644-XVC		Time Analyzed:	15:31:06				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	20		PCB-19	3.89		PCB-54	0.272	J	PCB-72	2.58				
PCB-2	14.1		PCB-30/18	64.6	C	PCB-50/53	10.2	C	PCB-68	1.54				
PCB-3	24.7		PCB-17	32.4		PCB-45	9.29		PCB-57	0.672	J			
			PCB-27	5.39		PCB-51	3.03		PCB-58	0.823	J			
Conc.	58.8		PCB-24	0.784	J	PCB-46	4.09		PCB-67	6.69				
EMPC	58.8		PCB-16	29.1		PCB-52	257		PCB-63	8.18				
			PCB-32	23.5		PCB-73	0.366	J	PCB-61/70/74/76	536	C			
Di	Conc.	Qualifiers	PCB-34	(0.414)		PCB-43	3.4		PCB-66	268				
PCB-4	11		PCB-23	(0.396)		PCB-69/49	82.7	C	PCB-55	4.6				
PCB-10	0.579	J	PCB-26/29	21	C	PCB-48	18.8		PCB-56	111				
PCB-9	2.24		PCB-25	10.9		PCB-44/47/65	143	C	PCB-60	55.1				
PCB-7	1.94		PCB-31	131		PCB-59/62/75	8.42	C	PCB-80	(0.386)				
PCB-6	8		PCB-28/20	174	C	PCB-42	29.2		PCB-79	5.66				
PCB-5	0.895	J	PCB-21/33	68.5	C	PCB-41	8.49		PCB-78	(0.498)				
PCB-8	40.4		PCB-22	51.5		PCB-71/40	53.9	C	PCB-81	0.902	J			
PCB-14	0.373	J	PCB-36	[1.33]	J EMPC	PCB-64	53		PCB-77	28.2				
PCB-11	108		PCB-39	(0.393)										
PCB-13/12	8.51	C	PCB-38	(0.441)										
PCB-15	46.6		PCB-35	6.18										
			PCB-37	77.1										
Conc.	229		Conc.	700					Conc.	1,720				
EMPC	229		EMPC	701					EMPC	1,720				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			987			989		
						Tetra-Hexa			10,800			10,800		
						Hepta-Deca			1,200			1,220		
						Mono-Deca			13,000			13,000		

Sample ID: JW-EA58-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.172)		PCB-109/119/86...	532	C	PCB-155	(0.122)		PCB-165	(0.163)	
PCB-96	2.76		PCB-117	23.3		PCB-152	(0.129)		PCB-146	135	
PCB-103	3.04		PCB-116/85	106	C	PCB-150	(0.126)		PCB-161	(0.146)	
PCB-94	[1.69]	EMPC	PCB-110	910		PCB-136	84.6		PCB-153/168	675	C
PCB-95	423		PCB-115	25.2		PCB-145	(0.135)		PCB-141	148	
PCB-100/93	2.8	C	PCB-82	91		PCB-148	(0.178)		PCB-130	71.9	
PCB-102	10.6		PCB-111	(0.246)		PCB-151/135	206	C	PCB-137	61.8	
PCB-98	(0.355)		PCB-120	1.9		PCB-154	8.28		PCB-164	58.4	
PCB-88	(0.346)		PCB-108/124	32.1	C	PCB-144	32.6		PCB-163/138/129	1,120	C
PCB-91	69.5		PCB-107	57.4		PCB-147/149	591	C	PCB-160	(0.15)	
PCB-84	166		PCB-123	13.8		PCB-134	51.3		PCB-158	107	
PCB-89	4.68		PCB-106	(0.272)		PCB-143	1.84		PCB-128/166	172	C
PCB-121	(0.239)		PCB-118	874		PCB-139/140	17.4	C	PCB-159	(0.736)	
PCB-92	132		PCB-122	10.9		PCB-131	13.7		PCB-162	3.51	
PCB-113/90/101	751	C	PCB-114	17.6		PCB-142	(0.208)		PCB-167	40.5	
PCB-83	37.4		PCB-105	373		PCB-132	308		PCB-156/157	149	C
PCB-99	387		PCB-127	(0.3)		PCB-133	12.7		PCB-169	(1.02)	
PCB-112	(0.246)		PCB-126	[1.94]							
			Conc.	5,060					Conc.	4,060	
			EMPC	5,060					EMPC	4,060	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.148)		PCB-174	123		PCB-202	16.9		PCB-208	14.4	
PCB-179	44.7		PCB-177	79.7		PCB-201	7.9		PCB-207	4.78	
PCB-184	(0.156)		PCB-181	1.84		PCB-204	(0.176)		PCB-206	44.3	
PCB-176	[12.4]	EMPC	PCB-171/173	43.9	C	PCB-197	[0.981]	J EMPC			
PCB-186	(0.15)		PCB-172	10.9		PCB-200	8.57		Conc.	63.4	
PCB-178	23.2		PCB-192	(0.237)		PCB-198/199	70.8	C	EMPC	63.4	
PCB-175	5.29		PCB-180/193	182	C	PCB-196	25.8				
PCB-187	145		PCB-191	4.18		PCB-203	42.1		Deca	Conc.	Qualifiers
PCB-182	0.894	J	PCB-170	91.6		PCB-195	20.8		PCB-209	26	
PCB-183	69		PCB-190	19.1		PCB-194	58.5				
PCB-185	8.01		PCB-189	6.13		PCB-205	2.21				
			Conc.	859		Conc.	254				
			EMPC	871		EMPC	255				

Sample ID: JW-EA08-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	10-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	8.15 g	Sample ID:	A4371_9893_PCB_002-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	51.6 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	15.1				ES PCB-1	52.1	
PCB-81 344'5"-TeCB	ND	0.39			ES PCB-3	53.4	
PCB-105 233'44"-PeCB	109				ES PCB-4	41.7	
PCB-114 2344'5"-PeCB	4.88				ES PCB-15	77.6	
PCB-118 23'44'5"-PeCB	264				ES PCB-19	57.5	
PCB-123 23'44'5"-PeCB	4.32				ES PCB-37	124 V	
PCB-126 33'44'5"-PeCB	0.673			J	ES PCB-54	80.2	
PCB-156/157 233'44'5"/233'44'5"-HxCB	35.3			C	ES PCB-77	151 V	
PCB-167 23'44'55"-HxCB	10.2				ES PCB-81	167 V	
PCB-169 33'44'55"-HxCB	ND	0.593			ES PCB-104	58.9	
PCB-189 233'44'55"-HpCB	1.73				ES PCB-105	102	
					ES PCB-114	97.7	
TEQs (WHO M/H)					ES PCB-118	104	
					ES PCB-123	96.7	
ND = 0	0.0816		0.0816		ES PCB-126	135 V	
ND = 0.5 x DL	0.0906		0.0906				
					ES PCB-155	102	
Totals					ES PCB-156/157	119	
					ES PCB-167	126 V	
Mono-CBs	34				ES PCB-169	115	
Di-CBs	166						
Tri-CBs	426		431				
Tetra-CBs	839		842		ES PCB-188	82.9	
Penta-CBs	1,510		1,520		ES PCB-189	132 V	
Hexa-CBs	1,200				ES PCB-202	87.3	
Hepta-CBs	289		295		ES PCB-205	110	
Octa-CBs	81.3		96.7		ES PCB-206	82.7	
Nona-CBs	25.5				ES PCB-208	90.8	
Deca-CB	10.7				ES PCB-209	89.9	
					CS PCB-28	131	
Total PCB (Mono-Deca)	4,590		4,620		CS PCB-111	115 V	
					CS PCB-178	89.2	

Checkcode: 132-138-LZY


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Report Created: 09-Jul-2012 15:32 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA08-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	10-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	8.15 g		Sample ID:	A4371_9893_PCB_002-RJ		Date Extracted:	25-May-2012							
Date Collected:	07-May-2012		% Solids	51.6 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	132-138-LZY		Time Analyzed:	16:26:10							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	13.6		PCB-19	[2.31]	EMPC	PCB-54	(0.17)		PCB-72	1.57							
PCB-2	6.64		PCB-30/18	40.4	C	PCB-50/53	5.38	C	PCB-68	0.839	J						
PCB-3	13.7		PCB-17	20.4		PCB-45	5.41		PCB-57	(0.405)							
			PCB-27	3.78		PCB-51	[1.31]	EMPC	PCB-58	3.39							
Conc.	34		PCB-24	(0.636)		PCB-46	2.18		PCB-67	3.6							
EMPC	34		PCB-16	20		PCB-52	105		PCB-63	4.42							
			PCB-32	16.9		PCB-73	(0.135)		PCB-61/70/74/76	253	C						
Di	Conc.	Qualifiers	PCB-34	(0.975)		PCB-43	2.03		PCB-66	143							
PCB-4	7.37		PCB-23	(0.931)		PCB-69/49	43	C	PCB-55	1.87							
PCB-10	(2.05)		PCB-26/29	13.1	C	PCB-48	11.2		PCB-56	58							
PCB-9	1.76		PCB-25	6.65		PCB-44/47/65	69	C	PCB-60	29.4							
PCB-7	(1.93)		PCB-31	79.9		PCB-59/62/75	5.01	C	PCB-80	(0.362)							
PCB-6	7.69		PCB-28/20	107	C	PCB-42	16.2		PCB-79	[1.54]	EMPC						
PCB-5	0.878	J	PCB-21/33	42.3	C	PCB-41	4.07		PCB-78	(0.467)							
PCB-8	33.8		PCB-22	31		PCB-71/40	30.8	C	PCB-81	(0.39)							
PCB-14	(1.75)		PCB-36	(0.957)		PCB-64	26.7		PCB-77	15.1							
PCB-11	70.7	B	PCB-39	(0.924)													
PCB-13/12	6.74	C	PCB-38	(1.04)													
PCB-15	37.5		PCB-35	[2.98]	EMPC												
			PCB-37	44.6													
Conc.	166		Conc.	426					Conc.	839							
EMPC	166		EMPC	431					EMPC	842							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						627			632		
						Tetra-Hexa						3,550			3,560		
						Hepta-Deca						407			428		
						Mono-Deca						4,590			4,620		

Sample ID: JW-EA08-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.245)		PCB-109/119/86...	152	C	PCB-155	(0.202)		PCB-165	(0.272)	
PCB-96	(0.241)		PCB-117	7.29		PCB-152	(0.214)		PCB-146	46.3	
PCB-103	[1.23]	EMPC	PCB-116/85	33.7	C	PCB-150	(0.209)		PCB-161	(0.244)	
PCB-94	(0.562)		PCB-110	280		PCB-136	23.3		PCB-153/168	216	C
PCB-95	129		PCB-115	4.57		PCB-145	(0.224)		PCB-141	42.5	
PCB-100/93	(0.512)	C	PCB-82	27.7		PCB-148	(0.296)		PCB-130	20.5	
PCB-102	4.01		PCB-111	(0.409)		PCB-151/135	68.8	C	PCB-137	16.1	
PCB-98	(0.592)		PCB-120	(0.408)		PCB-154	3.19		PCB-164	17.9	
PCB-88	(0.576)		PCB-108/124	9.5	C	PCB-144	10.1		PCB-163/138/129	327	C
PCB-91	20.7		PCB-107	18.6		PCB-147/149	179	C	PCB-160	(0.249)	
PCB-84	45.4		PCB-123	4.32		PCB-134	14.7		PCB-158	30.2	
PCB-89	[1.63]	EMPC	PCB-106	(0.454)		PCB-143	(0.321)		PCB-128/166	42.3	C
PCB-121	(0.398)		PCB-118	264		PCB-139/140	5.44	C	PCB-159	(0.492)	
PCB-92	39.6		PCB-122	2.83		PCB-131	3.31		PCB-162	1	J
PCB-113/90/101	224	C	PCB-114	4.88		PCB-142	(0.345)		PCB-167	10.2	
PCB-83	10.7		PCB-105	109		PCB-132	83.9		PCB-156/157	35.3	C
PCB-99	122		PCB-127	(0.46)		PCB-133	4.79		PCB-169	(0.593)	
PCB-112	(0.411)		PCB-126	[0.673]	J						
			Conc.	1,510					Conc.	1,200	
			EMPC	1,520					EMPC	1,200	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.295)		PCB-174	38.4		PCB-202	6.82		PCB-208	5.56	
PCB-179	17.4		PCB-177	26		PCB-201	2.76		PCB-207	2.11	
PCB-184	(0.313)		PCB-181	(0.746)		PCB-204	(0.745)		PCB-206	17.9	
PCB-176	[4.15]	EMPC	PCB-171/173	13.3	C	PCB-197	(0.641)				
PCB-186	(0.301)		PCB-172	4.41		PCB-200	2.82		Conc.	25.5	
PCB-178	10.6		PCB-192	(0.509)		PCB-198/199	28.1	C	EMPC	25.5	
PCB-175	1.65		PCB-180/193	62.7	C	PCB-196	10.9				
PCB-187	53.1		PCB-191	1.27		PCB-203	[15.3]	EMPC	Deca	Conc.	Qualifiers
PCB-182	(0.686)		PCB-170	28.6		PCB-195	7.68		PCB-209	10.7	
PCB-183	23.5		PCB-190	6.51		PCB-194	22.3				
PCB-185	[1.58]	EMPC	PCB-189	1.73		PCB-205	(0.863)				
			Conc.	289		Conc.	81.3				
			EMPC	295		EMPC	96.7				

Sample ID: JW-EA06-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.38 g	Sample ID:	A4371_9893_PCB_003-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	58.2 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	10.8				ES PCB-1	45.8	
PCB-81 344'5"-TeCB	EMPC		0.311	J	ES PCB-3	50.8	
PCB-105 233'44"-PeCB	52.9				ES PCB-4	39.2	
PCB-114 2344'5"-PeCB	2.47				ES PCB-15	75.3	
PCB-118 23'44'5"-PeCB	136				ES PCB-19	54.1	
PCB-123 23'44'5"-PeCB	2.18				ES PCB-37	123	
PCB-126 33'44'5"-PeCB	0.575			J	ES PCB-54	72.1	
PCB-156/157 233'44'5"/233'44'5"-HxCB	17.2			C	ES PCB-77	153 V	
PCB-167 23'44'55"-HxCB	5.6				ES PCB-81	170 V	
PCB-169 33'44'55"-HxCB	ND	0.303			ES PCB-104	57.5	
PCB-189 233'44'55"-HpCB	1.2				ES PCB-105	101	
					ES PCB-114	97.3	
TEQs (WHO M/H)					ES PCB-118	103	
					ES PCB-123	97.4	
ND = 0	0.0651		0.0652		ES PCB-126	133 V	
ND = 0.5 x DL	0.0696		0.0697				
					ES PCB-155	102	
Totals					ES PCB-156/157	122 V	
					ES PCB-167	127 V	
					ES PCB-169	107	
Mono-CBs	24.6						
Di-CBs	107						
Tri-CBs	384		387				
Tetra-CBs	643		644		ES PCB-188	80.2	
Penta-CBs	850		851		ES PCB-189	129 V	
Hexa-CBs	755				ES PCB-202	88.3	
Hepta-CBs	244				ES PCB-205	109	
Octa-CBs	79.8				ES PCB-206	84.3	
Nona-CBs	16.6				ES PCB-208	90.5	
Deca-CB	8				ES PCB-209	89.9	
					CS PCB-28	135 V	
Total PCB (Mono-Deca)	3,110		3,120		CS PCB-111	113 V	
					CS PCB-178	95.4	

Checkcode: 033-382-FPF


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Report Created: 09-Jul-2012 15:35 Analyst: LB



2714 Exchange Drive T: 910 794-1613
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Sample ID: JW-EA06-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: JELD-WEN, Inc.			Matrix: Solid			Project No.: A4371			Date Received: 11-May-2012								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 9.38 g			Sample ID: A4371_9893_PCB_003-RJ			Date Extracted: 25-May-2012								
Date Collected: 07-May-2012			% Solids: 58.2 %			QC Batch No.: 9893			Date Analyzed: 05-Jul-2012								
			Units: pg/g			Checkcode: 033-382-FPF			Time Analyzed: 17:21:14								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	10.2		PCB-19	3.17		PCB-54	(0.0717)		PCB-72	1.33							
PCB-2	4.78		PCB-30/18	45.4	C	PCB-50/53	5.55	C	PCB-68	0.82	J						
PCB-3	9.67		PCB-17	22.1		PCB-45	5.8		PCB-57	[0.336]	J EMPC						
			PCB-27	3.68		PCB-51	1.76		PCB-58	0.374	J						
Conc.	24.6		PCB-24	[0.721]	J EMPC	PCB-46	2.41		PCB-67	3.52							
EMPC	24.6		PCB-16	20.4		PCB-52	77.7		PCB-63	3.54							
			PCB-32	16.4		PCB-73	[0.122]	J EMPC	PCB-61/70/74/76	175	C						
Di	Conc.	Qualifiers	PCB-34	(0.37)		PCB-43	1.69		PCB-66	105							
PCB-4	9.49		PCB-23	(0.353)		PCB-69/49	37	C	PCB-55	1.46							
PCB-10	(0.821)		PCB-26/29	11.5	C	PCB-48	10.2		PCB-56	44.3							
PCB-9	1.31		PCB-25	5.95		PCB-44/47/65	59.4	C	PCB-60	20.9							
PCB-7	1	J	PCB-31	70.3		PCB-59/62/75	4.38	C	PCB-80	(0.115)							
PCB-6	5.11		PCB-28/20	91.5	C	PCB-42	15.1		PCB-79	1.17							
PCB-5	(0.783)		PCB-21/33	36	C	PCB-41	4.49		PCB-78	(0.148)							
PCB-8	25.4		PCB-22	26.9		PCB-71/40	25.6	C	PCB-81	[0.311]	J EMPC						
PCB-14	(0.674)		PCB-36	(0.363)		PCB-64	22.9		PCB-77	10.8							
PCB-11	39.3	B	PCB-39	(0.35)													
PCB-13/12	3.37	C	PCB-38	(0.394)													
PCB-15	21.6		PCB-35	[1.94]	EMPC												
			PCB-37	30.8													
Conc.	107		Conc.	384					Conc.	643							
EMPC	107		EMPC	387					EMPC	644							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						515			518		
						Tetra-Hexa						2,250			2,250		
						Hepta-Deca						348			348		
						Mono-Deca						3,110			3,120		

Sample ID: JW-EA06-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.0742)		PCB-109/119/86...	82.8	C	PCB-155	(0.0646)		PCB-165	(0.0868)	
PCB-96	0.795	J	PCB-117	3.33		PCB-152	(0.0686)		PCB-146	32.4	
PCB-103	1.28		PCB-116/85	19.5	C	PCB-150	(0.0669)		PCB-161	(0.0779)	
PCB-94	0.464	J	PCB-110	153		PCB-136	16.4		PCB-153/168	146	C
PCB-95	74.4		PCB-115	1.7		PCB-145	(0.0717)		PCB-141	26.3	
PCB-100/93	1.11	J C	PCB-82	15.3		PCB-148	0.456	J	PCB-130	12.5	
PCB-102	2.81		PCB-111	(0.09)		PCB-151/135	47.2	C	PCB-137	6.89	
PCB-98	(0.13)		PCB-120	[0.745]	J EMPC	PCB-154	3.24		PCB-164	10.8	
PCB-88	(0.127)		PCB-108/124	4.62	C	PCB-144	6.39		PCB-163/138/129	197	C
PCB-91	13.7		PCB-107	10.8		PCB-147/149	122	C	PCB-160	(0.0797)	
PCB-84	27.4		PCB-123	2.18		PCB-134	8.4		PCB-158	16.2	
PCB-89	1.24		PCB-106	(0.0998)		PCB-143	0.437	J	PCB-128/166	22.2	C
PCB-121	(0.0875)		PCB-118	136		PCB-139/140	2.94	C	PCB-159	(0.249)	
PCB-92	23.7		PCB-122	1.67		PCB-131	1.97		PCB-162	0.482	J
PCB-113/90/101	132	C	PCB-114	2.47		PCB-142	(0.11)		PCB-167	5.6	
PCB-83	7.01		PCB-105	52.9		PCB-132	49.1		PCB-156/157	17.2	C
PCB-99	76.6		PCB-127	(0.113)		PCB-133	3.53		PCB-169	(0.303)	
PCB-112	[0.128]	J EMPC	PCB-126	[0.575]	J						
			Conc.	850					Conc.	755	
			EMPC	851					EMPC	755	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.0939)		PCB-174	33.4		PCB-202	5.52		PCB-208	3.51	
PCB-179	15.4		PCB-177	23.2		PCB-201	2.49		PCB-207	1.34	
PCB-184	(0.0996)		PCB-181	(0.218)		PCB-204	(0.177)		PCB-206	11.7	
PCB-176	3.97		PCB-171/173	9.97	C	PCB-197	0.429	J			
PCB-186	(0.0956)		PCB-172	1.73		PCB-200	2.31		Conc.	16.6	
PCB-178	8.63		PCB-192	(0.154)		PCB-198/199	21.9	C	EMPC	16.6	
PCB-175	1.33		PCB-180/193	50	C	PCB-196	8.36				
PCB-187	47.5		PCB-191	1	J	PCB-203	12.5		Deca	Conc.	Qualifiers
PCB-182	(0.201)		PCB-170	20.5		PCB-195	6.83		PCB-209	8	
PCB-183	21.1		PCB-190	4.8		PCB-194	18.8				
PCB-185	(0.22)		PCB-189	1.2		PCB-205	0.669	J			
			Conc.	244		Conc.	79.8				
			EMPC	244		EMPC	79.8				

Sample ID: JW-EA03-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.91 g	Sample ID:	A4371_9893_PCB_004-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	44.6 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	1.89				ES PCB-1	50.5	
PCB-81 344'5"-TeCB	ND	0.501			ES PCB-3	49.8	
PCB-105 233'44"-PeCB	20.5				ES PCB-4	40.3	
PCB-114 2344'5"-PeCB	1.02			J	ES PCB-15	73.6	
PCB-118 23'44'5"-PeCB	51.5				ES PCB-19	54.1	
PCB-123 23'44'5"-PeCB	0.9			J	ES PCB-37	123	
PCB-126 33'44'5"-PeCB	ND	0.312			ES PCB-54	78	
PCB-156/157 233'44'5"/233'44'5"-HxCB	9.89			C	ES PCB-77	158 V	
PCB-167 23'44'55"-HxCB	2.97				ES PCB-81	174 V	
PCB-169 33'44'55"-HxCB	ND	0.545			ES PCB-104	58.1	
PCB-189 233'44'55"-HpCB	EMPC		0.508	J	ES PCB-105	104	
					ES PCB-114	98.6	
TEQs (WHO M/H)					ES PCB-118	106	
					ES PCB-123	98.5	
ND = 0	0.00279		0.00281		ES PCB-126	135 V	
ND = 0.5 x DL	0.0266		0.0266				
					ES PCB-155	92.1	
Totals					ES PCB-156/157	110	
					ES PCB-167	123 V	
					ES PCB-169	112	
Mono-CBs	2.49		6.17				
Di-CBs	54.1						
Tri-CBs	181		183				
Tetra-CBs	206		208		ES PCB-188	82.2	
Penta-CBs	343		344		ES PCB-189	131 V	
Hexa-CBs	409		414		ES PCB-202	86.1	
Hepta-CBs	106		123		ES PCB-205	112	
Octa-CBs	73.5		82.2		ES PCB-206	76.9	
Nona-CBs	38.8				ES PCB-208	90.6	
Deca-CB	15.1				ES PCB-209	92	
					CS PCB-28	126	
Total PCB (Mono-Deca)	1,430		1,470		CS PCB-111	109	
					CS PCB-178	88.8	

Checkcode: 302-095-KNN


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:35 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA03-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: JELD-WEN, Inc.			Matrix: Solid			Project No.: A4371			Date Received: 18-May-2012								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 6.91 g			Sample ID: A4371_9893_PCB_004-RJ			Date Extracted: 25-May-2012								
Date Collected: 07-May-2012			% Solids 44.6 %			QC Batch No.: 9893			Date Analyzed: 05-Jul-2012								
			Units pg/g			Checkcode: 302-095-KNN			Time Analyzed: 18:16:17								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	[2.08]	B EMPC	PCB-19	1.94		PCB-54	(0.208)		PCB-72	(0.488)							
PCB-2	[1.6]	EMPC	PCB-30/18	20.3	C	PCB-50/53	3.03	C	PCB-68	(0.468)							
PCB-3	2.49		PCB-17	12.2		PCB-45	3.71		PCB-57	(0.521)							
			PCB-27	[2.1]	EMPC	PCB-51	0.989	J	PCB-58	(0.522)							
Conc.	2.49		PCB-24	(0.88)		PCB-46	1.61		PCB-67	1.42	J						
EMPC	6.17		PCB-16	12.4		PCB-52	30.6	B	PCB-63	[1]	J EMPC						
			PCB-32	8.26		PCB-73	(0.143)		PCB-61/70/74/76	45.3	C						
Di	Conc.	Qualifiers	PCB-34	(0.8)		PCB-43	[0.8]	J EMPC	PCB-66	22.6							
PCB-4	5.24		PCB-23	(0.764)		PCB-69/49	15.6	C	PCB-55	(0.531)							
PCB-10	(2.39)		PCB-26/29	5.94	B C	PCB-48	5.45		PCB-56	7.89							
PCB-9	(2.29)		PCB-25	2.82		PCB-44/47/65	27	C	PCB-60	3.41							
PCB-7	(2.03)		PCB-31	31.7		PCB-59/62/75	2.53	J C	PCB-80	(0.465)							
PCB-6	2.13		PCB-28/20	42.5	C	PCB-42	7.38		PCB-79	(0.496)							
PCB-5	(2.14)		PCB-21/33	14.5	C	PCB-41	2.92		PCB-78	(0.601)							
PCB-8	11.3	B	PCB-22	14.5		PCB-71/40	11.8	C	PCB-81	(0.501)							
PCB-14	(1.84)		PCB-36	(0.785)		PCB-64	11.2		PCB-77	1.89							
PCB-11	20.9	B	PCB-39	(0.758)													
PCB-13/12	2.03	J C	PCB-38	(0.851)													
PCB-15	12.5		PCB-35	(0.854)													
			PCB-37	14.3													
Conc.	54.1		Conc.	181					Conc.	206							
EMPC	54.1		EMPC	183					EMPC	208							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						238			244		
						Tetra-Hexa						959			966		
						Hepta-Deca						233			259		
						Mono-Deca						1,430			1,470		

Sample ID: JW-EA03-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.235)		PCB-109/119/86...	33.6	C	PCB-155	(0.211)		PCB-165	(0.284)	
PCB-96	(0.231)		PCB-117	2.69		PCB-152	(0.224)		PCB-146	17.4	
PCB-103	0.616	J	PCB-116/85	7.09	C	PCB-150	(0.218)		PCB-161	(0.254)	
PCB-94	(0.39)		PCB-110	62.2		PCB-136	9.45		PCB-153/168	74.1	C
PCB-95	37.3		PCB-115	[1.09]	J EMPC	PCB-145	(0.234)		PCB-141	15.4	
PCB-100/93	(0.356)	C	PCB-82	5.68		PCB-148	(0.309)		PCB-130	7.84	
PCB-102	1.43	J	PCB-111	(0.284)		PCB-151/135	26	C	PCB-137	5.32	
PCB-98	(0.411)		PCB-120	(0.283)		PCB-154	[1.16]	J EMPC	PCB-164	6.45	
PCB-88	(0.4)		PCB-108/124	2.06	J C	PCB-144	3.75		PCB-163/138/129	106	C
PCB-91	5.9		PCB-107	4.14		PCB-147/149	64.4	C	PCB-160	(0.26)	
PCB-84	12.3		PCB-123	0.9	J	PCB-134	5.32		PCB-158	10.3	
PCB-89	(0.399)		PCB-106	(0.315)		PCB-143	(0.336)		PCB-128/166	12.5	C
PCB-121	(0.277)		PCB-118	51.5		PCB-139/140	[1.83]	J EMPC C	PCB-159	(0.47)	
PCB-92	10.5		PCB-122	(0.343)		PCB-131	[1.32]	J EMPC	PCB-162	(0.442)	
PCB-113/90/101	52.5	C	PCB-114	1.02	J	PCB-142	(0.36)		PCB-167	2.97	
PCB-83	3.29		PCB-105	20.5		PCB-132	30.8		PCB-156/157	9.89	C
PCB-99	28.1		PCB-127	(0.33)		PCB-133	1.86		PCB-169	(0.545)	
PCB-112	(0.285)		PCB-126	(0.312)							
			Conc.	343					Conc.	409	
			EMPC	344					EMPC	414	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.203)		PCB-174	17		PCB-202	6.42		PCB-208	7.47	
PCB-179	8.28		PCB-177	[10]	EMPC	PCB-201	[2.2]	EMPC	PCB-207	2.36	
PCB-184	(0.215)		PCB-181	(0.564)		PCB-204	(0.55)		PCB-206	29	
PCB-176	[1.89]	EMPC	PCB-171/173	[4.83]	EMPC C	PCB-197	(0.473)				
PCB-186	(0.207)		PCB-172	1.73		PCB-200	1.65		Conc.	38.8	
PCB-178	4.62		PCB-192	(0.396)		PCB-198/199	27.1	C	EMPC	38.8	
PCB-175	(0.549)		PCB-180/193	26.6	C	PCB-196	[6.53]	EMPC			
PCB-187	24.4		PCB-191	(0.392)		PCB-203	16		Deca	Conc.	Qualifiers
PCB-182	(0.518)		PCB-170	10.4		PCB-195	4.61		PCB-209	15.1	
PCB-183	9.09		PCB-190	2.57		PCB-194	17.7				
PCB-185	1.22	J	PCB-189	[0.508]	J EMPC	PCB-205	(0.692)				
			Conc.	106		Conc.	73.5				
			EMPC	123		EMPC	82.2				

Sample ID: JW-EA02-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.59 g	Sample ID:	A4371_9893_PCB_005-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	44.8 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	8.16				ES PCB-1	49.6	
PCB-81 344'5"-TeCB	ND	0.552			ES PCB-3	49.3	
PCB-105 233'44"-PeCB	99.2				ES PCB-4	40.1	
PCB-114 2344'5"-PeCB	5.51				ES PCB-15	72.3	
PCB-118 23'44'5"-PeCB	253				ES PCB-19	52.7	
PCB-123 23'44'5"-PeCB	5.42				ES PCB-37	121	
PCB-126 33'44'5"-PeCB	EMPC		1.07	J	ES PCB-54	82.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	45.9			C	ES PCB-77	152 V	
PCB-167 23'44'55"-HxCB	14.2				ES PCB-81	163 V	
PCB-169 33'44'55"-HxCB	ND	0.788			ES PCB-104	56.3	
PCB-189 233'44'55"-HpCB	EMPC		2.23		ES PCB-105	101	
					ES PCB-114	94.3	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	98	
ND = 0	0.0135		0.12		ES PCB-126	137 V	
ND = 0.5 x DL	0.0497		0.132				
					ES PCB-155	89.2	
Totals					ES PCB-156/157	118	
					ES PCB-167	118	
Mono-CBs	20				ES PCB-169	103	
Di-CBs	242						
Tri-CBs	1,510		1,520				
Tetra-CBs	1,730				ES PCB-188	77.7	
Penta-CBs	1,770		1,780		ES PCB-189	121 V	
Hexa-CBs	1,560		1,560		ES PCB-202	89.2	
Hepta-CBs	367		382		ES PCB-205	105	
Octa-CBs	109		111		ES PCB-206	87	
Nona-CBs	18.1		22		ES PCB-208	85.6	
Deca-CB	9.42				ES PCB-209	87.8	
					CS PCB-28	133 V	
Total PCB (Mono-Deca)	7,340		7,380		CS PCB-111	110	
					CS PCB-178	86.7	

Checkcode: 950-021-YLN


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:37 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA02-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name: JELD-WEN, Inc.			Matrix: Solid			Project No.: A4371			Date Received: 18-May-2012								
Project ID: Jeld-Wen Surface Sediment			Weight/Volume: 6.59 g			Sample ID: A4371_9893_PCB_005-RJ			Date Extracted: 25-May-2012								
Date Collected: 07-May-2012			% Solids 44.8 %			QC Batch No.: 9893			Date Analyzed: 05-Jul-2012								
			Units pg/g			Checkcode: 950-021-YLN			Time Analyzed: 21:14:20								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	6.31		PCB-19	15.4		PCB-54	0.827	J	PCB-72	2.64							
PCB-2	5.83		PCB-30/18	125	C	PCB-50/53	30.7	C	PCB-68	1.53							
PCB-3	7.82		PCB-17	80.8		PCB-45	36.8		PCB-57	1.69							
			PCB-27	15.8		PCB-51	9.75		PCB-58	(0.627)							
Conc.	20		PCB-24	3.34		PCB-46	14.8		PCB-67	9.25							
EMPC	20		PCB-16	82.8		PCB-52	277		PCB-63	7.83							
			PCB-32	56.7		PCB-73	0.695	J	PCB-61/70/74/76	304	C						
Di	Conc.	Qualifiers	PCB-34	(1.34)		PCB-43	10.9		PCB-66	148							
PCB-4	20.5		PCB-23	(1.28)		PCB-69/49	150	C	PCB-55	2.13							
PCB-10	1.37	J	PCB-26/29	47	C	PCB-48	56.6		PCB-56	39.9							
PCB-9	3.21		PCB-25	24.8		PCB-44/47/65	259	C	PCB-60	17.9							
PCB-7	1.83		PCB-31	280		PCB-59/62/75	24.9	C	PCB-80	(0.559)							
PCB-6	10.8		PCB-28/20	418	C	PCB-42	71.9		PCB-79	2.72							
PCB-5	1.12	J	PCB-21/33	98.6	C	PCB-41	28.9		PCB-78	(0.656)							
PCB-8	55.1		PCB-22	135		PCB-71/40	109	C	PCB-81	(0.552)							
PCB-14	(2.21)		PCB-36	(1.33)		PCB-64	106		PCB-77	8.16							
PCB-11	40.7	B	PCB-39	(1.28)													
PCB-13/12	9.44	C	PCB-38	(1.43)													
PCB-15	97.5		PCB-35	[6.23]	EMPC												
			PCB-37	129													
Conc.	242		Conc.	1,510					Conc.	1,730							
EMPC	242		EMPC	1,520					EMPC	1,730							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,770			1,780		
						Tetra-Hexa						5,060			5,070		
						Hepta-Deca						503			525		
						Mono-Deca						7,340			7,380		

Sample ID: JW-EA02-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.491)		PCB-109/119/86...	163	C	PCB-155	(0.36)		PCB-165	(0.447)	
PCB-96	3.83		PCB-117	6.5		PCB-152	(0.383)		PCB-146	56.1	
PCB-103	[2.28]	EMPC	PCB-116/85	37.9	C	PCB-150	(0.378)		PCB-161	(0.41)	
PCB-94	[1.66]	EMPC	PCB-110	326		PCB-136	36.4		PCB-153/168	281	C
PCB-95	233		PCB-115	7.46		PCB-145	(0.399)		PCB-141	51.3	
PCB-100/93	3.37	C	PCB-82	28.5		PCB-148	(0.518)		PCB-130	27.7	
PCB-102	8.36		PCB-111	(0.537)		PCB-151/135	90.8	C	PCB-137	19	
PCB-98	(0.802)		PCB-120	(0.544)		PCB-154	4.67		PCB-164	23.9	
PCB-88	(0.805)		PCB-108/124	10.9	C	PCB-144	12.1		PCB-163/138/129	408	C
PCB-91	36.4		PCB-107	19.7		PCB-147/149	234	C	PCB-160	(0.436)	
PCB-84	64		PCB-123	5.42		PCB-134	22.2		PCB-158	38.4	
PCB-89	[2.48]	EMPC	PCB-106	(0.579)		PCB-143	(0.531)		PCB-128/166	60.2	C
PCB-121	(0.539)		PCB-118	253		PCB-139/140	7.34	C	PCB-159	(0.616)	
PCB-92	48.6		PCB-122	3.52		PCB-131	[5.29]	EMPC	PCB-162	1.28	J
PCB-113/90/101	254	C	PCB-114	5.51		PCB-142	(0.556)		PCB-167	14.2	
PCB-83	15.7		PCB-105	99.2		PCB-132	117		PCB-156/157	45.9	C
PCB-99	135		PCB-127	(0.584)		PCB-133	5.87		PCB-169	(0.788)	
PCB-112	(0.566)		PCB-126	[1.07]	J EMPC						
			Conc.	1,770					Conc.	1,560	
			EMPC	1,780					EMPC	1,560	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.289)		PCB-174	49.6		PCB-202	7.61		PCB-208	[3.88]	EMPC
PCB-179	21.1		PCB-177	38.7		PCB-201	3.62		PCB-207	1.83	
PCB-184	(0.297)		PCB-181	(0.917)		PCB-204	(0.437)		PCB-206	16.3	
PCB-176	5.41		PCB-171/173	18.8	C	PCB-197	0.673	J			
PCB-186	(0.281)		PCB-172	5.75		PCB-200	[2.26]	EMPC	Conc.	18.1	
PCB-178	[9.97]	EMPC	PCB-192	(0.667)		PCB-198/199	32.6	C	EMPC	22	
PCB-175	2.71		PCB-180/193	70.6	C	PCB-196	13.3				
PCB-187	73.9		PCB-191	2.05		PCB-203	19.5		Deca	Conc.	Qualifiers
PCB-182	(0.844)		PCB-170	36.4		PCB-195	8.87		PCB-209	9.42	
PCB-183	32.2		PCB-190	9.58		PCB-194	21.9				
PCB-185	[2.72]	EMPC	PCB-189	[2.23]	EMPC	PCB-205	1.02	J			
			Conc.	367		Conc.	109				
			EMPC	382		EMPC	111				

Sample ID: JW-EA04-COMP-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.53 g	Sample ID:	A4371_9893_PCB_006-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	60.1 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	8.36				ES PCB-1	46.8	
PCB-81 344'5"-TeCB	ND	0.335			ES PCB-3	49.7	
PCB-105 233'44"-PeCB	59.8				ES PCB-4	39	
PCB-114 2344'5"-PeCB	3.12				ES PCB-15	74.8	
PCB-118 23'44'5"-PeCB	151				ES PCB-19	51.5	
PCB-123 23'44'5"-PeCB	2.81				ES PCB-37	119	
PCB-126 33'44'5"-PeCB	EMPC		0.583	J	ES PCB-54	71.9	
PCB-156/157 233'44'5"/233'44'5"-HxCB	21.6			C	ES PCB-77	146 V	
PCB-167 23'44'55"-HxCB	7.28				ES PCB-81	161 V	
PCB-169 33'44'55"-HxCB	ND	0.729			ES PCB-104	59.5	
PCB-189 233'44'55"-HpCB	1.59				ES PCB-105	102	
					ES PCB-114	98.6	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	96.5	
ND = 0	0.00824		0.0665		ES PCB-126	126 V	
ND = 0.5 x DL	0.0387		0.0775				
					ES PCB-155	90	
Totals					ES PCB-156/157	107	
					ES PCB-167	118	
					ES PCB-169	73	
Mono-CBs	15.7						
Di-CBs	127		135				
Tri-CBs	755						
Tetra-CBs	1,000		1,010		ES PCB-188	75.9	
Penta-CBs	1,100		1,100		ES PCB-189	123 V	
Hexa-CBs	943		951		ES PCB-202	84	
Hepta-CBs	303		305		ES PCB-205	104	
Octa-CBs	89.2		91.8		ES PCB-206	74.8	
Nona-CBs	19.1				ES PCB-208	85.8	
Deca-CB	8.01				ES PCB-209	85.7	
					CS PCB-28	130	
Total PCB (Mono-Deca)	4,360		4,390		CS PCB-111	114 V	
					CS PCB-178	90.1	

Checkcode: 290-077-ZSC


SGS AP PCB 2012 Rev. 1.4

Report Created: 09-Jul-2012 15:37 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA04-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.53 g		Sample ID:	A4371_9893_PCB_006-RJ		Date Extracted:	25-May-2012				
Date Collected:	07-May-2012		% Solids	60.1 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	290-077-ZSC		Time Analyzed:	22:07:24				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	6.12		PCB-19	7.77		PCB-54	(0.276)		PCB-72	[1.74]	EMPC			
PCB-2	3.36		PCB-30/18	78.1	C	PCB-50/53	17	C	PCB-68	1.01	J			
PCB-3	6.19		PCB-17	43.6		PCB-45	19.4		PCB-57	0.854	J			
			PCB-27	7.87		PCB-51	4.47		PCB-58	[0.518]	J EMPC			
Conc.	15.7		PCB-24	(0.839)		PCB-46	7.64		PCB-67	5.64				
EMPC	15.7		PCB-16	46.1		PCB-52	152		PCB-63	4.77				
			PCB-32	32.2		PCB-73	0.422	J	PCB-61/70/74/76	190	C			
Di	Conc.	Qualifiers	PCB-34	(1.26)		PCB-43	5.24		PCB-66	103				
PCB-4	13.7		PCB-23	(1.2)		PCB-69/49	81.9	C	PCB-55	1.68				
PCB-10	(2.39)		PCB-26/29	23.1	C	PCB-48	30		PCB-56	36.1				
PCB-9	2.17		PCB-25	11.7		PCB-44/47/65	136	C	PCB-60	14.4				
PCB-7	1.19		PCB-31	134		PCB-59/62/75	12.9	C	PCB-80	(0.339)				
PCB-6	[8.01]	EMPC	PCB-28/20	185	C	PCB-42	38.4		PCB-79	1.63				
PCB-5	(1.83)		PCB-21/33	64.1	C	PCB-41	15.4		PCB-78	(0.398)				
PCB-8	37.8		PCB-22	62.6		PCB-71/40	60.4	C	PCB-81	(0.335)				
PCB-14	(1.55)		PCB-36	(1.25)		PCB-64	54.9		PCB-77	8.36				
PCB-11	23.7	B	PCB-39	(1.21)										
PCB-13/12	4.49	C	PCB-38	(1.34)										
PCB-15	43.7		PCB-35	3.3										
			PCB-37	54.4										
Conc.	127		Conc.	755					Conc.	1,000				
EMPC	135		EMPC	755					EMPC	1,010				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			897			905		
						Tetra-Hexa			3,040			3,060		
						Hepta-Deca			419			424		
						Mono-Deca			4,360			4,390		

Sample ID: JW-EA04-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.256)		PCB-109/119/86...	102	C	PCB-155	(0.182)		PCB-165	(0.227)	
PCB-96	1.99		PCB-117	3.6		PCB-152	(0.194)		PCB-146	42.4	
PCB-103	[1.69]	EMPC	PCB-116/85	24.3	C	PCB-150	(0.191)		PCB-161	(0.208)	
PCB-94	1.1		PCB-110	209		PCB-136	21.2		PCB-153/168	181	C
PCB-95	131		PCB-115	2.03		PCB-145	(0.202)		PCB-141	31.4	
PCB-100/93	1.92	J C	PCB-82	18.6		PCB-148	[0.955]	J EMPC	PCB-130	15.7	
PCB-102	5.06		PCB-111	(0.252)		PCB-151/135	64.8	C	PCB-137	8.32	
PCB-98	(0.377)		PCB-120	1.31		PCB-154	[4.19]	EMPC	PCB-164	15	
PCB-88	(0.378)		PCB-108/124	5.82	C	PCB-144	8.17		PCB-163/138/129	230	C
PCB-91	20.9		PCB-107	14.2		PCB-147/149	157	C	PCB-160	(0.221)	
PCB-84	38.7		PCB-123	2.81		PCB-134	12.4		PCB-158	20.7	
PCB-89	[1.65]	EMPC	PCB-106	(0.272)		PCB-143	[0.391]	J EMPC	PCB-128/166	29.8	C
PCB-121	(0.253)		PCB-118	151		PCB-139/140	4.48	C	PCB-159	(0.409)	
PCB-92	32.4		PCB-122	2.04		PCB-131	[2.72]	EMPC	PCB-162	0.799	J
PCB-113/90/101	160	C	PCB-114	3.12		PCB-142	(0.282)		PCB-167	7.28	
PCB-83	9.32		PCB-105	59.8		PCB-132	66.3		PCB-156/157	21.6	C
PCB-99	95.4		PCB-127	(0.272)		PCB-133	5.01		PCB-169	(0.729)	
PCB-112	(0.266)		PCB-126	[0.583]	J EMPC						
			Conc.	1,100					Conc.	943	
			EMPC	1,100					EMPC	951	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.255)		PCB-174	41.3		PCB-202	5.7		PCB-208	4.24	
PCB-179	17.5		PCB-177	30.5		PCB-201	[2.58]	EMPC	PCB-207	1.54	
PCB-184	(0.262)		PCB-181	(0.67)		PCB-204	(0.441)		PCB-206	13.3	
PCB-176	5.03		PCB-171/173	13	C	PCB-197	0.437	J			
PCB-186	(0.247)		PCB-172	4.54		PCB-200	2.67		Conc.	19.1	
PCB-178	10.2		PCB-192	(0.526)		PCB-198/199	27.6	C	EMPC	19.1	
PCB-175	[1.61]	EMPC	PCB-180/193	55.2	C	PCB-196	10.8				
PCB-187	62.6		PCB-191	1.47		PCB-203	16.6		Deca	Conc.	Qualifiers
PCB-182	(0.617)		PCB-170	23.6		PCB-195	6.95		PCB-209	8.01	
PCB-183	25.7		PCB-190	6.87		PCB-194	17.8				
PCB-185	3.98		PCB-189	1.59		PCB-205	0.755	J			
			Conc.	303		Conc.	89.2				
			EMPC	305		EMPC	91.8				

Sample ID: JW-EA09-COMP-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.48 g	Sample ID:	A4371_9893_PCB_007-RJ	Date Extracted:	25-May-2012
Date Collected:	07-May-2012	% Solids	63.4 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	95				ES PCB-1	47.3	
PCB-81 344'5"-TeCB	3.23				ES PCB-3	53.5	
PCB-105 233'44"-PeCB	1,160				ES PCB-4	39.8	
PCB-114 2344'5"-PeCB	55.3				ES PCB-15	76.5	
PCB-118 23'44'5"-PeCB	2,610				ES PCB-19	55.6	
PCB-123 23'44'5"-PeCB	41.1				ES PCB-37	125 V	
PCB-126 33'44'5"-PeCB	4.75				ES PCB-54	74.8	
PCB-156/157 233'44'5"/233'44'5"-HxCB	376			C	ES PCB-77	155 V	
PCB-167 23'44'55"-HxCB	103				ES PCB-81	170 V	
PCB-169 33'44'55"-HxCB	ND	0.885			ES PCB-104	55.7	
PCB-189 233'44'55"-HpCB	12.7				ES PCB-105	99.1	
					ES PCB-114	95.1	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	95.7	
ND = 0	0.616			0.616	ES PCB-126	131 V	
ND = 0.5 x DL	0.63			0.63			
					ES PCB-155	100	
Totals					ES PCB-156/157	124 V	
					ES PCB-167	128 V	
					ES PCB-169	99.6	
Mono-CBs	105						
Di-CBs	709			713			
Tri-CBs	2,390			2,390			
Tetra-CBs	7,870				ES PCB-188	79.6	
Penta-CBs	18,400				ES PCB-189	125 V	
Hexa-CBs	10,500			10,500	ES PCB-202	87.1	
Hepta-CBs	2,010			2,040	ES PCB-205	108	
Octa-CBs	592				ES PCB-206	88.1	
Nona-CBs	115				ES PCB-208	85.7	
Deca-CB	28.6				ES PCB-209	87.7	
					CS PCB-28	146 V	
Total PCB (Mono-Deca)	42,700			42,700	CS PCB-111	114 V	
					CS PCB-178	90.9	

Checkcode: 758-718-ZMK


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Report Created: 09-Jul-2012 15:38 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.48 g		Sample ID:	A4371_9893_PCB_007-RJ		Date Extracted:	25-May-2012							
Date Collected:	07-May-2012		% Solids	63.4 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012							
			Units	pg/g		Checkcode:	758-718-ZMK		Time Analyzed:	23:02:26							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	38		PCB-19	16.4		PCB-54	0.651	J	PCB-72	12							
PCB-2	23.6		PCB-30/18	248	C	PCB-50/53	59.9	C	PCB-68	6.11							
PCB-3	43.9		PCB-17	108		PCB-45	52.2		PCB-57	2.67							
			PCB-27	19		PCB-51	14.7		PCB-58	3.67							
Conc.	105		PCB-24	[2.13]	EMPC	PCB-46	21.4		PCB-67	22							
EMPC	105		PCB-16	104		PCB-52	1,400		PCB-63	36.2							
			PCB-32	86.2		PCB-73	1.89		PCB-61/70/74/76	2,310	C						
Di	Conc.	Qualifiers	PCB-34	2.8		PCB-43	17.6		PCB-66	1,070							
PCB-4	36.2		PCB-23	(0.858)		PCB-69/49	423	C	PCB-55	15.8							
PCB-10	1.88		PCB-26/29	69.5	C	PCB-48	90.9		PCB-56	462							
PCB-9	5.4		PCB-25	32.4		PCB-44/47/65	740	C	PCB-60	232							
PCB-7	[3.81]	EMPC	PCB-31	474		PCB-59/62/75	38.3	C	PCB-80	(0.574)							
PCB-6	20.1		PCB-28/20	595	C	PCB-42	140		PCB-79	19.4							
PCB-5	2.2		PCB-21/33	221	C	PCB-41	39.5		PCB-78	(0.673)							
PCB-8	112		PCB-22	176		PCB-71/40	279	C	PCB-81	3.23							
PCB-14	1.19		PCB-36	5.85		PCB-64	265		PCB-77	95							
PCB-11	398		PCB-39	3.87													
PCB-13/12	19.5	C	PCB-38	(0.958)													
PCB-15	112		PCB-35	18.5													
			PCB-37	209													
Conc.	709		Conc.	2,390					Conc.	7,870							
EMPC	713		EMPC	2,390					EMPC	7,870							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						3,200			3,210		
						Tetra-Hexa						36,700			36,700		
						Hepta-Deca						2,750			2,770		
						Mono-Deca			42,700								

Sample ID: JW-EA09-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.197)		PCB-109/119/86...	1,950	C	PCB-155	(0.124)		PCB-165	(0.154)	
PCB-96	11.3		PCB-117	50.6		PCB-152	1.92		PCB-146	320	
PCB-103	10.9		PCB-116/85	455	C	PCB-150	[1.81]	EMPC	PCB-161	(0.141)	
PCB-94	8.48		PCB-110	3,500		PCB-136	252		PCB-153/168	1,800	C
PCB-95	1,920		PCB-115	39.7		PCB-145	[0.986]	J EMPC	PCB-141	351	
PCB-100/93	12	C	PCB-82	344		PCB-148	1.99		PCB-130	184	
PCB-102	50.6		PCB-111	(0.221)		PCB-151/135	561	C	PCB-137	136	
PCB-98	1.84		PCB-120	7.01		PCB-154	19.6		PCB-164	164	
PCB-88	1.08		PCB-108/124	104	C	PCB-144	87.6		PCB-163/138/129	2,730	C
PCB-91	283		PCB-107	202		PCB-147/149	1,570	C	PCB-160	(0.15)	
PCB-84	688		PCB-123	41.1		PCB-134	142		PCB-158	282	
PCB-89	21.7		PCB-106	(0.238)		PCB-143	7.65		PCB-128/166	456	C
PCB-121	(0.222)		PCB-118	2,610		PCB-139/140	45.6	C	PCB-159	(0.674)	
PCB-92	483		PCB-122	33.3		PCB-131	36.6		PCB-162	7.96	
PCB-113/90/101	2,750	C	PCB-114	55.3		PCB-142	(0.191)		PCB-167	103	
PCB-83	148		PCB-105	1,160		PCB-132	840		PCB-156/157	376	C
PCB-99	1,430		PCB-127	(0.241)		PCB-133	31.2		PCB-169	(0.885)	
PCB-112	(0.233)		PCB-126	4.75							
			Conc.	18,400					Conc.	10,500	
			EMPC	18,400					EMPC	10,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.15)		PCB-174	301		PCB-202	35.7		PCB-208	25.2	
PCB-179	95.2		PCB-177	193		PCB-201	17.6		PCB-207	10.3	
PCB-184	(0.154)		PCB-181	5.48		PCB-204	(0.286)		PCB-206	79.9	
PCB-176	[26.1]	EMPC	PCB-171/173	109	C	PCB-197	3.44				
PCB-186	(0.146)		PCB-172	27.7		PCB-200	15.9		Conc.	115	
PCB-178	51.2		PCB-192	(0.508)		PCB-198/199	179	C	EMPC	115	
PCB-175	12.1		PCB-180/193	392	C	PCB-196	68.4				
PCB-187	357		PCB-191	11		PCB-203	112		Deca	Conc.	Qualifiers
PCB-182	1.9		PCB-170	205		PCB-195	40.4		PCB-209	28.6	
PCB-183	170		PCB-190	48.4		PCB-194	115				
PCB-185	19.4		PCB-189	12.7		PCB-205	4.43				
			Conc.	2,010		Conc.	592				
			EMPC	2,040		EMPC	592				

Sample ID: JW-UR-COMP-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	10.35 g	Sample ID:	A4371_9893_PCB_008-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	55.1 %	QC Batch No.:	9893	Date Analyzed:	05-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	6.72				ES PCB-1	33.6	
PCB-81 344'5"-TeCB	ND	0.602			ES PCB-3	38	
PCB-105 233'44"-PeCB	52.1				ES PCB-4	33.1	
PCB-114 2344'5"-PeCB	EMPC		2.17		ES PCB-15	66.6	
PCB-118 23'44'5"-PeCB	128				ES PCB-19	47.8	
PCB-123 23'44'5"-PeCB	2.5				ES PCB-37	120	
PCB-126 33'44'5"-PeCB	ND	0.494			ES PCB-54	78.5	
PCB-156/157 233'44'5"/233'44'5"-HxCB	20.8			C	ES PCB-77	160 V	
PCB-167 23'44'55"-HxCB	7.01				ES PCB-81	169 V	
PCB-169 33'44'55"-HxCB	ND	0.898			ES PCB-104	50	
PCB-189 233'44'55"-HpCB	1.28				ES PCB-105	102	
					ES PCB-114	95	
TEQs (WHO M/H)					ES PCB-118	103	
					ES PCB-123	95.5	
ND = 0	0.00704		0.0071		ES PCB-126	132 V	
ND = 0.5 x DL	0.0453		0.0453				
					ES PCB-155	90.2	
Totals					ES PCB-156/157	115	
					ES PCB-167	125 V	
					ES PCB-169	91.1	
Mono-CBs	17.6						
Di-CBs	59.5						
Tri-CBs	223		226				
Tetra-CBs	448		453		ES PCB-188	77.2	
Penta-CBs	899		903		ES PCB-189	128 V	
Hexa-CBs	841		844		ES PCB-202	87.5	
Hepta-CBs	252		260		ES PCB-205	109	
Octa-CBs	96.7				ES PCB-206	78.5	
Nona-CBs	22.7				ES PCB-208	91.8	
Deca-CB	11.3				ES PCB-209	90.1	
					CS PCB-28	143 V	
Total PCB (Mono-Deca)	2,870		2,890		CS PCB-111	114 V	
					CS PCB-178	95.1	

Checkcode: 290-629-QXF


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Report Created: 09-Jul-2012 15:38 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
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 USA

Sample ID: JW-UR-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	11-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	10.35 g		Sample ID:	A4371_9893_PCB_008-RJ		Date Extracted:	25-May-2012				
Date Collected:	08-May-2012		% Solids	55.1 %		QC Batch No.:	9893		Date Analyzed:	05-Jul-2012				
			Units	pg/g		Checkcode:	290-629-QXF		Time Analyzed:	23:57:26				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	6.97		PCB-19	(1.9)		PCB-54	(0.407)		PCB-72	1.16				
PCB-2	2.92		PCB-30/18	23	C	PCB-50/53	5.13	C	PCB-68	[0.703]	J EMPC			
PCB-3	7.69		PCB-17	14		PCB-45	[3.87]	EMPC	PCB-57	(0.689)				
			PCB-27	(1.31)		PCB-51	1.95		PCB-58	(0.684)				
Conc.	17.6		PCB-24	(1.29)		PCB-46	1.72		PCB-67	2.57				
EMPC	17.6		PCB-16	11.7		PCB-52	60.3		PCB-63	2.31				
			PCB-32	10.6		PCB-73	(0.301)		PCB-61/70/74/76	121	C			
Di	Conc.	Qualifiers	PCB-34	(1.36)		PCB-43	1.1		PCB-66	72				
PCB-4	4.98		PCB-23	(1.29)		PCB-69/49	28.2	C	PCB-55	0.955	J			
PCB-10	(4.13)		PCB-26/29	7.3	C	PCB-48	6.36		PCB-56	28.9				
PCB-9	(3.47)		PCB-25	[3.01]	EMPC	PCB-44/47/65	44.4	C	PCB-60	12.5				
PCB-7	(2.94)		PCB-31	40.2		PCB-59/62/75	3.37	C	PCB-80	(0.61)				
PCB-6	3.1		PCB-28/20	57.4	C	PCB-42	10.9		PCB-79	[0.856]	J EMPC			
PCB-5	(3.18)		PCB-21/33	20.6	C	PCB-41	2.46		PCB-78	(0.715)				
PCB-8	12.9	B	PCB-22	16.9		PCB-71/40	17.9	C	PCB-81	(0.602)				
PCB-14	(2.69)		PCB-36	(1.35)		PCB-64	16.3		PCB-77	6.72				
PCB-11	21.1	B	PCB-39	(1.3)										
PCB-13/12	2.52	C	PCB-38	(1.45)										
PCB-15	14.8		PCB-35	(1.47)										
			PCB-37	21.7										
Conc.	59.5		Conc.	223					Conc.	448				
EMPC	59.5		EMPC	226					EMPC	453				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			301			304		
						Tetra-Hexa			2,190			2,200		
						Hepta-Deca			383			391		
Mono-Deca			2,870			2,890								

Sample ID: JW-UR-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.524)		PCB-109/119/86...	84.2	C	PCB-155	(0.455)		PCB-165	(0.566)	
PCB-96	(0.522)		PCB-117	2.04		PCB-152	(0.485)		PCB-146	30.8	
PCB-103	1.39		PCB-116/85	22.8	C	PCB-150	(0.478)		PCB-161	(0.519)	
PCB-94	(0.762)		PCB-110	183		PCB-136	21		PCB-153/168	162	C
PCB-95	99.6		PCB-115	2.35		PCB-145	(0.505)		PCB-141	23.2	
PCB-100/93	1.6	J C	PCB-82	14.8		PCB-148	(0.655)		PCB-130	14.9	
PCB-102	3.16		PCB-111	(0.519)		PCB-151/135	52.9	C	PCB-137	9.05	
PCB-98	(0.775)		PCB-120	(0.526)		PCB-154	3.48		PCB-164	12.8	
PCB-88	(0.778)		PCB-108/124	5.07	C	PCB-144	7.04		PCB-163/138/129	219	C
PCB-91	16.4		PCB-107	11.2		PCB-147/149	131	C	PCB-160	(0.552)	
PCB-84	30.1		PCB-123	2.5		PCB-134	10.8		PCB-158	20.4	
PCB-89	(0.785)		PCB-106	(0.56)		PCB-143	(0.671)		PCB-128/166	29.4	C
PCB-121	(0.521)		PCB-118	128		PCB-139/140	[3.24]	EMPC C	PCB-159	(0.607)	
PCB-92	25.3		PCB-122	[1.35]	EMPC	PCB-131	2.28		PCB-162	(0.576)	
PCB-113/90/101	125	C	PCB-114	[2.17]	EMPC	PCB-142	(0.703)		PCB-167	7.01	
PCB-83	9.36		PCB-105	52.1		PCB-132	59.3		PCB-156/157	20.8	C
PCB-99	79		PCB-127	(0.514)		PCB-133	3.64		PCB-169	(0.898)	
PCB-112	(0.548)		PCB-126	(0.494)							
			Conc.	899					Conc.	841	
			EMPC	903					EMPC	844	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.473)		PCB-174	35.7		PCB-202	5.82		PCB-208	5.1	
PCB-179	15.6		PCB-177	25.5		PCB-201	2.81		PCB-207	1.94	
PCB-184	(0.486)		PCB-181	(1.29)		PCB-204	(1.04)		PCB-206	15.7	
PCB-176	3.79		PCB-171/173	11.7	C	PCB-197	(0.941)				
PCB-186	(0.459)		PCB-172	4.64		PCB-200	1.71		Conc.	22.7	
PCB-178	[7.75]	EMPC	PCB-192	(0.914)		PCB-198/199	31.6	C	EMPC	22.7	
PCB-175	(1.27)		PCB-180/193	47.4	C	PCB-196	10.6				
PCB-187	54.7		PCB-191	(0.894)		PCB-203	18		Deca	Conc.	Qualifiers
PCB-182	(1.19)		PCB-170	21.6		PCB-195	7.02		PCB-209	11.3	
PCB-183	20.3		PCB-190	5.73		PCB-194	19.1				
PCB-185	4.39		PCB-189	1.28		PCB-205	(1.02)				
			Conc.	252		Conc.	96.7				
			EMPC	260		EMPC	96.7				

Sample ID: JW-DR-COMP-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.69 g	Sample ID:	A4371_9893_PCB_009-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	50.3 %	QC Batch No.:	9893	Date Analyzed:	06-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	32.3				ES PCB-1	51.5	
PCB-81 344'5'-TeCB	1.21			J	ES PCB-3	50.4	
PCB-105 233'44'-PeCB	219				ES PCB-4	39.5	
PCB-114 2344'5'-PeCB	10.6				ES PCB-15	78.3	
PCB-118 23'44'5'-PeCB	537				ES PCB-19	53.5	
PCB-123 23'44'5'-PeCB	9.28				ES PCB-37	124 V	
PCB-126 33'44'5'-PeCB	1.52				ES PCB-54	76.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	76.6			C	ES PCB-77	160 V	
PCB-167 23'44'55'-HxCB	23				ES PCB-81	172 V	
PCB-169 33'44'55'-HxCB	ND	0.727			ES PCB-104	55.8	
PCB-189 233'44'55'-HpCB	3.72				ES PCB-105	102	
					ES PCB-114	98.9	
TEQs (WHO M/H)					ES PCB-118	102	
					ES PCB-123	100	
ND = 0	0.182			0.182	ES PCB-126	138 V	
ND = 0.5 x DL	0.193			0.193			
					ES PCB-155	90	
Totals					ES PCB-156/157	119	
					ES PCB-167	122 V	
					ES PCB-169	116	
Mono-CBs	137						
Di-CBs	274			289			
Tri-CBs	803						
Tetra-CBs	1,640			1,640	ES PCB-188	75	
Penta-CBs	3,080			3,080	ES PCB-189	123 V	
Hexa-CBs	2,370			2,380	ES PCB-202	83.1	
Hepta-CBs	589				ES PCB-205	109	
Octa-CBs	180			184	ES PCB-206	83.5	
Nona-CBs	39.9				ES PCB-208	85.8	
Deca-CB	15.1				ES PCB-209	86.6	
					CS PCB-28	140 V	
Total PCB (Mono-Deca)	9,120			9,160	CS PCB-111	109	
					CS PCB-178	87.6	

Checkcode: 637-454-WXH


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Report Created: 09-Jul-2012 15:39 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-DR-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.69 g		Sample ID:	A4371_9893_PCB_009-RJ		Date Extracted:	25-May-2012							
Date Collected:	08-May-2012		% Solids	50.3 %		QC Batch No.:	9893		Date Analyzed:	06-Jul-2012							
			Units	pg/g		Checkcode:	637-454-WXH		Time Analyzed:	00:52:32							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	42.1		PCB-19	4.28		PCB-54	(0.403)		PCB-72	3.28							
PCB-2	15.9		PCB-30/18	68.4	C	PCB-50/53	10.2	C	PCB-68	1.82							
PCB-3	79.1		PCB-17	36.1		PCB-45	8.68		PCB-57	0.853	J						
			PCB-27	6.26		PCB-51	3.04		PCB-58	0.968	J						
Conc.	137		PCB-24	(1.17)		PCB-46	3.29		PCB-67	7.7							
EMPC	137		PCB-16	31.3		PCB-52	206		PCB-63	8.61							
			PCB-32	28.6		PCB-73	(0.316)		PCB-61/70/74/76	499	C						
Di	Conc.	Qualifiers	PCB-34	(1.28)		PCB-43	3.78		PCB-66	288							
PCB-4	[14.7]	EMPC	PCB-23	(1.22)		PCB-69/49	83.9	C	PCB-55	(0.716)							
PCB-10	(3.49)		PCB-26/29	23.2	C	PCB-48	19.6		PCB-56	111							
PCB-9	3.51		PCB-25	12.5		PCB-44/47/65	134	C	PCB-60	55.5							
PCB-7	2.97		PCB-31	151		PCB-59/62/75	9	C	PCB-80	(0.663)							
PCB-6	10.6		PCB-28/20	214	C	PCB-42	31.1		PCB-79	[3.73]	EMPC						
PCB-5	1.55		PCB-21/33	75	C	PCB-41	8.47		PCB-78	(0.778)							
PCB-8	56.8		PCB-22	58.3		PCB-71/40	52	C	PCB-81	1.21	J						
PCB-14	(2.23)		PCB-36	(1.27)		PCB-64	52.5		PCB-77	32.3							
PCB-11	128	B	PCB-39	(1.23)													
PCB-13/12	9.43	C	PCB-38	(1.36)													
PCB-15	61.5		PCB-35	6.97													
			PCB-37	87.9													
Conc.	274		Conc.	803					Conc.	1,640							
EMPC	289		EMPC	803					EMPC	1,640							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,210			1,230		
						Tetra-Hexa						7,080			7,100		
						Hepta-Deca						824			828		
						Mono-Deca						9,120			9,160		

Sample ID: JW-DR-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.378)		PCB-109/119/86...	301	C	PCB-155	(0.312)		PCB-165	(0.388)	
PCB-96	1.84		PCB-117	9.31		PCB-152	(0.333)		PCB-146	82.6	
PCB-103	[2.41]	EMPC	PCB-116/85	69.7	C	PCB-150	(0.328)		PCB-161	(0.356)	
PCB-94	[0.991]	J EMPC	PCB-110	576		PCB-136	46.3		PCB-153/168	446	C
PCB-95	283		PCB-115	5.99		PCB-145	(0.347)		PCB-141	78.1	
PCB-100/93	2.7	C	PCB-82	48.9		PCB-148	(0.449)		PCB-130	42.8	
PCB-102	7.44		PCB-111	(0.477)		PCB-151/135	131	C	PCB-137	25.3	
PCB-98	(0.713)		PCB-120	2.34		PCB-154	6.38		PCB-164	38.5	
PCB-88	(0.715)		PCB-108/124	19.3	C	PCB-144	17.9		PCB-163/138/129	640	C
PCB-91	41.9		PCB-107	39.5		PCB-147/149	348	C	PCB-160	(0.379)	
PCB-84	86		PCB-123	9.28		PCB-134	28.2		PCB-158	60.5	
PCB-89	3.26		PCB-106	(0.515)		PCB-143	(0.461)		PCB-128/166	87.8	C
PCB-121	(0.479)		PCB-118	537		PCB-139/140	10.8	C	PCB-159	(0.693)	
PCB-92	79.7		PCB-122	6.75		PCB-131	[5.78]	EMPC	PCB-162	1.78	
PCB-113/90/101	448	C	PCB-114	10.6		PCB-142	(0.482)		PCB-167	23	
PCB-83	24.2		PCB-105	219		PCB-132	169		PCB-156/157	76.6	C
PCB-99	244		PCB-127	[1.52]	EMPC	PCB-133	8.63		PCB-169	(0.727)	
PCB-112	(0.504)		PCB-126	[1.52]							
			Conc.	3,080					Conc.	2,370	
			EMPC	3,080					EMPC	2,380	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.322)		PCB-174	73.9		PCB-202	12.8		PCB-208	8.18	
PCB-179	29.6		PCB-177	59.1		PCB-201	5.63		PCB-207	3.17	
PCB-184	(0.331)		PCB-181	(0.601)		PCB-204	(0.562)		PCB-206	28.6	
PCB-176	8.09		PCB-171/173	28.1	C	PCB-197	[1.28]	J EMPC			
PCB-186	(0.312)		PCB-172	10.8		PCB-200	[2.95]	EMPC	Conc.	39.9	
PCB-178	19		PCB-192	(0.463)		PCB-198/199	55.2	C	EMPC	39.9	
PCB-175	3.68		PCB-180/193	110	C	PCB-196	21				
PCB-187	117		PCB-191	2.78		PCB-203	33.7		Deca	Conc.	Qualifiers
PCB-182	(0.553)		PCB-170	54		PCB-195	14.3		PCB-209	15.1	
PCB-183	48.1		PCB-190	14.1		PCB-194	35.7				
PCB-185	8.04		PCB-189	3.72		PCB-205	1.39				
			Conc.	589		Conc.	180				
			EMPC	589		EMPC	184				

Sample ID: JW-RG-COMP-120508**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4371	Date Received:	18-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	9.31 g	Sample ID:	A4371_9893_PCB_010-RJ	Date Extracted:	25-May-2012
Date Collected:	08-May-2012	% Solids	62.7 %	QC Batch No.:	9893	Date Analyzed:	06-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	19.4				ES PCB-1	51.8	
PCB-81 344'5'-TeCB	ND	0.353			ES PCB-3	54.8	
PCB-105 233'44'-PeCB	75.4				ES PCB-4	39.9	
PCB-114 2344'5'-PeCB	EMPC		3.35		ES PCB-15	78.1	
PCB-118 23'44'5'-PeCB	204				ES PCB-19	57.9	
PCB-123 23'44'5'-PeCB	3.16				ES PCB-37	132 V	
PCB-126 33'44'5'-PeCB	EMPC		0.548	J	ES PCB-54	79	
PCB-156/157 233'44'5'/233'44'5'-HxCB	20.5			C	ES PCB-77	164 V	
PCB-167 23'44'55'-HxCB	7.09				ES PCB-81	179 V	
PCB-169 33'44'55'-HxCB	ND	0.482			ES PCB-104	56.3	
PCB-189 233'44'55'-HpCB	1.45				ES PCB-105	107	
					ES PCB-114	99	
TEQs (WHO M/H)					ES PCB-118	106	
					ES PCB-123	101	
ND = 0	0.0113		0.0662		ES PCB-126	139 V	
ND = 0.5 x DL	0.0388		0.0734				
					ES PCB-155	94.3	
Totals					ES PCB-156/157	123 V	
					ES PCB-167	122 V	
					ES PCB-169	110	
Mono-CBs	41.7						
Di-CBs	286						
Tri-CBs	1,210		1,210				
Tetra-CBs	1,540		1,540		ES PCB-188	76.7	
Penta-CBs	1,480		1,480		ES PCB-189	124 V	
Hexa-CBs	922		928		ES PCB-202	86.9	
Hepta-CBs	303		332		ES PCB-205	110	
Octa-CBs	149				ES PCB-206	84.6	
Nona-CBs	34.4				ES PCB-208	88.2	
Deca-CB	12.9				ES PCB-209	88.5	
					CS PCB-28	141 V	
Total PCB (Mono-Deca)	5,980		6,020		CS PCB-111	114 V	
					CS PCB-178	89.3	

Checkcode: 100-294-PJP


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Report Created: 09-Jul-2012 15:40 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-RG-COMP-120508**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4371		Date Received:	18-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	9.31 g		Sample ID:	A4371_9893_PCB_010-RJ		Date Extracted:	25-May-2012				
Date Collected:	08-May-2012		% Solids	62.7 %		QC Batch No.:	9893		Date Analyzed:	06-Jul-2012				
			Units	pg/g		Checkcode:	100-294-PJP		Time Analyzed:	01:47:39				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	17.7		PCB-19	11.3		PCB-54	(0.238)		PCB-72	4.25				
PCB-2	8.82		PCB-30/18	140	C	PCB-50/53	17.7	C	PCB-68	2.46				
PCB-3	15.2		PCB-17	74.6		PCB-45	18.8		PCB-57	[0.956]	J EMPC			
			PCB-27	13		PCB-51	4.83		PCB-58	[1.08]	EMPC			
Conc.	41.7		PCB-24	[1.51]	EMPC	PCB-46	7.76		PCB-67	7.17				
EMPC	41.7		PCB-16	69.1		PCB-52	192		PCB-63	8.63				
			PCB-32	50.8		PCB-73	0.823	J	PCB-61/70/74/76	365	C			
Di	Conc.	Qualifiers	PCB-34	(1.15)		PCB-43	4.89		PCB-66	241				
PCB-4	27.6		PCB-23	(1.09)		PCB-69/49	109	C	PCB-55	2.85				
PCB-10	1.49		PCB-26/29	37.6	C	PCB-48	26.3		PCB-56	101				
PCB-9	4.64		PCB-25	18.7		PCB-44/47/65	167	C	PCB-60	38.7				
PCB-7	3.03		PCB-31	209		PCB-59/62/75	14.9	C	PCB-80	(0.358)				
PCB-6	17.6		PCB-28/20	296	C	PCB-42	44.4		PCB-79	2.29				
PCB-5	1.63		PCB-21/33	116	C	PCB-41	9.12		PCB-78	(0.42)				
PCB-8	98.2		PCB-22	91.5		PCB-71/40	69.3	C	PCB-81	(0.353)				
PCB-14	(1.68)		PCB-36	(1.14)		PCB-64	61.8		PCB-77	19.4				
PCB-11	61.1	B	PCB-39	(1.1)										
PCB-13/12	7.7	C	PCB-38	(1.22)										
PCB-15	62.6		PCB-35	5.42										
			PCB-37	76.7										
Conc.	286		Conc.	1,210					Conc.	1,540				
EMPC	286		EMPC	1,210					EMPC	1,540				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,540			1,540		
						Tetra-Hexa			3,940			3,950		
						Hepta-Deca			499			528		
						Mono-Deca			5,980			6,020		

Sample ID: JW-RG-COMP-120508						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.261)		PCB-109/119/86...	135	C	PCB-155	(0.199)		PCB-165	(0.247)	
PCB-96	1.44		PCB-117	4.3		PCB-152	(0.212)		PCB-146	45.1	
PCB-103	3.3		PCB-116/85	34	C	PCB-150	(0.208)		PCB-161	(0.226)	
PCB-94	[1.13]	EMPC	PCB-110	282		PCB-136	21.1		PCB-153/168	198	C
PCB-95	163		PCB-115	2.68		PCB-145	(0.22)		PCB-141	26.4	
PCB-100/93	2.44	C	PCB-82	25.1		PCB-148	(0.286)		PCB-130	15.4	
PCB-102	5.06		PCB-111	(0.305)		PCB-151/135	67.1	C	PCB-137	7.27	
PCB-98	1.01	J	PCB-120	1.96		PCB-154	(0.26)		PCB-164	14.8	
PCB-88	(0.457)		PCB-108/124	6.9	C	PCB-144	[6.26]	EMPC	PCB-163/138/129	228	C
PCB-91	27.7		PCB-107	20.9		PCB-147/149	160	C	PCB-160	(0.241)	
PCB-84	51.6		PCB-123	3.16		PCB-134	(0.353)		PCB-158	18.9	
PCB-89	2.38		PCB-106	(0.329)		PCB-143	(0.293)		PCB-128/166	28.8	C
PCB-121	(0.306)		PCB-118	204		PCB-139/140	(0.272)	C	PCB-159	(0.407)	
PCB-92	45.7		PCB-122	[2.69]	EMPC	PCB-131	(0.321)		PCB-162	(0.387)	
PCB-113/90/101	213	C	PCB-114	[3.35]	EMPC	PCB-142	(0.307)		PCB-167	7.09	
PCB-83	14.1		PCB-105	75.4		PCB-132	58.6		PCB-156/157	20.5	C
PCB-99	151		PCB-127	(0.322)		PCB-133	4.82		PCB-169	(0.482)	
PCB-112	(0.321)		PCB-126	[0.548]	J EMPC						
			Conc.	1,480					Conc.	922	
			EMPC	1,480					EMPC	928	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.201)		PCB-174	46.1		PCB-202	8.88		PCB-208	6.8	
PCB-179	[17.8]	EMPC	PCB-177	32.4		PCB-201	4.1		PCB-207	2.89	
PCB-184	(0.206)		PCB-181	(0.585)		PCB-204	(0.43)		PCB-206	24.8	
PCB-176	4.73		PCB-171/173	13.4	C	PCB-197	1.1				
PCB-186	(0.195)		PCB-172	4.81		PCB-200	3.46		Conc.	34.4	
PCB-178	[10.6]	EMPC	PCB-192	(0.426)		PCB-198/199	47.6	C	EMPC	34.4	
PCB-175	2.35		PCB-180/193	60.4	C	PCB-196	17.3				
PCB-187	76.1		PCB-191	1.55		PCB-203	27.8		Deca	Conc.	Qualifiers
PCB-182	(0.539)		PCB-170	23.3		PCB-195	9.39		PCB-209	12.9	
PCB-183	27.7		PCB-190	6.52		PCB-194	28.1				
PCB-185	2.6		PCB-189	1.45		PCB-205	0.934	J			
			Conc.	303		Conc.	149				
			EMPC	332		EMPC	149				

Analytical Method: 8290 1613 8280

1668A DLM Other:

QC Date	Prev. WG	Prev. WG	Workgroup*	Logbook#	Page#
24-May-12	N/A	N/A	-	19	1605/1606

(1613)/(1668)

Sample Identification		Extraction by Modified Method 3540C (Soxhlet Extraction) <input checked="" type="checkbox"/> Dean-Stark? <input checked="" type="checkbox"/> Pre-Sox?				Extract Cleanup by Modified Method 3630/3620 (Silica/Florisil)			Injection Prep.			
Client Sample ID	SGS Sample ID* (1613) (1668)	Sample Matrix	Sample Weight*	ES Amt.* DX (μL) PCB		MX Amt. DX (μL) PCB		CS Amt.* DX (μL) PCB	PCU Analyst	PCU #2 Train	JS Amt.* DX (μL) PCB	
LMB for HBN 23992 [HXX/1605]	73530 73532	Soil	10.00	40	40	N/A		40 40	JHL	1	20	20
OPR for HBN 23992 [HXX/1605]	73531 73533	Soil	10.00	40	40	40 50		40 40	JHL	2	20	20
JW-EA58-COMP-120507	31201450001	Soil	14.25	40	40	N/A		40 40	JHL	3	20	20
JW-EA08-COMP-120507	31201450002	Soil	15.79	40	40	N/A		40 40	JHL	4	20	20
JW-EA06-COMP-120507	31201450003	Soil	16.10	40	40	N/A		40 40	JHL	5	20	20
JW-EA03-COMP-120507	31201450011	Soil	15.49	40	40	N/A		40 40	JHL	6	20	20
JW-EA02-COMP-120507	31201450012	Soil	14.71	40	40	N/A		40 40	JHL	7	20	20
JW-EA04-COMP-120507	31201450013	Soil	15.85	40	40	N/A		40 40	JHL	8	20	20
JW-EA09-COMP-120507	31201450021	Soil	14.95	40	40	N/A		40 40	JHL	9	20	20
JW-UR-COMP-120508	31201450027	Soil	18.80	40	40	N/A		40 40	JHL	10	20	20
JW-DR-COMP-120508	31201450028	Soil	15.29	40	40	N/A		40 40	JHL	11	20	20
JW-RG-COMP-120508	31201450029	Soil	14.84	40	40	N/A		40 40	JHL	12	20	20
-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-
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-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-
-	-	-	-	-	-	-		-	-	-	-	-


Balance Reference:
 WB1 SB1

Extraction Date/Time
 Start: 5/24/19:00 (DLM)
 Finish: 5/25/8:00 (DLM)
 START: 5/25/9:00 (DLM)
 FINISH: 5/25/19:00 (DLM)
 Extraction Analyst:
 HL

Data in prep table?

Cleanup Date/Time:
 5/30/12 12:00

Dioxin Standards	Lot #	Conc. (ng/uL)	Analyst	Witness	Items	Lot #
Extraction Std.	540-30A	0.05	HL	TJM	Toluene	STL1-1
Matrix Spike	540-31	0.005	HL	TJM	Tetradecane	N/A
Cleanup Std.	540-26	0.01	HL	JLS	MeCl	STL1-19
Injection Std.	540-37	0.10	HL	JLS	Salt	SPL2-217F
PCB Standards	540-34				Hexane	STL1-17
Extraction Std.	1668	0.05	HL	TJM	Acid Silica	SPL3-24
Matrix Spike	540-28A	0.01	HL	TJM	Base Silica	SPL3-23
Cleanup Std.	540-33	0.05	HL	JLS	Silica	SPL3-16X
Injection Std.	539-23	0.10	HL	JLS	Florisil	SPL3-16M

Comments:

 * = To be entered in the Prep Table. Data in prep table?



A4371 = AG_SGS project number

[] = samples this project

Anchor QEA 46 of 759
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB					
Address: 5500 Business Drive		Proj. No.: 120909-01-01									
City, etc.: Wilmington NC 28405		Sampler: KC/NS									
Phone: (910) 350-1903		Shipping Method: Overnight									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EAS8-SS29-1205	5/7/12	11:00	Sed	1	X						
JW-EAS8-SS30-1205	5/7/12	11:10	Sed	1		X					
JW-EAS8-SS31-1205	5/7/12	11:15	Sed	1		X					
JW-EAS8-SS32-1205	5/7/12	12:25	Sed	1		X					
JW-EAS8-WMP-1205	5/7/12	14:26	Sed	1			X				
JW-EA08-SS29-1205	5/7/12	11:00	Sed	1		X					
JW-EA08-SS30-1205	5/7/12	11:10	Sed	1		X					
JW-EA08-SS31-1205	5/7/12	11:15	Sed	1		X					
JW-EA08-SS32-1205	5/7/12	12:25	Sed	1		X					
JW-EA08-WMP-1205	5/7/12	15:28	Sed	1			X				
JW-EA06-SS22-1205	5/7/12	11:17	Sed	1		X					
JW-EA06-SS22-1205	5/7/12	11:12	Sed	1		X					
JW-EA06-SS23-1205	5/7/12	11:30	Sed	1		X					
JW-EA06-SS24-1205	5/7/12	11:40	Sed	1		X					
JW-EA06-WMP-1205	5/7/12	16:00	Sed	1			X				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:	COC Seals Intact? NA	Bottles Intact?

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 47 of 759
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested								Notes/ Comments:	
Lab: <i>SGS</i>		Surface Sediment											
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>											
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	PCB	Archieve	Dioxin	D/F PCB					
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X							
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X							
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X							
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X							
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X							
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X								
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1			X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X							
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X							
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X							
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X							
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1		X	X						<i>JB</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X							<i>5/15/12</i>
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X							
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:		
Company: <i>SGS</i>	Company:	Company:	# of Coolers:	Cooler <i>3.1</i>
Date/Time: <i>5/9/12 10:15</i>	Date/Time:	Date/Time:	<i>2</i>	Temp(s): <i>3.20</i>
			COC Seals Intact? <i>MA</i>	Bottles Intact?

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 48 of 759
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101									
City, etc.: Wilmington NC 28405		Sampler: KCONS									
Phone: 910-350-1903		Shipping Method: Overnight									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X						
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X					
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X					
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X					
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X				
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X					
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X					
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X					
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X					
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X				
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X	X				
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X	X	X			
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X		X			

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:	# of Coolers: 2 Cooler 3.1, Temp(s): 3.20	
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	COC Seals Intact? NA Bottles Intact?	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:	No Seals	
Date/Time:	Date/Time:	Date/Time:		



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900 ^{49 of 759}
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP-1205</i>	<i>5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34-1205</i>	<i>5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37-1205</i>	<i>5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35-1205</i>	<i>5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38-1205</i>	<i>5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33-1205</i>	<i>5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36-1205</i>	<i>5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Sample from JW-EA09-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <i>2</i>	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 150 of 759
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:				
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/DIF/PAHS									
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>													
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>													
Fax:		AirBill #:													
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>											
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>											
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>											
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	<u>X</u>										
<u>JW-EA05-COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		<u>X</u>									

@ 11°C

D/C. Proceed begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Johanna</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

Anchor QEA

31250 (4/359)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested						Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			ARCHIVE D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC										
City, etc: Wilmington NC 28405		Shipping Method: Over Night										
Phone: 910 350-1903		AirBill #:										
Fax:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X							
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X							
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X							
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X							
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X						
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X							
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X							
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X							
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X							
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X						
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X							
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X							
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X							
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X							
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X						

Relinquished: (Signature) <i>C. Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Cindy Fields	Printed Name:	Printed Name:		
Company: Anchor QEA	Company:	Company:		
Date/Time: 5/9/12 11:30am	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: 1 Cooler Temp(s): 1.3 COC Seals Intact? n/a Bottles Intact? P	
Printed Name:	Printed Name:	Printed Name: Amy Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/11/12-0915		

1015

326759 (50)



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>			Analyses Requested							Notes/ Comments:		
Lab: <u>SGS</u>		Substrate Sediment			PCB/DIF/PAHs									
Address: <u>5800 Business Drive</u>		Proj. No.: <u>120909-01.01</u>												
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>												
Phone: <u>910 350-1903</u>		Shipping Method: <u>Overnight</u>												
Fax:		AirBill #:												
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers										
<u>JW-EA10-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>3</u>	<u>X</u>									
<u>JW-EA01-Tissue</u>	<u>5/11/12 12:00</u>	<u>12:00</u>	<u>Tissue</u>	<u>5</u>	<u>X</u>									

Relinquished: (Signature) <u>[Signature]</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/9/12 11:30am</u>	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: <u>1</u>	Cooler Temp(s): <u>1.3°C</u>
Printed Name:	Printed Name:	Printed Name: <u>Amy Boehm</u>		
Company:	Company:	Company: <u>SGS</u>		
Date/Time:	Date/Time:	Date/Time: <u>5/11/12 10:15</u>		
			COC Seals Intact? <u>2/4</u>	Bottles Intact? <u>4</u>

Chain of Custody Record & Laboratory Analysis Request

312014508 of 759

Laboratory Number: _____
 Date: 5/17/2012
 Project Name: Jeld-Wen
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: 206.903.3385
 Shipment Method: FedEx



Line	Field Sample ID	Collection Date/Time	Lab ID	Matrix	No. of Containers	Dioxin/Furans	PCB Congeners	% Lipids											Comments			
1	JW-EA10-Tissue-120516	5/16/2012/0900		Tissue		X	X	X														add P&H-SIWA
2	JW-EA1-Tissue-120516	5/16/2012/0915		Tissue		X	X	X														
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						

*Standard TAT
 *Level 4 data package
 *See QAPP tables for analyte lists and QC requirements

Relinquished By: David Bellamy Company: Anchor QEA, LLC
 Signature/Printed Name: _____ Date/Time: 5/17/12 1530

Received By: _____ Company: SGS
 Signature/Printed Name: 351C Date/Time: 5/18/12 1040
Nocust, J. Scott

Relinquished By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

Received By: _____ Company: _____
 Signature/Printed Name: _____ Date/Time: _____

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Jeld-Wen** Work Order No.: **31201450**

- | | | |
|-----|--|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u> 3.5 </u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Descrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: _____

Inspected and Logged in by: JJ
 Date: Sat-5/19/12 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Jeld Wen

Work Order No.: 31201450

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered 2. <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms 3. <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape 4. <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking 5. <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>11.6, 1.3</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Received Outside of Temperature Specifications 6. <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted 7. <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) 8. <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time 9. <input type="checkbox"/> No Discrepancies Noted
<input checked="" type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Descrepancies* 10. <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | <p>Notes: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> |
|---|--|

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ
Date: Mon-5/14/12 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

Analytical Perspectives — Run Log


Project: A4371_9893_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120705S01	15	CS3_120705_PCB_SA	1.00	M1668-RETCON S40-51	LKB	721-881	05-Jul-2012	11:33:26
2	120705S02	29	OPR1_9893_PCB-RJ	1.00	OPR #73533	LKB	660-384	05-Jul-2012	12:41:45
3	120705S03	3	SBS_120705_PCB_SA	1.00	SIL9-41-1	LKB	369-353	05-Jul-2012	13:34:47
4	120705S04	30 ✓	MB1_9893_PCB_SDS-RJ	1.00	MB #73532	LKB	223-346	05-Jul-2012	14:38:04
5	120705S05	31	A4371_9893_PCB_001-RJ	7.19	JW-EA58-COMP-120507	LKB	716-834	05-Jul-2012	15:31:06
6	120705S06	32	A4371_9893_PCB_002-RJ	8.15	JW-EA08-COMP-120507	LKB	113-638	05-Jul-2012	16:26:10
7	120705S07	33	A4371_9893_PCB_003-RJ	9.38	JW-EA06-COMP-120507	LKB	031-742	05-Jul-2012	17:21:14
8	120705S08	34 ✓	A4371_9893_PCB_004-RJ	6.91	JW-EA03-COMP-120507	LKB	364-195	05-Jul-2012	18:16:17
9	120705S09	3	SBS_120705_PCB_SB	1.00	SIL9-41-1	LKB	502-351	05-Jul-2012	19:11:21
10	120705S10	15	CS3_120705_PCB_SB	1.00	M1668-RETCON S40-51	LKB	109-887	05-Jul-2012	20:06:24
11	120705S11	35	A4371_9893_PCB_005-RJ	6.59	JW-EA02-COMP-120507	LKB	818-121	05-Jul-2012	21:14:20
12	120705S12	36	A4371_9893_PCB_006-RJ	9.53	JW-EA04-COMP-120507	LKB	275-977	05-Jul-2012	22:07:24
13	120705S13	37	A4371_9893_PCB_007-RJ	9.48	JW-EA09-COMP-120507	LKB	746-448	05-Jul-2012	23:02:26
14	120705S14	38 ✓	A4371_9893_PCB_008-RJ	10.35	JW-UR-COMP-120508	LKB	296-129	05-Jul-2012	23:57:26
15	120705S15	39	A4371_9893_PCB_009-RJ	7.69	JW-DR-COMP-120508	LKB	696-554	06-Jul-2012	00:52:32
16	120705S16	40	A4371_9893_PCB_010-RJ	9.31	JW-RG-COMP-120508	LKB	182-994	06-Jul-2012	01:47:39

 = manual calculation
REVIEWED*By Laura Boivin at 4:37 pm, Jul 09, 2012***REVIEWED***By Todd Vilen at 12:51 pm, Jul 11, 2012*

Lab ID: MB1_9893_PCB_SDS-RJ

ACQ: 05-Jul-2012 14:38:04 LKB Wt/Vol: 5.00 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: MB #73532

UTP: 09-Jul-2012 14:49 LKB

J-level: 2 pg/g Split: 1

Checkcode: 223-346-WHS

Datafile: 120705S04

RPT: 09-Jul-2012 15:01 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.22	ND	9.38E+02	0.234
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	9.38E+02	0.217
PCB-105 233'44'-PeCB	32.21	J EMPC	1.0007	1.0007	0	1.64E+04	0.81	1.03	0.611	6.13E+02	0.234
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	6.13E+02	0.223
PCB-118 23'44'5'-PeCB	31.24	J	1.0008	1.0007	-0.2	4.61E+04	0.57	1.03	1.69	6.13E+02	0.226
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		0.93	ND	6.13E+02	0.251
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	7.13E+02	0.23
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.05	ND	5.26E+02	0.279
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	5.26E+02	0.204
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	5.26E+02	0.309
PCB-189 233'44'55'-HpCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	6.08E+02	0.194
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	4.12E+02	0.334
ES PCB-1	9.85		0.7181	0.7177	-0.2	1.06E+07	3.38	1.01	50.2 %	4%	100%
ES PCB-3	11.79		0.8583	0.8585	+0.1	1.05E+07	3.27	1.05	47.7 %	11%	106%
ES PCB-4	11.99		0.8732	0.8731	-0.1	6.42E+06	1.61	0.70	43.9 %	14%	107%
ES PCB-15	17.10		1.2453	1.2456	+0.3	1.52E+07	1.64	1.17	61.8 %	19%	107%
ES PCB-19	14.68		1.0698	1.0696	-0.2	6.79E+06	0.99	0.57	57.1 %	1%	108%
ES PCB-37	23.08		1.0865	1.0869	+0.6	1.19E+07	1.08	1.41	80.3 %	25%	123%
ES PCB-54	17.32		0.8157	0.8158	+0.1	8.26E+06	0.79	1.32	59.3 %	13%	105%
ES PCB-77	29.26		1.3777	1.3779	+0.4	1.36E+07	0.82	1.22	106 %	31%	109%
ES PCB-81	28.79		1.3557	1.3558	+0.2	1.36E+07	0.81	1.15	112 %	14%	127%
ES PCB-104	22.03		0.8147	0.8149	+0.3	7.39E+06	1.59	1.69	46.6 %	36%	115%
ES PCB-105	32.19		1.1906	1.1907	+0.2	1.05E+07	1.63	1.21	92.2 %	50%	111%
ES PCB-114	31.66		1.1709	1.1710	+0.2	1.00E+07	1.69	1.23	86.6 %	41%	121%
ES PCB-118	31.22		1.1547	1.1547	0	1.06E+07	1.60	1.25	90.2 %	49%	111%
ES PCB-123	30.94		1.1444	1.1445	+0.2	1.07E+07	1.67	1.33	85.4 %	49%	116%
ES PCB-126	34.81		1.2871	1.2873	+0.4	1.23E+07	1.56	1.36	96.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	9.49E+06	1.26	1.40	85.9 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1036	+0.2	1.97E+07	1.26	1.13	110 %	40%	120%
ES PCB-167	36.38		1.0753	1.0753	0	9.72E+06	1.31	1.13	109 %	45%	118%
ES PCB-169	40.07		1.1842	1.1843	+0.2	7.18E+06	1.23	1.14	79.8 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7203	-0.2	7.38E+06	1.08	1.34	69.9 %	23%	125%
ES PCB-189	42.20		0.9598	0.9598	0	1.18E+07	1.08	1.77	97.5 %	47%	116%
ES PCB-202	36.18		0.8230	0.8229	-0.2	8.02E+06	0.93	1.27	80.1 %	31%	134%
ES PCB-205	44.36		1.0090	1.0090	0	9.33E+06	0.88	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0424	0	6.74E+06	0.78	1.07	92.6 %	38%	122%
ES PCB-208	41.80		0.9508	0.9507	-0.3	8.38E+06	0.78	1.34	91.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0733	+0.3	7.57E+06	1.22	1.18	93.7 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9271	+0.2	1.41E+07	1.10	0.98	120 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0843	0	1.15E+07	1.68	0.90	120 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0117	-0.2	5.47E+06	1.08	0.65	115 %	57%	125%
CS PCB-28	19.69		0.9269	0.9271	+0.2	1.41E+07	1.10	1.39	96.7 %	14%	131%
CS PCB-111	29.32		1.0843	1.0843	0	1.15E+07	1.68	1.19	103 %	57%	112%
CS PCB-178	34.23		1.0118	1.0117	-0.2	5.47E+06	1.08	0.87	80.1 %	57%	125%
JS PCB-9	13.73					2.10E+07	1.62				
JS PCB-52	21.23					1.05E+07	0.79				
JS PCB-101	27.04					9.40E+06	1.62				
JS PCB-138	33.83					7.87E+06	1.32				
JS PCB-194	43.97					6.82E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0.517	0.517	0.309		
						Di-CBs	23.5	23.5	4.01		
						Tri-CBs	8.25	8.25	0.485		
						Tetra-CBs	9.44	9.83	0.229		
						Penta-CBs	10.7	12.5	0.253		
						Hexa-CBs	10.2	11.1	0.257		
						Hepta-CBs	0	0	0.333		
						Octa-CBs	0	0	0.3		
						Nona-CBs	0	0	0.389		
PCB-1 2-MoCB	9.86	J	1.0011	1.0010	-0.1	1.65E+04	2.84	1.20	0.517	1.68E+03	0.257
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.25	ND	1.68E+03	0.325
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00		1.13	ND	1.68E+03	0.36
PCB-4 22'-DiCB	NotFnd		1.0012	-		0.00E+00		0.94	ND	1.34E+04	5.44
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.34E+04	3.11
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	1.16E+04	2.81
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.04	ND	1.16E+04	2.49
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		1.01	ND	1.16E+04	2.58
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.99	ND	1.16E+04	2.63
PCB-8 24'-DiCB	14.47	J	1.0533	1.0536	+0.3	5.68E+04	SI	1.03	1.45	4.03E+03	0.871
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.16E+04	2.26
PCB-11 33'-DiCB	16.59		0.9701	0.9701	0	7.98E+05	1.35	0.95	22	1.16E+04	2.72
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.98	ND	1.16E+04	2.66
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		1.01	ND	1.16E+04	2.58

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	1.01		ND	1.19E+03	0.491
PCB-30/18 246/22'5-TrCB	16.32	J C	1.1110	1.1115	+0.5	3.91E+04	1.11	1.24	1.85	1.19E+03	0.399
PCB-17 22'4-TrCB	16.67	J	1.1357	1.1352	-0.5	1.93E+04	1.12	1.05	1.09	1.19E+03	0.473
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.39	ND	1.19E+03	0.356
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	1.19E+03	0.373
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.83	ND	1.19E+03	0.595
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.50	ND	1.19E+03	0.331
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	1.72E+03	0.421
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	1.72E+03	0.402
PCB-26/29 23'5/245-TrCB	18.99	J C	0.8236	0.8229	-0.8	2.64E+04	0.96	1.42	0.623	1.72E+03	0.405
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.42	ND	1.72E+03	0.402
PCB-31 24'5-TrCB	19.46	J	0.8430	0.8430	0	5.92E+04	1.19	1.48	1.34	1.72E+03	0.388
PCB-28/20 244'/233'-TrCB	19.70	J C	0.8542	0.8536	-0.7	6.65E+04	1.09	1.41	1.58	1.72E+03	0.406
PCB-21/33 234/23'4'-TrCB	19.90	J C	0.8612	0.8621	+1.1	2.98E+04	1.07	1.43	0.696	1.72E+03	0.4
PCB-22 234'-TrCB	20.23	J	0.8766	0.8766	0	2.16E+04	1.13	1.34	0.542	1.72E+03	0.429
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	1.72E+03	0.413
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	1.72E+03	0.399
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	1.72E+03	0.448
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.28	ND	1.72E+03	0.45
PCB-37 344'-TrCB	23.09	J	1.0008	1.0005	-0.4	1.93E+04	1.12	1.20	0.538	1.72E+03	0.478
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.85E+02	0.236
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.80	ND	6.12E+02	0.22
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.68	ND	6.12E+02	0.258
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.81	ND	6.12E+02	0.218
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.66	ND	6.12E+02	0.268
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	7.69E+04	0.79	0.73	3.08	6.12E+02	0.24
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	6.12E+02	0.182
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.67	ND	6.12E+02	0.264
PCB-69/49 23'46/22'45'-TeCB	21.67	J C	1.0198	1.0205	+0.9	3.28E+04	0.82	0.90	1.07	6.12E+02	0.195
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.74	ND	6.12E+02	0.237
PCB-44/47/65 ...-TeCB	22.10	J C	1.0416	1.0408	-1.1	4.60E+04	0.78	0.80	1.69	6.12E+02	0.219
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.01	ND	6.12E+02	0.174
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.71	ND	6.12E+02	0.249
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.62	ND	6.12E+02	0.284
PCB-71/40 23'4'6/22'33'-TeCB	22.96	J C	1.0806	1.0813	+1.0	1.17E+04	0.89	0.77	0.448	6.12E+02	0.23
PCB-64 234'6-TeCB	23.14	J EMPC	1.0899	1.0898	-0.1	1.41E+04	1.03	1.07	0.388	6.12E+02	0.164
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.28	ND	9.38E+02	0.211
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.33	ND	9.38E+02	0.203
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	9.38E+02	0.225
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.20	ND	9.38E+02	0.226
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.23	ND	9.38E+02	0.22
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.32	ND	9.38E+02	0.205
PCB-61/70/74/76 ...-TeCB	25.32	J C	0.8792	0.8794	+0.3	8.29E+04	0.72	1.23	1.98	9.38E+02	0.219
PCB-66 23'44'-TeCB	25.59	J	0.8888	0.8889	+0.2	4.57E+04	0.77	1.16	1.17	9.38E+02	0.233
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.17	ND	9.38E+02	0.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.15	ND	9.38E+02	0.235
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.21	ND	9.38E+02	0.223
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	9.38E+02	0.201
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.26	ND	9.38E+02	0.215
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	9.38E+02	0.26
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.66E+02	0.354
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	6.66E+02	0.348
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.86	ND	6.13E+02	0.269
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	6.13E+02	0.307
PCB-95 22'35'6'-PeCB	24.56		0.9082	0.9085	+0.4	5.88E+04	0.63	0.83	2.67	6.13E+02	0.28
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	6.13E+02	0.28
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.98	ND	6.13E+02	0.238
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	6.13E+02	0.323
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	6.13E+02	0.315
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.90	ND	6.13E+02	0.257
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.71	ND	6.13E+02	0.329
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.74	ND	6.13E+02	0.314
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	6.13E+02	0.218
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.74	ND	6.13E+02	0.312
PCB-113/90/101 ...-PeCB	27.06	J C	0.9999	1.0009	+1.6	6.34E+04	0.60	0.88	2.72	6.13E+02	0.265
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.64	ND	6.13E+02	0.36
PCB-99 22'44'5'-PeCB	27.55	J	1.0190	1.0190	0	2.38E+04	0.54	0.78	1.15	6.13E+02	0.297
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	6.13E+02	0.224
PCB-108/119/86/97/125...-PeCB	28.01	J EMPC C	1.0347	1.0359	+2.0	2.88E+04	0.78	0.90	1.2	6.13E+02	0.258
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.71	ND	6.13E+02	0.325
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		1.00	ND	6.13E+02	0.232
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	6.51E+04	0.62	0.99	2.46	6.13E+02	0.234
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		1.00	ND	6.13E+02	0.231
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.65	ND	6.13E+02	0.359
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	6.13E+02	0.224
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	6.13E+02	0.223
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.96	ND	6.13E+02	0.242
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		0.98	ND	6.13E+02	0.237
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	6.13E+02	0.248
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.97	ND	6.13E+02	0.253
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	6.13E+02	0.255
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.00E+02	0.234
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.00E+02	0.249
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	6.00E+02	0.242
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	6.00E+02	0.268
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.00E+02	0.26
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	6.00E+02	0.343
PCB-151/135 ...-HxCB	29.50	J C	1.0986	1.0984	-0.4	2.41E+04	1.08	0.70	1.45	6.00E+02	0.354
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	6.00E+02	0.317
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.70	ND	6.00E+02	0.354

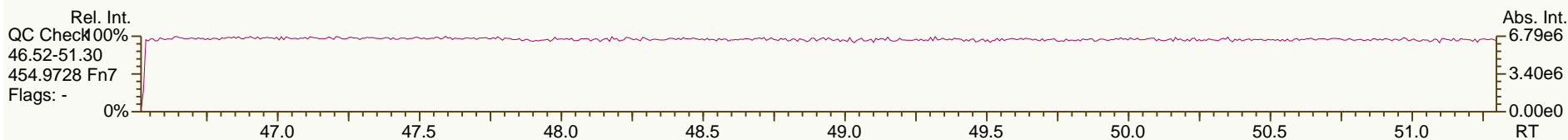
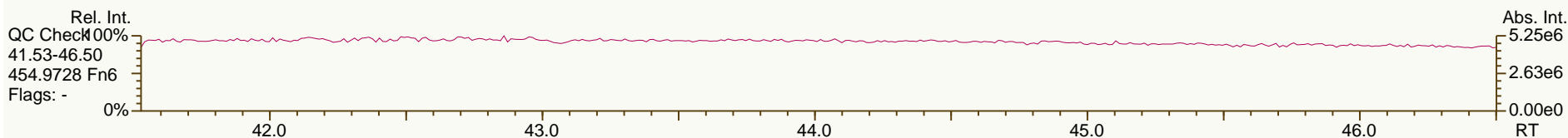
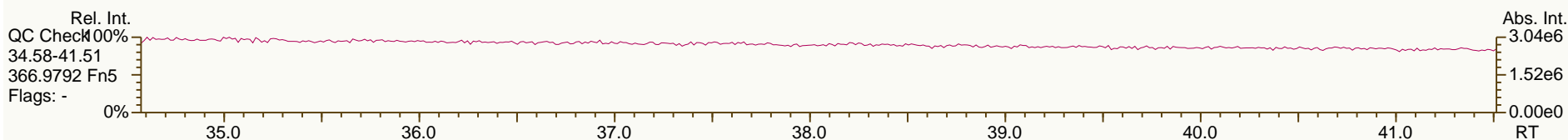
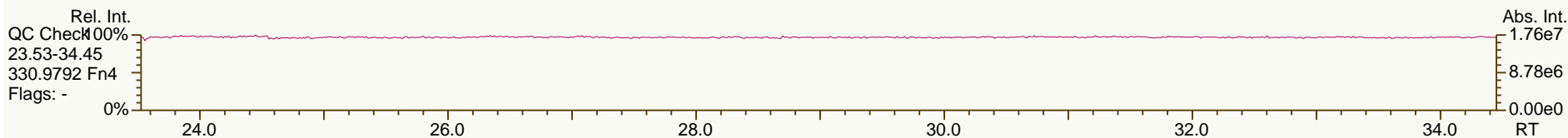
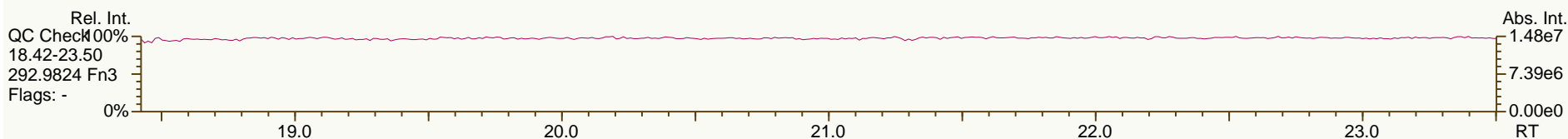
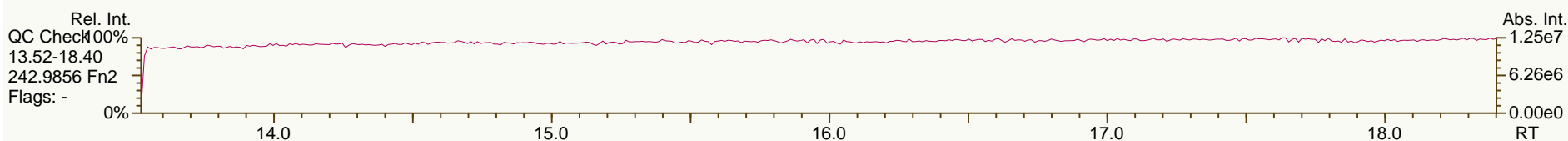
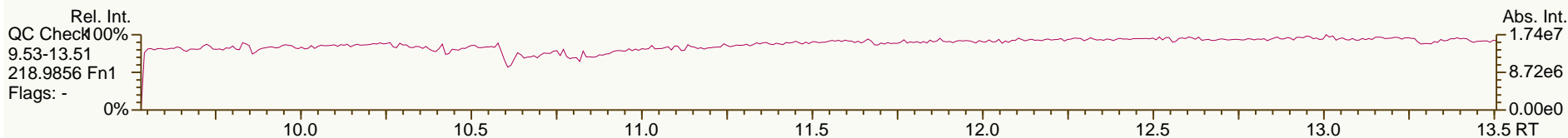
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	J C	1.1269	1.1268	-0.2	5.45E+04	1.30	0.72	3.2	6.00E+02	0.345
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.59	ND	6.00E+02	0.423
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	6.00E+02	0.373
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.73	ND	6.00E+02	0.338
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.61	ND	6.00E+02	0.406
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	6.00E+02	0.4
PCB-132 22'33'46"-HxCB	31.31	J EMPC	1.1655	1.1656	+0.2	1.31E+04	1.59	0.64	0.866	6.00E+02	0.387
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00		0.64	ND	6.00E+02	0.386
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	6.00E+02	0.315
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00		0.68	ND	6.00E+02	0.366
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	6.00E+02	0.282
PCB-153/168 ...-HxCB	32.82	J C	0.9709	0.9701	-1.6	5.44E+04	1.38	0.89	2.58	6.00E+02	0.278
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00		0.65	ND	6.00E+02	0.381
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00		0.58	ND	6.00E+02	0.426
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		0.66	ND	6.00E+02	0.375
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00		0.89	ND	6.00E+02	0.279
PCB-163/138/129 ...-HxCB	33.86	J C	1.0012	1.0007	-1.0	5.03E+04	1.38	0.72	2.96	6.00E+02	0.346
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	6.00E+02	0.289
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00		0.93	ND	6.00E+02	0.265
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00		0.99	ND	5.26E+02	0.223
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	5.26E+02	0.209
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.12	ND	5.26E+02	0.197
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.90E+02	0.344
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00		1.04	ND	6.90E+02	0.354
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	6.90E+02	0.365
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00		1.11	ND	6.90E+02	0.329
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	6.90E+02	0.35
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00		0.80	ND	6.90E+02	0.457
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.97	ND	7.00E+02	0.385
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00		1.03	ND	7.00E+02	0.361
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	7.00E+02	0.363
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00		1.08	ND	7.00E+02	0.346
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.93	ND	7.00E+02	0.399
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00		0.84	ND	7.00E+02	0.44
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00		0.83	ND	7.00E+02	0.445
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	7.00E+02	0.395
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00		0.84	ND	7.00E+02	0.441
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00		0.61	ND	7.00E+02	0.408
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	7.00E+02	0.313
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00		0.84	ND	7.00E+02	0.295
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.80	ND	7.00E+02	0.31
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00		0.70	ND	7.00E+02	0.356
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00		0.78	ND	7.00E+02	0.317
PCB-202 22'33'55'66"-OoCB	NotFnd		1.0006	-		0.00E+00		0.83	ND	5.48E+02	0.375
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00		0.99	ND	5.48E+02	0.314

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	5.48E+02	0.336
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	5.48E+02	0.289
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.86	ND	5.48E+02	0.362
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.69	ND	5.48E+02	0.446
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.70	ND	5.48E+02	0.442
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.77	ND	5.48E+02	0.405
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.67	ND	5.02E+02	0.366
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.74	ND	5.02E+02	0.33
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	5.02E+02	0.224
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		0.98	ND	5.59E+02	0.364
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.01	ND	5.59E+02	0.35
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.93	ND	5.59E+02	0.414

AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

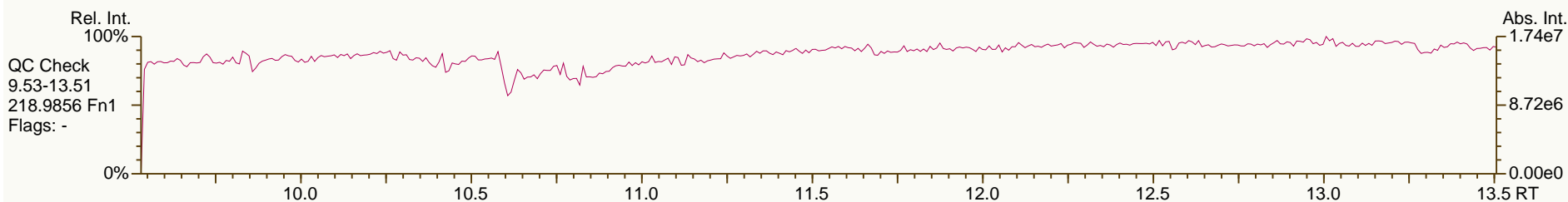
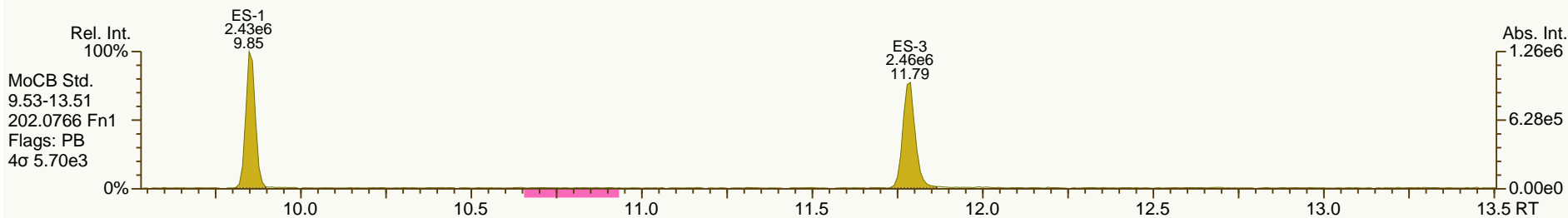
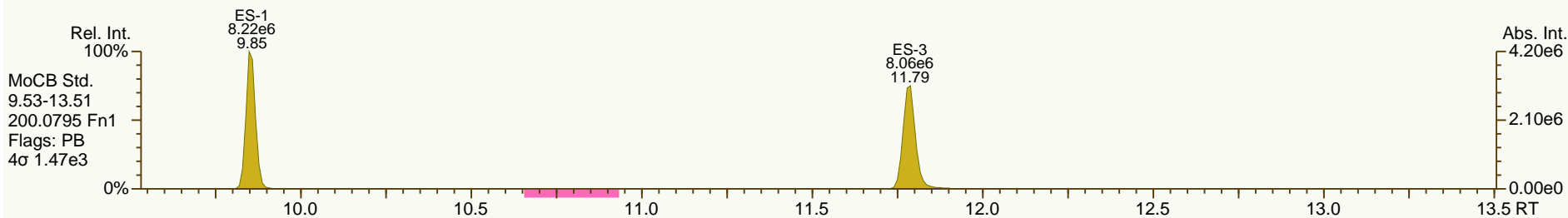
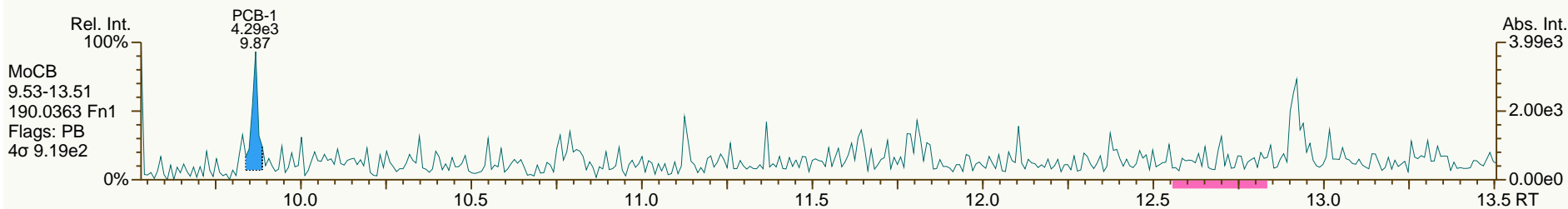
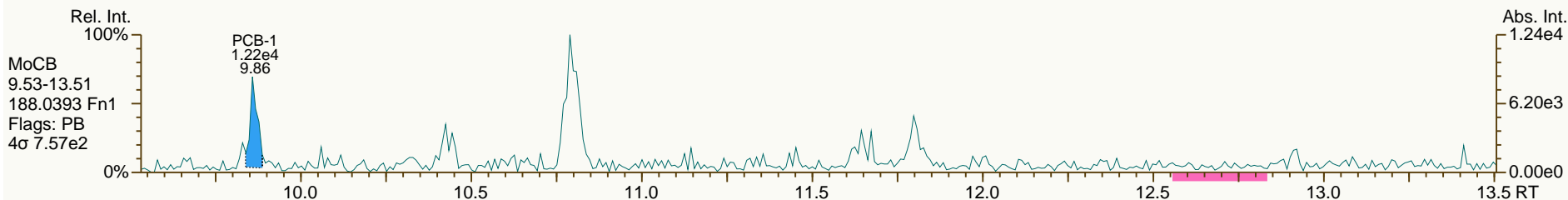
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

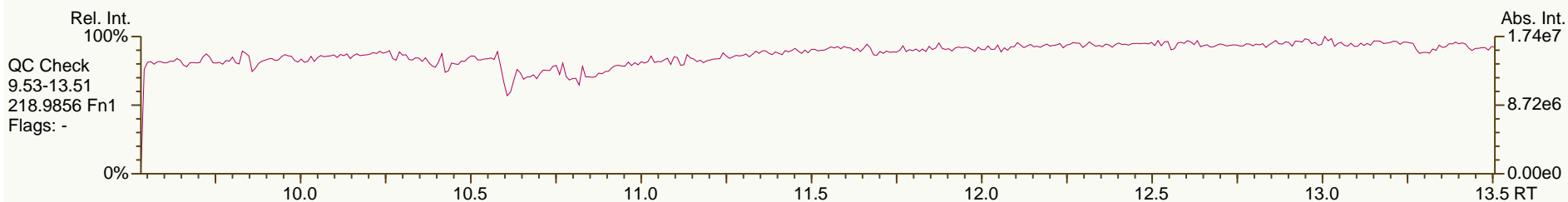
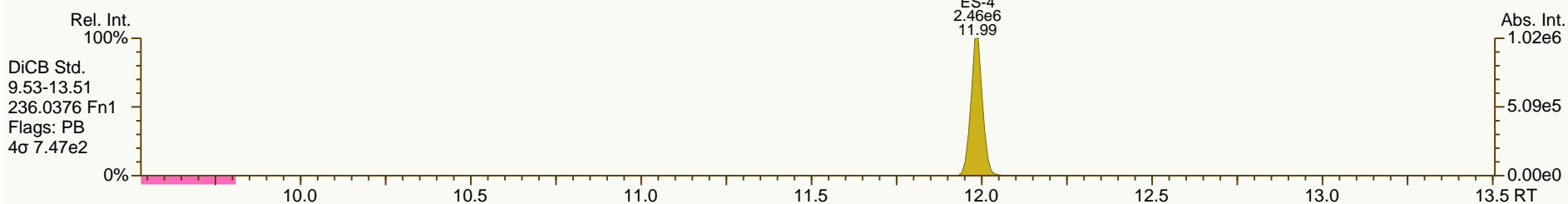
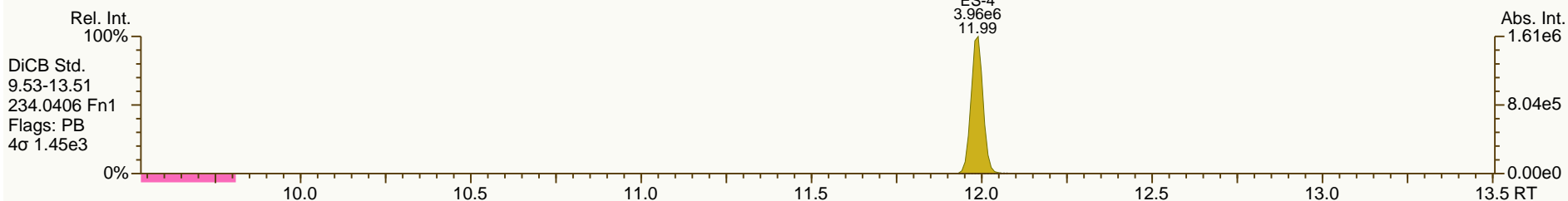
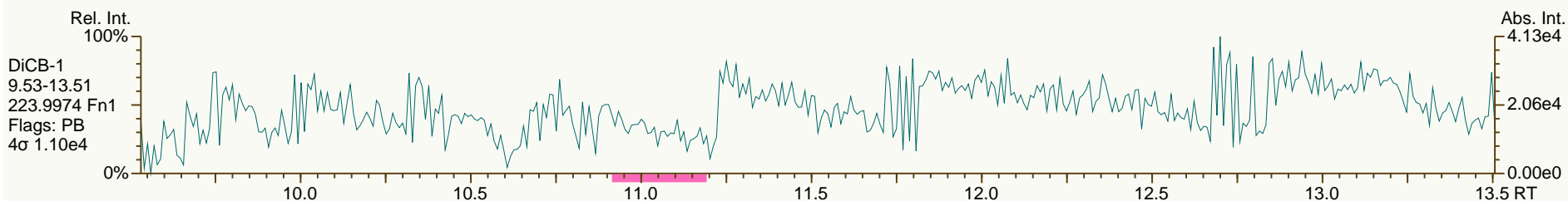
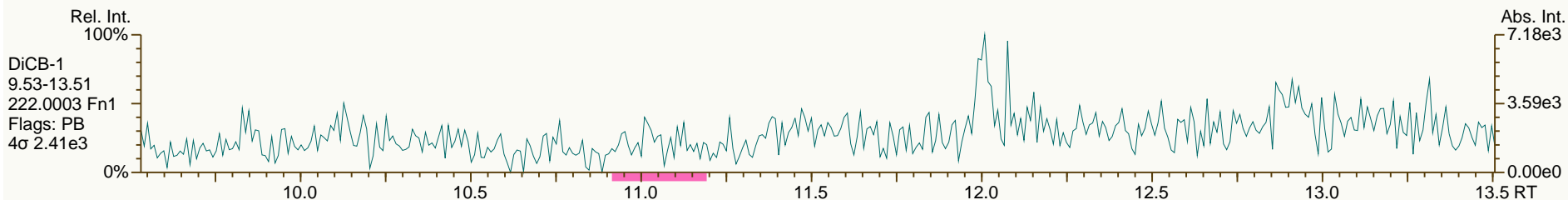
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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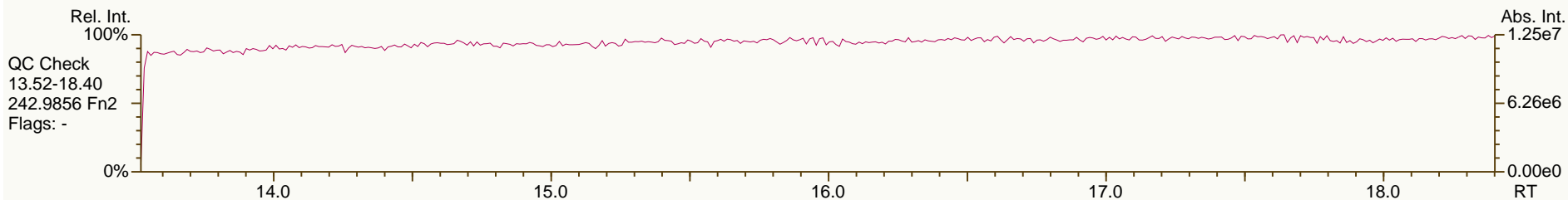
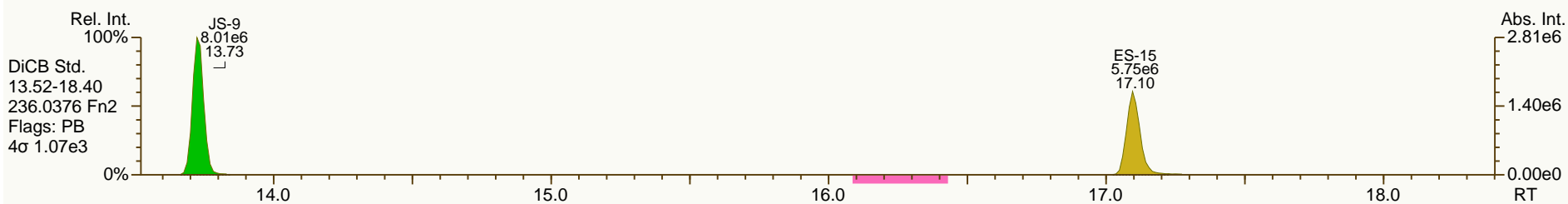
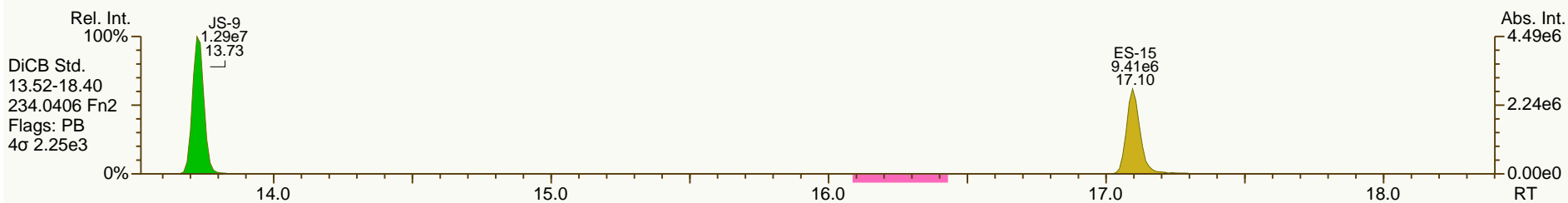
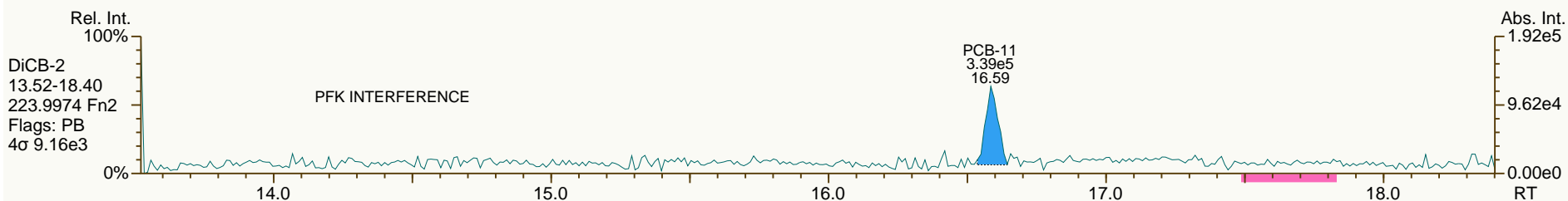
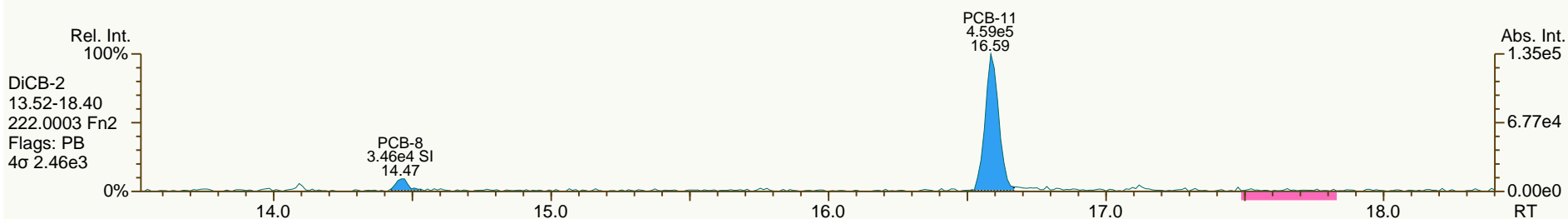
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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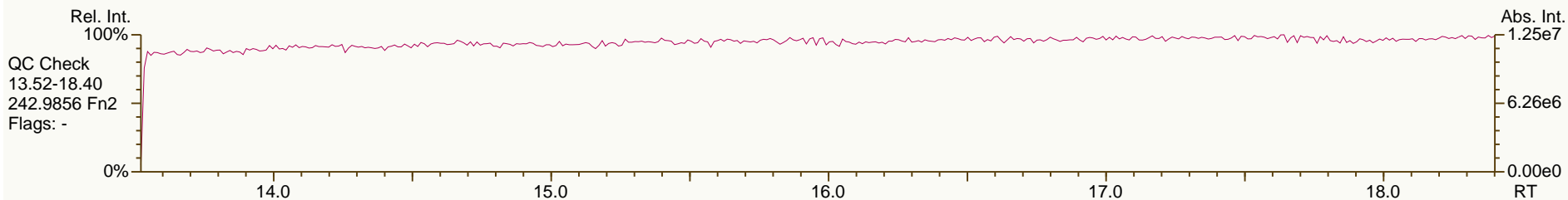
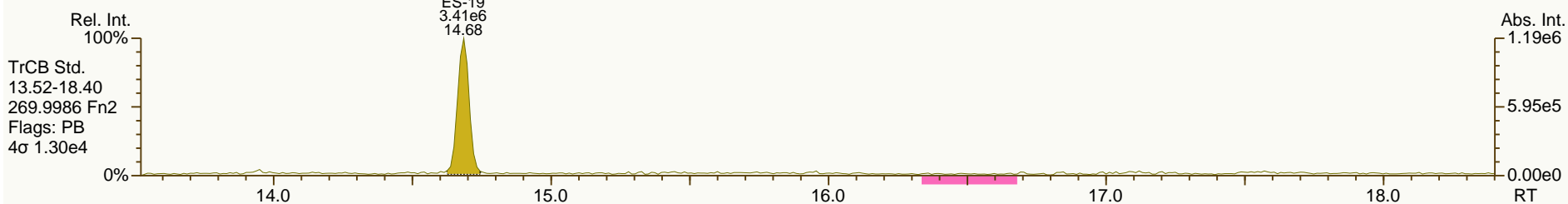
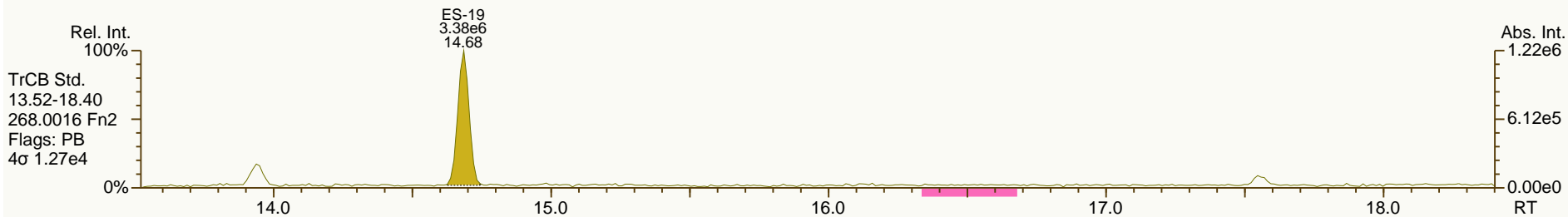
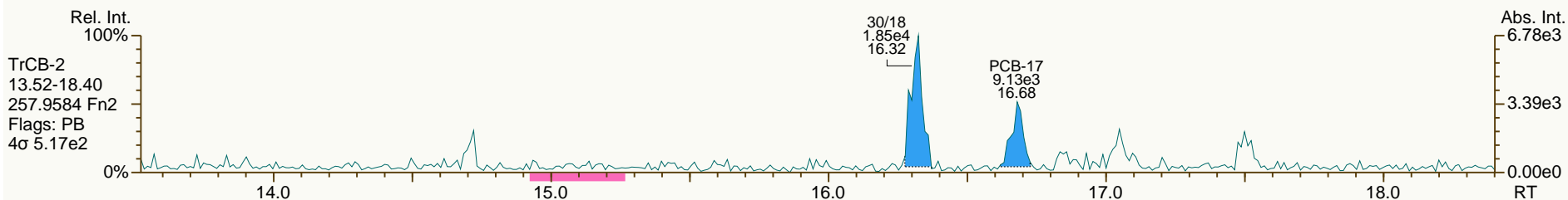
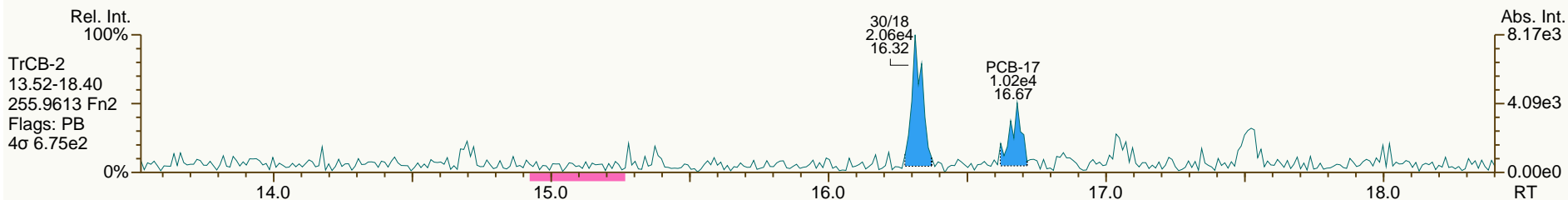
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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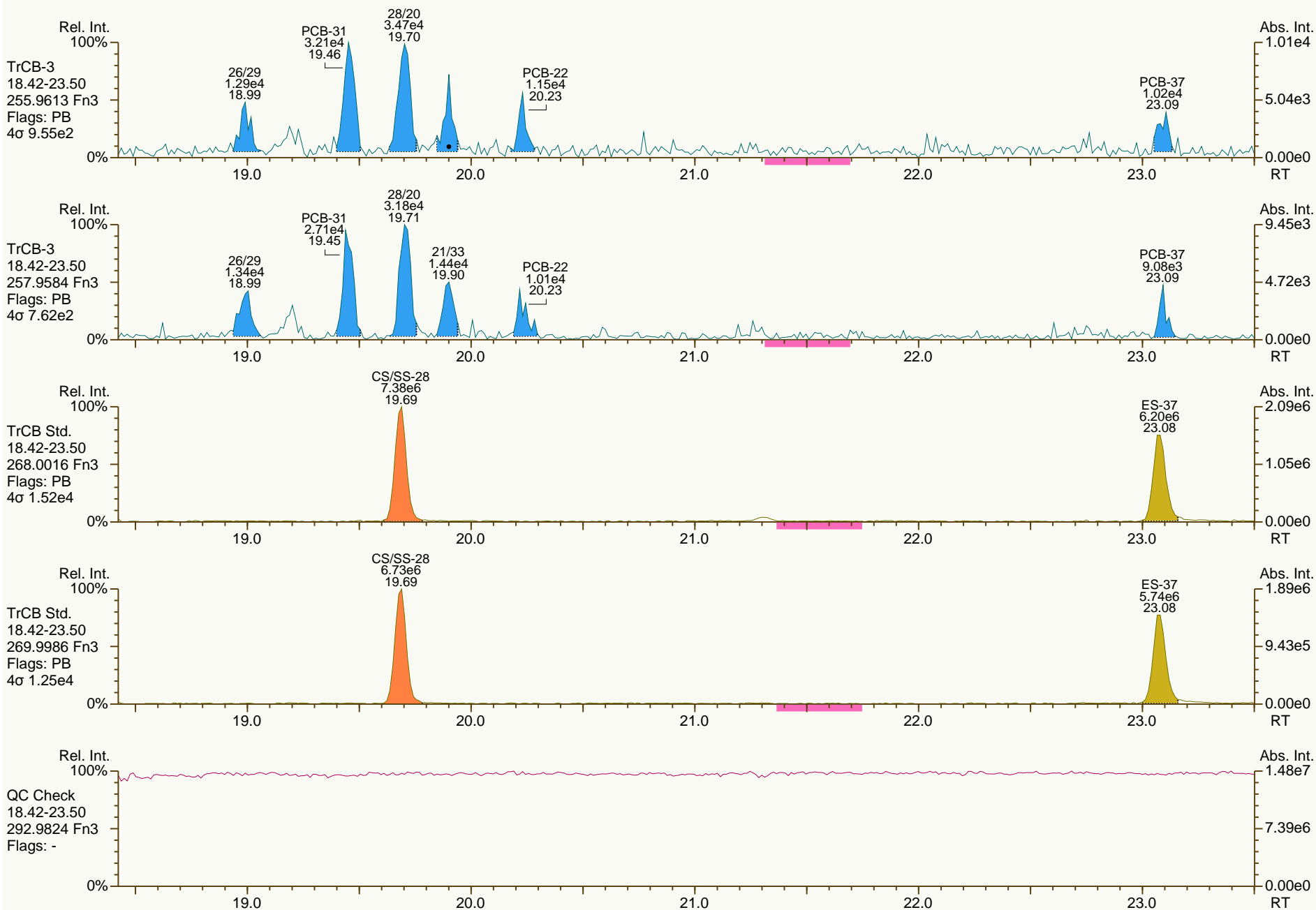
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

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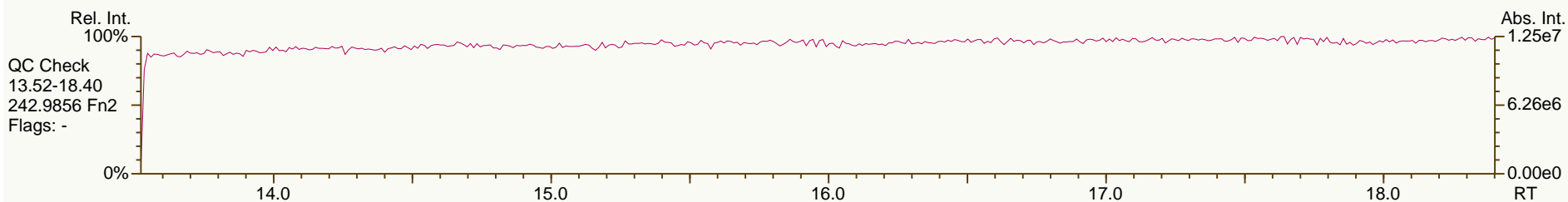
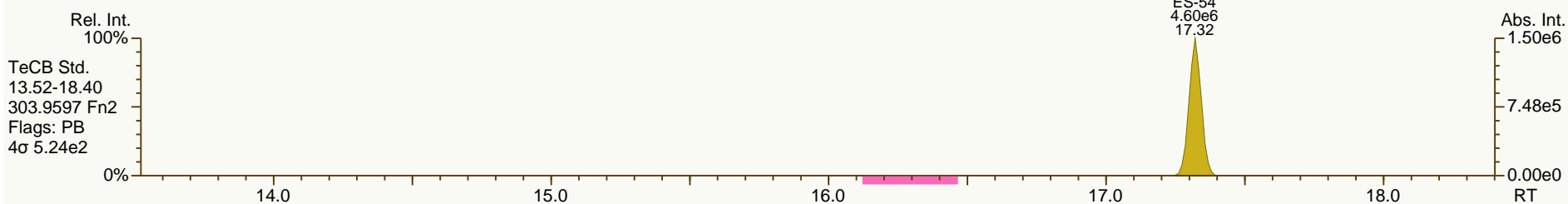
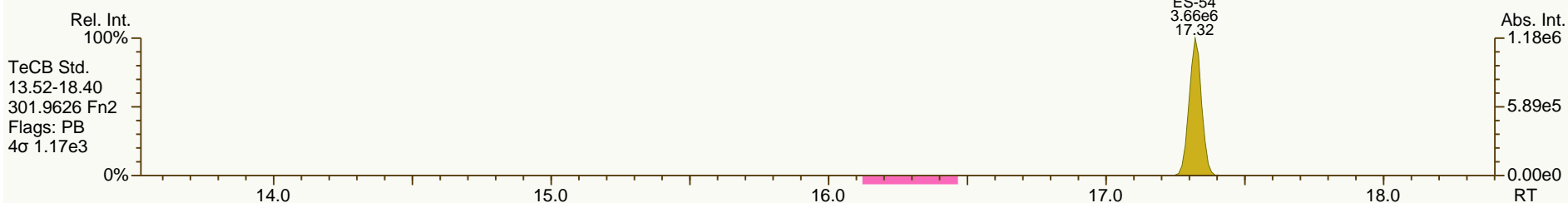
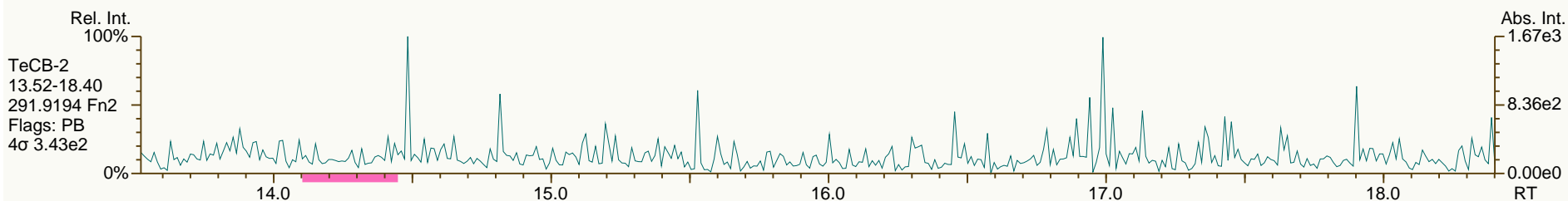
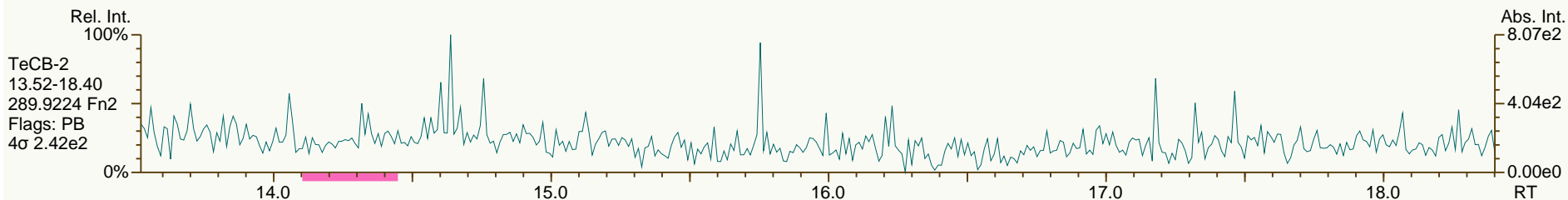
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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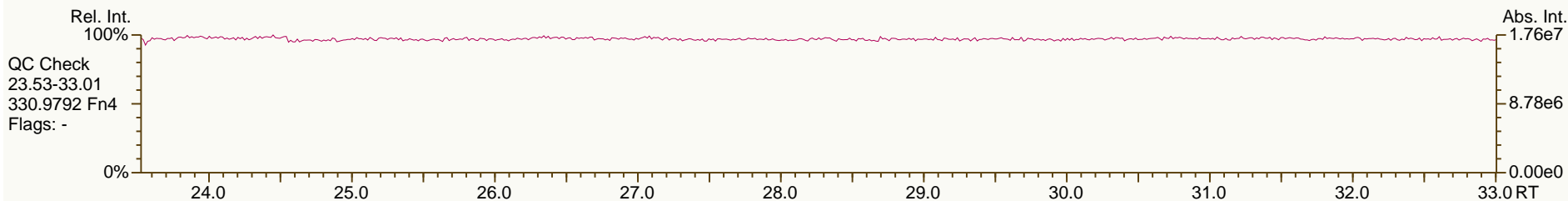
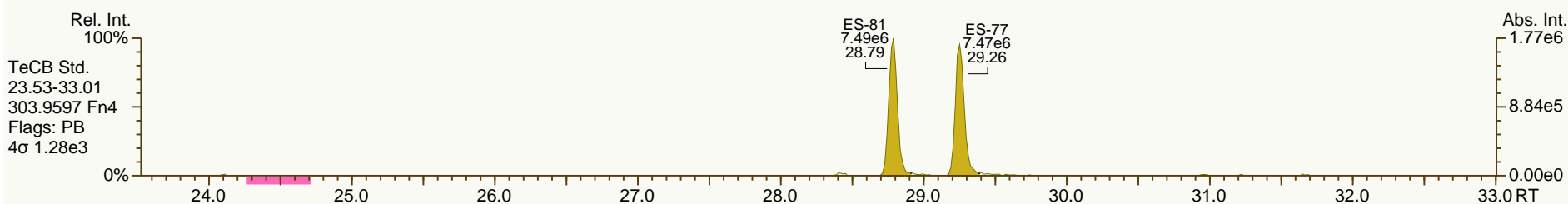
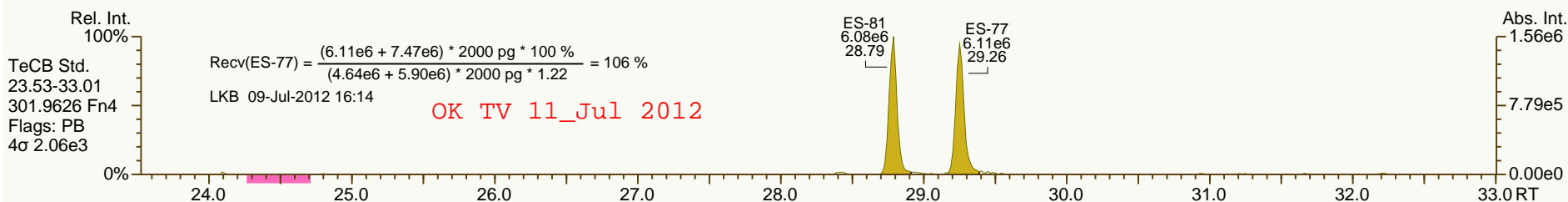
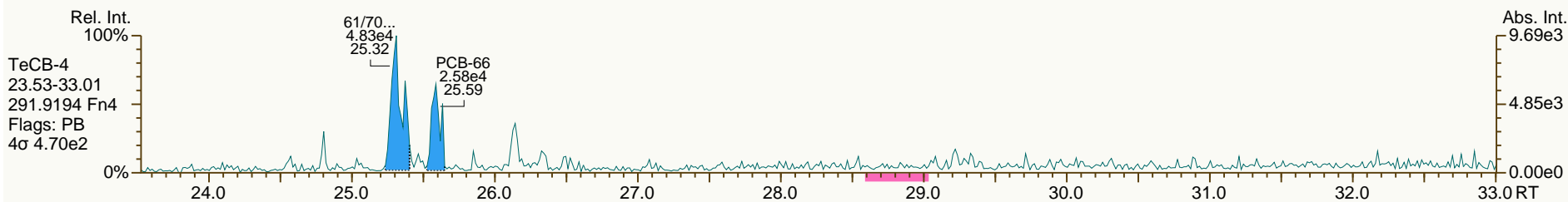
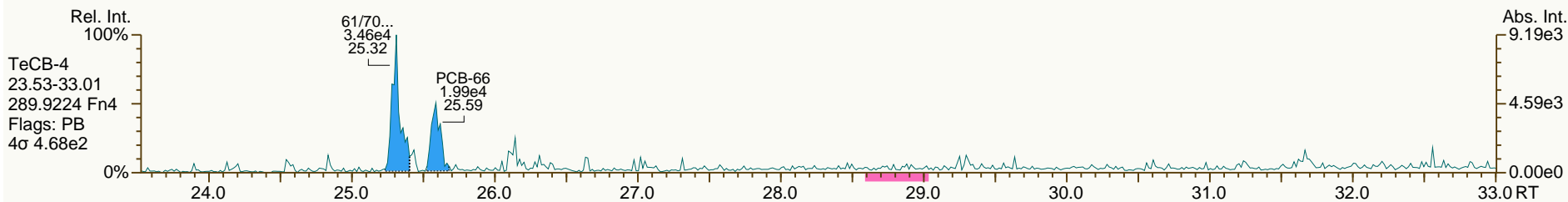
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AP Lab ID: MB1_9893_PCB_SDS-RJ
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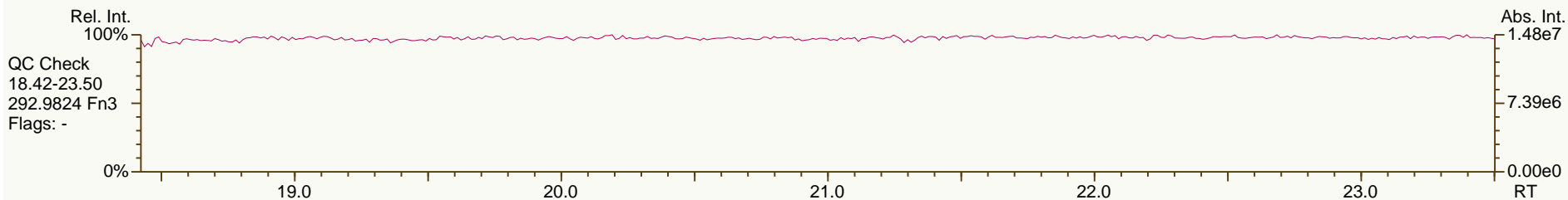
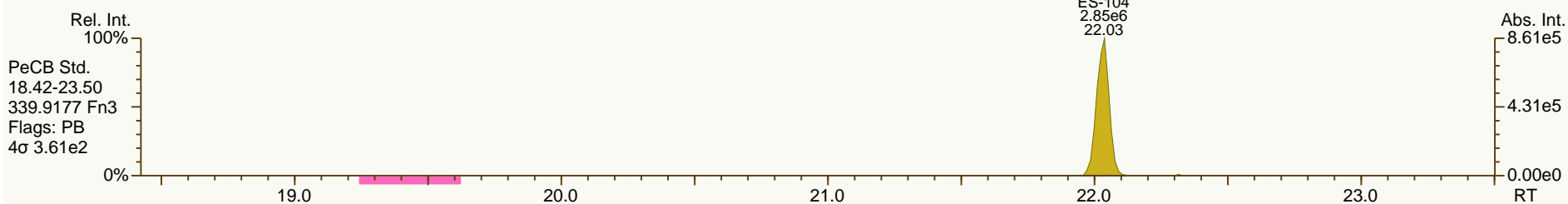
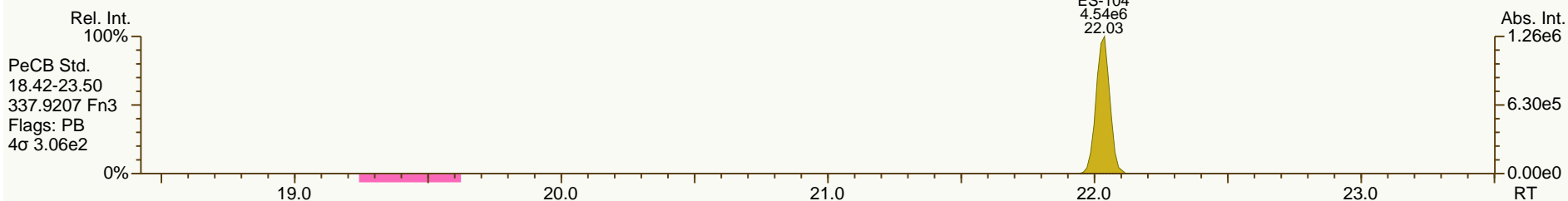
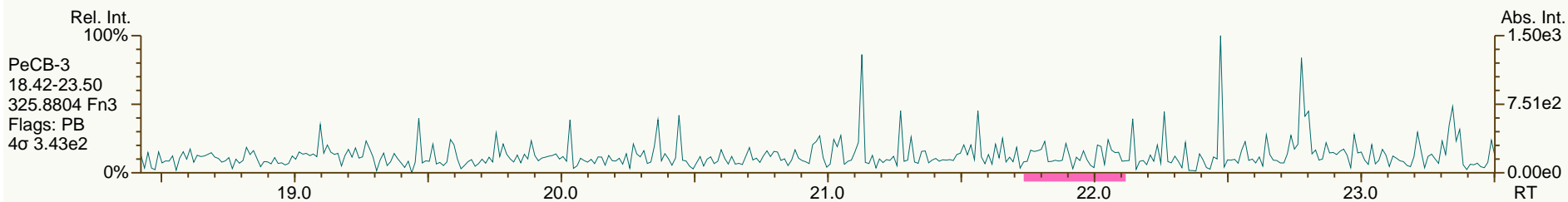
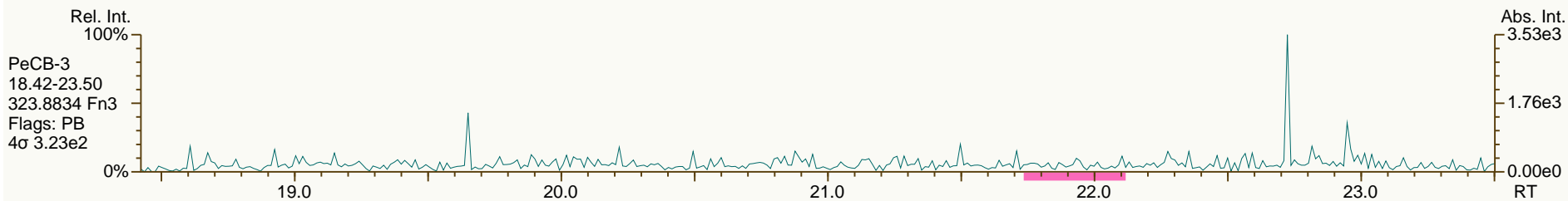
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AP Lab ID: MB1_9893_PCB_SDS-RJ
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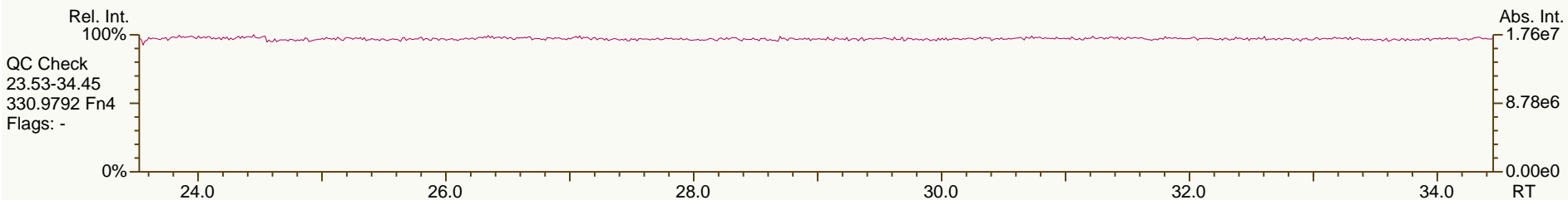
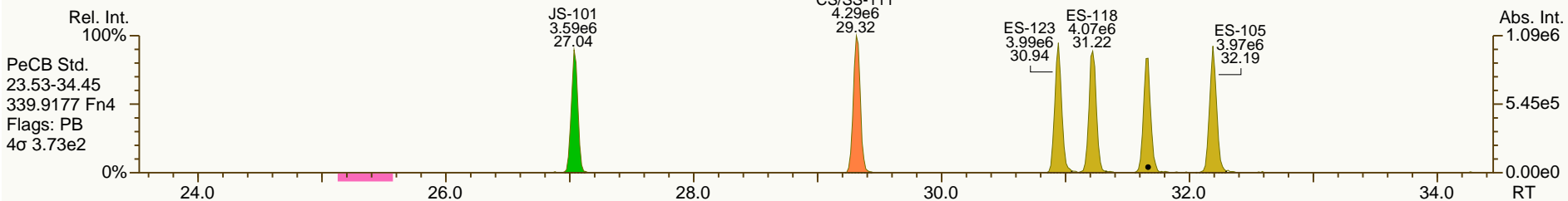
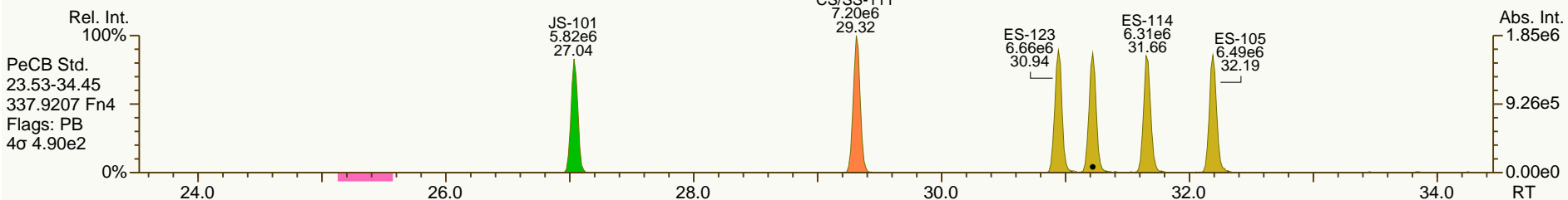
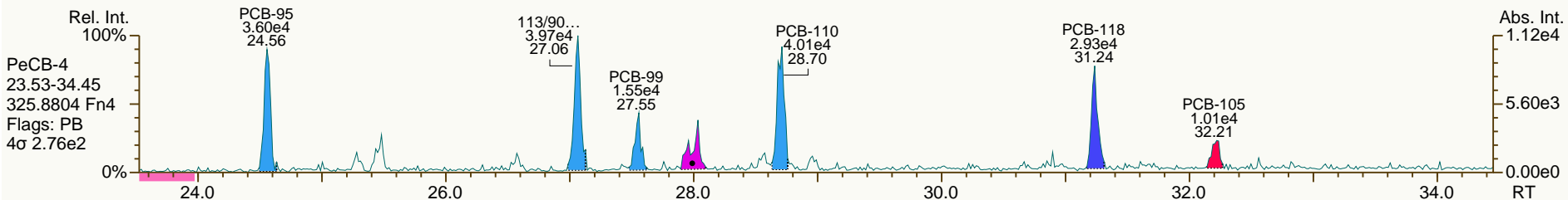
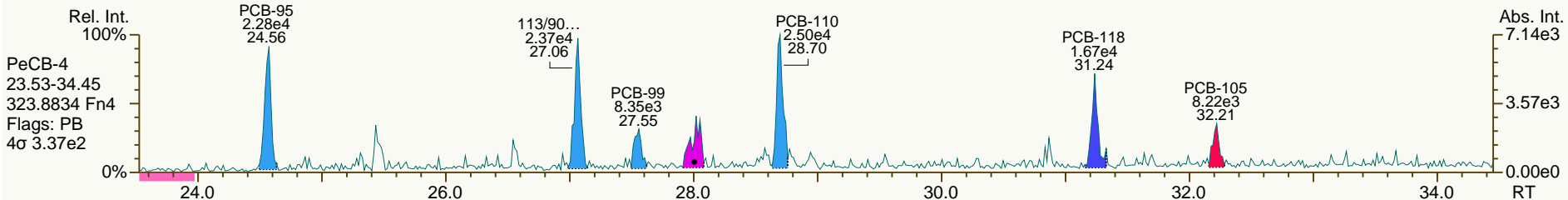
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AP Lab ID: MB1_9893_PCB_SDS-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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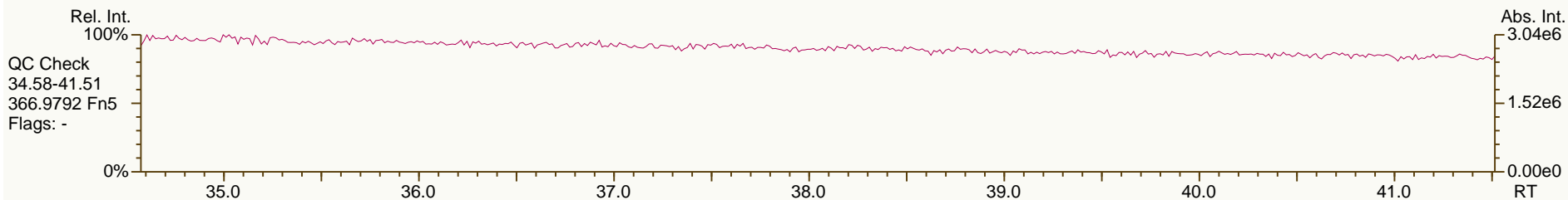
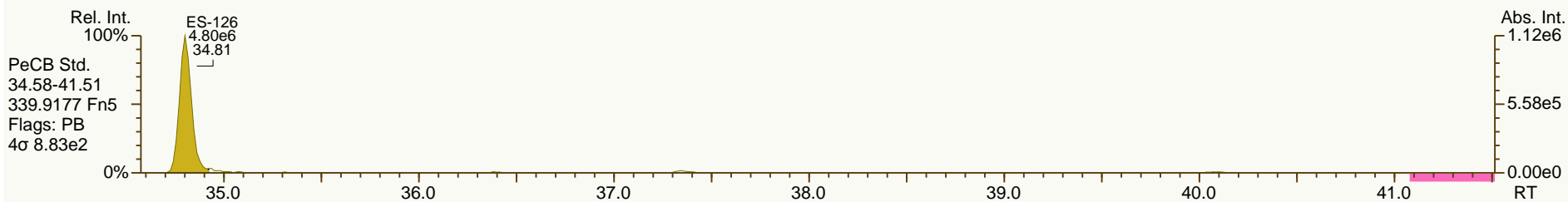
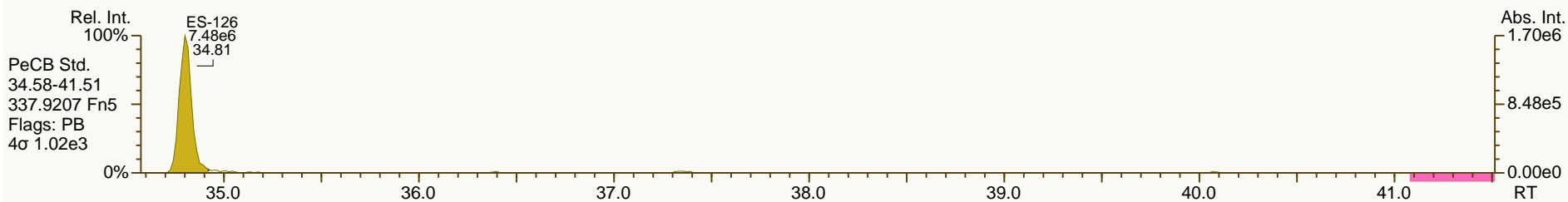
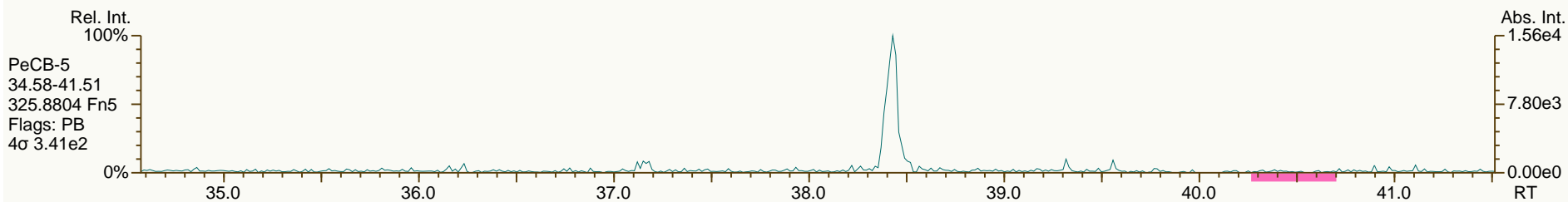
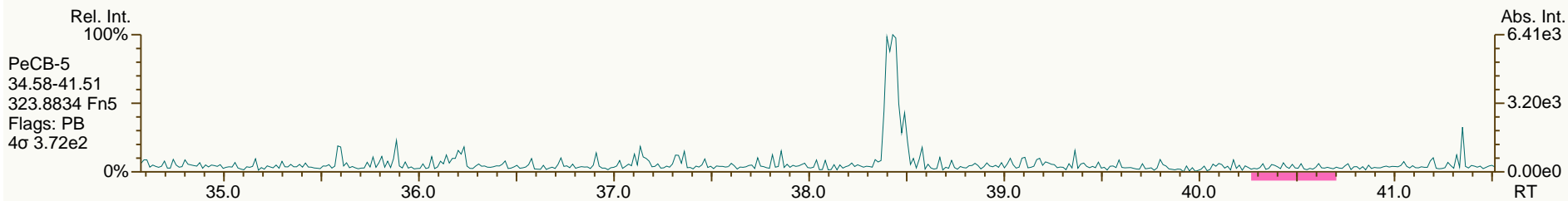
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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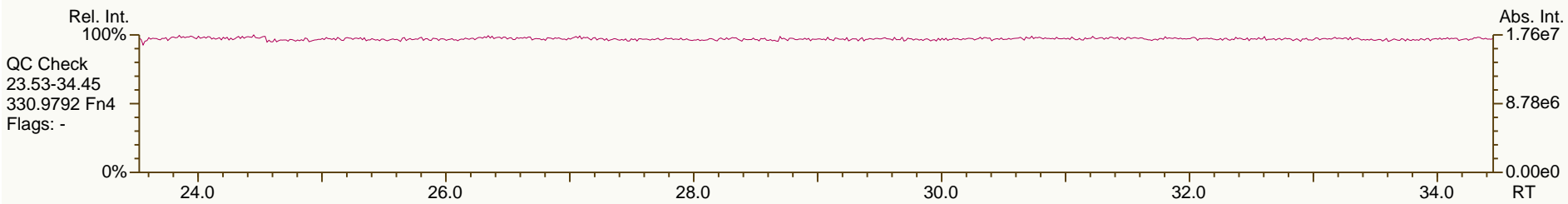
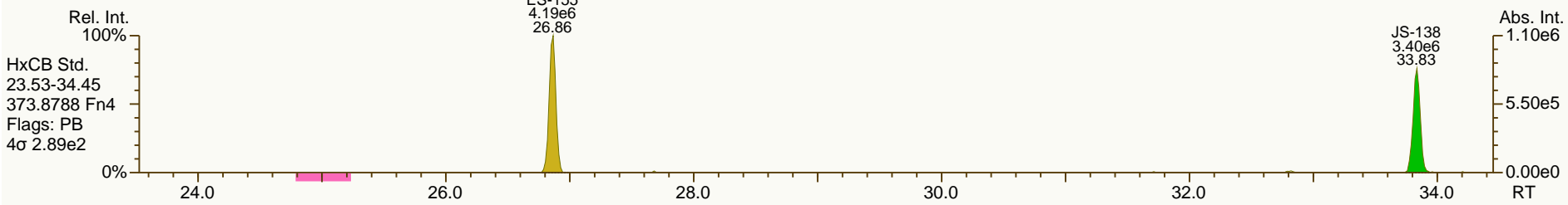
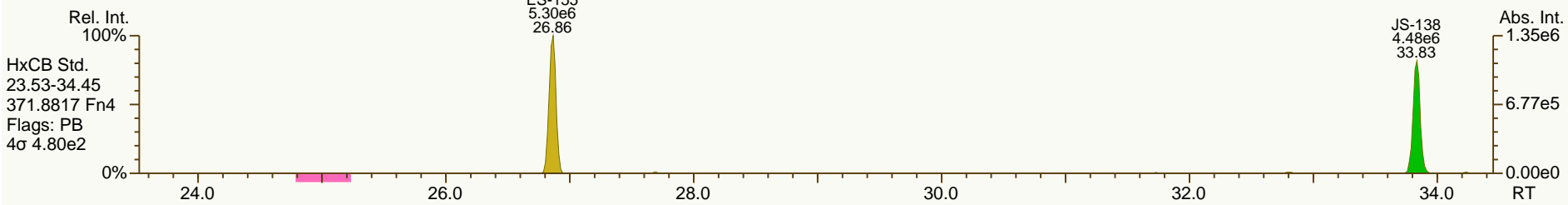
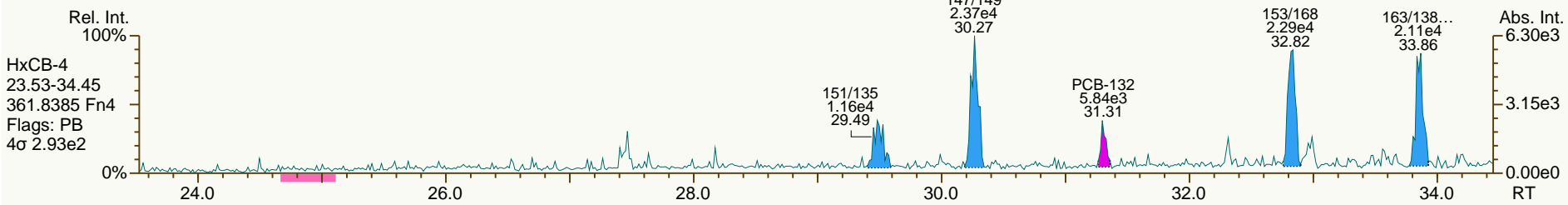
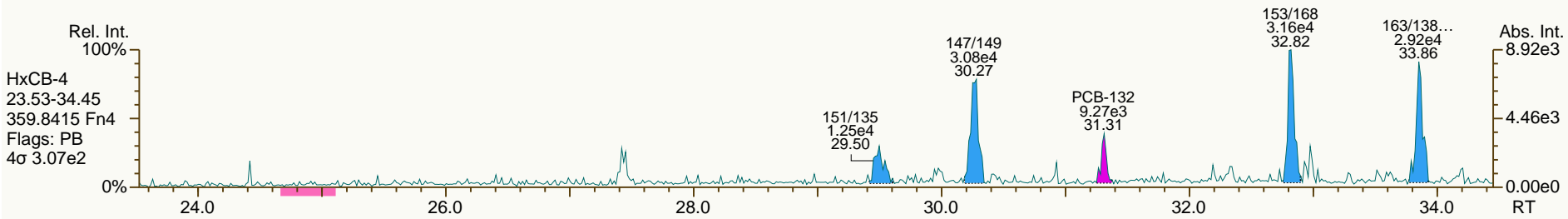
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AP Lab ID: MB1_9893_PCB_SDS-RJ
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Sample ID: MB #73532
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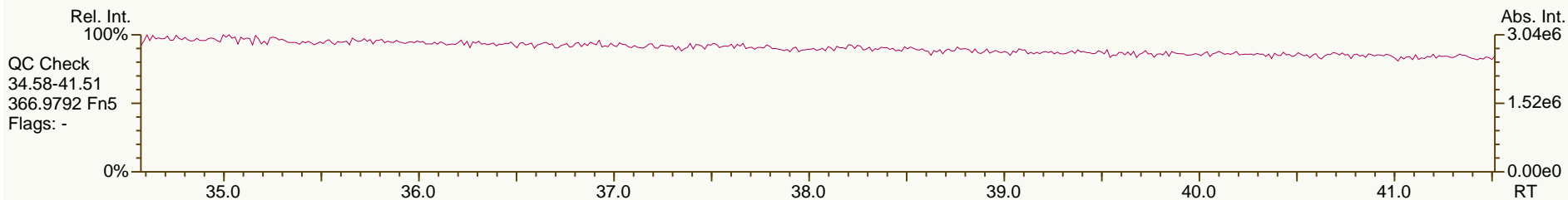
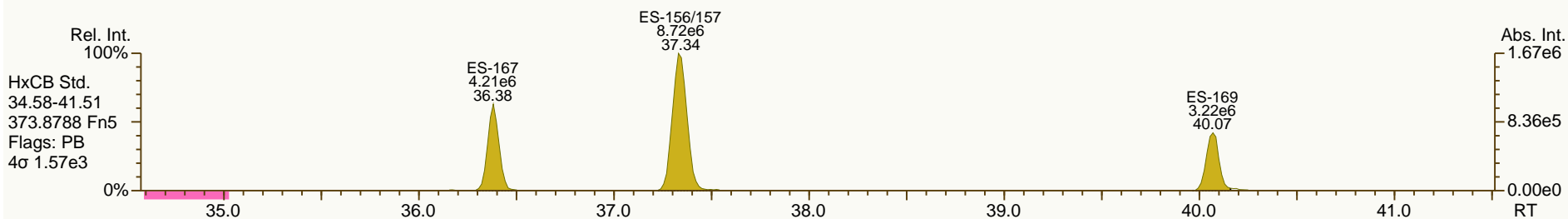
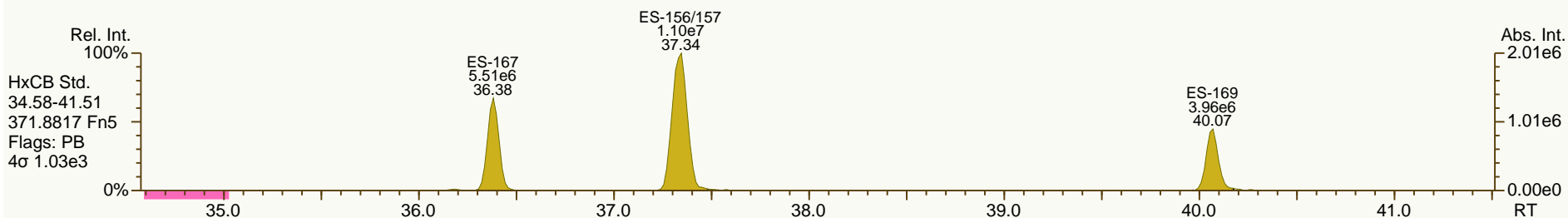
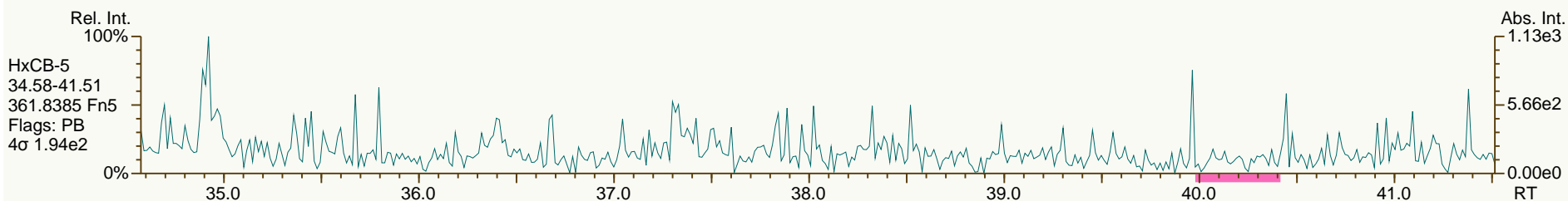
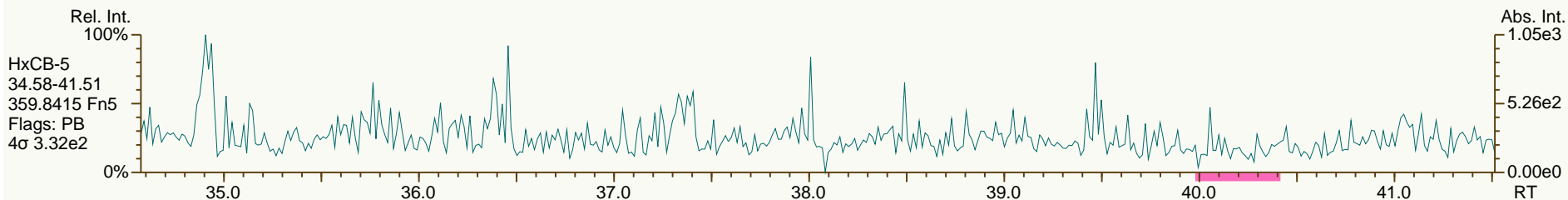
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AP Lab ID: MB1_9893_PCB_SDS-RJ
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Sample ID: MB #73532
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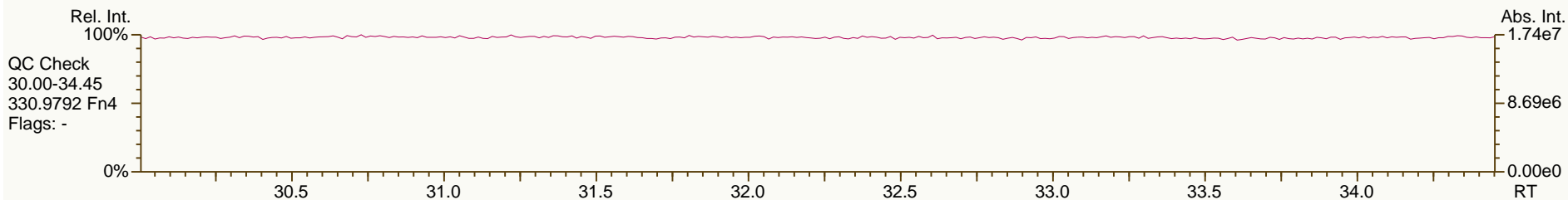
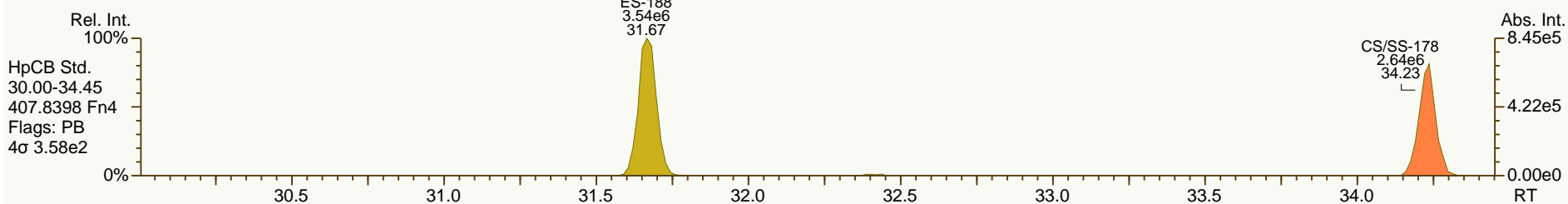
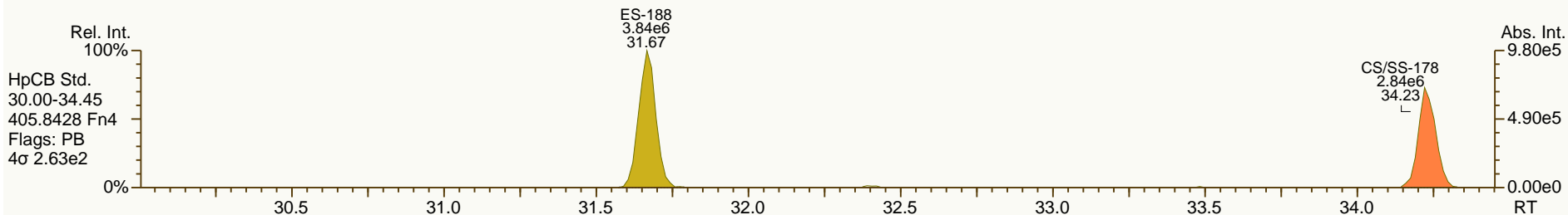
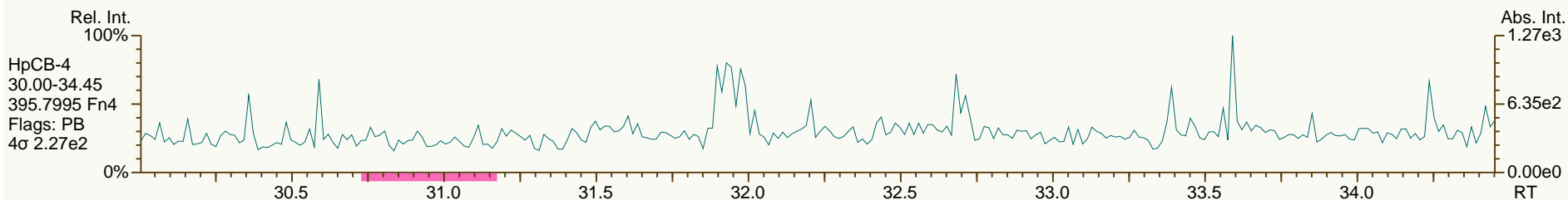
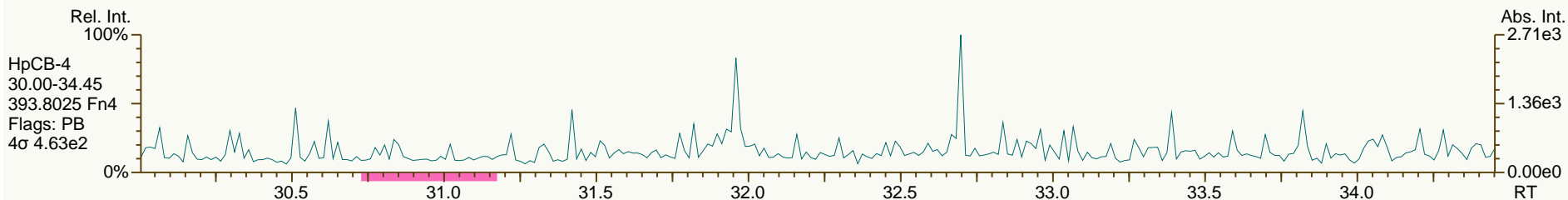
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
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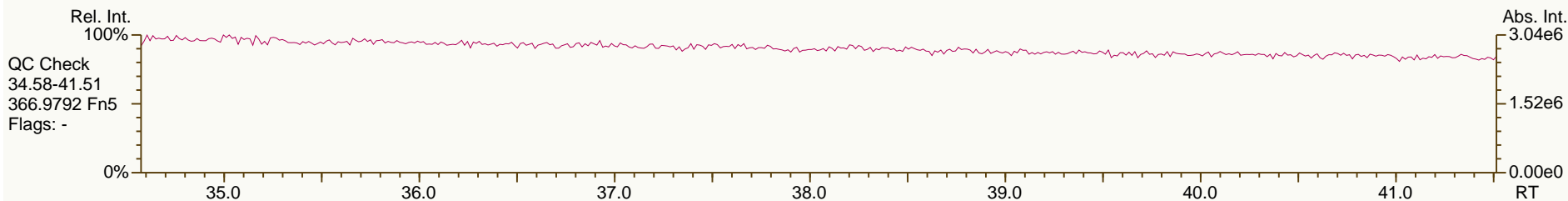
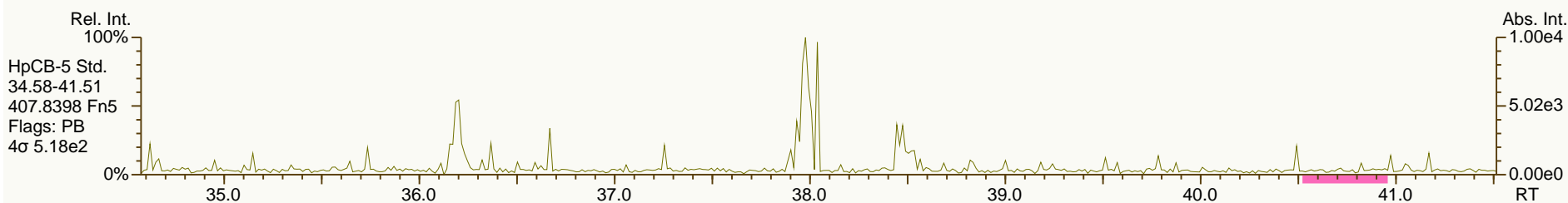
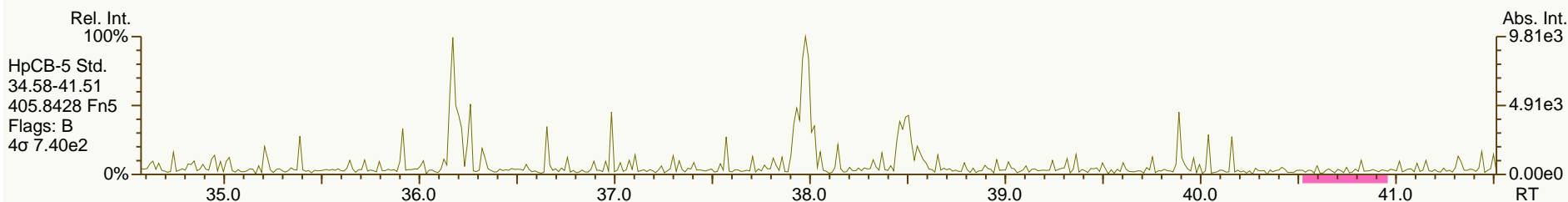
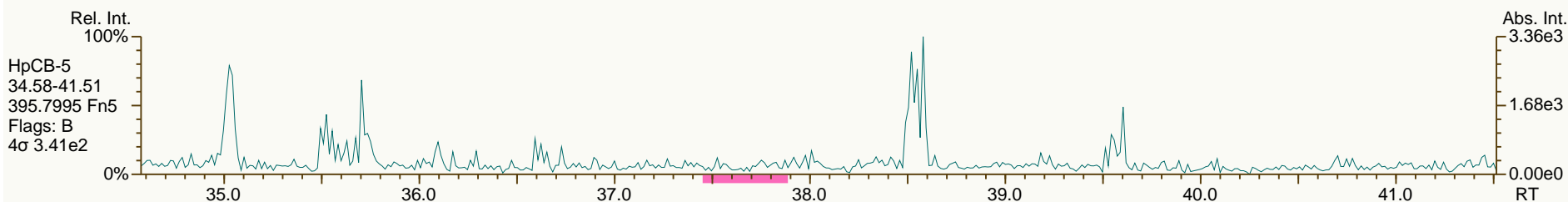
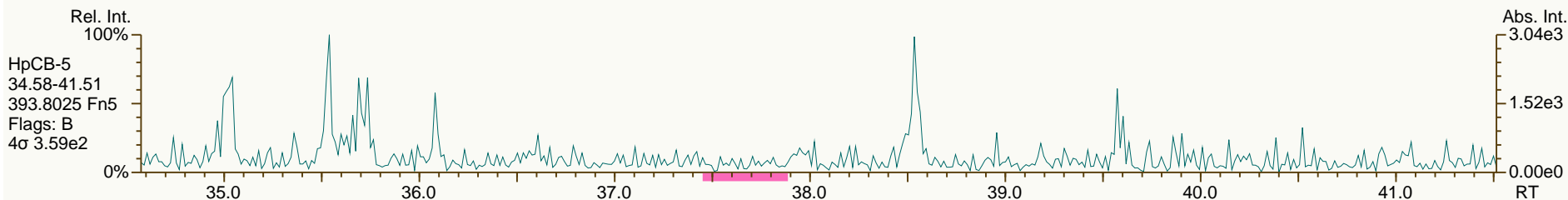
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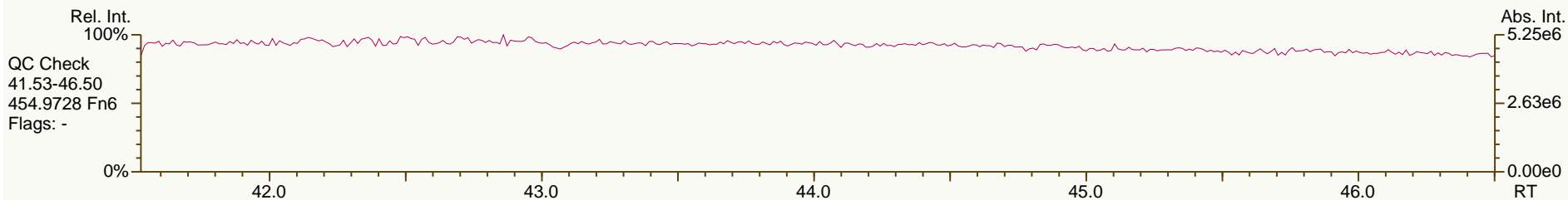
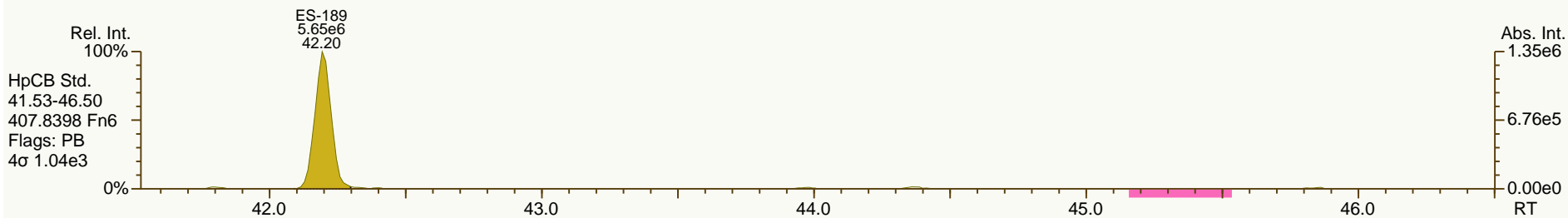
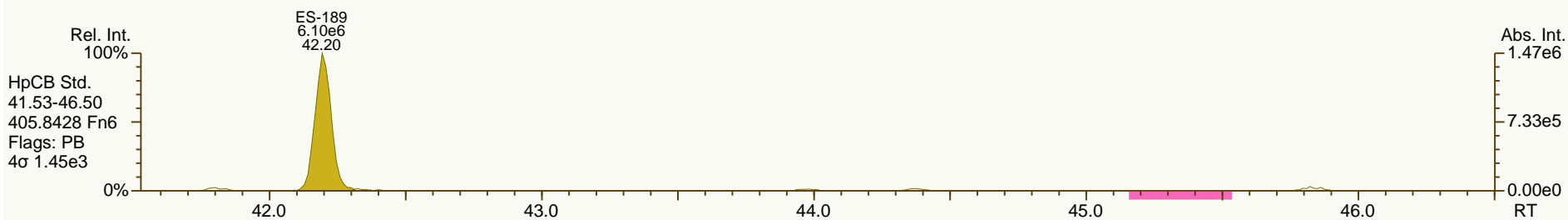
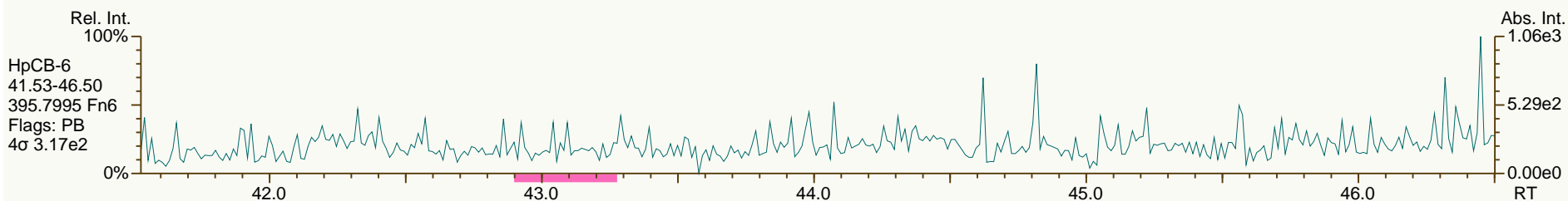
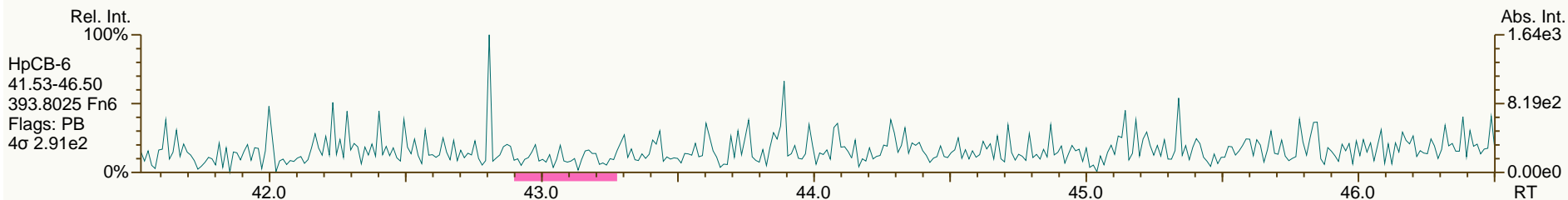
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Sample ID: MB #73532
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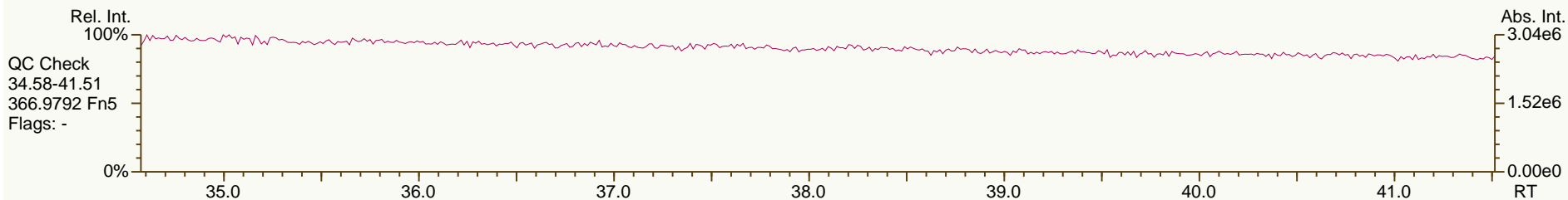
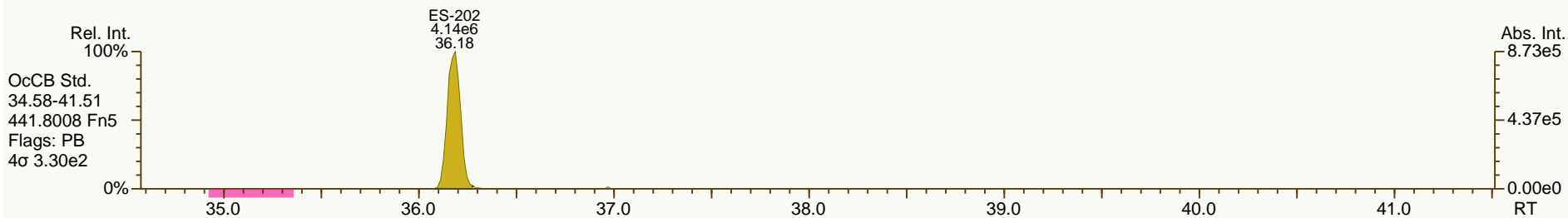
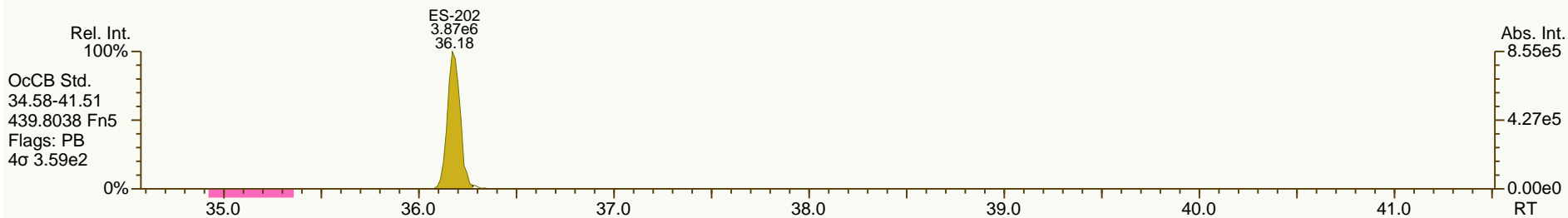
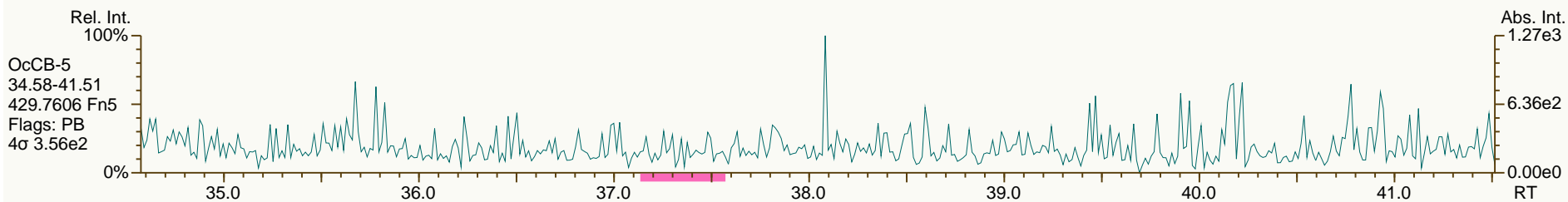
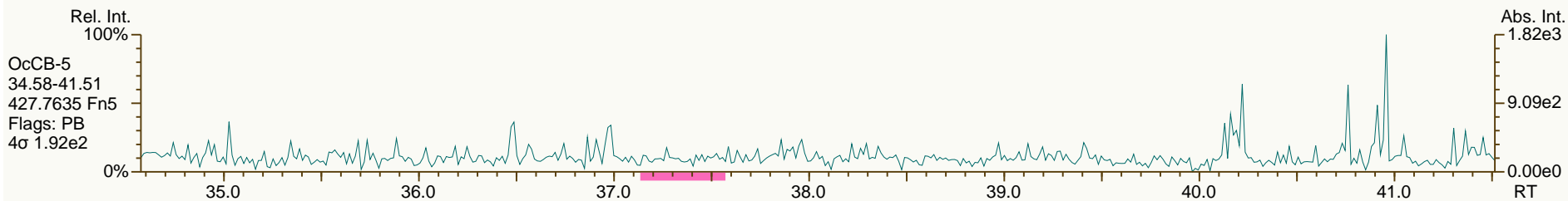
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Sample ID: MB #73532
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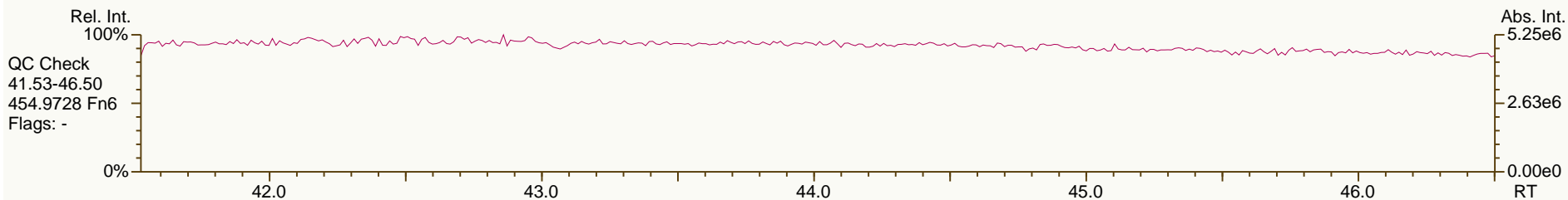
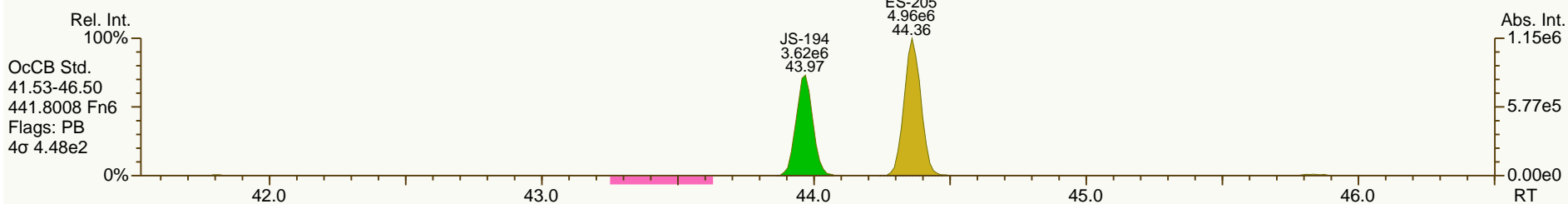
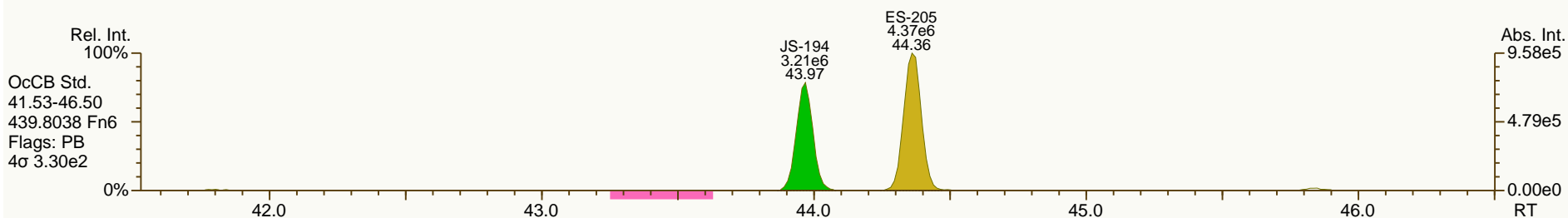
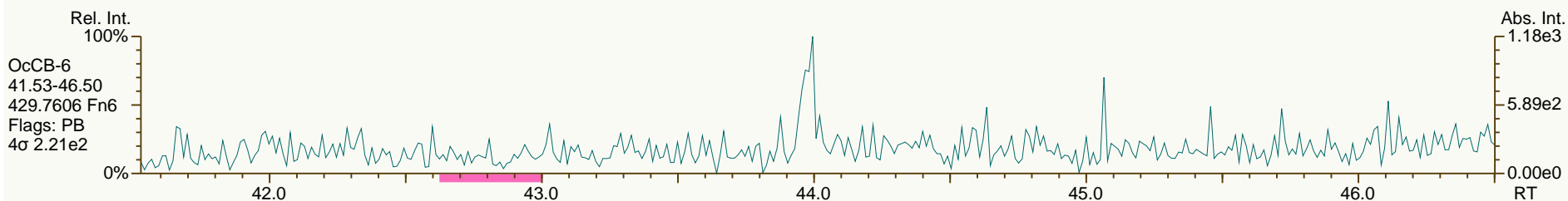
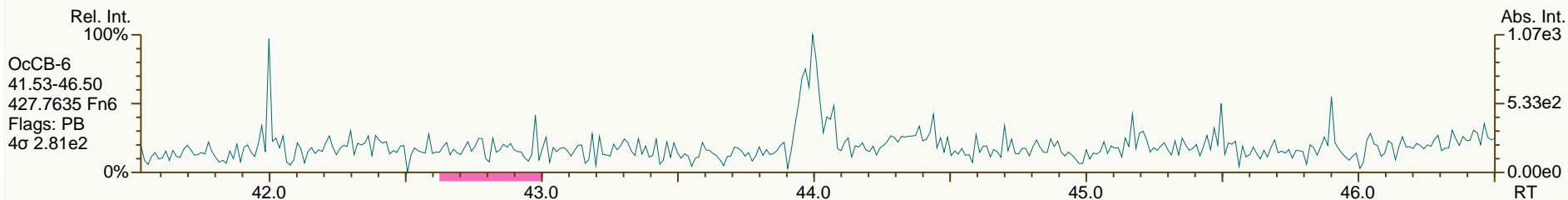
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

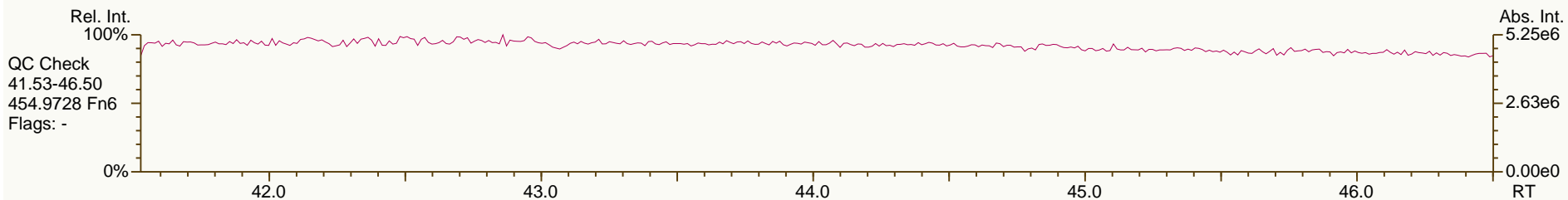
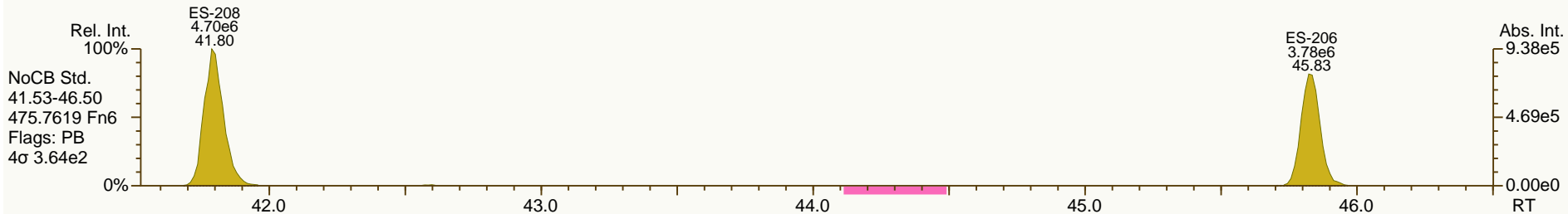
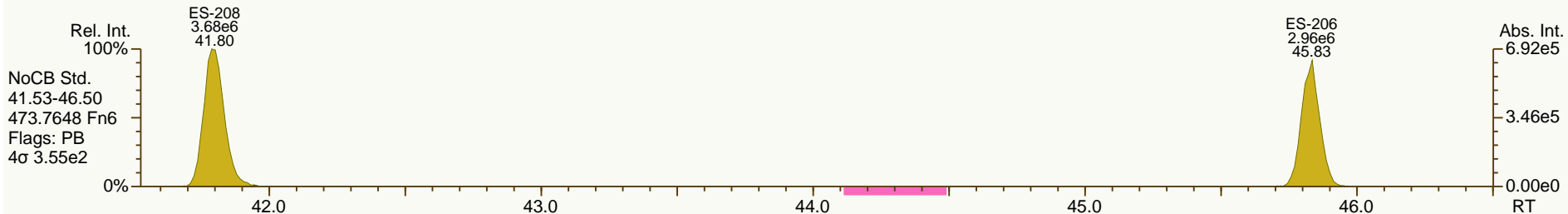
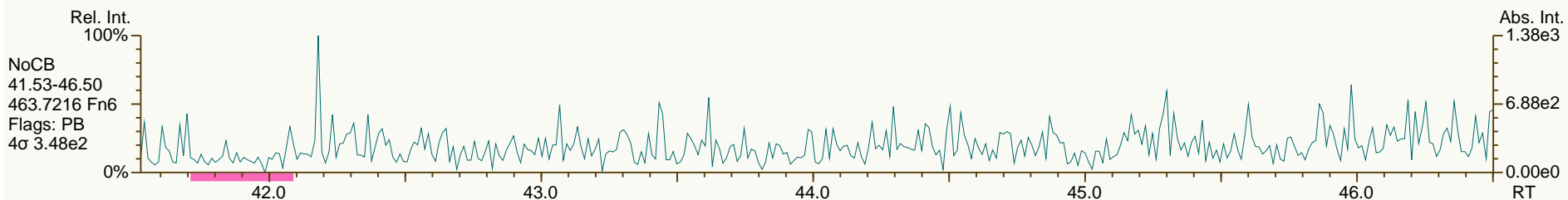
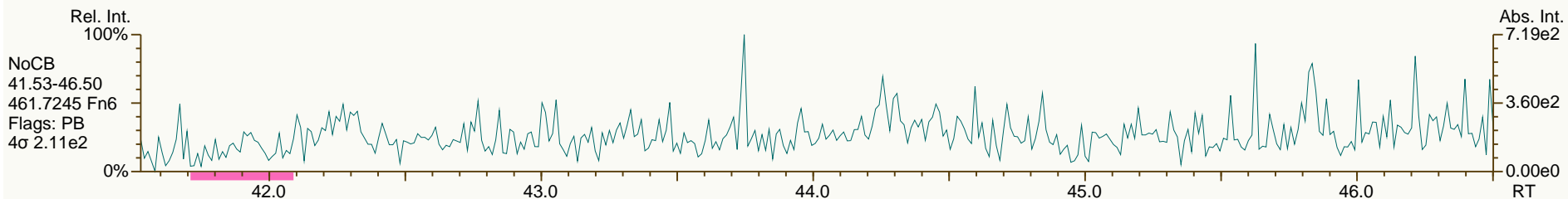
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AP Lab ID: MB1_9893_PCB_SDS-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

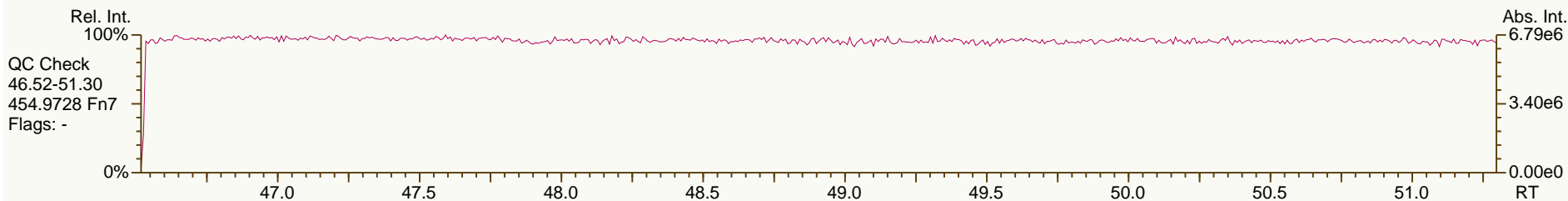
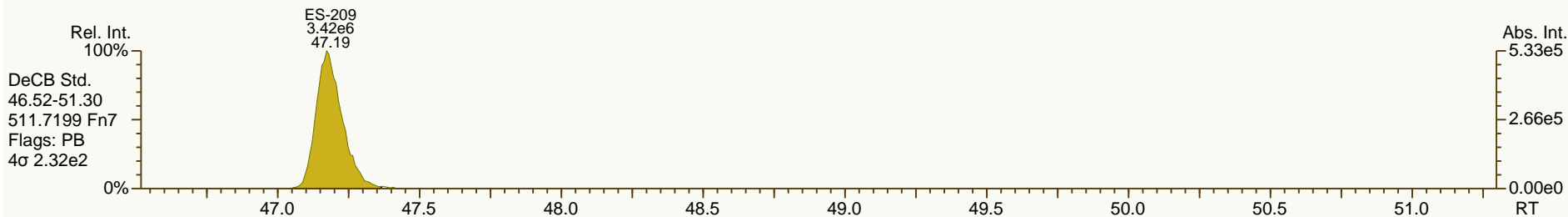
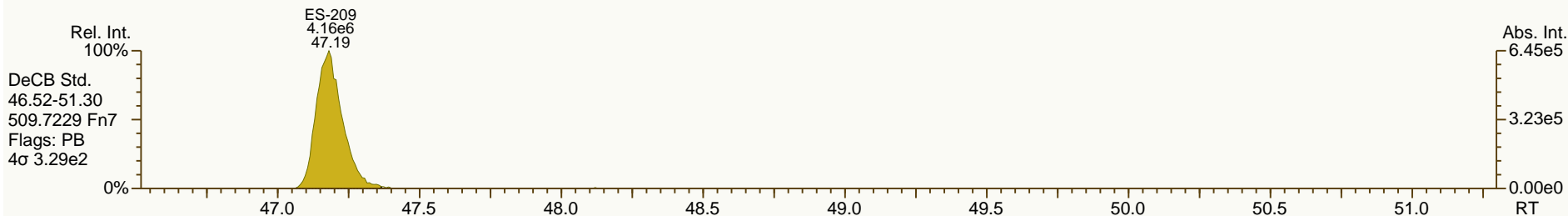
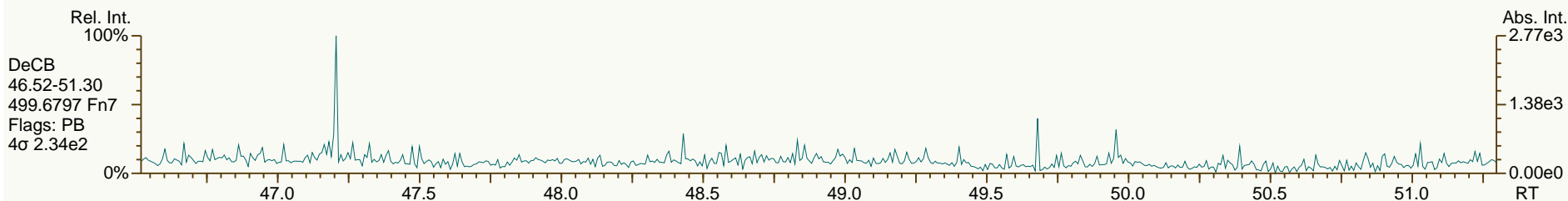
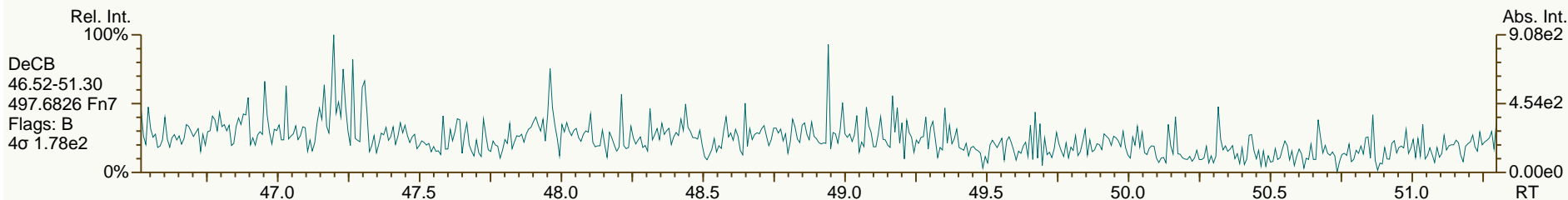
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AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

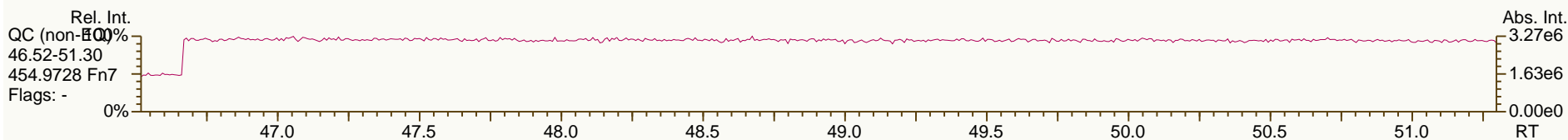
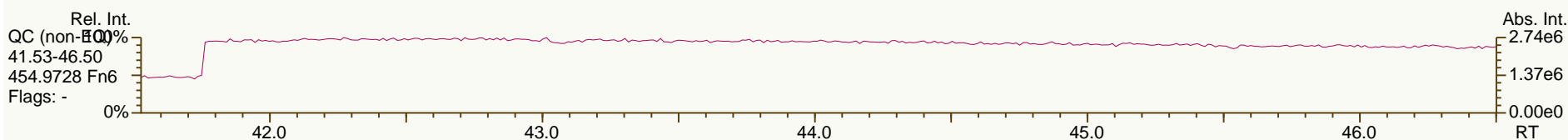
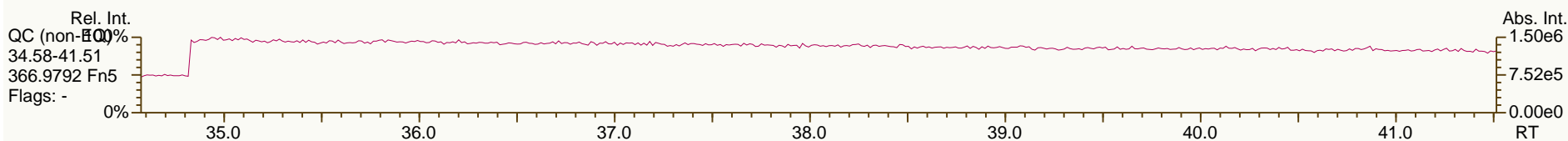
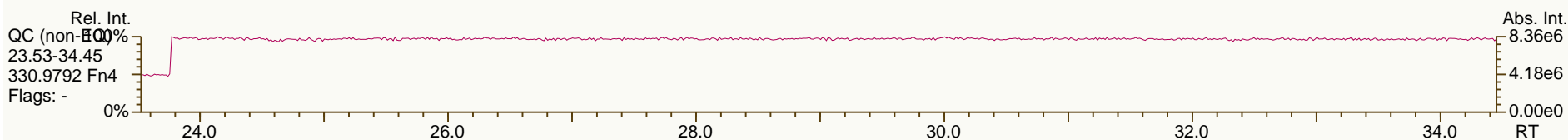
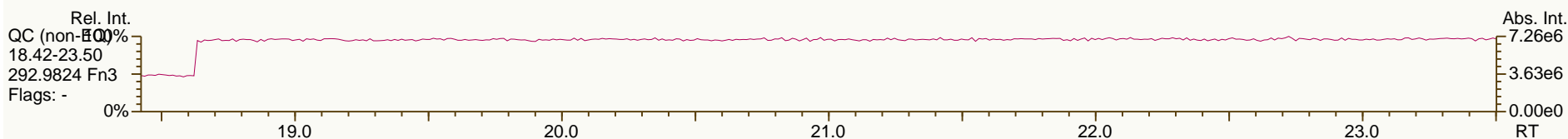
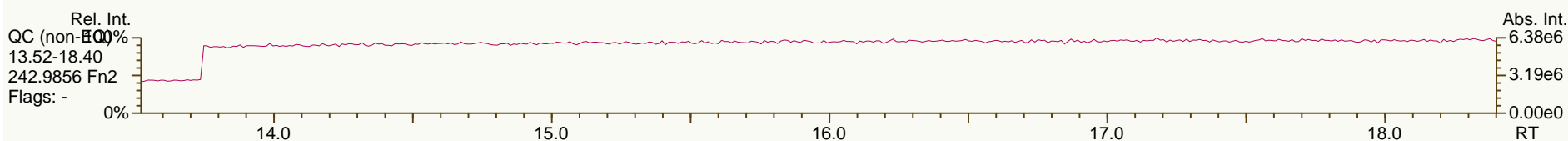
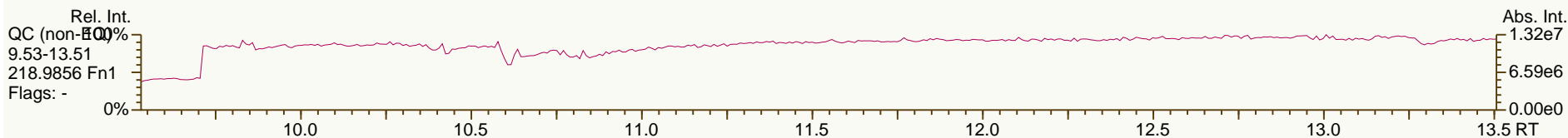
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User: LKB Datafile: 120705S04



AP Lab ID: MB1_9893_PCB_SDS-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: MB #73532
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 30

Acq: 05-Jul-2012 14:38:04
User: LKB Datafile: 120705S04



Lab ID: A4371_9893_PCB_001-RJ

ACQ: 05-Jul-2012 15:31:06 LKB Wt/Vol: 7.19 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SA

Client ID: JW-EA58-COMP-120507

UTP: 09-Jul-2012 14:47 LKB

J-level: 1.39 pg/g Split: 1

Checkcode: 700-644-XVC

Datafile: 120705S05

RPT: 09-Jul-2012 15:32 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	2.59E+06	0.78	1.22	28.2	3.94E+03	0.456
PCB-81 344'5'-TeCB	28.82	J	1.0006	1.0008	+0.3	8.63E+04	0.78	1.24	0.902	3.94E+03	0.416
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	1.62E+07	0.62	1.03	373	1.21E+03	0.275
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0007	0	8.21E+05	0.64	1.10	17.6	1.21E+03	0.268
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	4.09E+07	0.62	1.03	874	1.21E+03	0.257
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0007	0	5.94E+05	0.61	0.93	13.8	1.21E+03	0.275
PCB-126 33'44'5'-PeCB	34.84		1.0005	1.0004	-0.2	1.35E+05	0.58	1.11	1.94	2.51E+03	0.392
PCB-156/157 ...-HxCB	37.38	C	1.0005	1.0002	-0.7	6.15E+06	1.28	1.05	149	2.93E+03	0.981
PCB-167 23'44'55'-HxCB	36.43		1.0006	1.0006	0	1.77E+06	1.29	1.08	40.5	2.93E+03	0.717
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	2.93E+03	1.02
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0005	0	3.77E+05	1.10	1.11	6.13	1.82E+03	0.308
PCB-209 DeCB	47.25		1.0004	1.0004	0	7.13E+05	1.19	1.05	26	4.90E+02	0.279
ES PCB-1	9.84		0.7181	0.7177	-0.2	1.43E+07	3.38	1.01	49.7 %	4%	100%
ES PCB-3	11.76		0.8583	0.8580	-0.2	1.69E+07	3.32	1.05	56.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	8.22E+06	1.61	0.70	41.5 %	14%	107%
ES PCB-15	17.08		1.2453	1.2460	+0.7	2.64E+07	1.64	1.17	79.5 %	19%	107%
ES PCB-19	14.67		1.0698	1.0699	+0.1	9.08E+06	1.08	0.57	56.4 %	1%	108%
ES PCB-37	23.08		1.0865	1.0873	+1.1	1.93E+07	1.11	1.41	122 %	25%	123%
ES PCB-54	17.31		0.8157	0.8155	-0.2	1.20E+07	0.77	1.32	80.6 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3787	+1.8	2.09E+07	0.83	1.22	152 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3566	+1.6	2.14E+07	0.80	1.15	165 %	14%	127%
ES PCB-104	22.03		0.8147	0.8143	-0.5	9.41E+06	1.60	1.69	54.8 %	36%	115%
ES PCB-105	32.21		1.1906	1.1907	+0.2	1.18E+07	1.63	1.21	95.8 %	50%	111%
ES PCB-114	31.68		1.1709	1.1710	+0.2	1.18E+07	1.67	1.23	94 %	41%	121%
ES PCB-118	31.24		1.1547	1.1548	+0.2	1.26E+07	1.64	1.25	99.3 %	49%	111%
ES PCB-123	30.96		1.1444	1.1445	+0.2	1.30E+07	1.65	1.33	95.9 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2876	+1.0	1.74E+07	1.64	1.36	126 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7937	-0.3	1.14E+07	1.35	1.40	106 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1037	+0.4	2.20E+07	1.29	1.13	127 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0755	+0.4	1.12E+07	1.29	1.13	130 %	45%	118%
ES PCB-169	40.11		1.1842	1.1846	+1.0	8.44E+06	1.30	1.14	96.4 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7199	-1.0	8.16E+06	1.08	1.34	79.5 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	1.54E+07	1.05	1.77	126 %	47%	116%
ES PCB-202	36.21		0.8230	0.8226	-0.9	8.14E+06	0.89	1.27	83.6 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	9.38E+06	0.91	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.88		1.0424	1.0425	+0.3	6.52E+06	0.79	1.07	88.4 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	8.05E+06	0.78	1.34	87.1 %	31%	126%
ES PCB-209	47.23		1.0732	1.0732	0	7.29E+06	1.24	1.18	89.1 %	43%	115%
CS/SS PCB-28	19.67		0.9269	0.9267	-0.2	2.10E+07	1.12	0.98	111 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0843	0	1.34E+07	1.62	0.90	115 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	5.60E+06	1.07	0.65	106 %	57%	125%
CS PCB-28	19.67	V	0.9269	0.9267	-0.2	2.10E+07	1.12	1.39	135 %	14%	131%
CS PCB-111	29.33		1.0843	1.0843	0	1.34E+07	1.62	1.19	110 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	5.60E+06	1.07	0.87	84.2 %	57%	125%
JS PCB-9	13.71					2.84E+07	1.66				
JS PCB-52	21.23					1.12E+07	0.79				
JS PCB-101	27.05					1.02E+07	1.62				
JS PCB-138	33.86					7.66E+06	1.31				
JS PCB-194	44.01					6.90E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	58.8	58.8	0.229		
						Di-CBs	229	229	1.53		
						Tri-CBs	700	701	0.521		
						Tetra-CBs	1,720	1,720	0.259		
						Penta-CBs	5,060	5,060	0.273		
						Hexa-CBs	4,060	4,060	0.71		
						Hepta-CBs	859	871	0.278		
						Octa-CBs	254	255	0.223		
						Nona-CBs	63.4	63.4	0.43		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	1.23E+06	3.32	1.20	20	2.69E+03	0.216
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	1.07E+06	3.26	1.25	14.1	2.69E+03	0.219
PCB-3 4-MoCB	11.77		1.0010	1.0010	0	1.69E+06	3.30	1.13	24.7	2.69E+03	0.242
PCB-4 22'-DiCB	11.98		1.0012	1.0012	0	3.07E+05	1.79	0.94	11	8.75E+03	1.95
PCB-10 26-DiCB	12.14	J	1.0142	1.0142	0	2.83E+04	SI	1.65	0.579	2.98E+03	0.379
PCB-9 25-DiCB	13.72		1.0011	1.0010	-0.1	1.96E+05	SI	0.92	2.24	4.63E+03	0.443
PCB-7 24-DiCB	13.87		1.0116	1.0117	+0.1	1.92E+05	SI	1.04	1.94	4.63E+03	0.393
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	7.65E+05	1.52	1.01	8	1.26E+04	1.1
PCB-5 23-DiCB	14.33	J	1.0451	1.0452	+0.1	8.39E+04	SI	0.99	0.895	4.63E+03	0.414
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	3.96E+06	1.53	1.03	40.4	1.26E+04	1.08
PCB-14 35-DiCB	15.86	J	0.9287	0.9286	-0.1	4.07E+04	SI	1.15	0.373	4.63E+03	0.356
PCB-11 33'-DiCB	16.57		0.9701	0.9699	-0.2	9.84E+06	1.51	0.95	108	1.26E+04	1.16
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9848	-0.7	7.90E+05	1.47	0.98	8.51	1.26E+04	1.14
PCB-15 44'-DiCB	17.10		1.0008	1.0009	+0.1	4.45E+06	1.49	1.01	46.6	1.26E+04	1.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.68		1.0011	1.0010	-0.1	1.28E+05	0.98	1.01	3.89	2.57E+03	0.572
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1115	+0.5	2.62E+06	1.04	1.24	64.6	2.57E+03	0.465
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	1.11E+06	1.03	1.05	32.4	2.57E+03	0.552
PCB-27 23'6-TrCB	16.84		1.1479	1.1481	+0.2	2.45E+05	1.01	1.39	5.39	2.57E+03	0.415
PCB-24 236-TrCB	16.95	J	1.1558	1.1557	-0.1	3.40E+04	0.98	1.33	0.784	2.57E+03	0.435
PCB-16 22'3-TrCB	17.04		1.1612	1.1617	+0.5	7.92E+05	1.11	0.83	29.1	2.57E+03	0.694
PCB-32 24'6-TrCB	17.49		1.1923	1.1926	+0.3	1.15E+06	1.03	1.50	23.5	2.57E+03	0.386
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	4.13E+03	0.414
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.13E+03	0.396
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8220	-1.8	2.06E+06	1.10	1.42	21	4.13E+03	0.398
PCB-25 23'4-TrCB	19.17		0.8315	0.8307	-0.9	1.07E+06	1.12	1.42	10.9	4.13E+03	0.396
PCB-31 24'5-TrCB	19.44		0.8430	0.8422	-0.9	1.34E+07	1.07	1.48	131	4.13E+03	0.382
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8531	-1.3	1.71E+07	1.08	1.41	174	4.13E+03	0.399
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8616	+0.5	6.81E+06	1.06	1.43	68.5	4.13E+03	0.393
PCB-22 234'-TrCB	20.22		0.8766	0.8759	-0.8	4.78E+06	1.06	1.34	51.5	4.13E+03	0.422
PCB-36 33'5-TrCB	21.56	J EMPC	0.9351	0.9343	-1.0	1.28E+05	1.22	1.39	1.33	4.13E+03	0.407
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	4.13E+03	0.393
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.13E+03	0.441
PCB-35 33'4-TrCB	22.75		0.9860	0.9857	-0.4	5.47E+05	1.15	1.28	6.18	4.13E+03	0.442
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	6.41E+06	1.11	1.20	77.1	4.13E+03	0.471
PCB-54 22'66'-TeCB	17.33	J	1.0010	1.0011	+0.1	1.09E+04	0.82	0.93	0.272	5.48E+02	0.107
PCB-50/53 22'46/22'56'-TeCB	19.18	C	0.9051	0.9038	-1.5	6.27E+05	0.73	0.80	10.2	9.18E+02	0.151
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	4.87E+05	0.79	0.68	9.29	9.18E+02	0.177
PCB-51 22'46'-TeCB	19.82		0.9340	0.9340	0	1.88E+05	0.77	0.81	3.03	9.18E+02	0.149
PCB-46 22'36'-TeCB	20.01		0.9429	0.9427	-0.2	2.07E+05	0.78	0.66	4.09	9.18E+02	0.183
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	1.45E+07	0.79	0.73	257	9.18E+02	0.164
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0064	-0.6	2.72E+04	0.82	0.97	0.366	9.18E+02	0.125
PCB-43 22'35-TeCB	21.45		1.0106	1.0105	-0.1	1.75E+05	0.81	0.67	3.4	9.18E+02	0.18
PCB-69/49 23'46/22'45'-TeCB	21.66	C	1.0198	1.0207	+1.2	5.73E+06	0.80	0.90	82.7	9.18E+02	0.134
PCB-48 22'45-TeCB	21.91		1.0319	1.0320	+0.1	1.07E+06	0.79	0.74	18.8	9.18E+02	0.163
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0406	-1.3	8.85E+06	0.78	0.80	143	9.18E+02	0.15
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0542	+0.1	6.53E+05	0.83	1.01	8.42	9.18E+02	0.12
PCB-42 22'34'-TeCB	22.53		1.0612	1.0615	+0.4	1.59E+06	0.76	0.71	29.2	9.18E+02	0.171
PCB-41 22'34-TeCB	22.85		1.0759	1.0764	+0.7	4.03E+05	0.75	0.62	8.49	9.18E+02	0.195
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0814	+1.1	3.18E+06	0.77	0.77	53.9	9.18E+02	0.157
PCB-64 234'6-TeCB	23.15		1.0899	1.0906	+1.0	4.37E+06	0.79	1.07	53	9.18E+02	0.112
PCB-72 23'55'-TeCB	23.91		0.8295	0.8304	+1.3	2.53E+05	0.82	1.28	2.58	3.94E+03	0.404
PCB-68 23'45'-TeCB	24.17		0.8379	0.8392	+1.9	1.58E+05	0.76	1.33	1.54	3.94E+03	0.388
PCB-57 233'5-TeCB	24.52	J	0.8501	0.8514	+1.9	6.18E+04	0.75	1.20	0.672	3.94E+03	0.432
PCB-58 233'5'-TeCB	24.71	J	0.8568	0.8581	+1.9	7.56E+04	0.68	1.20	0.823	3.94E+03	0.433
PCB-67 23'45-TeCB	24.86		0.8620	0.8634	+2.1	6.30E+05	0.82	1.23	6.69	3.94E+03	0.422
PCB-63 234'5-TeCB	25.08		0.8697	0.8708	+1.7	8.28E+05	0.78	1.32	8.18	3.94E+03	0.392
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8805	+2.0	5.08E+07	0.79	1.23	536	3.94E+03	0.42
PCB-66 23'44'-TeCB	25.61		0.8888	0.8894	+0.9	2.38E+07	0.79	1.16	268	3.94E+03	0.448
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	4.15E+05	0.82	1.17	4.6	3.94E+03	0.44

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9082	+0.3	9.78E+06	0.78	1.15	111	3.94E+03	0.45
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	5.12E+06	0.77	1.21	55.1	3.94E+03	0.428
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	3.94E+03	0.386
PCB-79 33'45'-TeCB	27.97		0.9718	0.9714	-0.7	5.47E+05	0.69	1.26	5.66	3.94E+03	0.411
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	3.94E+03	0.498
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.93E+02	0.172
PCB-96 22'366'-PeCB	22.34		1.0141	1.0141	0	8.71E+04	0.64	0.93	2.76	5.93E+02	0.169
PCB-103 22'45'6'-PeCB	24.06		0.8883	0.8894	+1.6	1.22E+05	0.65	0.86	3.04	1.21E+03	0.295
PCB-94 22'356'-PeCB	24.23	EMPC	0.8946	0.8958	+1.7	5.96E+04	0.51	0.76	1.69	1.21E+03	0.337
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9097	+2.2	1.63E+07	0.62	0.83	423	1.21E+03	0.308
PCB-100/93 22'44'6'/22'356'-PeCB	24.81	C	0.9158	0.9172	+2.1	1.08E+05	0.56	0.83	2.8	1.21E+03	0.307
PCB-102 22'456'-PeCB	24.92		0.9198	0.9211	+1.9	4.82E+05	0.60	0.98	10.6	1.21E+03	0.261
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	1.21E+03	0.355
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	1.21E+03	0.346
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9362	+1.5	2.93E+06	0.62	0.90	69.5	1.21E+03	0.282
PCB-84 22'33'6'-PeCB	25.49		0.9416	0.9424	+1.2	5.45E+06	0.61	0.71	166	1.21E+03	0.361
PCB-89 22'346'-PeCB	25.89		0.9567	0.9571	+0.6	1.61E+05	0.57	0.74	4.68	1.21E+03	0.345
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	1.21E+03	0.239
PCB-92 22'355'-PeCB	26.58		0.9825	0.9825	0	4.59E+06	0.60	0.74	132	1.21E+03	0.342
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	3.07E+07	0.62	0.88	751	1.21E+03	0.291
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0147	-0.5	1.12E+06	0.62	0.64	37.4	1.21E+03	0.396
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.41E+07	0.61	0.78	387	1.21E+03	0.327
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.21E+03	0.246
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0356	+1.5	2.23E+07	0.61	0.90	532	1.21E+03	0.283
PCB-117 234'56'-PeCB	28.51		1.0539	1.0539	0	7.75E+05	0.60	0.71	23.3	1.21E+03	0.357
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	4.93E+06	0.62	1.00	106	1.21E+03	0.255
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	4.21E+07	0.62	0.99	910	1.21E+03	0.256
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0643	-0.2	1.18E+06	0.63	1.00	25.2	1.21E+03	0.254
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	2.74E+06	0.62	0.65	91	1.21E+03	0.394
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	1.21E+03	0.246
PCB-120 23'455'-PeCB	29.74		1.0994	1.0994	0	9.20E+04	0.63	1.04	1.9	1.21E+03	0.245
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9910	+0.2	1.43E+06	0.62	0.96	32.1	1.21E+03	0.266
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	2.61E+06	0.61	0.98	57.4	1.21E+03	0.26
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	1.21E+03	0.272
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0096	+0.2	4.48E+05	0.63	0.97	10.9	1.21E+03	0.305
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	1.21E+03	0.3
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.33E+02	0.122
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.33E+02	0.129
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.33E+02	0.126
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	3.20E+06	1.22	0.92	84.6	5.33E+02	0.139
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.33E+02	0.135
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.33E+02	0.178
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0984	-0.4	5.92E+06	1.24	0.70	206	5.33E+02	0.183
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1067	0	2.66E+05	1.15	0.78	8.28	5.33E+02	0.164
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1158	0	9.36E+05	1.24	0.70	32.6	5.33E+02	0.184

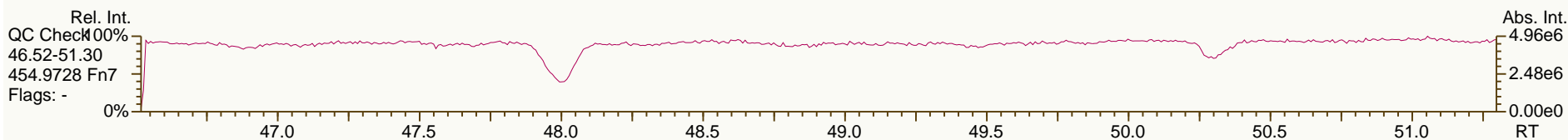
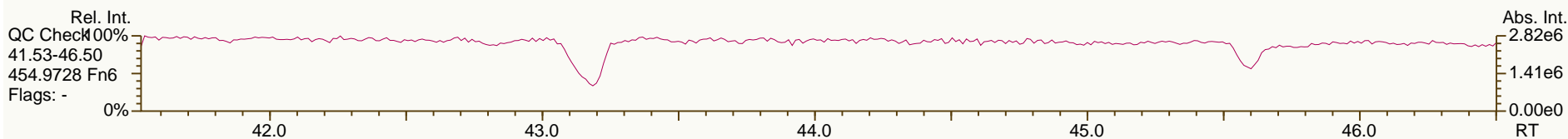
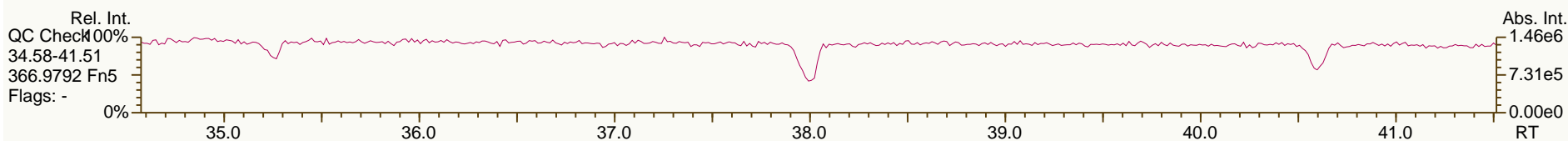
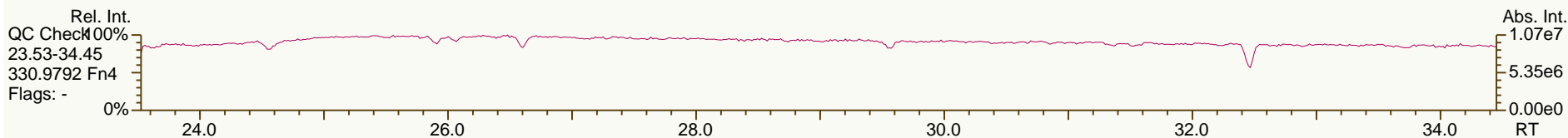
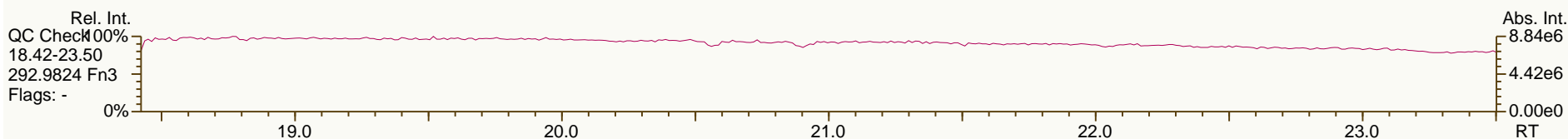
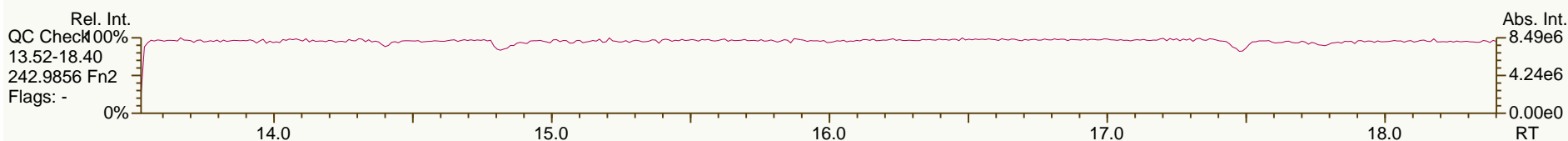
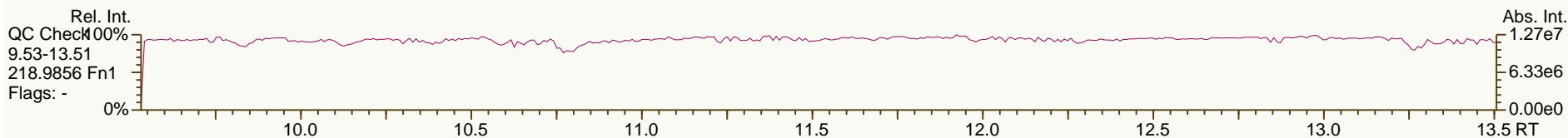
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1268	-0.2	1.74E+07	1.27	0.72	591	5.33E+02	0.179
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1327	+0.2	1.23E+06	1.30	0.59	51.3	5.33E+02	0.219
PCB-143 22'34'56"-HxCB	30.53		1.1356	1.1362	+1.1	5.01E+04	1.23	0.66	1.84	5.33E+02	0.193
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1456	-0.4	5.22E+05	1.21	0.73	17.4	5.33E+02	0.175
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1516	0	3.44E+05	1.30	0.61	13.7	5.33E+02	0.21
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.33E+02	0.208
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1656	+0.2	8.07E+06	1.28	0.64	308	5.33E+02	0.201
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1829	+0.6	3.33E+05	1.23	0.64	12.7	5.33E+02	0.2
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.33E+02	0.163
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	3.74E+06	1.31	0.68	135	5.33E+02	0.19
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.33E+02	0.146
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	2.46E+07	1.25	0.89	675	5.33E+02	0.144
PCB-141 22'34'55"-HxCB	33.00		0.9746	0.9746	0	3.96E+06	1.24	0.65	148	5.33E+02	0.197
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	1.72E+06	1.28	0.58	71.9	5.33E+02	0.221
PCB-137 22'34'4'5"-HxCB	33.53		0.9904	0.9904	0	1.68E+06	1.31	0.66	61.8	5.33E+02	0.194
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9930	0	2.13E+06	1.26	0.89	58.4	5.33E+02	0.145
PCB-163/138/129 ...-HxCB	33.88	C	1.0012	1.0008	-0.8	3.28E+07	1.25	0.72	1,120	5.33E+02	0.179
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.33E+02	0.15
PCB-158 233'44'6"-HxCB	34.21		1.0106	1.0106	0	4.10E+06	1.26	0.93	107	5.33E+02	0.137
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	6.87E+06	1.30	0.99	172	2.93E+03	0.784
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	2.93E+03	0.736
PCB-162 233'4'55"-HxCB	36.04		0.9896	0.9897	+0.2	1.59E+05	1.30	1.12	3.51	2.93E+03	0.691
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.67E+02	0.148
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	1.36E+06	1.10	1.04	44.7	4.67E+02	0.152
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	4.67E+02	0.156
PCB-176 22'33'466"-HpCB	32.71	EMPC	1.0324	1.0324	0	4.04E+05	1.24	1.11	12.4	4.67E+02	0.141
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	4.67E+02	0.15
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0818	+0.4	5.46E+05	1.19	0.80	23.2	4.67E+02	0.196
PCB-175 22'33'45'6"-HpCB	34.81		1.0985	1.0988	+0.6	1.50E+05	1.04	0.97	5.29	9.97E+02	0.347
PCB-187 22'34'55'6"-HpCB	35.04		1.1057	1.1060	+0.6	4.40E+06	1.03	1.03	145	9.97E+02	0.326
PCB-182 22'344'56"-HpCB	35.20	J	1.1112	1.1109	-0.6	2.69E+04	1.08	1.02	0.894	9.97E+02	0.328
PCB-183 22'344'5'6"-HpCB	35.56		1.1219	1.1223	+0.9	2.18E+06	1.02	1.08	69	9.97E+02	0.312
PCB-185 22'3455'6"-HpCB	35.63		1.1241	1.1245	+0.9	2.19E+05	1.09	0.93	8.01	9.97E+02	0.36
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1278	+0.4	3.05E+06	1.08	0.84	123	9.97E+02	0.397
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1395	+0.4	1.95E+06	1.08	0.83	79.7	9.97E+02	0.402
PCB-181 22'344'56"-HpCB	36.45		1.1501	1.1504	+0.7	5.08E+04	1.18	0.94	1.84	9.97E+02	0.356
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	1.08E+06	1.05	0.84	43.9	9.97E+02	0.398
PCB-172 22'33'455"-HpCB	38.03		0.9003	0.9003	0	3.67E+05	1.01	0.61	10.9	9.97E+02	0.308
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	9.97E+02	0.237
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	8.48E+06	1.05	0.84	182	9.97E+02	0.223
PCB-191 233'44'5'6"-HpCB	38.87		0.9203	0.9202	-0.2	1.85E+05	0.99	0.80	4.18	9.97E+02	0.234
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9378	-0.5	3.53E+06	1.05	0.70	91.6	9.97E+02	0.269
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	8.27E+05	1.04	0.78	19.1	9.97E+02	0.24
PCB-202 22'33'55'66"-OoCB	36.22		1.0006	1.0005	-0.2	4.10E+05	0.85	0.83	16.9	3.98E+02	0.196
PCB-201 22'33'45'66"-OoCB	37.00		1.0221	1.0220	-0.2	2.29E+05	0.95	0.99	7.9	3.98E+02	0.164

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	3.98E+02	0.176
PCB-197 22'33'44'66'-OcCB	37.74	J EMPC	1.0431	1.0425	-1.4	3.08E+04	0.69	1.07	0.981	3.98E+02	0.151
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0450	-0.2	2.15E+05	0.80	0.86	8.57	3.98E+02	0.19
PCB-198/199 ...-OcCB	40.22	C	1.1102	1.1110	+1.9	1.44E+06	0.93	0.69	70.8	3.98E+02	0.234
PCB-196 22'33'44'56'-OcCB	40.77		1.1260	1.1262	+0.5	5.31E+05	0.91	0.70	25.8	3.98E+02	0.231
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1308	+0.5	9.43E+05	0.87	0.77	42.1	3.98E+02	0.212
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	4.71E+05	0.91	0.67	20.8	8.31E+02	0.407
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	1.47E+06	0.92	0.74	58.5	8.31E+02	0.367
PCB-205 233'44'55'6-OcCB	44.43		1.0004	1.0004	0	8.15E+04	0.92	1.09	2.21	8.31E+02	0.25
PCB-208 22'33'455'66'-NoCB	41.85		1.0005	1.0005	0	4.07E+05	0.81	0.98	14.4	8.50E+02	0.388
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0193	+0.3	1.40E+05	0.79	1.01	4.78	8.50E+02	0.373
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0004	0	9.69E+05	0.76	0.93	44.3	8.50E+02	0.471

AP Lab ID: A4371_9893_PCB_001-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

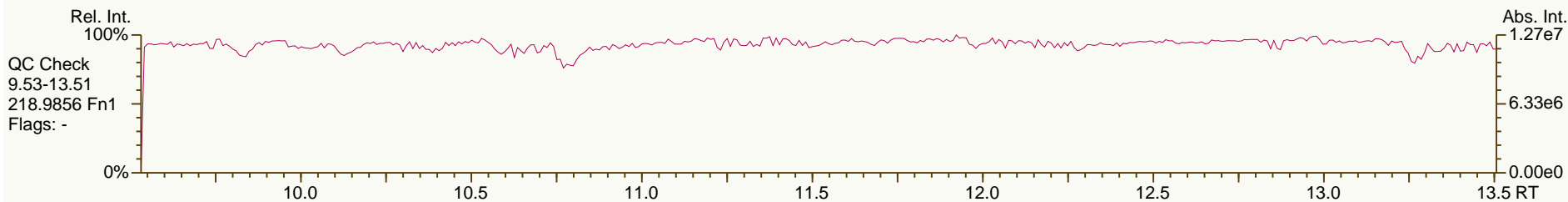
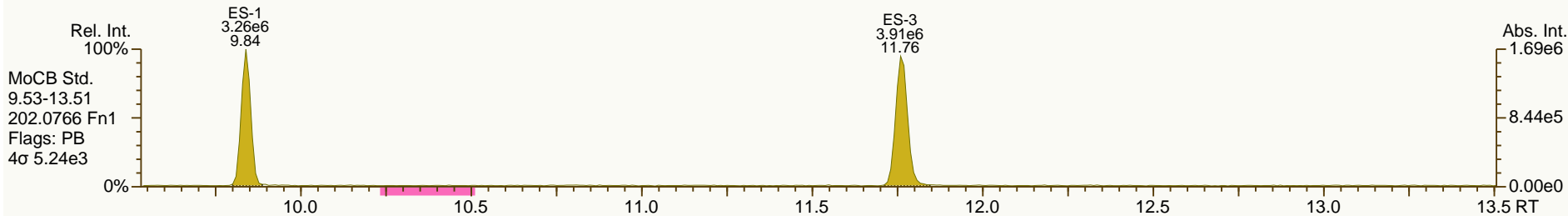
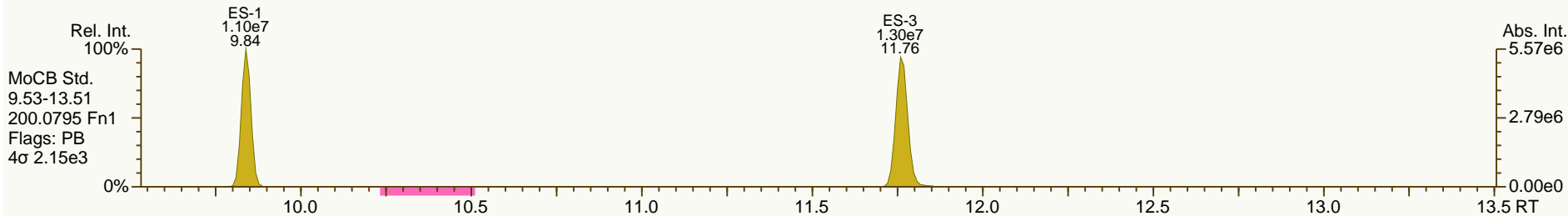
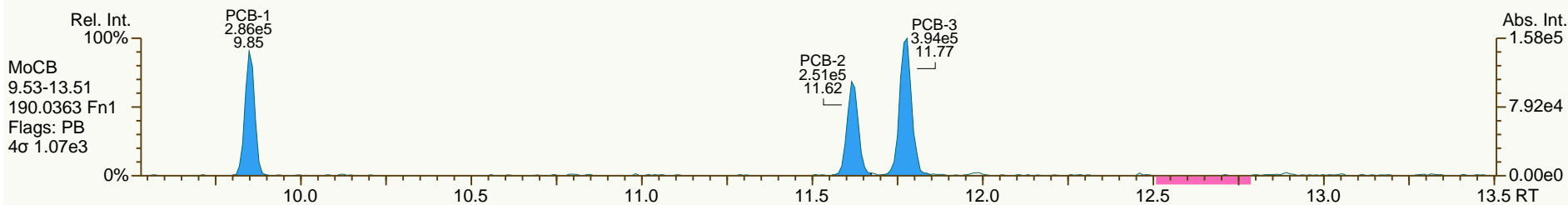
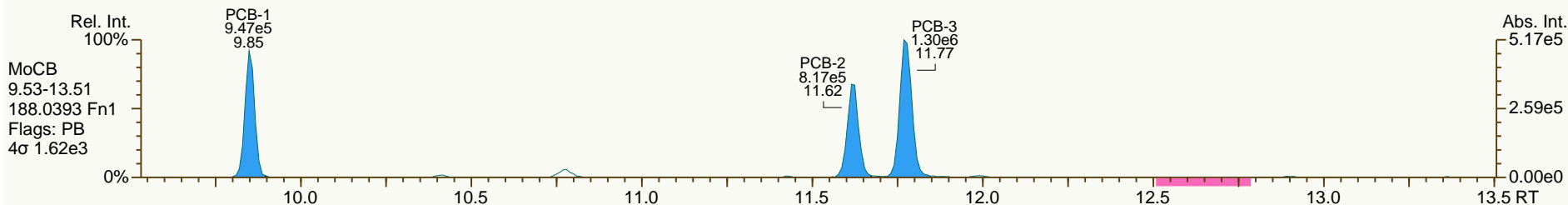
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AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 31

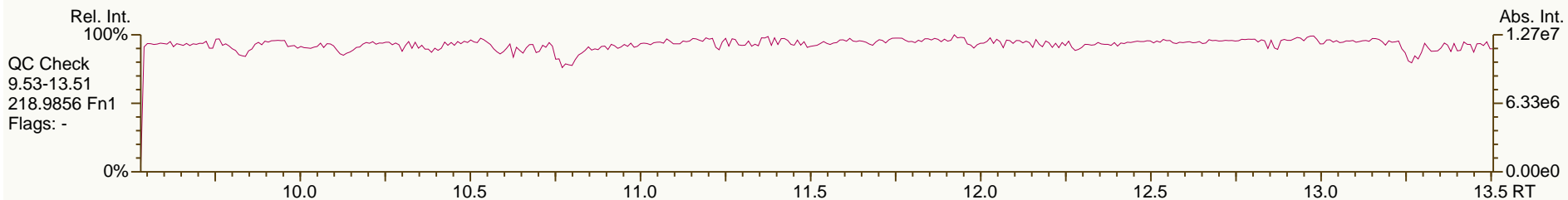
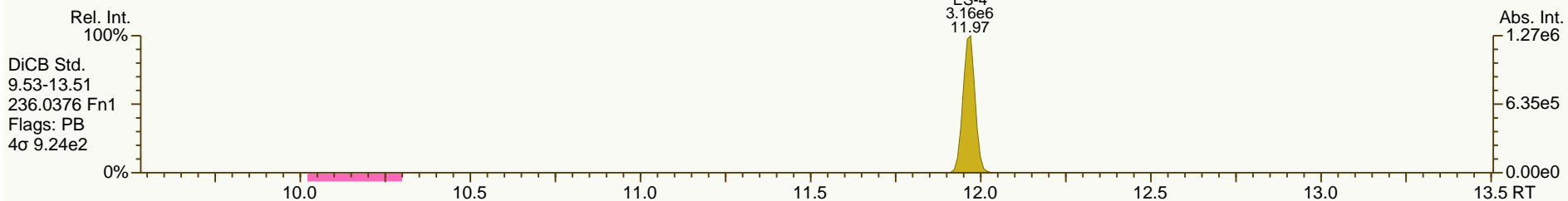
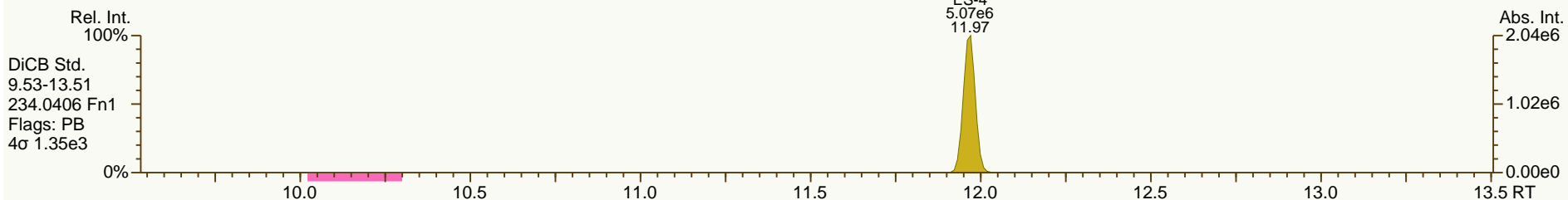
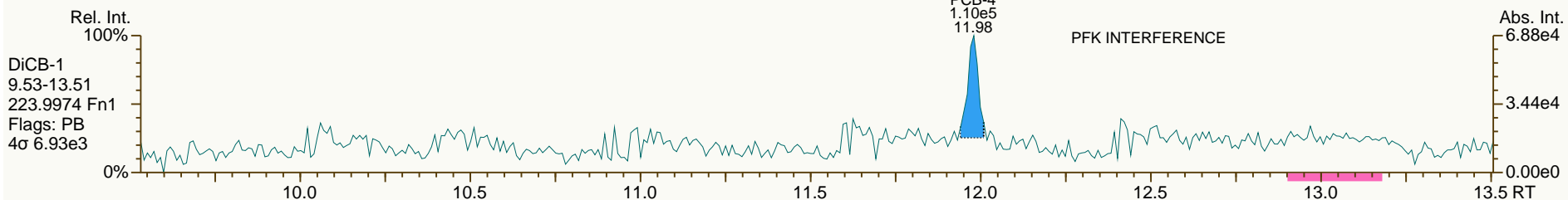
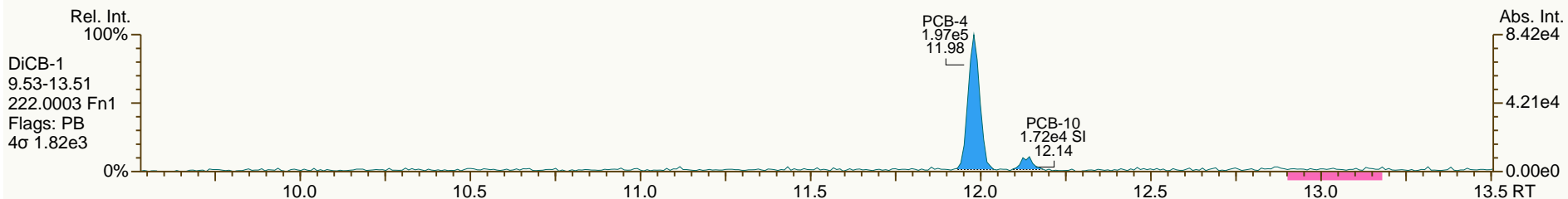
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AP Lab ID: A4371_9893_PCB_001-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
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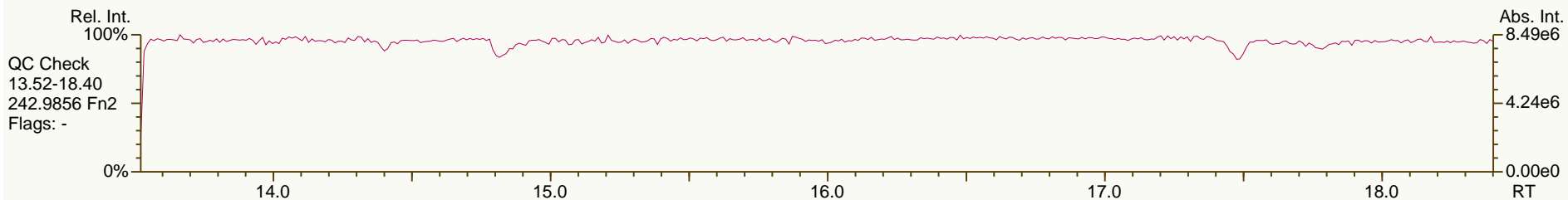
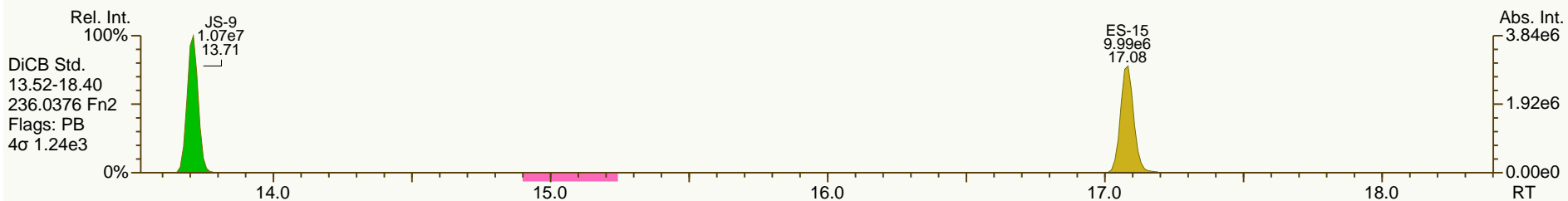
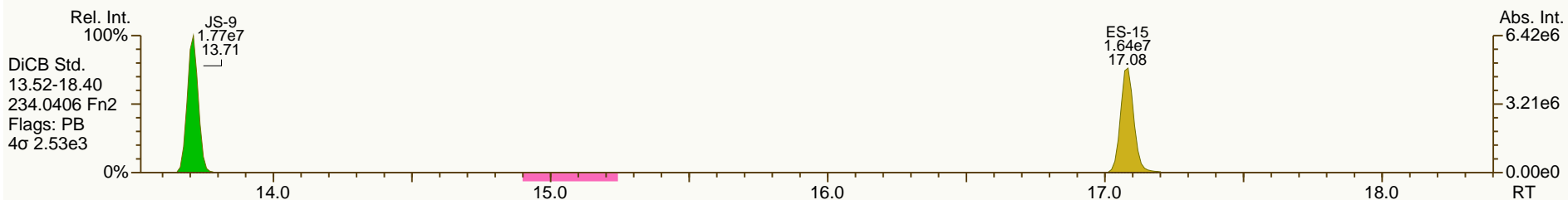
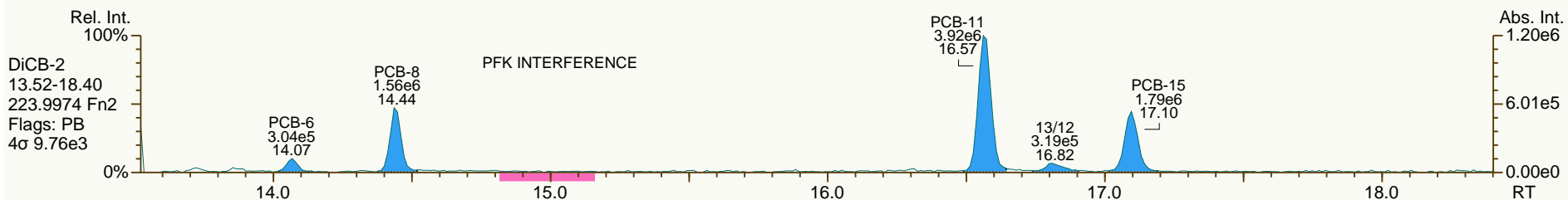
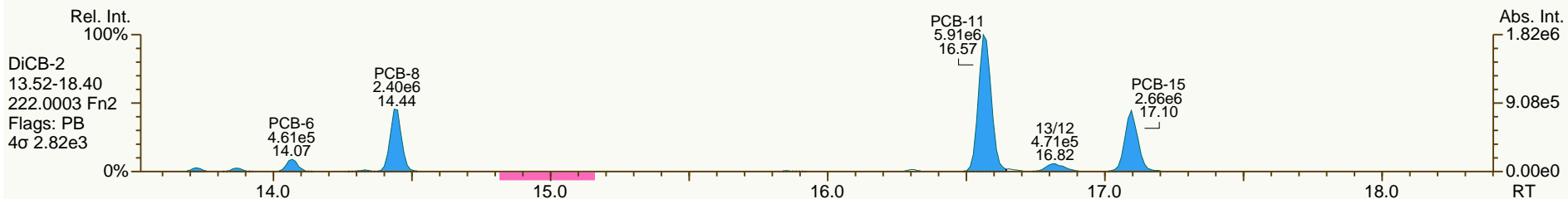
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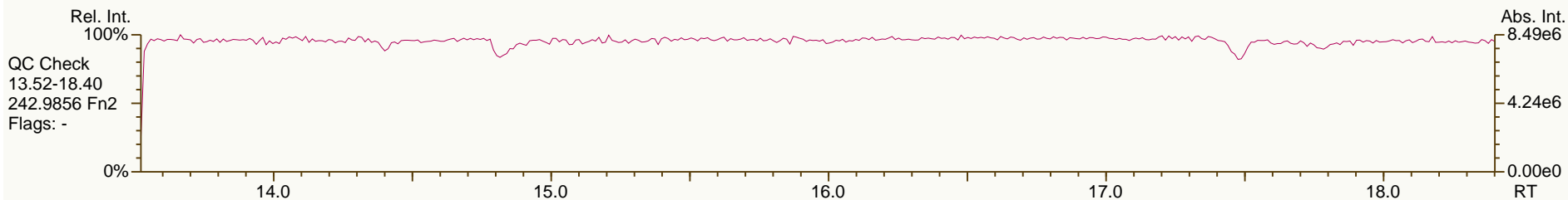
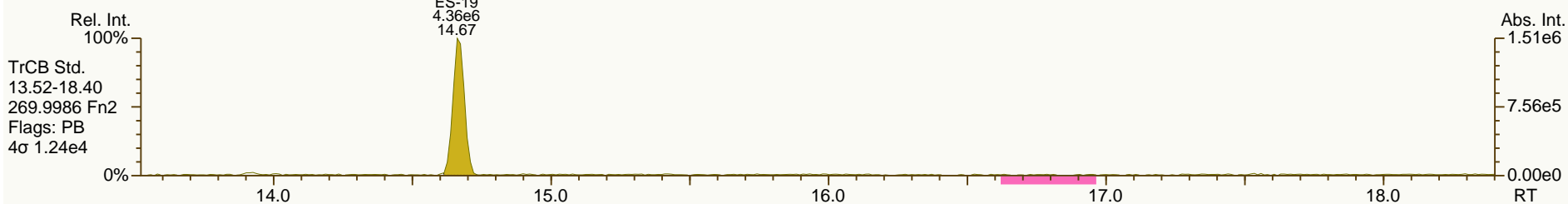
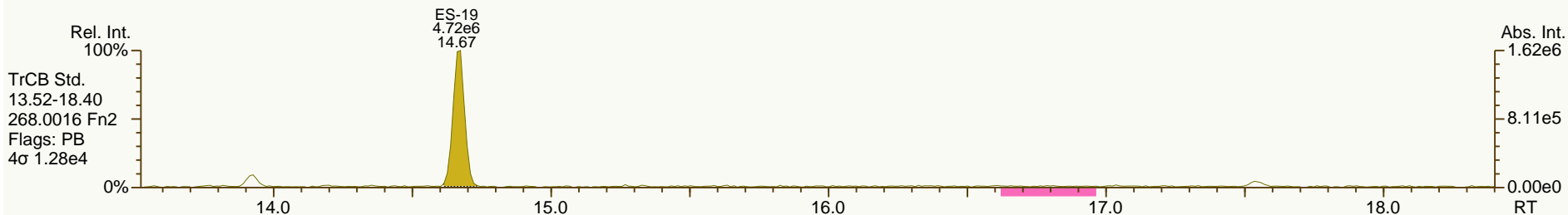
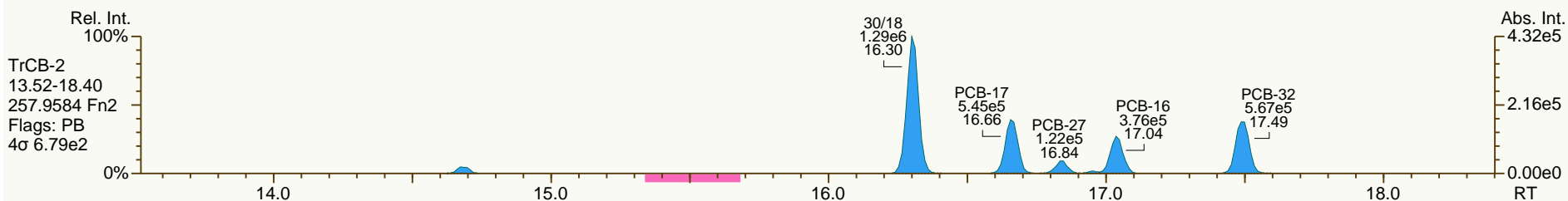
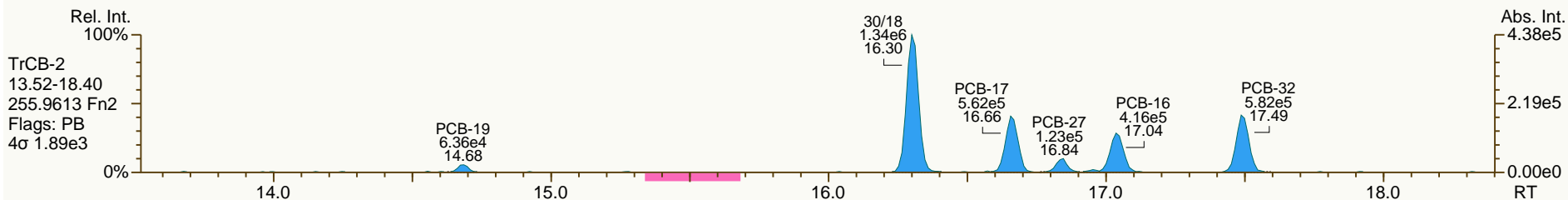
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Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA58-COMP-120507
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AP Lab ID: A4371_9893_PCB_001-RJ
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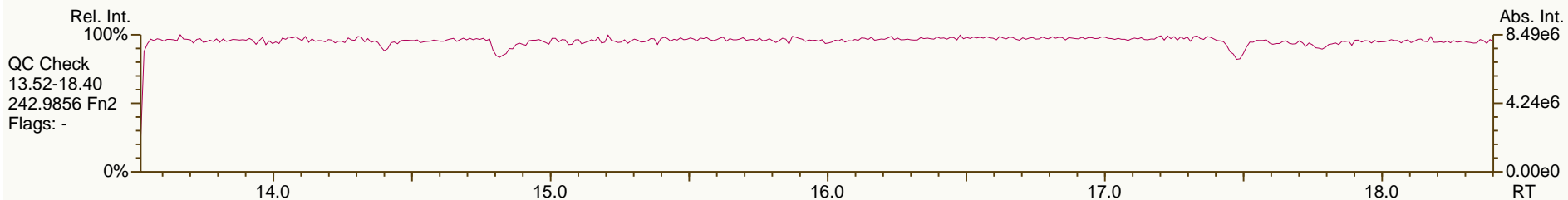
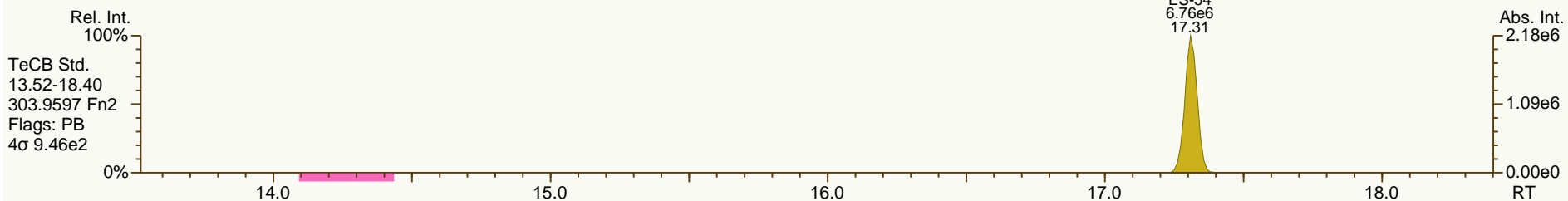
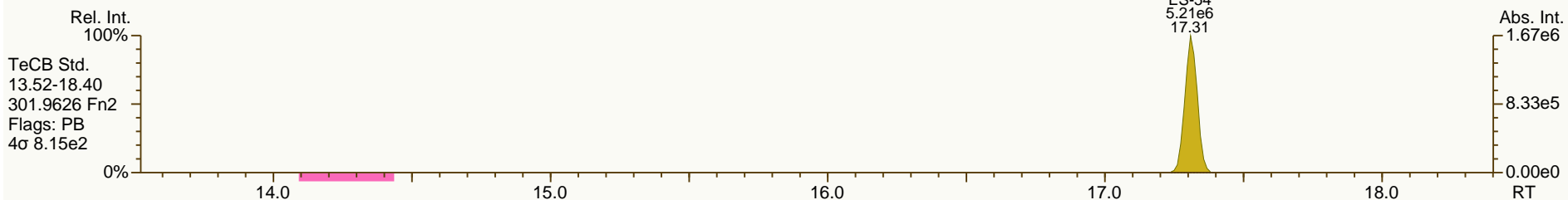
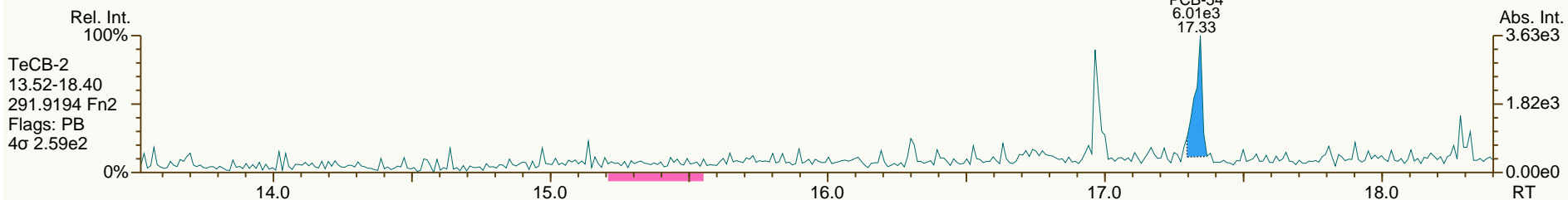
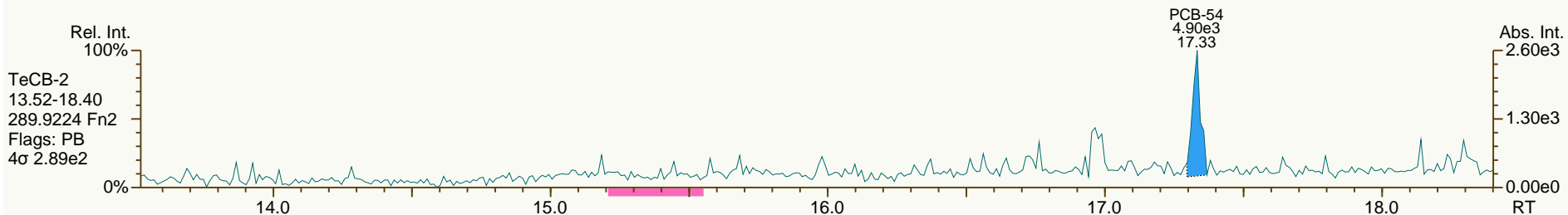
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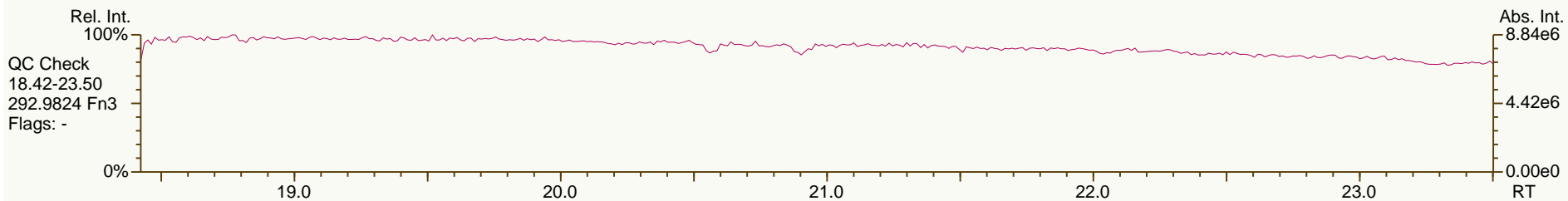
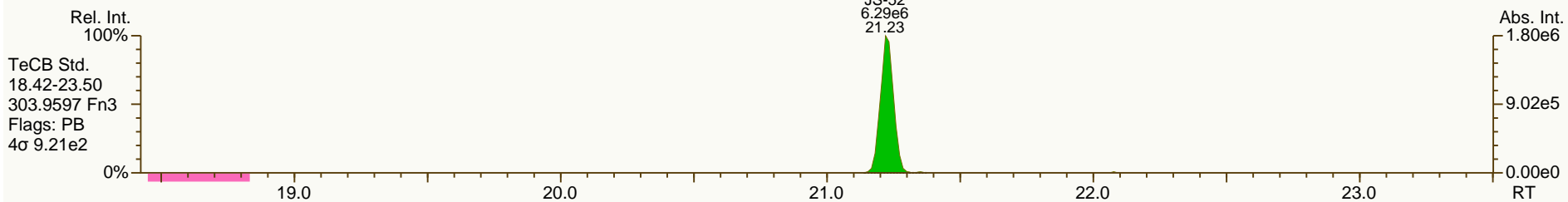
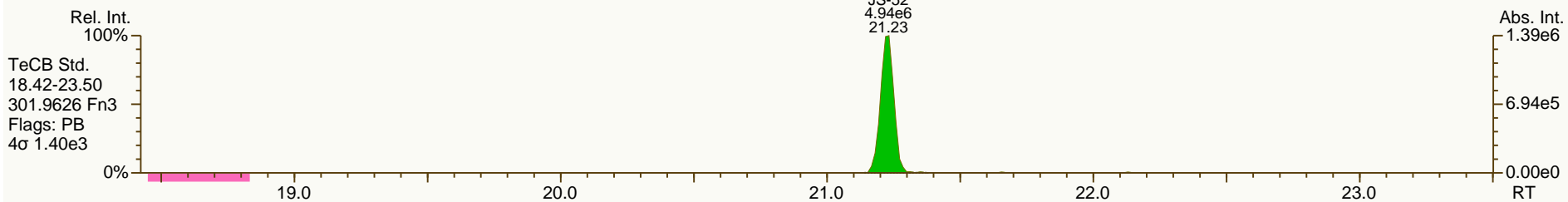
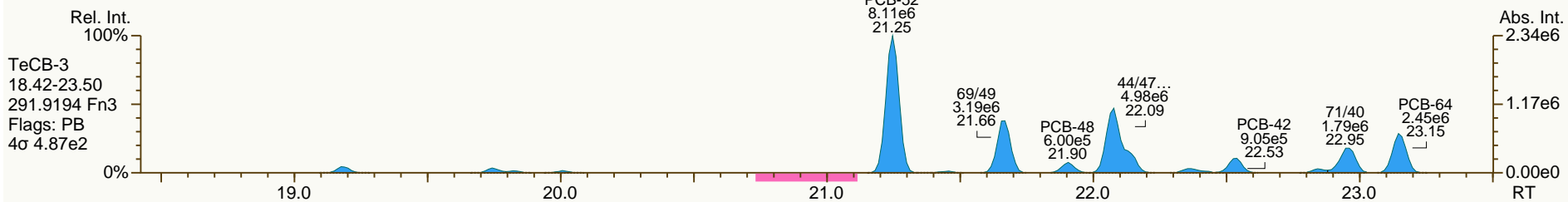
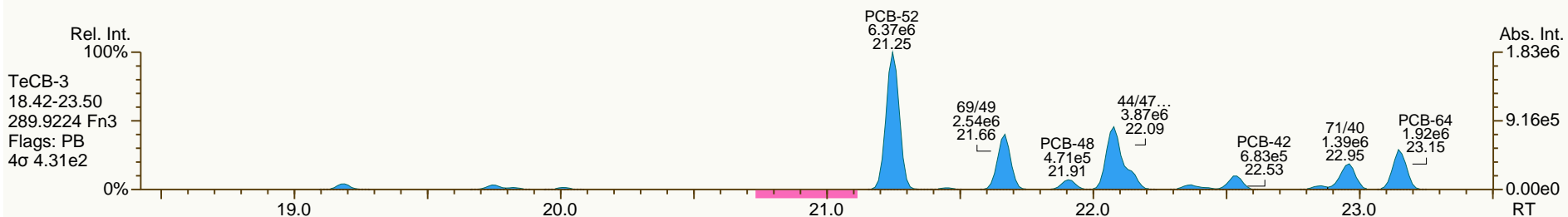
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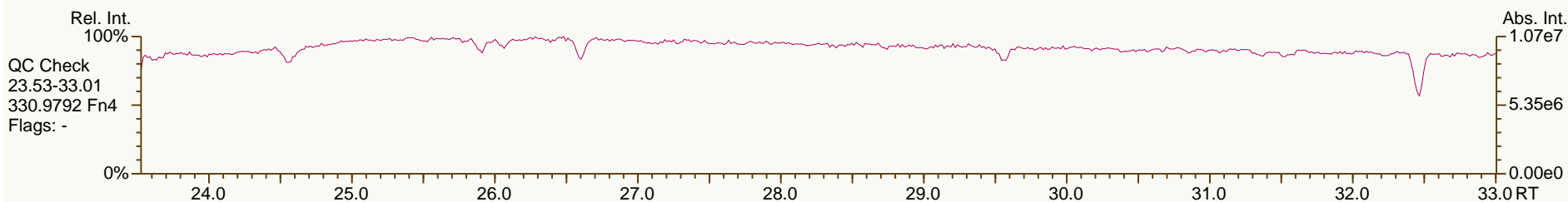
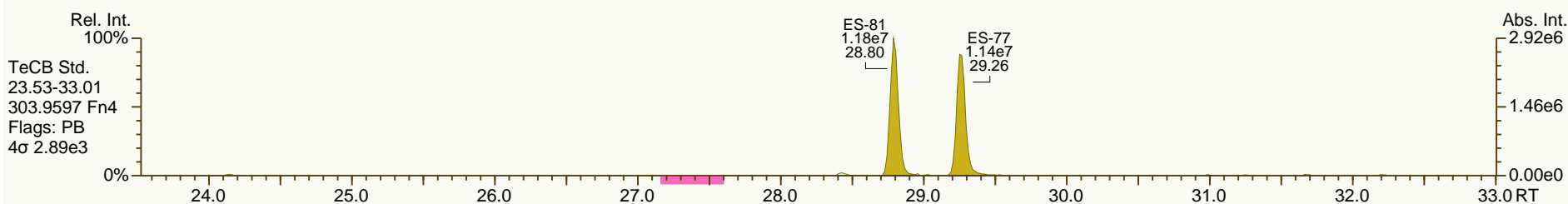
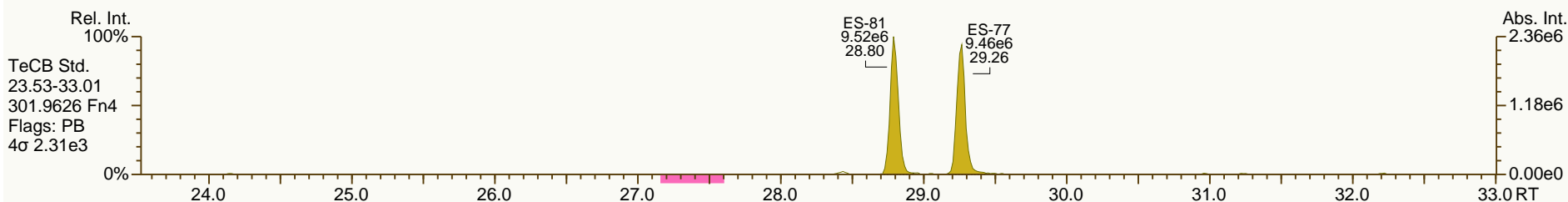
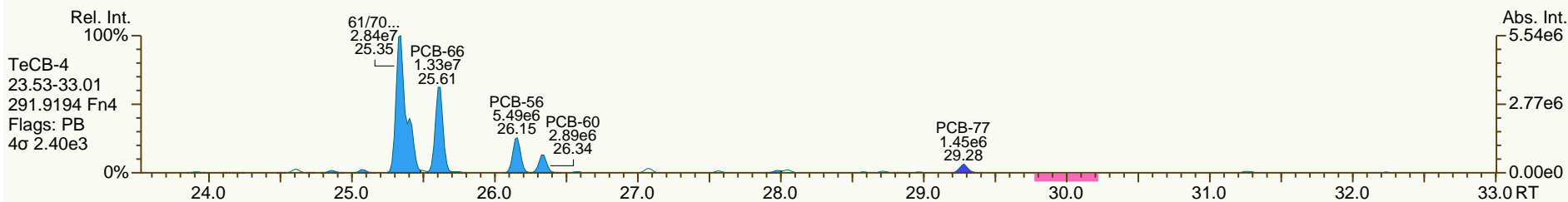
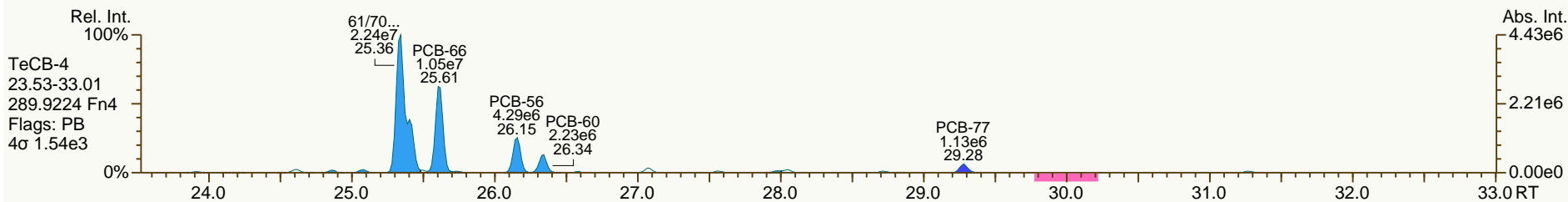
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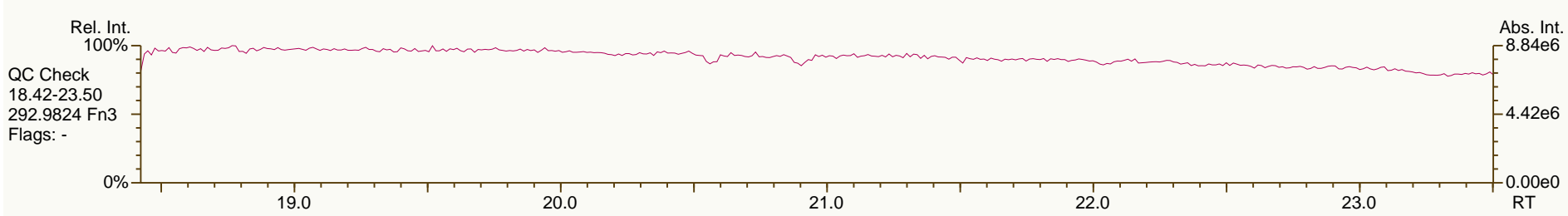
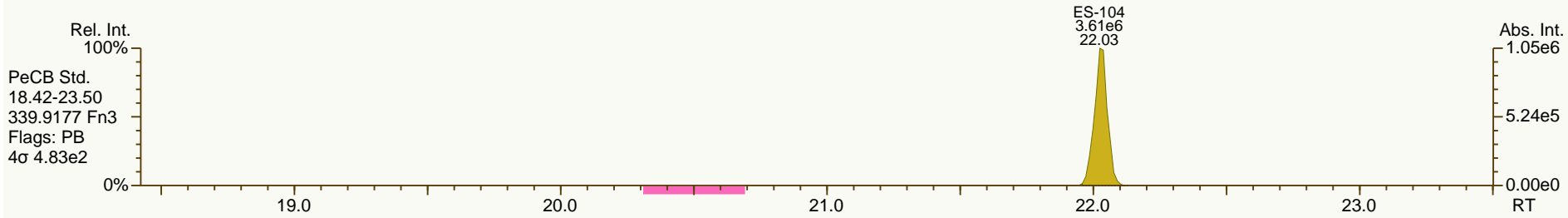
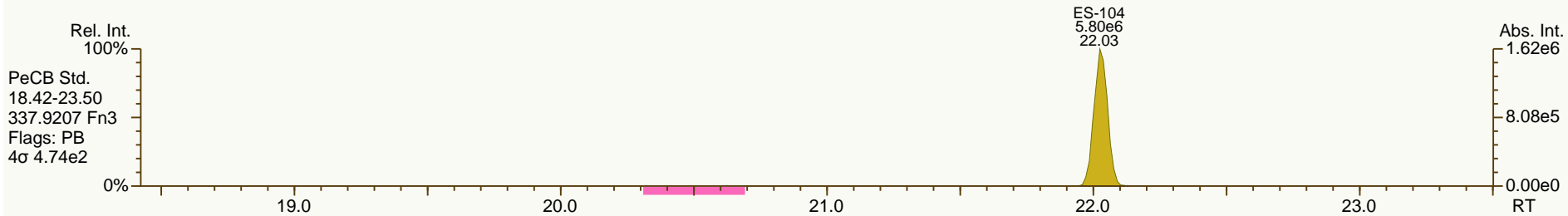
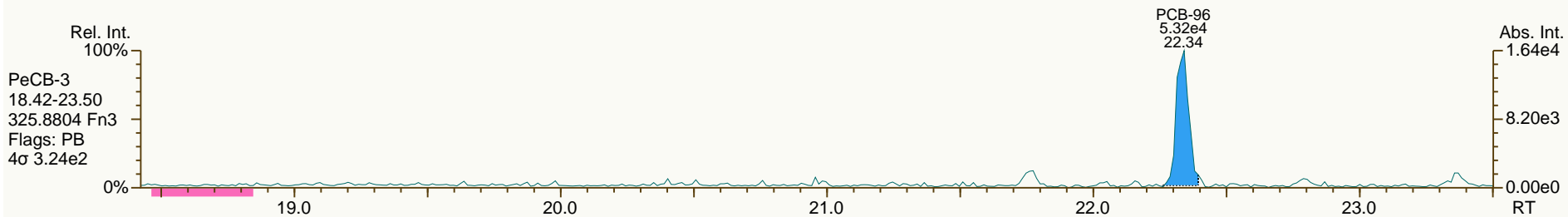
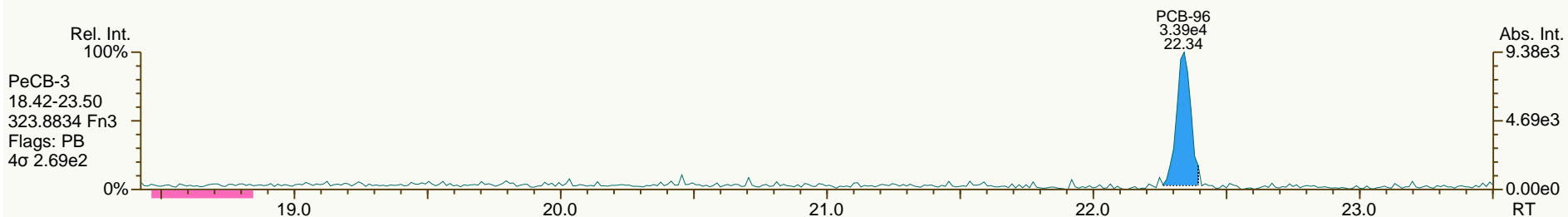
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AP Lab ID: A4371_9893_PCB_001-RJ
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Sample ID: JW-EA58-COMP-120507
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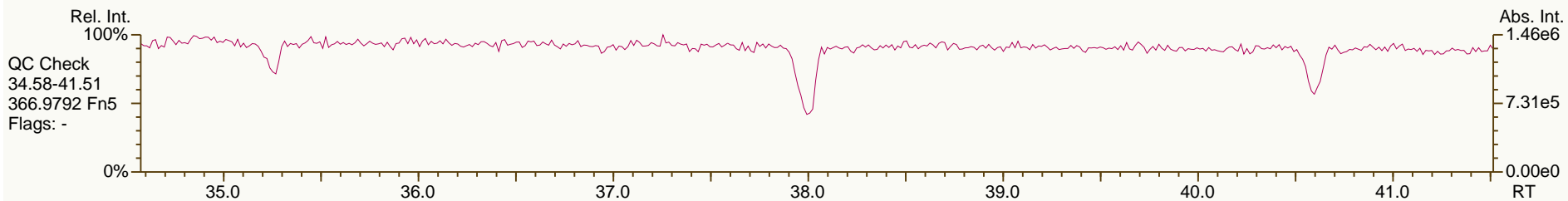
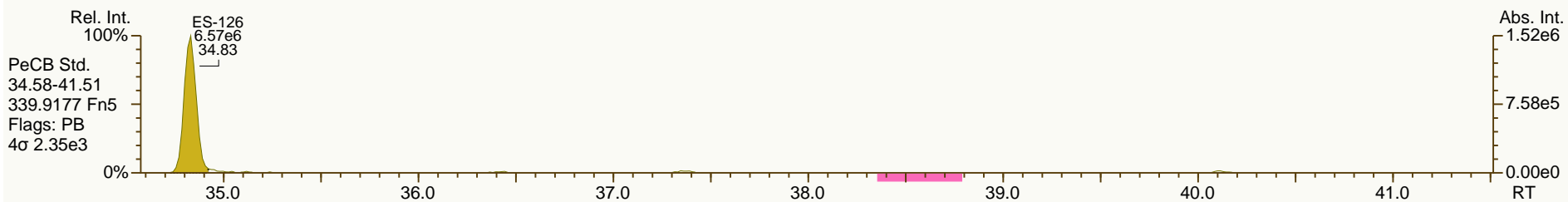
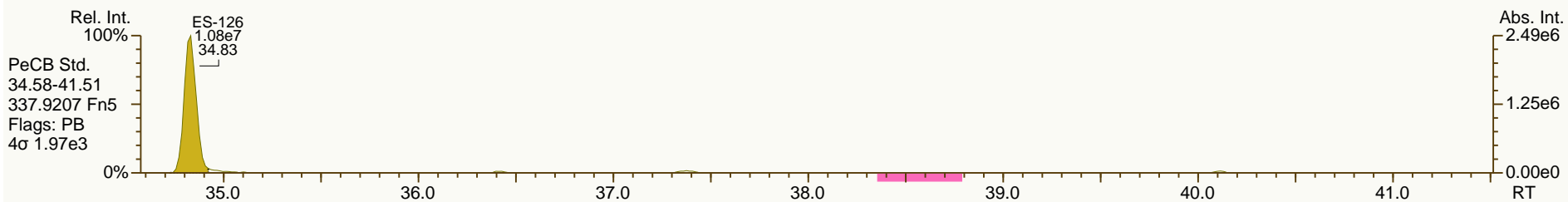
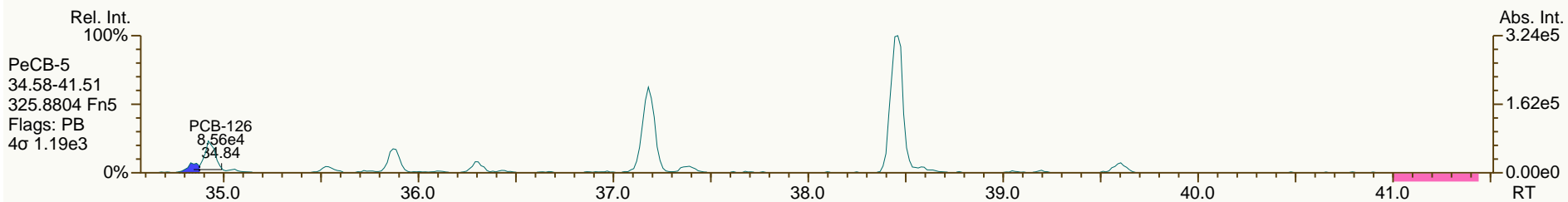
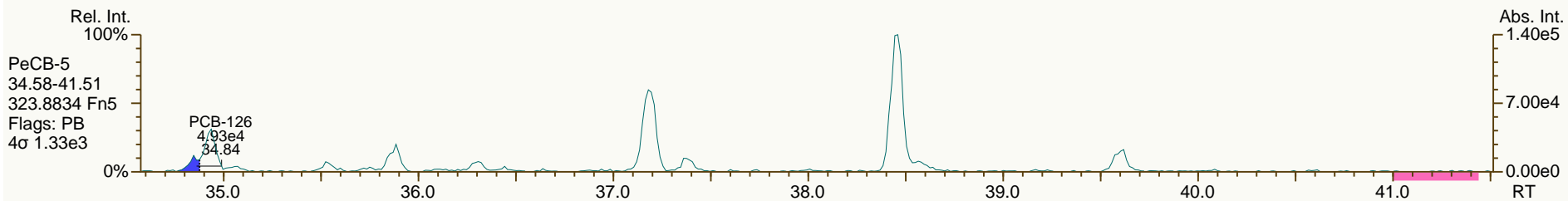
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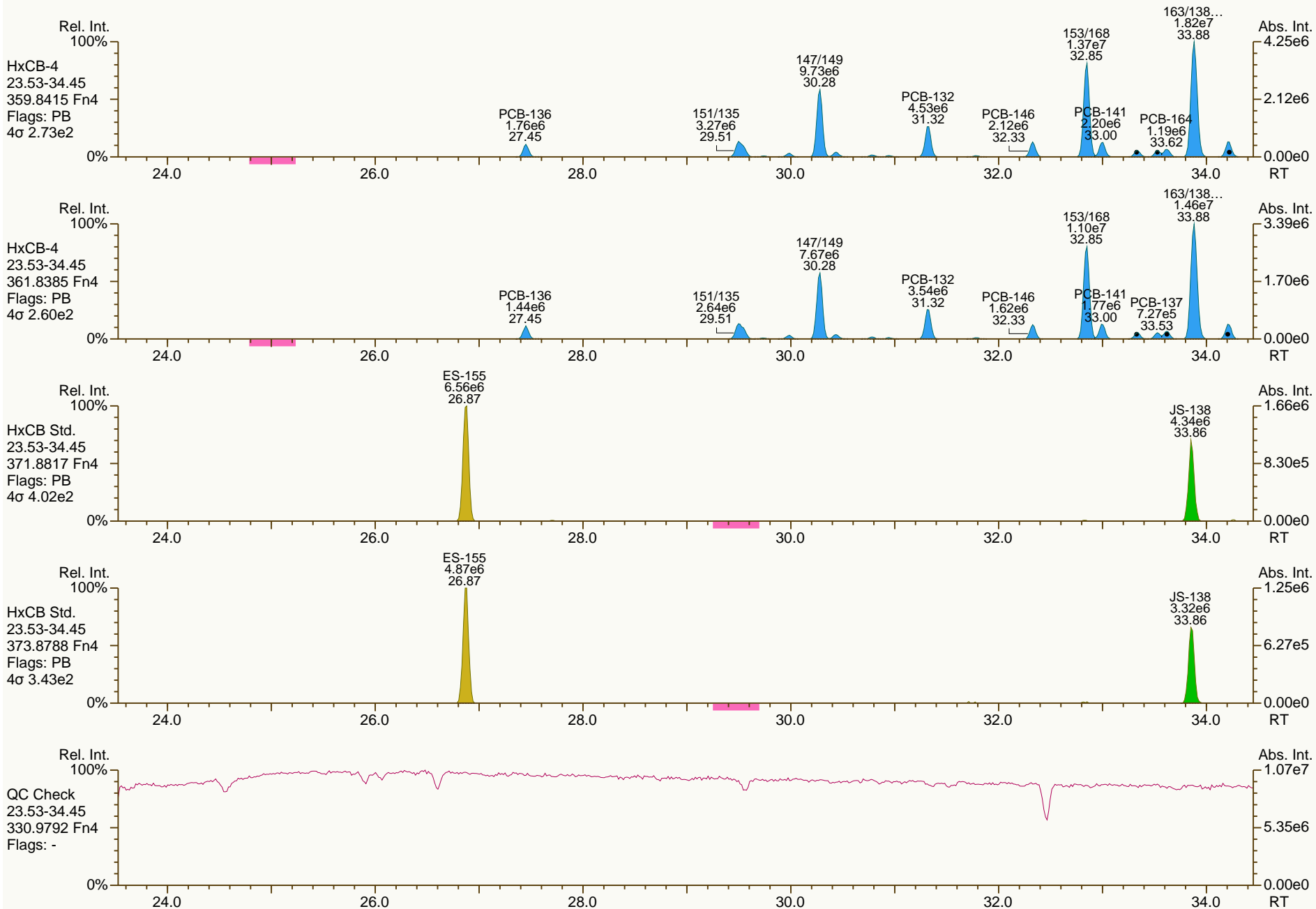
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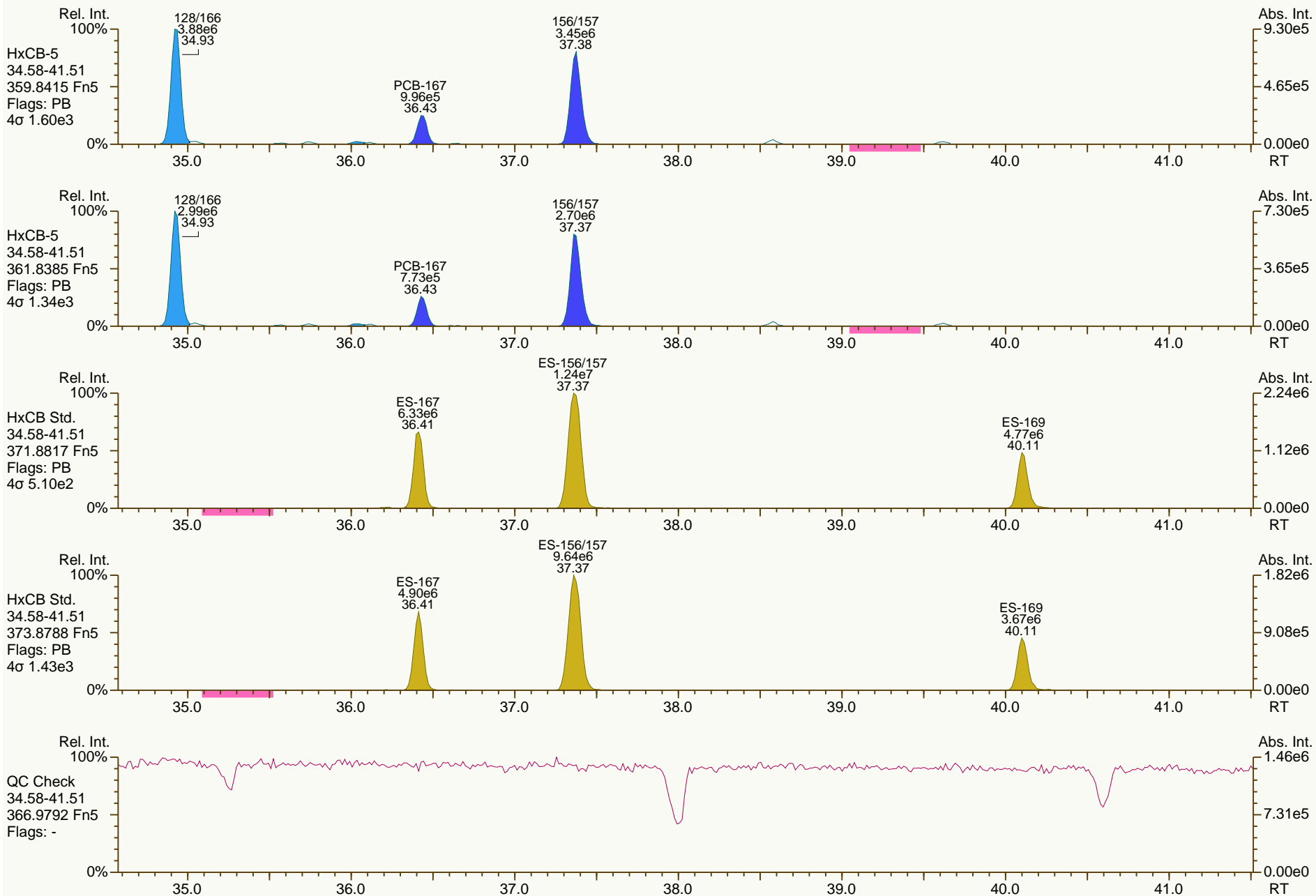
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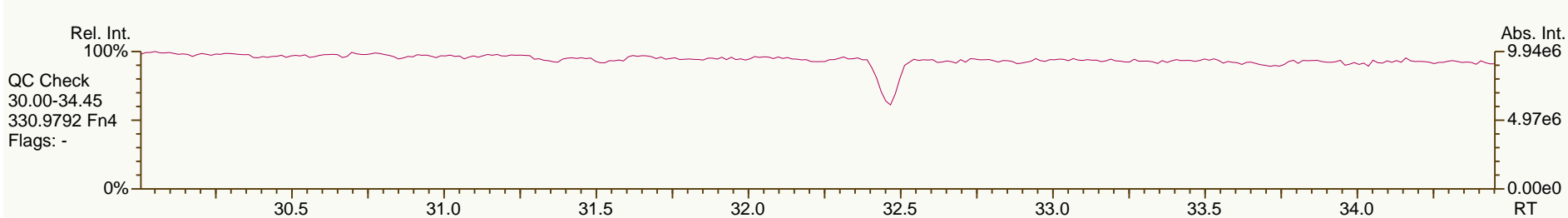
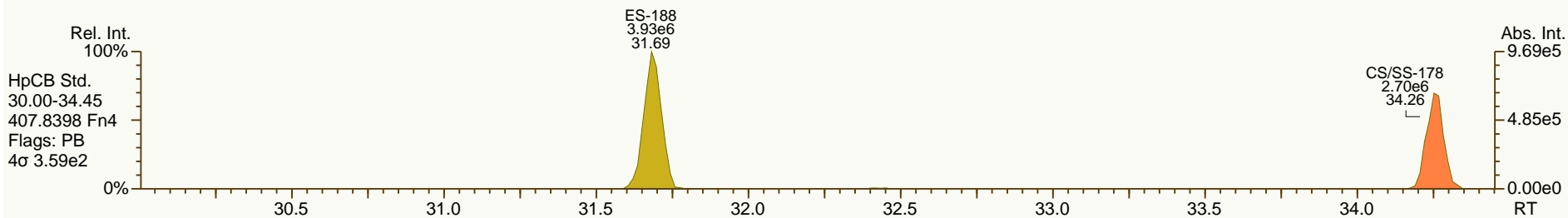
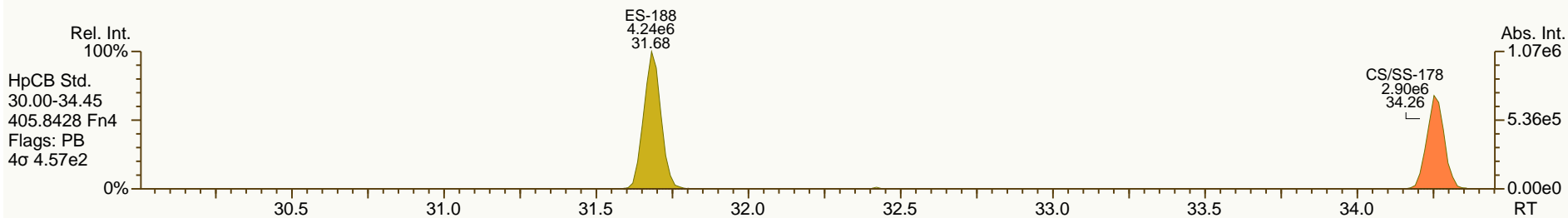
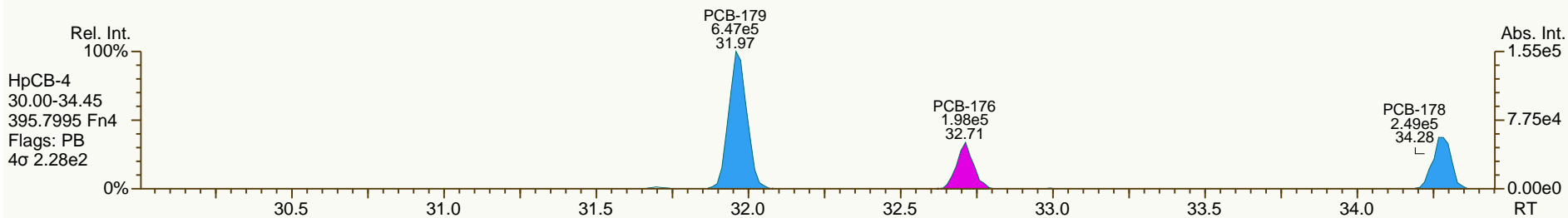
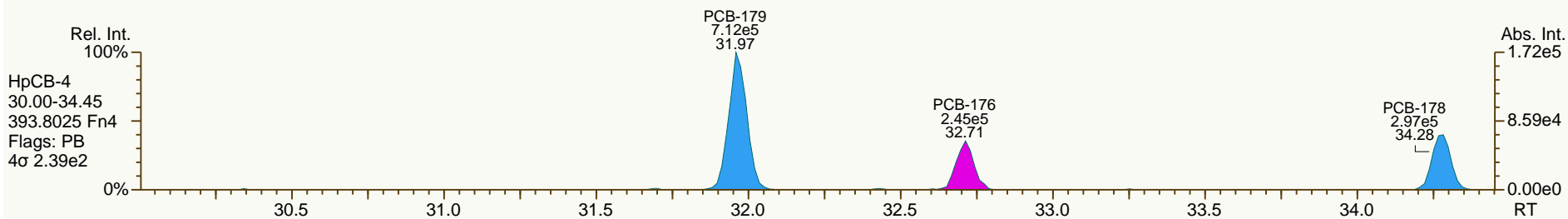
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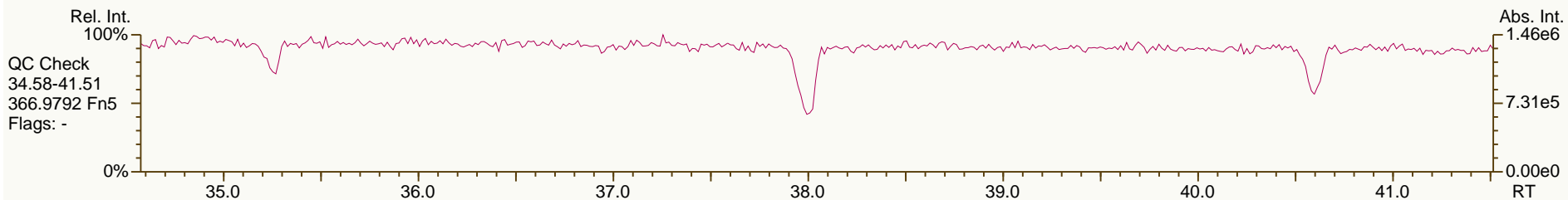
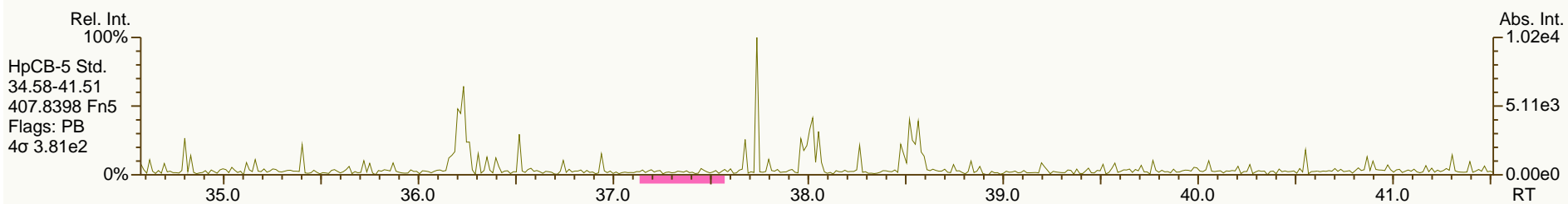
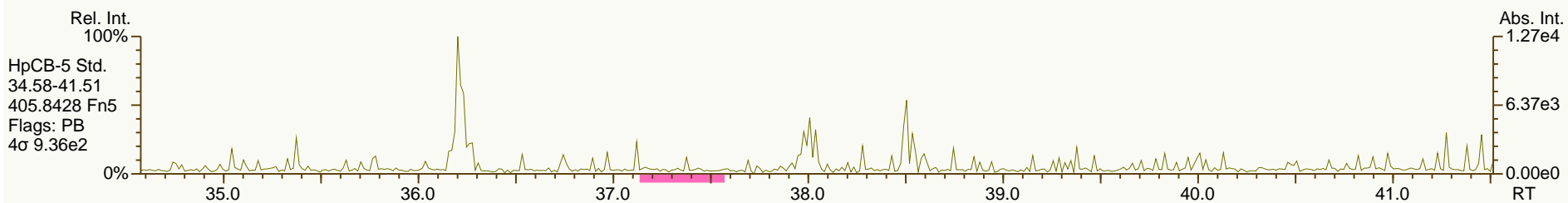
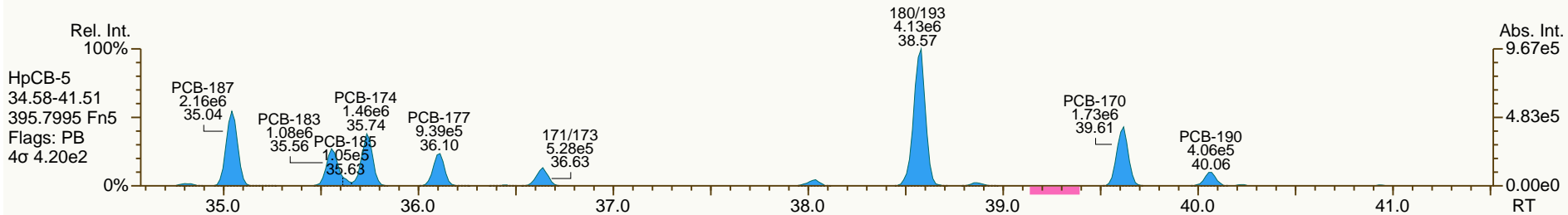
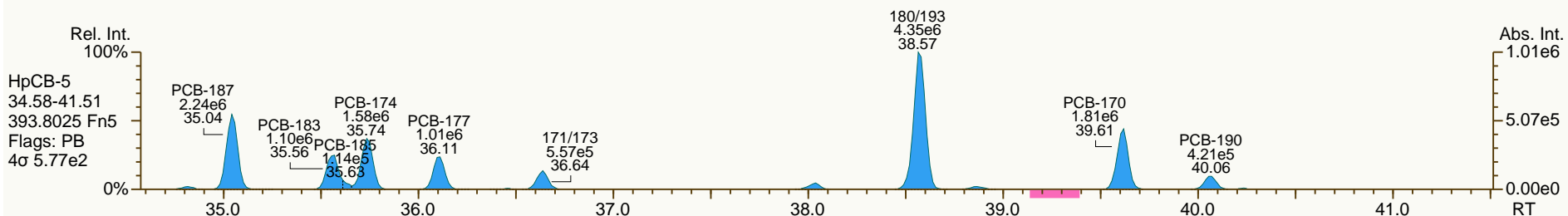
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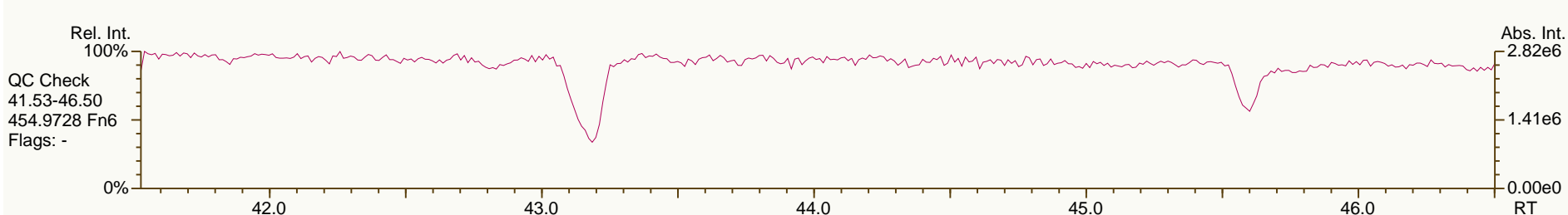
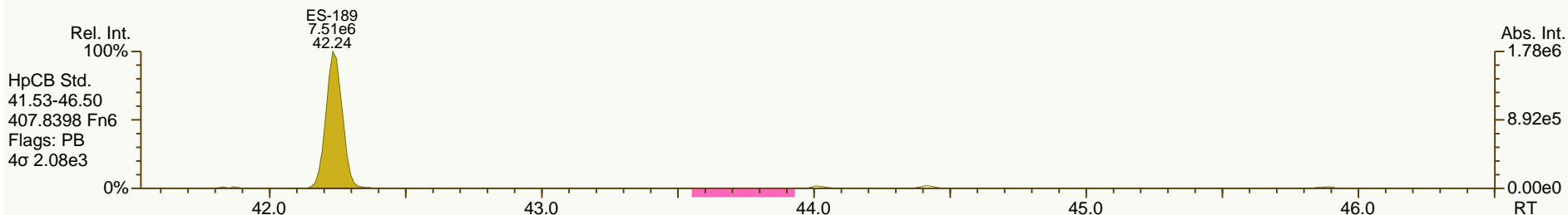
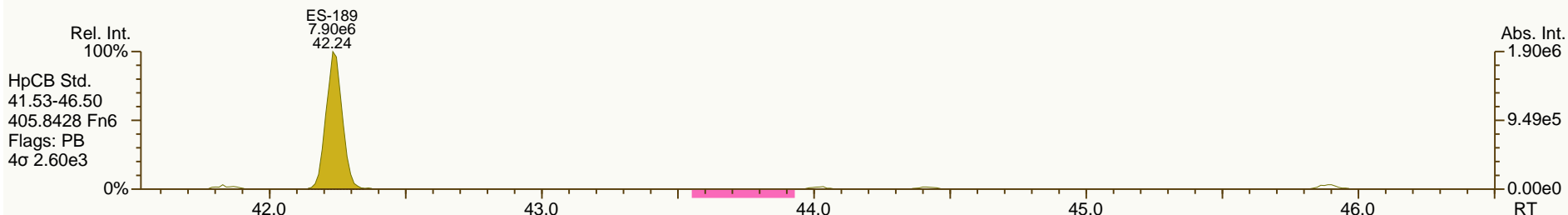
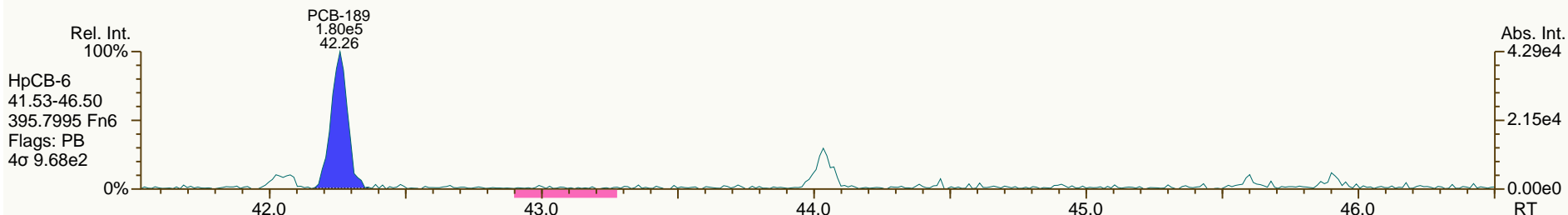
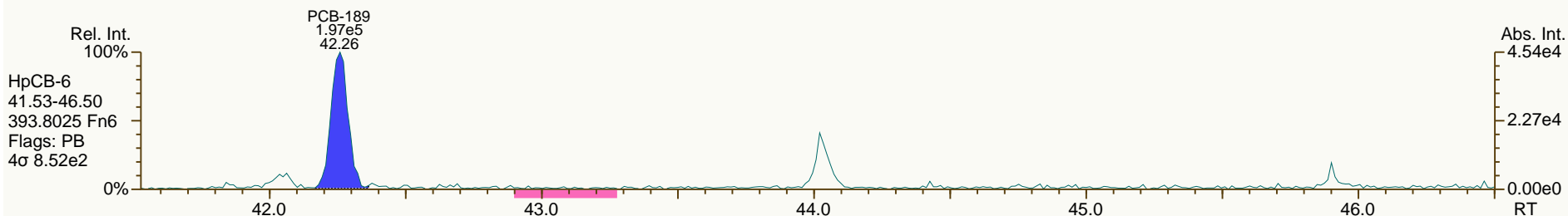
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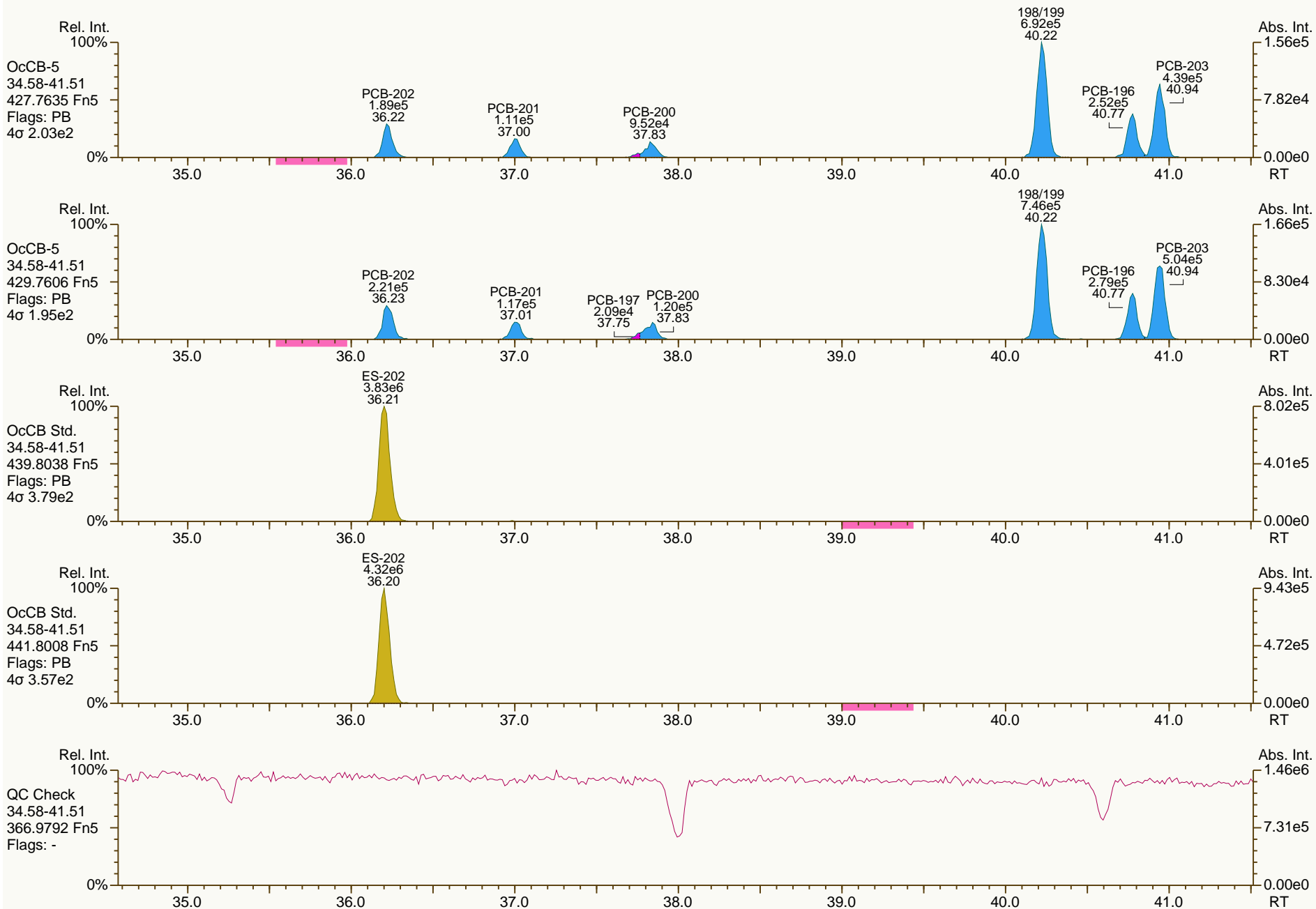
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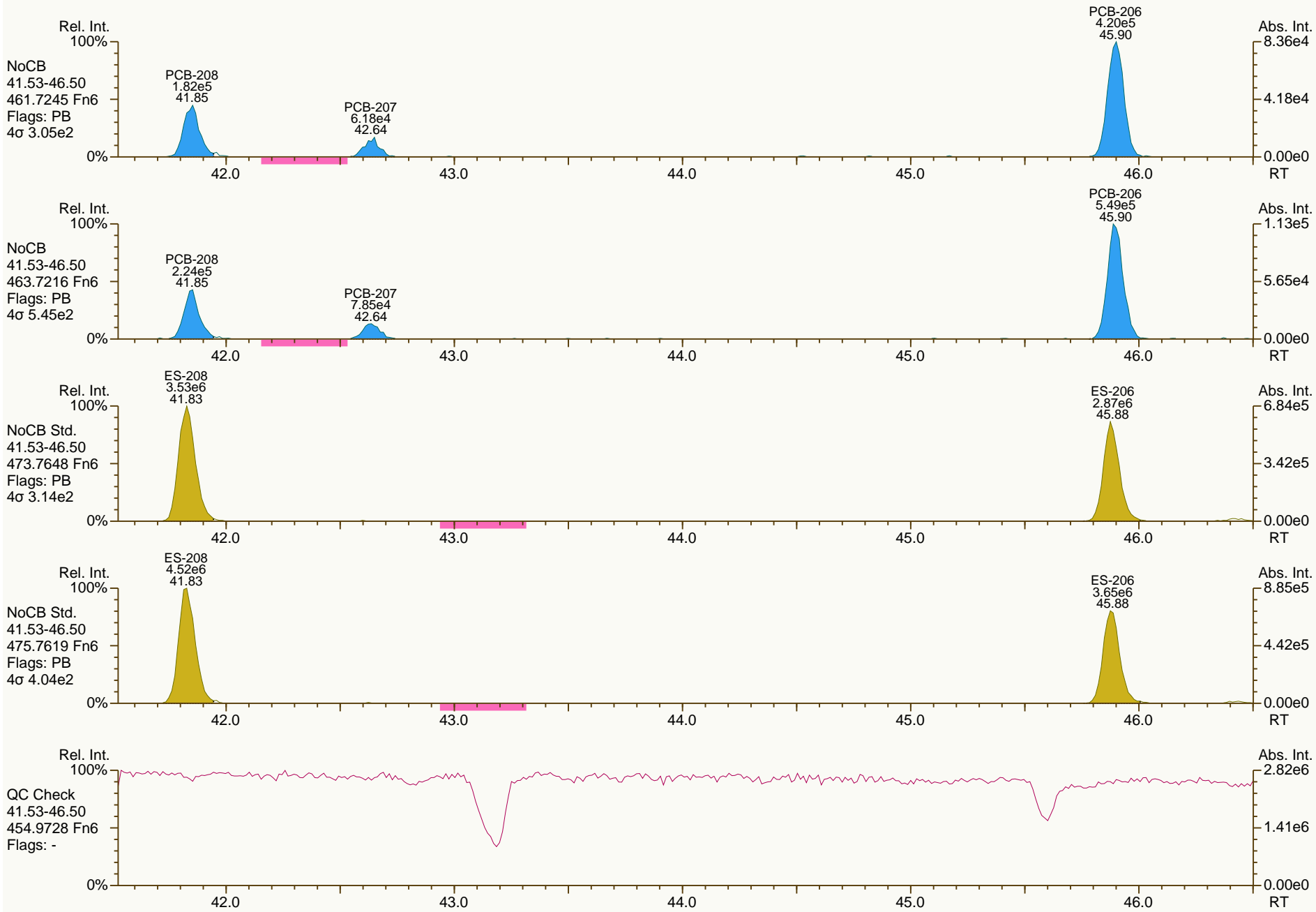
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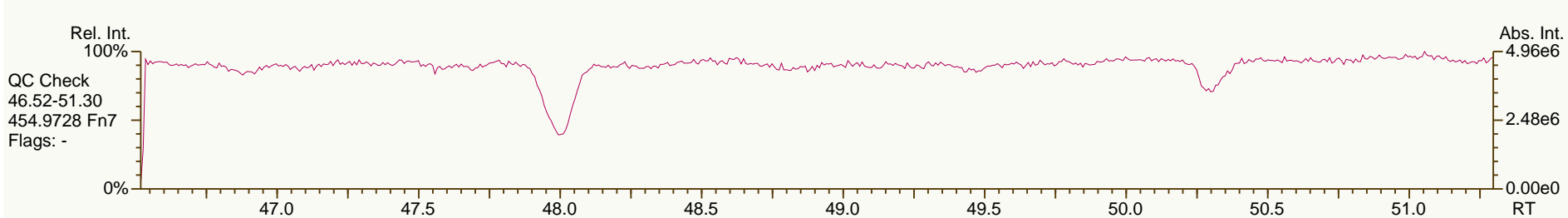
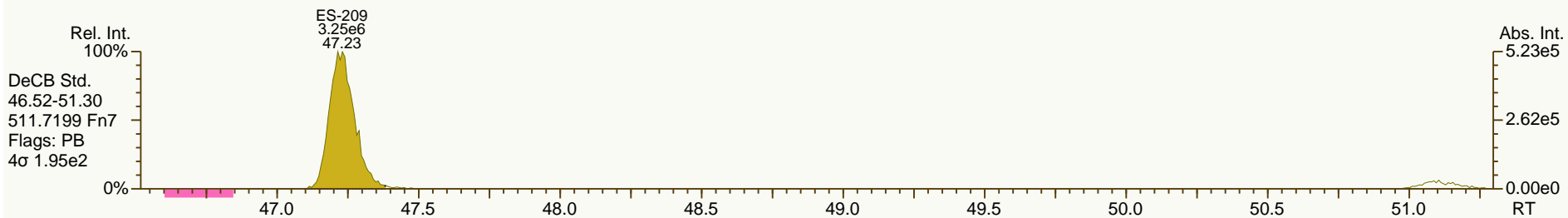
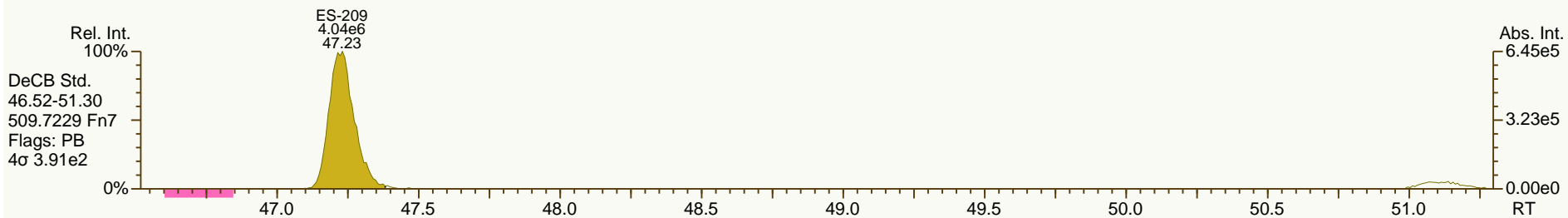
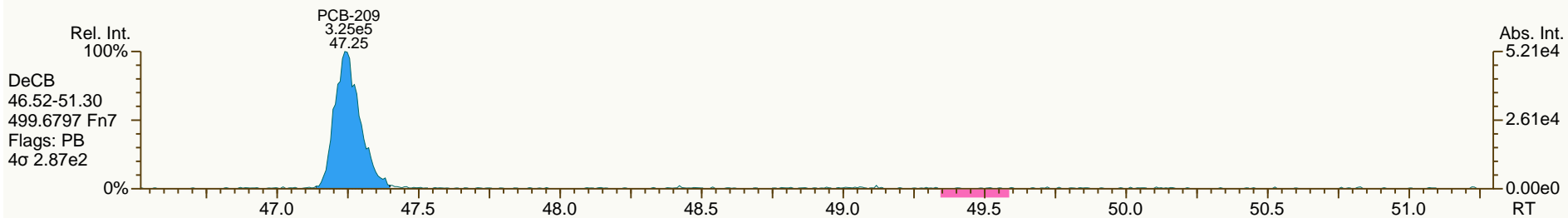
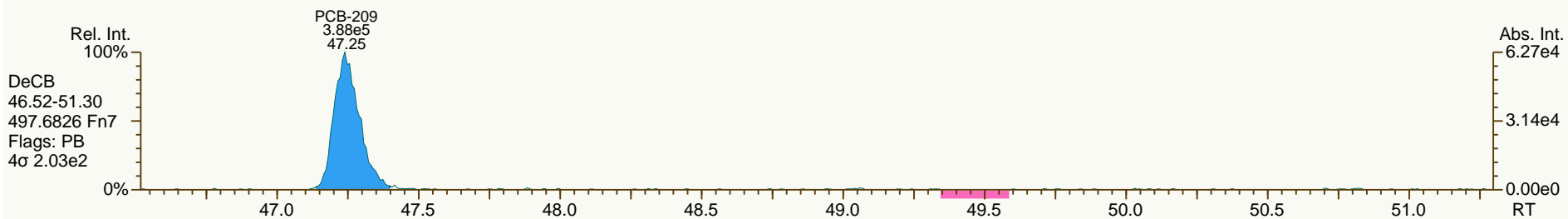
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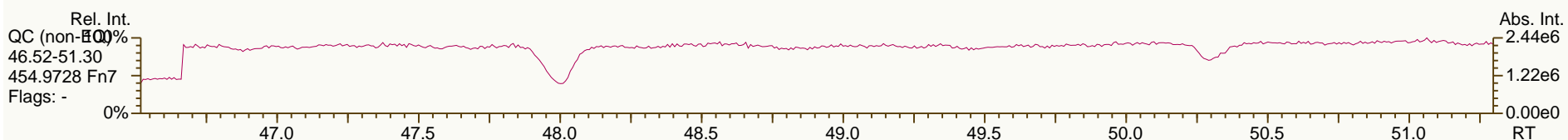
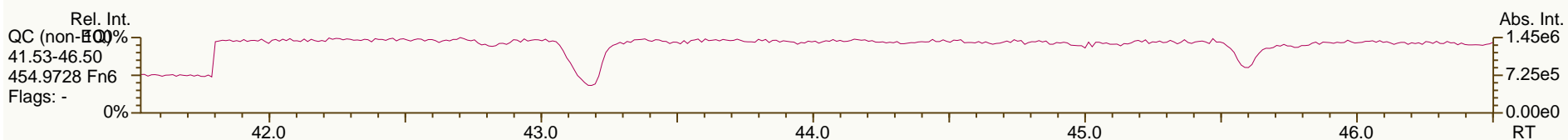
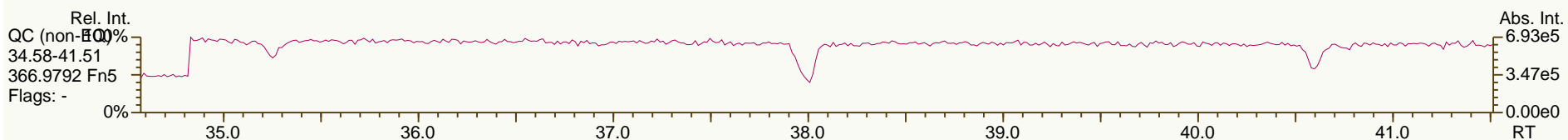
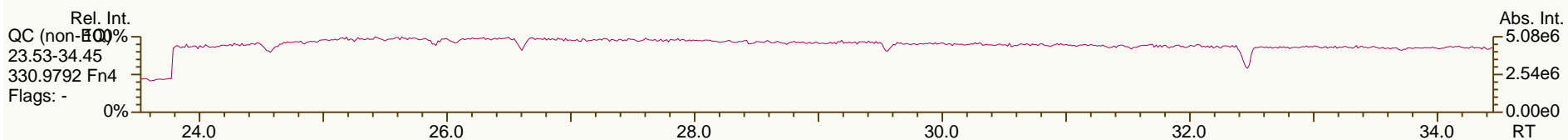
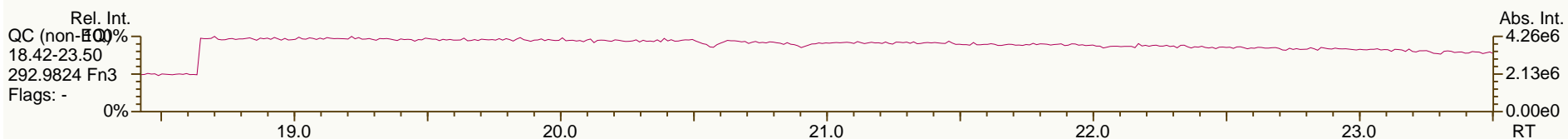
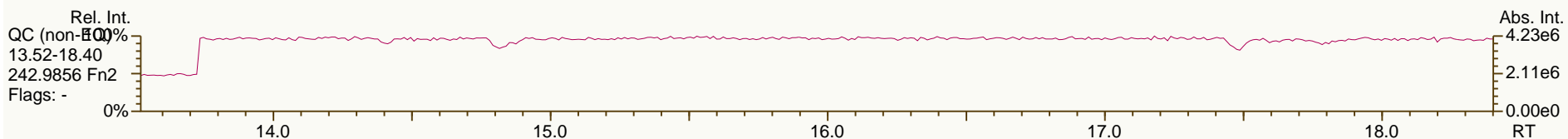
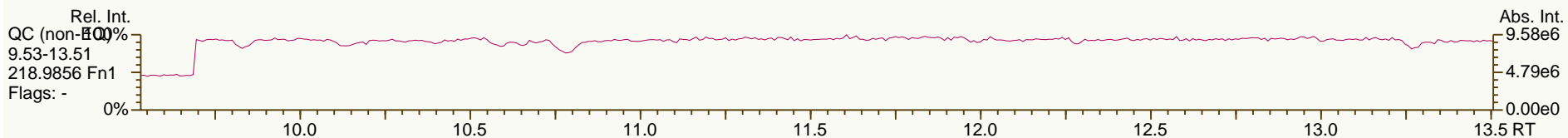
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Datafile: 120705S06

RPT: 09-Jul-2012 15:32 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	8.71E+05	0.79	1.22	15.1	2.24E+03	0.415
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.24E+03	0.39
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	3.17E+06	0.60	1.03	109	1.16E+03	0.422
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0006	-0.2	1.48E+05	0.65	1.10	4.88	1.16E+03	0.395
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	8.06E+06	0.61	1.03	264	1.16E+03	0.374
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0007	0	1.18E+05	0.63	0.93	4.32	1.16E+03	0.459
PCB-126 33'44'5'-PeCB	34.82	J	1.0005	1.0002	-0.6	3.14E+04	0.70	1.11	0.673	1.91E+03	0.428
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0002	-0.7	9.16E+05	1.30	1.05	35.3	1.41E+03	0.725
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0005	-0.2	2.89E+05	1.23	1.08	10.2	1.41E+03	0.479
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.41E+03	0.593
PCB-189 233'44'55'-HpCB	42.24		1.0005	1.0005	0	7.13E+04	0.95	1.11	1.73	1.44E+03	0.367
PCB-209 DeCB	47.23		1.0004	1.0004	0	1.91E+05	1.11	1.05	10.7	1.11E+03	0.927
ES PCB-1	9.84		0.7181	0.7176	-0.3	8.04E+06	3.44	1.01	52.1 %	4%	100%
ES PCB-3	11.77		0.8583	0.8582	-0.1	8.56E+06	3.32	1.05	53.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	4.44E+06	1.68	0.70	41.7 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.38E+07	1.64	1.17	77.6 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	4.97E+06	1.04	0.57	57.5 %	1%	108%
ES PCB-37	23.09	V	1.0865	1.0874	+1.2	1.10E+07	1.14	1.41	124 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	6.64E+06	0.77	1.32	80.2 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3781	+0.7	1.15E+07	0.79	1.22	151 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3561	+0.7	1.20E+07	0.81	1.15	167 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	5.60E+06	1.58	1.69	58.9 %	36%	115%
ES PCB-105	32.20		1.1906	1.1904	-0.4	6.93E+06	1.65	1.21	102 %	50%	111%
ES PCB-114	31.67		1.1709	1.1708	-0.2	6.77E+06	1.72	1.23	97.7 %	41%	121%
ES PCB-118	31.23		1.1547	1.1545	-0.4	7.25E+06	1.61	1.25	104 %	49%	111%
ES PCB-123	30.95		1.1444	1.1443	-0.2	7.22E+06	1.64	1.33	96.7 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2871	0	1.03E+07	1.68	1.36	135 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	6.49E+06	1.29	1.40	102 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1037	+0.4	1.22E+07	1.29	1.13	119 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	6.46E+06	1.28	1.13	126 %	45%	118%
ES PCB-169	40.09		1.1842	1.1845	+0.7	5.97E+06	1.31	1.14	115 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7202	-0.4	5.03E+06	1.06	1.34	82.9 %	23%	125%
ES PCB-189	42.22	V	0.9598	0.9598	0	9.12E+06	1.06	1.77	132 %	47%	116%
ES PCB-202	36.19		0.8230	0.8228	-0.4	5.02E+06	0.87	1.27	87.3 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	5.38E+06	0.94	1.25	110 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.85		1.0424	1.0424	0	3.46E+06	0.82	1.07	82.7 %	38%	122%
ES PCB-208	41.81		0.9508	0.9506	-0.5	4.77E+06	0.80	1.34	90.8 %	31%	126%
ES PCB-209	47.21		1.0732	1.0732	0	4.17E+06	1.21	1.18	89.9 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9269	0	1.14E+07	1.12	0.98	106 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0842	-0.2	7.70E+06	1.68	0.90	119 %	57%	112%
CS/SS PCB-178	34.25		1.0118	1.0119	+0.2	3.50E+06	1.07	0.65	108 %	57%	125%
CS PCB-28	19.68		0.9269	0.9269	0	1.14E+07	1.12	1.39	131 %	14%	131%
CS PCB-111	29.33	V	1.0843	1.0842	-0.2	7.70E+06	1.68	1.19	115 %	57%	112%
CS PCB-178	34.25		1.0118	1.0119	+0.2	3.50E+06	1.07	0.87	89.2 %	57%	125%
JS PCB-9	13.72					1.52E+07	1.65				
JS PCB-52	21.23					6.26E+06	0.78				
JS PCB-101	27.05					5.63E+06	1.56				
JS PCB-138	33.84					4.52E+06	1.26				
JS PCB-194	43.99					3.92E+06	0.87				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	34	34	0.376		
						Di-CBs	166	166	1.59		
						Tri-CBs	426	431	0.973		
						Tetra-CBs	839	842	0.263		
						Penta-CBs	1,510	1,520	0.387		
						Hexa-CBs	1,200	1,200	0.5		
						Hepta-CBs	289	295	0.513		
						Octa-CBs	81.3	96.7	0.847		
						Nona-CBs	25.5	25.5	0.857		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	5.34E+05	3.21	1.20	13.6	2.65E+03	0.337
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	2.90E+05	3.41	1.25	6.64	2.65E+03	0.375
PCB-3 4-MoCB	11.78		1.0010	1.0010	0	5.42E+05	3.21	1.13	13.7	2.65E+03	0.415
PCB-4 22'-DiCB	11.99		1.0012	1.0011	-0.1	1.26E+05	SI	0.94	7.37	3.42E+03	1.18
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.04E+04	2.05
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	9.16E+04	SI	0.92	1.76	4.71E+03	0.763
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.04	ND	1.34E+04	1.93
PCB-6 23'-DiCB	14.08		1.0261	1.0261	0	4.37E+05	1.45	1.01	7.69	1.34E+04	2
PCB-5 23-DiCB	14.34	J	1.0451	1.0451	0	4.89E+04	SI	0.99	0.878	4.71E+03	0.714
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	1.97E+06	1.47	1.03	33.8	1.34E+04	1.95
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.34E+04	1.75
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	3.81E+06	1.55	0.95	70.7	1.34E+04	2.11
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9846	-0.9	3.72E+05	1.57	0.98	6.74	1.34E+04	2.06
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	2.13E+06	1.52	1.01	37.5	1.34E+04	2

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69	EMPC	1.0011	1.0013	+0.2	4.72E+04	0.83	1.01	2.31	2.43E+03	0.837
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1116	+0.6	1.02E+06	1.06	1.24	40.4	2.43E+03	0.68
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	4.32E+05	1.02	1.05	20.4	2.43E+03	0.807
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	1.07E+05	1.05	1.39	3.78	2.43E+03	0.608
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	2.43E+03	0.636
PCB-16 22'3-TrCB	17.05		1.1612	1.1616	+0.4	3.38E+05	1.00	0.83	20	2.43E+03	1.02
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	5.13E+05	1.06	1.50	16.9	2.43E+03	0.565
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	5.93E+03	0.975
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	5.93E+03	0.931
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8220	-1.8	8.30E+05	1.04	1.42	13.1	5.93E+03	0.938
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	4.23E+05	1.03	1.42	6.65	5.93E+03	0.933
PCB-31 24'5-TrCB	19.45		0.8430	0.8423	-0.8	5.28E+06	1.04	1.48	79.9	5.93E+03	0.899
PCB-28/20 244' /233' -TrCB	19.70	C	0.8542	0.8532	-1.2	6.78E+06	1.07	1.41	107	5.93E+03	0.94
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	2.71E+06	1.07	1.43	42.3	5.93E+03	0.926
PCB-22 234'-TrCB	20.22		0.8766	0.8759	-0.8	1.85E+06	1.04	1.34	31	5.93E+03	0.994
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	5.93E+03	0.957
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	5.93E+03	0.924
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	5.93E+03	1.04
PCB-35 33'4-TrCB	22.76	EMPC	0.9860	0.9859	-0.1	1.70E+05	1.49	1.28	2.98	5.93E+03	1.04
PCB-37 344'-TrCB	23.11		1.0008	1.0009	+0.1	2.39E+06	1.11	1.20	44.6	5.93E+03	1.11
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.33E+02	0.17
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	2.11E+05	0.79	0.80	5.38	6.01E+02	0.163
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	1.81E+05	0.75	0.68	5.41	6.01E+02	0.191
PCB-51 22'46'-TeCB	19.84	EMPC	0.9340	0.9342	+0.2	5.20E+04	0.63	0.81	1.31	6.01E+02	0.161
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	7.03E+04	0.74	0.66	2.18	6.01E+02	0.198
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	3.78E+06	0.78	0.73	105	6.01E+02	0.177
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	6.01E+02	0.135
PCB-43 22'35-TeCB	21.45		1.0106	1.0104	-0.3	6.65E+04	0.82	0.67	2.03	6.01E+02	0.195
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	1.90E+06	0.76	0.90	43	6.01E+02	0.144
PCB-48 22'45-TeCB	21.92		1.0319	1.0324	+0.7	4.08E+05	0.84	0.74	11.2	6.01E+02	0.176
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0408	-1.1	2.72E+06	0.79	0.80	69	6.01E+02	0.162
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0543	+0.3	2.48E+05	0.77	1.01	5.01	6.01E+02	0.129
PCB-42 22'34'-TeCB	22.54		1.0612	1.0616	+0.5	5.63E+05	0.81	0.71	16.2	6.01E+02	0.184
PCB-41 22'34-TeCB	22.85		1.0759	1.0763	+0.5	1.24E+05	0.76	0.62	4.07	6.01E+02	0.21
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0813	+1.0	1.16E+06	0.78	0.77	30.8	6.01E+02	0.17
PCB-64 234'6-TeCB	23.16		1.0899	1.0906	+1.0	1.41E+06	0.79	1.07	26.7	6.01E+02	0.121
PCB-72 23'55'-TeCB	23.92		0.8295	0.8307	+1.7	9.86E+04	0.85	1.28	1.57	2.24E+03	0.38
PCB-68 23'45'-TeCB	24.17	J	0.8379	0.8394	+2.2	5.49E+04	0.81	1.33	0.839	2.24E+03	0.365
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	2.24E+03	0.405
PCB-58 233'5'-TeCB	24.61		0.8568	0.8548	-3.0	1.99E+05	0.76	1.20	3.39	2.24E+03	0.406
PCB-67 23'45-TeCB	24.87		0.8620	0.8636	+2.4	2.17E+05	0.82	1.23	3.6	2.24E+03	0.396
PCB-63 234'5-TeCB	25.08		0.8697	0.8710	+2.0	2.86E+05	0.76	1.32	4.42	2.24E+03	0.368
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8807	+2.3	1.53E+07	0.79	1.23	253	2.24E+03	0.394
PCB-66 23'44'-TeCB	25.61		0.8888	0.8895	+1.1	8.09E+06	0.79	1.16	143	2.24E+03	0.42
PCB-55 233'4-TeCB	25.74		0.8932	0.8939	+1.1	1.08E+05	0.71	1.17	1.87	2.24E+03	0.413

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PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.27E+06	0.77	1.15	58	2.24E+03	0.423
PCB-60 2344'-TeCB	26.34		0.9144	0.9147	+0.5	1.75E+06	0.77	1.21	29.4	2.24E+03	0.402
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.24E+03	0.362
PCB-79 33'45'-TeCB	27.97	EMPC	0.9718	0.9715	-0.5	9.50E+04	0.96	1.26	1.54	2.24E+03	0.386
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.24E+03	0.467
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.88E+02	0.245
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	5.88E+02	0.241
PCB-103 22'45'6'-PeCB	24.07	EMPC	0.8883	0.8898	+2.2	3.13E+04	0.74	0.86	1.23	1.16E+03	0.492
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	1.16E+03	0.562
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9099	+2.5	3.15E+06	0.61	0.83	129	1.16E+03	0.513
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	1.16E+03	0.512
PCB-102 22'456'-PeCB	24.93		0.9198	0.9214	+2.4	1.15E+05	0.69	0.98	4.01	1.16E+03	0.435
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	1.16E+03	0.592
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	1.16E+03	0.576
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9364	+1.8	5.51E+05	0.65	0.90	20.7	1.16E+03	0.47
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9425	+1.4	9.41E+05	0.62	0.71	45.4	1.16E+03	0.602
PCB-89 22'346'-PeCB	25.90	EMPC	0.9567	0.9573	+0.9	3.54E+04	0.75	0.74	1.63	1.16E+03	0.575
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	1.16E+03	0.398
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	8.69E+05	0.61	0.74	39.6	1.16E+03	0.57
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0009	+1.6	5.76E+06	0.61	0.88	224	1.16E+03	0.485
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0148	-0.3	2.03E+05	0.60	0.64	10.7	1.16E+03	0.66
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	2.81E+06	0.63	0.78	122	1.16E+03	0.544
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	1.16E+03	0.411
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0356	+1.5	4.01E+06	0.61	0.90	152	1.16E+03	0.472
PCB-117 234'56'-PeCB	28.51		1.0539	1.0539	0	1.53E+05	0.63	0.71	7.29	1.16E+03	0.595
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	9.91E+05	0.62	1.00	33.7	1.16E+03	0.425
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	8.18E+06	0.62	0.99	280	1.16E+03	0.428
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0649	+0.9	1.35E+05	0.66	1.00	4.57	1.16E+03	0.423
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	5.26E+05	0.63	0.65	27.7	1.16E+03	0.657
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	1.16E+03	0.409
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	1.16E+03	0.408
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9911	+0.4	2.68E+05	0.64	0.96	9.5	1.16E+03	0.443
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	5.34E+05	0.61	0.98	18.6	1.16E+03	0.434
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	1.16E+03	0.454
PCB-122 233'4'5'-PeCB	31.52		1.0095	1.0091	-0.8	7.55E+04	0.68	0.97	2.83	1.16E+03	0.448
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	1.16E+03	0.46
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.70E+02	0.202
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.70E+02	0.214
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.70E+02	0.209
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	5.68E+05	1.34	0.92	23.3	5.70E+02	0.231
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.70E+02	0.224
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.70E+02	0.296
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.27E+06	1.35	0.70	68.8	5.70E+02	0.305
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1067	0	6.59E+04	1.21	0.78	3.19	5.70E+02	0.273
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1157	-0.2	1.87E+05	1.21	0.70	10.1	5.70E+02	0.305

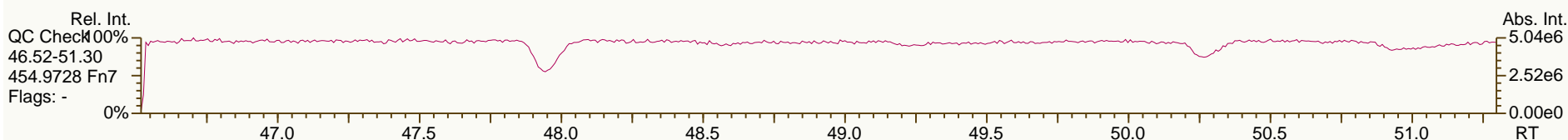
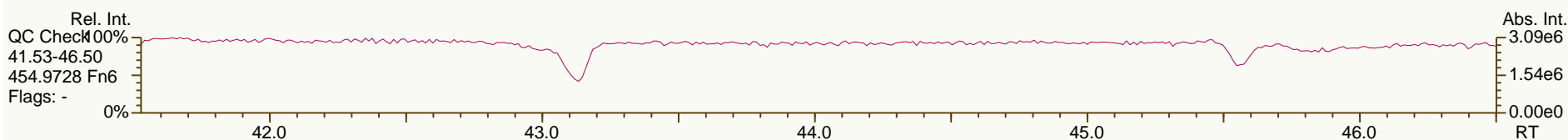
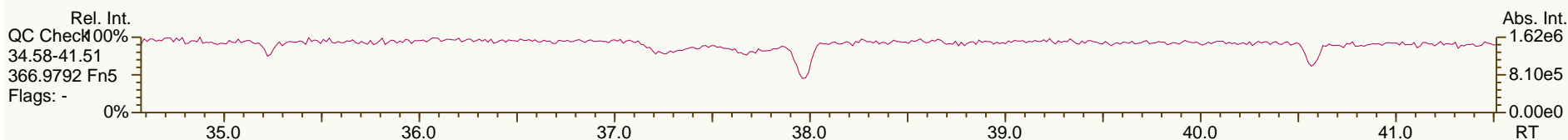
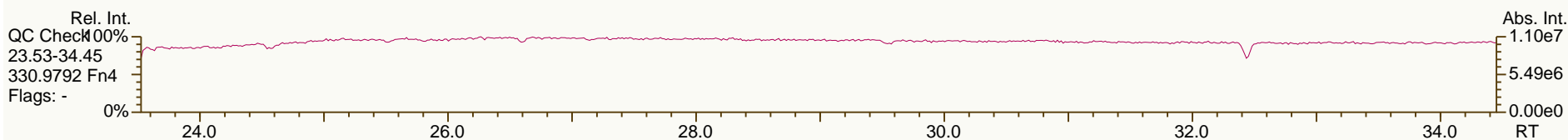
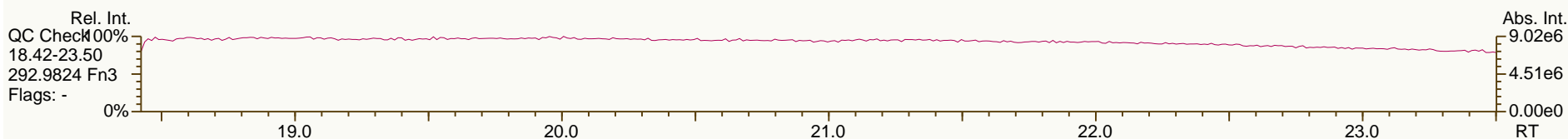
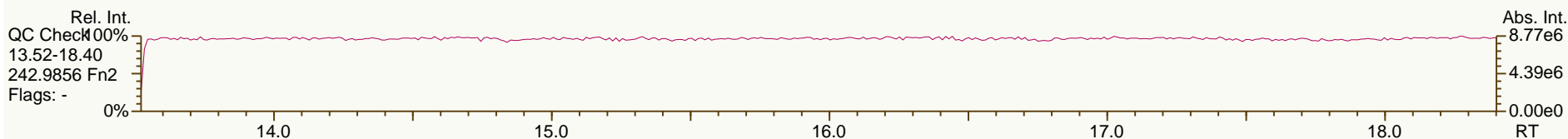
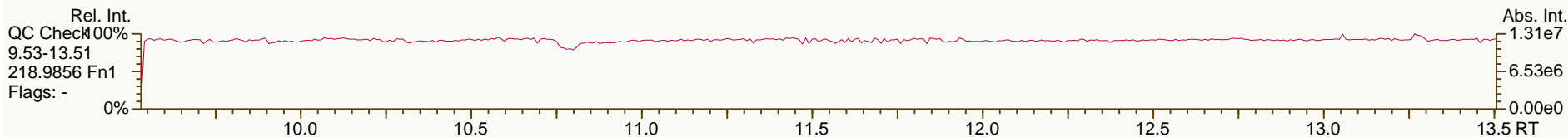
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PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1266	-0.5	3.39E+06	1.29	0.72	179	5.70E+02	0.297
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1323	-0.5	2.27E+05	1.43	0.59	14.7	5.70E+02	0.364
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	5.70E+02	0.321
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1453	-0.9	1.05E+05	1.36	0.73	5.44	5.70E+02	0.292
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1516	0	5.34E+04	1.41	0.61	3.31	5.70E+02	0.35
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.70E+02	0.345
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1653	-0.4	1.42E+06	1.31	0.64	83.9	5.70E+02	0.334
PCB-133 22'33'55"-HxCB	31.78		1.1826	1.1825	-0.2	8.11E+04	1.12	0.64	4.79	5.70E+02	0.333
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.70E+02	0.272
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	8.27E+05	1.34	0.68	46.3	5.70E+02	0.316
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.70E+02	0.244
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9703	-1.2	5.07E+06	1.29	0.89	216	5.70E+02	0.24
PCB-141 22'34'55"-HxCB	32.99		0.9746	0.9747	+0.2	7.31E+05	1.33	0.65	42.5	5.70E+02	0.328
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9846	-0.2	3.14E+05	1.25	0.58	20.5	5.70E+02	0.367
PCB-137 22'34'4'5"-HxCB	33.52		0.9904	0.9904	0	2.81E+05	1.37	0.66	16.1	5.70E+02	0.323
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	4.20E+05	1.20	0.89	17.9	5.70E+02	0.24
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	6.19E+06	1.27	0.72	327	5.70E+02	0.298
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.70E+02	0.249
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	7.46E+05	1.27	0.93	30.2	5.70E+02	0.228
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	1.10E+06	1.34	0.99	42.3	1.41E+03	0.524
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.41E+03	0.492
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9895	-0.2	2.95E+04	1.15	1.12	1	1.41E+03	0.462
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.40E+02	0.295
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0089	0	3.69E+05	1.02	1.04	17.4	6.40E+02	0.304
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	6.40E+02	0.313
PCB-176 22'33'466"-HpCB	32.70	EMPC	1.0324	1.0323	-0.2	9.46E+04	1.23	1.11	4.15	6.40E+02	0.283
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	6.40E+02	0.301
PCB-178 22'33'55'6"-HpCB	34.27		1.0816	1.0817	+0.2	1.73E+05	0.98	0.80	10.6	6.40E+02	0.393
PCB-175 22'33'45'6"-HpCB	34.80		1.0985	1.0986	+0.2	3.27E+04	0.96	0.97	1.65	1.43E+03	0.727
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	1.12E+06	1.02	1.03	53.1	1.43E+03	0.682
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.43E+03	0.686
PCB-183 22'34'4'5'6"-HpCB	35.55		1.1219	1.1222	+0.6	5.17E+05	0.99	1.08	23.5	1.43E+03	0.653
PCB-185 22'34'55'6"-HpCB	35.63	EMPC	1.1241	1.1248	+1.5	3.01E+04	1.80	0.93	1.58	1.43E+03	0.754
PCB-174 22'33'456"-HpCB	35.73		1.1276	1.1278	+0.4	6.65E+05	0.99	0.84	38.4	1.43E+03	0.832
PCB-177 22'33'45'6"-HpCB	36.09		1.1393	1.1394	+0.2	4.45E+05	1.13	0.83	26	1.43E+03	0.841
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.43E+03	0.746
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1561	+1.1	2.30E+05	1.01	0.84	13.3	1.43E+03	0.834
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	9.94E+04	0.97	0.61	4.41	1.43E+03	0.664
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.43E+03	0.509
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9132	+1.2	1.96E+06	1.02	0.84	62.7	1.43E+03	0.479
PCB-191 233'44'5'6"-HpCB	38.85		0.9203	0.9202	-0.2	3.77E+04	0.97	0.80	1.27	1.43E+03	0.504
PCB-170 22'33'44'5"-HpCB	39.60		0.9380	0.9379	-0.2	7.41E+05	1.04	0.70	28.6	1.43E+03	0.579
PCB-190 233'44'56"-HpCB	40.05		0.9486	0.9486	0	1.89E+05	1.08	0.78	6.51	1.43E+03	0.516
PCB-202 22'33'55'66"-OoCB	36.22		1.0006	1.0007	+0.2	1.15E+05	0.86	0.83	6.82	1.31E+03	0.831
PCB-201 22'33'45'66"-OoCB	36.99		1.0221	1.0220	-0.2	5.58E+04	0.80	0.99	2.76	1.31E+03	0.695

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	1.31E+03	0.745
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	1.31E+03	0.641
PCB-200 22'33'4566'-OcCB	37.82		1.0451	1.0450	-0.2	4.94E+04	0.92	0.86	2.82	1.31E+03	0.802
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1110	+1.9	3.99E+05	0.91	0.69	28.1	1.31E+03	0.989
PCB-196 22'33'44'56'-OcCB	40.76		1.1260	1.1263	+0.7	1.56E+05	0.94	0.70	10.9	1.31E+03	0.978
PCB-203 22'344'55'6-OcCB	40.93	EMPC	1.1306	1.1309	+0.7	2.40E+05	1.06	0.77	15.3	1.31E+03	0.898
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	1.13E+05	0.93	0.67	7.68	1.88E+03	1.41
PCB-194 22'33'44'55'-OcCB	44.01		0.9915	0.9915	0	3.62E+05	0.87	0.74	22.3	1.88E+03	1.27
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.88E+03	0.863
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0005	0	1.05E+05	0.80	0.98	5.56	1.03E+03	0.671
PCB-207 22'33'44'566'-NoCB	42.63		1.0192	1.0194	+0.5	4.16E+04	0.75	1.01	2.11	1.03E+03	0.645
PCB-206 22'33'44'55'6-NoCB	45.87		1.0004	1.0004	0	2.35E+05	0.72	0.93	17.9	1.03E+03	1.04

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 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

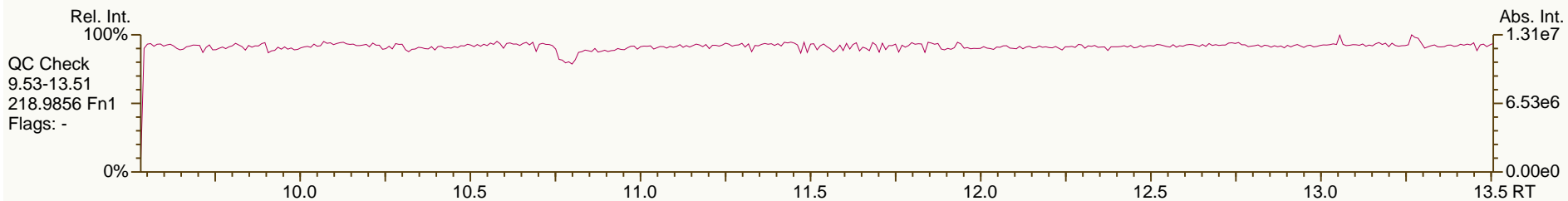
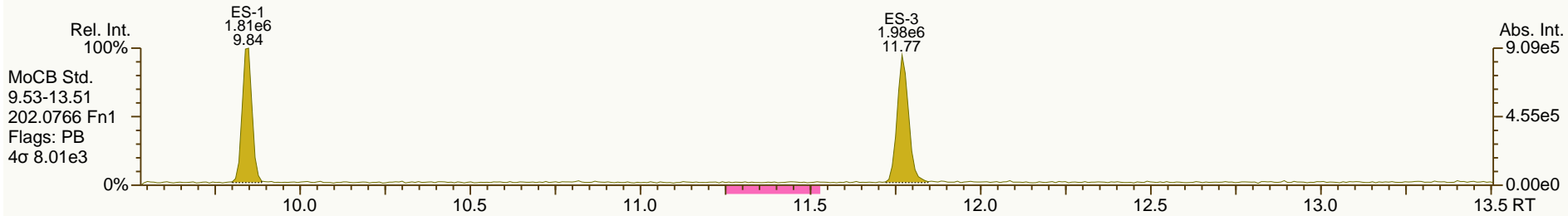
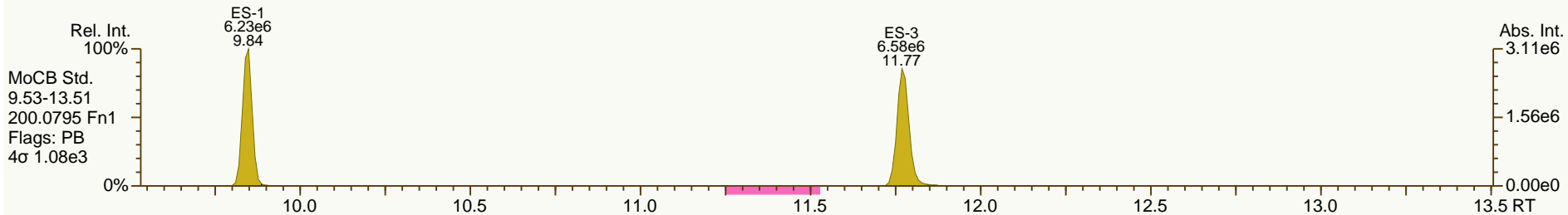
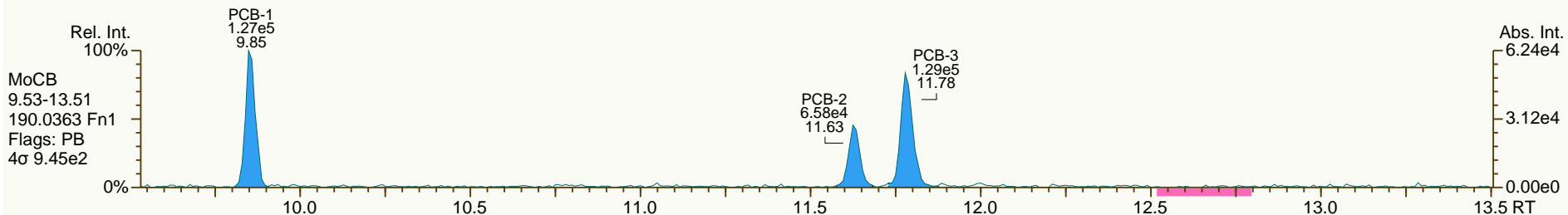
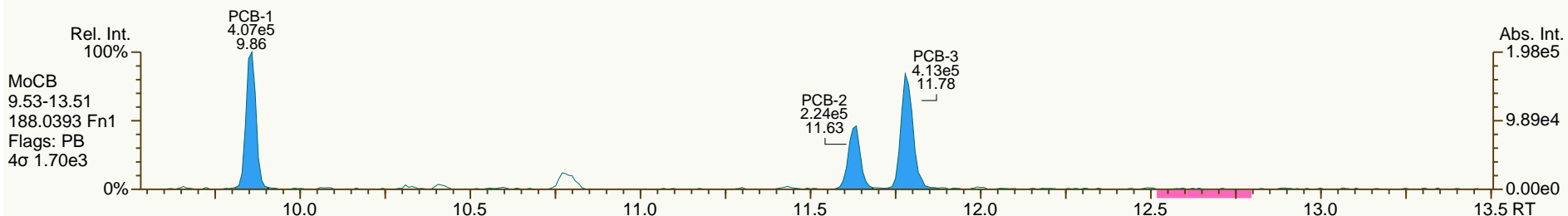
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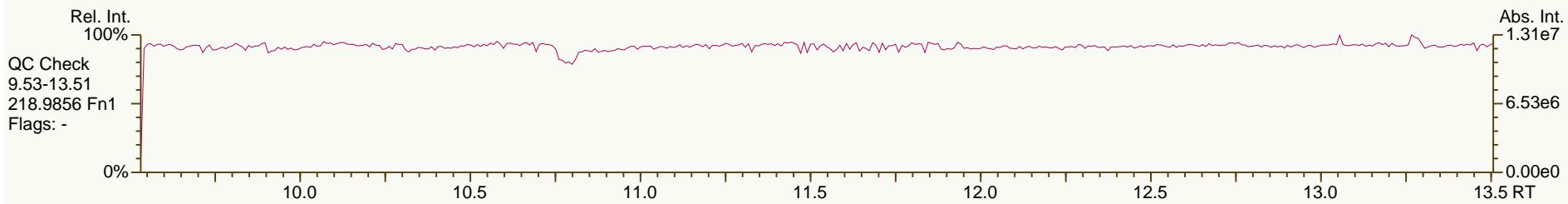
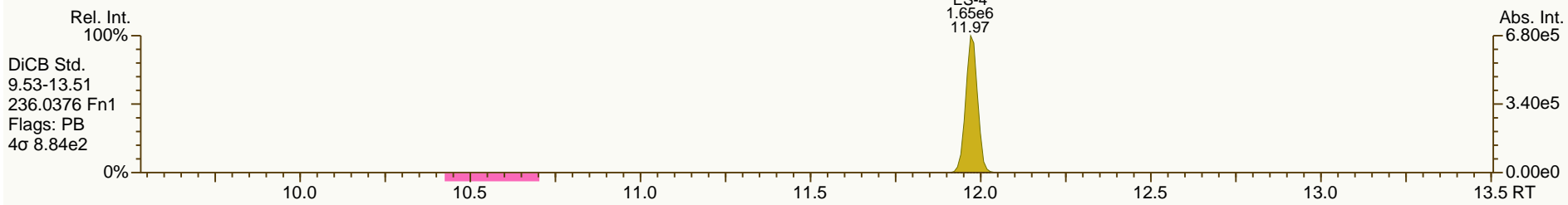
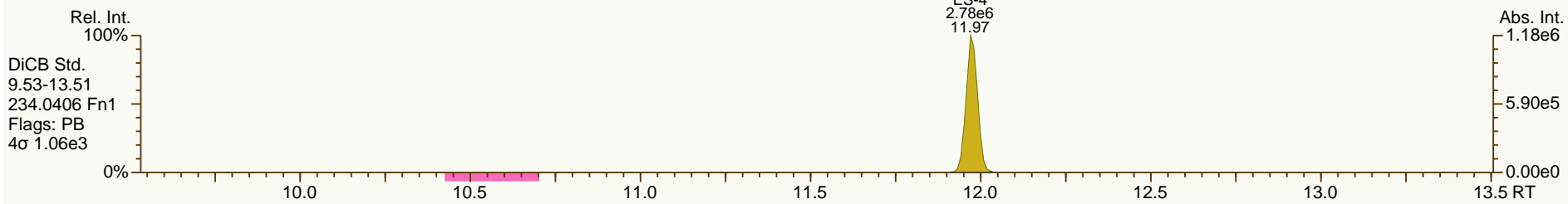
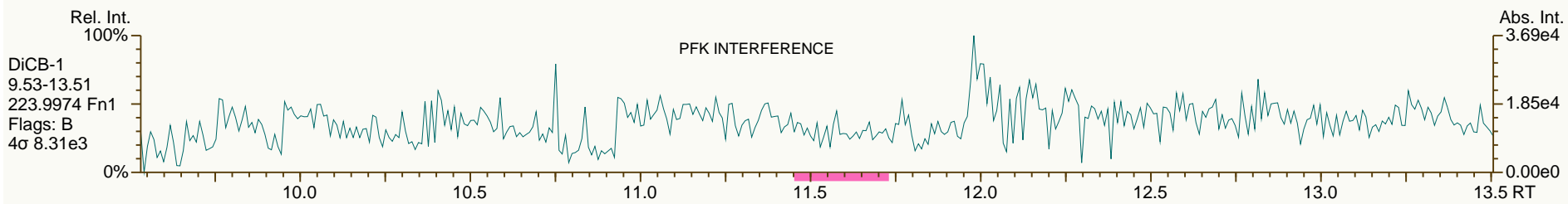
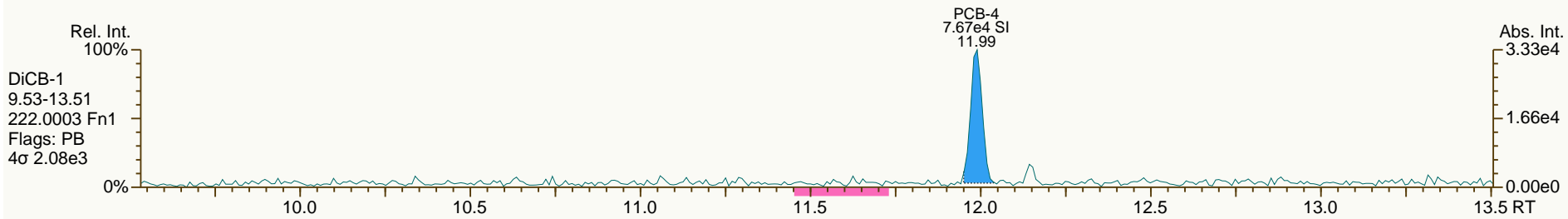
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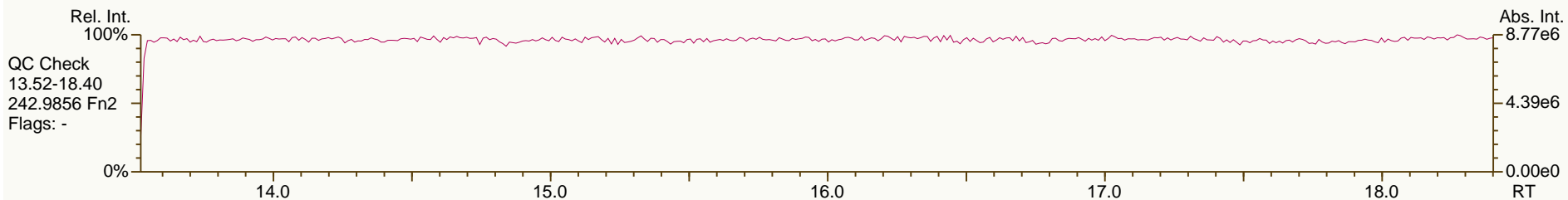
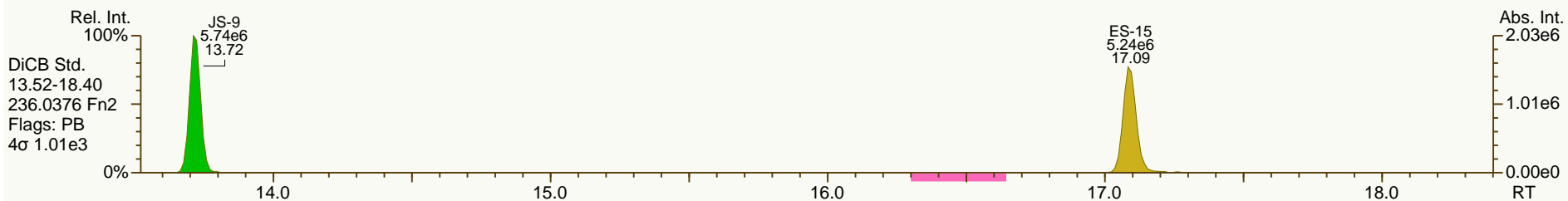
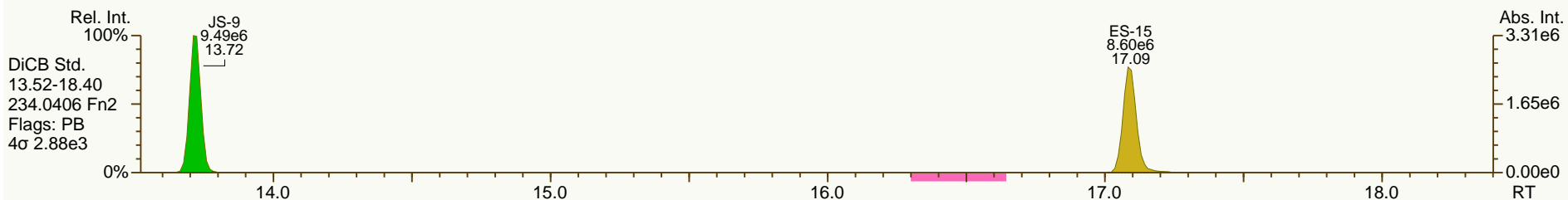
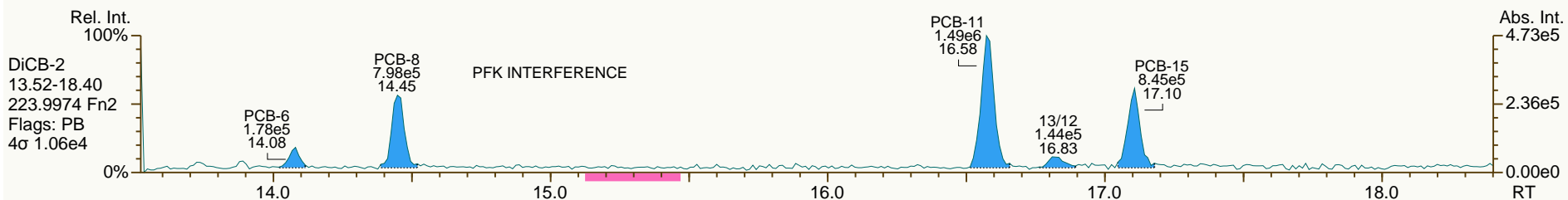
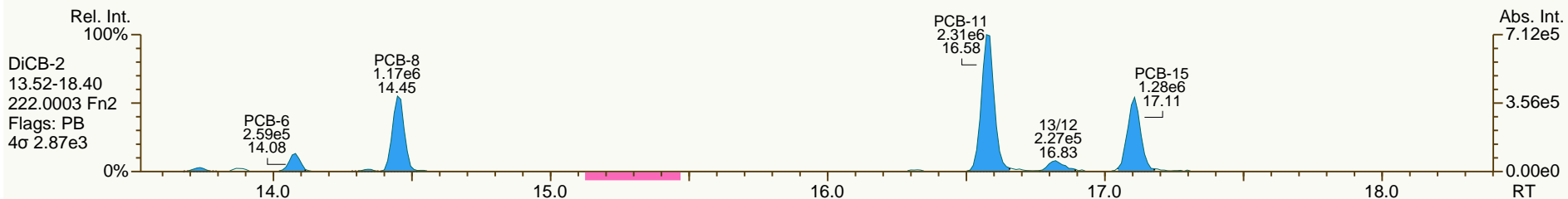
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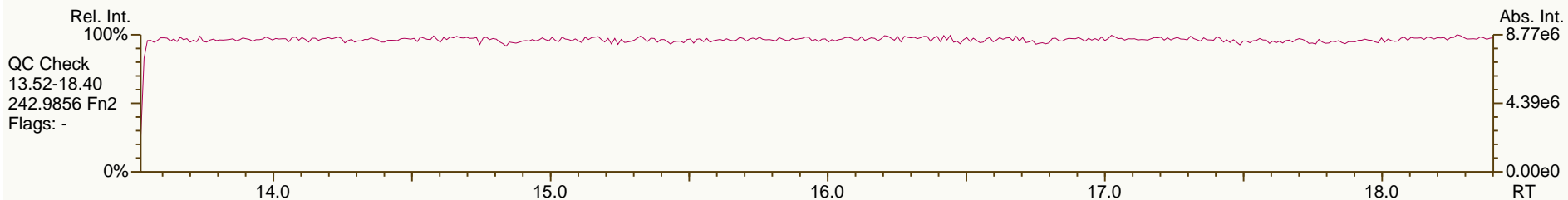
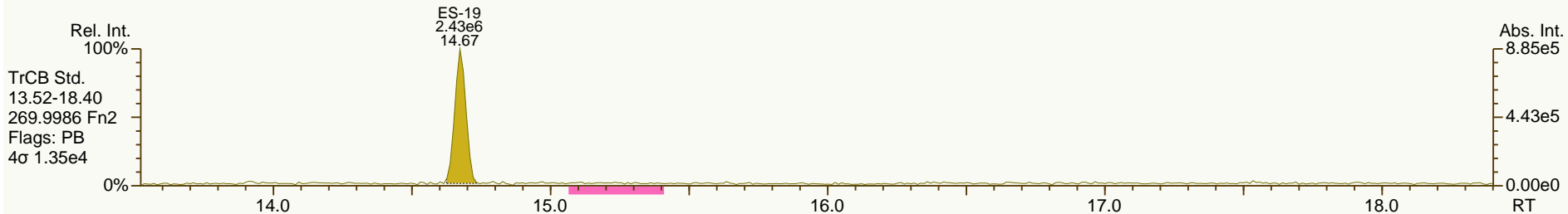
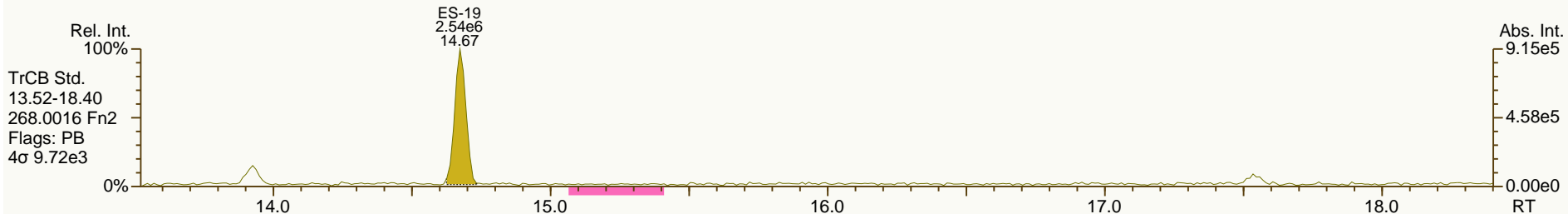
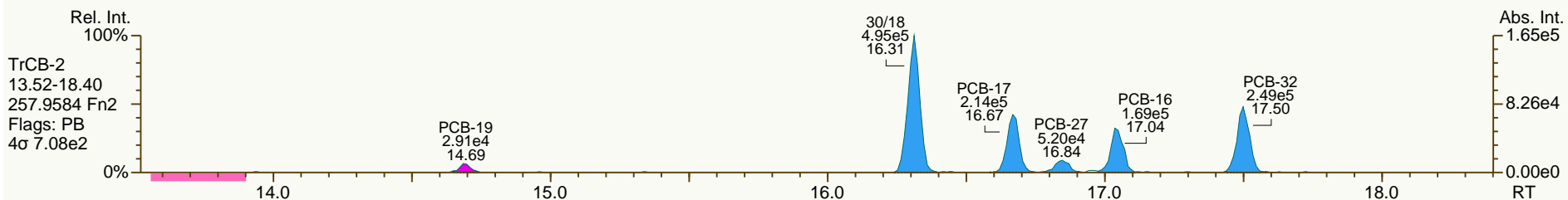
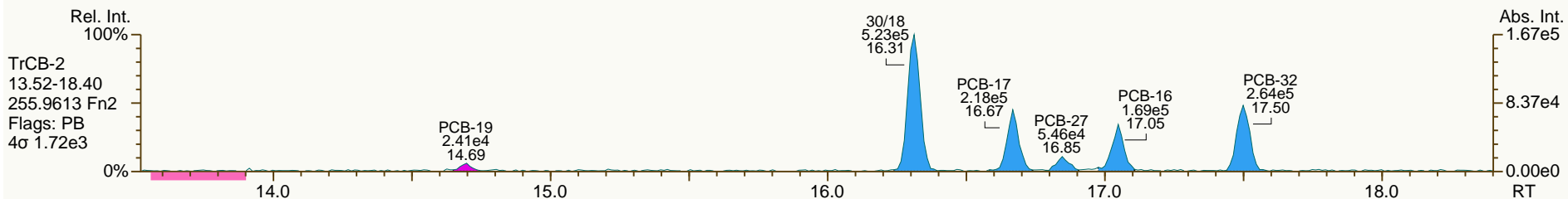
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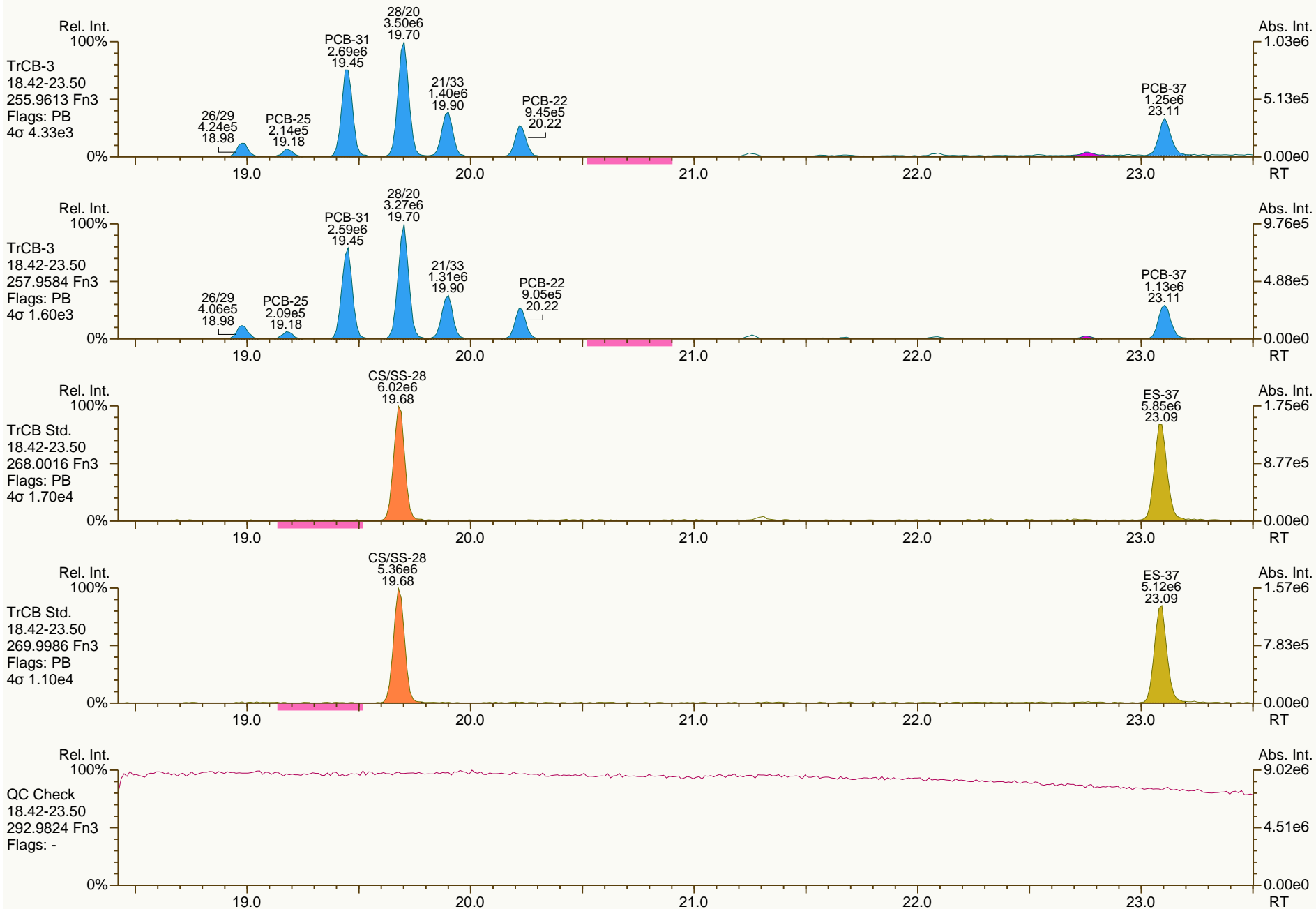
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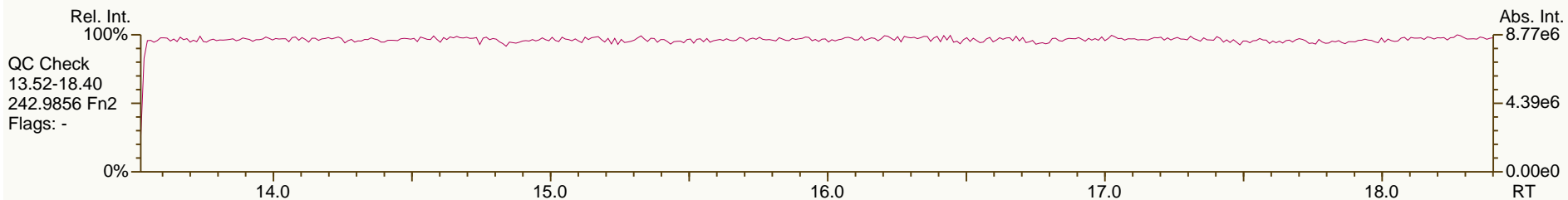
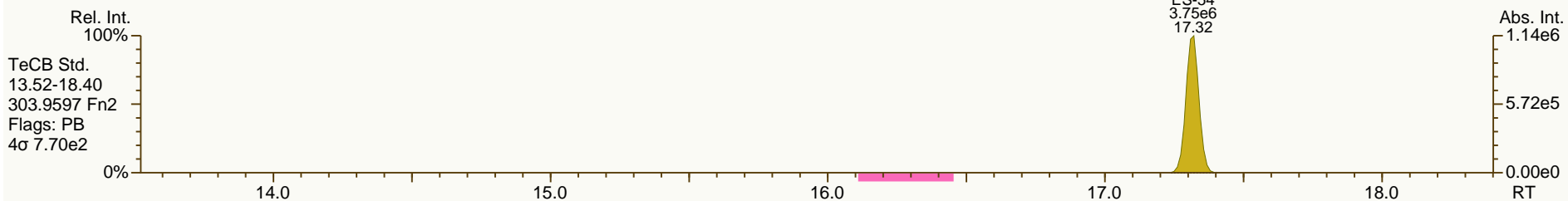
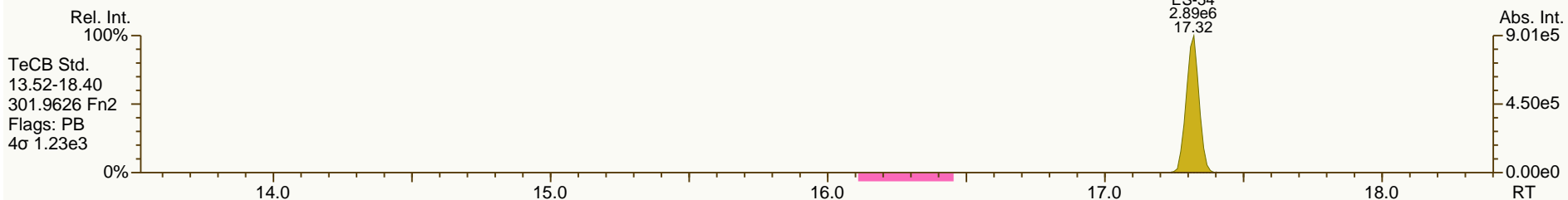
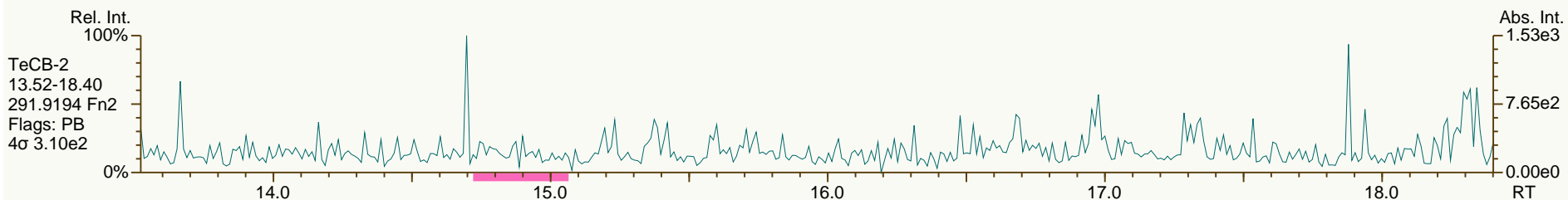
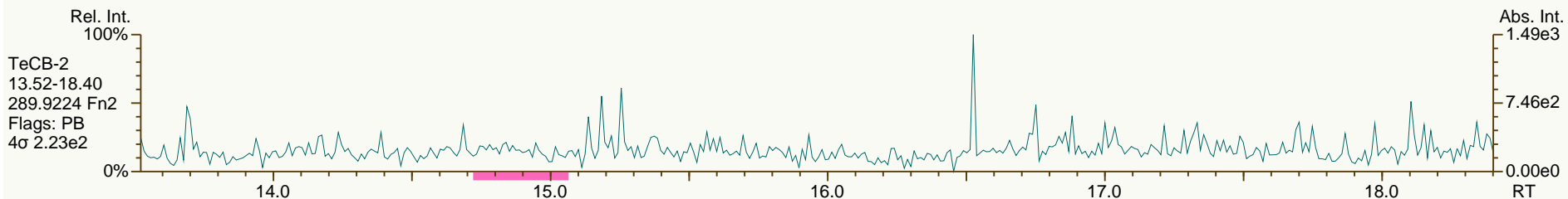
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

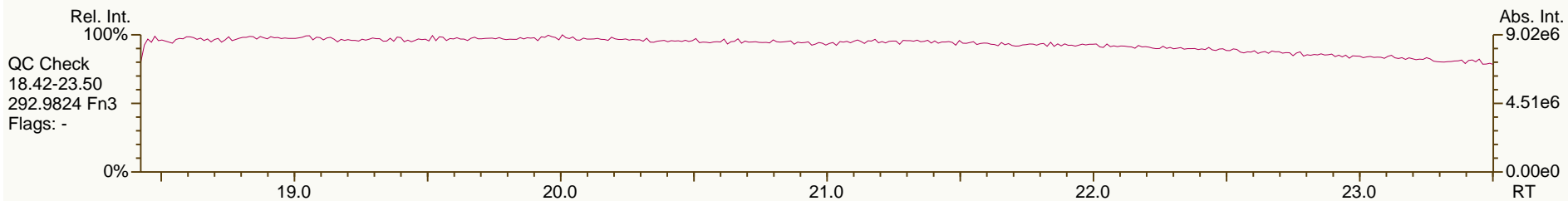
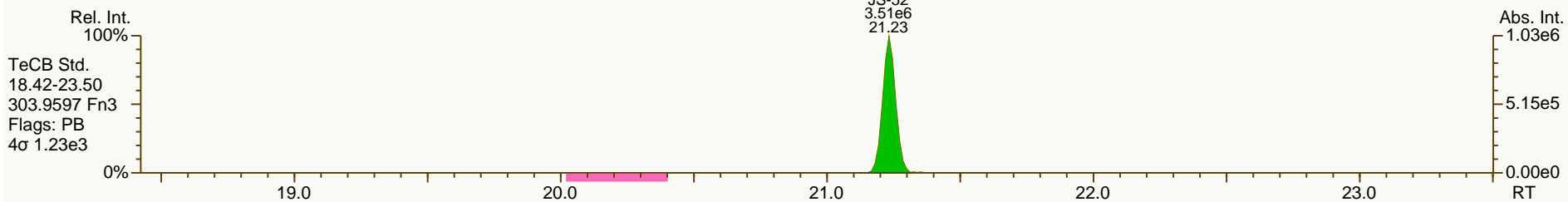
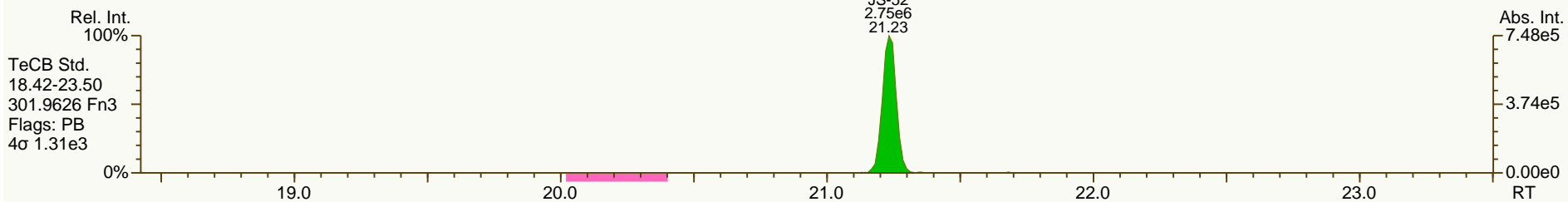
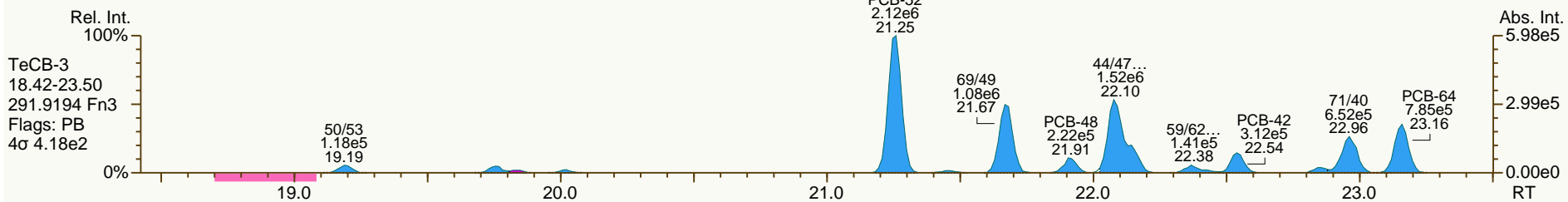
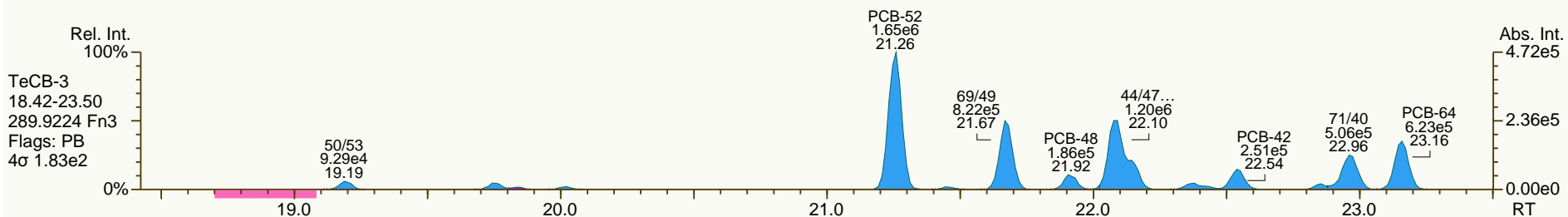
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

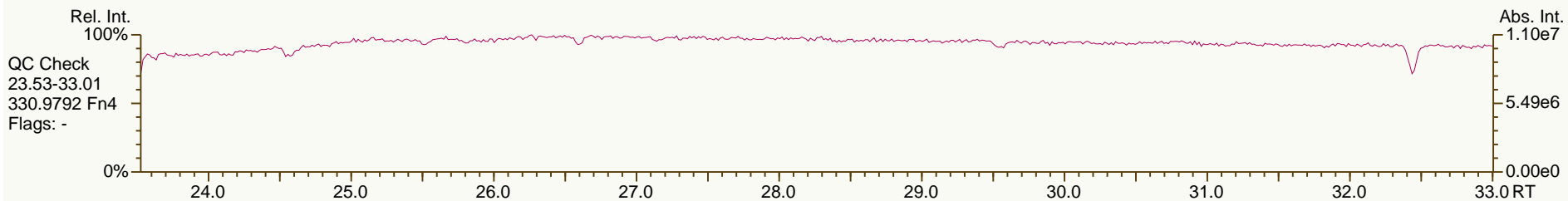
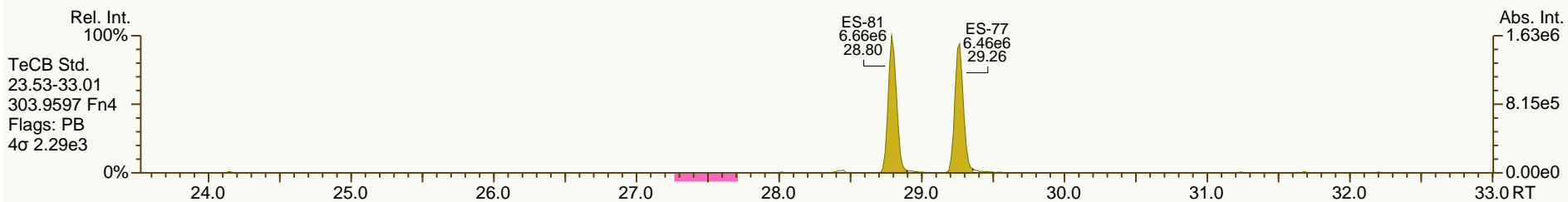
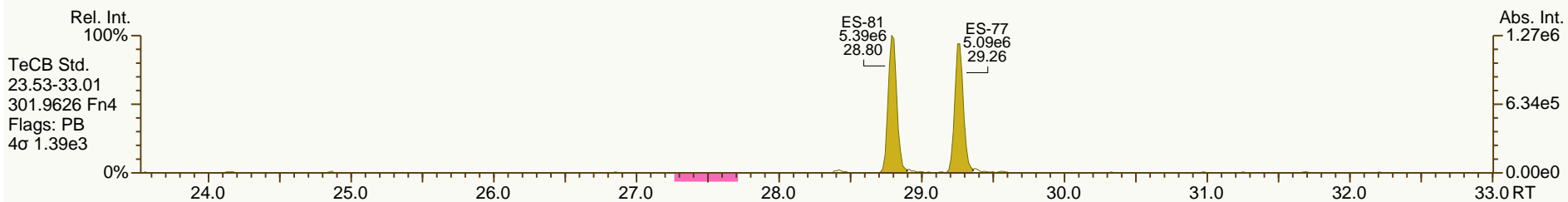
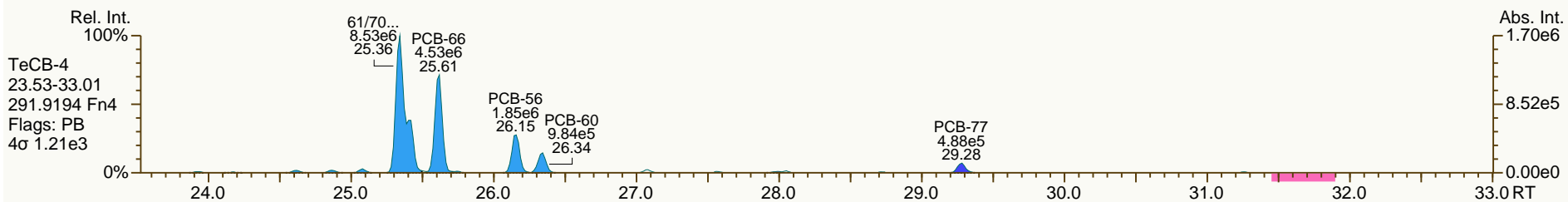
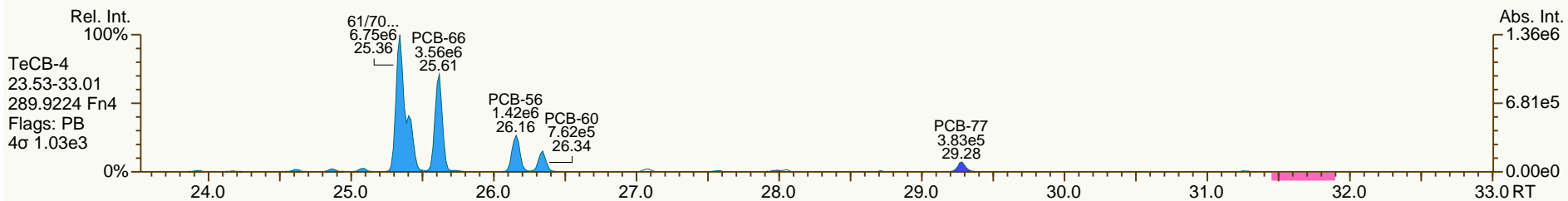
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
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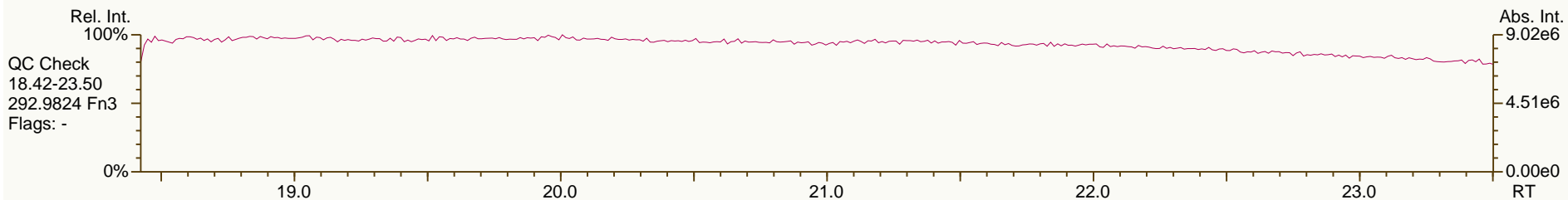
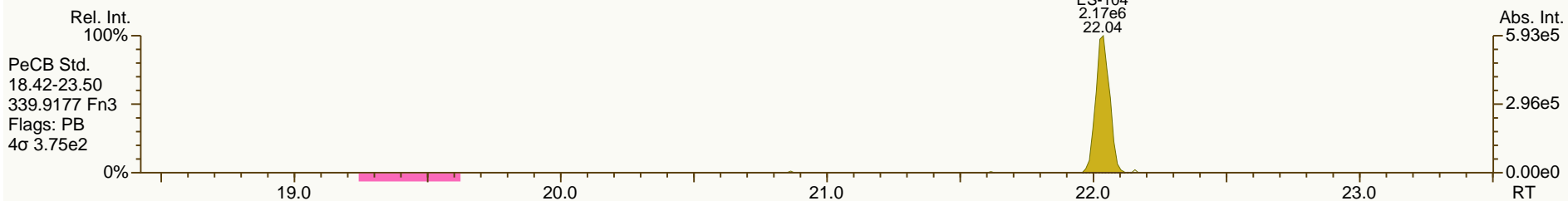
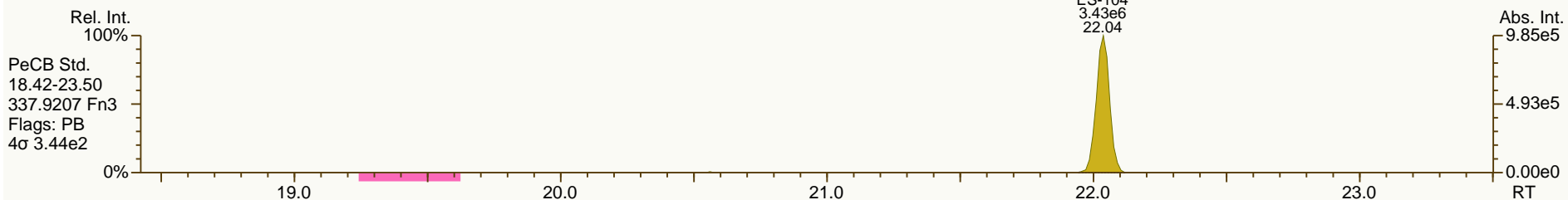
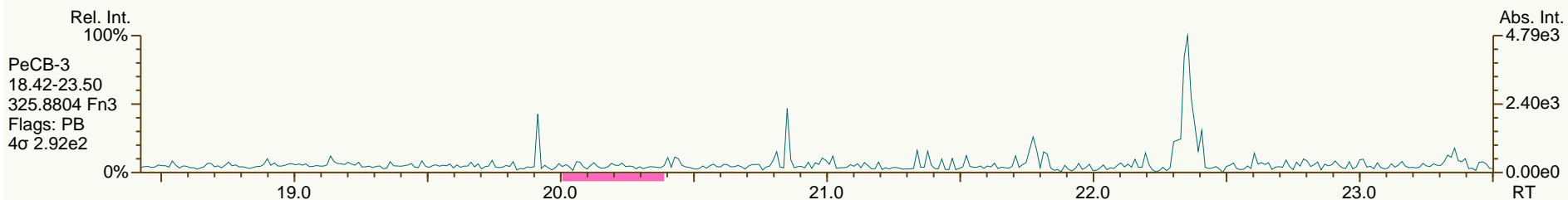
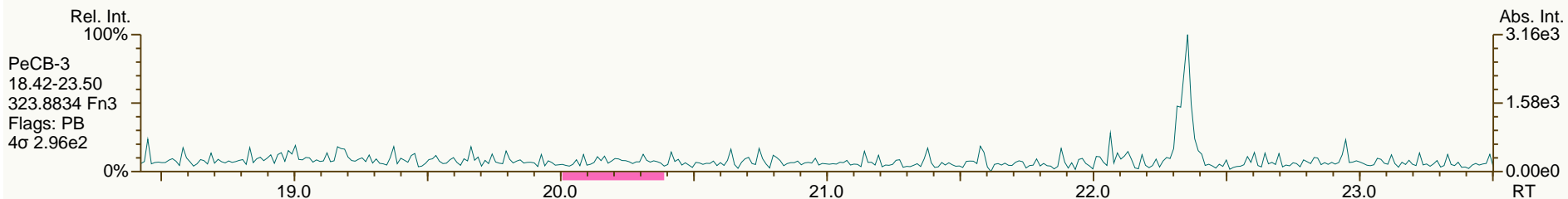
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
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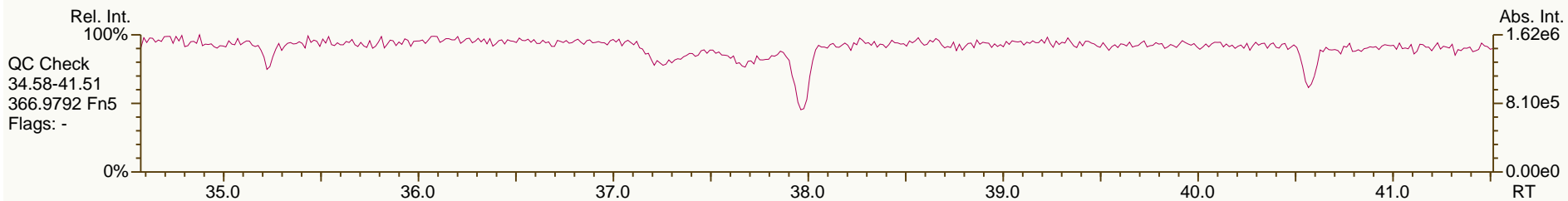
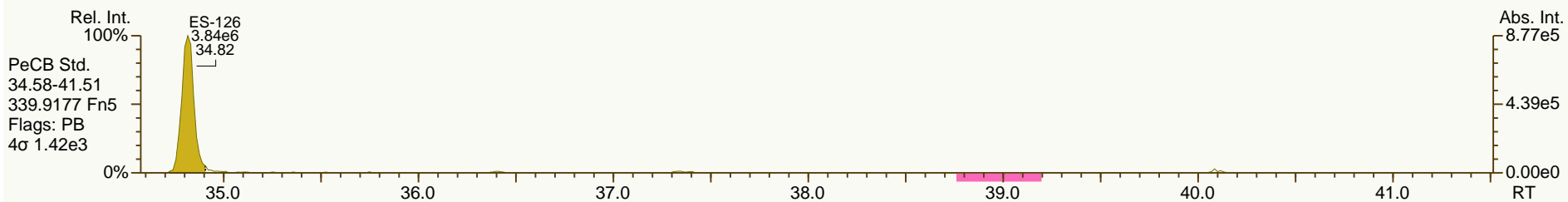
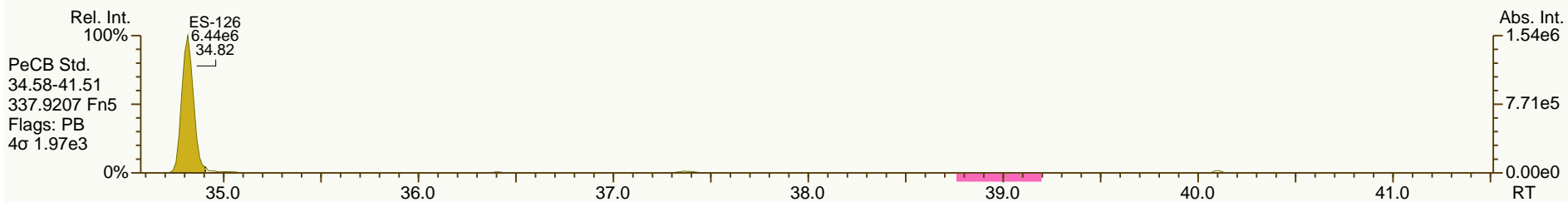
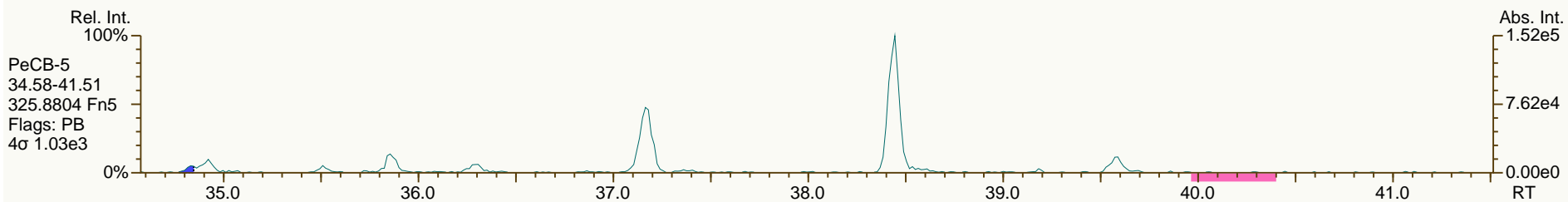
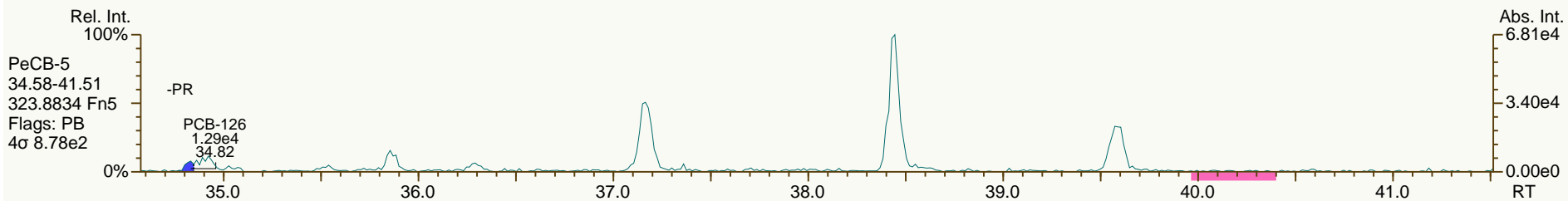
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
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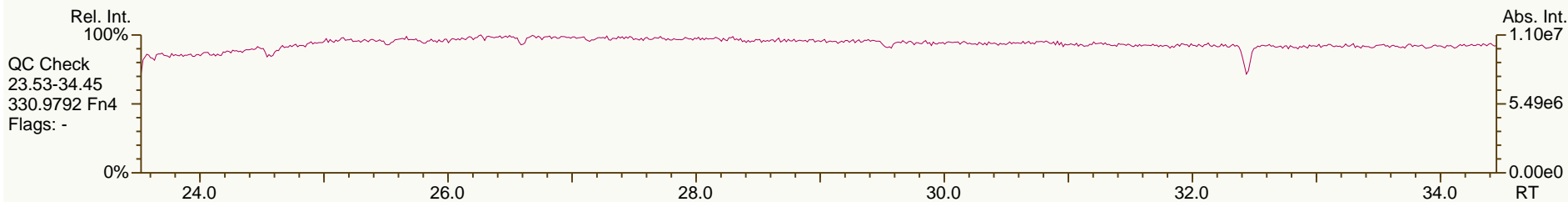
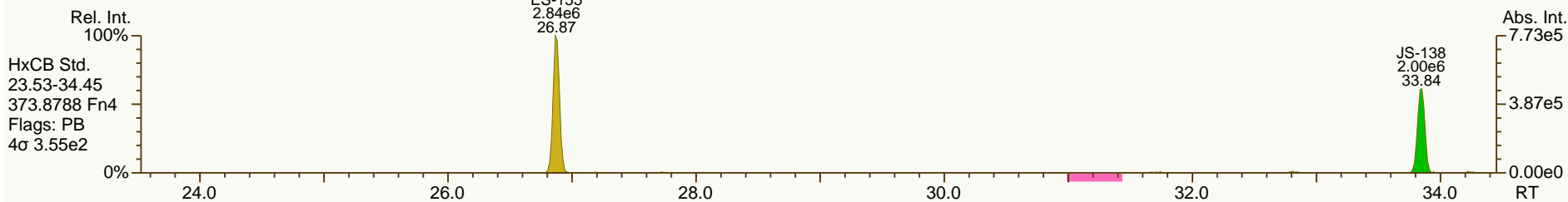
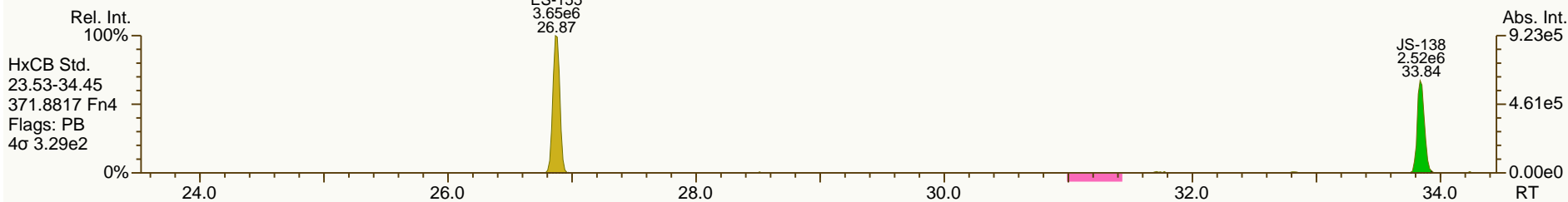
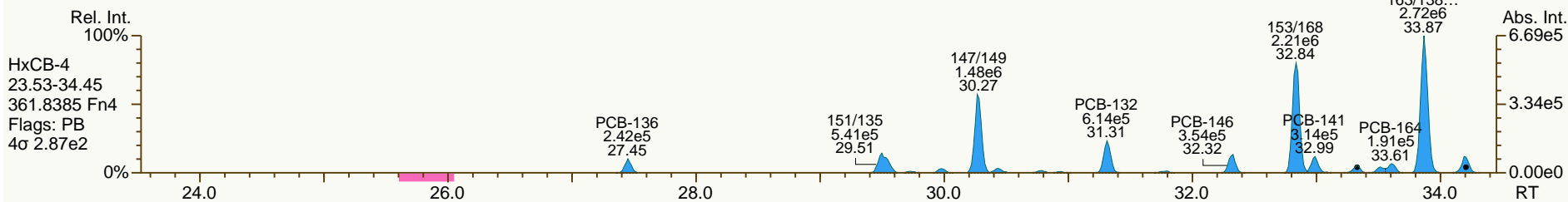
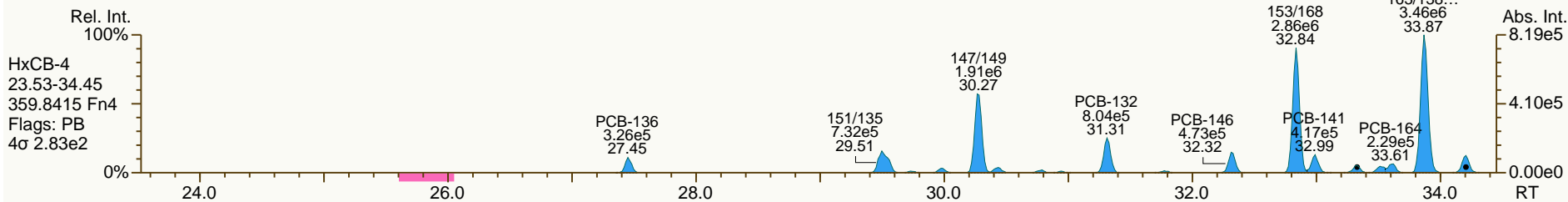
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

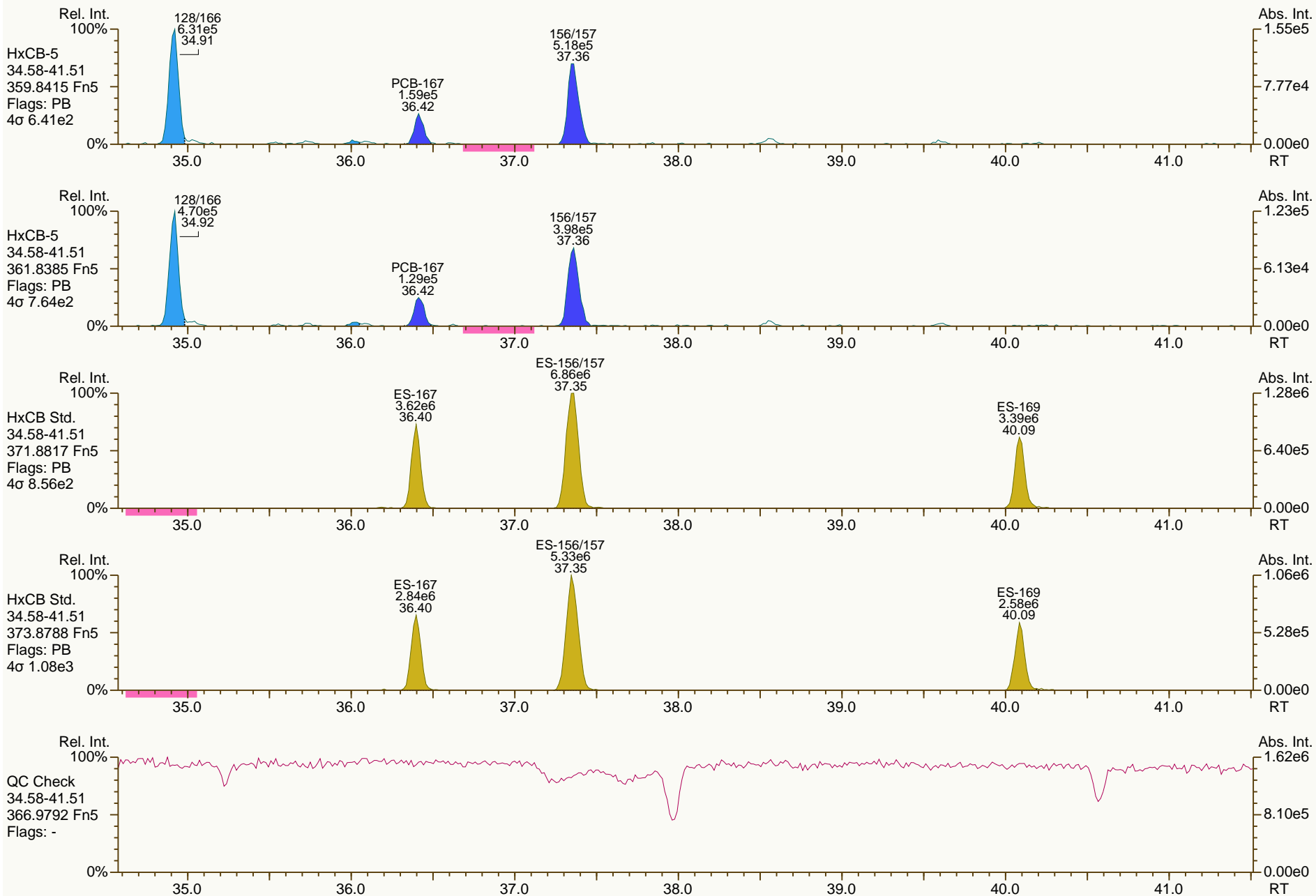
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AP Lab ID: A4371_9893_PCB_002-RJ
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Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

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AP Lab ID: A4371_9893_PCB_002-RJ
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Sample ID: JW-EA08-COMP-120507
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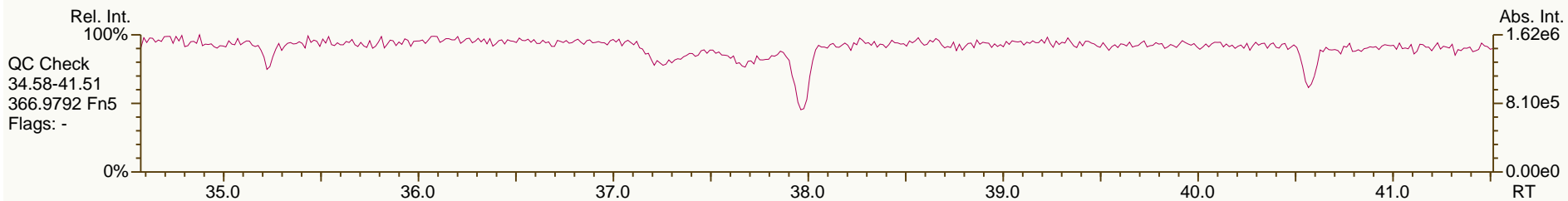
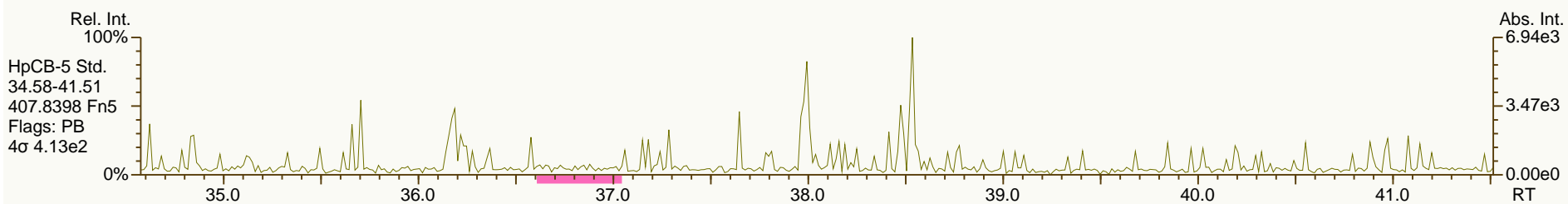
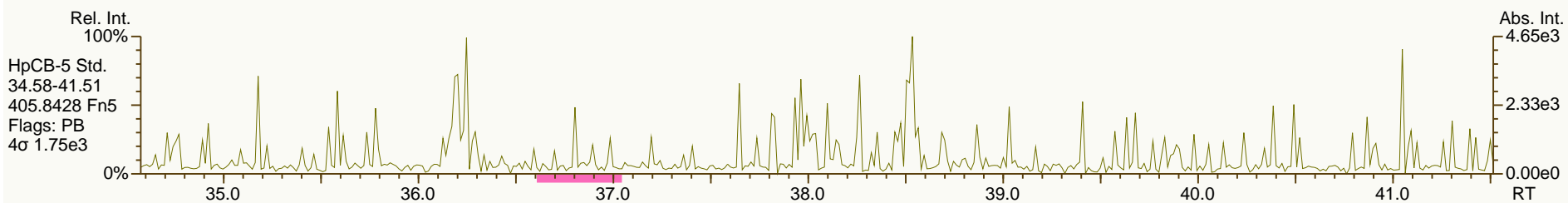
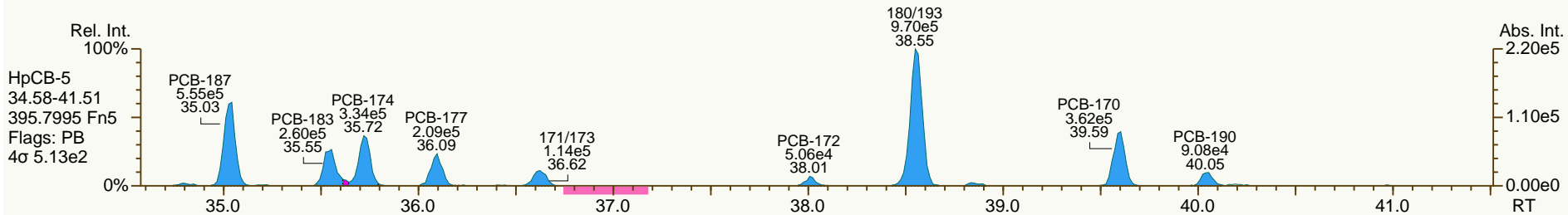
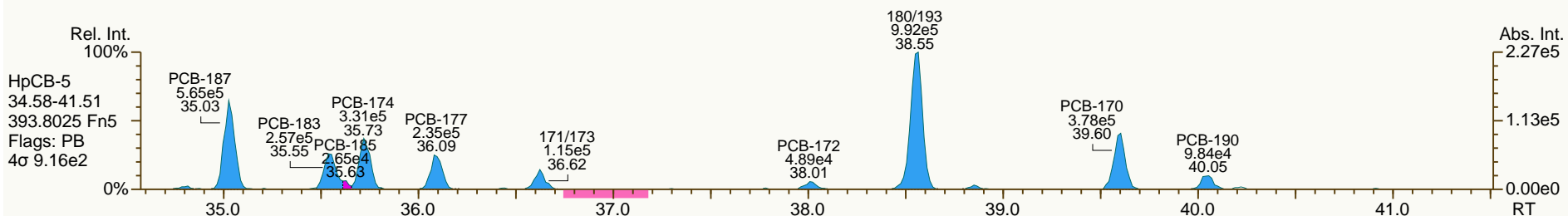
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
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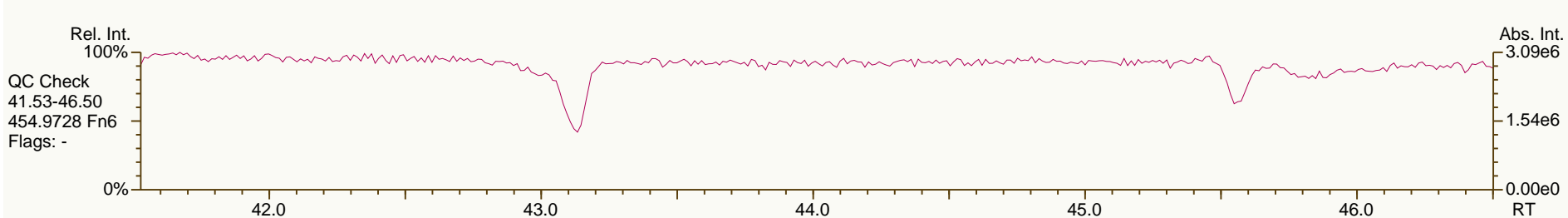
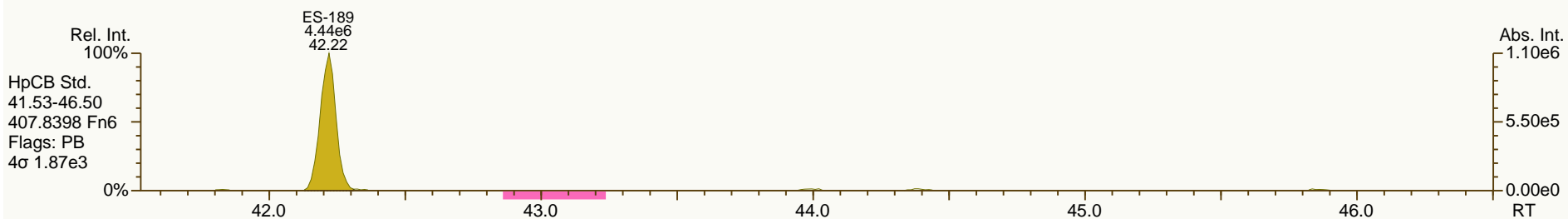
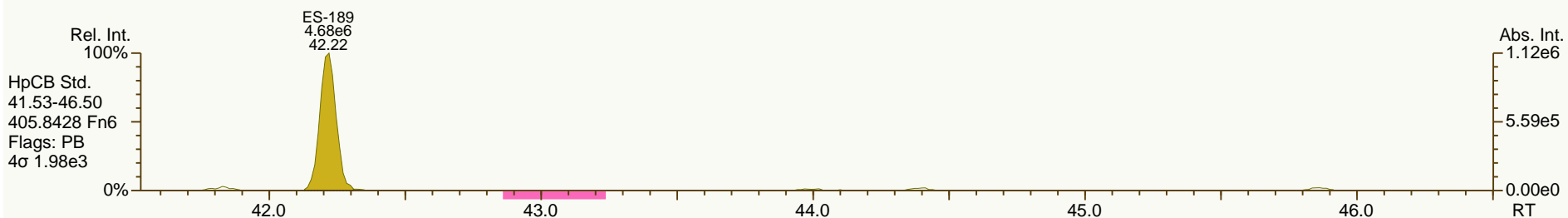
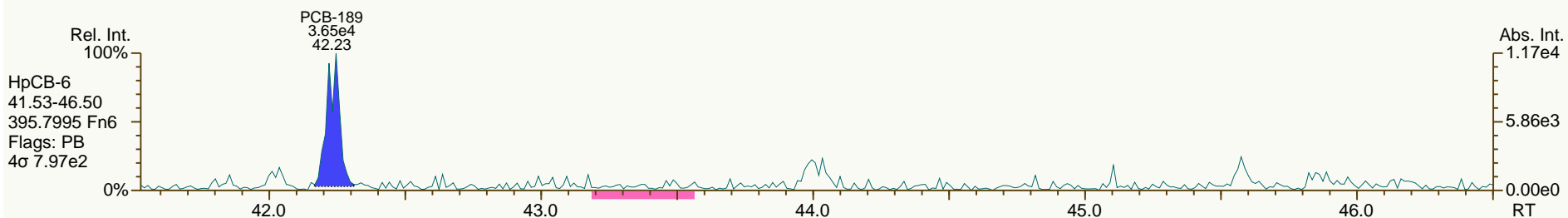
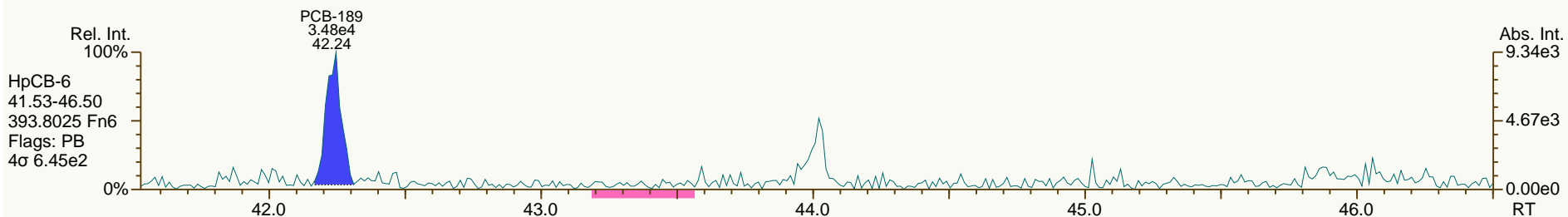
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

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AP Lab ID: A4371_9893_PCB_002-RJ
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Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
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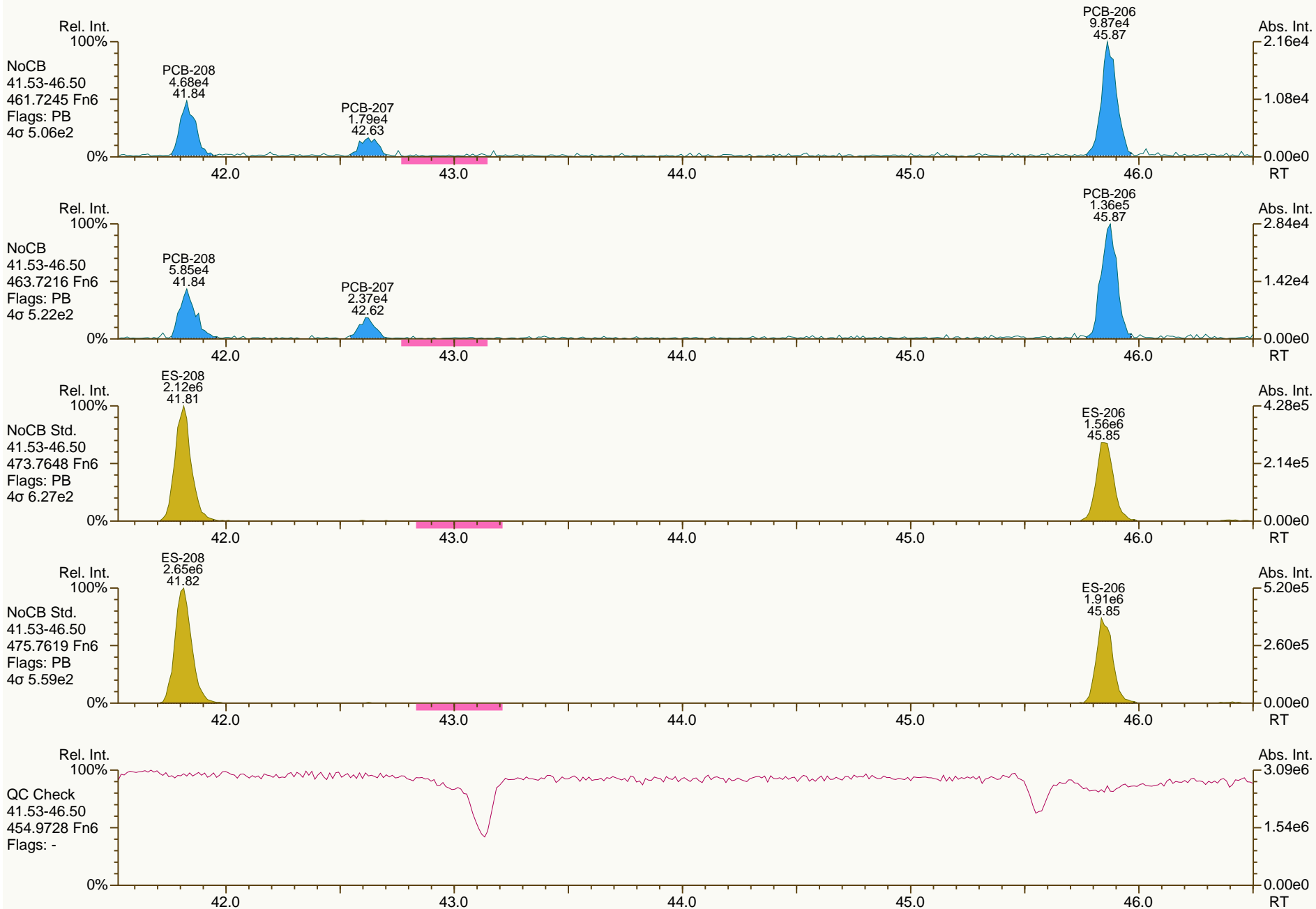
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AP Lab ID: A4371_9893_PCB_002-RJ
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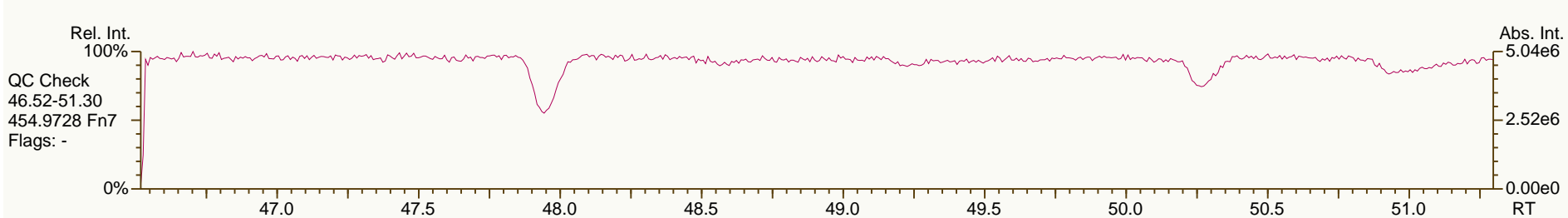
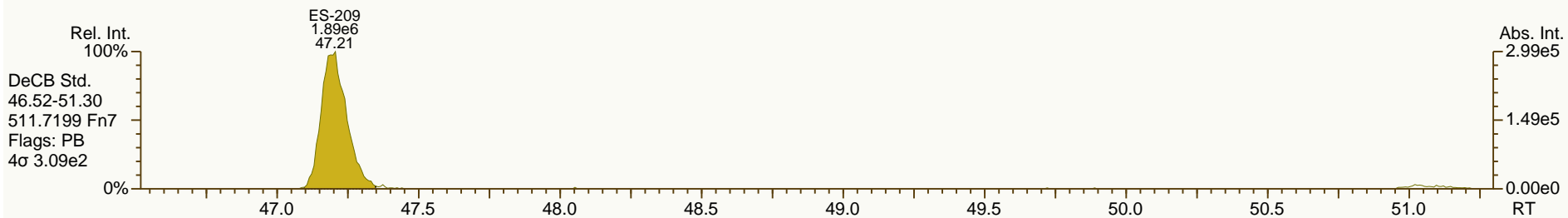
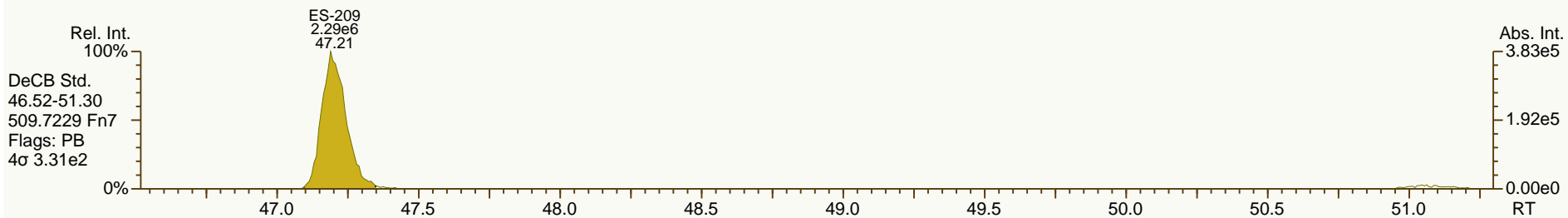
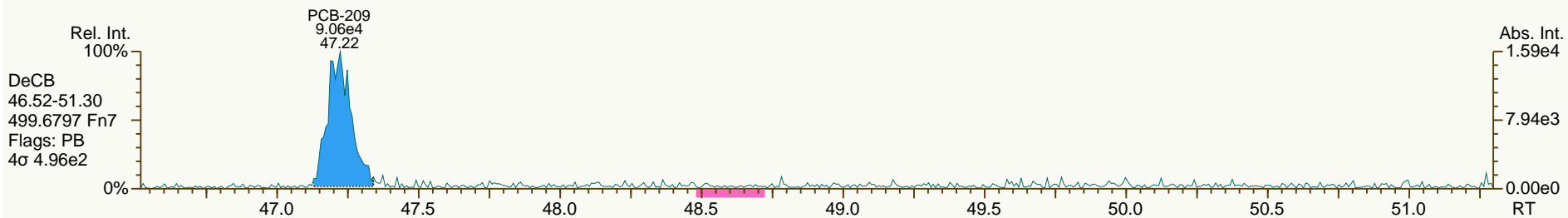
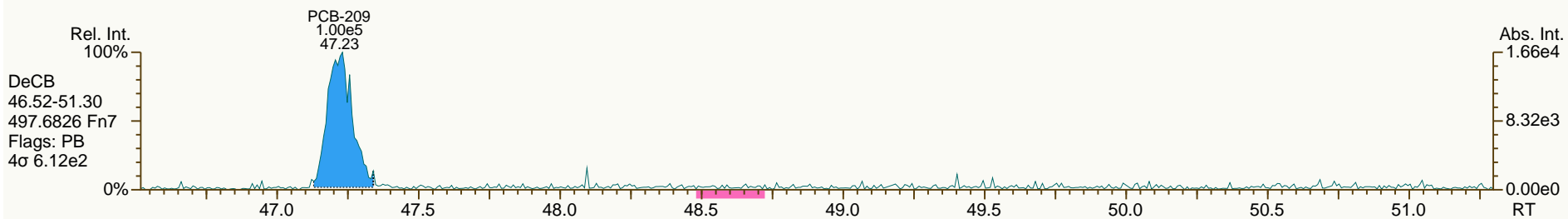
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AP Lab ID: A4371_9893_PCB_002-RJ
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Sample ID: JW-EA08-COMP-120507
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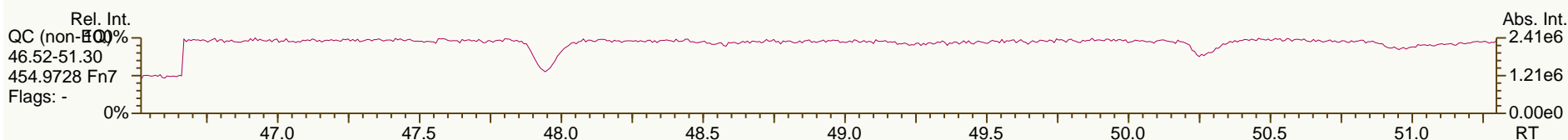
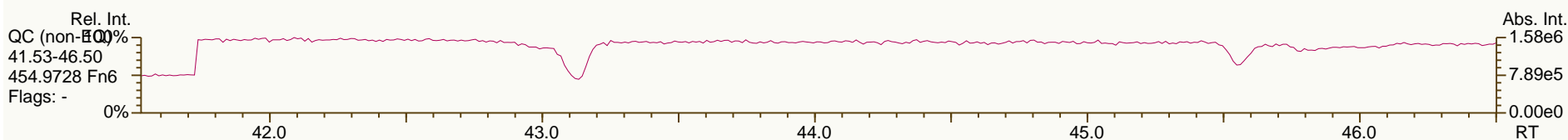
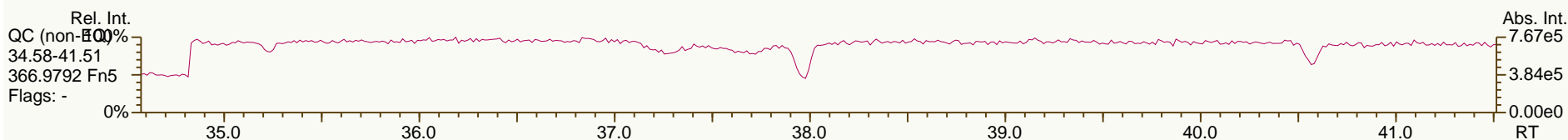
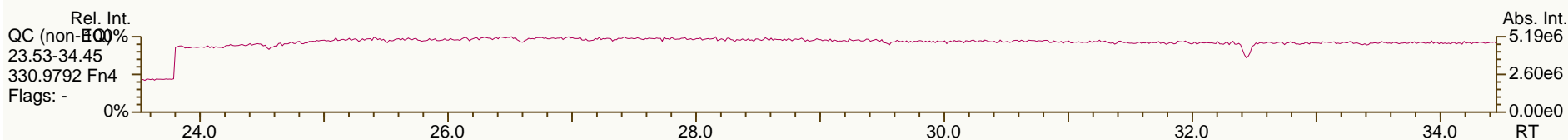
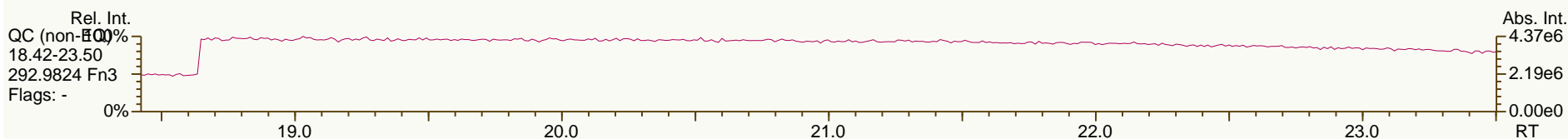
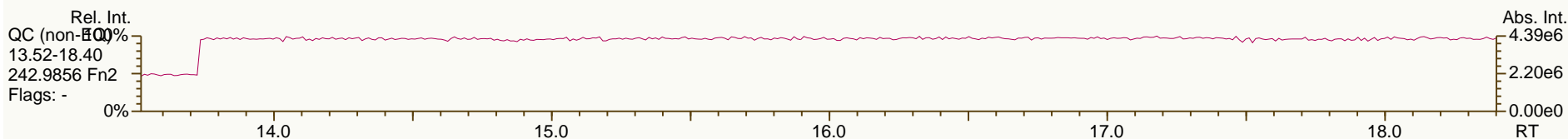
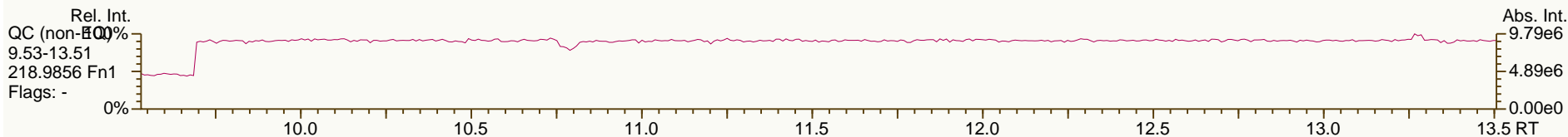
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AP Lab ID: A4371_9893_PCB_002-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA08-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 32

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Lab ID: A4371_9893_PCB_003-RJ

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Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.29		1.0006	1.0007	+0.2	1.65E+06	0.74	1.22	10.8	2.02E+03	0.134
PCB-81 344'5'-TeCB	28.83	J EMPC	1.0006	1.0008	+0.3	5.06E+04	0.62	1.24	0.311	2.02E+03	0.123
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	4.15E+06	0.61	1.03	52.9	7.81E+02	0.104
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0007	0	2.03E+05	0.58	1.10	2.47	7.81E+02	0.0993
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0007	-0.2	1.12E+07	0.62	1.03	136	7.81E+02	0.0925
PCB-123 23'44'5'-PeCB	30.99		1.0007	1.0009	+0.4	1.62E+05	0.66	0.93	2.18	7.81E+02	0.101
PCB-126 33'44'5'-PeCB	34.84	J	1.0005	1.0003	-0.4	7.21E+04	0.54	1.11	0.575	1.73E+03	0.142
PCB-156/157 ...-HxCB	37.37	C	1.0005	1.0002	-0.7	1.24E+06	1.33	1.05	17.2	1.81E+03	0.338
PCB-167 23'44'55'-HxCB	36.43		1.0006	1.0006	0	4.36E+05	1.27	1.08	5.6	1.81E+03	0.242
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.81E+03	0.303
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0004	-0.3	1.31E+05	1.12	1.11	1.2	1.81E+03	0.177
PCB-209 DeCB	47.25		1.0004	1.0004	0	3.86E+05	1.14	1.05	8	1.24E+03	0.395
ES PCB-1	9.85		0.7181	0.7178	-0.2	1.66E+07	3.32	1.01	45.8 %	4%	100%
ES PCB-3	11.78		0.8583	0.8581	-0.1	1.91E+07	3.35	1.05	50.8 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	9.76E+06	1.64	0.70	39.2 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	3.14E+07	1.65	1.17	75.3 %	19%	107%
ES PCB-19	14.68		1.0698	1.0697	-0.1	1.09E+07	1.08	0.57	54.1 %	1%	108%
ES PCB-37	23.09		1.0865	1.0872	+1.0	2.48E+07	1.11	1.41	123 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	1.36E+07	0.80	1.32	72.1 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3779	+0.4	2.66E+07	0.82	1.22	153 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3561	+0.7	2.78E+07	0.80	1.15	170 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	1.29E+07	1.59	1.69	57.5 %	36%	115%
ES PCB-105	32.21		1.1906	1.1904	-0.4	1.63E+07	1.59	1.21	101 %	50%	111%
ES PCB-114	31.68		1.1709	1.1707	-0.4	1.60E+07	1.66	1.23	97.3 %	41%	121%
ES PCB-118	31.24		1.1547	1.1545	-0.4	1.70E+07	1.61	1.25	103 %	49%	111%
ES PCB-123	30.96		1.1444	1.1442	-0.4	1.72E+07	1.65	1.33	97.4 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2871	0	2.40E+07	1.66	1.36	133 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7940	+0.2	1.53E+07	1.26	1.40	102 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1036	+0.2	2.95E+07	1.28	1.13	122 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0754	+0.2	1.53E+07	1.27	1.13	127 %	45%	118%
ES PCB-169	40.11		1.1842	1.1846	+1.0	1.31E+07	1.29	1.14	107 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.69		0.7204	0.7200	-0.8	1.15E+07	1.08	1.34	80.2 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	2.10E+07	1.07	1.77	129 %	47%	116%
ES PCB-202	36.20		0.8230	0.8226	-0.9	1.20E+07	0.88	1.27	88.3 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	1.26E+07	0.92	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.88		1.0424	1.0424	0	8.28E+06	0.81	1.07	84.3 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	1.11E+07	0.76	1.34	90.5 %	31%	126%
ES PCB-209	47.23		1.0732	1.0731	-0.3	9.79E+06	1.22	1.18	89.9 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9268	-0.1	2.67E+07	1.10	0.98	110 %	14%	131%
CS/SS PCB-111	29.34	V	1.0843	1.0841	-0.4	1.79E+07	1.62	0.90	116 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	8.87E+06	1.07	0.65	119 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9268	-0.1	2.67E+07	1.10	1.39	135 %	14%	131%
CS PCB-111	29.34	V	1.0843	1.0841	-0.4	1.79E+07	1.62	1.19	113 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	8.87E+06	1.07	0.87	95.4 %	57%	125%
JS PCB-9	13.72					3.56E+07	1.65				
JS PCB-52	21.24					1.43E+07	0.80				
JS PCB-101	27.06					1.33E+07	1.64				
JS PCB-138	33.86					1.07E+07	1.34				
JS PCB-194	44.01					9.20E+06	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	24.6	24.6	0.129		
						Di-CBs	107	107	1.1		
						Tri-CBs	384	387	0.385		
						Tetra-CBs	643	644	0.0922		
						Penta-CBs	850	851	0.102		
						Hexa-CBs	755	755	0.237		
						Hepta-CBs	244	244	0.171		
						Octa-CBs	79.8	79.8	0.209		
						Nona-CBs	16.6	16.6	0.32		
PCB-1 2-MoCB	9.86		1.0011	1.0010	-0.1	9.47E+05	3.17	1.20	10.2	2.25E+03	0.117
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	5.34E+05	3.31	1.25	4.78	2.25E+03	0.126
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	9.77E+05	3.38	1.13	9.67	2.25E+03	0.14
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	4.10E+05	1.45	0.94	9.49	1.04E+04	1.44
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.65	ND	1.04E+04	0.821
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	1.78E+05	SI	0.92	1.31	8.38E+03	0.5
PCB-7 24-DiCB	13.88	J	1.0116	1.0116	0	1.54E+05	SI	1.04	1	8.38E+03	0.443
PCB-6 23'-DiCB	14.08		1.0261	1.0262	+0.1	7.58E+05	1.52	1.01	5.11	1.40E+04	0.767
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.99	ND	1.40E+04	0.783
PCB-8 24'-DiCB	14.46		1.0533	1.0534	+0.1	3.87E+06	1.60	1.03	25.4	1.40E+04	0.748
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.15	ND	1.40E+04	0.674
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	5.53E+06	1.58	0.95	39.3	1.40E+04	0.81
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9849	-0.6	4.86E+05	1.54	0.98	3.37	1.40E+04	0.791
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	3.20E+06	1.58	1.01	21.6	1.40E+04	0.768

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0012	+0.1	1.64E+05	0.97	1.01	3.17	2.50E+03	0.35
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	2.90E+06	1.07	1.24	45.4	2.50E+03	0.285
PCB-17 22'4-TrCB	16.67		1.1357	1.1358	+0.1	1.19E+06	0.97	1.05	22.1	2.50E+03	0.338
PCB-27 23'6-TrCB	16.85		1.1479	1.1480	+0.1	2.63E+05	1.08	1.39	3.68	2.50E+03	0.254
PCB-24 236-TrCB	16.97	J EMPC	1.1558	1.1560	+0.2	4.92E+04	1.29	1.33	0.721	2.50E+03	0.266
PCB-16 22'3-TrCB	17.05		1.1612	1.1616	+0.4	8.72E+05	1.05	0.83	20.4	2.50E+03	0.425
PCB-32 24'6-TrCB	17.51		1.1923	1.1925	+0.2	1.26E+06	1.08	1.50	16.4	2.50E+03	0.236
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	6.33E+03	0.37
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	6.33E+03	0.353
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8221	-1.7	1.89E+06	1.07	1.42	11.5	6.33E+03	0.356
PCB-25 23'4-TrCB	19.19		0.8315	0.8308	-0.8	9.85E+05	1.05	1.42	5.95	6.33E+03	0.354
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.21E+07	1.07	1.48	70.3	6.33E+03	0.341
PCB-28/20 244' /233' -TrCB	19.71	C	0.8542	0.8533	-1.1	1.51E+07	1.08	1.41	91.5	6.33E+03	0.356
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	6.01E+06	1.09	1.43	36	6.33E+03	0.351
PCB-22 234'-TrCB	20.23		0.8766	0.8760	-0.7	4.18E+06	1.08	1.34	26.9	6.33E+03	0.377
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	6.33E+03	0.363
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	6.33E+03	0.35
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	6.33E+03	0.394
PCB-35 33'4-TrCB	22.77	EMPC	0.9860	0.9859	-0.1	2.88E+05	1.41	1.28	1.94	6.33E+03	0.395
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	4.29E+06	1.10	1.20	30.8	6.33E+03	0.42
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.24E+02	0.0717
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9038	-1.5	5.79E+05	0.81	0.80	5.55	6.61E+02	0.063
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	5.16E+05	0.74	0.68	5.8	6.61E+02	0.0739
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	1.85E+05	0.72	0.81	1.76	6.61E+02	0.0624
PCB-46 22'36'-TeCB	20.02		0.9429	0.9426	-0.4	2.07E+05	0.80	0.66	2.41	6.61E+02	0.0766
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	7.46E+06	0.78	0.73	77.7	6.61E+02	0.0685
PCB-73 23'5'6-TeCB	21.38	J EMPC	1.0069	1.0065	-0.5	1.54E+04	0.66	0.97	0.122	6.61E+02	0.0521
PCB-43 22'35-TeCB	21.46		1.0106	1.0105	-0.1	1.47E+05	0.86	0.67	1.69	6.61E+02	0.0754
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	4.36E+06	0.79	0.90	37	6.61E+02	0.0558
PCB-48 22'45-TeCB	21.92		1.0319	1.0321	+0.3	9.91E+05	0.73	0.74	10.2	6.61E+02	0.0679
PCB-44/47/65 ...-TeCB	22.11	C	1.0416	1.0408	-1.1	6.22E+06	0.78	0.80	59.4	6.61E+02	0.0627
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0540	-0.1	5.77E+05	0.74	1.01	4.38	6.61E+02	0.0499
PCB-42 22'34'-TeCB	22.55		1.0612	1.0616	+0.5	1.40E+06	0.76	0.71	15.1	6.61E+02	0.0713
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	3.63E+05	0.74	0.62	4.49	6.61E+02	0.0814
PCB-71/40 23'4'6/22'33'-TeCB	22.97	C	1.0806	1.0813	+1.0	2.56E+06	0.79	0.77	25.6	6.61E+02	0.0657
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	3.21E+06	0.78	1.07	22.9	6.61E+02	0.0469
PCB-72 23'55'-TeCB	23.93		0.8295	0.8307	+1.7	2.22E+05	0.69	1.28	1.33	2.02E+03	0.12
PCB-68 23'45'-TeCB	24.18	J	0.8379	0.8393	+2.0	1.43E+05	0.83	1.33	0.82	2.02E+03	0.115
PCB-57 233'5-TeCB	24.53	J EMPC	0.8501	0.8515	+2.1	5.26E+04	0.96	1.20	0.336	2.02E+03	0.128
PCB-58 233'5'-TeCB	24.73	J	0.8568	0.8584	+2.4	5.83E+04	0.84	1.20	0.374	2.02E+03	0.128
PCB-67 23'45-TeCB	24.88		0.8620	0.8636	+2.4	5.63E+05	0.79	1.23	3.52	2.02E+03	0.125
PCB-63 234'5-TeCB	25.09		0.8697	0.8710	+2.0	6.09E+05	0.82	1.32	3.54	2.02E+03	0.116
PCB-61/70/74/76 ...-TeCB	25.37	C	0.8792	0.8808	+2.4	2.82E+07	0.79	1.23	175	2.02E+03	0.125
PCB-66 23'44'-TeCB	25.62		0.8888	0.8896	+1.2	1.59E+07	0.79	1.16	105	2.02E+03	0.133
PCB-55 233'4-TeCB	25.75		0.8932	0.8938	+0.9	2.23E+05	0.74	1.17	1.46	2.02E+03	0.131

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.17		0.9080	0.9084	+0.6	6.64E+06	0.77	1.15	44.3	2.02E+03	0.134
PCB-60 2344'-TeCB	26.35		0.9144	0.9147	+0.5	3.30E+06	0.78	1.21	20.9	2.02E+03	0.127
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.02E+03	0.115
PCB-79 33'45'-TeCB	27.98		0.9718	0.9716	-0.3	1.92E+05	0.78	1.26	1.17	2.02E+03	0.122
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.02E+03	0.148
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	4.63E+02	0.0742
PCB-96 22'366'-PeCB	22.35	J	1.0141	1.0139	-0.3	4.49E+04	0.55	0.93	0.795	4.63E+02	0.073
PCB-103 22'45'6'-PeCB	24.07		0.8883	0.8896	+1.9	8.91E+04	0.67	0.86	1.28	7.81E+02	0.108
PCB-94 22'356'-PeCB	24.25	J	0.8946	0.8961	+2.2	2.83E+04	0.58	0.76	0.464	7.81E+02	0.123
PCB-95 22'35'6'-PeCB	24.62		0.9082	0.9098	+2.4	4.97E+06	0.61	0.83	74.4	7.81E+02	0.113
PCB-100/93 22'44'6'/22'356'-PeCB	24.82	J C	0.9158	0.9173	+2.2	7.46E+04	0.61	0.83	1.11	7.81E+02	0.113
PCB-102 22'456'-PeCB	24.93		0.9198	0.9214	+2.4	2.21E+05	0.60	0.98	2.81	7.81E+02	0.0956
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	7.81E+02	0.13
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	7.81E+02	0.127
PCB-91 22'34'6'-PeCB	25.34		0.9352	0.9363	+1.7	1.00E+06	0.62	0.90	13.7	7.81E+02	0.103
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9425	+1.4	1.56E+06	0.58	0.71	27.4	7.81E+02	0.132
PCB-89 22'346'-PeCB	25.90		0.9567	0.9572	+0.8	7.41E+04	0.61	0.74	1.24	7.81E+02	0.126
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	7.81E+02	0.0875
PCB-92 22'355'-PeCB	26.59		0.9825	0.9826	+0.2	1.43E+06	0.61	0.74	23.7	7.81E+02	0.125
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	9.37E+06	0.61	0.88	132	7.81E+02	0.106
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0149	-0.2	3.65E+05	0.63	0.64	7.01	7.81E+02	0.145
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	4.82E+06	0.61	0.78	76.6	7.81E+02	0.12
PCB-112 233'56'-PeCB	27.70	J EMPC	1.0224	1.0236	+2.0	1.07E+04	0.72	1.03	0.128	7.81E+02	0.0903
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0355	+1.3	6.01E+06	0.61	0.90	82.8	7.81E+02	0.104
PCB-117 234'56'-PeCB	28.51		1.0539	1.0535	-0.7	1.92E+05	0.62	0.71	3.33	7.81E+02	0.131
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0562	-0.7	1.57E+06	0.62	1.00	19.5	7.81E+02	0.0933
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0614	-0.2	1.23E+07	0.61	0.99	153	7.81E+02	0.0939
PCB-115 2344'6'-PeCB	28.82		1.0644	1.0650	+1.0	1.38E+05	0.64	1.00	1.7	7.81E+02	0.093
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	7.98E+05	0.60	0.65	15.3	7.81E+02	0.144
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	7.81E+02	0.09
PCB-120 23'455'-PeCB	29.75	J EMPC	1.0994	1.0993	-0.2	6.25E+04	0.76	1.04	0.745	7.81E+02	0.0897
PCB-107/124 ...-PeCB	30.69	C	0.9909	0.9910	+0.2	3.58E+05	0.59	0.96	4.62	7.81E+02	0.0973
PCB-109 233'46'-PeCB	30.89		0.9976	0.9977	+0.2	8.56E+05	0.61	0.98	10.8	7.81E+02	0.0954
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	7.81E+02	0.0998
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0096	+0.2	1.21E+05	0.70	0.97	1.67	7.81E+02	0.113
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	7.81E+02	0.113
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.13E+02	0.0646
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.13E+02	0.0686
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.13E+02	0.0669
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	1.08E+06	1.23	0.92	16.4	5.13E+02	0.074
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.13E+02	0.0717
PCB-148 22'34'56'-HxCB	29.03	J	1.0801	1.0799	-0.3	2.36E+04	1.11	0.72	0.456	5.13E+02	0.0946
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0981	-0.9	2.37E+06	1.24	0.70	47.2	5.13E+02	0.0975
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1064	-0.5	1.82E+05	1.33	0.78	3.24	5.13E+02	0.0873
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1156	-0.4	3.20E+05	1.31	0.70	6.39	5.13E+02	0.0976

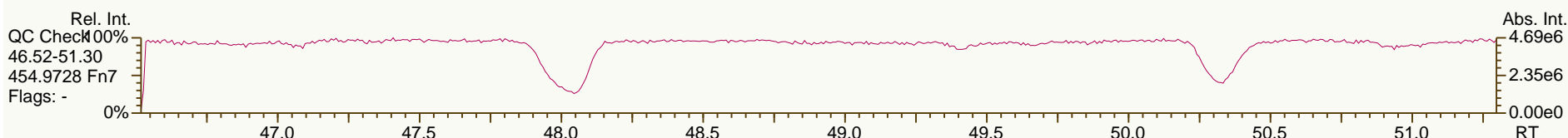
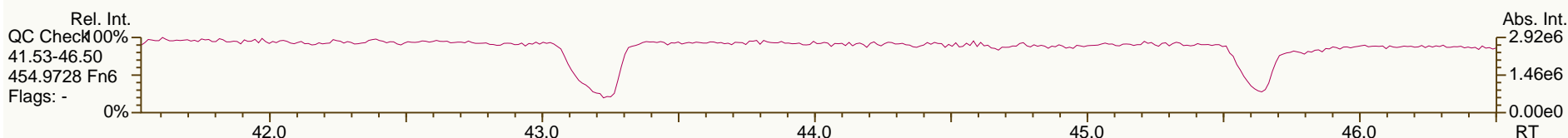
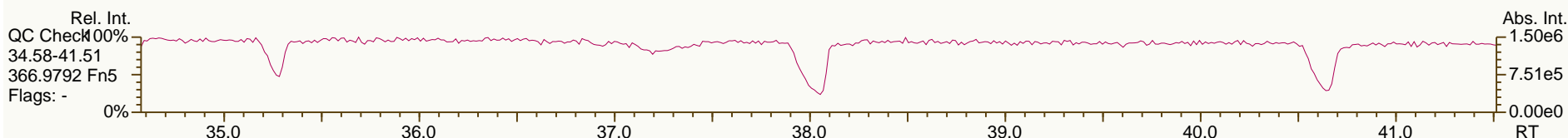
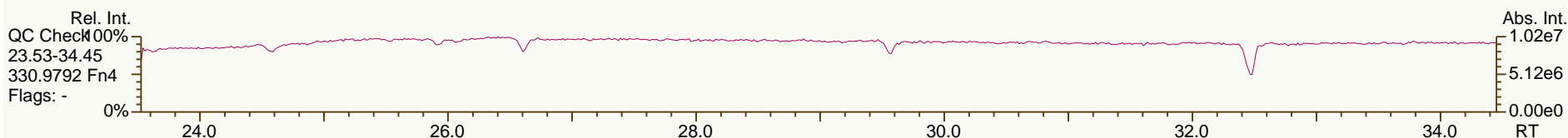
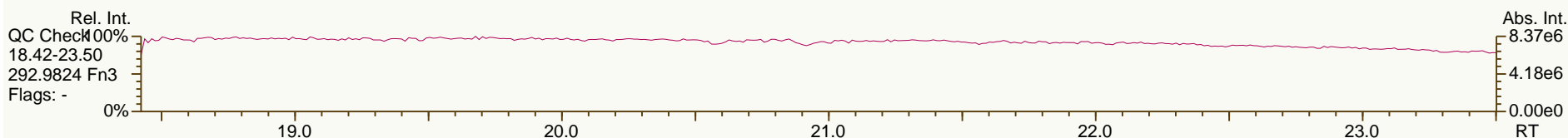
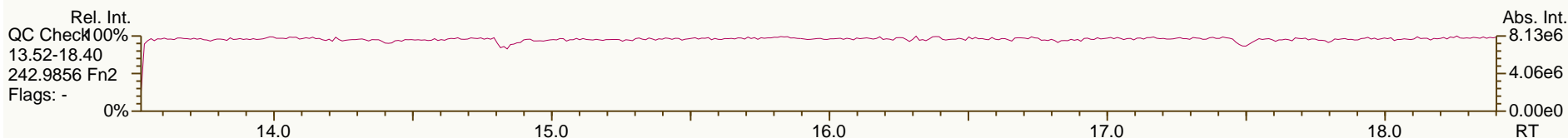
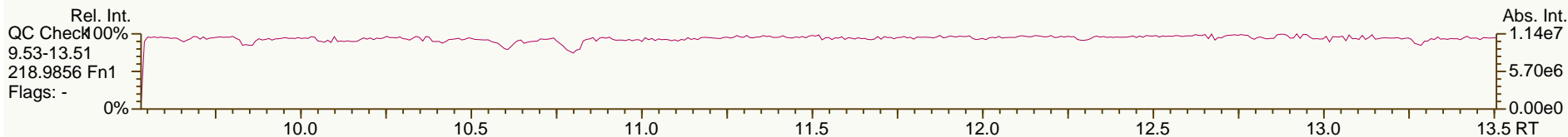
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1265	-0.7	6.29E+06	1.24	0.72	122	5.13E+02	0.0951
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1324	-0.4	3.53E+05	1.23	0.59	8.4	5.13E+02	0.116
PCB-143 22'3456"-HxCB	30.54	J	1.1356	1.1361	+0.9	2.08E+04	1.26	0.66	0.437	5.13E+02	0.103
PCB-139/140 ...-HxCB	30.79	C	1.1458	1.1454	-0.7	1.54E+05	1.19	0.73	2.94	5.13E+02	0.0932
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1514	-0.4	8.60E+04	1.16	0.61	1.97	5.13E+02	0.112
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.13E+02	0.11
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1652	-0.6	2.25E+06	1.22	0.64	49.1	5.13E+02	0.107
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1825	-0.2	1.62E+05	1.22	0.64	3.53	5.13E+02	0.107
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.13E+02	0.0868
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	1.57E+06	1.23	0.68	32.4	5.13E+02	0.101
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.13E+02	0.0779
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	9.27E+06	1.24	0.89	146	5.13E+02	0.0768
PCB-141 22'3455"-HxCB	33.00		0.9746	0.9746	0	1.22E+06	1.27	0.65	26.3	5.13E+02	0.105
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	5.22E+05	1.24	0.58	12.5	5.13E+02	0.117
PCB-137 22'344'5"-HxCB	33.53		0.9904	0.9902	-0.4	3.26E+05	1.12	0.66	6.89	5.13E+02	0.103
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9929	-0.2	6.86E+05	1.25	0.89	10.8	5.13E+02	0.0769
PCB-163/138/129 ...-HxCB	33.88	C	1.0012	1.0008	-0.8	1.01E+07	1.28	0.72	197	5.13E+02	0.0953
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.13E+02	0.0797
PCB-158 233'44'6"-HxCB	34.21		1.0106	1.0106	0	1.08E+06	1.33	0.93	16.2	5.13E+02	0.0731
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	1.58E+06	1.21	0.99	22.2	1.81E+03	0.265
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.81E+03	0.249
PCB-162 233'4'55"-HxCB	36.03	J	0.9896	0.9896	0	3.89E+04	1.39	1.12	0.482	1.81E+03	0.234
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	5.47E+02	0.0939
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	8.59E+05	1.04	1.04	15.4	5.47E+02	0.0966
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	5.47E+02	0.0996
PCB-176 22'33'466"-HpCB	32.72		1.0324	1.0324	0	2.39E+05	1.08	1.11	3.97	5.47E+02	0.0899
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	5.47E+02	0.0956
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0817	+0.2	3.73E+05	1.12	0.80	8.63	5.47E+02	0.125
PCB-175 22'33'45'6"-HpCB	34.82		1.0985	1.0987	+0.4	6.93E+04	1.00	0.97	1.33	1.12E+03	0.213
PCB-187 22'34'55'6"-HpCB	35.04		1.1057	1.1059	+0.4	2.64E+06	1.00	1.03	47.5	1.12E+03	0.199
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.12E+03	0.201
PCB-183 22'344'5'6"-HpCB	35.56		1.1219	1.1223	+0.9	1.22E+06	1.11	1.08	21.1	1.12E+03	0.191
PCB-185 22'3455'6"-HpCB	NotFnd		1.1241	-		0.00E+00		0.93	ND	1.12E+03	0.22
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1277	+0.2	1.52E+06	0.97	0.84	33.4	1.12E+03	0.243
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1394	+0.2	1.05E+06	1.09	0.83	23.2	1.12E+03	0.246
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.12E+03	0.218
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	4.53E+05	1.02	0.84	9.97	1.12E+03	0.244
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9000	-0.7	1.04E+05	1.15	0.61	1.73	1.12E+03	0.201
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.12E+03	0.154
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	4.14E+06	1.07	0.84	50	1.12E+03	0.145
PCB-191 233'44'5'6"-HpCB	38.87	J	0.9203	0.9202	-0.2	7.91E+04	1.05	0.80	1	1.12E+03	0.153
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9379	-0.2	1.41E+06	1.00	0.70	20.5	1.12E+03	0.175
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	3.70E+05	1.08	0.78	4.8	1.12E+03	0.156
PCB-202 22'33'55'66"-OoCB	36.23		1.0006	1.0007	+0.2	2.57E+05	0.93	0.83	5.52	7.94E+02	0.197
PCB-201 22'33'45'66"-OoCB	37.00		1.0221	1.0220	-0.2	1.39E+05	0.83	0.99	2.49	7.94E+02	0.165

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	7.94E+02	0.177
PCB-197 22'33'44'66'-OcCB	37.76	J	1.0431	1.0428	-0.7	2.59E+04	0.97	1.07	0.429	7.94E+02	0.152
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0449	-0.5	1.11E+05	0.96	0.86	2.31	7.94E+02	0.19
PCB-198/199 ...-OcCB	40.22	C	1.1102	1.1110	+1.9	8.58E+05	0.93	0.69	21.9	7.94E+02	0.235
PCB-196 22'33'44'56'-OcCB	40.78		1.1260	1.1263	+0.7	3.31E+05	0.87	0.70	8.36	7.94E+02	0.232
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1309	+0.7	5.38E+05	0.90	0.77	12.5	7.94E+02	0.213
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	2.70E+05	0.90	0.67	6.83	1.38E+03	0.362
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	8.22E+05	0.86	0.74	18.8	1.38E+03	0.326
PCB-205 233'44'55'6-OcCB	44.44	J	1.0004	1.0006	+0.5	4.31E+04	0.94	1.09	0.669	1.38E+03	0.222
PCB-208 22'33'455'66'-NoCB	41.86		1.0005	1.0005	0	1.79E+05	0.76	0.98	3.51	1.10E+03	0.274
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0193	+0.3	7.14E+04	0.80	1.01	1.34	1.10E+03	0.264
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0004	0	4.24E+05	0.80	0.93	11.7	1.10E+03	0.365

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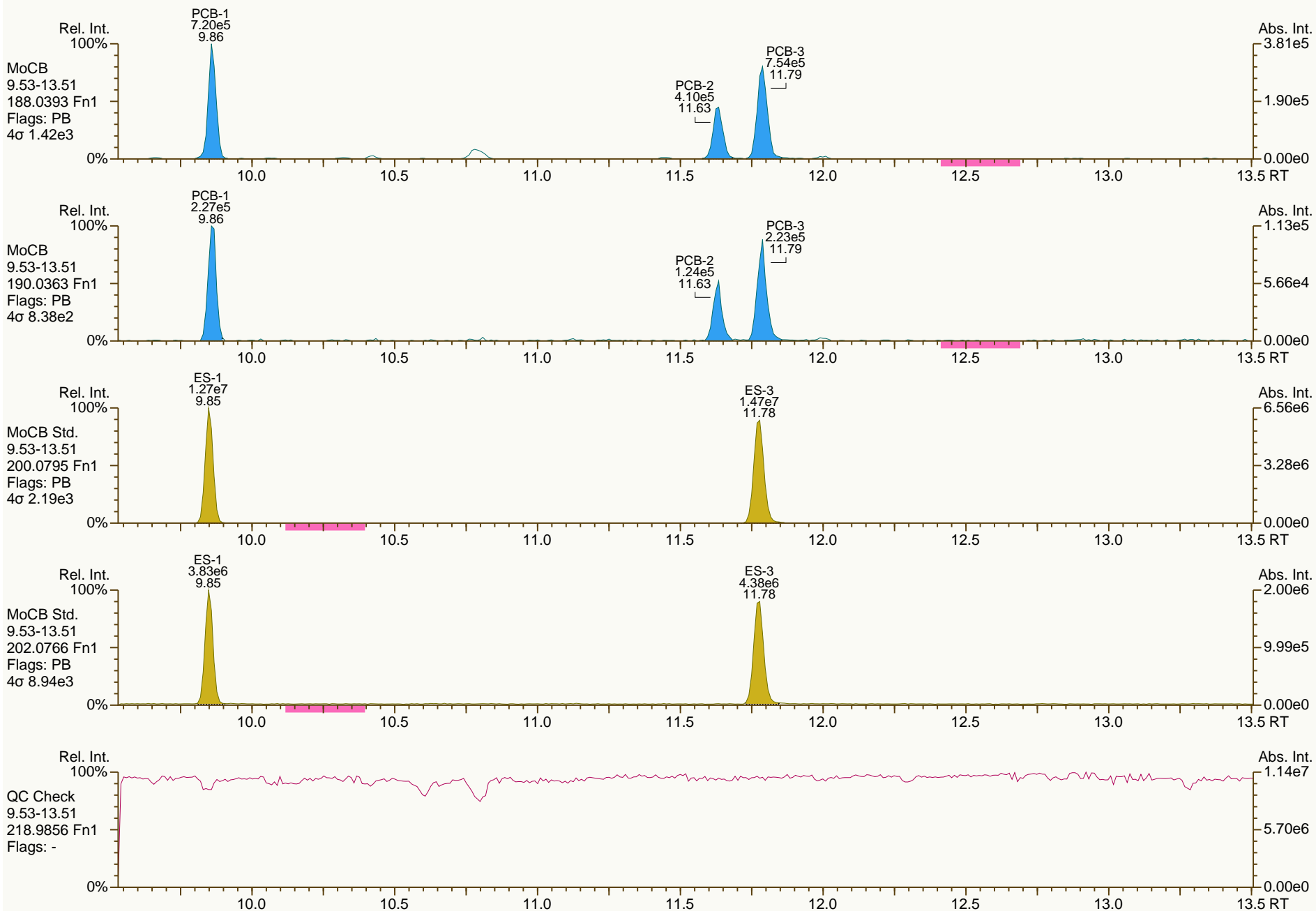
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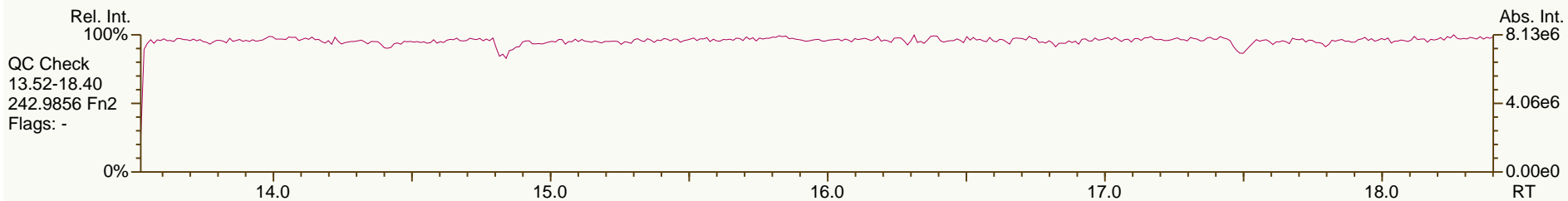
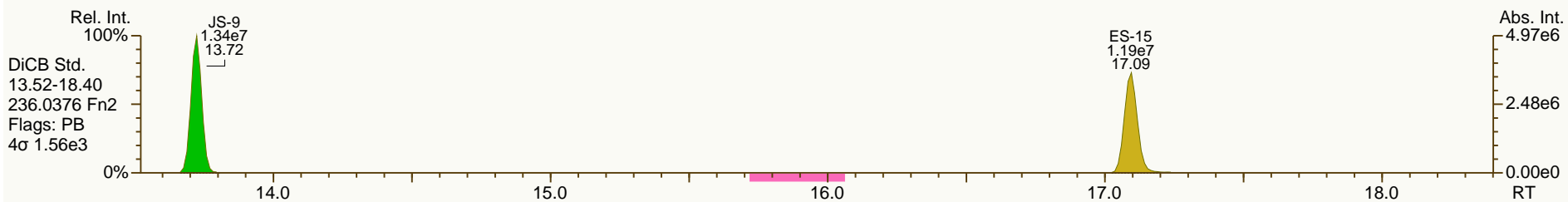
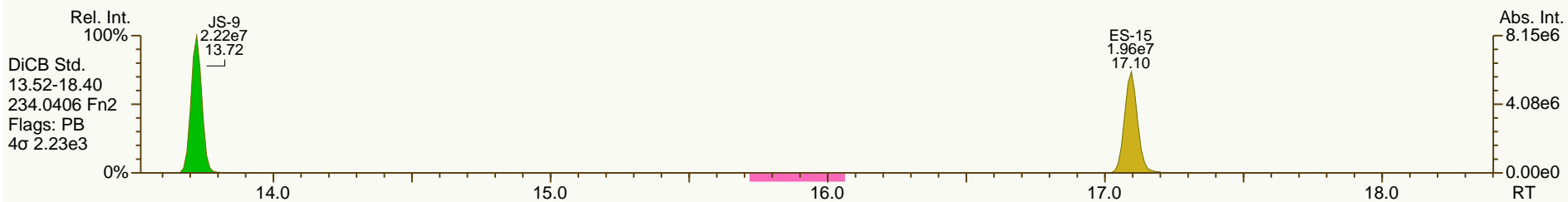
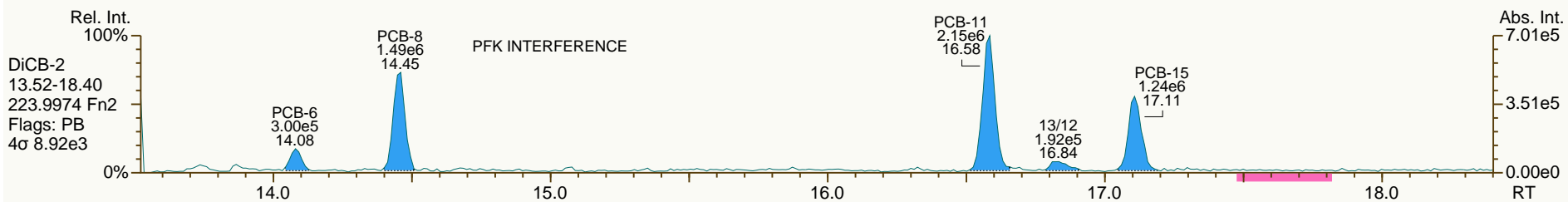
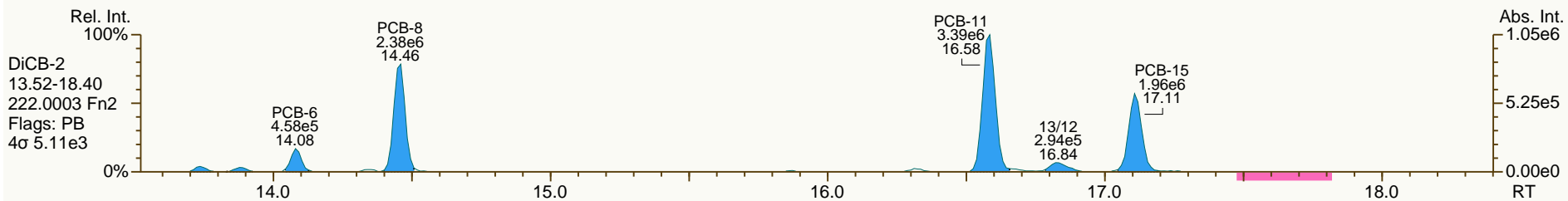
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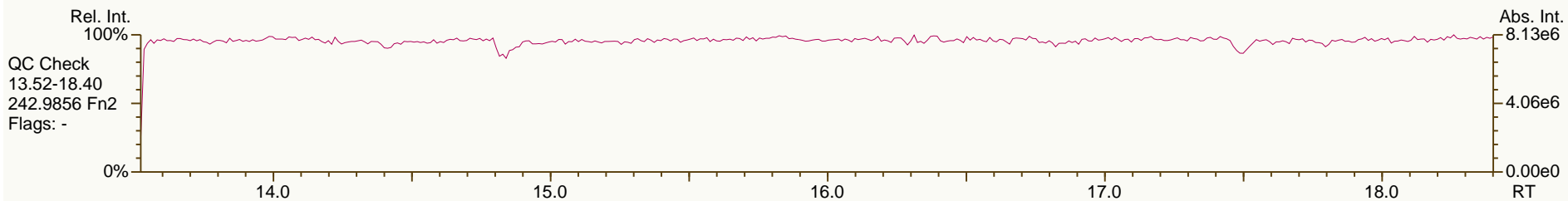
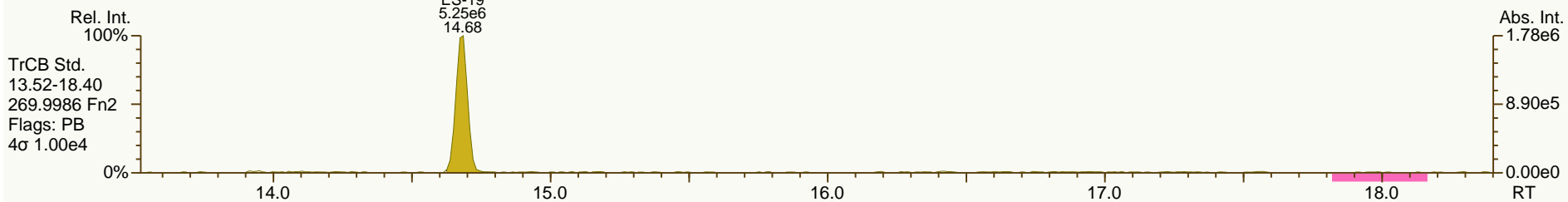
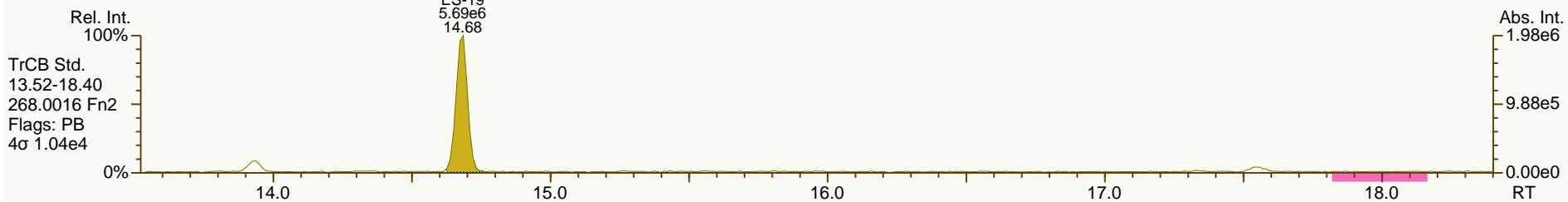
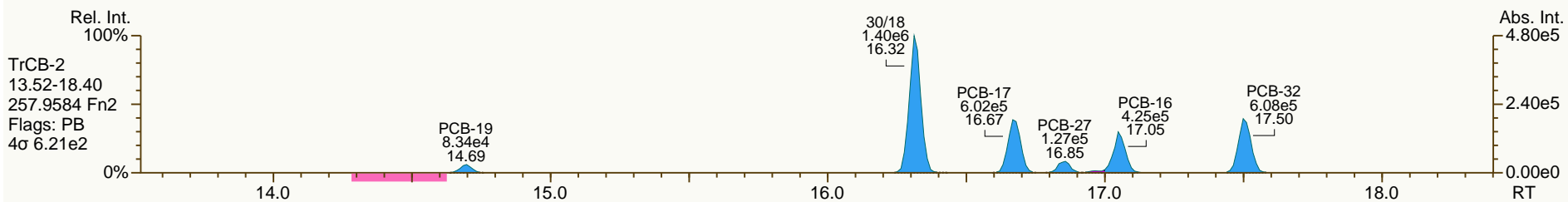
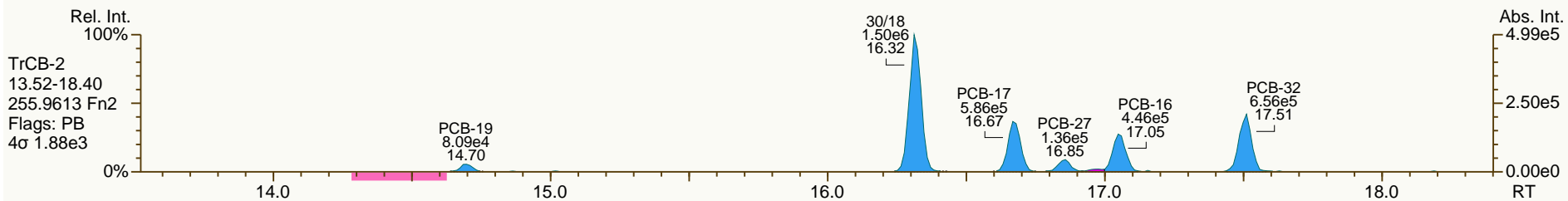
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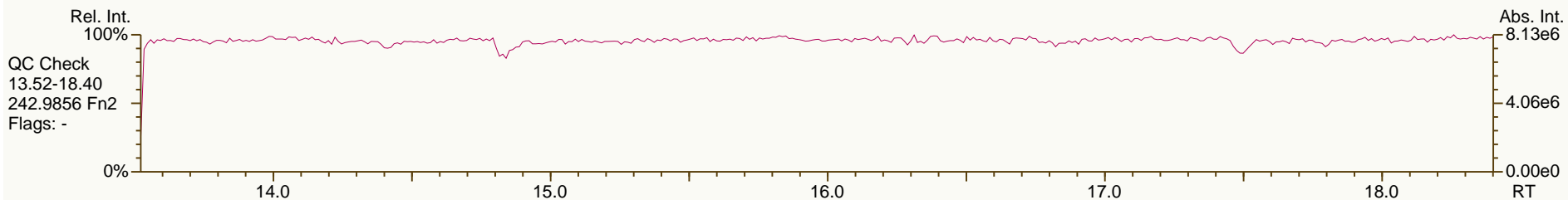
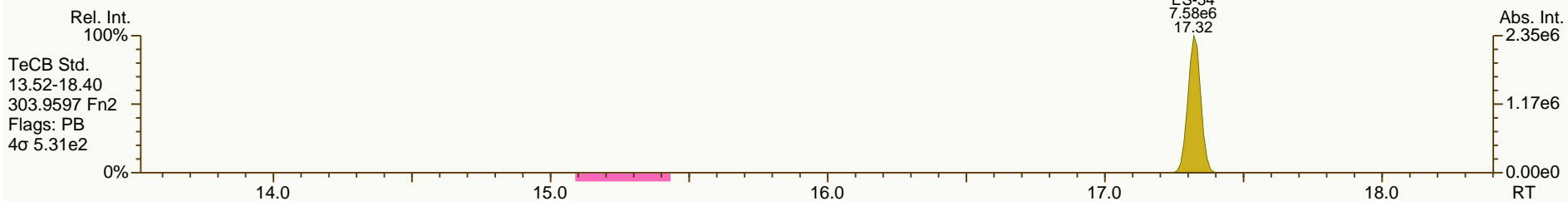
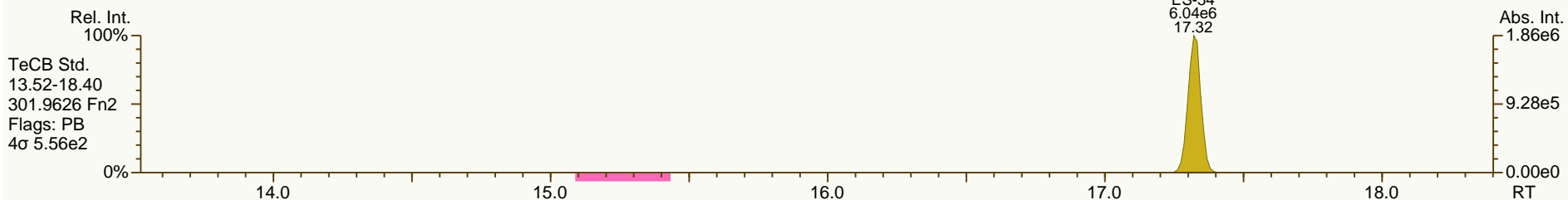
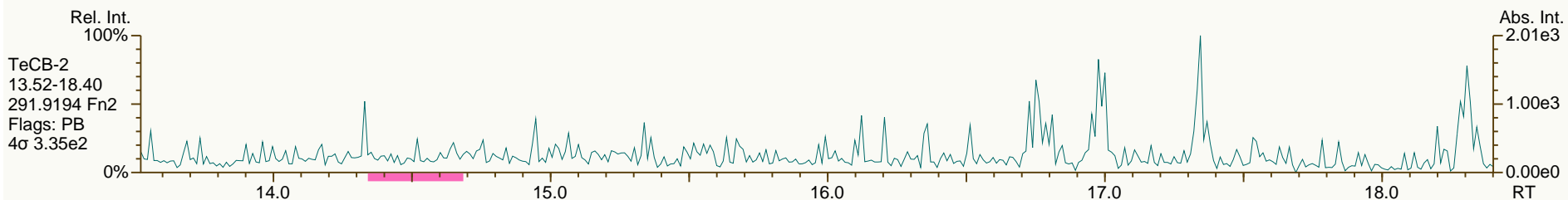
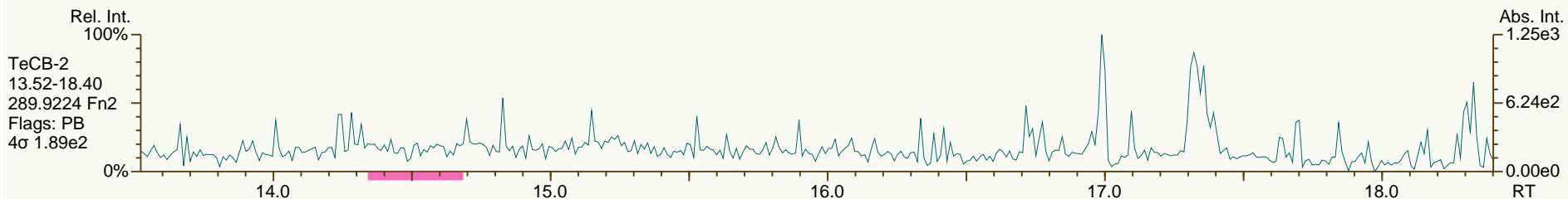
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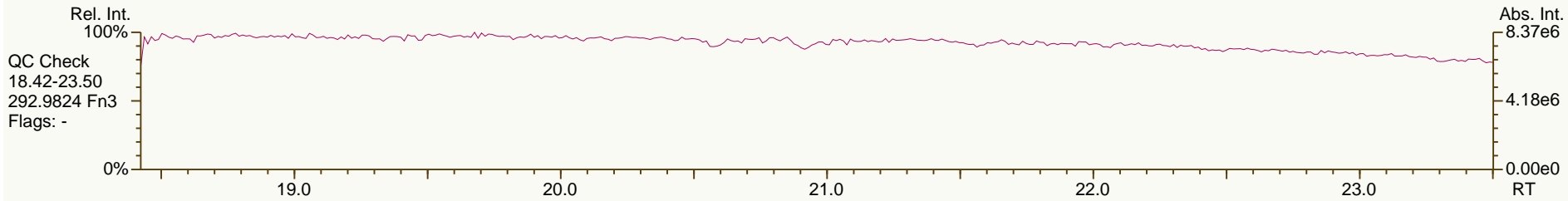
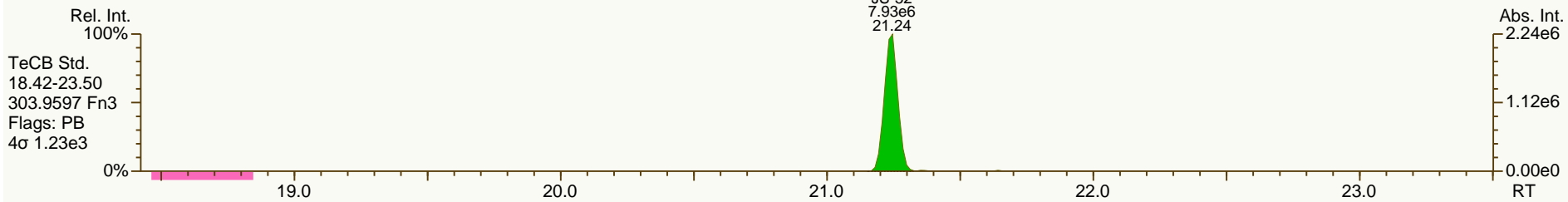
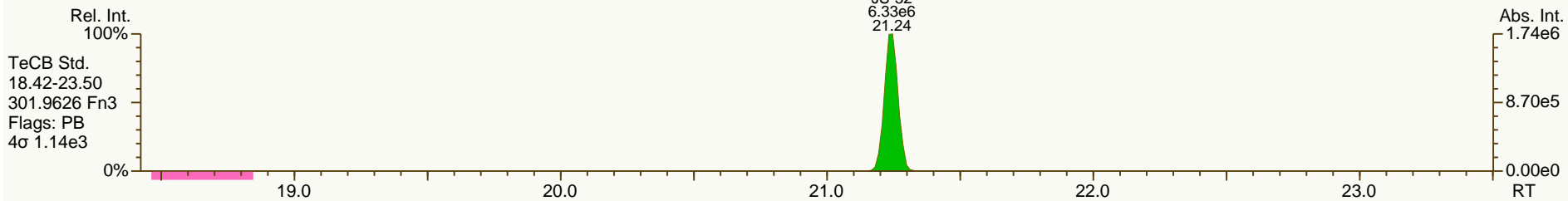
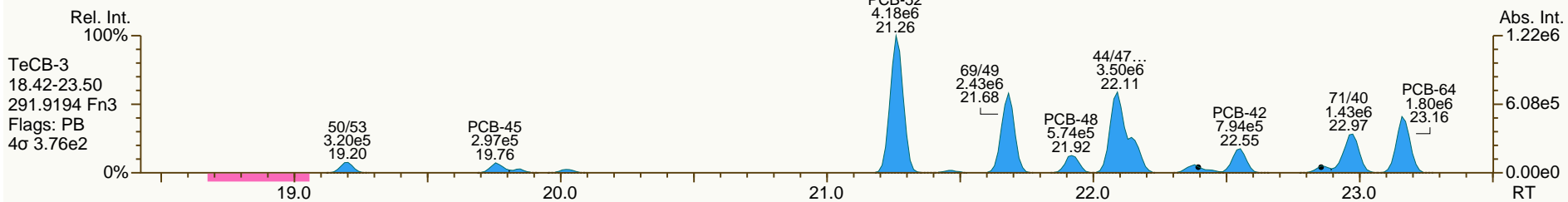
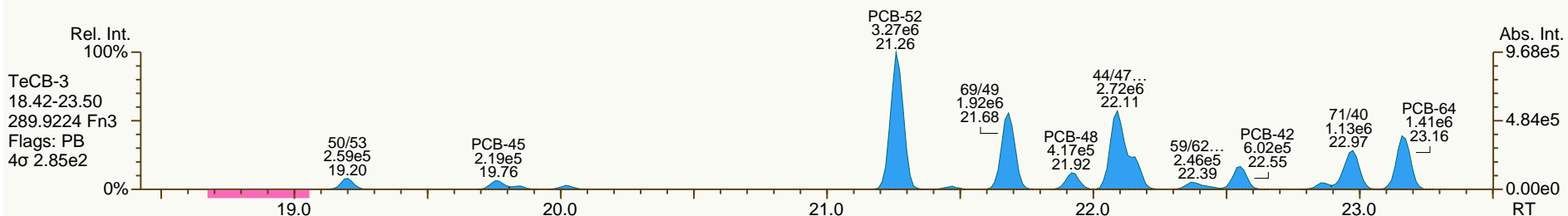
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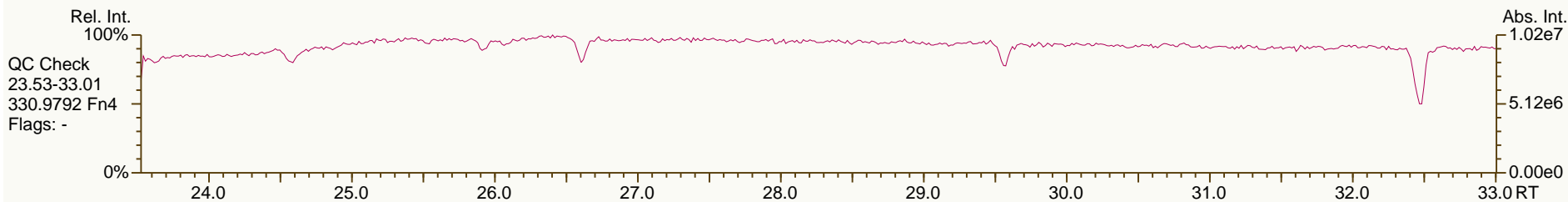
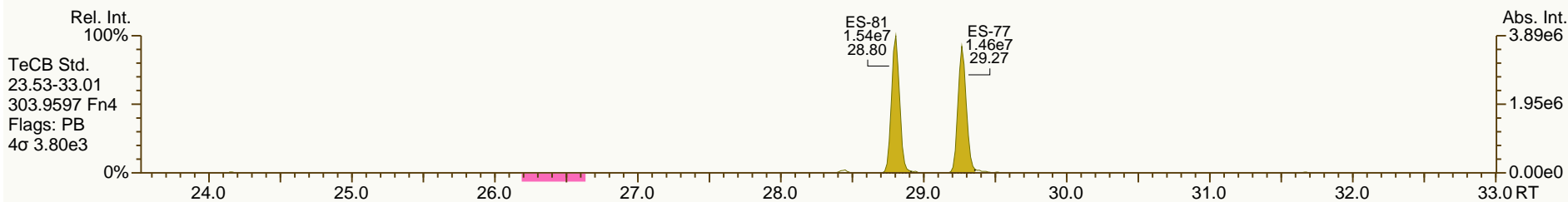
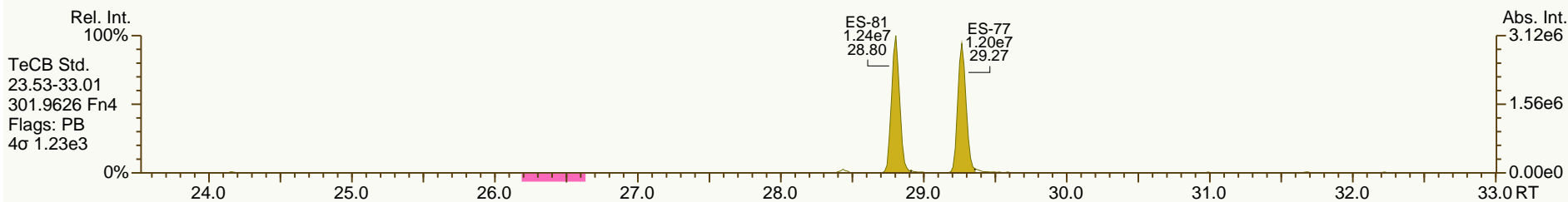
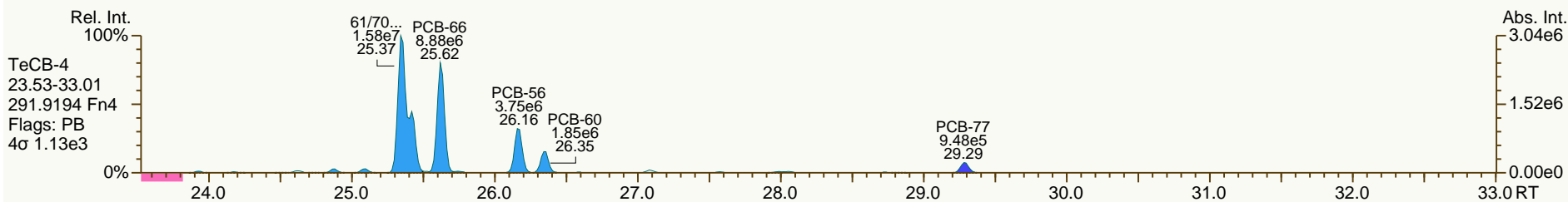
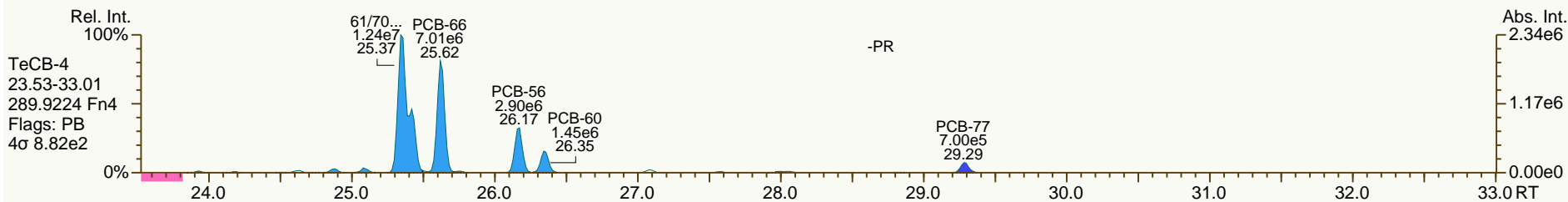
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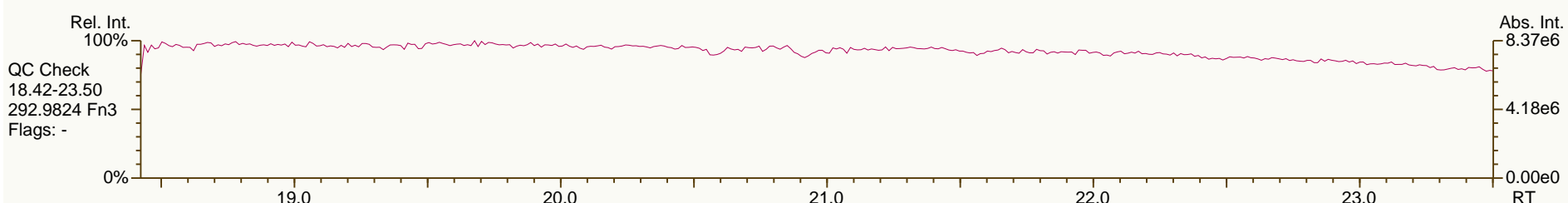
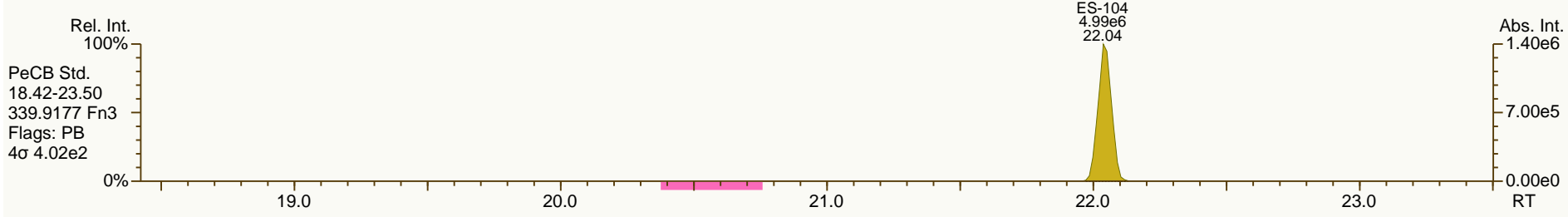
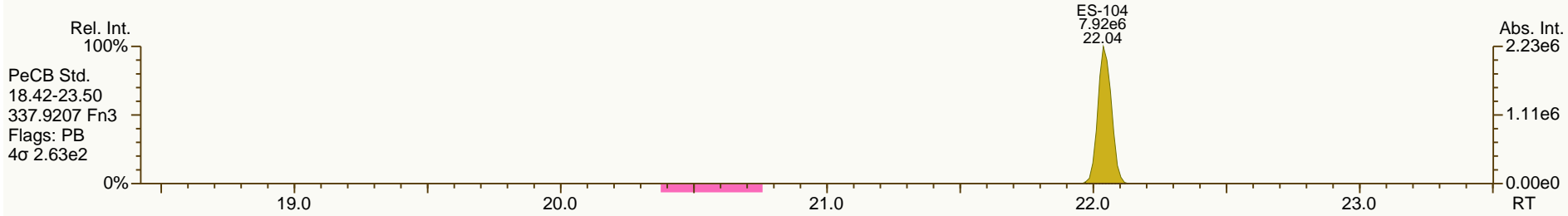
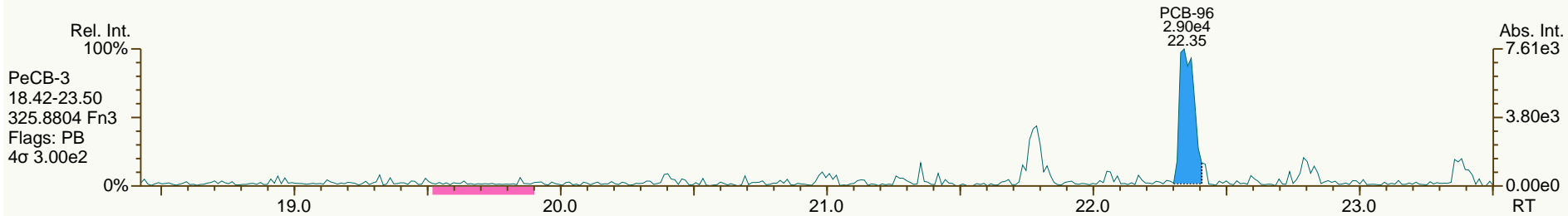
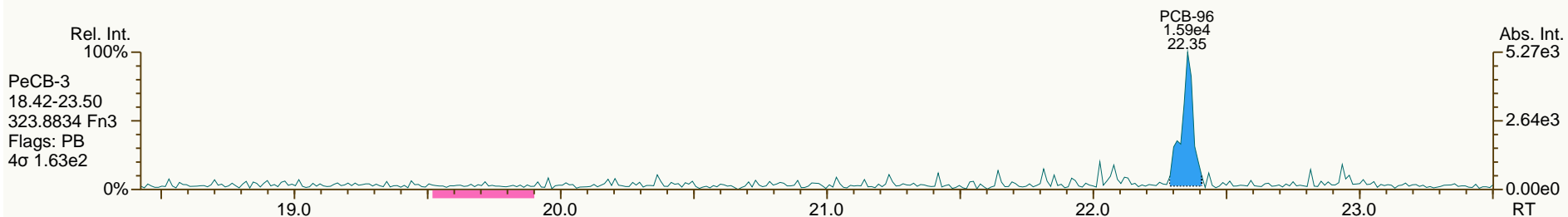
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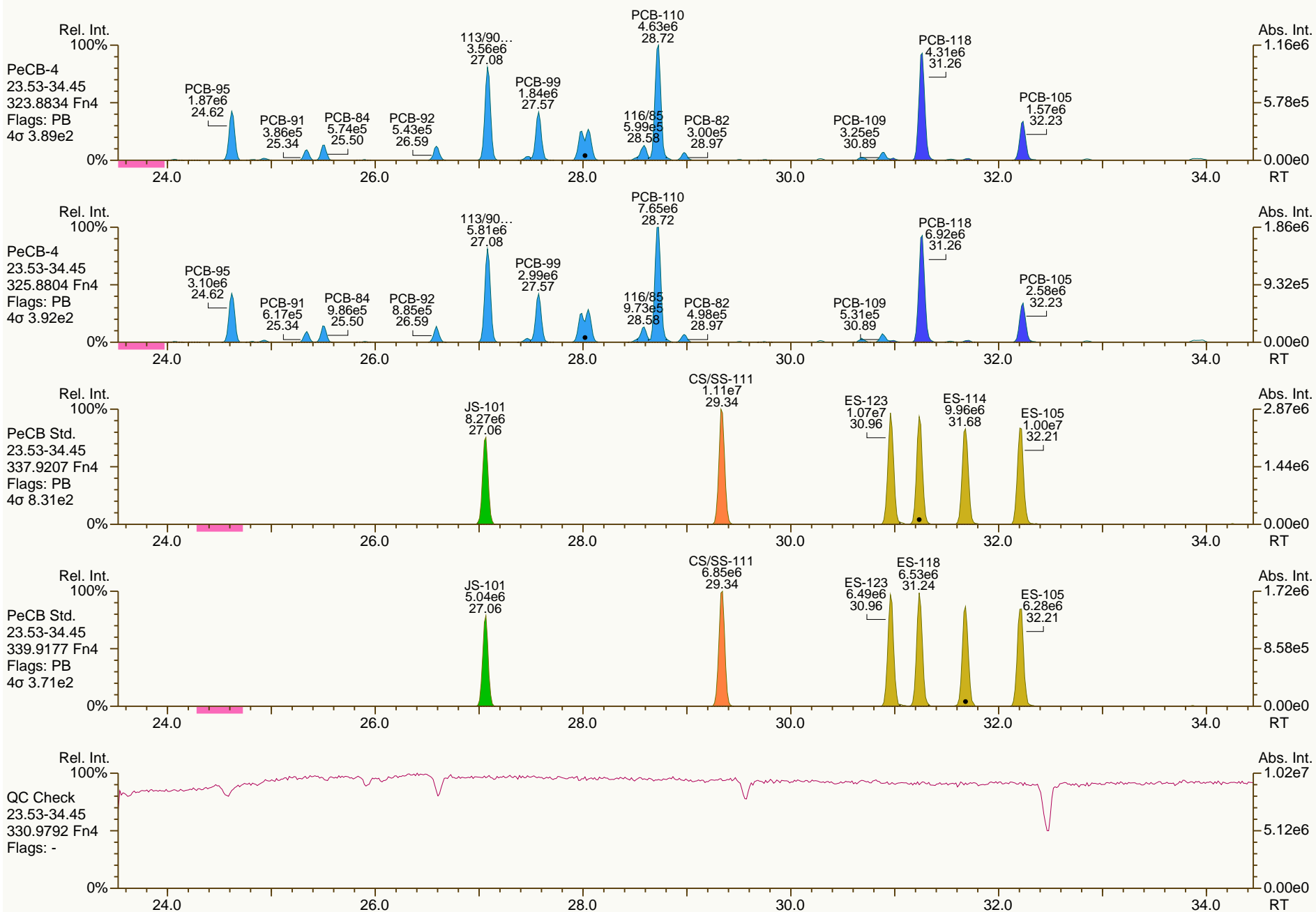
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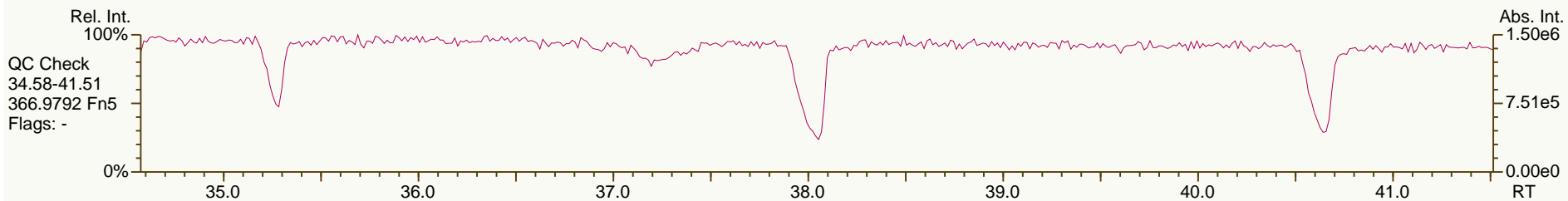
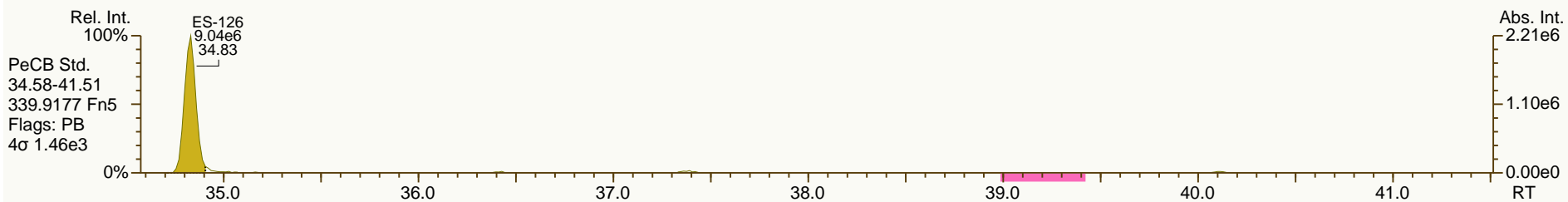
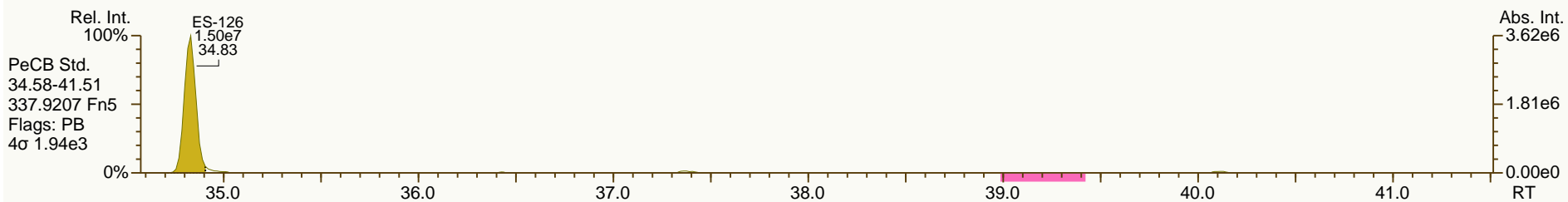
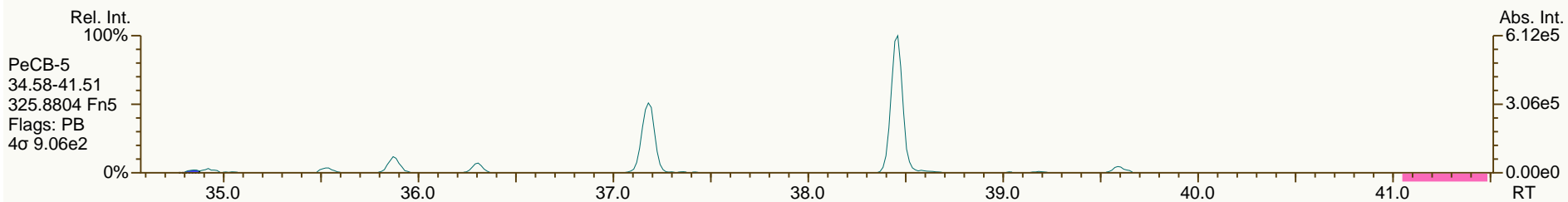
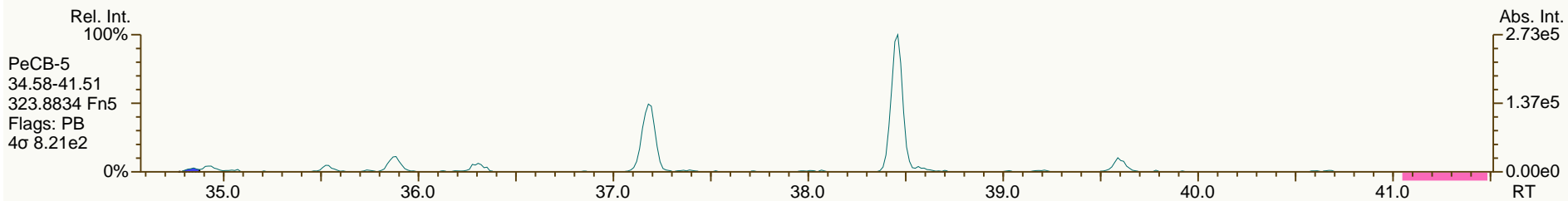
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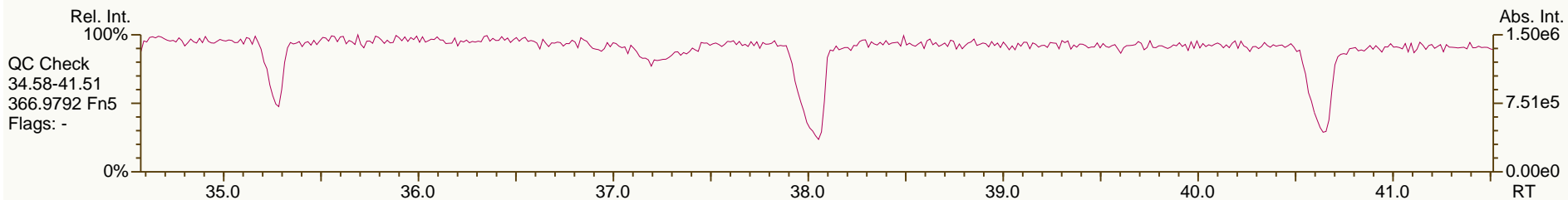
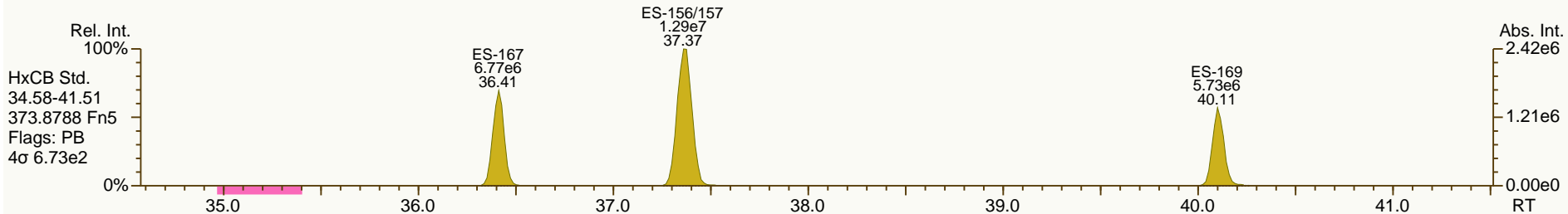
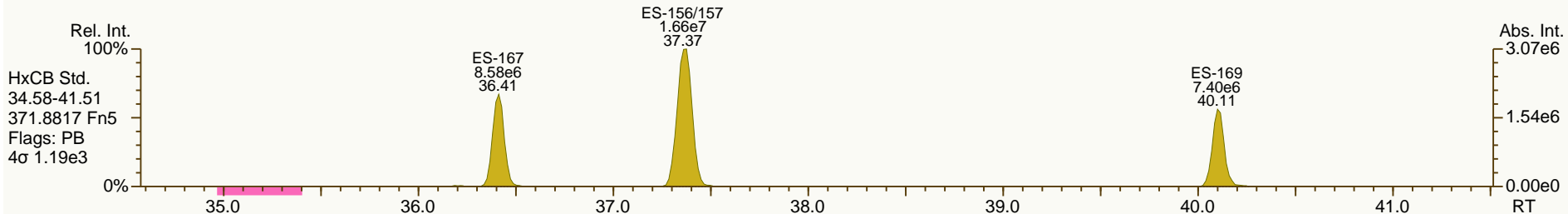
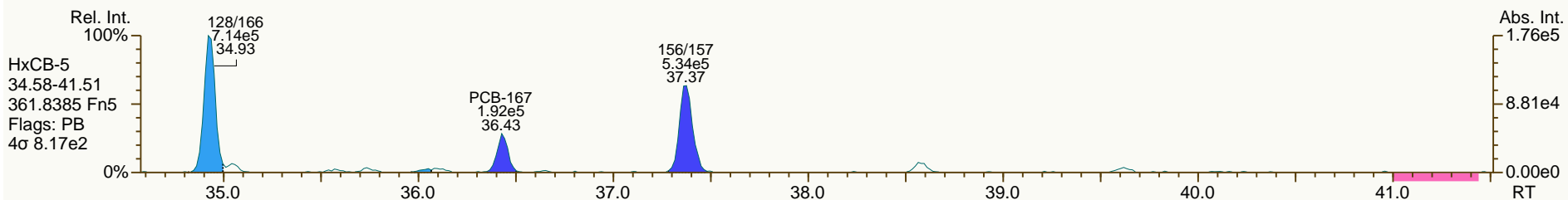
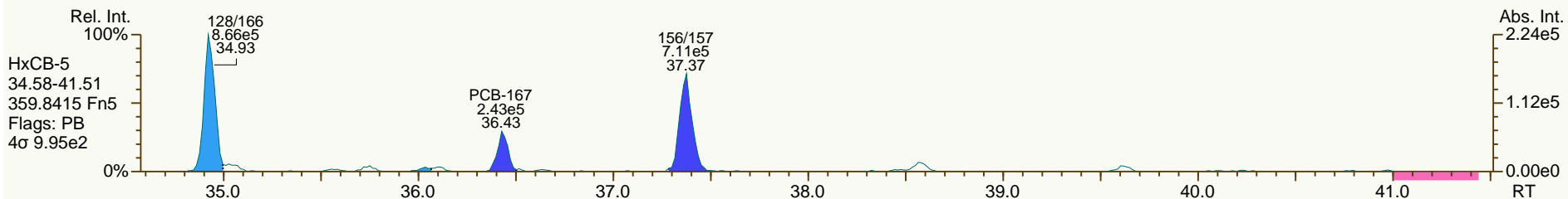
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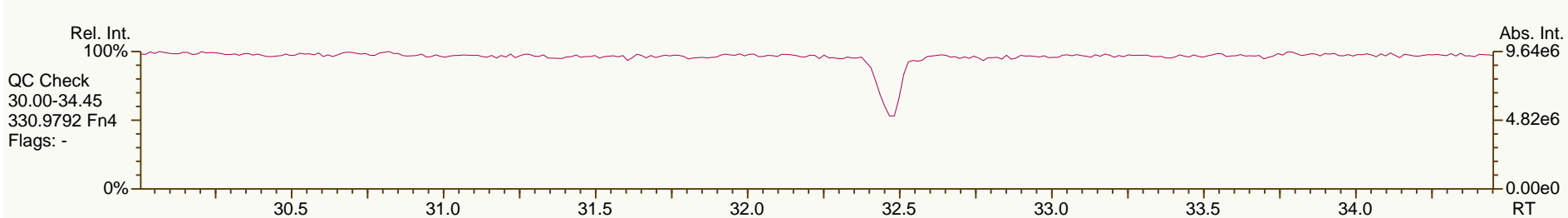
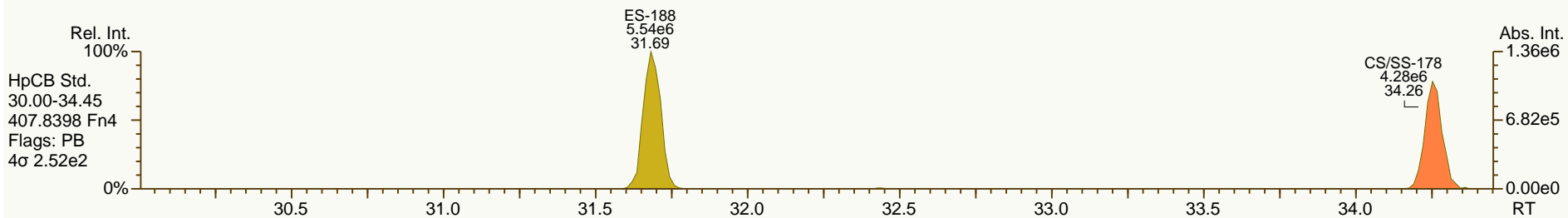
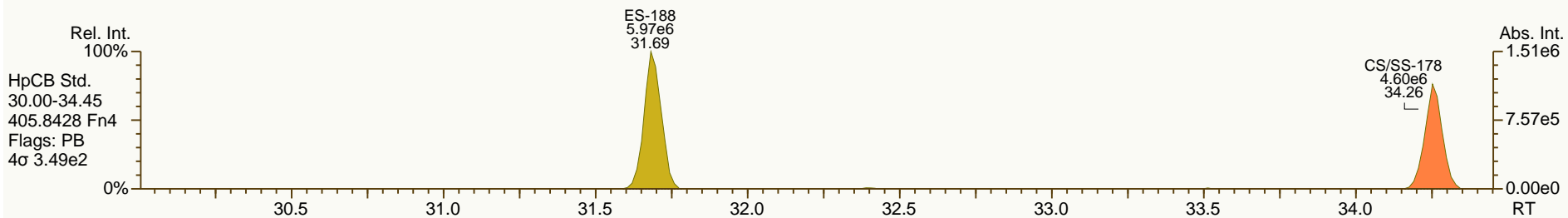
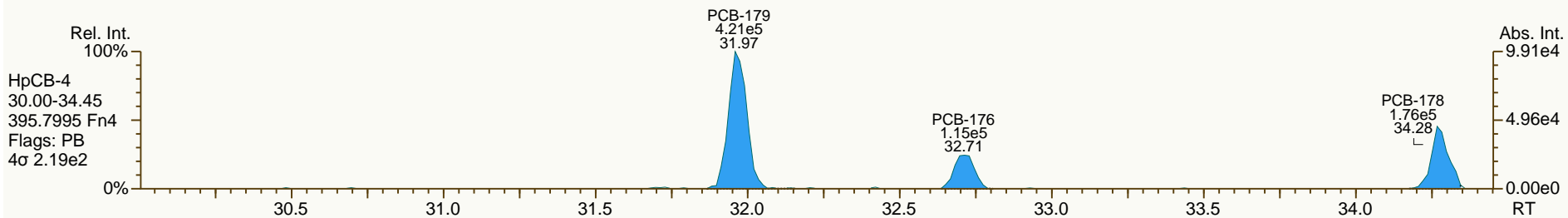
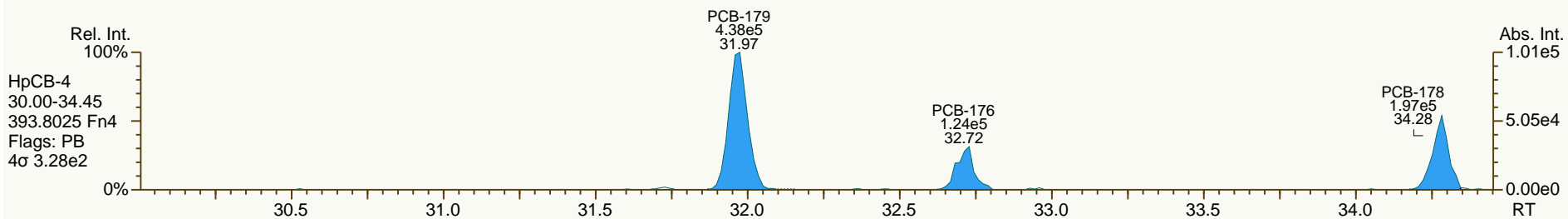
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

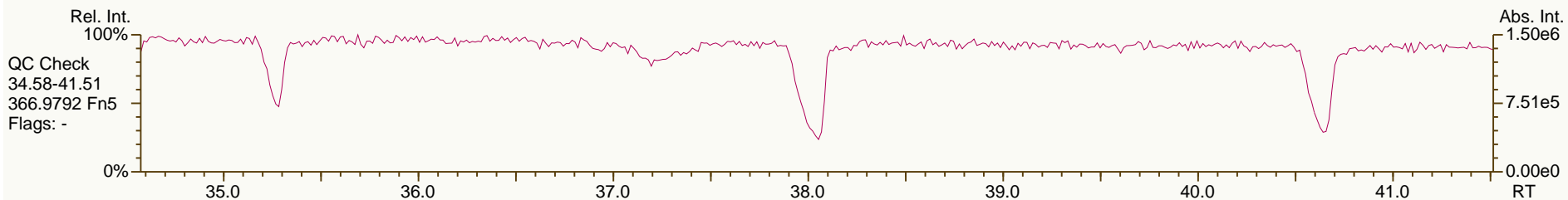
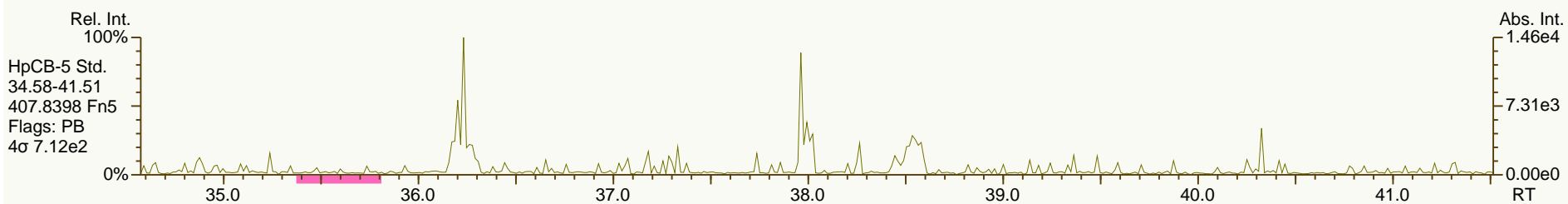
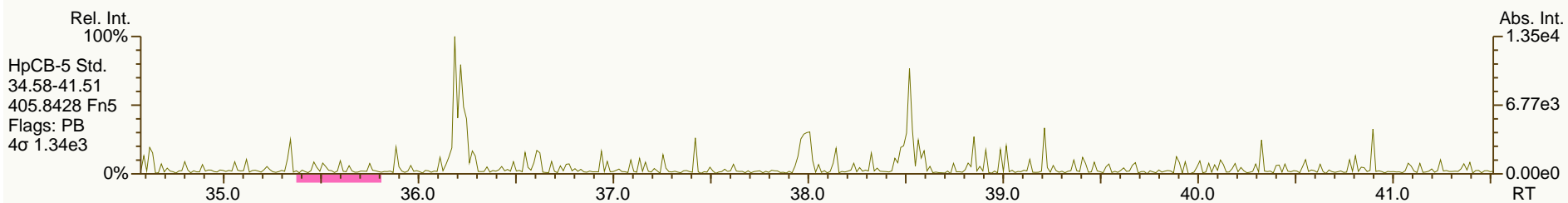
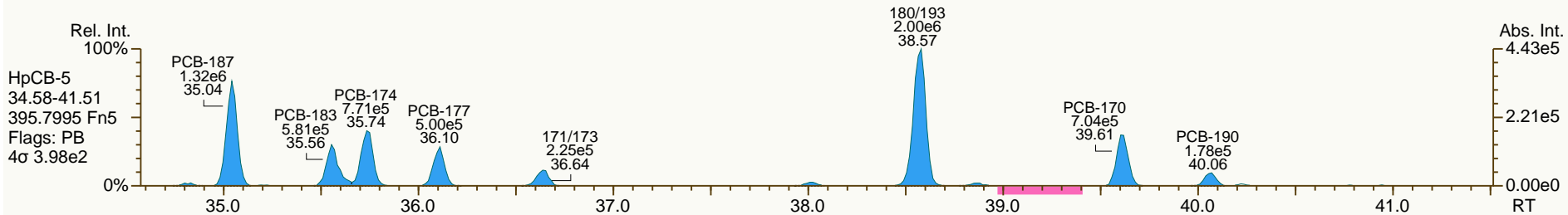
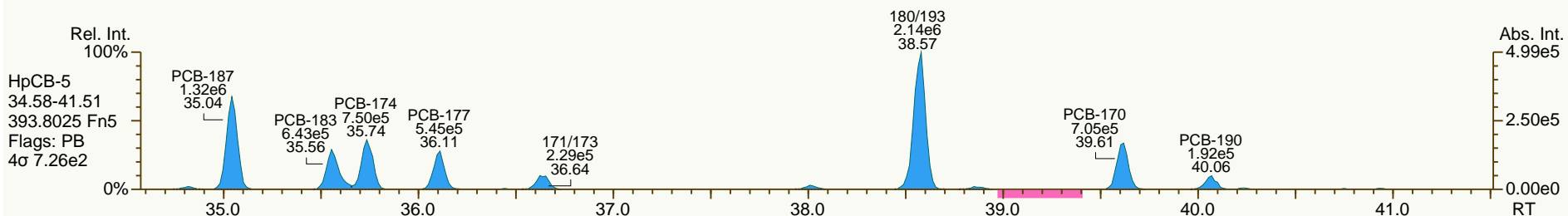
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

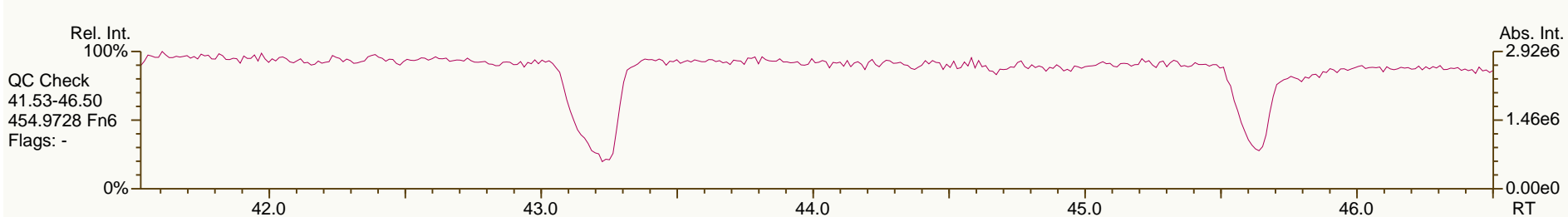
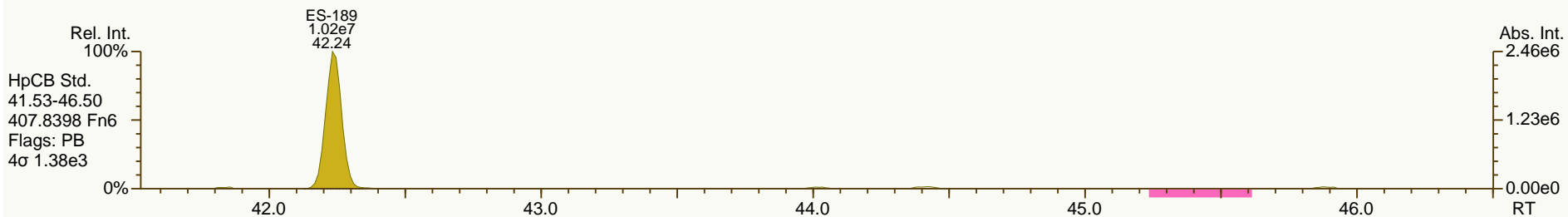
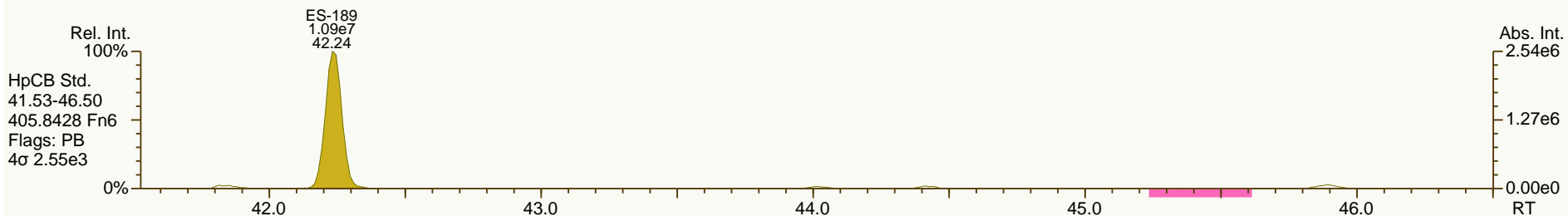
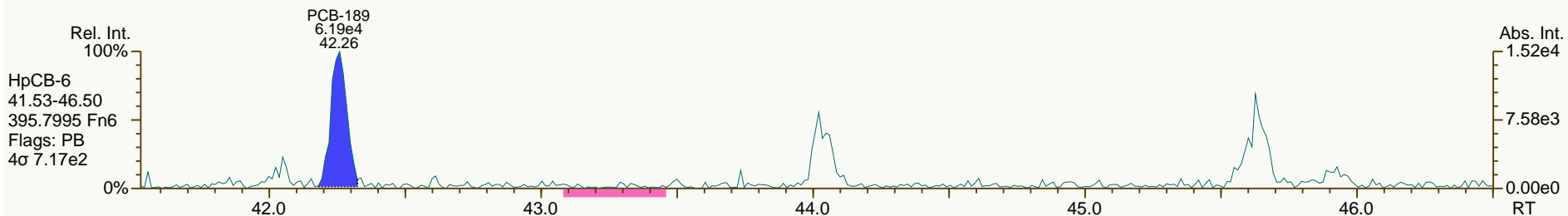
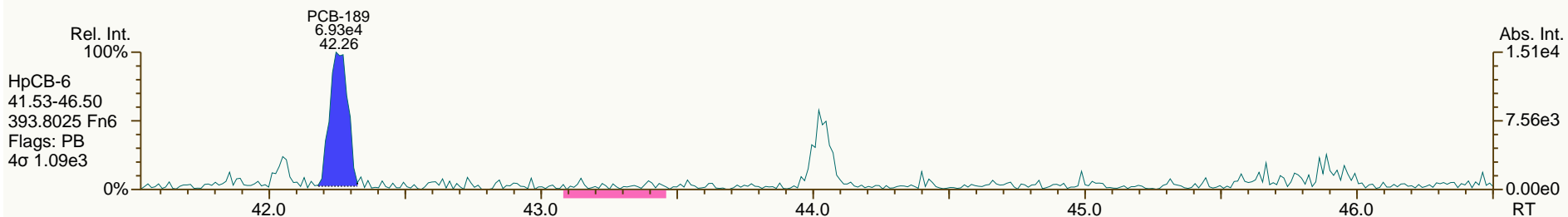
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

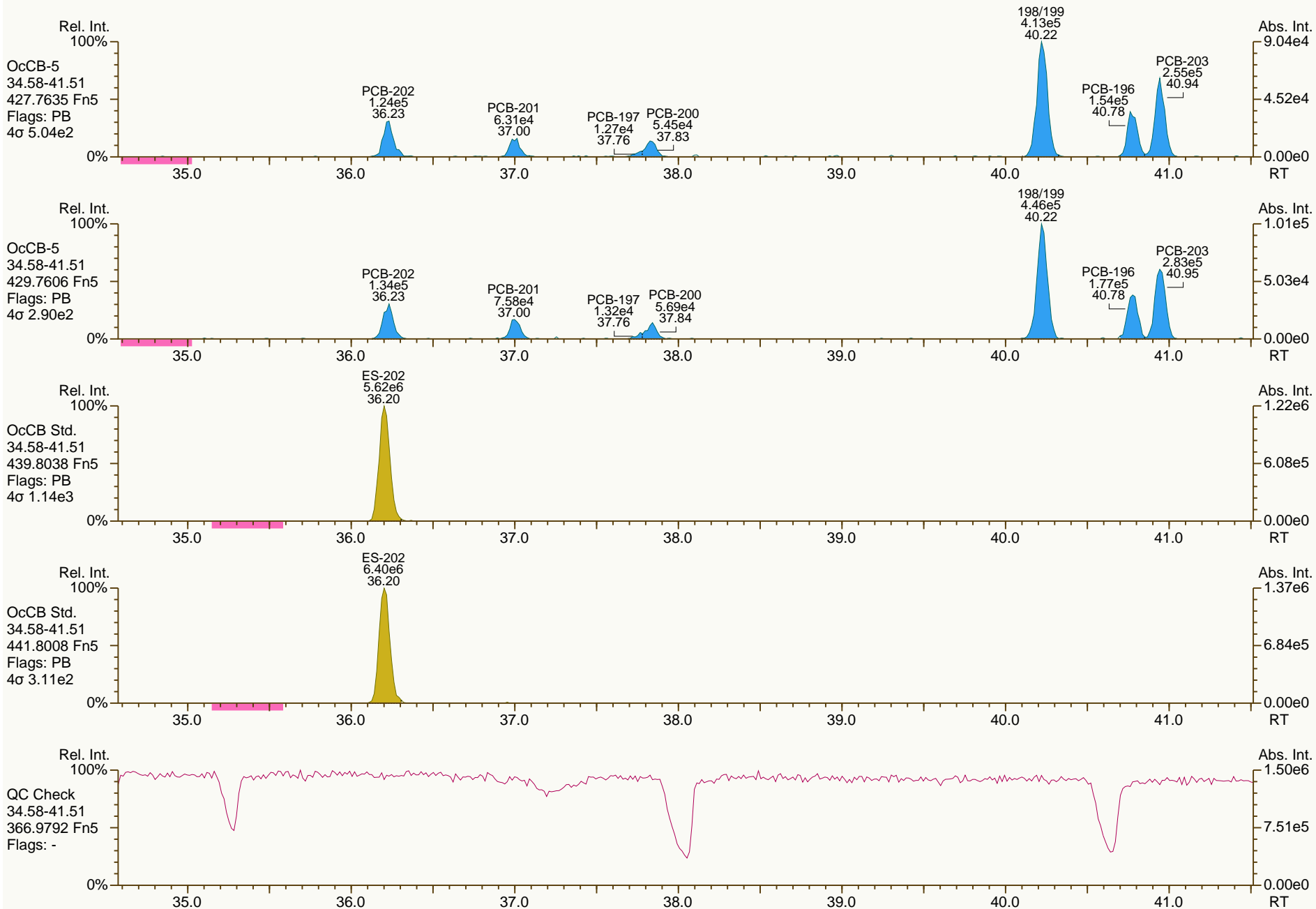
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

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 User: LKB Datafile: 120705S07



AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
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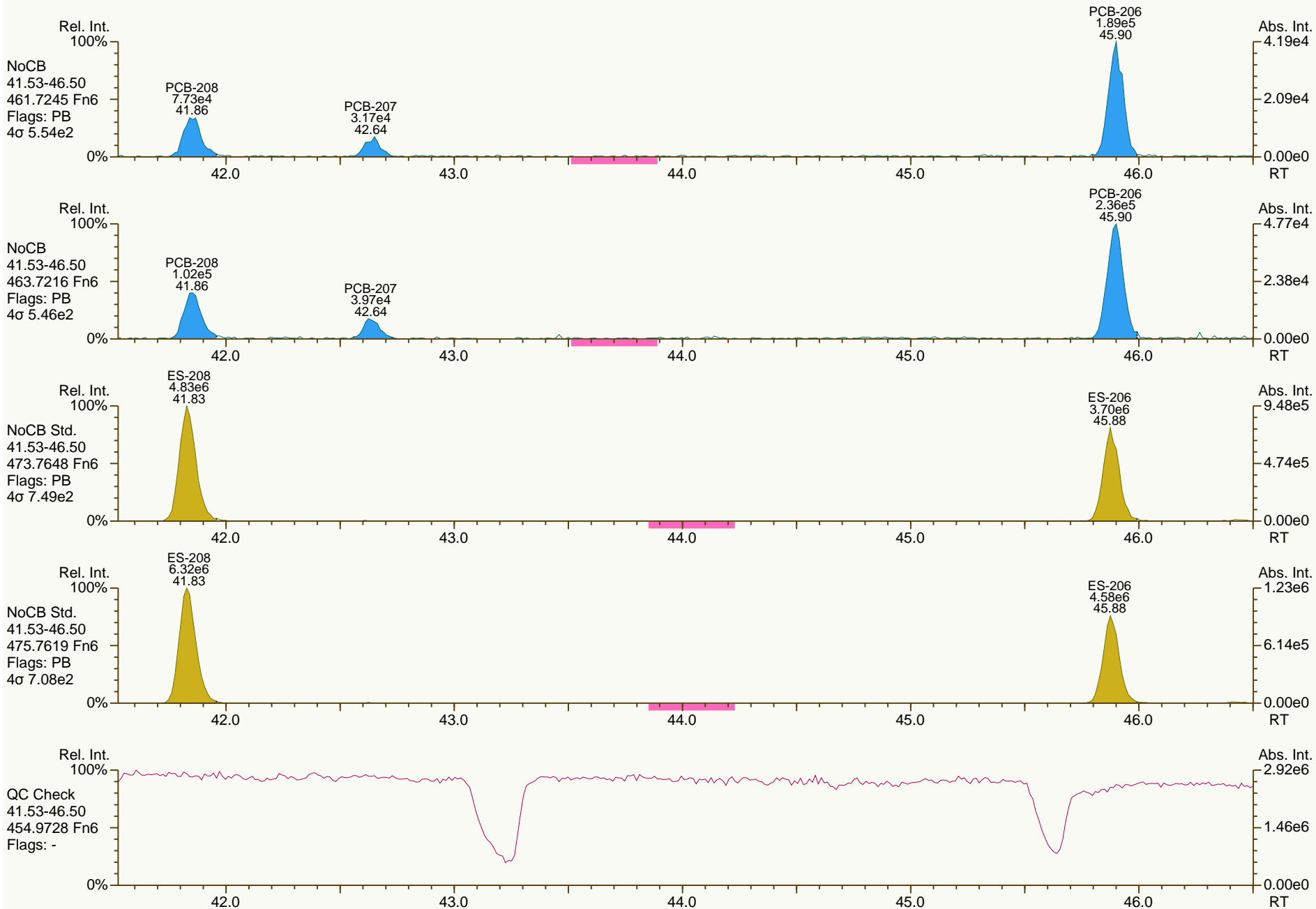
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

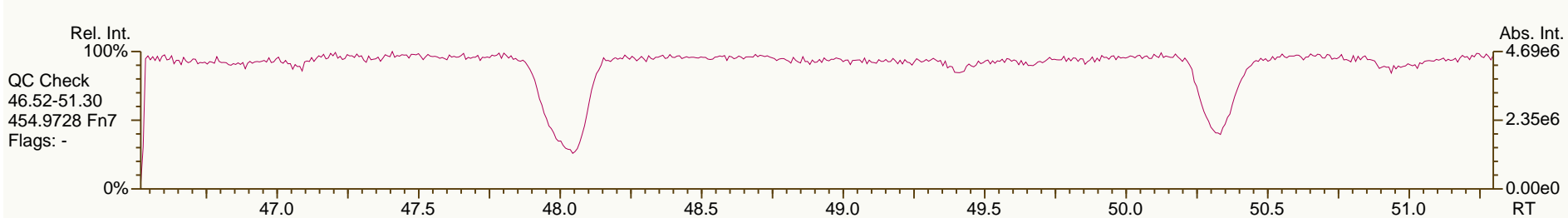
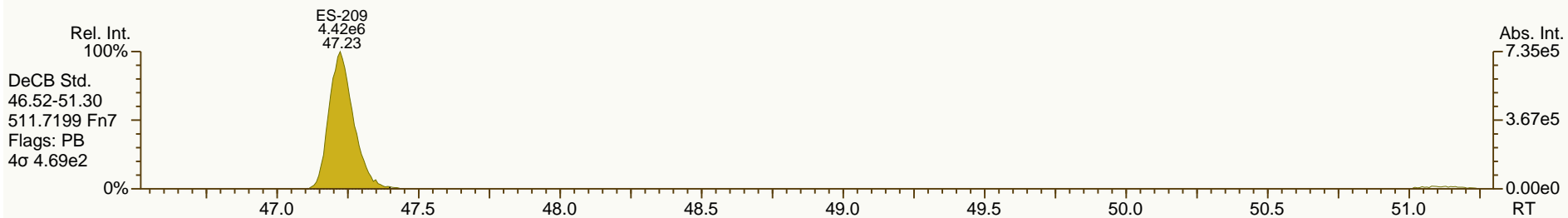
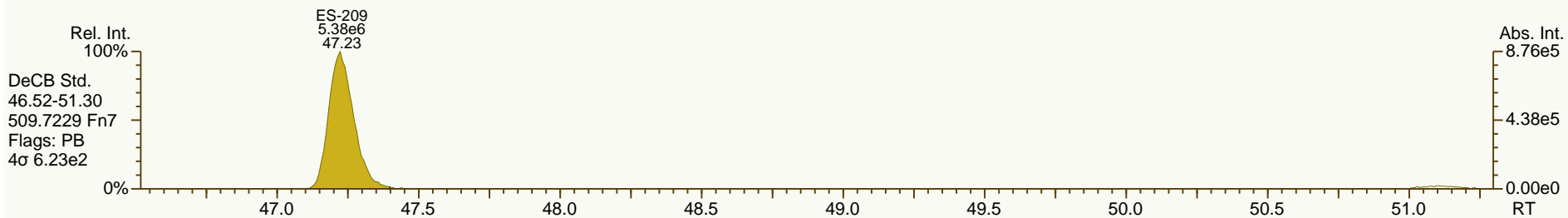
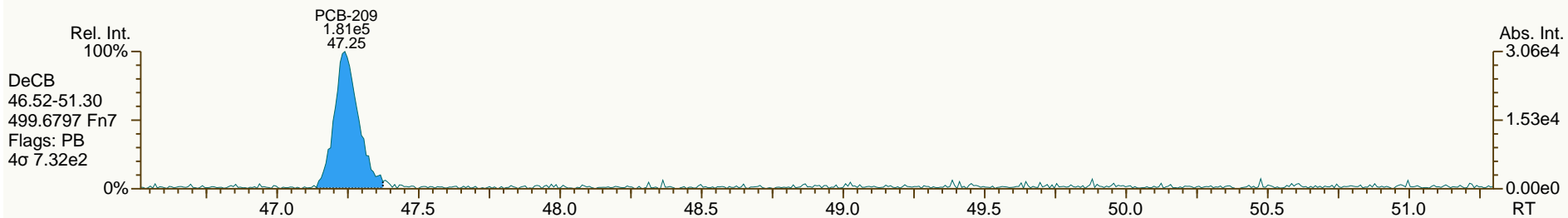
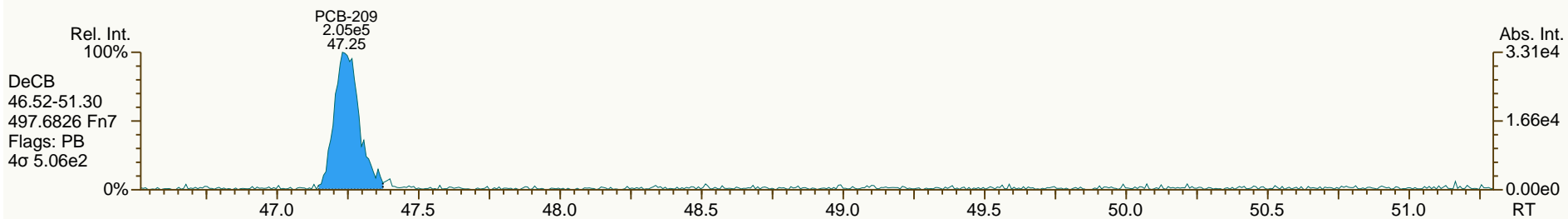
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

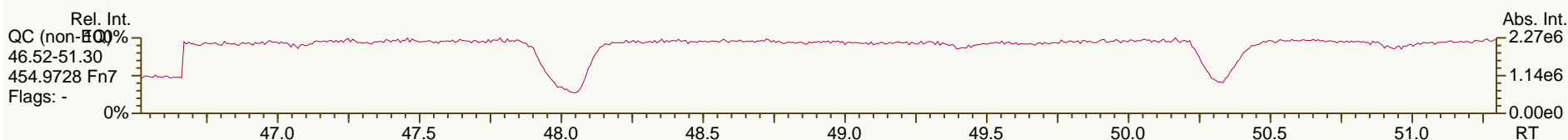
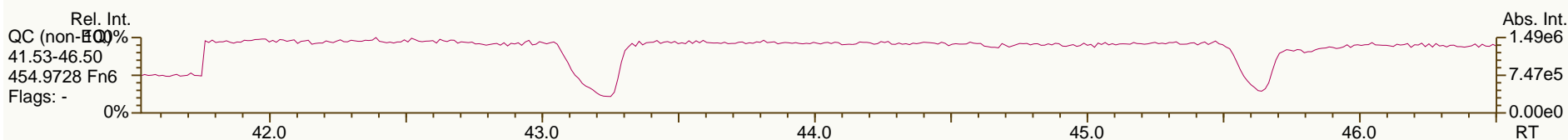
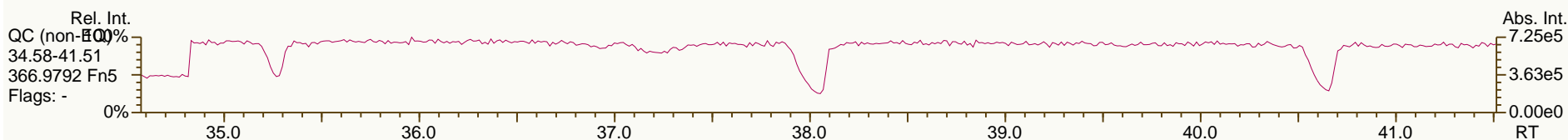
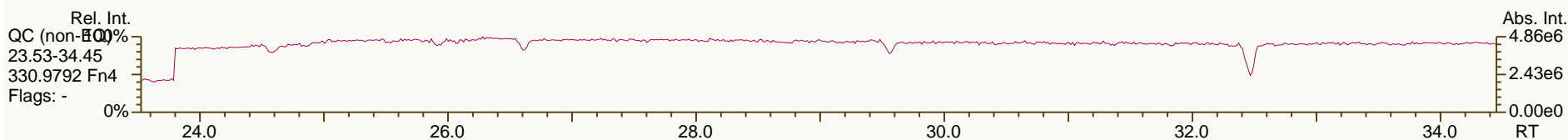
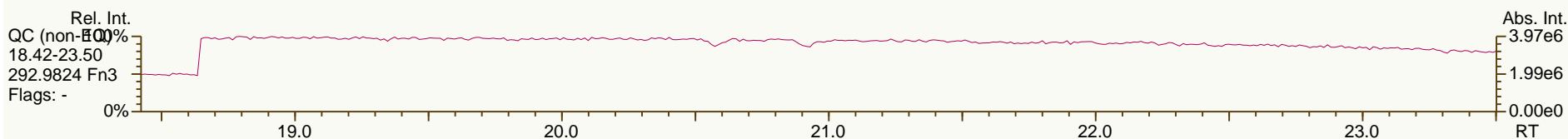
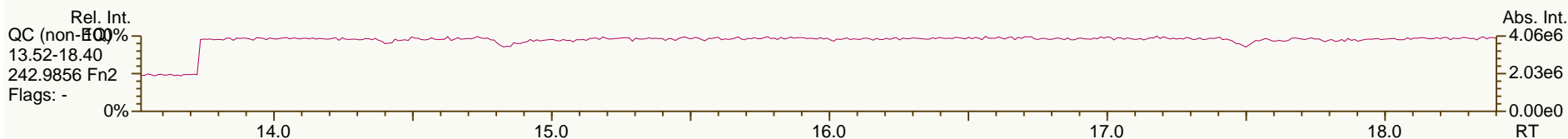
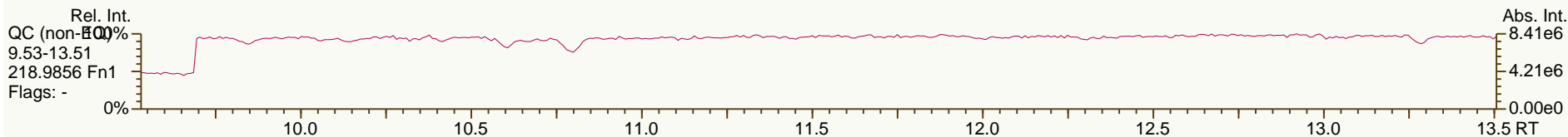
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AP Lab ID: A4371_9893_PCB_003-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA06-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 33

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Lab ID: A4371_9893_PCB_004-RJ

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Checkcode: 302-095-KNN

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Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0005	-0.2	9.43E+04	0.85	1.22	1.89	2.66E+03	0.547
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.66E+03	0.501
PCB-105 233'44'-PeCB	32.23		1.0007	1.0008	+0.2	5.41E+05	0.64	1.03	20.5	7.93E+02	0.303
PCB-114 2344'5'-PeCB	31.69	J	1.0007	1.0006	-0.2	2.80E+04	0.67	1.10	1.02	7.93E+02	0.302
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	1.45E+06	0.64	1.03	51.5	7.93E+02	0.274
PCB-123 23'44'5'-PeCB	30.97	J	1.0007	1.0006	-0.2	2.24E+04	0.63	0.93	0.9	7.93E+02	0.319
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.28E+03	0.312
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0003	-0.4	2.29E+05	1.26	1.05	9.89	1.25E+03	0.742
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0005	-0.2	7.97E+04	1.22	1.08	2.97	1.25E+03	0.458
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.25E+03	0.545
PCB-189 233'44'55'-HpCB	42.24	J EMPC	1.0005	1.0005	0	1.97E+04	0.80	1.11	0.508	1.58E+03	0.435
PCB-209 DeCB	47.22		1.0004	1.0004	0	2.62E+05	1.22	1.05	15.1	1.54E+03	1.34
ES PCB-1	9.85		0.7181	0.7176	-0.3	7.46E+06	3.39	1.01	50.5 %	4%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	7.65E+06	3.27	1.05	49.8 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	4.11E+06	1.67	0.70	40.3 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	1.26E+07	1.67	1.17	73.6 %	19%	107%
ES PCB-19	14.68		1.0698	1.0698	0	4.48E+06	1.05	0.57	54.1 %	1%	108%
ES PCB-37	23.09		1.0865	1.0873	+1.1	1.06E+07	1.10	1.41	123 %	25%	123%
ES PCB-54	17.32		0.8157	0.8155	-0.2	6.30E+06	0.77	1.32	78 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3778	+0.2	1.18E+07	0.80	1.22	158 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3559	+0.3	1.23E+07	0.81	1.15	174 %	14%	127%
ES PCB-104	22.04		0.8147	0.8147	0	5.84E+06	1.57	1.69	58.1 %	36%	115%
ES PCB-105	32.20		1.1906	1.1902	-0.8	7.45E+06	1.61	1.21	104 %	50%	111%
ES PCB-114	31.67		1.1709	1.1706	-0.6	7.24E+06	1.64	1.23	98.6 %	41%	121%
ES PCB-118	31.23		1.1547	1.1543	-0.7	7.86E+06	1.64	1.25	106 %	49%	111%
ES PCB-123	30.96		1.1444	1.1441	-0.6	7.78E+06	1.67	1.33	98.5 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2869	-0.4	1.09E+07	1.70	1.36	135 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7941	+0.3	6.66E+06	1.31	1.40	92.1 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1036	+0.2	1.28E+07	1.29	1.13	110 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	7.17E+06	1.31	1.13	123 %	45%	118%
ES PCB-169	40.09		1.1842	1.1844	+0.5	6.62E+06	1.26	1.14	112 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7203	-0.2	5.68E+06	1.11	1.34	82.2 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9598	0	1.01E+07	1.08	1.77	131 %	47%	116%
ES PCB-202	36.19		0.8230	0.8229	-0.2	5.64E+06	0.88	1.27	86.1 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	6.16E+06	0.92	1.25	112 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High	
ES PCB-206	45.84		1.0424	1.0423	-0.3	3.60E+06	0.77	1.07	76.9 %	38%	122%	
ES PCB-208	41.81		0.9508	0.9507	-0.3	5.32E+06	0.78	1.34	90.6 %	31%	126%	
ES PCB-209	47.20		1.0732	1.0731	-0.3	4.78E+06	1.23	1.18	92 %	43%	115%	
CS/SS PCB-28	19.69		0.9269	0.9269	0	1.06E+07	1.10	0.98	102 %	14%	131%	
CS/SS PCB-111	29.33		1.0843	1.0841	-0.4	7.71E+06	1.61	0.90	110 %	57%	112%	
CS/SS PCB-178	34.25		1.0118	1.0118	0	3.97E+06	1.14	0.65	108 %	57%	125%	
CS PCB-28	19.69		0.9269	0.9269	0	1.06E+07	1.10	1.39	126 %	14%	131%	
CS PCB-111	29.33		1.0843	1.0841	-0.4	7.71E+06	1.61	1.19	109 %	57%	112%	
CS PCB-178	34.25		1.0118	1.0118	0	3.97E+06	1.14	0.87	88.8 %	57%	125%	
JS PCB-9	13.72					1.46E+07	1.67					
JS PCB-52	21.24					6.11E+06	0.81					
JS PCB-101	27.06					5.95E+06	1.55					
JS PCB-138	33.85					5.15E+06	1.23					
JS PCB-194	43.98					4.39E+06	0.92					
Totals						NON-EMPC	EMPC	DL				
						Mono-CBs	2.49	6.17	0.313			
						Di-CBs	54.1	54.1	1.75			
						Tri-CBs	181	183	1.03			
						Tetra-CBs	206	208	0.323			
						Penta-CBs	343	344	0.291			
						Hexa-CBs	409	414	0.489			
						Hepta-CBs	106	123	0.426			
						Octa-CBs	73.5	82.2	0.653			
						Nona-CBs	38.8	38.8	1.05			
PCB-1 2-MoCB	9.86	B	EMPC	1.0011	1.0010	-0.1	6.42E+04	3.76	1.20	2.08	1.75E+03	0.269
PCB-2 3-MoCB	11.63		EMPC	0.9878	0.9877	-0.1	5.29E+04	2.29	1.25	1.6	1.75E+03	0.323
PCB-3 4-MoCB	11.79			1.0010	1.0010	0	7.44E+04	3.24	1.13	2.49	1.75E+03	0.358
PCB-4 22'-DiCB	11.99			1.0012	1.0011	-0.1	7.02E+04	SI	0.94	5.24	3.25E+03	1.4
PCB-10 26-DiCB	NotFnd			1.0142	-		0.00E+00		1.65	ND	9.67E+03	2.39
PCB-9 25-DiCB	NotFnd			1.0011	-		0.00E+00		0.92	ND	1.11E+04	2.29
PCB-7 24-DiCB	NotFnd			1.0116	-		0.00E+00		1.04	ND	1.11E+04	2.03
PCB-6 23'-DiCB	14.08			1.0261	1.0261	0	9.31E+04	SI	1.01	2.13	3.65E+03	0.687
PCB-5 23-DiCB	NotFnd			1.0451	-		0.00E+00		0.99	ND	1.11E+04	2.14
PCB-8 24'-DiCB	14.46	B		1.0533	1.0535	+0.2	5.05E+05	1.36	1.03	11.3	1.11E+04	2.04
PCB-14 35-DiCB	NotFnd			0.9287	-		0.00E+00		1.15	ND	1.11E+04	1.84
PCB-11 33'-DiCB	16.59	B		0.9701	0.9701	0	8.65E+05	1.65	0.95	20.9	1.11E+04	2.21
PCB-13/12 34'/34-DiCB	16.84	J	C	0.9855	0.9848	-0.7	8.61E+04	SI	0.98	2.03	3.65E+03	0.708
PCB-15 44'-DiCB	17.11			1.0008	1.0009	+0.1	5.46E+05	1.43	1.01	12.5	1.11E+04	2.1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0013	+0.2	3.03E+04	1.07	1.01	1.94	2.51E+03	1.16
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	3.91E+05	1.09	1.24	20.3	2.51E+03	0.941
PCB-17 22'4-TrCB	16.67		1.1357	1.1357	0	1.98E+05	0.97	1.05	12.2	2.51E+03	1.12
PCB-27 23'6-TrCB	16.85	EMPC	1.1479	1.1480	+0.1	4.52E+04	1.24	1.39	2.1	2.51E+03	0.841
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.33	ND	2.51E+03	0.88
PCB-16 22'3-TrCB	17.05		1.1612	1.1615	+0.3	1.59E+05	1.06	0.83	12.4	2.51E+03	1.4
PCB-32 24'6-TrCB	17.51		1.1923	1.1926	+0.3	1.91E+05	1.04	1.50	8.26	2.51E+03	0.781
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.36	ND	4.31E+03	0.8
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.31E+03	0.764
PCB-26/29 23'5/245-TrCB	18.99	B C	0.8236	0.8221	-1.7	3.08E+05	0.98	1.42	5.94	4.31E+03	0.769
PCB-25 23'4-TrCB	19.19		0.8315	0.8309	-0.7	1.47E+05	0.94	1.42	2.82	4.31E+03	0.765
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.72E+06	1.08	1.48	31.7	4.31E+03	0.737
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8534	-0.9	2.20E+06	1.09	1.41	42.5	4.31E+03	0.77
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8618	+0.7	7.63E+05	1.09	1.43	14.5	4.31E+03	0.759
PCB-22 234'-TrCB	20.23		0.8766	0.8761	-0.6	7.07E+05	1.09	1.34	14.5	4.31E+03	0.815
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.39	ND	4.31E+03	0.785
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.44	ND	4.31E+03	0.758
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.31E+03	0.851
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.28	ND	4.31E+03	0.854
PCB-37 344'-TrCB	23.12		1.0008	1.0010	+0.3	6.27E+05	1.17	1.20	14.3	4.31E+03	0.909
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	5.34E+02	0.208
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	1.03E+05	0.77	0.80	3.03	5.87E+02	0.172
PCB-45 22'36-TeCB	19.76		0.9304	0.9304	0	1.07E+05	0.70	0.68	3.71	5.87E+02	0.202
PCB-51 22'46'-TeCB	19.84	J	0.9340	0.9341	+0.1	3.38E+04	0.81	0.81	0.989	5.87E+02	0.171
PCB-46 22'36'-TeCB	20.03		0.9429	0.9429	0	4.49E+04	0.69	0.66	1.61	5.87E+02	0.21
PCB-52 22'55'-TeCB	21.26	B	1.0010	1.0010	0	9.51E+05	0.77	0.73	30.6	5.87E+02	0.188
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.97	ND	5.87E+02	0.143
PCB-43 22'35-TeCB	21.46	J EMPC	1.0106	1.0104	-0.3	2.26E+04	0.62	0.67	0.8	5.87E+02	0.206
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0206	+1.0	5.95E+05	0.80	0.90	15.6	5.87E+02	0.153
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.71E+05	0.79	0.74	5.45	5.87E+02	0.186
PCB-44/47/65 ...-TeCB	22.11	C	1.0416	1.0408	-1.1	9.20E+05	0.76	0.80	27	5.87E+02	0.172
PCB-59/62/75 ...-TeCB	22.39	J C	1.0541	1.0539	-0.3	1.08E+05	0.78	1.01	2.53	5.87E+02	0.137
PCB-42 22'34'-TeCB	22.55		1.0612	1.0614	+0.3	2.21E+05	0.89	0.71	7.38	5.87E+02	0.195
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	7.65E+04	0.81	0.62	2.92	5.87E+02	0.223
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0811	+0.7	3.82E+05	0.78	0.77	11.8	5.87E+02	0.18
PCB-64 234'6-TeCB	23.16		1.0899	1.0906	+1.0	5.07E+05	0.75	1.07	11.2	5.87E+02	0.128
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.28	ND	2.66E+03	0.488
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.33	ND	2.66E+03	0.468
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.20	ND	2.66E+03	0.521
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.20	ND	2.66E+03	0.522
PCB-67 23'45-TeCB	24.87	J	0.8620	0.8635	+2.2	7.35E+04	0.87	1.23	1.42	2.66E+03	0.508
PCB-63 234'5-TeCB	25.08	J EMPC	0.8697	0.8709	+1.8	5.59E+04	0.90	1.32	1	2.66E+03	0.473
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8807	+2.3	2.36E+06	0.78	1.23	45.3	2.66E+03	0.506
PCB-66 23'44'-TeCB	25.62		0.8888	0.8895	+1.1	1.10E+06	0.81	1.16	22.6	2.66E+03	0.54
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.17	ND	2.66E+03	0.531

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.84E+05	0.75	1.15	7.89	2.66E+03	0.543
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	1.75E+05	0.81	1.21	3.41	2.66E+03	0.516
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.34	ND	2.66E+03	0.465
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.26	ND	2.66E+03	0.496
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.04	ND	2.66E+03	0.601
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	4.53E+02	0.235
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.93	ND	4.53E+02	0.231
PCB-103 22'45'6'-PeCB	24.05	J	0.8883	0.8890	+1.0	1.43E+04	0.53	0.86	0.616	7.93E+02	0.341
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.76	ND	7.93E+02	0.39
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9095	+1.9	8.30E+05	0.61	0.83	37.3	7.93E+02	0.356
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.83	ND	7.93E+02	0.356
PCB-102 22'456'-PeCB	24.92	J	0.9198	0.9212	+2.1	3.75E+04	0.59	0.98	1.43	7.93E+02	0.302
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.72	ND	7.93E+02	0.411
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.74	ND	7.93E+02	0.4
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9362	+1.5	1.44E+05	0.62	0.90	5.9	7.93E+02	0.326
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9424	+1.2	2.34E+05	0.64	0.71	12.3	7.93E+02	0.418
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.74	ND	7.93E+02	0.399
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		1.07	ND	7.93E+02	0.277
PCB-92 22'355'-PeCB	26.59		0.9825	0.9827	+0.3	2.11E+05	0.65	0.74	10.5	7.93E+02	0.396
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	1.24E+06	0.63	0.88	52.5	7.93E+02	0.336
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0149	-0.2	5.70E+04	0.70	0.64	3.29	7.93E+02	0.458
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	5.90E+05	0.63	0.78	28.1	7.93E+02	0.378
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		1.03	ND	7.93E+02	0.285
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0355	+1.3	8.11E+05	0.61	0.90	33.6	7.93E+02	0.328
PCB-117 234'56'-PeCB	28.52		1.0539	1.0542	+0.5	5.17E+04	0.65	0.71	2.69	7.93E+02	0.413
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	1.91E+05	0.61	1.00	7.09	7.93E+02	0.295
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0613	-0.3	1.66E+06	0.63	0.99	62.2	7.93E+02	0.297
PCB-115 2344'6'-PeCB	28.81	J EMPC	1.0644	1.0647	+0.5	2.94E+04	0.85	1.00	1.09	7.93E+02	0.294
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0707	-0.7	9.87E+04	0.67	0.65	5.68	7.93E+02	0.456
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		1.04	ND	7.93E+02	0.284
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		1.04	ND	7.93E+02	0.283
PCB-107/124 ...-PeCB	30.68	J C	0.9909	0.9910	+0.2	5.32E+04	0.57	0.96	2.06	7.93E+02	0.307
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	1.09E+05	0.68	0.98	4.14	7.93E+02	0.301
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.94	ND	7.93E+02	0.315
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.97	ND	7.93E+02	0.343
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.94	ND	7.93E+02	0.33
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.75E+02	0.211
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.75E+02	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.02	ND	5.75E+02	0.218
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	2.01E+05	1.24	0.92	9.45	5.75E+02	0.241
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.75E+02	0.234
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.72	ND	5.75E+02	0.309
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0982	-0.7	4.19E+05	1.31	0.70	26	5.75E+02	0.318
PCB-154 22'44'56'-HxCB	29.74	J EMPC	1.1067	1.1066	-0.2	2.08E+04	0.97	0.78	1.16	5.75E+02	0.285
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1156	-0.4	6.03E+04	1.33	0.70	3.75	5.75E+02	0.318

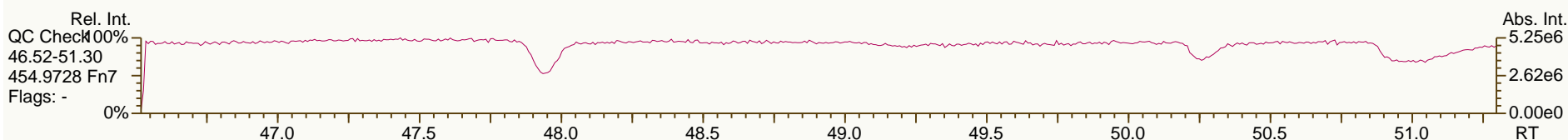
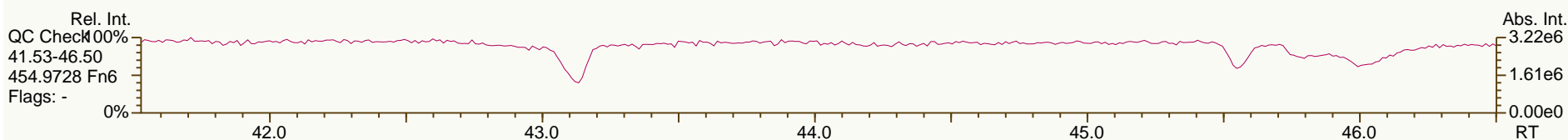
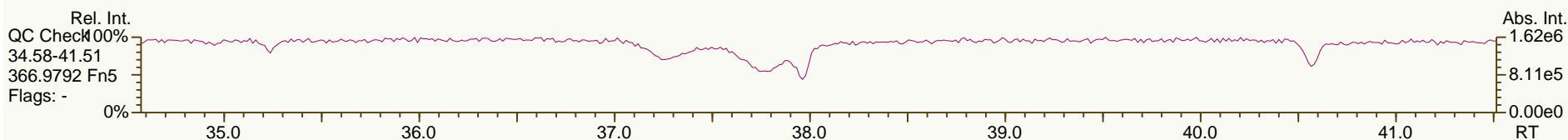
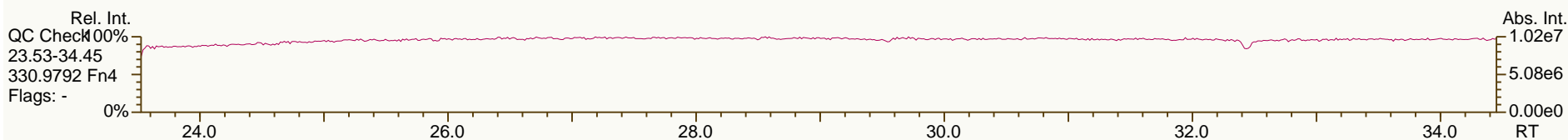
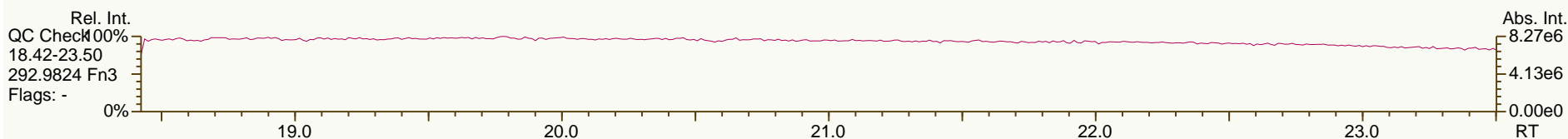
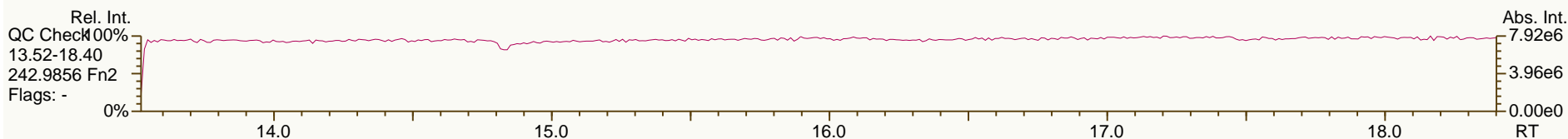
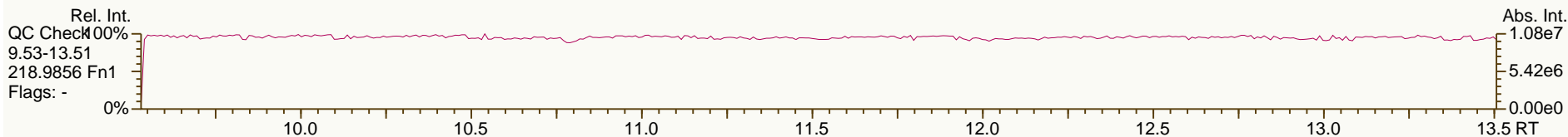
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1264	-0.9	1.06E+06	1.19	0.72	64.4	5.75E+02	0.31
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1324	-0.4	7.17E+04	1.40	0.59	5.32	5.75E+02	0.38
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.66	ND	5.75E+02	0.336
PCB-139/140 ...-HxCB	30.78	J EMPC C	1.1458	1.1453	-0.9	3.08E+04	1.49	0.73	1.83	5.75E+02	0.304
PCB-131 22'33'46"-HxCB	30.95	J EMPC	1.1516	1.1516	0	1.86E+04	0.89	0.61	1.32	5.75E+02	0.365
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.62	ND	5.75E+02	0.36
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1652	-0.6	4.52E+05	1.26	0.64	30.8	5.75E+02	0.349
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1822	-0.8	2.74E+04	1.36	0.64	1.86	5.75E+02	0.348
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.79	ND	5.75E+02	0.284
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	2.71E+05	1.31	0.68	17.4	5.75E+02	0.329
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.88	ND	5.75E+02	0.254
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9702	-1.4	1.52E+06	1.23	0.89	74.1	5.75E+02	0.251
PCB-141 22'3455"-HxCB	32.99		0.9746	0.9747	+0.2	2.30E+05	1.23	0.65	15.4	5.75E+02	0.343
PCB-130 22'33'45"-HxCB	33.33		0.9847	0.9848	+0.2	1.05E+05	1.25	0.58	7.84	5.75E+02	0.383
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9904	0	8.08E+04	1.14	0.66	5.32	5.75E+02	0.337
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	1.32E+05	1.25	0.89	6.45	5.75E+02	0.251
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	1.74E+06	1.25	0.72	106	5.75E+02	0.311
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.86	ND	5.75E+02	0.26
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	2.21E+05	1.23	0.93	10.3	5.75E+02	0.238
PCB-128/166 ...-HxCB	34.92	C	0.9593	0.9594	+0.2	3.06E+05	1.26	0.99	12.5	1.25E+03	0.501
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.05	ND	1.25E+03	0.47
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.12	ND	1.25E+03	0.442
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.18E+02	0.203
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0088	-0.2	1.68E+05	1.17	1.04	8.28	4.18E+02	0.209
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.00	ND	4.18E+02	0.215
PCB-176 22'33'466"-HpCB	32.70	EMPC	1.0324	1.0323	-0.2	4.14E+04	1.35	1.11	1.89	4.18E+02	0.194
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.05	ND	4.18E+02	0.207
PCB-178 22'33'55'6"-HpCB	34.27		1.0816	1.0817	+0.2	7.27E+04	0.98	0.80	4.62	4.18E+02	0.27
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.97	ND	1.03E+03	0.549
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	4.94E+05	1.00	1.03	24.4	1.03E+03	0.515
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		1.02	ND	1.03E+03	0.518
PCB-183 22'344'5'6"-HpCB	35.55		1.1219	1.1221	+0.4	1.92E+05	1.04	1.08	9.09	1.03E+03	0.494
PCB-185 22'3455'6"-HpCB	35.62	J	1.1241	1.1243	+0.4	2.22E+04	1.16	0.93	1.22	1.03E+03	0.569
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1277	+0.2	2.81E+05	1.09	0.84	17	1.03E+03	0.628
PCB-177 22'33'45'6"-HpCB	36.09	EMPC	1.1393	1.1393	0	1.64E+05	0.88	0.83	10	1.03E+03	0.636
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.94	ND	1.03E+03	0.564
PCB-171/173 ...-HpCB	36.62	EMPC C	1.1556	1.1561	+1.1	7.99E+04	0.82	0.84	4.83	1.03E+03	0.63
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	3.68E+04	1.08	0.61	1.73	1.03E+03	0.516
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.79	ND	1.03E+03	0.396
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9133	+1.4	7.86E+05	1.06	0.84	26.6	1.03E+03	0.373
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.80	ND	1.03E+03	0.392
PCB-170 22'33'44'5"-HpCB	39.60		0.9380	0.9380	0	2.54E+05	1.02	0.70	10.4	1.03E+03	0.45
PCB-190 233'44'56"-HpCB	40.05		0.9486	0.9486	0	7.05E+04	1.00	0.78	2.57	1.03E+03	0.401
PCB-202 22'33'55'66"-OoCB	36.21		1.0006	1.0006	0	1.03E+05	0.85	0.83	6.42	9.14E+02	0.614
PCB-201 22'33'45'66"-OoCB	36.99	EMPC	1.0221	1.0221	0	4.24E+04	0.65	0.99	2.2	9.14E+02	0.513

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.92	ND	9.14E+02	0.55
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.07	ND	9.14E+02	0.473
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0452	+0.2	2.74E+04	0.99	0.86	1.65	9.14E+02	0.593
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1109	+1.7	3.67E+05	0.86	0.69	27.1	9.14E+02	0.731
PCB-196 22'33'44'56'-OcCB	40.75	EMPC	1.1260	1.1260	0	8.93E+04	1.07	0.70	6.53	9.14E+02	0.723
PCB-203 22'344'55'6-OcCB	40.93		1.1306	1.1308	+0.5	2.39E+05	0.91	0.77	16	9.14E+02	0.663
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	6.57E+04	0.83	0.67	4.61	1.45E+03	1.13
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.79E+05	0.90	0.74	17.7	1.45E+03	1.02
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.45E+03	0.692
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0006	+0.3	1.34E+05	0.70	0.98	7.47	1.16E+03	0.878
PCB-207 22'33'44'566'-NoCB	42.62		1.0192	1.0191	-0.3	4.41E+04	0.84	1.01	2.36	1.16E+03	0.844
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	3.37E+05	0.82	0.93	29	1.16E+03	1.23

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Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

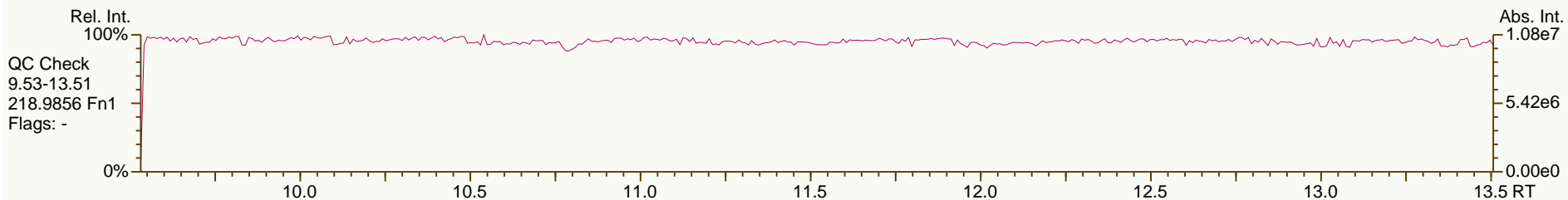
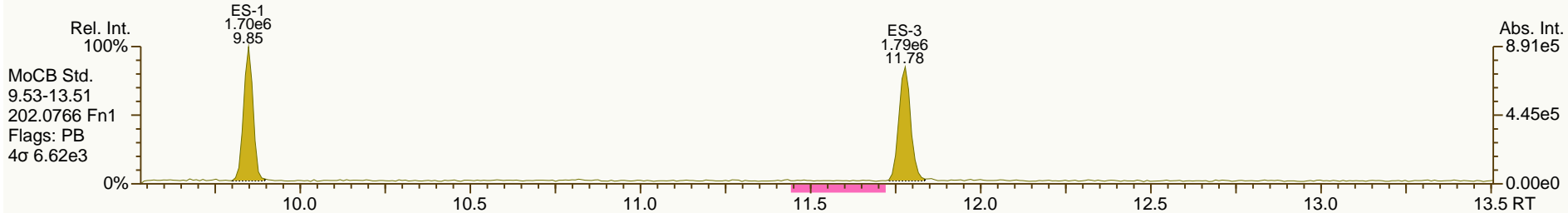
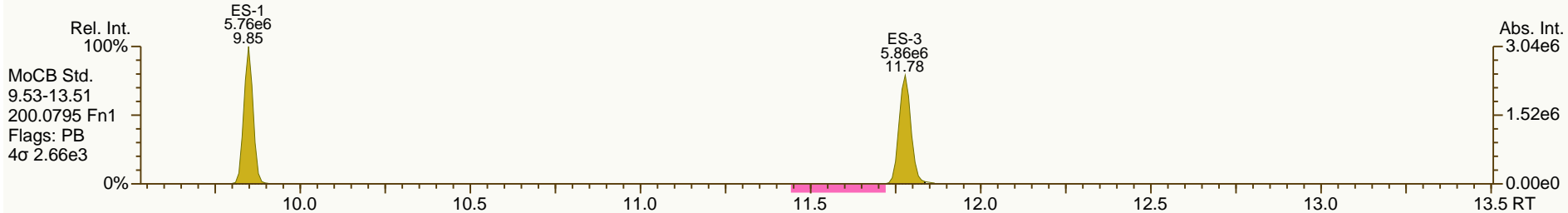
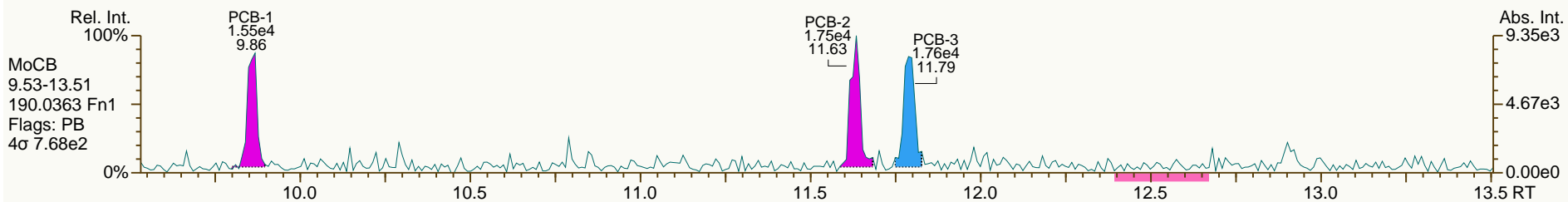
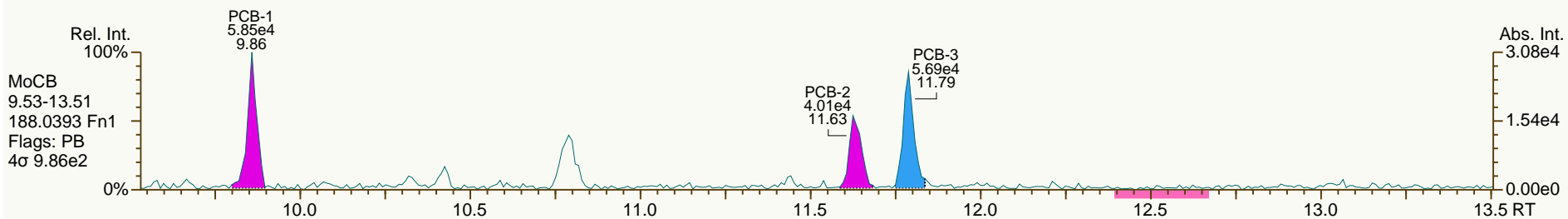
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AP Lab ID: A4371_9893_PCB_004-RJ
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Sample ID: JW-EA03-COMP-120507
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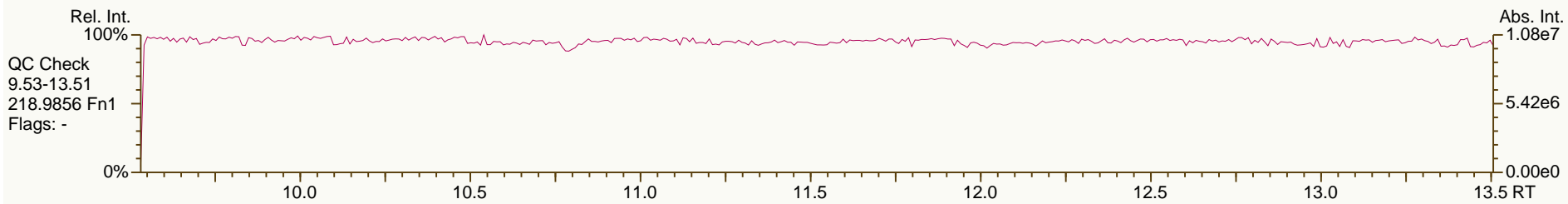
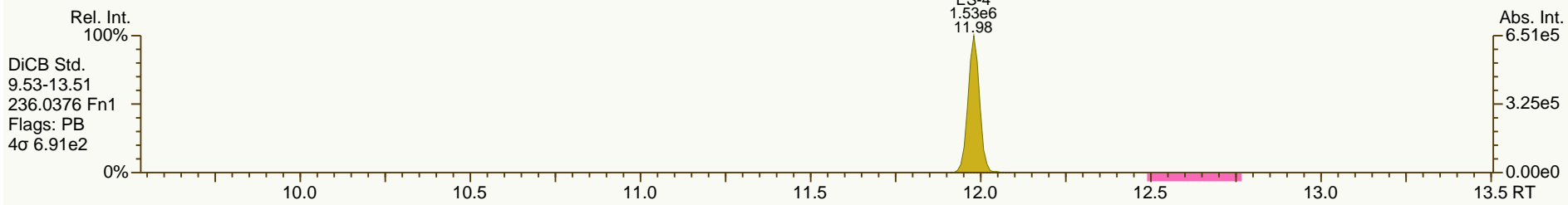
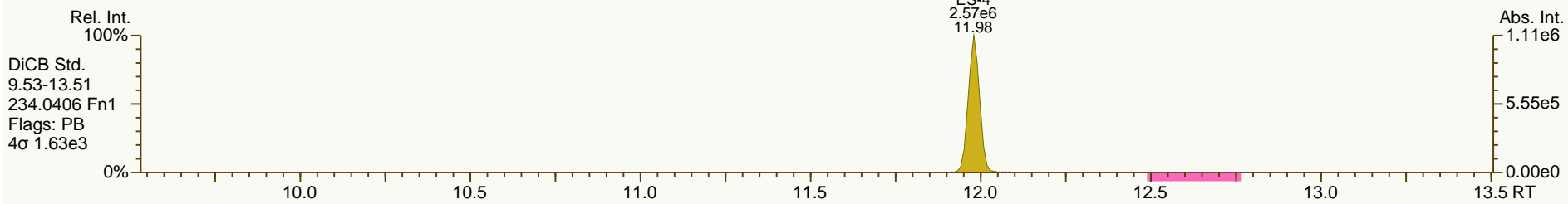
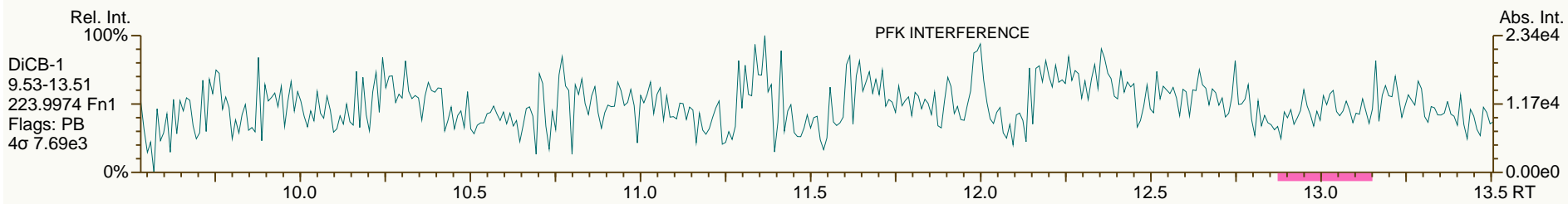
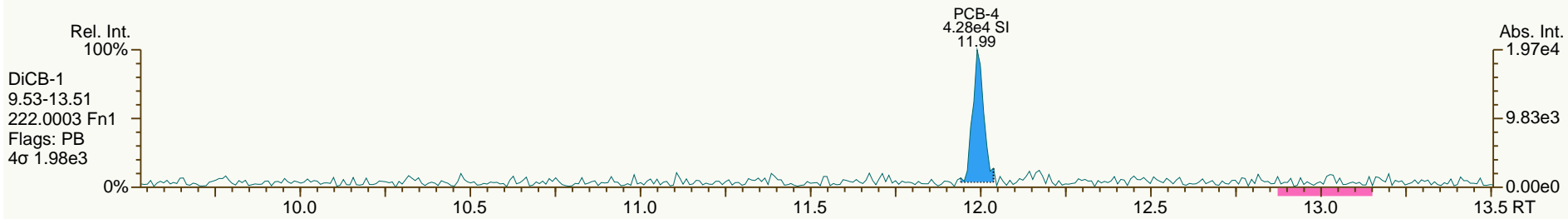
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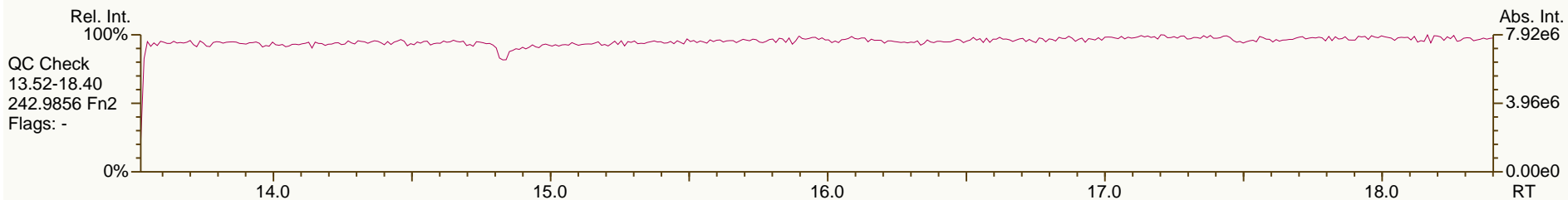
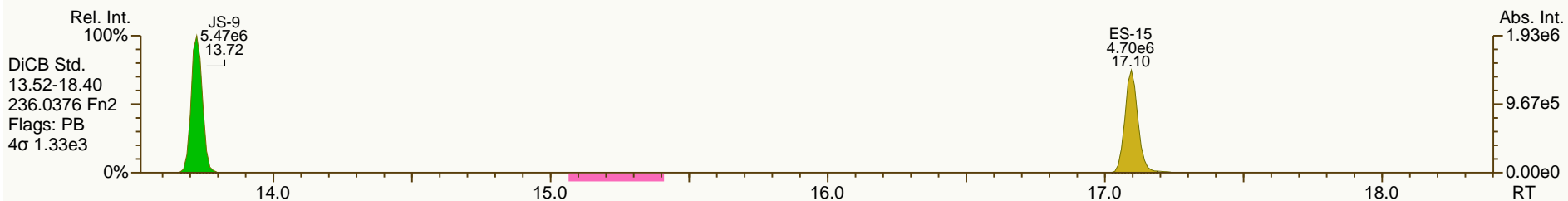
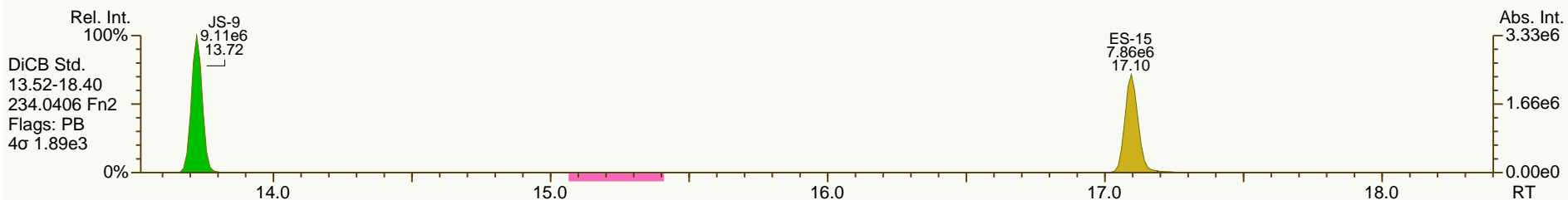
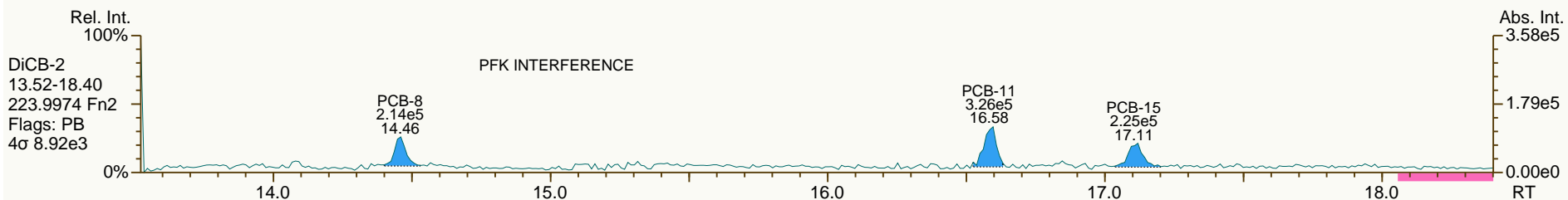
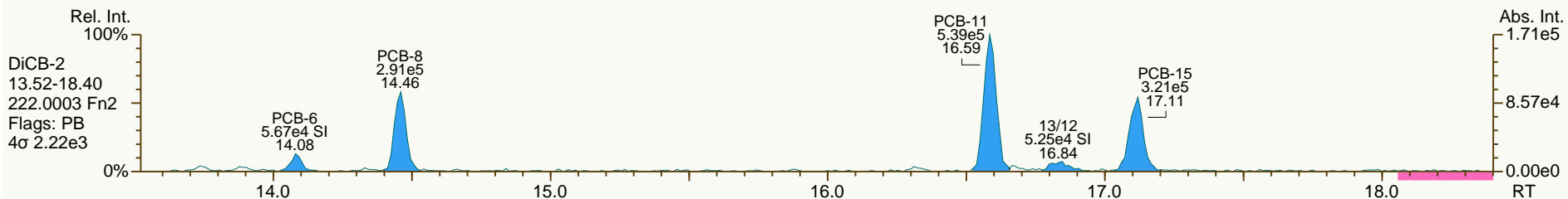
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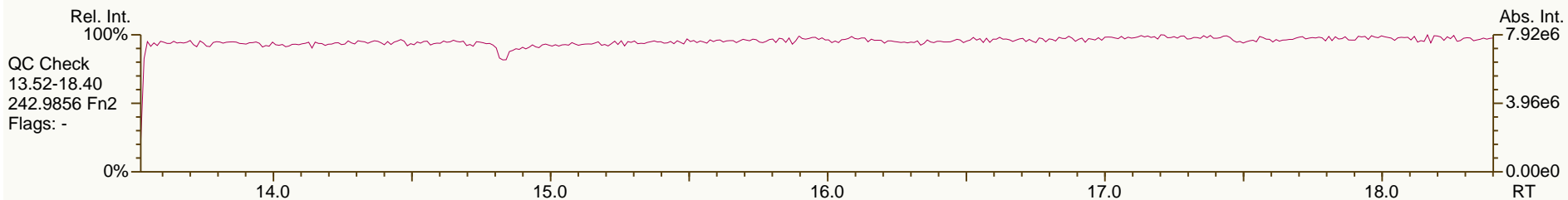
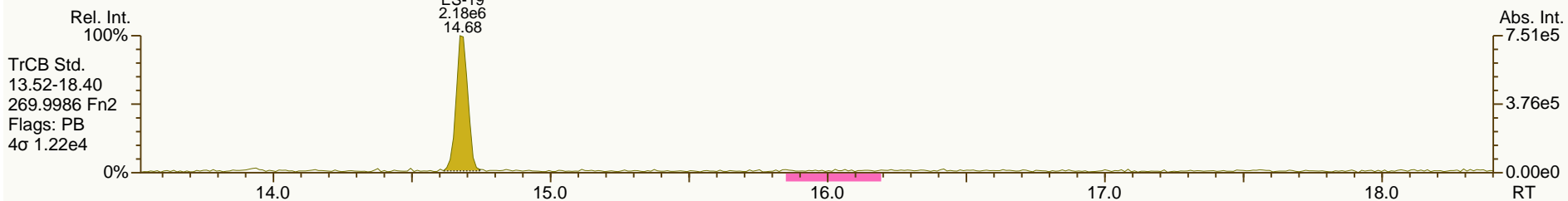
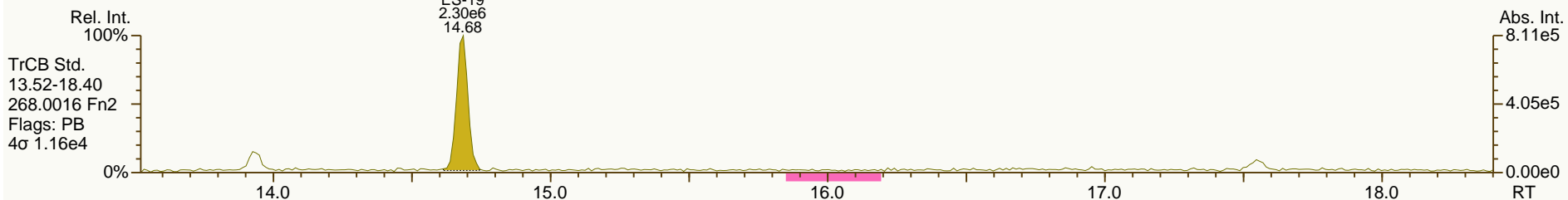
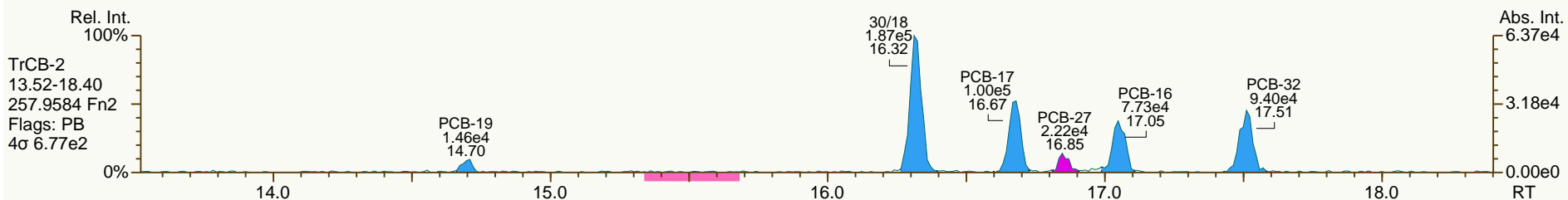
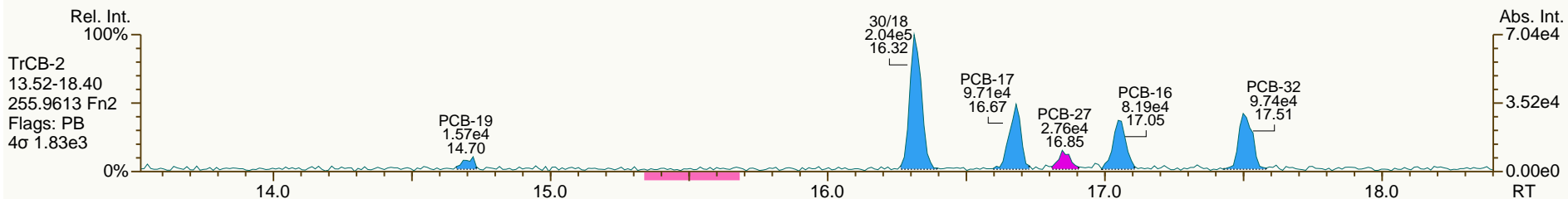
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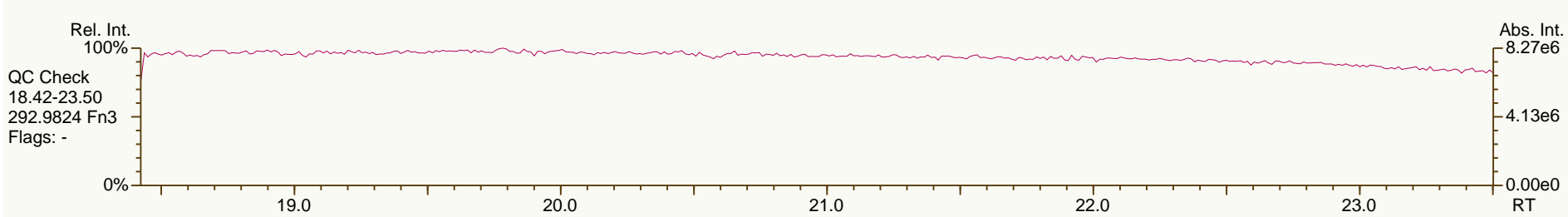
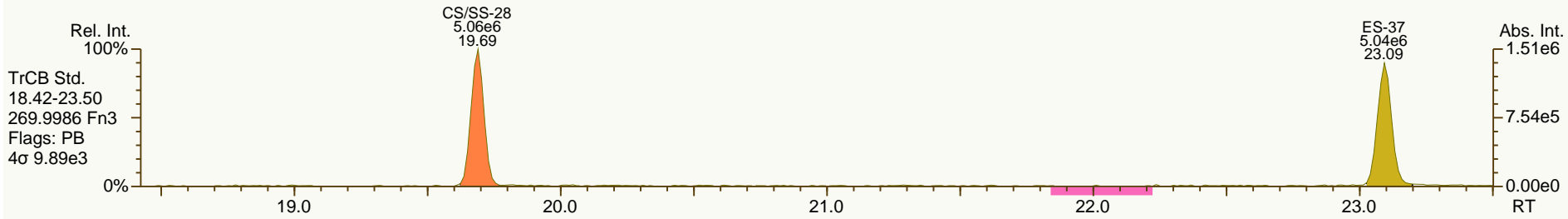
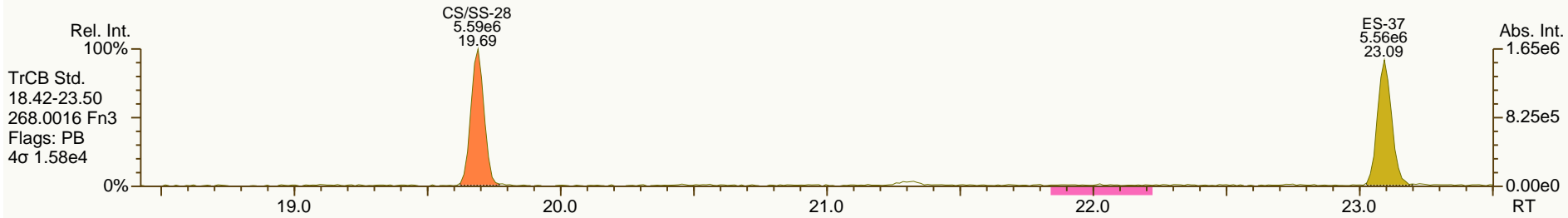
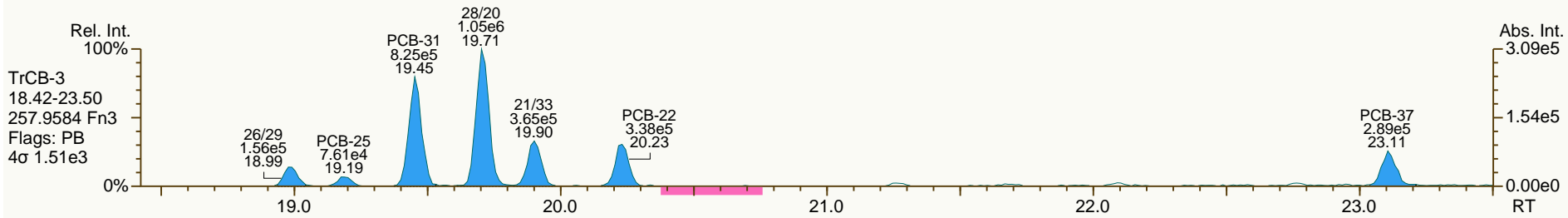
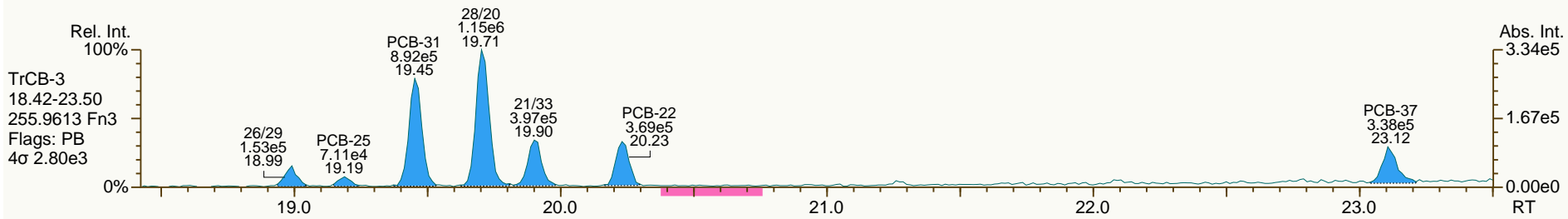
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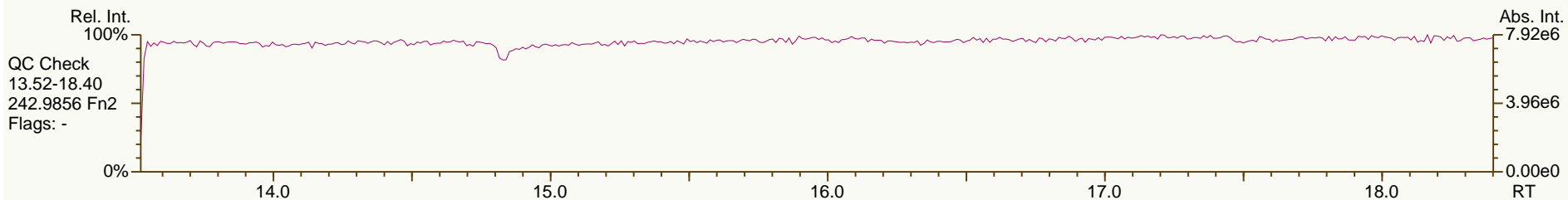
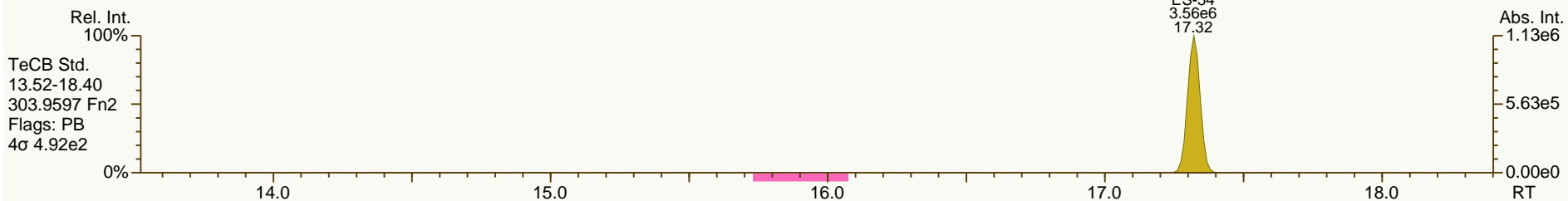
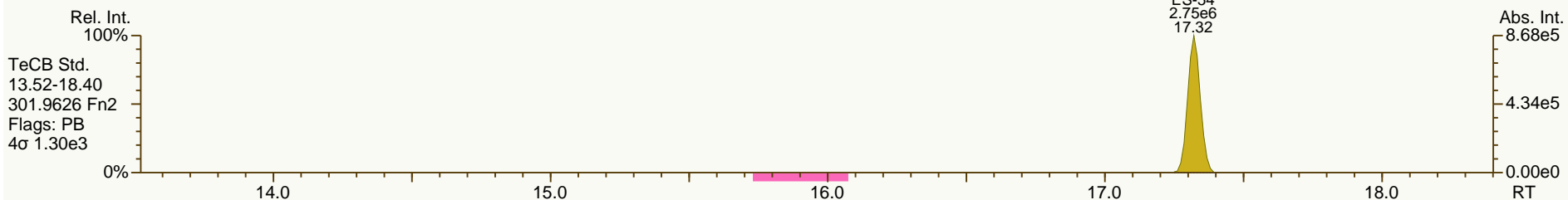
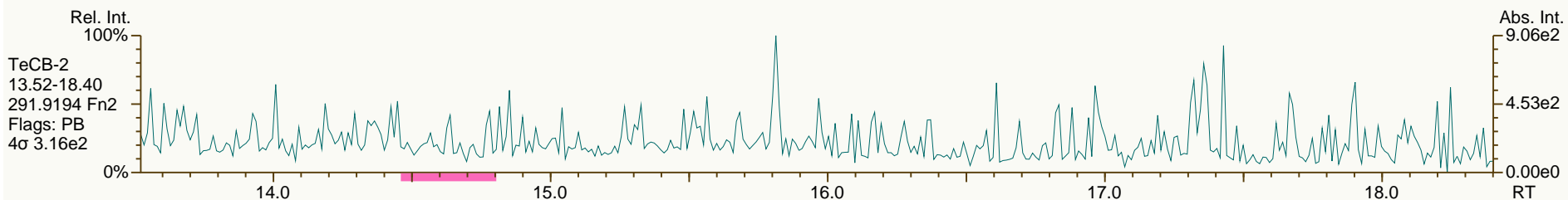
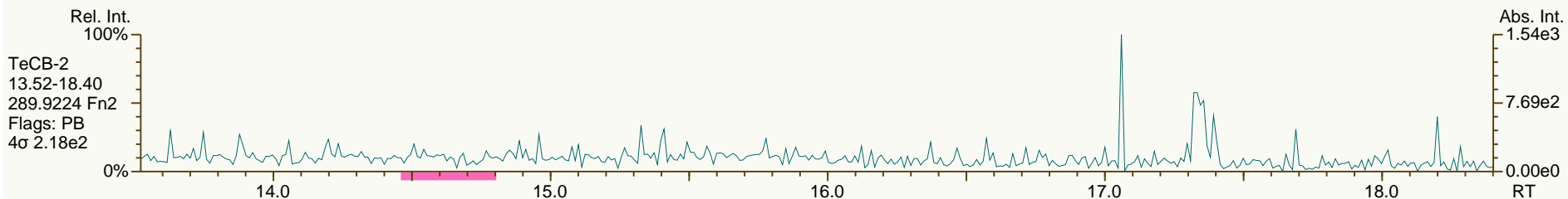
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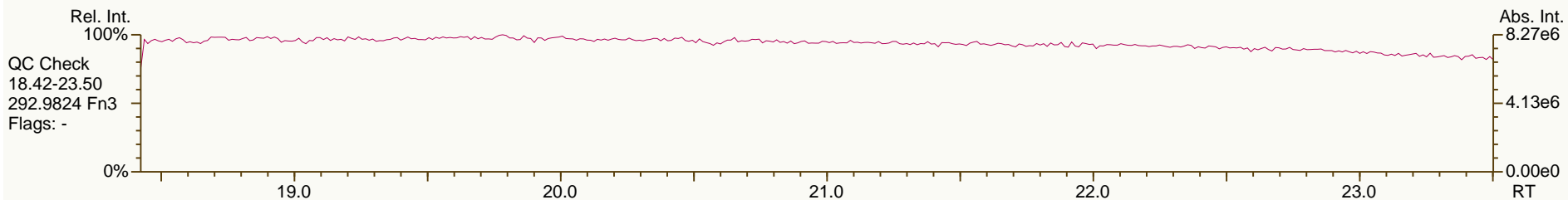
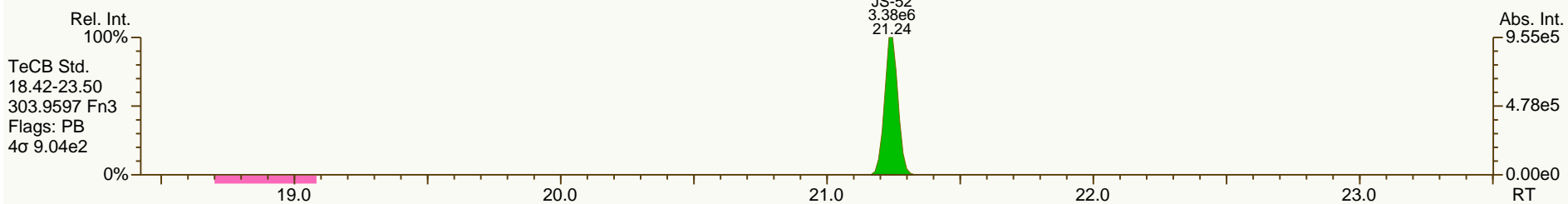
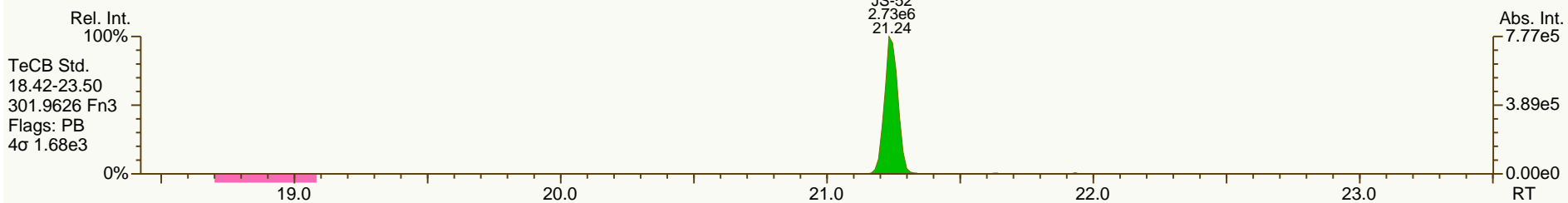
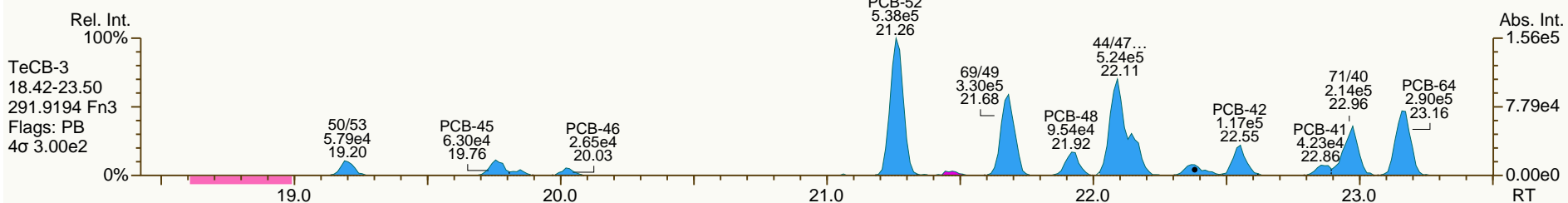
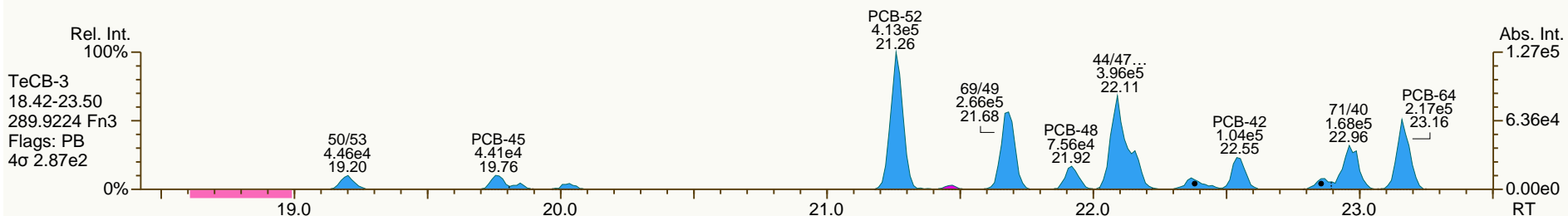
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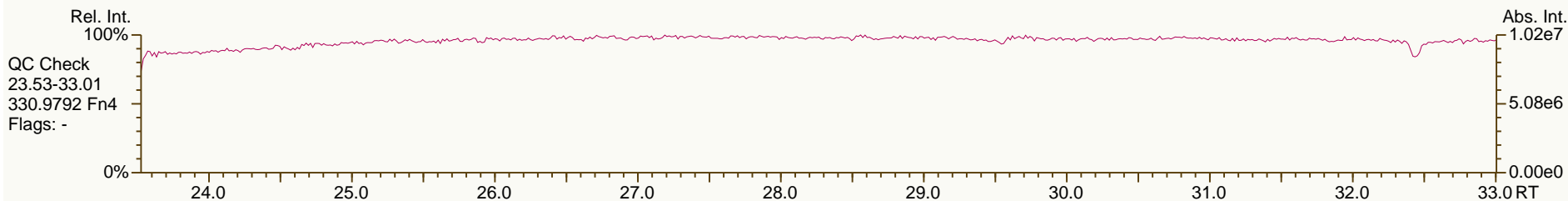
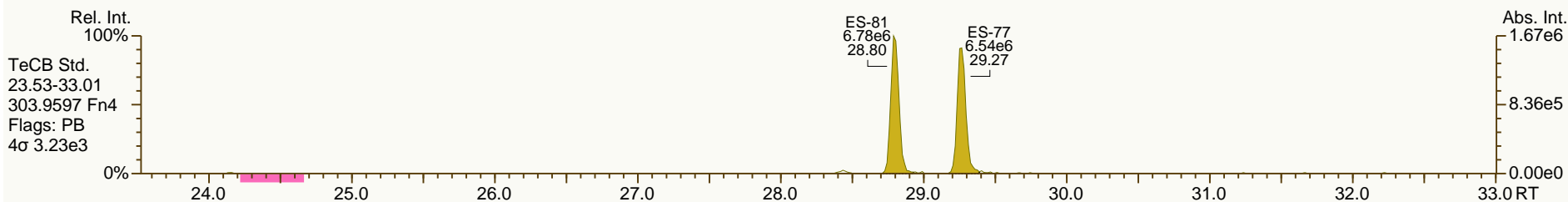
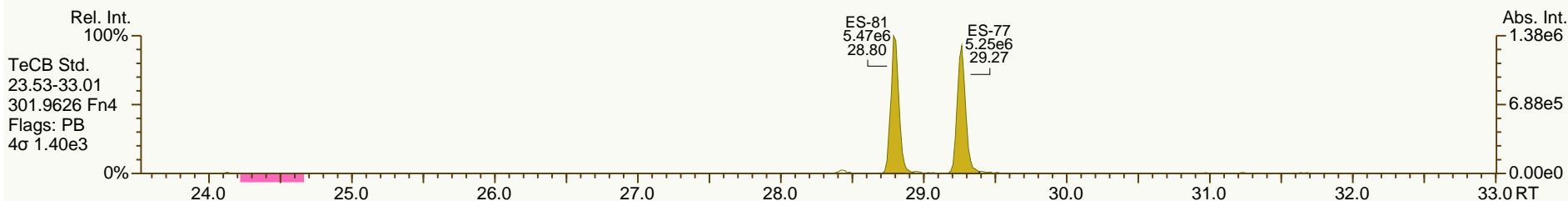
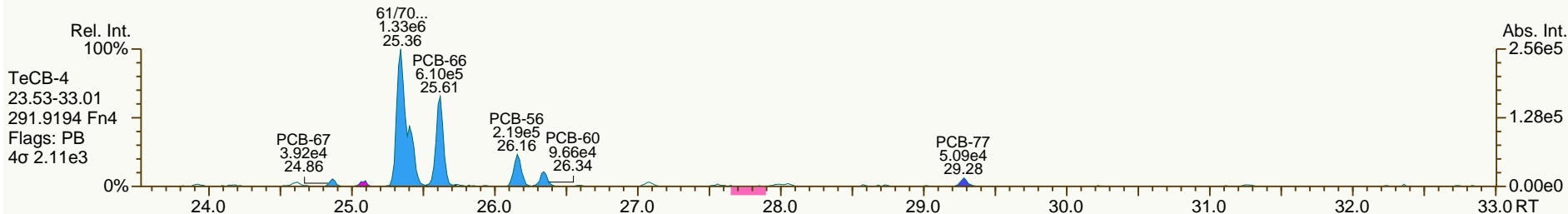
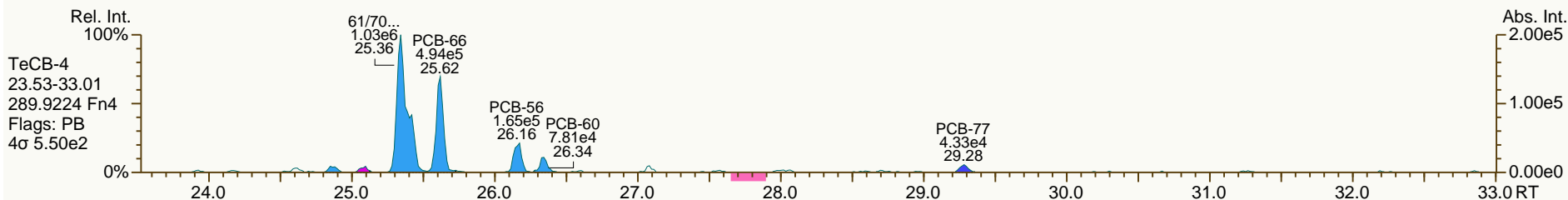
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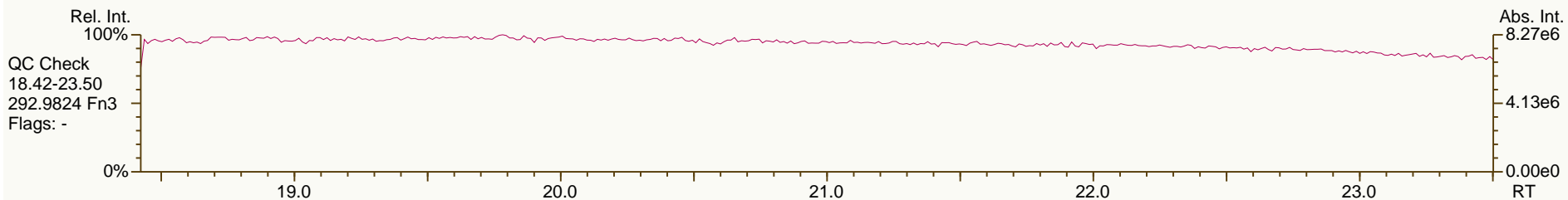
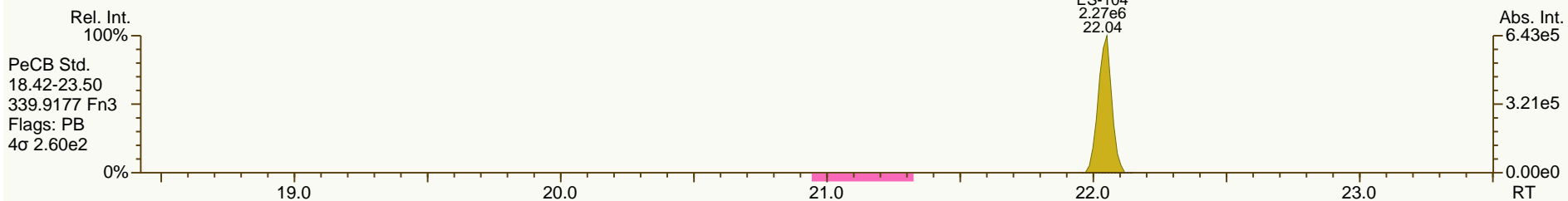
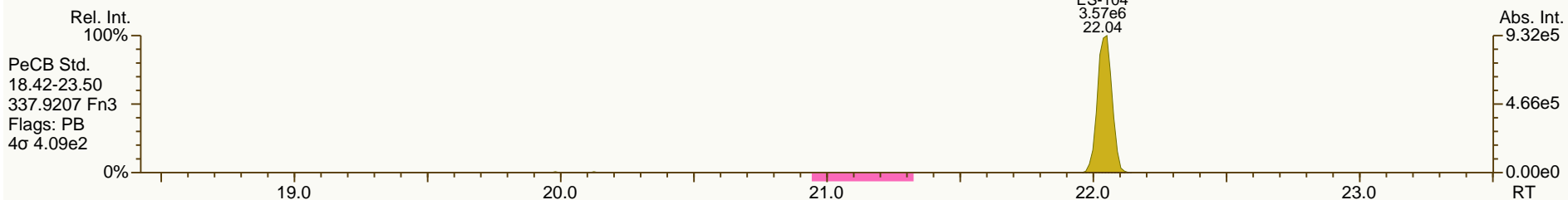
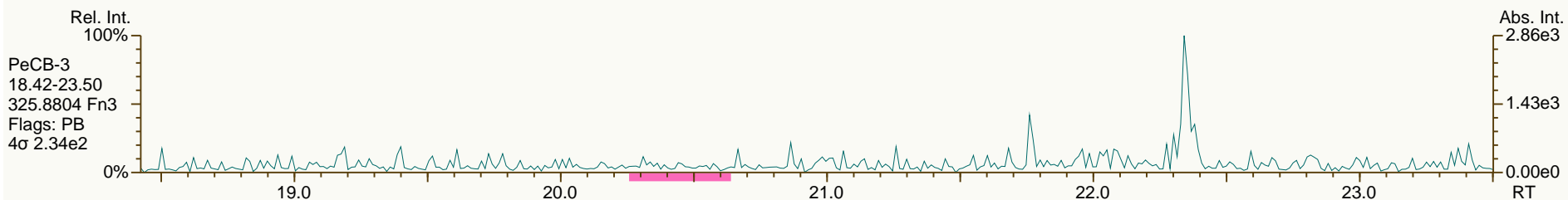
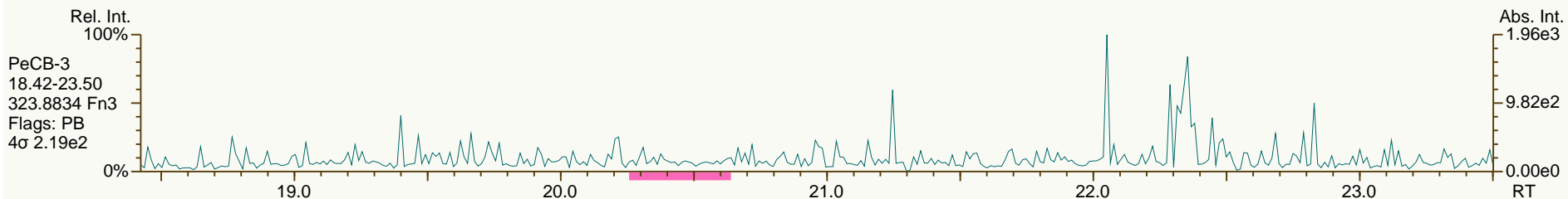
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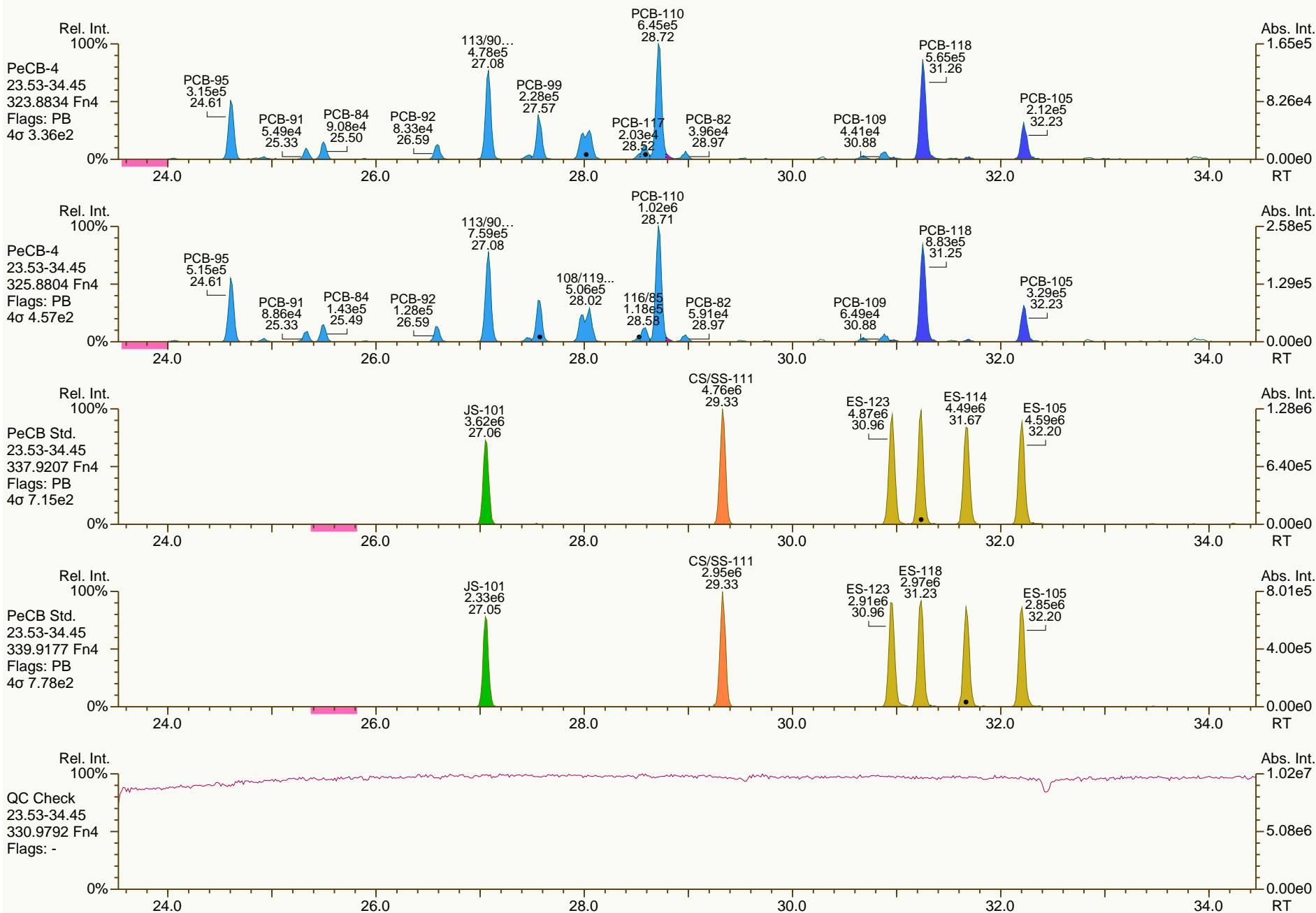
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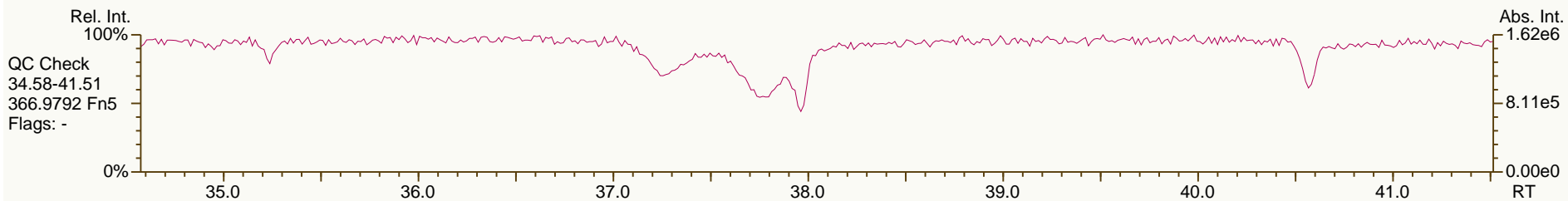
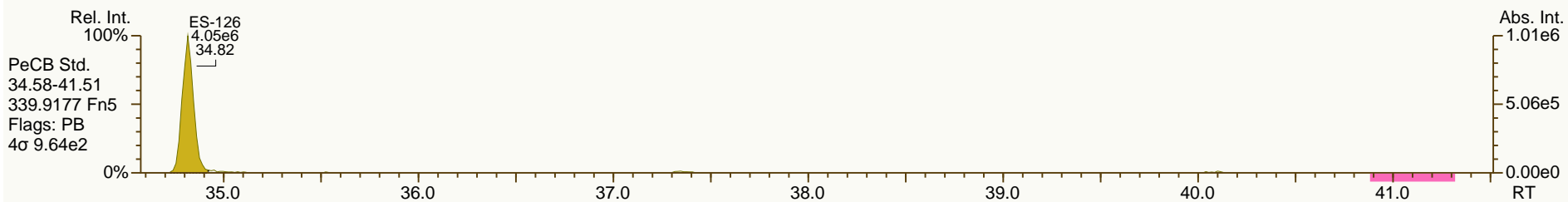
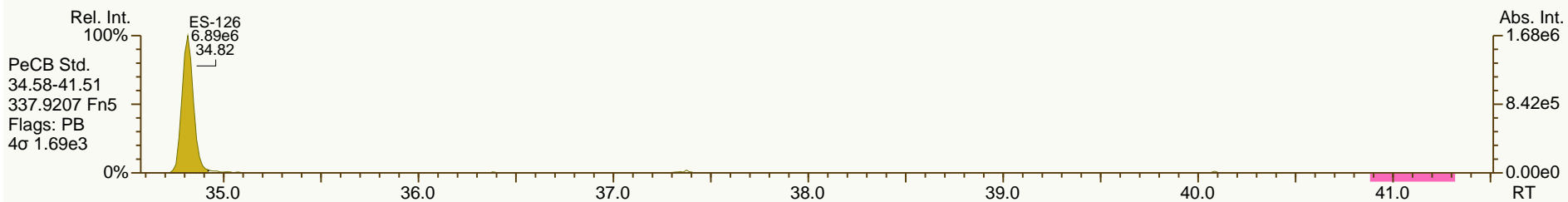
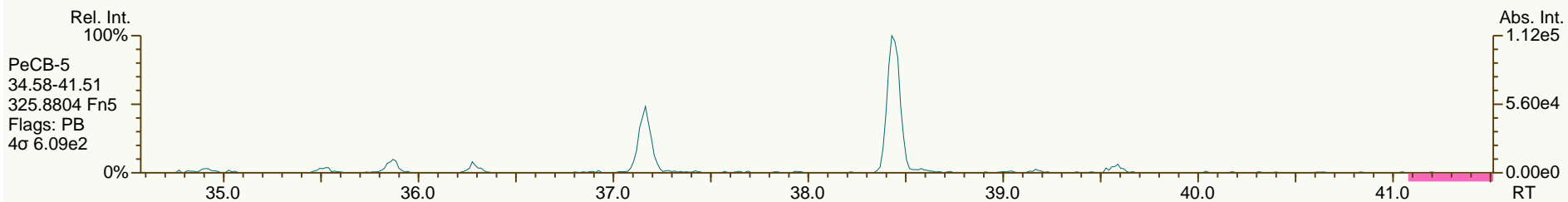
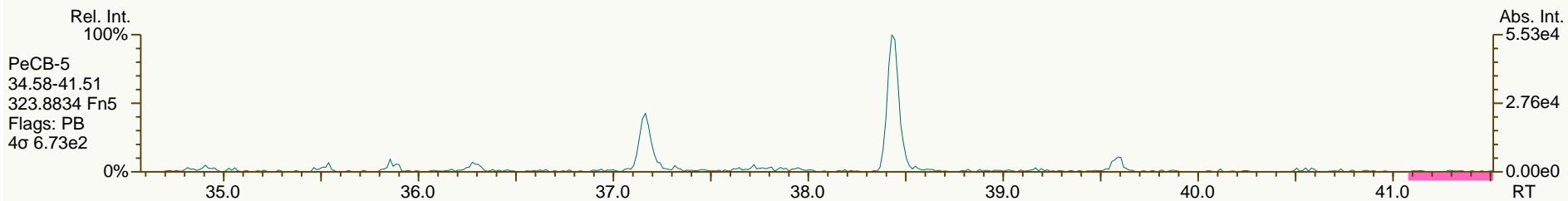
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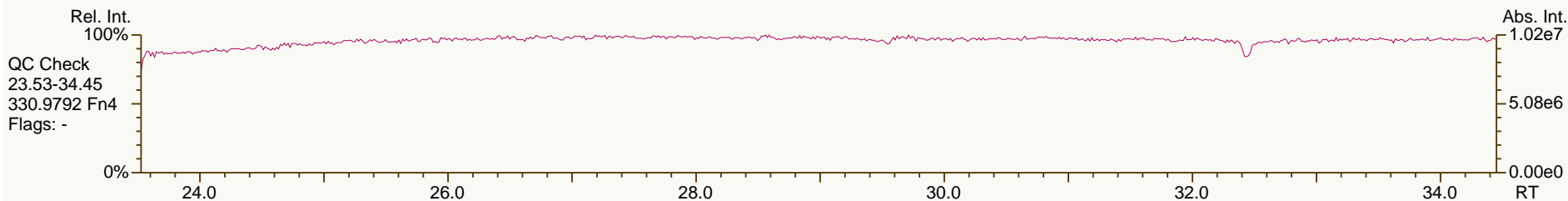
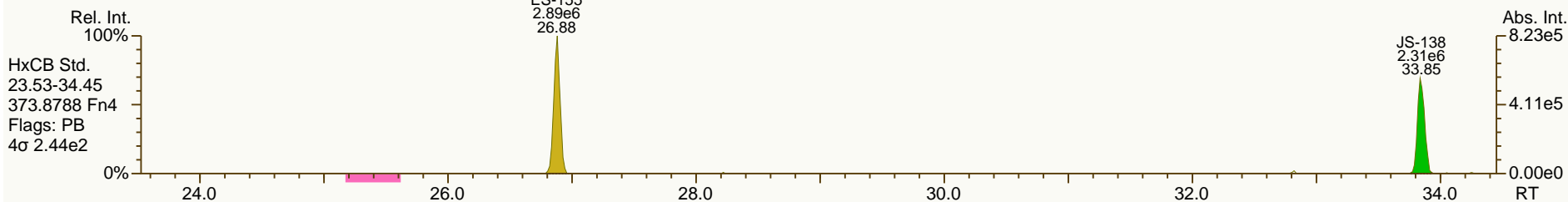
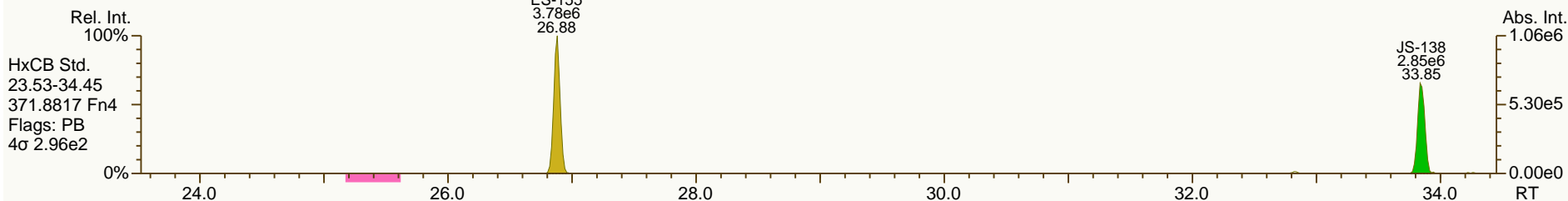
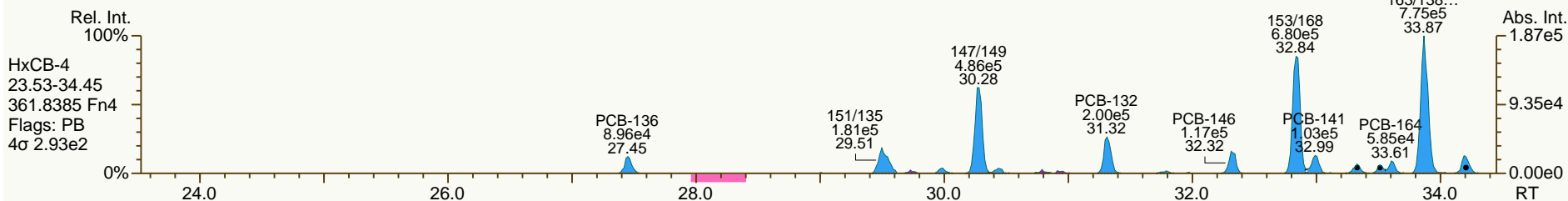
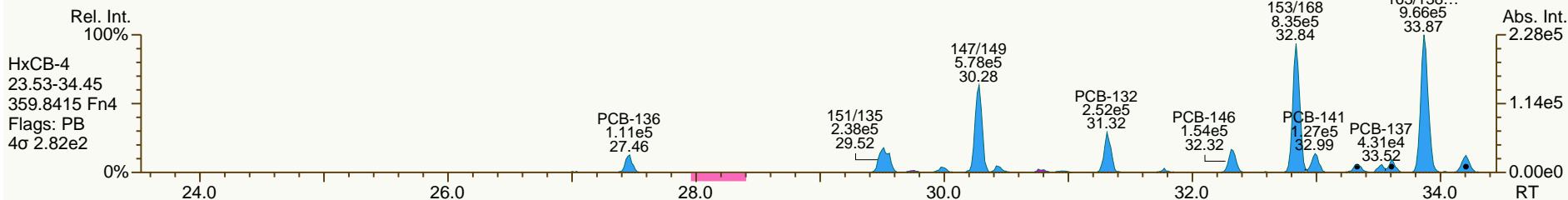
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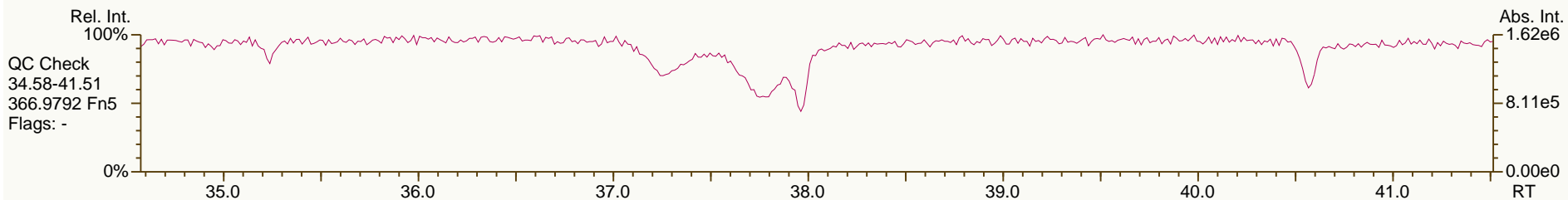
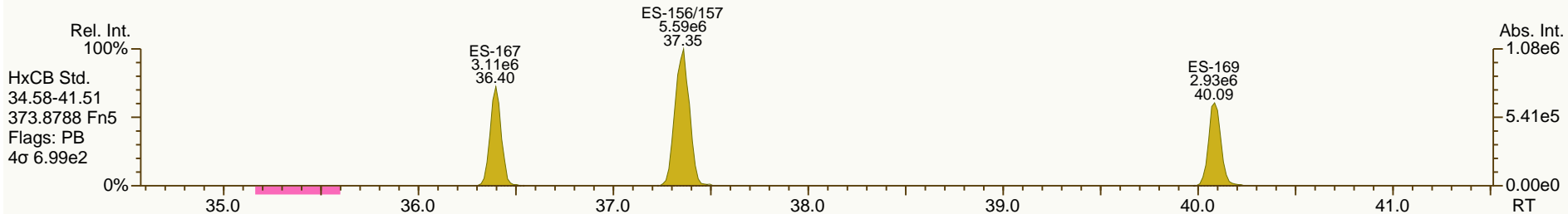
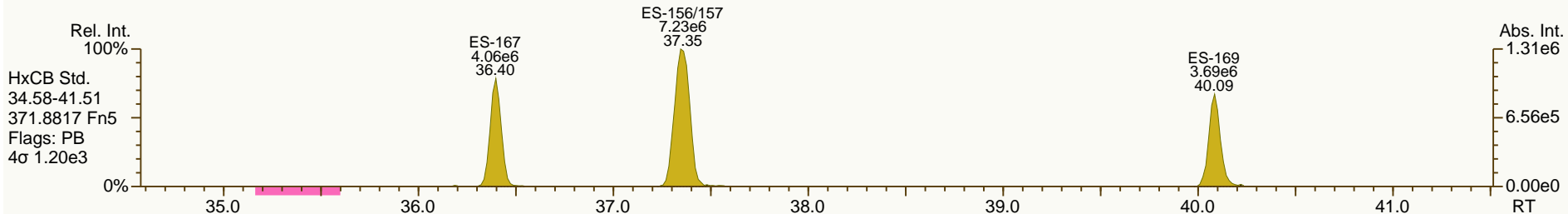
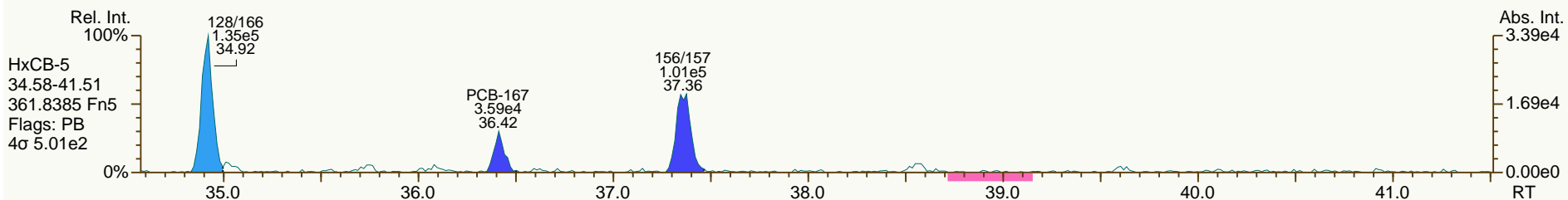
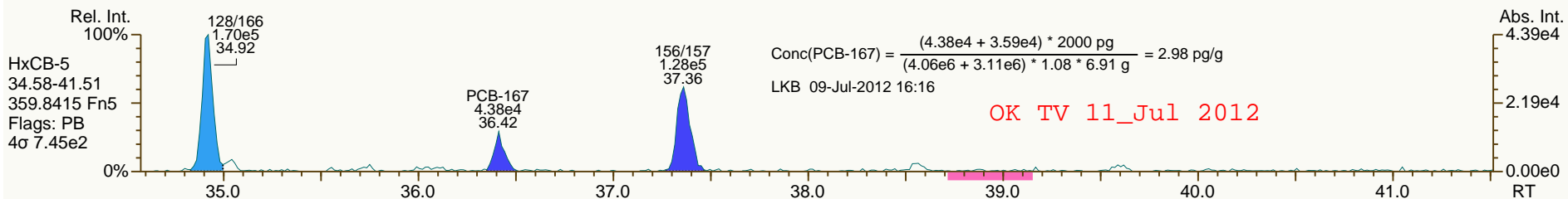
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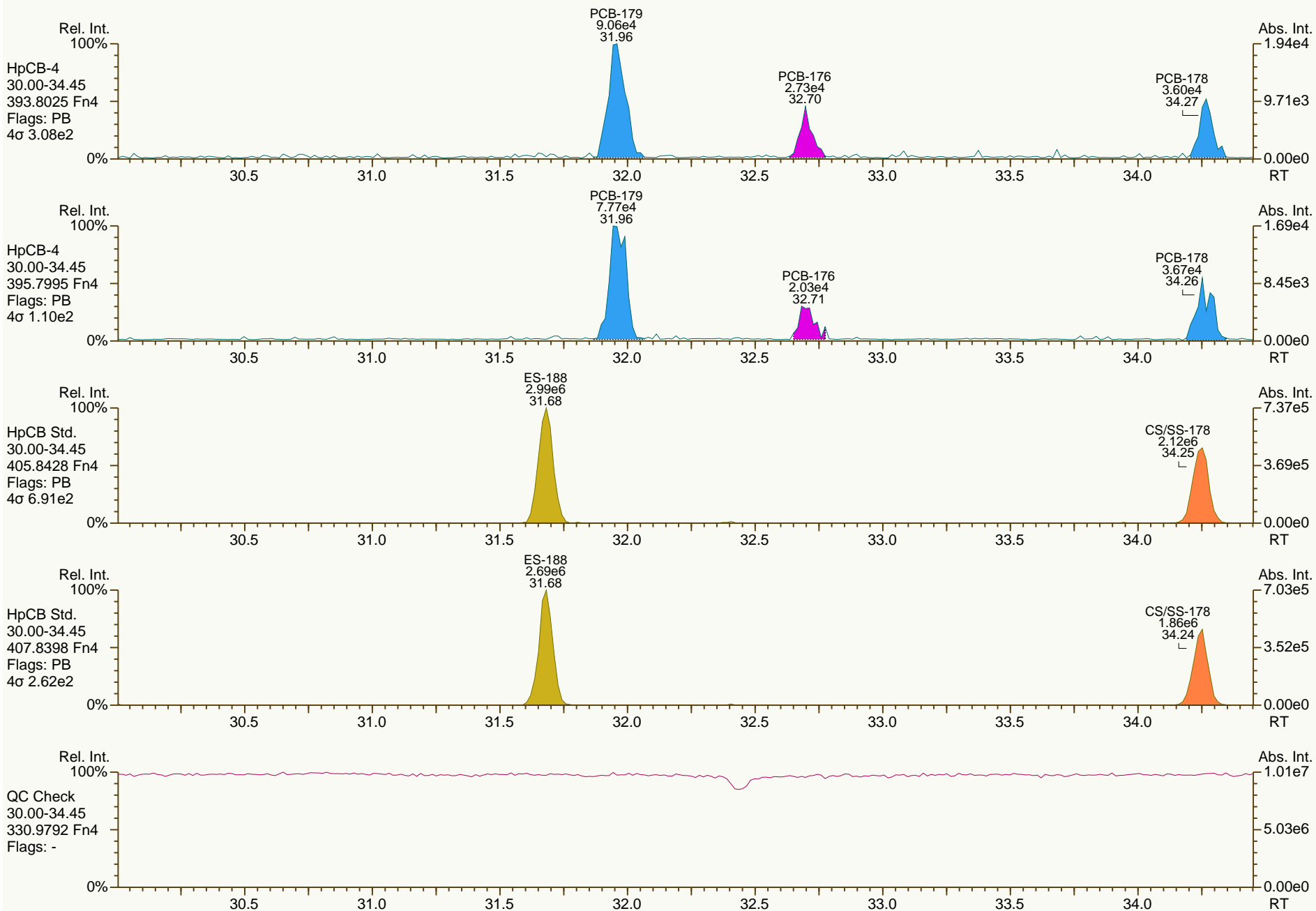
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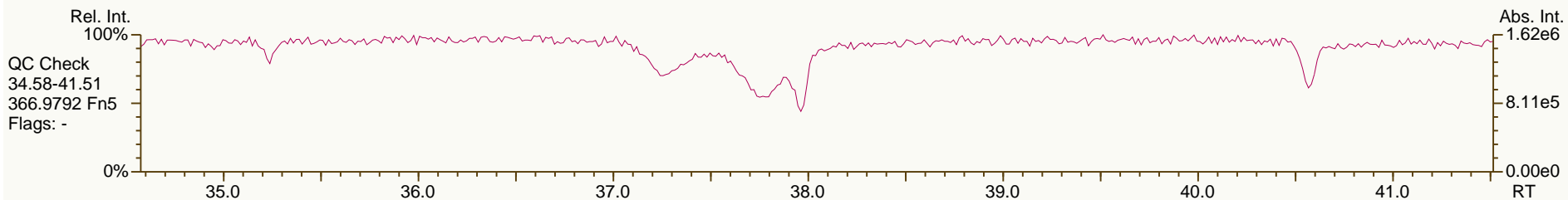
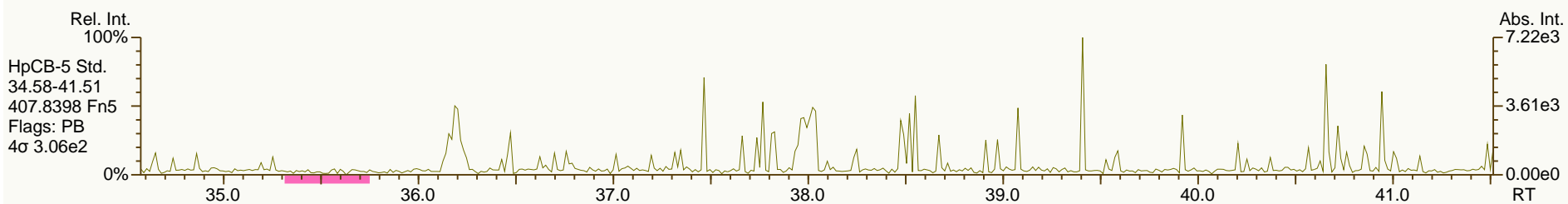
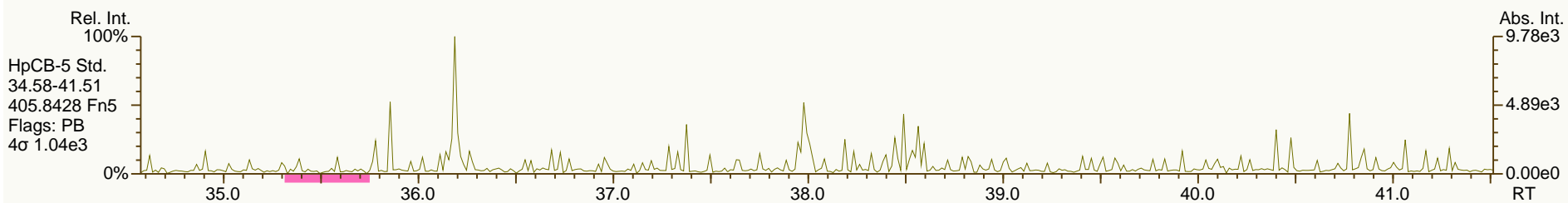
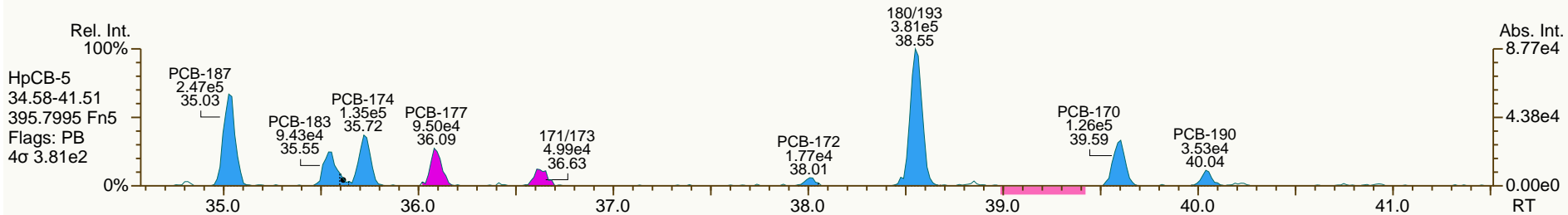
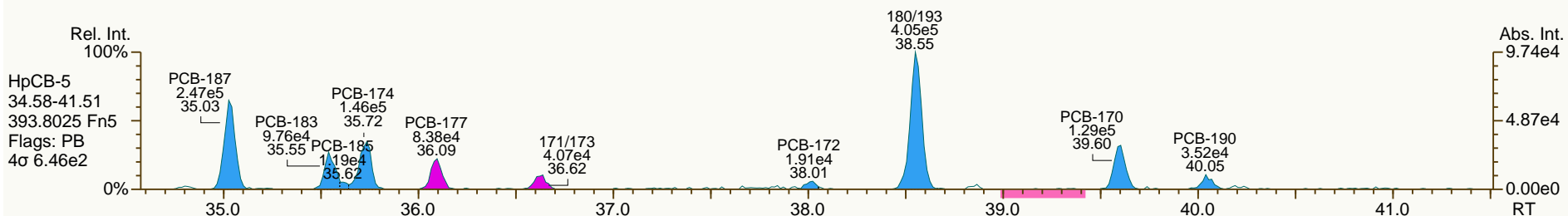
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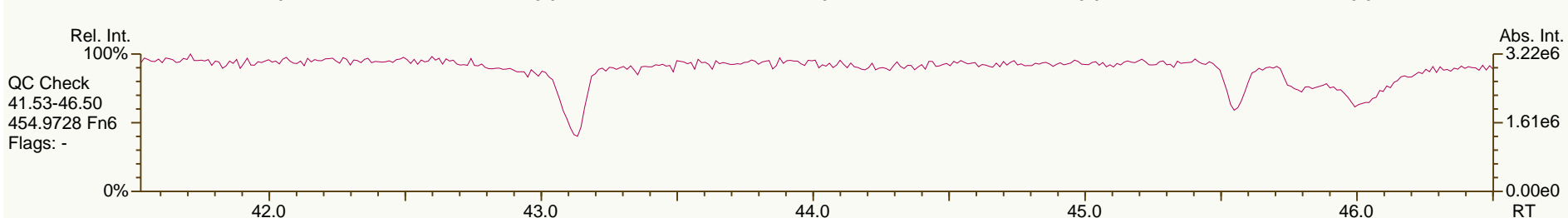
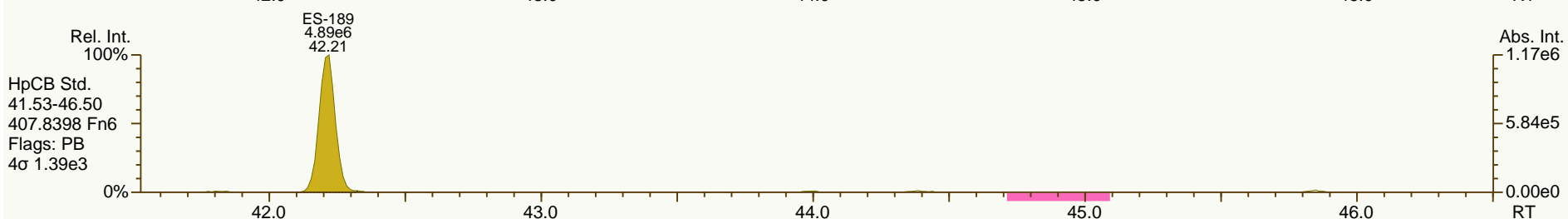
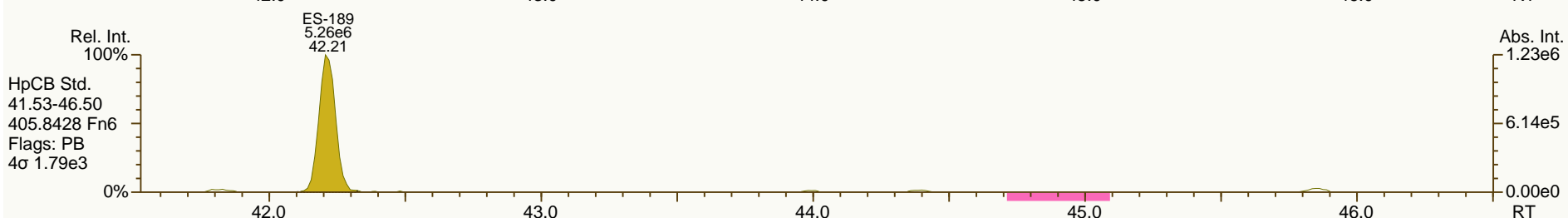
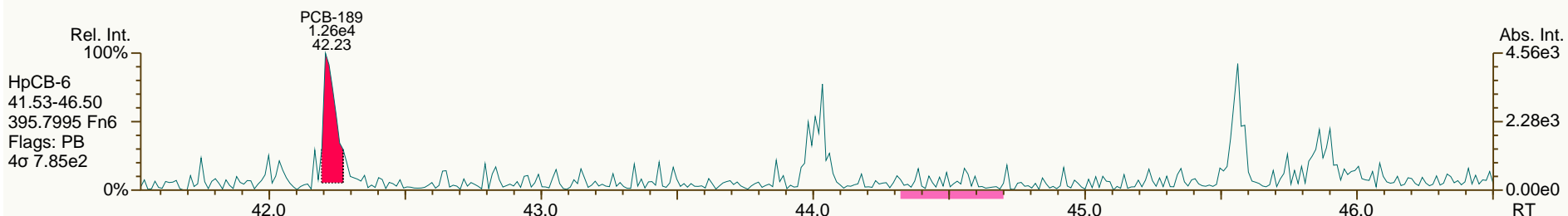
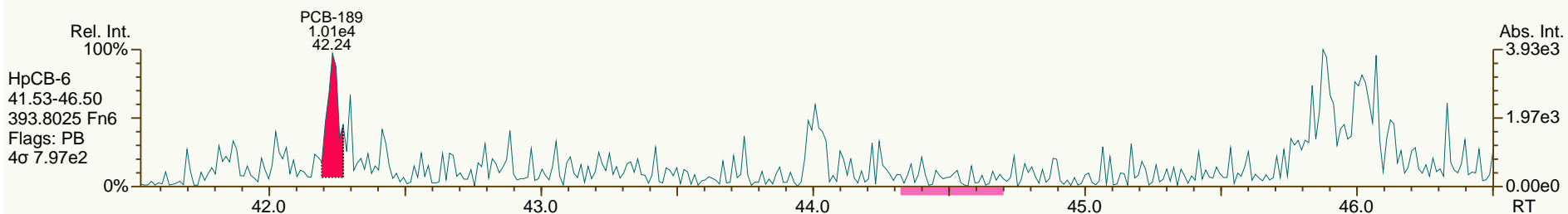
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

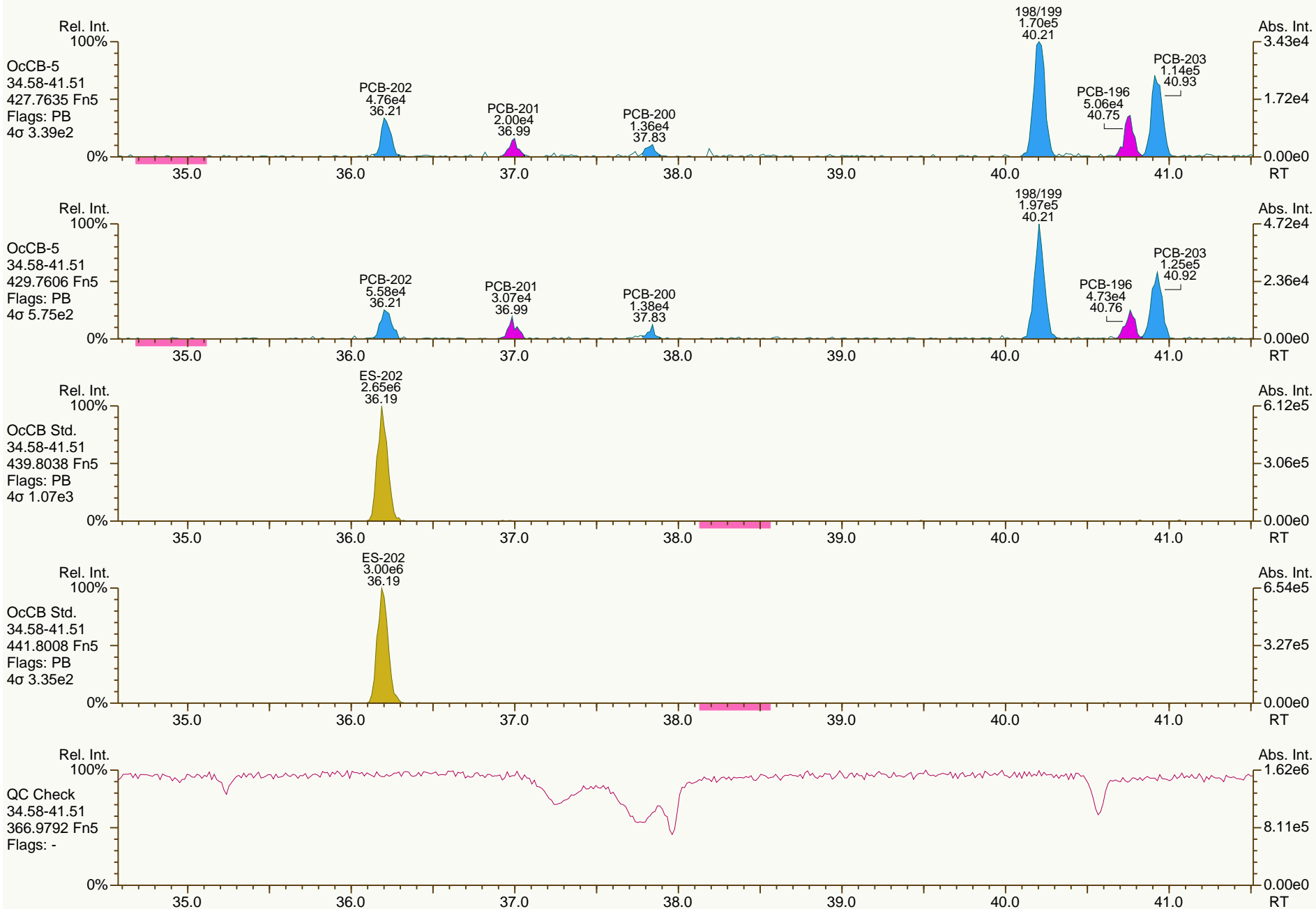
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AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

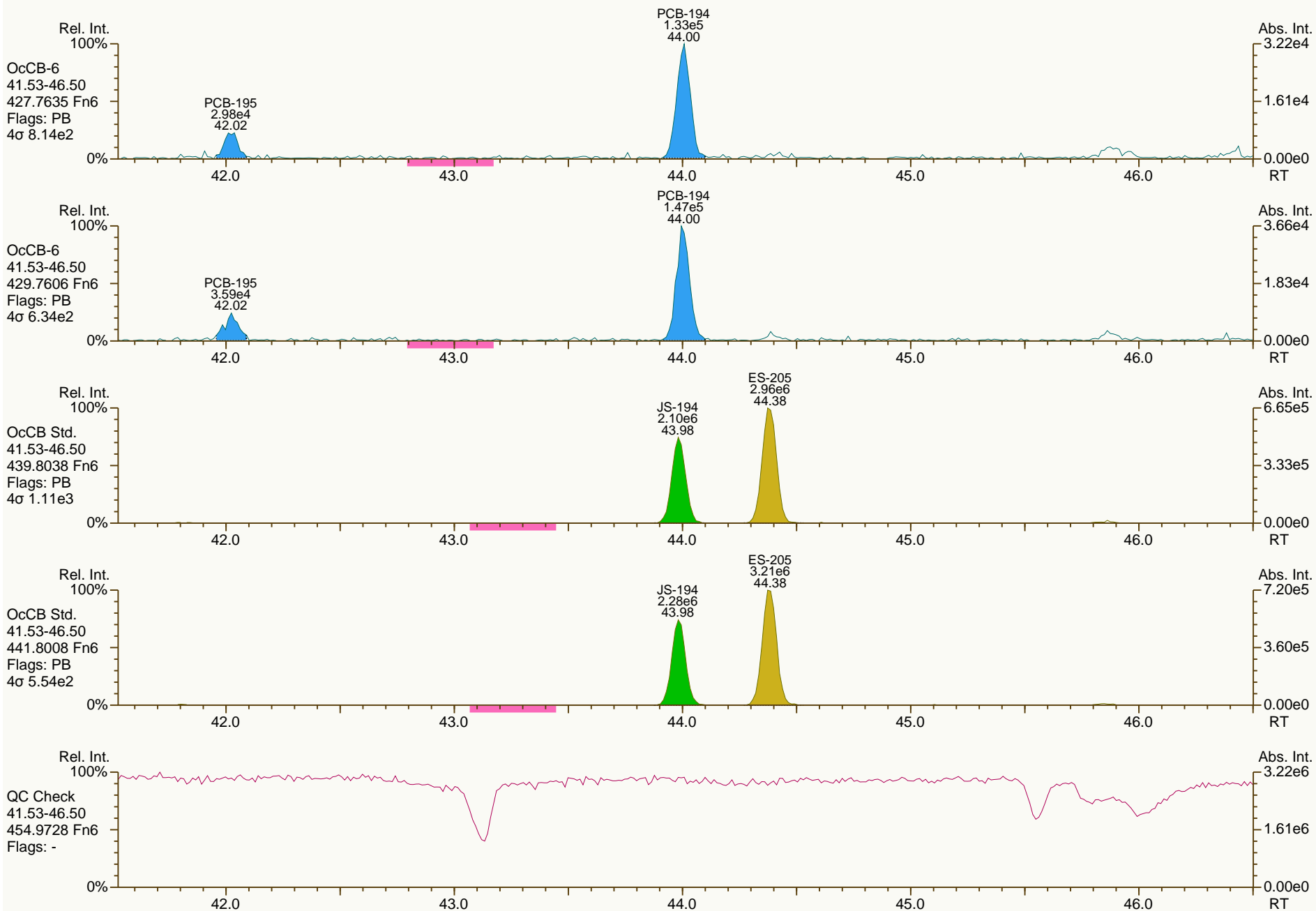
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AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
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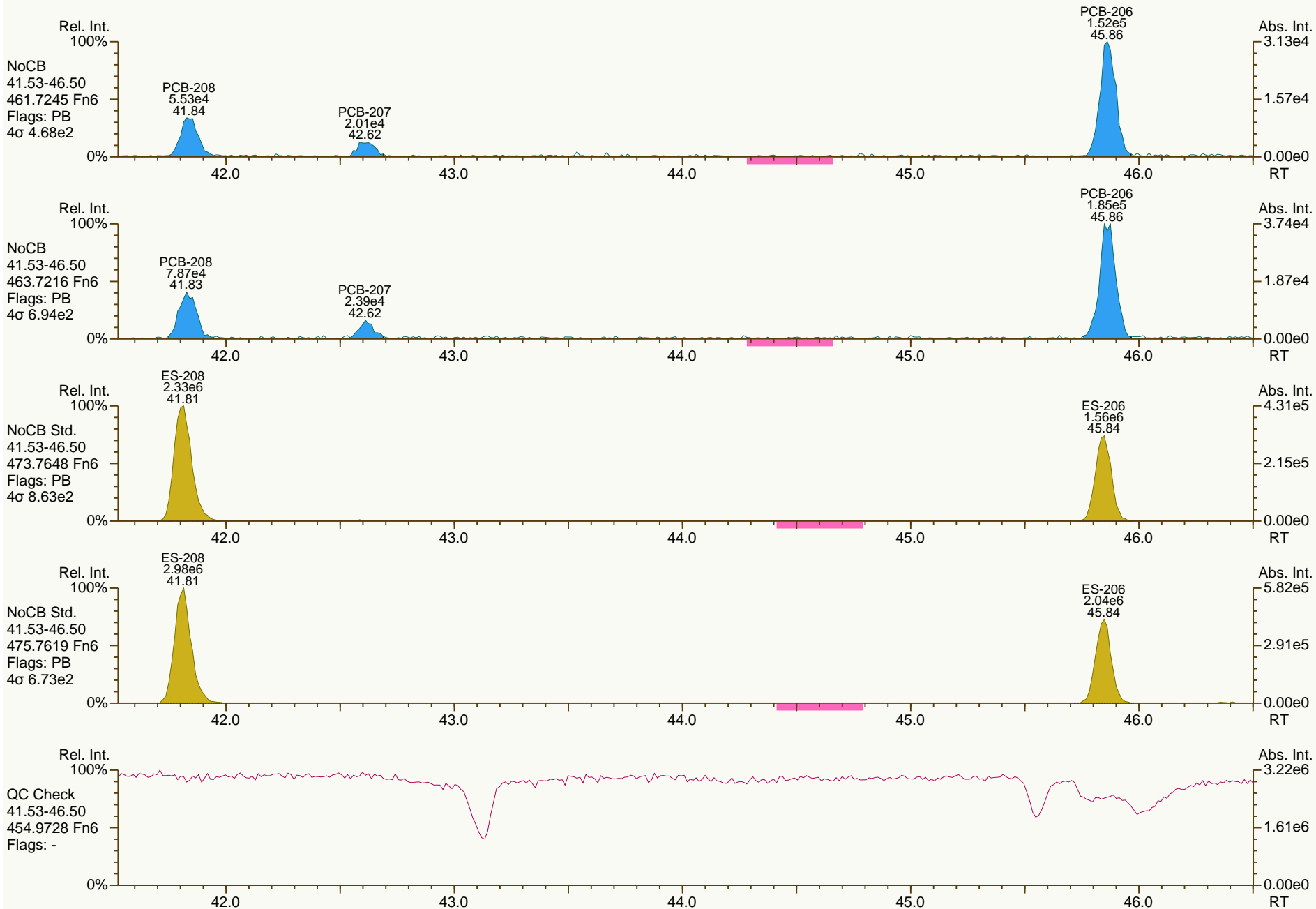
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AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

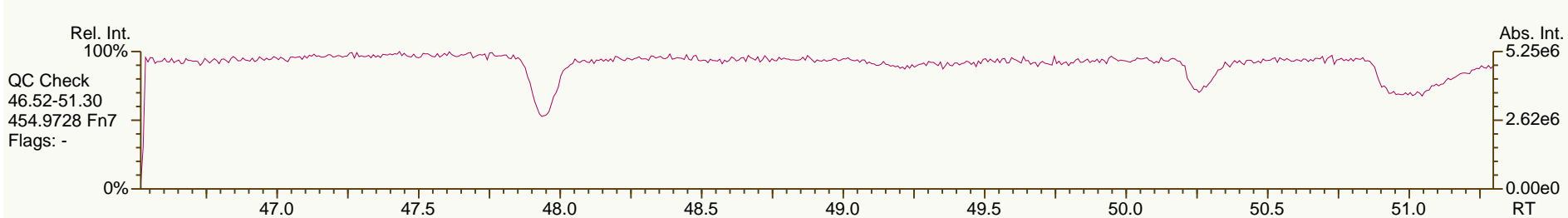
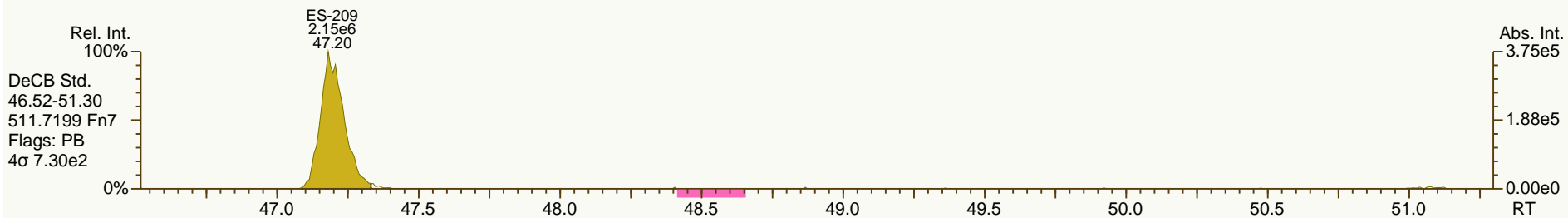
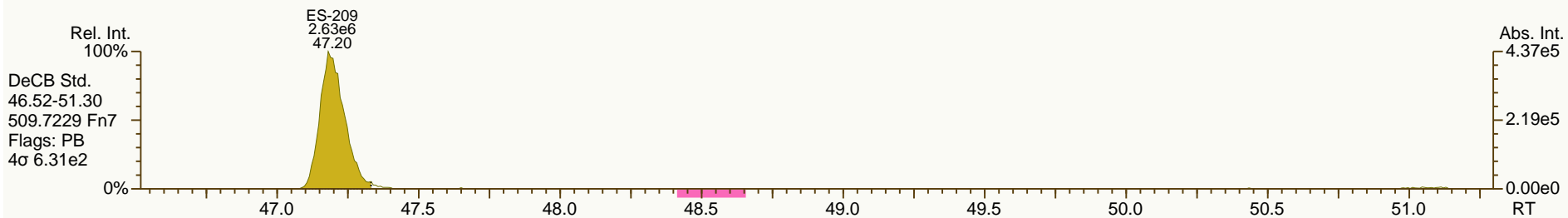
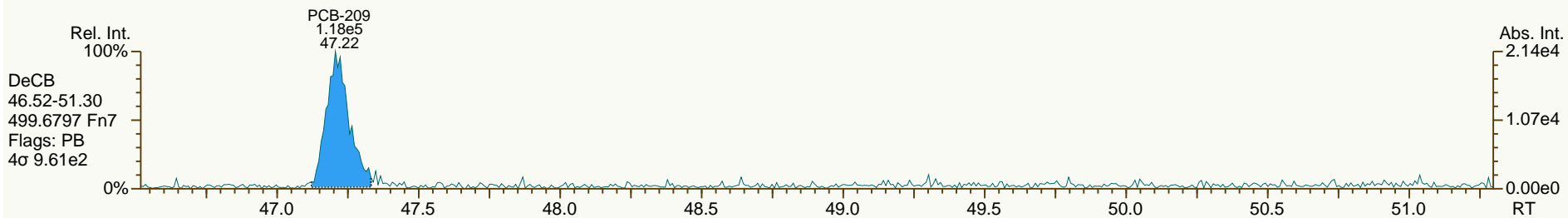
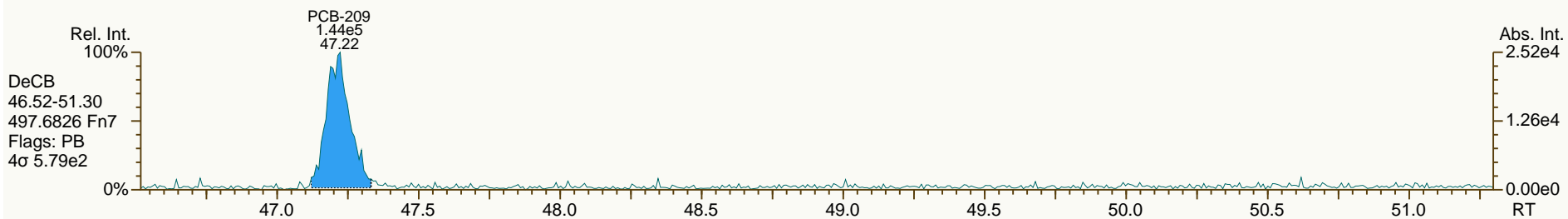
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AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

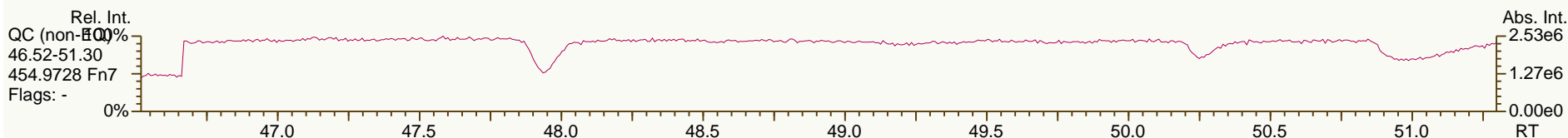
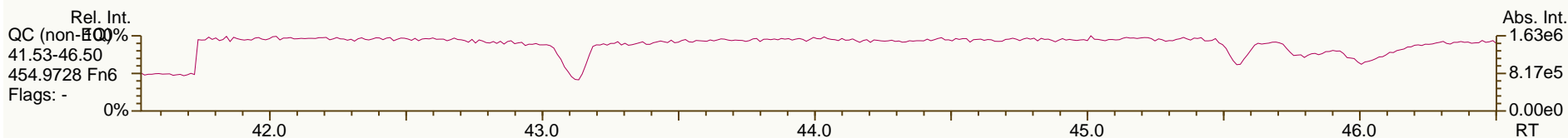
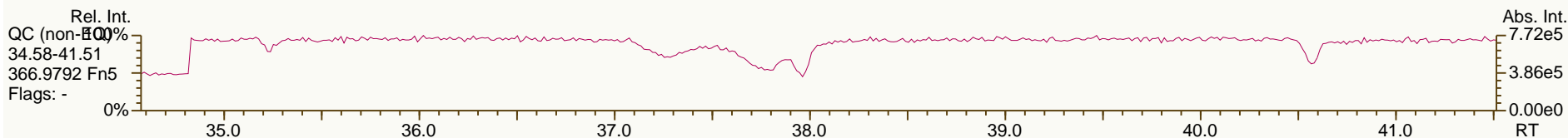
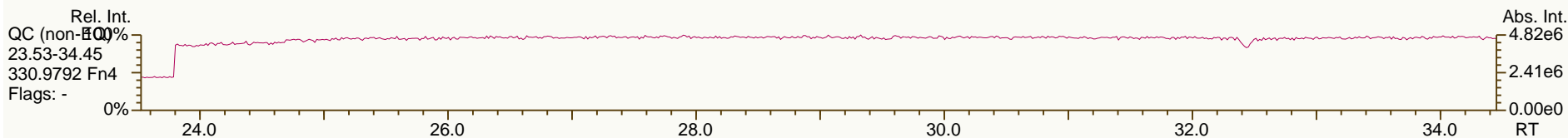
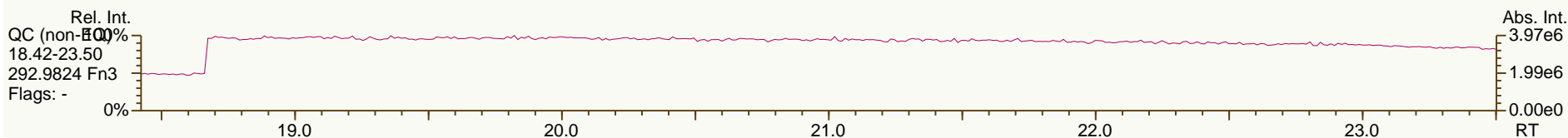
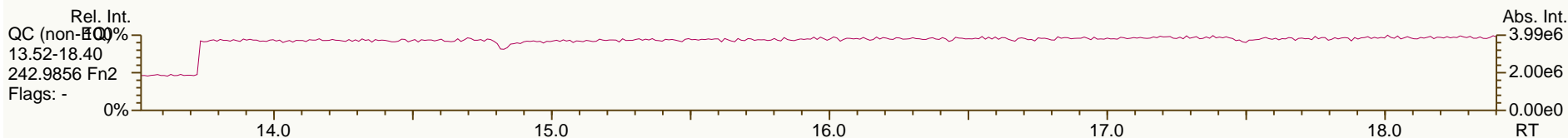
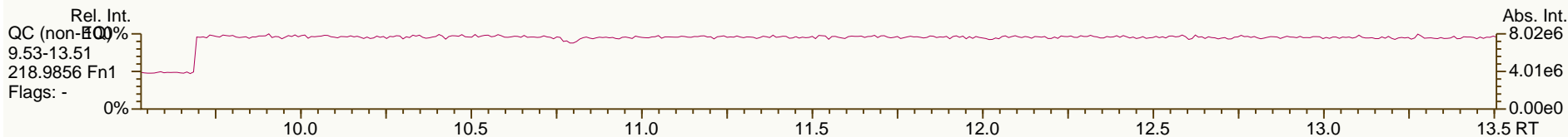
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AP Lab ID: A4371_9893_PCB_004-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA03-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 34

Acq: 05-Jul-2012 18:16:17
 User: LKB Datafile: 120705S08



Lab ID: A4371_9893_PCB_005-RJ

ACQ: 05-Jul-2012 21:14:20 LKB

Wt/Vol: 6.59 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-EA02-COMP-120507

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.52 pg/g Split: 1

Checkcode: 950-021-YLN

Datafile: 120705S11

RPT: 09-Jul-2012 15:37 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0006	0	2.84E+05	0.83	1.22	8.16	1.95E+03	0.599
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.95E+03	0.552
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	1.80E+06	0.61	1.03	99.2	1.02E+03	0.562
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0007	0	1.02E+05	0.58	1.10	5.51	1.02E+03	0.553
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	4.76E+06	0.62	1.03	253	1.02E+03	0.547
PCB-123 23'44'5'-PeCB	30.97		1.0007	1.0006	-0.2	9.44E+04	0.59	0.93	5.42	1.02E+03	0.577
PCB-126 33'44'5'-PeCB	34.83	J EMPC	1.0005	1.0006	+0.2	3.19E+04	0.78	1.11	1.07	1.36E+03	0.486
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0003	-0.4	8.14E+05	1.28	1.05	45.9	1.09E+03	0.793
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	2.58E+05	1.28	1.08	14.2	1.09E+03	0.618
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.09E+03	0.788
PCB-189 233'44'55'-HpCB	42.22	EMPC	1.0005	1.0004	-0.3	5.98E+04	1.20	1.11	2.23	1.15E+03	0.431
PCB-209 DeCB	47.21		1.0004	1.0003	-0.3	1.16E+05	1.15	1.05	9.42	1.25E+03	1.43
ES PCB-1	9.85		0.7181	0.7174	-0.4	5.84E+06	3.37	1.01	49.6 %	4%	100%
ES PCB-3	11.78		0.8583	0.8582	-0.1	6.03E+06	3.35	1.05	49.3 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	3.25E+06	1.62	0.70	40.1 %	14%	107%
ES PCB-15	17.10		1.2453	1.2456	+0.3	9.84E+06	1.67	1.17	72.3 %	19%	107%
ES PCB-19	14.68		1.0698	1.0697	-0.1	3.47E+06	1.10	0.57	52.7 %	1%	108%
ES PCB-37	23.09		1.0865	1.0872	+1.0	7.93E+06	1.11	1.41	121 %	25%	123%
ES PCB-54	17.32		0.8157	0.8156	-0.1	5.09E+06	0.77	1.32	82.6 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3777	0	8.63E+06	0.82	1.22	152 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3557	0	8.75E+06	0.84	1.15	163 %	14%	127%
ES PCB-104	22.04		0.8147	0.8148	+0.1	4.18E+06	1.68	1.69	56.3 %	36%	115%
ES PCB-105	32.20		1.1906	1.1902	-0.8	5.36E+06	1.63	1.21	101 %	50%	111%
ES PCB-114	31.67		1.1709	1.1706	-0.6	5.11E+06	1.57	1.23	94.3 %	41%	121%
ES PCB-118	31.22		1.1547	1.1543	-0.7	5.53E+06	1.67	1.25	101 %	49%	111%
ES PCB-123	30.95		1.1444	1.1441	-0.6	5.71E+06	1.51	1.33	98 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2868	-0.6	8.17E+06	1.65	1.36	137 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7941	+0.3	4.81E+06	1.35	1.40	89.2 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1035	0	1.03E+07	1.26	1.13	118 %	40%	120%
ES PCB-167	36.39		1.0753	1.0753	0	5.10E+06	1.27	1.13	118 %	45%	118%
ES PCB-169	40.08		1.1842	1.1844	+0.5	4.51E+06	1.21	1.14	103 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	4.00E+06	1.15	1.34	77.7 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9597	-0.3	7.34E+06	1.10	1.77	121 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.35E+06	0.88	1.27	89.2 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.51E+06	0.88	1.25	105 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0424	0	3.18E+06	0.81	1.07	87 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	3.92E+06	0.80	1.34	85.6 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.56E+06	1.17	1.18	87.8 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9269	0	8.56E+06	1.12	0.98	110 %	14%	131%
CS/SS PCB-111	29.32		1.0843	1.0840	-0.5	5.75E+06	1.65	0.90	112 %	57%	112%
CS/SS PCB-178	34.24		1.0118	1.0117	-0.2	2.89E+06	1.11	0.65	111 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9269	0	8.56E+06	1.12	1.39	133 %	14%	131%
CS PCB-111	29.32		1.0843	1.0840	-0.5	5.75E+06	1.65	1.19	110 %	57%	112%
CS PCB-178	34.24		1.0118	1.0117	-0.2	2.89E+06	1.11	0.87	86.7 %	57%	125%

JS PCB-9	13.73					1.16E+07	1.67				
JS PCB-52	21.24					4.65E+06	0.77				
JS PCB-101	27.05					4.40E+06	1.63				
JS PCB-138	33.84					3.84E+06	1.26				
JS PCB-194	43.98					3.42E+06	0.91				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	20	20	0.431
	Di-CBs	242	242	3.92
	Tri-CBs	1,510	1,520	1.35
	Tetra-CBs	1,730	1,730	0.45
	Penta-CBs	1,770	1,780	0.536
	Hexa-CBs	1,560	1,560	0.64
	Hepta-CBs	367	382	0.62
	Octa-CBs	109	111	0.479
	Nona-CBs	18.1	22	0.928

PCB-1 2-MoCB	9.86		1.0011	1.0010	-0.1	1.45E+05	3.10	1.20	6.31	1.81E+03	0.376
PCB-2 3-MoCB	11.64		0.9878	0.9879	+0.1	1.61E+05	2.95	1.39	5.83	1.81E+03	0.394
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.75E+05	3.43	1.13	7.82	1.81E+03	0.486
PCB-4 22'-DiCB	12.00		1.0012	1.0012	0	2.07E+05	1.51	0.94	20.5	8.85E+03	5.2
PCB-10 26-DiCB	12.15	J	1.0142	1.0140	-0.1	2.29E+04	SI	1.56	1.37	2.00E+03	0.709
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	9.70E+04	SI	0.93	3.21	3.09E+03	0.847
PCB-7 24-DiCB	13.88		1.0116	1.0116	0	6.53E+04	SI	1.10	1.83	3.09E+03	0.719
PCB-6 23'-DiCB	14.09		1.0261	1.0262	+0.1	3.54E+05	1.63	1.01	10.8	1.04E+04	2.64
PCB-5 23-DiCB	14.35	J	1.0451	1.0452	+0.1	3.69E+04	SI	1.02	1.12	3.09E+03	0.777
PCB-8 24'-DiCB	14.46		1.0533	1.0534	+0.1	1.87E+06	1.56	1.05	55.1	1.04E+04	2.54
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.04E+04	2.21
PCB-11 33'-DiCB	16.58	B	0.9701	0.9700	-0.1	1.37E+06	1.41	1.04	40.7	1.04E+04	2.57
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9848	-0.7	3.16E+05	1.63	1.03	9.44	1.04E+04	2.58
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	3.18E+06	1.54	1.01	97.5	1.04E+04	2.65

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0012	+0.1	1.78E+05	1.09	1.01	15.4	1.90E+03	1.18
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1114	+0.4	1.89E+06	1.05	1.32	125	1.90E+03	0.902
PCB-17 22'4-TrCB	16.68		1.1357	1.1357	0	1.04E+06	1.06	1.12	80.8	1.90E+03	1.06
PCB-27 23'6-TrCB	16.85		1.1479	1.1479	0	2.64E+05	1.15	1.46	15.8	1.90E+03	0.816
PCB-24 236-TrCB	16.96		1.1558	1.1552	-0.6	5.67E+04	1.07	1.48	3.34	1.90E+03	0.802
PCB-16 22'3-TrCB	17.05		1.1612	1.1613	+0.1	8.27E+05	1.11	0.87	82.8	1.90E+03	1.36
PCB-32 24'6-TrCB	17.51		1.1923	1.1924	+0.1	1.01E+06	1.08	1.56	56.7	1.90E+03	0.765
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	4.92E+03	1.34
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.92E+03	1.28
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8222	-1.6	1.76E+06	1.04	1.43	47	4.92E+03	1.28
PCB-25 23'4-TrCB	19.19		0.8315	0.8309	-0.7	9.27E+05	1.02	1.43	24.8	4.92E+03	1.28
PCB-31 24'5-TrCB	19.45		0.8430	0.8424	-0.7	1.09E+07	1.07	1.49	280	4.92E+03	1.23
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8534	-0.9	1.50E+07	1.08	1.37	418	4.92E+03	1.34
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8618	+0.7	3.72E+06	1.06	1.45	98.6	4.92E+03	1.27
PCB-22 234'-TrCB	20.23		0.8766	0.8761	-0.6	4.56E+06	1.06	1.29	135	4.92E+03	1.42
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	4.92E+03	1.33
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	4.92E+03	1.28
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.92E+03	1.43
PCB-35 33'4-TrCB	22.76	EMPC	0.9860	0.9858	-0.3	2.05E+05	1.41	1.26	6.23	4.92E+03	1.45
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	4.05E+06	1.13	1.20	129	4.92E+03	1.53
PCB-54 22'66'-TeCB	17.35	J	1.0010	1.0014	+0.4	1.29E+04	0.87	0.93	0.827	5.64E+02	0.283
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	5.69E+05	0.78	0.64	30.7	7.27E+02	0.398
PCB-45 22'36-TeCB	19.76		0.9304	0.9305	+0.1	6.04E+05	0.81	0.57	36.8	7.27E+02	0.451
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	1.79E+05	0.85	0.64	9.75	7.27E+02	0.402
PCB-46 22'36'-TeCB	20.02		0.9429	0.9428	-0.1	2.26E+05	0.74	0.53	14.8	7.27E+02	0.485
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	4.92E+06	0.78	0.62	277	7.27E+02	0.417
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0056	-1.7	1.63E+04	0.72	0.82	0.695	7.27E+02	0.314
PCB-43 22'35-TeCB	21.46		1.0106	1.0104	-0.3	1.77E+05	0.70	0.56	10.9	7.27E+02	0.455
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0206	+1.0	3.33E+06	0.82	0.77	150	7.27E+02	0.332
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.07E+06	0.78	0.65	56.6	7.27E+02	0.392
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0408	-1.1	5.15E+06	0.78	0.69	259	7.27E+02	0.371
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0540	-0.1	6.23E+05	0.76	0.87	24.9	7.27E+02	0.295
PCB-42 22'34'-TeCB	22.54		1.0612	1.0615	+0.4	1.30E+06	0.76	0.63	71.9	7.27E+02	0.41
PCB-41 22'34-TeCB	22.86		1.0759	1.0763	+0.5	4.62E+05	0.77	0.55	28.9	7.27E+02	0.463
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0811	+0.7	2.12E+06	0.79	0.67	109	7.27E+02	0.382
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	2.88E+06	0.76	0.94	106	7.27E+02	0.273
PCB-72 23'55'-TeCB	23.91		0.8295	0.8306	+1.6	8.47E+04	0.82	1.11	2.64	1.95E+03	0.618
PCB-68 23'45'-TeCB	24.16		0.8379	0.8391	+1.7	5.31E+04	0.86	1.21	1.53	1.95E+03	0.57
PCB-57 233'5-TeCB	24.52		0.8501	0.8514	+1.9	5.29E+04	0.72	1.09	1.69	1.95E+03	0.631
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.10	ND	1.95E+03	0.627
PCB-67 23'45-TeCB	24.86		0.8620	0.8632	+1.8	3.03E+05	0.85	1.14	9.25	1.95E+03	0.604
PCB-63 234'5-TeCB	25.07		0.8697	0.8707	+1.5	2.71E+05	0.74	1.20	7.83	1.95E+03	0.573
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8806	+2.1	9.99E+06	0.78	1.14	304	1.95E+03	0.603
PCB-66 23'44'-TeCB	25.61		0.8888	0.8895	+1.1	4.54E+06	0.78	1.06	148	1.95E+03	0.647
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	6.97E+04	0.80	1.14	2.13	1.95E+03	0.604

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9084	+0.6	1.22E+06	0.74	1.06	39.9	1.95E+03	0.647
PCB-60 2344'-TeCB	26.34		0.9144	0.9148	+0.6	5.88E+05	0.77	1.14	17.9	1.95E+03	0.602
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.95E+03	0.559
PCB-79 33'45'-TeCB	28.04		0.9718	0.9739	+3.5	9.57E+04	0.84	1.22	2.72	1.95E+03	0.563
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.95E+03	0.656
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.60E+02	0.491
PCB-96 22'366'-PeCB	22.35		1.0141	1.0141	0	4.86E+04	0.67	0.92	3.83	6.60E+02	0.489
PCB-103 22'45'6'-PeCB	24.06	EMPC	0.8883	0.8896	+1.9	3.35E+04	0.51	0.78	2.28	1.02E+03	0.684
PCB-94 22'356'-PeCB	24.23	EMPC	0.8946	0.8958	+1.7	2.12E+04	0.51	0.68	1.66	1.02E+03	0.788
PCB-95 22'35'6'-PeCB	24.60		0.9082	0.9095	+1.9	3.05E+06	0.60	0.70	233	1.02E+03	0.766
PCB-100/93 22'44'6'/22'356'-PeCB	24.80	C	0.9158	0.9169	+1.6	4.62E+04	0.67	0.73	3.37	1.02E+03	0.733
PCB-102 22'456'-PeCB	24.91		0.9198	0.9209	+1.6	1.35E+05	0.57	0.86	8.36	1.02E+03	0.622
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	1.02E+03	0.802
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	1.02E+03	0.805
PCB-91 22'34'6'-PeCB	25.32		0.9352	0.9361	+1.4	5.62E+05	0.64	0.82	36.4	1.02E+03	0.651
PCB-84 22'33'6'-PeCB	25.49		0.9416	0.9423	+1.1	7.63E+05	0.63	0.63	64	1.02E+03	0.842
PCB-89 22'346'-PeCB	25.89	EMPC	0.9567	0.9570	+0.5	3.07E+04	0.73	0.66	2.48	1.02E+03	0.811
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	1.02E+03	0.539
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	6.38E+05	0.63	0.70	48.6	1.02E+03	0.765
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	3.92E+06	0.60	0.82	254	1.02E+03	0.651
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0150	0	1.76E+05	0.59	0.60	15.7	1.02E+03	0.897
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.83E+06	0.63	0.72	135	1.02E+03	0.741
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	1.02E+03	0.566
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	2.59E+06	0.61	0.84	163	1.02E+03	0.633
PCB-117 234'56'-PeCB	28.50		1.0539	1.0537	-0.3	1.05E+05	0.61	0.86	6.5	1.02E+03	0.62
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	6.29E+05	0.64	0.88	37.9	1.02E+03	0.606
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0613	-0.3	5.34E+06	0.62	0.87	326	1.02E+03	0.613
PCB-115 2344'6'-PeCB	28.79		1.0644	1.0643	-0.2	1.40E+05	0.57	1.00	7.46	1.02E+03	0.534
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0706	-0.9	3.34E+05	0.66	0.62	28.5	1.02E+03	0.857
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	1.02E+03	0.537
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.98	ND	1.02E+03	0.544
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9912	+0.6	1.89E+05	0.65	0.92	10.9	1.02E+03	0.578
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	3.36E+05	0.60	0.90	19.7	1.02E+03	0.59
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	1.02E+03	0.579
PCB-122 233'4'5'-PeCB	31.52		1.0095	1.0096	+0.2	5.60E+04	0.62	0.94	3.52	1.02E+03	0.643
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	1.02E+03	0.584
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.33E+02	0.36
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.33E+02	0.383
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	6.33E+02	0.378
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	5.28E+05	1.30	0.92	36.4	6.33E+02	0.415
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.33E+02	0.399
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	6.33E+02	0.518
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.03E+06	1.30	0.72	90.8	6.33E+02	0.531
PCB-154 22'44'56'-HxCB	29.73		1.1067	1.1063	-0.7	5.96E+04	1.19	0.81	4.67	6.33E+02	0.471
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1155	-0.5	1.41E+05	1.35	0.74	12.1	6.33E+02	0.516

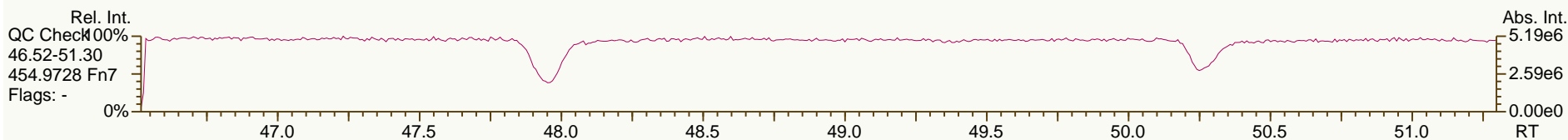
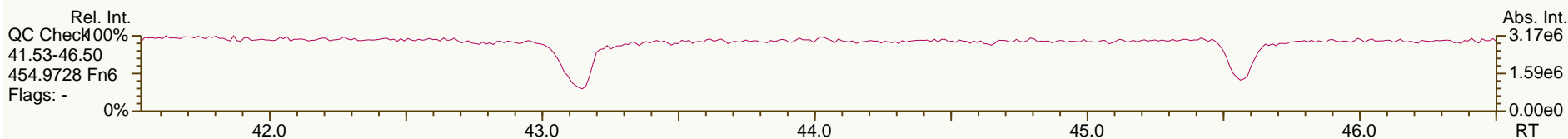
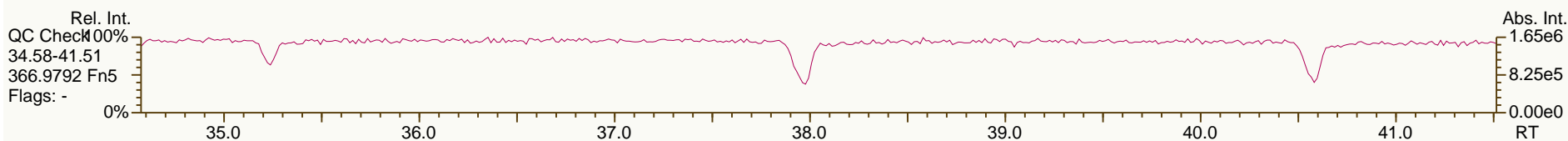
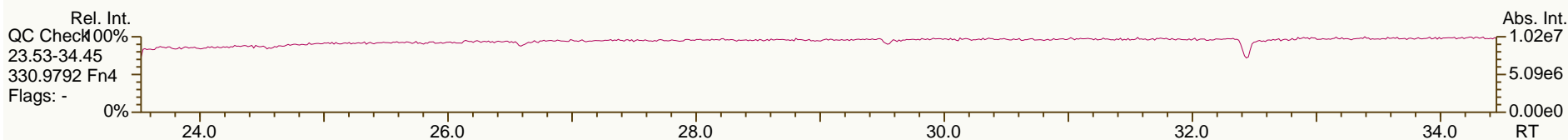
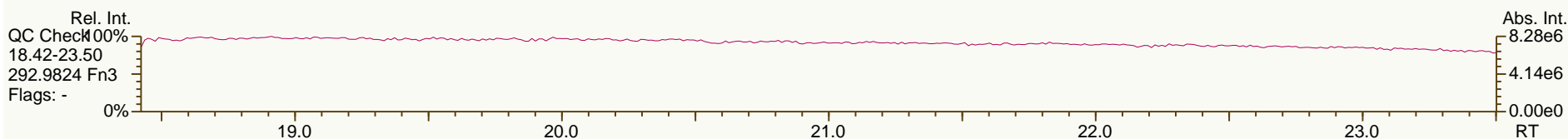
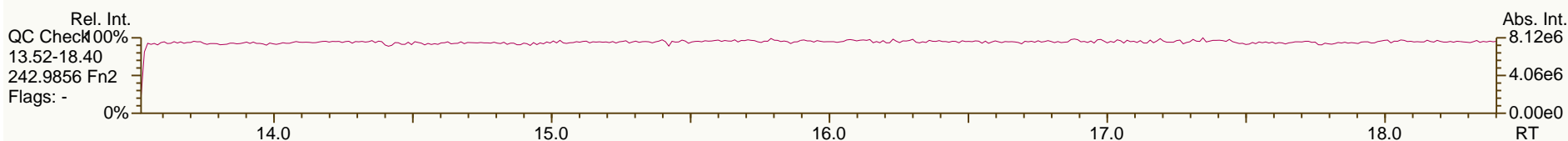
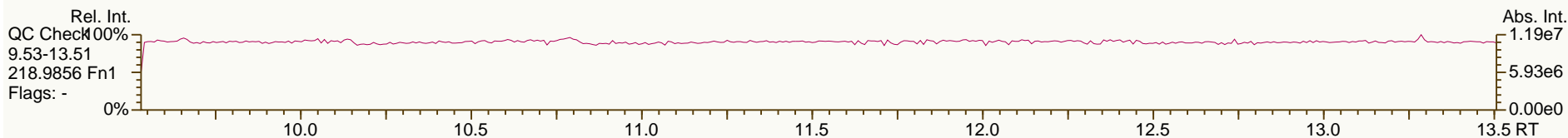
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1264	-0.9	2.77E+06	1.28	0.75	234	6.33E+02	0.507
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1324	-0.4	2.09E+05	1.40	0.59	22.2	6.33E+02	0.64
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.33E+02	0.531
PCB-139/140 ...-HxCB	30.78	C	1.1458	1.1453	-0.9	8.95E+04	1.23	0.77	7.34	6.33E+02	0.493
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1512	-0.7	5.47E+04	0.98	0.65	5.29	6.33E+02	0.582
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	6.33E+02	0.556
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1651	-0.8	1.23E+06	1.21	0.67	117	6.33E+02	0.57
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1823	-0.6	6.39E+04	1.11	0.69	5.87	6.33E+02	0.553
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	6.33E+02	0.447
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9550	0	6.73E+05	1.25	0.76	56.1	6.33E+02	0.501
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	6.33E+02	0.41
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	3.95E+06	1.27	0.89	281	6.33E+02	0.427
PCB-141 22'3455"-HxCB	32.98		0.9746	0.9746	0	5.93E+05	1.22	0.73	51.3	6.33E+02	0.52
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9847	0	2.77E+05	1.42	0.63	27.7	6.33E+02	0.602
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9905	+0.2	2.45E+05	1.18	0.81	19	6.33E+02	0.468
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.38E+05	1.14	0.89	23.9	6.33E+02	0.425
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	5.07E+06	1.24	0.78	408	6.33E+02	0.484
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	6.33E+02	0.436
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	6.10E+05	1.21	1.00	38.4	6.33E+02	0.379
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9594	+0.2	9.83E+05	1.21	0.97	60.2	1.09E+03	0.687
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.09E+03	0.616
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9896	0	2.45E+04	1.39	1.14	1.28	1.09E+03	0.585
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.17E+02	0.289
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	2.95E+05	1.18	1.06	21.1	4.17E+02	0.29
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.17E+02	0.297
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0324	0	8.09E+04	0.94	1.13	5.41	4.17E+02	0.272
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.17E+02	0.281
PCB-178 22'33'55'6"-HpCB	34.26	EMPC	1.0816	1.0816	0	1.03E+05	1.25	0.78	9.97	4.17E+02	0.395
PCB-175 22'33'45'6"-HpCB	34.79		1.0985	1.0986	+0.2	3.08E+04	1.15	0.86	2.71	1.05E+03	0.898
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1058	+0.2	8.69E+05	1.02	0.89	73.9	1.05E+03	0.87
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.05E+03	0.844
PCB-183 22'344'5'6"-HpCB	35.54		1.1219	1.1221	+0.4	3.92E+05	0.98	0.92	32.2	1.05E+03	0.841
PCB-185 22'3455'6"-HpCB	35.61	EMPC	1.1241	1.1245	+0.9	3.17E+04	1.27	0.88	2.72	1.05E+03	0.879
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1277	+0.2	5.08E+05	1.04	0.78	49.6	1.05E+03	0.999
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1393	0	3.78E+05	1.12	0.74	38.7	1.05E+03	1.05
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.05E+03	0.917
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1560	+0.9	1.90E+05	1.15	0.77	18.8	1.05E+03	1.01
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	7.08E+04	1.07	0.51	5.75	1.05E+03	0.863
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.05E+03	0.667
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9133	+1.4	1.44E+06	1.05	0.84	70.6	1.05E+03	0.521
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9203	0	3.33E+04	1.20	0.67	2.05	1.05E+03	0.652
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	6.13E+05	1.11	0.70	36.4	1.05E+03	0.63
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9486	0	1.53E+05	0.99	0.66	9.58	1.05E+03	0.663
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	9.02E+04	0.90	0.83	7.61	4.81E+02	0.478
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0221	0	4.87E+04	0.78	0.94	3.62	4.81E+02	0.422

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	4.81E+02	0.437
PCB-197 22'33'44'66'-OcCB	37.74	J	1.0431	1.0430	-0.2	9.69E+03	0.83	1.00	0.673	4.81E+02	0.394
PCB-200 22'33'4566'-OcCB	37.81	EMPC	1.0451	1.0449	-0.5	2.84E+04	0.68	0.88	2.26	4.81E+02	0.451
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1109	+1.7	2.73E+05	0.82	0.58	32.6	4.81E+02	0.677
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	1.14E+05	0.85	0.60	13.3	4.81E+02	0.66
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1307	+0.2	1.77E+05	0.90	0.63	19.5	4.81E+02	0.624
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9467	-0.5	9.70E+04	0.79	0.74	8.87	6.89E+02	0.713
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.68E+05	0.92	0.82	21.9	6.89E+02	0.636
PCB-205 233'44'55'6-OcCB	44.40	J	1.0004	1.0005	+0.3	1.65E+04	1.00	1.09	1.02	6.89E+02	0.48
PCB-208 22'33'455'66'-NoCB	41.82	EMPC	1.0005	1.0005	0	4.90E+04	0.93	0.98	3.88	8.32E+02	0.825
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0191	-0.3	2.38E+04	0.81	1.01	1.83	8.32E+02	0.8
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	1.59E+05	0.74	0.93	16.3	8.32E+02	1.03

AP Lab ID: A4371_9893_PCB_005-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

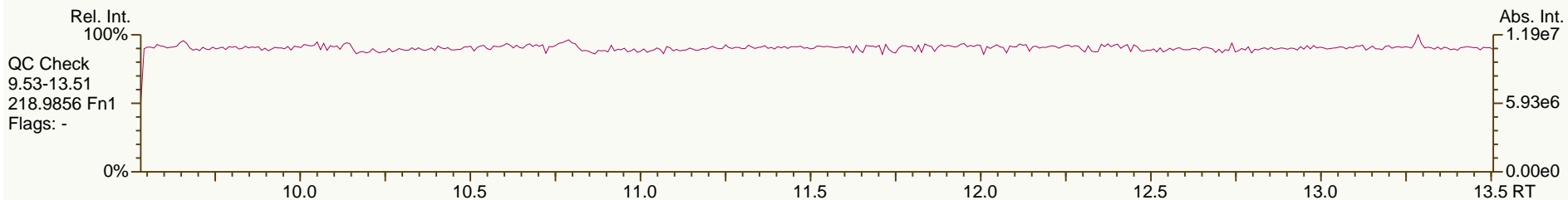
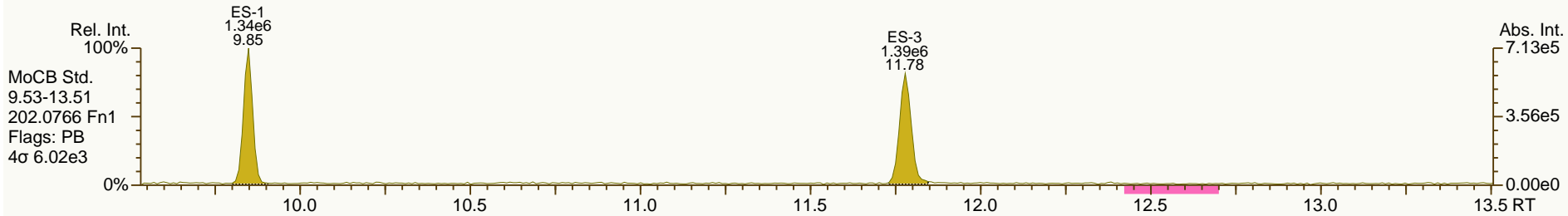
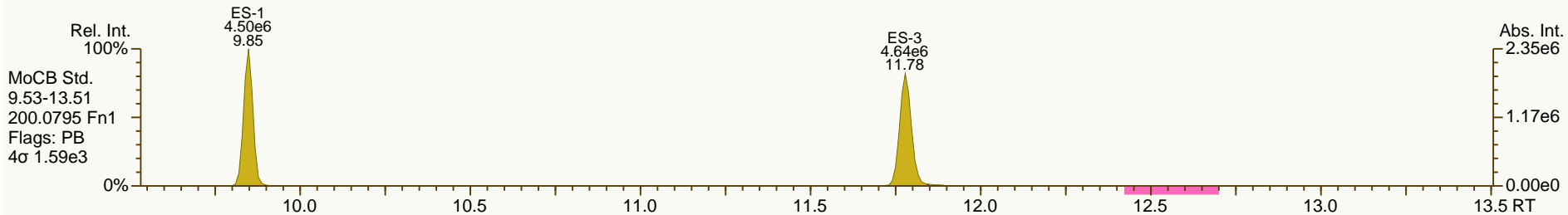
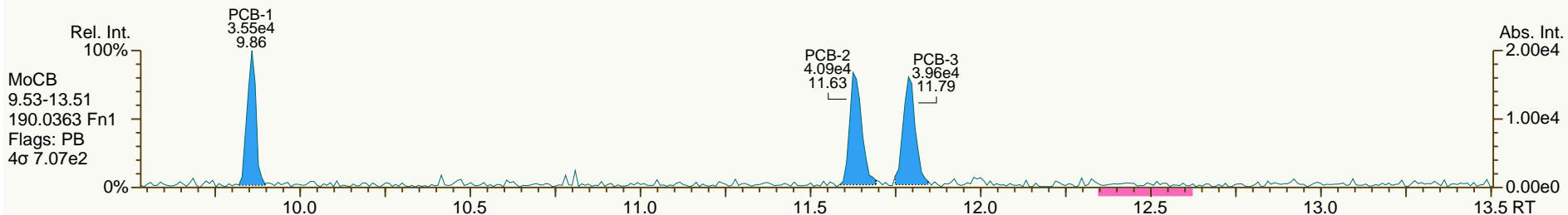
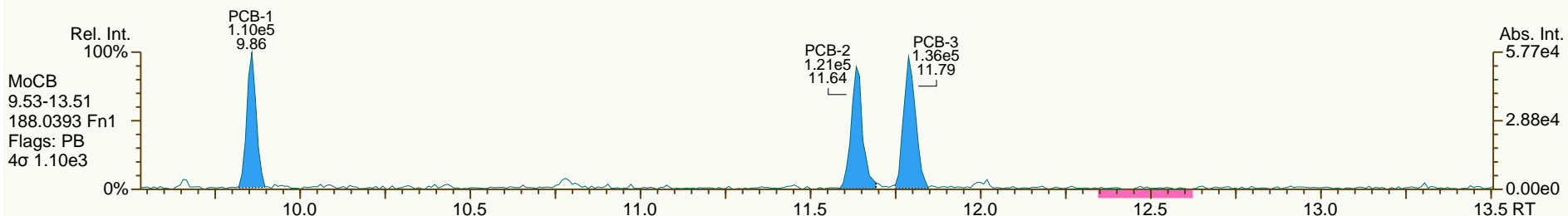
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AP Lab ID: A4371_9893_PCB_005-RJ
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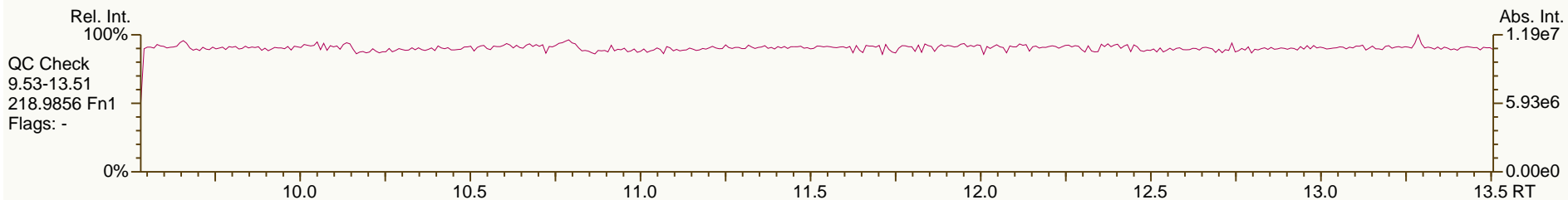
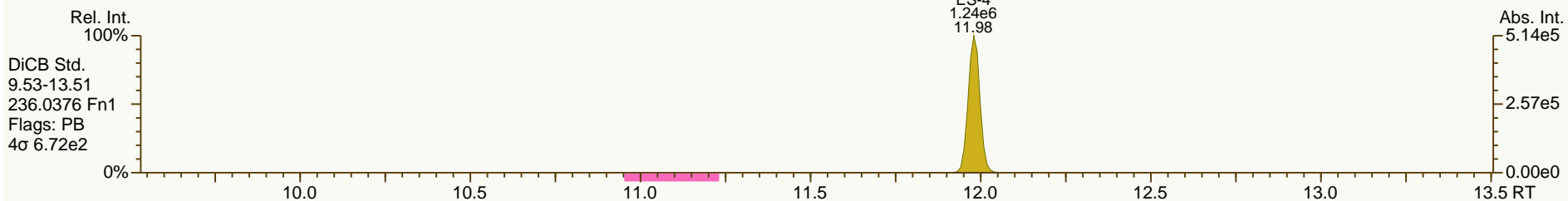
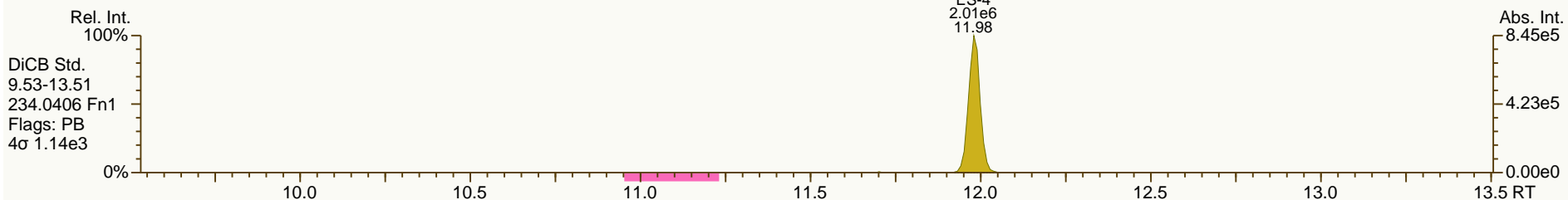
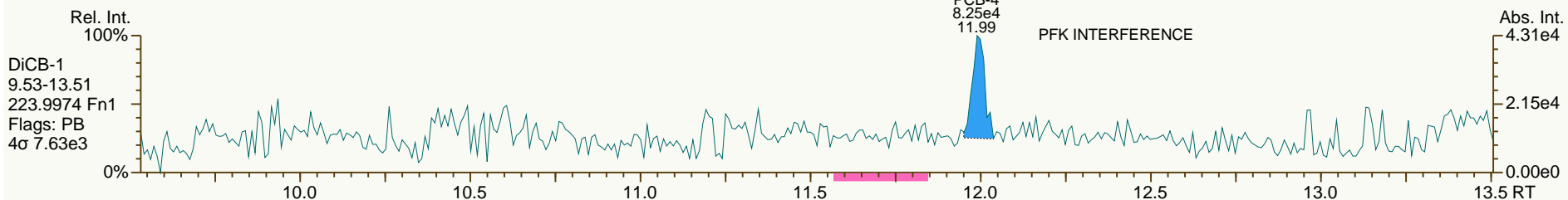
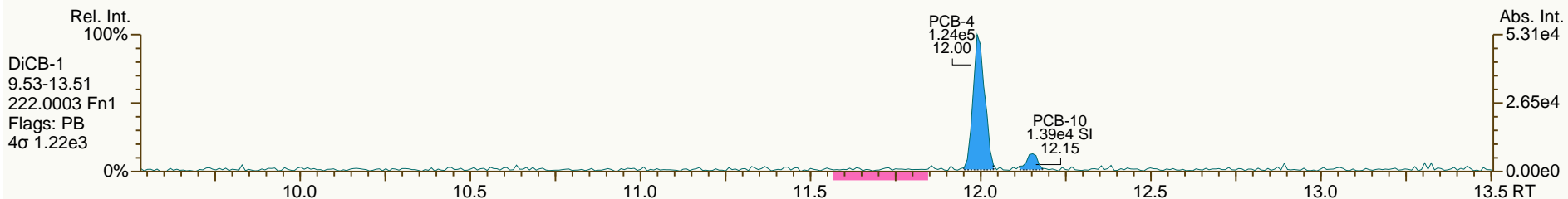
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AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

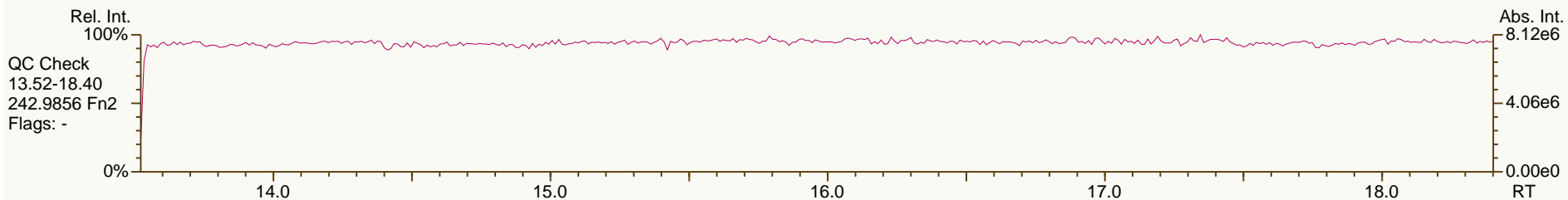
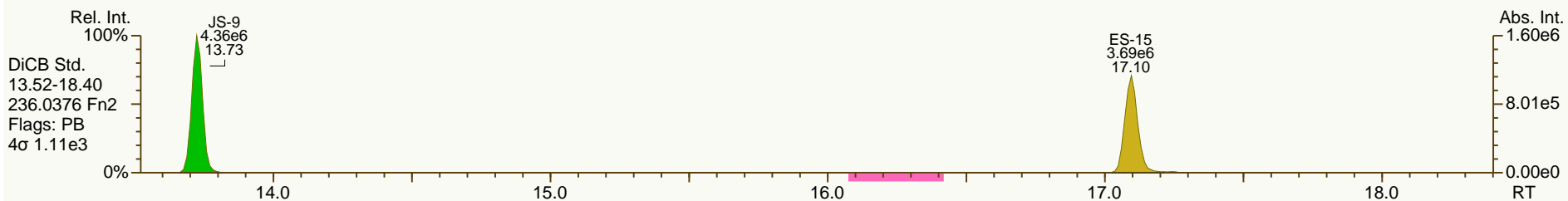
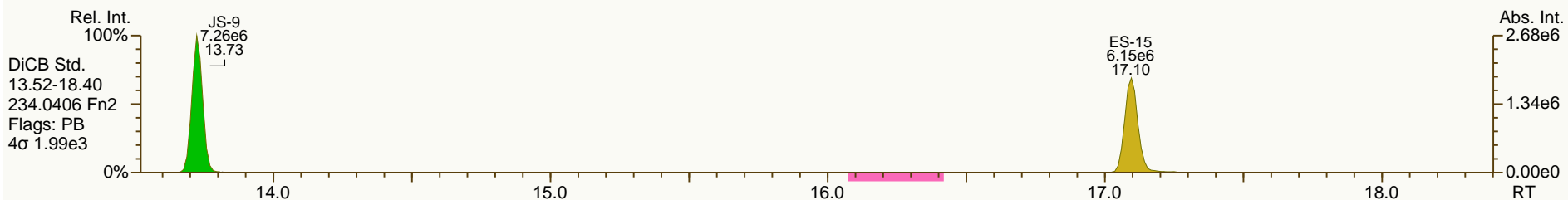
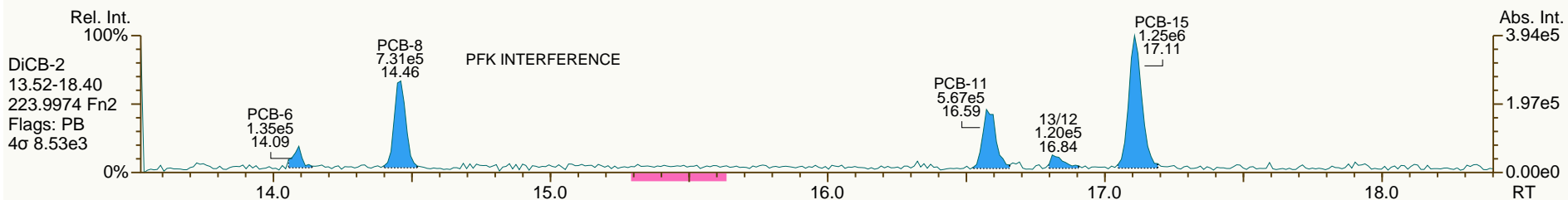
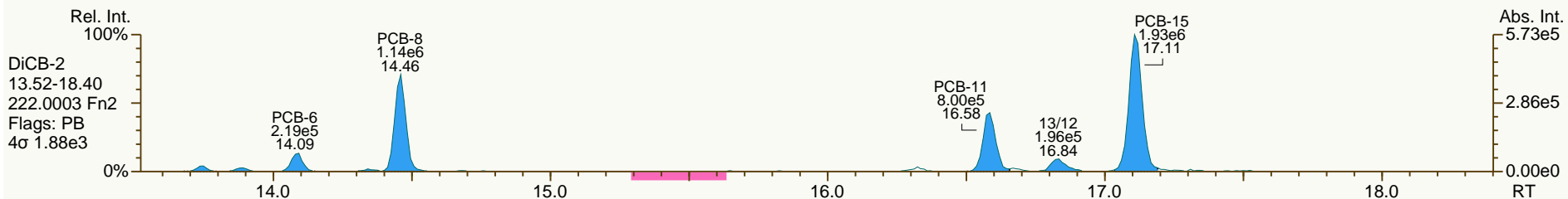
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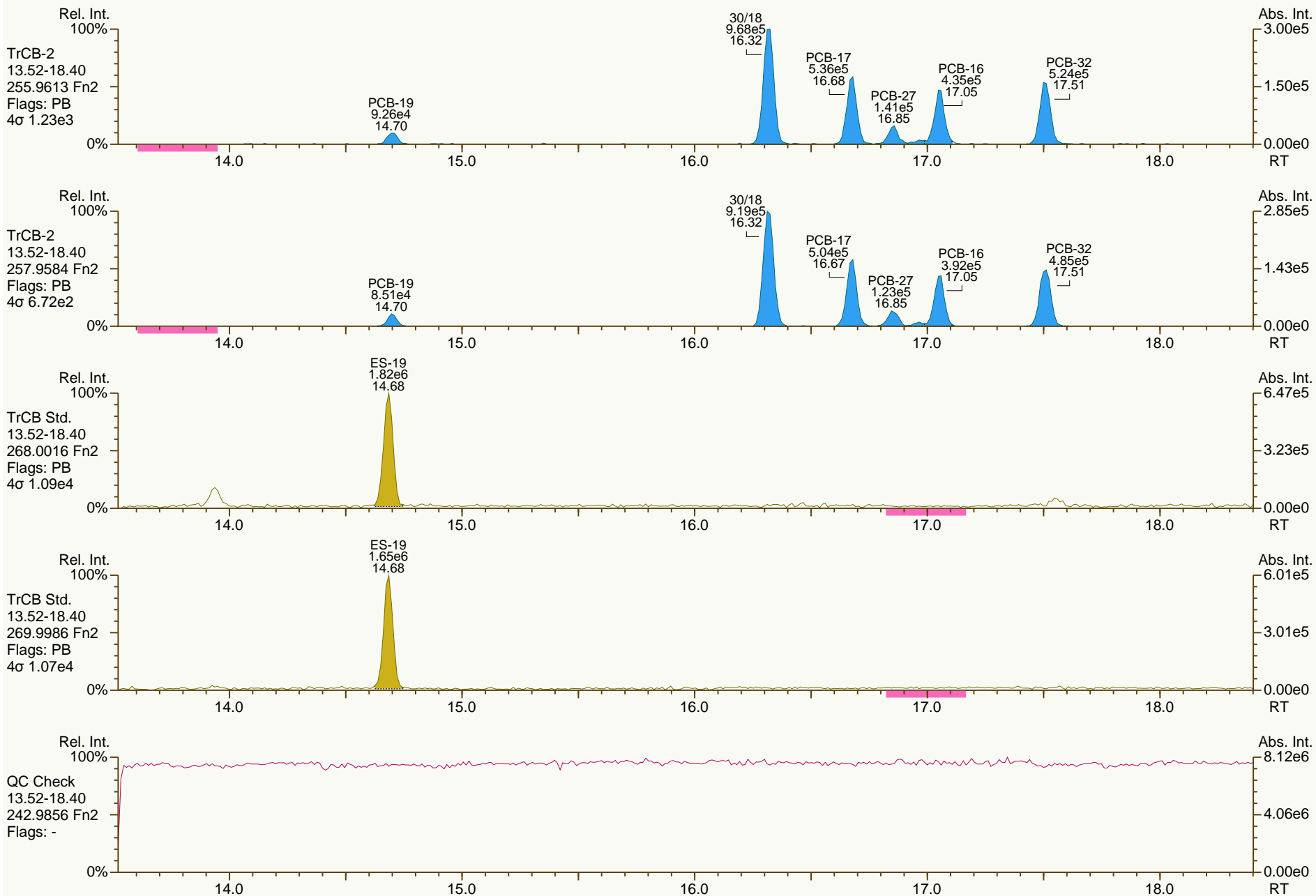
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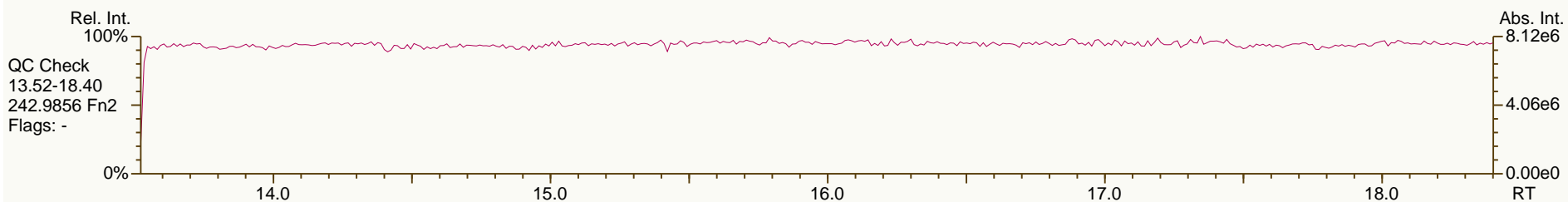
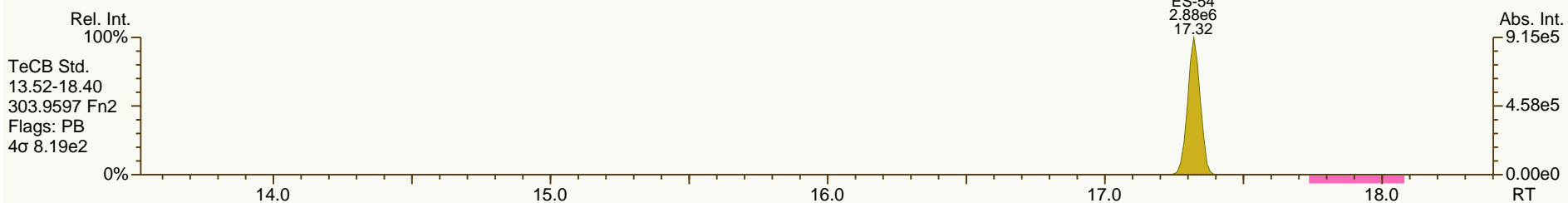
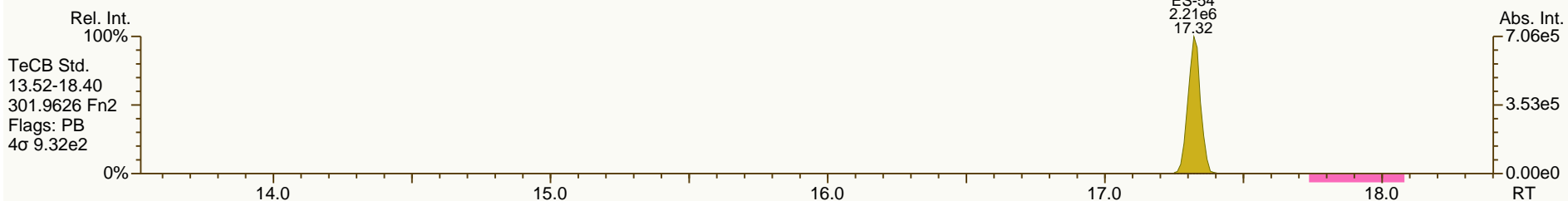
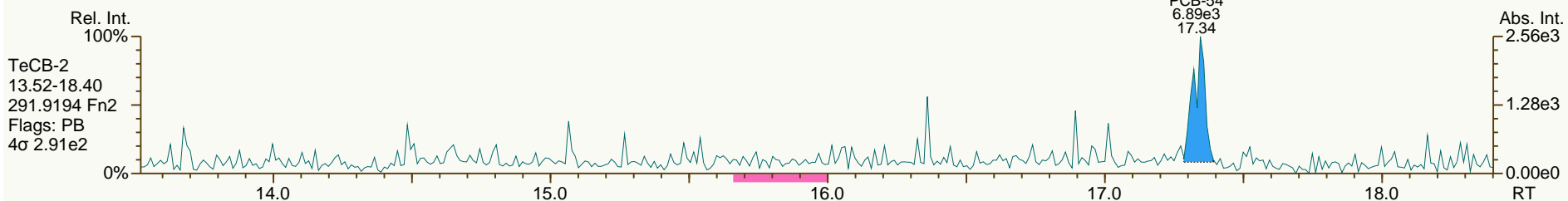
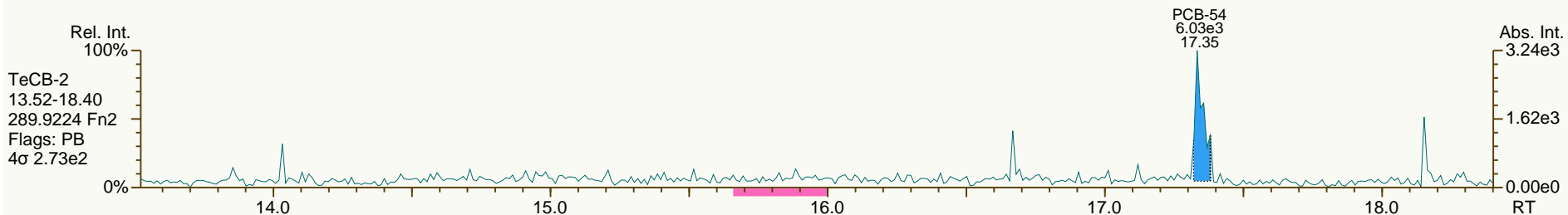
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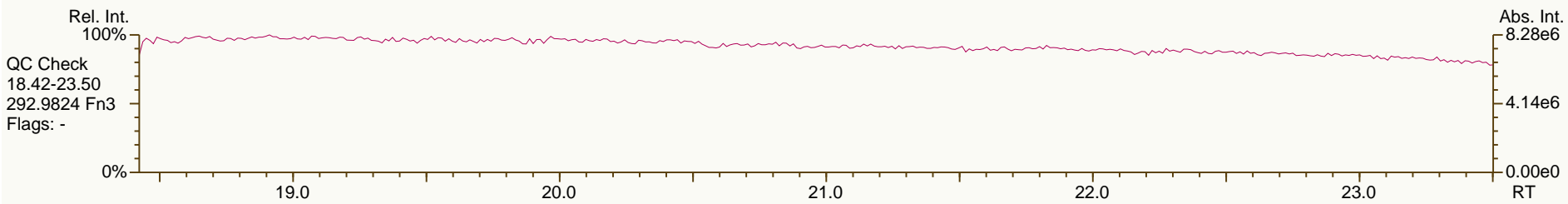
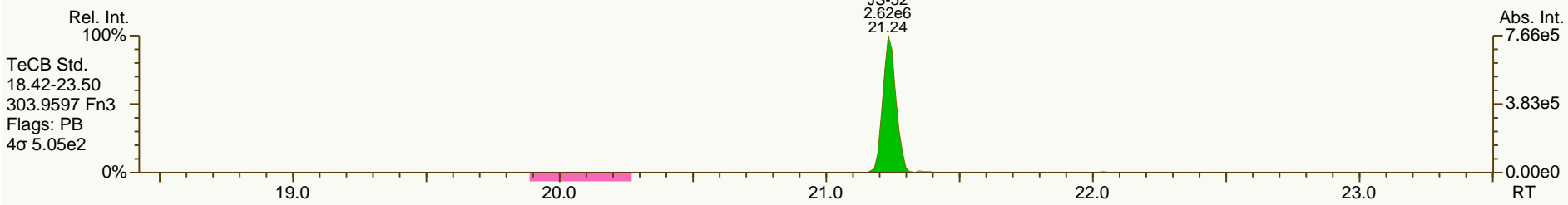
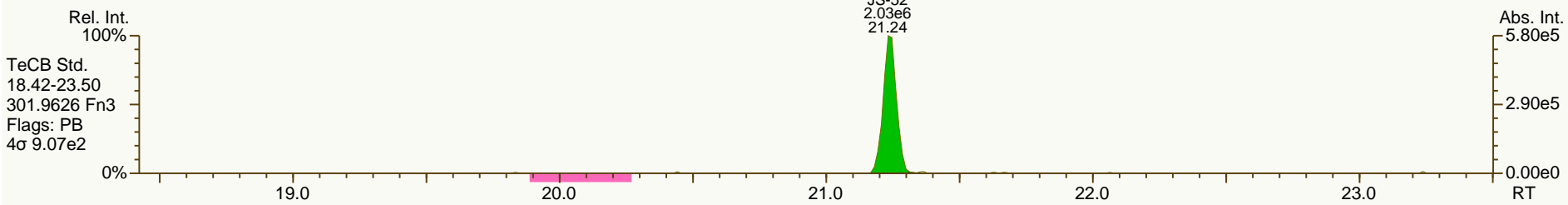
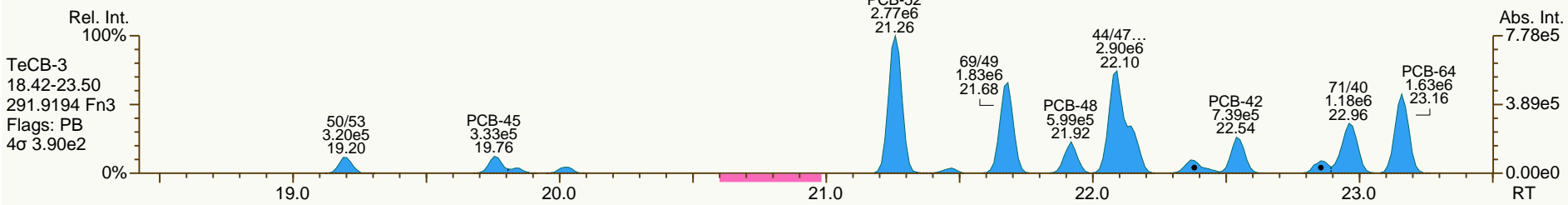
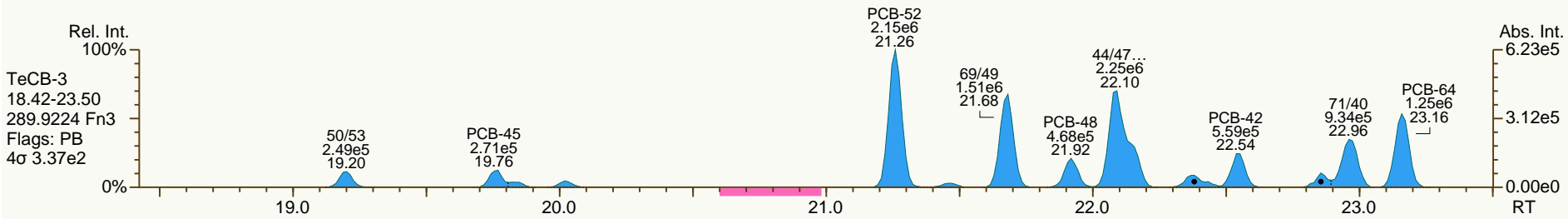
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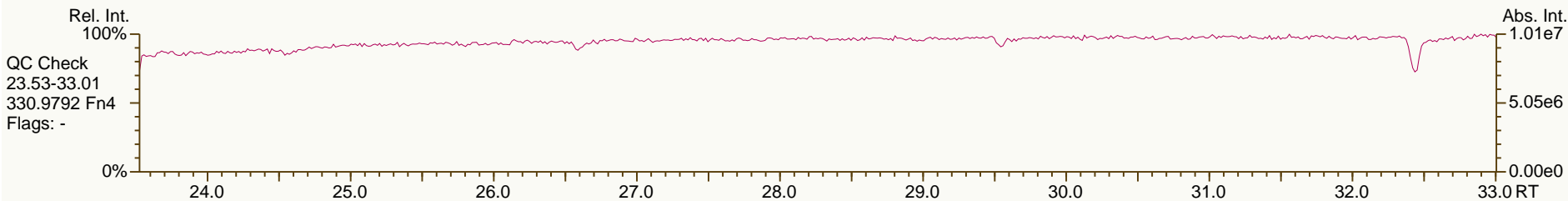
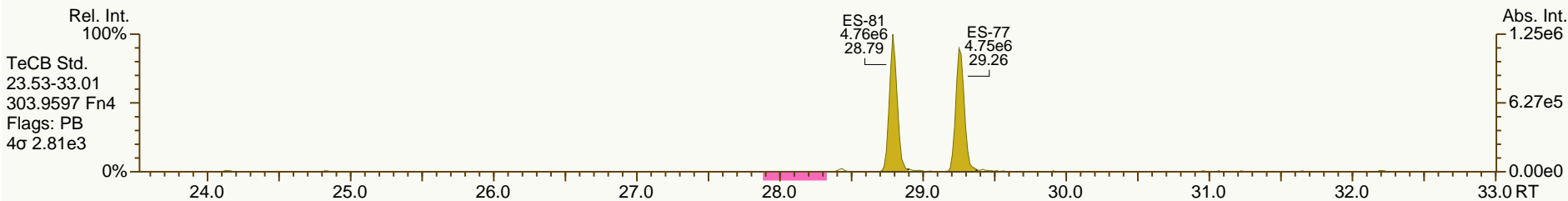
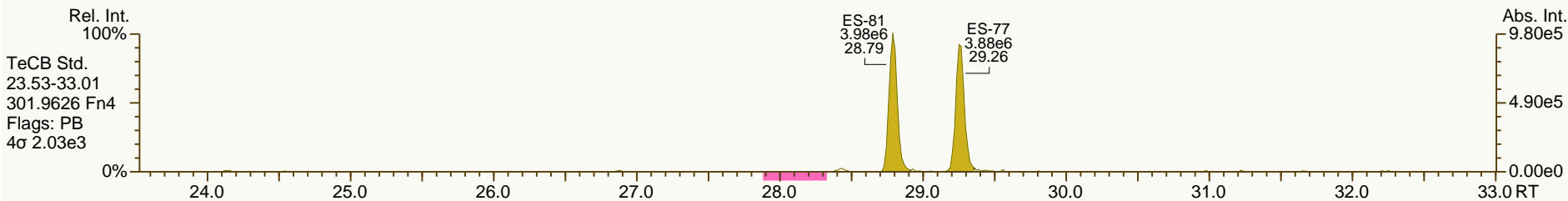
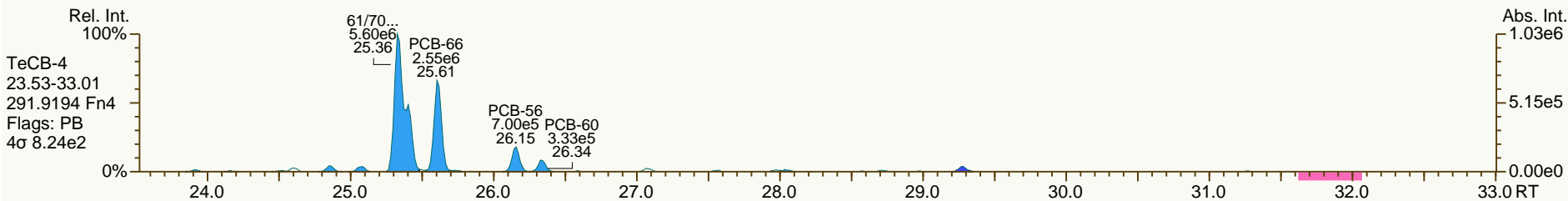
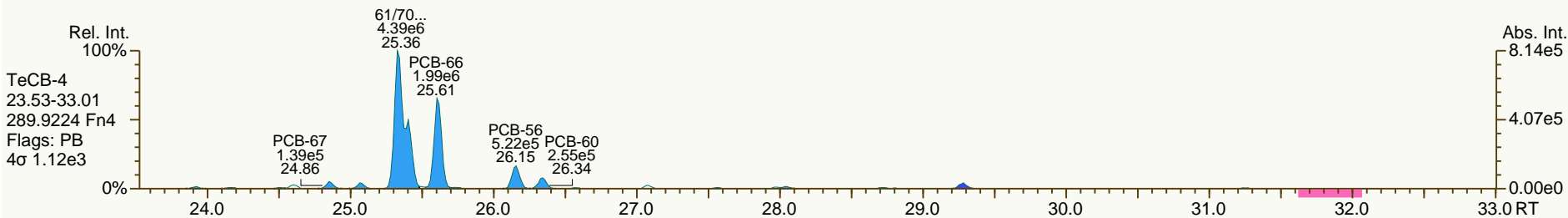
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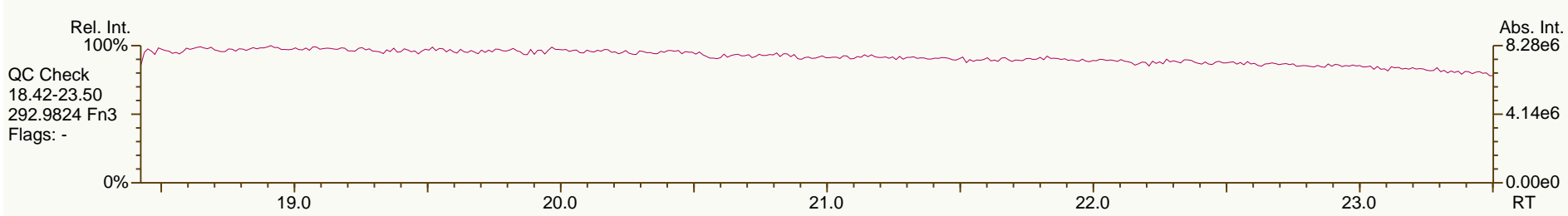
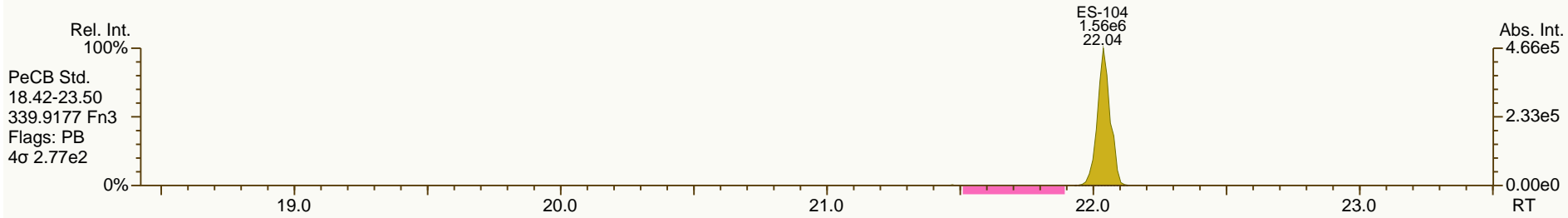
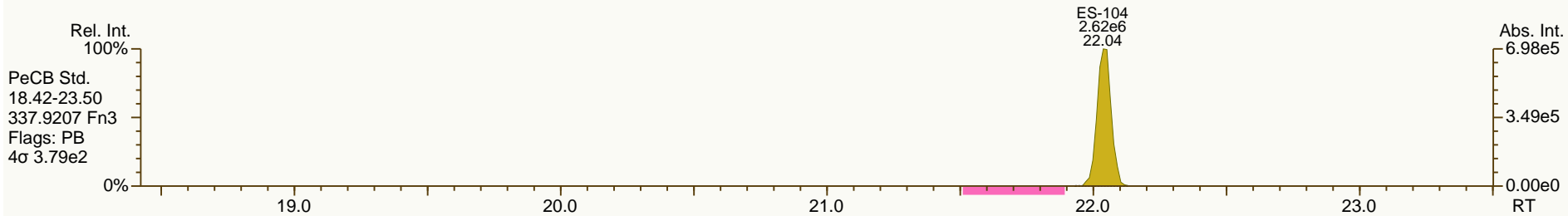
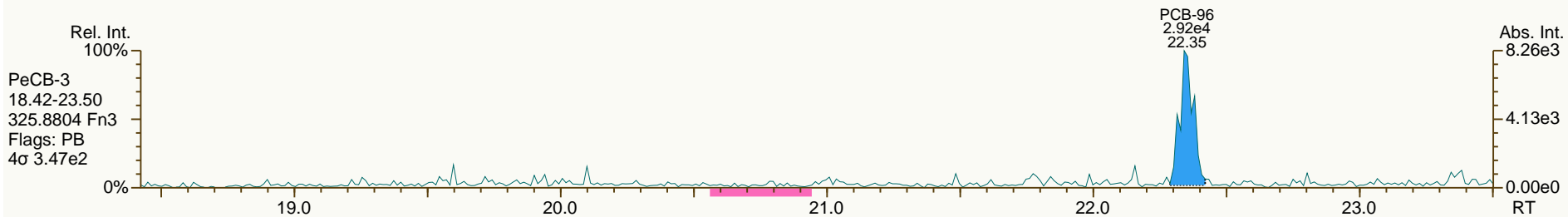
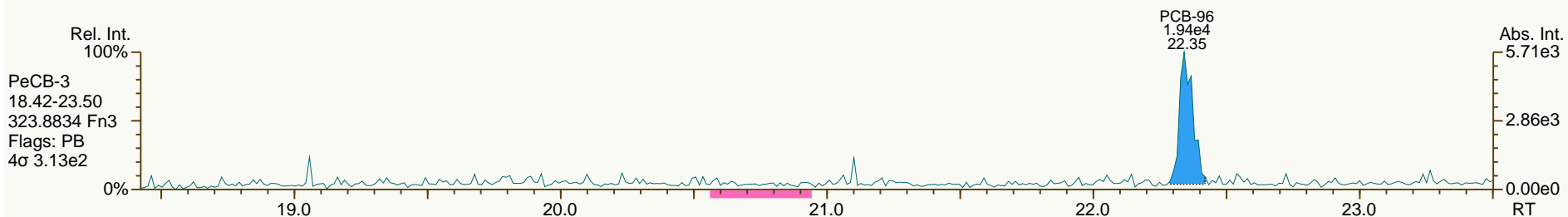
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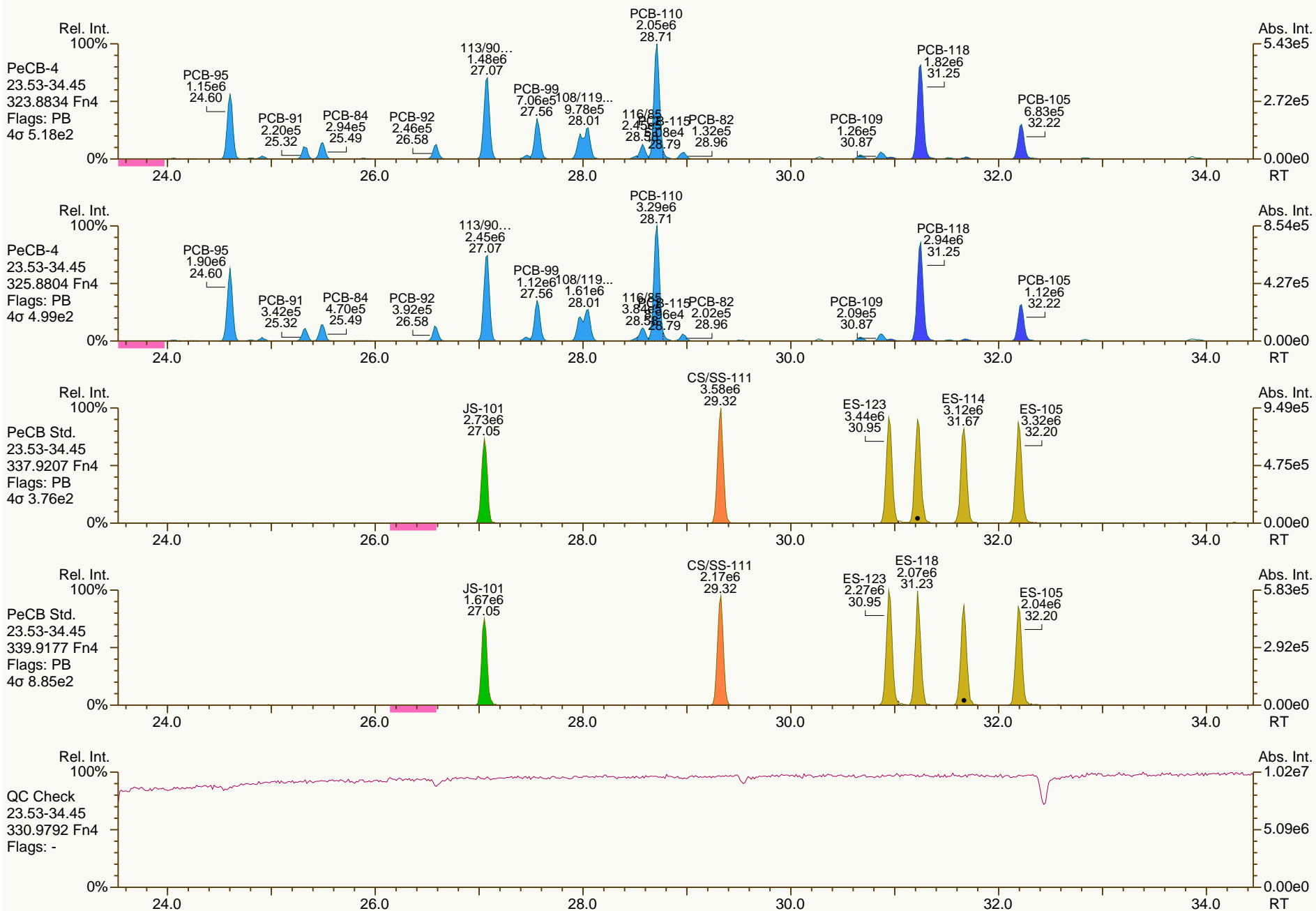
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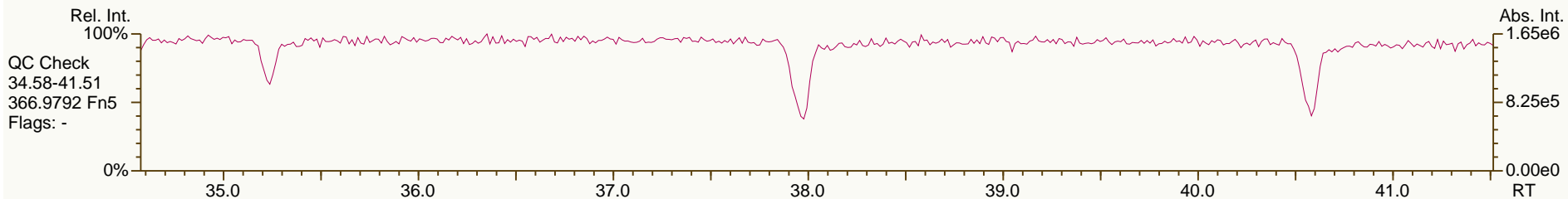
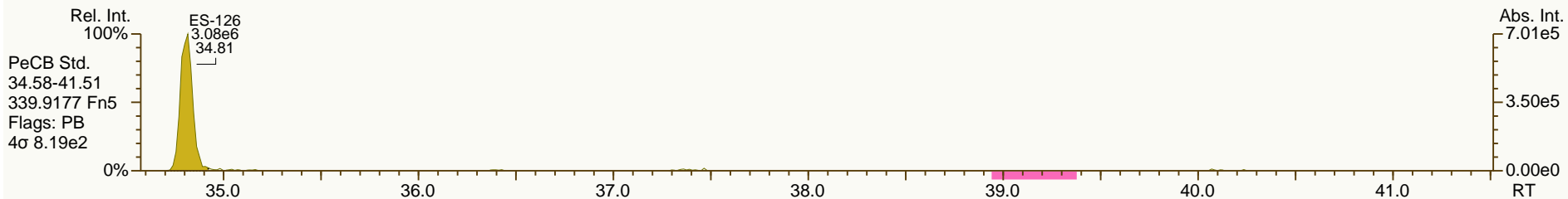
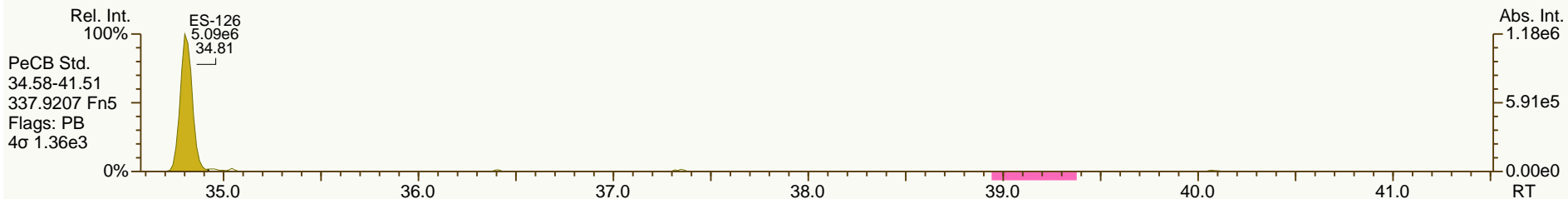
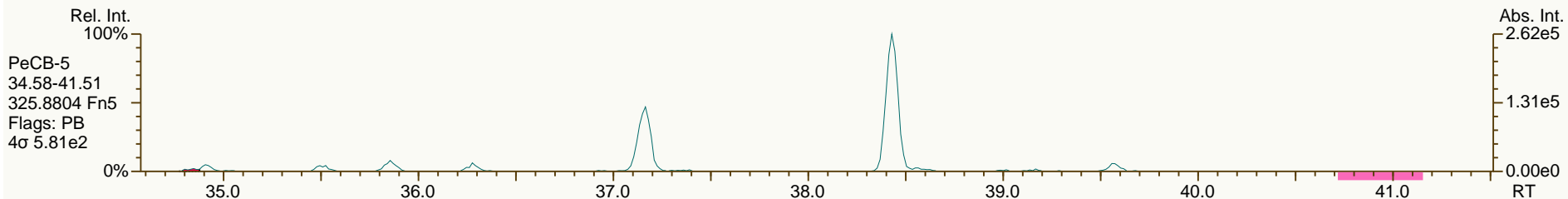
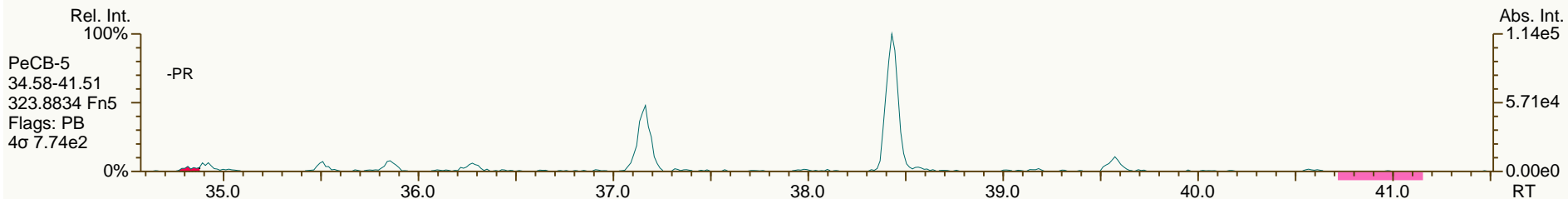
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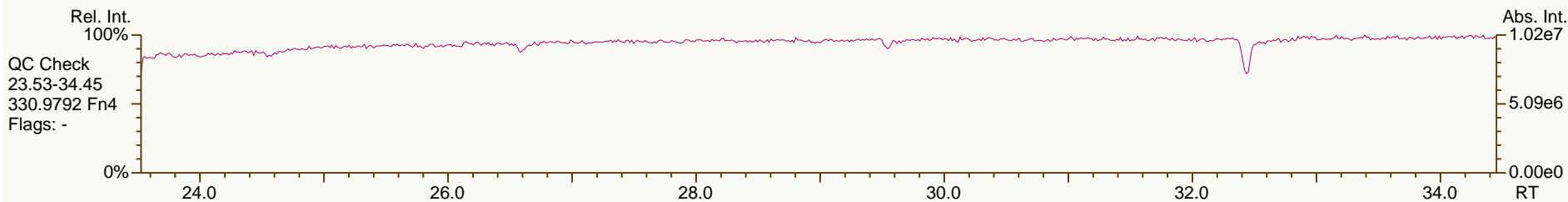
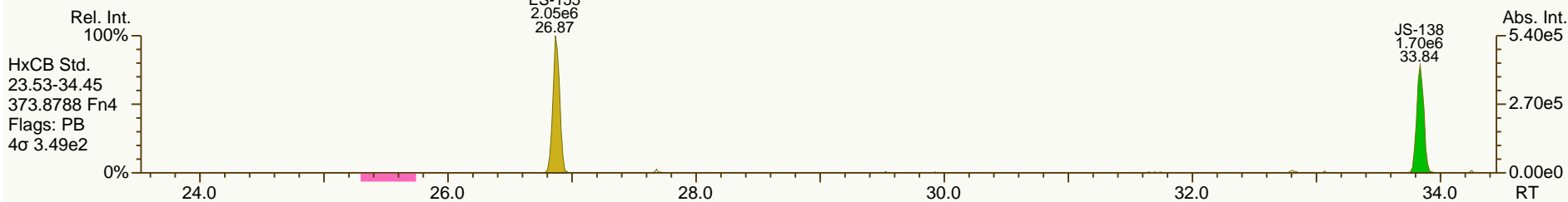
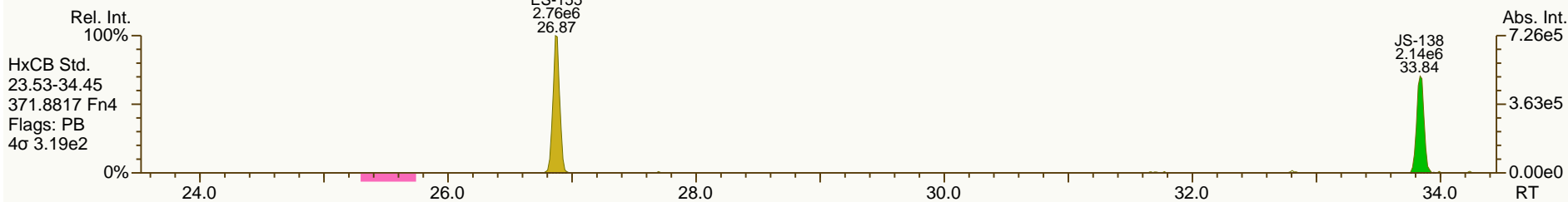
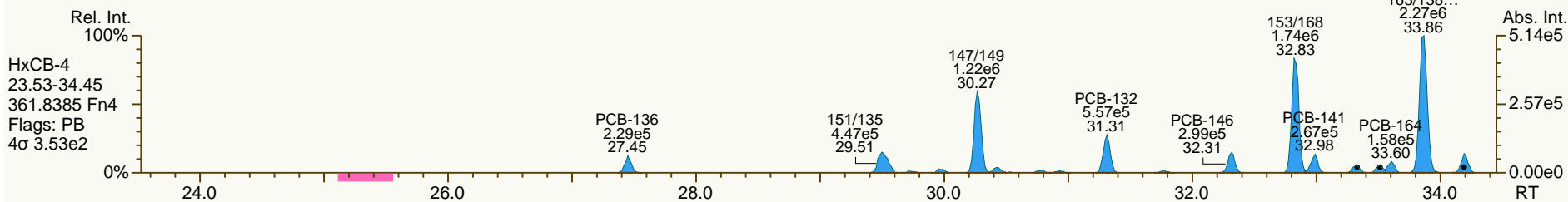
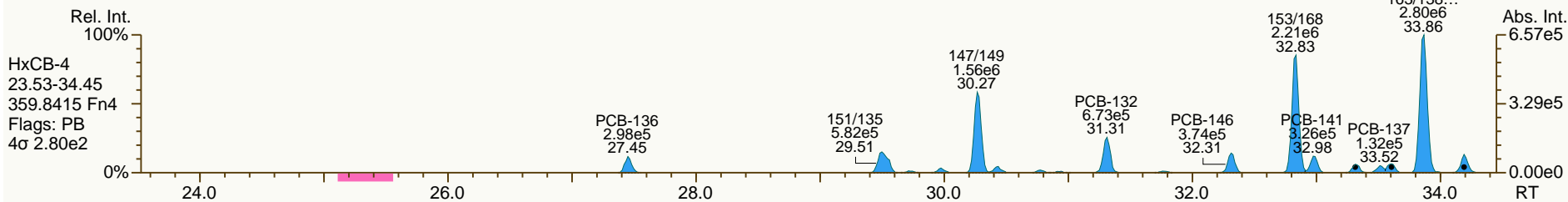
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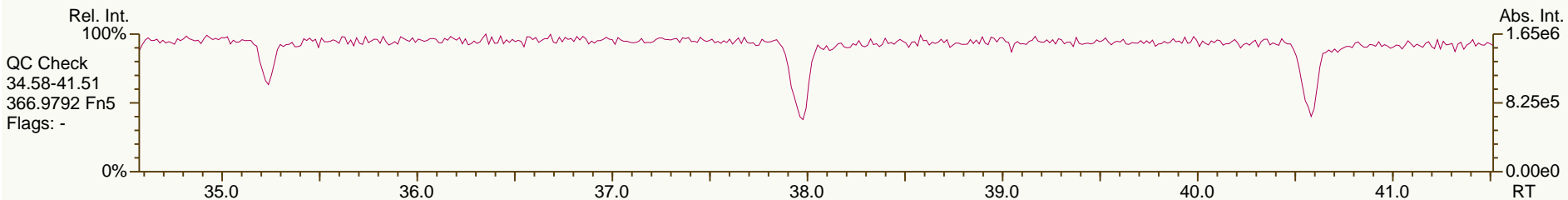
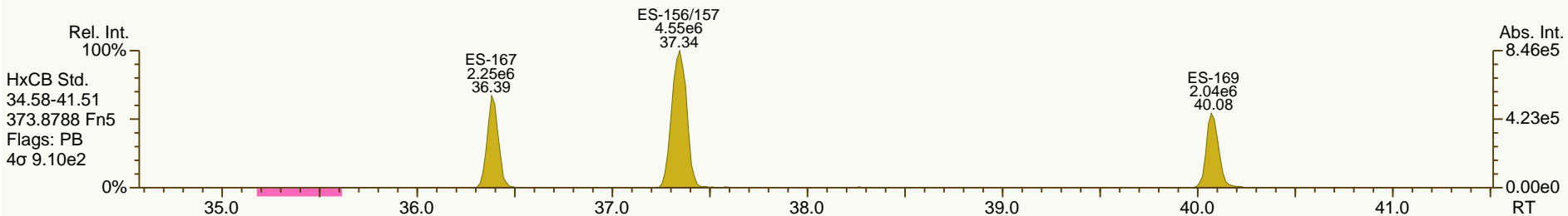
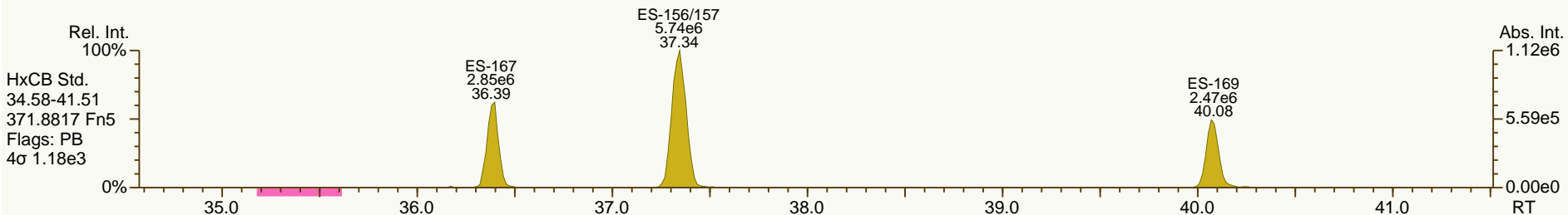
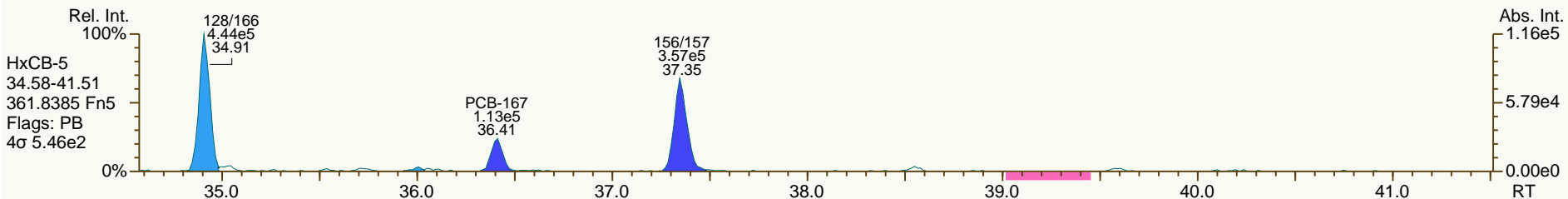
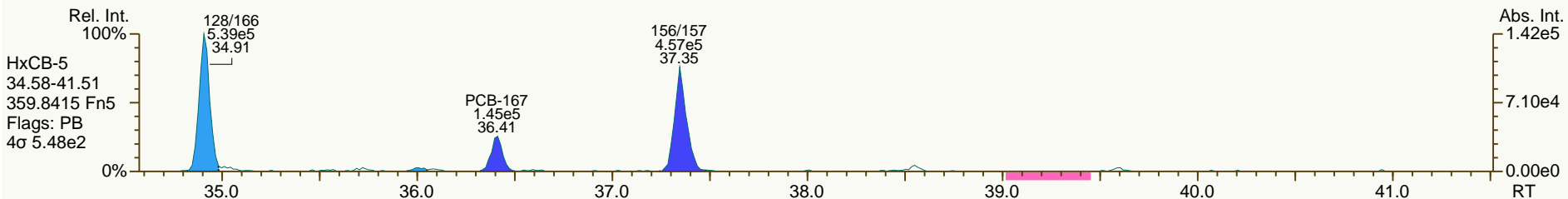
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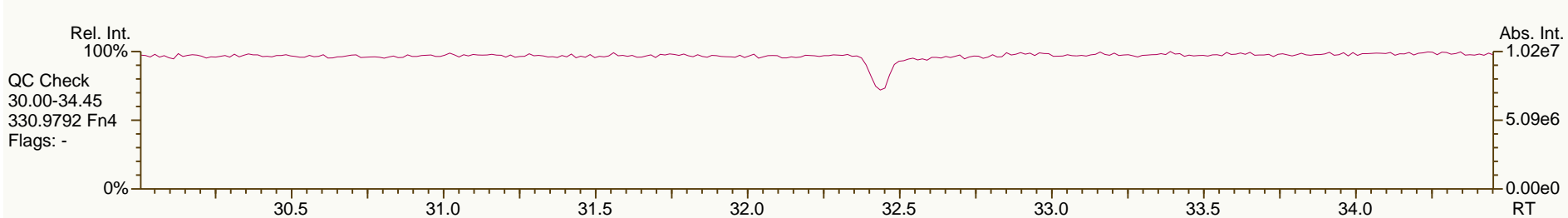
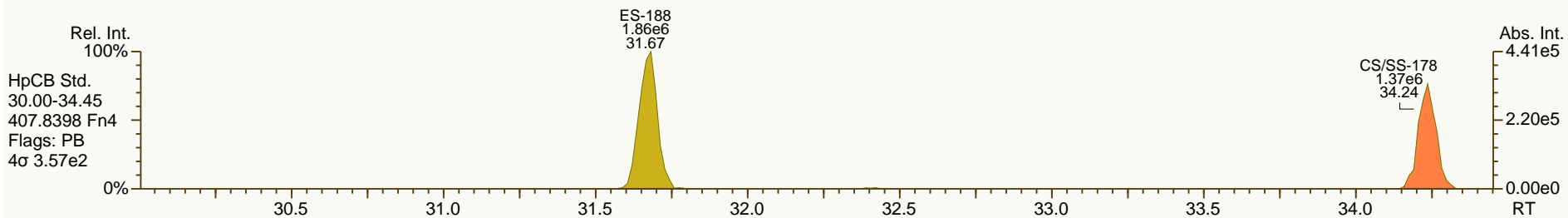
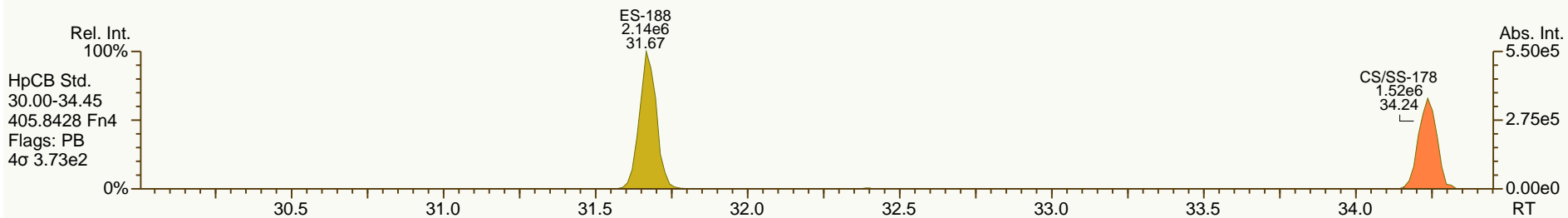
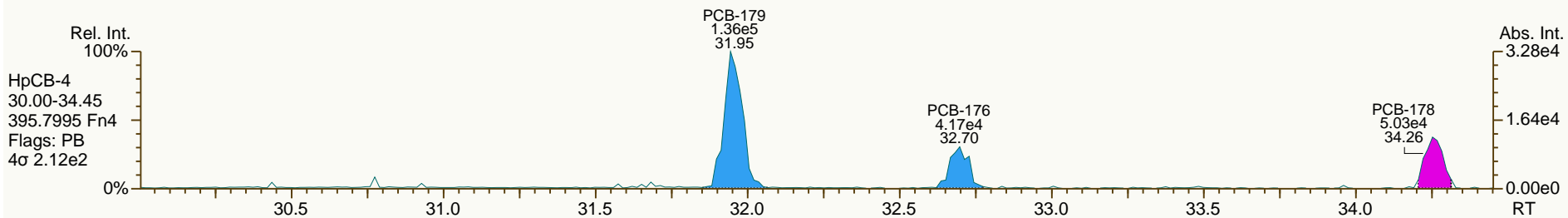
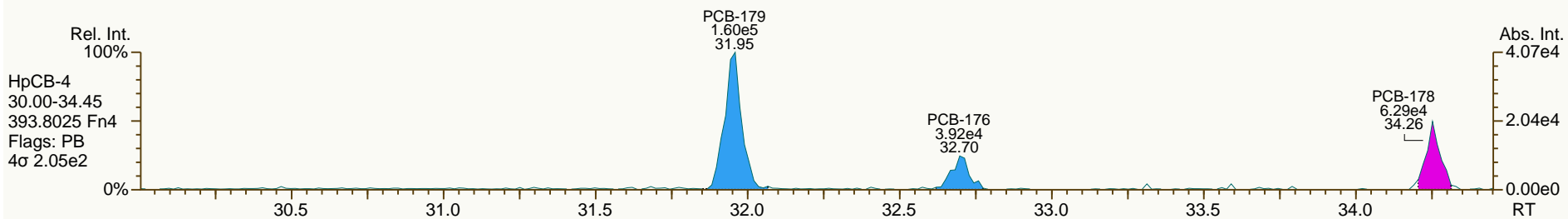
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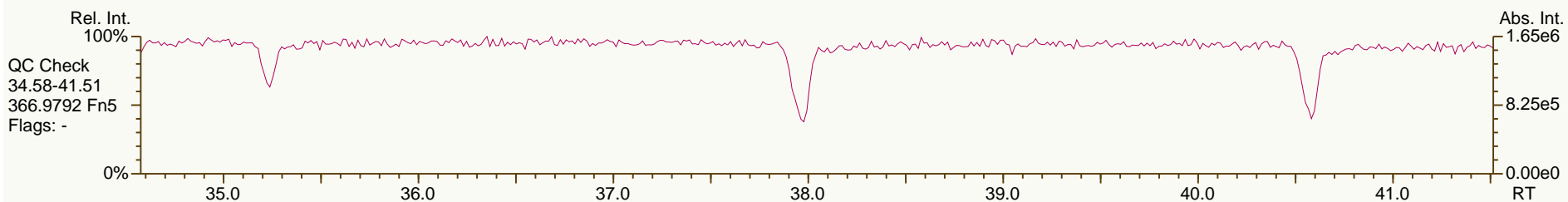
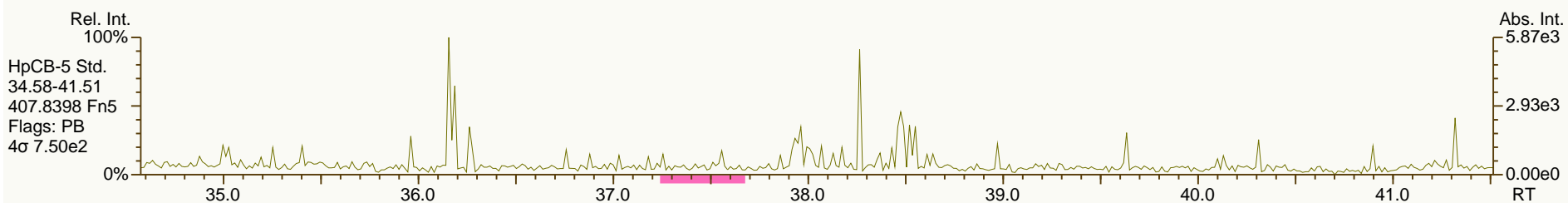
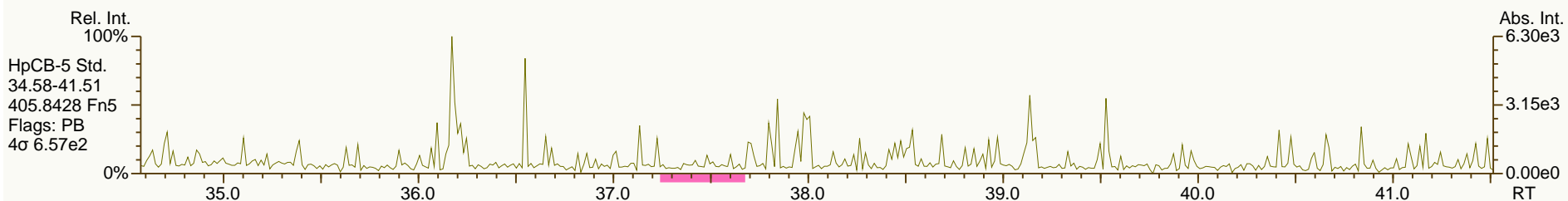
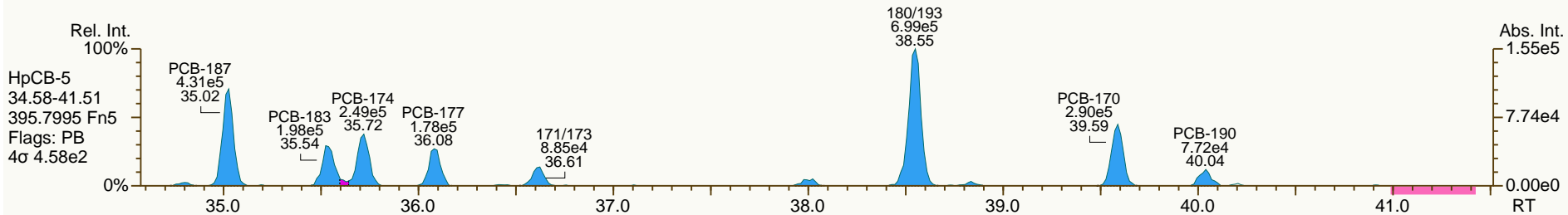
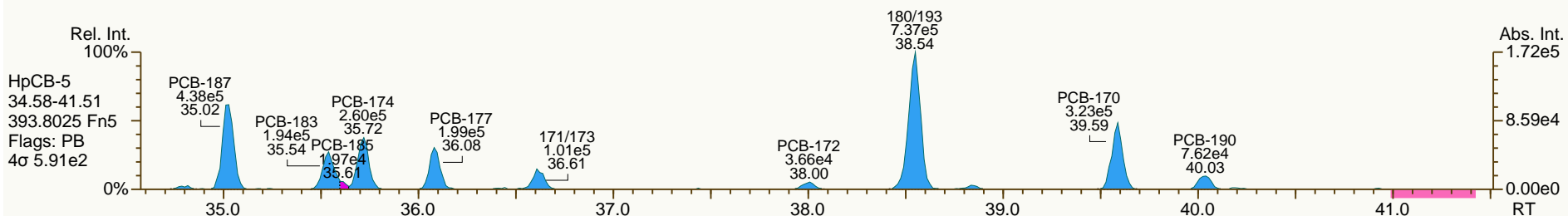
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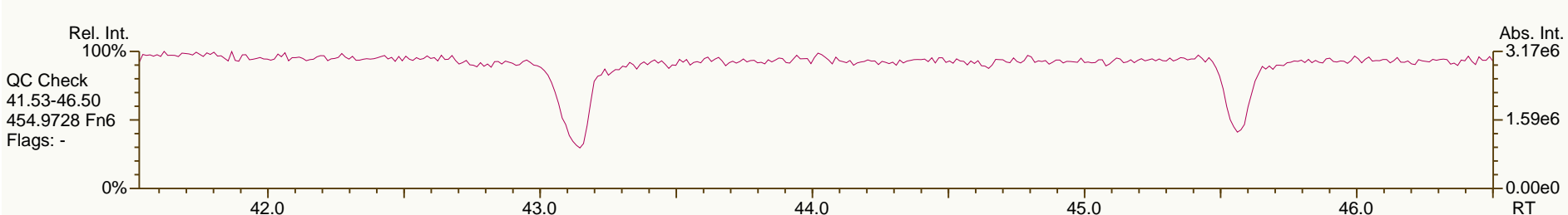
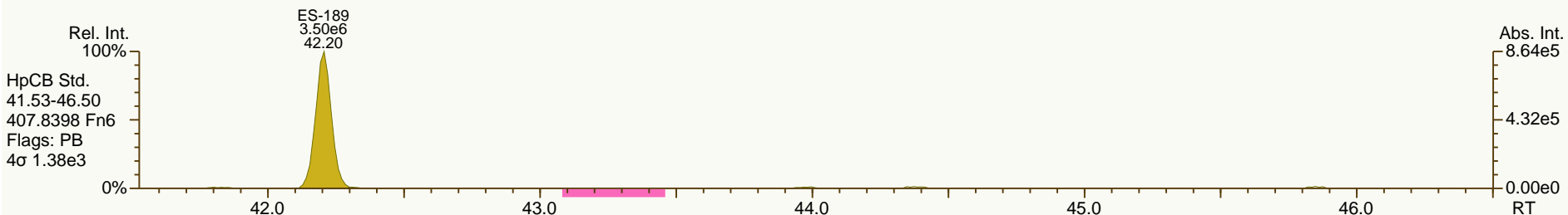
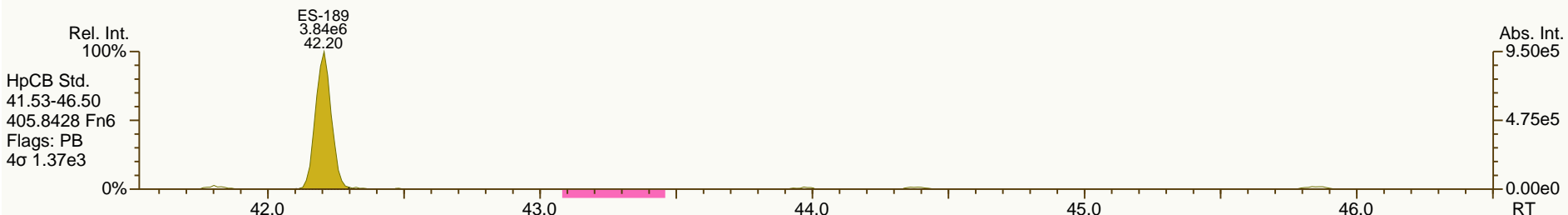
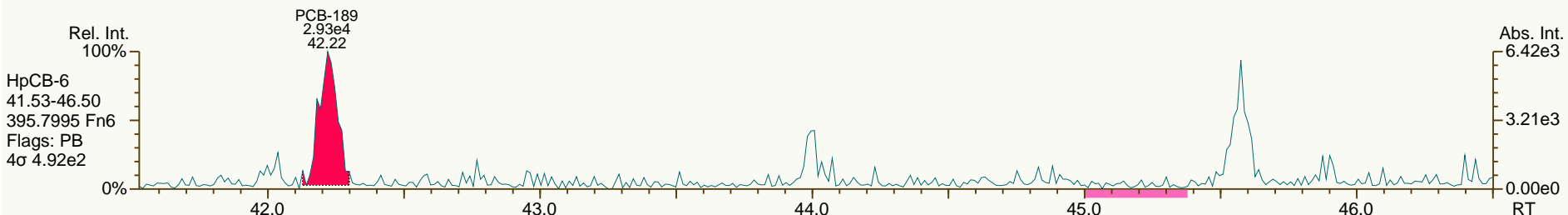
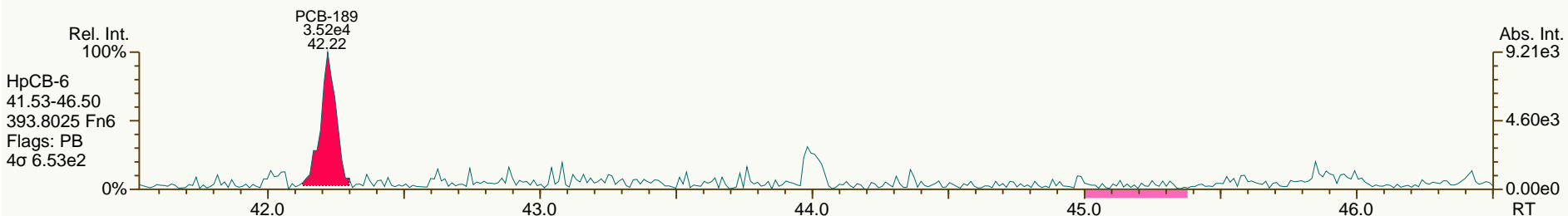
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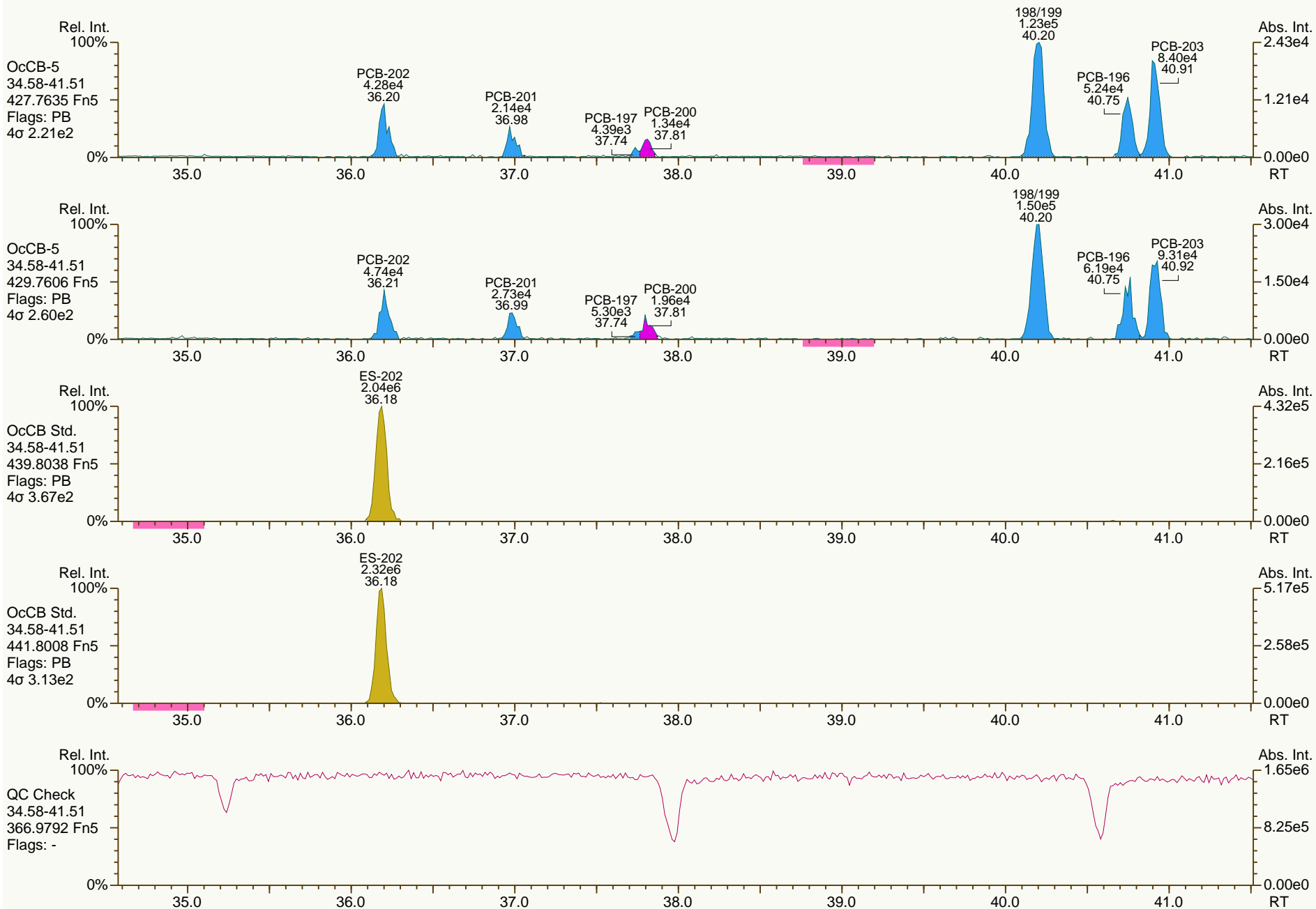
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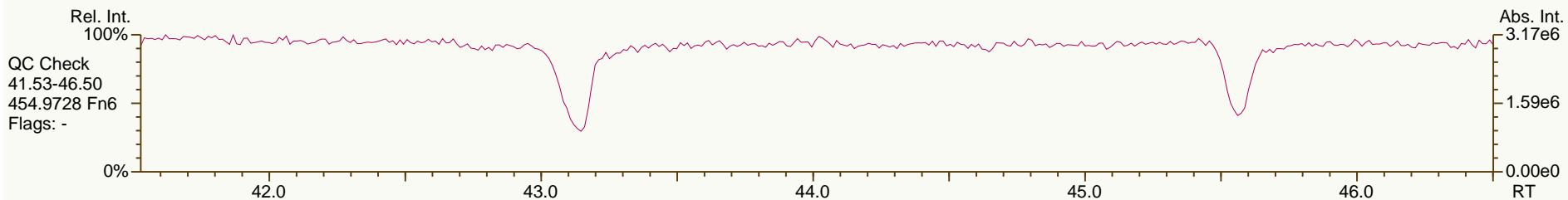
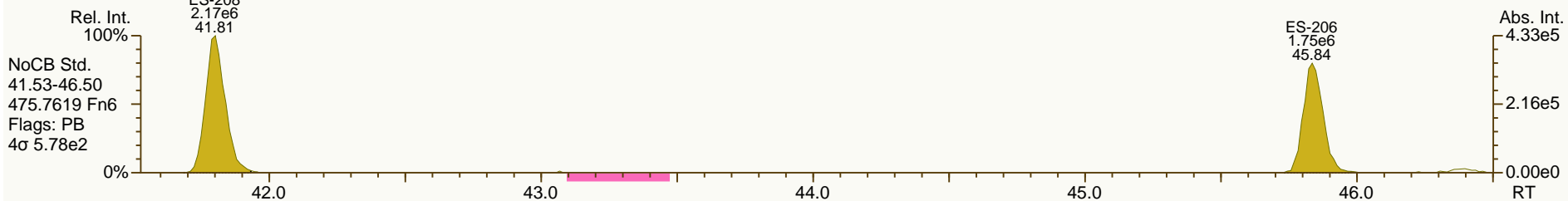
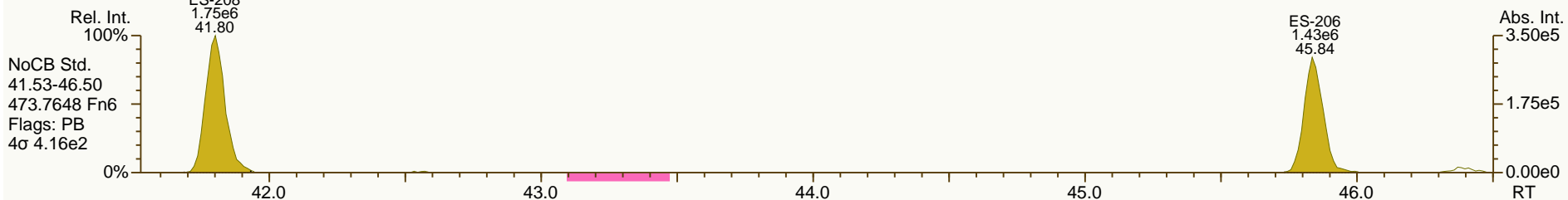
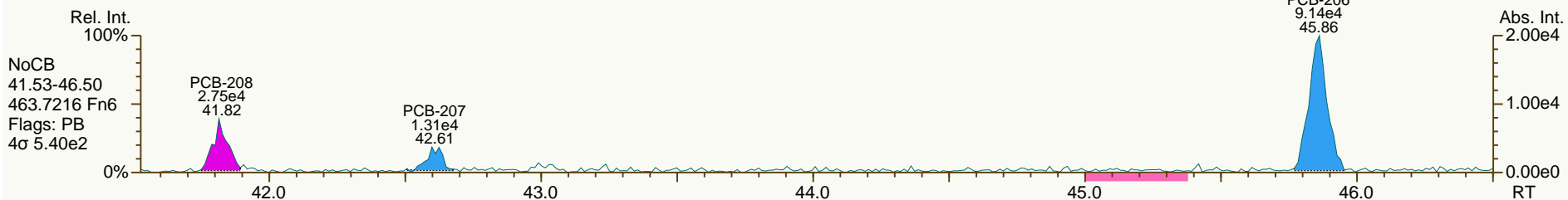
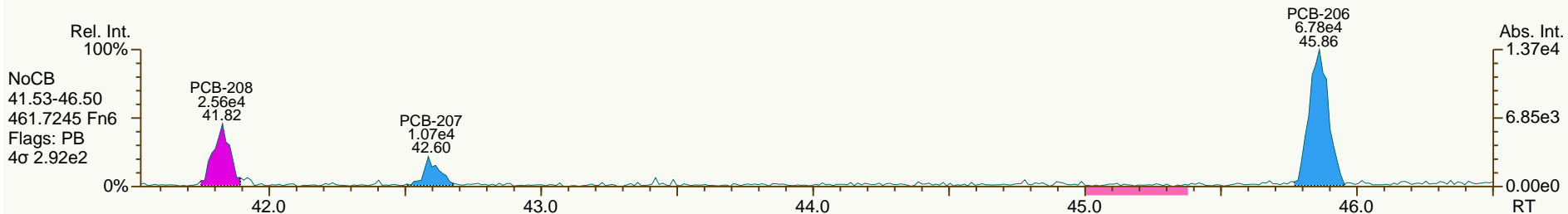
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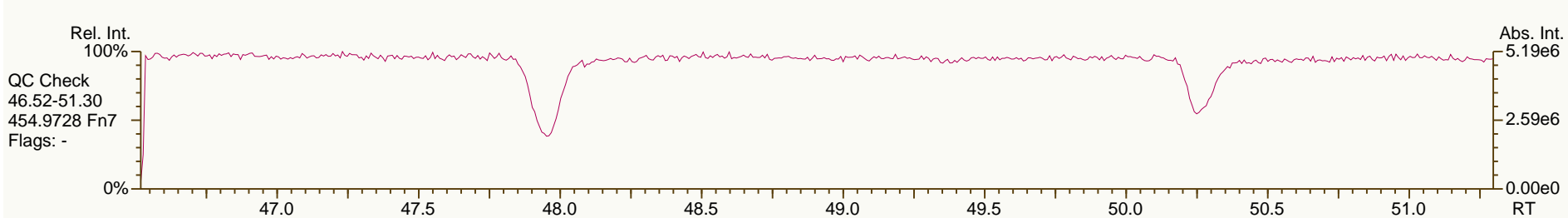
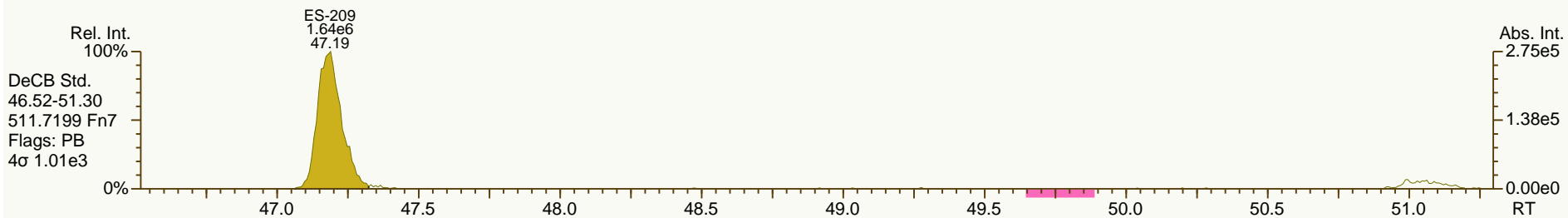
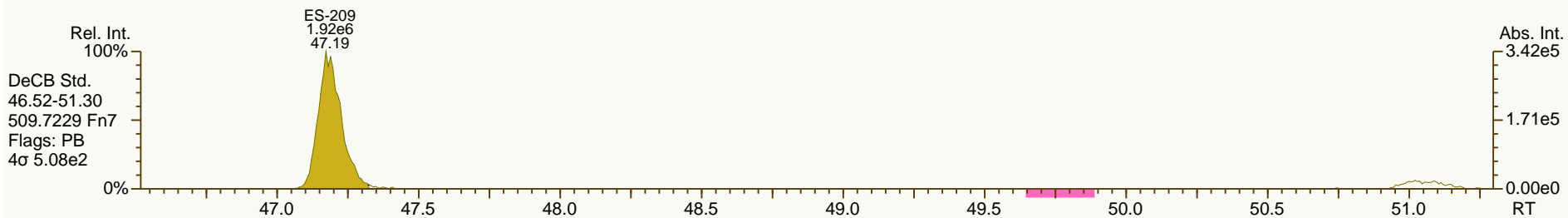
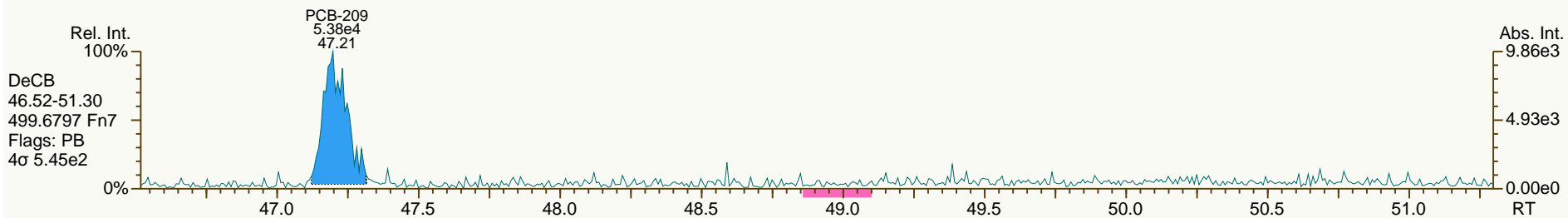
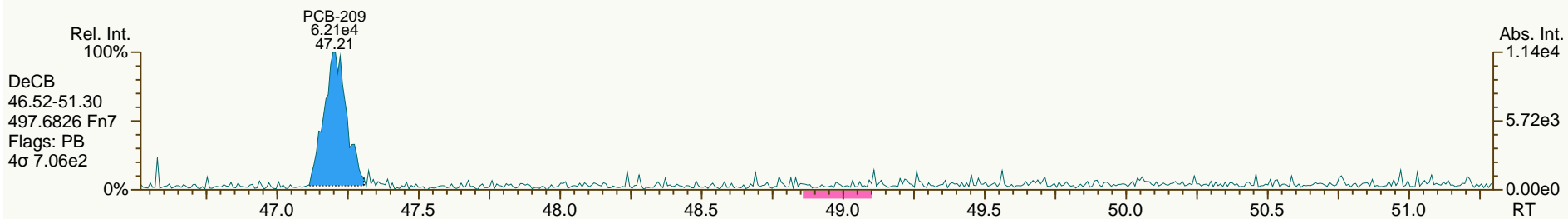
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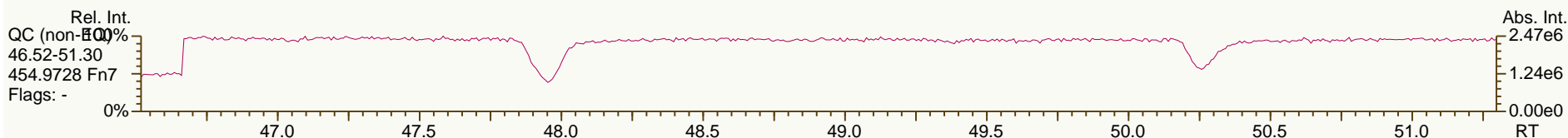
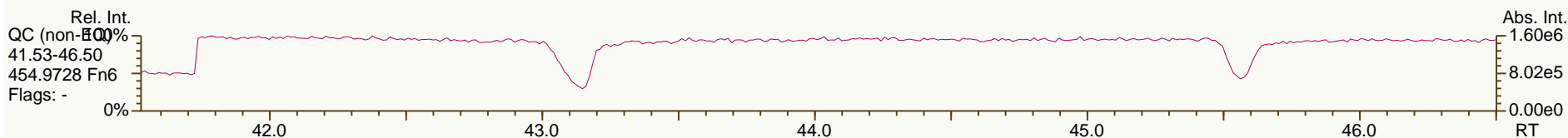
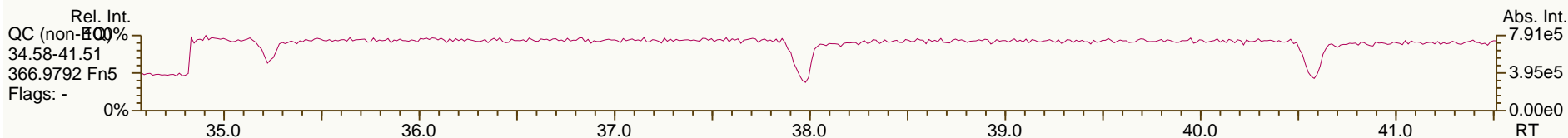
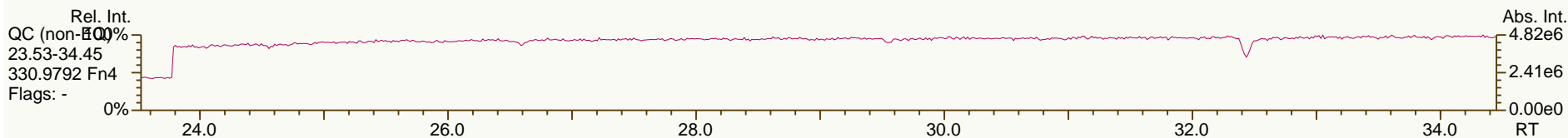
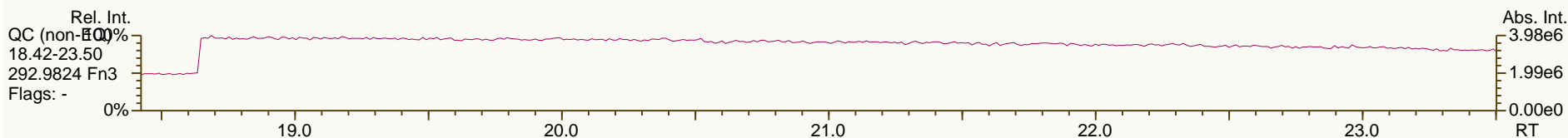
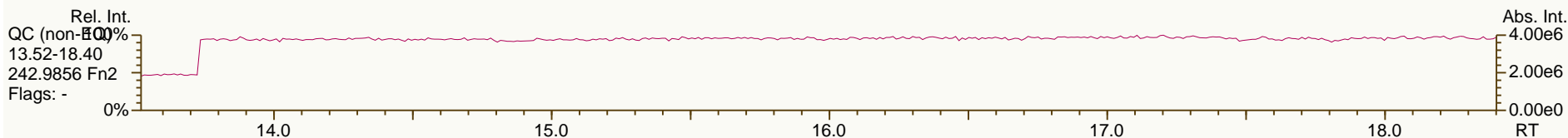
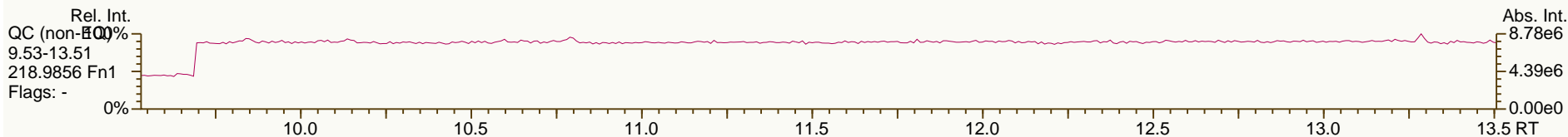
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 User: LKB Datafile: 120705S11



AP Lab ID: A4371_9893_PCB_005-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA02-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 35

Acq: 05-Jul-2012 21:14:20
 User: LKB Datafile: 120705S11



Lab ID: A4371_9893_PCB_006-RJ

ACQ: 05-Jul-2012 22:07:24 LKB

Wt/Vol: 9.53 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-EA04-COMP-120507

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.05 pg/g Split: 1

Checkcode: 290-077-ZSC

Datafile: 120705S12

RPT: 09-Jul-2012 15:37 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	4.49E+05	0.76	1.22	8.36	1.82E+03	0.375
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.82E+03	0.335
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	1.69E+06	0.61	1.03	59.8	7.08E+02	0.262
PCB-114 2344'5'-PeCB	31.69		1.0007	1.0008	+0.2	9.33E+04	0.59	1.10	3.12	7.08E+02	0.232
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	4.43E+06	0.62	1.03	151	7.08E+02	0.229
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0006	-0.2	7.46E+04	0.61	0.93	2.81	7.08E+02	0.271
PCB-126 33'44'5'-PeCB	34.83	J EMPC	1.0005	1.0005	0	2.48E+04	0.98	1.11	0.583	1.65E+03	0.39
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0002	-0.7	5.45E+05	1.34	1.05	21.6	1.19E+03	0.628
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	2.09E+05	1.28	1.08	7.28	1.19E+03	0.41
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.19E+03	0.729
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	6.59E+04	1.13	1.11	1.59	1.23E+03	0.321
PCB-209 DeCB	47.21		1.0004	1.0004	0	1.47E+05	1.19	1.05	8.01	9.02E+02	0.748
ES PCB-1	9.84		0.7181	0.7174	-0.4	6.03E+06	3.38	1.01	46.8 %	4%	100%
ES PCB-3	11.77		0.8583	0.8582	-0.1	6.66E+06	3.32	1.05	49.7 %	11%	106%
ES PCB-4	11.97		0.8732	0.8729	-0.2	3.46E+06	1.62	0.70	39 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.11E+07	1.68	1.17	74.8 %	19%	107%
ES PCB-19	14.67		1.0698	1.0698	0	3.71E+06	1.10	0.57	51.5 %	1%	108%
ES PCB-37	23.08		1.0865	1.0872	+1.0	8.72E+06	1.14	1.41	119 %	25%	123%
ES PCB-54	17.31		0.8157	0.8154	-0.3	4.92E+06	0.76	1.32	71.9 %	13%	105%
ES PCB-77	29.25	V	1.3777	1.3780	+0.5	9.21E+06	0.81	1.22	146 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3559	+0.3	9.60E+06	0.83	1.15	161 %	14%	127%
ES PCB-104	22.03		0.8147	0.8147	0	4.73E+06	1.63	1.69	59.5 %	36%	115%
ES PCB-105	32.19		1.1906	1.1904	-0.4	5.77E+06	1.65	1.21	102 %	50%	111%
ES PCB-114	31.66		1.1709	1.1708	-0.2	5.73E+06	1.67	1.23	98.6 %	41%	121%
ES PCB-118	31.22		1.1547	1.1545	-0.4	5.96E+06	1.59	1.25	102 %	49%	111%
ES PCB-123	30.94		1.1444	1.1443	-0.2	6.03E+06	1.65	1.33	96.5 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2871	0	8.03E+06	1.57	1.36	126 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	5.29E+06	1.29	1.40	90 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1036	+0.2	1.01E+07	1.28	1.13	107 %	40%	120%
ES PCB-167	36.39		1.0753	1.0754	+0.2	5.57E+06	1.25	1.13	118 %	45%	118%
ES PCB-169	40.08		1.1842	1.1845	+0.7	3.49E+06	1.29	1.14	73 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7201	-0.6	4.26E+06	1.01	1.34	75.9 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9597	-0.3	7.85E+06	1.08	1.77	123 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.47E+06	0.88	1.27	84 %	31%	134%
ES PCB-205	44.37		1.0090	1.0091	+0.3	4.72E+06	0.89	1.25	104 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.85		1.0424	1.0425	+0.3	2.89E+06	0.77	1.07	74.8 %	38%	122%
ES PCB-208	41.81		0.9508	0.9506	-0.5	4.16E+06	0.80	1.34	85.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.68E+06	1.24	1.18	85.7 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	9.33E+06	1.08	0.98	109 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0841	-0.4	6.41E+06	1.63	0.90	118 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0118	0	3.27E+06	1.13	0.65	119 %	57%	125%
CS PCB-28	19.68		0.9269	0.9268	-0.1	9.33E+06	1.08	1.39	130 %	14%	131%
CS PCB-111	29.32	V	1.0843	1.0841	-0.4	6.41E+06	1.63	1.19	114 %	57%	112%
CS PCB-178	34.23		1.0118	1.0118	0	3.27E+06	1.13	0.87	90.1 %	57%	125%
JS PCB-9	13.71					1.27E+07	1.64				
JS PCB-52	21.23					5.17E+06	0.79				
JS PCB-101	27.04					4.71E+06	1.61				
JS PCB-138	33.84					4.19E+06	1.35				
JS PCB-194	43.98					3.62E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	15.7	15.7	0.331		
						Di-CBs	127	135	2.9		
						Tri-CBs	755	755	1.34		
						Tetra-CBs	1,000	1,010	0.32		
						Penta-CBs	1,100	1,100	0.273		
						Hexa-CBs	943	951	0.487		
						Hepta-CBs	303	305	0.478		
						Octa-CBs	89.2	91.8	0.41		
						Nona-CBs	19.1	19.1	0.701		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	2.11E+05	3.32	1.20	6.12	2.13E+03	0.296
PCB-2 3-MoCB	11.62		0.9878	0.9877	-0.1	1.48E+05	3.36	1.39	3.36	2.13E+03	0.297
PCB-3 4-MoCB	11.78		1.0010	1.0011	+0.1	2.22E+05	3.59	1.13	6.19	2.13E+03	0.366
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	2.14E+05	1.52	0.94	13.7	1.03E+04	3.95
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	1.03E+04	2.39
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	1.08E+05	SI	0.93	2.17	4.17E+03	0.692
PCB-7 24-DiCB	13.87		1.0116	1.0116	0	6.92E+04	SI	1.10	1.19	4.17E+03	0.587
PCB-6 23'-DiCB	14.07	EMPC	1.0261	1.0262	+0.1	4.29E+05	1.23	1.01	8.01	1.20E+04	1.84
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		1.02	ND	1.20E+04	1.83
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	2.10E+06	1.49	1.05	37.8	1.20E+04	1.78
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.20E+04	1.55
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	1.30E+06	1.46	1.04	23.7	1.20E+04	1.8
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9847	-0.8	2.47E+05	SI	1.03	4.49	4.17E+03	0.624
PCB-15 44'-DiCB	17.10		1.0008	1.0008	0	2.33E+06	1.54	1.01	43.7	1.20E+04	1.85

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	1.39E+05	1.05	1.01	7.77	3.12E+03	1.23
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1115	+0.5	1.82E+06	1.01	1.32	78.1	3.12E+03	0.943
PCB-17 22'4-TrCB	16.66		1.1357	1.1359	+0.2	8.67E+05	1.08	1.12	43.6	3.12E+03	1.11
PCB-27 23'6-TrCB	16.84		1.1479	1.1480	+0.1	2.03E+05	0.92	1.46	7.87	3.12E+03	0.853
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	3.12E+03	0.839
PCB-16 22'3-TrCB	17.04		1.1612	1.1615	+0.3	7.12E+05	0.99	0.87	46.1	3.12E+03	1.43
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	8.88E+05	1.03	1.56	32.2	3.12E+03	0.799
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	7.33E+03	1.26
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.33E+03	1.2
PCB-26/29 23'5/245-TrCB	18.97	C	0.8236	0.8221	-1.7	1.37E+06	1.07	1.43	23.1	7.33E+03	1.21
PCB-25 23'4-TrCB	19.18		0.8315	0.8309	-0.7	6.96E+05	1.07	1.43	11.7	7.33E+03	1.21
PCB-31 24'5-TrCB	19.44		0.8430	0.8424	-0.7	8.31E+06	1.08	1.49	134	7.33E+03	1.16
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8533	-1.1	1.05E+07	1.05	1.37	185	7.33E+03	1.26
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8617	+0.6	3.85E+06	1.07	1.45	64.1	7.33E+03	1.19
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	3.36E+06	1.07	1.29	62.6	7.33E+03	1.34
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	7.33E+03	1.25
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	7.33E+03	1.21
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.33E+03	1.34
PCB-35 33'4-TrCB	22.75		0.9860	0.9859	-0.1	1.73E+05	1.14	1.26	3.3	7.33E+03	1.37
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	2.71E+06	1.12	1.20	54.4	7.33E+03	1.44
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.33E+02	0.276
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9038	-1.5	5.02E+05	0.78	0.64	17	8.43E+02	0.3
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	5.04E+05	0.76	0.57	19.4	8.43E+02	0.339
PCB-51 22'46'-TeCB	19.83		0.9340	0.9342	+0.2	1.30E+05	0.81	0.64	4.47	8.43E+02	0.302
PCB-46 22'36'-TeCB	20.01		0.9429	0.9426	-0.4	1.85E+05	0.80	0.53	7.64	8.43E+02	0.365
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	4.28E+06	0.74	0.62	152	8.43E+02	0.314
PCB-73 23'5'6-TeCB	21.36	J	1.0069	1.0063	-0.8	1.58E+04	0.72	0.82	0.422	8.43E+02	0.236
PCB-43 22'35-TeCB	21.45		1.0106	1.0103	-0.4	1.35E+05	0.80	0.56	5.24	8.43E+02	0.342
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0206	+1.0	2.89E+06	0.78	0.77	81.9	8.43E+02	0.25
PCB-48 22'45-TeCB	21.91		1.0319	1.0319	0	8.99E+05	0.76	0.65	30	8.43E+02	0.295
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0407	-1.2	4.29E+06	0.78	0.69	136	8.43E+02	0.279
PCB-59/62/75 ...-TeCB	22.37	C	1.0541	1.0539	-0.3	5.12E+05	0.77	0.87	12.9	8.43E+02	0.222
PCB-42 22'34'-TeCB	22.53		1.0612	1.0614	+0.3	1.10E+06	0.76	0.63	38.4	8.43E+02	0.308
PCB-41 22'34-TeCB	22.85		1.0759	1.0761	+0.3	3.89E+05	0.76	0.55	15.4	8.43E+02	0.348
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0811	+0.7	1.86E+06	0.78	0.67	60.4	8.43E+02	0.287
PCB-64 234'6-TeCB	23.15		1.0899	1.0904	+0.7	2.36E+06	0.78	0.94	54.9	8.43E+02	0.205
PCB-72 23'55'-TeCB	23.91	EMPC	0.8295	0.8305	+1.4	8.83E+04	0.92	1.11	1.74	1.82E+03	0.375
PCB-68 23'45'-TeCB	24.15	J	0.8379	0.8388	+1.3	5.59E+04	0.73	1.21	1.01	1.82E+03	0.345
PCB-57 233'5-TeCB	24.51	J	0.8501	0.8515	+2.1	4.25E+04	0.78	1.09	0.854	1.82E+03	0.383
PCB-58 233'5'-TeCB	24.69	J EMPC	0.8568	0.8578	+1.5	2.60E+04	0.96	1.10	0.518	1.82E+03	0.38
PCB-67 23'45-TeCB	24.84		0.8620	0.8630	+1.5	2.93E+05	0.85	1.14	5.64	1.82E+03	0.367
PCB-63 234'5-TeCB	25.06		0.8697	0.8706	+1.4	2.62E+05	0.75	1.20	4.77	1.82E+03	0.348
PCB-61/70/74/76 ...-TeCB	25.34	C	0.8792	0.8804	+1.8	9.90E+06	0.78	1.14	190	1.82E+03	0.366
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	5.00E+06	0.78	1.06	103	1.82E+03	0.392
PCB-55 233'4-TeCB	25.72		0.8932	0.8933	+0.2	8.76E+04	0.78	1.14	1.68	1.82E+03	0.366

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.14		0.9080	0.9083	+0.5	1.75E+06	0.82	1.06	36.1	1.82E+03	0.392
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	7.51E+05	0.77	1.14	14.4	1.82E+03	0.365
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.82E+03	0.339
PCB-79 33'45'-TeCB	27.97		0.9718	0.9716	-0.3	9.08E+04	0.77	1.22	1.63	1.82E+03	0.342
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.82E+03	0.398
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.25E+02	0.256
PCB-96 22'366'-PeCB	22.34		1.0141	1.0140	-0.1	4.14E+04	0.61	0.92	1.99	6.25E+02	0.255
PCB-103 22'45'6'-PeCB	24.05	EMPC	0.8883	0.8894	+1.6	3.79E+04	0.51	0.78	1.69	7.08E+02	0.321
PCB-94 22'356'-PeCB	24.22		0.8946	0.8958	+1.7	2.14E+04	0.55	0.68	1.1	7.08E+02	0.37
PCB-95 22'35'6'-PeCB	24.59		0.9082	0.9093	+1.6	2.62E+06	0.62	0.70	131	7.08E+02	0.36
PCB-100/93 22'44'6'/22'356'-PeCB	24.80	J C	0.9158	0.9169	+1.6	4.03E+04	0.65	0.73	1.92	7.08E+02	0.344
PCB-102 22'456'-PeCB	24.90		0.9198	0.9209	+1.6	1.25E+05	0.58	0.86	5.06	7.08E+02	0.292
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	7.08E+02	0.377
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	7.08E+02	0.378
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	4.94E+05	0.61	0.82	20.9	7.08E+02	0.306
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9422	+0.9	7.04E+05	0.63	0.63	38.7	7.08E+02	0.396
PCB-89 22'346'-PeCB	25.88	EMPC	0.9567	0.9571	+0.6	3.12E+04	0.76	0.66	1.65	7.08E+02	0.381
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	7.08E+02	0.253
PCB-92 22'355'-PeCB	26.57		0.9825	0.9826	+0.2	6.49E+05	0.63	0.70	32.4	7.08E+02	0.36
PCB-113/90/101 ...-PeCB	27.06	C	0.9999	1.0008	+1.5	3.77E+06	0.61	0.82	160	7.08E+02	0.306
PCB-83 22'33'5'-PeCB	27.44		1.0150	1.0149	-0.2	1.59E+05	0.64	0.60	9.32	7.08E+02	0.422
PCB-99 22'44'5'-PeCB	27.55		1.0190	1.0189	-0.2	1.97E+06	0.62	0.72	95.4	7.08E+02	0.348
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	7.08E+02	0.266
PCB-108/119/86/97/125...-PeCB	28.00	C	1.0347	1.0354	+1.2	2.46E+06	0.62	0.84	102	7.08E+02	0.297
PCB-117 234'56'-PeCB	28.49		1.0539	1.0536	-0.5	8.90E+04	0.64	0.86	3.6	7.08E+02	0.291
PCB-116/85 23456/22'344'-PeCB	28.56	C	1.0566	1.0563	-0.5	6.14E+05	0.63	0.88	24.3	7.08E+02	0.285
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	5.23E+06	0.61	0.87	209	7.08E+02	0.288
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0653	+1.6	5.84E+04	0.70	1.00	2.03	7.08E+02	0.251
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0708	-0.5	3.32E+05	0.65	0.62	18.6	7.08E+02	0.403
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	7.08E+02	0.252
PCB-120 23'455'-PeCB	29.73		1.0994	1.0993	-0.2	3.68E+04	0.62	0.98	1.31	7.08E+02	0.256
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9911	+0.4	1.55E+05	0.59	0.92	5.82	7.08E+02	0.272
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	3.70E+05	0.57	0.90	14.2	7.08E+02	0.277
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	7.08E+02	0.272
PCB-122 233'4'5'-PeCB	31.51		1.0095	1.0092	-0.6	5.25E+04	0.59	0.94	2.04	7.08E+02	0.27
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	7.08E+02	0.272
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.38E+02	0.182
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.38E+02	0.194
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.38E+02	0.191
PCB-136 22'33'66'-HxCB	27.44		1.0216	1.0216	0	4.89E+05	1.35	0.92	21.2	5.38E+02	0.21
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.38E+02	0.202
PCB-148 22'34'56'-HxCB	29.01	J EMPC	1.0801	1.0799	-0.3	1.76E+04	1.52	0.73	0.955	5.38E+02	0.262
PCB-151/135 ...-HxCB	29.50	C	1.0986	1.0983	-0.5	1.17E+06	1.29	0.72	64.8	5.38E+02	0.269
PCB-154 22'44'56'-HxCB	29.73	EMPC	1.1067	1.1066	-0.2	8.51E+04	0.95	0.81	4.19	5.38E+02	0.239
PCB-144 22'345'6'-HxCB	29.97		1.1158	1.1158	0	1.52E+05	1.26	0.74	8.17	5.38E+02	0.262

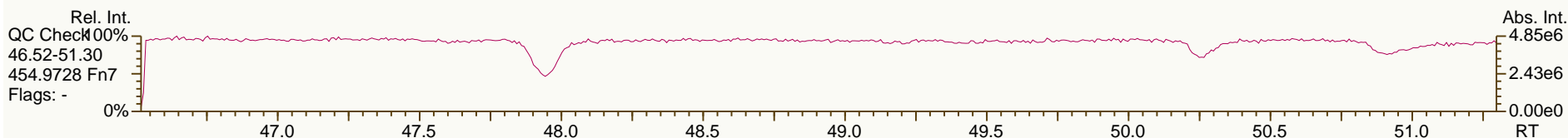
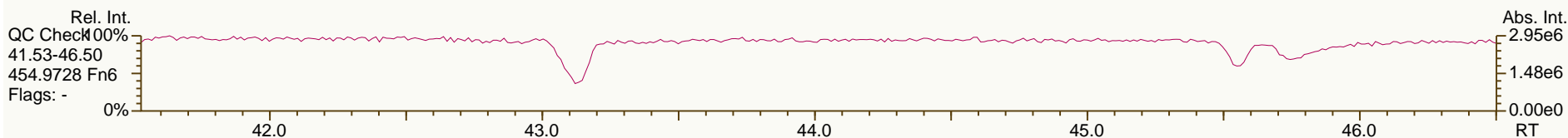
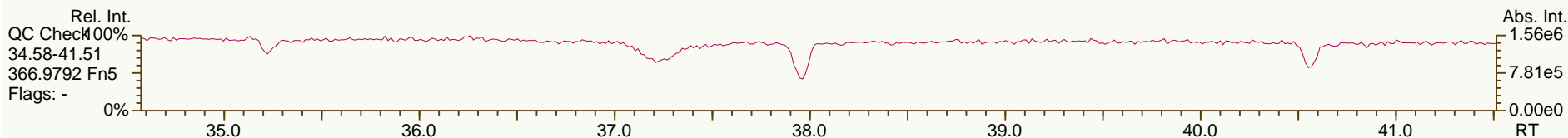
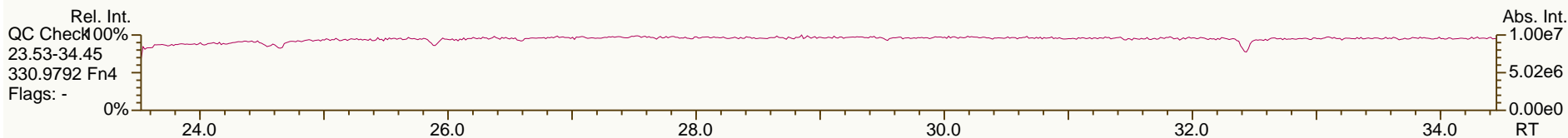
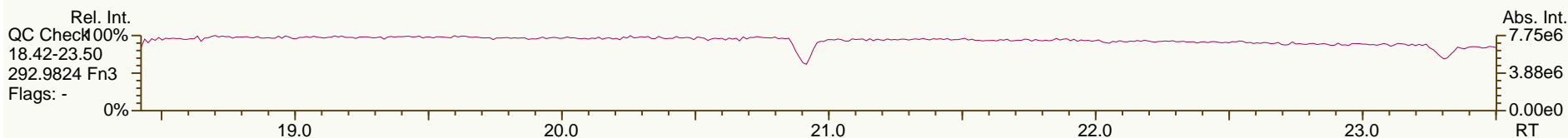
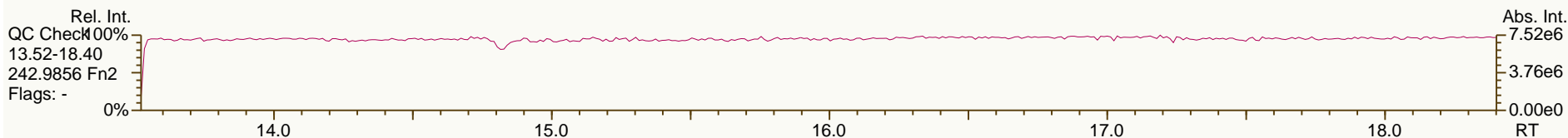
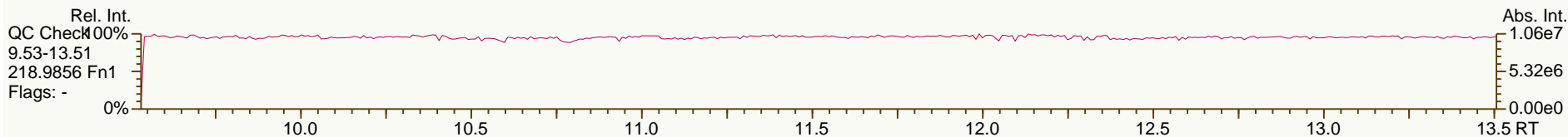
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1266	-0.5	2.96E+06	1.32	0.75	157	5.38E+02	0.257
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1326	0	1.86E+05	1.34	0.59	12.4	5.38E+02	0.324
PCB-143 22'34'56"-HxCB	30.53	J EMPC	1.1356	1.1366	+1.8	7.06E+03	1.44	0.72	0.391	5.38E+02	0.269
PCB-139/140 ...-HxCB	30.77	C	1.1458	1.1456	-0.4	8.70E+04	1.27	0.77	4.48	5.38E+02	0.25
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1514	-0.4	4.47E+04	1.00	0.65	2.72	5.38E+02	0.295
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.38E+02	0.282
PCB-132 22'33'46"-HxCB	31.30		1.1655	1.1653	-0.4	1.11E+06	1.23	0.67	66.3	5.38E+02	0.289
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1826	0	8.67E+04	1.30	0.69	5.01	5.38E+02	0.28
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.38E+02	0.227
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9549	-0.2	8.10E+05	1.25	0.76	42.4	5.38E+02	0.254
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.38E+02	0.208
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	4.05E+06	1.25	0.89	181	5.38E+02	0.217
PCB-141 22'34'55"-HxCB	32.98		0.9746	0.9746	0	5.77E+05	1.26	0.73	31.4	5.38E+02	0.264
PCB-130 22'33'45"-HxCB	33.31		0.9847	0.9846	-0.2	2.49E+05	1.35	0.63	15.7	5.38E+02	0.305
PCB-137 22'34'4'5"-HxCB	33.51		0.9904	0.9903	-0.2	1.70E+05	1.26	0.81	8.32	5.38E+02	0.237
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.38E+05	1.18	0.89	15	5.38E+02	0.216
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	4.54E+06	1.25	0.78	230	5.38E+02	0.245
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.38E+02	0.221
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	5.22E+05	1.24	1.00	20.7	5.38E+02	0.192
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	7.66E+05	1.31	0.97	29.8	1.19E+03	0.456
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.19E+03	0.409
PCB-162 233'4'55"-HxCB	36.01	J	0.9896	0.9898	+0.4	2.42E+04	1.30	1.14	0.799	1.19E+03	0.388
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	5.72E+02	0.255
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	3.78E+05	1.08	1.06	17.5	5.72E+02	0.256
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	5.72E+02	0.262
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0324	0	1.16E+05	0.97	1.13	5.03	5.72E+02	0.24
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	5.72E+02	0.247
PCB-178 22'33'55'6"-HpCB	34.26		1.0816	1.0817	+0.2	1.62E+05	1.02	0.78	10.2	5.72E+02	0.348
PCB-175 22'33'45'6"-HpCB	34.79	EMPC	1.0985	1.0987	+0.4	2.83E+04	0.87	0.86	1.61	1.19E+03	0.656
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1059	+0.4	1.13E+06	1.02	0.89	62.6	1.19E+03	0.636
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.19E+03	0.617
PCB-183 22'344'5'6"-HpCB	35.53		1.1219	1.1221	+0.4	4.81E+05	1.04	0.92	25.7	1.19E+03	0.615
PCB-185 22'3455'6"-HpCB	35.61		1.1241	1.1244	+0.6	7.13E+04	1.03	0.88	3.98	1.19E+03	0.643
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1278	+0.4	6.51E+05	1.02	0.78	41.3	1.19E+03	0.73
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1394	+0.2	4.58E+05	1.09	0.74	30.5	1.19E+03	0.766
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.19E+03	0.67
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1561	+1.1	2.02E+05	0.99	0.77	13	1.19E+03	0.741
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9003	0	8.64E+04	1.12	0.51	4.54	1.19E+03	0.68
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.19E+03	0.526
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	1.74E+06	1.07	0.84	55.2	1.19E+03	0.411
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9202	-0.2	3.70E+04	1.09	0.67	1.47	1.19E+03	0.515
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9380	0	6.16E+05	1.09	0.70	23.6	1.19E+03	0.497
PCB-190 233'44'56"-HpCB	40.04		0.9486	0.9487	+0.2	1.70E+05	1.02	0.66	6.87	1.19E+03	0.523
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	1.00E+05	0.80	0.83	5.7	7.45E+02	0.482
PCB-201 22'33'45'66"-OoCB	36.97	EMPC	1.0221	1.0219	-0.4	5.14E+04	1.03	0.94	2.58	7.45E+02	0.426

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.45E+02	0.441
PCB-197 22'33'44'66'-OcCB	37.73	J	1.0431	1.0427	-0.9	9.34E+03	0.77	1.00	0.437	7.45E+02	0.397
PCB-200 22'33'4566'-OcCB	37.81		1.0451	1.0451	0	4.99E+04	0.89	0.88	2.67	7.45E+02	0.455
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1110	+1.9	3.42E+05	0.99	0.58	27.6	7.45E+02	0.684
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	1.38E+05	0.88	0.60	10.8	7.45E+02	0.666
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1307	+0.2	2.23E+05	0.96	0.63	16.6	7.45E+02	0.63
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9467	-0.5	1.15E+05	0.97	0.74	6.95	8.01E+02	0.501
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	3.29E+05	0.92	0.82	17.8	8.01E+02	0.447
PCB-205 233'44'55'6-OcCB	44.40	J	1.0004	1.0006	+0.5	1.85E+04	0.88	1.09	0.755	8.01E+02	0.337
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	8.20E+04	0.86	0.98	4.24	8.75E+02	0.547
PCB-207 22'33'44'566'-NoCB	42.61		1.0192	1.0192	0	3.06E+04	0.73	1.01	1.54	8.75E+02	0.53
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	1.71E+05	0.82	0.93	13.3	8.75E+02	0.856

AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

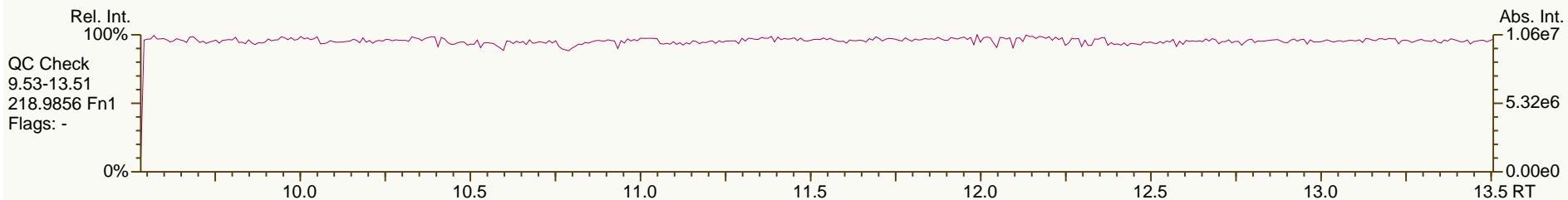
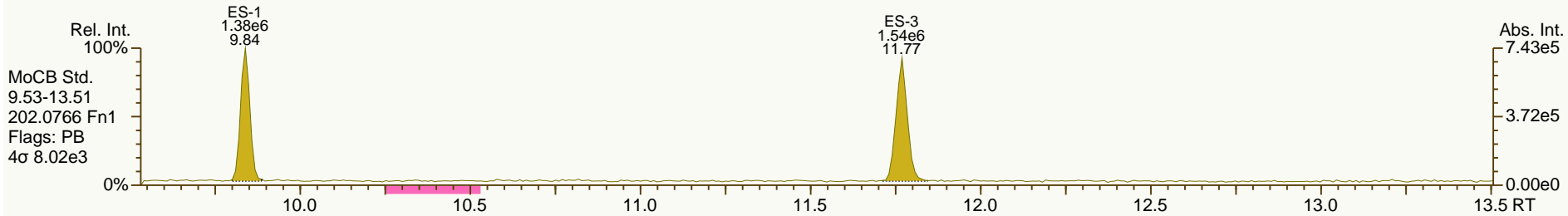
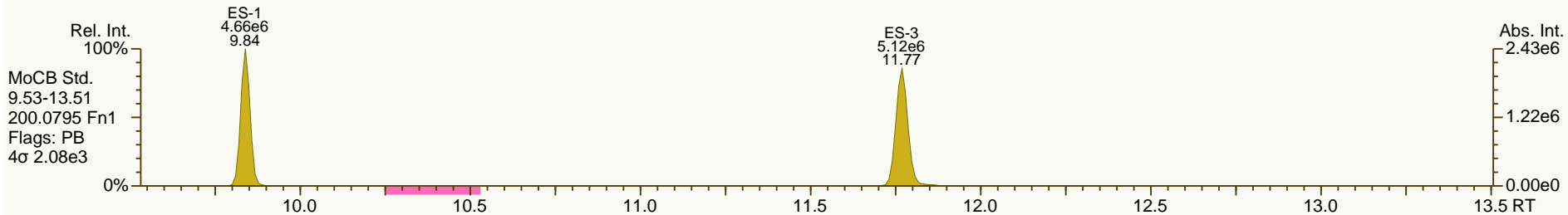
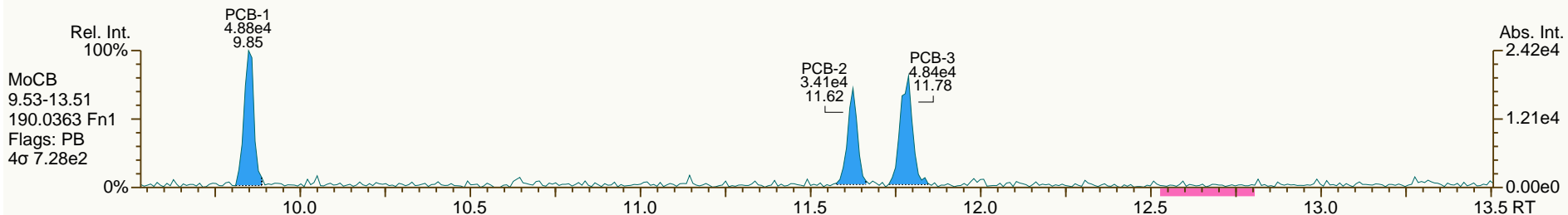
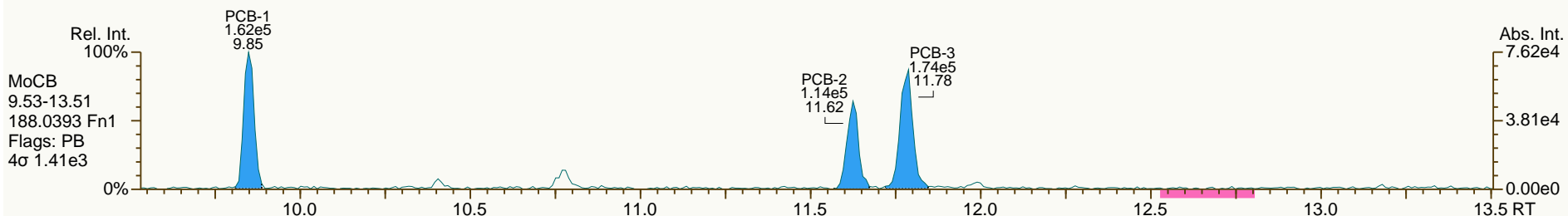
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AP Lab ID: A4371_9893_PCB_006-RJ
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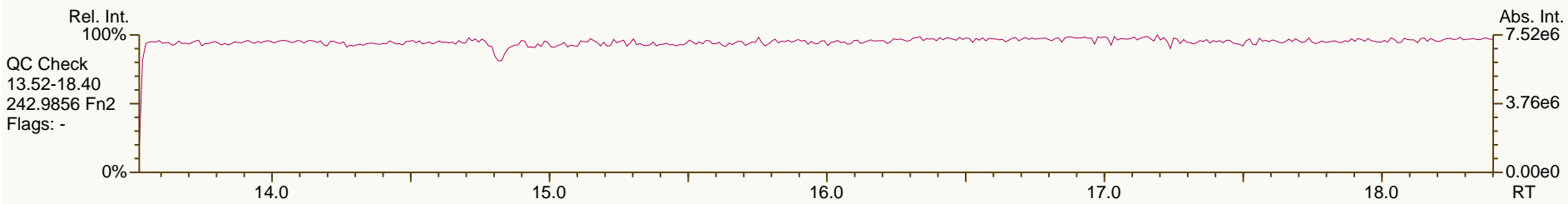
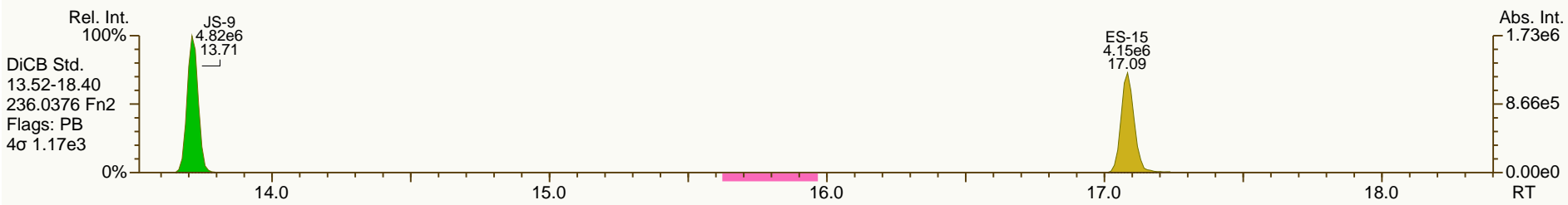
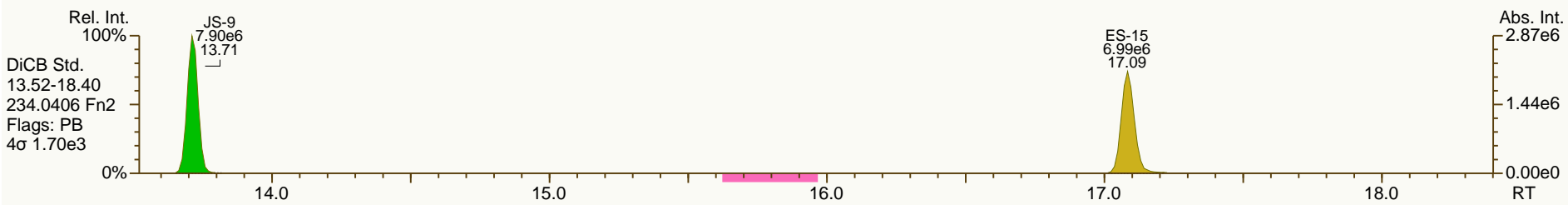
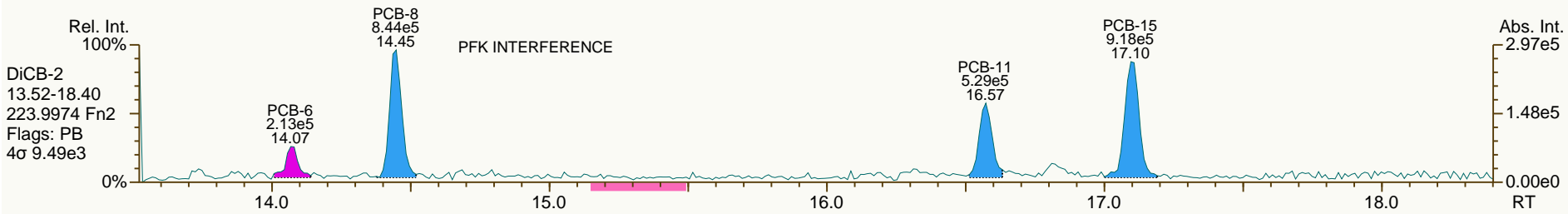
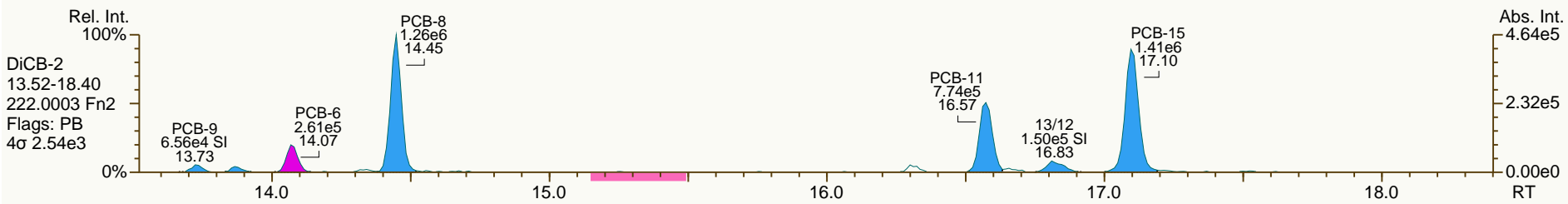
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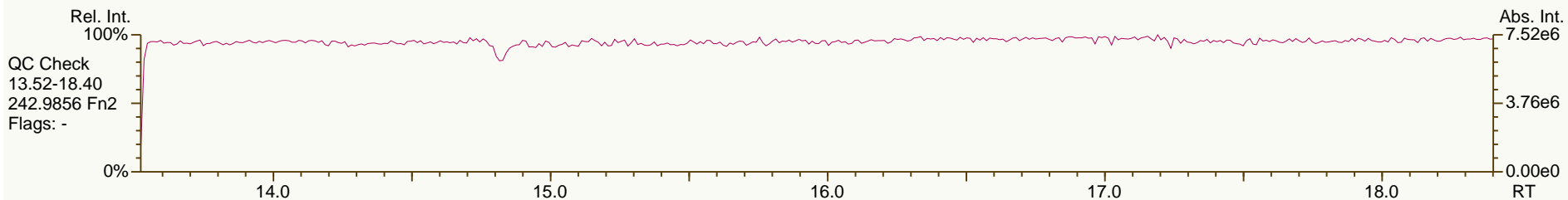
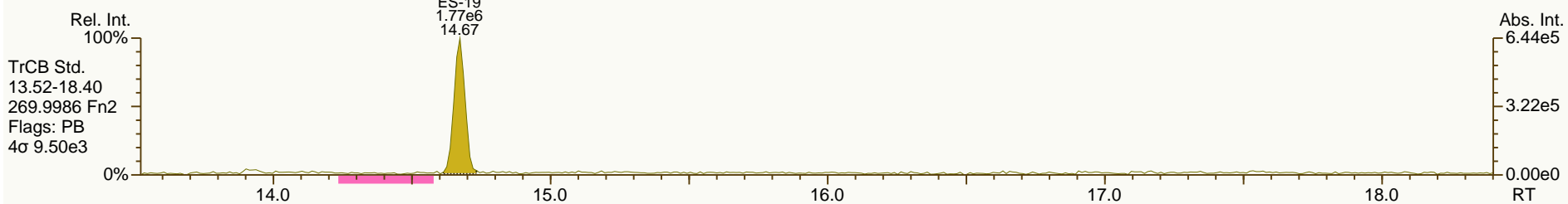
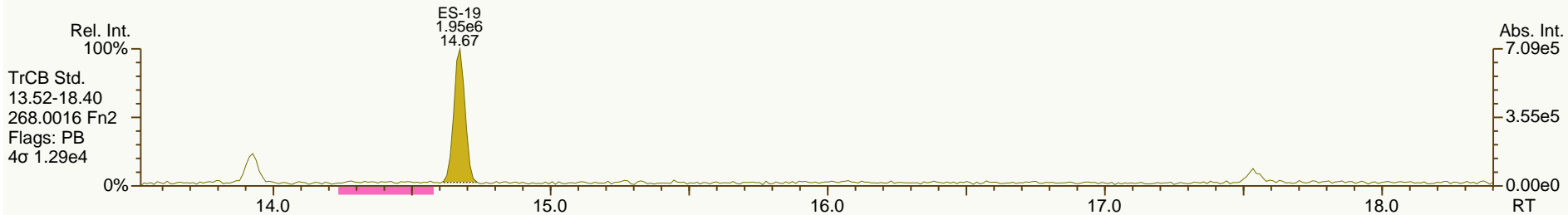
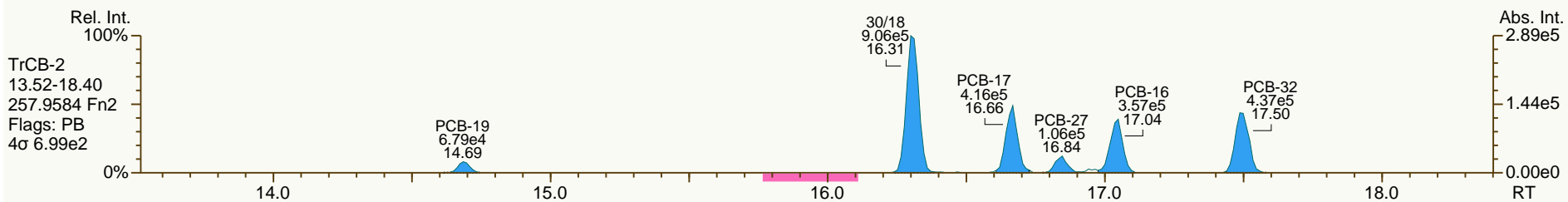
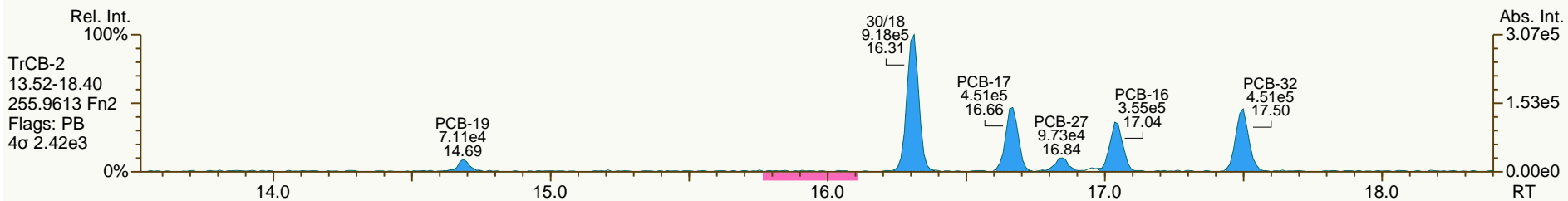
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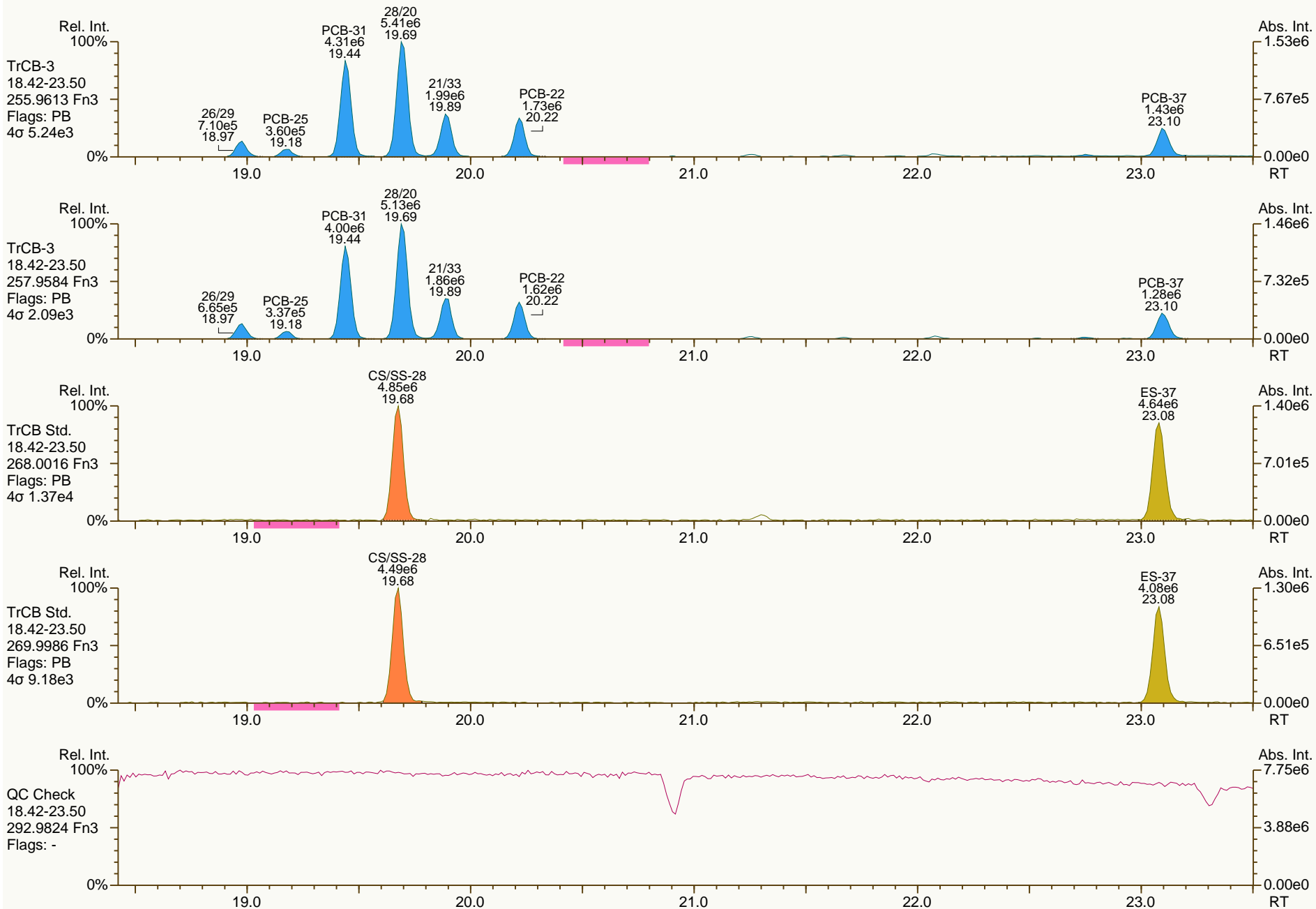
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

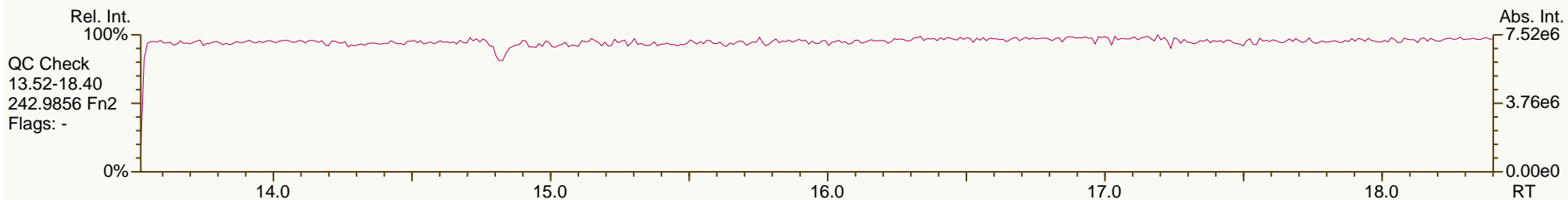
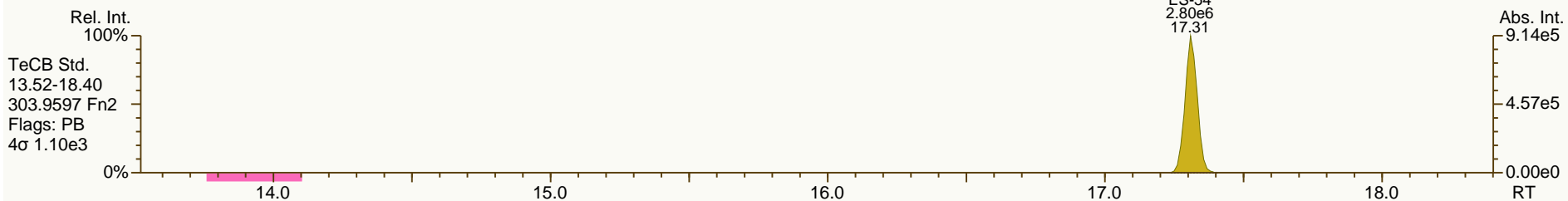
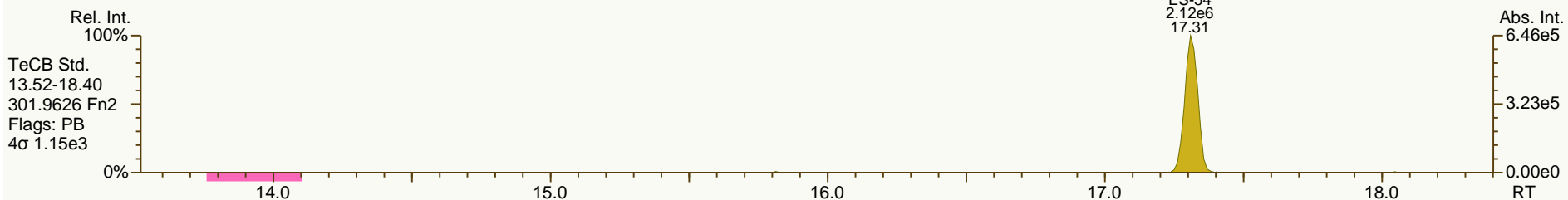
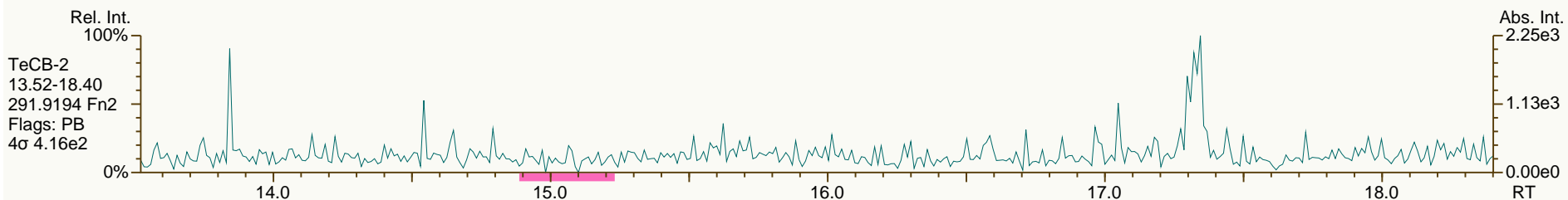
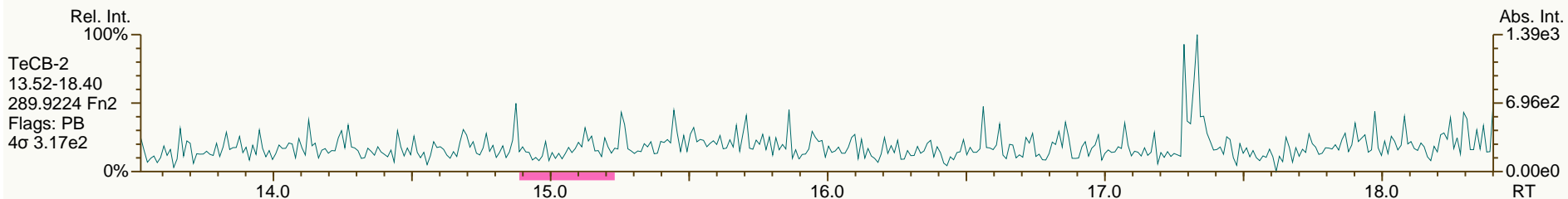
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

Acq: 05-Jul-2012 22:07:24
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
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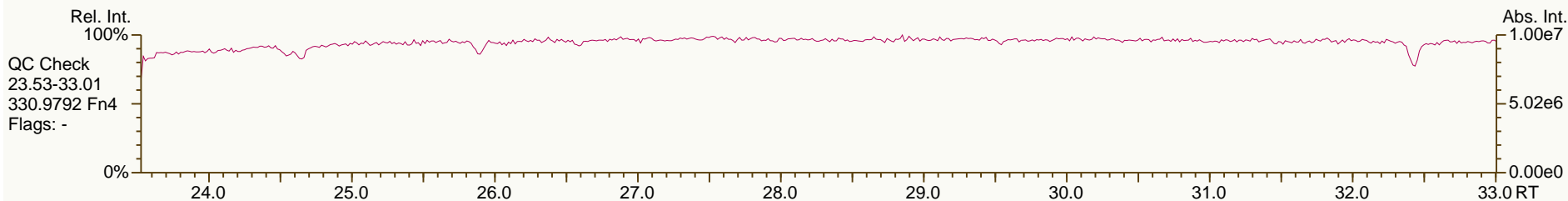
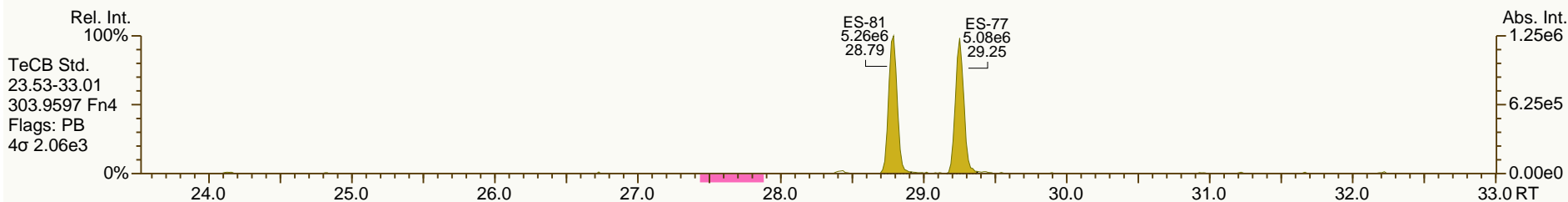
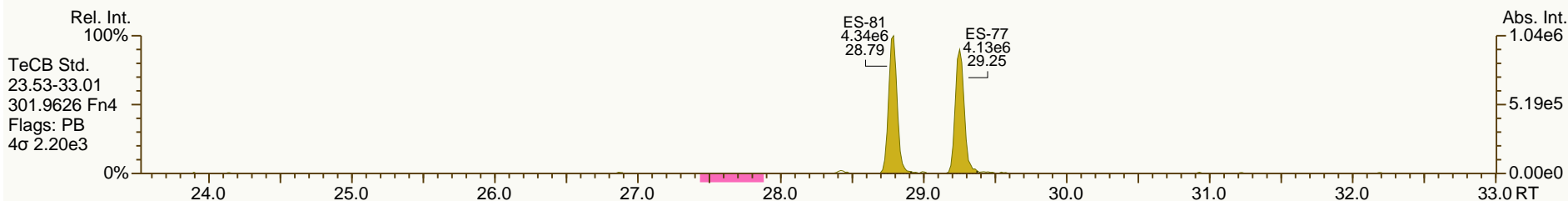
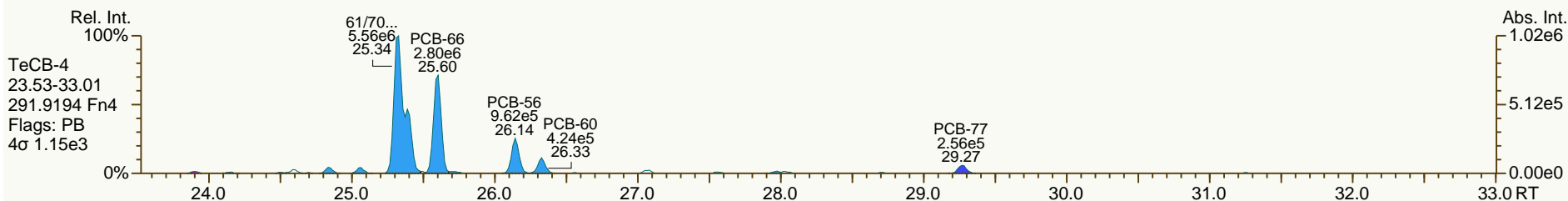
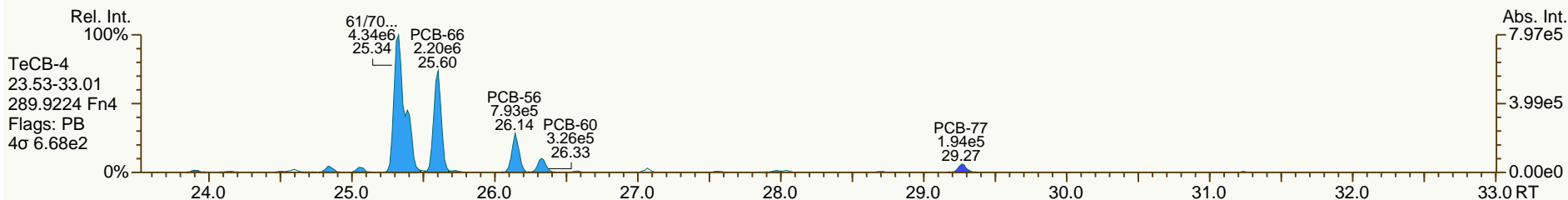
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AP Lab ID: A4371_9893_PCB_006-RJ
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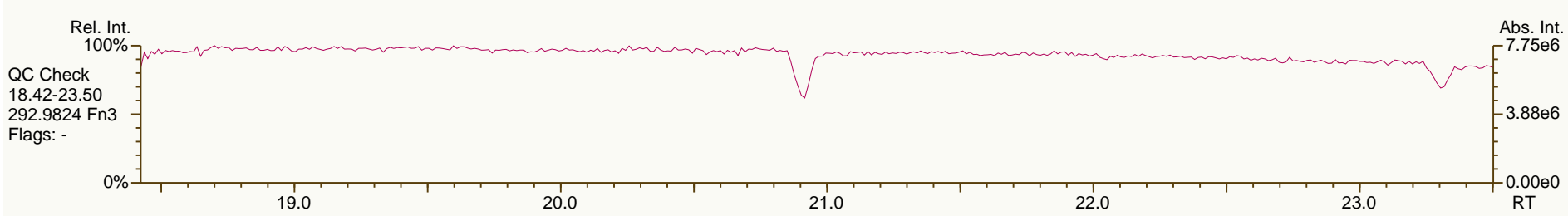
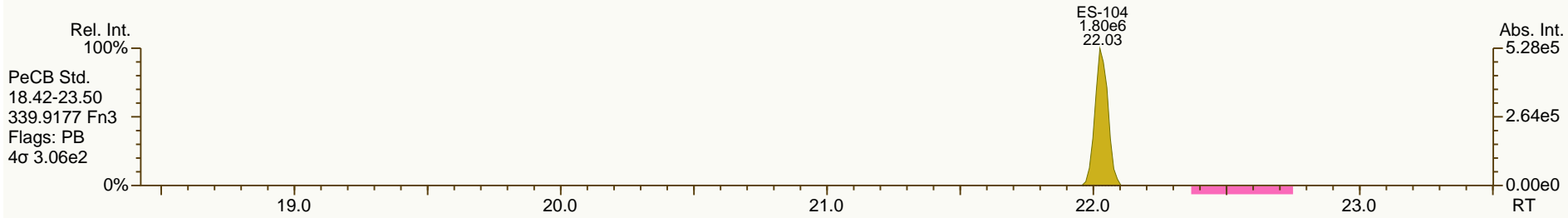
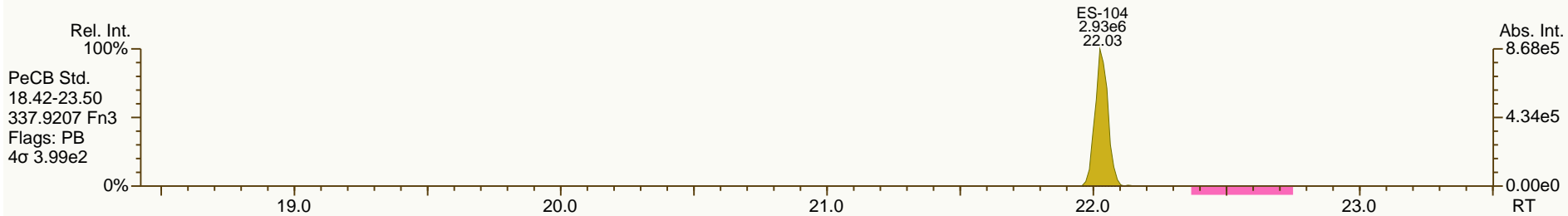
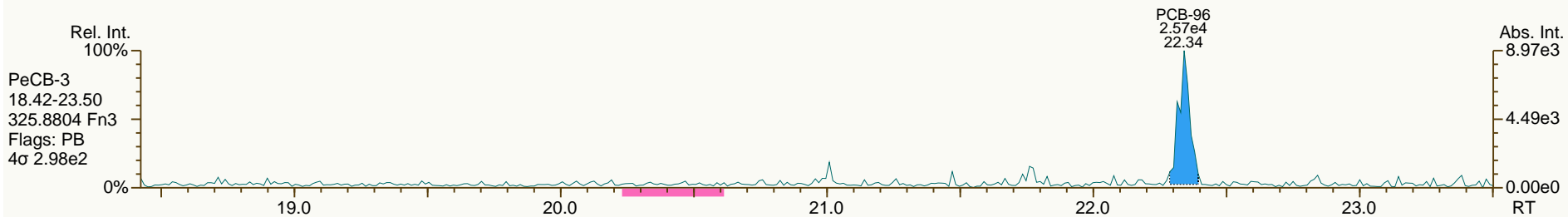
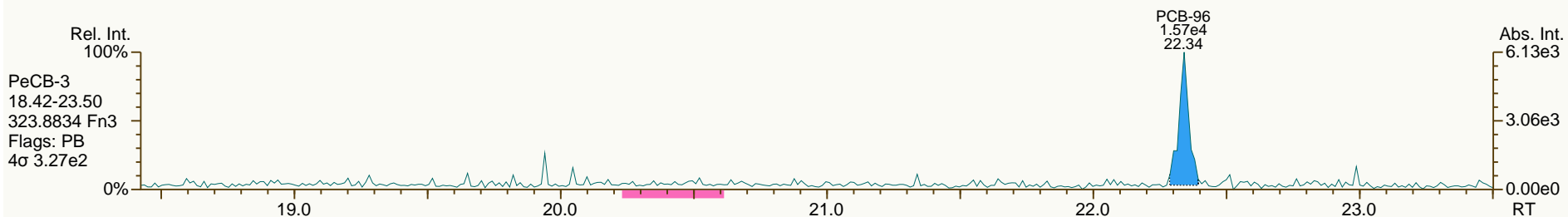
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

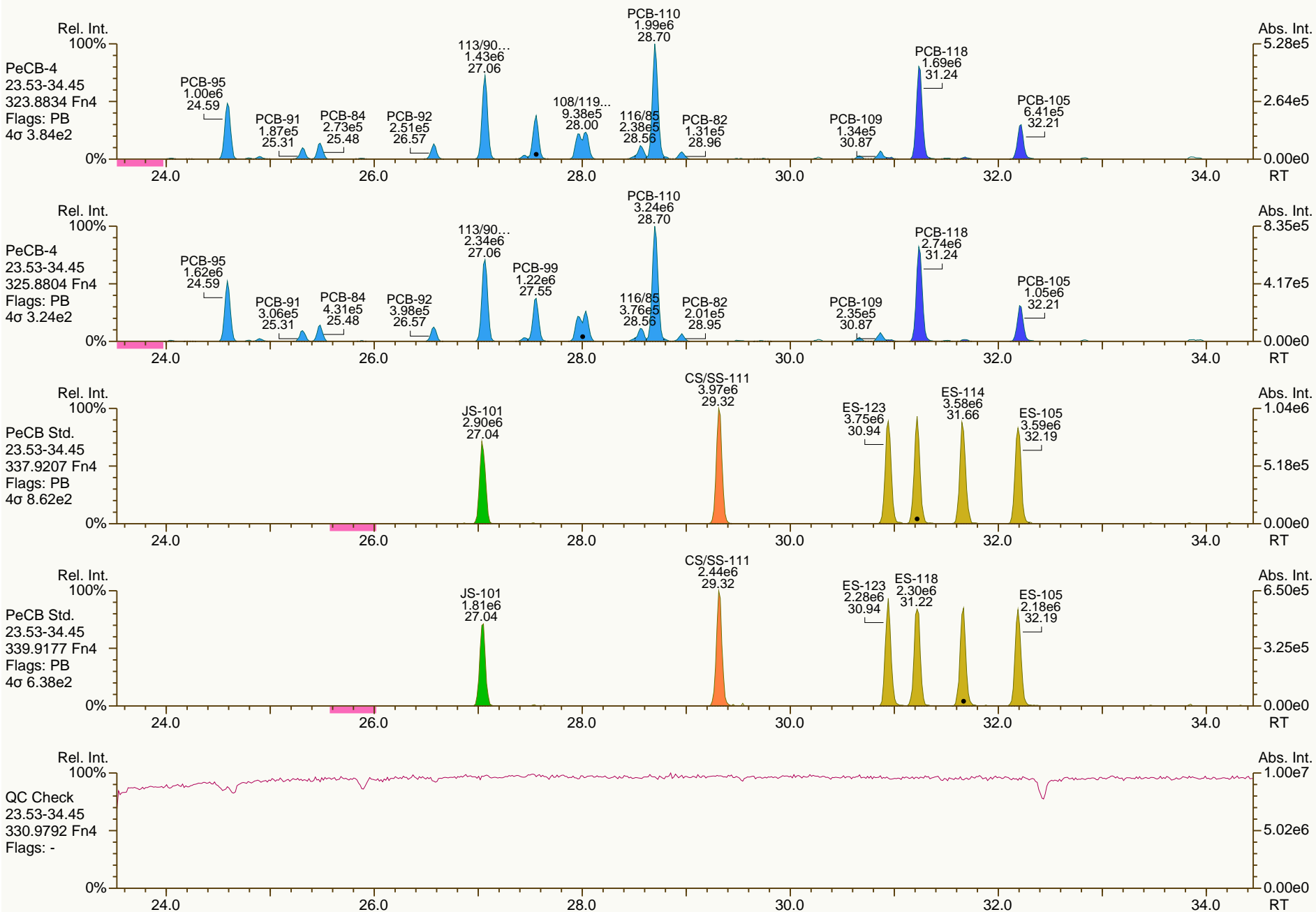
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AP Lab ID: A4371_9893_PCB_006-RJ
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Sample ID: JW-EA04-COMP-120507
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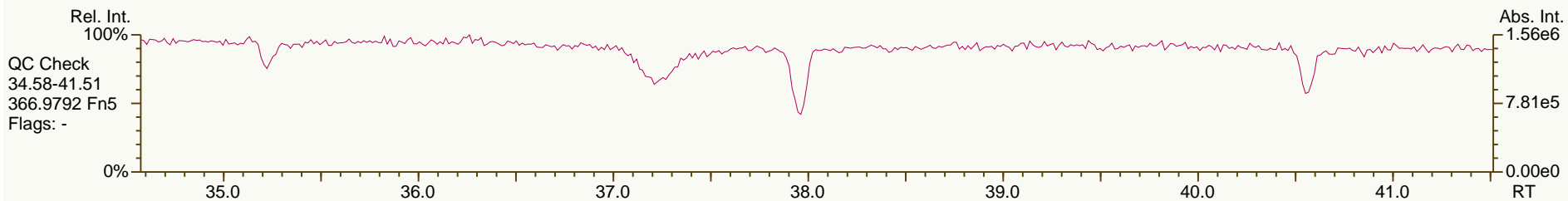
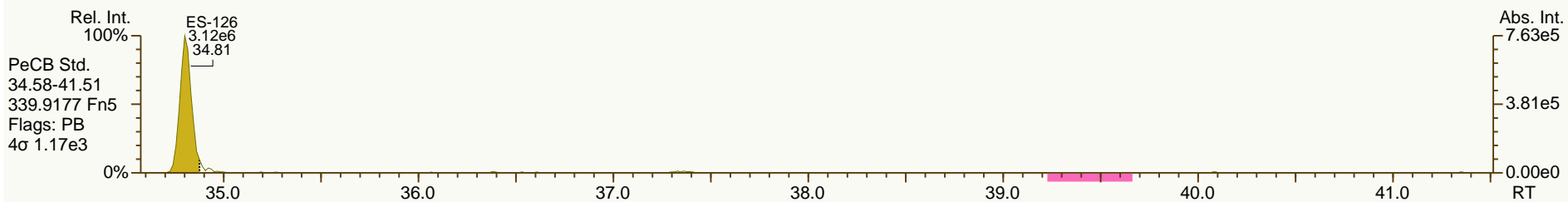
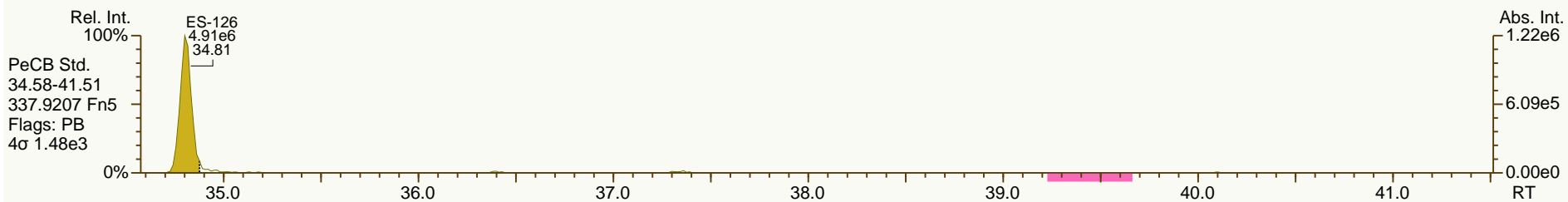
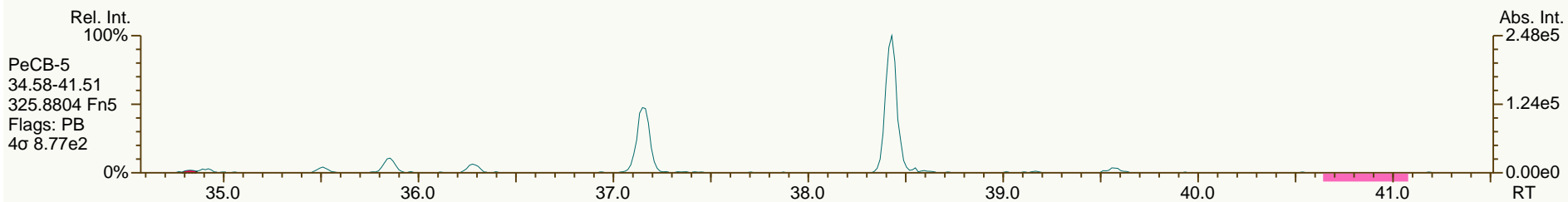
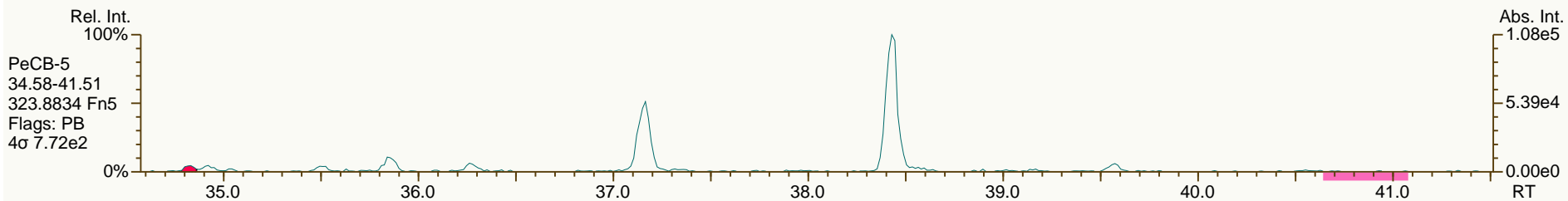
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
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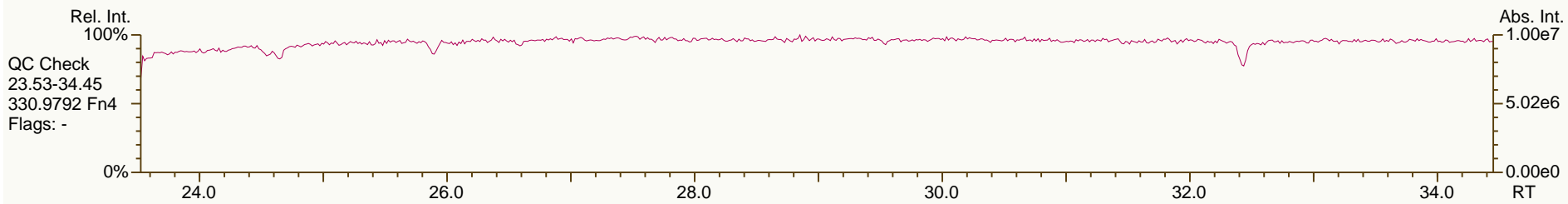
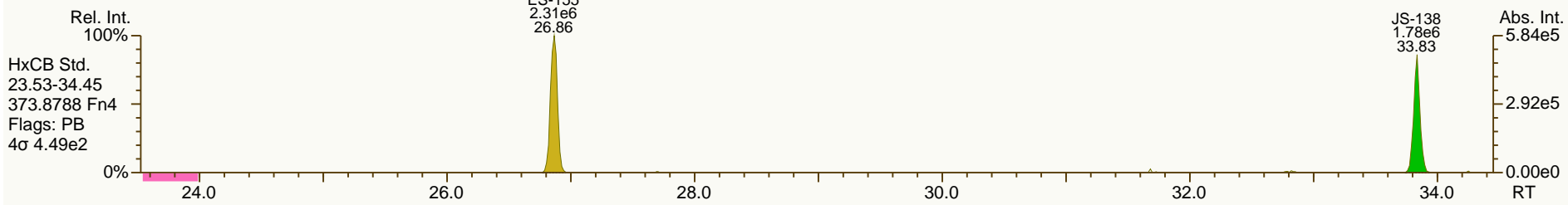
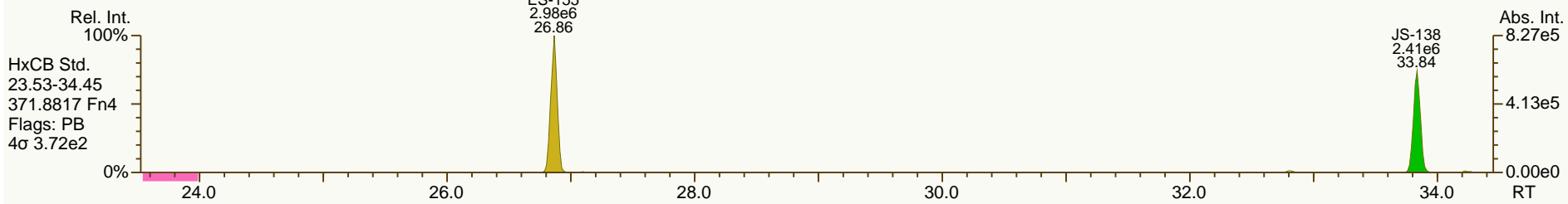
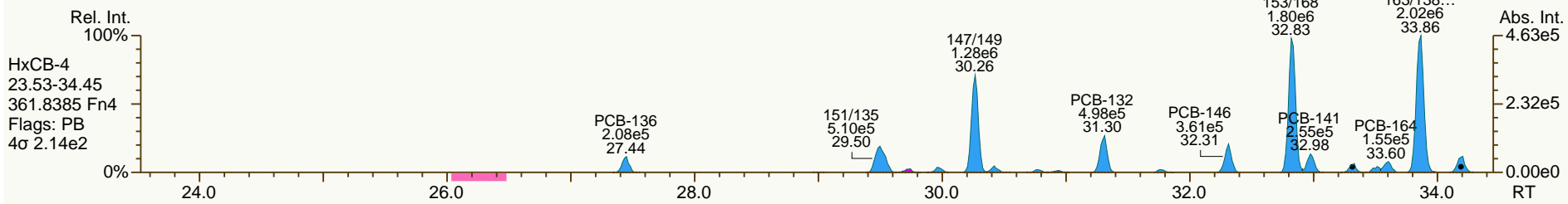
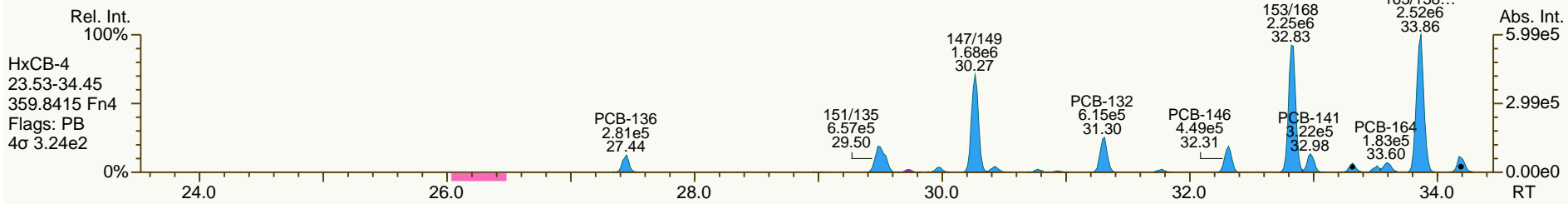
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AP Lab ID: A4371_9893_PCB_006-RJ
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Sample ID: JW-EA04-COMP-120507
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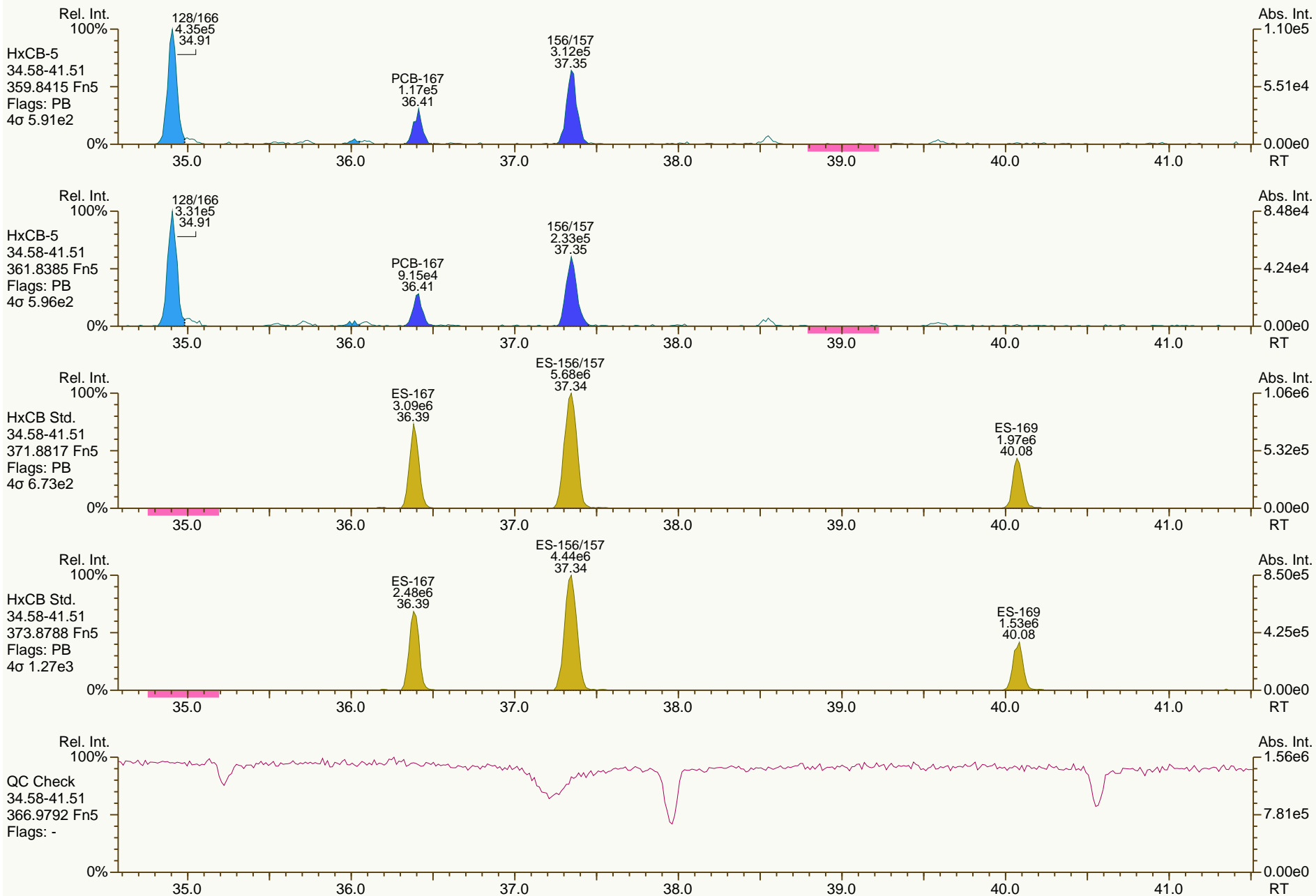
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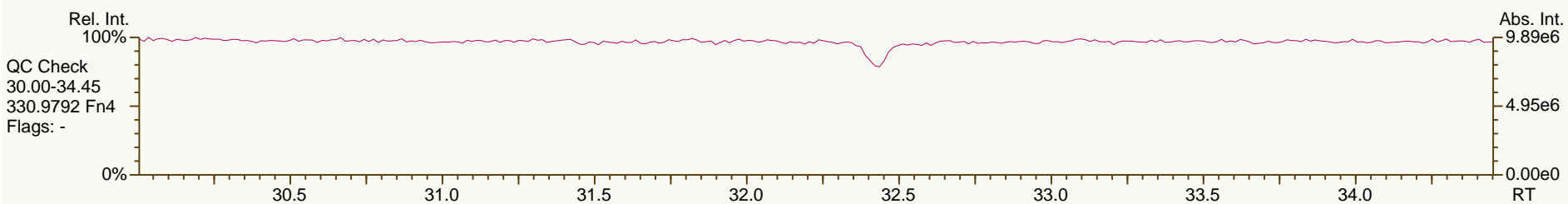
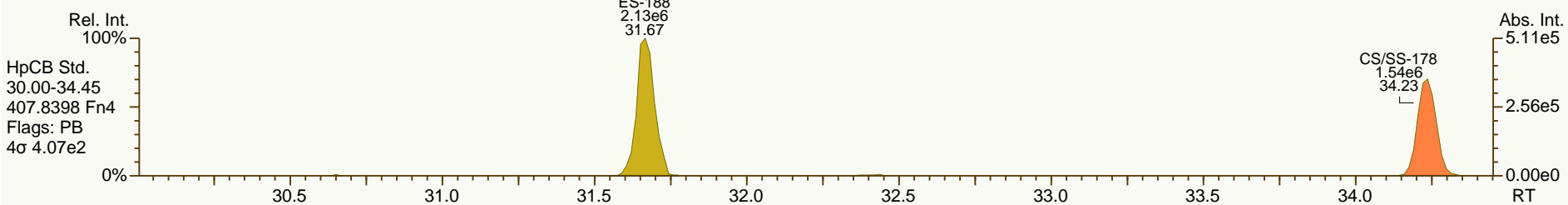
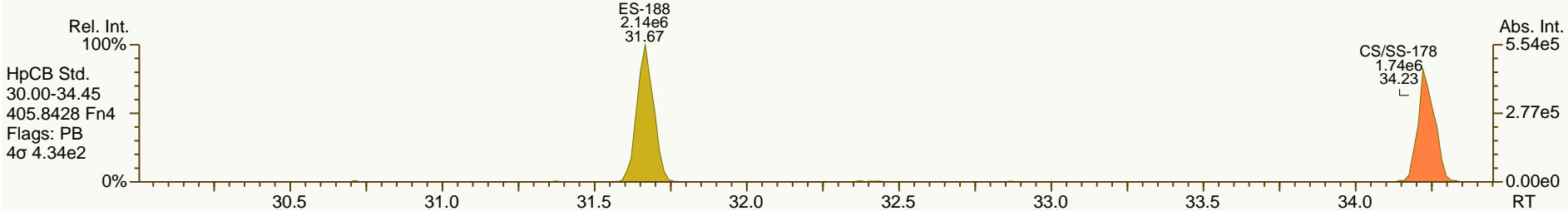
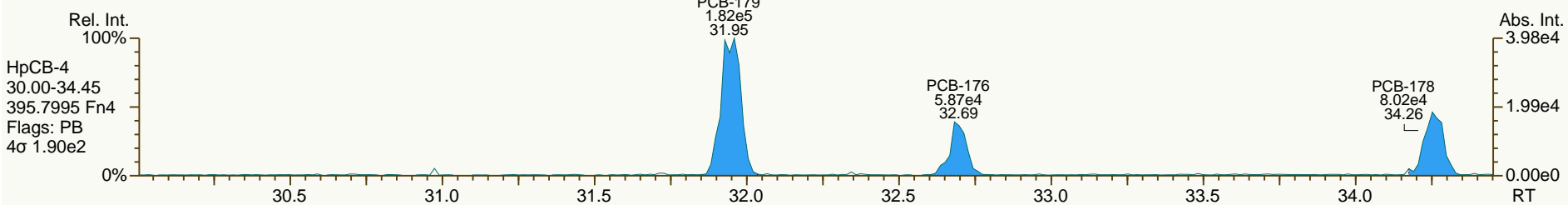
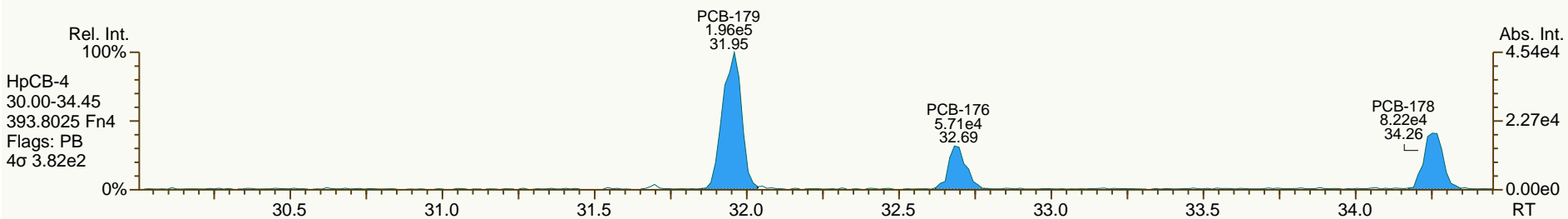
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AP Lab ID: A4371_9893_PCB_006-RJ
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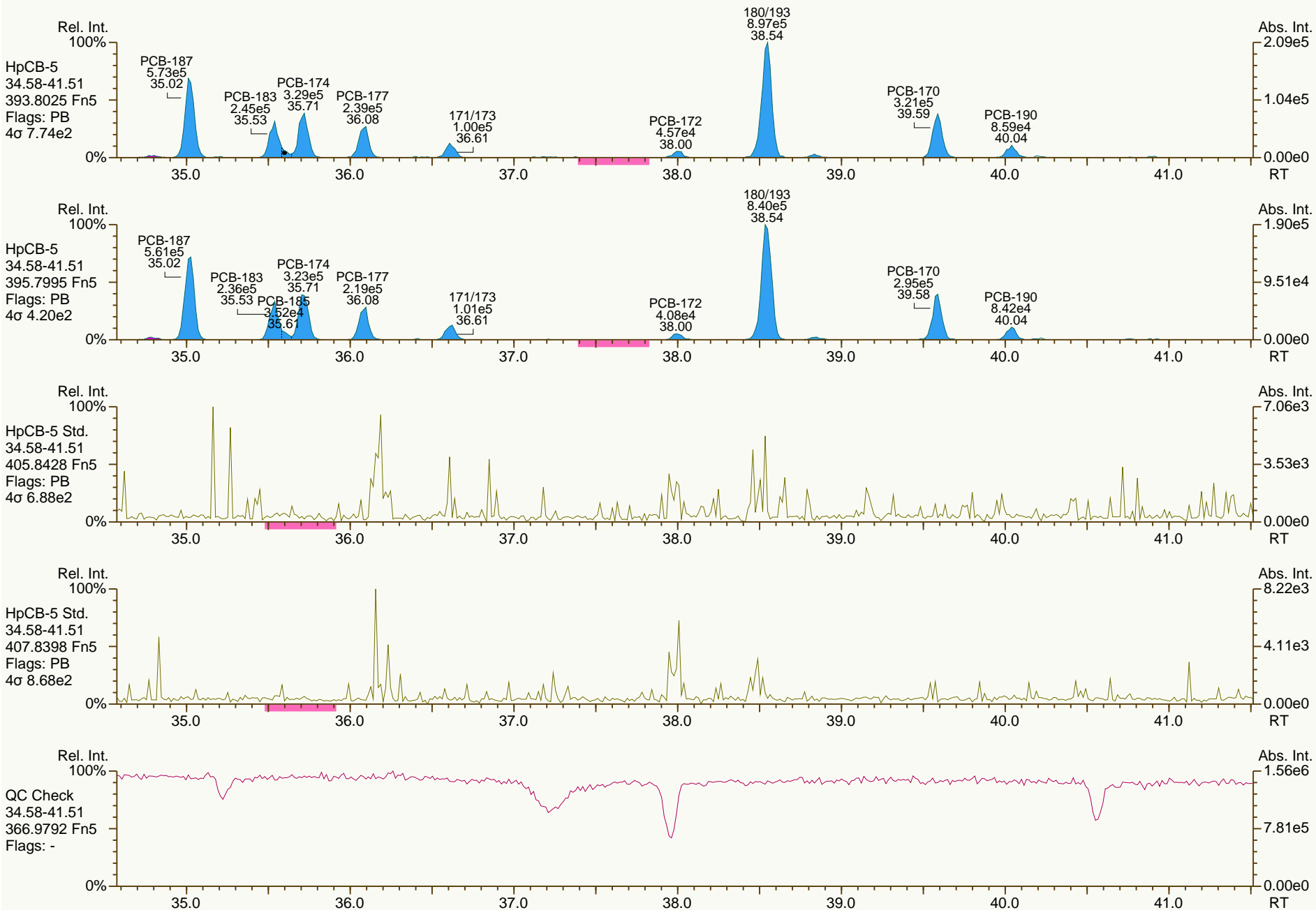
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AP Lab ID: A4371_9893_PCB_006-RJ
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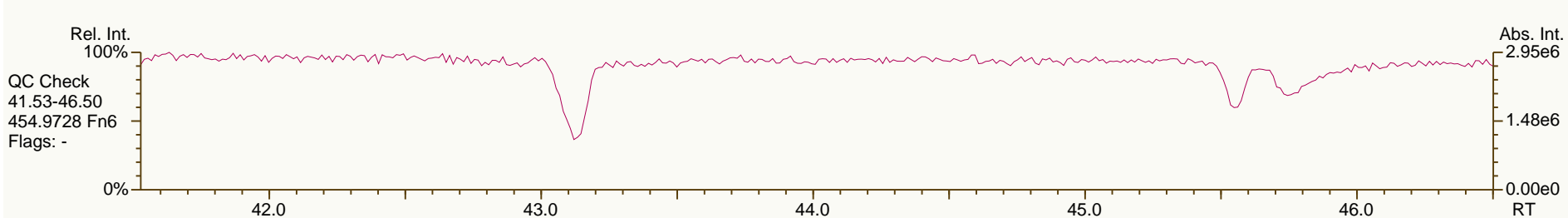
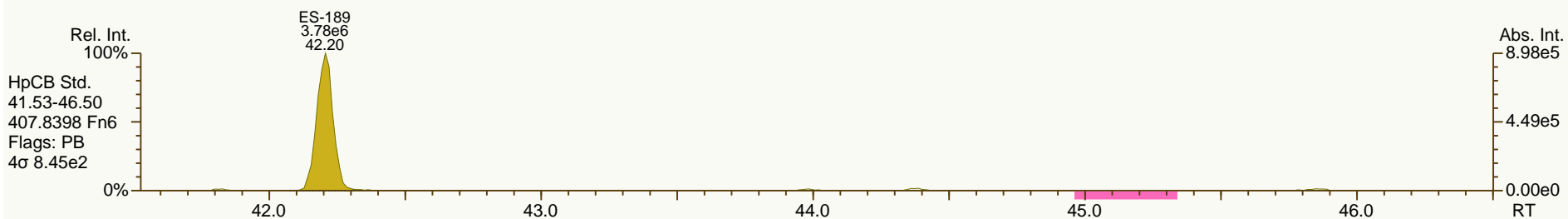
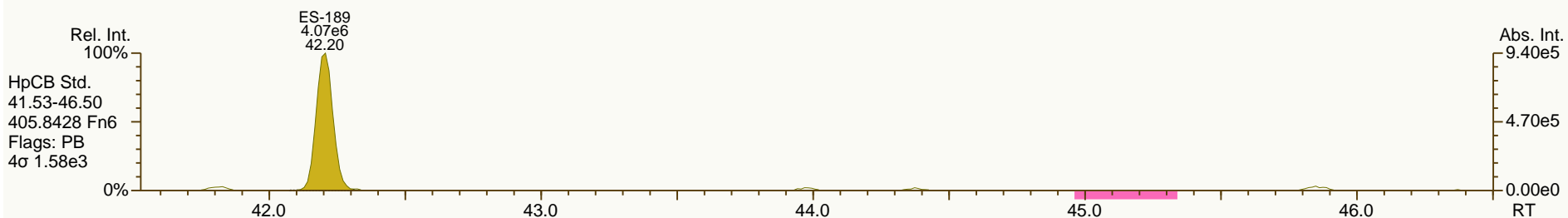
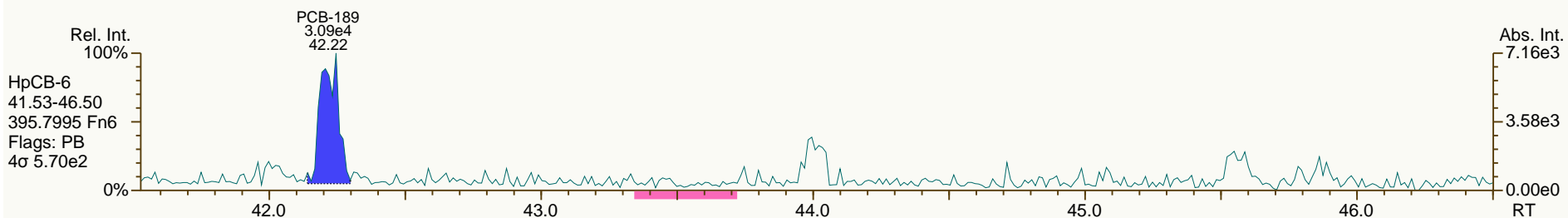
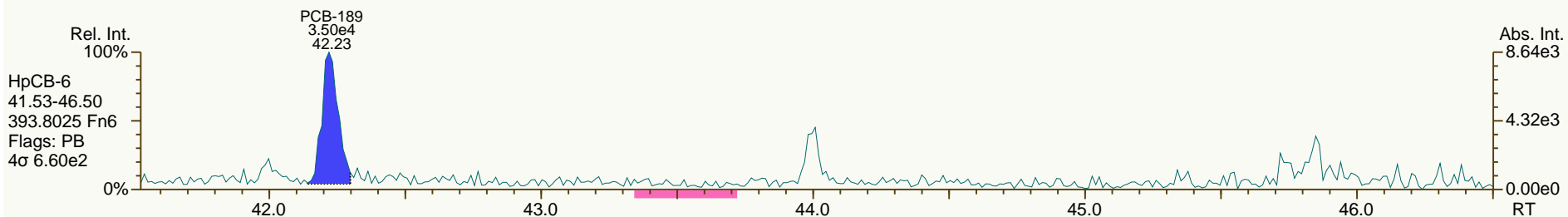
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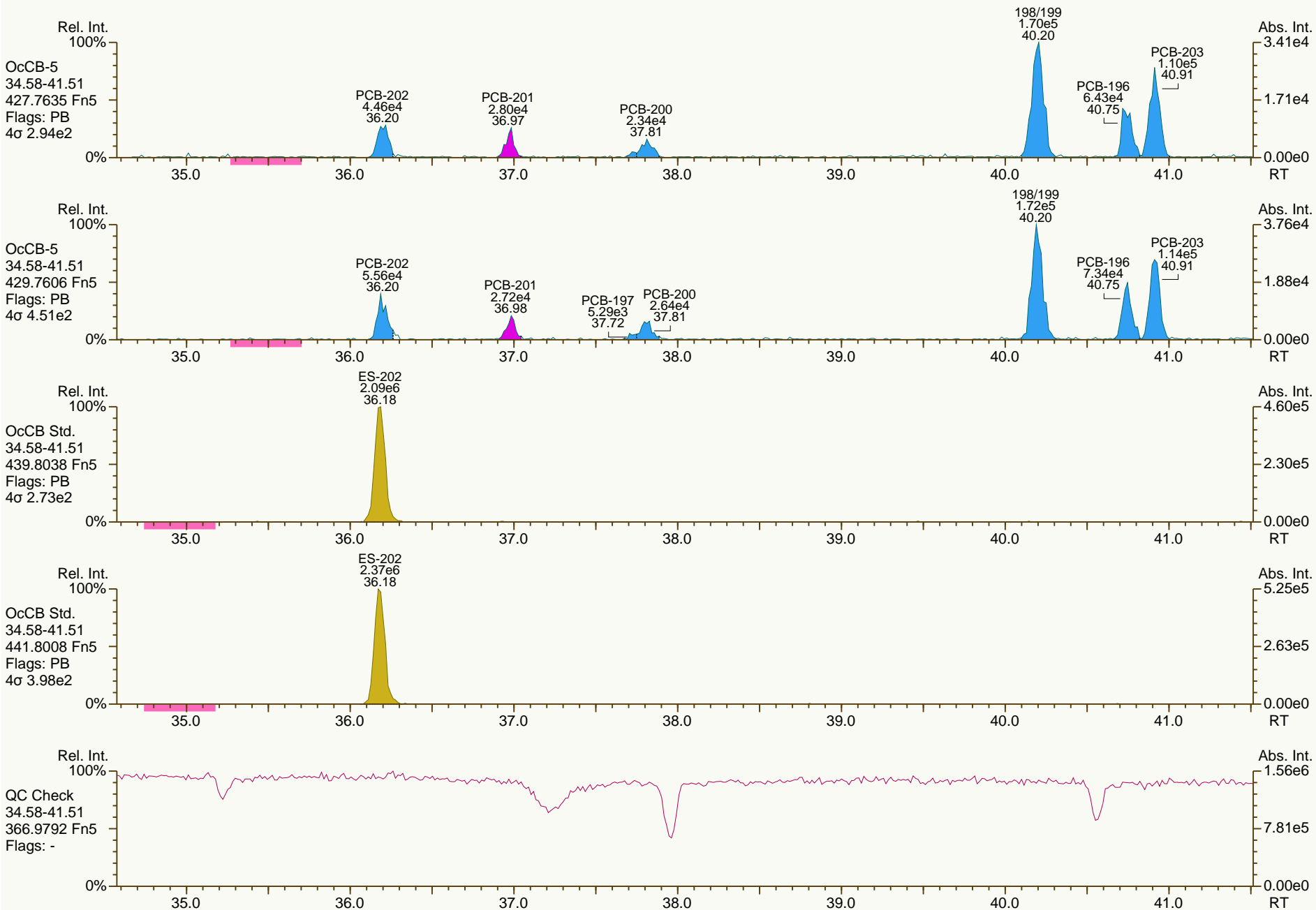
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AP Lab ID: A4371_9893_PCB_006-RJ
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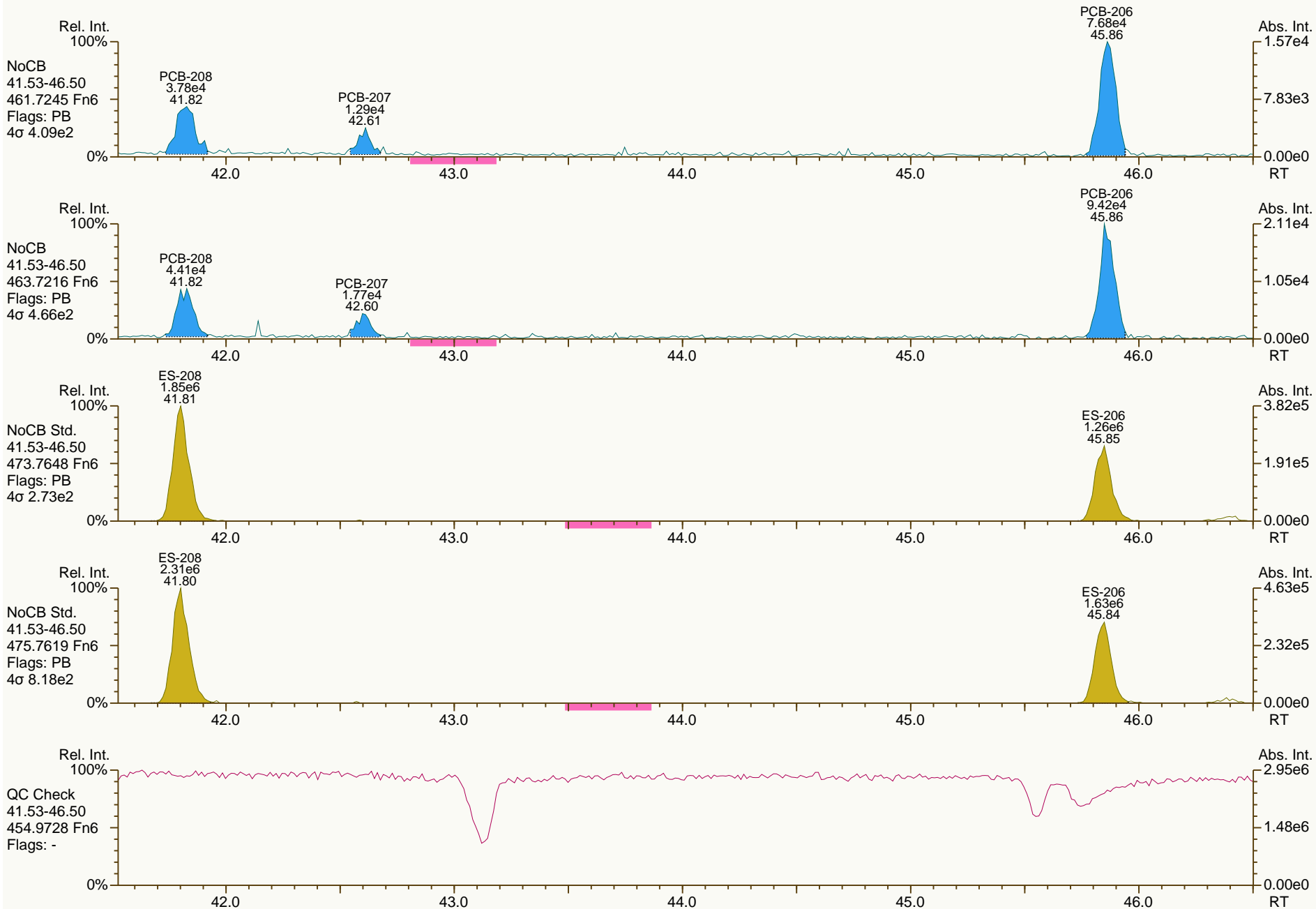
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AP Lab ID: A4371_9893_PCB_006-RJ
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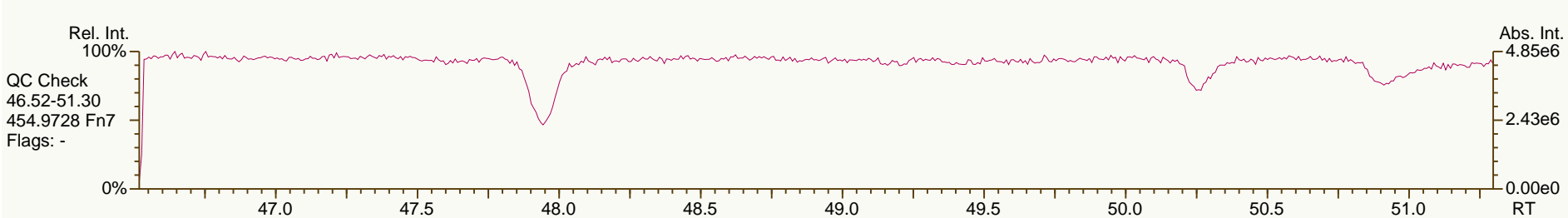
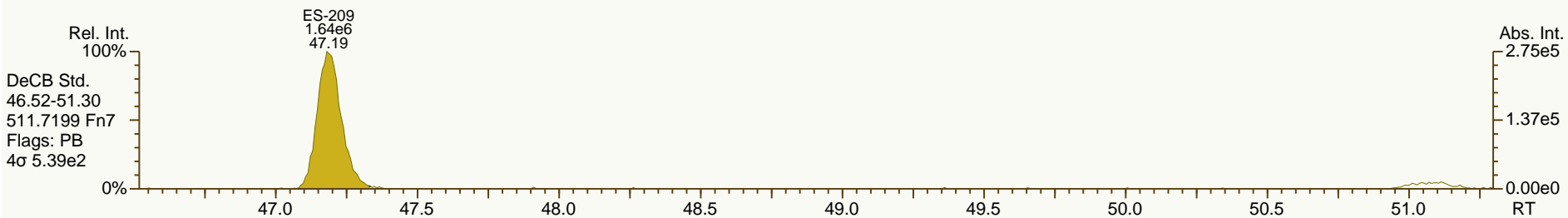
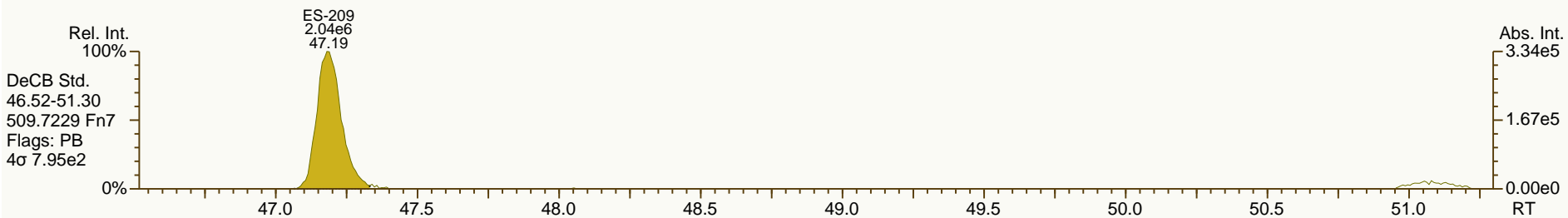
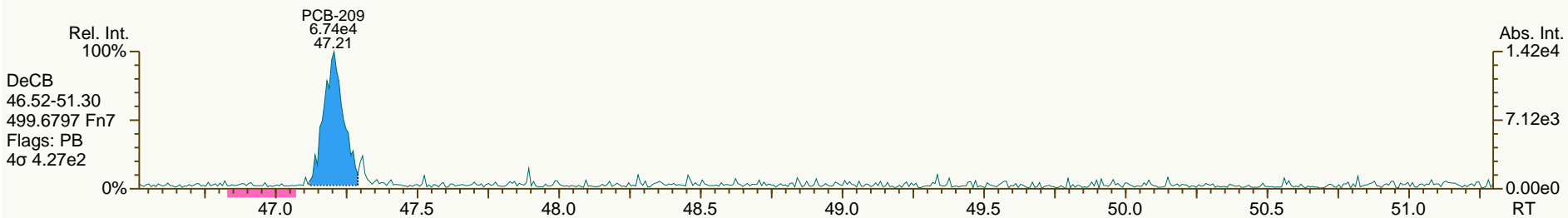
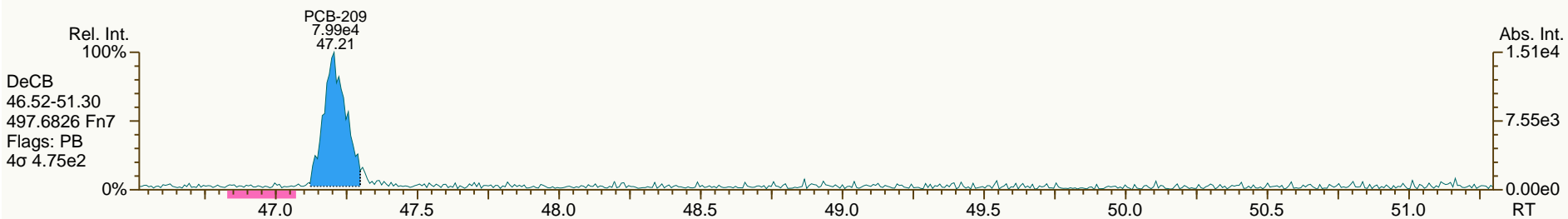
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
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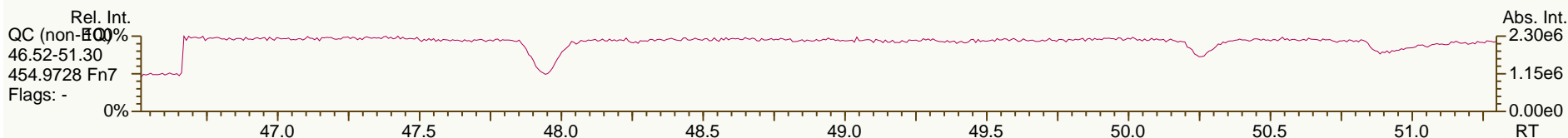
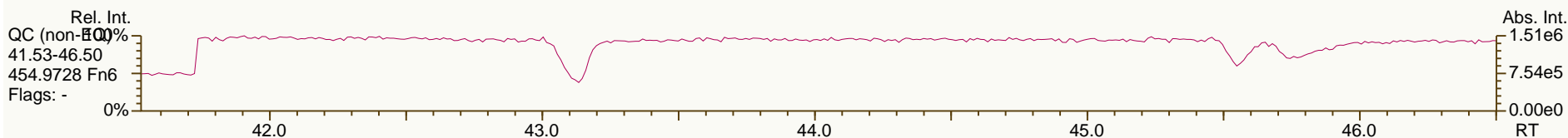
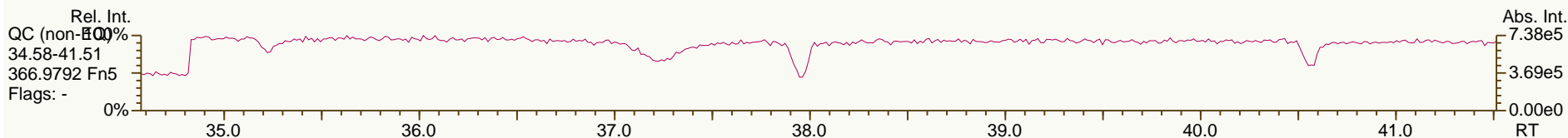
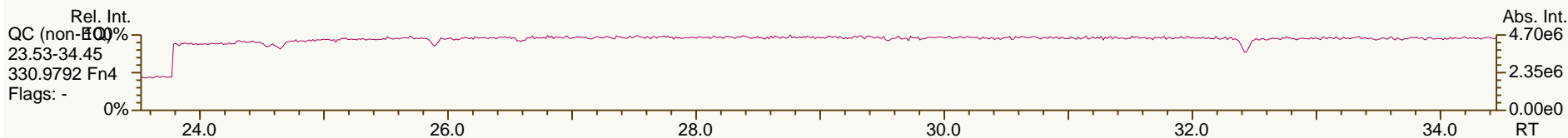
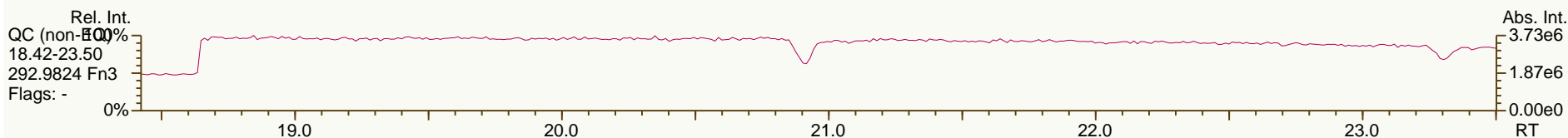
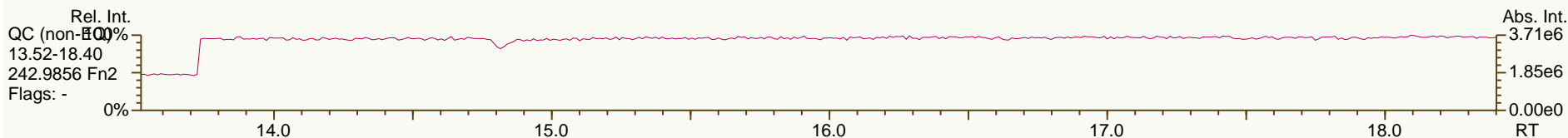
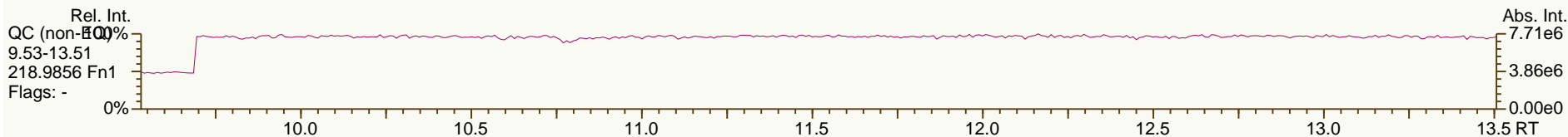
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AP Lab ID: A4371_9893_PCB_006-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA04-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 36

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Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.29		1.0006	1.0007	+0.2	7.65E+06	0.79	1.22	95	5.01E+03	0.637
PCB-81 344'5'-TeCB	28.82		1.0006	1.0006	0	2.74E+05	0.89	1.24	3.23	5.01E+03	0.567
PCB-105 233'44'-PeCB	32.24		1.0007	1.0007	0	4.54E+07	0.63	1.03	1,160	8.94E+02	0.232
PCB-114 2344'5'-PeCB	31.70		1.0007	1.0006	-0.2	2.28E+06	0.62	1.10	55.3	8.94E+02	0.212
PCB-118 23'44'5'-PeCB	31.27		1.0008	1.0007	-0.2	1.10E+08	0.63	1.03	2,610	8.94E+02	0.216
PCB-123 23'44'5'-PeCB	30.99		1.0007	1.0008	+0.2	1.55E+06	0.63	0.93	41.1	8.94E+02	0.237
PCB-126 33'44'5'-PeCB	34.85		1.0005	1.0004	-0.2	3.01E+05	0.65	1.11	4.75	3.08E+03	0.486
PCB-156/157 ...-HxCB	37.38	C	1.0005	1.0002	-0.7	1.40E+07	1.29	1.05	376	2.59E+03	0.953
PCB-167 23'44'55'-HxCB	36.44		1.0006	1.0006	0	4.06E+06	1.23	1.08	103	2.59E+03	0.676
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	2.59E+03	0.885
PCB-189 233'44'55'-HpCB	42.26		1.0005	1.0005	0	7.07E+05	1.02	1.11	12.7	1.74E+03	0.327
PCB-209 DeCB	47.25		1.0004	1.0004	0	7.06E+05	1.16	1.05	28.6	1.10E+03	0.655
ES PCB-1	9.84		0.7181	0.7173	-0.5	9.42E+06	3.31	1.01	47.3 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	1.11E+07	3.27	1.05	53.5 %	11%	106%
ES PCB-4	11.98		0.8732	0.8728	-0.3	5.46E+06	1.64	0.70	39.8 %	14%	107%
ES PCB-15	17.10		1.2453	1.2461	+0.8	1.76E+07	1.71	1.17	76.5 %	19%	107%
ES PCB-19	14.68		1.0698	1.0698	0	6.20E+06	1.06	0.57	55.6 %	1%	108%
ES PCB-37	23.09	V	1.0865	1.0873	+1.1	1.29E+07	1.14	1.41	125 %	25%	123%
ES PCB-54	17.33		0.8157	0.8156	-0.1	7.27E+06	0.78	1.32	74.8 %	13%	105%
ES PCB-77	29.27	V	1.3777	1.3781	+0.7	1.39E+07	0.80	1.22	155 %	31%	109%
ES PCB-81	28.81	V	1.3557	1.3562	+0.9	1.44E+07	0.83	1.15	170 %	14%	127%
ES PCB-104	22.04		0.8147	0.8146	-0.1	6.34E+06	1.57	1.69	55.7 %	36%	115%
ES PCB-105	32.21		1.1906	1.1904	-0.4	8.07E+06	1.61	1.21	99.1 %	50%	111%
ES PCB-114	31.68		1.1709	1.1708	-0.2	7.91E+06	1.69	1.23	95.1 %	41%	121%
ES PCB-118	31.24		1.1547	1.1545	-0.4	8.58E+06	1.61	1.25	102 %	49%	111%
ES PCB-123	30.97		1.1444	1.1443	-0.2	8.57E+06	1.61	1.33	95.7 %	49%	116%
ES PCB-126	34.83	V	1.2871	1.2872	+0.2	1.20E+07	1.68	1.36	131 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.88		0.7939	0.7939	0	7.48E+06	1.26	1.40	100 %	25%	124%
ES PCB-156/157	37.37	V	1.1035	1.1036	+0.2	1.50E+07	1.31	1.13	124 %	40%	120%
ES PCB-167	36.41	V	1.0753	1.0754	+0.2	7.68E+06	1.26	1.13	128 %	45%	118%
ES PCB-169	40.11		1.1842	1.1845	+0.7	6.05E+06	1.32	1.14	99.6 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.69		0.7204	0.7200	-0.8	5.68E+06	1.06	1.34	79.6 %	23%	125%
ES PCB-189	42.24	V	0.9598	0.9597	-0.3	1.06E+07	1.10	1.77	125 %	47%	116%
ES PCB-202	36.21		0.8230	0.8226	-0.9	5.89E+06	0.87	1.27	87.1 %	31%	134%
ES PCB-205	44.41		1.0090	1.0090	0	6.44E+06	0.93	1.25	108 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.89		1.0424	1.0426	+0.6	4.50E+06	0.80	1.07	88.1 %	38%	122%
ES PCB-208	41.83		0.9508	0.9505	-0.8	5.49E+06	0.78	1.34	85.7 %	31%	126%
ES PCB-209	47.23		1.0732	1.0731	-0.3	4.97E+06	1.20	1.18	87.7 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9268	-0.1	1.48E+07	1.11	0.98	117 %	14%	131%
CS/SS PCB-111	29.34	V	1.0843	1.0842	-0.2	9.15E+06	1.63	0.90	119 %	57%	112%
CS/SS PCB-178	34.26		1.0118	1.0118	0	4.20E+06	1.11	0.65	114 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9268	-0.1	1.48E+07	1.11	1.39	146 %	14%	131%
CS PCB-111	29.34	V	1.0843	1.0842	-0.2	9.15E+06	1.63	1.19	114 %	57%	112%
CS PCB-178	34.26		1.0118	1.0118	0	4.20E+06	1.11	0.87	90.9 %	57%	125%
JS PCB-9	13.72					1.97E+07	1.66				
JS PCB-52	21.24					7.34E+06	0.81				
JS PCB-101	27.06					6.75E+06	1.67				
JS PCB-138	33.86					5.32E+06	1.28				
JS PCB-194	44.01					4.79E+06	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	105	105	0.212		
						Di-CBs	709	713	1.73		
						Tri-CBs	2,390	2,390	0.839		
						Tetra-CBs	7,870	7,870	0.354		
						Penta-CBs	18,400	18,400	0.263		
						Hexa-CBs	10,500	10,500	0.659		
						Hepta-CBs	2,010	2,040	0.449		
						Octa-CBs	592	592	0.398		
						Nona-CBs	115	115	0.577		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	2.03E+06	3.34	1.20	38	2.15E+03	0.195
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	1.72E+06	3.38	1.39	23.6	2.15E+03	0.185
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	2.60E+06	3.26	1.13	43.9	2.15E+03	0.228
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	8.85E+05	1.54	0.94	36.2	8.88E+03	2.22
PCB-10 26-DiCB	12.14		1.0142	1.0139	-0.2	7.60E+04	SI	1.56	1.88	2.56E+03	0.386
PCB-9 25-DiCB	13.74		1.0011	1.0011	0	4.20E+05	1.42	0.93	5.4	1.27E+04	1.33
PCB-7 24-DiCB	13.88	EMPC	1.0116	1.0116	0	3.50E+05	1.28	1.10	3.81	1.27E+04	1.13
PCB-6 23'-DiCB	14.08		1.0261	1.0261	0	1.69E+06	1.48	1.01	20.1	1.27E+04	1.23
PCB-5 23-DiCB	14.34		1.0451	1.0453	+0.2	1.87E+05	SI	1.02	2.2	5.11E+03	0.491
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	9.82E+06	1.55	1.05	112	1.27E+04	1.18
PCB-14 35-DiCB	15.87		0.9287	0.9284	-0.3	1.20E+05	SI	1.20	1.19	5.11E+03	0.415
PCB-11 33'-DiCB	16.58		0.9701	0.9698	-0.3	3.45E+07	1.56	1.04	398	1.27E+04	1.2
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9849	-0.6	1.69E+06	1.51	1.03	19.5	1.27E+04	1.2
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	9.43E+06	1.56	1.01	112	1.27E+04	1.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	4.89E+05	1.05	1.01	16.4	2.77E+03	0.652
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	9.62E+06	1.05	1.32	248	2.77E+03	0.499
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	3.56E+06	1.03	1.12	108	2.77E+03	0.586
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	8.17E+05	1.06	1.46	19	2.77E+03	0.452
PCB-24 236-TrCB	16.97	EMPC	1.1558	1.1558	0	9.30E+04	1.20	1.48	2.13	2.77E+03	0.444
PCB-16 22'3-TrCB	17.05		1.1612	1.1618	+0.6	2.68E+06	1.05	0.87	104	2.77E+03	0.755
PCB-32 24'6-TrCB	17.51		1.1923	1.1926	+0.3	3.94E+06	1.04	1.56	86.2	2.77E+03	0.423
PCB-34 23'5'-TrCB	18.60		0.8061	0.8054	-0.8	2.34E+05	1.10	1.37	2.8	7.93E+03	0.901
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.93E+03	0.858
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8220	-1.8	6.09E+06	1.07	1.43	69.5	7.93E+03	0.86
PCB-25 23'4-TrCB	19.19		0.8315	0.8308	-0.8	2.84E+06	1.08	1.43	32.4	7.93E+03	0.859
PCB-31 24'5-TrCB	19.45		0.8430	0.8423	-0.8	4.32E+07	1.08	1.49	474	7.93E+03	0.827
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8532	-1.2	4.99E+07	1.07	1.37	595	7.93E+03	0.898
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8617	+0.6	1.96E+07	1.07	1.45	221	7.93E+03	0.851
PCB-22 234'-TrCB	20.23		0.8766	0.8760	-0.7	1.39E+07	1.08	1.29	176	7.93E+03	0.953
PCB-36 33'5-TrCB	21.58		0.9351	0.9346	-0.6	4.94E+05	1.06	1.38	5.85	7.93E+03	0.893
PCB-39 34'5-TrCB	21.91		0.9481	0.9486	+0.7	3.39E+05	1.04	1.43	3.87	7.93E+03	0.861
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.93E+03	0.958
PCB-35 33'4-TrCB	22.77		0.9860	0.9858	-0.3	1.43E+06	1.14	1.26	18.5	7.93E+03	0.976
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	1.53E+07	1.08	1.20	209	7.93E+03	1.03
PCB-54 22'66'-TeCB	17.34	J	1.0010	1.0008	-0.2	2.09E+04	0.66	0.93	0.651	5.74E+02	0.149
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9038	-1.5	2.63E+06	0.79	0.64	59.9	9.31E+02	0.204
PCB-45 22'36-TeCB	19.76		0.9304	0.9303	-0.1	2.02E+06	0.78	0.57	52.2	9.31E+02	0.23
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	6.40E+05	0.78	0.64	14.7	9.31E+02	0.205
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	7.72E+05	0.81	0.53	21.4	9.31E+02	0.248
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	5.85E+07	0.78	0.62	1,400	9.31E+02	0.213
PCB-73 23'5'6-TeCB	21.37		1.0069	1.0062	-0.9	1.05E+05	0.83	0.82	1.89	9.31E+02	0.161
PCB-43 22'35-TeCB	21.46		1.0106	1.0104	-0.3	6.74E+05	0.82	0.56	17.6	9.31E+02	0.232
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	2.22E+07	0.79	0.77	423	9.31E+02	0.17
PCB-48 22'45-TeCB	21.92		1.0319	1.0321	+0.3	4.05E+06	0.79	0.65	90.9	9.31E+02	0.2
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0406	-1.3	3.49E+07	0.79	0.69	740	9.31E+02	0.19
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0541	0	2.26E+06	0.79	0.87	38.3	9.31E+02	0.151
PCB-42 22'34'-TeCB	22.55		1.0612	1.0616	+0.5	5.95E+06	0.79	0.63	140	9.31E+02	0.209
PCB-41 22'34-TeCB	22.86		1.0759	1.0762	+0.4	1.49E+06	0.77	0.55	39.5	9.31E+02	0.237
PCB-71/40 23'4'6/22'33'-TeCB	22.97	C	1.0806	1.0813	+1.0	1.27E+07	0.78	0.67	279	9.31E+02	0.195
PCB-64 234'6-TeCB	23.16		1.0899	1.0905	+0.8	1.70E+07	0.78	0.94	265	9.31E+02	0.139
PCB-72 23'55'-TeCB	23.92		0.8295	0.8304	+1.3	9.11E+05	0.77	1.11	12	5.01E+03	0.635
PCB-68 23'45'-TeCB	24.17		0.8379	0.8390	+1.6	5.02E+05	0.72	1.21	6.11	5.01E+03	0.585
PCB-57 233'5-TeCB	24.52		0.8501	0.8511	+1.5	1.98E+05	0.81	1.09	2.67	5.01E+03	0.648
PCB-58 233'5'-TeCB	24.71		0.8568	0.8579	+1.6	2.74E+05	0.82	1.10	3.67	5.01E+03	0.643
PCB-67 23'45-TeCB	24.87		0.8620	0.8632	+1.8	1.70E+06	0.80	1.14	22	5.01E+03	0.621
PCB-63 234'5-TeCB	25.08		0.8697	0.8706	+1.4	2.96E+06	0.78	1.20	36.2	5.01E+03	0.589
PCB-61/70/74/76 ...-TeCB	25.36	C	0.8792	0.8804	+1.8	1.80E+08	0.79	1.14	2,310	5.01E+03	0.619
PCB-66 23'44'-TeCB	25.62		0.8888	0.8893	+0.8	7.76E+07	0.79	1.06	1,070	5.01E+03	0.664
PCB-55 233'4-TeCB	25.74		0.8932	0.8935	+0.5	1.23E+06	0.76	1.14	15.8	5.01E+03	0.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9083	+0.5	3.34E+07	0.79	1.06	462	5.01E+03	0.664
PCB-60 2344'-TeCB	26.35		0.9144	0.9146	+0.3	1.80E+07	0.79	1.14	232	5.01E+03	0.618
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	5.01E+03	0.574
PCB-79 33'45'-TeCB	27.99		0.9718	0.9715	-0.5	1.61E+06	0.74	1.22	19.4	5.01E+03	0.578
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	5.01E+03	0.673
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.05E+02	0.197
PCB-96 22'366'-PeCB	22.35		1.0141	1.0141	0	3.14E+05	0.59	0.92	11.3	6.05E+02	0.196
PCB-103 22'45'6'-PeCB	24.07		0.8883	0.8893	+1.4	3.44E+05	0.64	0.78	10.9	8.94E+02	0.281
PCB-94 22'356'-PeCB	24.24		0.8946	0.8957	+1.6	2.33E+05	0.61	0.68	8.48	8.94E+02	0.324
PCB-95 22'35'6'-PeCB	24.61		0.9082	0.9093	+1.6	5.42E+07	0.63	0.70	1,920	8.94E+02	0.315
PCB-100/93 22'44'6'/22'356'-PeCB	24.81	C	0.9158	0.9167	+1.3	3.55E+05	0.62	0.73	12	8.94E+02	0.301
PCB-102 22'456'-PeCB	24.92		0.9198	0.9209	+1.6	1.76E+06	0.63	0.86	50.6	8.94E+02	0.256
PCB-98 22'34'6'-PeCB	25.00		0.9222	0.9239	+2.6	4.97E+04	0.70	0.67	1.84	8.94E+02	0.33
PCB-88 22'346'-PeCB	25.24		0.9325	0.9327	+0.3	2.91E+04	0.59	0.66	1.08	8.94E+02	0.331
PCB-91 22'34'6'-PeCB	25.33		0.9352	0.9360	+1.2	9.43E+06	0.62	0.82	283	8.94E+02	0.268
PCB-84 22'33'6'-PeCB	25.50		0.9416	0.9422	+0.9	1.77E+07	0.62	0.63	688	8.94E+02	0.347
PCB-89 22'346'-PeCB	25.90		0.9567	0.9570	+0.5	5.79E+05	0.61	0.66	21.7	8.94E+02	0.334
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	8.94E+02	0.222
PCB-92 22'355'-PeCB	26.59		0.9825	0.9826	+0.2	1.37E+07	0.62	0.70	483	8.94E+02	0.315
PCB-113/90/101 ...-PeCB	27.08	C	0.9999	1.0008	+1.5	9.14E+07	0.63	0.82	2,750	8.94E+02	0.268
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0148	-0.3	3.59E+06	0.60	0.60	148	8.94E+02	0.369
PCB-99 22'44'5'-PeCB	27.57		1.0190	1.0189	-0.2	4.18E+07	0.62	0.72	1,430	8.94E+02	0.305
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	8.94E+02	0.233
PCB-108/119/86/97/125...-PeCB	28.02	C	1.0347	1.0356	+1.5	6.66E+07	0.62	0.84	1,950	8.94E+02	0.26
PCB-117 234'56'-PeCB	28.51		1.0539	1.0535	-0.7	1.77E+06	0.60	0.86	50.6	8.94E+02	0.255
PCB-116/85 23456/22'344'-PeCB	28.59	C	1.0566	1.0564	-0.3	1.63E+07	0.62	0.88	455	8.94E+02	0.249
PCB-110 233'4'6'-PeCB	28.72		1.0615	1.0614	-0.2	1.24E+08	0.62	0.87	3,500	8.94E+02	0.252
PCB-115 2344'6'-PeCB	28.82		1.0644	1.0651	+1.2	1.61E+06	0.65	1.00	39.7	8.94E+02	0.22
PCB-82 22'33'4'-PeCB	28.98		1.0711	1.0708	-0.5	8.69E+06	0.62	0.62	344	8.94E+02	0.353
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	8.94E+02	0.221
PCB-120 23'455'-PeCB	29.75		1.0994	1.0993	-0.2	2.79E+05	0.63	0.98	7.01	8.94E+02	0.224
PCB-107/124 ...-PeCB	30.69	C	0.9909	0.9911	+0.4	3.91E+06	0.63	0.92	104	8.94E+02	0.238
PCB-109 233'46'-PeCB	30.89		0.9976	0.9976	0	7.42E+06	0.61	0.90	202	8.94E+02	0.243
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	8.94E+02	0.238
PCB-122 233'4'5'-PeCB	31.54		1.0095	1.0095	0	1.18E+06	0.61	0.94	33.3	8.94E+02	0.246
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	8.94E+02	0.241
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.17E+02	0.124
PCB-152 22'3566'-HxCB	27.03		1.0055	1.0053	-0.3	6.75E+04	1.40	0.99	1.92	5.17E+02	0.132
PCB-150 22'34'66'-HxCB	27.18	EMPC	1.0112	1.0112	0	6.45E+04	1.44	1.01	1.81	5.17E+02	0.13
PCB-136 22'33'66'-HxCB	27.46		1.0216	1.0216	0	8.17E+06	1.30	0.92	252	5.17E+02	0.143
PCB-145 22'3466'-HxCB	27.72	J EMPC	1.0316	1.0312	-0.7	3.32E+04	1.49	0.95	0.986	5.17E+02	0.138
PCB-148 22'34'56'-HxCB	29.03		1.0801	1.0799	-0.3	5.18E+04	1.36	0.73	1.99	5.17E+02	0.178
PCB-151/135 ...-HxCB	29.52	C	1.0986	1.0983	-0.5	1.42E+07	1.30	0.72	561	5.17E+02	0.183
PCB-154 22'44'56'-HxCB	29.75		1.1067	1.1066	-0.2	5.59E+05	1.31	0.81	19.6	5.17E+02	0.162
PCB-144 22'345'6'-HxCB	29.99		1.1158	1.1157	-0.2	2.28E+06	1.31	0.74	87.6	5.17E+02	0.178

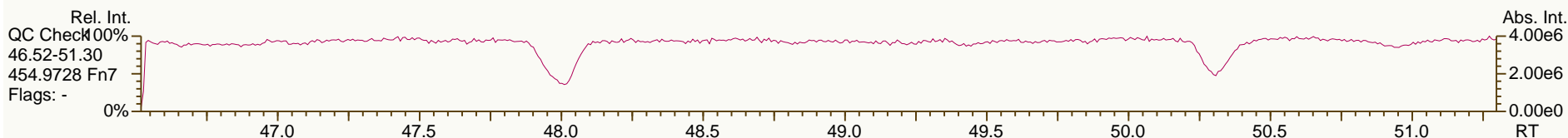
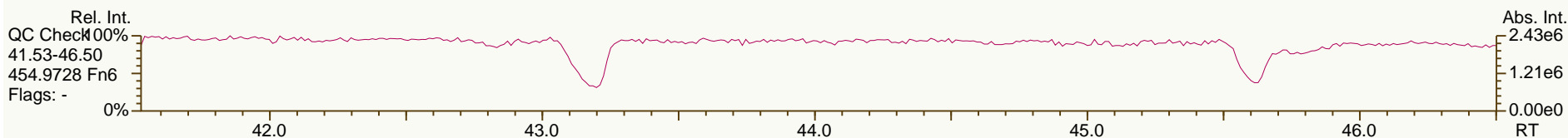
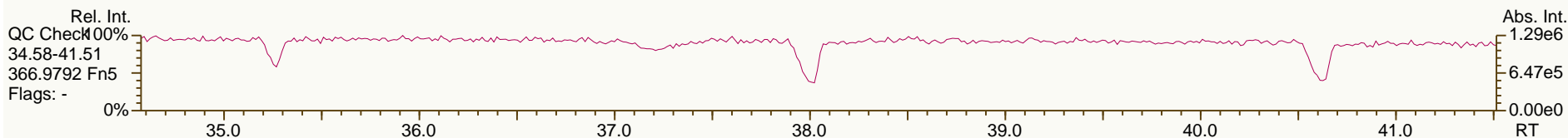
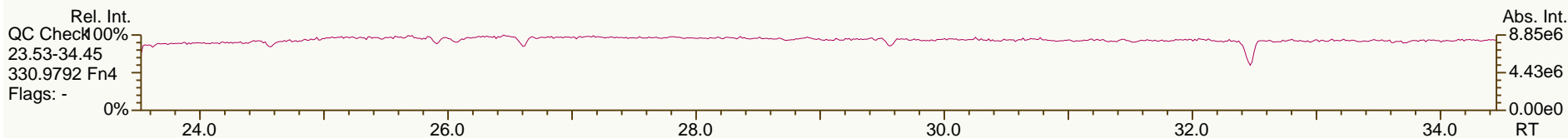
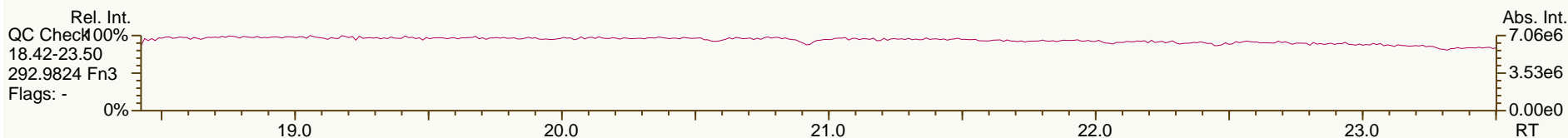
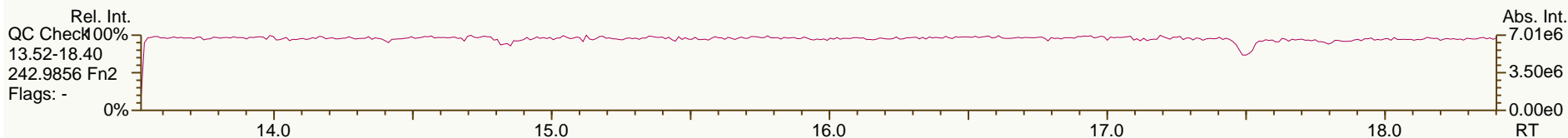
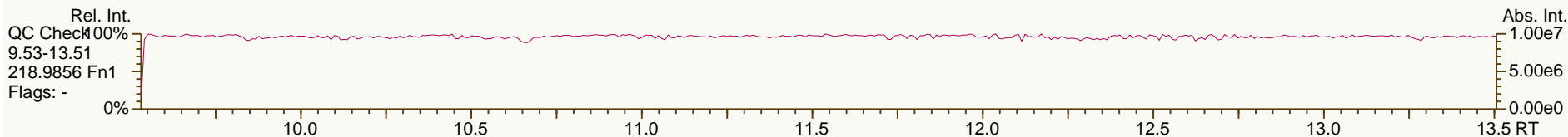
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.29	C	1.1269	1.1266	-0.5	4.17E+07	1.27	0.75	1,570	5.17E+02	0.175
PCB-134 22'33'56"-HxCB	30.44		1.1326	1.1325	-0.2	2.99E+06	1.30	0.59	142	5.17E+02	0.22
PCB-143 22'34'56"-HxCB	30.54		1.1356	1.1359	+0.5	1.94E+05	1.21	0.72	7.65	5.17E+02	0.183
PCB-139/140 ...-HxCB	30.79	C	1.1458	1.1454	-0.7	1.24E+06	1.25	0.77	45.6	5.17E+02	0.17
PCB-131 22'33'46"-HxCB	30.95		1.1516	1.1514	-0.4	8.46E+05	1.17	0.65	36.6	5.17E+02	0.2
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.17E+02	0.191
PCB-132 22'33'46"-HxCB	31.33		1.1655	1.1654	-0.2	1.98E+07	1.27	0.67	840	5.17E+02	0.196
PCB-133 22'33'55"-HxCB	31.79		1.1826	1.1827	+0.2	7.60E+05	1.19	0.69	31.2	5.17E+02	0.19
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.17E+02	0.154
PCB-146 22'34'55"-HxCB	32.33		0.9550	0.9549	-0.2	8.58E+06	1.25	0.76	320	5.17E+02	0.173
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.17E+02	0.141
PCB-153/168 ...-HxCB	32.85	C	0.9709	0.9702	-1.4	5.66E+07	1.27	0.89	1,800	5.17E+02	0.147
PCB-141 22'34'55"-HxCB	33.00		0.9746	0.9747	+0.2	9.09E+06	1.25	0.73	351	5.17E+02	0.179
PCB-130 22'33'45"-HxCB	33.34		0.9847	0.9846	-0.2	4.12E+06	1.27	0.63	184	5.17E+02	0.207
PCB-137 22'34'4'5"-HxCB	33.53		0.9904	0.9904	0	3.91E+06	1.25	0.81	136	5.17E+02	0.161
PCB-164 233'4'5'6"-HxCB	33.62		0.9930	0.9930	0	5.20E+06	1.27	0.89	164	5.17E+02	0.147
PCB-163/138/129 ...-HxCB	33.89	C	1.0012	1.0008	-0.8	7.58E+07	1.26	0.78	2,730	5.17E+02	0.167
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.17E+02	0.15
PCB-158 233'44'6"-HxCB	34.22		1.0106	1.0105	-0.2	1.00E+07	1.24	1.00	282	5.17E+02	0.13
PCB-128/166 ...-HxCB	34.93	C	0.9593	0.9593	0	1.61E+07	1.28	0.97	456	2.59E+03	0.752
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	2.59E+03	0.674
PCB-162 233'4'55"-HxCB	36.04		0.9896	0.9897	+0.2	3.31E+05	1.25	1.14	7.96	2.59E+03	0.64
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.47E+02	0.15
PCB-179 22'33'566"-HpCB	31.97		1.0089	1.0089	0	2.72E+06	1.08	1.06	95.2	4.47E+02	0.151
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.47E+02	0.154
PCB-176 22'33'466"-HpCB	32.72	EMPC	1.0324	1.0324	0	7.96E+05	1.21	1.13	26.1	4.47E+02	0.141
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.47E+02	0.146
PCB-178 22'33'55'6"-HpCB	34.28		1.0816	1.0817	+0.2	1.08E+06	1.04	0.78	51.2	4.47E+02	0.205
PCB-175 22'33'45'6"-HpCB	34.82		1.0985	1.0987	+0.4	2.82E+05	1.04	0.86	12.1	1.60E+03	0.662
PCB-187 22'34'55'6"-HpCB	35.05		1.1057	1.1059	+0.4	8.58E+06	1.04	0.89	357	1.60E+03	0.642
PCB-182 22'344'56"-HpCB	35.21		1.1112	1.1111	-0.2	4.69E+04	1.06	0.92	1.9	1.60E+03	0.622
PCB-183 22'344'5'6"-HpCB	35.56		1.1219	1.1221	+0.4	4.23E+06	1.06	0.92	170	1.60E+03	0.62
PCB-185 22'3455'6"-HpCB	35.63		1.1241	1.1243	+0.4	4.60E+05	1.12	0.88	19.4	1.60E+03	0.648
PCB-174 22'33'456"-HpCB	35.74		1.1276	1.1277	+0.2	6.31E+06	1.04	0.78	301	1.60E+03	0.736
PCB-177 22'33'45'6"-HpCB	36.11		1.1393	1.1394	+0.2	3.84E+06	1.04	0.74	193	1.60E+03	0.773
PCB-181 22'344'56"-HpCB	36.45		1.1501	1.1503	+0.4	1.25E+05	1.04	0.85	5.48	1.60E+03	0.676
PCB-171/173 ...-HpCB	36.64	C	1.1556	1.1562	+1.3	2.25E+06	1.05	0.77	109	1.60E+03	0.747
PCB-172 22'33'455"-HpCB	38.03		0.9003	0.9003	0	7.09E+05	1.09	0.51	27.7	1.60E+03	0.657
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.60E+03	0.508
PCB-180/193 ...-HpCB	38.57	C	0.9127	0.9132	+1.2	1.66E+07	1.04	0.84	392	1.60E+03	0.397
PCB-191 233'44'5'6"-HpCB	38.87		0.9203	0.9202	-0.2	3.72E+05	1.10	0.67	11	1.60E+03	0.497
PCB-170 22'33'44'5"-HpCB	39.61		0.9380	0.9378	-0.5	7.19E+06	1.05	0.70	205	1.60E+03	0.479
PCB-190 233'44'56"-HpCB	40.06		0.9486	0.9485	-0.2	1.61E+06	1.08	0.66	48.4	1.60E+03	0.504
PCB-202 22'33'55'66"-OoCB	36.23		1.0006	1.0006	0	8.25E+05	0.84	0.83	35.7	6.47E+02	0.313
PCB-201 22'33'45'66"-OoCB	37.01		1.0221	1.0220	-0.2	4.61E+05	0.85	0.94	17.6	6.47E+02	0.276

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.47E+02	0.286
PCB-197 22'33'44'66'-OcCB	37.75		1.0431	1.0427	-0.9	9.63E+04	0.83	1.00	3.44	6.47E+02	0.258
PCB-200 22'33'4566'-OcCB	37.84		1.0451	1.0450	-0.2	3.90E+05	0.82	0.88	15.9	6.47E+02	0.295
PCB-198/199 ...-OcCB	40.23	C	1.1102	1.1110	+1.9	2.91E+06	0.90	0.58	179	6.47E+02	0.443
PCB-196 22'33'44'56'-OcCB	40.78		1.1260	1.1262	+0.5	1.14E+06	0.92	0.60	68.4	6.47E+02	0.431
PCB-203 22'344'55'6-OcCB	40.94		1.1306	1.1308	+0.5	1.98E+06	0.85	0.63	112	6.47E+02	0.408
PCB-195 22'33'44'56-OcCB	42.04		0.9469	0.9467	-0.5	9.08E+05	0.94	0.74	40.4	1.47E+03	0.717
PCB-194 22'33'44'55'-OcCB	44.03		0.9915	0.9915	0	2.90E+06	0.92	0.82	115	1.47E+03	0.64
PCB-205 233'44'55'6-OcCB	44.43		1.0004	1.0004	0	1.48E+05	0.90	1.09	4.43	1.47E+03	0.483
PCB-208 22'33'455'66'-NoCB	41.86		1.0005	1.0005	0	6.40E+05	0.75	0.98	25.2	9.99E+02	0.478
PCB-207 22'33'44'566'-NoCB	42.64		1.0192	1.0192	0	2.70E+05	0.80	1.01	10.3	9.99E+02	0.464
PCB-206 22'33'44'55'6-NoCB	45.90		1.0004	1.0003	-0.3	1.59E+06	0.79	0.93	79.9	9.99E+02	0.676

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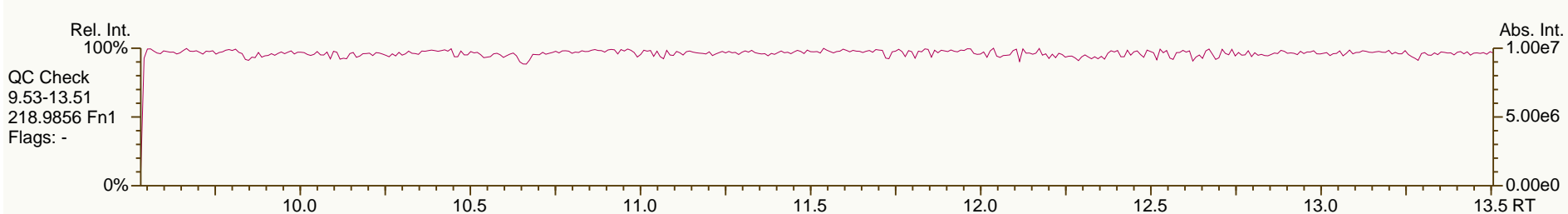
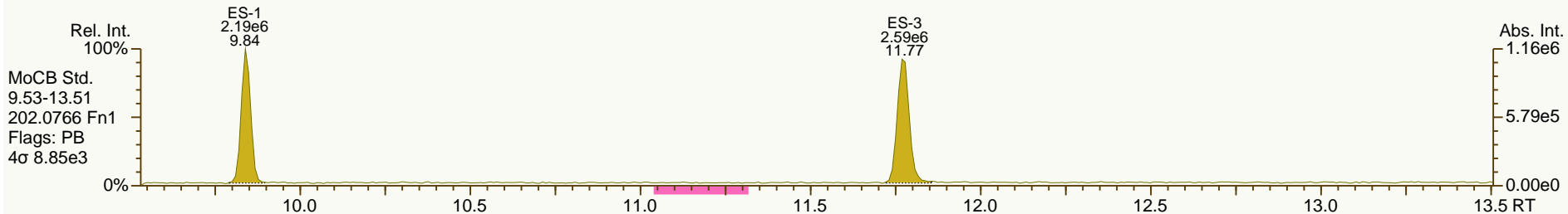
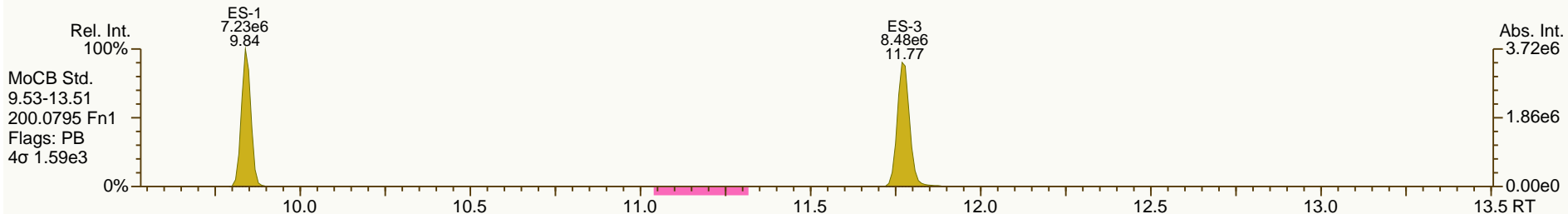
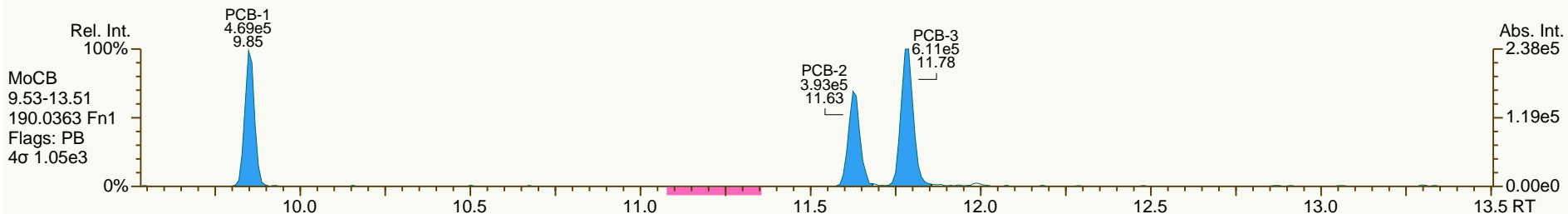
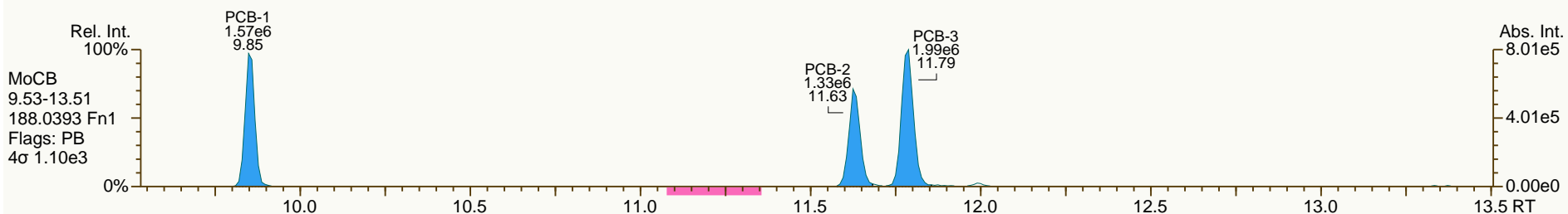
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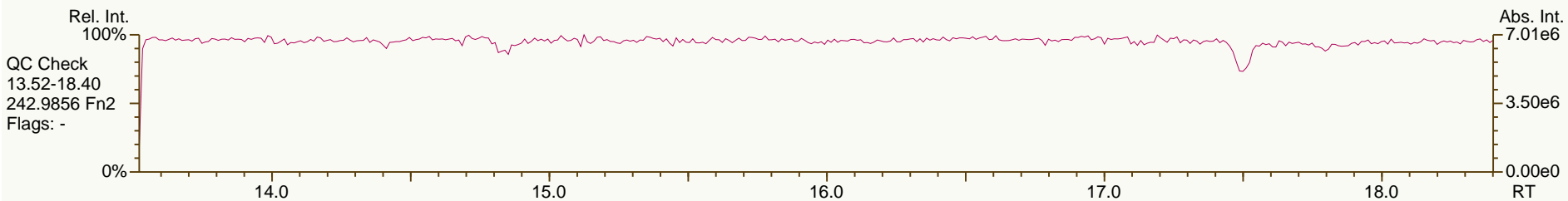
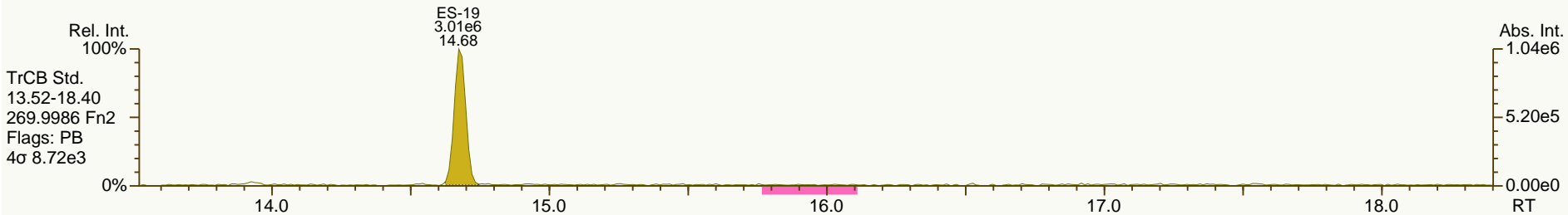
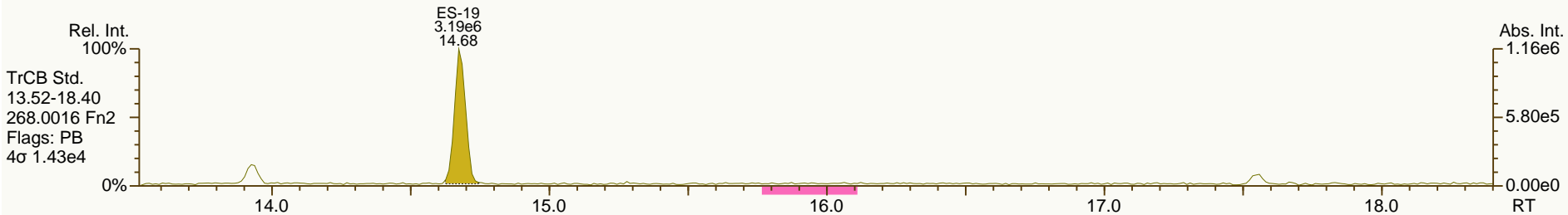
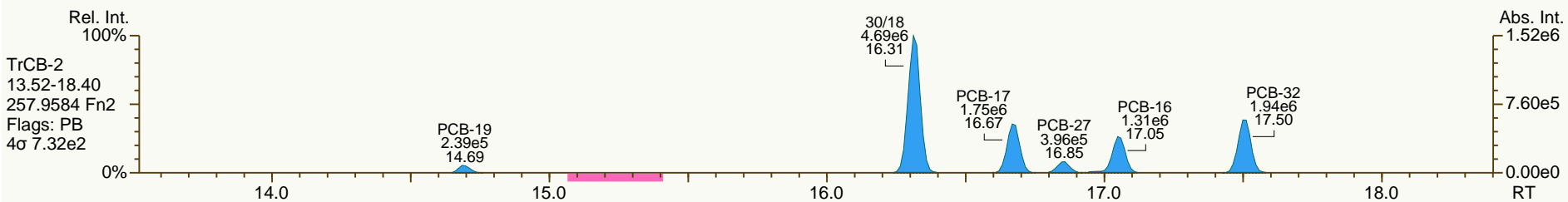
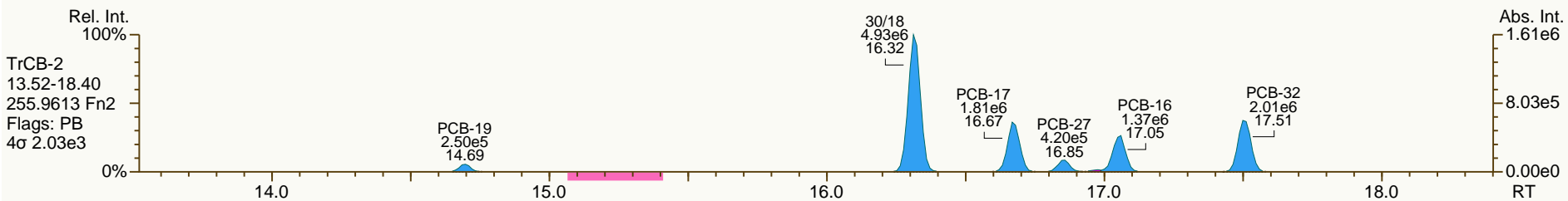
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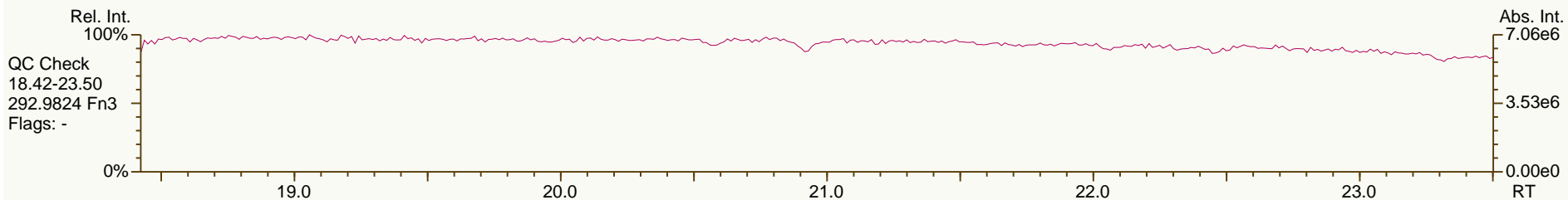
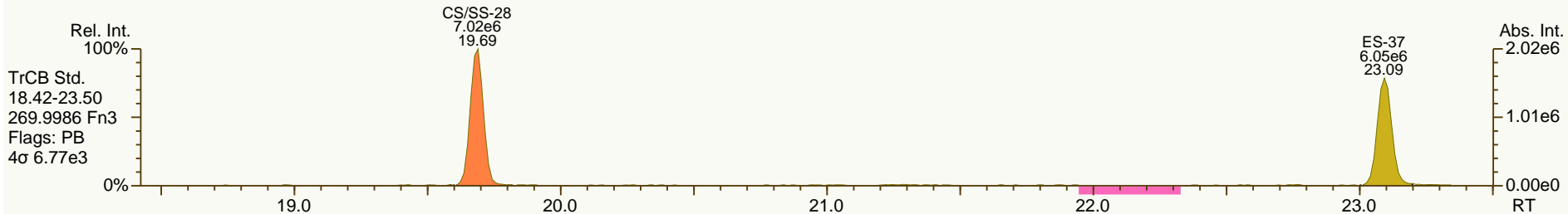
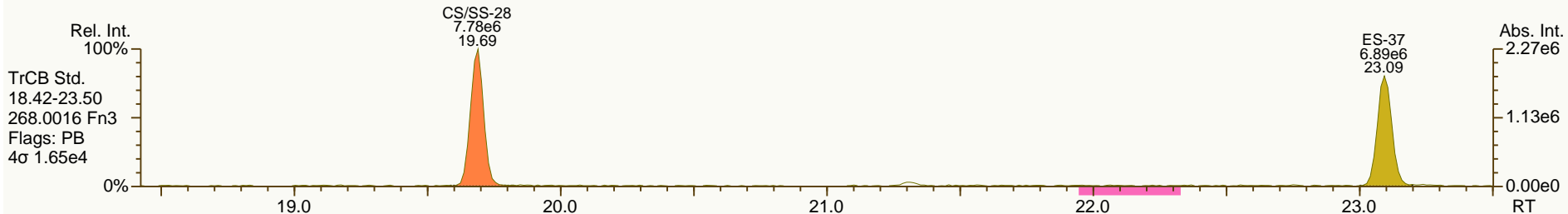
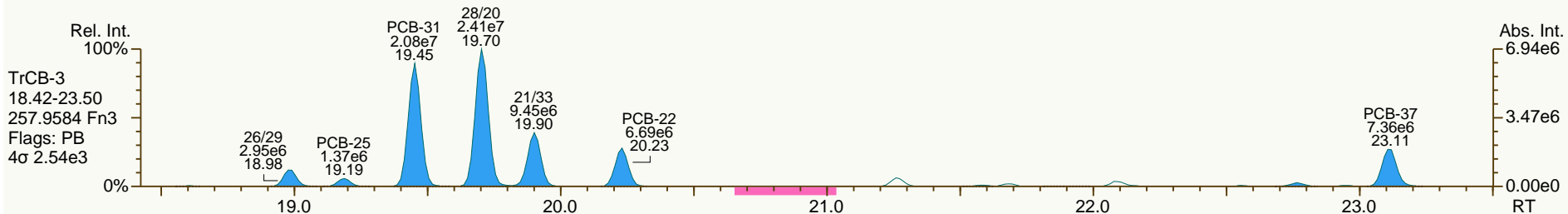
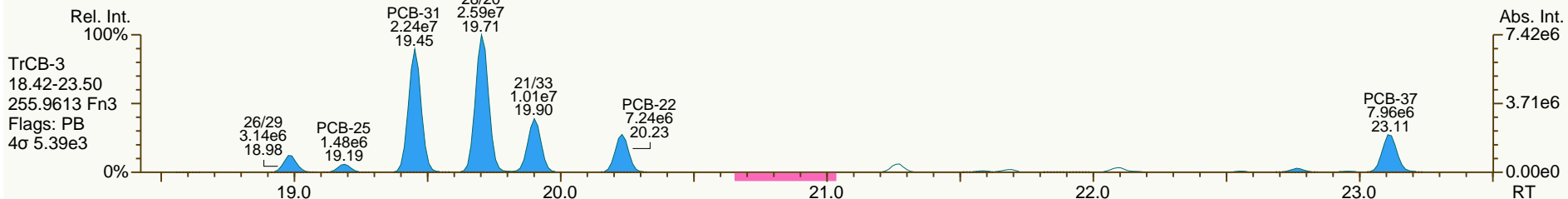
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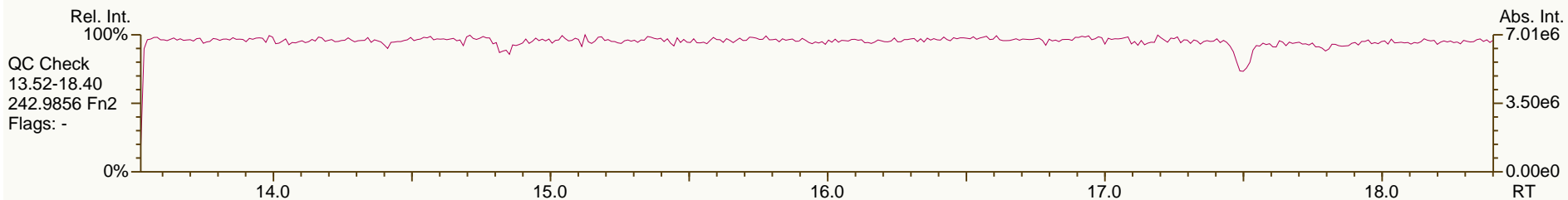
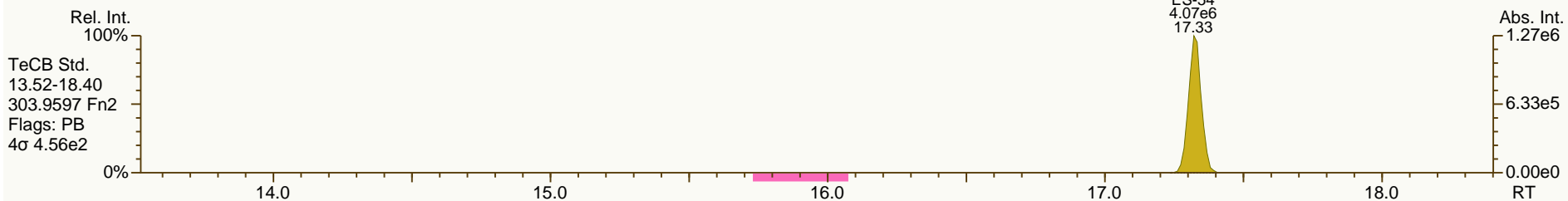
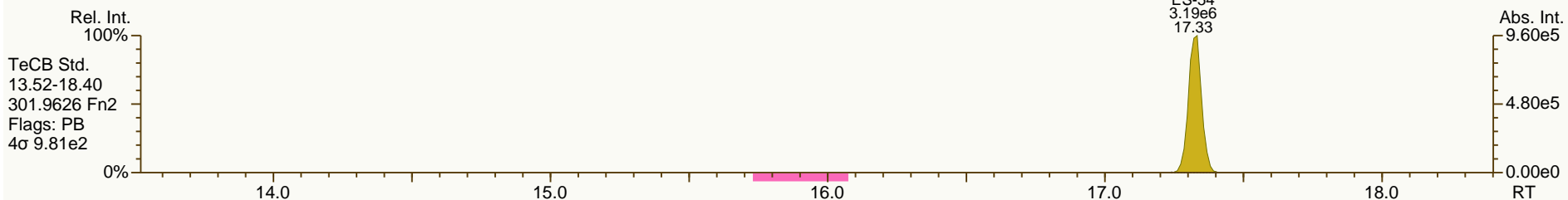
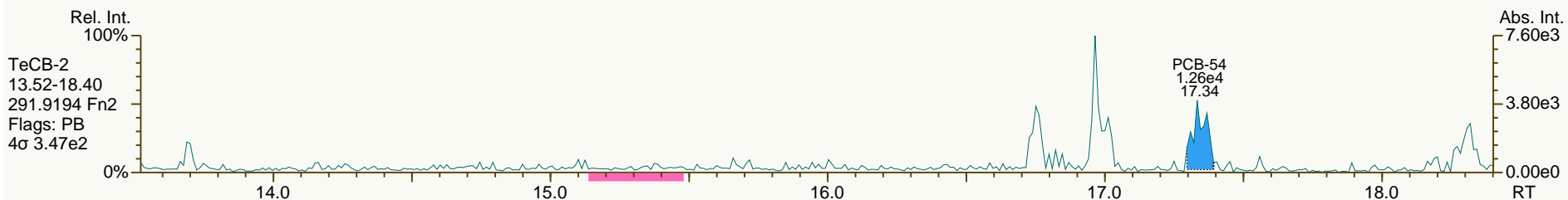
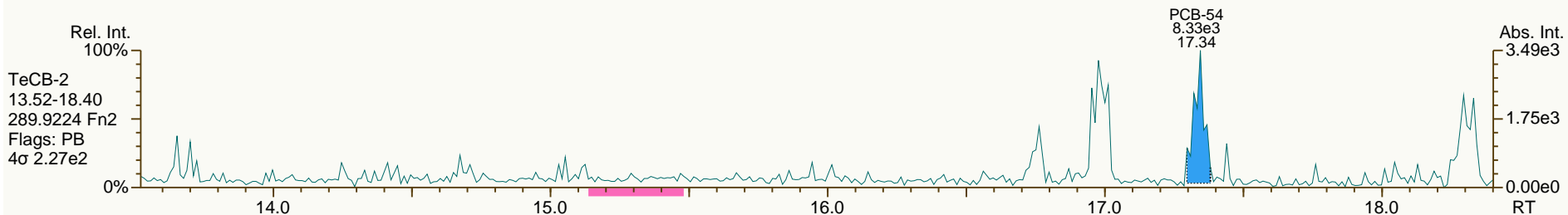
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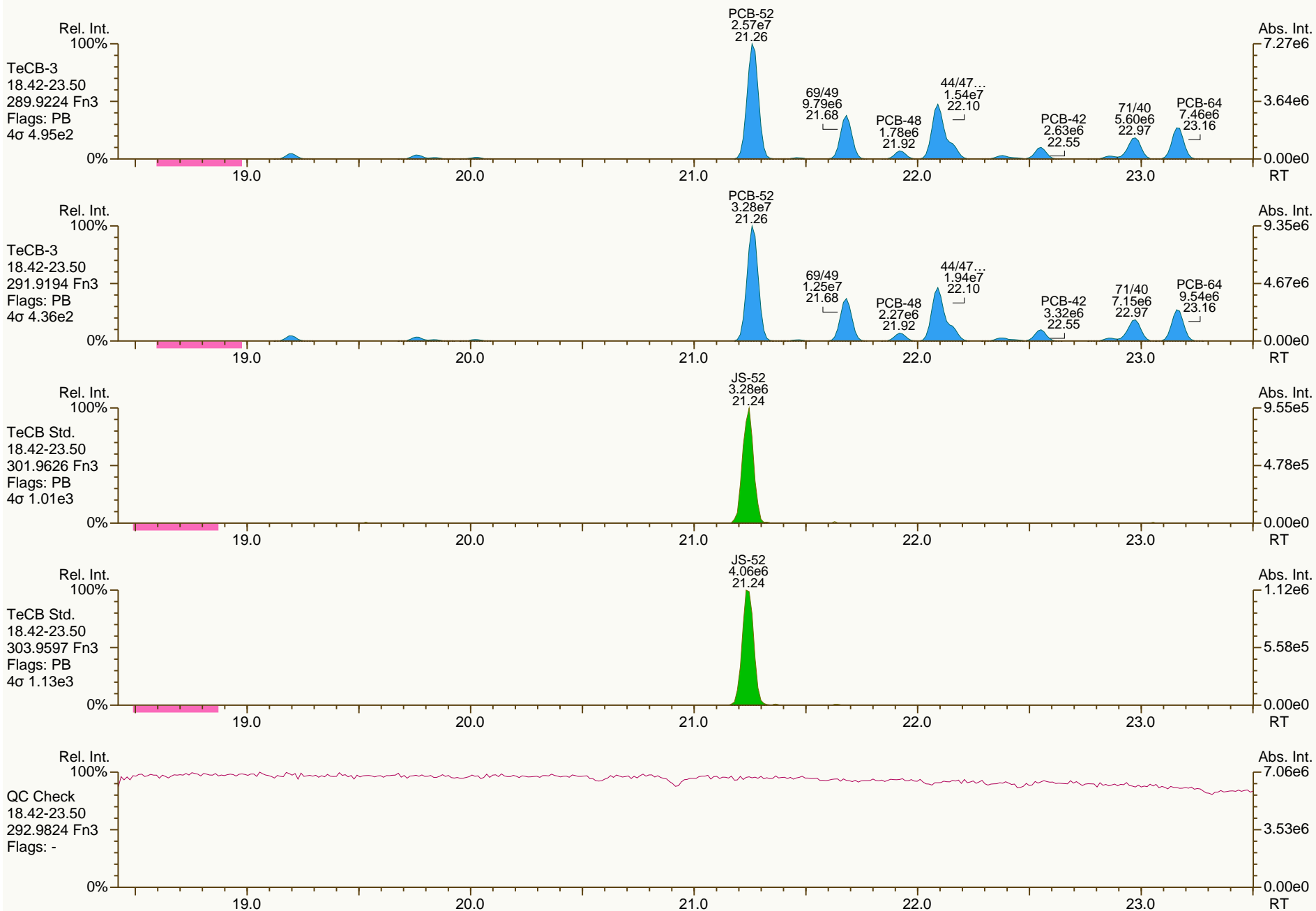
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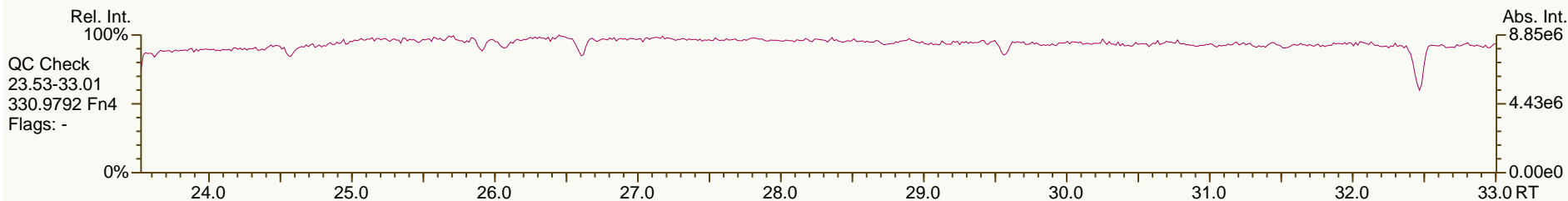
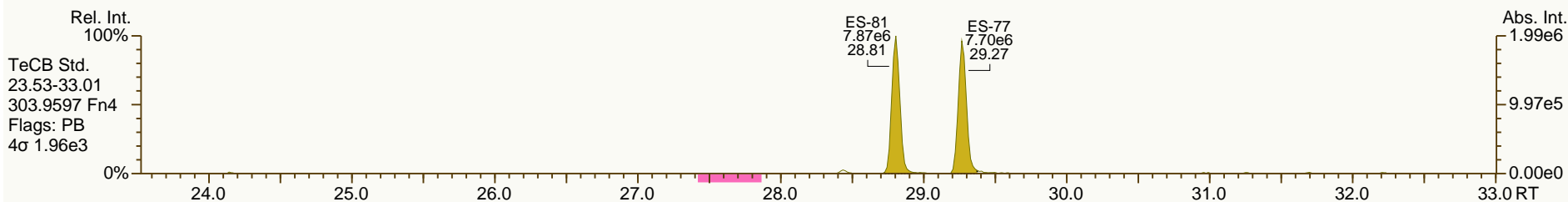
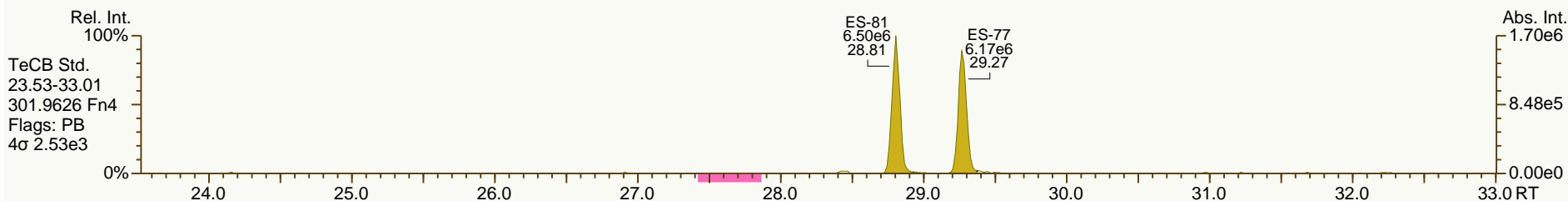
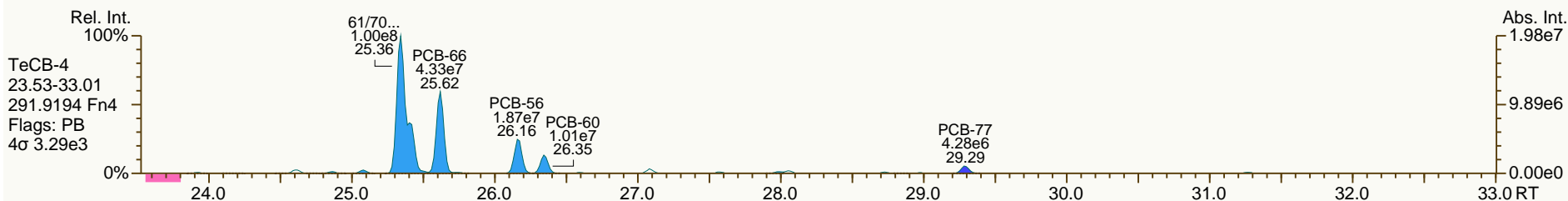
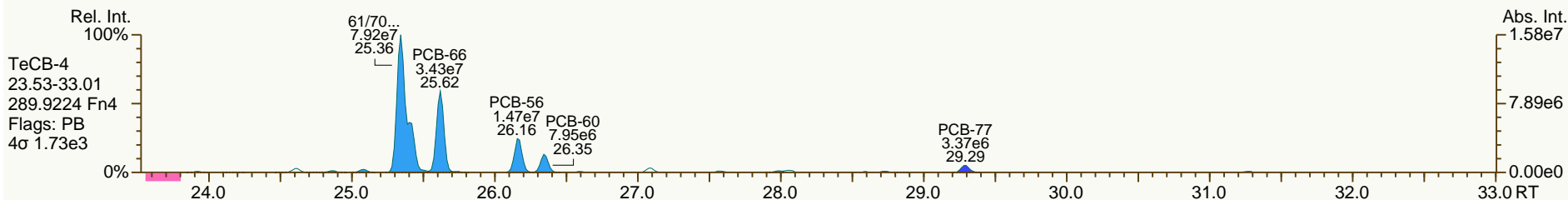
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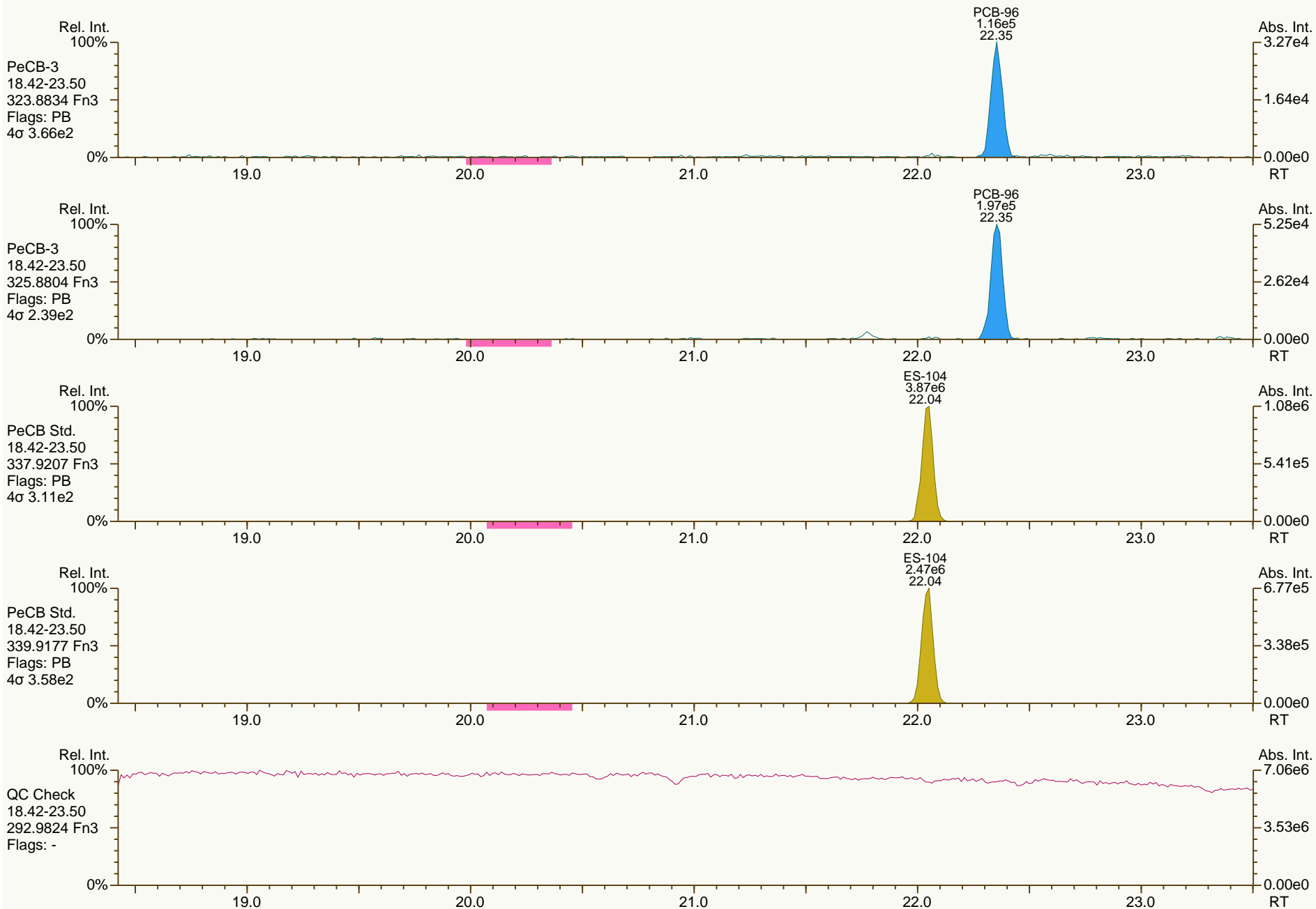
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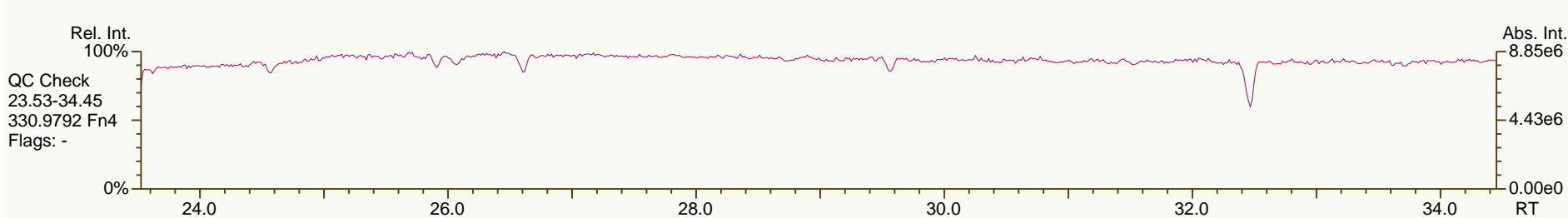
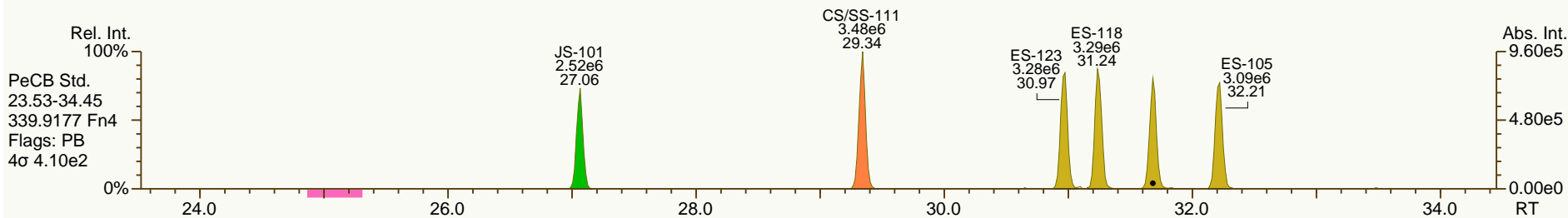
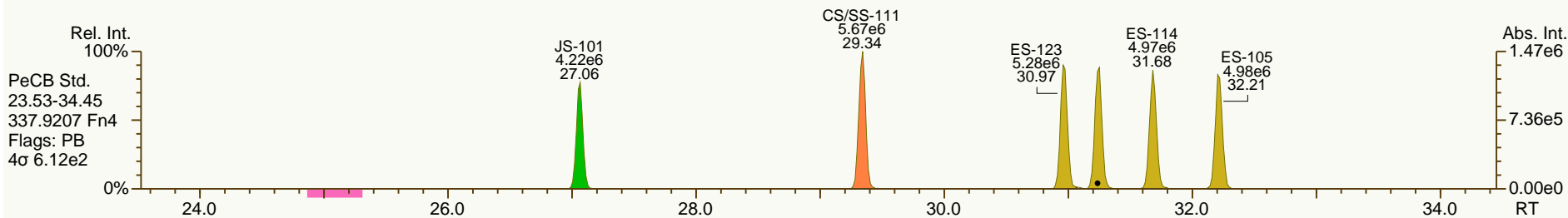
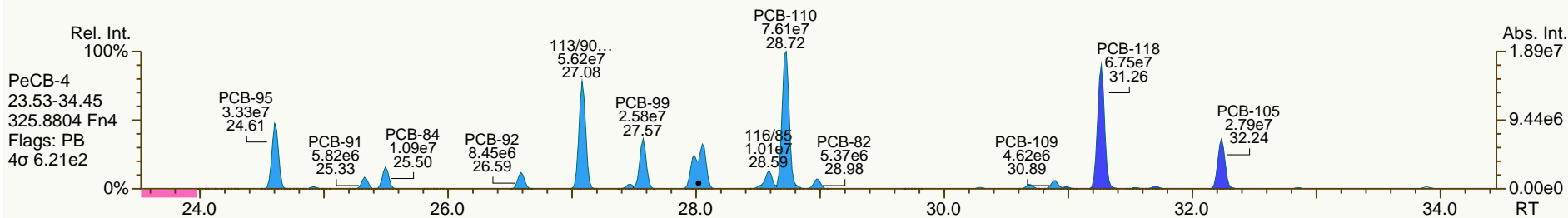
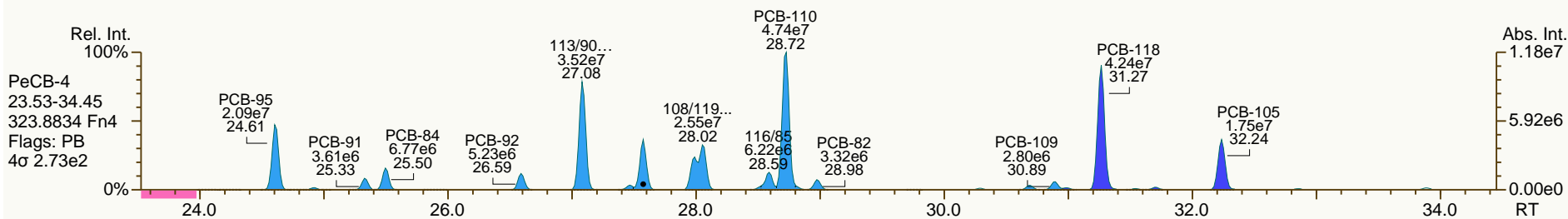
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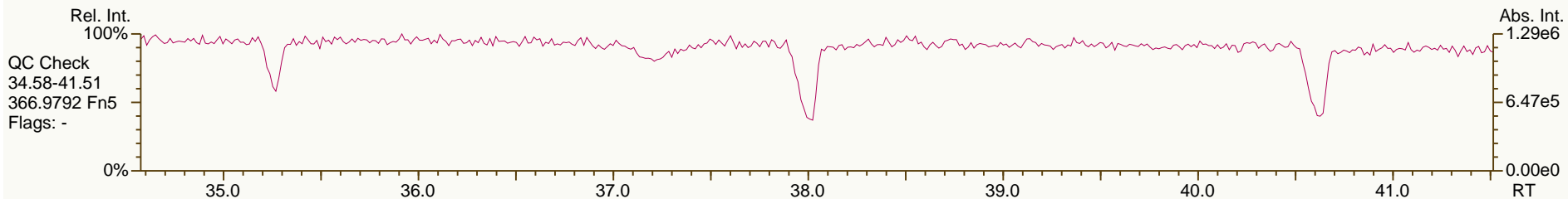
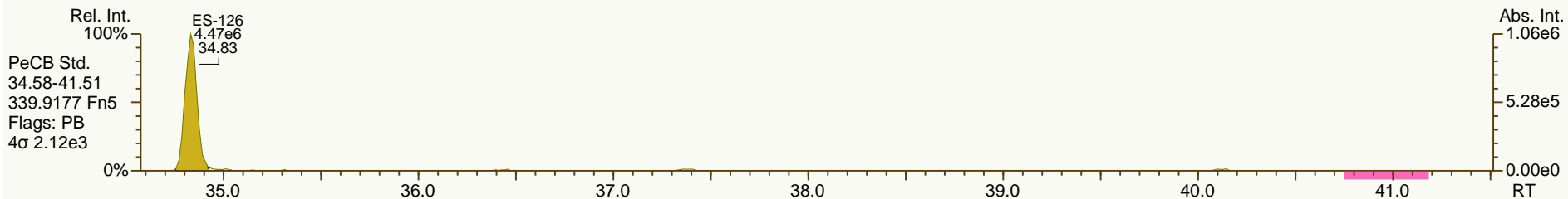
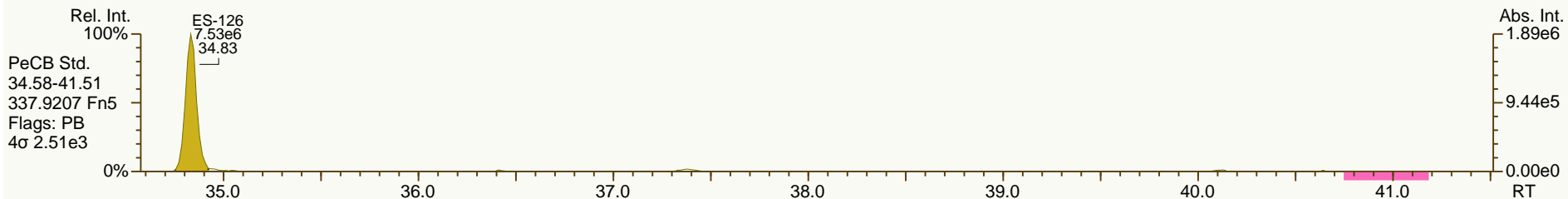
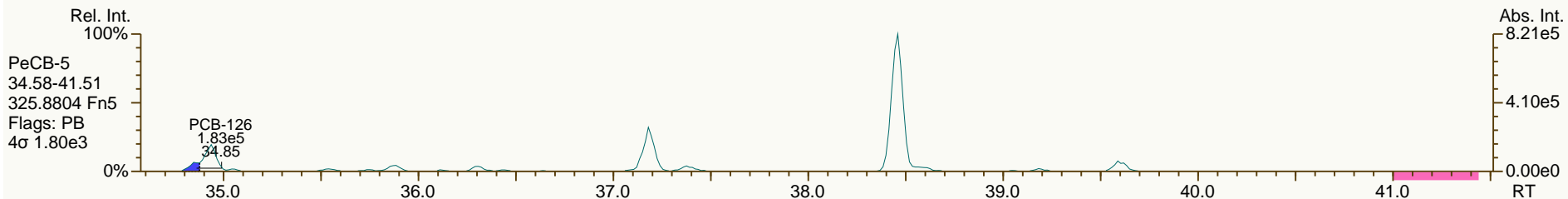
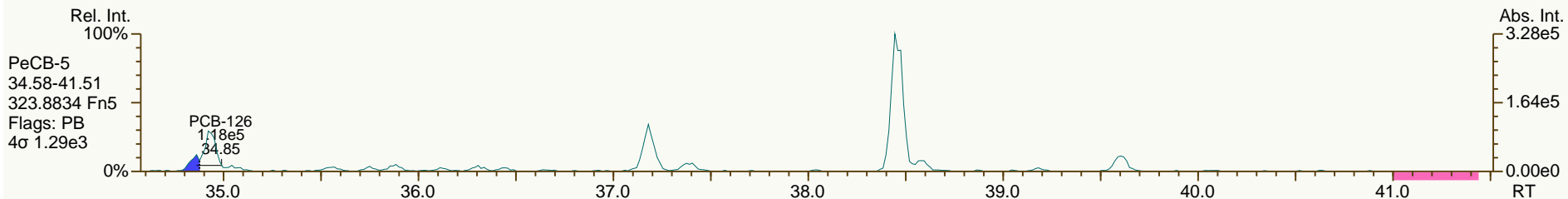
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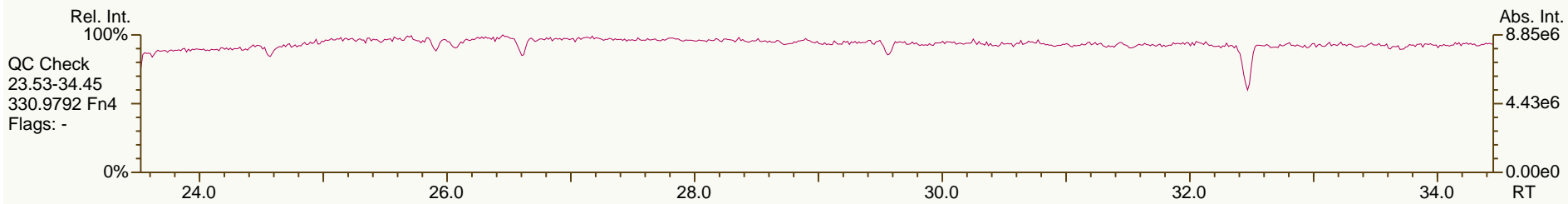
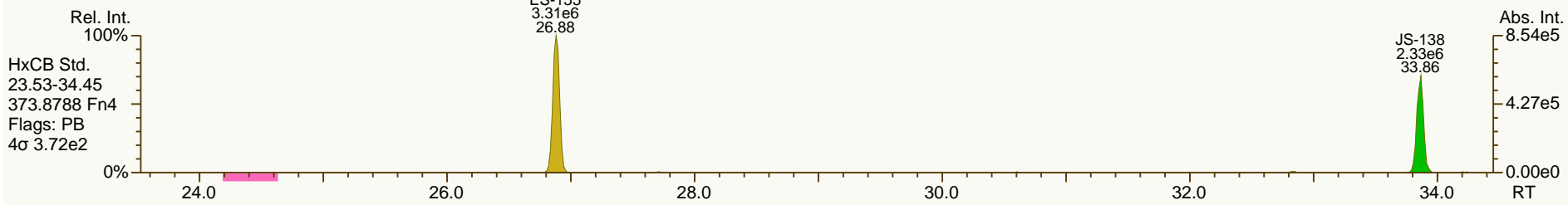
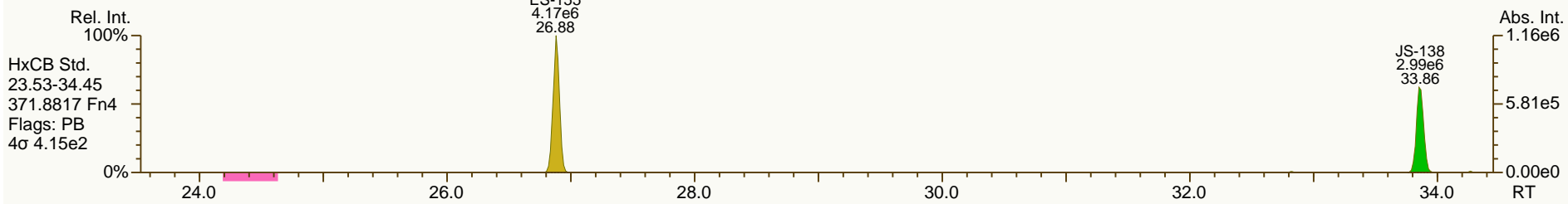
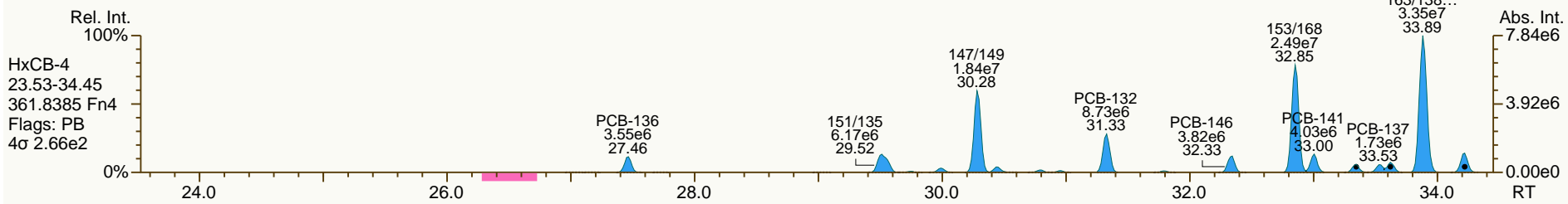
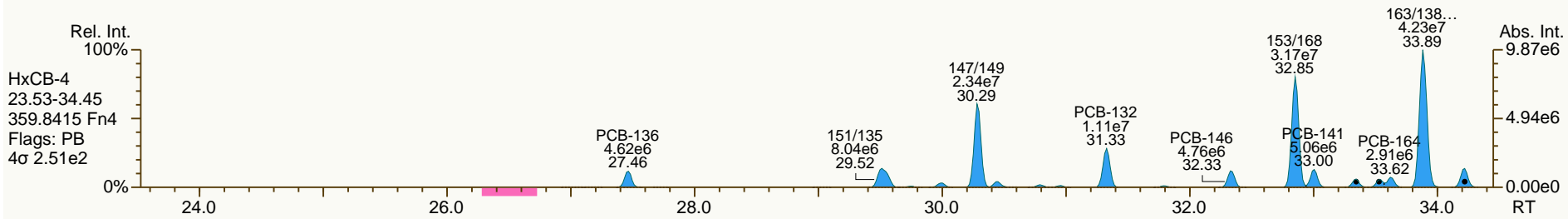
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

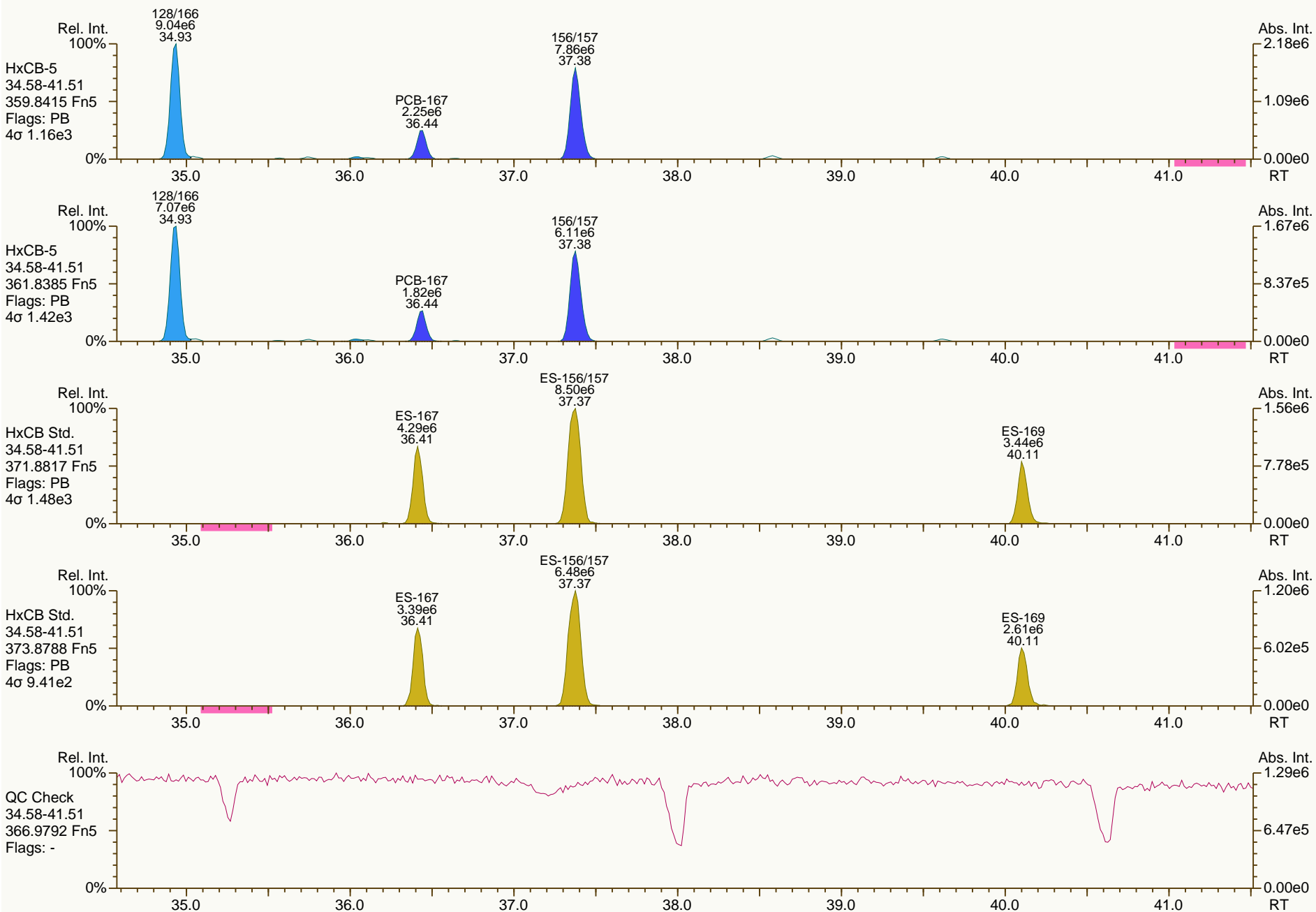
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AP Lab ID: A4371_9893_PCB_007-RJ
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Sample ID: JW-EA09-COMP-120507
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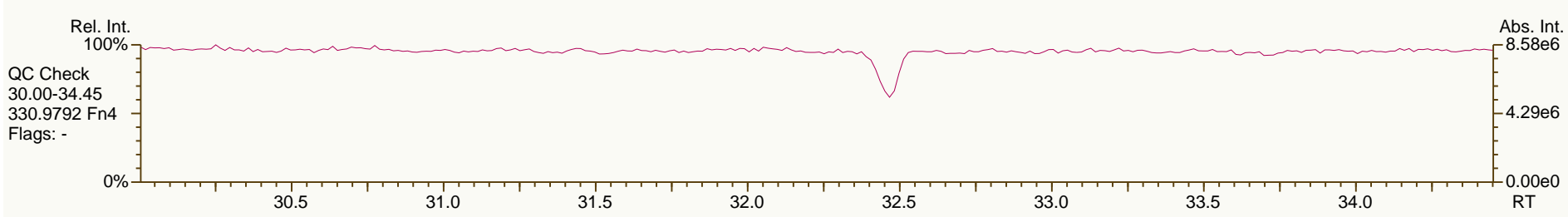
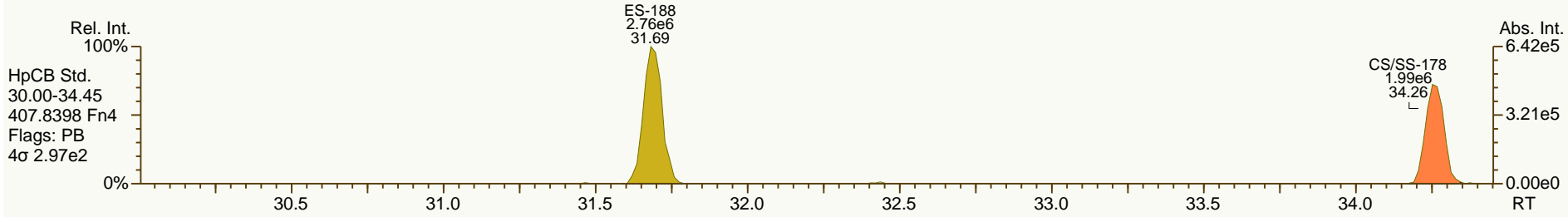
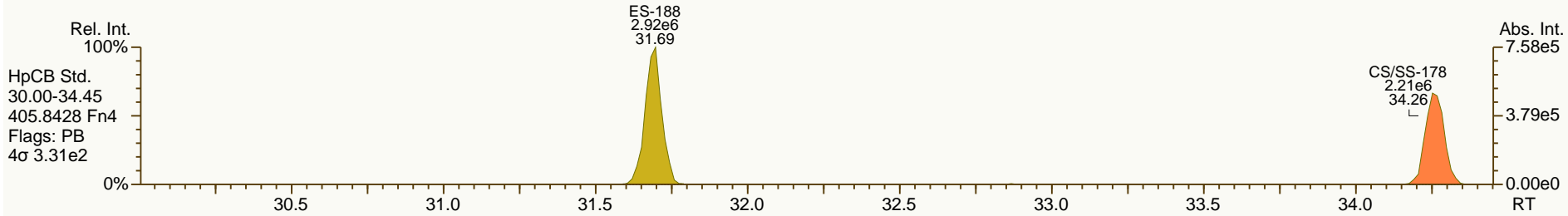
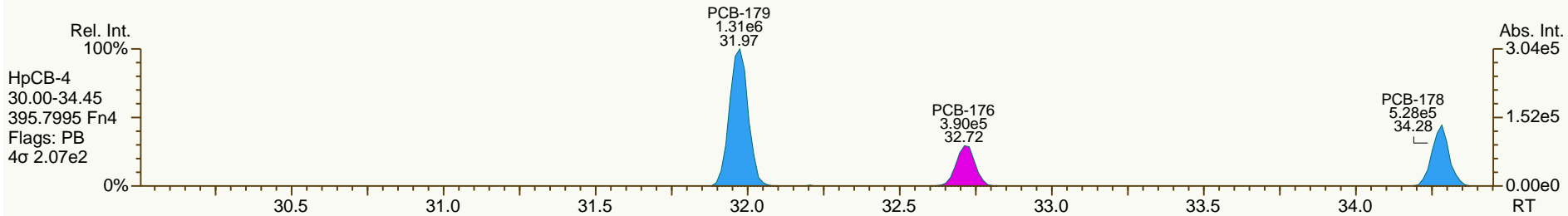
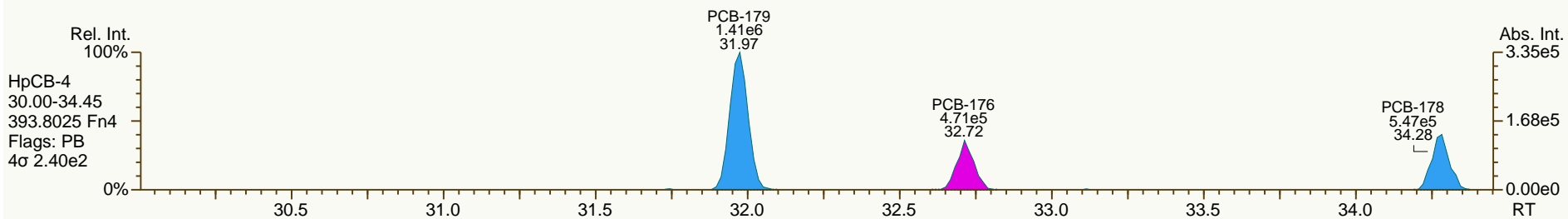
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

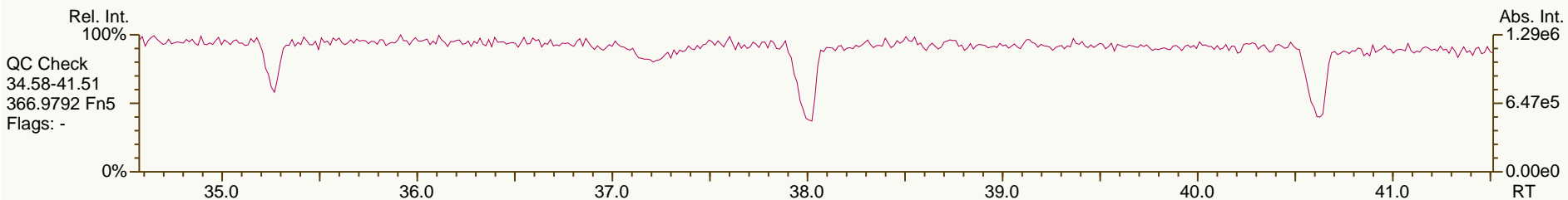
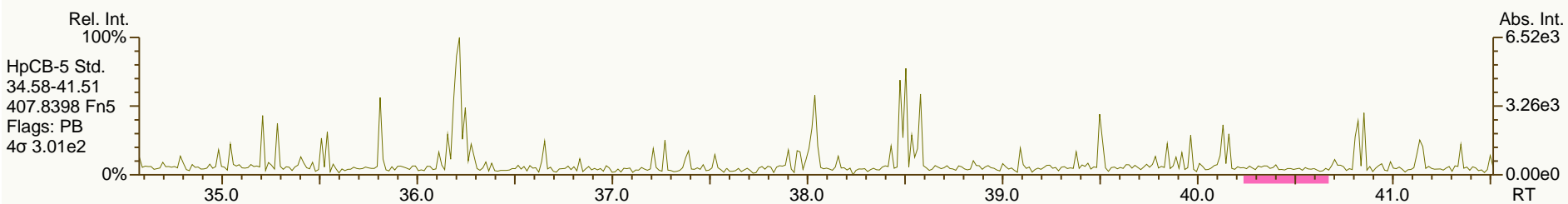
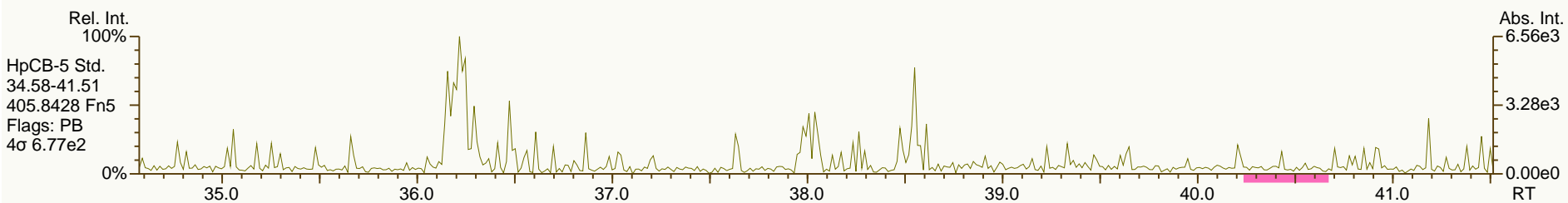
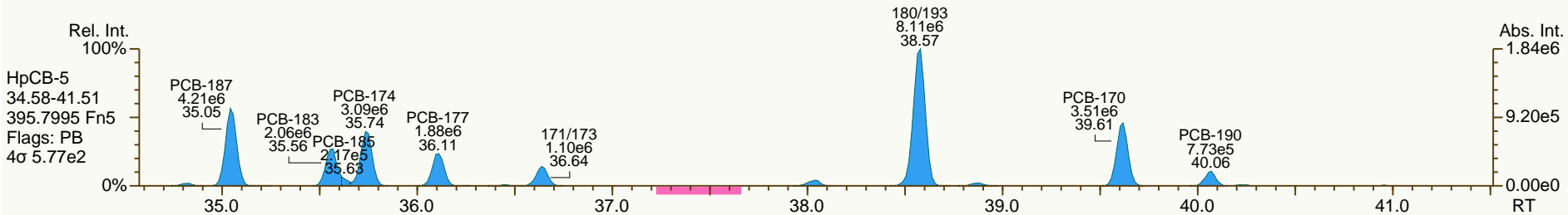
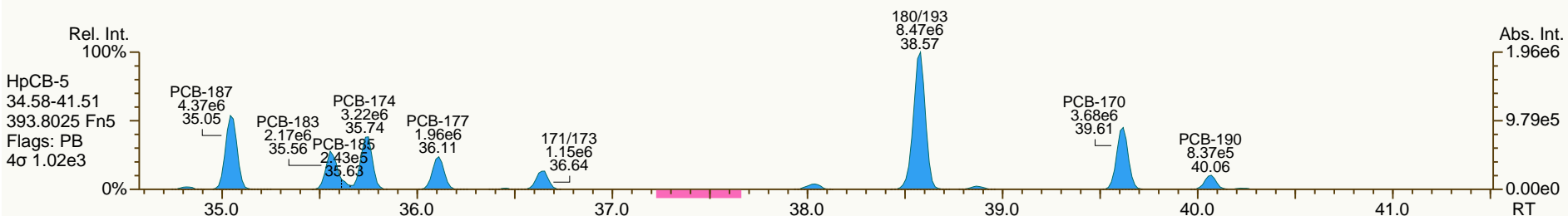
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

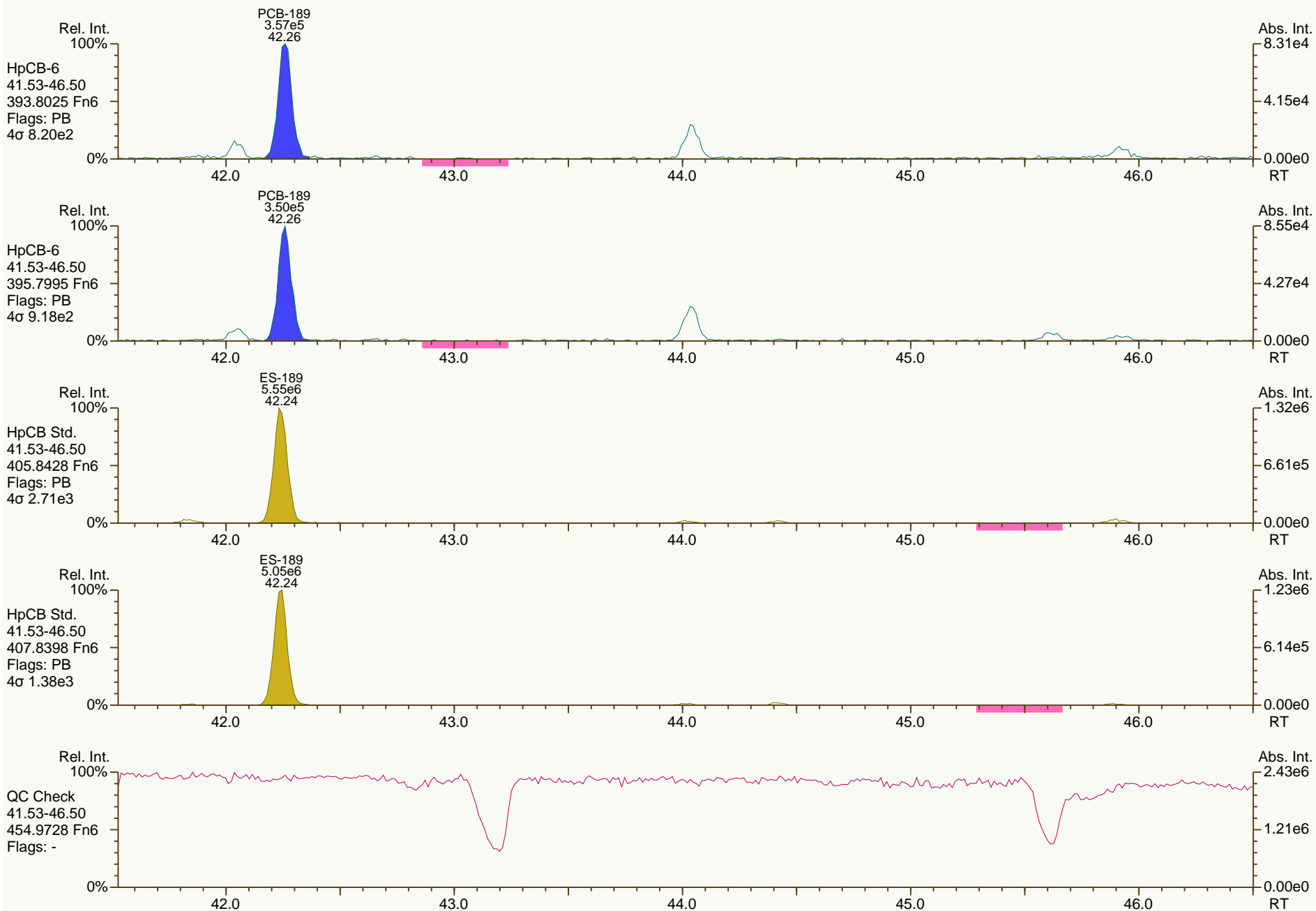
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AP Lab ID: A4371_9893_PCB_007-RJ
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Sample ID: JW-EA09-COMP-120507
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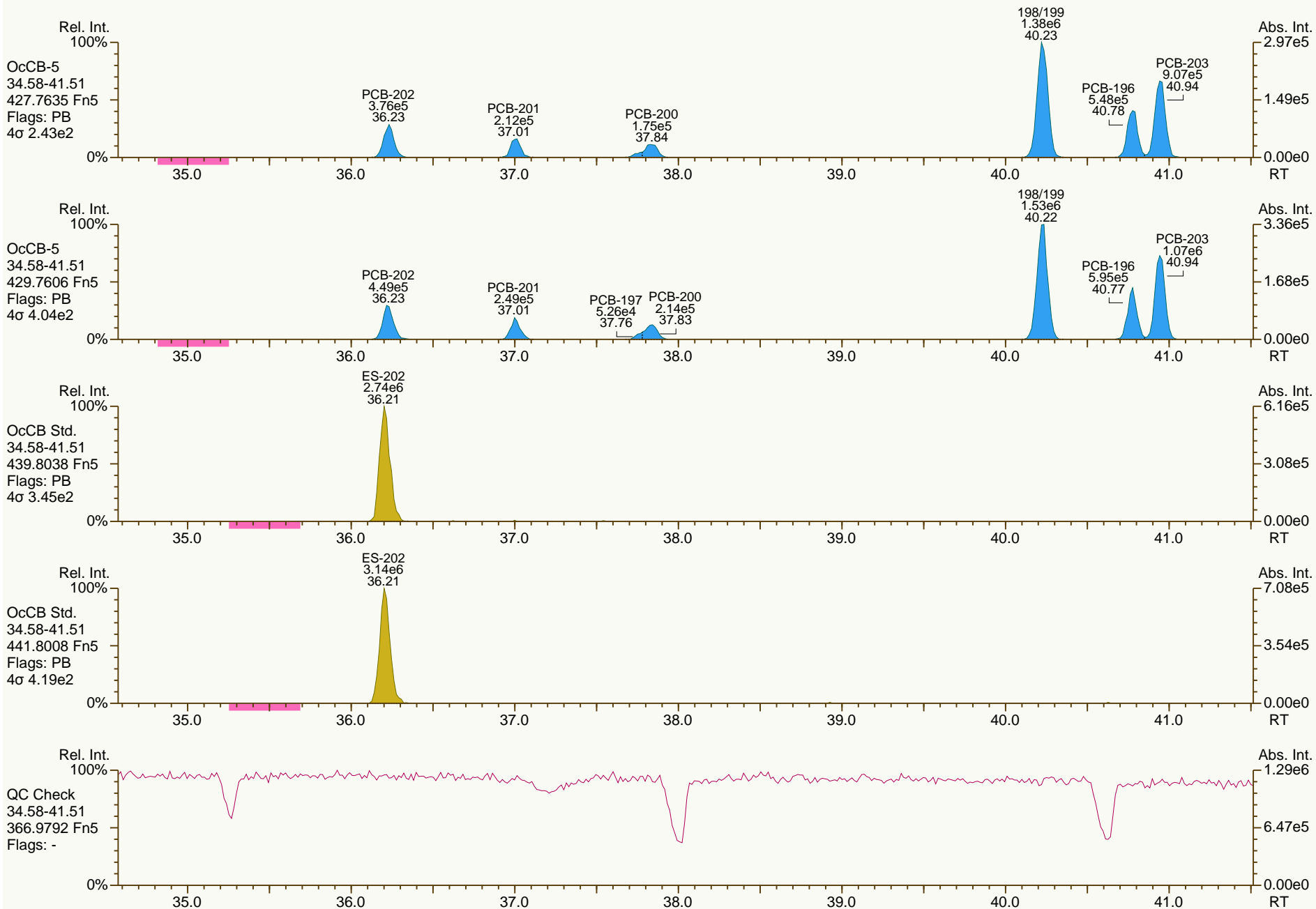
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
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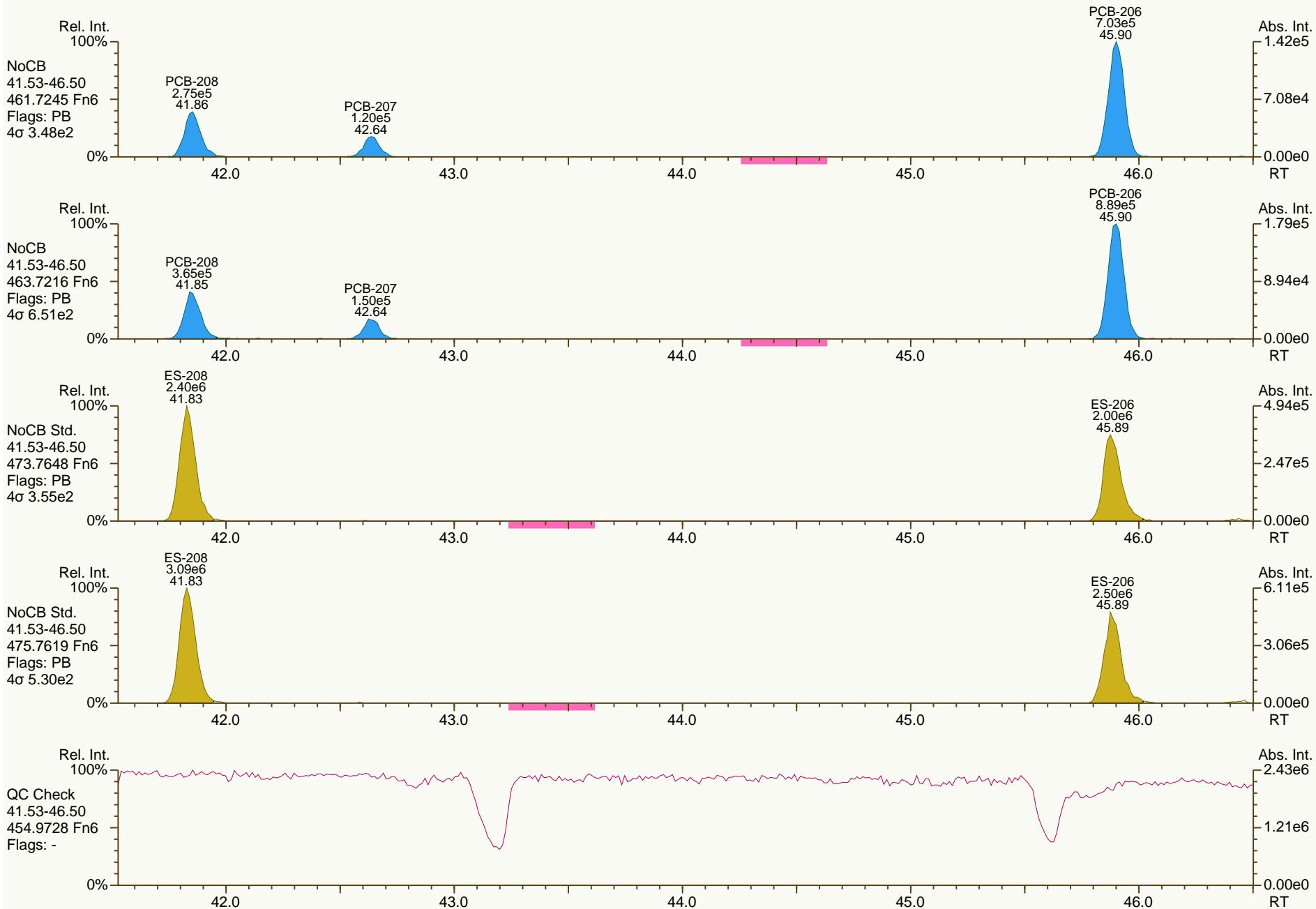
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
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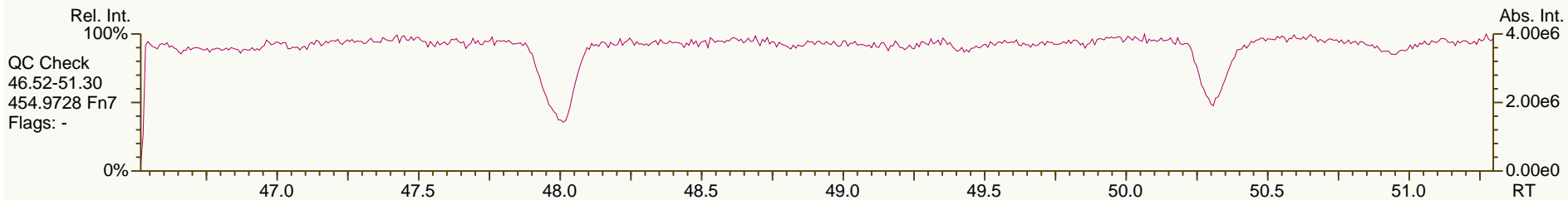
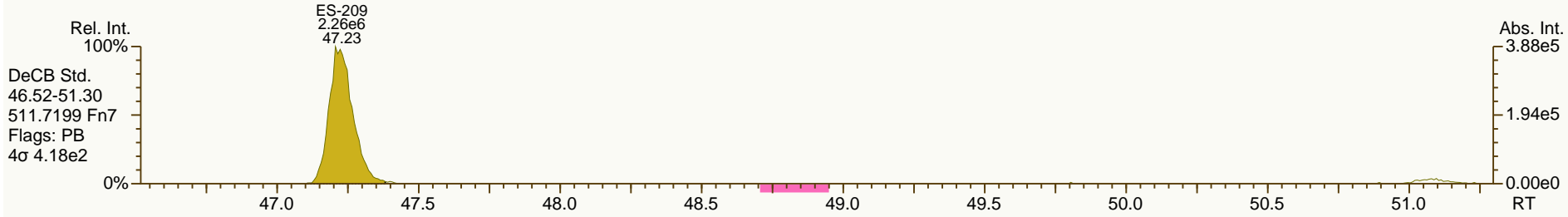
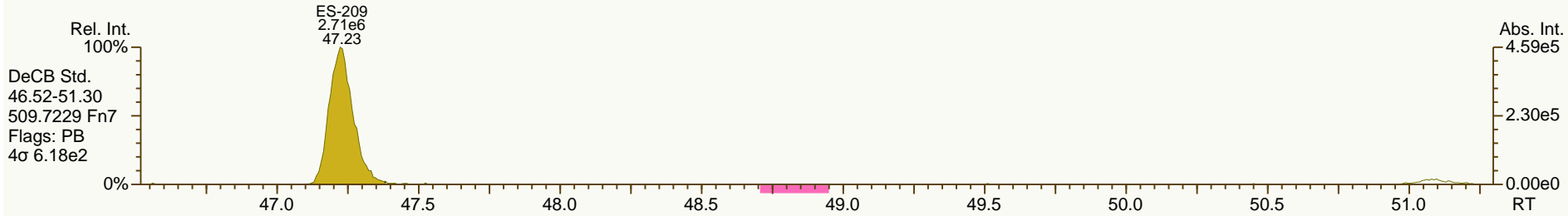
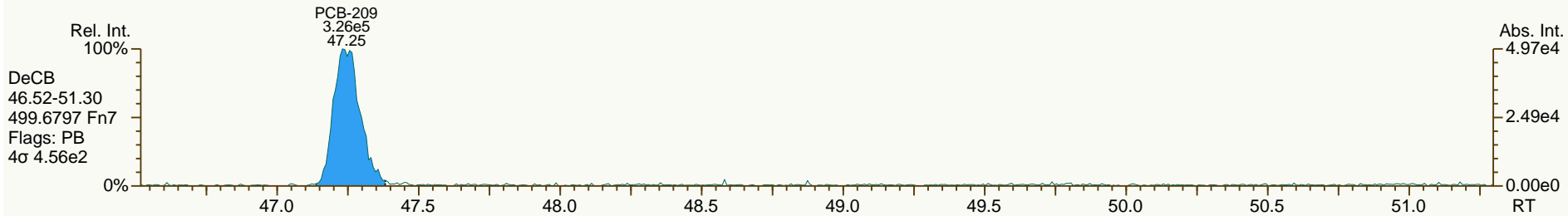
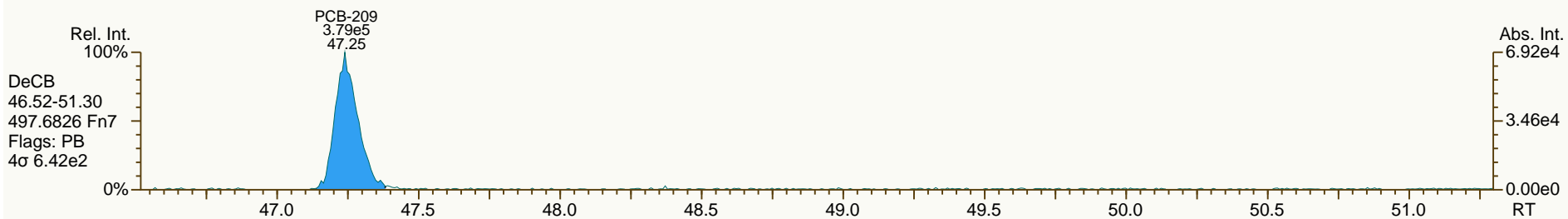
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

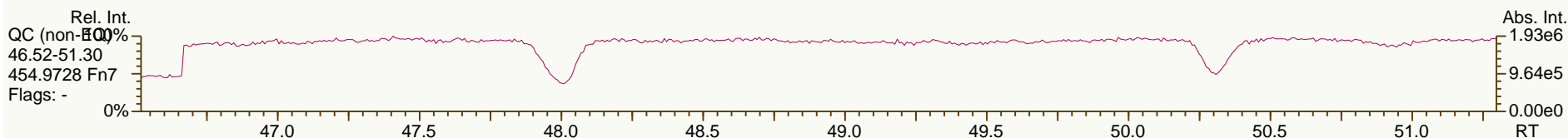
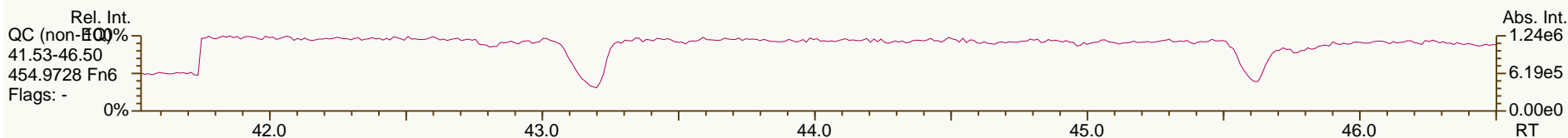
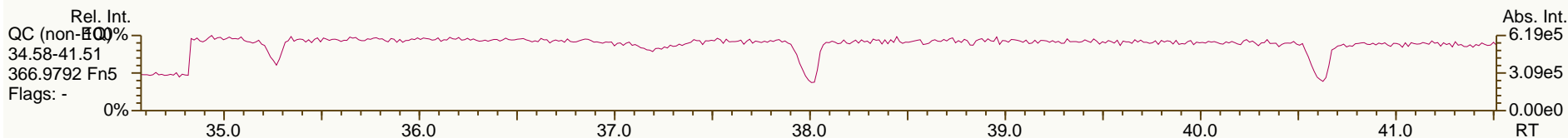
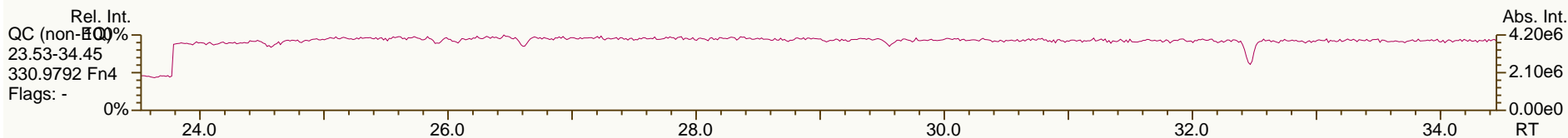
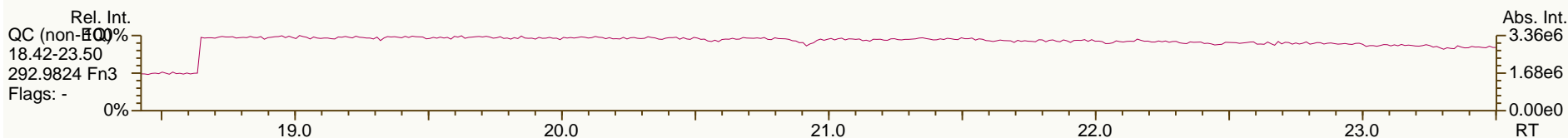
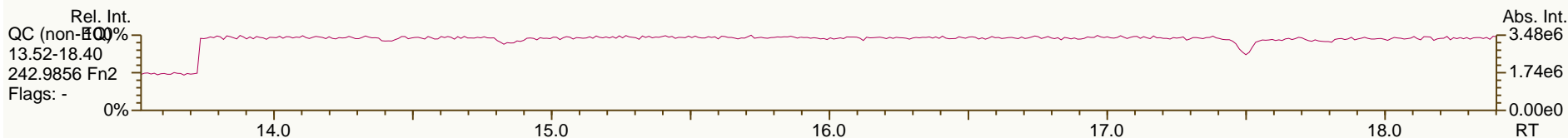
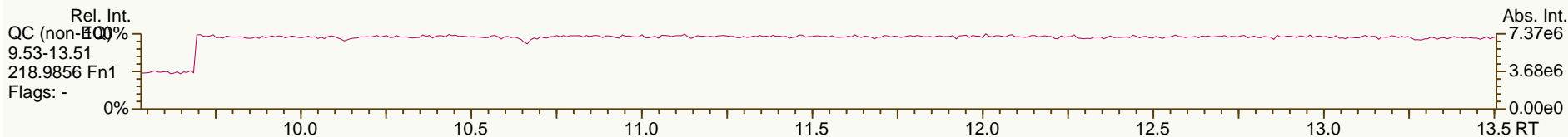
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AP Lab ID: A4371_9893_PCB_007-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-EA09-COMP-120507
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 37

Acq: 05-Jul-2012 23:02:26
 User: LKB Datafile: 120705S13



Lab ID: A4371_9893_PCB_008-RJ

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Checkcode: 290-629-QXF

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Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0007	+0.2	2.32E+05	0.73	1.22	6.72	1.96E+03	0.583
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.96E+03	0.602
PCB-105 233'44'-PeCB	32.23		1.0007	1.0007	0	9.31E+05	0.62	1.03	52.1	9.39E+02	0.495
PCB-114 2344'5'-PeCB	31.69	EMPC	1.0007	1.0006	-0.2	3.95E+04	0.74	1.10	2.17	9.39E+02	0.531
PCB-118 23'44'5'-PeCB	31.26		1.0008	1.0008	0	2.42E+06	0.59	1.03	128	9.39E+02	0.498
PCB-123 23'44'5'-PeCB	30.98		1.0007	1.0008	+0.2	4.15E+04	0.56	0.93	2.5	9.39E+02	0.558
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.41E+03	0.494
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0002	-0.7	3.25E+05	1.43	1.05	20.8	1.07E+03	0.864
PCB-167 23'44'55'-HxCB	36.42		1.0006	1.0006	0	1.23E+05	1.40	1.08	7.01	1.07E+03	0.609
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.07E+03	0.898
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	3.30E+04	1.10	1.11	1.28	1.22E+03	0.498
PCB-209 DeCB	47.22		1.0004	1.0003	-0.3	1.31E+05	1.19	1.05	11.3	1.11E+03	1.5
ES PCB-1	9.85		0.7181	0.7175	-0.4	2.47E+06	3.43	1.01	33.6 %	4%	100%
ES PCB-3	11.78		0.8583	0.8583	0	2.90E+06	3.42	1.05	38 %	11%	106%
ES PCB-4	11.98		0.8732	0.8729	-0.2	1.68E+06	1.61	0.70	33.1 %	14%	107%
ES PCB-15	17.10		1.2453	1.2458	+0.5	5.65E+06	1.67	1.17	66.6 %	19%	107%
ES PCB-19	14.68		1.0698	1.0696	-0.2	1.97E+06	1.08	0.57	47.8 %	1%	108%
ES PCB-37	23.09		1.0865	1.0870	+0.7	4.74E+06	1.11	1.41	120 %	25%	123%
ES PCB-54	17.32		0.8157	0.8156	-0.1	2.91E+06	0.75	1.32	78.5 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3778	+0.2	5.45E+06	0.87	1.22	160 %	31%	109%
ES PCB-81	28.80	V	1.3557	1.3558	+0.2	5.46E+06	0.77	1.15	169 %	14%	127%
ES PCB-104	22.04		0.8147	0.8148	+0.1	2.31E+06	1.61	1.69	50 %	36%	115%
ES PCB-105	32.20		1.1906	1.1905	-0.2	3.36E+06	1.61	1.21	102 %	50%	111%
ES PCB-114	31.67		1.1709	1.1709	0	3.21E+06	1.71	1.23	95 %	41%	121%
ES PCB-118	31.23		1.1547	1.1546	-0.2	3.52E+06	1.65	1.25	103 %	49%	111%
ES PCB-123	30.95		1.1444	1.1443	-0.2	3.47E+06	1.73	1.33	95.5 %	49%	116%
ES PCB-126	34.82	V	1.2871	1.2872	+0.2	4.90E+06	1.67	1.36	132 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	2.81E+06	1.32	1.40	90.2 %	25%	124%
ES PCB-156/157	37.35		1.1035	1.1036	+0.2	5.79E+06	1.27	1.13	115 %	40%	120%
ES PCB-167	36.40	V	1.0753	1.0754	+0.2	3.13E+06	1.34	1.13	125 %	45%	118%
ES PCB-169	40.09		1.1842	1.1844	+0.5	2.30E+06	1.32	1.14	91.1 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.68		0.7204	0.7203	-0.2	2.29E+06	1.00	1.34	77.2 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9597	-0.3	4.49E+06	1.04	1.77	128 %	47%	116%
ES PCB-202	36.19		0.8230	0.8229	-0.2	2.46E+06	0.92	1.27	87.5 %	31%	134%
ES PCB-205	44.38		1.0090	1.0090	0	2.72E+06	0.92	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0423	-0.3	1.67E+06	0.76	1.07	78.5 %	38%	122%
ES PCB-208	41.81		0.9508	0.9507	-0.3	2.45E+06	0.78	1.34	91.8 %	31%	126%
ES PCB-209	47.20		1.0732	1.0731	-0.3	2.13E+06	1.17	1.18	90.1 %	43%	115%
CS/SS PCB-28	19.69		0.9269	0.9270	+0.1	5.56E+06	1.12	0.98	120 %	14%	131%
CS/SS PCB-111	29.33	V	1.0843	1.0842	-0.2	3.71E+06	1.66	0.90	119 %	57%	112%
CS/SS PCB-178	34.25		1.0118	1.0118	0	1.83E+06	0.96	0.65	123 %	57%	125%
CS PCB-28	19.69	V	0.9269	0.9270	+0.1	5.56E+06	1.12	1.39	143 %	14%	131%
CS PCB-111	29.33	V	1.0843	1.0842	-0.2	3.71E+06	1.66	1.19	114 %	57%	112%
CS PCB-178	34.25		1.0118	1.0118	0	1.83E+06	0.96	0.87	95.1 %	57%	125%
JS PCB-9	13.73					7.25E+06	1.69				
JS PCB-52	21.24					2.80E+06	0.78				
JS PCB-101	27.05					2.74E+06	1.59				
JS PCB-138	33.85					2.21E+06	1.21				
JS PCB-194	43.98					1.99E+06	0.93				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	17.6	17.6	0.607		
						Di-CBs	59.5	59.5	2.8		
						Tri-CBs	223	226	1.72		
						Tetra-CBs	448	453	0.475		
						Penta-CBs	899	903	0.516		
						Hexa-CBs	841	844	0.707		
						Hepta-CBs	252	260	0.855		
						Octa-CBs	96.7	96.7	1.08		
						Nona-CBs	22.7	22.7	1.55		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	1.07E+05	3.10	1.20	6.97	1.79E+03	0.557
PCB-2 3-MoCB	11.64		0.9878	0.9877	-0.1	6.11E+04	3.25	1.39	2.92	1.79E+03	0.533
PCB-3 4-MoCB	11.79		1.0010	1.0010	0	1.30E+05	3.02	1.13	7.69	1.79E+03	0.657
PCB-4 22'-DiCB	11.99		1.0012	1.0012	0	4.08E+04	SI	0.94	4.98	3.22E+03	2.38
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	9.24E+03	4.13
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.93	ND	1.16E+04	3.47
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.10	ND	1.16E+04	2.94
PCB-6 23'-DiCB	14.08		1.0261	1.0262	+0.1	9.16E+04	SI	1.01	3.1	3.43E+03	0.95
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		1.02	ND	1.16E+04	3.18
PCB-8 24'-DiCB	14.46	B	1.0533	1.0534	+0.1	3.96E+05	1.79	1.05	12.9	1.16E+04	3.09
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.16E+04	2.69
PCB-11 33'-DiCB	16.59	B	0.9701	0.9700	-0.1	6.41E+05	1.54	1.04	21.1	1.16E+04	3.12
PCB-13/12 34'/34-DiCB	16.84	C	0.9855	0.9846	-0.9	7.62E+04	SI	1.03	2.52	3.43E+03	0.928
PCB-15 44'-DiCB	17.11		1.0008	1.0008	0	4.36E+05	1.58	1.01	14.8	1.16E+04	3.21

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.01	ND	2.61E+03	1.9
PCB-30/18 246/22'5-TrCB	16.32	C	1.1110	1.1115	+0.5	3.08E+05	1.00	1.32	23	2.61E+03	1.45
PCB-17 22'4-TrCB	16.67		1.1357	1.1358	+0.1	1.60E+05	0.89	1.12	14	2.61E+03	1.7
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.46	ND	2.61E+03	1.31
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	2.61E+03	1.29
PCB-16 22'3-TrCB	17.05		1.1612	1.1613	+0.1	1.04E+05	1.09	0.87	11.7	2.61E+03	2.2
PCB-32 24'6-TrCB	17.51		1.1923	1.1925	+0.2	1.68E+05	0.95	1.56	10.6	2.61E+03	1.23
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	4.86E+03	1.36
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	4.86E+03	1.29
PCB-26/29 23'5/245-TrCB	18.99	C	0.8236	0.8224	-1.4	2.56E+05	0.97	1.43	7.3	4.86E+03	1.3
PCB-25 23'4-TrCB	19.19	EMPC	0.8315	0.8311	-0.5	1.06E+05	0.87	1.43	3.01	4.86E+03	1.3
PCB-31 24'5-TrCB	19.45		0.8430	0.8427	-0.4	1.47E+06	1.08	1.49	40.2	4.86E+03	1.25
PCB-28/20 244'/233'-TrCB	19.71	C	0.8542	0.8536	-0.7	1.93E+06	1.04	1.37	57.4	4.86E+03	1.36
PCB-21/33 234/23'4'-TrCB	19.90	C	0.8612	0.8620	+1.0	7.32E+05	1.08	1.45	20.6	4.86E+03	1.28
PCB-22 234'-TrCB	20.23		0.8766	0.8763	-0.4	5.36E+05	1.14	1.29	16.9	4.86E+03	1.44
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	4.86E+03	1.35
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	4.86E+03	1.3
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	4.86E+03	1.45
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.26	ND	4.86E+03	1.47
PCB-37 344'-TrCB	23.11		1.0008	1.0008	0	6.37E+05	1.14	1.20	21.7	4.86E+03	1.55
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.06E+02	0.407
PCB-50/53 22'46/22'56'-TeCB	19.20	C	0.9051	0.9039	-1.4	9.33E+04	0.83	0.64	5.13	6.43E+02	0.382
PCB-45 22'36-TeCB	19.77	EMPC	0.9304	0.9306	+0.2	6.21E+04	0.66	0.57	3.87	6.43E+02	0.432
PCB-51 22'46'-TeCB	19.84		0.9340	0.9340	0	3.50E+04	0.70	0.64	1.95	6.43E+02	0.385
PCB-46 22'36'-TeCB	20.02		0.9429	0.9427	-0.2	2.57E+04	0.79	0.53	1.72	6.43E+02	0.465
PCB-52 22'55'-TeCB	21.26		1.0010	1.0010	0	1.05E+06	0.81	0.62	60.3	6.43E+02	0.399
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.82	ND	6.43E+02	0.301
PCB-43 22'35-TeCB	21.46		1.0106	1.0105	-0.1	1.75E+04	0.75	0.56	1.1	6.43E+02	0.436
PCB-69/49 23'46/22'45'-TeCB	21.68	C	1.0198	1.0207	+1.2	6.15E+05	0.76	0.77	28.2	6.43E+02	0.318
PCB-48 22'45-TeCB	21.92		1.0319	1.0320	+0.1	1.17E+05	0.81	0.65	6.36	6.43E+02	0.376
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0407	-1.2	8.66E+05	0.79	0.69	44.4	6.43E+02	0.356
PCB-59/62/75 ...-TeCB	22.39	C	1.0541	1.0542	+0.1	8.27E+04	0.80	0.87	3.37	6.43E+02	0.283
PCB-42 22'34'-TeCB	22.54		1.0612	1.0613	+0.1	1.92E+05	0.77	0.63	10.9	6.43E+02	0.393
PCB-41 22'34-TeCB	22.85		1.0759	1.0759	0	3.85E+04	0.76	0.55	2.46	6.43E+02	0.444
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0809	+0.4	3.40E+05	0.73	0.67	17.9	6.43E+02	0.366
PCB-64 234'6-TeCB	23.15		1.0899	1.0901	+0.3	4.32E+05	0.80	0.94	16.3	6.43E+02	0.261
PCB-72 23'55'-TeCB	23.89		0.8295	0.8297	+0.3	3.64E+04	0.70	1.11	1.16	1.96E+03	0.674
PCB-68 23'45'-TeCB	24.14	J EMPC	0.8379	0.8383	+0.6	2.40E+04	0.93	1.21	0.703	1.96E+03	0.621
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.09	ND	1.96E+03	0.689
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.10	ND	1.96E+03	0.684
PCB-67 23'45-TeCB	24.83		0.8620	0.8623	+0.4	8.24E+04	0.86	1.14	2.57	1.96E+03	0.659
PCB-63 234'5-TeCB	25.06		0.8697	0.8700	+0.5	7.81E+04	0.84	1.20	2.31	1.96E+03	0.625
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8801	+1.4	3.88E+06	0.77	1.14	121	1.96E+03	0.658
PCB-66 23'44'-TeCB	25.60		0.8888	0.8891	+0.5	2.16E+06	0.76	1.06	72	1.96E+03	0.706
PCB-55 233'4-TeCB	25.72	J	0.8932	0.8933	+0.2	3.07E+04	0.83	1.14	0.955	1.96E+03	0.659

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.16		0.9080	0.9082	+0.3	8.67E+05	0.75	1.06	28.9	1.96E+03	0.706
PCB-60 2344'-TeCB	26.34		0.9144	0.9146	+0.3	4.03E+05	0.81	1.14	12.5	1.96E+03	0.657
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	1.96E+03	0.61
PCB-79 33'45'-TeCB	27.98	J EMPC	0.9718	0.9714	-0.7	2.95E+04	0.63	1.22	0.856	1.96E+03	0.615
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	1.96E+03	0.715
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	6.75E+02	0.524
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.92	ND	6.75E+02	0.522
PCB-103 22'45'6'-PeCB	24.05		0.8883	0.8890	+1.0	1.95E+04	0.67	0.78	1.39	9.39E+02	0.661
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.68	ND	9.39E+02	0.762
PCB-95 22'35'6'-PeCB	24.58		0.9082	0.9086	+0.6	1.25E+06	0.63	0.70	99.6	9.39E+02	0.741
PCB-100/93 22'44'6'/22'356'-PeCB	24.78	J C	0.9158	0.9161	+0.4	2.09E+04	0.64	0.73	1.6	9.39E+02	0.709
PCB-102 22'456'-PeCB	24.89		0.9198	0.9203	+0.7	4.87E+04	0.58	0.86	3.16	9.39E+02	0.602
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	9.39E+02	0.775
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	9.39E+02	0.778
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9356	+0.6	2.42E+05	0.58	0.82	16.4	9.39E+02	0.629
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9420	+0.6	3.42E+05	0.67	0.63	30.1	9.39E+02	0.815
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.66	ND	9.39E+02	0.785
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	9.39E+02	0.521
PCB-92 22'355'-PeCB	26.58		0.9825	0.9826	+0.2	3.18E+05	0.57	0.70	25.3	9.39E+02	0.74
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	1.84E+06	0.63	0.82	125	9.39E+02	0.63
PCB-83 22'33'5'-PeCB	27.46		1.0150	1.0150	0	1.00E+05	0.62	0.60	9.36	9.39E+02	0.867
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	1.02E+06	0.63	0.72	79	9.39E+02	0.717
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	9.39E+02	0.548
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	1.28E+06	0.62	0.84	84.2	9.39E+02	0.612
PCB-117 234'56'-PeCB	28.50		1.0539	1.0534	-0.9	3.16E+04	0.60	0.86	2.04	9.39E+02	0.6
PCB-116/85 23456/22'344'-PeCB	28.58	C	1.0566	1.0564	-0.3	3.62E+05	0.63	0.88	22.8	9.39E+02	0.586
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0614	-0.2	2.85E+06	0.61	0.87	183	9.39E+02	0.593
PCB-115 2344'6'-PeCB	28.80		1.0644	1.0648	+0.7	4.22E+04	0.64	1.00	2.35	9.39E+02	0.516
PCB-82 22'33'4'-PeCB	28.97		1.0711	1.0708	-0.5	1.66E+05	0.57	0.62	14.8	9.39E+02	0.829
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	9.39E+02	0.519
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.98	ND	9.39E+02	0.526
PCB-107/124 ...-PeCB	30.68	C	0.9909	0.9911	+0.4	8.41E+04	0.67	0.92	5.07	9.39E+02	0.559
PCB-109 233'46'-PeCB	30.88		0.9976	0.9976	0	1.82E+05	0.59	0.90	11.2	9.39E+02	0.571
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	9.39E+02	0.56
PCB-122 233'4'5'-PeCB	31.52	EMPC	1.0095	1.0093	-0.4	2.12E+04	0.86	0.94	1.35	9.39E+02	0.617
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	9.39E+02	0.514
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	6.97E+02	0.455
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	6.97E+02	0.485
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	6.97E+02	0.478
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0215	-0.2	2.79E+05	1.16	0.92	21	6.97E+02	0.524
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	6.97E+02	0.505
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	6.97E+02	0.655
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	5.49E+05	1.25	0.72	52.9	6.97E+02	0.672
PCB-154 22'44'56'-HxCB	29.74		1.1067	1.1066	-0.2	4.08E+04	1.28	0.81	3.48	6.97E+02	0.596
PCB-144 22'345'6'-HxCB	29.98		1.1158	1.1157	-0.2	7.52E+04	1.28	0.74	7.04	6.97E+02	0.653

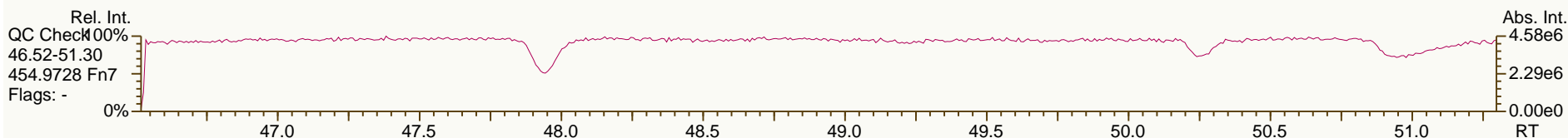
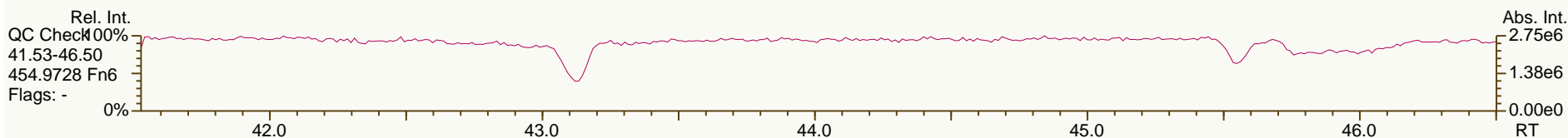
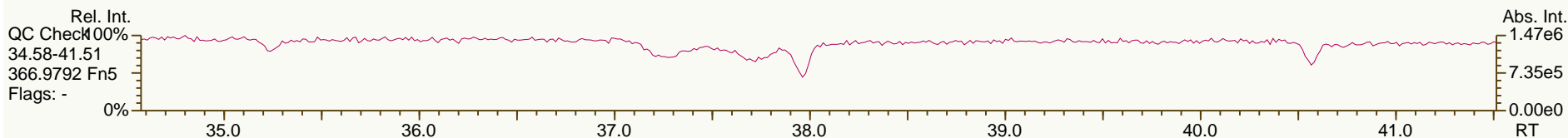
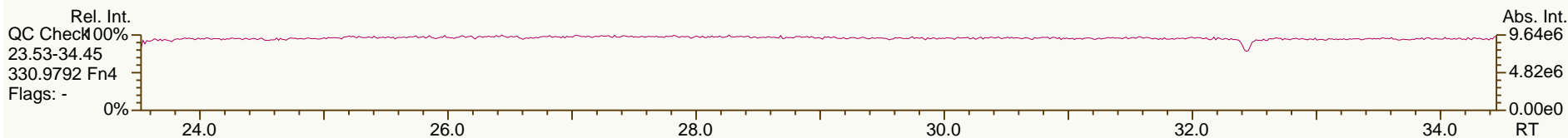
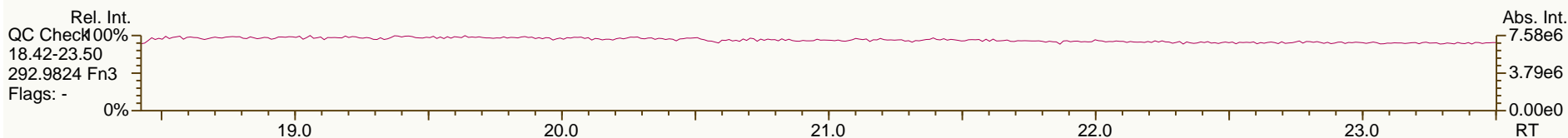
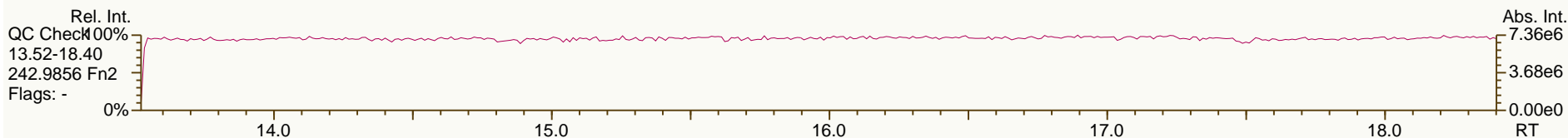
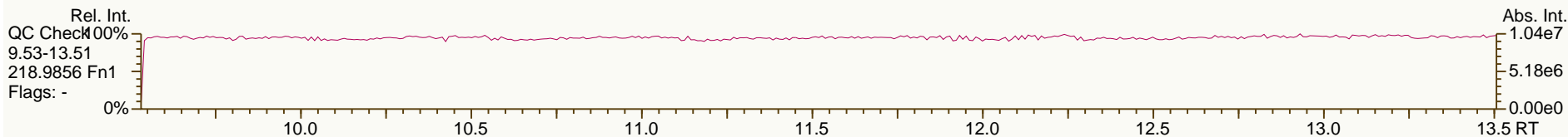
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.28	C	1.1269	1.1266	-0.5	1.42E+06	1.30	0.75	131	6.97E+02	0.641
PCB-134 22'33'56"-HxCB	30.43		1.1326	1.1324	-0.4	9.28E+04	1.35	0.59	10.8	6.97E+02	0.809
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	6.97E+02	0.671
PCB-139/140 ...-HxCB	30.78	EMPC C	1.1458	1.1454	-0.7	3.62E+04	1.65	0.77	3.24	6.97E+02	0.624
PCB-131 22'33'46"-HxCB	30.94		1.1516	1.1513	-0.6	2.16E+04	1.31	0.65	2.28	6.97E+02	0.736
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	6.97E+02	0.703
PCB-132 22'33'46"-HxCB	31.32		1.1655	1.1654	-0.2	5.73E+05	1.30	0.67	59.3	6.97E+02	0.721
PCB-133 22'33'55"-HxCB	31.78		1.1826	1.1825	-0.2	3.63E+04	1.33	0.69	3.64	6.97E+02	0.699
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	6.97E+02	0.566
PCB-146 22'34'55"-HxCB	32.32		0.9550	0.9550	0	3.38E+05	1.26	0.76	30.8	6.97E+02	0.634
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	6.97E+02	0.519
PCB-153/168 ...-HxCB	32.84	C	0.9709	0.9702	-1.4	2.08E+06	1.28	0.89	162	6.97E+02	0.541
PCB-141 22'3455"-HxCB	32.99		0.9746	0.9747	+0.2	2.46E+05	1.24	0.73	23.2	6.97E+02	0.658
PCB-130 22'33'45"-HxCB	33.33		0.9847	0.9847	0	1.37E+05	1.13	0.63	14.9	6.97E+02	0.762
PCB-137 22'344'5"-HxCB	33.52		0.9904	0.9904	0	1.07E+05	1.19	0.81	9.05	6.97E+02	0.592
PCB-164 233'4'5'6"-HxCB	33.61		0.9930	0.9930	0	1.66E+05	1.42	0.89	12.8	6.97E+02	0.538
PCB-163/138/129 ...-HxCB	33.87	C	1.0012	1.0008	-0.8	2.50E+06	1.22	0.78	219	6.97E+02	0.612
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	6.97E+02	0.552
PCB-158 233'44'6"-HxCB	34.20		1.0106	1.0106	0	2.97E+05	1.16	1.00	20.4	6.97E+02	0.479
PCB-128/166 ...-HxCB	34.92	C	0.9593	0.9594	+0.2	4.62E+05	1.27	0.97	29.4	1.07E+03	0.677
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.07E+03	0.607
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.14	ND	1.07E+03	0.576
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	6.09E+02	0.473
PCB-179 22'33'566"-HpCB	31.96		1.0089	1.0089	0	1.96E+05	0.92	1.06	15.6	6.09E+02	0.475
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	6.09E+02	0.486
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0322	-0.4	5.09E+04	1.10	1.13	3.79	6.09E+02	0.445
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	6.09E+02	0.459
PCB-178 22'33'55'6"-HpCB	34.27	EMPC	1.0816	1.0816	0	7.17E+04	1.20	0.78	7.75	6.09E+02	0.646
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00		0.86	ND	1.32E+03	1.27
PCB-187 22'34'55'6"-HpCB	35.03		1.1057	1.1058	+0.2	5.78E+05	0.94	0.89	54.7	1.32E+03	1.23
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	1.32E+03	1.19
PCB-183 22'344'5'6"-HpCB	35.54		1.1219	1.1220	+0.2	2.22E+05	1.04	0.92	20.3	1.32E+03	1.19
PCB-185 22'3455'6"-HpCB	35.60		1.1241	1.1239	-0.4	4.59E+04	1.03	0.88	4.39	1.32E+03	1.24
PCB-174 22'33'456"-HpCB	35.72		1.1276	1.1276	0	3.29E+05	0.95	0.78	35.7	1.32E+03	1.41
PCB-177 22'33'45'6"-HpCB	36.09		1.1393	1.1393	0	2.24E+05	1.08	0.74	25.5	1.32E+03	1.48
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	1.32E+03	1.29
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1560	+0.9	1.07E+05	1.11	0.77	11.7	1.32E+03	1.43
PCB-172 22'33'455"-HpCB	38.01		0.9003	0.9004	+0.2	5.49E+04	1.05	0.51	4.64	1.32E+03	1.18
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	1.32E+03	0.914
PCB-180/193 ...-HpCB	38.55	C	0.9127	0.9133	+1.4	9.27E+05	1.04	0.84	47.4	1.32E+03	0.714
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00		0.67	ND	1.32E+03	0.894
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	3.50E+05	1.03	0.70	21.6	1.32E+03	0.863
PCB-190 233'44'56"-HpCB	40.04		0.9486	0.9486	0	8.83E+04	0.89	0.66	5.73	1.32E+03	0.908
PCB-202 22'33'55'66"-OoCB	36.21		1.0006	1.0005	-0.2	6.13E+04	0.82	0.83	5.82	1.05E+03	1.14
PCB-201 22'33'45'66"-OoCB	36.99		1.0221	1.0219	-0.4	3.36E+04	0.87	0.94	2.81	1.05E+03	1.01

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	1.05E+03	1.04
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		1.00	ND	1.05E+03	0.941
PCB-200 22'33'4566'-OcCB	37.83		1.0451	1.0453	+0.5	1.92E+04	0.97	0.88	1.71	1.05E+03	1.08
PCB-198/199 ...-OcCB	40.21	C	1.1102	1.1109	+1.7	2.35E+05	0.93	0.58	31.6	1.05E+03	1.62
PCB-196 22'33'44'56'-OcCB	40.76		1.1260	1.1261	+0.2	8.10E+04	0.93	0.60	10.6	1.05E+03	1.58
PCB-203 22'344'55'6'-OcCB	40.92		1.1306	1.1308	+0.5	1.45E+05	0.91	0.63	18	1.05E+03	1.49
PCB-195 22'33'44'56-OcCB	42.02		0.9469	0.9468	-0.3	7.28E+04	0.94	0.74	7.02	1.49E+03	1.51
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	2.21E+05	1.01	0.82	19.1	1.49E+03	1.35
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.49E+03	1.02
PCB-208 22'33'455'66'-NoCB	41.84		1.0005	1.0006	+0.3	6.31E+04	0.80	0.98	5.1	1.21E+03	1.22
PCB-207 22'33'44'566'-NoCB	42.61		1.0192	1.0190	-0.5	2.47E+04	0.72	1.01	1.94	1.21E+03	1.19
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0005	+0.3	1.27E+05	0.77	0.93	15.7	1.21E+03	1.87

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Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

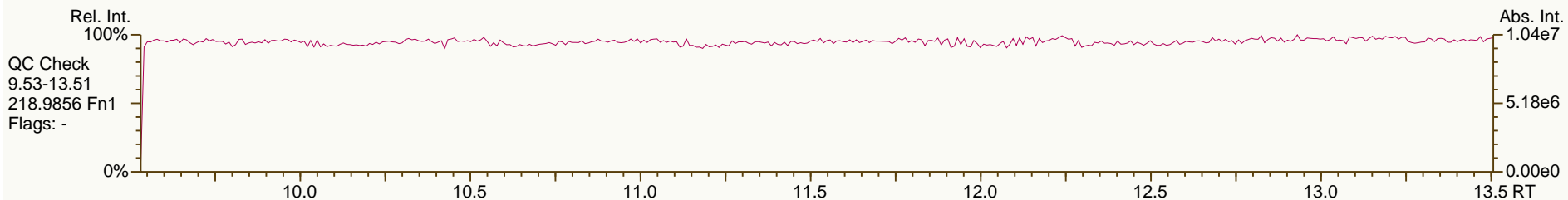
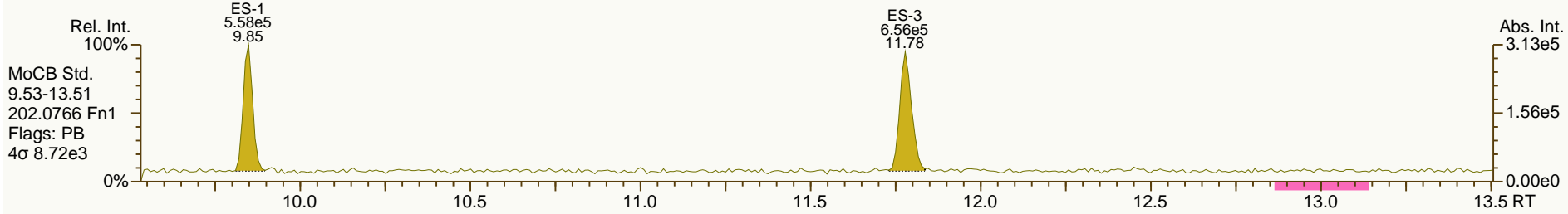
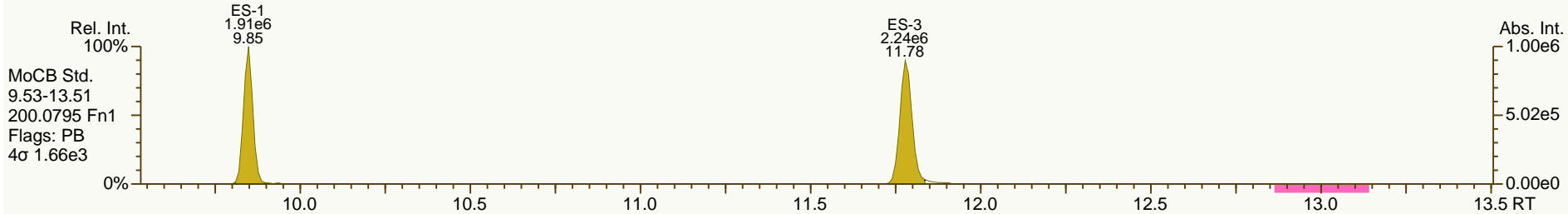
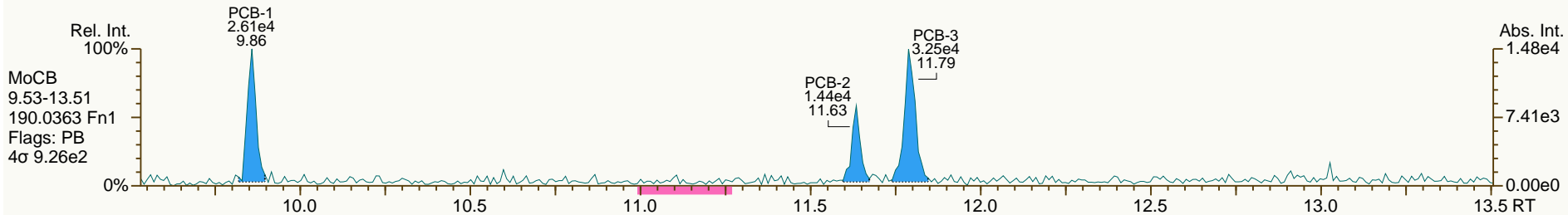
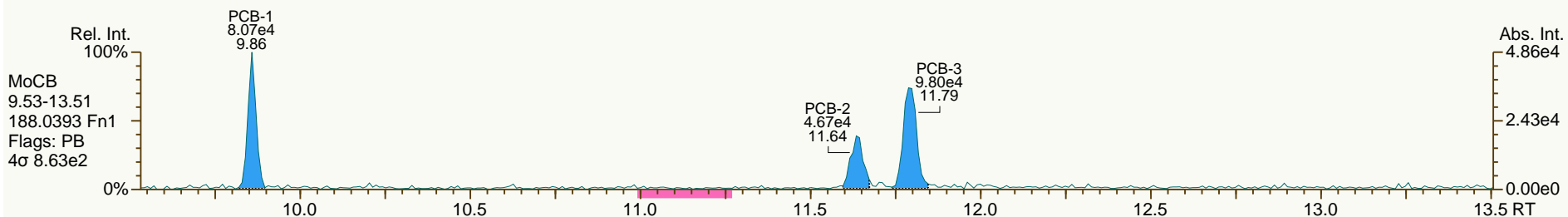
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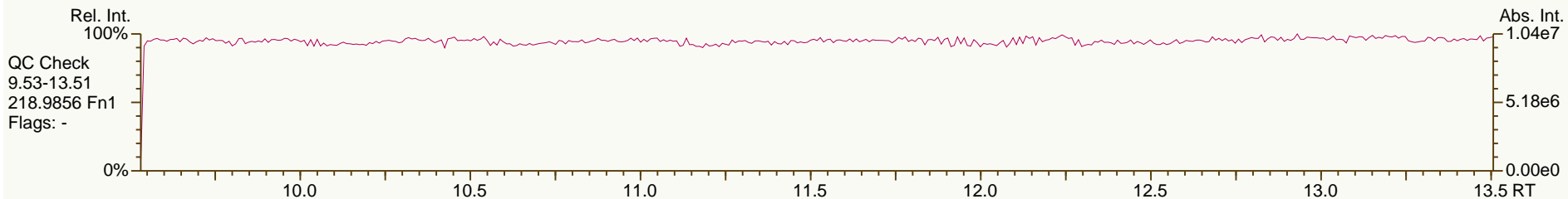
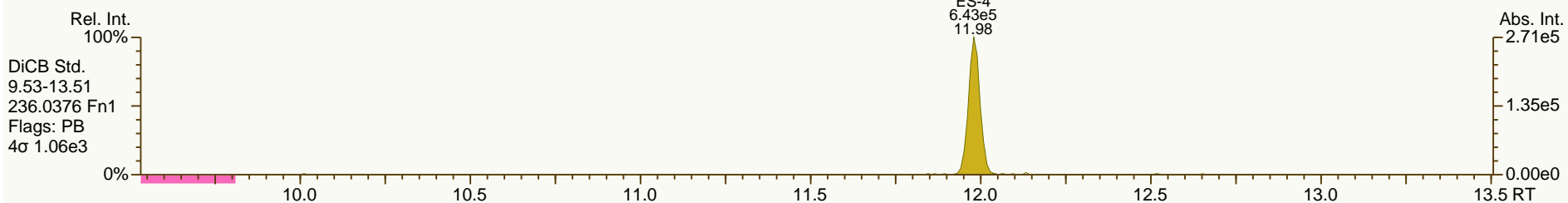
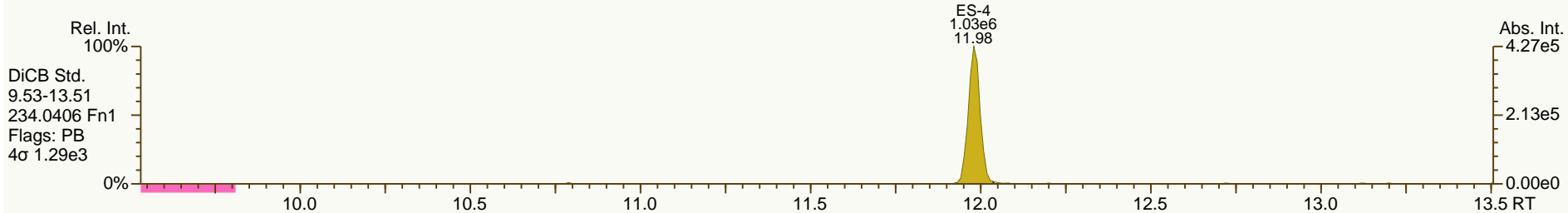
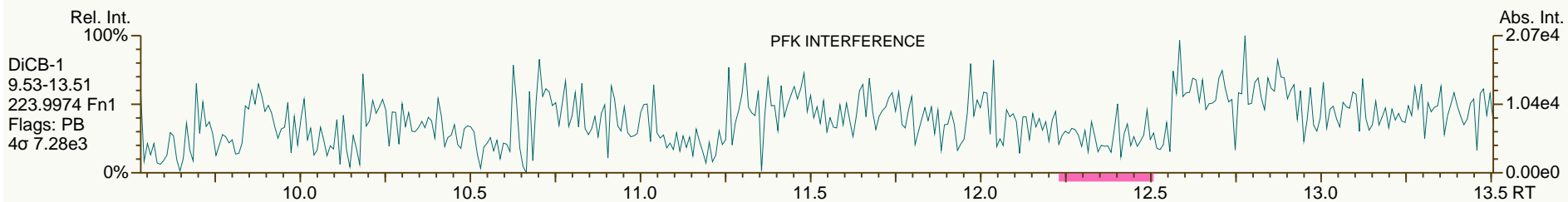
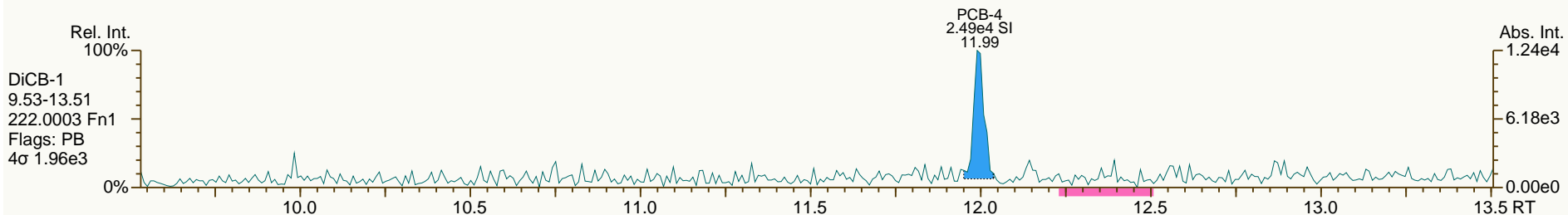
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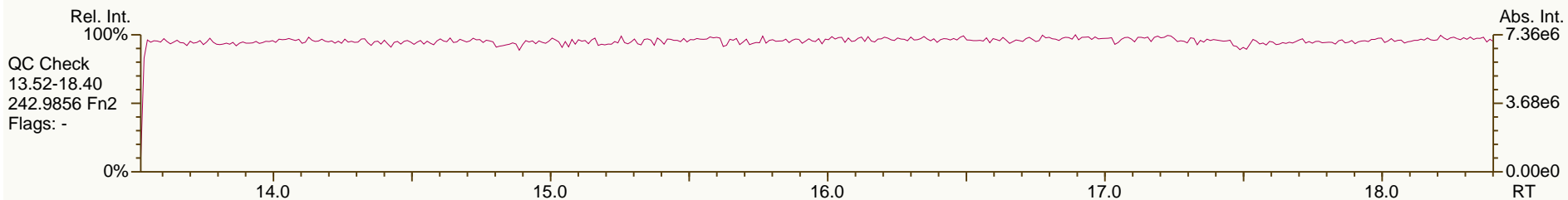
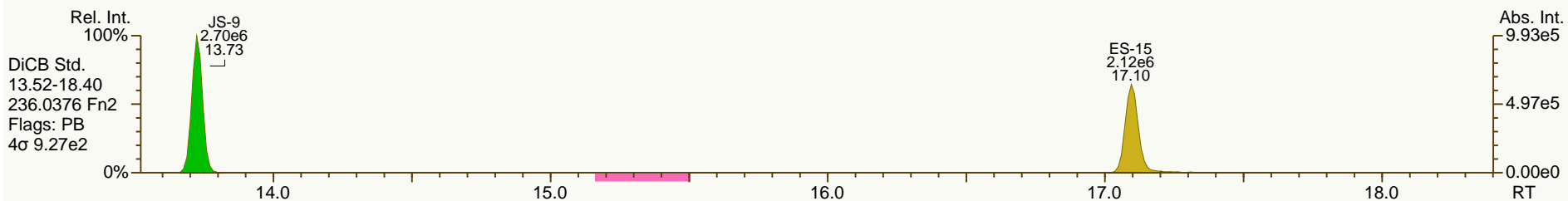
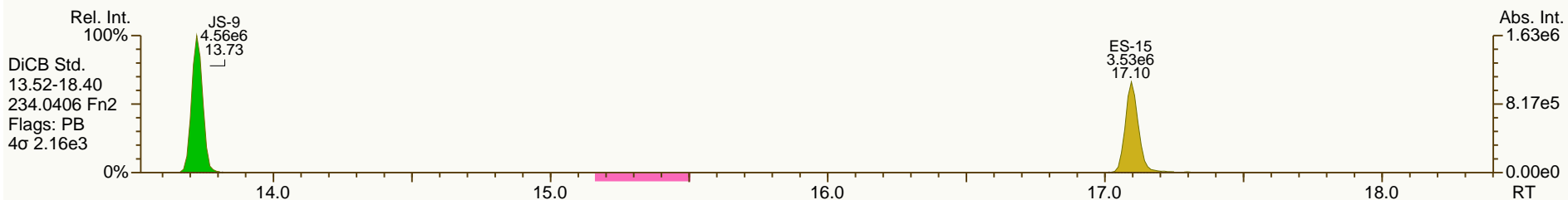
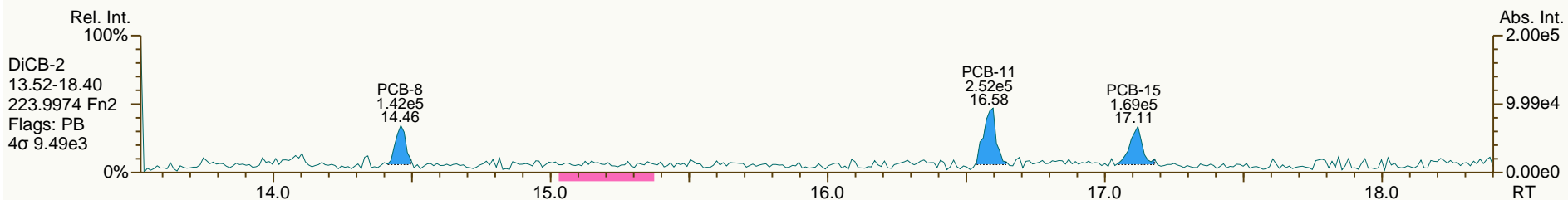
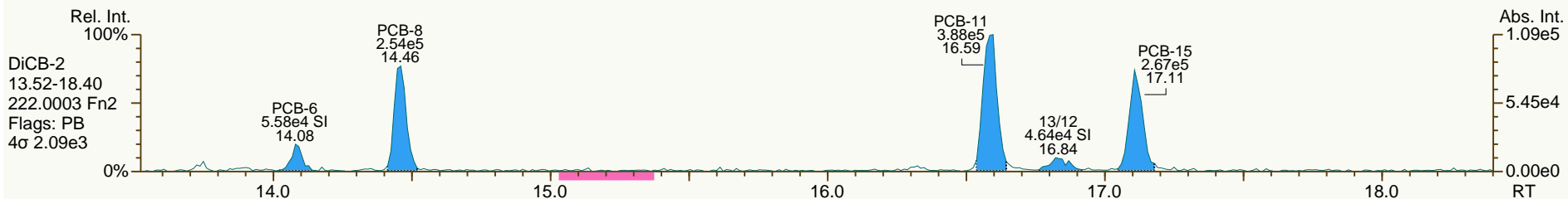
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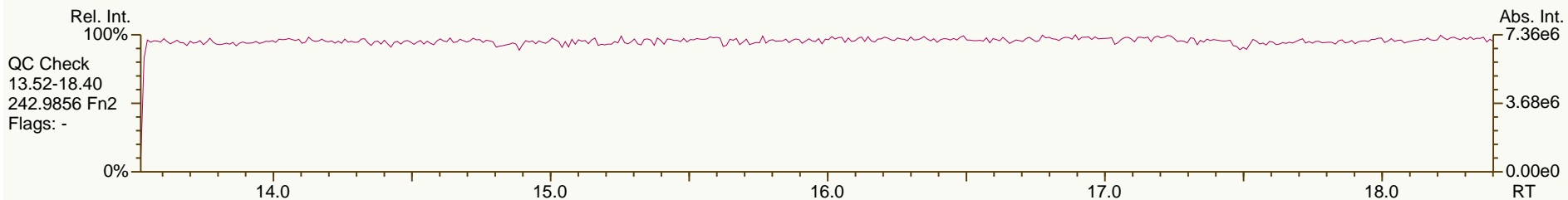
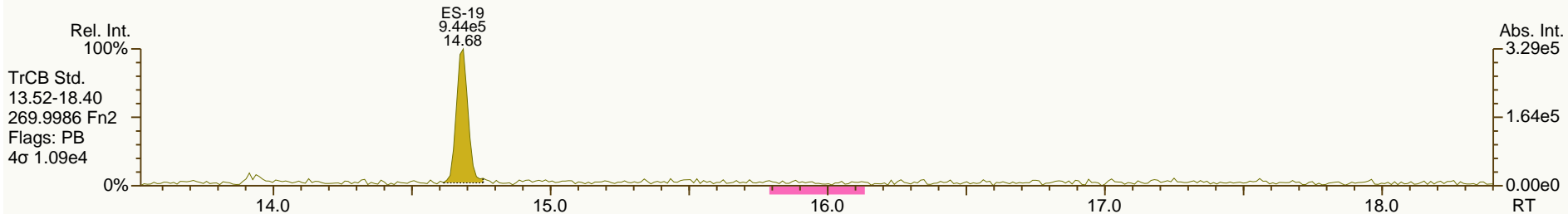
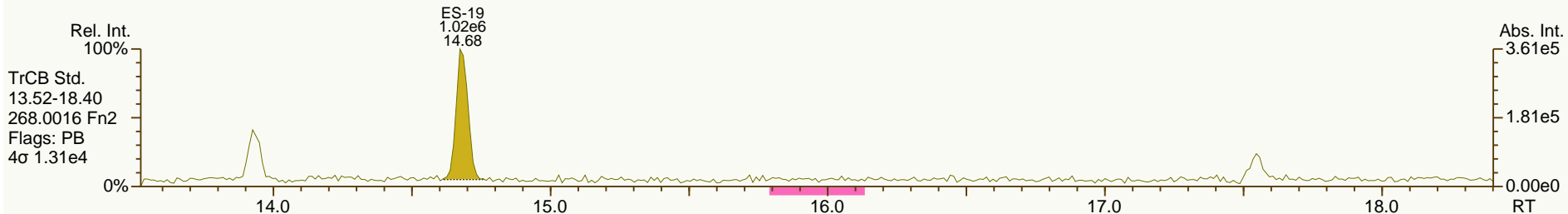
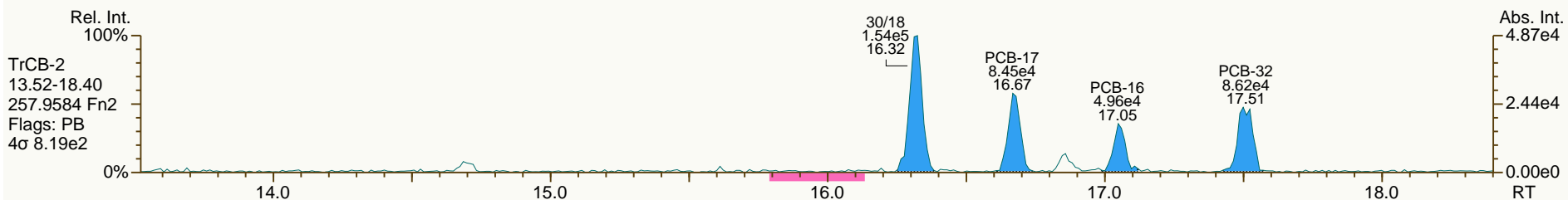
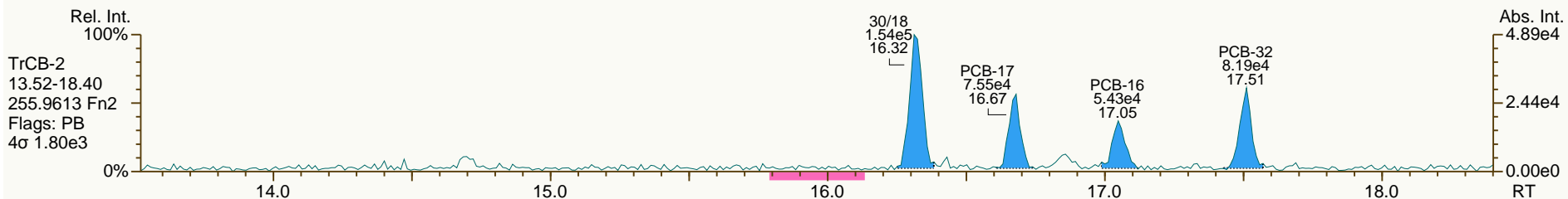
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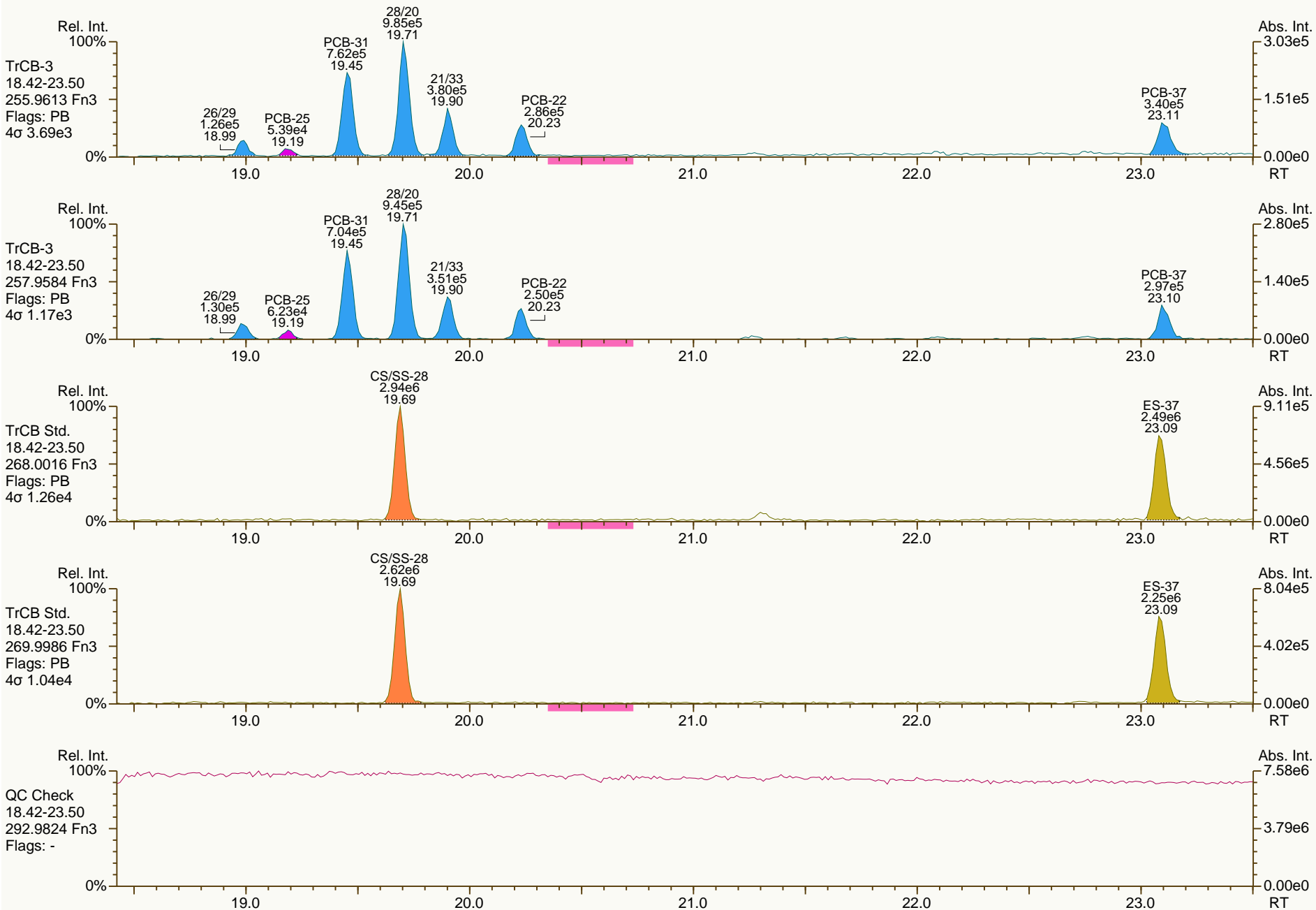
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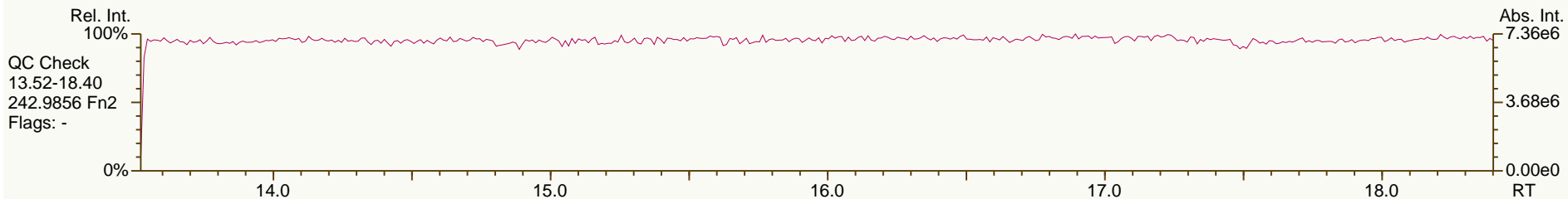
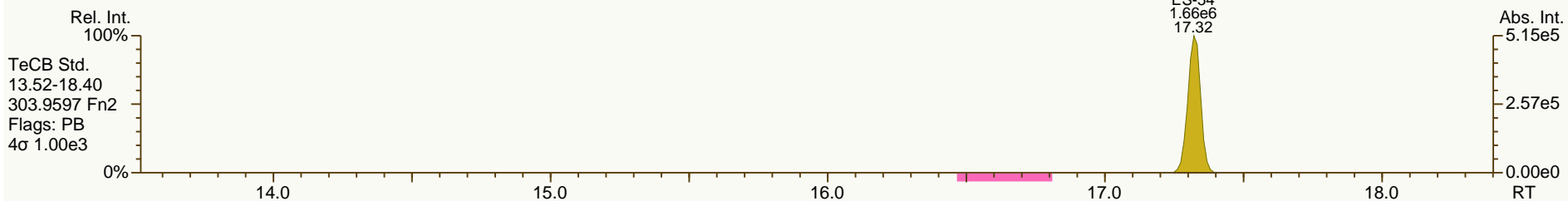
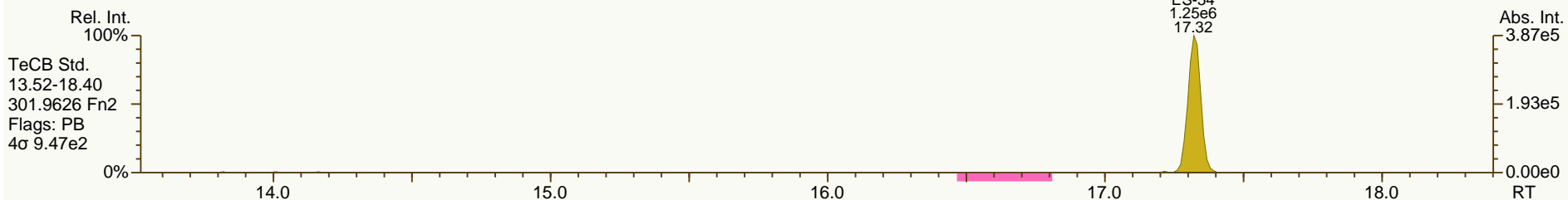
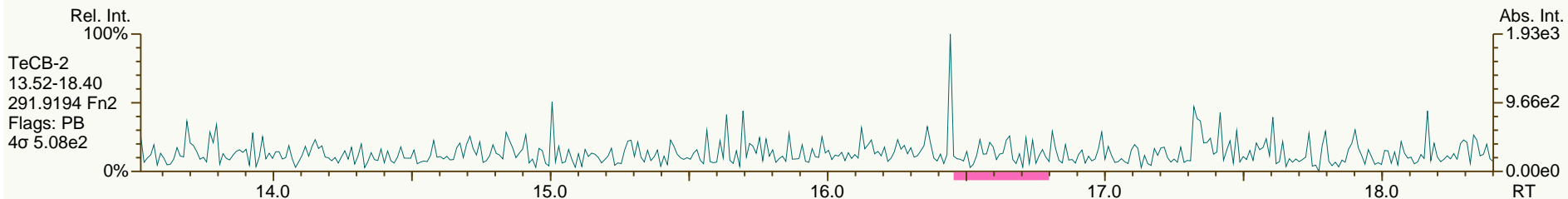
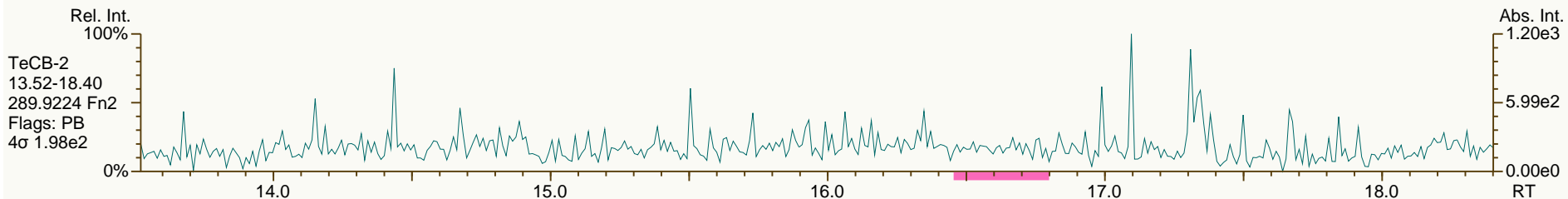
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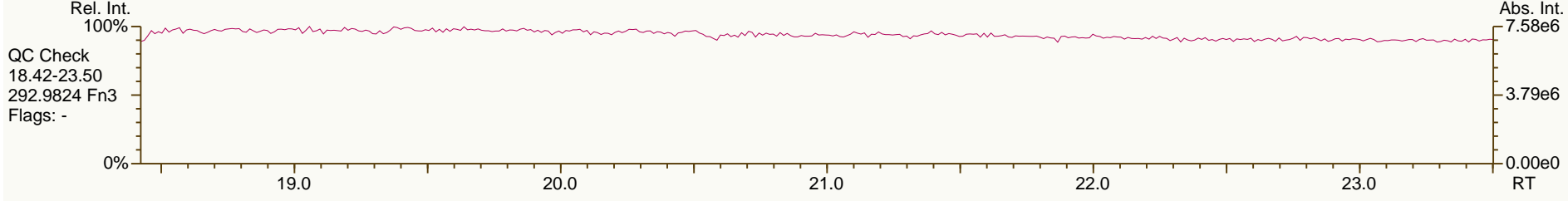
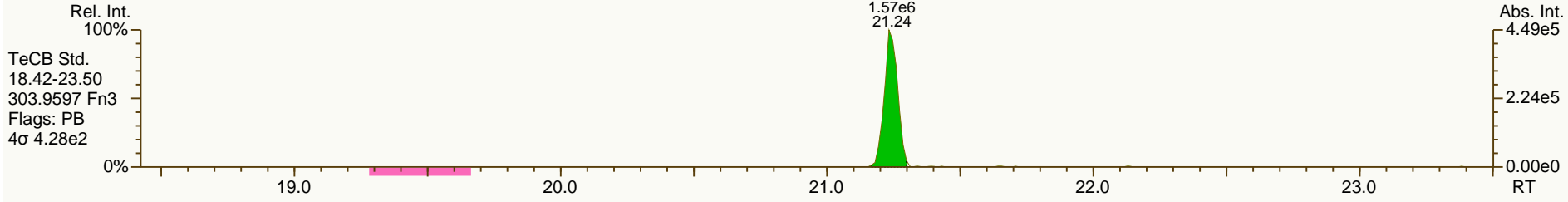
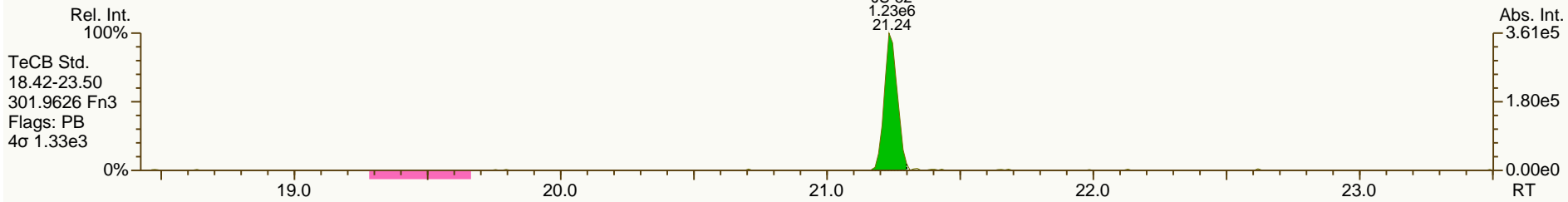
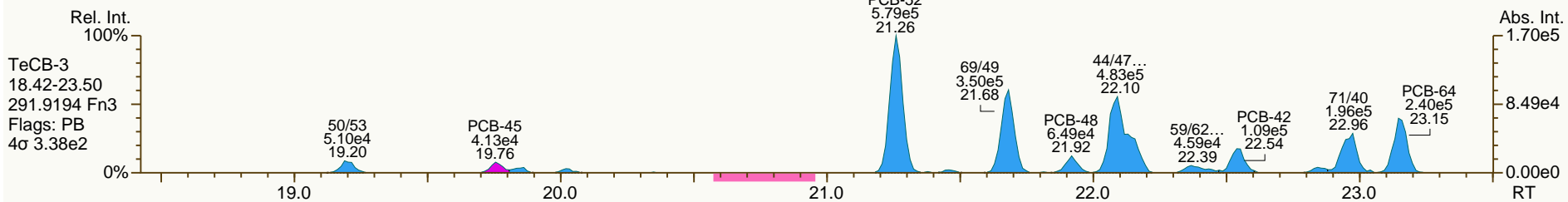
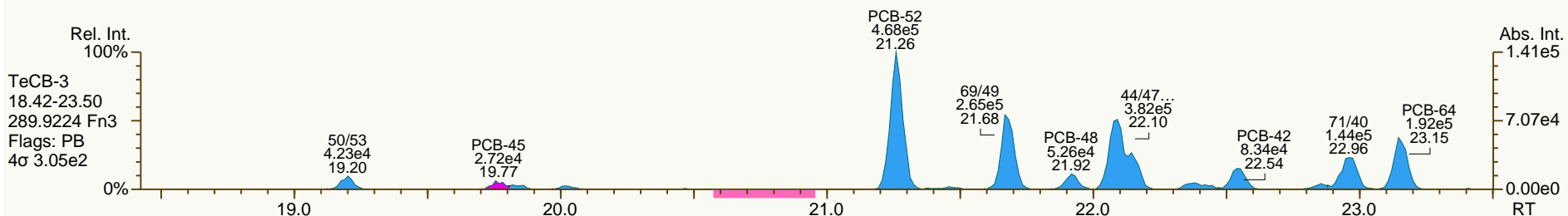
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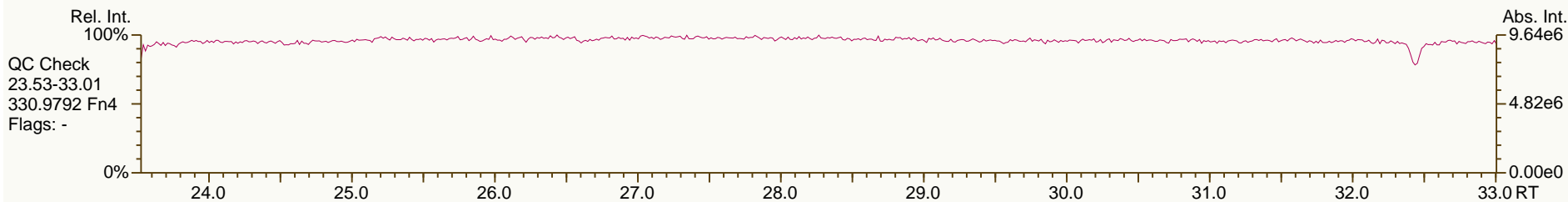
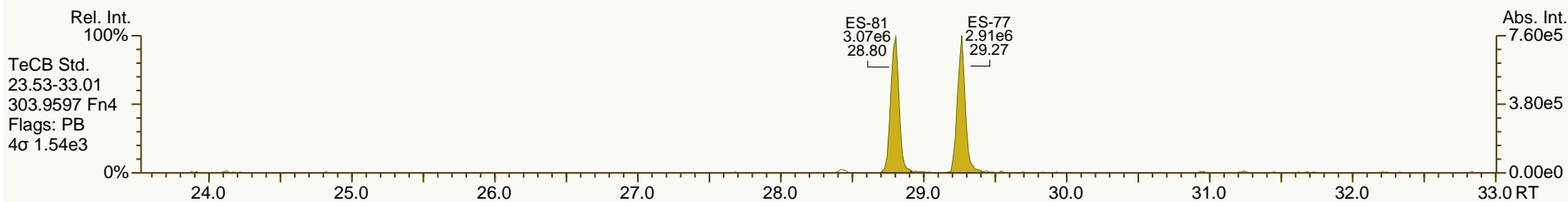
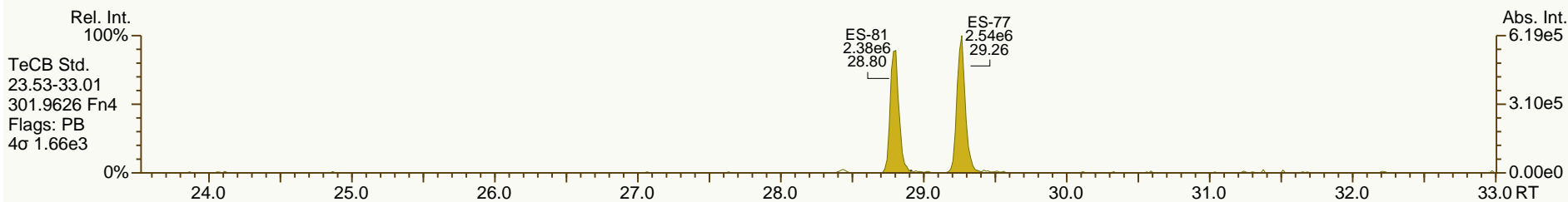
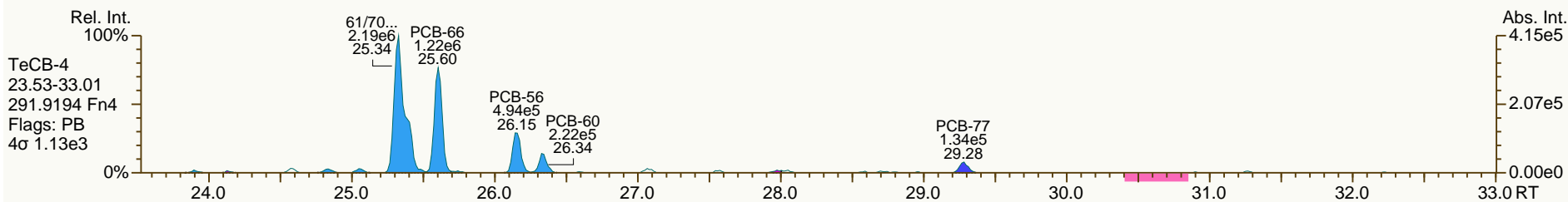
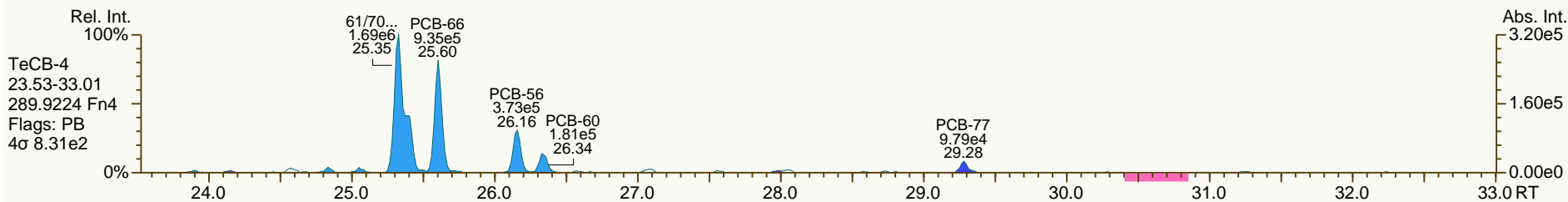
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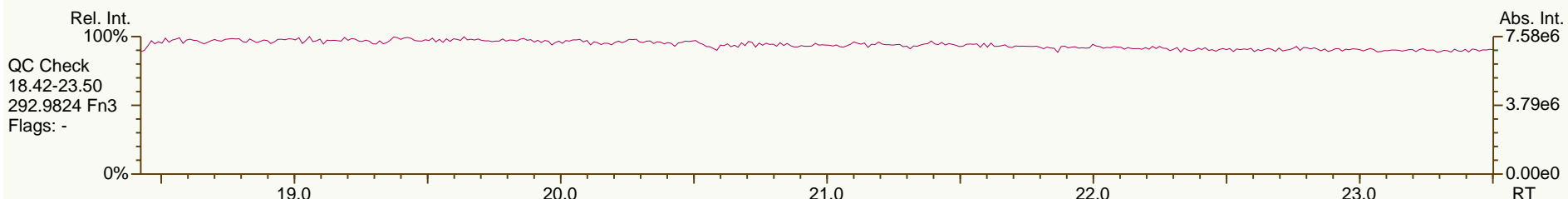
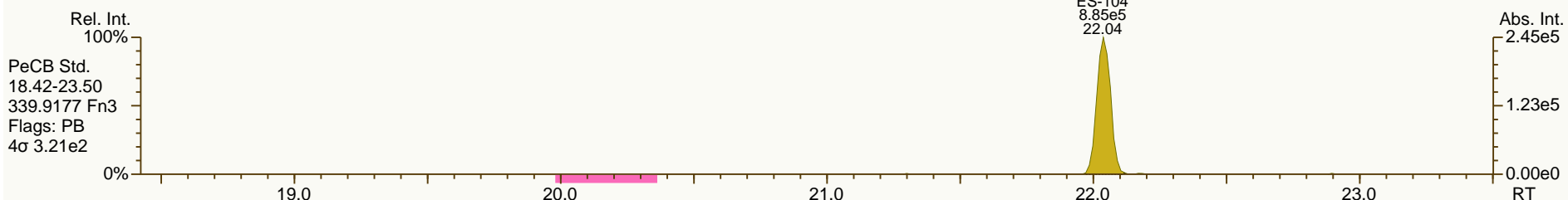
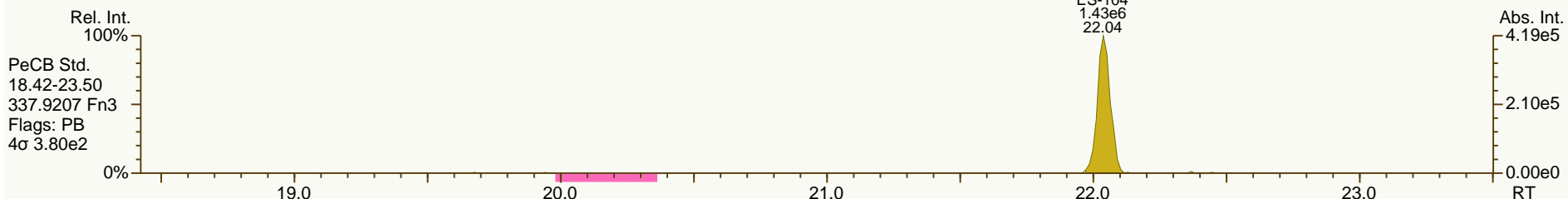
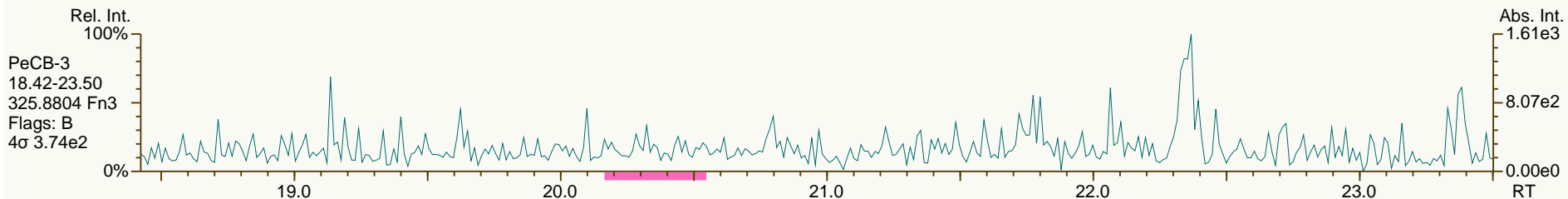
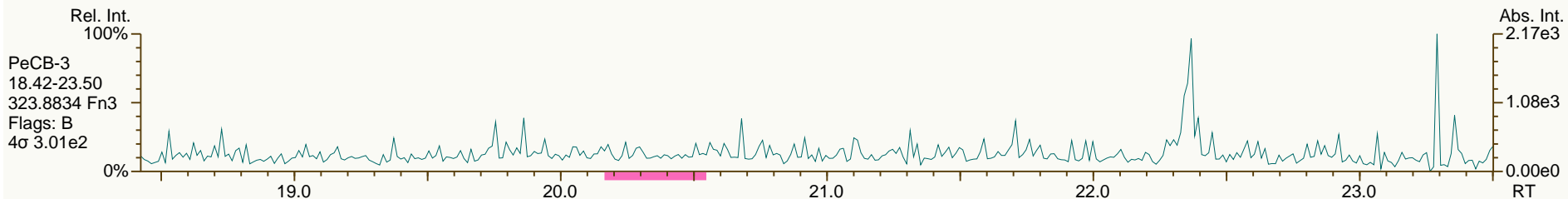
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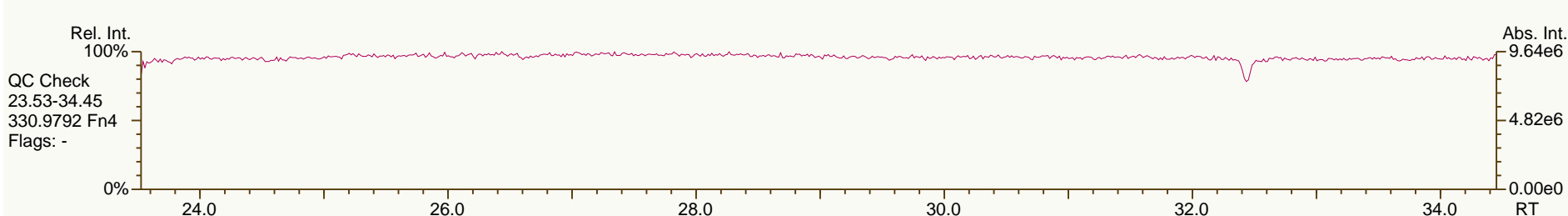
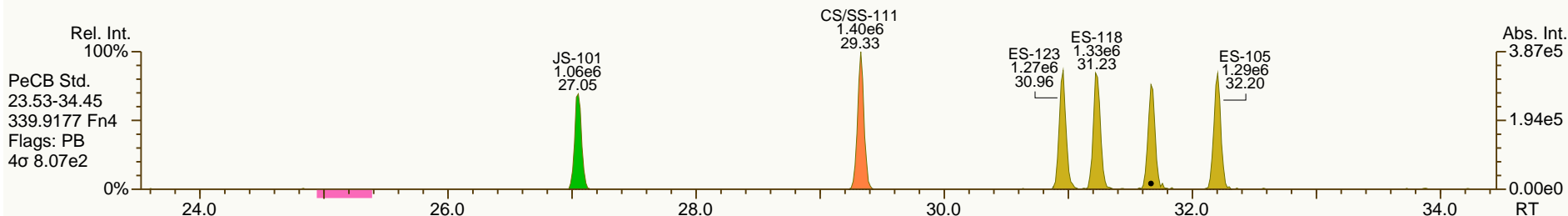
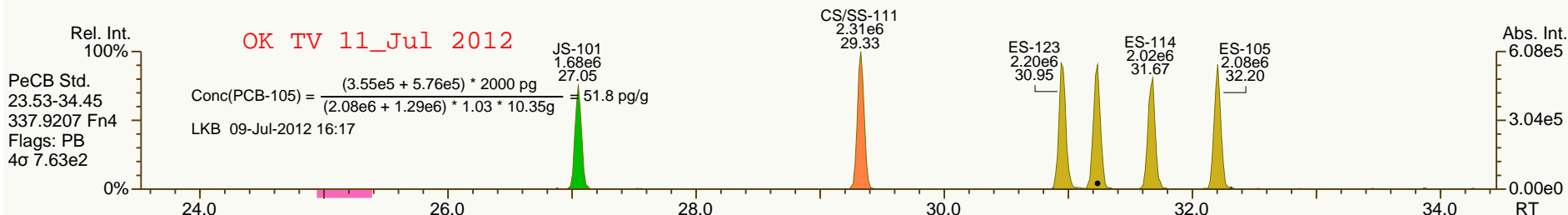
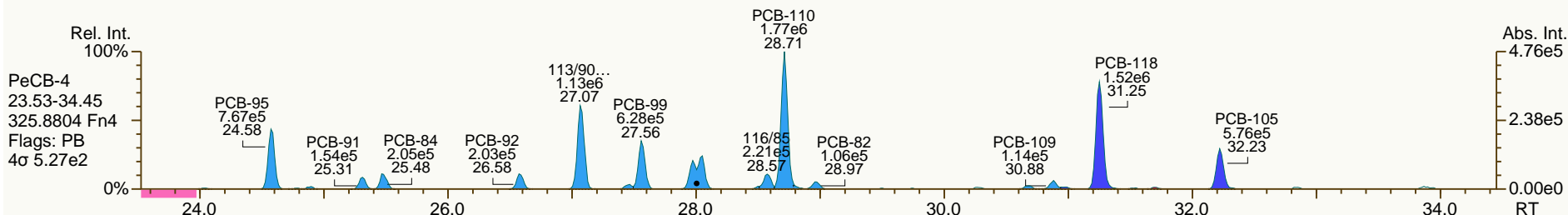
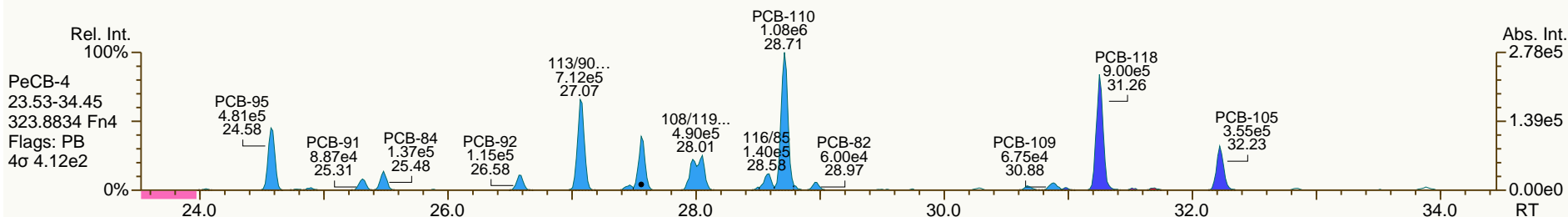
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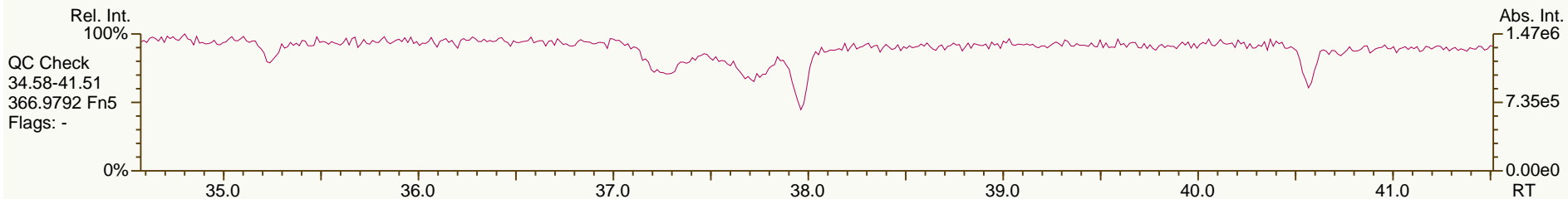
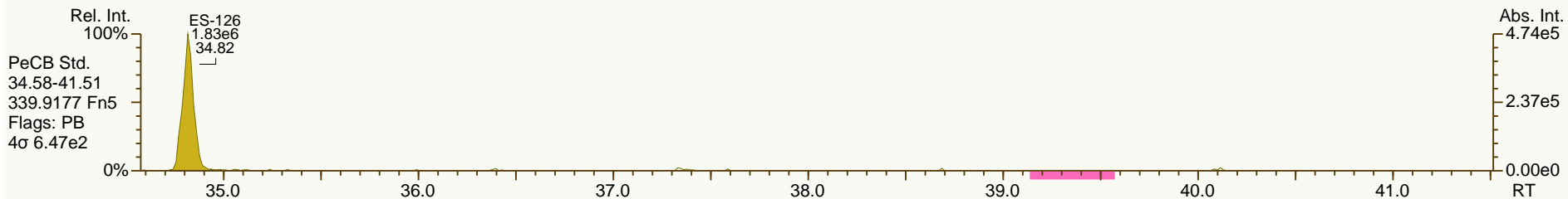
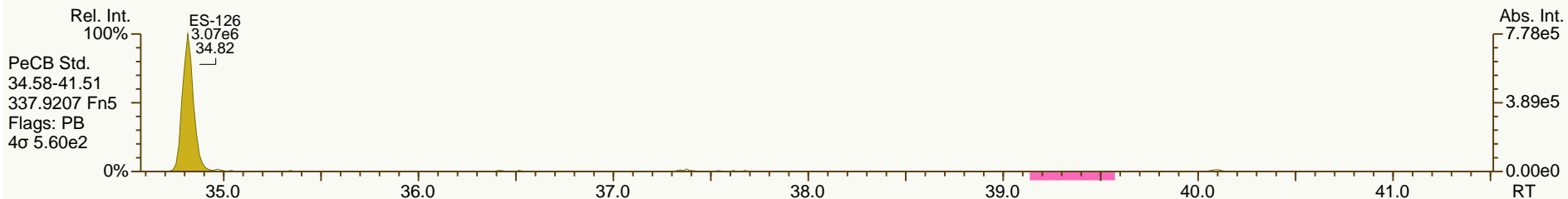
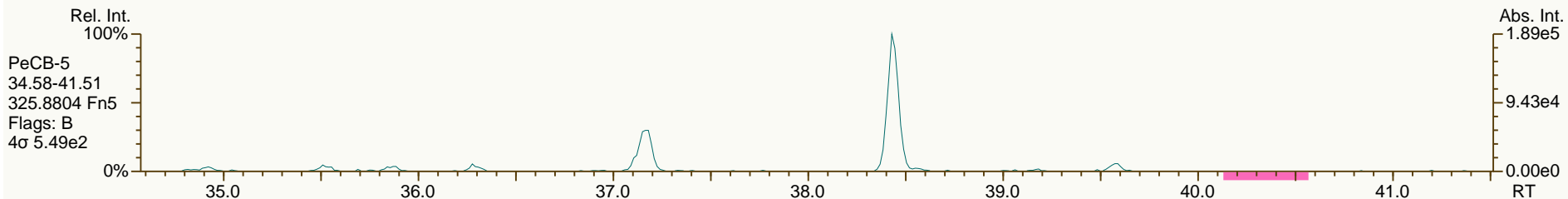
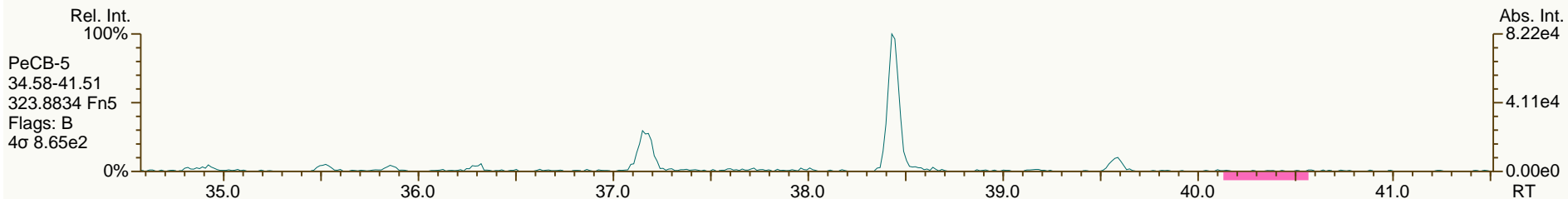
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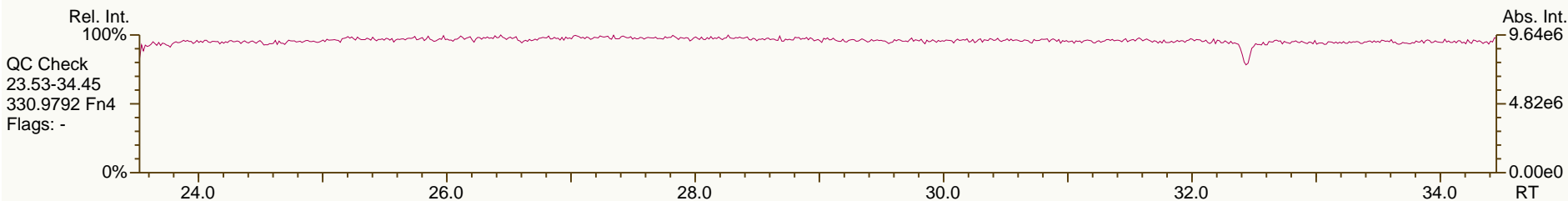
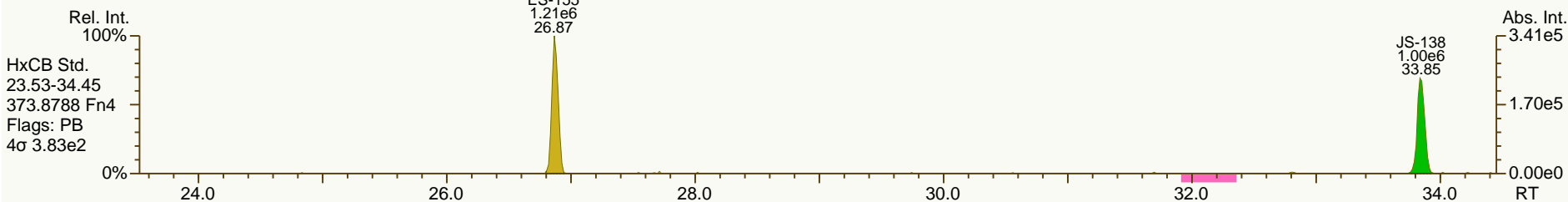
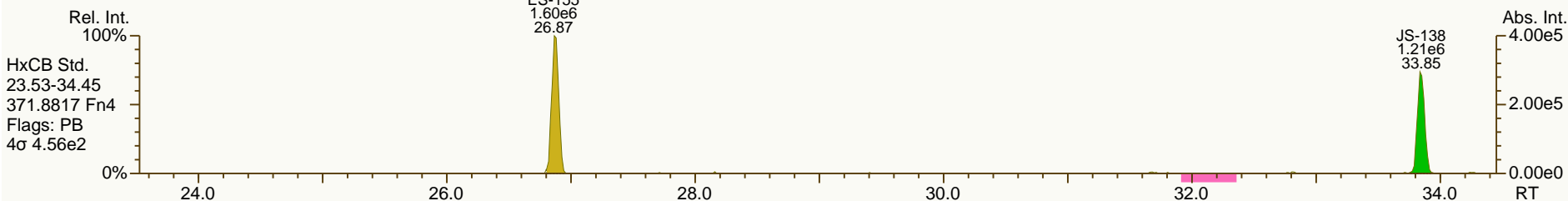
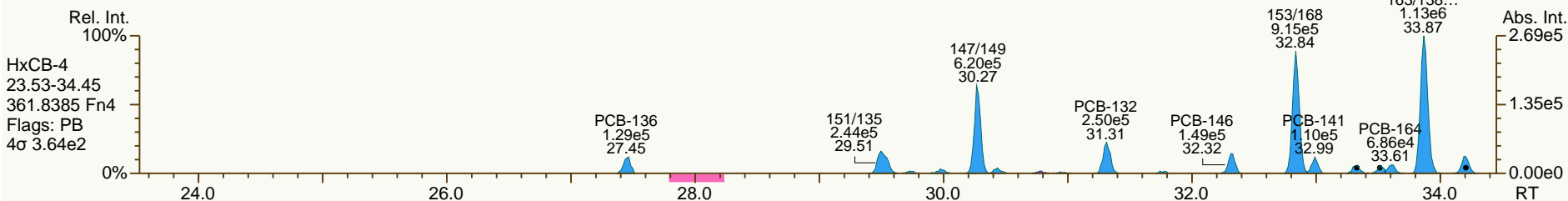
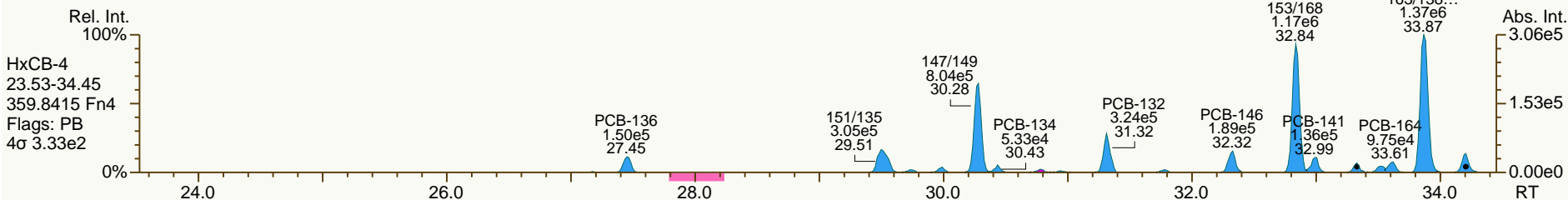
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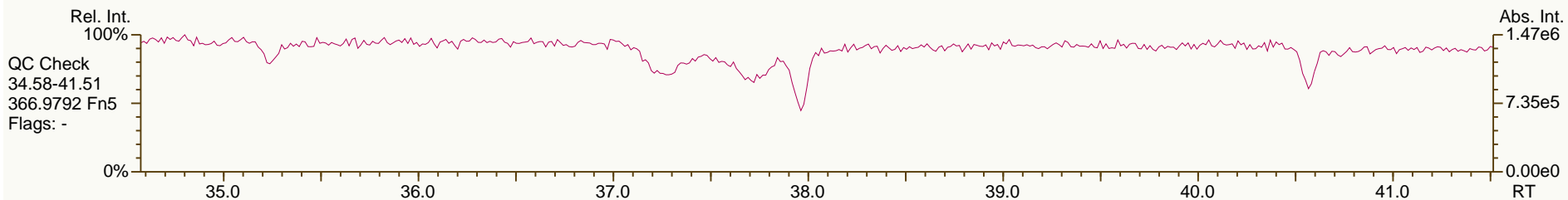
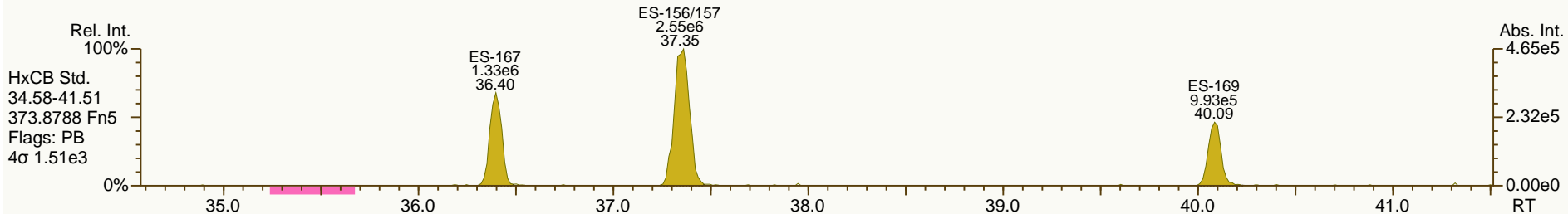
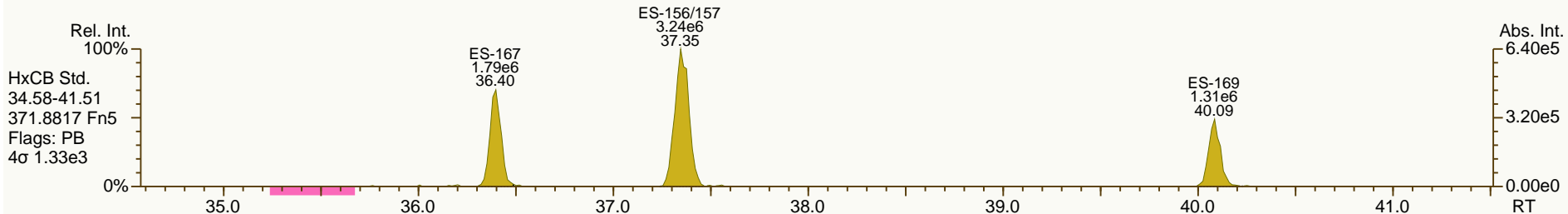
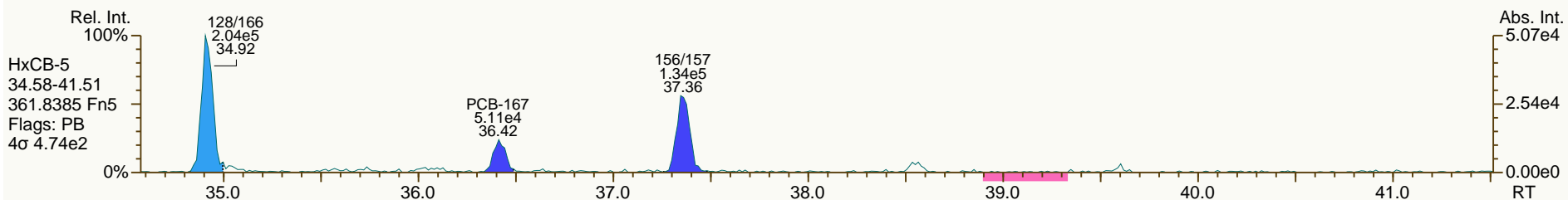
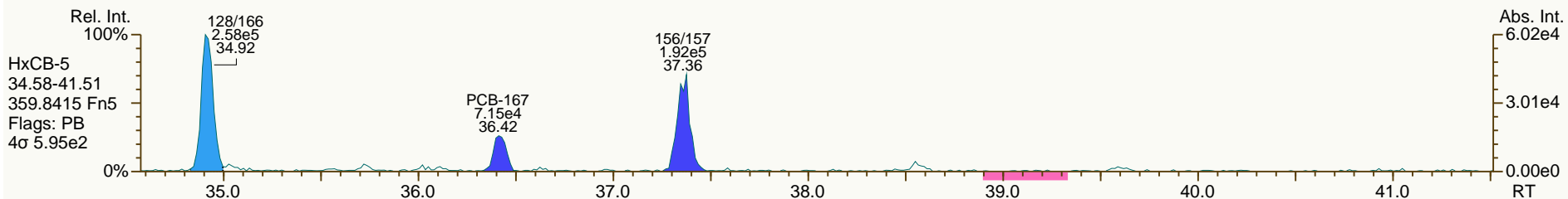
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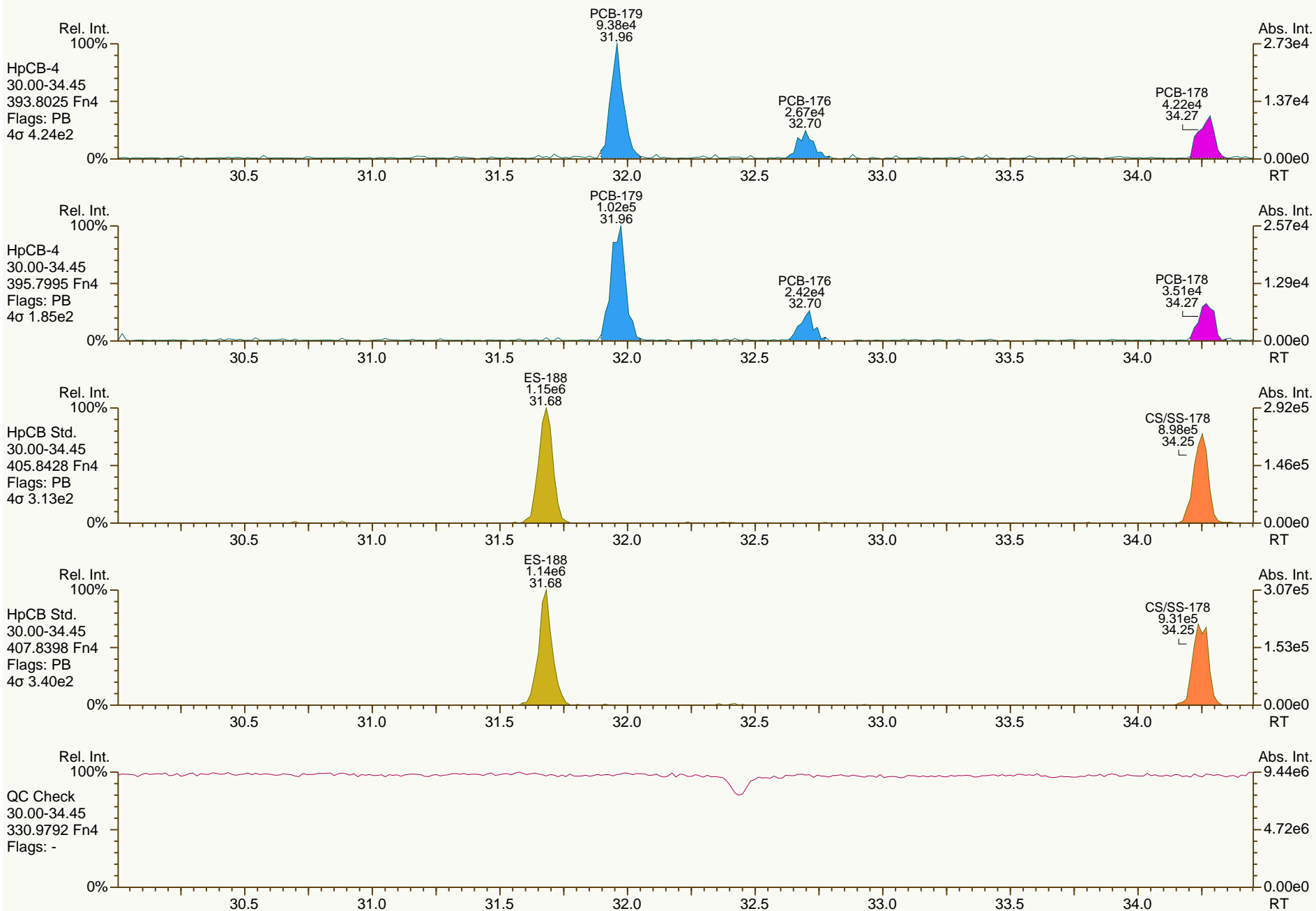
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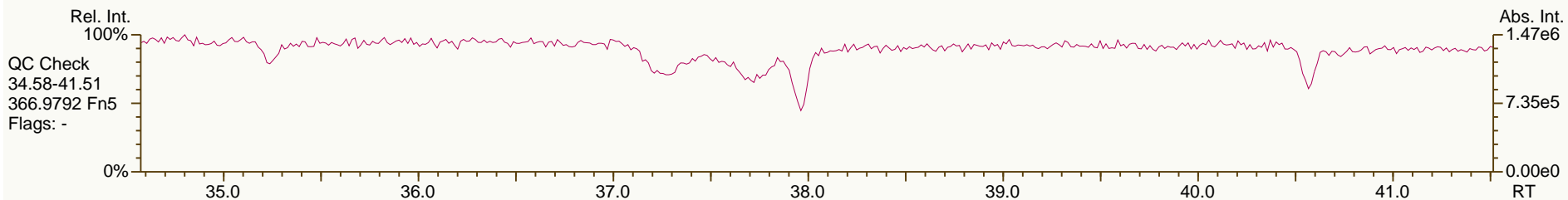
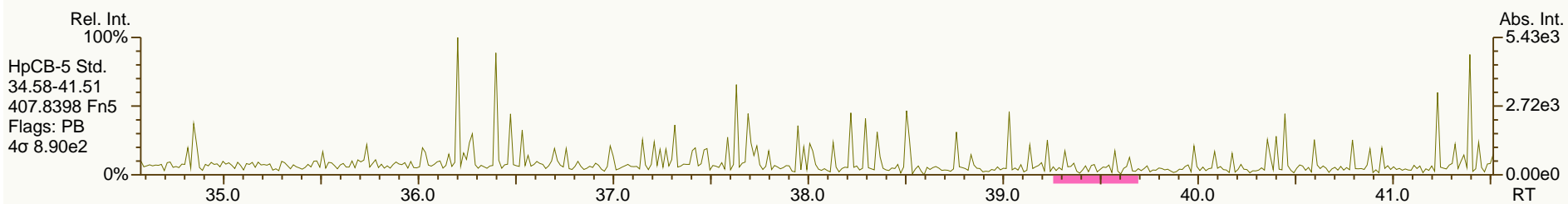
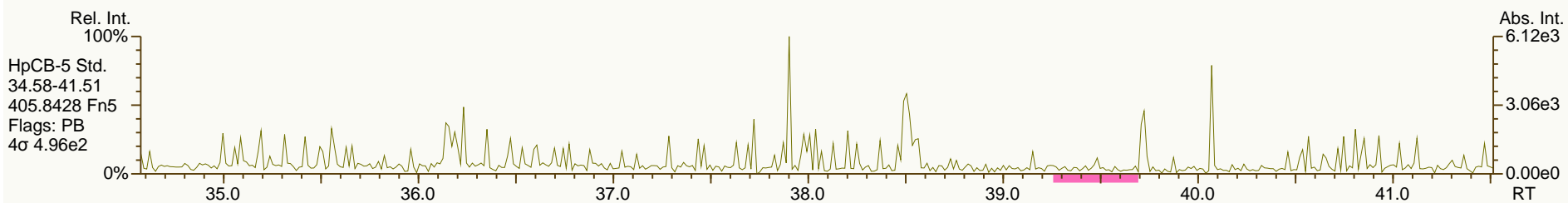
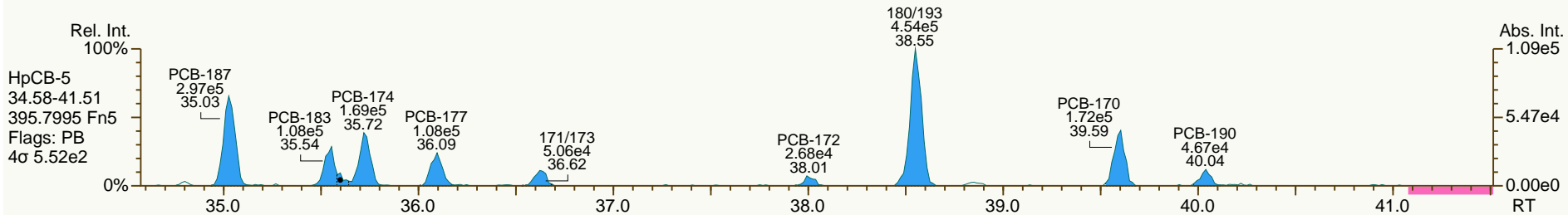
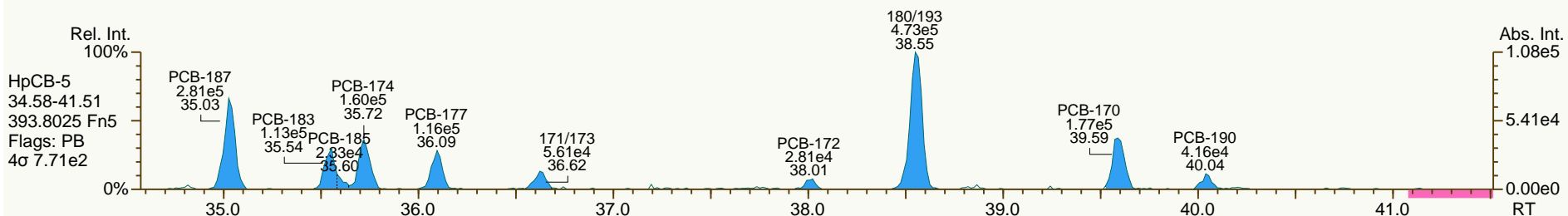
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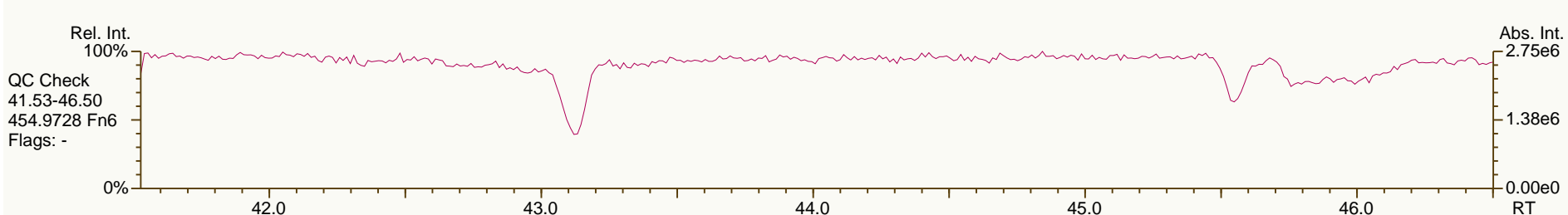
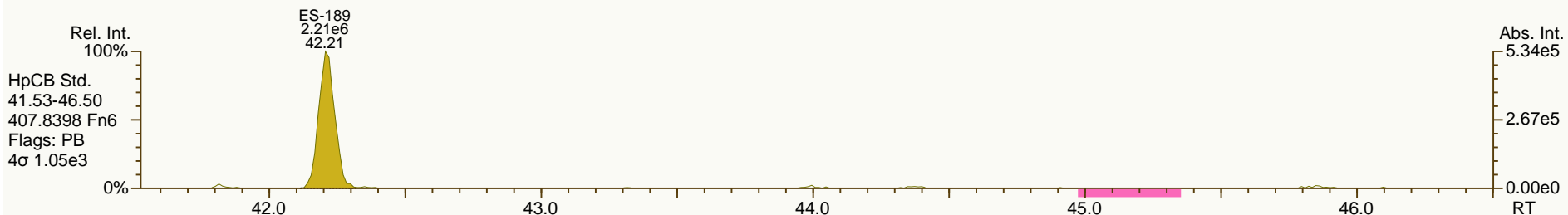
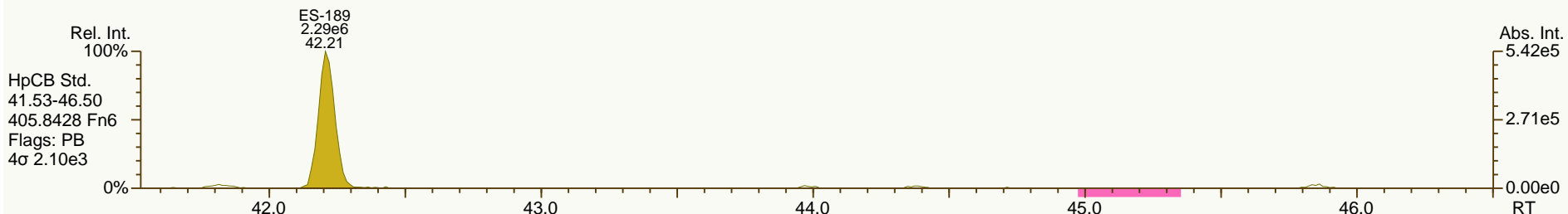
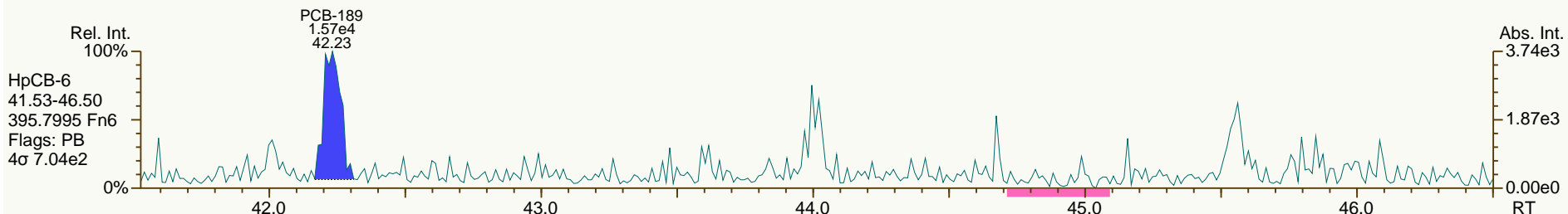
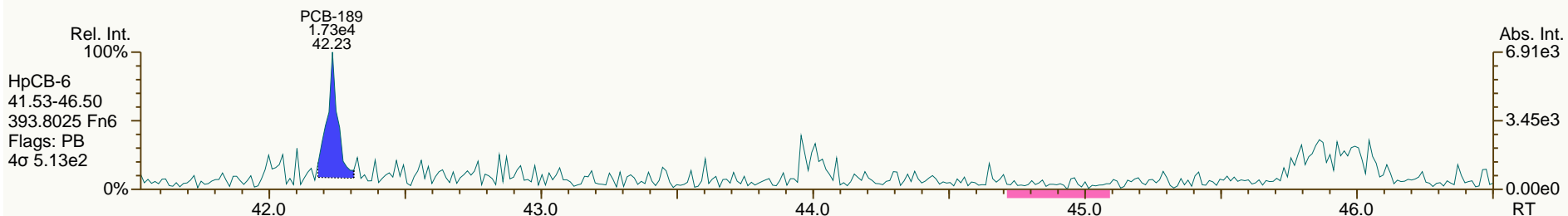
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AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

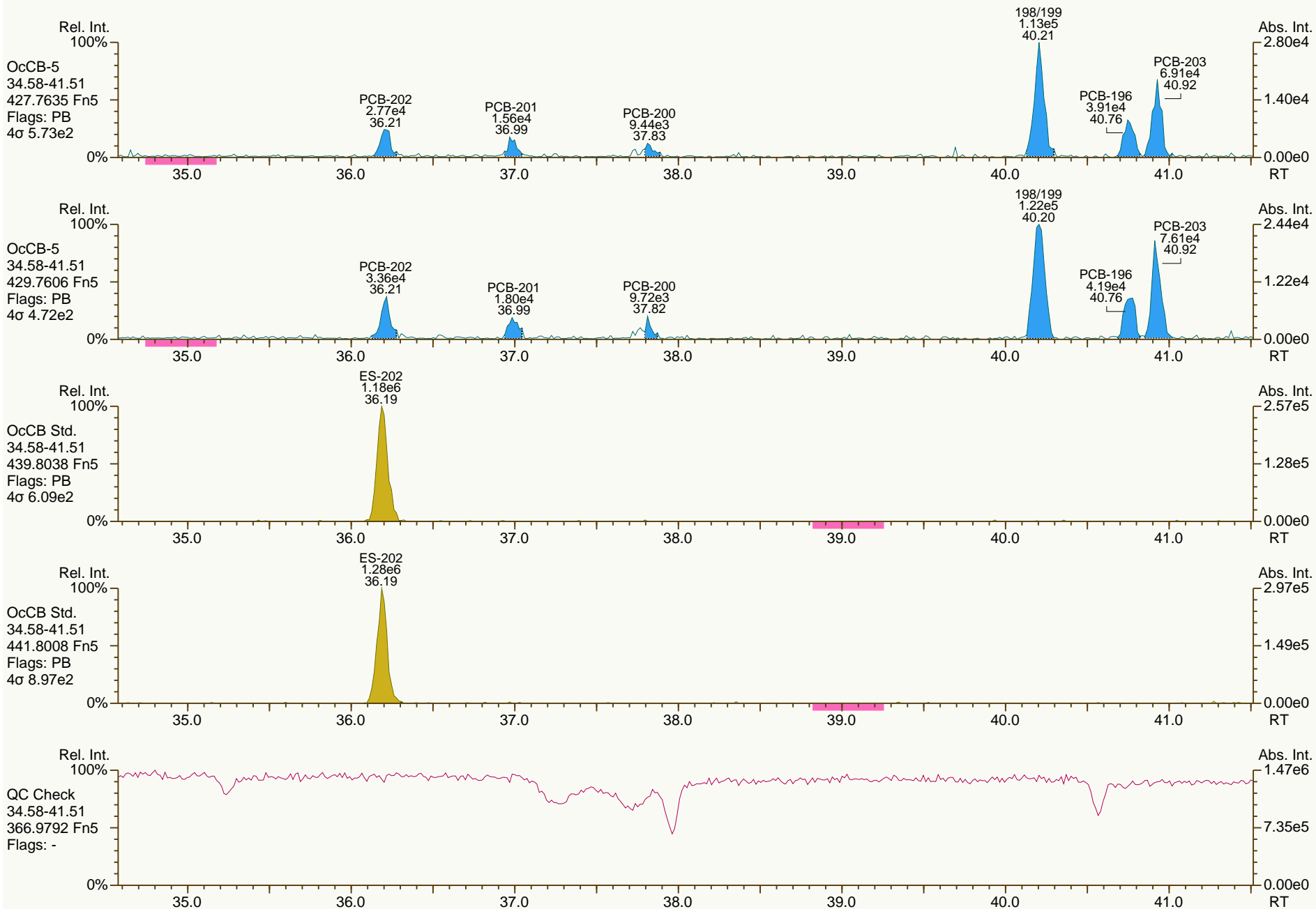
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AP Lab ID: A4371_9893_PCB_008-RJ
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

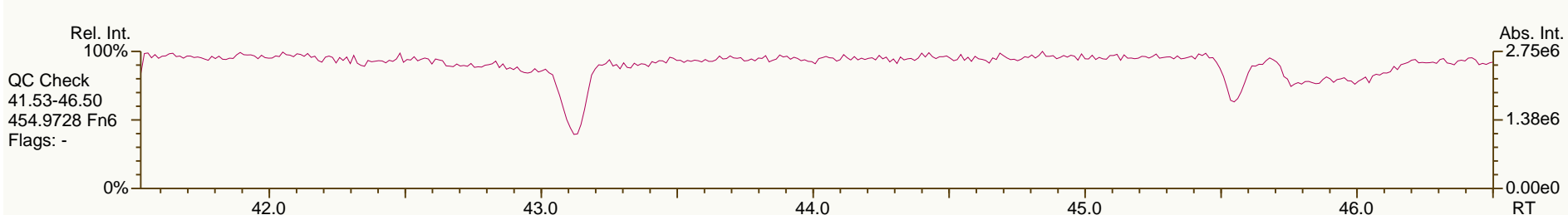
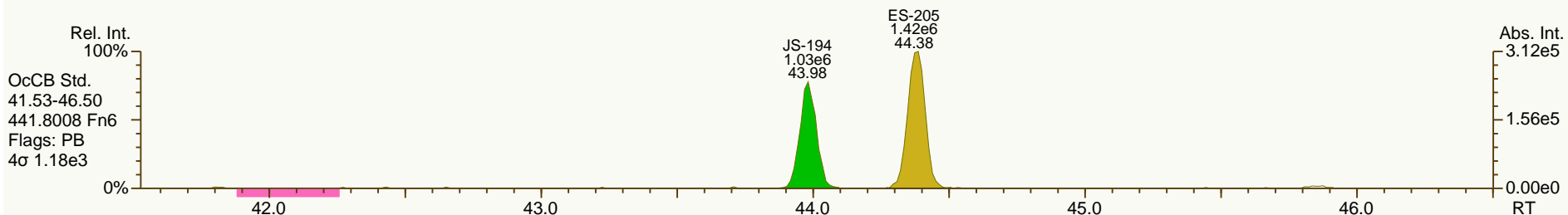
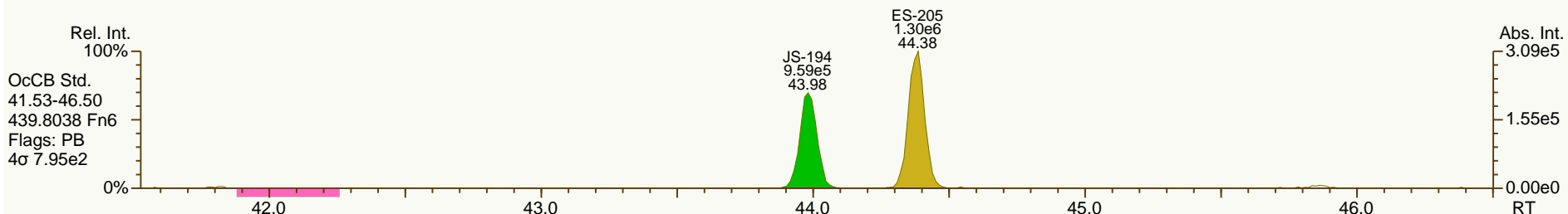
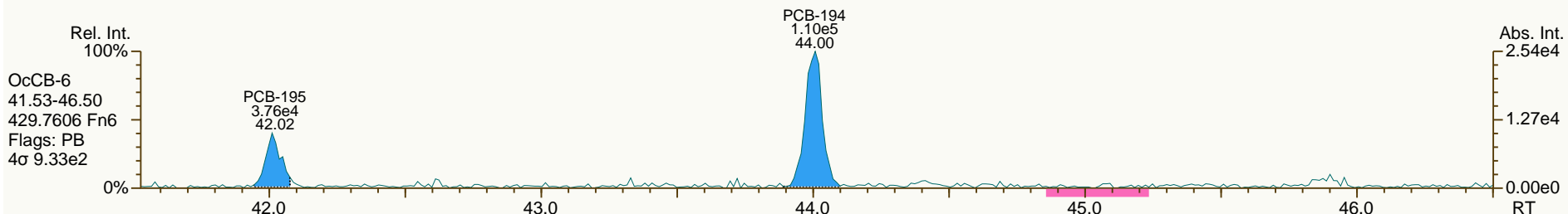
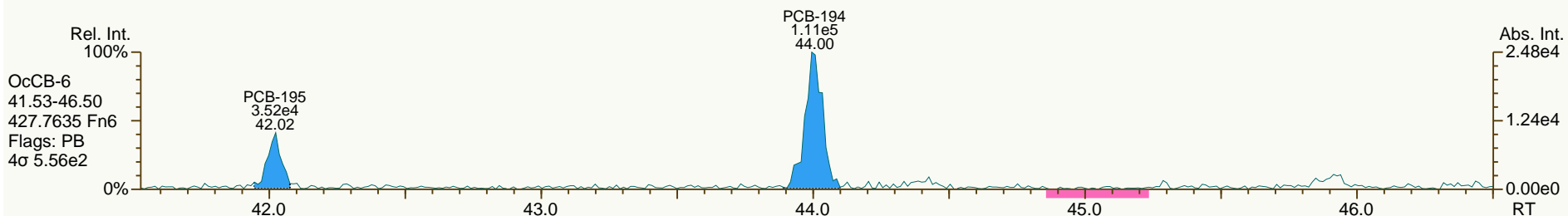
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AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

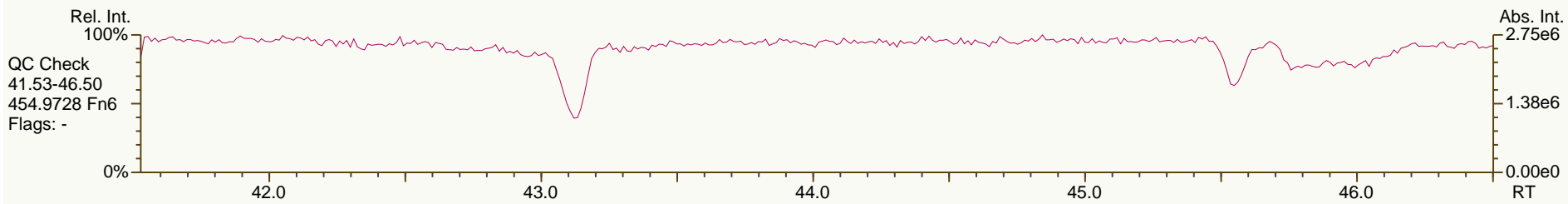
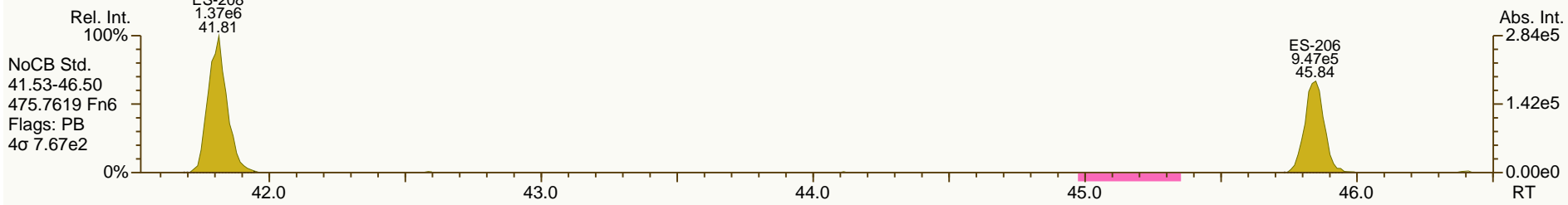
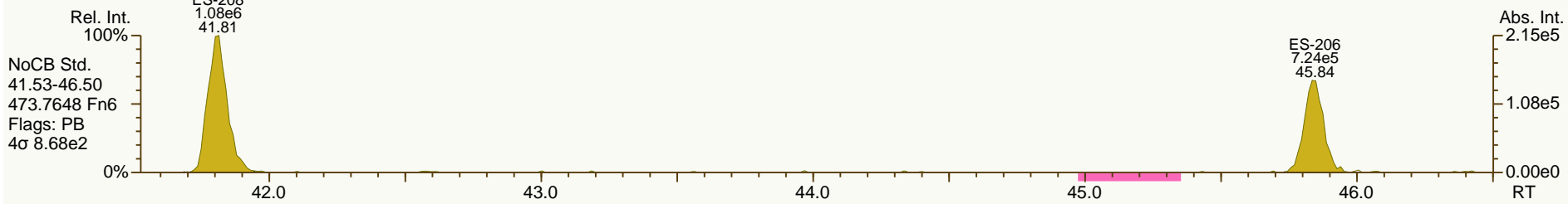
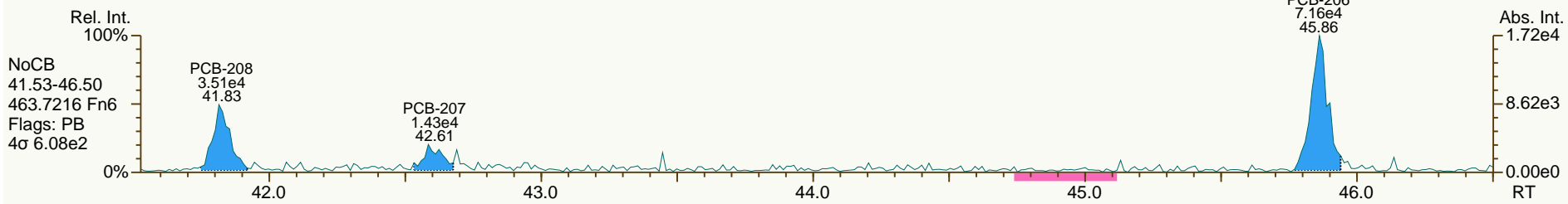
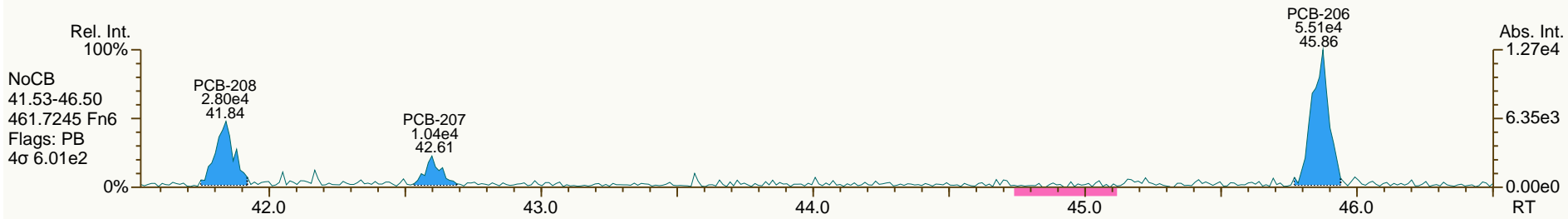
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AP Lab ID: A4371_9893_PCB_008-RJ
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Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

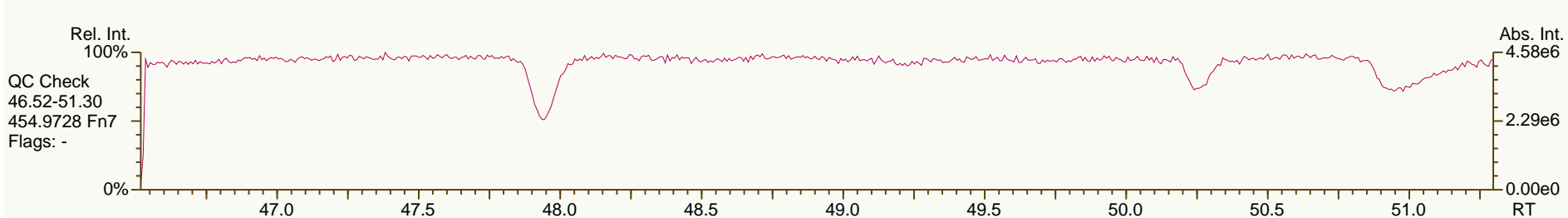
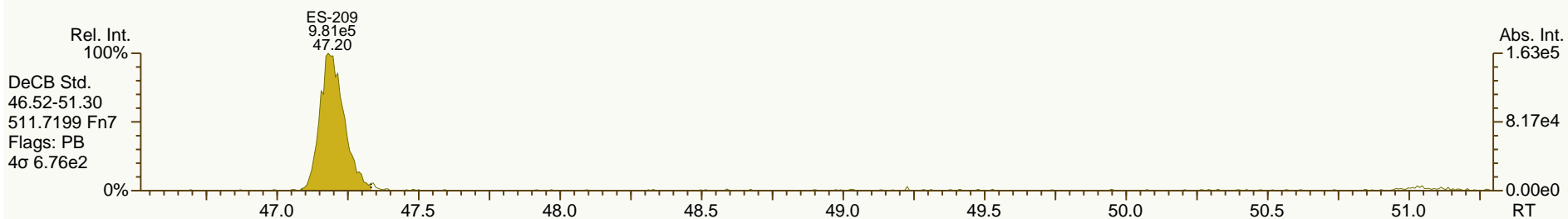
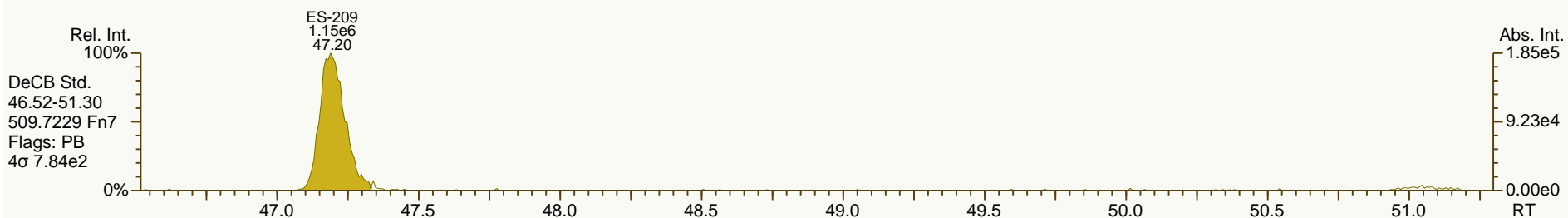
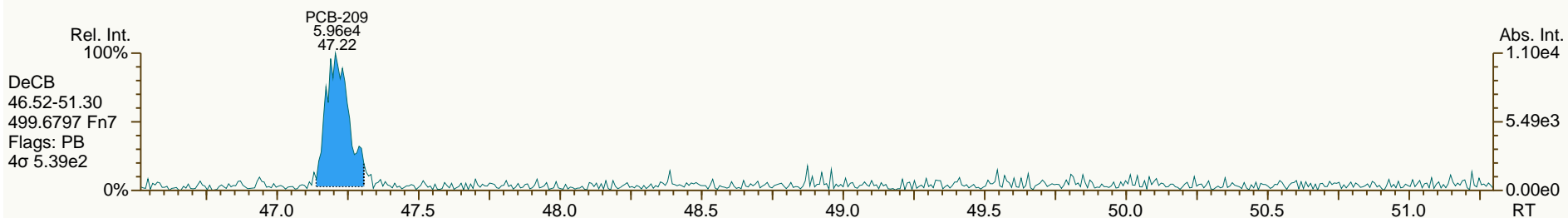
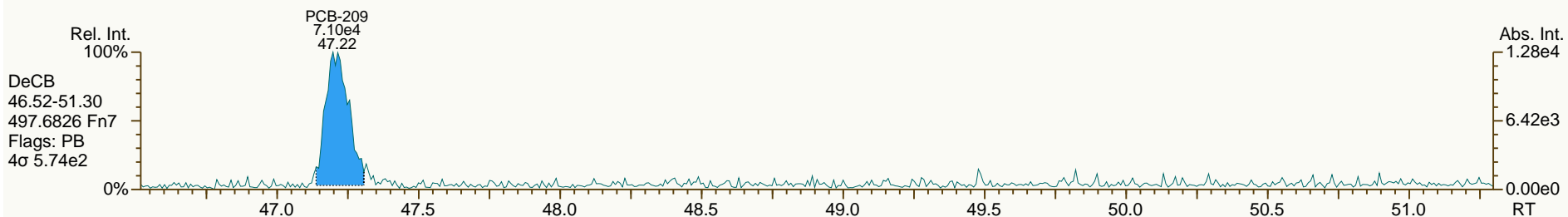
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AP Lab ID: A4371_9893_PCB_008-RJ
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Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

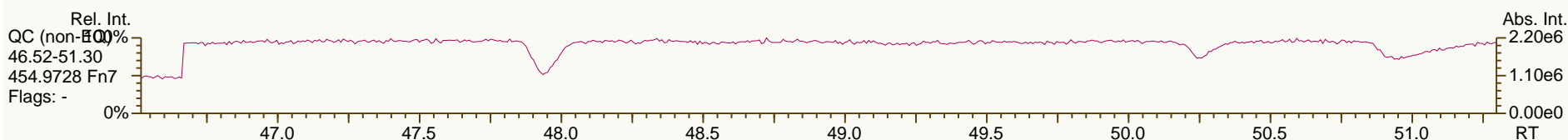
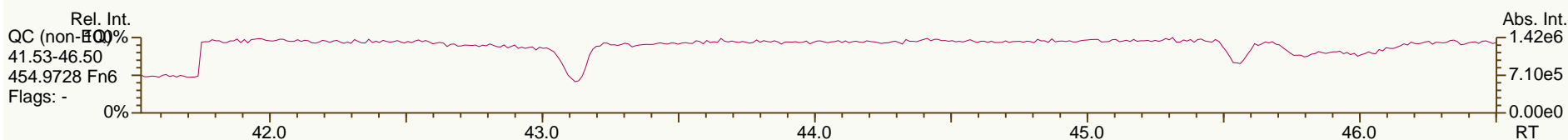
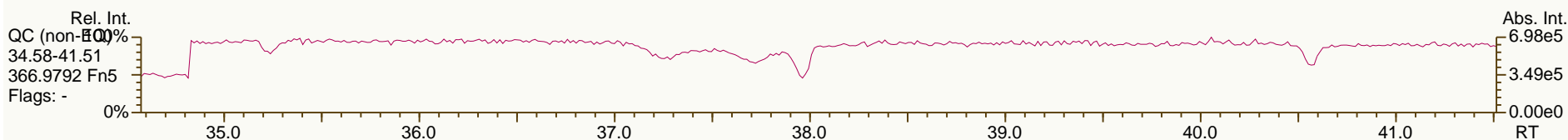
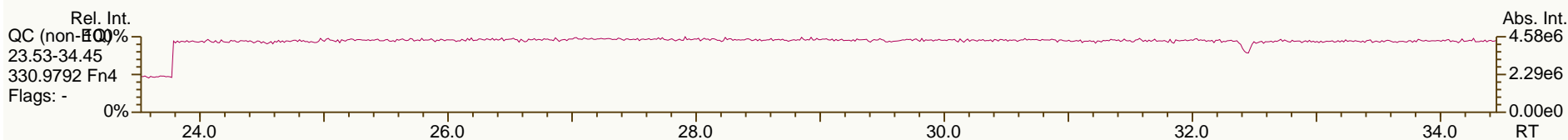
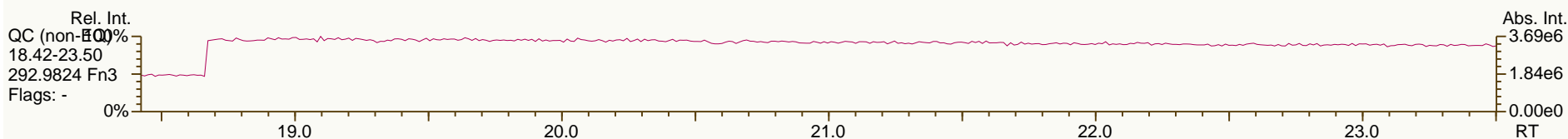
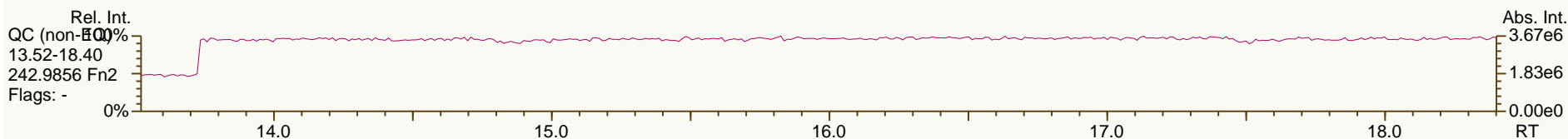
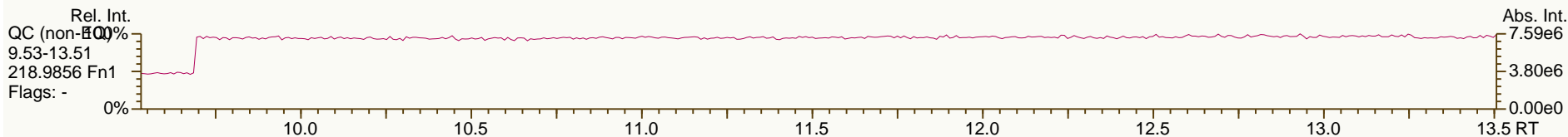
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AP Lab ID: A4371_9893_PCB_008-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-UR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 38

Acq: 05-Jul-2012 23:57:26
 User: LKB Datafile: 120705S14



Lab ID: A4371_9893_PCB_009-RJ

ACQ: 06-Jul-2012 00:52:32 LKB

Wt/Vol: 7.69 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-DR-COMP-120508

UTP: 09-Jul-2012 15:18 LKB

J-level: 1.3 pg/g Split: 1

Checkcode: 637-454-WXH

Datafile: 120705S15

RPT: 09-Jul-2012 15:39 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	1.21E+06	0.78	1.22	32.3	2.34E+03	0.674
PCB-81 344'5'-TeCB	28.81	J	1.0006	1.0009	+0.5	4.65E+04	0.73	1.24	1.21	2.34E+03	0.655
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	4.17E+06	0.61	1.03	219	9.22E+02	0.476
PCB-114 2344'5'-PeCB	31.68		1.0007	1.0007	0	2.14E+05	0.59	1.10	10.6	9.22E+02	0.461
PCB-118 23'44'5'-PeCB	31.24		1.0008	1.0007	-0.2	1.06E+07	0.61	1.03	537	9.22E+02	0.465
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0006	-0.2	1.72E+05	0.60	0.93	9.28	9.22E+02	0.513
PCB-126 33'44'5'-PeCB	34.81		1.0005	1.0002	-0.6	4.80E+04	0.59	1.11	1.52	1.58E+03	0.536
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0002	-0.7	1.39E+06	1.29	1.05	76.6	1.24E+03	0.879
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	4.42E+05	1.30	1.08	23	1.24E+03	0.695
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.24E+03	0.727
PCB-189 233'44'55'-HpCB	42.22		1.0005	1.0004	-0.3	1.02E+05	1.03	1.11	3.72	1.45E+03	0.568
PCB-209 DeCB	47.21		1.0004	1.0004	0	1.84E+05	1.18	1.05	15.1	1.54E+03	1.83
ES PCB-1	9.83		0.7181	0.7172	-0.5	5.09E+06	3.33	1.01	51.5 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	5.18E+06	3.33	1.05	50.4 %	11%	106%
ES PCB-4	11.97		0.8732	0.8728	-0.3	2.69E+06	1.56	0.70	39.5 %	14%	107%
ES PCB-15	17.09		1.2453	1.2460	+0.7	8.96E+06	1.65	1.17	78.3 %	19%	107%
ES PCB-19	14.67		1.0698	1.0697	-0.1	2.96E+06	1.04	0.57	53.5 %	1%	108%
ES PCB-37	23.08	V	1.0865	1.0872	+1.0	7.11E+06	1.11	1.41	124 %	25%	123%
ES PCB-54	17.31		0.8157	0.8154	-0.3	4.11E+06	0.76	1.32	76.4 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3781	+0.7	7.92E+06	0.81	1.22	160 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3562	+0.9	8.05E+06	0.81	1.15	172 %	14%	127%
ES PCB-104	22.03		0.8147	0.8146	-0.1	3.70E+06	1.74	1.69	55.8 %	36%	115%
ES PCB-105	32.19		1.1906	1.1904	-0.4	4.83E+06	1.67	1.21	102 %	50%	111%
ES PCB-114	31.66		1.1709	1.1707	-0.4	4.78E+06	1.58	1.23	98.9 %	41%	121%
ES PCB-118	31.22		1.1547	1.1545	-0.4	4.97E+06	1.61	1.25	102 %	49%	111%
ES PCB-123	30.94		1.1444	1.1442	-0.4	5.22E+06	1.57	1.33	100 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2871	0	7.35E+06	1.59	1.36	138 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7941	+0.3	4.24E+06	1.32	1.40	90 %	25%	124%
ES PCB-156/157	37.34		1.1035	1.1037	+0.4	9.03E+06	1.30	1.13	119 %	40%	120%
ES PCB-167	36.39	V	1.0753	1.0754	+0.2	4.62E+06	1.34	1.13	122 %	45%	118%
ES PCB-169	40.08		1.1842	1.1845	+0.7	4.45E+06	1.28	1.14	116 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	3.38E+06	1.09	1.34	75 %	23%	125%
ES PCB-189	42.20	V	0.9598	0.9598	0	6.42E+06	1.06	1.77	123 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	3.55E+06	0.94	1.27	83.1 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.03E+06	0.93	1.25	109 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0425	+0.3	2.63E+06	0.80	1.07	83.5 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	3.38E+06	0.79	1.34	85.8 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.02E+06	1.23	1.18	86.6 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	7.87E+06	1.10	0.98	113 %	14%	131%
CS/SS PCB-111	29.32		1.0843	1.0841	-0.4	5.09E+06	1.57	0.90	109 %	57%	112%
CS/SS PCB-178	34.23		1.0118	1.0118	0	2.55E+06	1.05	0.65	117 %	57%	125%
CS PCB-28	19.68	V	0.9269	0.9268	-0.1	7.87E+06	1.10	1.39	140 %	14%	131%
CS PCB-111	29.32		1.0843	1.0841	-0.4	5.09E+06	1.57	1.19	109 %	57%	112%
CS PCB-178	34.23		1.0118	1.0118	0	2.55E+06	1.05	0.87	87.6 %	57%	125%
JS PCB-9	13.71					9.76E+06	1.66				
JS PCB-52	21.23					4.06E+06	0.77				
JS PCB-101	27.04					3.93E+06	1.63				
JS PCB-138	33.83					3.36E+06	1.29				
JS PCB-194	43.97					2.95E+06	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	137	137	0.56		
						Di-CBs	274	289	4.23		
						Tri-CBs	803	803	1.59		
						Tetra-CBs	1,640	1,640	0.511		
						Penta-CBs	3,080	3,080	0.471		
						Hexa-CBs	2,370	2,380	0.653		
						Hepta-CBs	589	589	0.519		
						Octa-CBs	180	184	0.598		
						Nona-CBs	39.9	39.9	1.46		
PCB-1 2-MoCB	9.84		1.0011	1.0011	0	9.88E+05	3.32	1.20	42.1	2.22E+03	0.489
PCB-2 3-MoCB	11.62		0.9878	0.9878	0	4.41E+05	3.37	1.39	15.9	2.22E+03	0.513
PCB-3 4-MoCB	11.78		1.0010	1.0011	+0.1	1.78E+06	3.27	1.13	79.1	2.22E+03	0.632
PCB-4 22'-DiCB	11.98	EMPC	1.0012	1.0011	-0.1	1.44E+05	1.27	0.94	14.7	8.99E+03	5.78
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.56	ND	8.99E+03	3.49
PCB-9 25-DiCB	13.73		1.0011	1.0011	0	1.13E+05	SI	0.93	3.51	3.47E+03	0.916
PCB-7 24-DiCB	13.87		1.0116	1.0115	-0.1	1.13E+05	SI	1.10	2.97	3.47E+03	0.777
PCB-6 23'-DiCB	14.07		1.0261	1.0262	+0.1	3.69E+05	1.52	1.01	10.6	1.09E+04	2.66
PCB-5 23-DiCB	14.33		1.0451	1.0452	+0.1	5.41E+04	SI	1.02	1.55	3.47E+03	0.84
PCB-8 24'-DiCB	14.44		1.0533	1.0534	+0.1	2.05E+06	1.56	1.05	56.8	1.09E+04	2.56
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.09E+04	2.23
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	4.56E+06	1.54	1.04	128	1.09E+04	2.59
PCB-13/12 34'/34-DiCB	16.82	C	0.9855	0.9847	-0.8	3.36E+05	SI	1.03	9.43	3.47E+03	0.826
PCB-15 44'-DiCB	17.10		1.0008	1.0008	0	2.13E+06	1.53	1.01	61.5	1.09E+04	2.67

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0012	+0.1	4.92E+04	1.03	1.01	4.28	2.68E+03	1.72
PCB-30/18 246/22'5-TrCB	16.30	C	1.1110	1.1116	+0.6	1.03E+06	1.09	1.32	68.4	2.68E+03	1.31
PCB-17 22'4-TrCB	16.66		1.1357	1.1360	+0.3	4.63E+05	1.08	1.12	36.1	2.68E+03	1.54
PCB-27 23'6-TrCB	16.84		1.1479	1.1481	+0.2	1.04E+05	1.09	1.46	6.26	2.68E+03	1.19
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.48	ND	2.68E+03	1.17
PCB-16 22'3-TrCB	17.04		1.1612	1.1617	+0.5	3.12E+05	1.11	0.87	31.3	2.68E+03	1.99
PCB-32 24'6-TrCB	17.49		1.1923	1.1927	+0.4	5.08E+05	1.06	1.56	28.6	2.68E+03	1.11
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	5.03E+03	1.28
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	5.03E+03	1.22
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8221	-1.7	9.08E+05	1.10	1.43	23.2	5.03E+03	1.22
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	4.89E+05	1.17	1.43	12.5	5.03E+03	1.22
PCB-31 24'5-TrCB	19.44		0.8430	0.8424	-0.7	6.13E+06	1.08	1.49	151	5.03E+03	1.18
PCB-28/20 244'/233'-TrCB	19.69	C	0.8542	0.8533	-1.1	7.99E+06	1.08	1.37	214	5.03E+03	1.28
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8618	+0.7	2.96E+06	1.03	1.45	75	5.03E+03	1.21
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	2.05E+06	1.09	1.29	58.3	5.03E+03	1.36
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	5.03E+03	1.27
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	5.03E+03	1.23
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	5.03E+03	1.36
PCB-35 33'4-TrCB	22.75		0.9860	0.9857	-0.4	2.40E+05	1.17	1.26	6.97	5.03E+03	1.39
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	2.88E+06	1.12	1.20	87.9	5.03E+03	1.46
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	7.55E+02	0.403
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	2.03E+05	0.78	0.64	10.2	7.41E+02	0.401
PCB-45 22'36-TeCB	19.76		0.9304	0.9306	+0.2	1.53E+05	0.81	0.57	8.68	7.41E+02	0.454
PCB-51 22'46'-TeCB	19.84		0.9340	0.9344	+0.5	6.00E+04	0.78	0.64	3.04	7.41E+02	0.405
PCB-46 22'36'-TeCB	20.01		0.9429	0.9426	-0.4	5.39E+04	0.81	0.53	3.29	7.41E+02	0.488
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	3.93E+06	0.79	0.62	206	7.41E+02	0.42
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		0.82	ND	7.41E+02	0.316
PCB-43 22'35-TeCB	21.45		1.0106	1.0103	-0.4	6.60E+04	0.71	0.56	3.78	7.41E+02	0.458
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	2.01E+06	0.76	0.77	83.9	7.41E+02	0.334
PCB-48 22'45-TeCB	21.91		1.0319	1.0321	+0.3	3.97E+05	0.75	0.65	19.6	7.41E+02	0.395
PCB-44/47/65 ...-TeCB	22.09	C	1.0416	1.0408	-1.1	2.87E+06	0.79	0.69	134	7.41E+02	0.374
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0542	+0.1	2.42E+05	0.84	0.87	9	7.41E+02	0.297
PCB-42 22'34'-TeCB	22.54		1.0612	1.0615	+0.4	6.02E+05	0.80	0.63	31.1	7.41E+02	0.413
PCB-41 22'34-TeCB	22.85		1.0759	1.0762	+0.4	1.45E+05	0.77	0.55	8.47	7.41E+02	0.466
PCB-71/40 23'4'6/22'33'-TeCB	22.95	C	1.0806	1.0813	+1.0	1.08E+06	0.81	0.67	52	7.41E+02	0.384
PCB-64 234'6-TeCB	23.15		1.0899	1.0905	+0.8	1.53E+06	0.74	0.94	52.5	7.41E+02	0.274
PCB-72 23'55'-TeCB	23.90		0.8295	0.8302	+1.0	1.13E+05	0.74	1.11	3.28	2.34E+03	0.733
PCB-68 23'45'-TeCB	24.15		0.8379	0.8388	+1.3	6.81E+04	0.89	1.21	1.82	2.34E+03	0.675
PCB-57 233'5-TeCB	24.49	J	0.8501	0.8505	+0.6	2.87E+04	0.82	1.09	0.853	2.34E+03	0.749
PCB-58 233'5'-TeCB	24.69	J	0.8568	0.8576	+1.2	3.29E+04	0.69	1.10	0.968	2.34E+03	0.743
PCB-67 23'45-TeCB	24.84		0.8620	0.8629	+1.3	2.71E+05	0.78	1.14	7.7	2.34E+03	0.717
PCB-63 234'5-TeCB	25.06		0.8697	0.8705	+1.2	3.20E+05	0.81	1.20	8.61	2.34E+03	0.68
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8804	+1.8	1.76E+07	0.78	1.14	499	2.34E+03	0.715
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	9.46E+06	0.80	1.06	288	2.34E+03	0.768
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.14	ND	2.34E+03	0.716

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9083	+0.5	3.65E+06	0.77	1.06	111	2.34E+03	0.767
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	1.96E+06	0.77	1.14	55.5	2.34E+03	0.714
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	2.34E+03	0.663
PCB-79 33'45'-TeCB	27.97	EMPC	0.9718	0.9716	-0.3	1.41E+05	0.66	1.22	3.73	2.34E+03	0.668
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	2.34E+03	0.778
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.66E+02	0.378
PCB-96 22'366'-PeCB	22.35		1.0141	1.0144	+0.4	2.40E+04	0.54	0.92	1.84	5.66E+02	0.377
PCB-103 22'45'6'-PeCB	24.04	EMPC	0.8883	0.8891	+1.2	3.78E+04	0.77	0.78	2.41	9.22E+02	0.608
PCB-94 22'356'-PeCB	24.22	J EMPC	0.8946	0.8955	+1.3	1.35E+04	0.45	0.68	0.991	9.22E+02	0.701
PCB-95 22'35'6'-PeCB	24.58		0.9082	0.9091	+1.3	3.96E+06	0.62	0.70	283	9.22E+02	0.681
PCB-100/93 22'44'6'/22'356'-PeCB	24.79	C	0.9158	0.9168	+1.5	3.94E+04	0.58	0.73	2.7	9.22E+02	0.651
PCB-102 22'456'-PeCB	24.90		0.9198	0.9207	+1.3	1.28E+05	0.62	0.86	7.44	9.22E+02	0.553
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.67	ND	9.22E+02	0.713
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	9.22E+02	0.715
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	6.89E+05	0.63	0.82	41.9	9.22E+02	0.578
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9423	+1.1	1.09E+06	0.60	0.63	86	9.22E+02	0.749
PCB-89 22'346'-PeCB	25.88		0.9567	0.9571	+0.6	4.30E+04	0.59	0.66	3.26	9.22E+02	0.722
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	9.22E+02	0.479
PCB-92 22'355'-PeCB	26.58		0.9825	0.9827	+0.3	1.11E+06	0.62	0.70	79.7	9.22E+02	0.68
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0009	+1.6	7.36E+06	0.62	0.82	448	9.22E+02	0.579
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0149	-0.2	2.88E+05	0.61	0.60	24.2	9.22E+02	0.797
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	3.52E+06	0.61	0.72	244	9.22E+02	0.659
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	9.22E+02	0.504
PCB-108/119/86/97/125...-PeCB	28.01	C	1.0347	1.0355	+1.3	5.08E+06	0.61	0.84	301	9.22E+02	0.563
PCB-117 234'56'-PeCB	28.49		1.0539	1.0536	-0.5	1.61E+05	0.69	0.86	9.31	9.22E+02	0.551
PCB-116/85 23456/22'344'-PeCB	28.57	C	1.0566	1.0563	-0.5	1.23E+06	0.64	0.88	69.7	9.22E+02	0.538
PCB-110 233'4'6'-PeCB	28.70		1.0615	1.0614	-0.2	1.01E+07	0.61	0.87	576	9.22E+02	0.545
PCB-115 2344'6'-PeCB	28.81		1.0644	1.0651	+1.2	1.20E+05	0.61	1.00	5.99	9.22E+02	0.474
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0708	-0.5	6.11E+05	0.62	0.62	48.9	9.22E+02	0.762
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	9.22E+02	0.477
PCB-120 23'455'-PeCB	29.73		1.0994	1.0992	-0.4	4.61E+04	0.54	0.98	2.34	9.22E+02	0.483
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9910	+0.2	3.57E+05	0.59	0.92	19.3	9.22E+02	0.514
PCB-109 233'46'-PeCB	30.87		0.9976	0.9976	0	7.17E+05	0.62	0.90	39.5	9.22E+02	0.525
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	9.22E+02	0.515
PCB-122 233'4'5'-PeCB	31.51		1.0095	1.0093	-0.4	1.17E+05	0.60	0.94	6.75	9.22E+02	0.536
PCB-127 33'455'-PeCB	33.52	EMPC	1.0401	1.0412	+2.2	2.79E+04	0.52	0.99	1.52	9.22E+02	0.495
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.93E+02	0.312
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.93E+02	0.333
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.93E+02	0.328
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0215	-0.2	6.92E+05	1.22	0.92	46.3	5.93E+02	0.36
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.93E+02	0.347
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	5.93E+02	0.449
PCB-151/135 ...-HxCB	29.50	C	1.0986	1.0982	-0.7	1.53E+06	1.20	0.72	131	5.93E+02	0.461
PCB-154 22'44'56'-HxCB	29.73		1.1067	1.1065	-0.4	8.40E+04	1.09	0.81	6.38	5.93E+02	0.409
PCB-144 22'345'6'-HxCB	29.97		1.1158	1.1156	-0.4	2.15E+05	1.36	0.74	17.9	5.93E+02	0.448

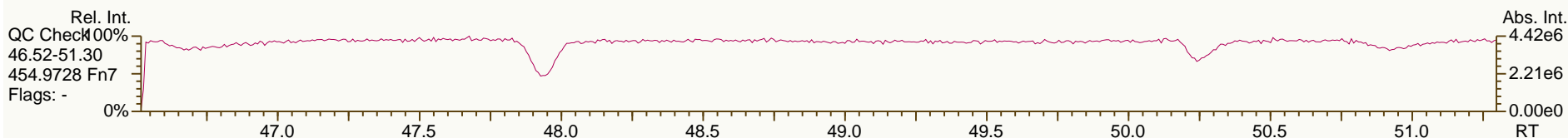
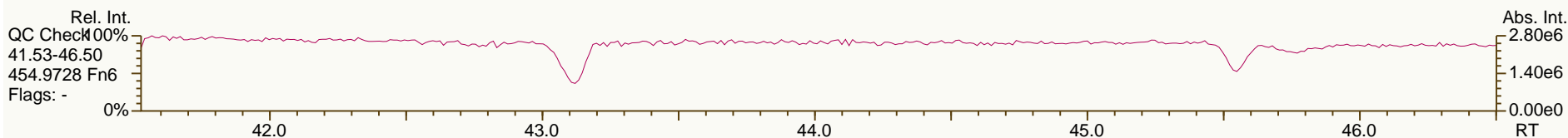
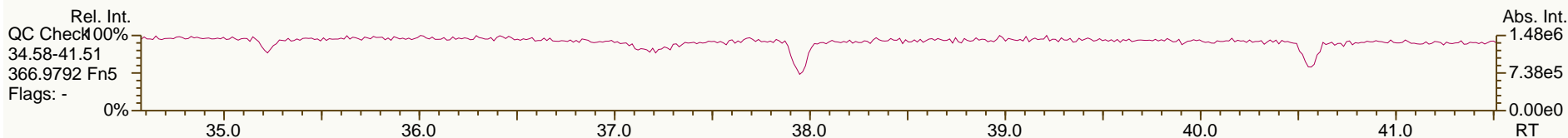
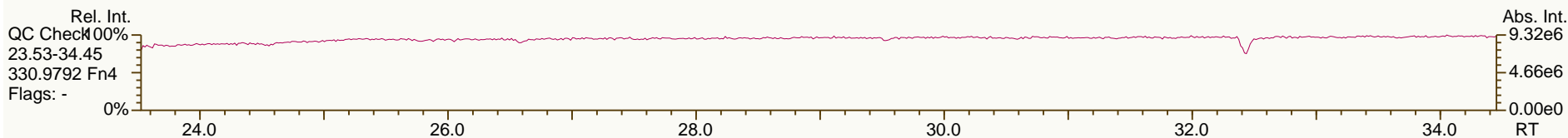
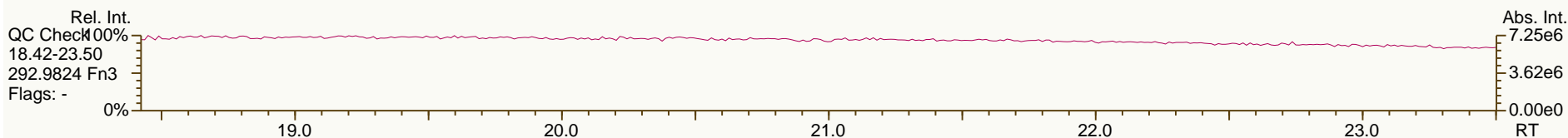
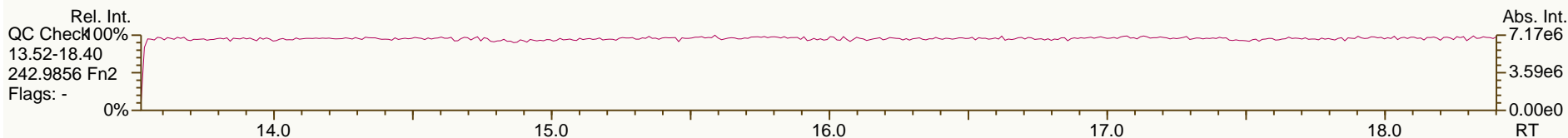
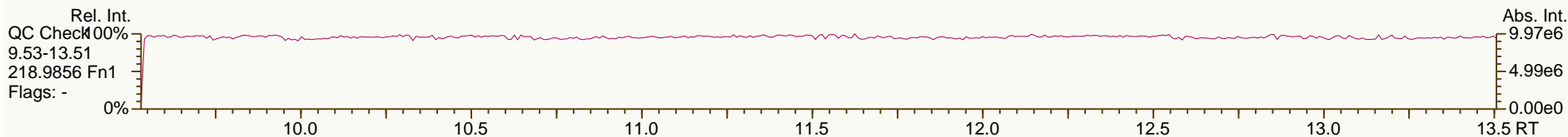
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1265	-0.7	4.26E+06	1.29	0.75	348	5.93E+02	0.44
PCB-134 22'33'56"-HxCB	30.42		1.1326	1.1324	-0.4	2.73E+05	1.28	0.59	28.2	5.93E+02	0.555
PCB-143 22'3456"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	5.93E+02	0.461
PCB-139/140 ...-HxCB	30.77	C	1.1458	1.1454	-0.7	1.35E+05	1.15	0.77	10.8	5.93E+02	0.428
PCB-131 22'33'46"-HxCB	30.93	EMPC	1.1516	1.1511	-0.9	6.15E+04	1.03	0.65	5.78	5.93E+02	0.505
PCB-142 22'3456"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.93E+02	0.482
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1652	-0.6	1.83E+06	1.24	0.67	169	5.93E+02	0.495
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1825	-0.2	9.67E+04	1.32	0.69	8.63	5.93E+02	0.48
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.93E+02	0.388
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9550	0	1.02E+06	1.24	0.76	82.6	5.93E+02	0.435
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.93E+02	0.356
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	6.46E+06	1.23	0.89	446	5.93E+02	0.371
PCB-141 22'3455"-HxCB	32.98		0.9746	0.9747	+0.2	9.30E+05	1.22	0.73	78.1	5.93E+02	0.452
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9847	0	4.40E+05	1.21	0.63	42.8	5.93E+02	0.522
PCB-137 22'344'5"-HxCB	33.51		0.9904	0.9903	-0.2	3.35E+05	1.14	0.81	25.3	5.93E+02	0.406
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	5.61E+05	1.24	0.89	38.5	5.93E+02	0.369
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	8.20E+06	1.22	0.78	640	5.93E+02	0.42
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.93E+02	0.379
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	9.90E+05	1.27	1.00	60.5	5.93E+02	0.329
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	1.51E+06	1.35	0.97	87.8	1.24E+03	0.773
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.24E+03	0.693
PCB-162 233'4'55"-HxCB	36.01		0.9896	0.9897	+0.2	3.60E+04	1.29	1.14	1.78	1.24E+03	0.658
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.74E+02	0.322
PCB-179 22'33'566"-HpCB	31.95		1.0089	1.0089	0	4.09E+05	0.92	1.06	29.6	4.74E+02	0.323
PCB-184 22'344'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.74E+02	0.331
PCB-176 22'33'466"-HpCB	32.69		1.0324	1.0323	-0.2	1.19E+05	1.04	1.13	8.09	4.74E+02	0.303
PCB-186 22'34566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.74E+02	0.312
PCB-178 22'33'55'6"-HpCB	34.26		1.0816	1.0818	+0.4	1.92E+05	1.07	0.78	19	4.74E+02	0.44
PCB-175 22'33'45'6"-HpCB	34.80		1.0985	1.0988	+0.6	4.13E+04	0.96	0.86	3.68	7.02E+02	0.589
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1059	+0.4	1.35E+06	1.04	0.89	117	7.02E+02	0.57
PCB-182 22'344'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	7.02E+02	0.553
PCB-183 22'344'5'6"-HpCB	35.53		1.1219	1.1221	+0.4	5.76E+05	1.00	0.92	48.1	7.02E+02	0.552
PCB-185 22'3455'6"-HpCB	35.62		1.1241	1.1247	+1.3	9.21E+04	0.91	0.88	8.04	7.02E+02	0.576
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1278	+0.4	7.45E+05	1.04	0.78	73.9	7.02E+02	0.655
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1395	+0.4	5.68E+05	1.07	0.74	59.1	7.02E+02	0.687
PCB-181 22'344'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	7.02E+02	0.601
PCB-171/173 ...-HpCB	36.61	C	1.1556	1.1561	+1.1	2.79E+05	0.91	0.77	28.1	7.02E+02	0.664
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	1.36E+05	1.19	0.51	10.8	7.02E+02	0.599
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	7.02E+02	0.463
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	2.28E+06	1.03	0.84	110	7.02E+02	0.362
PCB-191 233'44'5'6"-HpCB	38.83		0.9203	0.9201	-0.5	4.61E+04	1.08	0.67	2.78	7.02E+02	0.453
PCB-170 22'33'44'5"-HpCB	39.58		0.9380	0.9379	-0.2	9.28E+05	1.06	0.70	54	7.02E+02	0.437
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9485	-0.2	2.30E+05	1.09	0.66	14.1	7.02E+02	0.46
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	1.44E+05	1.00	0.83	12.8	6.12E+02	0.615
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0221	0	7.19E+04	0.85	0.94	5.63	6.12E+02	0.543

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	6.12E+02	0.562
PCB-197 22'33'44'66'-OcCB	37.74	J EMPC	1.0431	1.0431	0	1.76E+04	1.51	1.00	1.28	6.12E+02	0.507
PCB-200 22'33'4566'-OcCB	37.81	EMPC	1.0451	1.0451	0	3.53E+04	0.58	0.88	2.95	6.12E+02	0.58
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1110	+1.9	4.39E+05	0.90	0.58	55.2	6.12E+02	0.872
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1262	+0.5	1.71E+05	0.89	0.60	21	6.12E+02	0.849
PCB-203 22'344'55'6-OcCB	40.91		1.1306	1.1308	+0.5	2.91E+05	0.83	0.63	33.7	6.12E+02	0.803
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9468	-0.3	1.64E+05	0.84	0.74	14.3	9.47E+02	0.861
PCB-194 22'33'44'55'-OcCB	43.99		0.9915	0.9915	0	4.56E+05	0.90	0.82	35.7	9.47E+02	0.769
PCB-205 233'44'55'6-OcCB	44.39		1.0004	1.0005	+0.3	2.35E+04	0.76	1.09	1.39	9.47E+02	0.581
PCB-208 22'33'455'66'-NoCB	41.83		1.0005	1.0005	0	1.04E+05	0.81	0.98	8.18	1.33E+03	1.26
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0190	-0.5	4.15E+04	0.83	1.01	3.17	1.33E+03	1.22
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	2.69E+05	0.80	0.93	28.6	1.33E+03	1.66

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 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

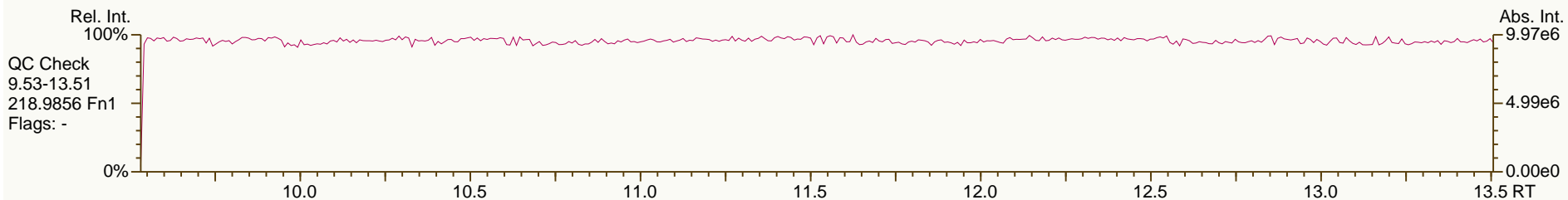
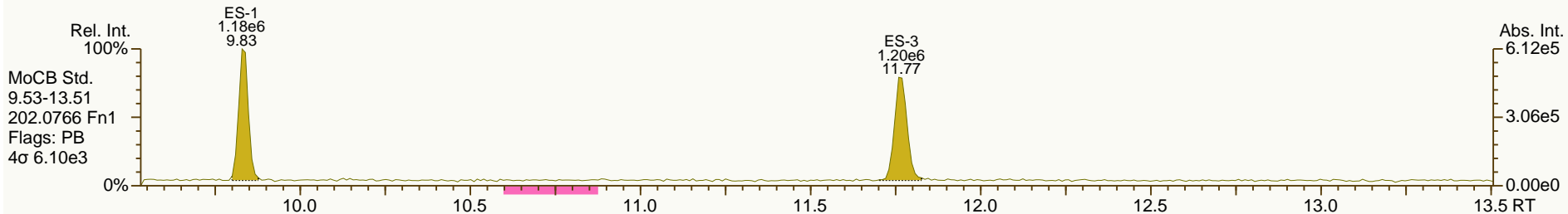
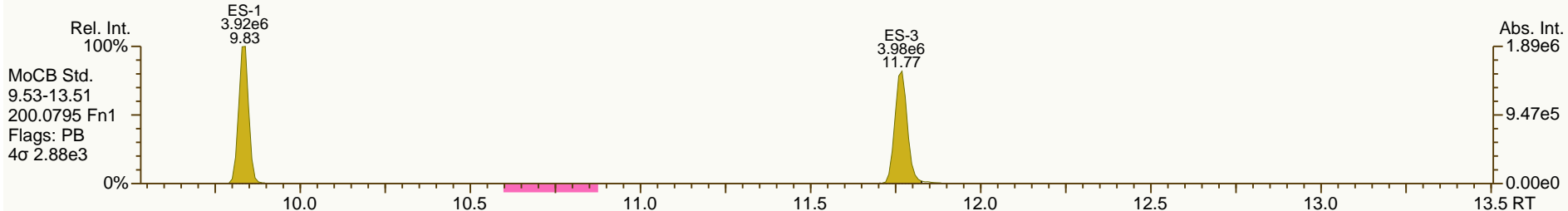
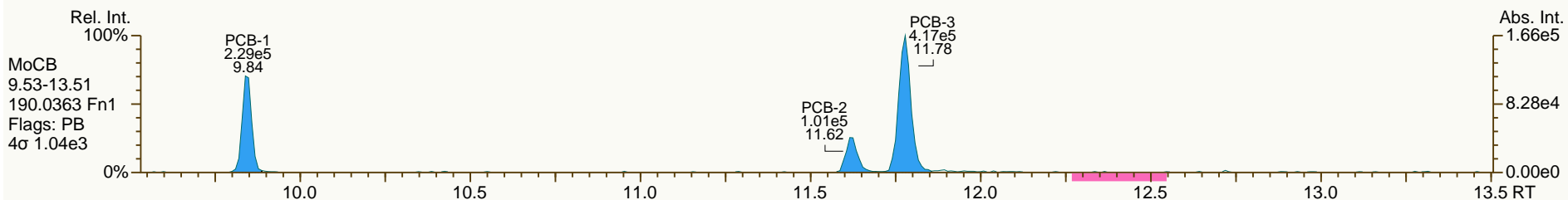
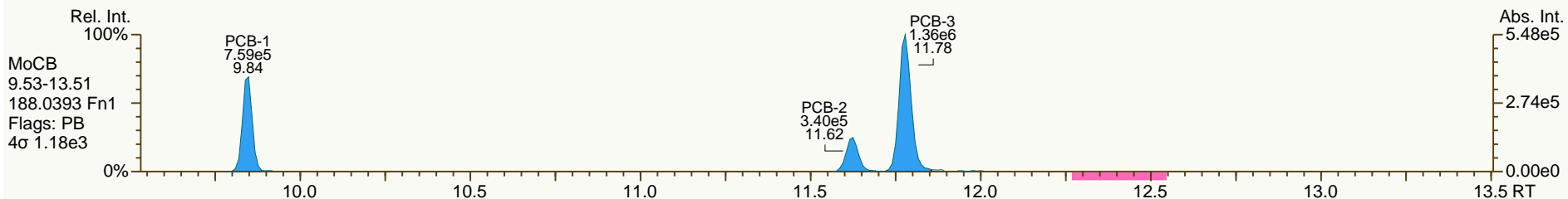
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AP Lab ID: A4371_9893_PCB_009-RJ
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Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

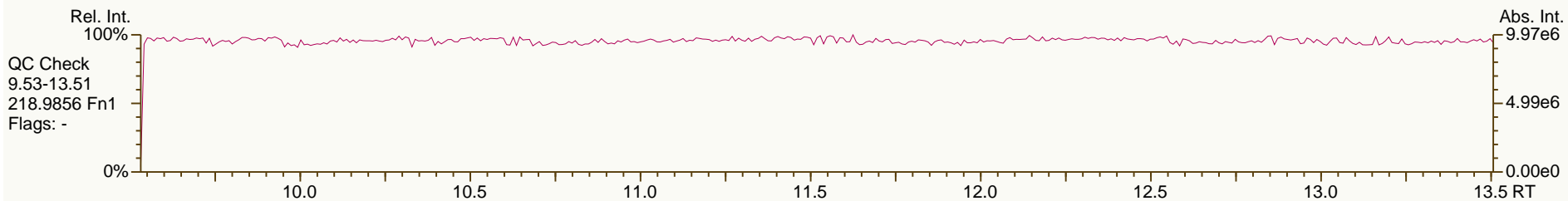
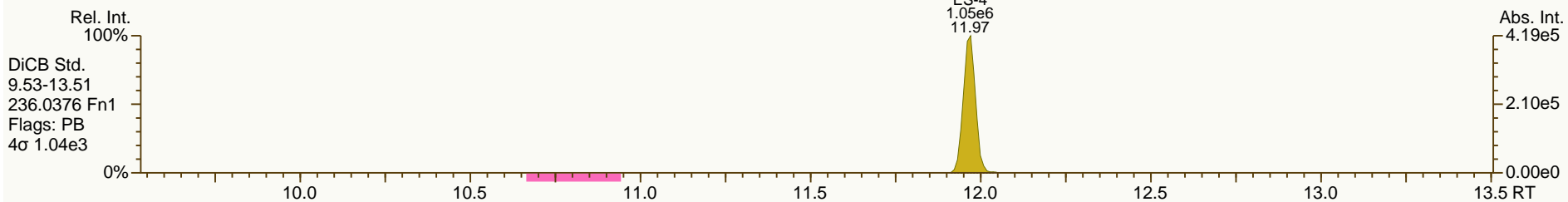
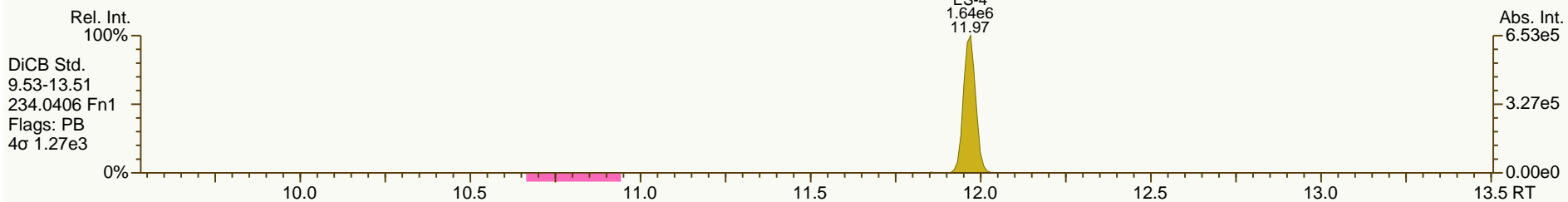
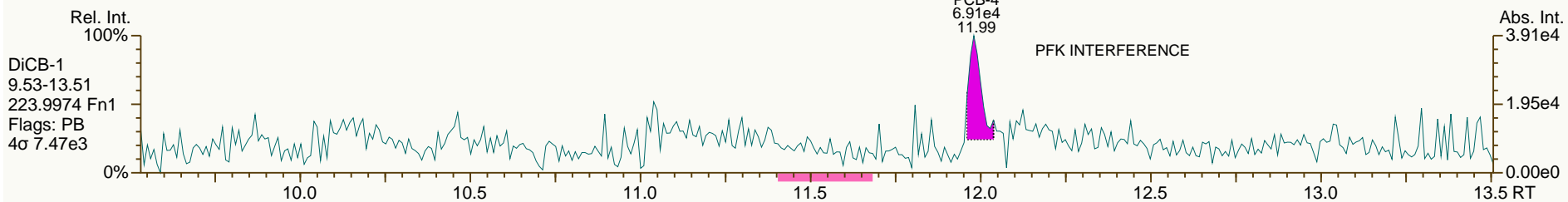
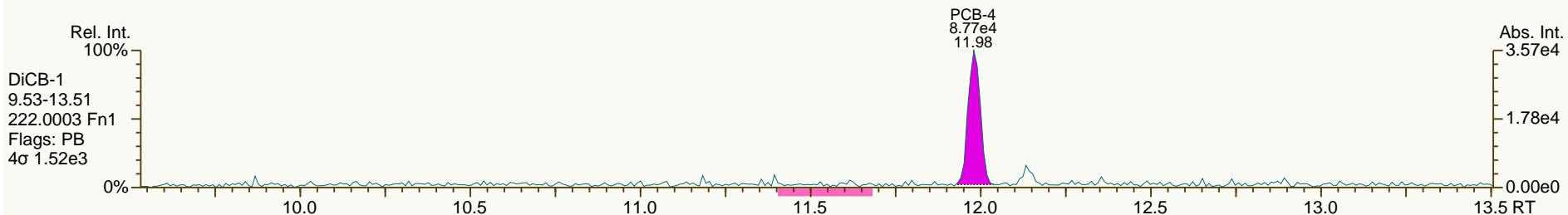
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Sample ID: JW-DR-COMP-120508
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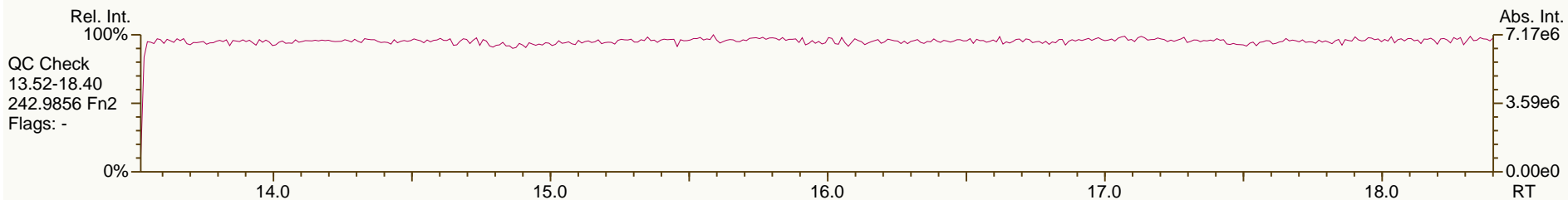
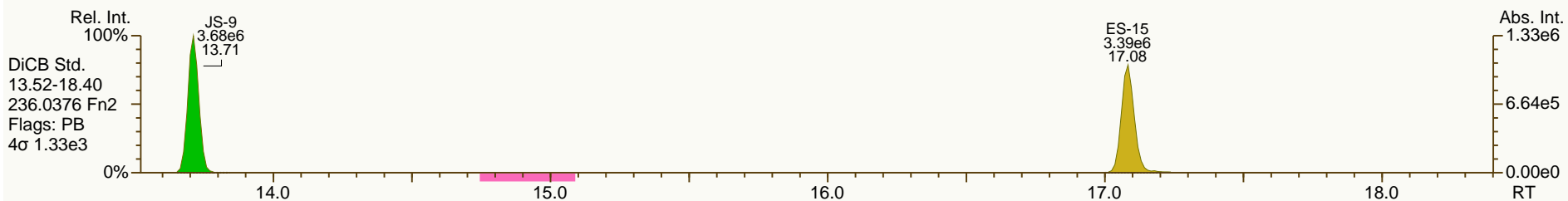
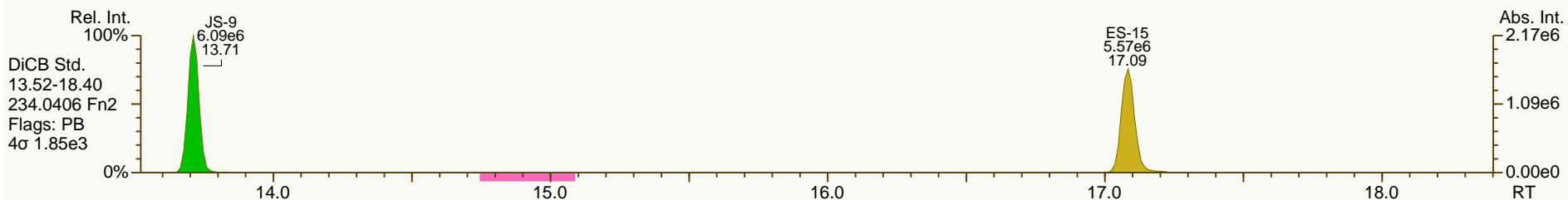
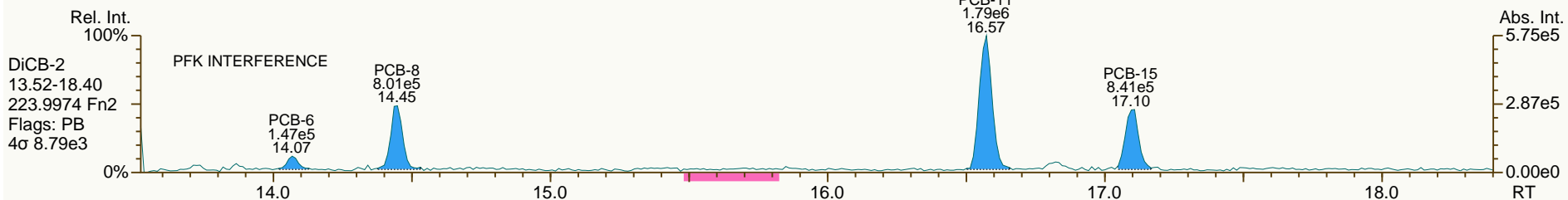
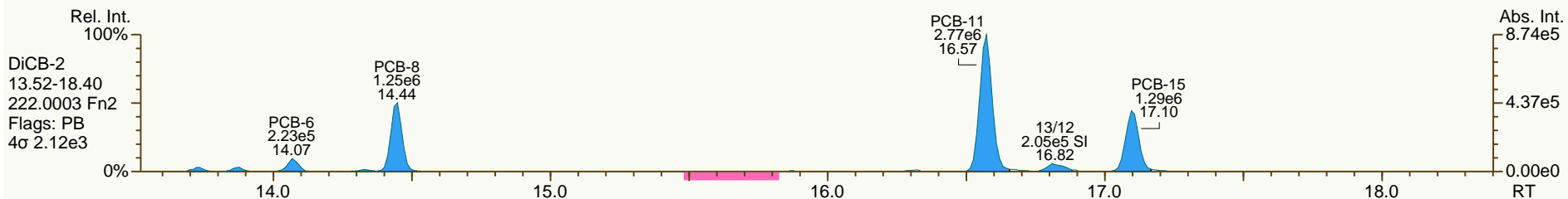
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Sample ID: JW-DR-COMP-120508
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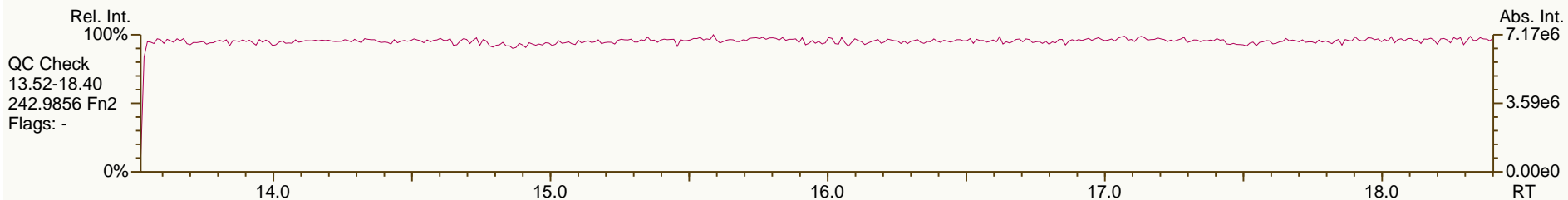
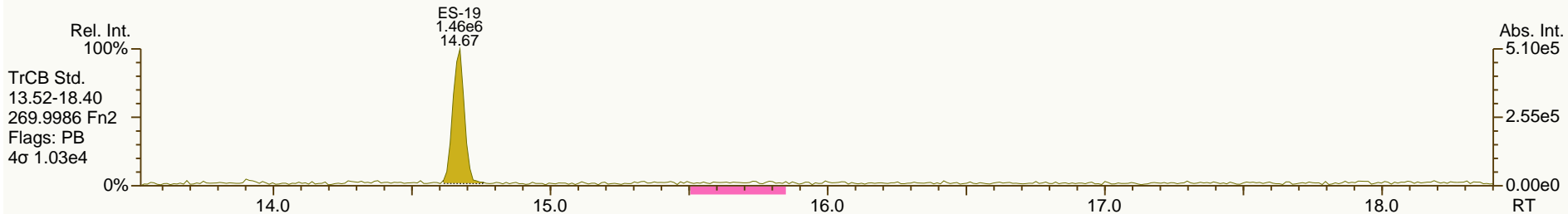
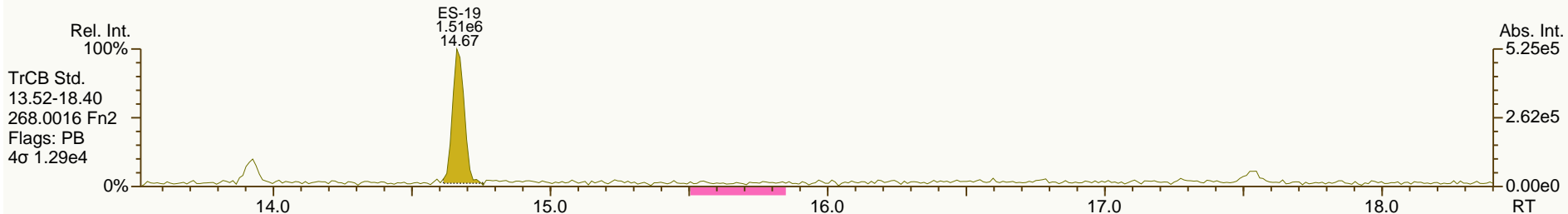
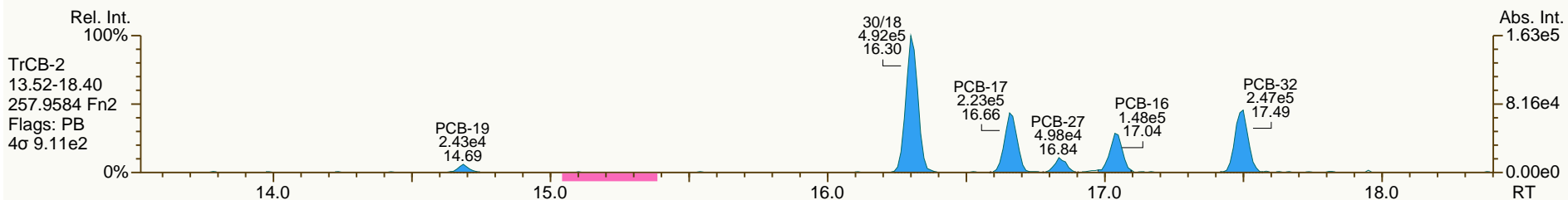
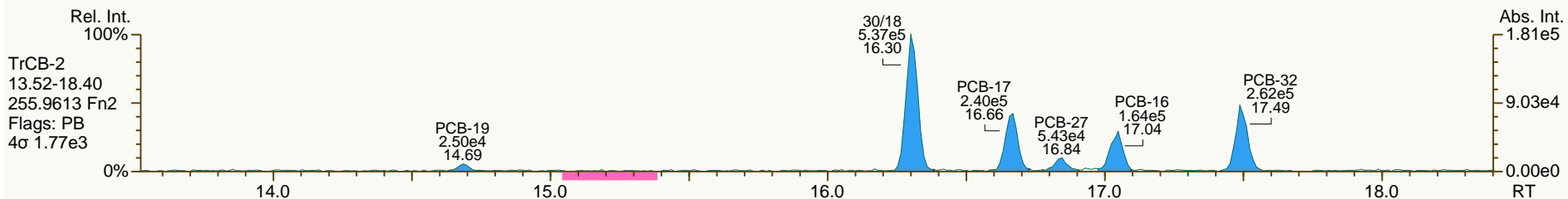
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AP Lab ID: A4371_9893_PCB_009-RJ
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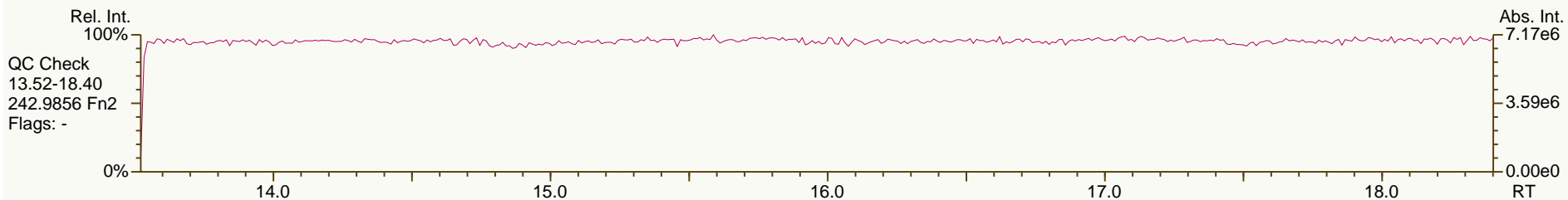
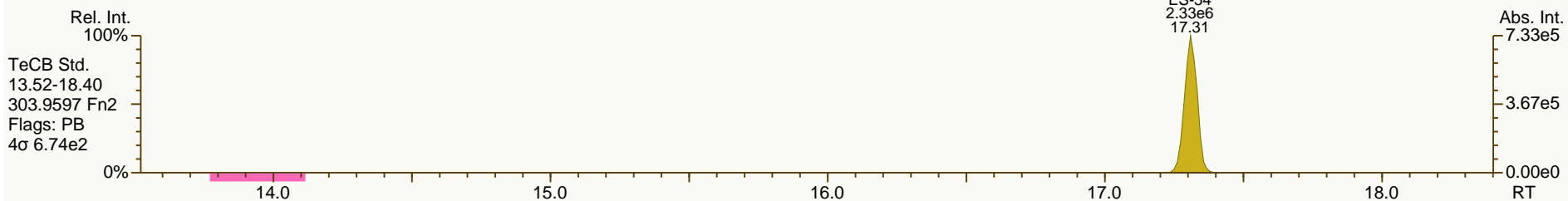
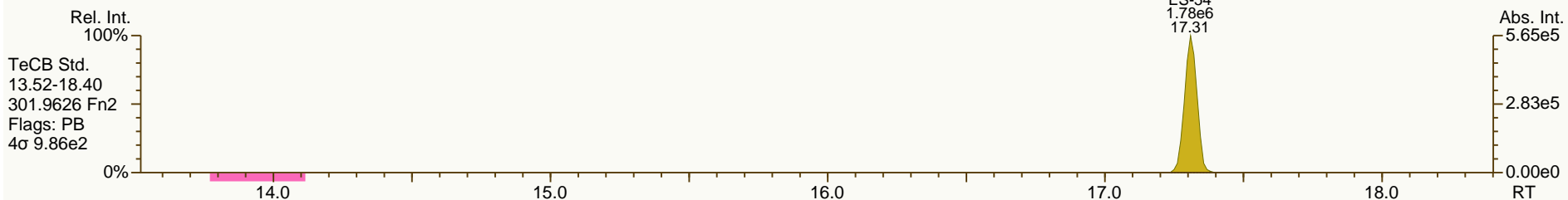
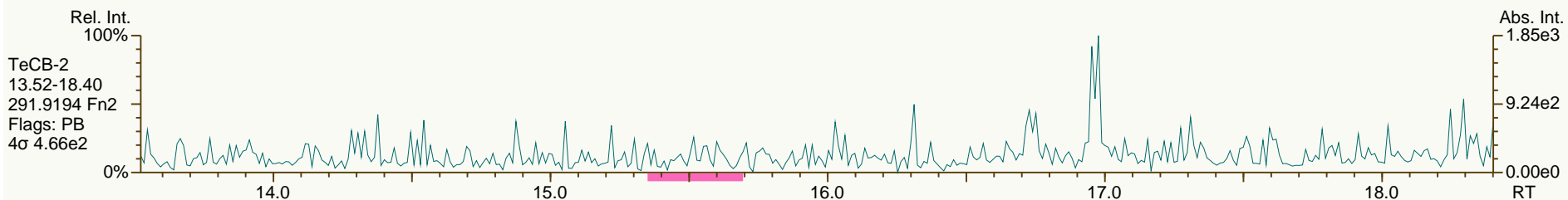
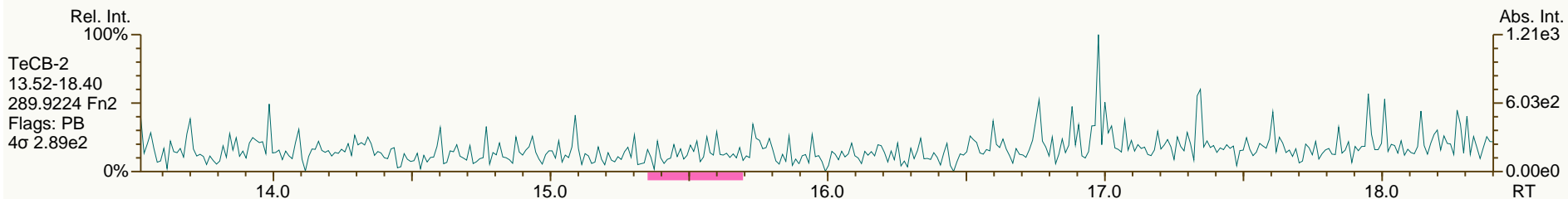
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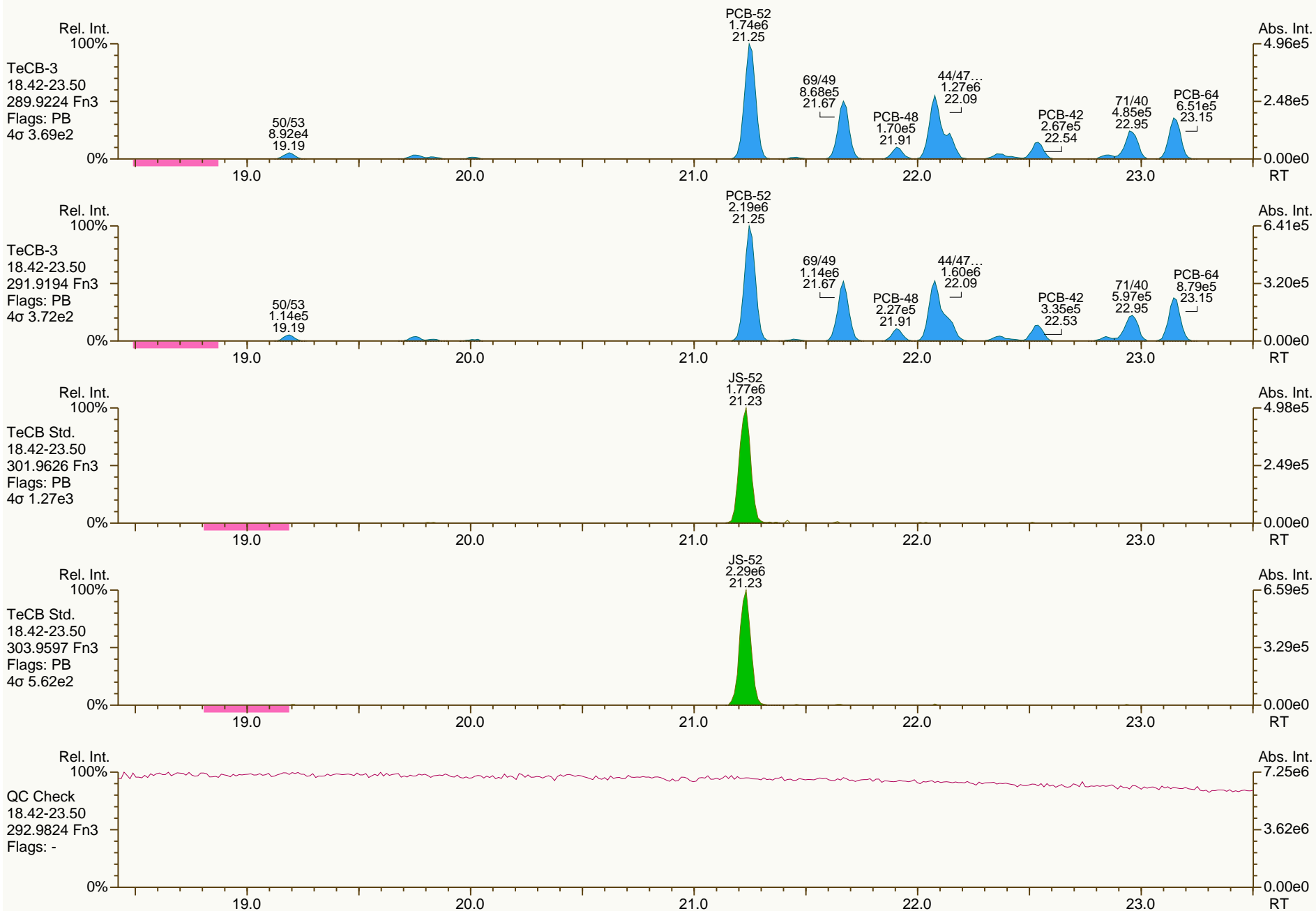
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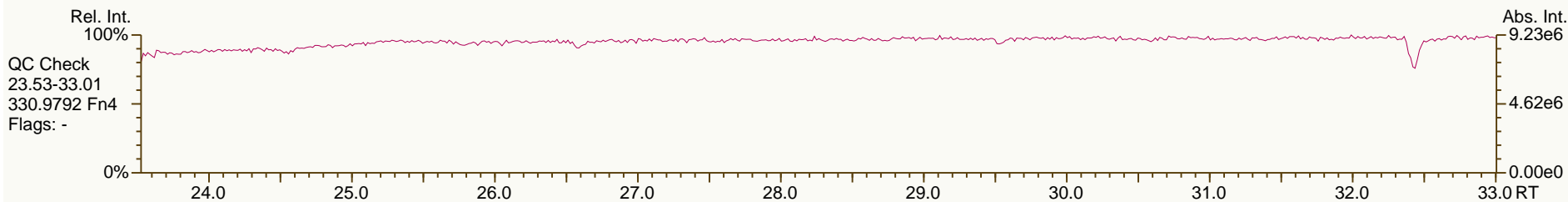
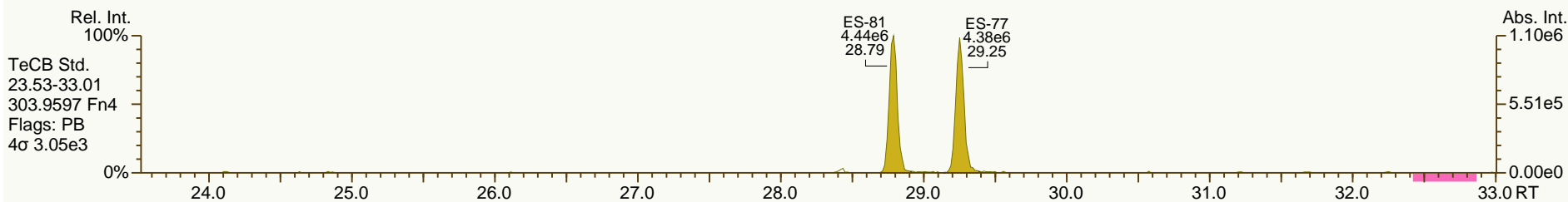
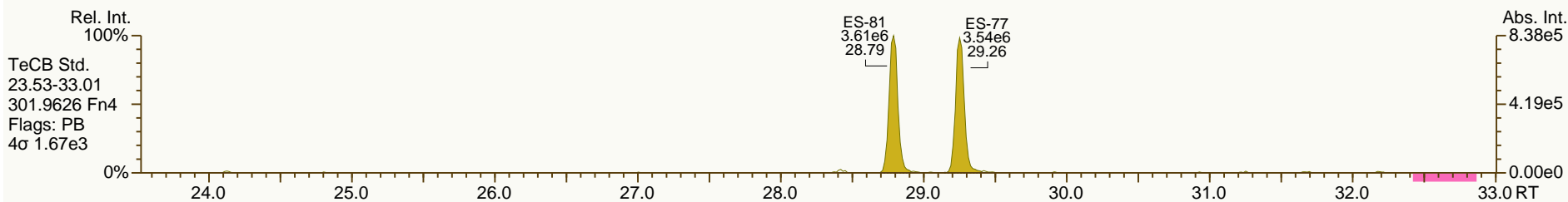
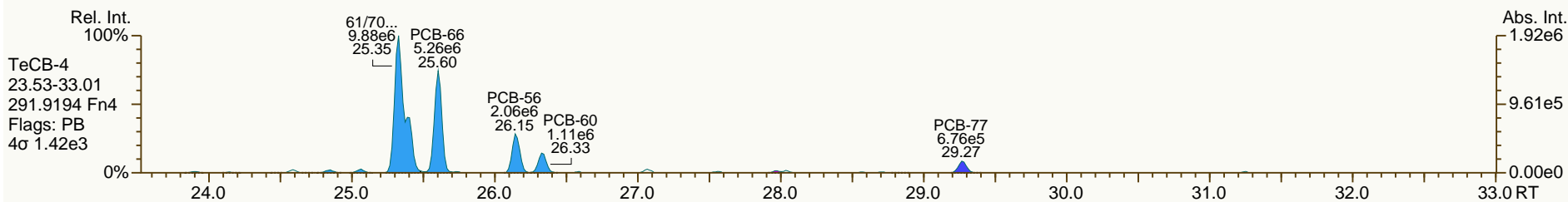
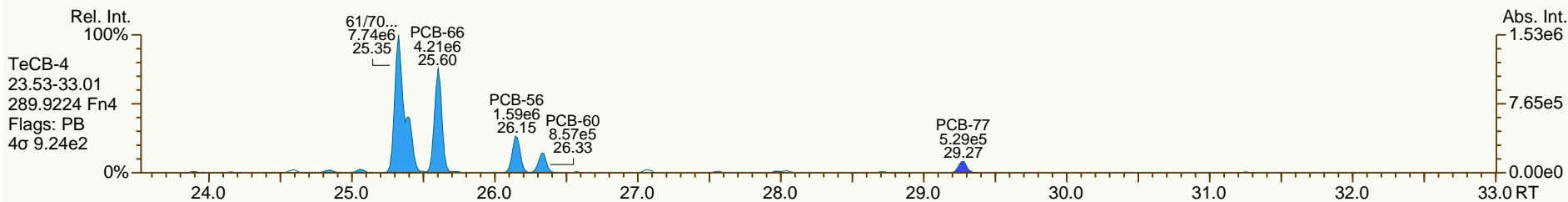
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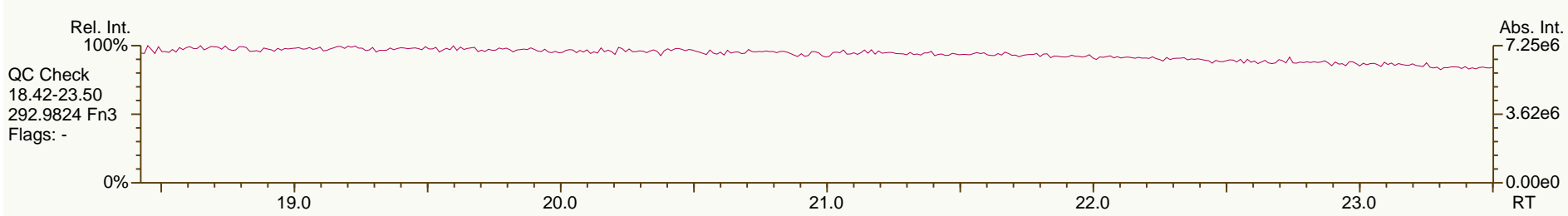
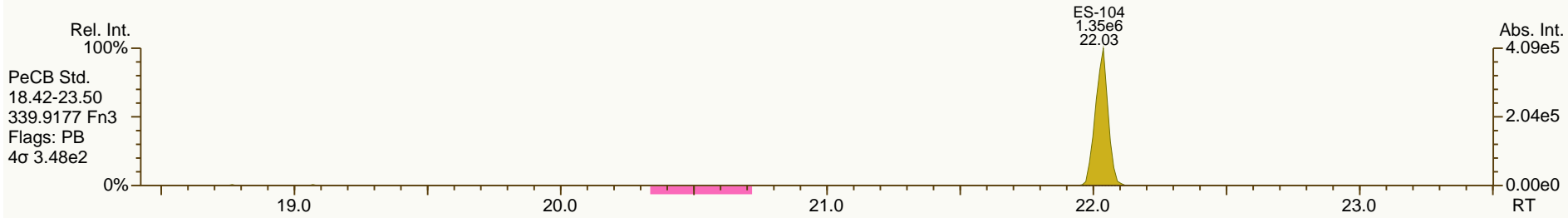
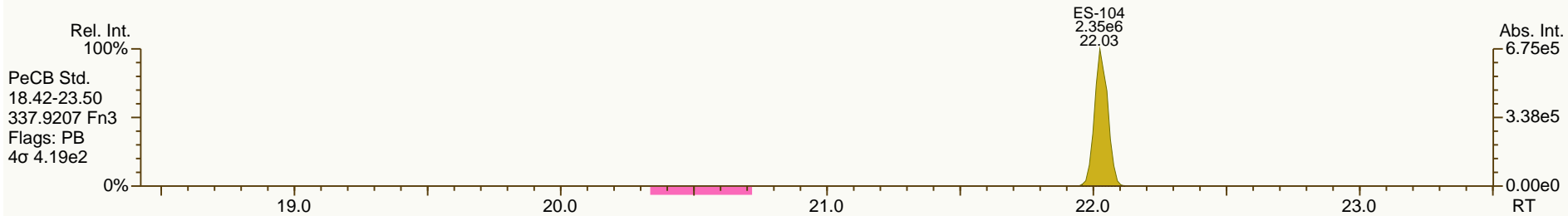
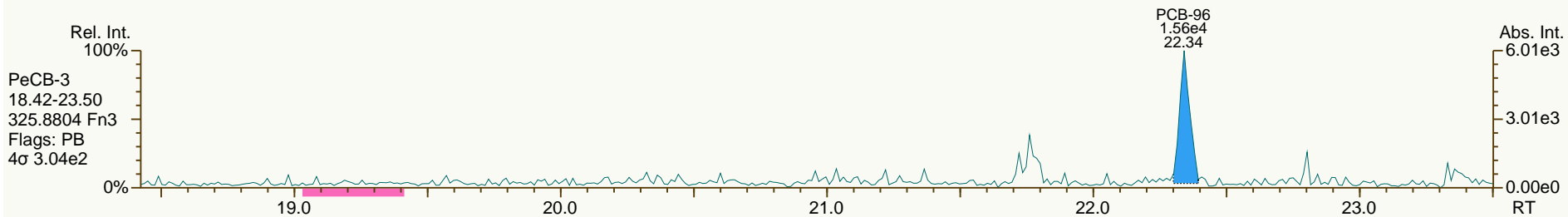
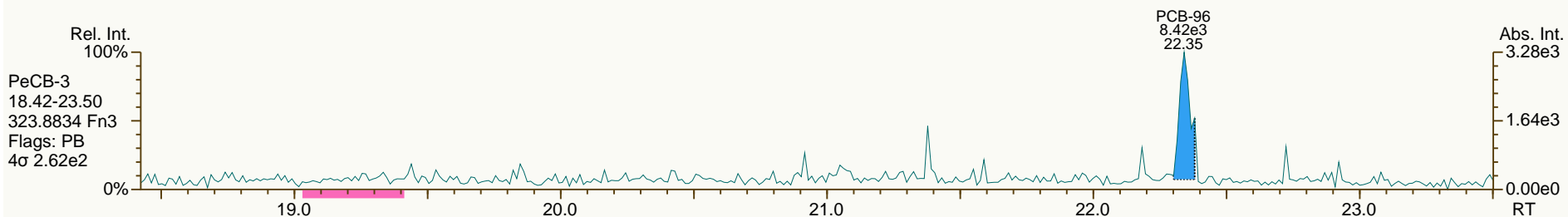
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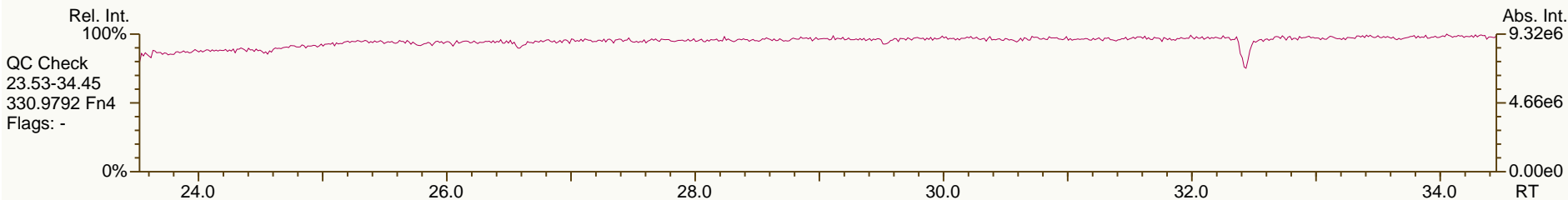
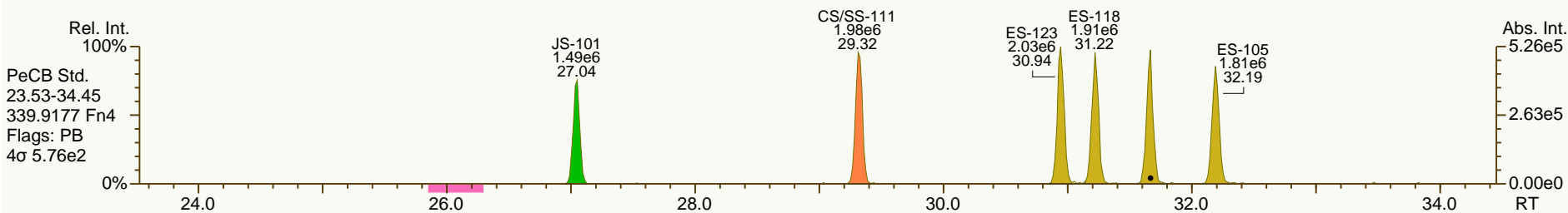
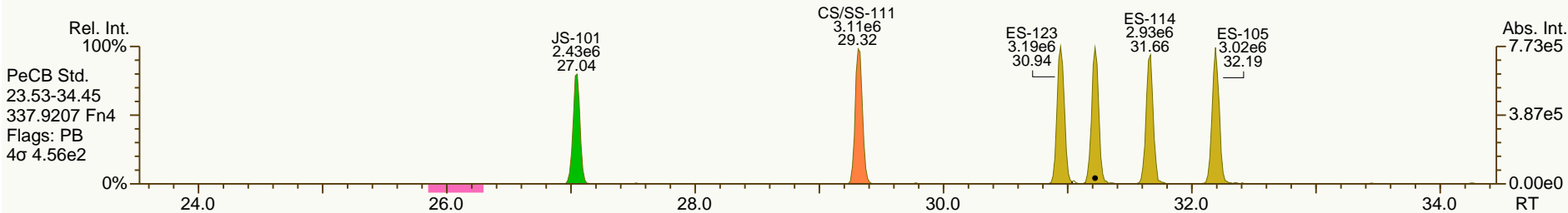
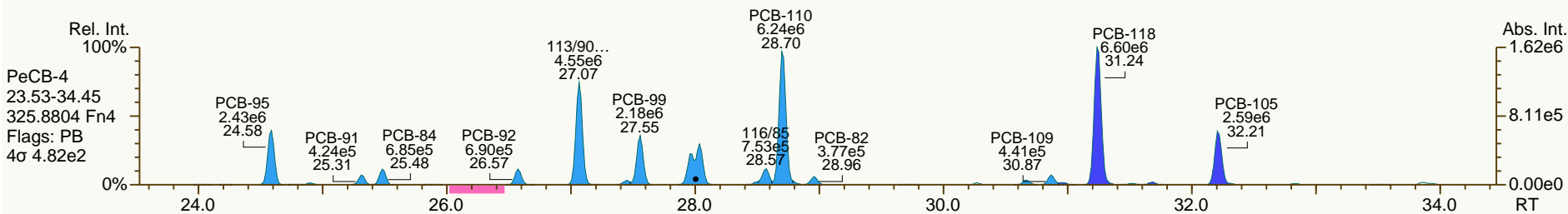
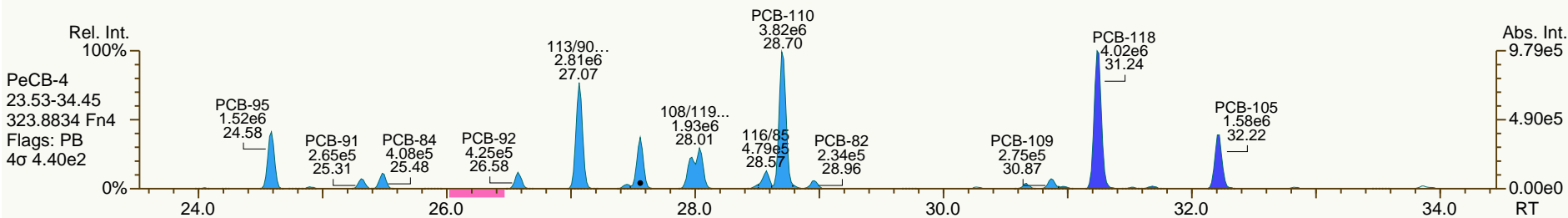
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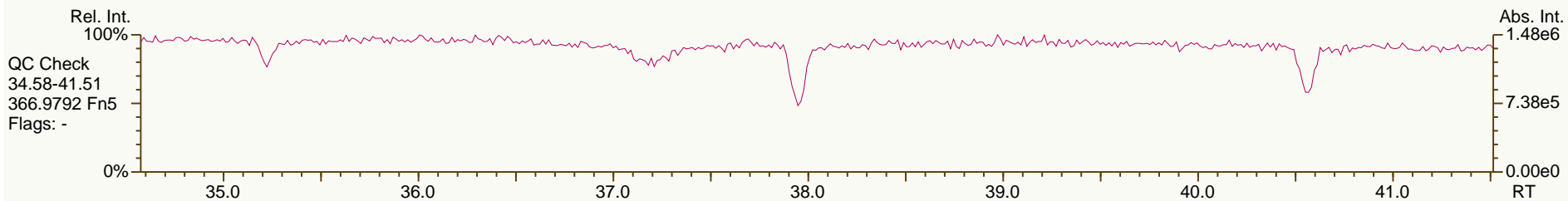
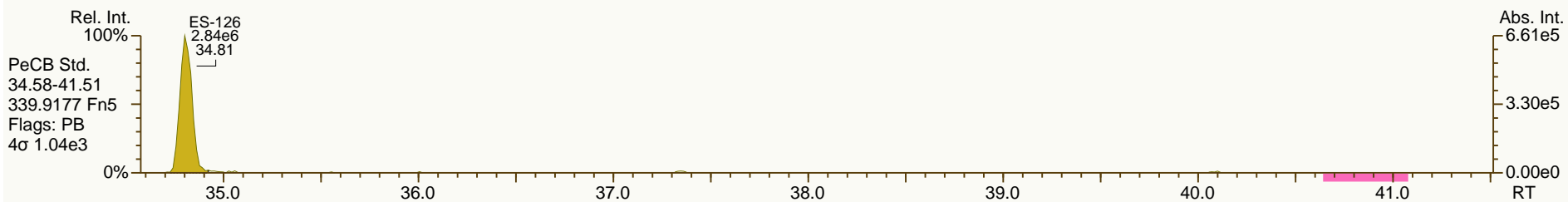
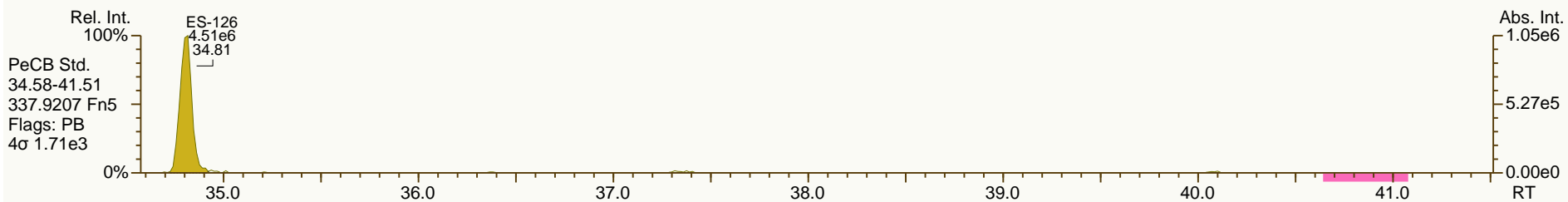
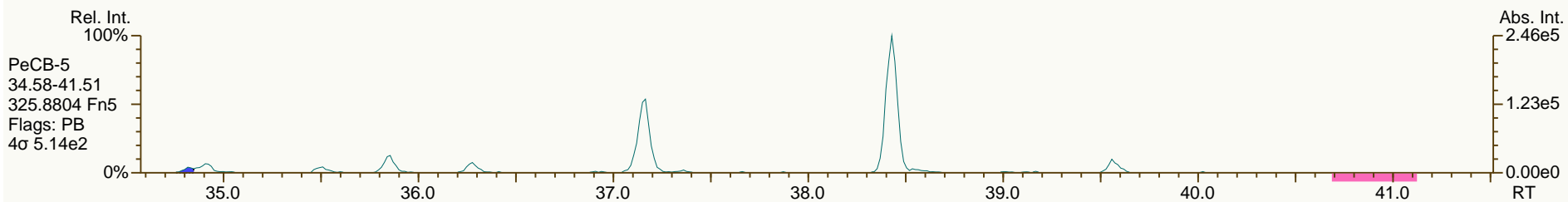
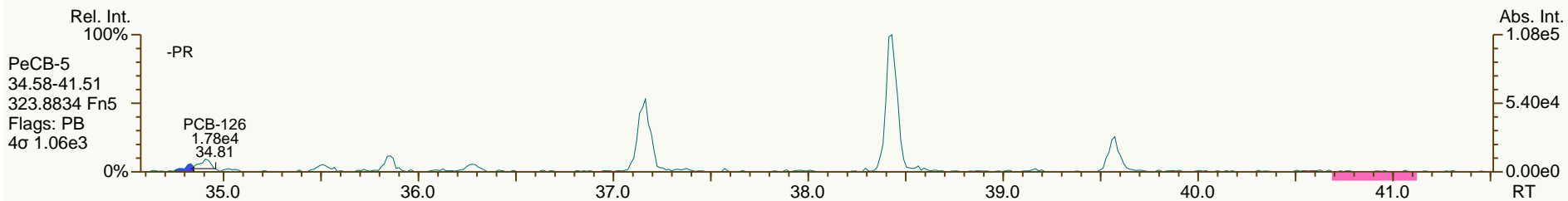
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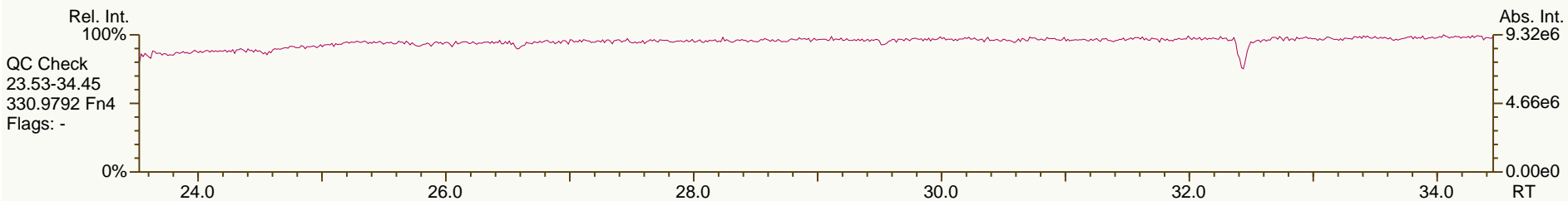
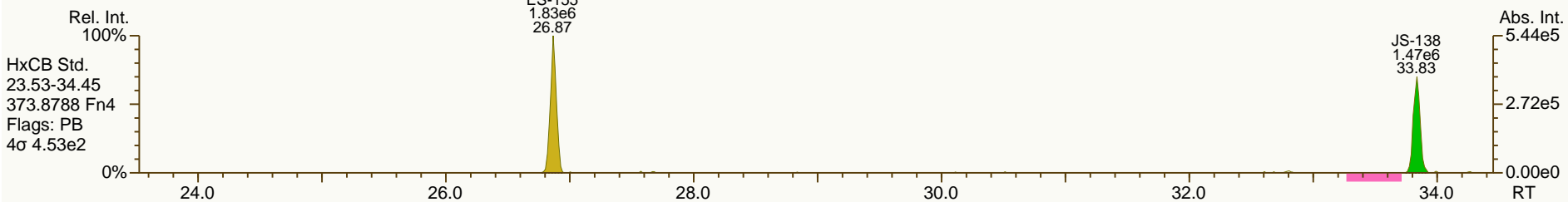
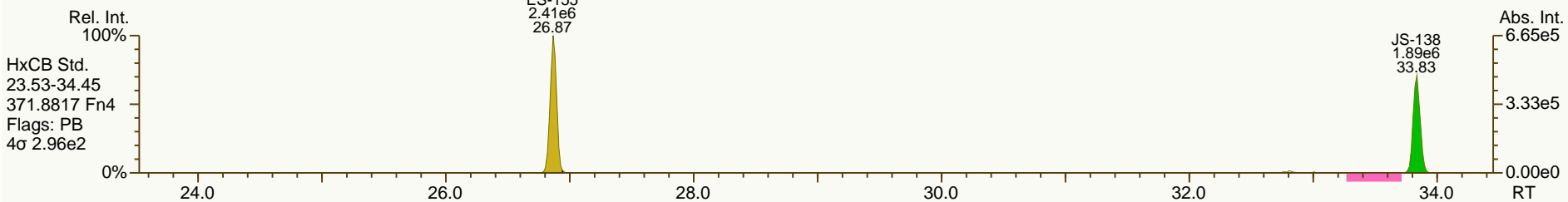
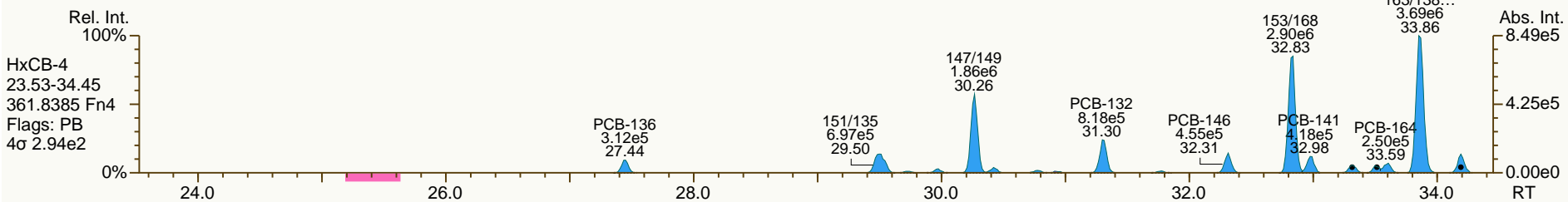
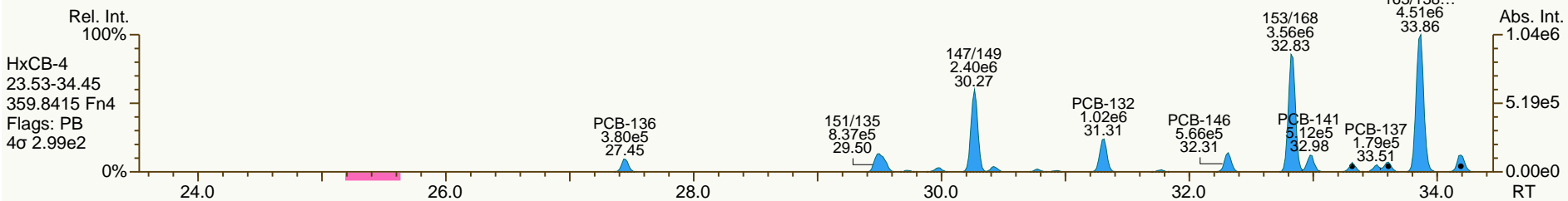
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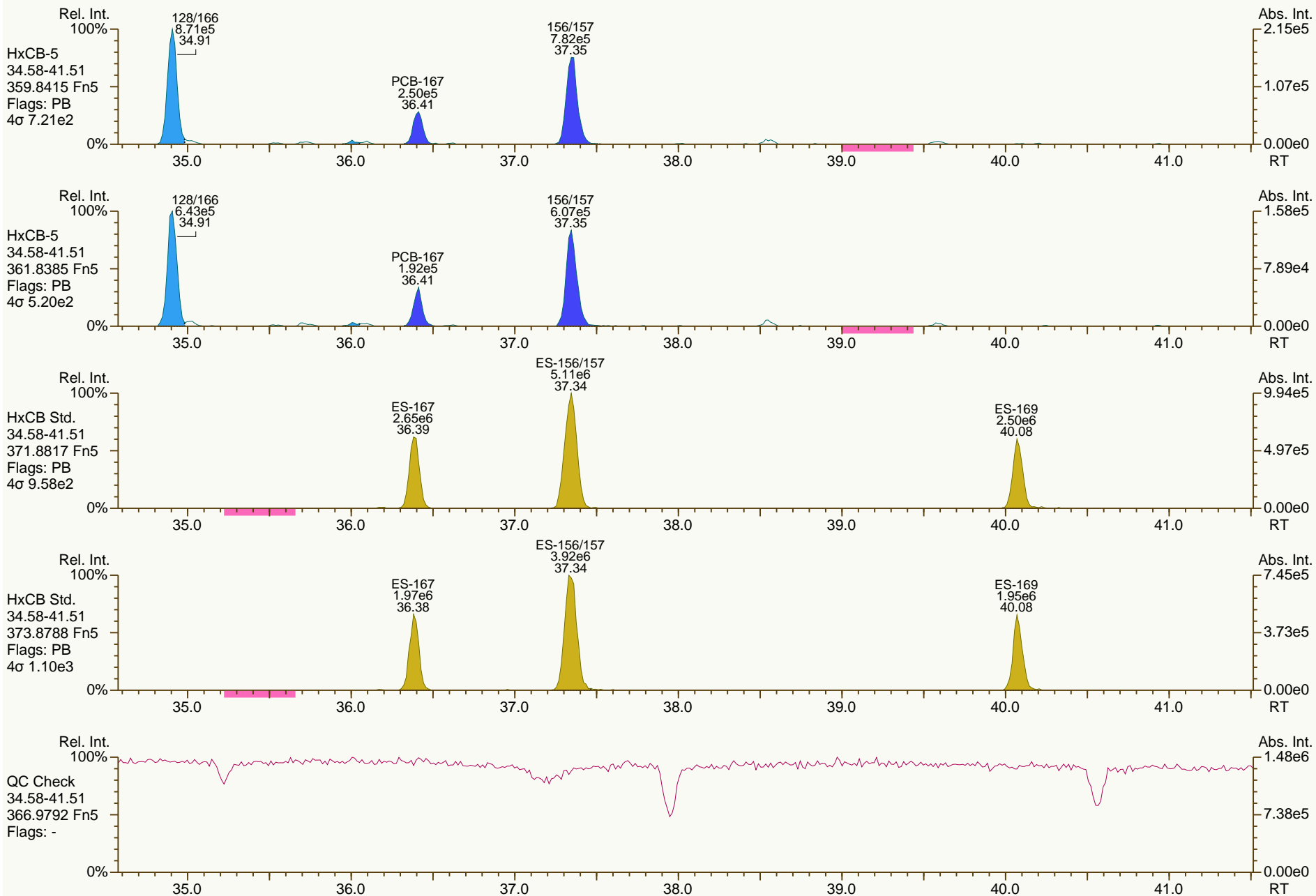
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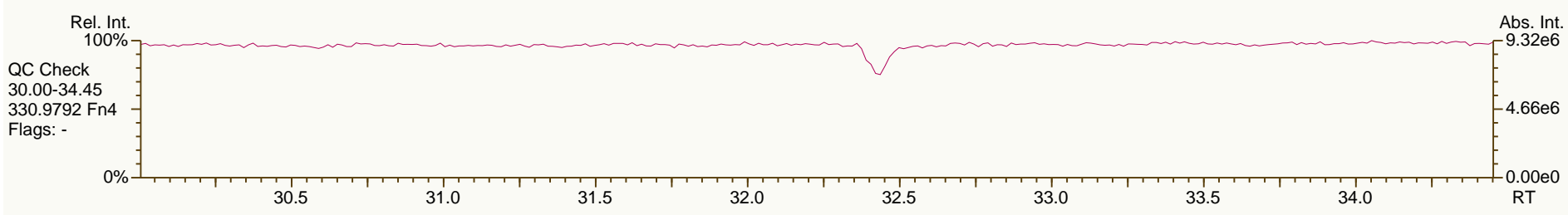
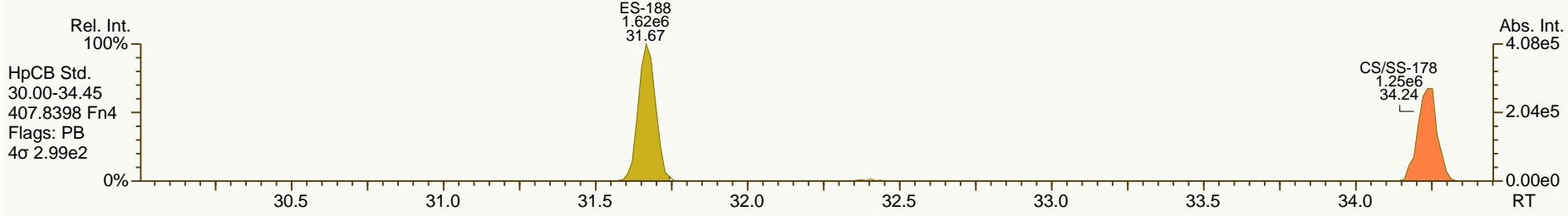
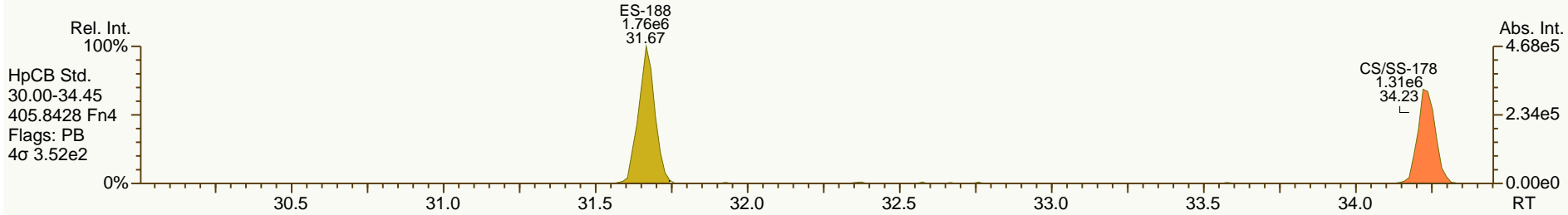
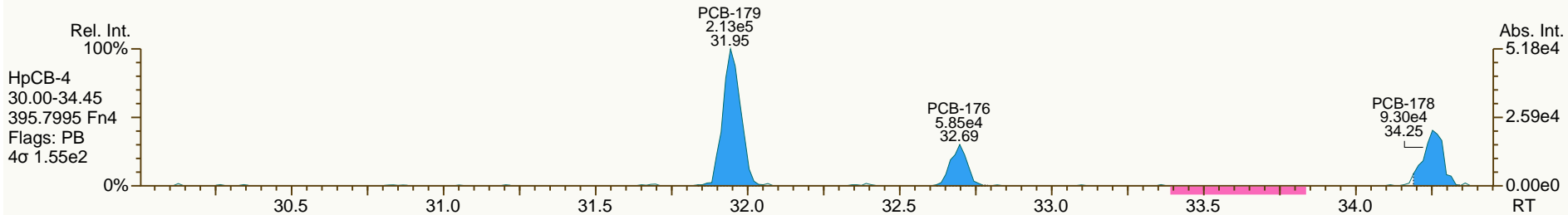
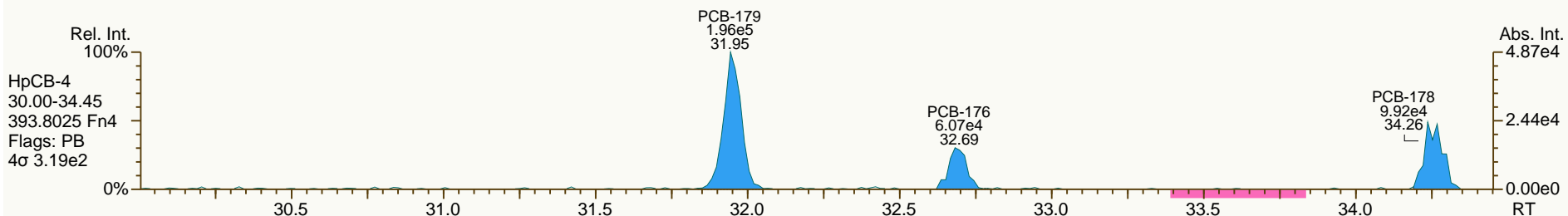
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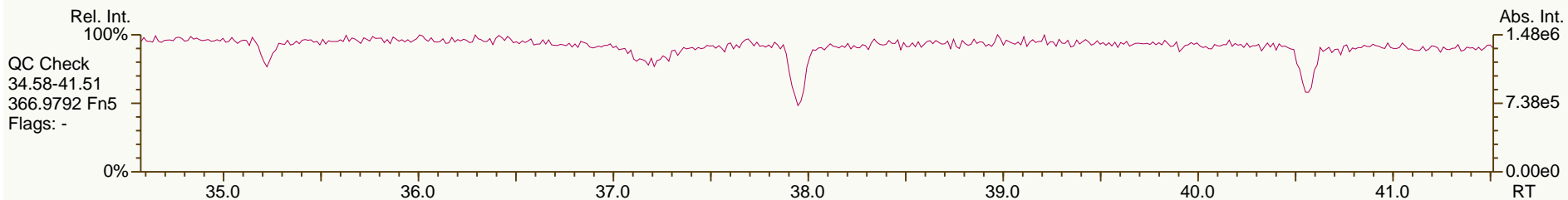
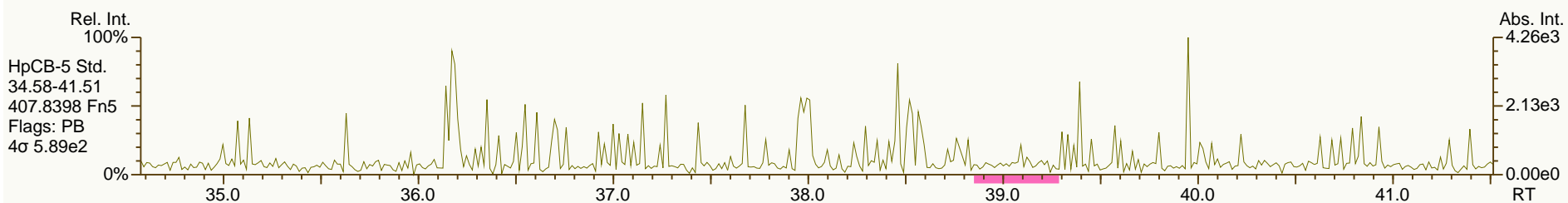
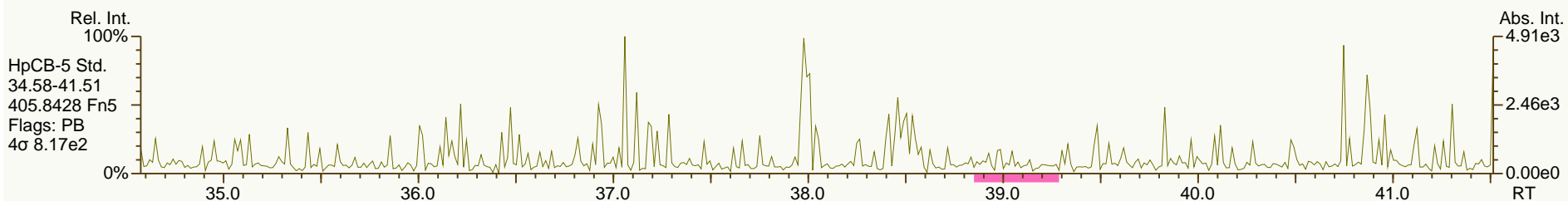
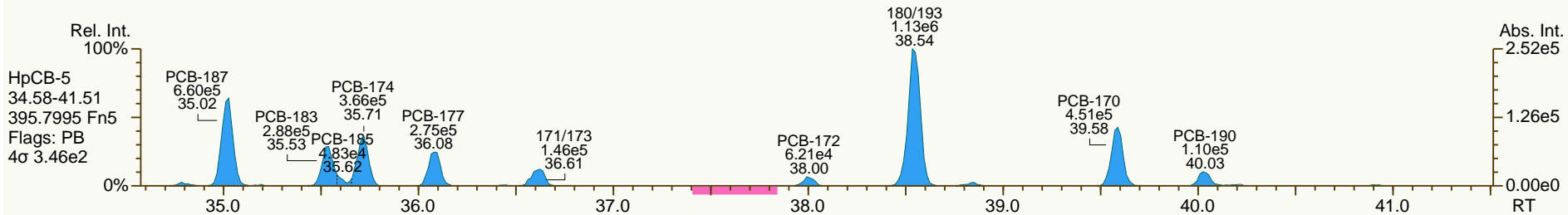
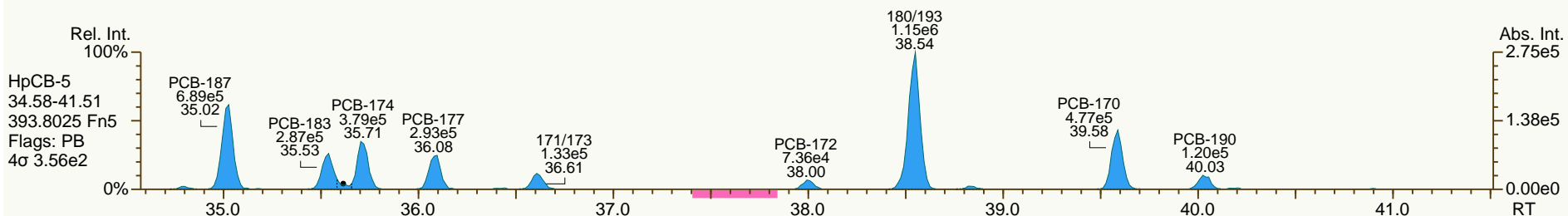
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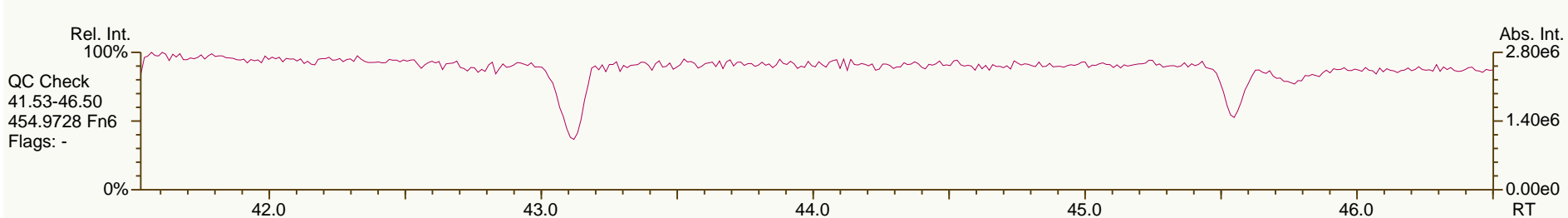
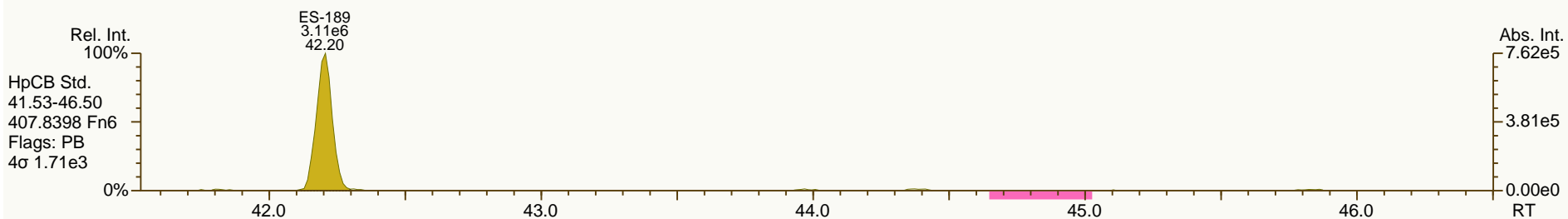
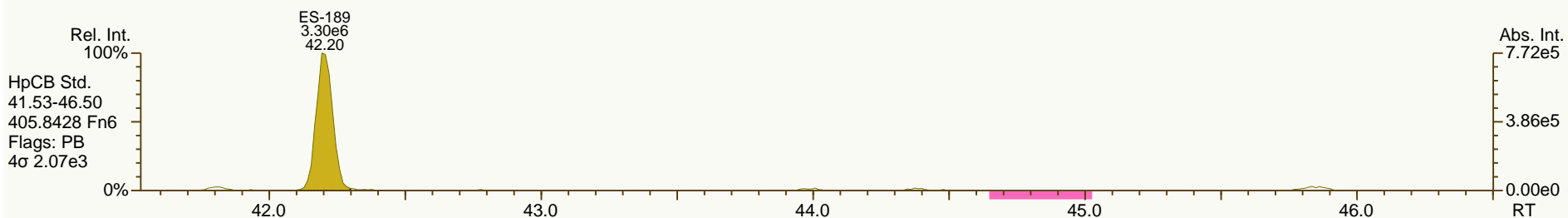
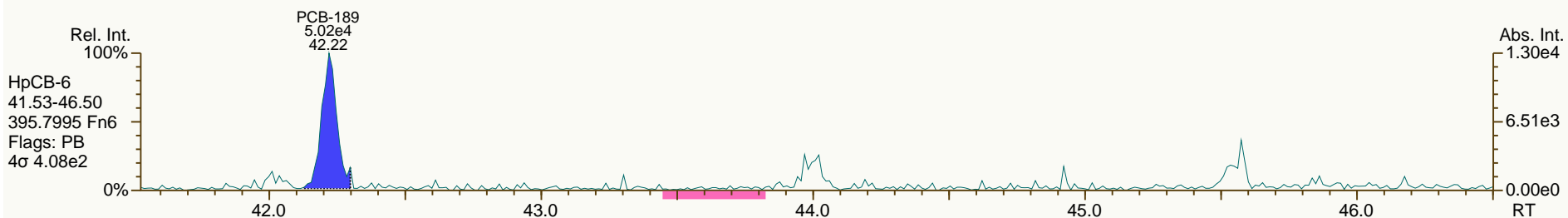
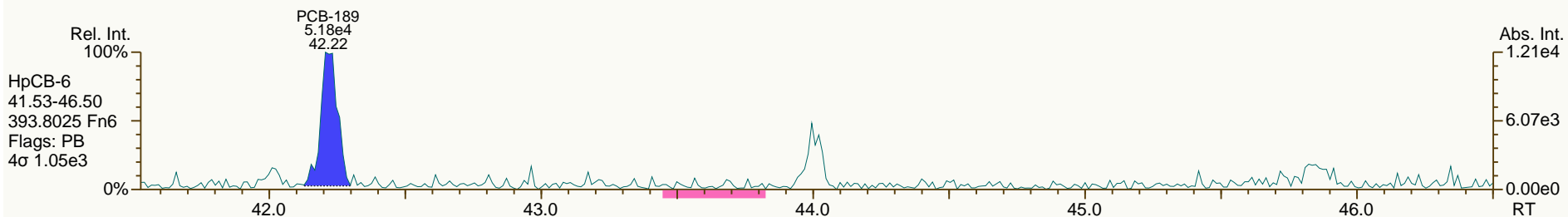
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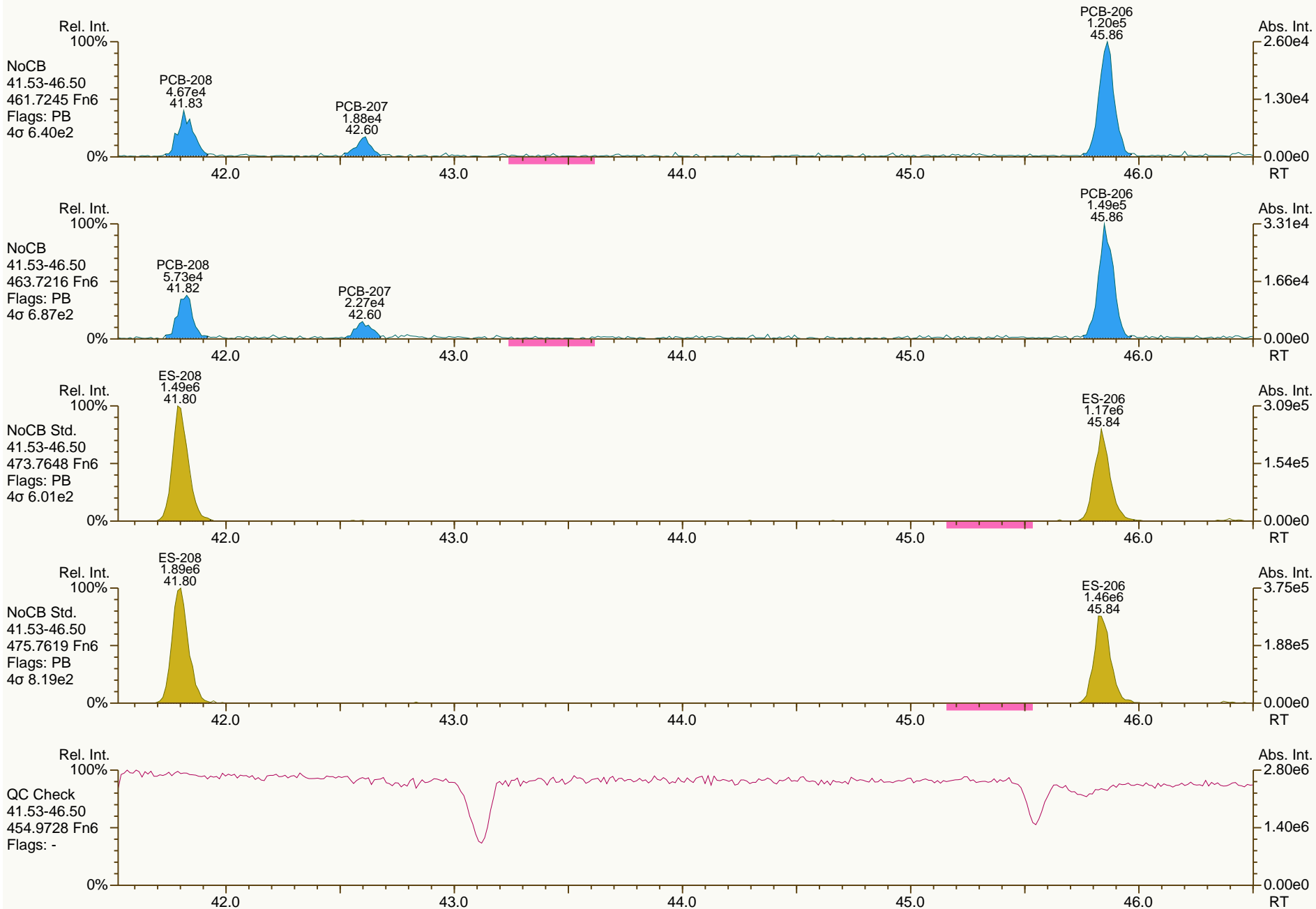
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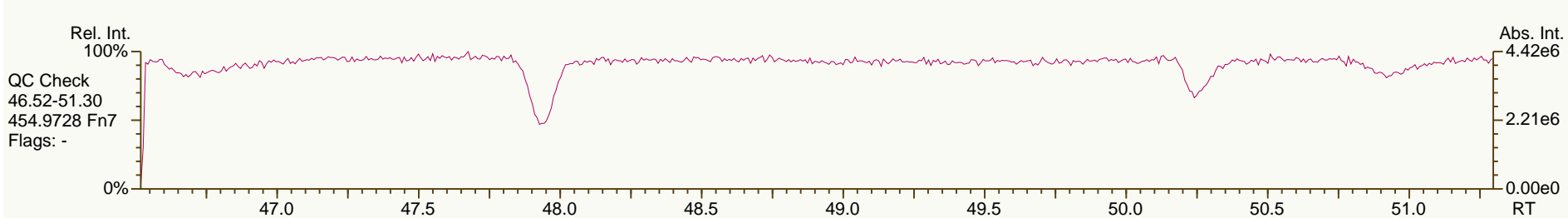
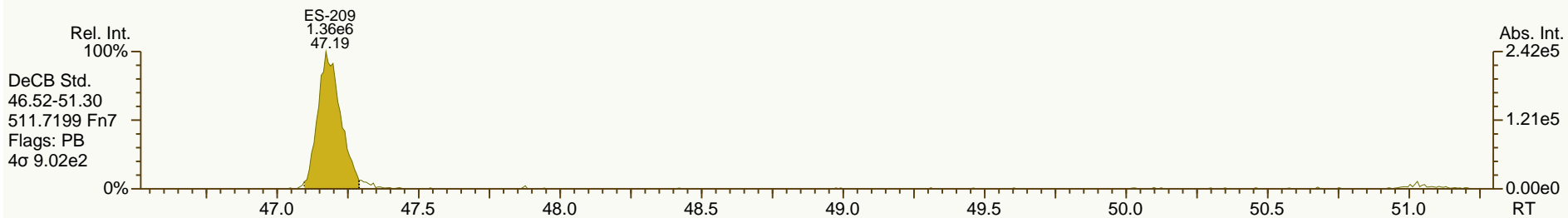
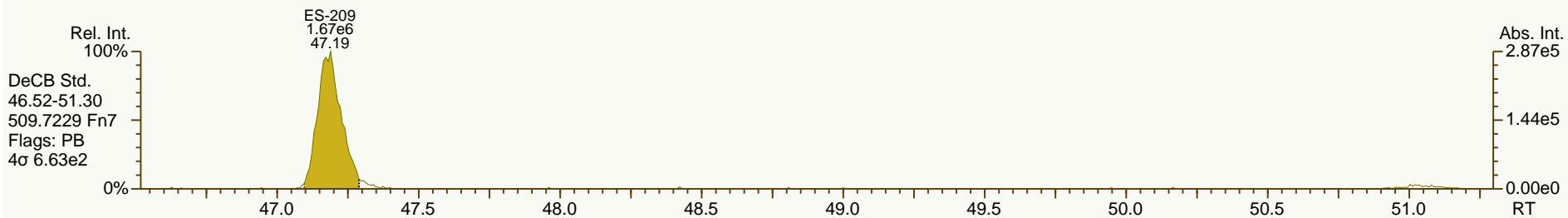
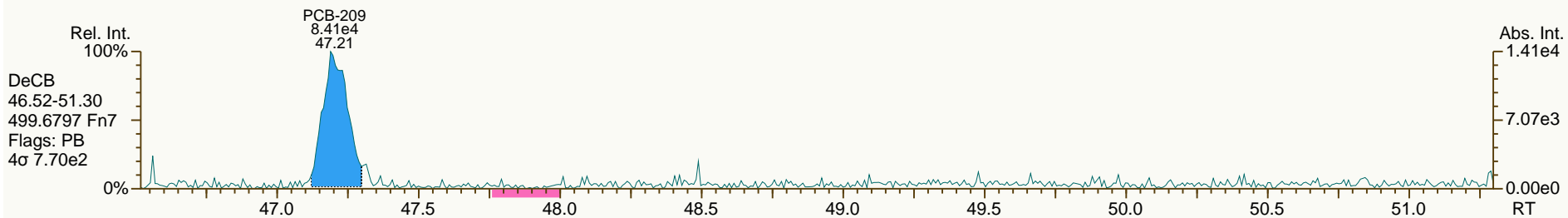
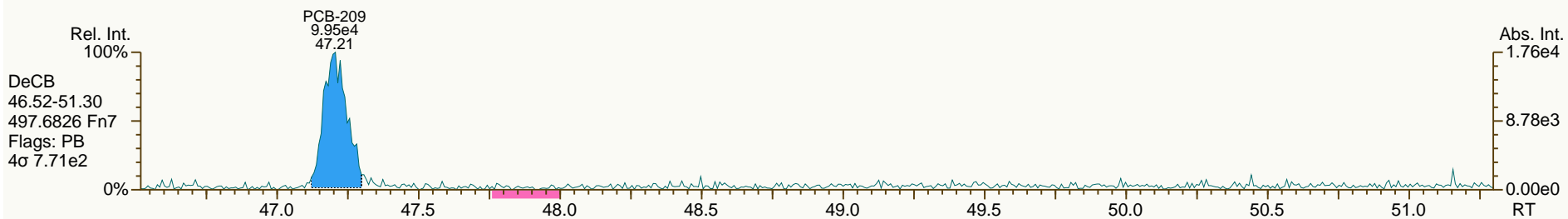
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 User: LKB Datafile: 120705S15



AP Lab ID: A4371_9893_PCB_009-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

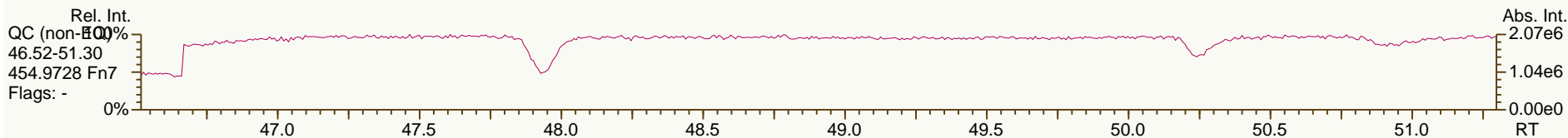
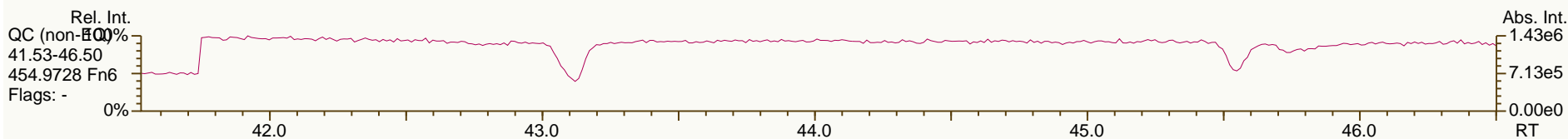
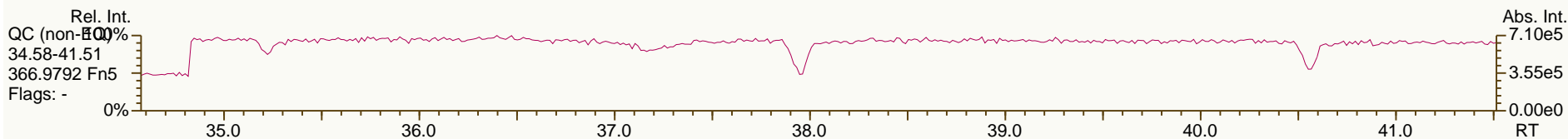
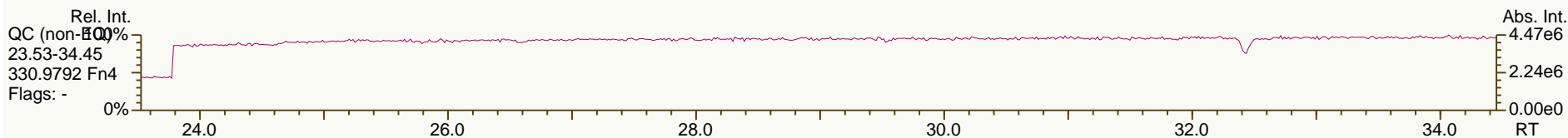
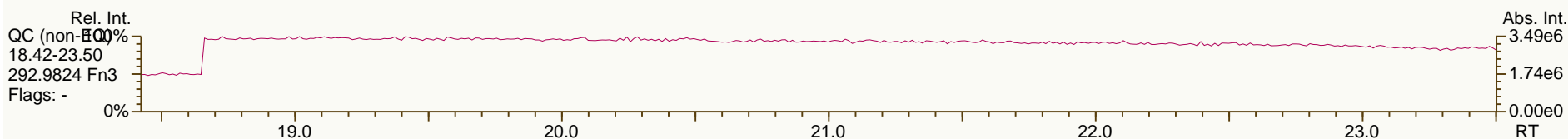
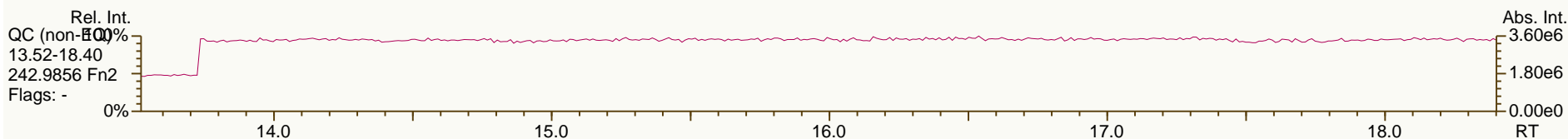
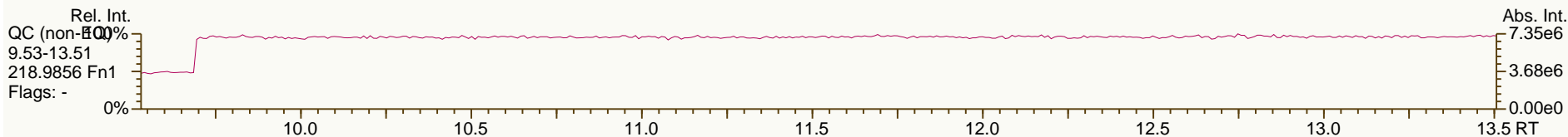
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AP Lab ID: A4371_9893_PCB_009-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-DR-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 39

Acq: 06-Jul-2012 00:52:32
User: LKB Datafile: 120705S15



Lab ID: A4371_9893_PCB_010-RJ

ACQ: 06-Jul-2012 01:47:39 LKB

Wt/Vol: 9.31 g

ICAL: MM4_PCB_01102012_26JAN12 CS3_120705_PCB_SB

Client ID: JW-RG-COMP-120508

UTP: 09-Jul-2012 14:48 LKB

J-level: 1.07 pg/g Split: 1

Checkcode: 100-294-PJP

Datafile: 120705S16

RPT: 09-Jul-2012 15:40 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.28		1.0006	1.0007	+0.2	1.08E+06	0.77	1.22	19.4	2.21E+03	0.397
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	2.21E+03	0.353
PCB-105 233'44'-PeCB	32.22		1.0007	1.0007	0	2.16E+06	0.62	1.03	75.4	8.95E+02	0.31
PCB-114 2344'5'-PeCB	31.68	EMPC	1.0007	1.0007	0	9.75E+04	0.52	1.10	3.35	8.95E+02	0.304
PCB-118 23'44'5'-PeCB	31.25		1.0008	1.0007	-0.2	6.09E+06	0.61	1.03	204	8.95E+02	0.296
PCB-123 23'44'5'-PeCB	30.97		1.0007	1.0009	+0.4	8.49E+04	0.53	0.93	3.16	8.95E+02	0.327
PCB-126 33'44'5'-PeCB	34.82	J EMPC	1.0005	1.0003	-0.4	2.50E+04	0.49	1.11	0.548	1.78E+03	0.405
PCB-156/157 ...-HxCB	37.35	C	1.0005	1.0003	-0.4	5.47E+05	1.34	1.05	20.5	1.08E+03	0.543
PCB-167 23'44'55'-HxCB	36.41		1.0006	1.0006	0	1.94E+05	1.35	1.08	7.09	1.08E+03	0.408
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.04	ND	1.08E+03	0.482
PCB-189 233'44'55'-HpCB	42.23		1.0005	1.0005	0	5.93E+04	0.97	1.11	1.45	1.27E+03	0.339
PCB-209 DeCB	47.21		1.0004	1.0004	0	2.38E+05	1.15	1.05	12.9	1.42E+03	1.13
ES PCB-1	9.84		0.7181	0.7173	-0.5	6.43E+06	3.47	1.01	51.8 %	4%	100%
ES PCB-3	11.77		0.8583	0.8581	-0.1	7.07E+06	3.35	1.05	54.8 %	11%	106%
ES PCB-4	11.97		0.8732	0.8728	-0.3	3.41E+06	1.68	0.70	39.9 %	14%	107%
ES PCB-15	17.09		1.2453	1.2459	+0.6	1.12E+07	1.67	1.17	78.1 %	19%	107%
ES PCB-19	14.67		1.0698	1.0698	0	4.03E+06	1.08	0.57	57.9 %	1%	108%
ES PCB-37	23.08	V	1.0865	1.0873	+1.1	9.13E+06	1.12	1.41	132 %	25%	123%
ES PCB-54	17.31		0.8157	0.8155	-0.2	5.12E+06	0.82	1.32	79 %	13%	105%
ES PCB-77	29.26	V	1.3777	1.3780	+0.5	9.78E+06	0.81	1.22	164 %	31%	109%
ES PCB-81	28.79	V	1.3557	1.3560	+0.5	1.01E+07	0.87	1.15	179 %	14%	127%
ES PCB-104	22.03		0.8147	0.8147	0	4.43E+06	1.69	1.69	56.3 %	36%	115%
ES PCB-105	32.19		1.1906	1.1903	-0.6	6.00E+06	1.65	1.21	107 %	50%	111%
ES PCB-114	31.66		1.1709	1.1707	-0.4	5.69E+06	1.61	1.23	99 %	41%	121%
ES PCB-118	31.22		1.1547	1.1544	-0.6	6.18E+06	1.68	1.25	106 %	49%	111%
ES PCB-123	30.94		1.1444	1.1441	-0.6	6.24E+06	1.69	1.33	101 %	49%	116%
ES PCB-126	34.81	V	1.2871	1.2870	-0.2	8.80E+06	1.65	1.36	139 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.87		0.7939	0.7940	+0.2	5.20E+06	1.23	1.40	94.3 %	25%	124%
ES PCB-156/157	37.34	V	1.1035	1.1036	+0.2	1.10E+07	1.26	1.13	123 %	40%	120%
ES PCB-167	36.39	V	1.0753	1.0754	+0.2	5.43E+06	1.25	1.13	122 %	45%	118%
ES PCB-169	40.08		1.1842	1.1844	+0.5	4.96E+06	1.28	1.14	110 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.67		0.7204	0.7202	-0.4	4.05E+06	1.13	1.34	76.7 %	23%	125%
ES PCB-189	42.21	V	0.9598	0.9597	-0.3	7.93E+06	1.08	1.77	124 %	47%	116%
ES PCB-202	36.18		0.8230	0.8228	-0.4	4.35E+06	0.89	1.27	86.9 %	31%	134%
ES PCB-205	44.37		1.0090	1.0090	0	4.97E+06	0.90	1.25	110 %	46%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.84		1.0424	1.0425	+0.3	3.26E+06	0.79	1.07	84.6 %	38%	122%
ES PCB-208	41.80		0.9508	0.9506	-0.5	4.27E+06	0.82	1.34	88.2 %	31%	126%
ES PCB-209	47.19		1.0732	1.0731	-0.3	3.79E+06	1.18	1.18	88.5 %	43%	115%
CS/SS PCB-28	19.68		0.9269	0.9268	-0.1	9.57E+06	1.13	0.98	107 %	14%	131%
CS/SS PCB-111	29.32	V	1.0843	1.0840	-0.5	6.33E+06	1.68	0.90	113 %	57%	112%
CS/SS PCB-178	34.24		1.0118	1.0118	0	3.05E+06	1.08	0.65	116 %	57%	125%
CS PCB-28	19.68	V	0.9269	0.9268	-0.1	9.57E+06	1.13	1.39	141 %	14%	131%
CS PCB-111	29.32	V	1.0843	1.0840	-0.5	6.33E+06	1.68	1.19	114 %	57%	112%
CS PCB-178	34.24		1.0118	1.0118	0	3.05E+06	1.08	0.87	89.3 %	57%	125%
JS PCB-9	13.71					1.23E+07	1.67				
JS PCB-52	21.23					4.90E+06	0.81				
JS PCB-101	27.05					4.67E+06	1.68				
JS PCB-138	33.84					3.93E+06	1.32				
JS PCB-194	43.98					3.62E+06	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	41.7	41.7	0.319		
						Di-CBs	286	286	2.98		
						Tri-CBs	1,210	1,210	1.15		
						Tetra-CBs	1,540	1,540	0.294		
						Penta-CBs	1,480	1,480	0.317		
						Hexa-CBs	922	928	0.408		
						Hepta-CBs	303	332	0.416		
						Octa-CBs	149	149	0.429		
						Nona-CBs	34.4	34.4	0.769		
PCB-1 2-MoCB	9.85		1.0011	1.0011	0	6.33E+05	3.15	1.20	17.7	2.12E+03	0.289
PCB-2 3-MoCB	11.63		0.9878	0.9878	0	4.04E+05	2.94	1.39	8.82	2.12E+03	0.284
PCB-3 4-MoCB	11.78		1.0010	1.0010	0	5.65E+05	3.15	1.13	15.2	2.12E+03	0.35
PCB-4 22'-DiCB	11.98		1.0012	1.0011	-0.1	4.15E+05	1.57	0.94	27.6	9.85E+03	3.96
PCB-10 26-DiCB	12.14		1.0142	1.0143	+0.1	3.69E+04	SI	1.56	1.49	3.27E+03	0.795
PCB-9 25-DiCB	13.73		1.0011	1.0010	-0.1	2.26E+05	SI	0.93	4.64	3.96E+03	0.684
PCB-7 24-DiCB	13.87		1.0116	1.0116	0	1.74E+05	SI	1.10	3.03	3.96E+03	0.58
PCB-6 23'-DiCB	14.07		1.0261	1.0261	0	9.29E+05	1.68	1.01	17.6	1.25E+04	2
PCB-5 23-DiCB	14.33		1.0451	1.0450	-0.1	8.67E+04	SI	1.02	1.63	3.96E+03	0.628
PCB-8 24'-DiCB	14.45		1.0533	1.0534	+0.1	5.37E+06	1.57	1.05	98.2	1.25E+04	1.93
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.20	ND	1.25E+04	1.68
PCB-11 33'-DiCB	16.57	B	0.9701	0.9700	-0.1	3.30E+06	1.52	1.04	61.1	1.25E+04	1.95
PCB-13/12 34'/34-DiCB	16.83	C	0.9855	0.9850	-0.5	4.15E+05	1.59	1.03	7.7	1.25E+04	1.95
PCB-15 44'-DiCB	17.10		1.0008	1.0009	+0.1	3.28E+06	1.57	1.01	62.6	1.25E+04	2.01

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.69		1.0011	1.0011	0	2.14E+05	1.05	1.01	11.3	2.75E+03	0.996
PCB-30/18 246/22'5-TrCB	16.31	C	1.1110	1.1115	+0.5	3.45E+06	1.07	1.32	140	2.75E+03	0.763
PCB-17 22'4-TrCB	16.67		1.1357	1.1359	+0.2	1.57E+06	1.02	1.12	74.6	2.75E+03	0.895
PCB-27 23'6-TrCB	16.85		1.1479	1.1482	+0.3	3.55E+05	1.02	1.46	13	2.75E+03	0.69
PCB-24 236-TrCB	16.96	EMPC	1.1558	1.1556	-0.2	4.20E+04	0.77	1.48	1.51	2.75E+03	0.679
PCB-16 22'3-TrCB	17.04		1.1612	1.1616	+0.4	1.13E+06	1.02	0.87	69.1	2.75E+03	1.15
PCB-32 24'6-TrCB	17.50		1.1923	1.1925	+0.2	1.48E+06	1.05	1.56	50.8	2.75E+03	0.647
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.37	ND	7.09E+03	1.15
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.43	ND	7.09E+03	1.09
PCB-26/29 23'5/245-TrCB	18.98	C	0.8236	0.8221	-1.7	2.29E+06	1.06	1.43	37.6	7.09E+03	1.09
PCB-25 23'4-TrCB	19.18		0.8315	0.8308	-0.8	1.14E+06	1.02	1.43	18.7	7.09E+03	1.09
PCB-31 24'5-TrCB	19.44		0.8430	0.8423	-0.8	1.32E+07	1.08	1.49	209	7.09E+03	1.05
PCB-28/20 244'/233'-TrCB	19.70	C	0.8542	0.8533	-1.1	1.72E+07	1.07	1.37	296	7.09E+03	1.14
PCB-21/33 234/23'4'-TrCB	19.89	C	0.8612	0.8617	+0.6	7.14E+06	1.07	1.45	116	7.09E+03	1.08
PCB-22 234'-TrCB	20.22		0.8766	0.8760	-0.7	5.02E+06	1.06	1.29	91.5	7.09E+03	1.21
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.38	ND	7.09E+03	1.14
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.43	ND	7.09E+03	1.1
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.28	ND	7.09E+03	1.22
PCB-35 33'4-TrCB	22.76		0.9860	0.9858	-0.3	2.90E+05	1.12	1.26	5.42	7.09E+03	1.24
PCB-37 344'-TrCB	23.10		1.0008	1.0008	0	3.91E+06	1.07	1.20	76.7	7.09E+03	1.31
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		0.93	ND	6.34E+02	0.238
PCB-50/53 22'46/22'56'-TeCB	19.19	C	0.9051	0.9039	-1.4	5.36E+05	0.81	0.64	17.7	7.61E+02	0.236
PCB-45 22'36-TeCB	19.75		0.9304	0.9304	0	5.02E+05	0.77	0.57	18.8	7.61E+02	0.267
PCB-51 22'46'-TeCB	19.84		0.9340	0.9343	+0.4	1.45E+05	0.74	0.64	4.83	7.61E+02	0.238
PCB-46 22'36'-TeCB	20.01		0.9429	0.9427	-0.2	1.93E+05	0.79	0.53	7.76	7.61E+02	0.287
PCB-52 22'55'-TeCB	21.25		1.0010	1.0010	0	5.54E+06	0.80	0.62	192	7.61E+02	0.247
PCB-73 23'5'6-TeCB	21.38	J	1.0069	1.0072	+0.4	3.16E+04	0.80	0.82	0.823	7.61E+02	0.186
PCB-43 22'35-TeCB	21.45		1.0106	1.0105	-0.1	1.29E+05	0.71	0.56	4.89	7.61E+02	0.269
PCB-69/49 23'46/22'45'-TeCB	21.67	C	1.0198	1.0207	+1.2	3.97E+06	0.78	0.77	109	7.61E+02	0.196
PCB-48 22'45-TeCB	21.91		1.0319	1.0321	+0.3	8.07E+05	0.80	0.65	26.3	7.61E+02	0.232
PCB-44/47/65 ...-TeCB	22.10	C	1.0416	1.0409	-0.9	5.41E+06	0.77	0.69	167	7.61E+02	0.22
PCB-59/62/75 ...-TeCB	22.38	C	1.0541	1.0543	+0.3	6.06E+05	0.81	0.87	14.9	7.61E+02	0.175
PCB-42 22'34'-TeCB	22.54		1.0612	1.0616	+0.5	1.31E+06	0.78	0.63	44.4	7.61E+02	0.242
PCB-41 22'34-TeCB	22.85		1.0759	1.0761	+0.3	2.37E+05	0.75	0.55	9.12	7.61E+02	0.274
PCB-71/40 23'4'6/22'33'-TeCB	22.96	C	1.0806	1.0812	+0.8	2.19E+06	0.77	0.67	69.3	7.61E+02	0.226
PCB-64 234'6-TeCB	23.15		1.0899	1.0905	+0.8	2.73E+06	0.80	0.94	61.8	7.61E+02	0.161
PCB-72 23'55'-TeCB	23.90		0.8295	0.8303	+1.1	2.22E+05	0.83	1.11	4.25	2.21E+03	0.395
PCB-68 23'45'-TeCB	24.15		0.8379	0.8388	+1.3	1.39E+05	0.74	1.21	2.46	2.21E+03	0.364
PCB-57 233'5-TeCB	24.50	J EMPC	0.8501	0.8511	+1.5	4.89E+04	0.93	1.09	0.956	2.21E+03	0.404
PCB-58 233'5'-TeCB	24.70	EMPC	0.8568	0.8579	+1.6	5.56E+04	0.66	1.10	1.08	2.21E+03	0.401
PCB-67 23'45-TeCB	24.85		0.8620	0.8630	+1.5	3.83E+05	0.83	1.14	7.17	2.21E+03	0.387
PCB-63 234'5-TeCB	25.06		0.8697	0.8705	+1.2	4.86E+05	0.81	1.20	8.63	2.21E+03	0.367
PCB-61/70/74/76 ...-TeCB	25.35	C	0.8792	0.8805	+2.0	1.96E+07	0.77	1.14	365	2.21E+03	0.386
PCB-66 23'44'-TeCB	25.60		0.8888	0.8893	+0.8	1.20E+07	0.77	1.06	241	2.21E+03	0.414
PCB-55 233'4-TeCB	25.73		0.8932	0.8937	+0.8	1.52E+05	0.81	1.14	2.85	2.21E+03	0.386

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	26.15		0.9080	0.9083	+0.5	5.02E+06	0.78	1.06	101	2.21E+03	0.414
PCB-60 2344'-TeCB	26.33		0.9144	0.9147	+0.5	2.07E+06	0.77	1.14	38.7	2.21E+03	0.385
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.23	ND	2.21E+03	0.358
PCB-79 33'45'-TeCB	27.98		0.9718	0.9717	-0.2	1.31E+05	0.83	1.22	2.29	2.21E+03	0.36
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.05	ND	2.21E+03	0.42
PCB-104 22'466'-PeCB	NotFnd		1.0010	-		0.00E+00		0.92	ND	5.17E+02	0.261
PCB-96 22'366'-PeCB	22.35		1.0141	1.0143	+0.3	2.73E+04	0.67	0.92	1.44	5.17E+02	0.26
PCB-103 22'45'6'-PeCB	24.05		0.8883	0.8892	+1.3	7.47E+04	0.64	0.78	3.3	8.95E+02	0.388
PCB-94 22'356'-PeCB	24.22	EMPC	0.8946	0.8955	+1.3	2.22E+04	0.81	0.68	1.13	8.95E+02	0.447
PCB-95 22'35'6'-PeCB	24.59		0.9082	0.9092	+1.5	3.30E+06	0.62	0.70	163	8.95E+02	0.435
PCB-100/93 22'44'6'/22'356'-PeCB	24.79	C	0.9158	0.9166	+1.2	5.16E+04	0.61	0.73	2.44	8.95E+02	0.416
PCB-102 22'456'-PeCB	24.90		0.9198	0.9206	+1.2	1.26E+05	0.61	0.86	5.06	8.95E+02	0.353
PCB-98 22'34'6'-PeCB	24.96	J	0.9222	0.9227	+0.7	1.94E+04	0.58	0.67	1.01	8.95E+02	0.455
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	8.95E+02	0.457
PCB-91 22'34'6'-PeCB	25.31		0.9352	0.9360	+1.2	6.59E+05	0.63	0.82	27.7	8.95E+02	0.369
PCB-84 22'33'6'-PeCB	25.48		0.9416	0.9421	+0.8	9.49E+05	0.63	0.63	51.6	8.95E+02	0.478
PCB-89 22'346'-PeCB	25.89		0.9567	0.9572	+0.8	4.55E+04	0.57	0.66	2.38	8.95E+02	0.461
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.99	ND	8.95E+02	0.306
PCB-92 22'355'-PeCB	26.58		0.9825	0.9826	+0.2	9.26E+05	0.58	0.70	45.7	8.95E+02	0.434
PCB-113/90/101 ...-PeCB	27.07	C	0.9999	1.0008	+1.5	5.06E+06	0.61	0.82	213	8.95E+02	0.37
PCB-83 22'33'5'-PeCB	27.45		1.0150	1.0148	-0.3	2.43E+05	0.58	0.60	14.1	8.95E+02	0.509
PCB-99 22'44'5'-PeCB	27.56		1.0190	1.0189	-0.2	3.15E+06	0.61	0.72	151	8.95E+02	0.421
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.94	ND	8.95E+02	0.321
PCB-108/119/86/97/125...-PeCB	28.00	C	1.0347	1.0353	+1.0	3.30E+06	0.62	0.84	135	8.95E+02	0.359
PCB-117 234'56'-PeCB	28.49		1.0539	1.0535	-0.7	1.08E+05	0.59	0.86	4.3	8.95E+02	0.352
PCB-116/85 23456/22'344'-PeCB	28.57	C	1.0566	1.0562	-0.7	8.69E+05	0.64	0.88	34	8.95E+02	0.344
PCB-110 233'4'6'-PeCB	28.71		1.0615	1.0613	-0.3	7.11E+06	0.62	0.87	282	8.95E+02	0.348
PCB-115 2344'6'-PeCB	28.80		1.0644	1.0650	+1.0	7.79E+04	0.59	1.00	2.68	8.95E+02	0.303
PCB-82 22'33'4'-PeCB	28.96		1.0711	1.0707	-0.7	4.54E+05	0.64	0.62	25.1	8.95E+02	0.487
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.99	ND	8.95E+02	0.305
PCB-120 23'455'-PeCB	29.72		1.0994	1.0990	-0.7	5.59E+04	0.53	0.98	1.96	8.95E+02	0.309
PCB-107/124 ...-PeCB	30.67	C	0.9909	0.9911	+0.4	1.85E+05	0.61	0.92	6.9	8.95E+02	0.328
PCB-109 233'46'-PeCB	30.87		0.9976	0.9977	+0.2	5.48E+05	0.63	0.90	20.9	8.95E+02	0.335
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.92	ND	8.95E+02	0.329
PCB-122 233'4'5'-PeCB	31.52	EMPC	1.0095	1.0095	0	6.73E+04	0.73	0.94	2.69	8.95E+02	0.354
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		0.99	ND	8.95E+02	0.322
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.06	ND	5.69E+02	0.199
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.99	ND	5.69E+02	0.212
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		1.01	ND	5.69E+02	0.208
PCB-136 22'33'66'-HxCB	27.45		1.0216	1.0216	0	4.69E+05	1.31	0.92	21.1	5.69E+02	0.229
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.95	ND	5.69E+02	0.22
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	5.69E+02	0.286
PCB-151/135 ...-HxCB	29.51	C	1.0986	1.0982	-0.7	1.16E+06	1.27	0.72	67.1	5.69E+02	0.293
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.81	ND	5.69E+02	0.26
PCB-144 22'345'6'-HxCB	29.97	EMPC	1.1158	1.1157	-0.2	1.12E+05	1.53	0.74	6.26	5.69E+02	0.285

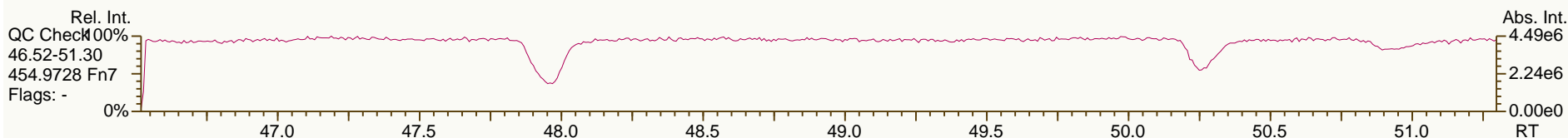
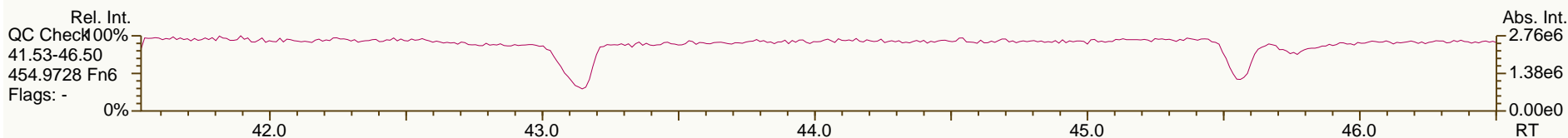
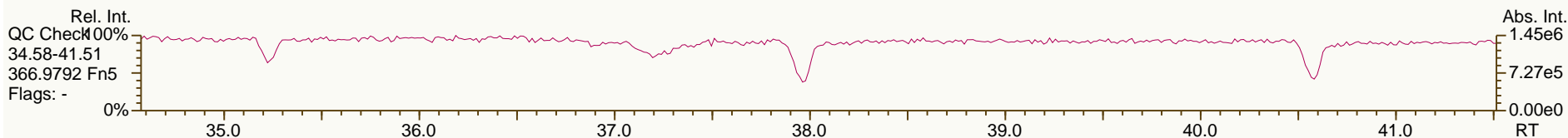
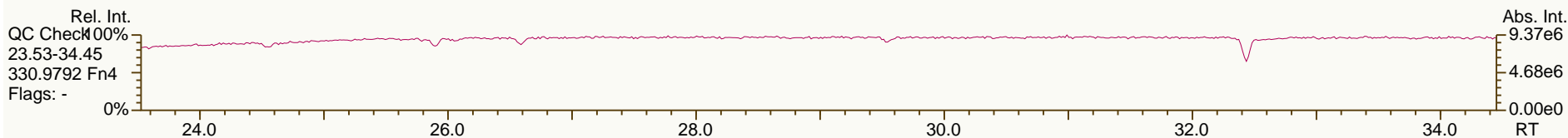
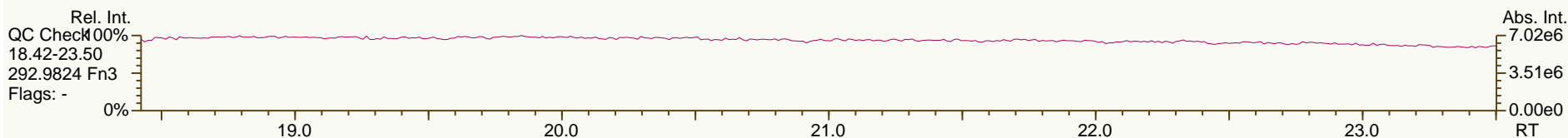
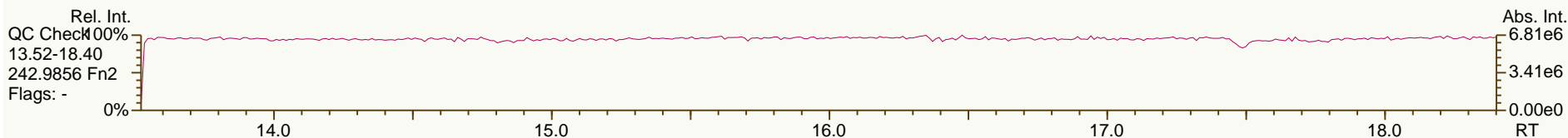
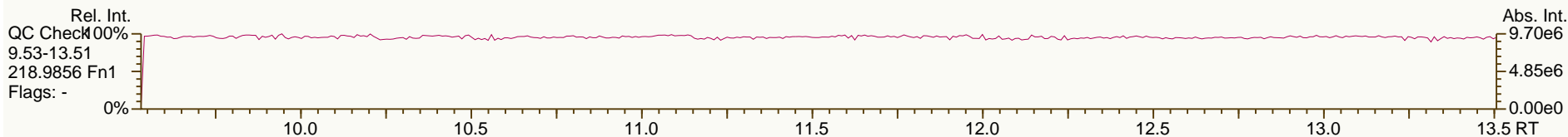
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	30.27	C	1.1269	1.1265	-0.7	2.91E+06	1.22	0.75	160	5.69E+02	0.28
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00		0.59	ND	5.69E+02	0.353
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00		0.72	ND	5.69E+02	0.293
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00		0.77	ND	5.69E+02	0.272
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00		0.65	ND	5.69E+02	0.321
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00		0.68	ND	5.69E+02	0.307
PCB-132 22'33'46"-HxCB	31.31		1.1655	1.1653	-0.4	9.45E+05	1.23	0.67	58.6	5.69E+02	0.315
PCB-133 22'33'55"-HxCB	31.77		1.1826	1.1823	-0.6	8.02E+04	1.27	0.69	4.82	5.69E+02	0.305
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00		0.85	ND	5.69E+02	0.247
PCB-146 22'34'55"-HxCB	32.31		0.9550	0.9549	-0.2	8.27E+05	1.34	0.76	45.1	5.69E+02	0.277
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00		0.93	ND	5.69E+02	0.226
PCB-153/168 ...-HxCB	32.83	C	0.9709	0.9702	-1.4	4.27E+06	1.26	0.89	198	5.69E+02	0.236
PCB-141 22'34'55"-HxCB	32.98		0.9746	0.9746	0	4.67E+05	1.25	0.73	26.4	5.69E+02	0.287
PCB-130 22'33'45"-HxCB	33.32		0.9847	0.9846	-0.2	2.35E+05	1.19	0.63	15.4	5.69E+02	0.332
PCB-137 22'34'4'5"-HxCB	33.51		0.9904	0.9902	-0.4	1.43E+05	1.19	0.81	7.27	5.69E+02	0.258
PCB-164 233'4'5'6"-HxCB	33.60		0.9930	0.9930	0	3.20E+05	1.33	0.89	14.8	5.69E+02	0.235
PCB-163/138/129 ...-HxCB	33.86	C	1.0012	1.0008	-0.8	4.33E+06	1.25	0.78	228	5.69E+02	0.267
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00		0.87	ND	5.69E+02	0.241
PCB-158 233'44'6"-HxCB	34.19		1.0106	1.0105	-0.2	4.60E+05	1.27	1.00	18.9	5.69E+02	0.209
PCB-128/166 ...-HxCB	34.91	C	0.9593	0.9593	0	7.08E+05	1.23	0.97	28.8	1.08E+03	0.454
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00		1.08	ND	1.08E+03	0.407
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.14	ND	1.08E+03	0.387
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		1.07	ND	4.09E+02	0.201
PCB-179 22'33'566"-HpCB	31.95	EMPC	1.0089	1.0089	0	3.55E+05	1.20	1.06	17.8	4.09E+02	0.202
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00		1.04	ND	4.09E+02	0.206
PCB-176 22'33'466"-HpCB	32.70		1.0324	1.0324	0	1.01E+05	1.14	1.13	4.73	4.09E+02	0.189
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00		1.10	ND	4.09E+02	0.195
PCB-178 22'33'55'6"-HpCB	34.26	EMPC	1.0816	1.0816	0	1.55E+05	1.32	0.78	10.6	4.09E+02	0.274
PCB-175 22'33'45'6"-HpCB	34.79		1.0985	1.0984	-0.2	3.82E+04	0.98	0.86	2.35	9.46E+02	0.573
PCB-187 22'34'55'6"-HpCB	35.02		1.1057	1.1058	+0.2	1.28E+06	1.05	0.89	76.1	9.46E+02	0.555
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00		0.92	ND	9.46E+02	0.539
PCB-183 22'34'4'5'6"-HpCB	35.54		1.1219	1.1221	+0.4	4.81E+05	1.11	0.92	27.7	9.46E+02	0.537
PCB-185 22'34'55'6"-HpCB	35.62		1.1241	1.1246	+1.1	4.33E+04	0.93	0.88	2.6	9.46E+02	0.561
PCB-174 22'33'456"-HpCB	35.71		1.1276	1.1277	+0.2	6.74E+05	0.98	0.78	46.1	9.46E+02	0.637
PCB-177 22'33'45'6"-HpCB	36.08		1.1393	1.1393	0	4.52E+05	1.02	0.74	32.4	9.46E+02	0.669
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00		0.85	ND	9.46E+02	0.585
PCB-171/173 ...-HpCB	36.62	C	1.1556	1.1561	+1.1	1.92E+05	1.00	0.77	13.4	9.46E+02	0.647
PCB-172 22'33'455"-HpCB	38.00		0.9003	0.9004	+0.2	9.04E+04	0.94	0.51	4.81	9.46E+02	0.551
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00		0.66	ND	9.46E+02	0.426
PCB-180/193 ...-HpCB	38.54	C	0.9127	0.9132	+1.2	1.88E+06	1.05	0.84	60.4	9.46E+02	0.333
PCB-191 233'44'5'6"-HpCB	38.84		0.9203	0.9202	-0.2	3.84E+04	1.14	0.67	1.55	9.46E+02	0.417
PCB-170 22'33'44'5"-HpCB	39.59		0.9380	0.9379	-0.2	6.00E+05	1.09	0.70	23.3	9.46E+02	0.402
PCB-190 233'44'56"-HpCB	40.03		0.9486	0.9486	0	1.59E+05	0.98	0.66	6.52	9.46E+02	0.423
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0005	-0.2	1.49E+05	0.87	0.83	8.88	7.39E+02	0.47
PCB-201 22'33'45'66"-OoCB	36.98		1.0221	1.0220	-0.2	7.77E+04	0.97	0.94	4.1	7.39E+02	0.415

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.90	ND	7.39E+02	0.43
PCB-197 22'33'44'66'-OcCB	37.74		1.0431	1.0431	0	2.23E+04	0.92	1.00	1.1	7.39E+02	0.387
PCB-200 22'33'4566'-OcCB	37.81		1.0451	1.0450	-0.2	6.15E+04	0.96	0.88	3.46	7.39E+02	0.443
PCB-198/199 ...-OcCB	40.20	C	1.1102	1.1109	+1.7	5.61E+05	0.82	0.58	47.6	7.39E+02	0.666
PCB-196 22'33'44'56'-OcCB	40.75		1.1260	1.1261	+0.2	2.10E+05	0.94	0.60	17.3	7.39E+02	0.649
PCB-203 22'344'55'6-OcCB	40.92		1.1306	1.1309	+0.7	3.56E+05	0.86	0.63	27.8	7.39E+02	0.614
PCB-195 22'33'44'56-OcCB	42.01		0.9469	0.9468	-0.3	1.60E+05	0.95	0.74	9.39	8.89E+02	0.576
PCB-194 22'33'44'55'-OcCB	44.00		0.9915	0.9915	0	5.36E+05	0.97	0.82	28.1	8.89E+02	0.515
PCB-205 233'44'55'6-OcCB	44.39	J	1.0004	1.0004	0	2.36E+04	0.89	1.09	0.934	8.89E+02	0.388
PCB-208 22'33'455'66'-NoCB	41.83		1.0005	1.0005	0	1.32E+05	0.81	0.98	6.8	1.05E+03	0.701
PCB-207 22'33'44'566'-NoCB	42.60		1.0192	1.0191	-0.3	5.77E+04	0.73	1.01	2.89	1.05E+03	0.68
PCB-206 22'33'44'55'6-NoCB	45.86		1.0004	1.0004	0	3.51E+05	0.79	0.93	24.8	1.05E+03	0.837

AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

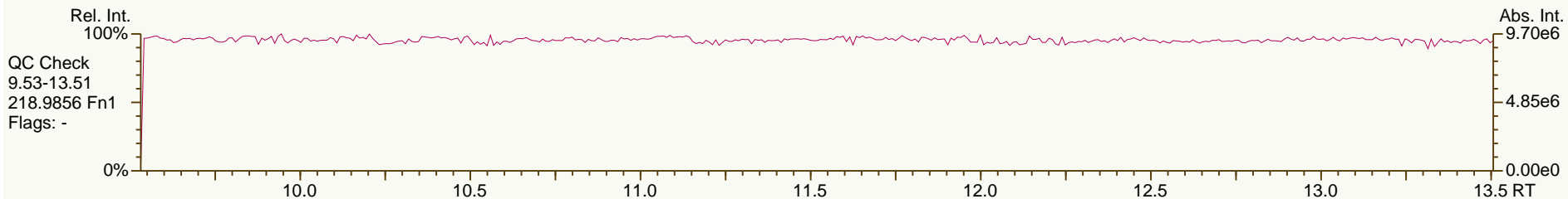
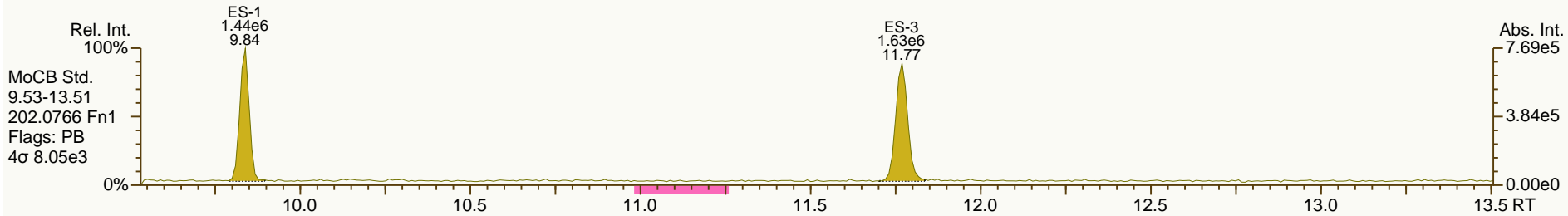
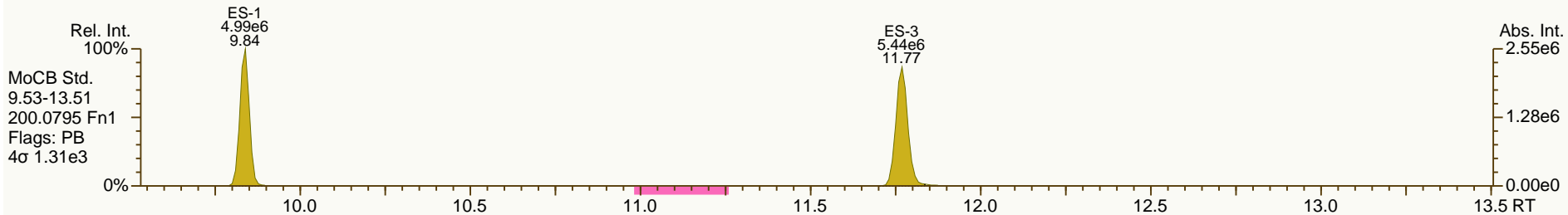
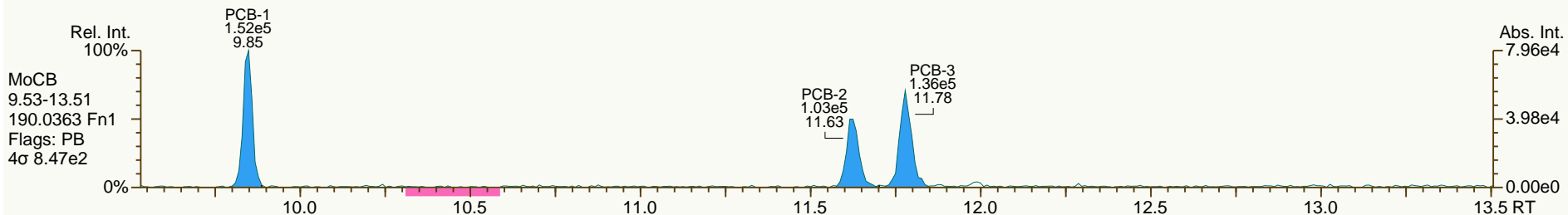
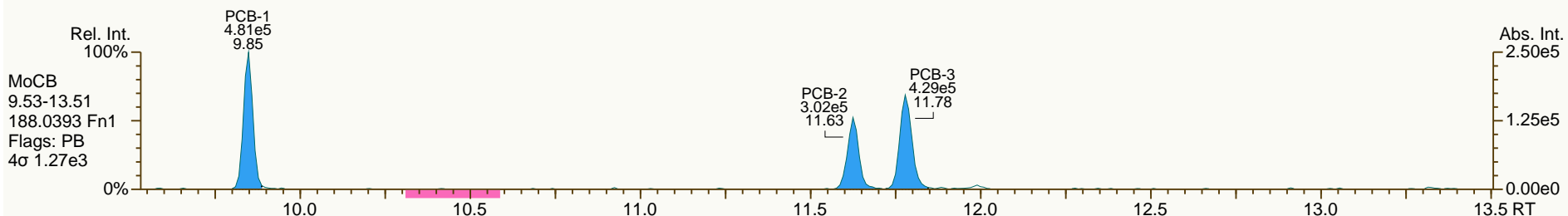
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AP Lab ID: A4371_9893_PCB_010-RJ
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Sample ID: JW-RG-COMP-120508
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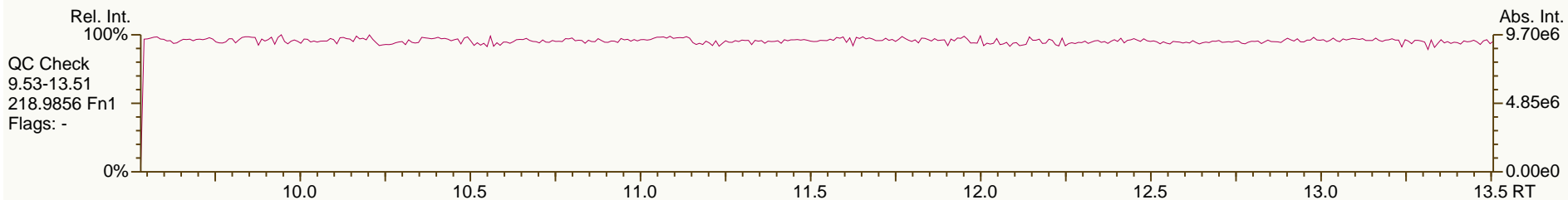
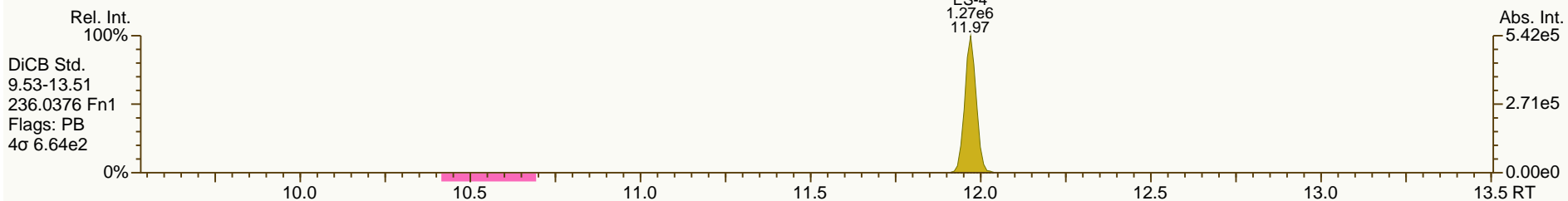
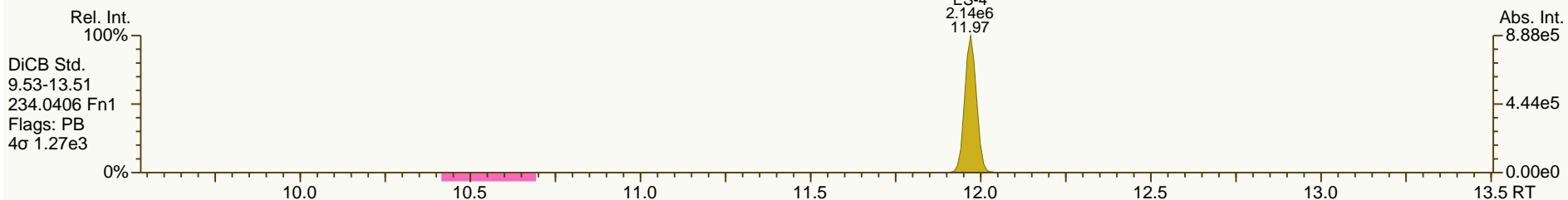
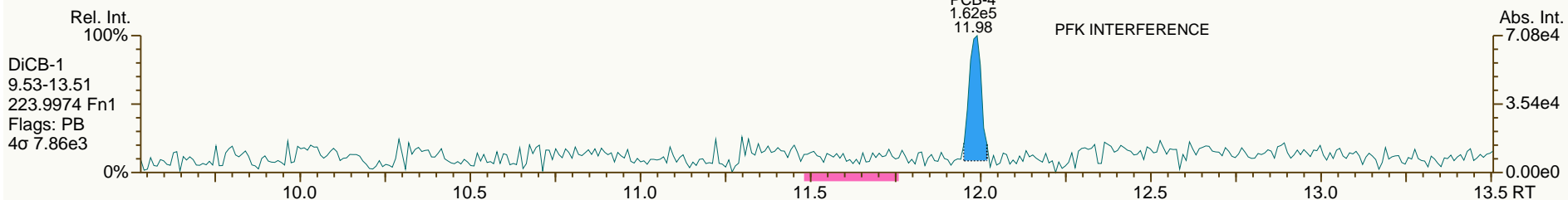
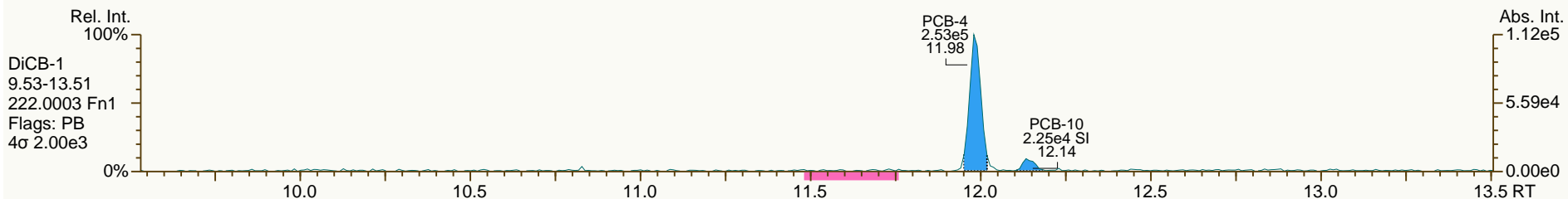
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AP Lab ID: A4371_9893_PCB_010-RJ
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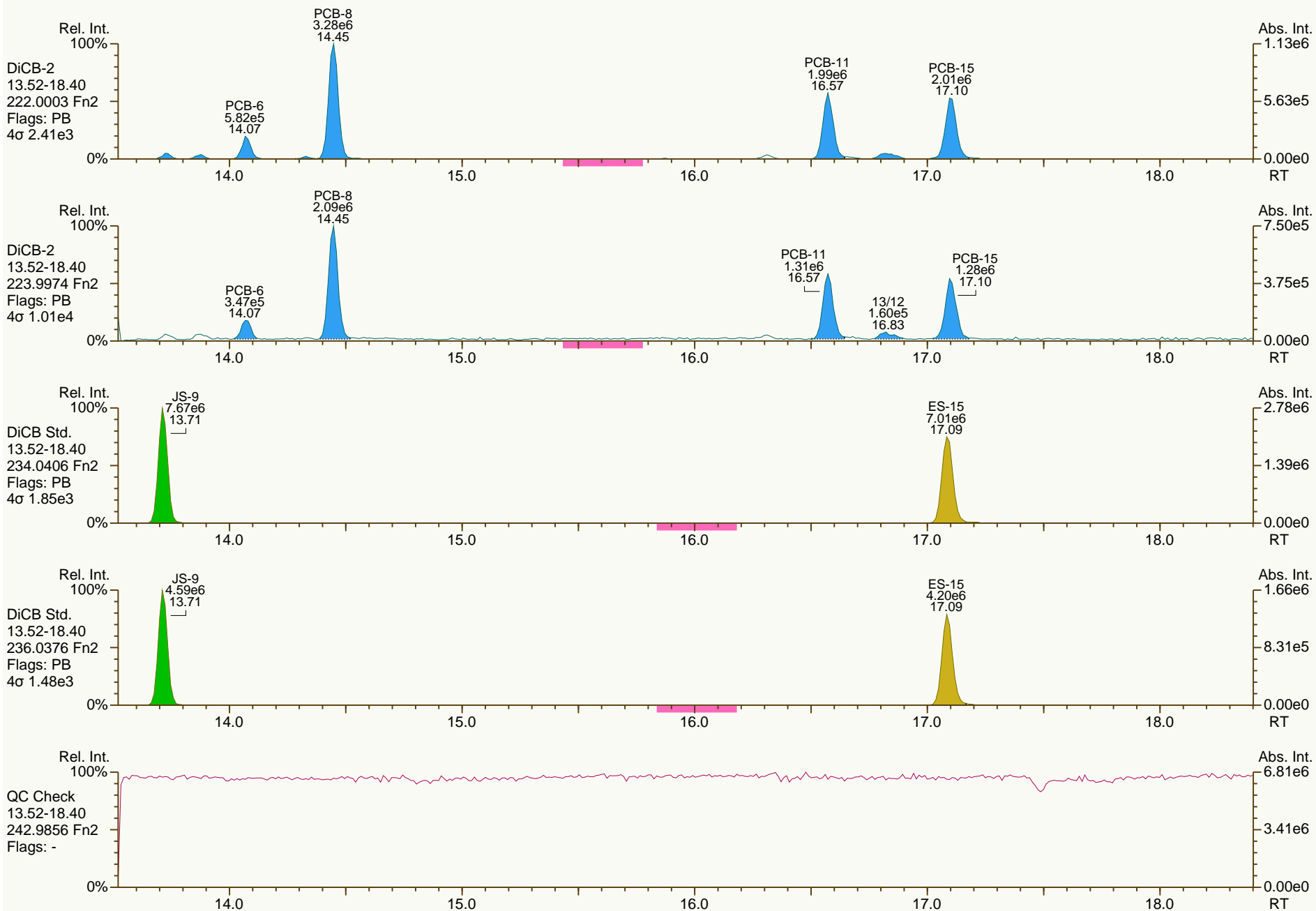
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AP Lab ID: A4371_9893_PCB_010-RJ
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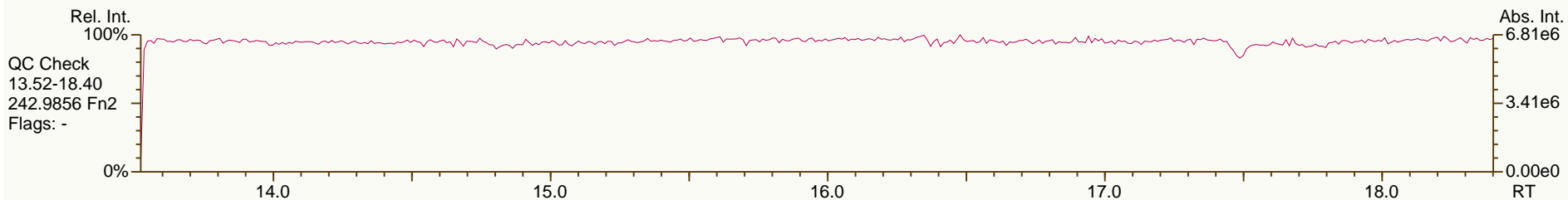
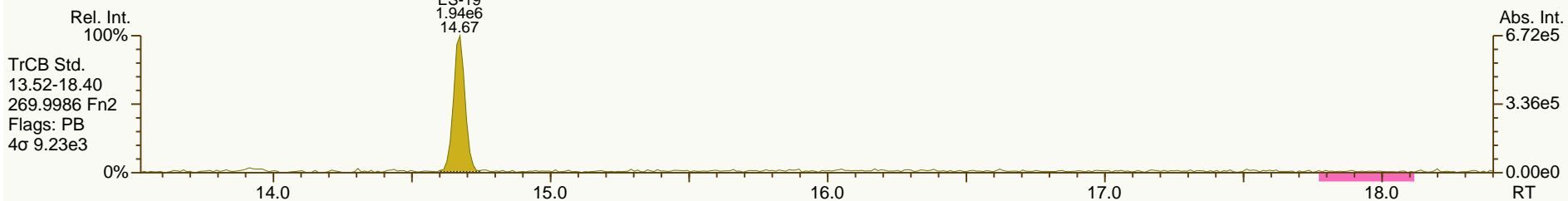
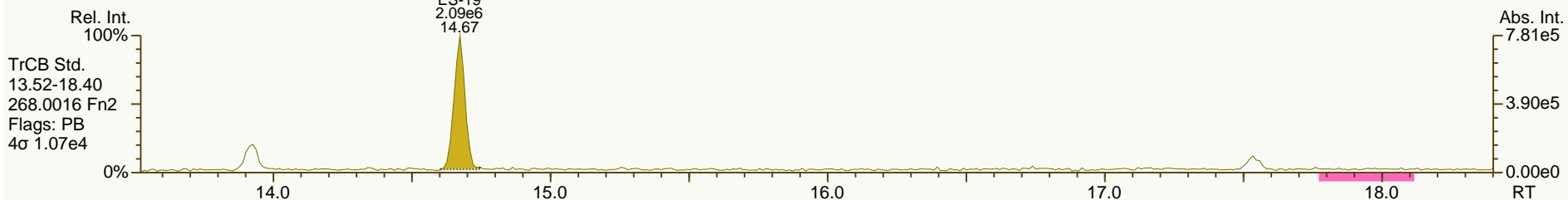
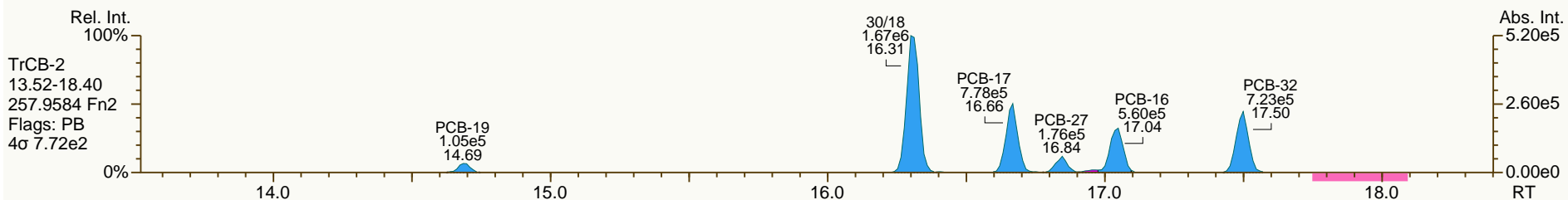
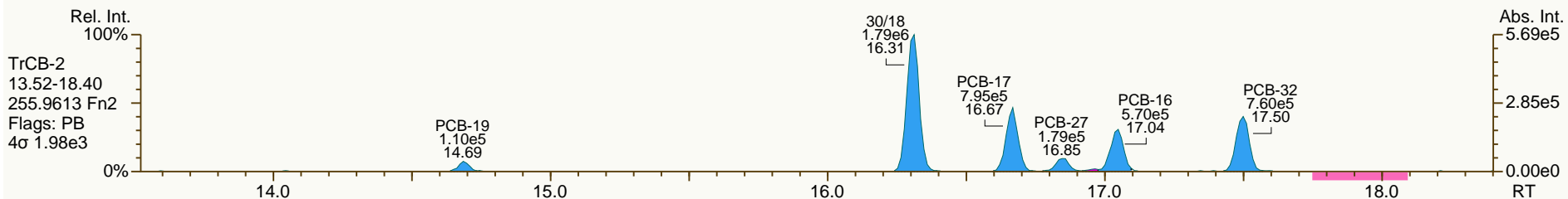
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

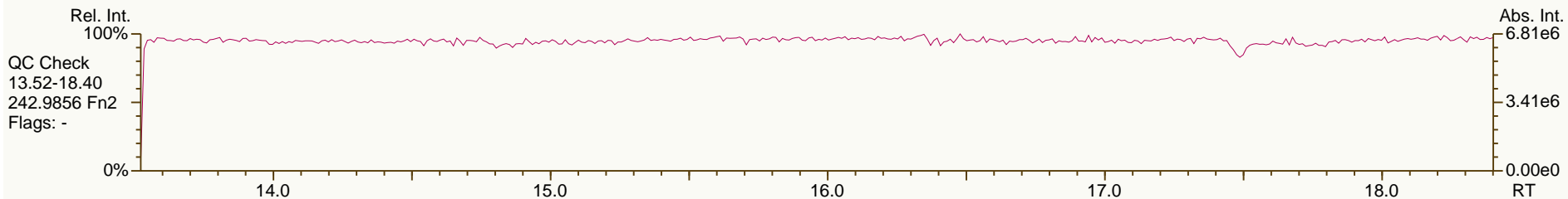
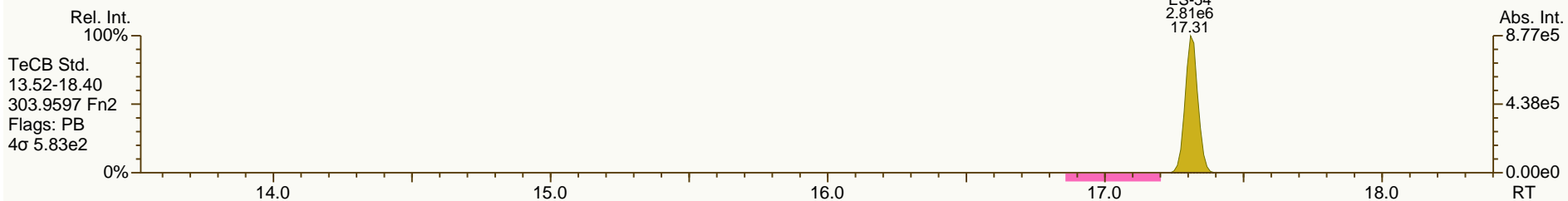
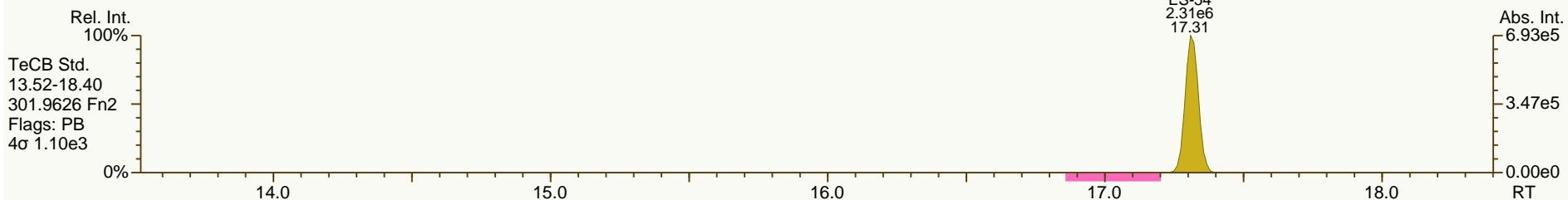
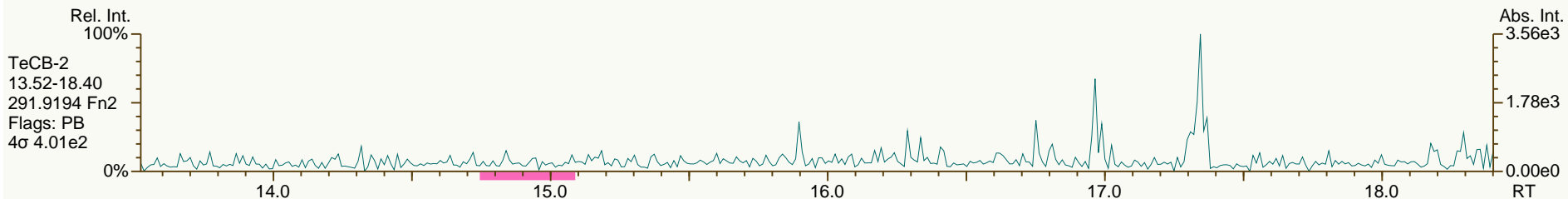
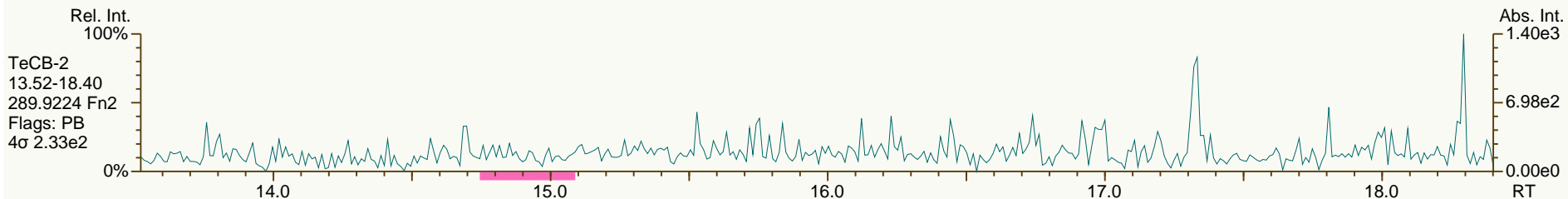
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

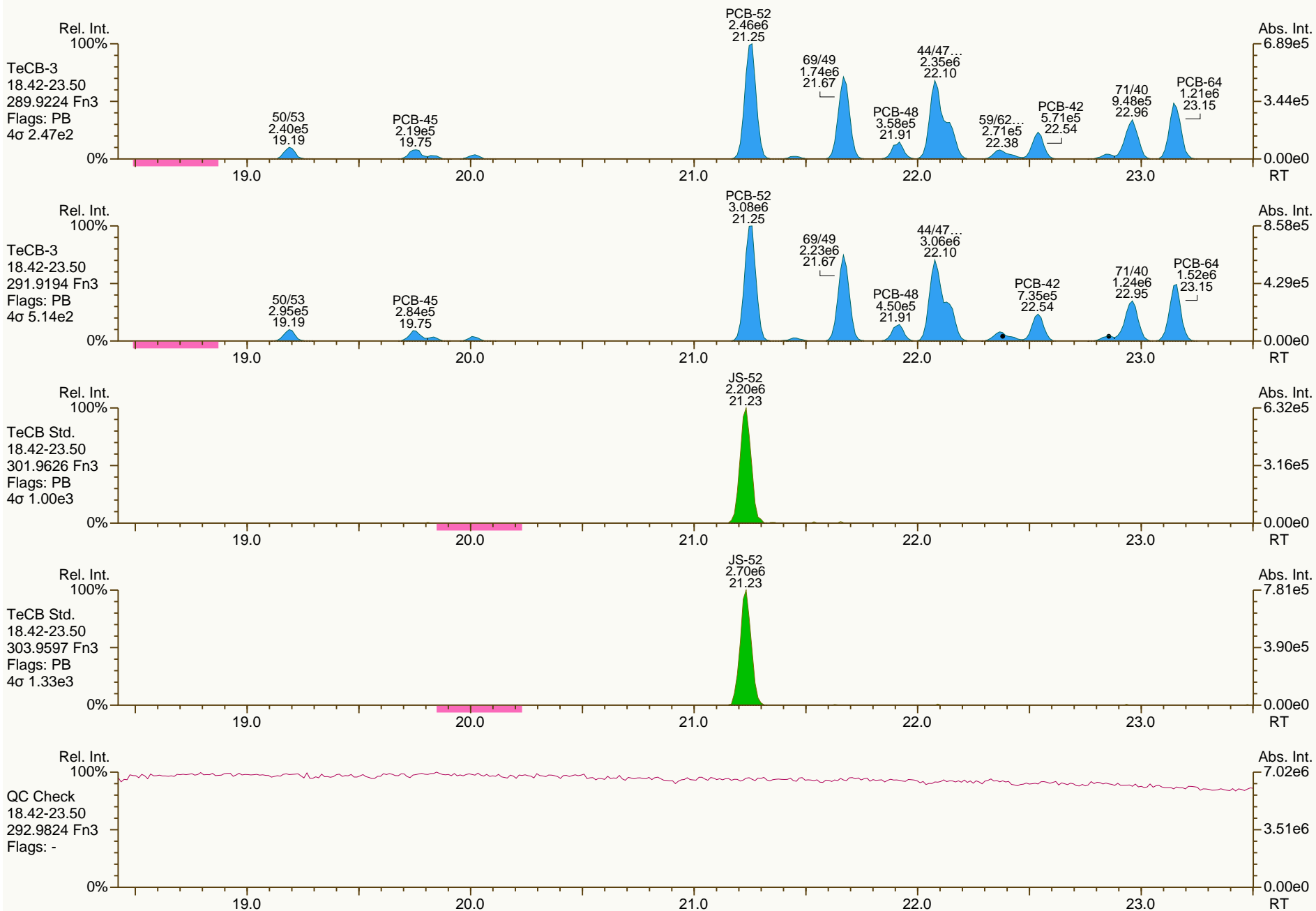
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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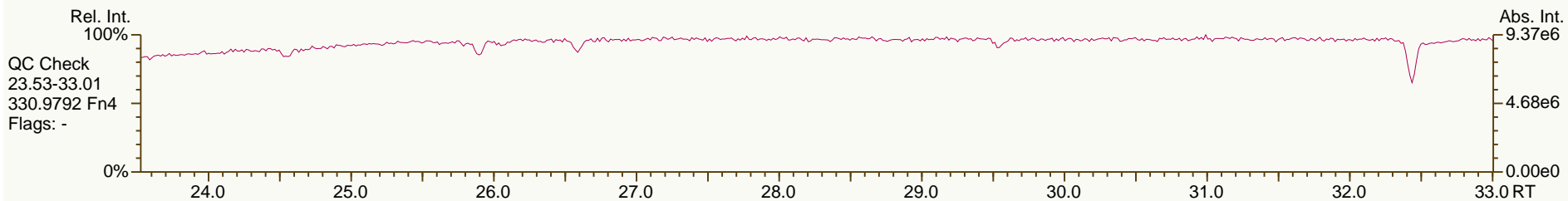
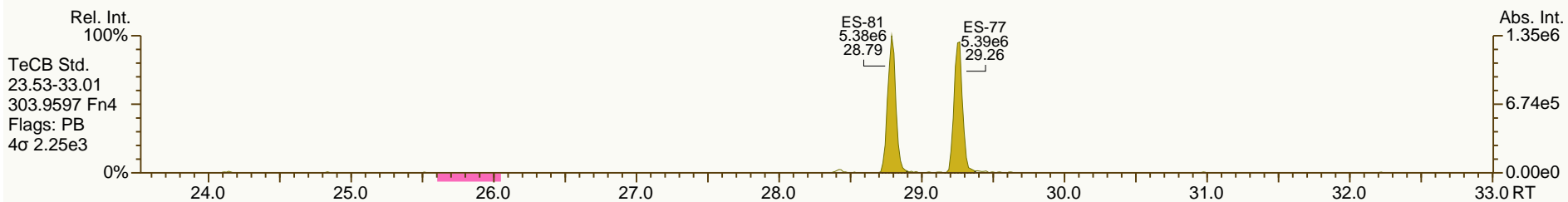
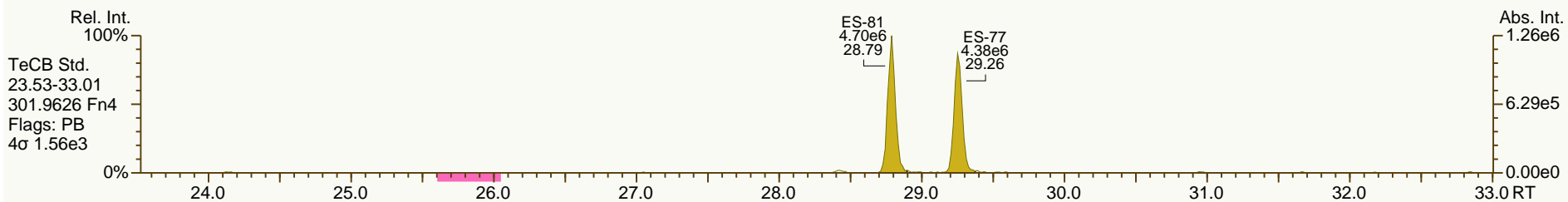
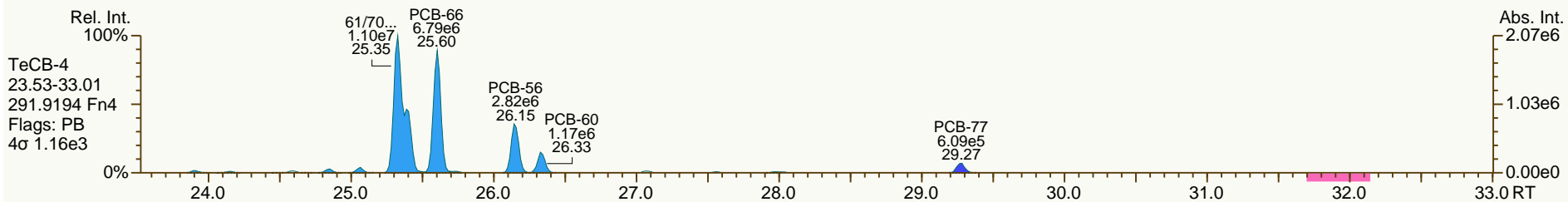
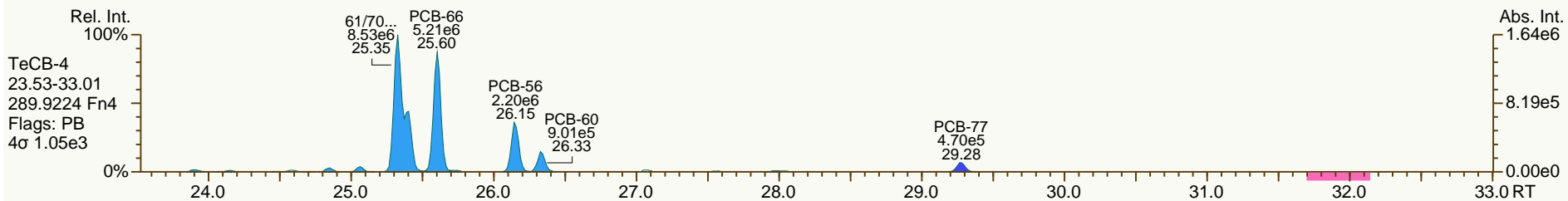
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
 User: LKB Datafile: 120705S16



AP Lab ID: A4371_9893_PCB_010-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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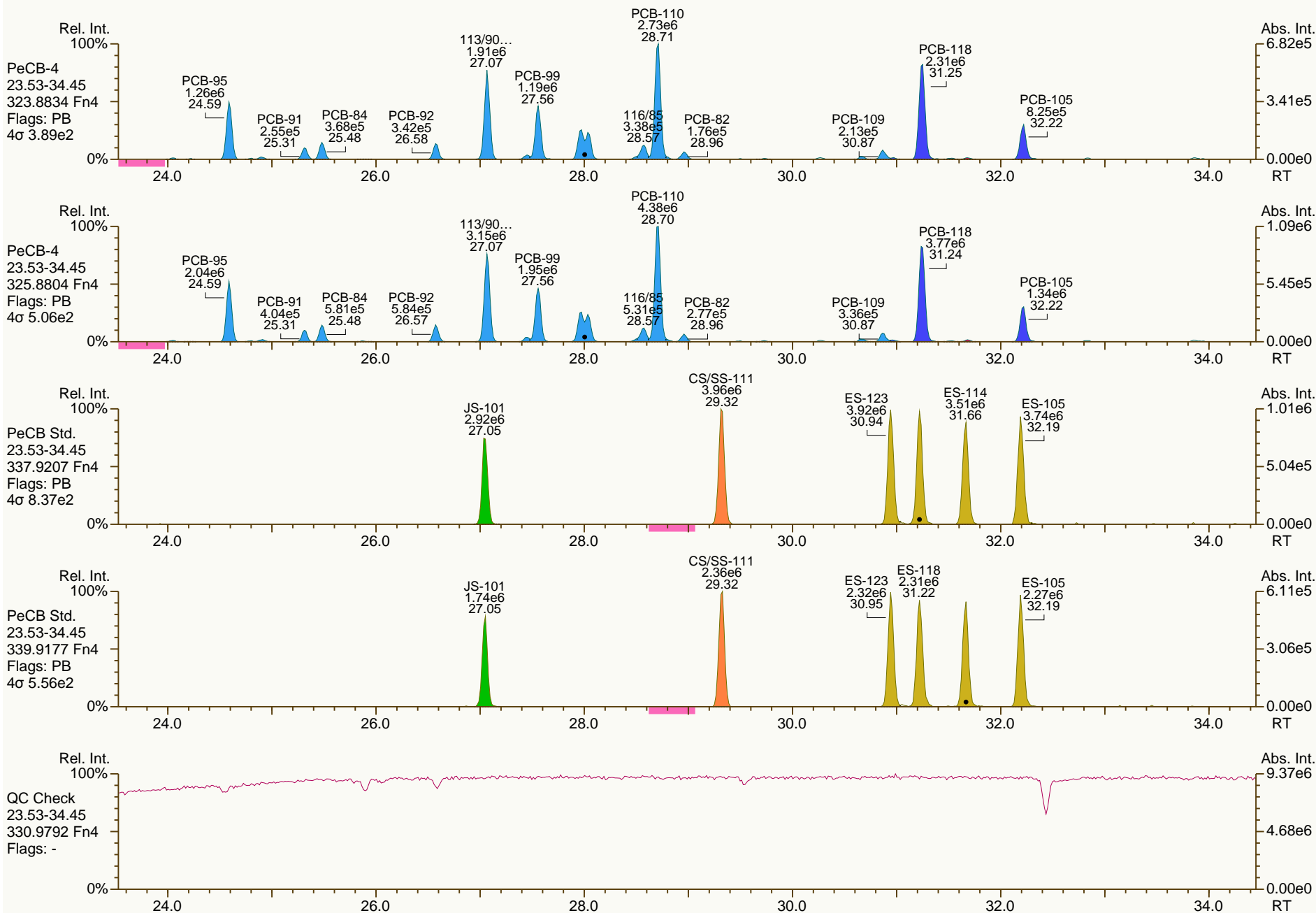
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

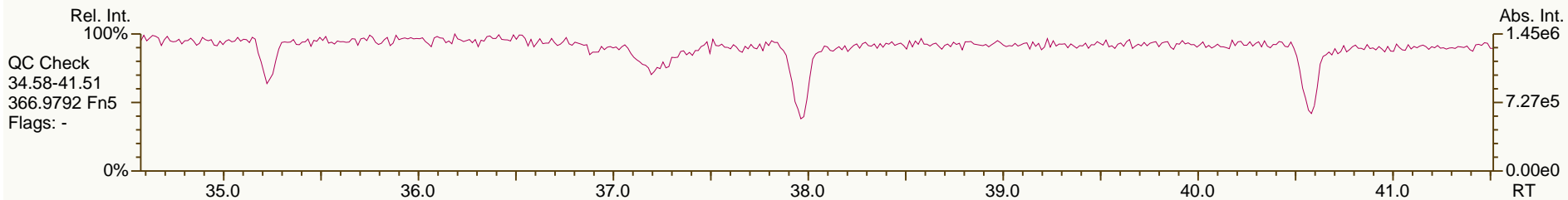
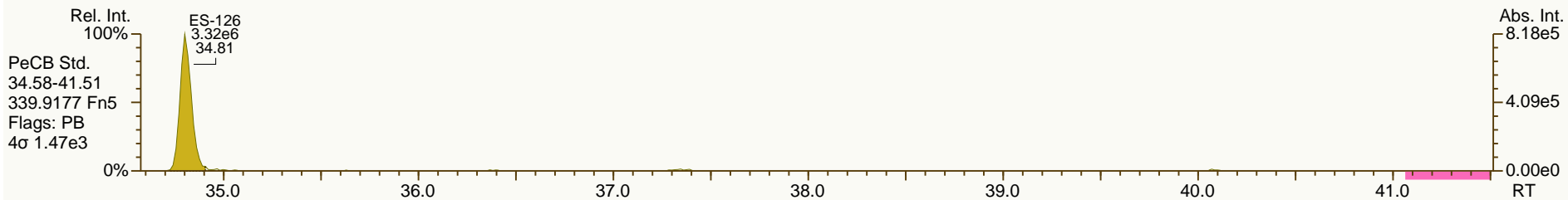
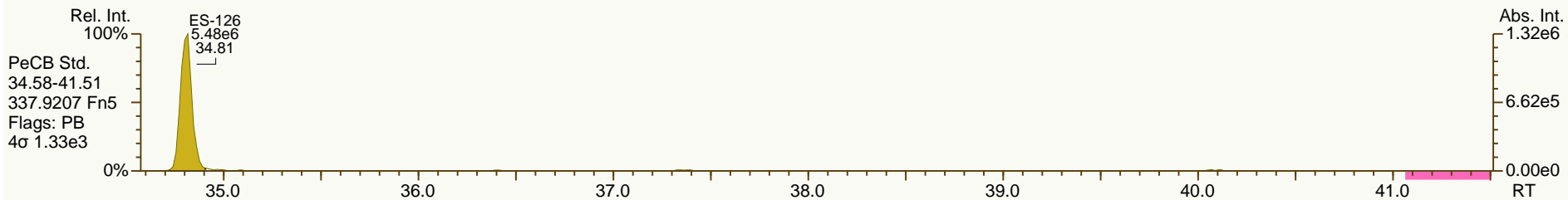
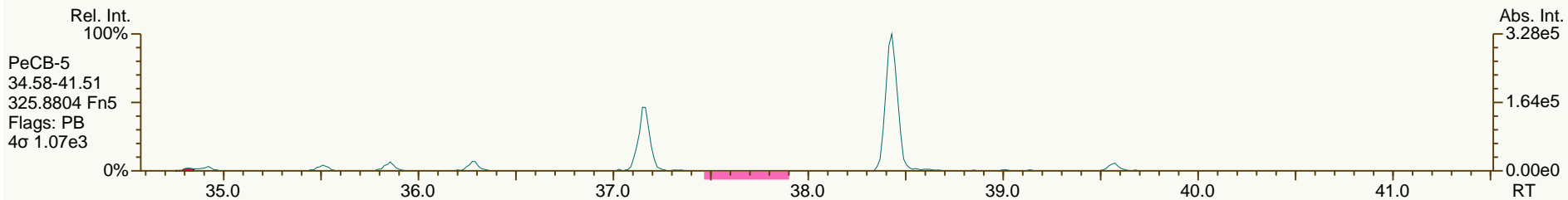
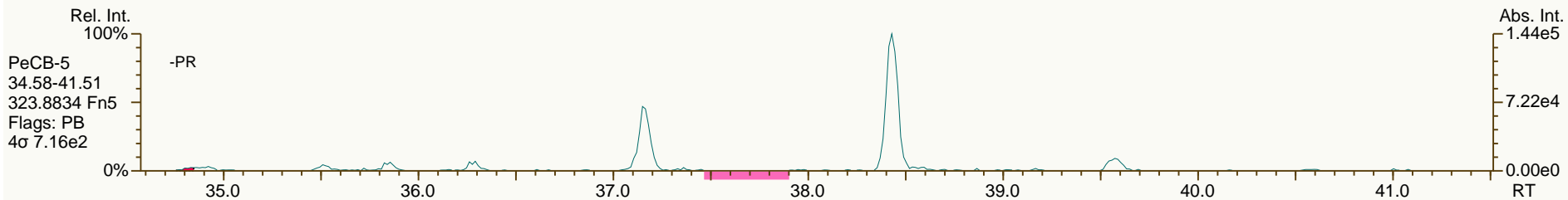
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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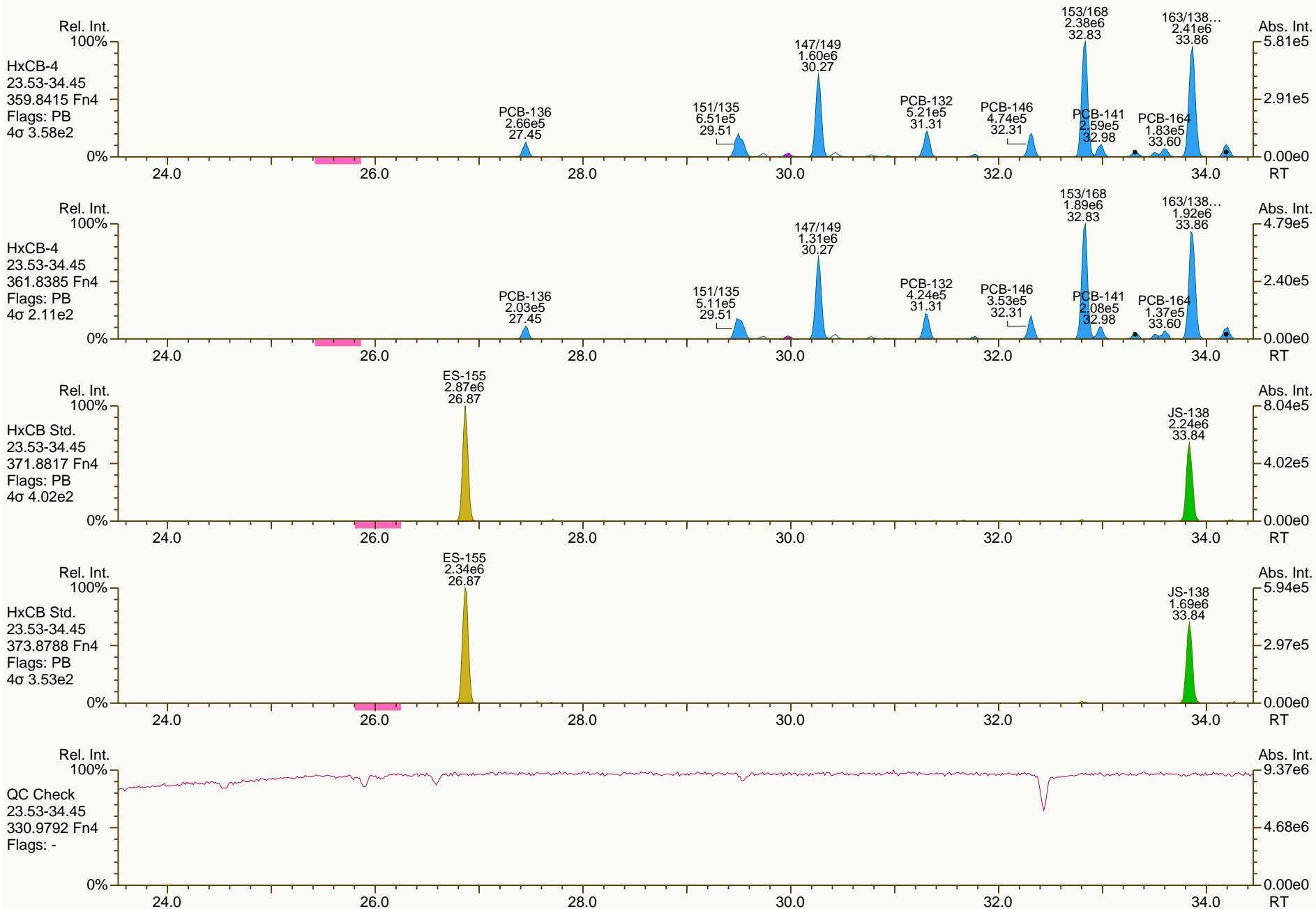
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AP Lab ID: A4371_9893_PCB_010-RJ
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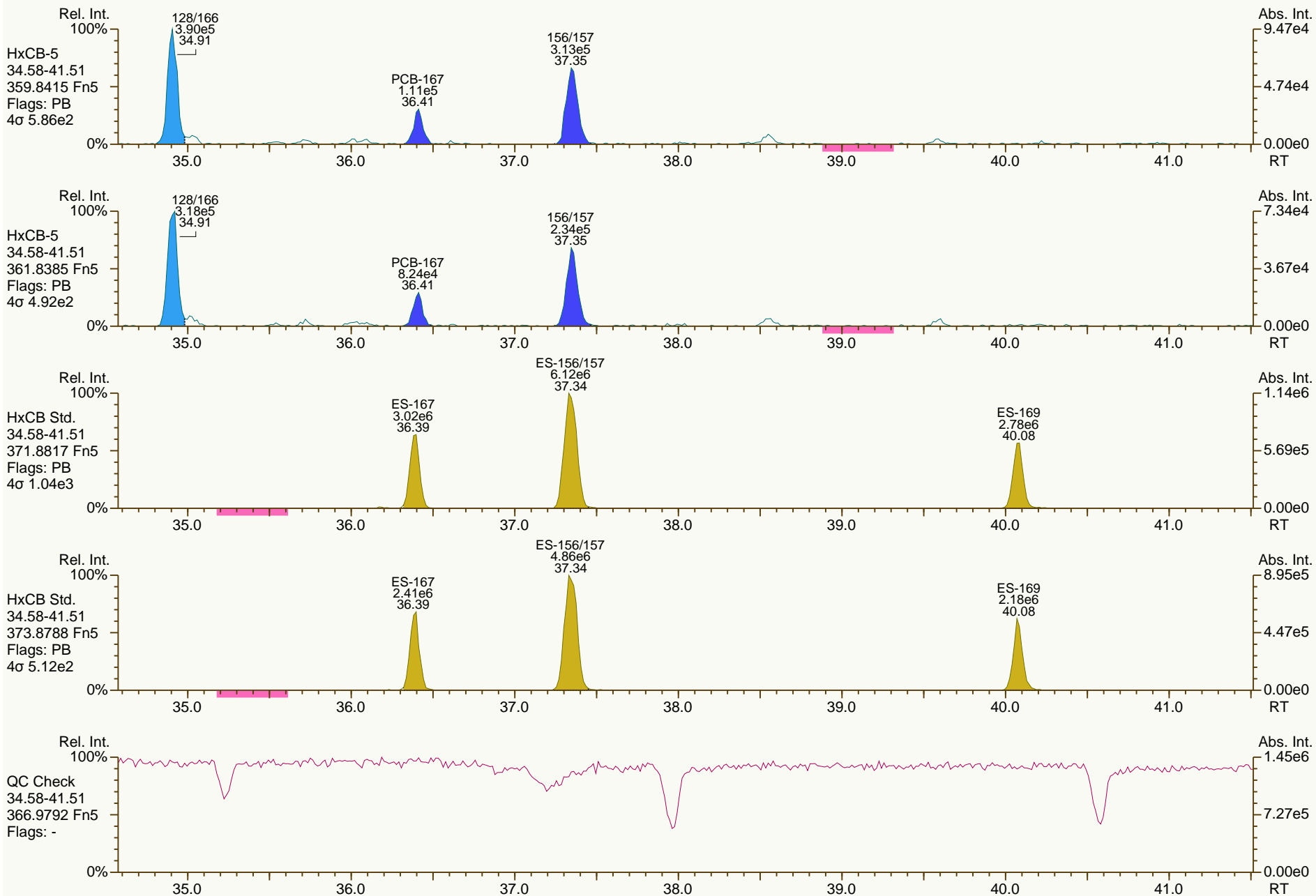
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AP Lab ID: A4371_9893_PCB_010-RJ
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Sample ID: JW-RG-COMP-120508
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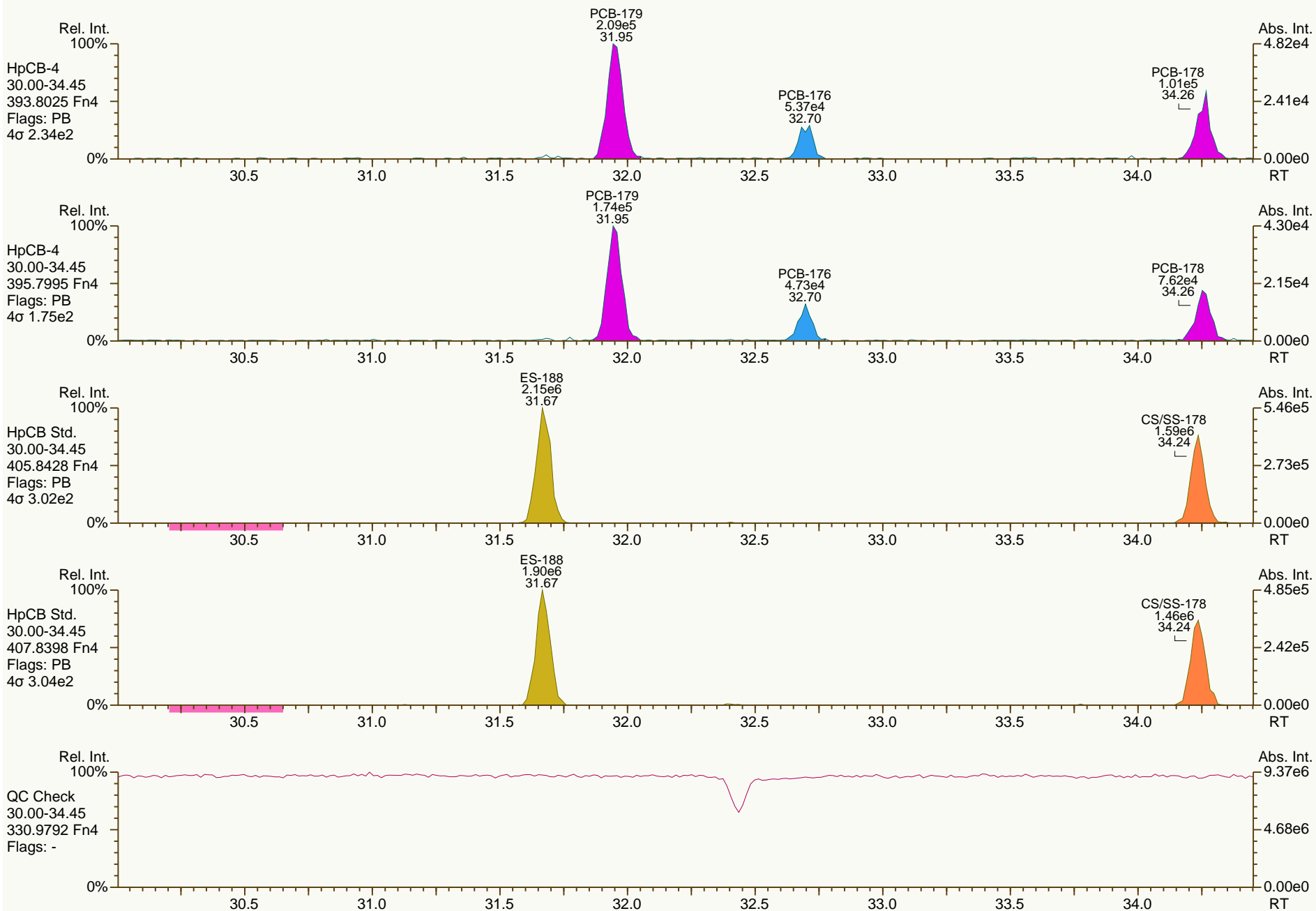
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AP Lab ID: A4371_9893_PCB_010-RJ
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Sample ID: JW-RG-COMP-120508
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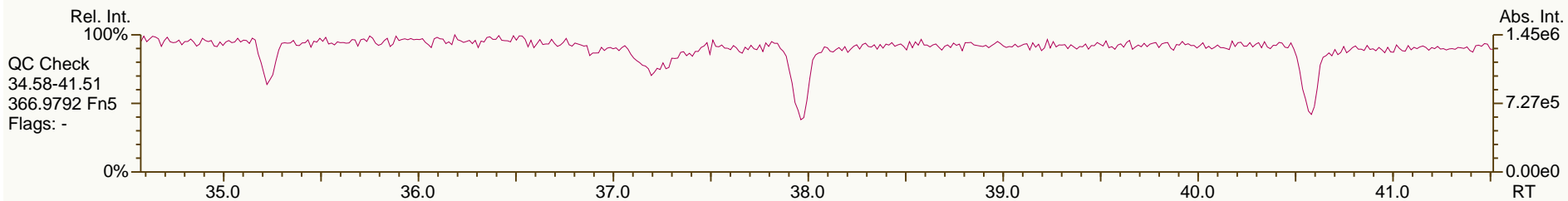
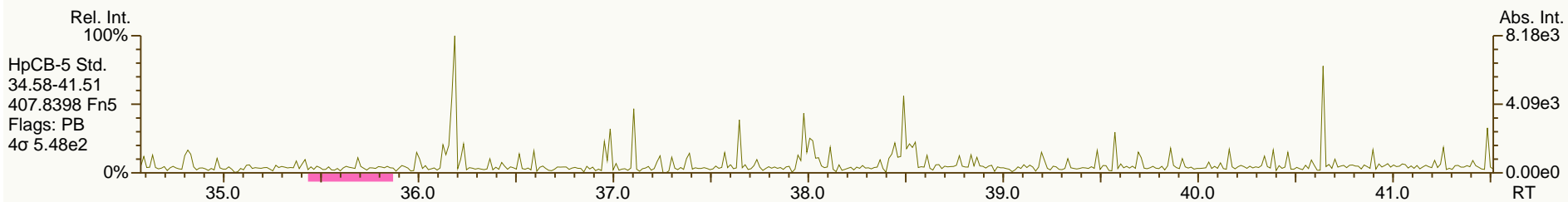
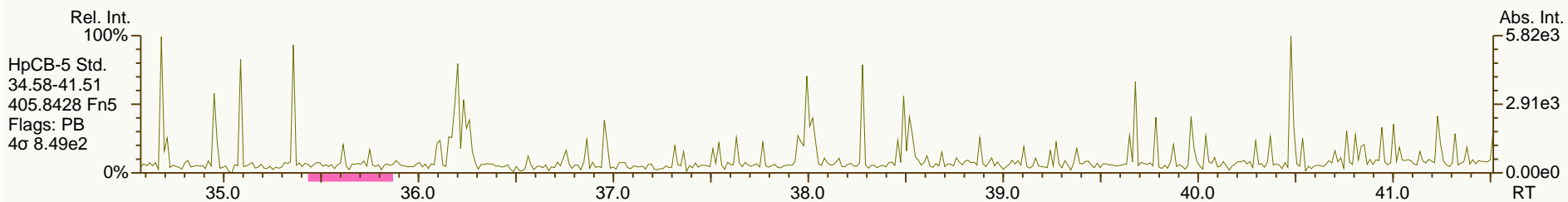
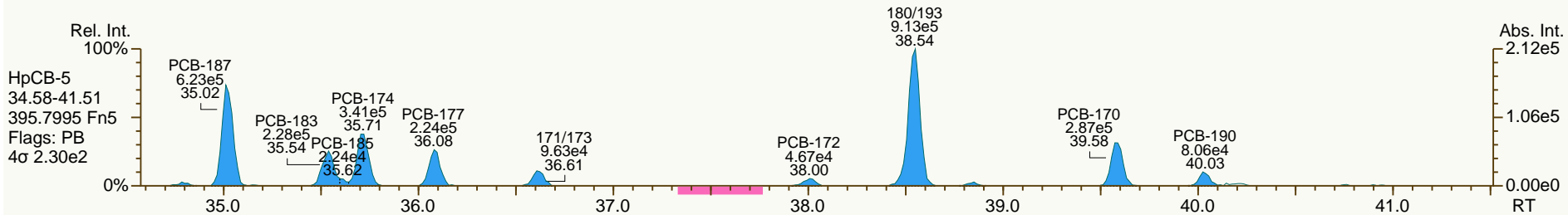
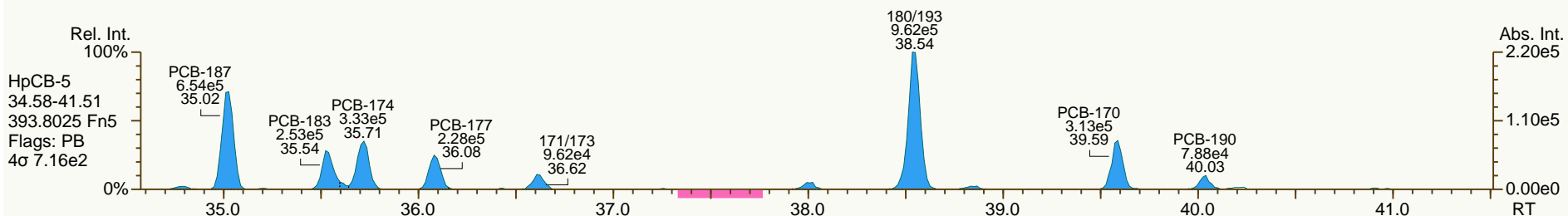
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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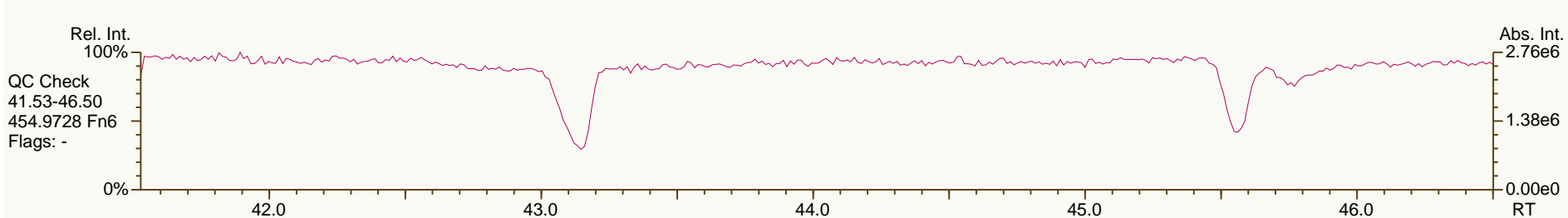
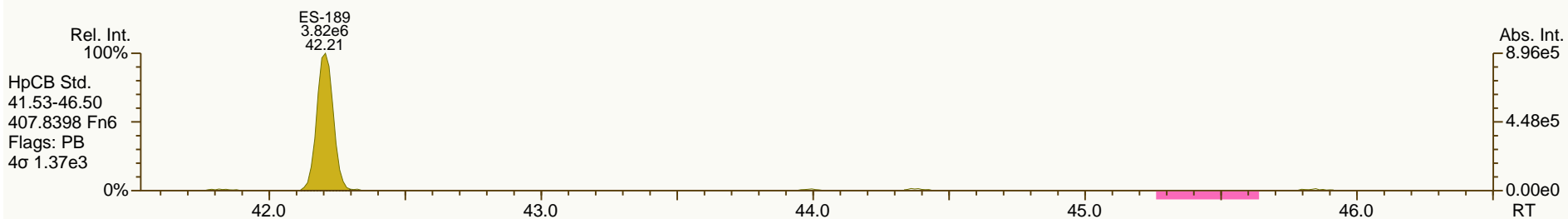
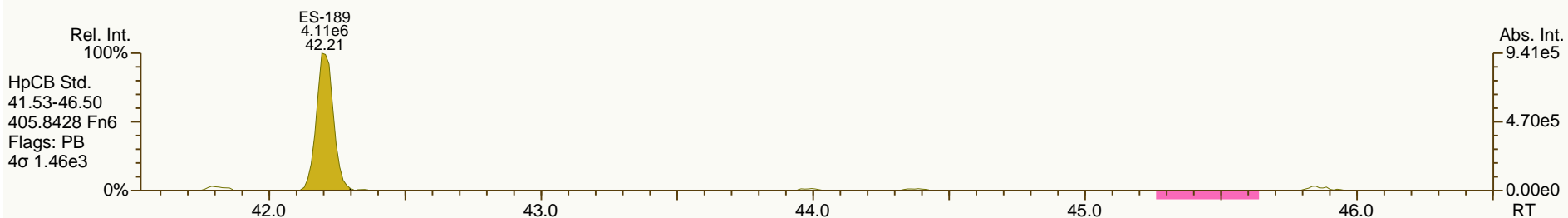
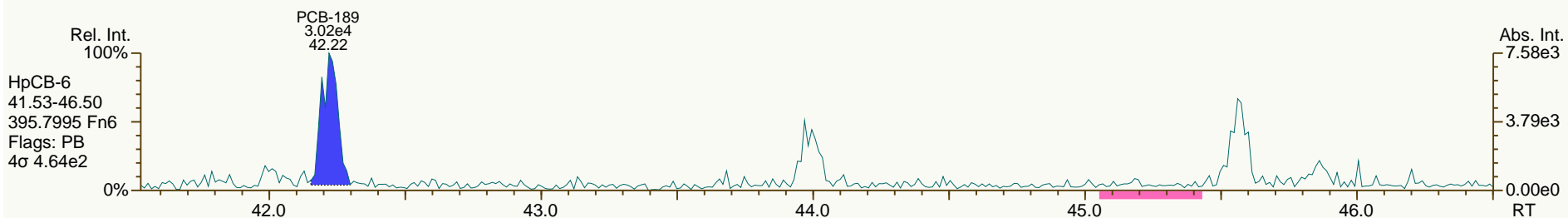
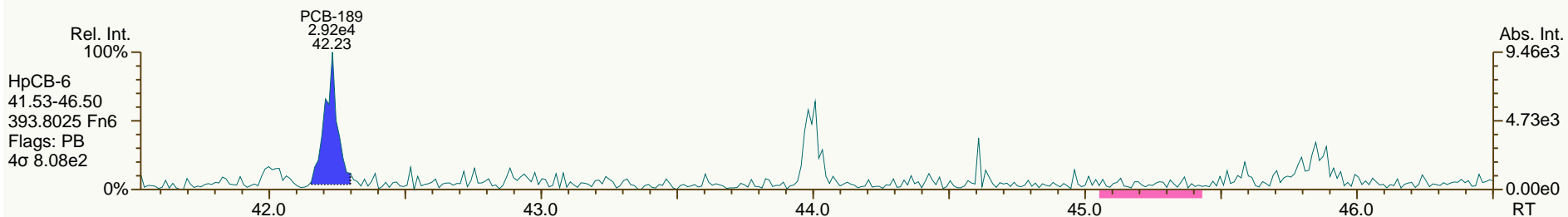
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Sample ID: JW-RG-COMP-120508
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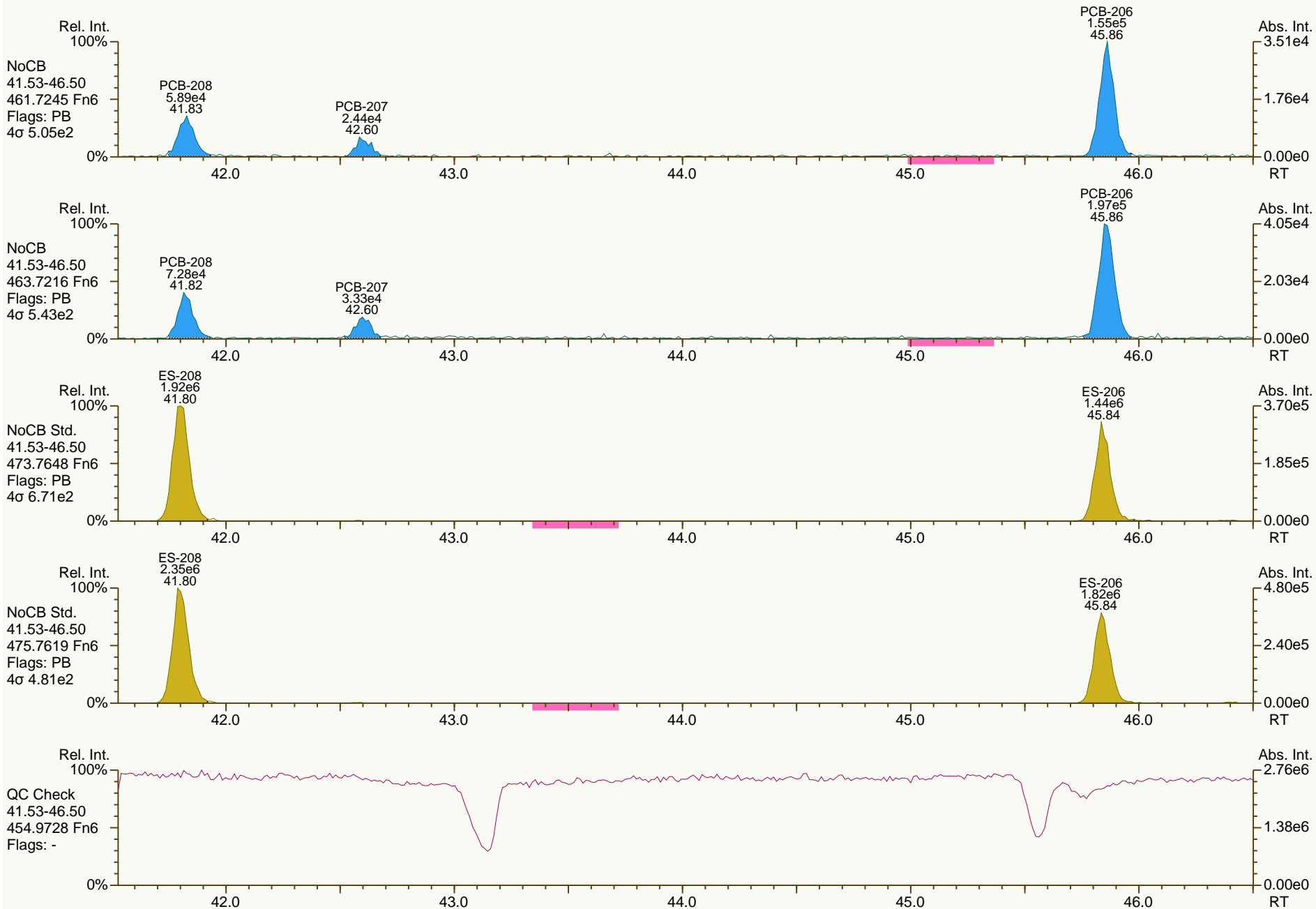
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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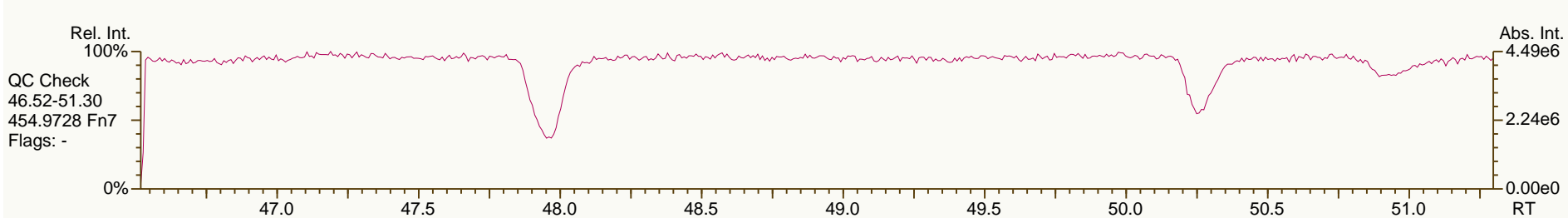
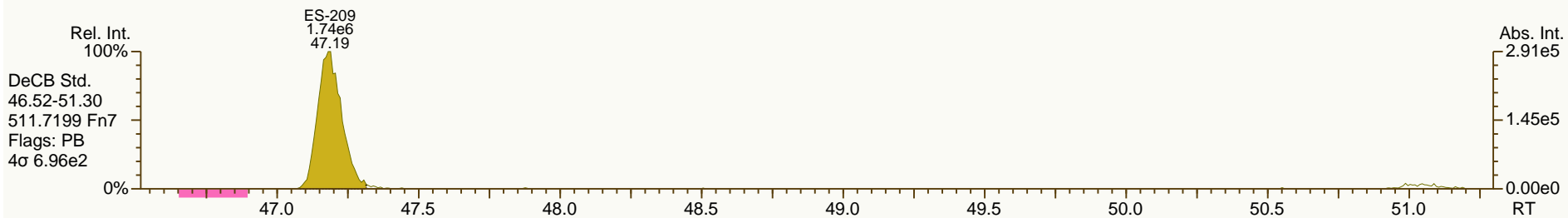
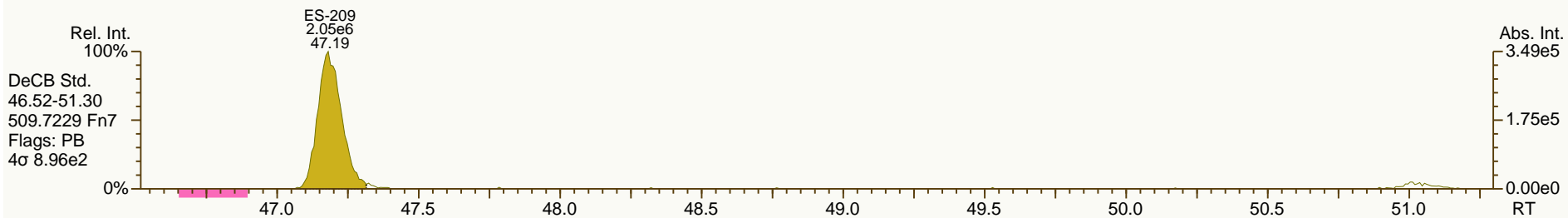
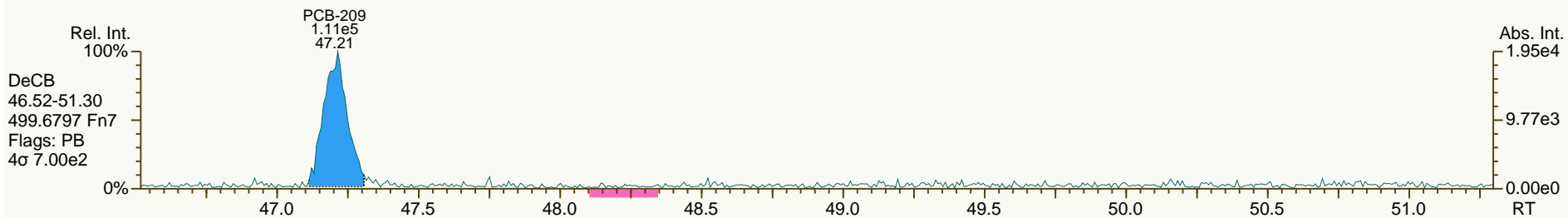
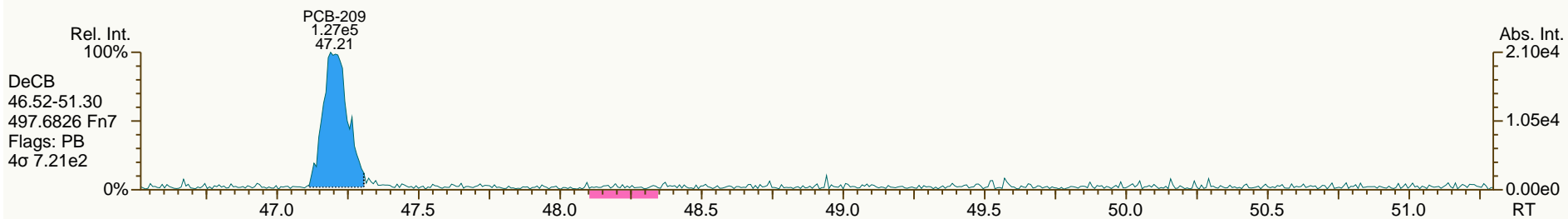
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AP Lab ID: A4371_9893_PCB_010-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
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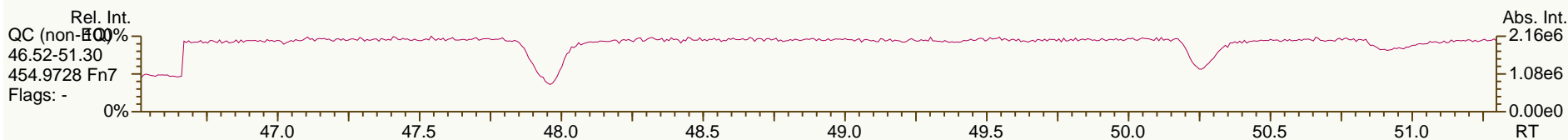
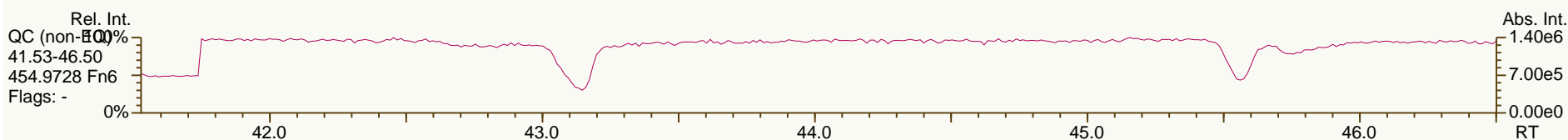
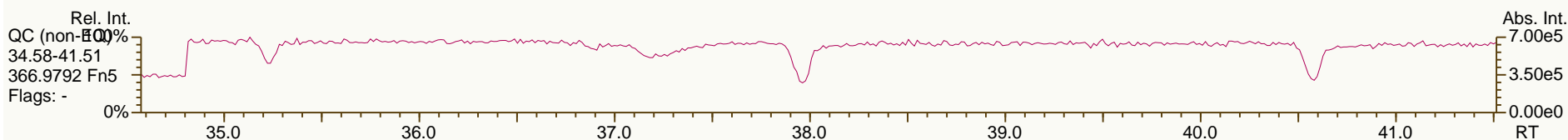
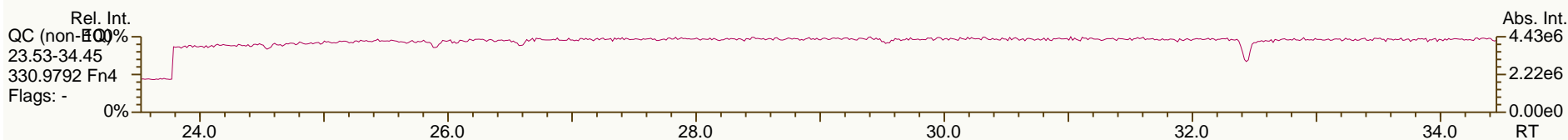
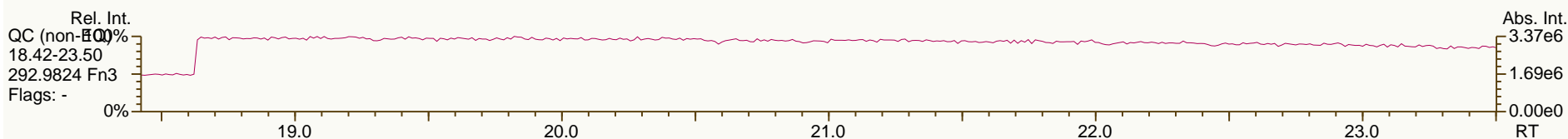
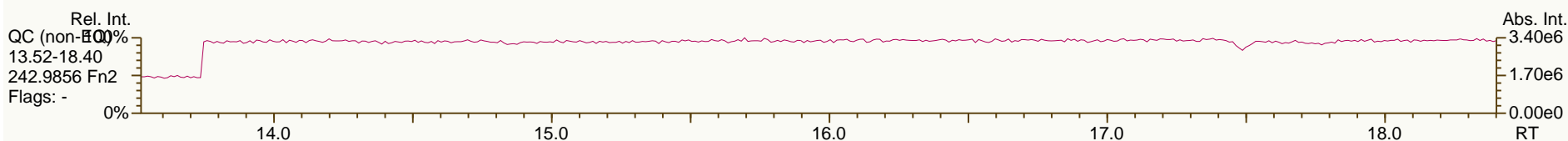
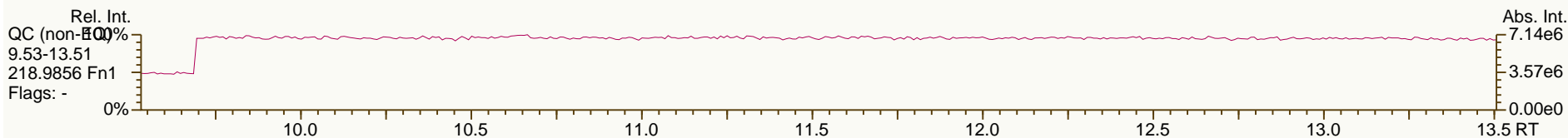
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AP Lab ID: A4371_9893_PCB_010-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: JW-RG-COMP-120508
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 40

Acq: 06-Jul-2012 01:47:39
User: LKB Datafile: 120705S16



Analytical Perspectives — Run Log

Project: A4371_9893_PCB

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120705S01	15	CS3_120705_PCB_SA	1.00	M1668-RETCON S40-51	LKB	721-881	05-Jul-2012	11:33:26
2	120705S02	29	OPR1_9893_PCB-RJ	1.00	OPR #73533	LKB	660-384	05-Jul-2012	12:41:45
3	120705S03	3	SBS_120705_PCB_SA	1.00	SIL9-41-1	LKB	369-353	05-Jul-2012	13:34:47
4	120705S04	30 ✓	MB1_9893_PCB_SDS-RJ	1.00	MB #73532	LKB	223-346	05-Jul-2012	14:38:04
5	120705S05	31	A4371_9893_PCB_001-RJ	7.19	JW-EA58-COMP-120507	LKB	716-834	05-Jul-2012	15:31:06
6	120705S06	32	A4371_9893_PCB_002-RJ	8.15	JW-EA08-COMP-120507	LKB	113-638	05-Jul-2012	16:26:10
7	120705S07	33	A4371_9893_PCB_003-RJ	9.38	JW-EA06-COMP-120507	LKB	031-742	05-Jul-2012	17:21:14
8	120705S08	34 ✓	A4371_9893_PCB_004-RJ	6.91	JW-EA03-COMP-120507	LKB	364-195	05-Jul-2012	18:16:17
9	120705S09	3	SBS_120705_PCB_SB	1.00	SIL9-41-1	LKB	502-351	05-Jul-2012	19:11:21
10	120705S10	15	CS3_120705_PCB_SB	1.00	M1668-RETCON S40-51	LKB	109-887	05-Jul-2012	20:06:24
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12	120705S12	36	A4371_9893_PCB_006-RJ	9.53	JW-EA04-COMP-120507	LKB	275-977	05-Jul-2012	22:07:24
13	120705S13	37	A4371_9893_PCB_007-RJ	9.48	JW-EA09-COMP-120507	LKB	746-448	05-Jul-2012	23:02:26
14	120705S14	38 ✓	A4371_9893_PCB_008-RJ	10.35	JW-UR-COMP-120508	LKB	296-129	05-Jul-2012	23:57:26
15	120705S15	39	A4371_9893_PCB_009-RJ	7.69	JW-DR-COMP-120508	LKB	696-554	06-Jul-2012	00:52:32
16	120705S16	40	A4371_9893_PCB_010-RJ	9.31	JW-RG-COMP-120508	LKB	182-994	06-Jul-2012	01:47:39

✓ = manual calculation

REVIEWED
By Laura Boivin at 4:37 pm, Jul 09, 2012

REVIEWED
By Todd Vilen at 11:16 am, Jul 11, 2012

PCB QC Summary		SGS Analytical Perspectives			Processed: 11-Jul-2012 10:34		
Lab ID:	CS3_120705_PCB_SA						
Acquired:	05-JUL-2012 11:33		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120705S01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.28	6.50E+06	0.77 Y	1.22	1.21	-1.0%	
PCB-81 344'5'-TeCB	28.81	6.23E+06	0.75 Y	1.24	1.08	-13.5%	
PCB-105 233'44'-PeCB	32.22	3.86E+06	0.60 Y	1.03	0.96	-6.6%	
PCB-114 2344'5'-PeCB	31.68	4.58E+06	0.62 Y	1.10	1.15	4.6%	
PCB-118 23'44'5'-PeCB	31.24	4.37E+06	0.60 Y	1.03	0.99	-4.5%	
PCB-123 2'344'5'-PeCB	30.96	4.23E+06	0.60 Y	0.93	0.98	5.5%	
PCB-126 33'44'5'-PeCB	34.84	5.04E+06	0.61 Y	1.11	1.05	-5.4%	
PCB-156/157 233'44'5'/233'44'5'	37.36	7.55E+06	1.27 Y	1.05	1.01	-3.0%	
PCB-167 23'44'55'-HxCB	36.40	4.09E+06	1.26 Y	1.08	1.11	2.3%	
PCB-169 33'44'55'-HxCB	40.10	3.14E+06	1.28 Y	1.04	0.97	-6.9%	
PCB-189 233'44'55'-HpCB	42.22	5.02E+06	1.04 Y	1.11	1.11	0.4%	
PCB-209 DeCB	47.20	2.97E+06	1.18 Y	1.05	0.98	-7.0%	
ES PCB-1	9.85	1.81E+07	3.35 Y	1.01	0.93	-8.2%	
ES PCB-3	11.78	1.71E+07	3.25 Y	1.05	0.88	-16.3%	
ES PCB-4	11.98	9.87E+06	1.64 Y	0.70	0.51	-27.3%	
ES PCB-15	17.10	1.90E+07	1.64 Y	1.17	0.98	-16.7%	
ES PCB-19	14.68	9.78E+06	1.08 Y	0.57	0.50	-11.4%	
ES PCB-37	23.08	1.23E+07	1.12 Y	1.41	1.42	0.8%	
ES PCB-54	17.32	1.08E+07	0.80 Y	1.32	1.25	-5.2%	
ES PCB-77	29.26	1.07E+07	0.79 Y	1.22	1.24	1.9%	
ES PCB-81	28.79	1.16E+07	0.80 Y	1.15	1.34	16.4%	
ES PCB-104	22.03	8.66E+06	1.65 Y	1.69	1.19	-29.3%	
ES PCB-105	32.19	8.05E+06	1.56 Y	1.21	1.11	-8.1%	
ES PCB-114	31.66	7.97E+06	1.68 Y	1.23	1.10	-10.8%	
ES PCB-118	31.22	8.85E+06	1.61 Y	1.25	1.22	-2.1%	
ES PCB-123	30.94	8.67E+06	1.62 Y	1.33	1.20	-9.9%	
ES PCB-126	34.81	9.57E+06	1.65 Y	1.36	1.32	-2.8%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.86	9.40E+06	1.29 Y	1.40	1.68	19.8%	
ES PCB-156/157	37.34	1.49E+07	1.26 Y	1.13	1.33	17.8%	
ES PCB-167	36.38	7.39E+06	1.36 Y	1.13	1.32	17.1%	
ES PCB-169	40.08	6.46E+06	1.23 Y	1.14	1.16	1.2%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.67	6.59E+06	1.08 Y	1.34	1.18	-11.9%	
ES PCB-189	42.20	9.01E+06	1.08 Y	1.77	1.76	-0.3%	
ES PCB-202	36.18	6.62E+06	0.90 Y	1.27	1.18	-6.8%	
ES PCB-205	44.37	7.04E+06	0.92 Y	1.25	1.37	10.1%	
ES PCB-206	45.83	5.42E+06	0.78 Y	1.07	1.06	-0.8%	
ES PCB-208	41.80	6.39E+06	0.78 Y	1.34	1.25	-6.7%	
ES PCB-209	47.19	6.09E+06	1.19 Y	1.18	1.19	0.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 11-Jul-2012 10:34		
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.68	1.48E+07	1.10 Y	0.98	1.20	22.4%	
SS PCB-111	29.32	9.35E+06	1.68 Y	0.90	1.08	20.2%	
SS PCB-178	34.23	4.64E+06	1.10 Y	0.65	0.70	8.6%	
CS PCB-28	19.68	1.48E+07	1.10 Y	1.39	1.71	23.4%	
CS PCB-111	29.32	9.35E+06	1.68 Y	1.19	1.29	8.3%	
CS PCB-178	34.23	4.64E+06	1.10 Y	0.87	0.83	-4.3%	
JS PCB-9	13.73	1.94E+07	1.64 Y		-	-	
JS PCB-52	21.23	8.64E+06	0.78 Y		-	-	
JS PCB-101	27.04	7.26E+06	1.66 Y		-	-	
JS PCB-138	33.83	5.59E+06	1.28 Y		-	-	
JS PCB-194	43.97	5.12E+06	0.89 Y		-	-	
PCB-1 2-MoCB	9.86	1.13E+07	3.14 Y	1.20	1.25	3.9%	
PCB-3 4-MoCB	11.79	1.05E+07	3.16 Y	1.13	1.23	8.5%	
PCB-4 22'-DiCB	12.00	5.44E+06	1.50 Y	0.94	1.10	16.7%	
PCB-15 44'-DiCB	17.11	9.59E+06	1.54 Y	1.01	1.01	0.5%	
PCB-19 22'6'-TrCB	14.70	4.70E+06	1.03 Y	1.01	0.96	-4.9%	
PCB-37 344'-TrCB	23.10	8.04E+06	1.05 Y	1.20	1.31	9.1%	
PCB-54 22'66'-TeCB	17.34	5.18E+06	0.78 Y	0.93	0.96	2.6%	
PCB-104 22'466'-PeCB	22.05	4.75E+06	0.62 Y	0.92	1.10	19.7%	
PCB-155 22'44'66'-HxCB	26.88	5.16E+06	1.31 Y	1.06	1.10	4.1%	
PCB-188 22'34'566'-HpCB	31.69	3.65E+06	1.04 Y	1.07	1.11	3.9%	
PCB-202 22'33'55'66'-OcCB	36.20	2.89E+06	0.94 Y	0.83	0.87	5.6%	
PCB-205 233'44'55'6'-OcCB	44.39	3.32E+06	0.90 Y	1.09	0.94	-13.7%	
PCB-208 22'33'455'66'-NoCB	41.82	3.03E+06	0.78 Y	0.98	0.95	-2.9%	
PCB-206 22'33'44'55'6'-NoCB	45.85	2.35E+06	0.77 Y	0.93	0.87	-7.2%	

PCB QC Summary - Ax2 Detail				Processed: 11-Jul-2012 10:34			
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.86	1.13E+07	3.14 Y	1.20	-	-	
PCB-2 3-MoCB	11.63	1.07E+07	3.20 Y	1.13	1.25	10.7%	
PCB-3 4-MoCB	11.79	1.05E+07	3.16 Y	1.13	-	-	
PCB-4 22'-DiCB	12.00	5.44E+06	1.50 Y	0.94	-	-	
PCB-10 26'-DiCB	12.15	8.16E+06	1.52 Y	1.43	1.65	15.5%	
PCB-9 25'-DiCB	13.74	8.76E+06	1.52 Y	0.87	0.92	6.4%	
PCB-7 24'-DiCB	13.88	9.88E+06	1.57 Y	1.00	1.04	3.7%	
PCB-6 23'-DiCB	14.08	9.55E+06	1.52 Y	0.94	1.01	7.3%	
PCB-5 23'-DiCB	14.35	9.37E+06	1.53 Y	0.92	0.99	7.2%	
PCB-8 24'-DiCB	14.46	9.80E+06	1.54 Y	0.95	1.03	8.9%	
PCB-14 35'-DiCB	15.87	1.09E+07	1.55 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	16.58	9.06E+06	1.54 Y	0.98	0.95	-2.3%	
PCB-13/12 34'-/34'-DiCB	16.85	1.85E+07	1.56 Y	0.97	0.98	0.8%	
PCB-15 44'-DiCB	17.11	9.59E+06	1.54 Y	1.01	-	-	
PCB-19 22'6'-TrCB	14.70	4.70E+06	1.03 Y	1.01	-	-	
PCB-30/18 246-/22'5'-TrCB	16.31	1.22E+07	1.04 Y	1.29	1.24	-3.8%	
PCB-17 22'4'-TrCB	16.68	5.12E+06	1.05 Y	1.14	1.05	-7.8%	
PCB-27 23'6'-TrCB	16.85	6.81E+06	1.05 Y	1.48	1.39	-6.1%	
PCB-24 236'-TrCB	16.97	6.50E+06	1.02 Y	1.43	1.33	-7.0%	
PCB-16 22'3'-TrCB	17.05	4.07E+06	1.06 Y	0.89	0.83	-6.8%	
PCB-32 24'6'-TrCB	17.51	7.32E+06	1.06 Y	1.56	1.50	-3.9%	
PCB-34 2'35'-TrCB	18.60	8.37E+06	1.04 Y	1.18	1.36	15.5%	
PCB-23 235'-TrCB	18.73	8.77E+06	1.05 Y	1.19	1.43	20.4%	
PCB-26/29 23'5'-/245'-TrCB	19.00	1.74E+07	1.05 Y	1.20	1.42	18.1%	
PCB-25 23'4'-TrCB	19.19	8.76E+06	1.04 Y	1.19	1.42	19.5%	
PCB-31 24'5'-TrCB	19.45	9.08E+06	1.07 Y	1.23	1.48	20.5%	
PCB-28/20 244'-/233'-TrCB	19.71	1.74E+07	1.05 Y	1.18	1.41	19.8%	
PCB-21/33 234'-/2'34'-TrCB	19.87	1.76E+07	1.05 Y	1.21	1.43	18.1%	
PCB-22 234'-TrCB	20.23	8.21E+06	1.04 Y	1.11	1.34	19.8%	
PCB-36 33'5'-TrCB	21.57	8.53E+06	1.07 Y	1.21	1.39	14.4%	
PCB-39 34'5'-TrCB	21.88	8.84E+06	1.04 Y	1.32	1.44	9.1%	
PCB-38 345'-TrCB	22.36	7.86E+06	1.06 Y	1.15	1.28	10.8%	
PCB-35 33'4'-TrCB	22.75	7.84E+06	1.06 Y	1.13	1.28	12.4%	
PCB-37 344'-TrCB	23.10	8.04E+06	1.05 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.34	5.18E+06	0.78 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'-TeCB	19.22	9.25E+06	0.77 Y	0.83	0.80	-4.0%	
PCB-45 22'36'-TeCB	19.76	3.95E+06	0.77 Y	0.71	0.68	-3.4%	
PCB-51 22'46'-TeCB	19.84	4.67E+06	0.81 Y	0.88	0.81	-8.2%	
PCB-46 22'36'-TeCB	20.02	3.80E+06	0.77 Y	0.69	0.66	-5.4%	
PCB-52 22'55'-TeCB	21.25	4.25E+06	0.75 Y	0.80	0.73	-8.4%	
PCB-73 23'5'6TeCB	21.38	5.59E+06	0.77 Y	1.03	0.97	-6.4%	

Lab ID: - Ax2 Detail		Processed: 11-Jul-2012 10:34					
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.45	3.87E+06	0.79 Y	0.71	0.67	-5.4%	
PCB-69/49 23'46'-/22'45'TeCB	21.65	1.04E+07	0.79 Y	0.96	0.90	-5.9%	
PCB-48 22'45'-TeCB	21.91	4.29E+06	0.78 Y	0.84	0.74	-11.3%	
PCB-44/47/65 22'35'-/22'44'-	22.12	1.39E+07	0.79 Y	0.86	0.80	-6.5%	
PCB-59/62/75 233'6-/2346-/24	22.38	1.75E+07	0.77 Y	1.09	1.01	-7.6%	
PCB-42 22'34'-TeCB	22.53	4.09E+06	0.77 Y	0.77	0.71	-7.7%	
PCB-41 22'34'-TeCB	22.84	3.58E+06	0.79 Y	0.73	0.62	-14.7%	
PCB-71/40 23'46'/22'33'-TeCB	22.94	8.88E+06	0.80 Y	0.81	0.77	-5.8%	
PCB-64 234'6'-TeCB	23.14	6.21E+06	0.76 Y	1.17	1.07	-8.0%	
PCB-72 23'55'-TeCB	23.88	7.40E+06	0.78 Y	1.25	1.28	2.1%	
PCB-68 23'45'-TeCB	24.12	7.71E+06	0.76 Y	1.36	1.33	-2.3%	
PCB-57 233'5'-TeCB	24.47	6.93E+06	0.76 Y	1.22	1.20	-2.2%	
PCB-58 233'5'-TeCB	24.66	6.92E+06	0.78 Y	1.26	1.20	-4.8%	
PCB-67 23'45'-TeCB	24.81	7.10E+06	0.76 Y	1.27	1.23	-3.8%	
PCB-63 234'5'-TeCB	25.03	7.63E+06	0.78 Y	1.34	1.32	-1.3%	
PCB-61/70/74/76 2345-/23'4'5	25.31	2.85E+07	0.77 Y	1.24	1.23	-0.9%	
PCB-66 23'44'-TeCB	25.58	6.69E+06	0.78 Y	1.19	1.16	-2.7%	
PCB-55 233'4'-TeCB	25.71	6.80E+06	0.77 Y	1.22	1.17	-3.6%	
PCB-56 233'4'-TeCB	26.14	6.65E+06	0.77 Y	1.18	1.15	-2.6%	
PCB-60 2344'-TeCB	26.32	7.00E+06	0.77 Y	1.24	1.21	-2.4%	
PCB-80 33'55'-TeCB	26.70	7.76E+06	0.77 Y	1.37	1.34	-2.3%	
PCB-79 33'45'-TeCB	27.98	7.28E+06	0.77 Y	1.37	1.26	-8.2%	
PCB-78 33'45'-TeCB	28.44	6.01E+06	0.77 Y	1.19	1.04	-13.0%	
PCB-104 22'466'-PeCB	22.05	4.75E+06	0.62 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.34	4.04E+06	0.64 Y	0.81	0.93	15.0%	
PCB-103 22'45'6'-PeCB	24.02	3.74E+06	0.61 Y	0.78	0.86	11.4%	
PCB-94 22'356'-PeCB	24.19	3.28E+06	0.62 Y	0.71	0.76	6.1%	
PCB-95 22'35'6'-PeCB	24.56	3.59E+06	0.61 Y	0.74	0.83	11.6%	
PCB-100/93 22'44'6-/22'356-P	24.76	7.19E+06	0.59 Y	0.75	0.83	11.1%	
PCB-102 22'456'-PeCB	24.87	4.23E+06	0.60 Y	0.75	0.98	30.4%	
PCB-98 22'3'46'-PeCB	24.94	3.11E+06	0.62 Y	0.71	0.72	1.0%	
PCB-88 22'346'-PeCB	25.22	3.19E+06	0.60 Y	0.66	0.74	10.9%	
PCB-91 22'34'6'-PeCB	25.29	3.92E+06	0.60 Y	0.84	0.90	7.9%	
PCB-84 22'33'6'-PeCB	25.46	3.06E+06	0.62 Y	0.65	0.71	8.5%	
PCB-89 22'346'-PeCB	25.87	3.20E+06	0.61 Y	0.69	0.74	7.6%	
PCB-121 23'45'6'-PeCB	26.27	4.62E+06	0.60 Y	0.98	1.07	8.4%	
PCB-92 22'355'-PeCB	26.57	3.23E+06	0.61 Y	0.72	0.74	4.1%	
PCB-113/90/101 233'5'6-/22'3	27.03	1.14E+07	0.60 Y	0.81	0.88	8.4%	
PCB-83 22'33'5'-PeCB	27.44	2.79E+06	0.60 Y	0.62	0.64	3.5%	

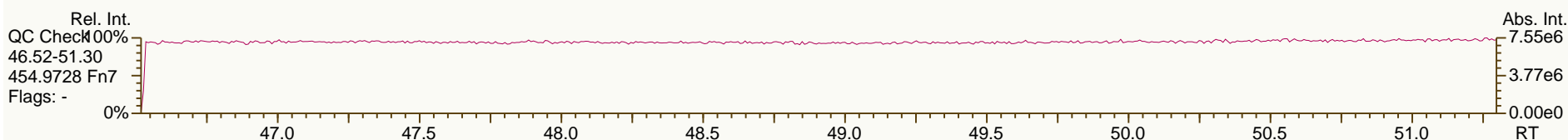
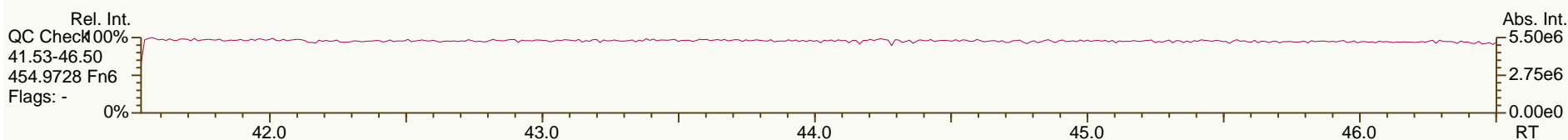
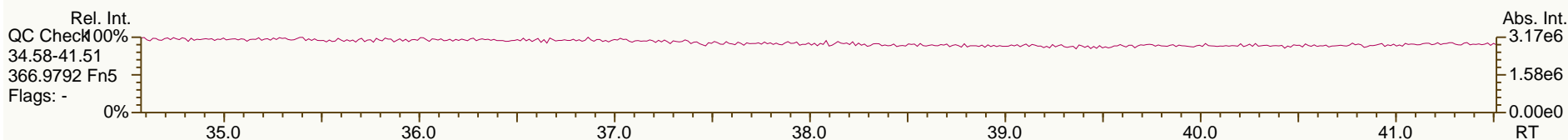
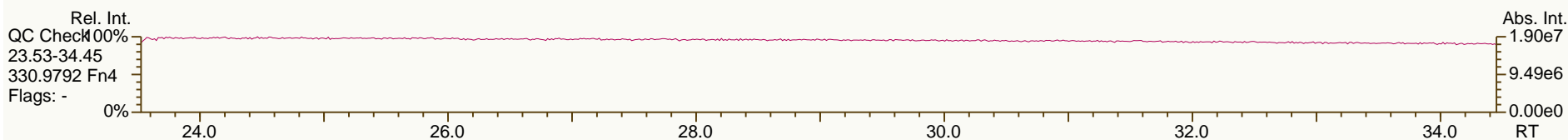
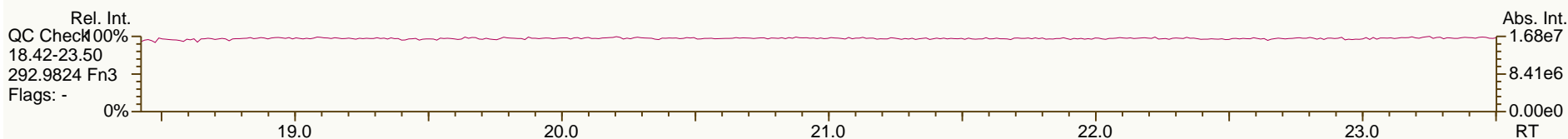
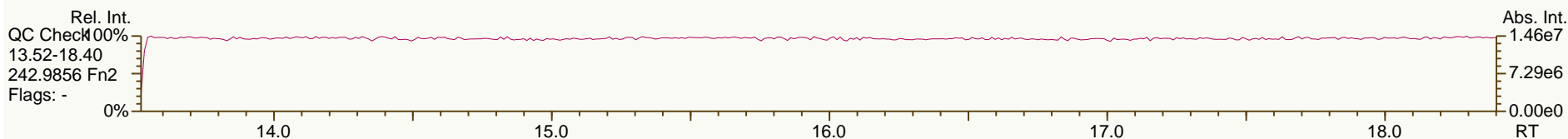
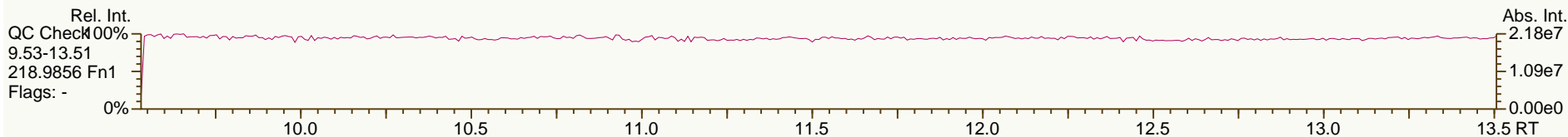
Lab ID: - Ax2 Detail		Processed: 11-Jul-2012 10:34					
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.55	3.38E+06	0.59 Y	0.76	0.78	2.0%	
PCB-112 233'56-PeCB	27.64	4.48E+06	0.59 Y	0.96	1.03	7.3%	
PCB-109/119/86/97/125...-PeCB	27.98	2.34E+07	0.61 Y	0.83	0.90	8.9%	
PCB-117 234'56-PeCB	28.49	3.10E+06	0.59 Y	0.94	0.71	-24.0%	
PCB-116/85 23456-/22'344'-Pe	28.56	8.67E+06	0.60 Y	0.81	1.00	23.7%	
PCB-110 233'46-PeCB	28.70	4.31E+06	0.59 Y	0.92	0.99	8.0%	
PCB-115 2344'6-PeCB	28.78	4.35E+06	0.60 Y	0.95	1.00	5.9%	
PCB-82 22'33'4-PeCB	28.96	2.80E+06	0.59 Y	0.62	0.65	4.9%	
PCB-111 233'55'-PeCB	29.34	4.50E+06	0.61 Y	0.98	1.04	5.4%	
PCB-120 23'455'-PeCB	29.73	4.51E+06	0.60 Y	0.99	1.04	4.8%	
PCB-108/124 ...-PeCB	30.66	8.32E+06	0.61 Y	0.92	0.96	4.3%	
PCB-107 233'45-PeCB	30.87	4.24E+06	0.59 Y	1.00	0.98	-1.6%	
PCB-106 233'45-PeCB	31.06	4.05E+06	0.61 Y	0.96	0.94	-2.8%	
PCB-122 2'33'45-PeCB	31.52	3.85E+06	0.61 Y	0.93	0.97	4.3%	
PCB-127 33'455'-PeCB	33.49	3.79E+06	0.59 Y	1.04	0.94	-9.4%	
PCB-155 22'44'66'-HxCB	26.88	5.16E+06	1.31 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	27.01	4.67E+06	1.28 Y	0.98	0.99	1.3%	
PCB-150 22'34'66'-HxCB	27.16	4.79E+06	1.25 Y	0.99	1.02	3.4%	
PCB-136 22'33'66'-HxCB	27.44	4.33E+06	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	27.71	4.47E+06	1.26 Y	0.94	0.95	1.4%	
PCB-148 22'34'56'-HxCB	29.01	3.39E+06	1.32 Y	0.73	0.72	-1.7%	
PCB-151/135 22'355'6-/22'33'	29.51	6.57E+06	1.30 Y	0.71	0.70	-1.5%	
PCB-154 22'44'5'6-HxCB	29.73	3.67E+06	1.29 Y	0.78	0.78	-0.5%	
PCB-144 22'345'6-HxCB	29.97	3.28E+06	1.30 Y	0.72	0.70	-2.8%	
PCB-147/149 22'34'56-/22'34'	30.27	6.74E+06	1.26 Y	0.72	0.72	-0.9%	
PCB-134 22'33'56-HxCB	30.42	2.75E+06	1.31 Y	0.61	0.59	-3.5%	
PCB-143 22'3456'-HxCB	30.51	3.12E+06	1.37 Y	0.69	0.66	-4.2%	
PCB-139/140 22'344'6-/22'344'	30.77	6.87E+06	1.31 Y	0.73	0.73	-0.4%	
PCB-131 22'33'46-HxCB	30.93	2.86E+06	1.30 Y	0.65	0.61	-5.8%	
PCB-142 22'3456-HxCB	31.06	2.90E+06	1.29 Y	0.67	0.62	-8.2%	
PCB-132 22'33'46'-HxCB	31.31	3.00E+06	1.33 Y	0.68	0.64	-5.9%	
PCB-133 22'33'55'-HxCB	31.77	3.01E+06	1.28 Y	0.69	0.64	-7.0%	
PCB-165 233'55'6-HxCB	32.10	3.69E+06	1.30 Y	0.82	0.79	-4.6%	
PCB-146 22'34'55'-HxCB	32.31	3.18E+06	1.27 Y	0.73	0.68	-7.4%	
PCB-161 233'45'6-HxCB	32.42	4.12E+06	1.33 Y	0.93	0.88	-5.5%	
PCB-153/168 22'44'55'-/23'44'	32.85	7.84E+06	1.26 Y	0.89	0.83	-6.1%	
PCB-141 22'3455'-HxCB	32.98	3.05E+06	1.32 Y	0.71	0.65	-8.1%	
PCB-130 22'33'45'-HxCB	33.31	2.73E+06	1.32 Y	0.64	0.58	-8.7%	
PCB-137 22'344'5-HxCB	33.50	3.10E+06	1.30 Y	0.78	0.66	-15.1%	
PCB-164 233'4'5'6-HxCB	33.59	4.17E+06	1.30 Y	0.88	0.89	0.9%	
PCB-163/138/129 233'4'56-/22'	33.87	1.01E+07	1.27 Y	0.76	0.72	-6.1%	

Lab ID: - Ax2 Detail				Processed: 11-Jul-2012 10:34			
Lab ID:	CS3_120705_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 11:33						
Datafile:	120705S01						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	34.00	4.02E+06	1.30 Y	0.88	0.86	-3.3%	
PCB-158 233'44'6-HxCB	34.19	4.39E+06	1.25 Y	0.96	0.93	-3.0%	
PCB-128/166 22'33'44'-/2344'5	34.90	7.31E+06	1.26 Y	0.86	0.99	14.5%	
PCB-159 233'455'-HxCB	35.77	3.89E+06	1.25 Y	1.03	1.05	2.5%	
PCB-162 233'4'55'-HxCB	36.00	4.14E+06	1.26 Y	1.04	1.12	7.9%	
PCB-188 22'34'566'-HpCB	31.69	3.65E+06	1.04 Y	1.07	-	-	
PCB-179 22'33'566'-HpCB	31.95	3.41E+06	1.04 Y	0.98	1.04	5.8%	
PCB-184 22'344'66'-HpCB	32.42	3.31E+06	1.07 Y	0.97	1.00	3.3%	
PCB-176 22'33'466'-HpCB	32.69	3.67E+06	1.14 Y	1.06	1.11	4.5%	
PCB-186 22'34566'-HpCB	33.07	3.45E+06	1.10 Y	1.02	1.05	2.9%	
PCB-178 22'33'55'6-HpCB	34.25	2.64E+06	1.10 Y	0.77	0.80	3.7%	
PCB-175 22'33'45'6-HpCB	34.79	3.19E+06	1.06 Y	0.70	0.97	38.1%	
PCB-187 22'34'55'6-HpCB	35.02	3.40E+06	1.02 Y	0.73	1.03	40.7%	
PCB-182 22'344'56'-HpCB	35.19	3.38E+06	1.04 Y	0.74	1.02	37.7%	
PCB-183 22'344'5'6-HpCB	35.53	3.54E+06	1.05 Y	0.75	1.08	43.5%	
PCB-185 22'3455'6-HpCB	35.60	3.07E+06	1.04 Y	0.73	0.93	28.0%	
PCB-174 22'33'456'-HpCB	35.71	2.78E+06	1.03 Y	0.63	0.84	34.5%	
PCB-177 22'33'4'56-HpCB	36.08	2.75E+06	1.01 Y	0.64	0.83	30.6%	
PCB-181 22'344'56-HpCB	36.42	3.10E+06	1.01 Y	0.72	0.94	31.6%	
PCB-171/173 22'33'44'6-/22'3	36.60	5.55E+06	1.03 Y	0.64	0.84	32.2%	
PCB-172 22'33'455'-HpCB	37.99	2.74E+06	1.02 Y	0.69	0.61	-11.6%	
PCB-192 233'455'6-HpCB	38.23	3.57E+06	1.02 Y	0.91	0.79	-12.7%	
PCB-180/193 22'344'55'-/233'	38.51	6.73E+06	1.04 Y	0.84	0.75	-11.2%	
PCB-191 233'44'5'6-HpCB	38.83	3.60E+06	1.01 Y	0.94	0.80	-15.0%	
PCB-170 22'33'44'5-HpCB	39.58	2.57E+06	1.01 Y	0.70	0.57	-18.3%	
PCB-190 233'44'56-HpCB	40.03	3.52E+06	1.05 Y	0.94	0.78	-17.1%	
PCB-202 22'33'55'66'-OcCB	36.20	2.89E+06	0.94 Y	0.83	-	-	
PCB-201 22'33'45'66'-OcCB	36.98	3.27E+06	0.90 Y	0.93	0.99	6.7%	
PCB-204 22'344'566'-OcCB	37.55	3.05E+06	0.89 Y	0.89	0.92	3.5%	
PCB-197 22'33'44'66'-OcCB	37.74	3.55E+06	0.90 Y	0.91	1.07	17.5%	
PCB-200 22'33'4566'-OcCB	37.82	2.83E+06	0.89 Y	0.93	0.86	-7.8%	
PCB-198/199 22'33'455'6-/22'	40.17	4.59E+06	0.90 Y	0.68	0.69	1.6%	
PCB-196 22'33'44'56'-OcCB	40.74	2.32E+06	0.89 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6-OcCB	40.91	2.53E+06	0.88 Y	0.74	0.77	3.8%	
PCB-195 22'33'44'56-OcCB	42.01	2.36E+06	0.88 Y	0.81	0.67	-17.4%	
PCB-194 22'33'44'55'-OcCB	43.99	2.61E+06	0.90 Y	0.86	0.74	-13.4%	
PCB-205 233'44'55'6-OcCB	44.39	3.32E+06	0.90 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	41.82	3.03E+06	0.78 Y	0.98	-	-	
PCB-207 22'33'44'566'-NoCB	42.61	3.24E+06	0.76 Y	1.02	1.01	-0.1%	
PCB-206 22'33'44'55'6-NoCB	45.85	2.35E+06	0.77 Y	0.93	-	-	

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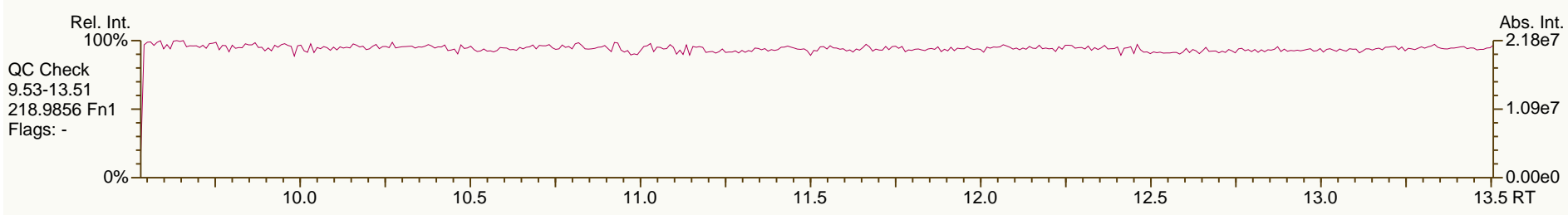
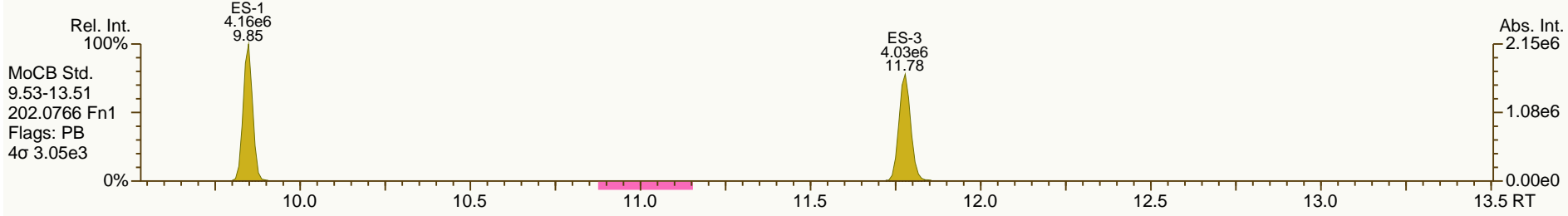
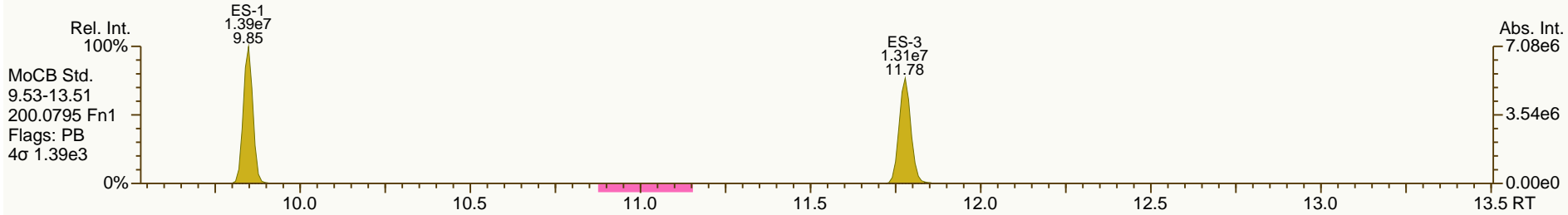
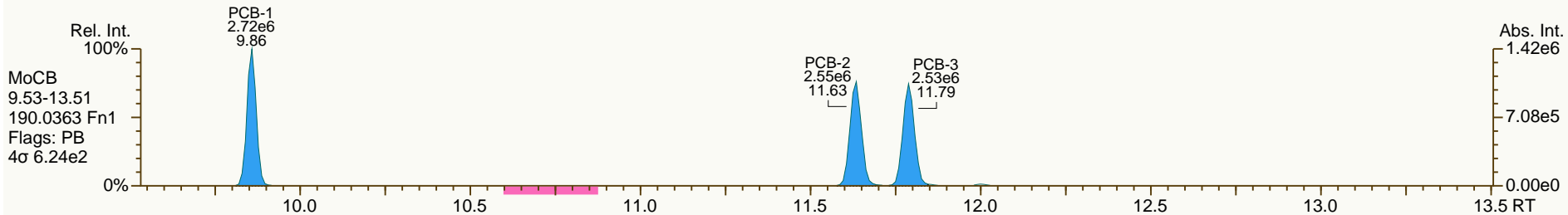
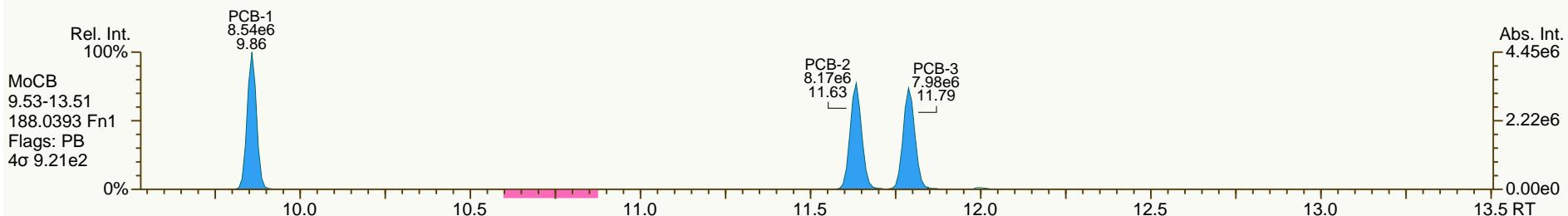
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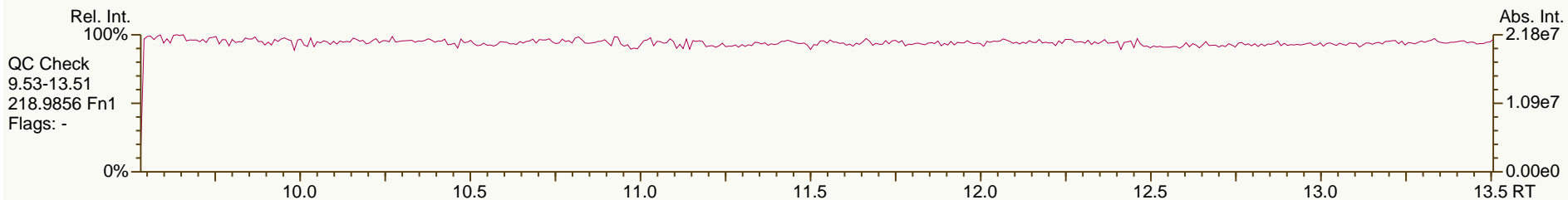
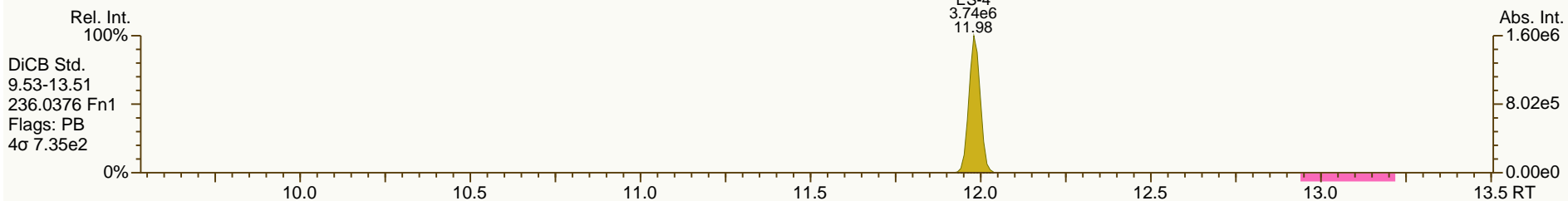
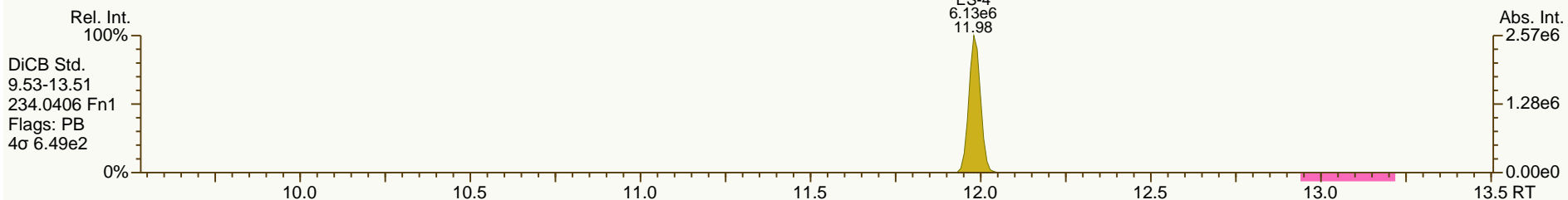
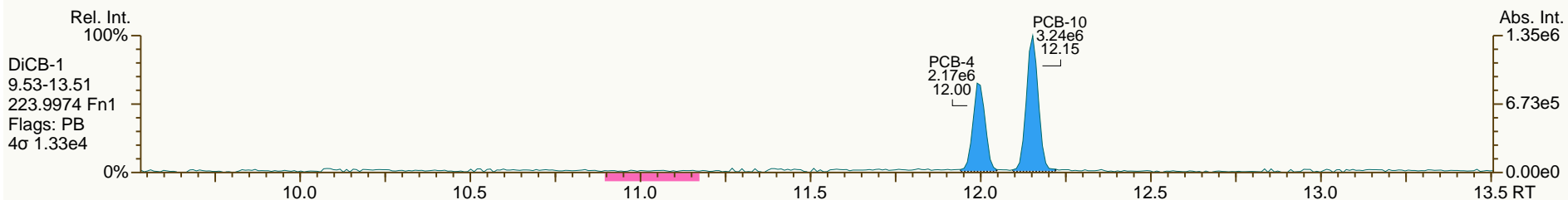
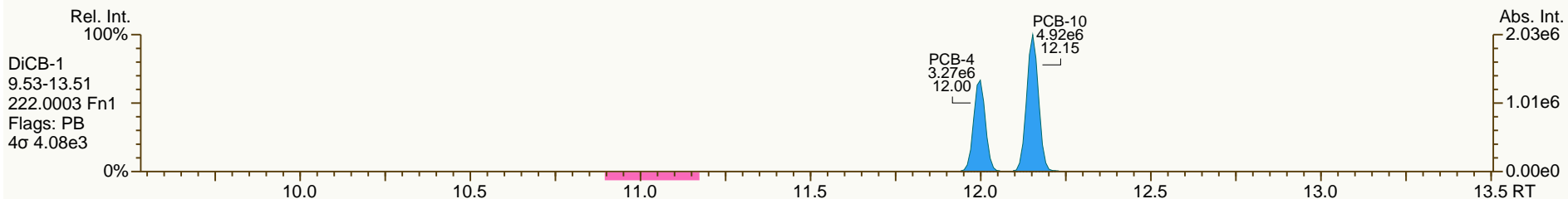
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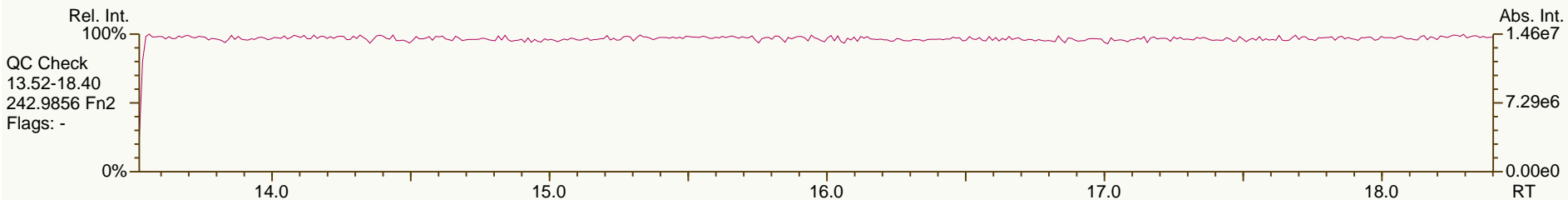
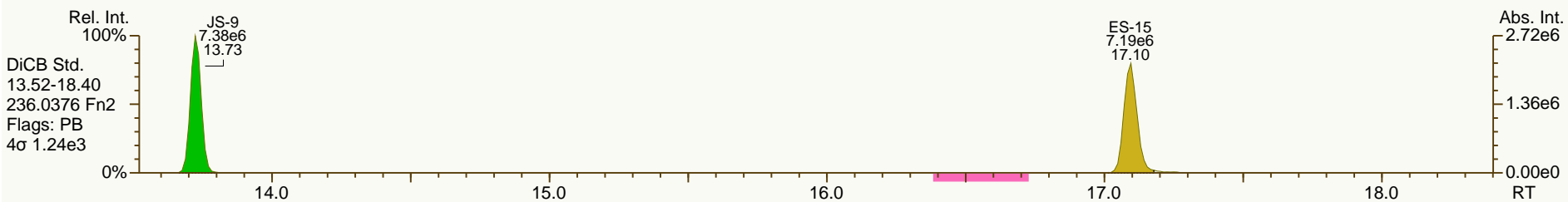
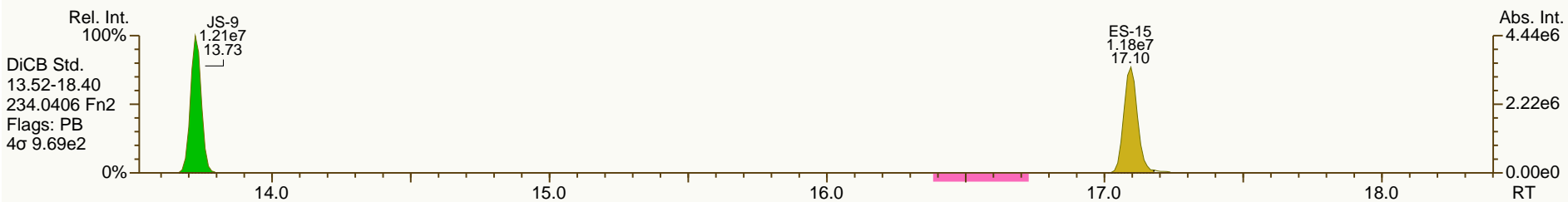
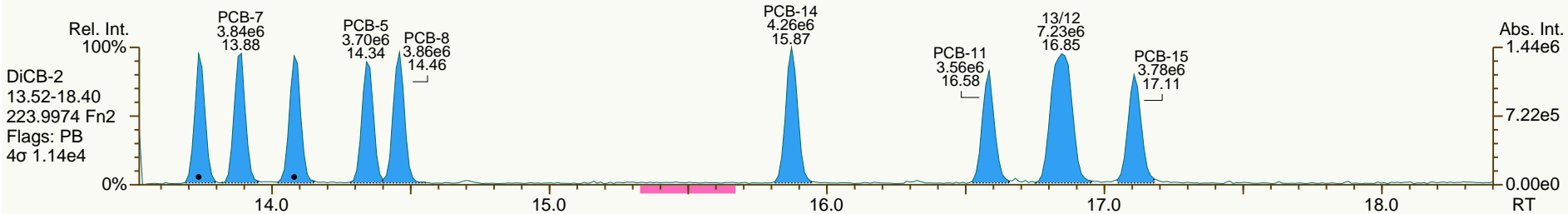
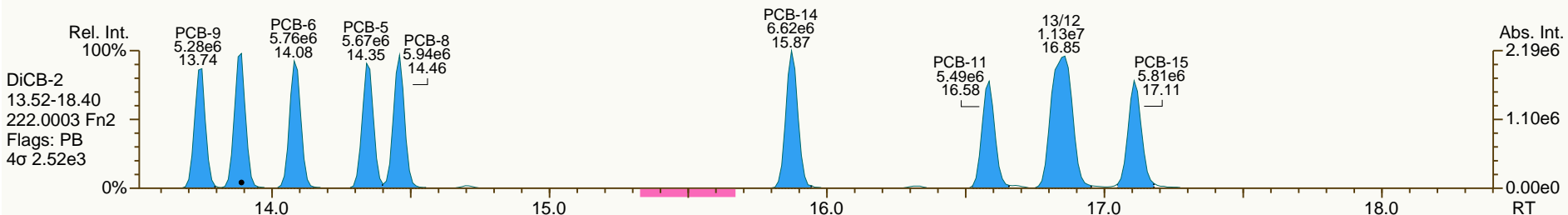
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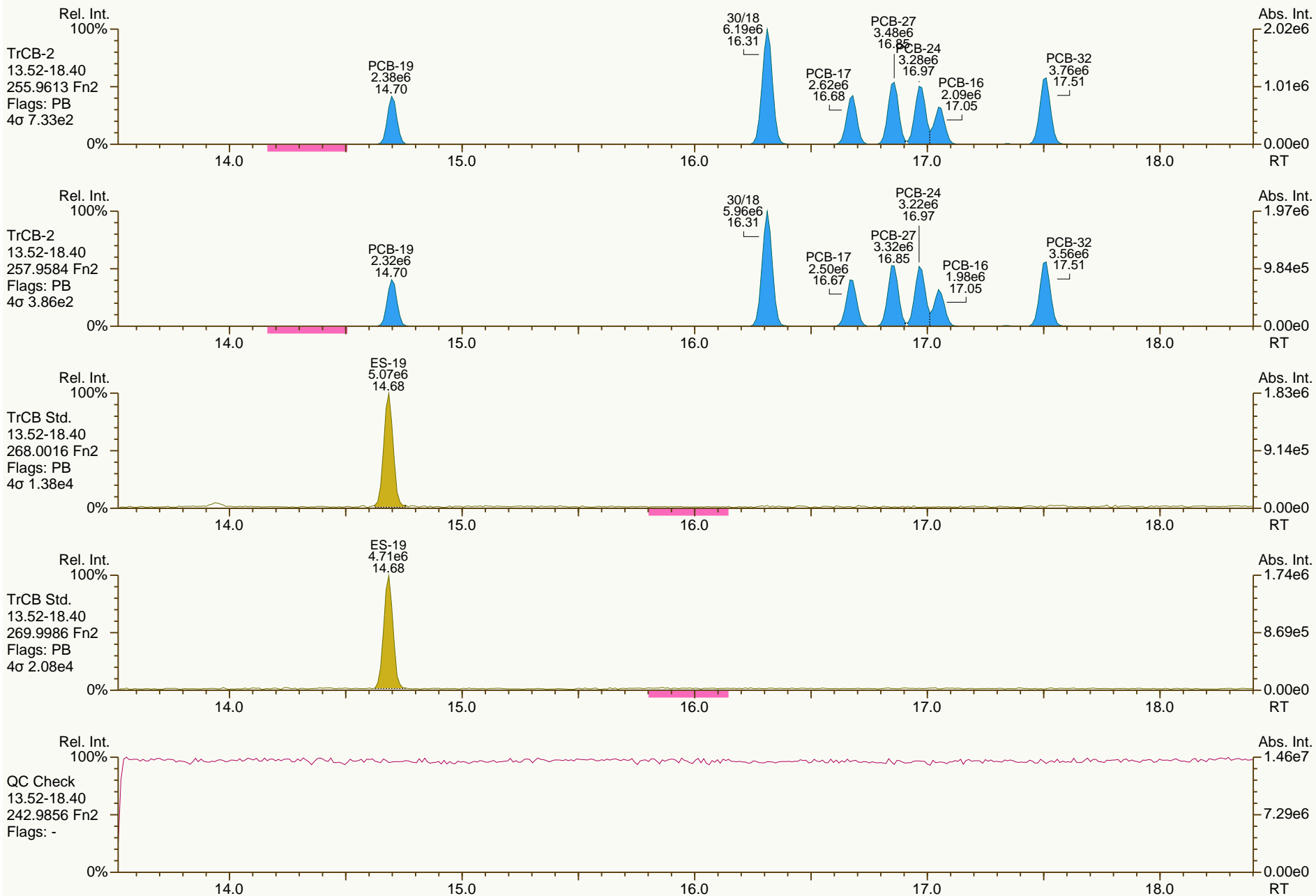
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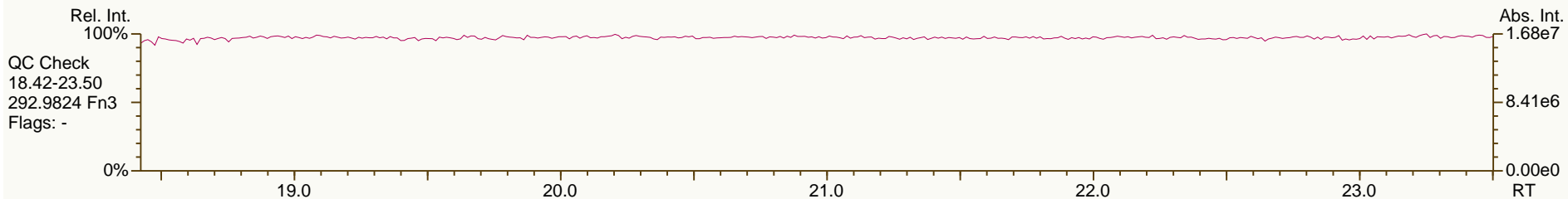
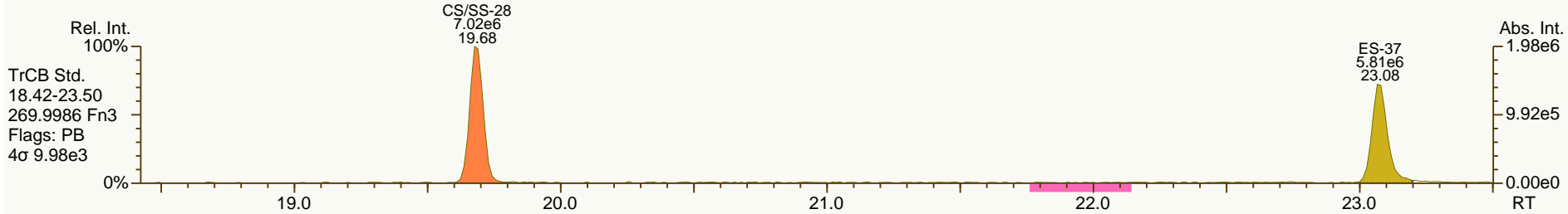
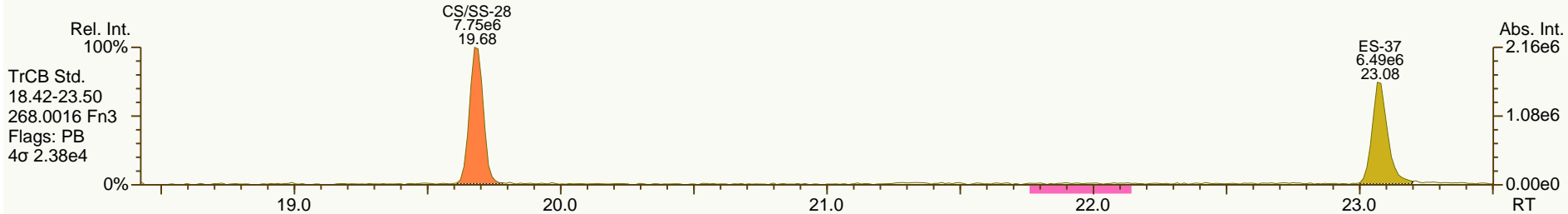
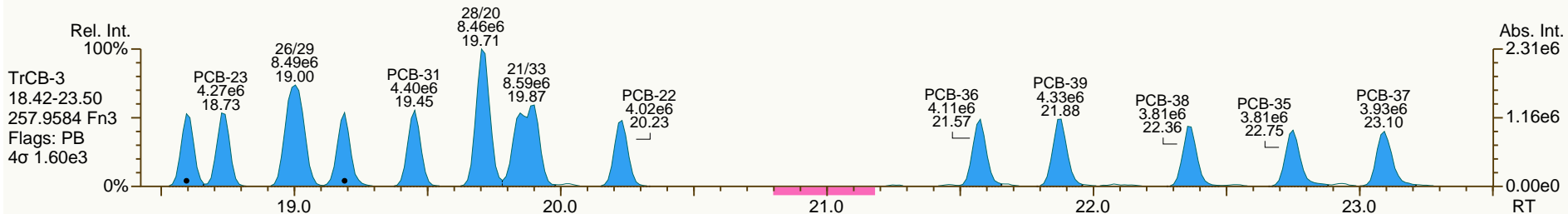
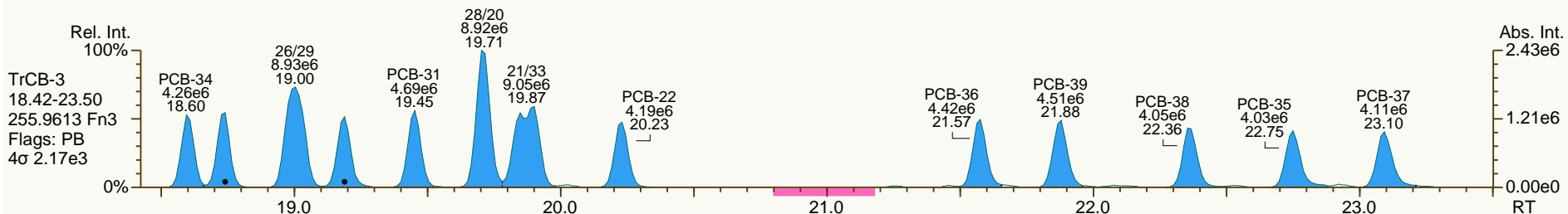
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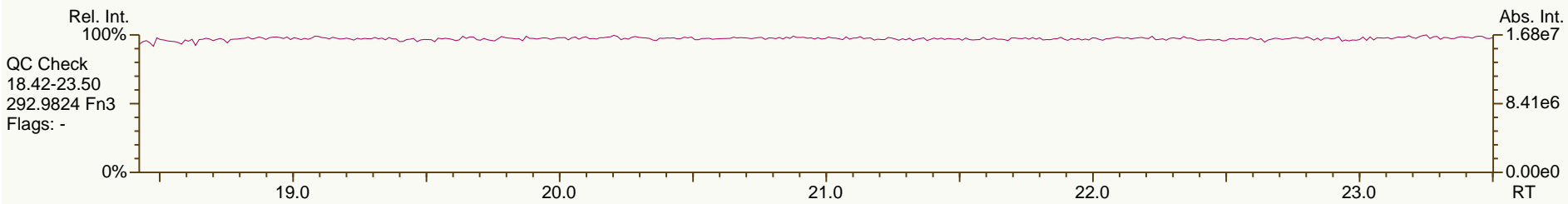
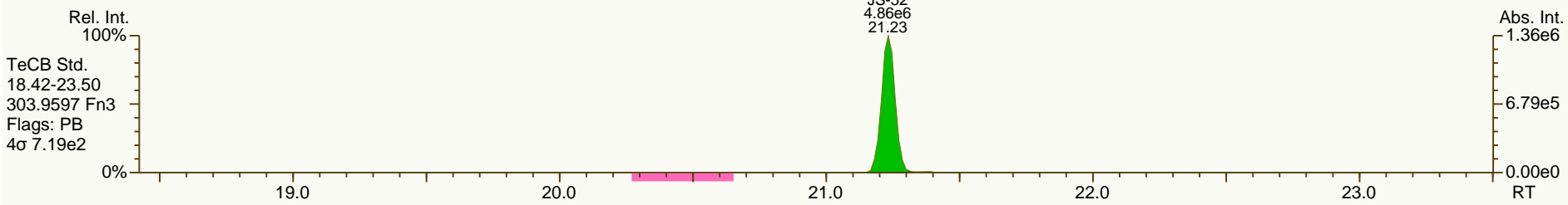
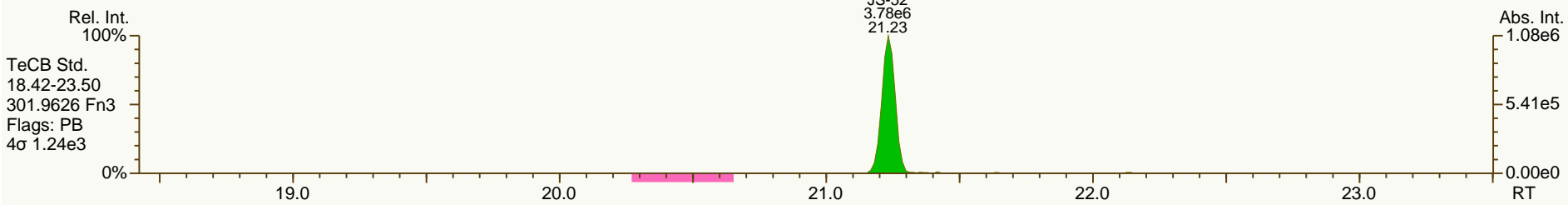
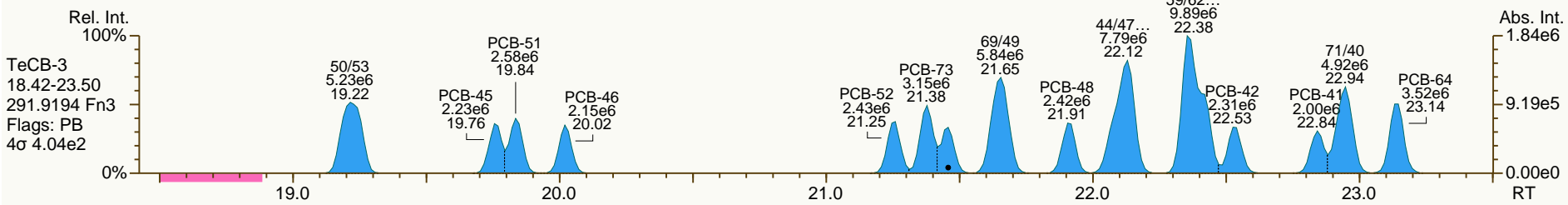
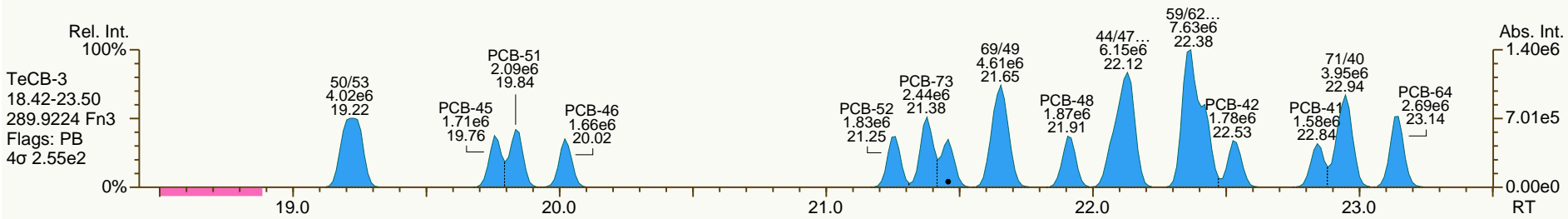
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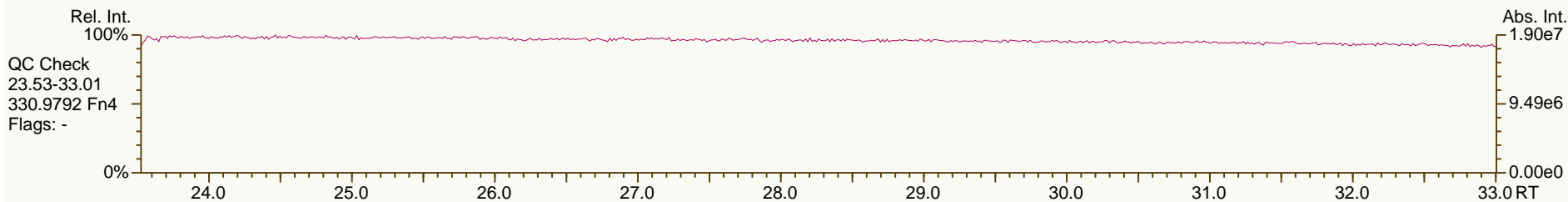
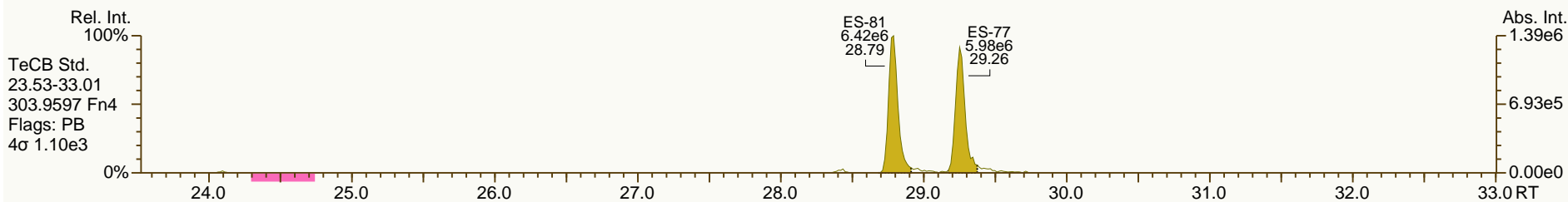
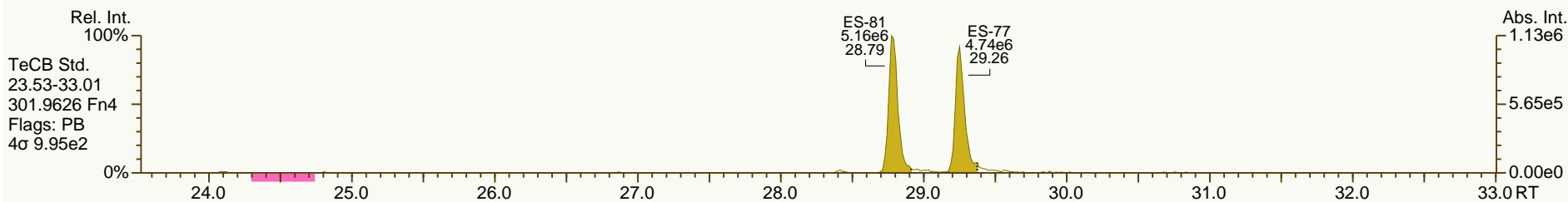
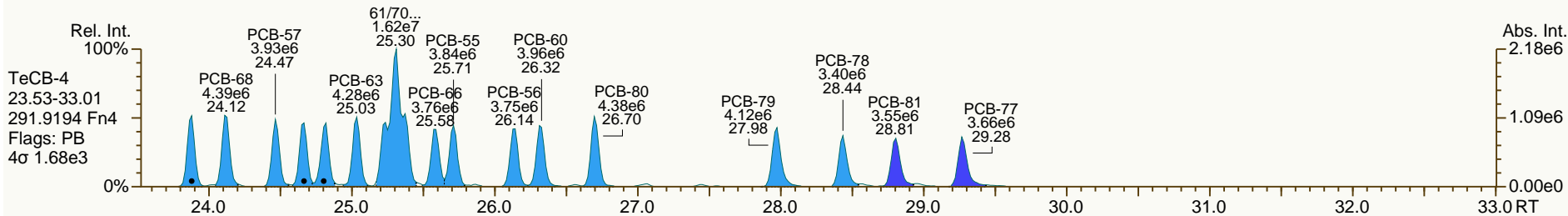
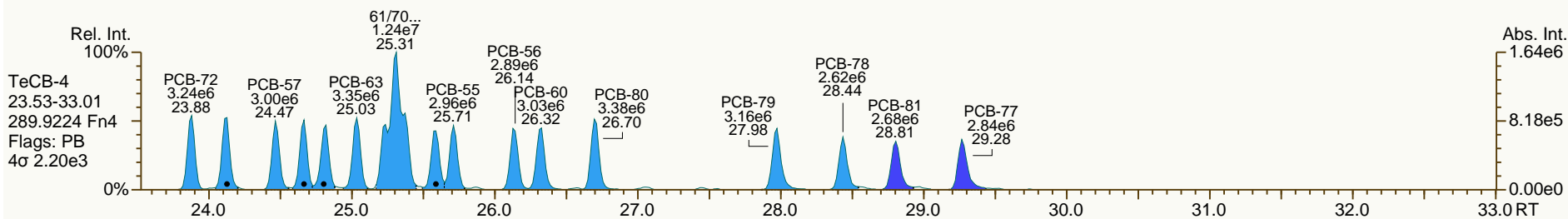
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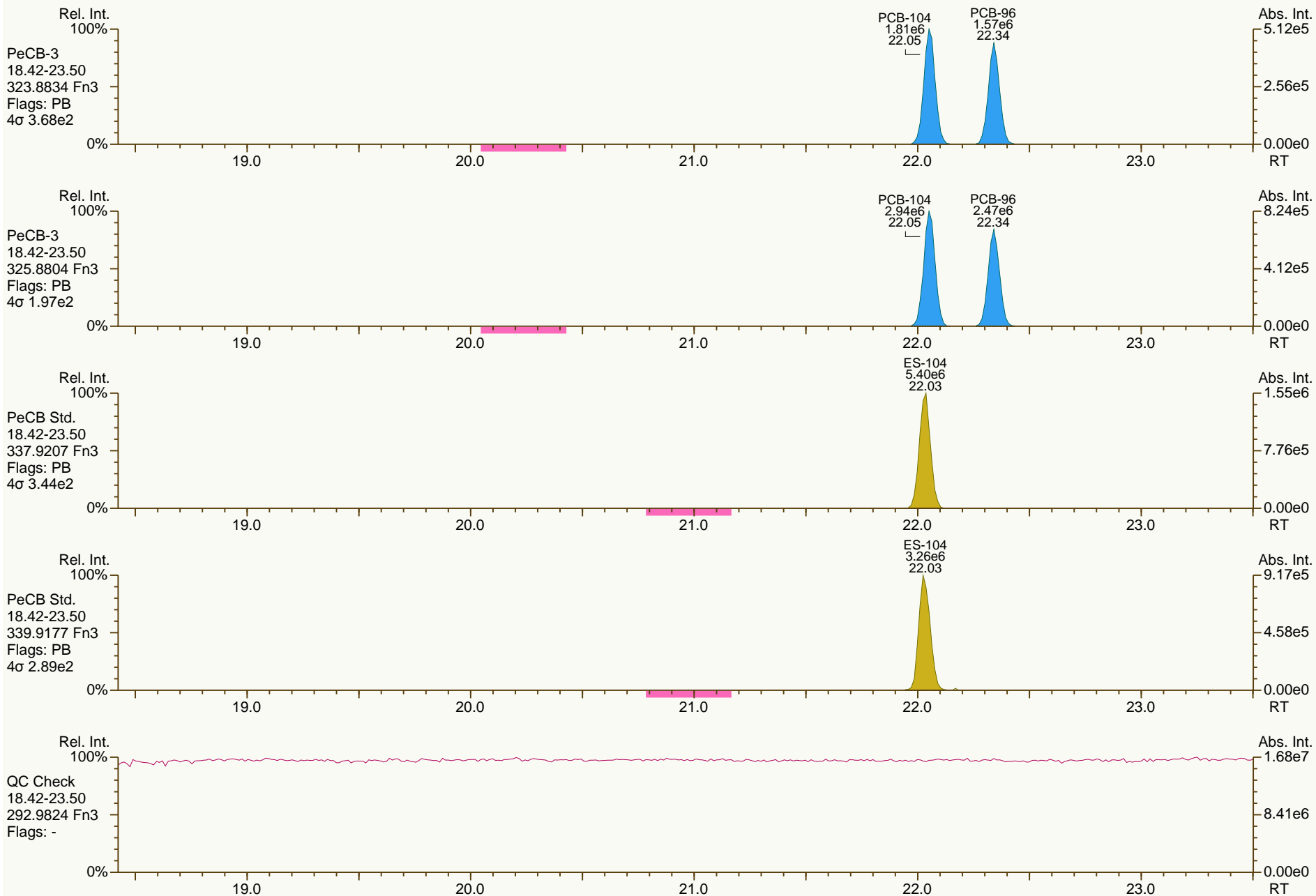
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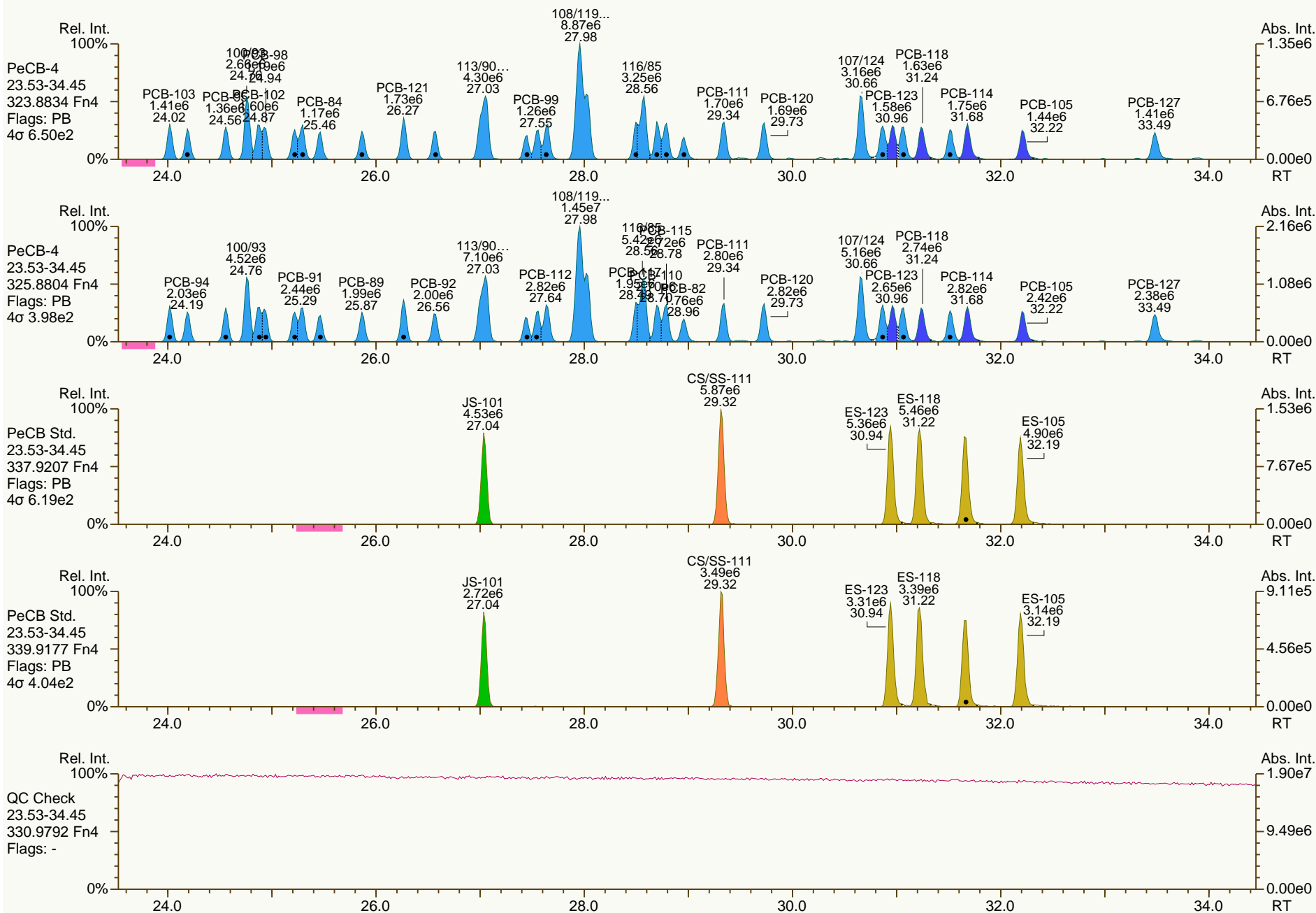
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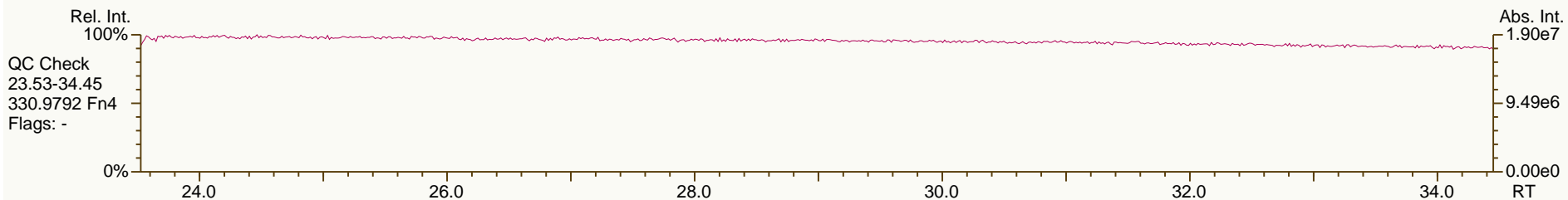
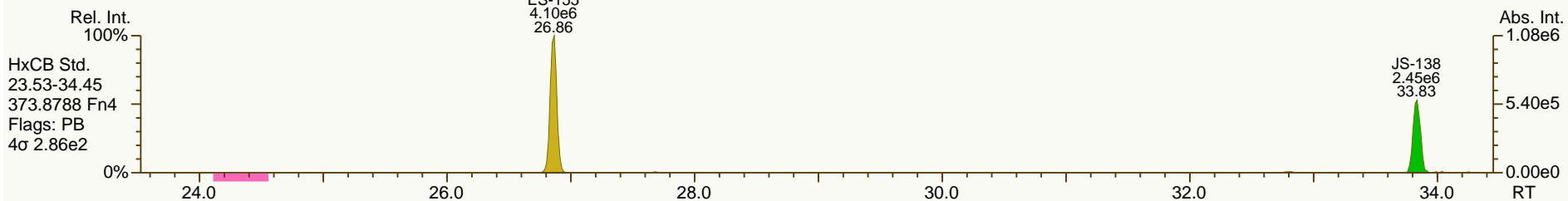
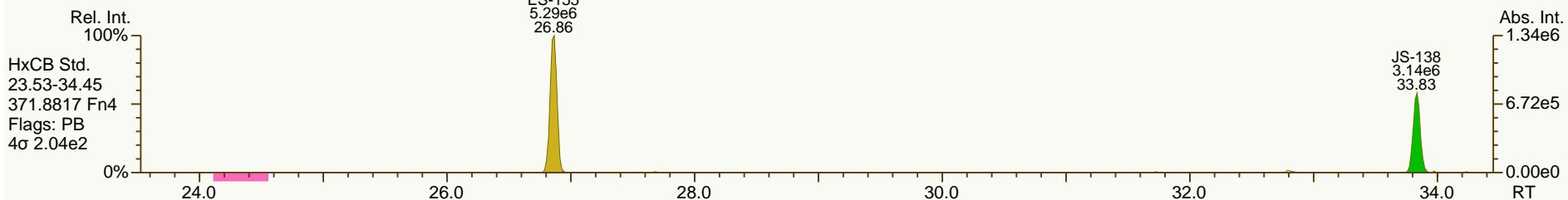
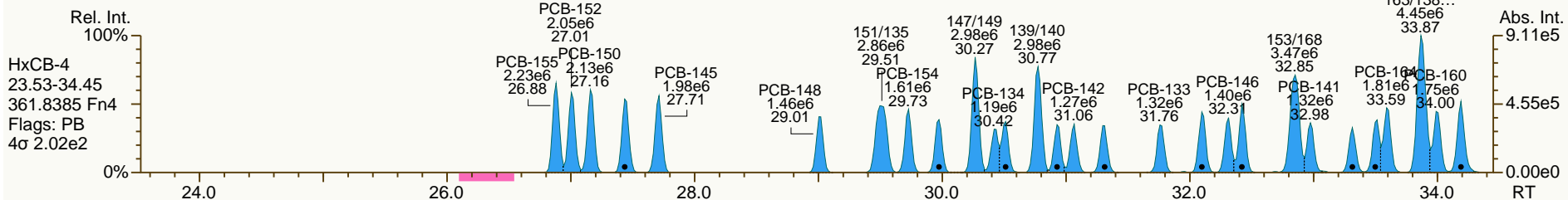
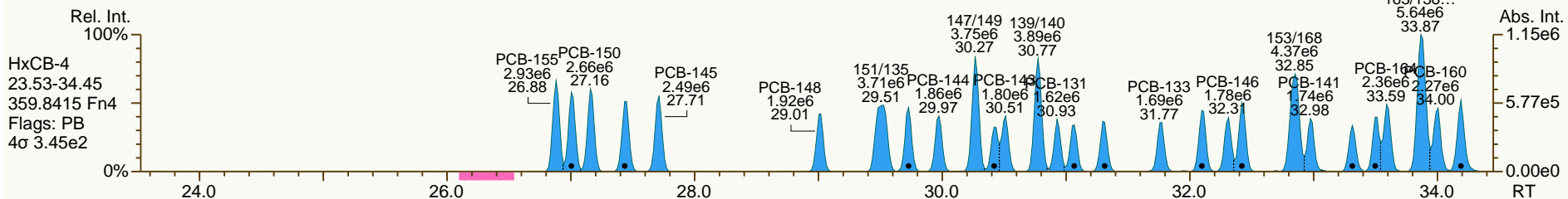
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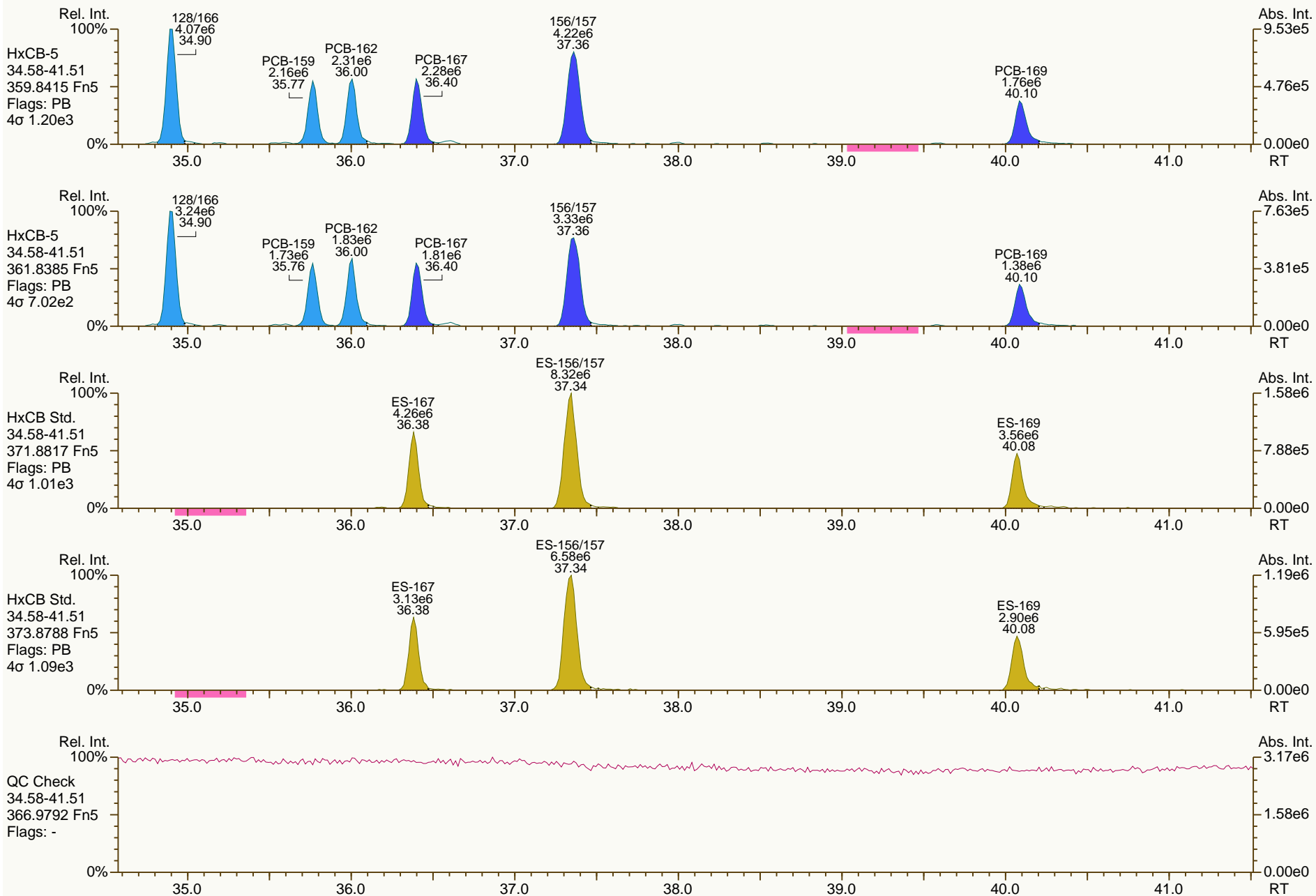
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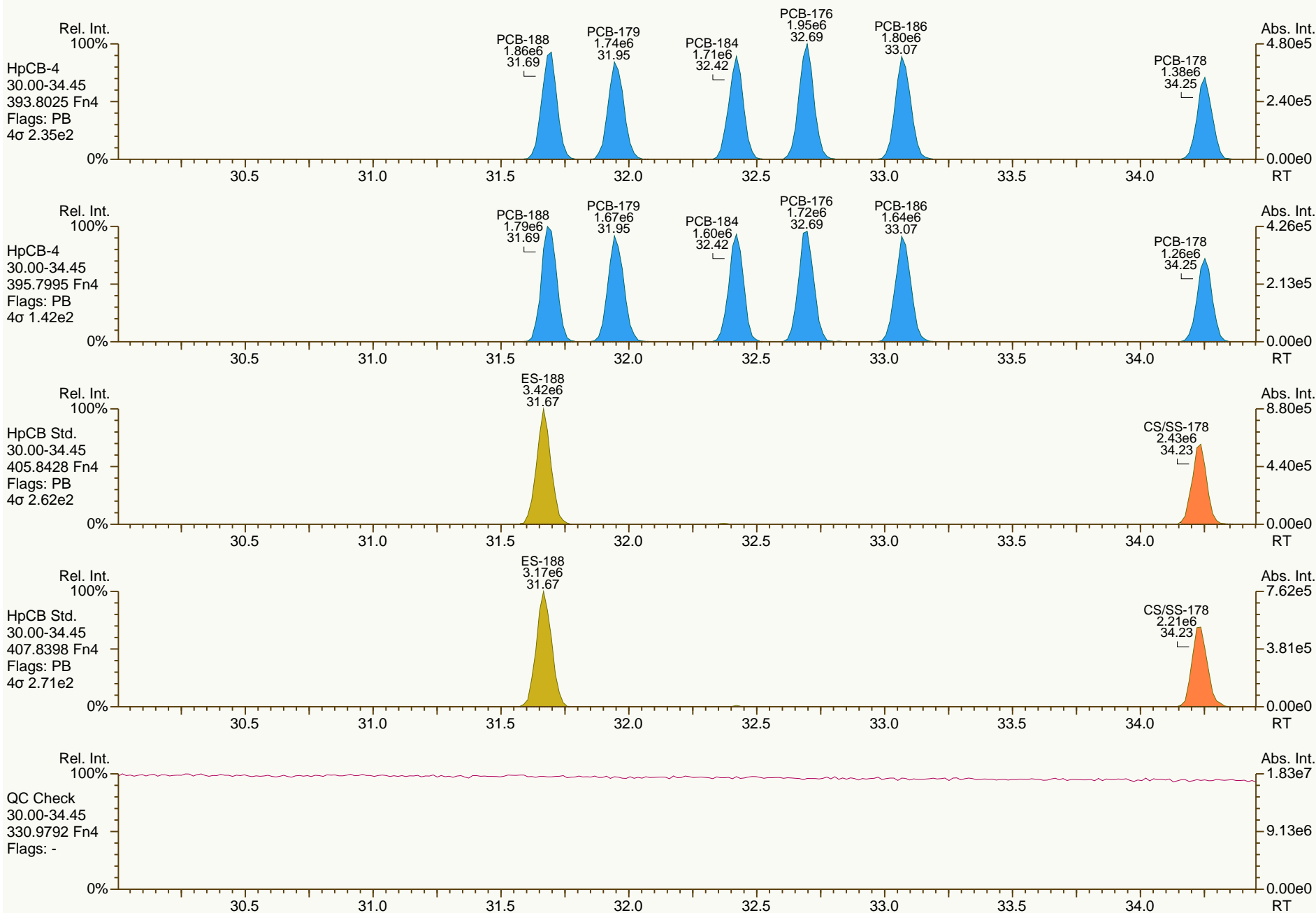
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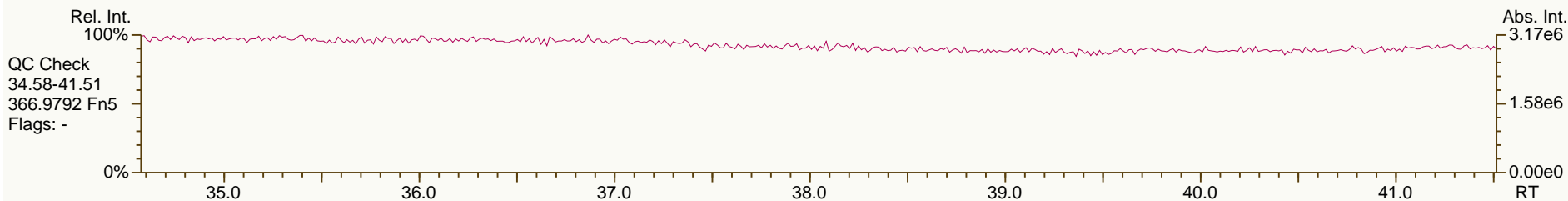
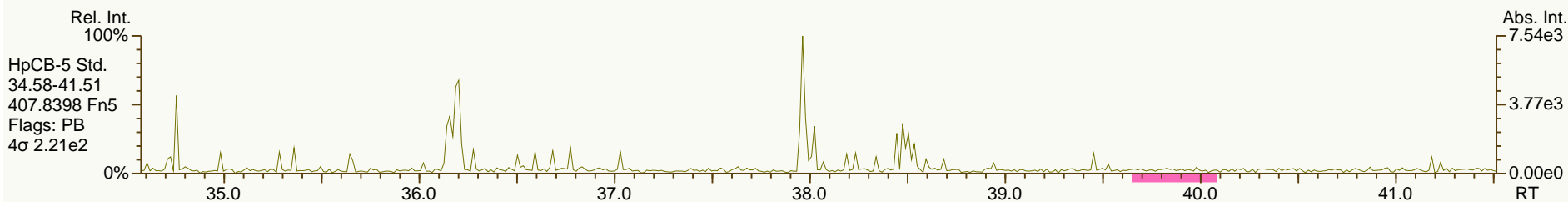
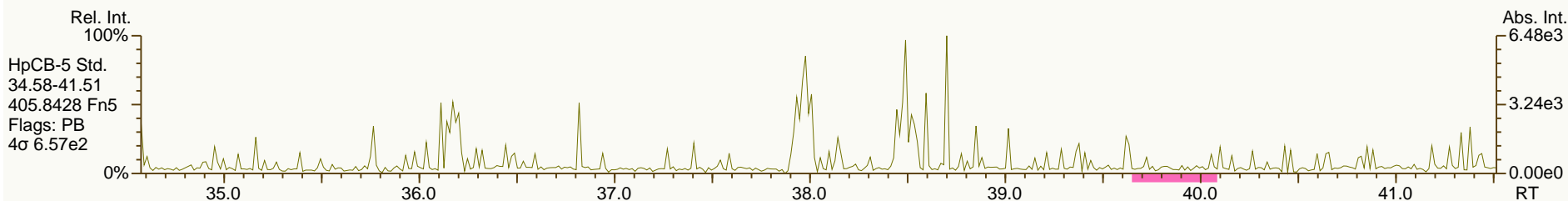
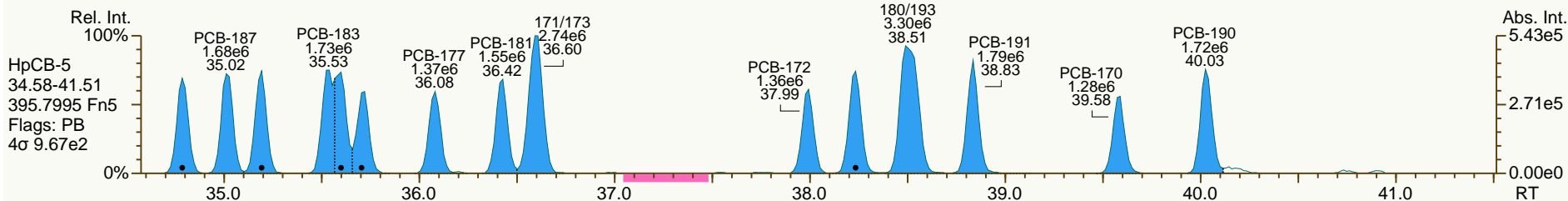
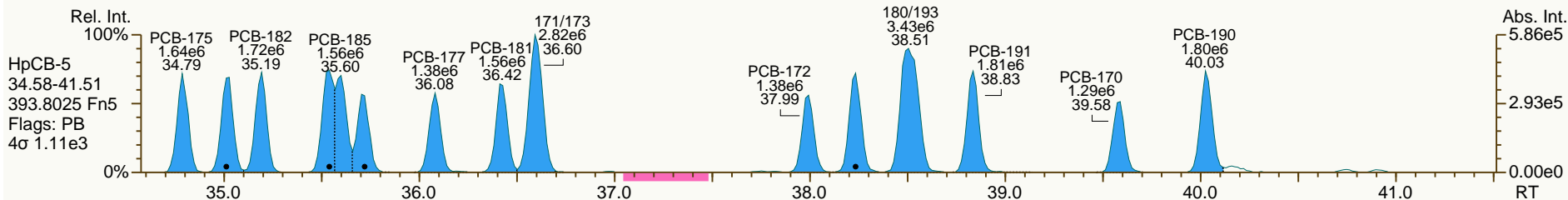
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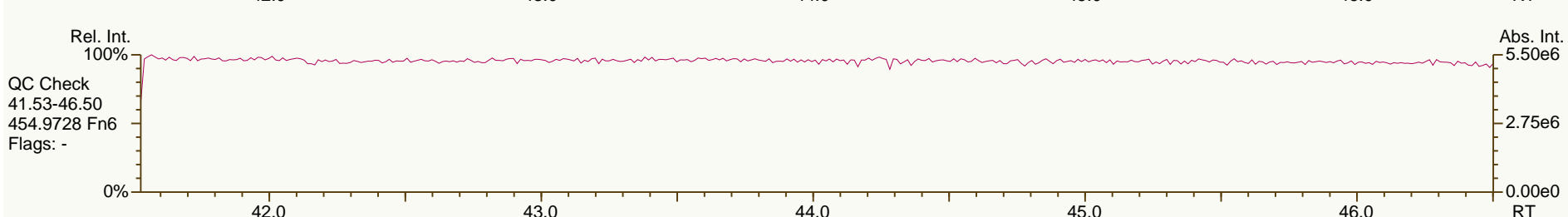
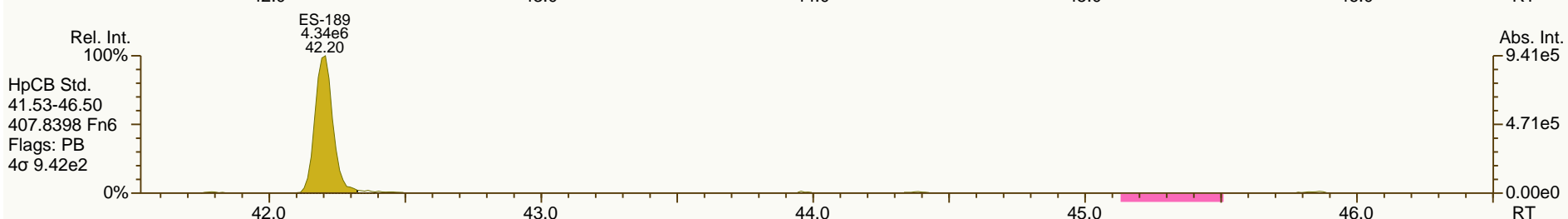
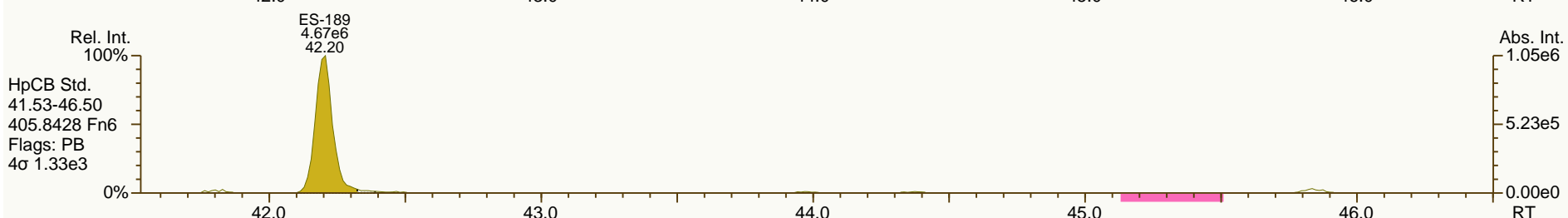
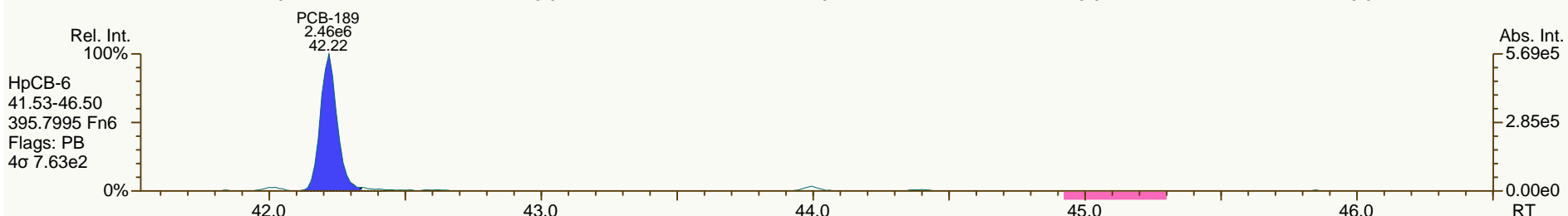
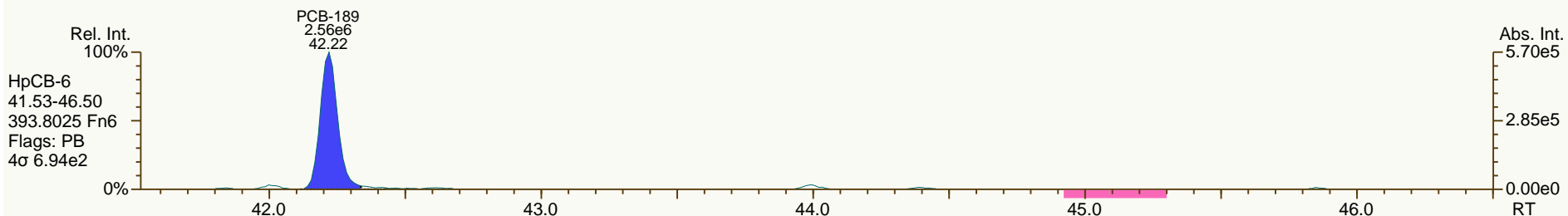
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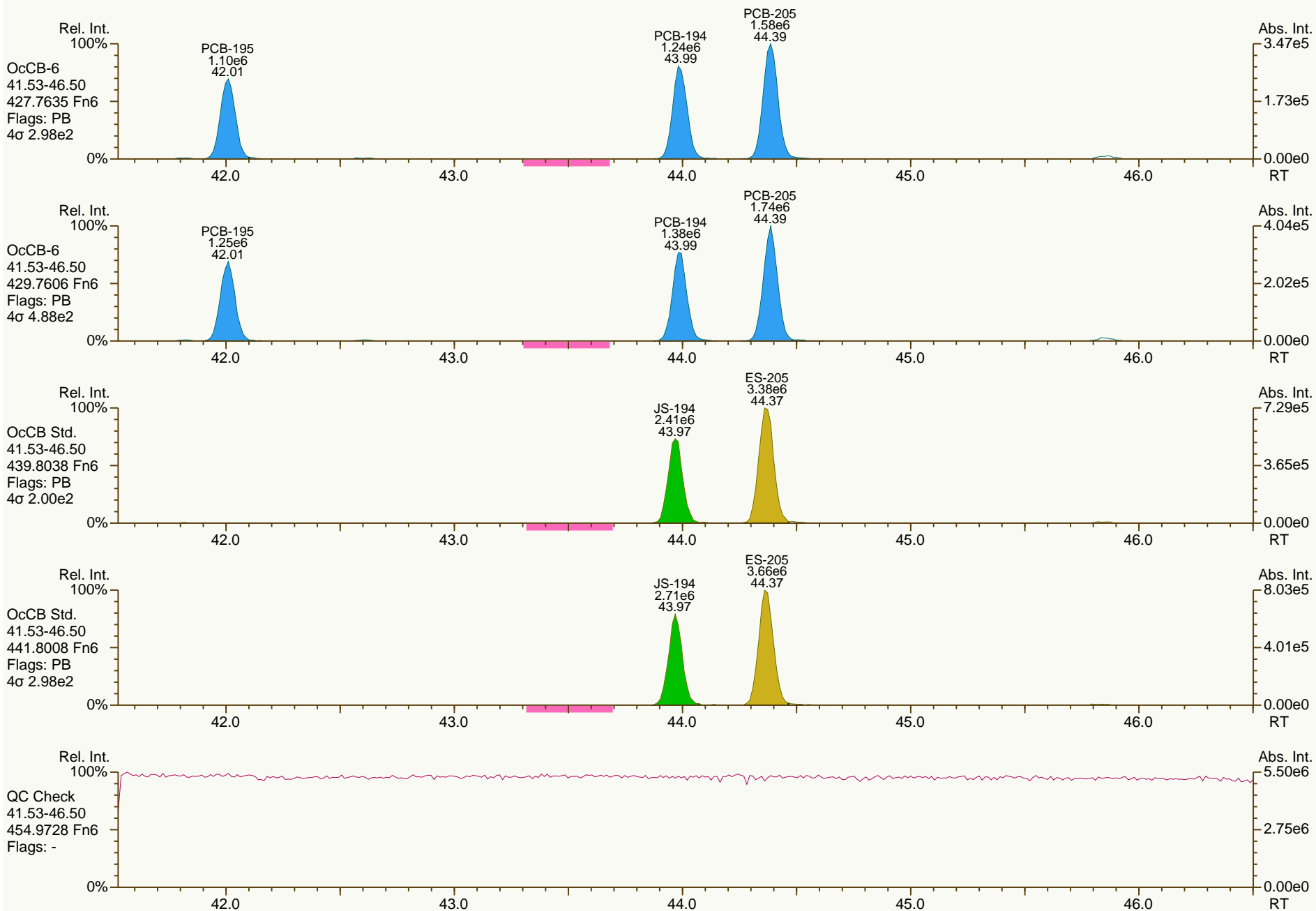
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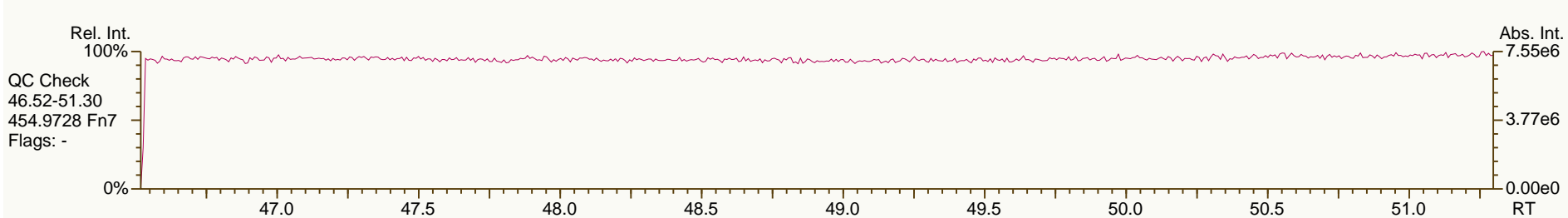
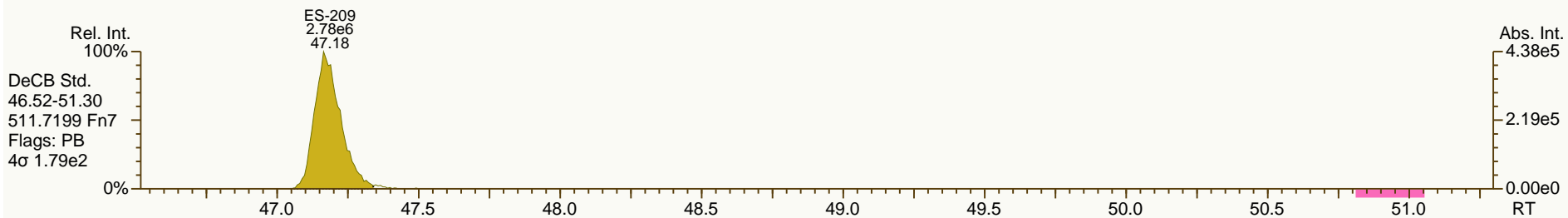
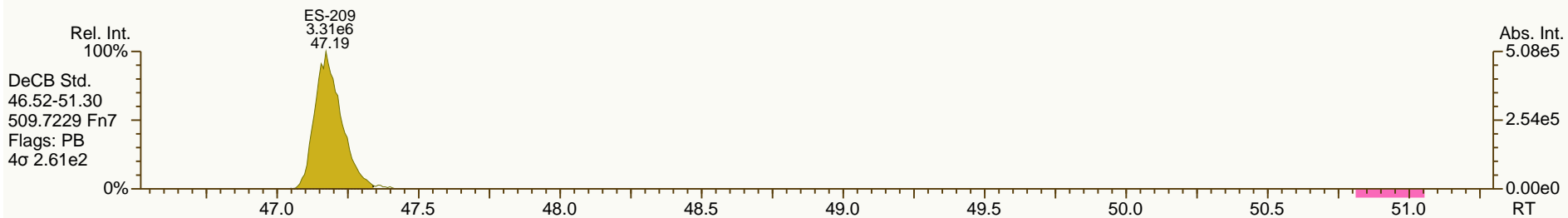
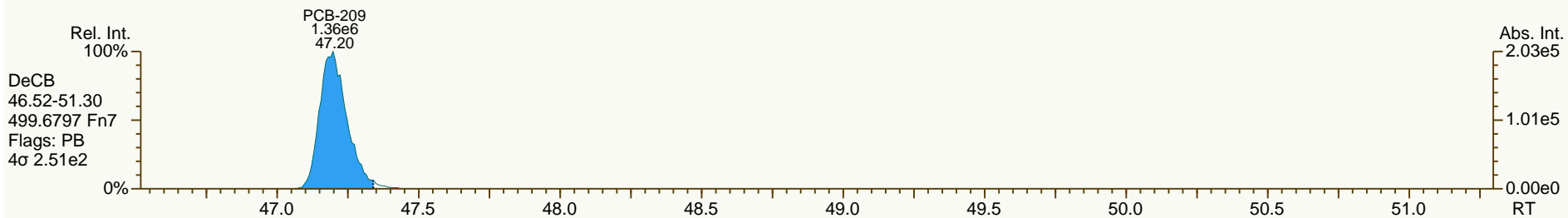
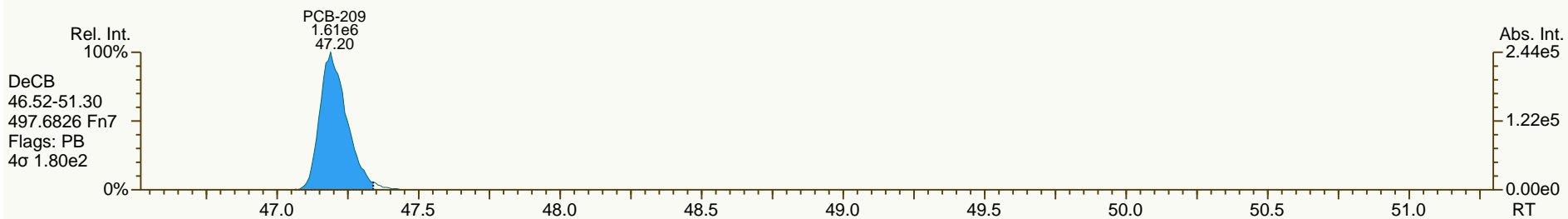
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 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

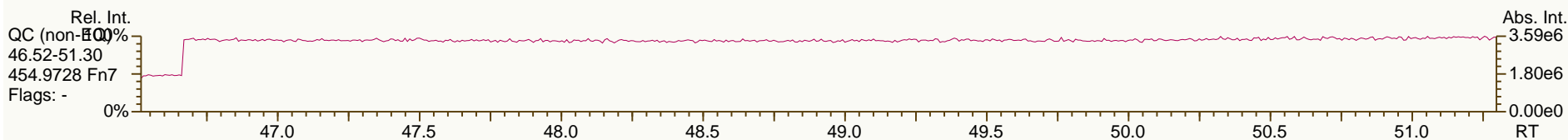
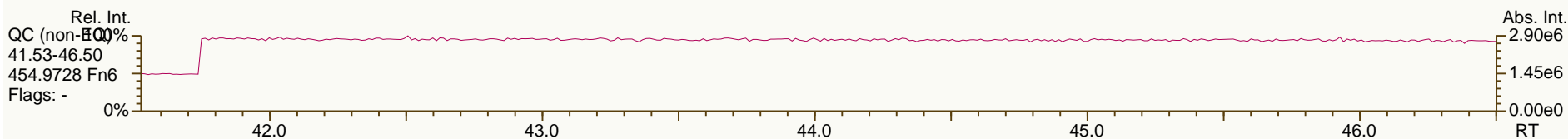
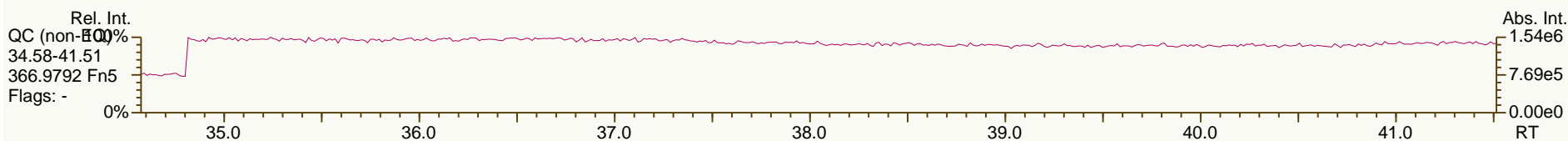
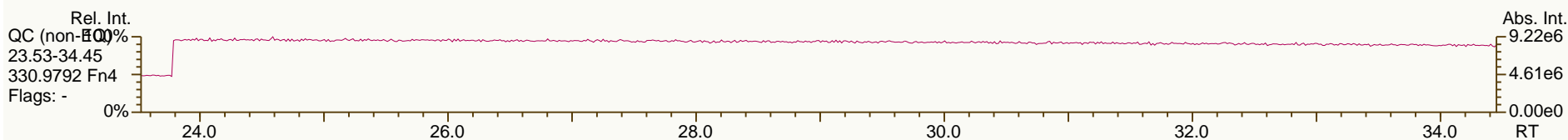
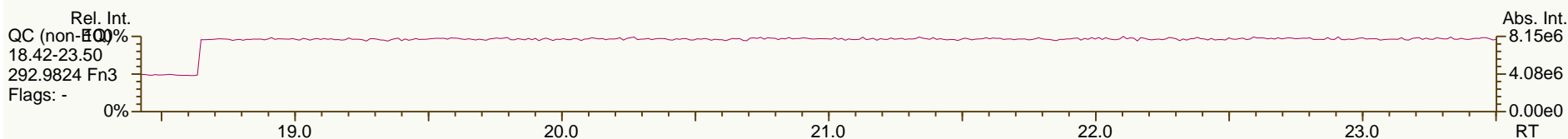
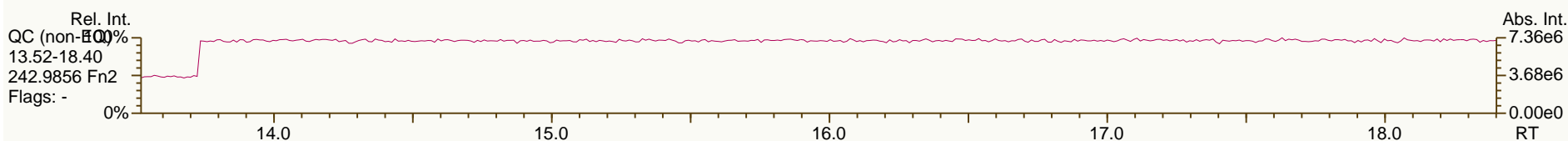
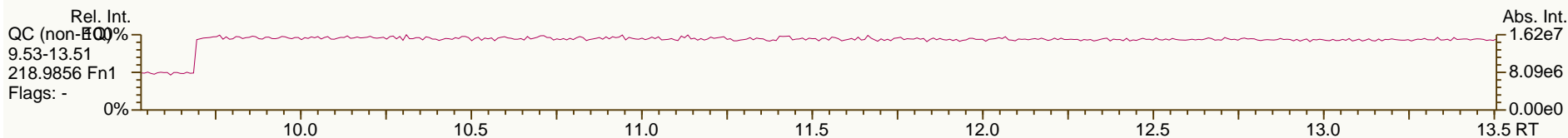
Acq: 05-Jul-2012 11:33:26
 User: LKB Datafile: 120705S01



AP Lab ID: CS3_120705_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 11:33:26
User: LKB Datafile: 120705S01



PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Jul-2012 15:12		
Lab ID:	CS3_120705_PCB_SB						
Acquired:	05-JUL-2012 20:06		ICAL: MM4_PCB_01102012_26JAN12				
Datafile:	120705S10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.26	8.14E+06	0.80 Y	1.22	1.20	-1.9%	
PCB-81 344'5'-TeCB	28.79	7.82E+06	0.78 Y	1.24	1.11	-11.1%	
PCB-105 233'44'-PeCB	32.20	4.70E+06	0.62 Y	1.03	0.97	-5.3%	
PCB-114 2344'5'-PeCB	31.67	5.12E+06	0.61 Y	1.10	1.05	-3.9%	
PCB-118 23'44'5'-PeCB	31.23	5.03E+06	0.62 Y	1.03	0.98	-5.3%	
PCB-123 2'344'5'-PeCB	30.95	5.45E+06	0.60 Y	0.93	1.05	13.3%	
PCB-126 33'44'5'-PeCB	34.81	6.35E+06	0.62 Y	1.11	1.04	-6.3%	
PCB-156/157 233'44'5'/233'44'5'	37.35	8.92E+06	1.28 Y	1.05	1.10	5.7%	
PCB-167 23'44'55'-HxCB	36.39	4.63E+06	1.28 Y	1.08	1.14	5.6%	
PCB-169 33'44'55'-HxCB	40.08	4.39E+06	1.31 Y	1.04	1.06	1.5%	
PCB-189 233'44'55'-HpCB	42.21	6.58E+06	1.03 Y	1.11	1.15	3.4%	
PCB-209 DeCB	47.19	3.01E+06	1.17 Y	1.05	1.04	-0.5%	
ES PCB-1	9.83	1.54E+07	3.39 Y	1.01	0.84	-17.5%	
ES PCB-3	11.77	1.49E+07	3.38 Y	1.05	0.81	-23.1%	
ES PCB-4	11.97	9.10E+06	1.61 Y	0.70	0.49	-29.1%	
ES PCB-15	17.08	1.97E+07	1.65 Y	1.17	1.07	-8.3%	
ES PCB-19	14.66	8.91E+06	1.06 Y	0.57	0.48	-14.6%	
ES PCB-37	23.07	1.33E+07	1.09 Y	1.41	1.55	9.9%	
ES PCB-54	17.30	1.10E+07	0.79 Y	1.32	1.28	-3.4%	
ES PCB-77	29.24	1.36E+07	0.80 Y	1.22	1.57	29.3%	
ES PCB-81	28.78	1.41E+07	0.80 Y	1.15	1.64	42.7%	
ES PCB-104	22.02	9.34E+06	1.56 Y	1.69	1.15	-31.9%	
ES PCB-105	32.18	9.67E+06	1.59 Y	1.21	1.19	-1.5%	
ES PCB-114	31.65	9.72E+06	1.61 Y	1.23	1.20	-3.0%	
ES PCB-118	31.21	1.03E+07	1.56 Y	1.25	1.26	1.4%	
ES PCB-123	30.93	1.04E+07	1.59 Y	1.33	1.28	-3.6%	
ES PCB-126	34.79	1.22E+07	1.73 Y	1.36	1.50	10.3%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	26.85	1.03E+07	1.28 Y	1.40	1.49	6.4%	
ES PCB-156/157	37.33	1.62E+07	1.25 Y	1.13	1.18	3.9%	
ES PCB-167	36.37	8.12E+06	1.24 Y	1.13	1.18	4.6%	
ES PCB-169	40.06	8.29E+06	1.28 Y	1.14	1.21	5.6%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	31.66	7.90E+06	1.03 Y	1.34	1.15	-14.3%	
ES PCB-189	42.19	1.15E+07	1.06 Y	1.77	2.10	19.2%	
ES PCB-202	36.17	7.97E+06	0.87 Y	1.27	1.16	-8.7%	
ES PCB-205	44.35	7.40E+06	0.93 Y	1.25	1.36	8.8%	
ES PCB-206	45.82	5.14E+06	0.77 Y	1.07	0.94	-11.7%	
ES PCB-208	41.79	6.40E+06	0.81 Y	1.34	1.17	-12.2%	
ES PCB-209	47.17	5.76E+06	1.20 Y	1.18	1.06	-10.8%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 9-Jul-2012 15:12		
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.67	1.59E+07	1.08 Y	0.98	1.19	21.6%	
SS PCB-111	29.30	1.08E+07	1.65 Y	0.90	1.04	15.7%	
SS PCB-178	34.22	5.64E+06	1.05 Y	0.65	0.71	10.2%	
CS PCB-28	19.67	1.59E+07	1.08 Y	1.39	1.85	33.7%	
CS PCB-111	29.30	1.08E+07	1.65 Y	1.19	1.33	11.6%	
CS PCB-178	34.22	5.64E+06	1.05 Y	0.87	0.82	-5.5%	
JS PCB-9	13.71	1.84E+07	1.66 Y		-	-	
JS PCB-52	21.22	8.60E+06	0.76 Y		-	-	
JS PCB-101	27.03	8.13E+06	1.66 Y		-	-	
JS PCB-138	33.82	6.87E+06	1.33 Y		-	-	
JS PCB-194	43.95	5.45E+06	0.91 Y		-	-	
PCB-1 2-MoCB	9.84	1.05E+07	3.19 Y	1.20	1.37	14.3%	
PCB-3 4-MoCB	11.78	1.06E+07	3.27 Y	1.13	1.43	26.4%	
PCB-4 22'-DiCB	11.98	4.73E+06	1.53 Y	0.94	1.04	10.1%	
PCB-15 44'-DiCB	17.10	1.06E+07	1.53 Y	1.01	1.07	6.8%	
PCB-19 22'6'-TrCB	14.68	4.29E+06	1.03 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	23.09	8.68E+06	1.07 Y	1.20	1.30	8.6%	
PCB-54 22'66'-TeCB	17.32	5.05E+06	0.77 Y	0.93	0.92	-1.5%	
PCB-104 22'466'-PeCB	22.04	4.93E+06	0.61 Y	0.92	1.06	15.2%	
PCB-155 22'44'66'-HxCB	26.87	5.42E+06	1.29 Y	1.06	1.06	0.1%	
PCB-188 22'34'566'-HpCB	31.68	4.40E+06	1.07 Y	1.07	1.12	4.7%	
PCB-202 22'33'55'66'-OcCB	36.19	3.34E+06	0.90 Y	0.83	0.84	1.4%	
PCB-205 233'44'55'6'-OcCB	44.37	3.67E+06	0.90 Y	1.09	0.99	-9.2%	
PCB-208 22'33'455'66'-NoCB	41.81	3.12E+06	0.78 Y	0.98	0.98	-0.1%	
PCB-206 22'33'44'55'6'-NoCB	45.84	2.32E+06	0.77 Y	0.93	0.90	-3.5%	

PCB QC Summary - Ax2 Detail				Processed: 9-Jul-2012 15:12			
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	9.84	1.05E+07	3.19 Y	1.20	-	-	
PCB-2 3-MoCB	11.62	1.04E+07	3.33 Y	1.13	1.39	23.2%	
PCB-3 4-MoCB	11.78	1.06E+07	3.27 Y	1.13	-	-	
PCB-4 22'-DiCB	11.98	4.73E+06	1.53 Y	0.94	-	-	
PCB-10 26'-DiCB	12.14	7.11E+06	1.58 Y	1.43	1.56	9.2%	
PCB-9 25'-DiCB	13.72	9.21E+06	1.54 Y	0.87	0.93	7.5%	
PCB-7 24'-DiCB	13.87	1.08E+07	1.54 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.07	9.96E+06	1.55 Y	0.94	1.01	7.5%	
PCB-5 23'-DiCB	14.33	1.00E+07	1.53 Y	0.92	1.02	10.4%	
PCB-8 24'-DiCB	14.44	1.03E+07	1.55 Y	0.95	1.05	10.3%	
PCB-14 35'-DiCB	15.86	1.19E+07	1.54 Y	1.09	1.20	9.9%	
PCB-11 33'-DiCB	16.57	1.02E+07	1.53 Y	0.98	1.04	6.0%	
PCB-13/12 34'-/34'-DiCB	16.84	2.04E+07	1.54 Y	0.97	1.03	6.6%	
PCB-15 44'-DiCB	17.10	1.06E+07	1.53 Y	1.01	-	-	
PCB-19 22'6-TrCB	14.68	4.29E+06	1.03 Y	1.01	-	-	
PCB-30/18 246-/22'5-TrCB	16.30	1.18E+07	1.03 Y	1.29	1.32	2.0%	
PCB-17 22'4-TrCB	16.66	5.01E+06	1.04 Y	1.14	1.12	-1.0%	
PCB-27 23'6-TrCB	16.84	6.50E+06	1.05 Y	1.48	1.46	-1.7%	
PCB-24 236-TrCB	16.95	6.61E+06	1.04 Y	1.43	1.48	3.6%	
PCB-16 22'3-TrCB	17.04	3.89E+06	1.03 Y	0.89	0.87	-2.3%	
PCB-32 24'6-TrCB	17.49	6.94E+06	1.03 Y	1.56	1.56	-0.1%	
PCB-34 2'35-TrCB	18.59	9.11E+06	1.06 Y	1.18	1.37	15.8%	
PCB-23 235-TrCB	18.72	9.57E+06	1.06 Y	1.19	1.43	21.0%	
PCB-26/29 23'5-/245-TrCB	18.99	1.91E+07	1.06 Y	1.20	1.43	19.2%	
PCB-25 23'4-TrCB	19.17	9.56E+06	1.07 Y	1.19	1.43	20.2%	
PCB-31 24'5-TrCB	19.44	9.93E+06	1.07 Y	1.23	1.49	21.4%	
PCB-28/20 244'-/233'-TrCB	19.70	1.83E+07	1.06 Y	1.18	1.37	16.1%	
PCB-21/33 234-/2'34-TrCB	19.86	1.93E+07	1.05 Y	1.21	1.45	19.0%	
PCB-22 234'-TrCB	20.22	8.61E+06	1.07 Y	1.11	1.29	15.8%	
PCB-36 33'5-TrCB	21.57	9.20E+06	1.08 Y	1.21	1.38	13.6%	
PCB-39 34'5-TrCB	21.87	9.53E+06	1.03 Y	1.32	1.43	8.5%	
PCB-38 345-TrCB	22.35	8.57E+06	1.08 Y	1.15	1.28	11.2%	
PCB-35 33'4-TrCB	22.75	8.41E+06	1.06 Y	1.13	1.26	11.1%	
PCB-37 344'-TrCB	23.09	8.68E+06	1.07 Y	1.20	-	-	
PCB-54 22'66'-TeCB	17.32	5.05E+06	0.77 Y	0.93	-	-	
PCB-50/53 22'46-/22'56'TeCB	19.20	9.10E+06	0.77 Y	0.83	0.64	-22.7%	
PCB-45 22'36'-TeCB	19.74	4.02E+06	0.76 Y	0.71	0.57	-19.4%	
PCB-51 22'46'-TeCB	19.82	4.51E+06	0.78 Y	0.88	0.64	-27.4%	
PCB-46 22'36'-TeCB	20.01	3.74E+06	0.77 Y	0.69	0.53	-23.9%	
PCB-52 22'55'-TeCB	21.24	4.35E+06	0.77 Y	0.80	0.62	-23.4%	
PCB-73 23'5'6TeCB	21.36	5.77E+06	0.77 Y	1.03	0.82	-21.0%	

Lab ID: - Ax2 Detail		Processed: 9-Jul-2012 15:12					
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	21.44	3.99E+06	0.79 Y	0.71	0.56	-20.1%	
PCB-69/49 23'46-/22'45'TeCB	21.64	1.09E+07	0.78 Y	0.96	0.77	-19.5%	
PCB-48 22'45'-TeCB	21.90	4.62E+06	0.78 Y	0.84	0.65	-21.7%	
PCB-44/47/65 22'35'-/22'44'-	22.10	1.47E+07	0.78 Y	0.86	0.69	-19.6%	
PCB-59/62/75 233'6-/2346-/24	22.37	1.84E+07	0.77 Y	1.09	0.87	-20.5%	
PCB-42 22'34'-TeCB	22.52	4.42E+06	0.78 Y	0.77	0.63	-18.3%	
PCB-41 22'34'-TeCB	22.83	3.91E+06	0.77 Y	0.73	0.55	-23.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.93	9.50E+06	0.80 Y	0.81	0.67	-17.5%	
PCB-64 234'6'-TeCB	23.13	6.65E+06	0.81 Y	1.17	0.94	-19.4%	
PCB-72 23'55'-TeCB	23.86	7.86E+06	0.77 Y	1.25	1.11	-11.2%	
PCB-68 23'45'-TeCB	24.11	8.53E+06	0.78 Y	1.36	1.21	-11.5%	
PCB-57 233'5'-TeCB	24.46	7.70E+06	0.77 Y	1.22	1.09	-11.1%	
PCB-58 233'5'-TeCB	24.65	7.75E+06	0.78 Y	1.26	1.10	-12.7%	
PCB-67 23'45'-TeCB	24.80	8.04E+06	0.78 Y	1.27	1.14	-10.8%	
PCB-63 234'5'-TeCB	25.02	8.47E+06	0.79 Y	1.34	1.20	-10.3%	
PCB-61/70/74/76 2345-/23'4'5	25.29	3.22E+07	0.78 Y	1.24	1.14	-8.3%	
PCB-66 23'44'-TeCB	25.57	7.51E+06	0.79 Y	1.19	1.06	-10.6%	
PCB-55 233'4'-TeCB	25.70	8.04E+06	0.78 Y	1.22	1.14	-6.6%	
PCB-56 233'4'-TeCB	26.13	7.51E+06	0.77 Y	1.18	1.06	-9.8%	
PCB-60 2344'-TeCB	26.31	8.07E+06	0.77 Y	1.24	1.14	-7.8%	
PCB-80 33'55'-TeCB	26.69	8.69E+06	0.77 Y	1.37	1.23	-10.5%	
PCB-79 33'45'-TeCB	27.96	8.62E+06	0.78 Y	1.37	1.22	-10.9%	
PCB-78 33'45'-TeCB	28.43	7.41E+06	0.80 Y	1.19	1.05	-12.2%	
PCB-104 22'466'-PeCB	22.04	4.93E+06	0.61 Y	0.92	-	-	
PCB-96 22'366'-PeCB	22.33	4.30E+06	0.62 Y	0.81	0.92	13.6%	
PCB-103 22'45'6'-PeCB	24.01	4.06E+06	0.60 Y	0.78	0.78	0.7%	
PCB-94 22'356'-PeCB	24.18	3.52E+06	0.60 Y	0.71	0.68	-4.9%	
PCB-95 22'35'6'-PeCB	24.54	3.62E+06	0.59 Y	0.74	0.70	-6.1%	
PCB-100/93 22'44'6-/22'356-P	24.75	7.57E+06	0.60 Y	0.75	0.73	-2.4%	
PCB-102 22'456'-PeCB	24.86	4.46E+06	0.60 Y	0.75	0.86	14.5%	
PCB-98 22'3'46'-PeCB	24.92	3.46E+06	0.60 Y	0.71	0.67	-6.4%	
PCB-88 22'346'-PeCB	25.20	3.45E+06	0.59 Y	0.66	0.66	-0.2%	
PCB-91 22'34'6'-PeCB	25.27	4.26E+06	0.63 Y	0.84	0.82	-2.2%	
PCB-84 22'33'6'-PeCB	25.45	3.29E+06	0.62 Y	0.65	0.63	-2.5%	
PCB-89 22'346'-PeCB	25.85	3.42E+06	0.62 Y	0.69	0.66	-4.3%	
PCB-121 23'45'6'-PeCB	26.25	5.15E+06	0.62 Y	0.98	0.99	0.7%	
PCB-92 22'355'-PeCB	26.55	3.63E+06	0.61 Y	0.72	0.70	-2.6%	
PCB-113/90/101 233'5'6-/22'3	27.02	1.28E+07	0.60 Y	0.81	0.82	1.3%	
PCB-83 22'33'5'-PeCB	27.43	3.09E+06	0.59 Y	0.62	0.60	-4.4%	

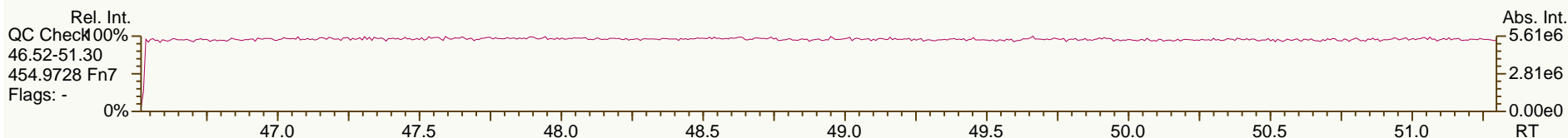
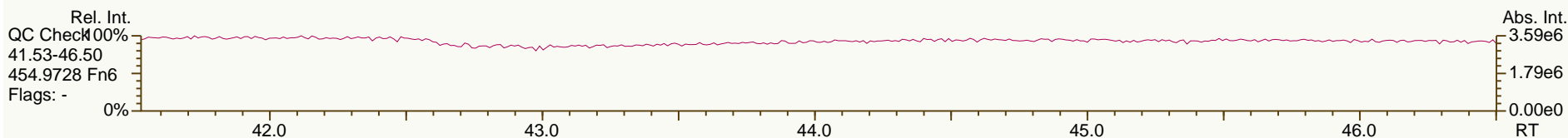
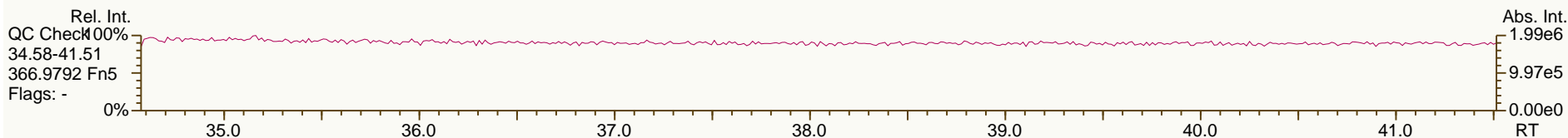
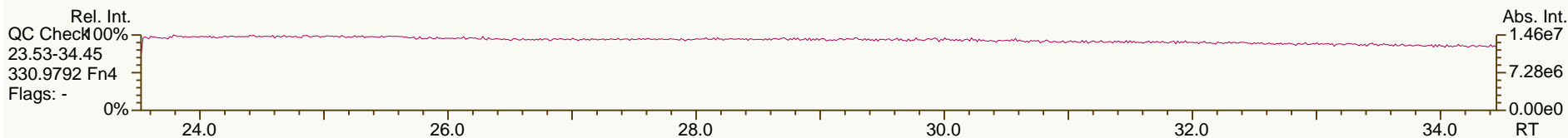
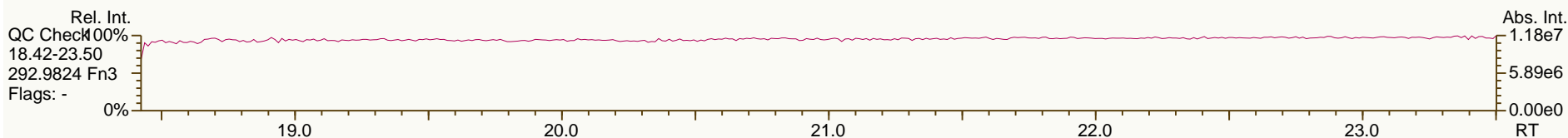
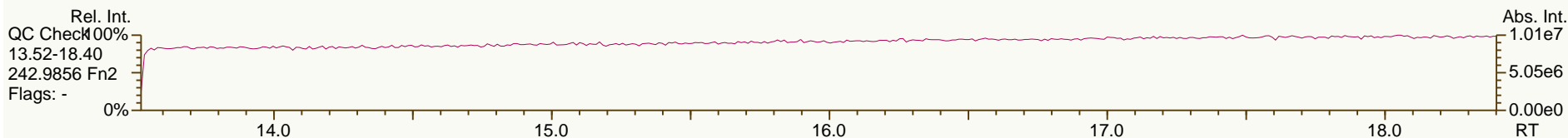
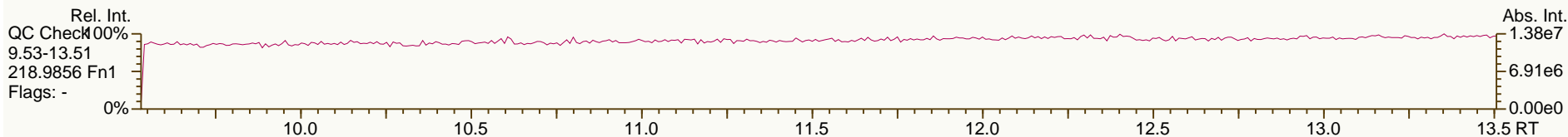
Lab ID: - Ax2 Detail		Processed: 9-Jul-2012 15:12					
Lab ID:	CS3_120705_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	27.54	3.74E+06	0.59 Y	0.76	0.72	-5.9%	
PCB-112 233'56-PeCB	27.63	4.90E+06	0.61 Y	0.96	0.94	-2.2%	
PCB-109/119/86/97/125...-PeCB	27.96	2.63E+07	0.59 Y	0.83	0.84	2.1%	
PCB-117 234'56-PeCB	28.48	4.47E+06	0.59 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	28.56	9.16E+06	0.60 Y	0.81	0.88	9.0%	
PCB-110 233'46-PeCB	28.69	4.52E+06	0.61 Y	0.92	0.87	-5.5%	
PCB-115 2344'6-PeCB	28.77	5.20E+06	0.61 Y	0.95	1.00	5.5%	
PCB-82 22'33'4-PeCB	28.95	3.24E+06	0.59 Y	0.62	0.62	1.0%	
PCB-111 233'55'-PeCB	29.33	5.17E+06	0.60 Y	0.98	0.99	0.9%	
PCB-120 23'455'-PeCB	29.71	5.10E+06	0.61 Y	0.99	0.98	-1.1%	
PCB-108/124 ...-PeCB	30.65	9.60E+06	0.60 Y	0.92	0.92	0.4%	
PCB-107 233'45-PeCB	30.85	4.70E+06	0.61 Y	1.00	0.90	-9.2%	
PCB-106 233'45-PeCB	31.05	4.79E+06	0.62 Y	0.96	0.92	-4.2%	
PCB-122 2'33'45-PeCB	31.51	4.58E+06	0.62 Y	0.93	0.94	1.8%	
PCB-127 33'455'-PeCB	33.47	4.78E+06	0.63 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	26.87	5.42E+06	1.29 Y	1.06	-	-	
PCB-152 22'3566'-HxCB	26.99	5.09E+06	1.22 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	27.15	5.16E+06	1.28 Y	0.99	1.01	2.0%	
PCB-136 22'33'66'-HxCB	27.43	4.70E+06	1.24 Y	0.92	0.92	-0.3%	
PCB-145 22'3466'HxCB	27.69	4.88E+06	1.30 Y	0.94	0.95	1.4%	
PCB-148 22'34'56'-HxCB	29.00	3.76E+06	1.28 Y	0.73	0.73	0.1%	
PCB-151/135 22'355'6-/22'33'	29.50	7.34E+06	1.30 Y	0.71	0.72	0.7%	
PCB-154 22'44'5'6-HxCB	29.71	4.14E+06	1.25 Y	0.78	0.81	2.7%	
PCB-144 22'345'6-HxCB	29.96	3.78E+06	1.27 Y	0.72	0.74	2.3%	
PCB-147/149 22'34'56-/22'34'	30.26	7.69E+06	1.30 Y	0.72	0.75	3.5%	
PCB-134 22'33'56-HxCB	30.41	3.05E+06	1.27 Y	0.61	0.59	-2.1%	
PCB-143 22'3456'-HxCB	30.49	3.67E+06	1.32 Y	0.69	0.72	3.3%	
PCB-139/140 22'344'6-/22'344'	30.76	7.90E+06	1.29 Y	0.73	0.77	4.8%	
PCB-131 22'33'46-HxCB	30.92	3.35E+06	1.34 Y	0.65	0.65	0.8%	
PCB-142 22'3456-HxCB	31.05	3.51E+06	1.25 Y	0.67	0.68	1.4%	
PCB-132 22'33'46'-HxCB	31.29	3.42E+06	1.30 Y	0.68	0.67	-1.8%	
PCB-133 22'33'55'-HxCB	31.75	3.53E+06	1.25 Y	0.69	0.69	-0.2%	
PCB-165 233'55'6-HxCB	32.09	4.36E+06	1.28 Y	0.82	0.85	3.1%	
PCB-146 22'34'55'-HxCB	32.30	3.89E+06	1.26 Y	0.73	0.76	3.8%	
PCB-161 233'45'6-HxCB	32.41	4.75E+06	1.30 Y	0.93	0.93	-0.1%	
PCB-153/168 22'44'55'-/23'44'	32.84	9.33E+06	1.27 Y	0.89	0.91	2.3%	
PCB-141 22'3455'-HxCB	32.97	3.75E+06	1.29 Y	0.71	0.73	3.3%	
PCB-130 22'33'45'-HxCB	33.30	3.24E+06	1.29 Y	0.64	0.63	-0.8%	
PCB-137 22'344'5-HxCB	33.50	4.17E+06	1.30 Y	0.78	0.81	4.4%	
PCB-164 233'4'5'6-HxCB	33.59	4.58E+06	1.32 Y	0.88	0.89	1.5%	
PCB-163/138/129 233'4'56-/22'	33.86	1.21E+07	1.29 Y	0.76	0.78	3.0%	

Lab ID: - Ax2 Detail				Processed: 9-Jul-2012 15:12			
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Acquired:	05-JUL-2012 20:06						
Datafile:	120705S10						
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PCB-160 233'456'-HxCB	33.99	4.47E+06	1.31 Y	0.88	0.87	-1.6%	
PCB-158 233'44'6'-HxCB	34.18	5.15E+06	1.31 Y	0.96	1.00	4.2%	
PCB-128/166 22'33'44'-/2344'5	34.89	7.89E+06	1.26 Y	0.86	0.97	12.5%	
PCB-159 233'455'-HxCB	35.75	4.40E+06	1.27 Y	1.03	1.08	5.6%	
PCB-162 233'4'55'-HxCB	35.99	4.64E+06	1.25 Y	1.04	1.14	9.9%	
PCB-188 22'34'566'-HpCB	31.68	4.40E+06	1.07 Y	1.07	-	-	
PCB-179 22'33'566'-HpCB	31.94	4.19E+06	1.07 Y	0.98	1.06	8.6%	
PCB-184 22'344'66'-HpCB	32.41	4.09E+06	1.01 Y	0.97	1.04	6.6%	
PCB-176 22'33'466'-HpCB	32.68	4.48E+06	1.06 Y	1.06	1.13	6.5%	
PCB-186 22'34566'-HpCB	33.06	4.34E+06	1.11 Y	1.02	1.10	8.1%	
PCB-178 22'33'55'6'-HpCB	34.24	3.08E+06	1.14 Y	0.77	0.78	1.1%	
PCB-175 22'33'45'6'-HpCB	34.78	3.41E+06	1.01 Y	0.70	0.86	23.5%	
PCB-187 22'34'55'6'-HpCB	35.01	3.52E+06	1.04 Y	0.73	0.89	21.7%	
PCB-182 22'344'56'-HpCB	35.18	3.63E+06	1.02 Y	0.74	0.92	23.6%	
PCB-183 22'344'5'6'-HpCB	35.52	3.64E+06	1.06 Y	0.75	0.92	23.0%	
PCB-185 22'3455'6'-HpCB	35.59	3.48E+06	1.03 Y	0.73	0.88	21.1%	
PCB-174 22'33'456'-HpCB	35.70	3.07E+06	1.05 Y	0.63	0.78	23.8%	
PCB-177 22'33'4'56'-HpCB	36.07	2.92E+06	1.00 Y	0.64	0.74	15.8%	
PCB-181 22'344'56'-HpCB	36.41	3.34E+06	1.04 Y	0.72	0.85	18.3%	
PCB-171/173 22'33'44'6-/22'3	36.58	6.05E+06	1.02 Y	0.64	0.77	20.2%	
PCB-172 22'33'455'-HpCB	37.98	2.92E+06	1.02 Y	0.69	0.51	-25.9%	
PCB-192 233'455'6'-HpCB	38.22	3.77E+06	1.03 Y	0.91	0.66	-27.5%	
PCB-180/193 22'344'55'-/233'	38.50	7.12E+06	1.04 Y	0.84	0.62	-26.2%	
PCB-191 233'44'5'6'-HpCB	38.82	3.86E+06	1.05 Y	0.94	0.67	-28.5%	
PCB-170 22'33'44'5'-HpCB	39.57	2.84E+06	1.05 Y	0.70	0.49	-29.0%	
PCB-190 233'44'56'-HpCB	40.02	3.80E+06	1.05 Y	0.94	0.66	-29.8%	
PCB-202 22'33'55'66'-OcCB	36.19	3.34E+06	0.90 Y	0.83	-	-	
PCB-201 22'33'45'66'-OcCB	36.97	3.73E+06	0.88 Y	0.93	0.94	1.2%	
PCB-204 22'344'566'-OcCB	37.54	3.60E+06	0.84 Y	0.89	0.90	1.5%	
PCB-197 22'33'44'66'-OcCB	37.73	4.00E+06	0.86 Y	0.91	1.00	10.0%	
PCB-200 22'33'4566'-OcCB	37.80	3.50E+06	0.86 Y	0.93	0.88	-5.5%	
PCB-198/199 22'33'455'6-/22'	40.16	4.65E+06	0.88 Y	0.68	0.58	-14.6%	
PCB-196 22'33'44'56'-OcCB	40.73	2.39E+06	0.89 Y	0.72	0.60	-16.4%	
PCB-203 22'344'55'6'-OcCB	40.90	2.52E+06	0.89 Y	0.74	0.63	-14.0%	
PCB-195 22'33'44'56'-OcCB	41.99	2.73E+06	0.93 Y	0.81	0.74	-9.2%	
PCB-194 22'33'44'55'-OcCB	43.97	3.05E+06	0.91 Y	0.86	0.82	-3.8%	
PCB-205 233'44'55'6'-OcCB	44.37	3.67E+06	0.90 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	41.81	3.12E+06	0.78 Y	0.98	-	-	
PCB-207 22'33'44'566'-NoCB	42.59	3.22E+06	0.79 Y	1.02	1.01	-0.9%	
PCB-206 22'33'44'55'6'-NoCB	45.84	2.32E+06	0.77 Y	0.93	-	-	

AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

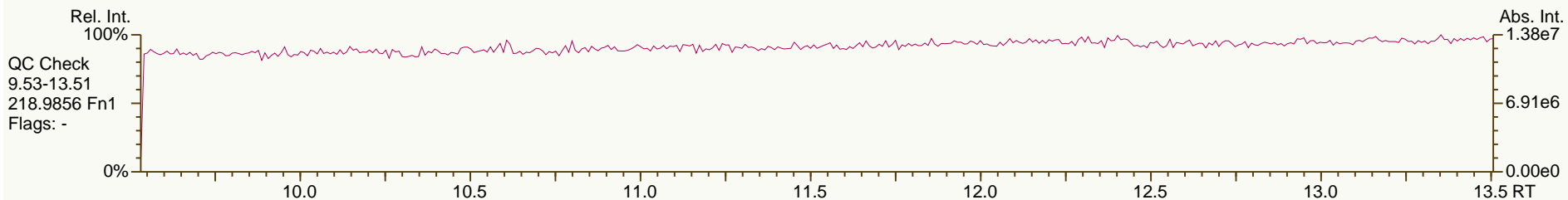
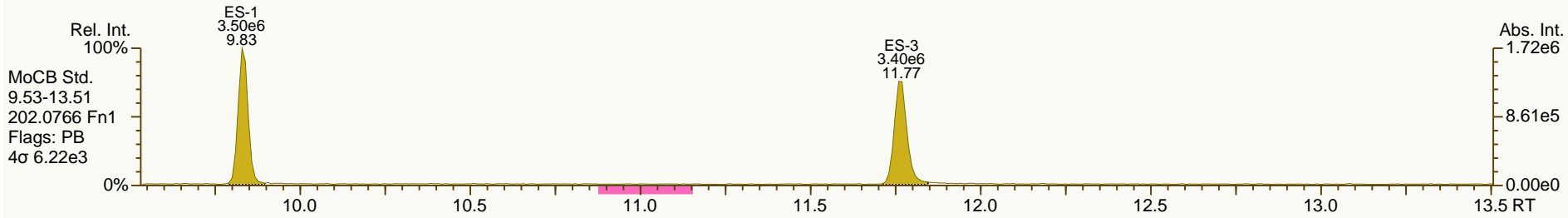
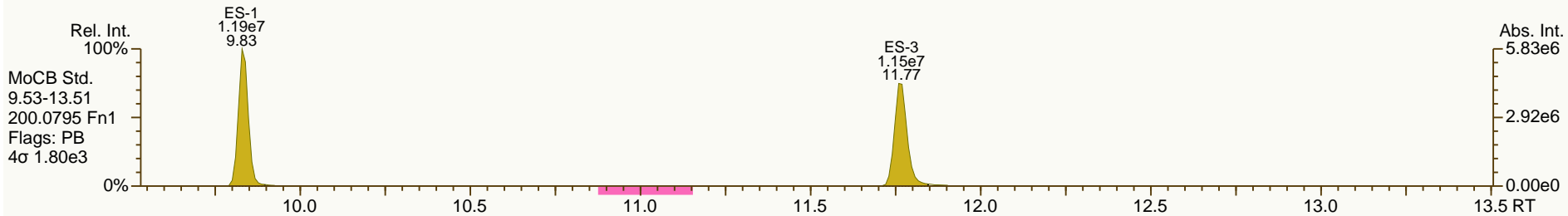
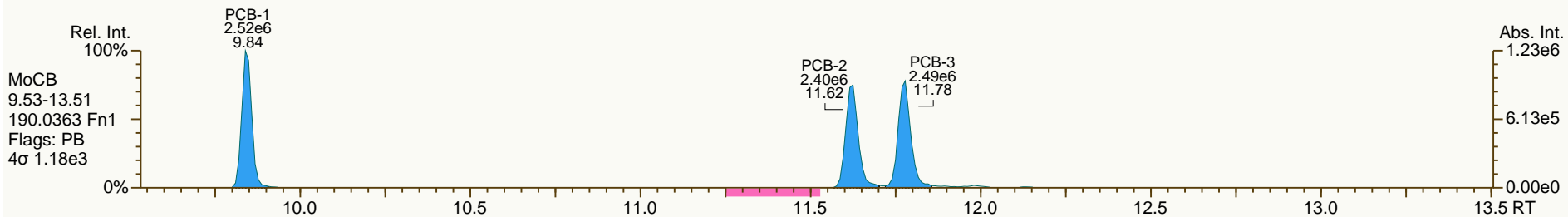
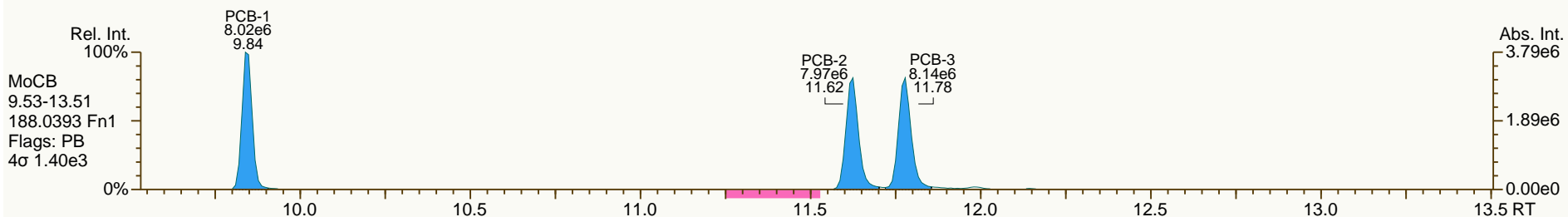
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

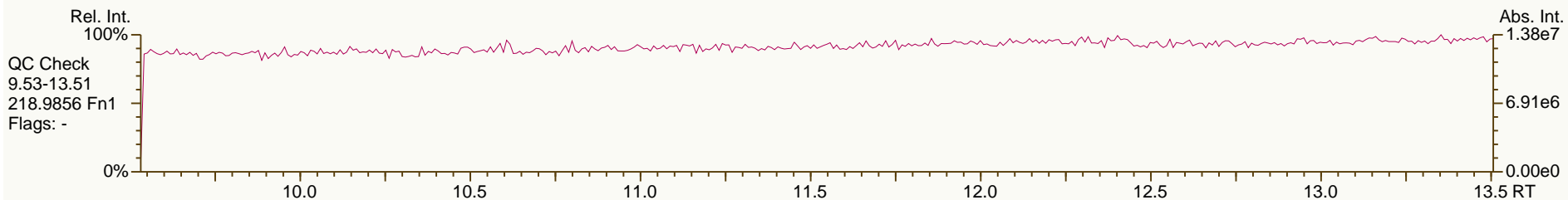
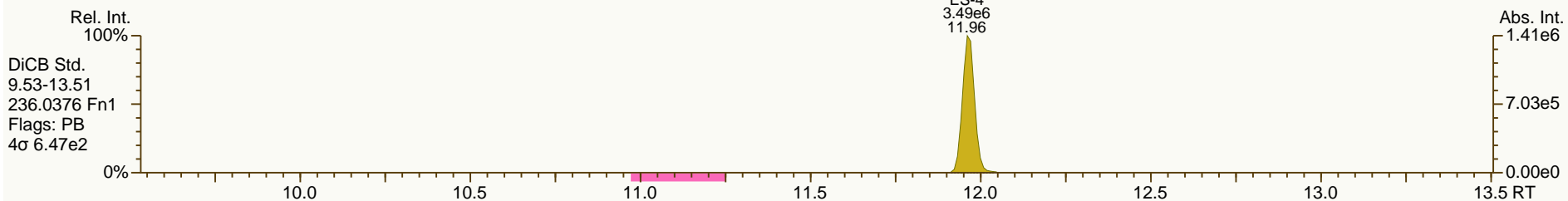
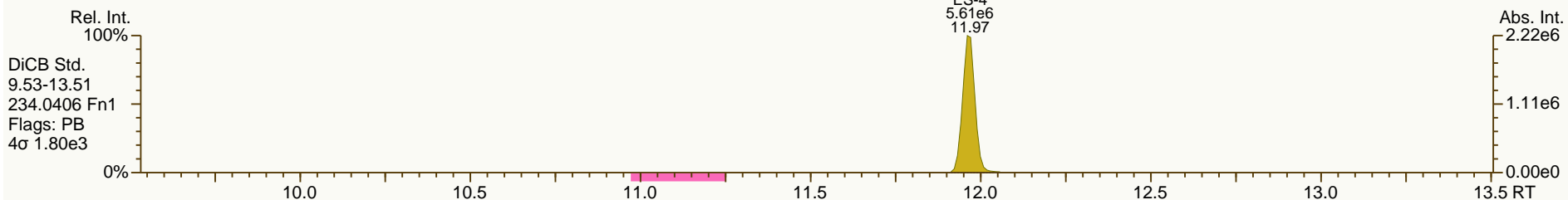
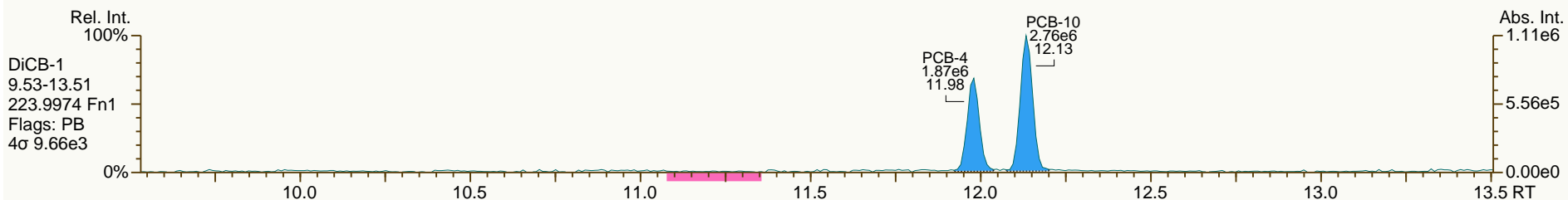
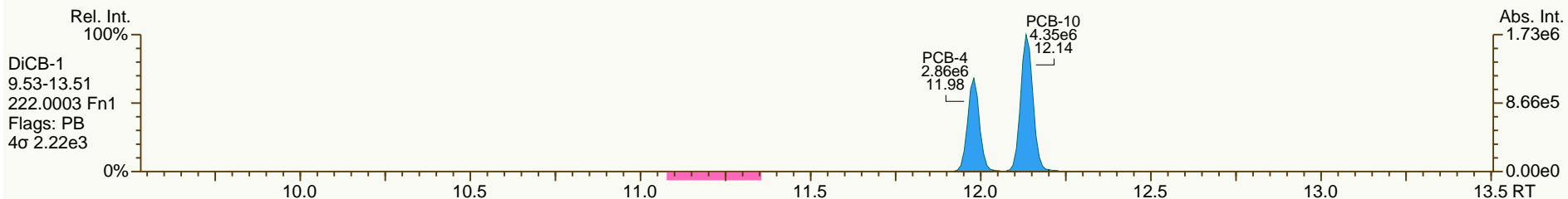
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AP Lab ID: CS3_120705_PCB_SB
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Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

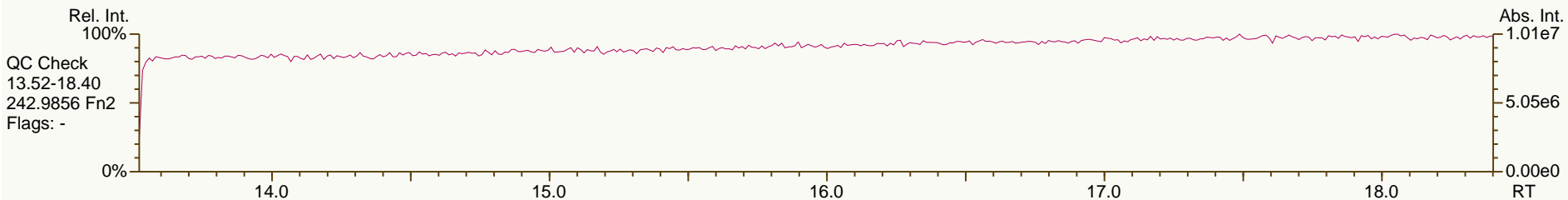
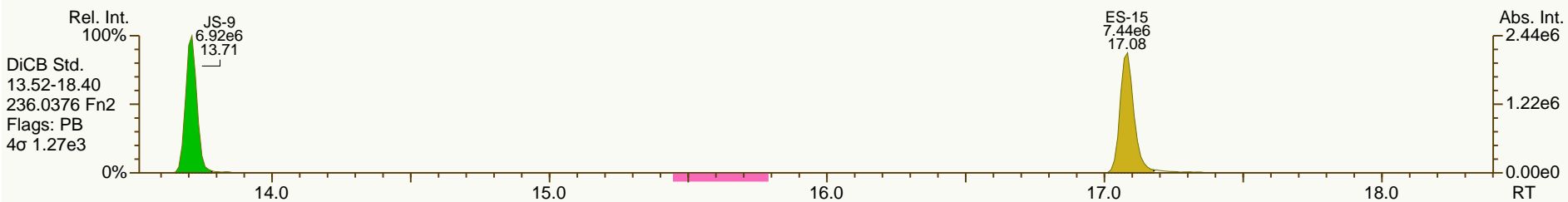
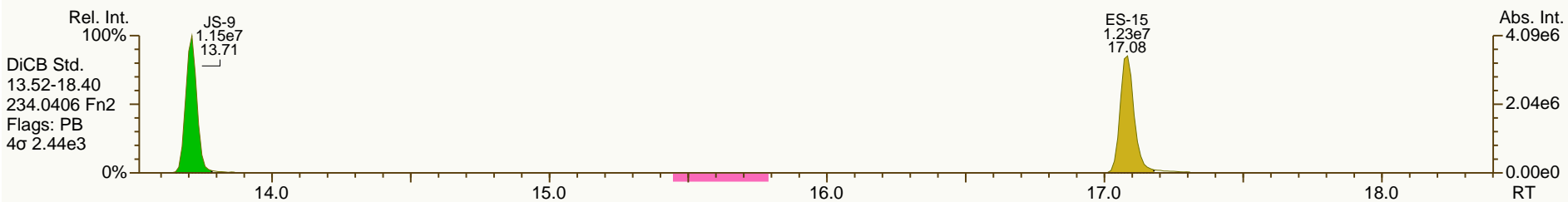
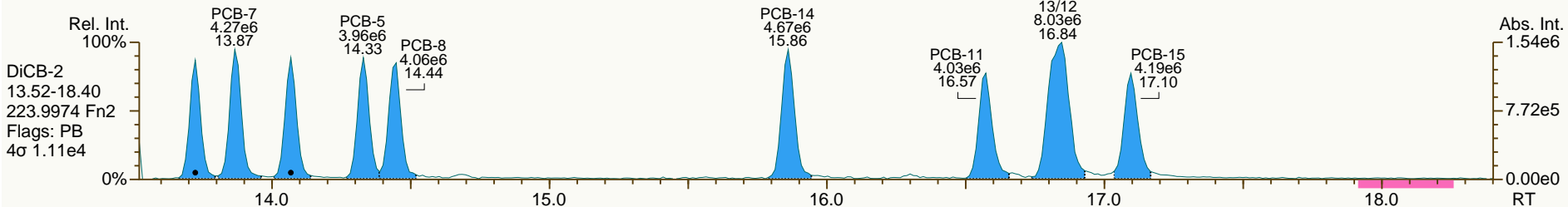
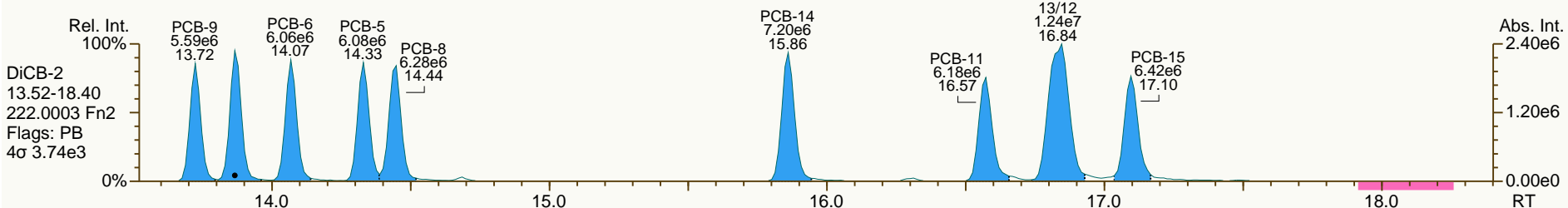
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

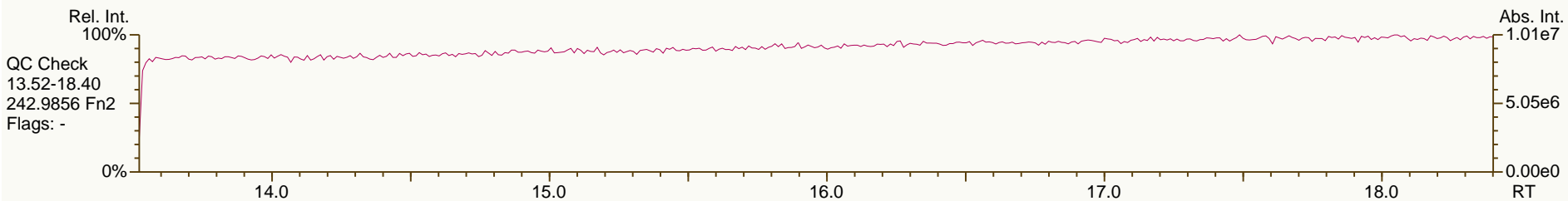
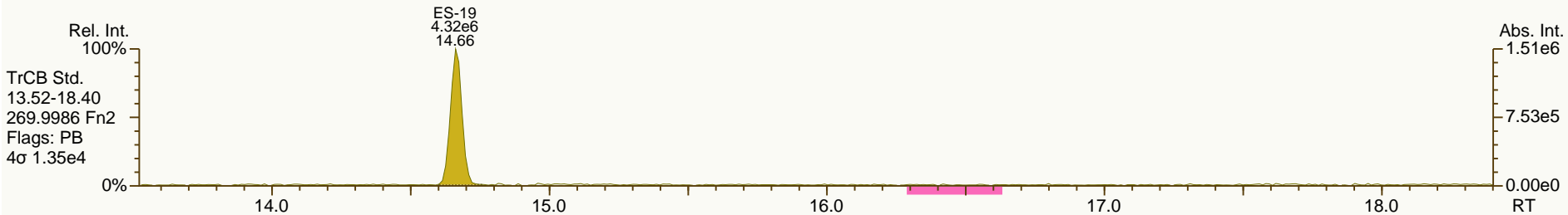
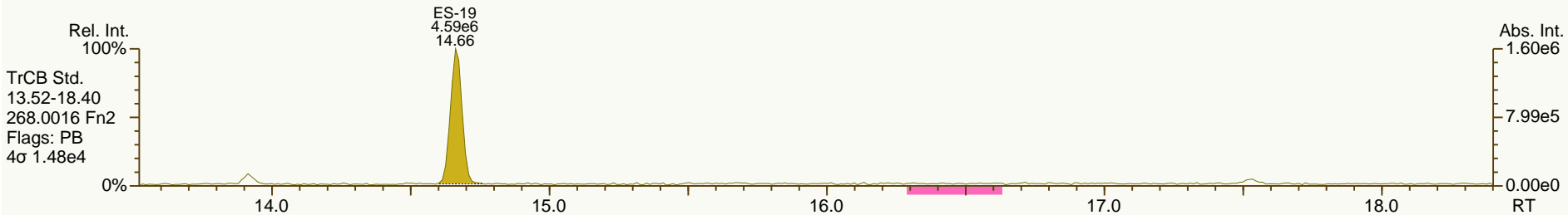
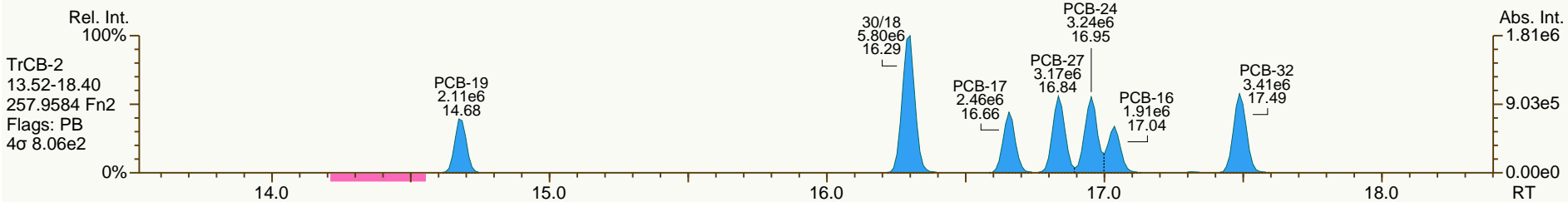
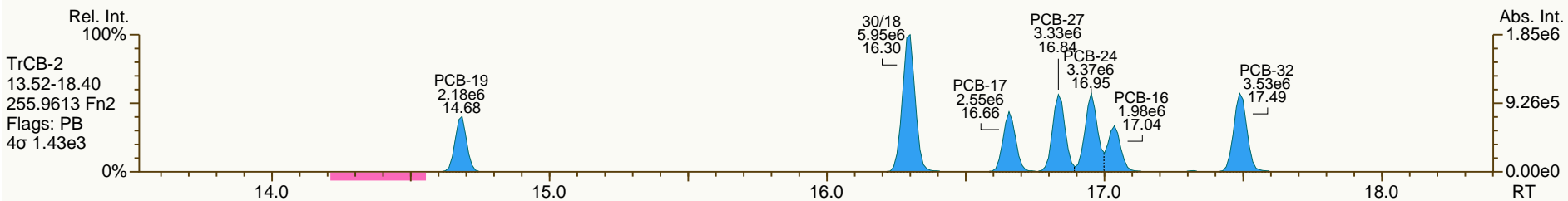
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

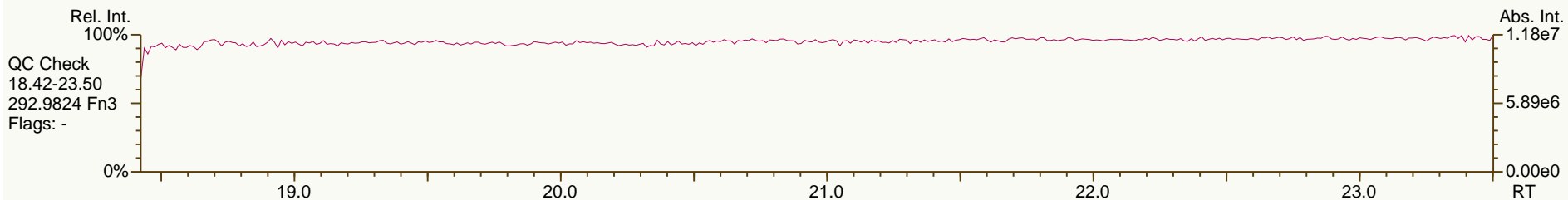
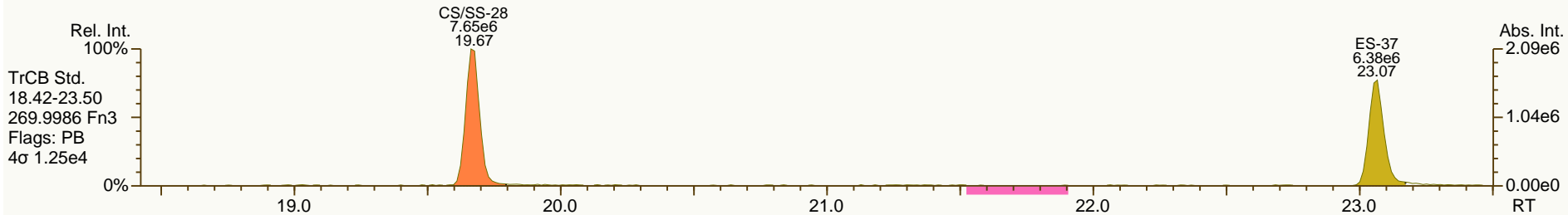
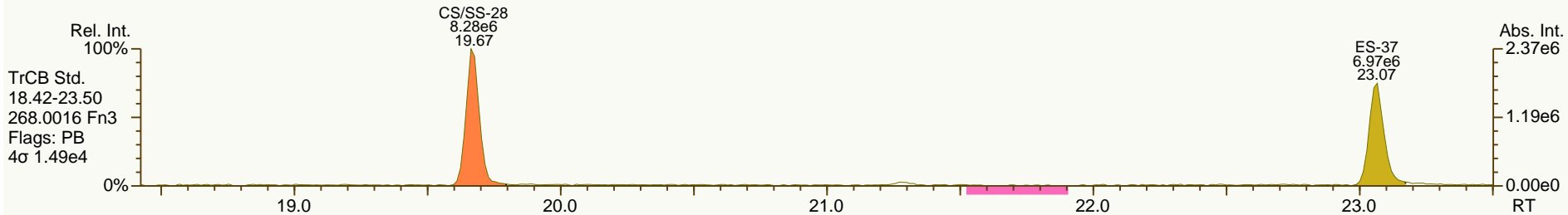
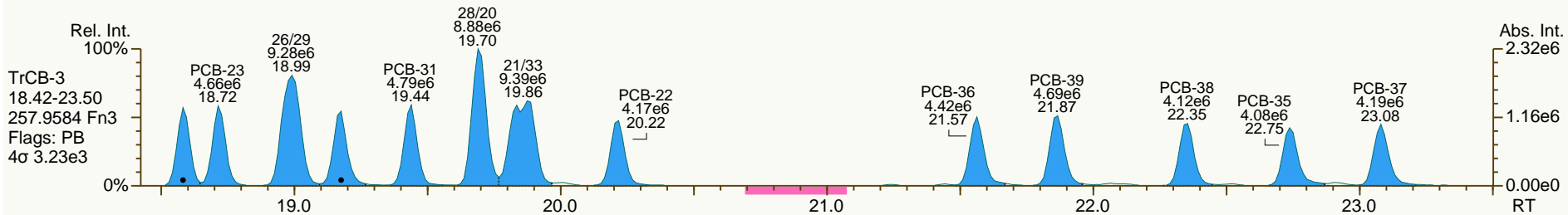
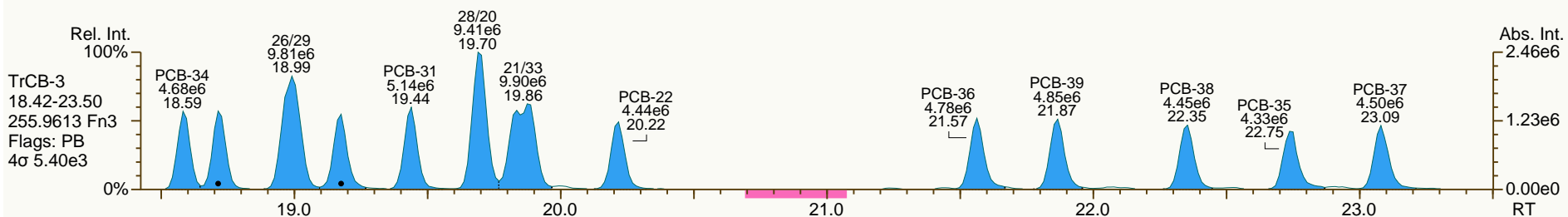
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AP Lab ID: CS3_120705_PCB_SB
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Sample ID: M1668-RETCON S40-51
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Sample ID: M1668-RETCO S40-51
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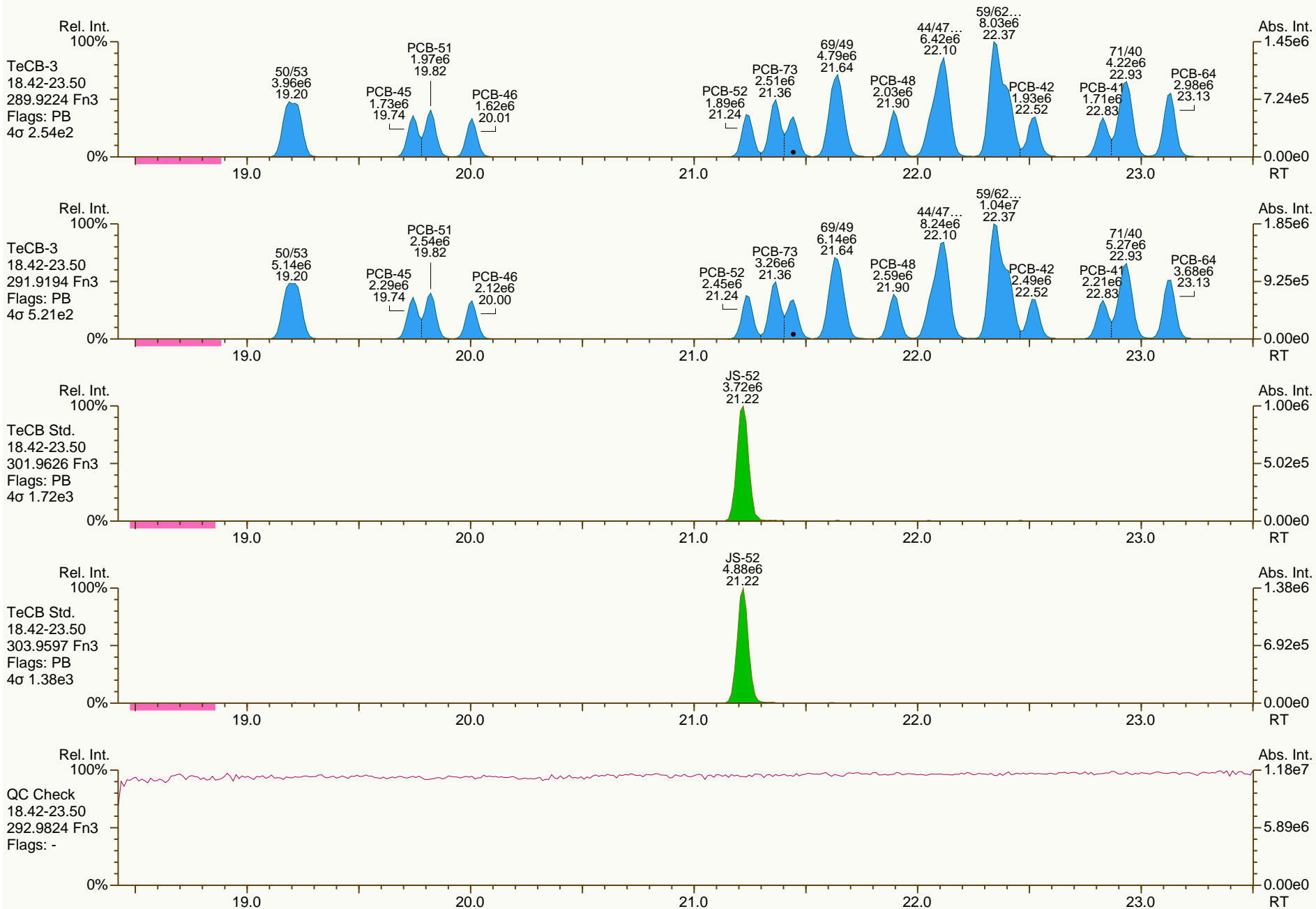
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AP Lab ID: CS3_120705_PCB_SB
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Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

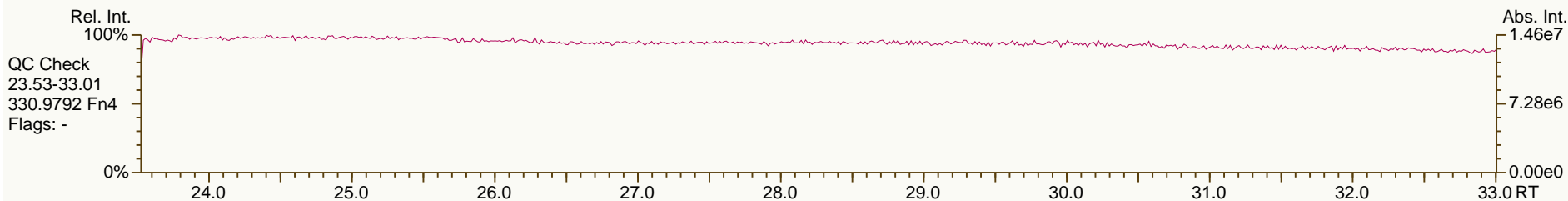
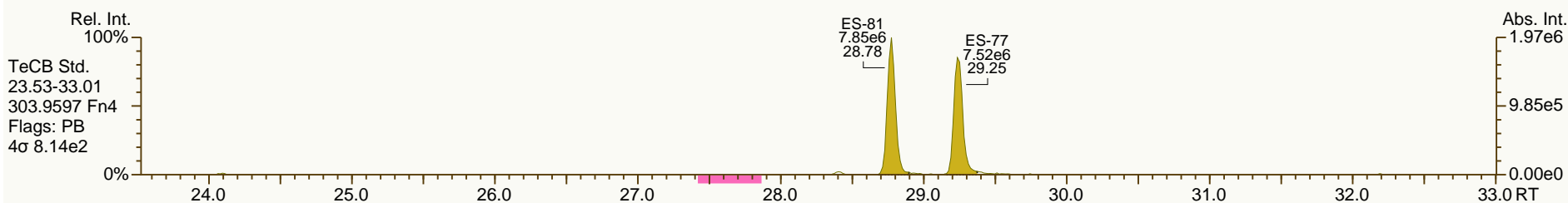
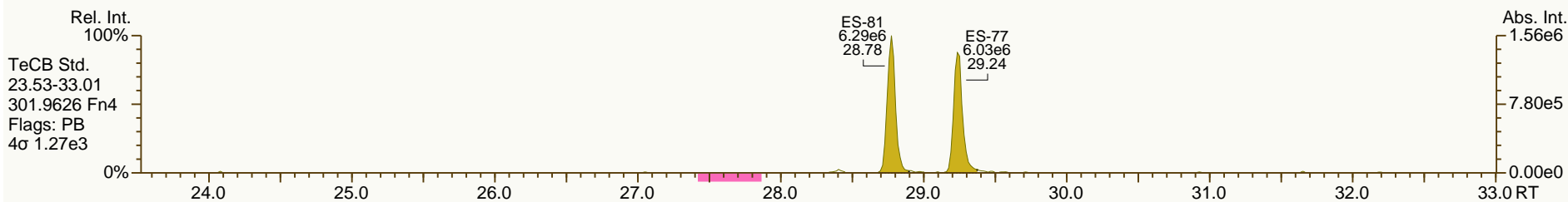
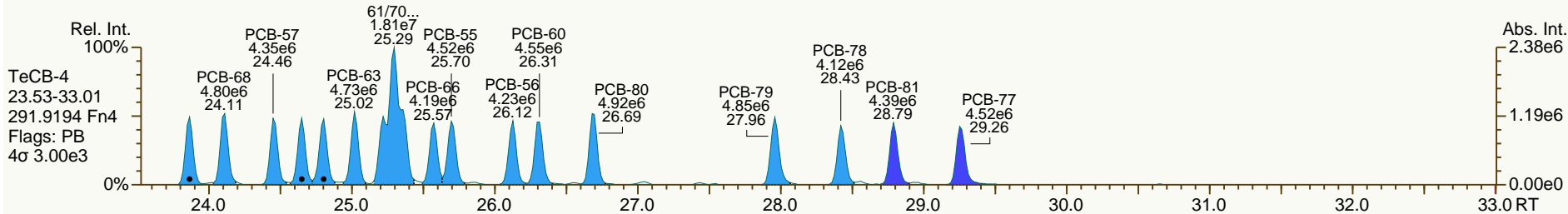
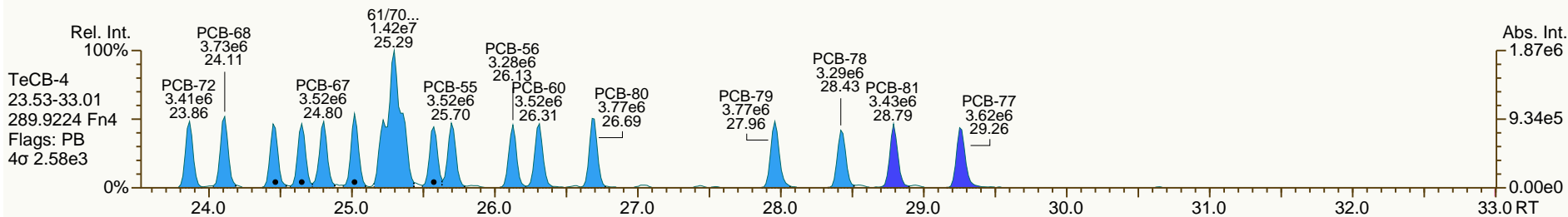
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AP Lab ID: CS3_120705_PCB_SB
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Sample ID: M1668-RETCON S40-51
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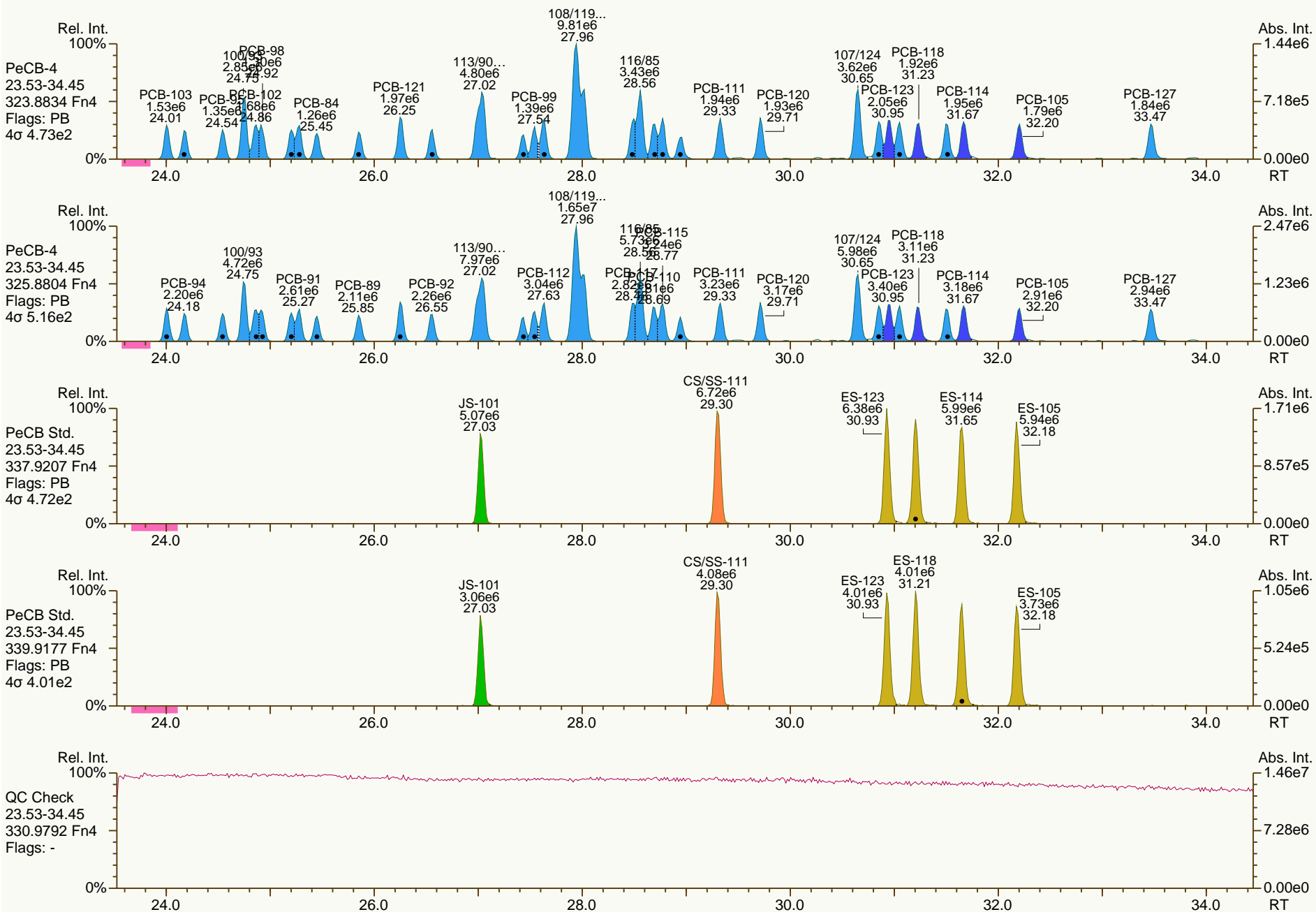
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AP Lab ID: CS3_120705_PCB_SB
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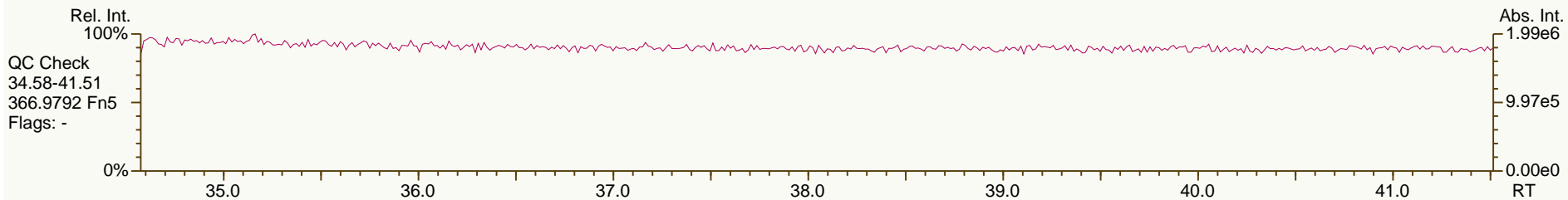
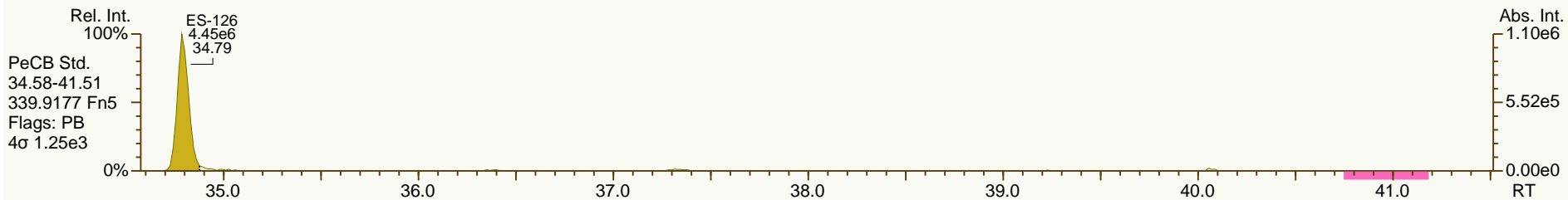
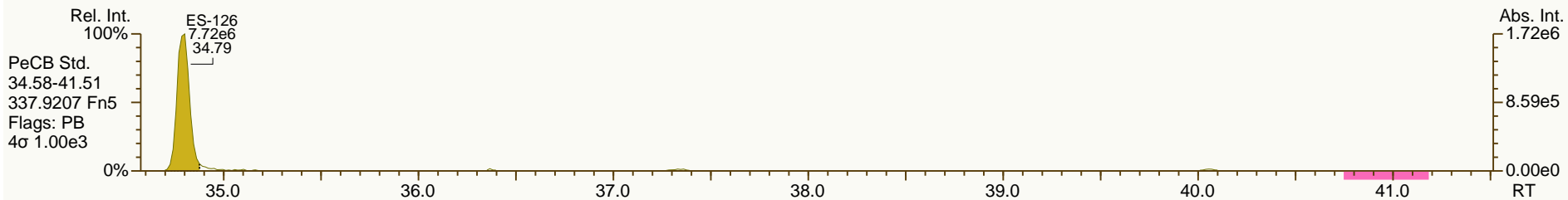
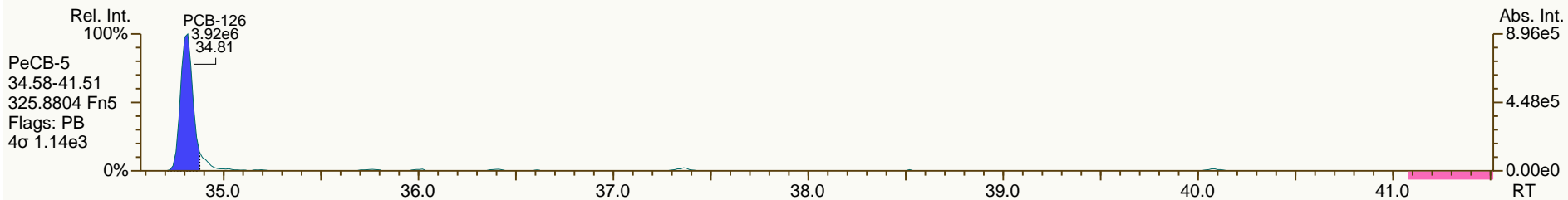
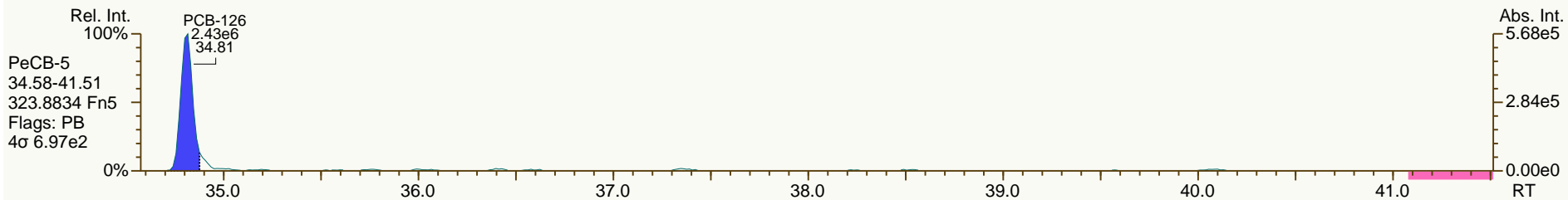
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

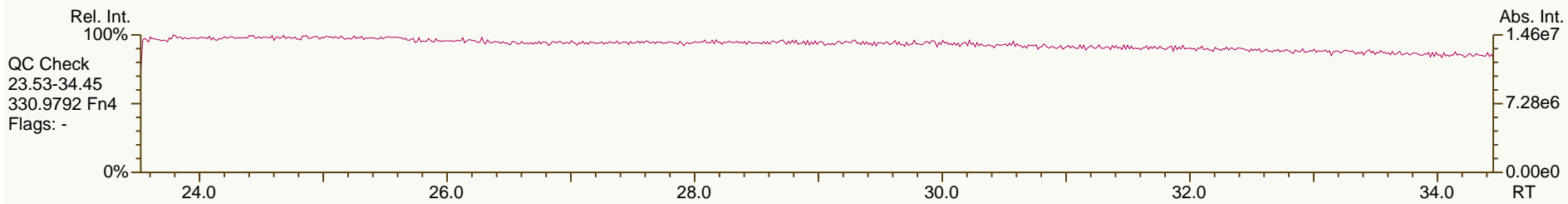
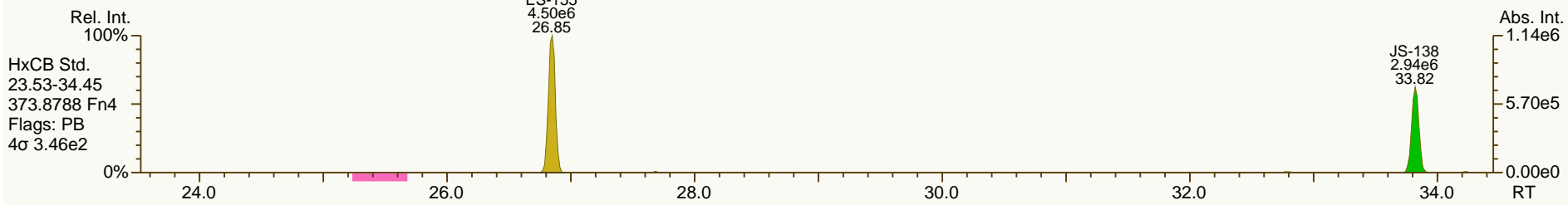
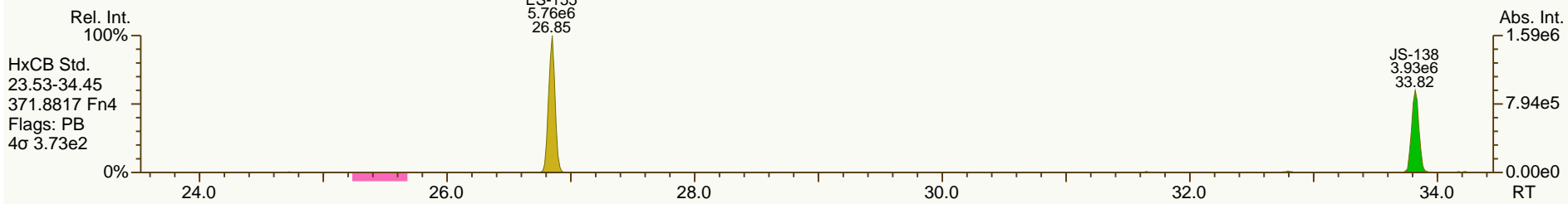
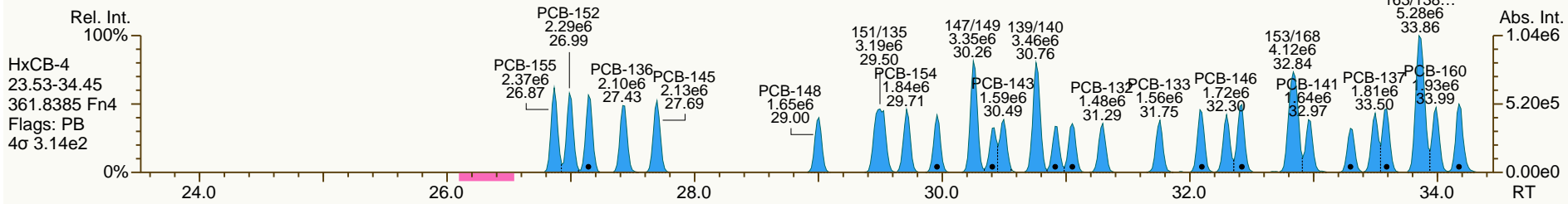
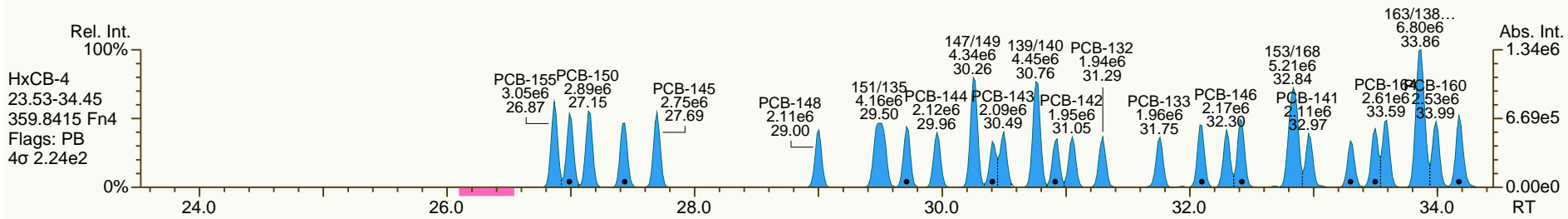
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

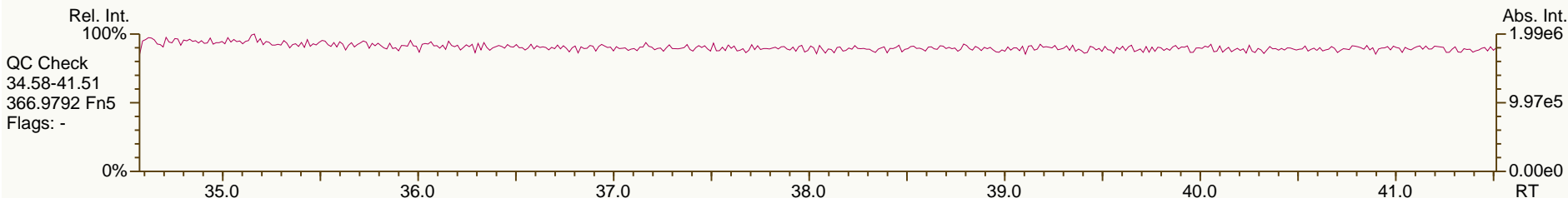
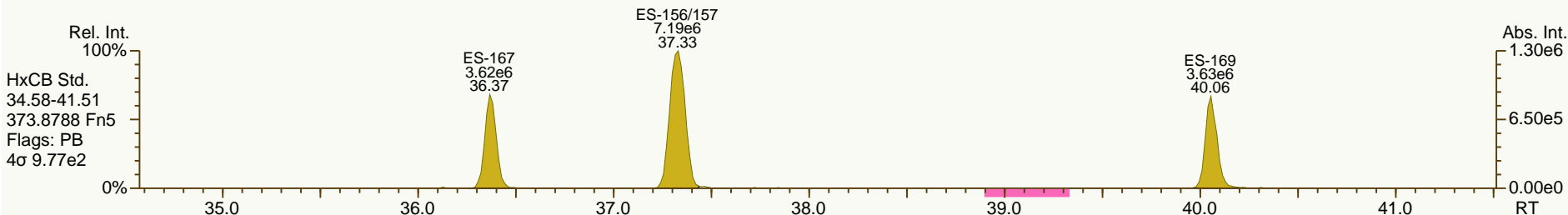
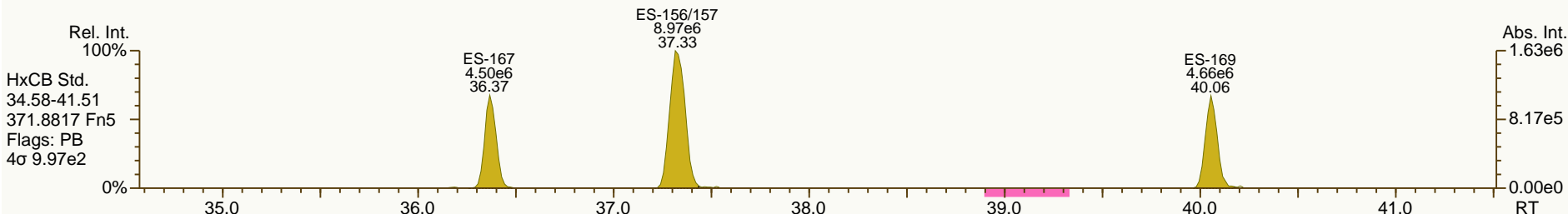
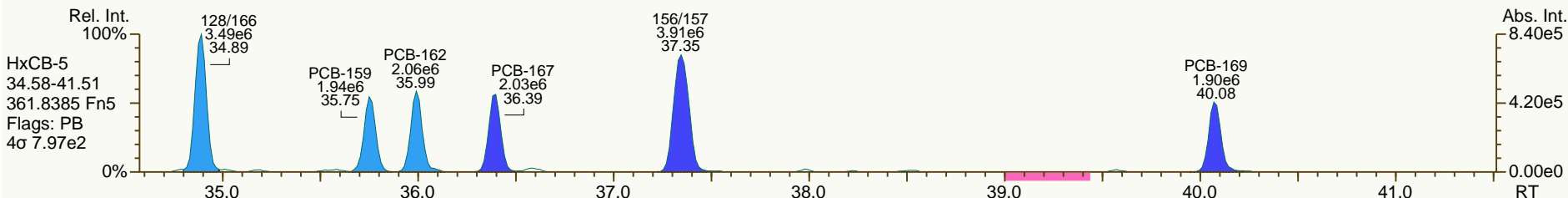
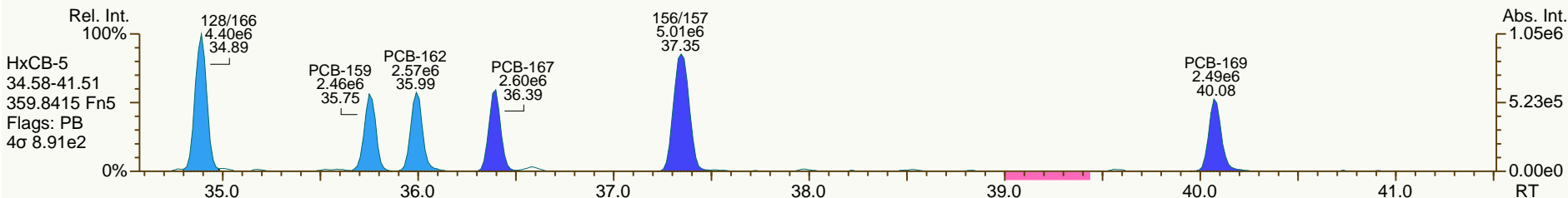
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

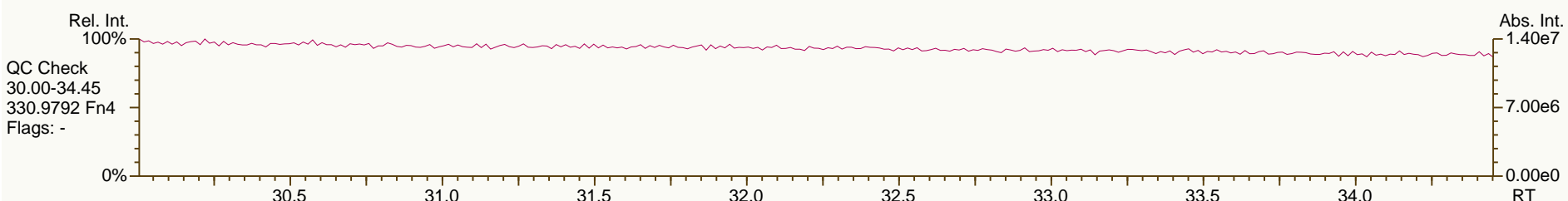
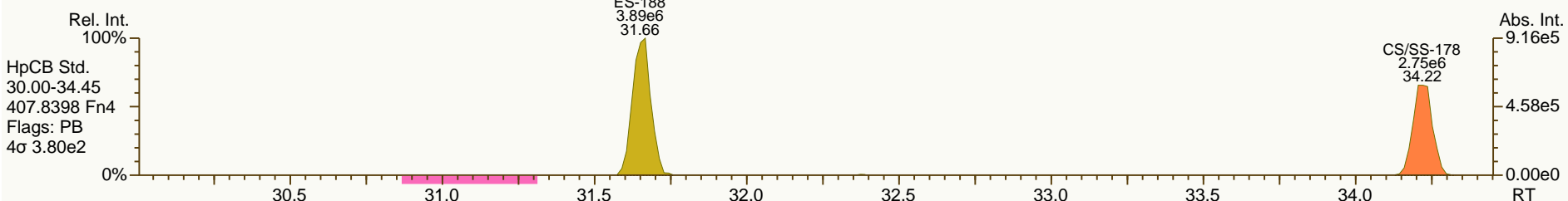
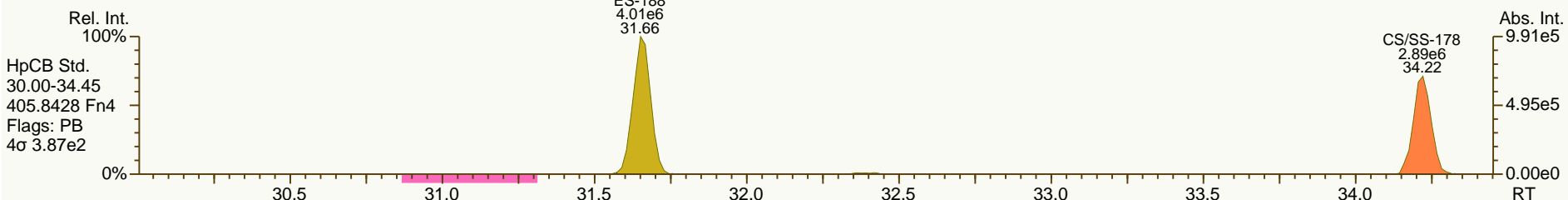
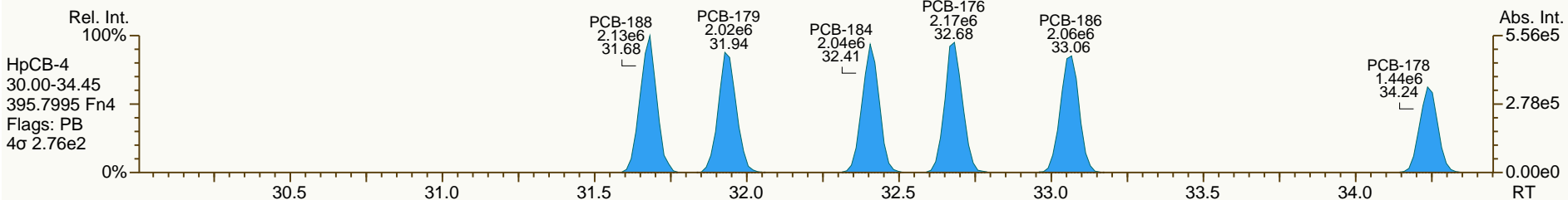
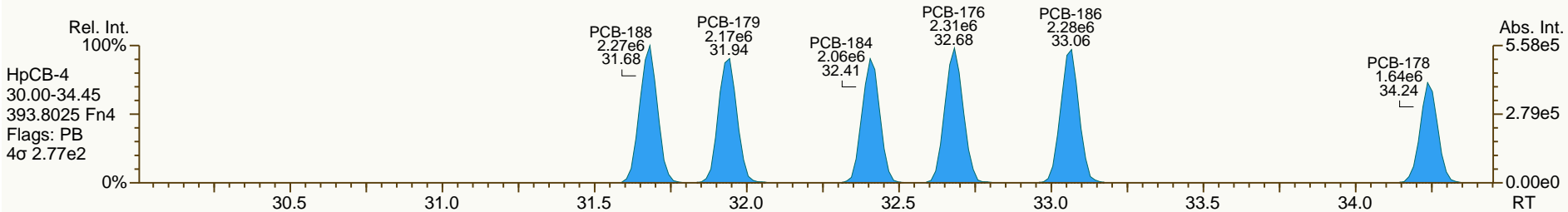
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

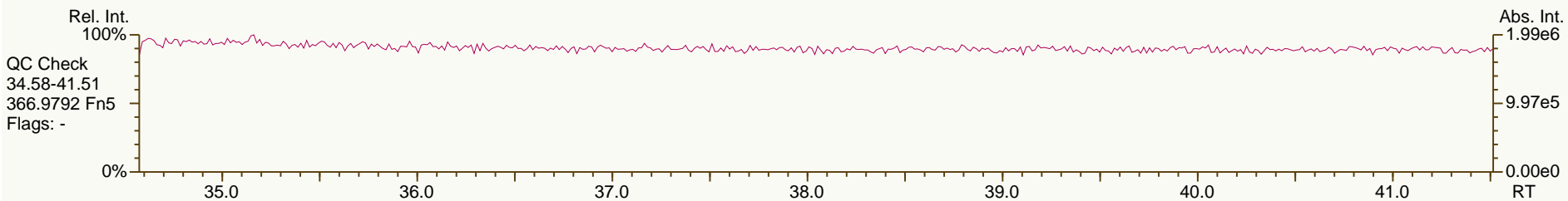
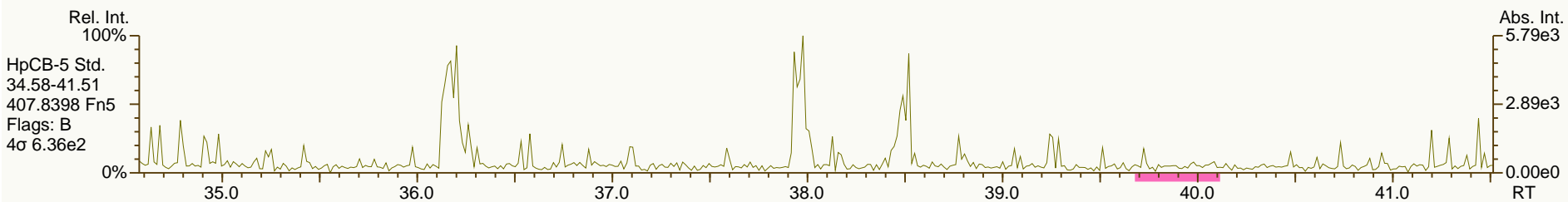
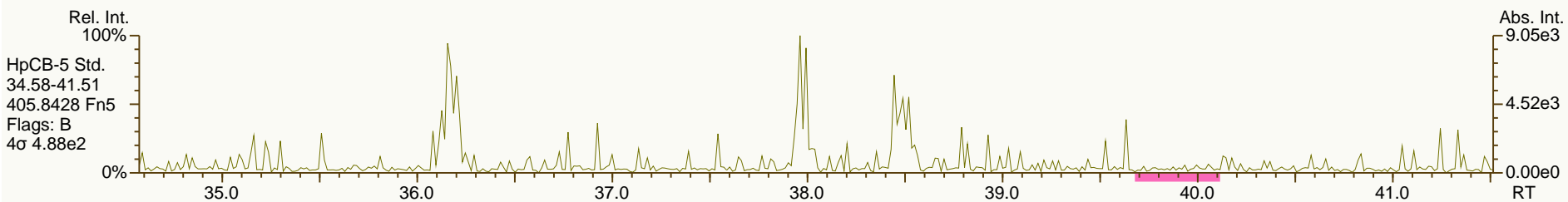
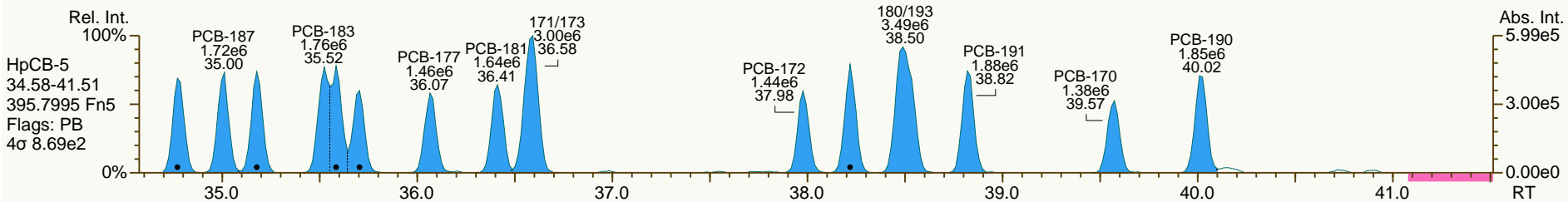
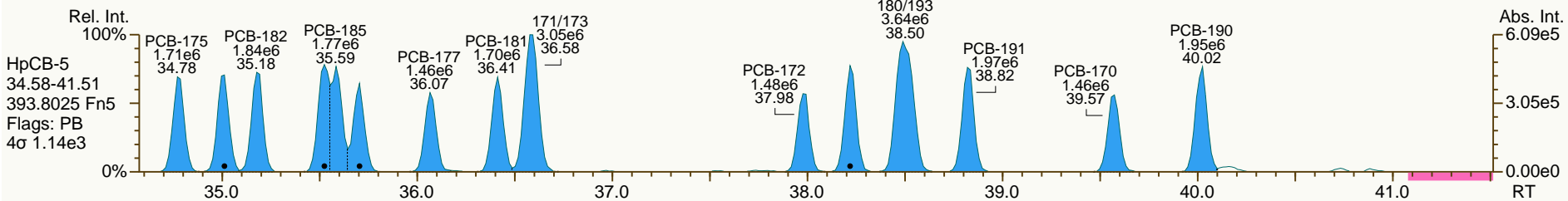
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

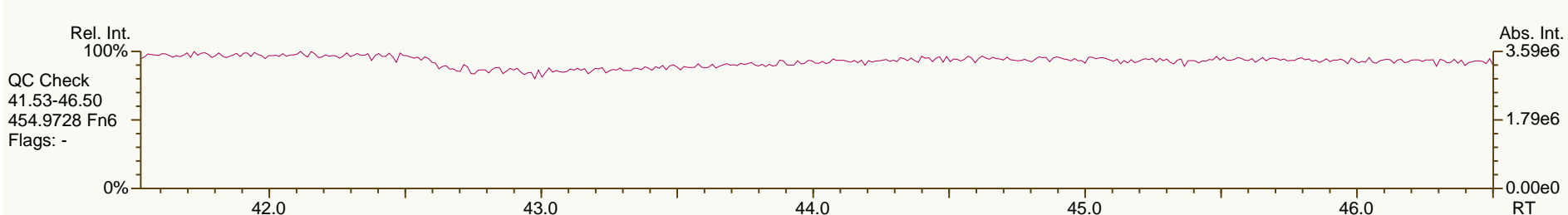
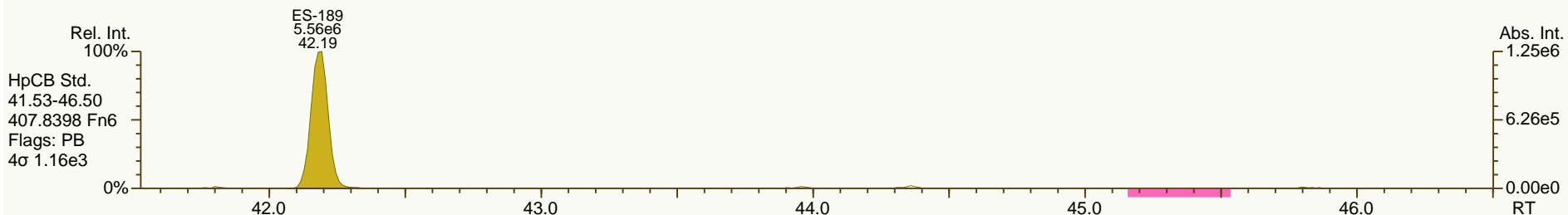
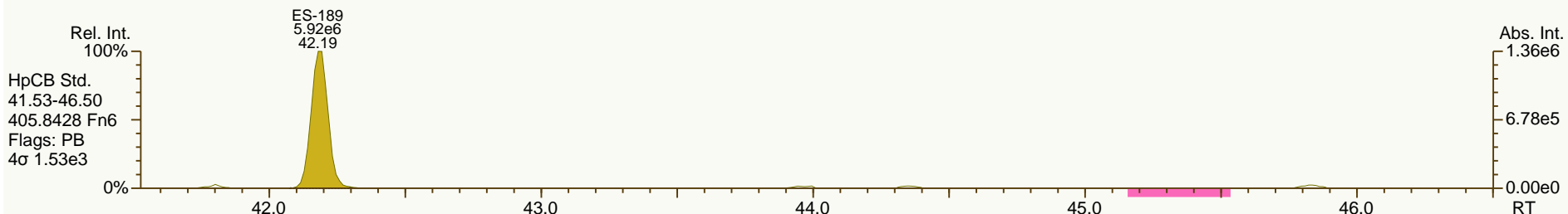
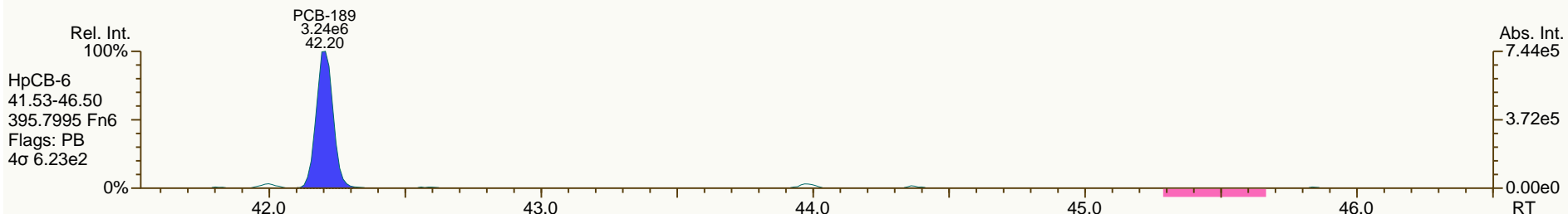
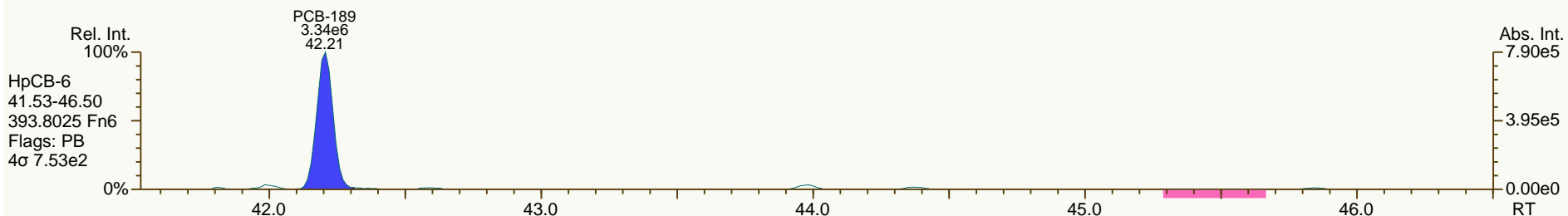
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
 User: LKB Datafile: 120705S10



AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

Acq: 05-Jul-2012 20:06:24
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
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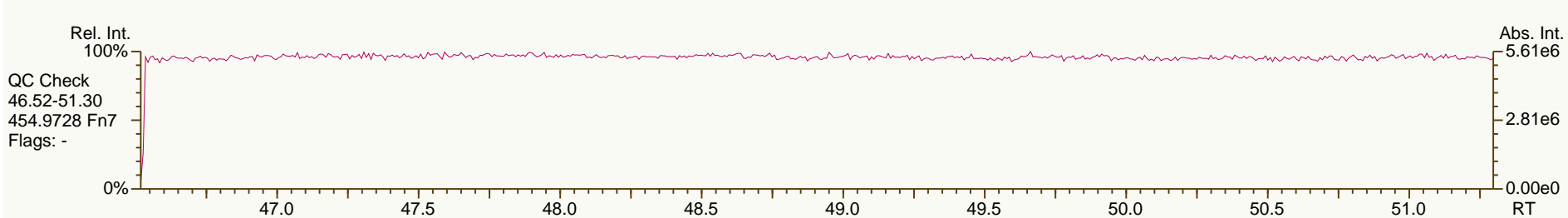
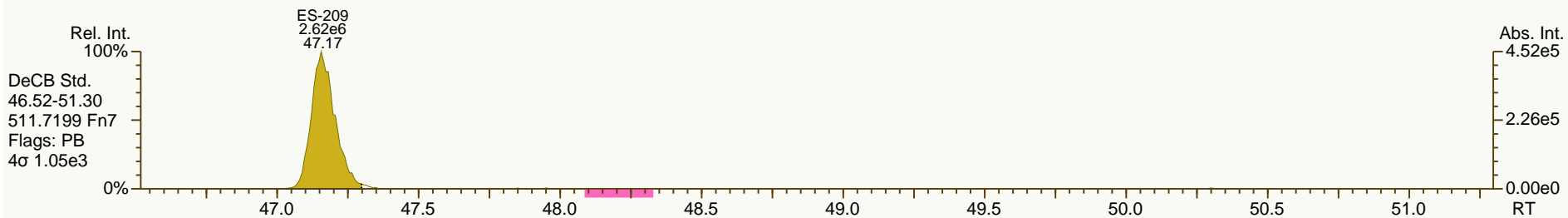
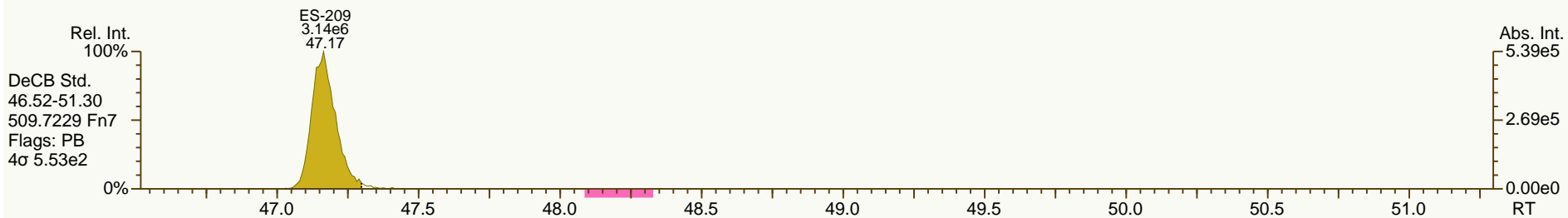
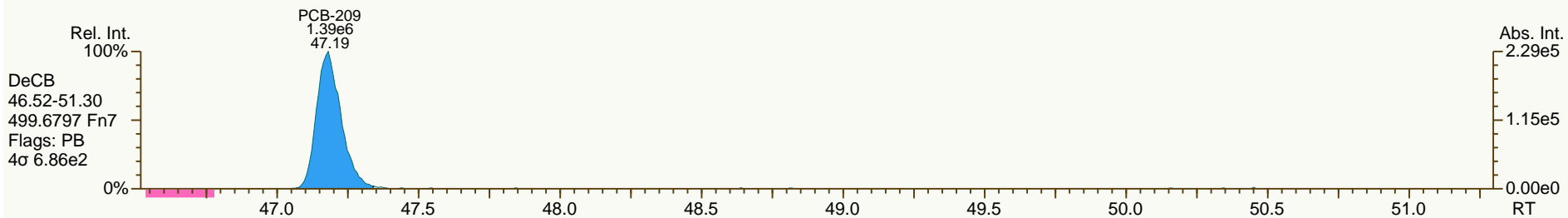
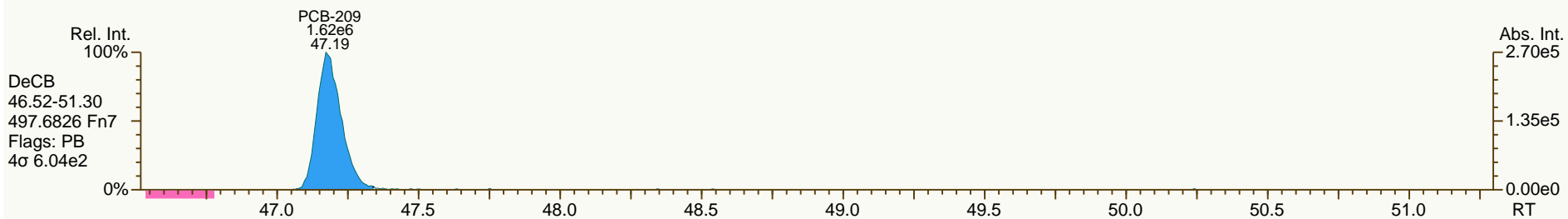
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCO S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

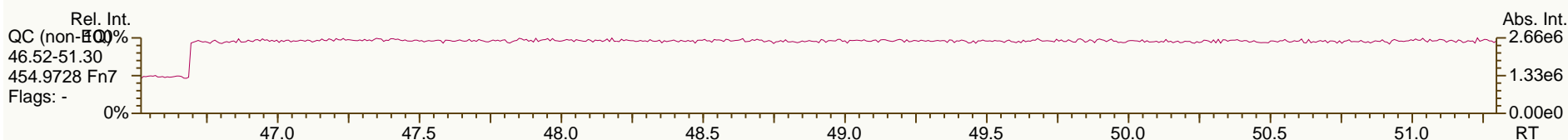
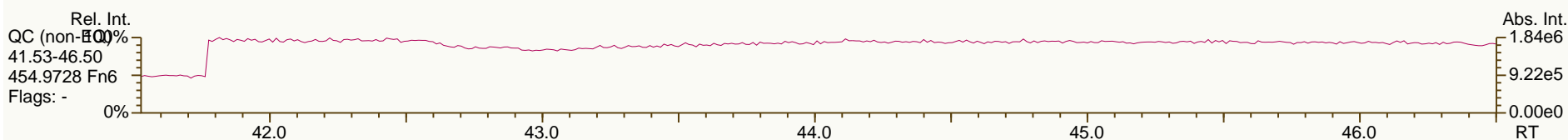
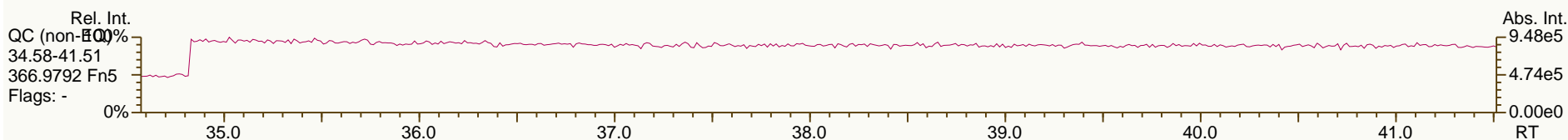
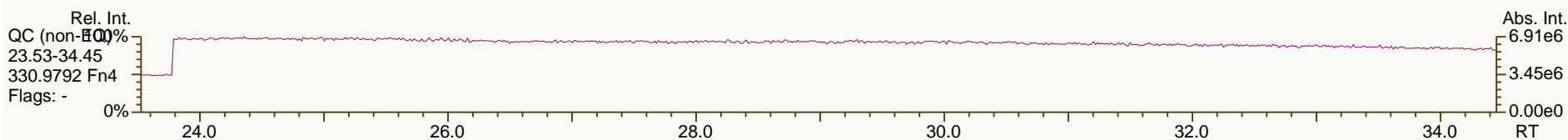
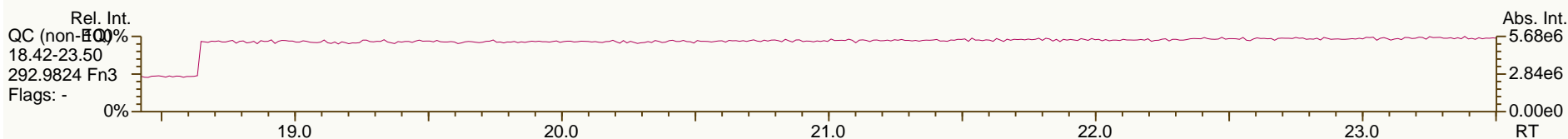
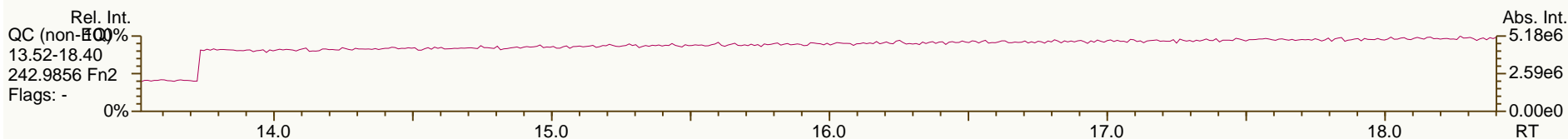
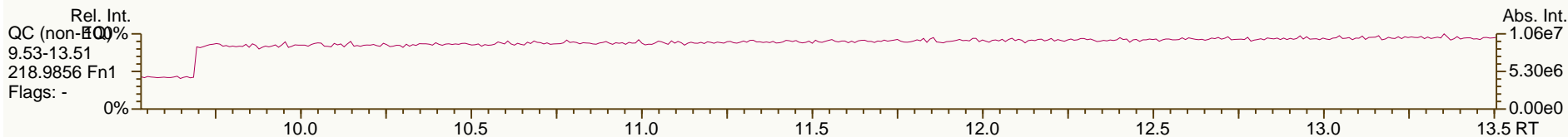
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AP Lab ID: CS3_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: M1668-RETCON S40-51
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 15

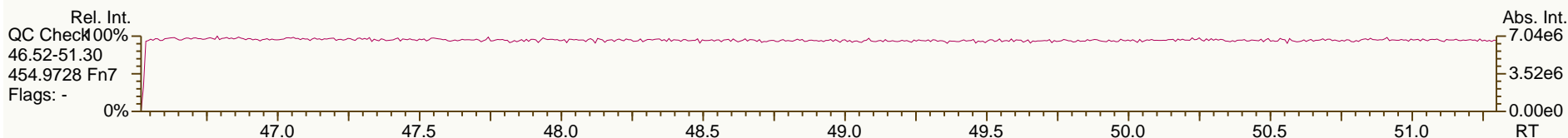
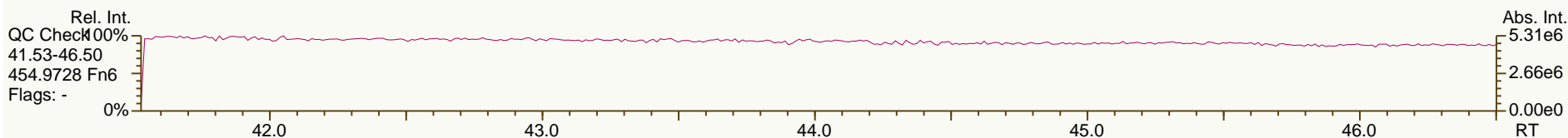
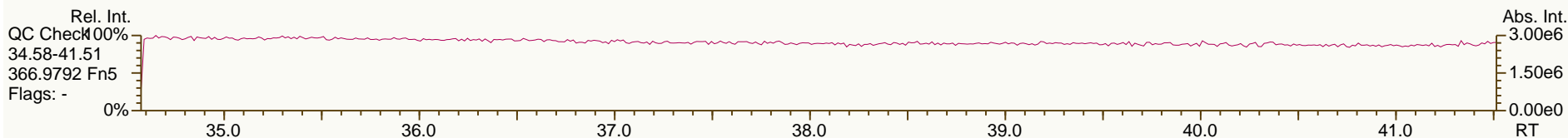
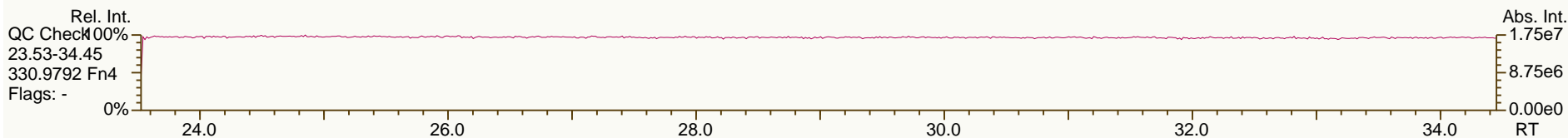
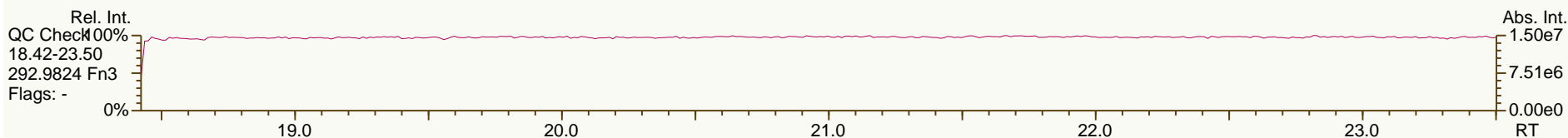
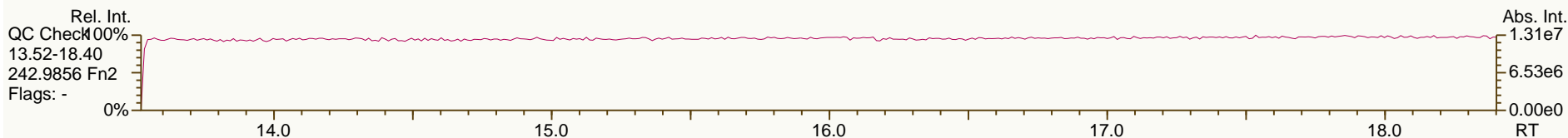
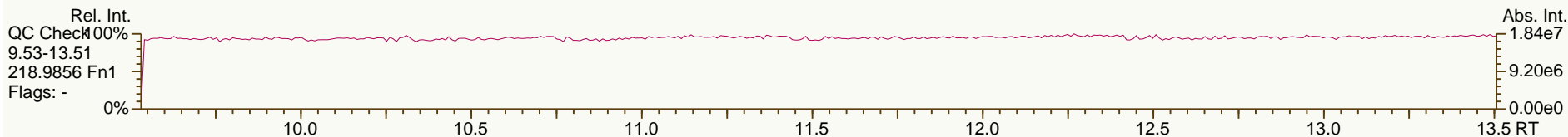
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

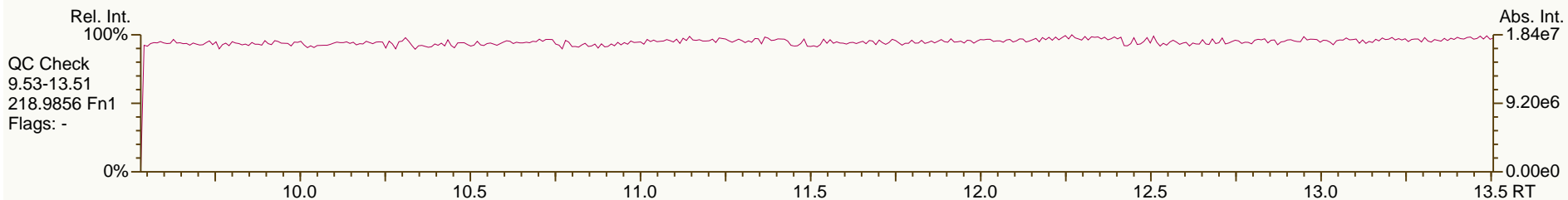
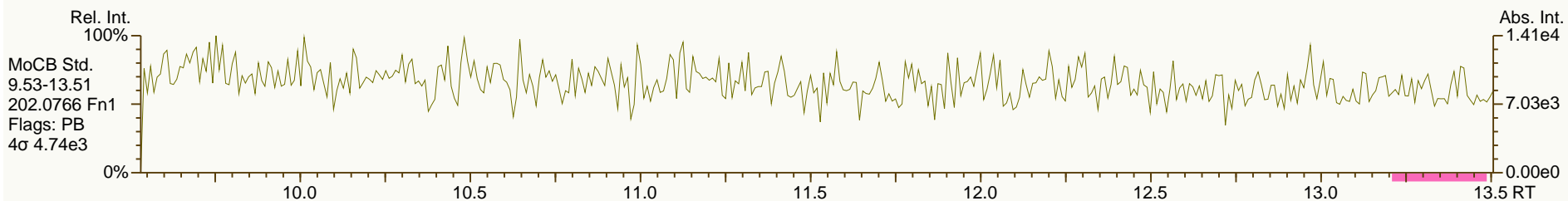
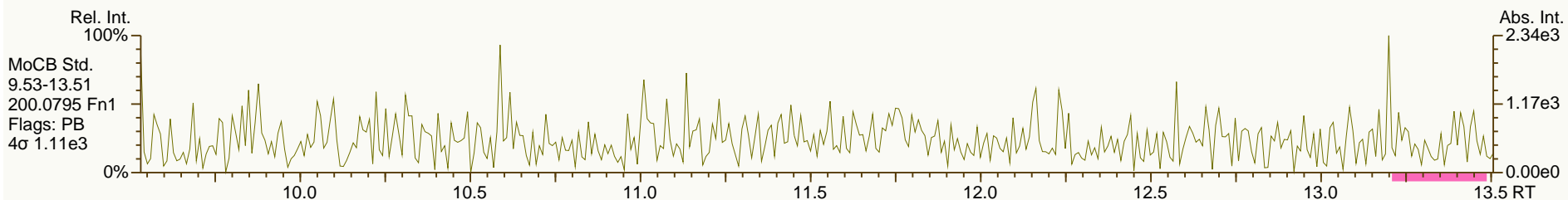
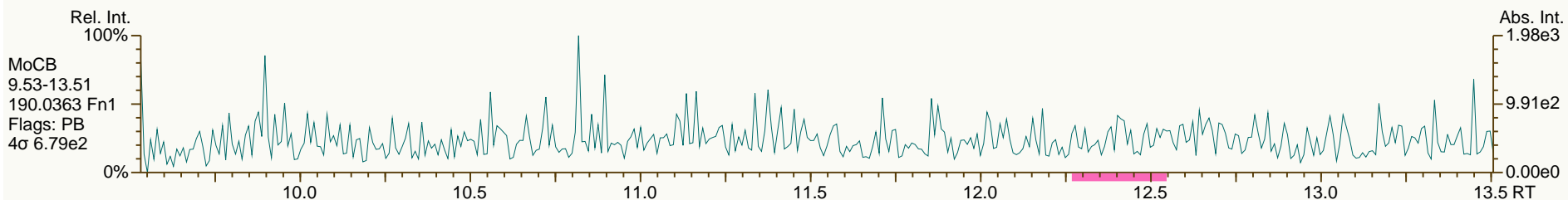
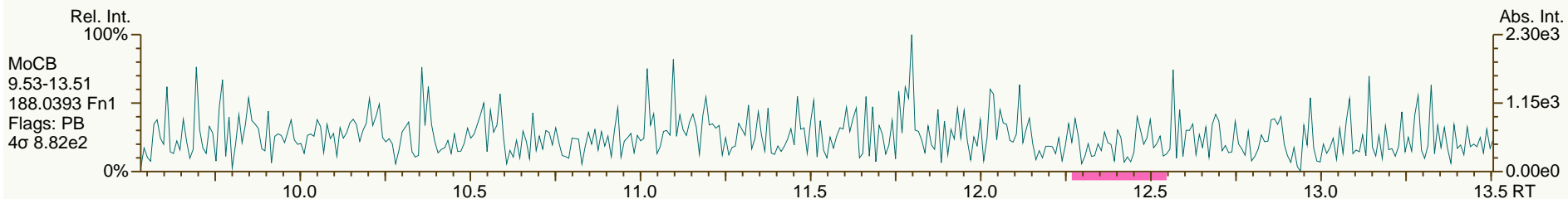
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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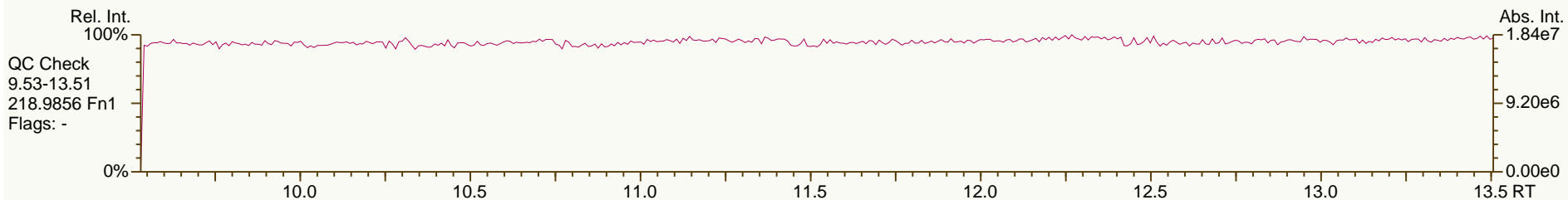
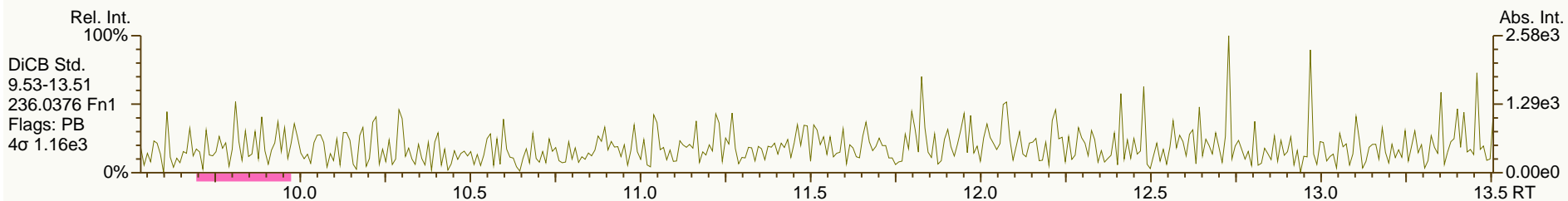
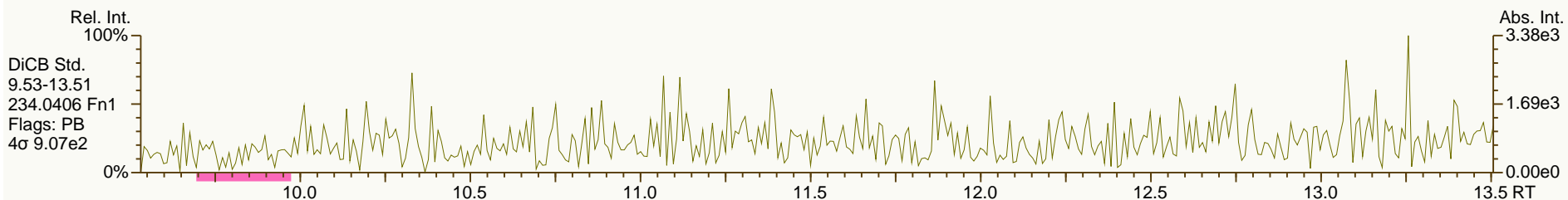
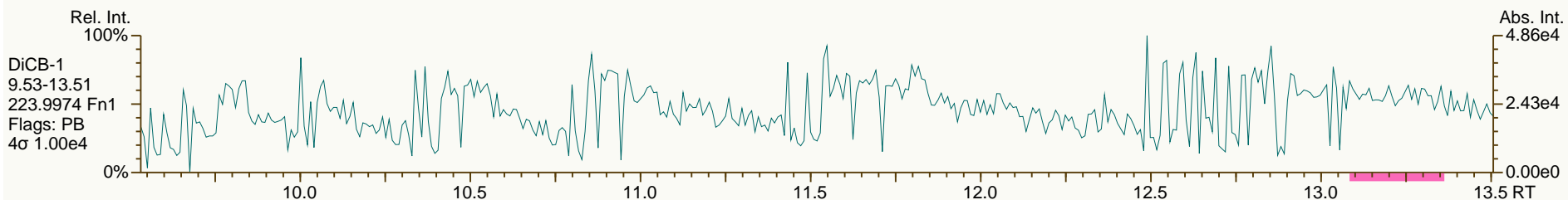
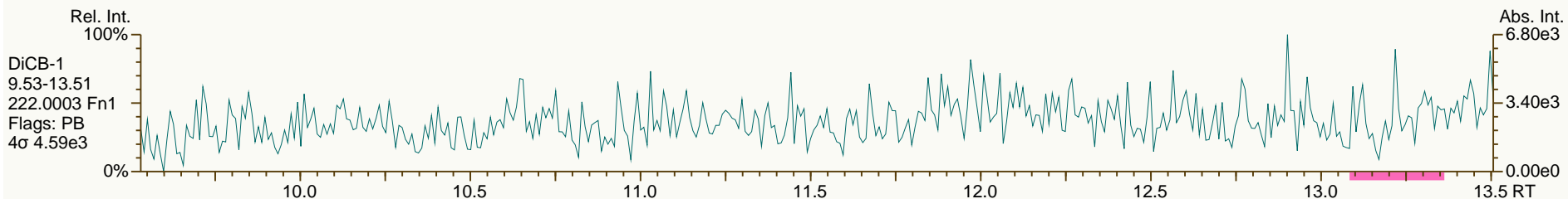
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

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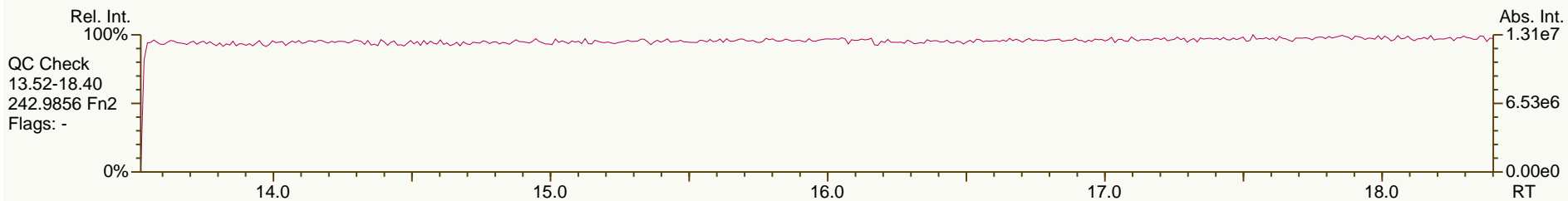
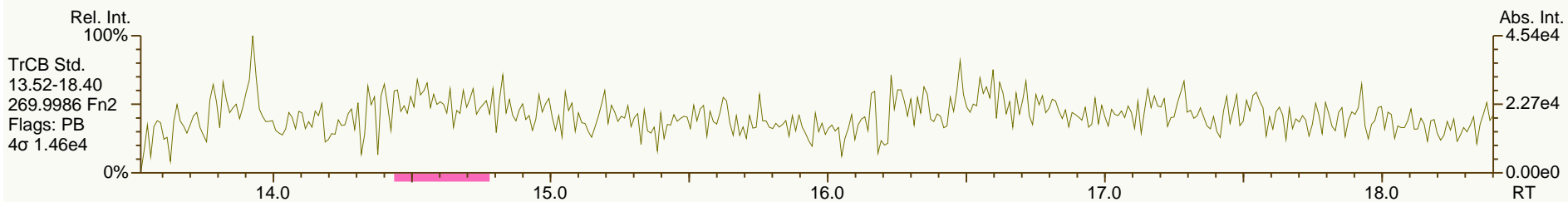
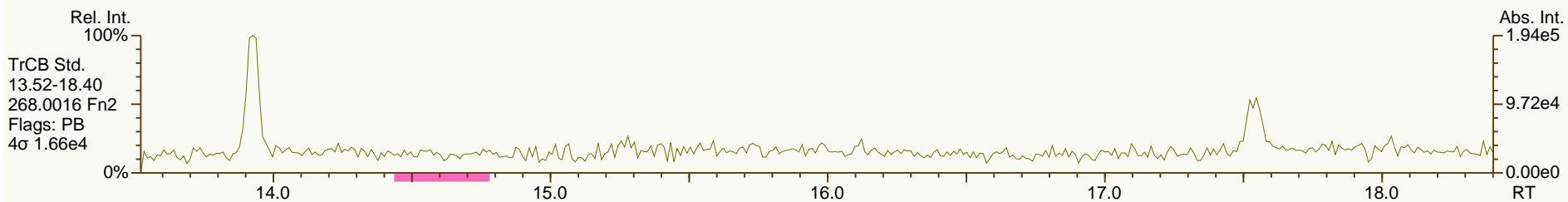
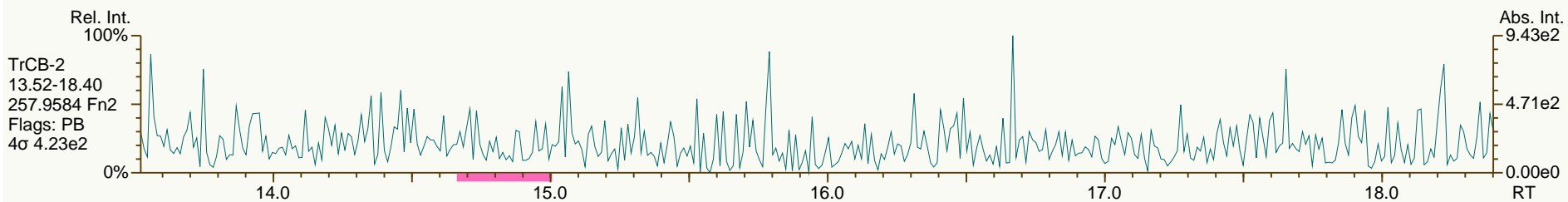
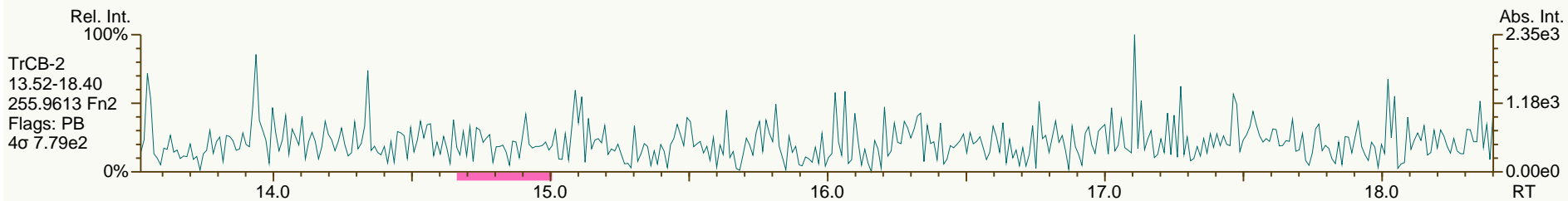
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

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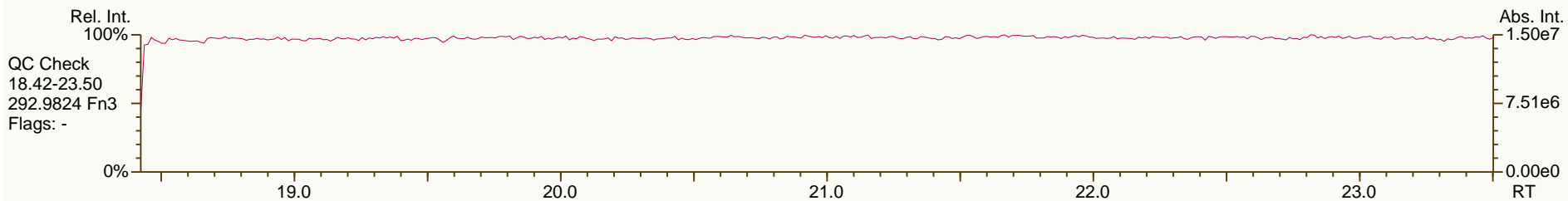
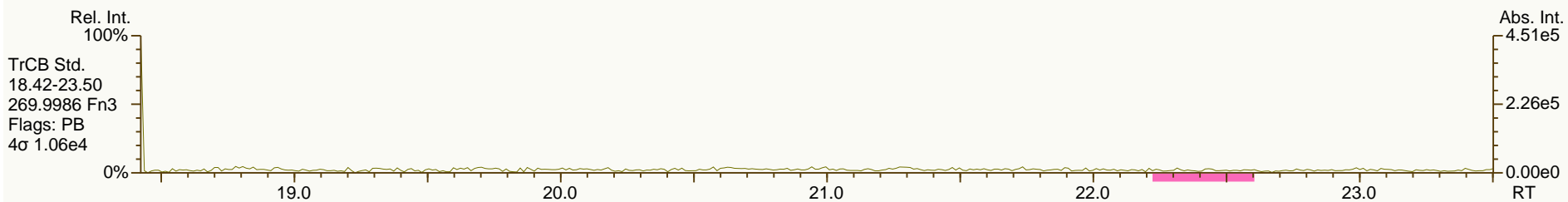
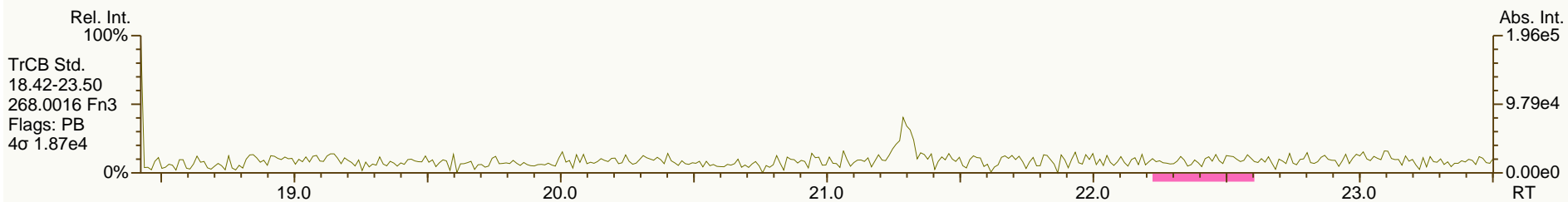
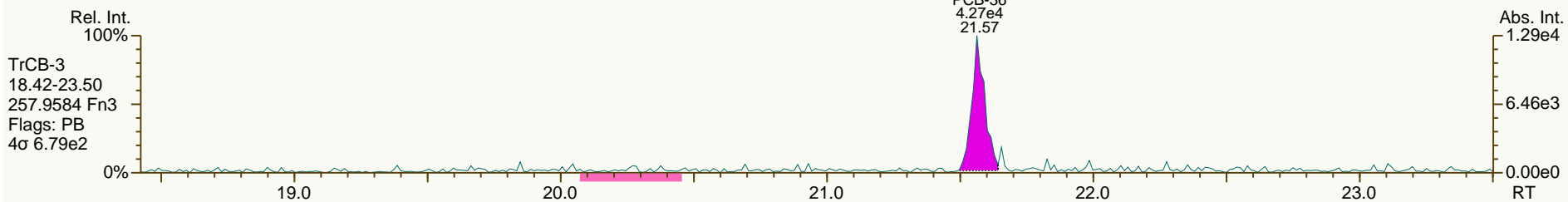
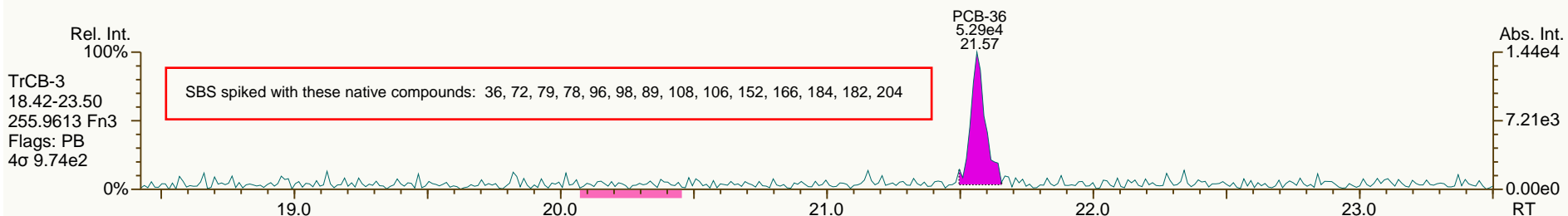
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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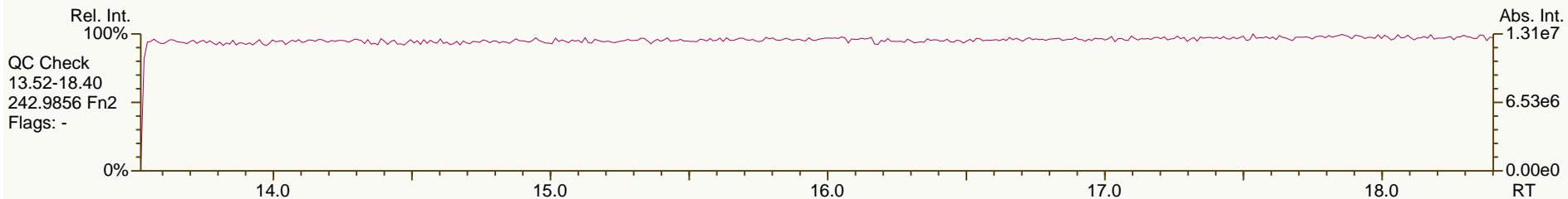
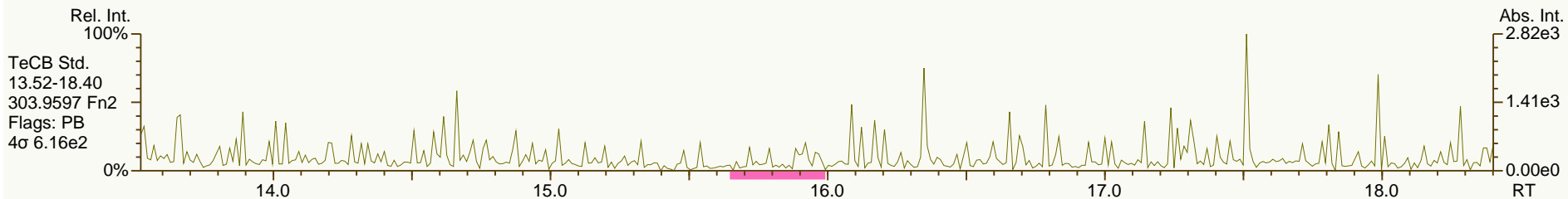
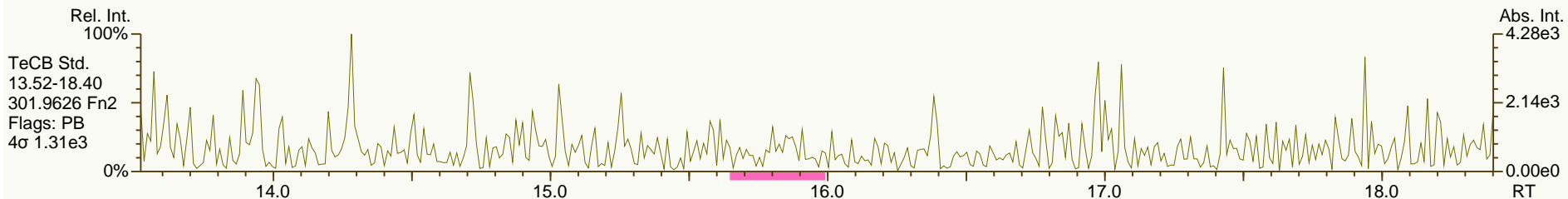
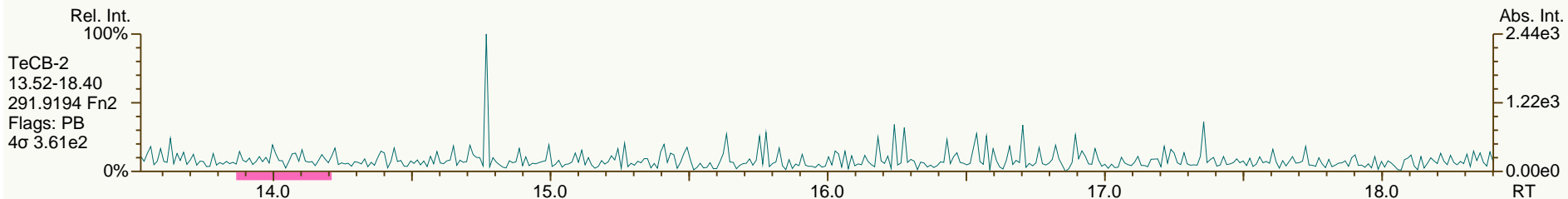
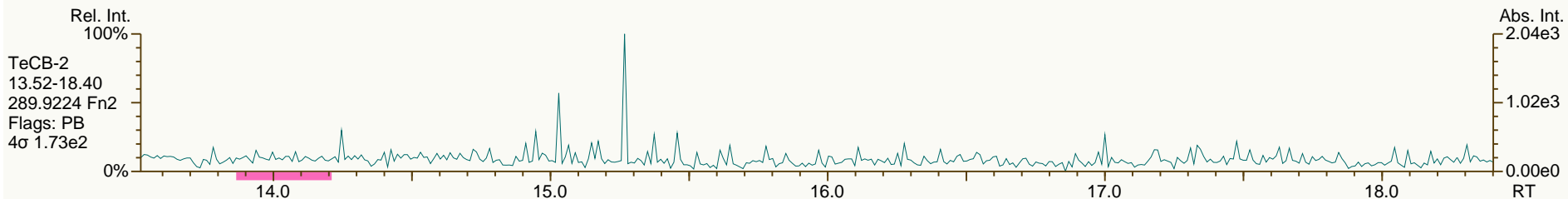
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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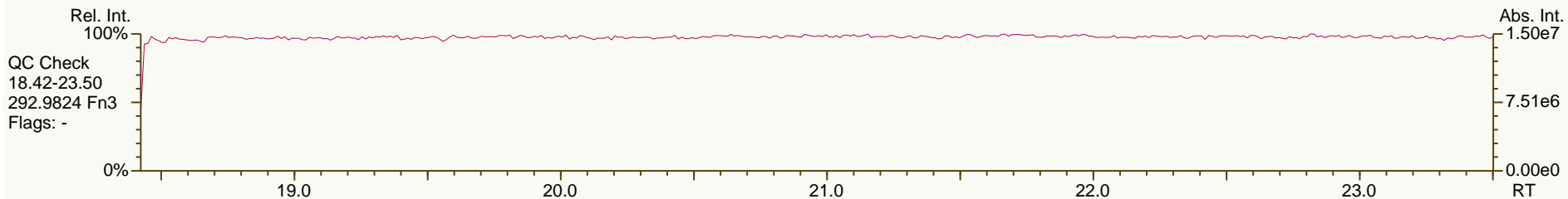
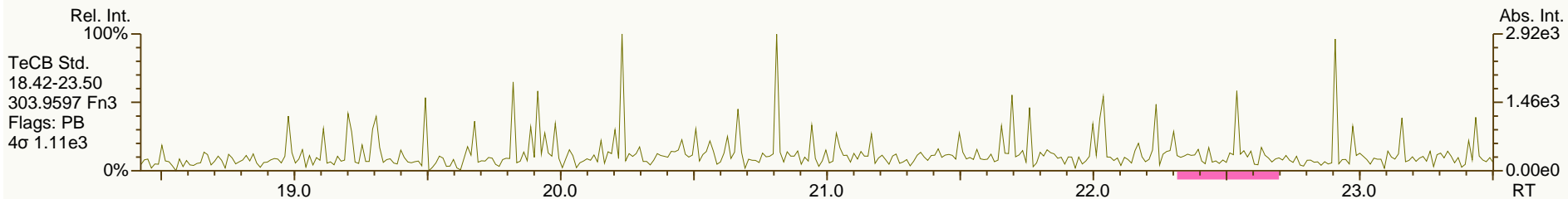
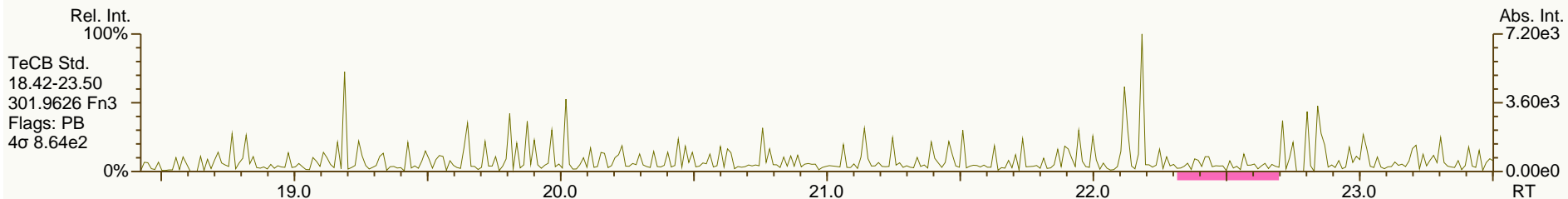
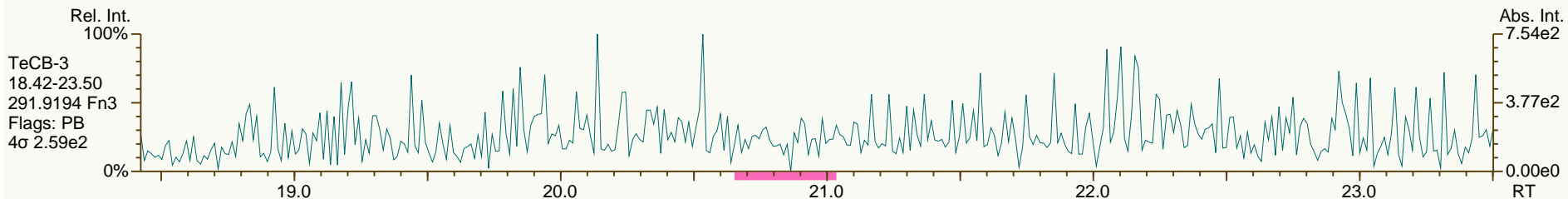
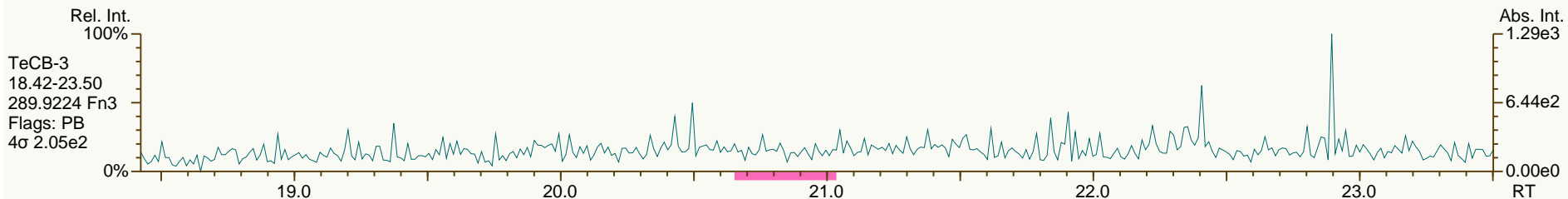
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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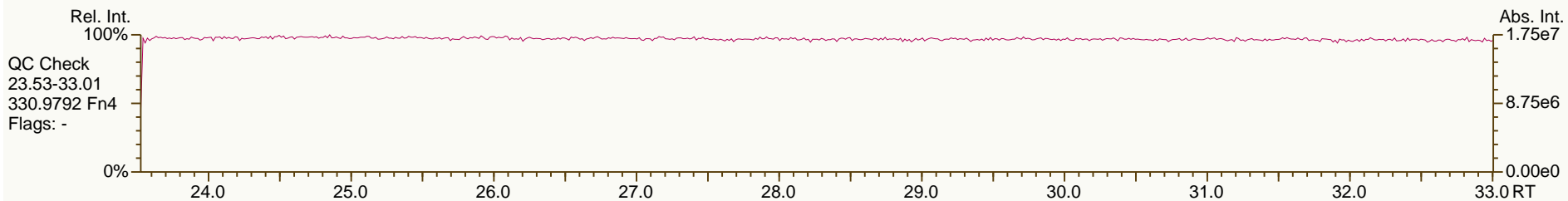
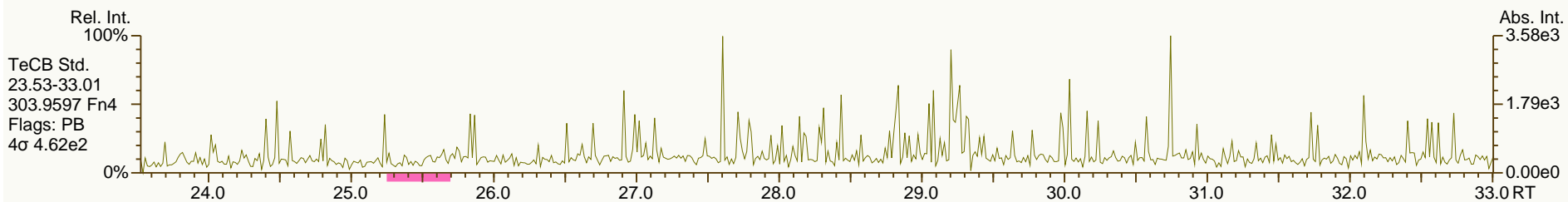
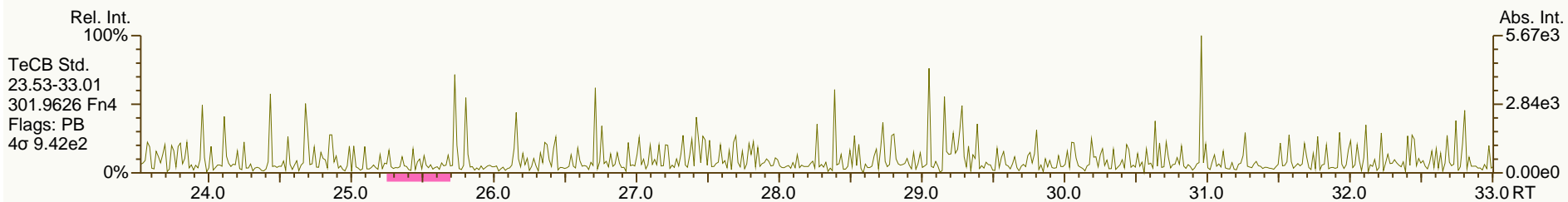
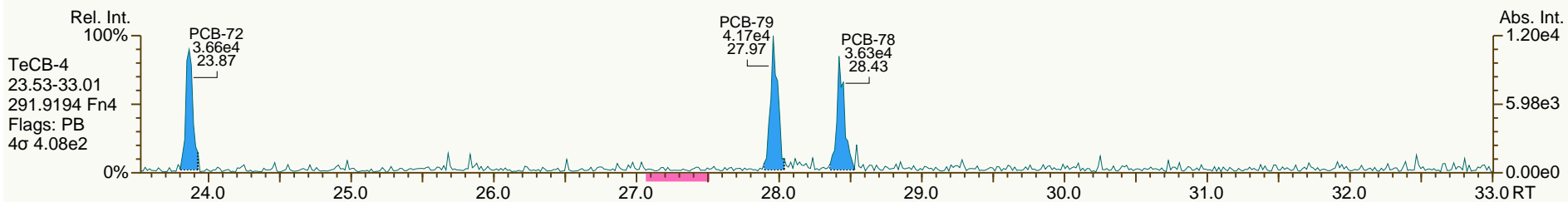
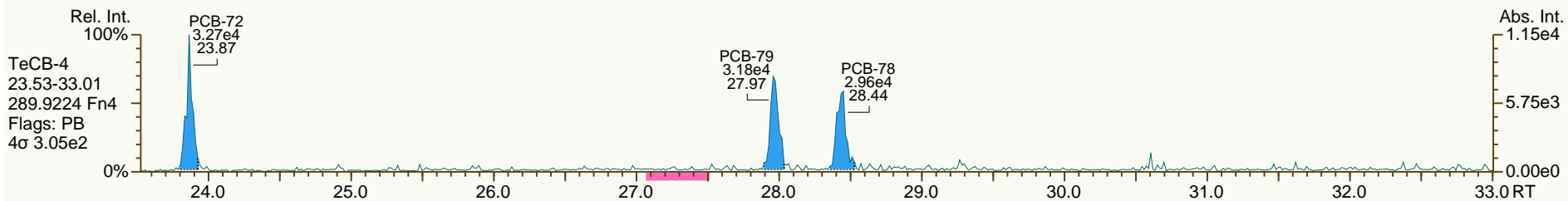
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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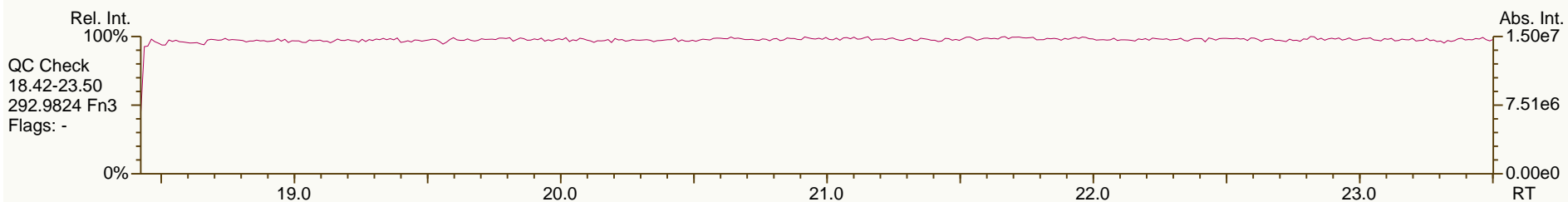
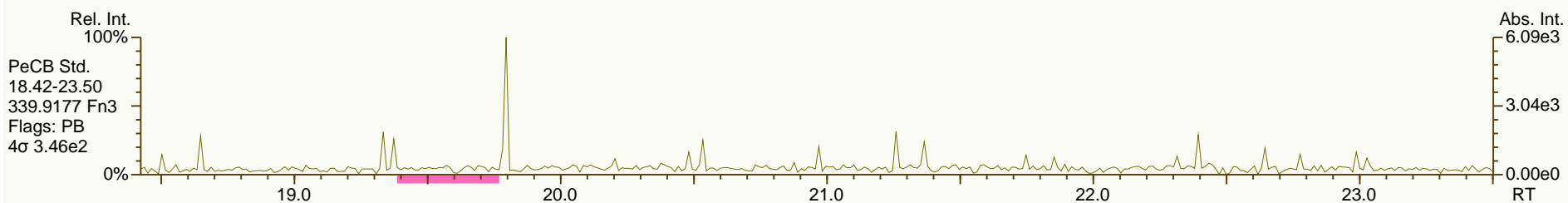
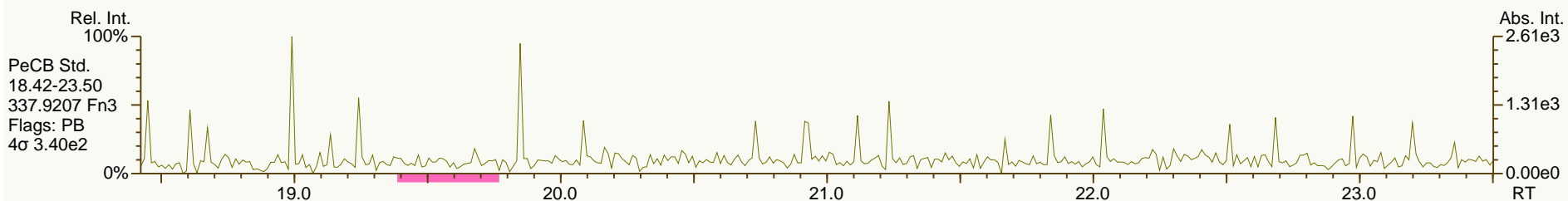
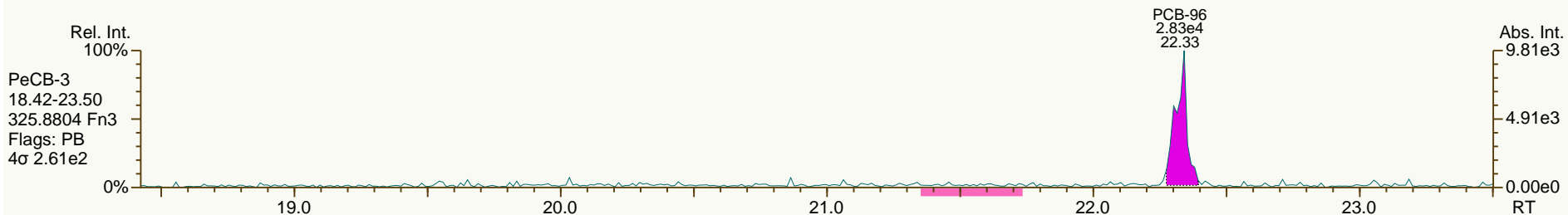
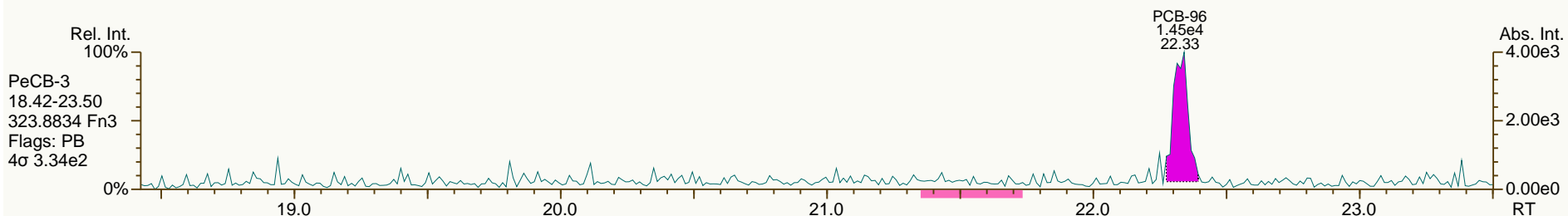
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

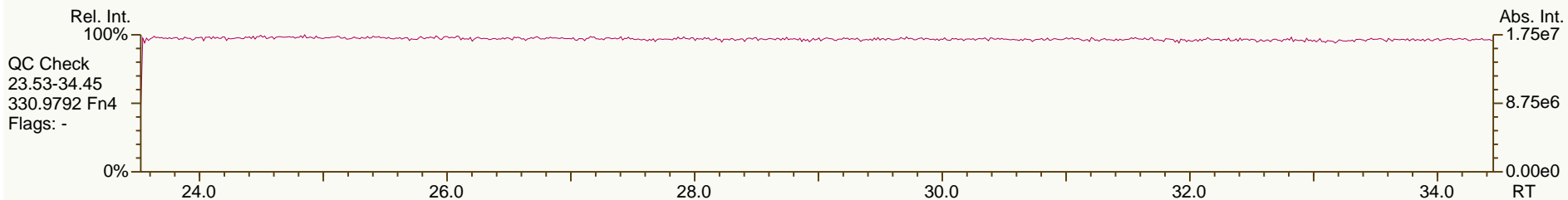
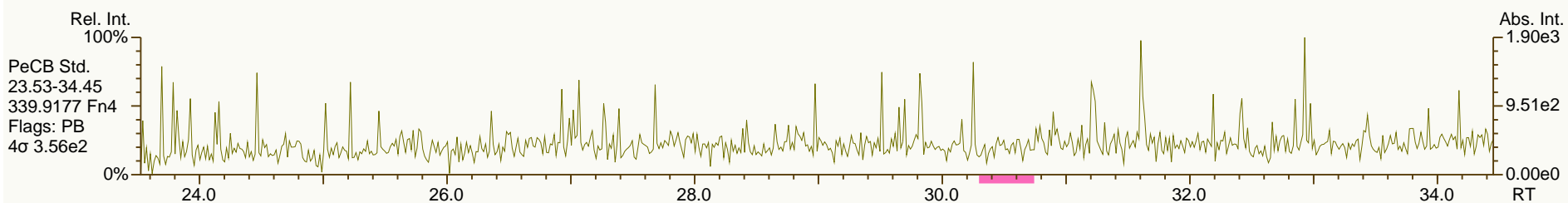
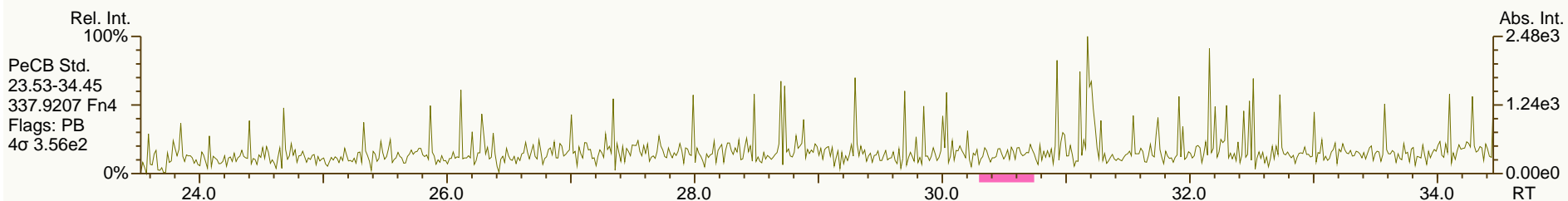
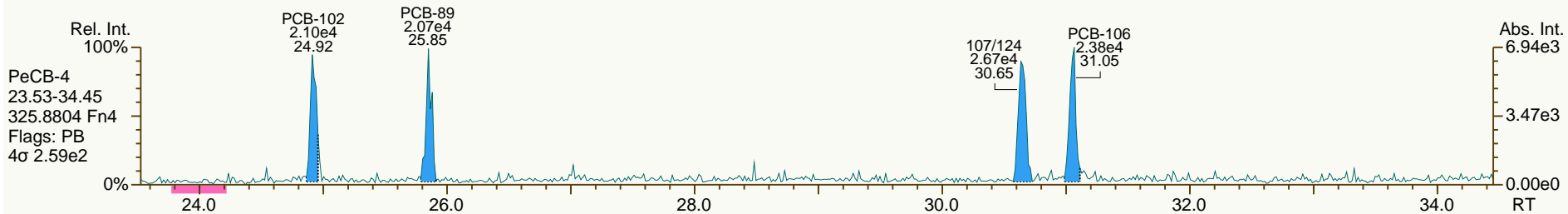
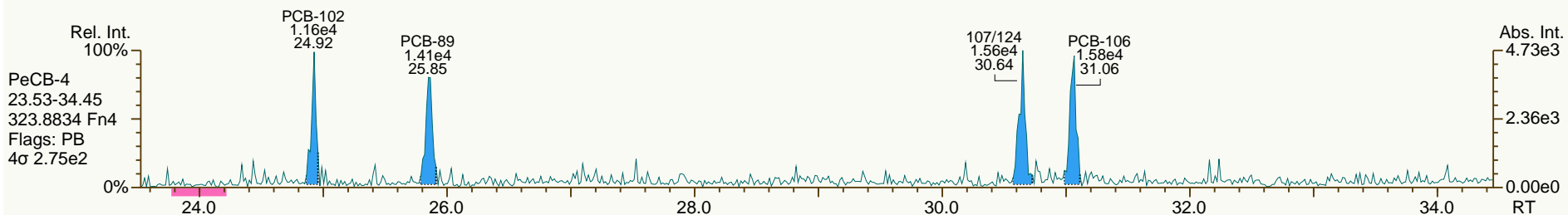
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

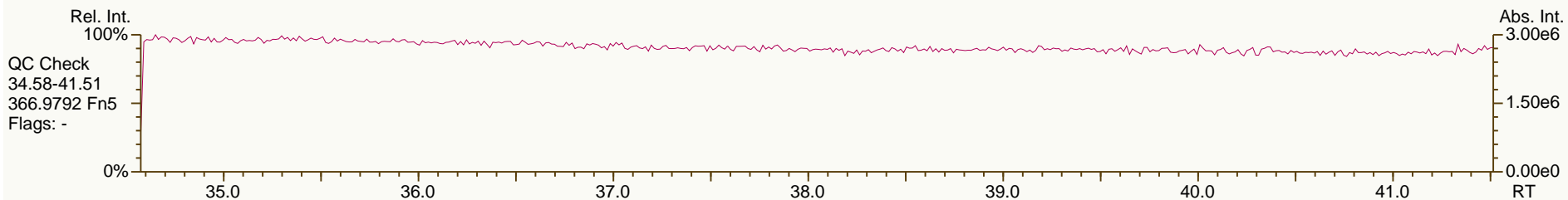
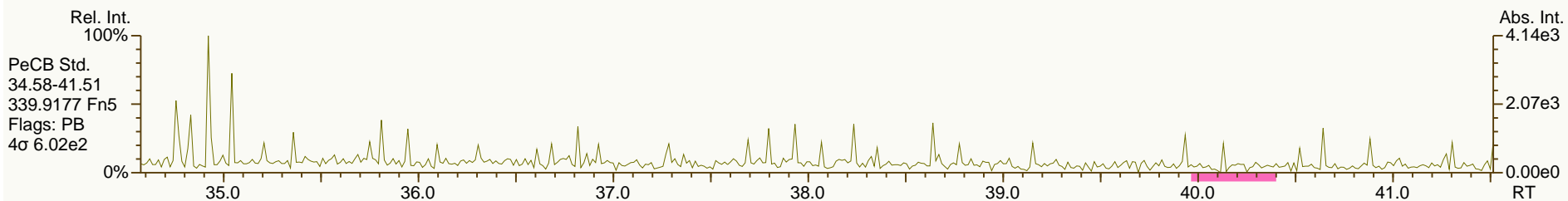
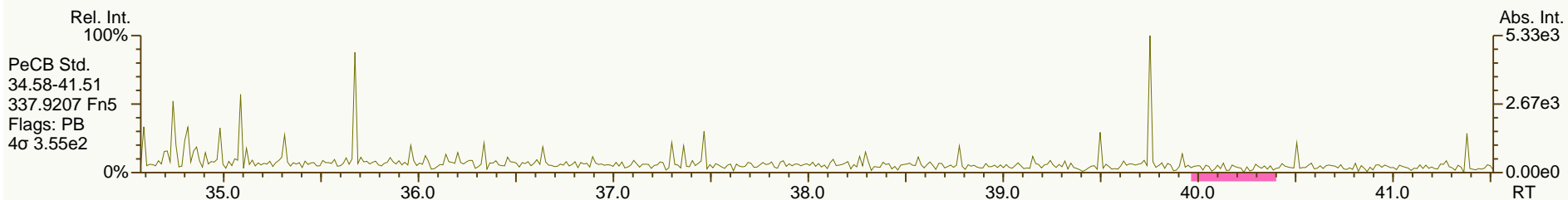
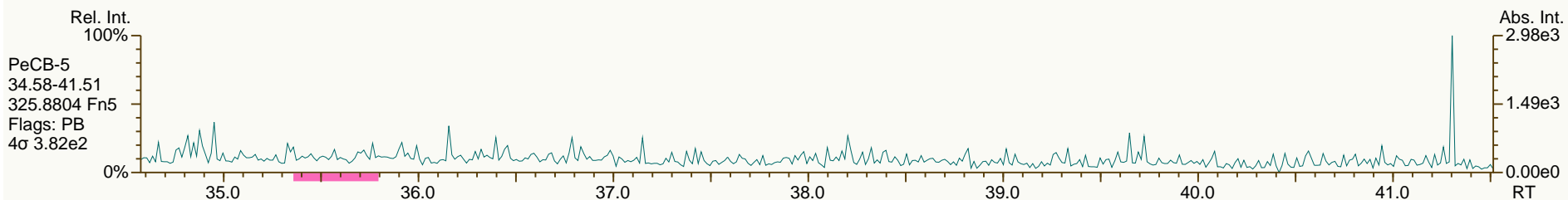
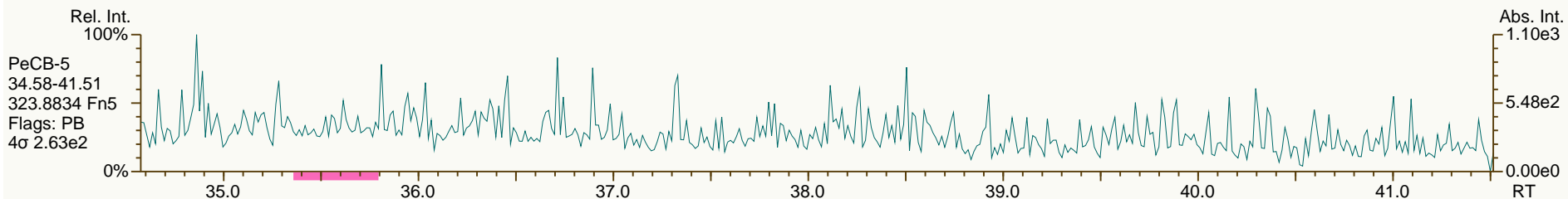
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

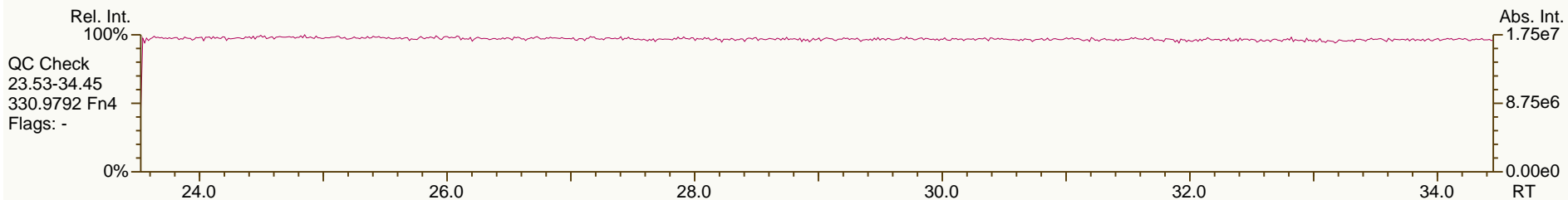
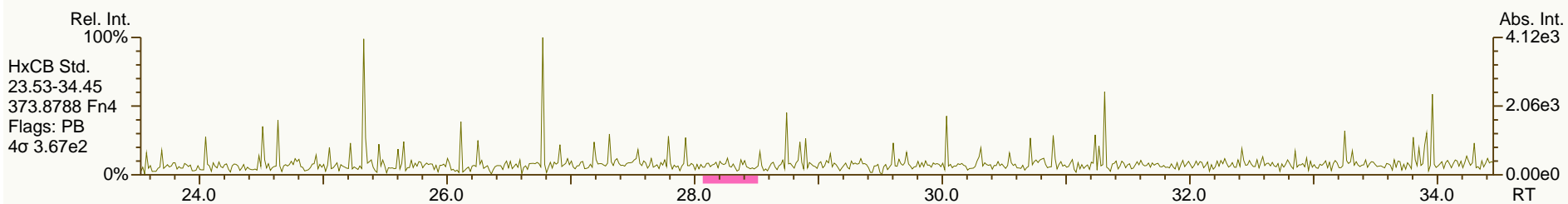
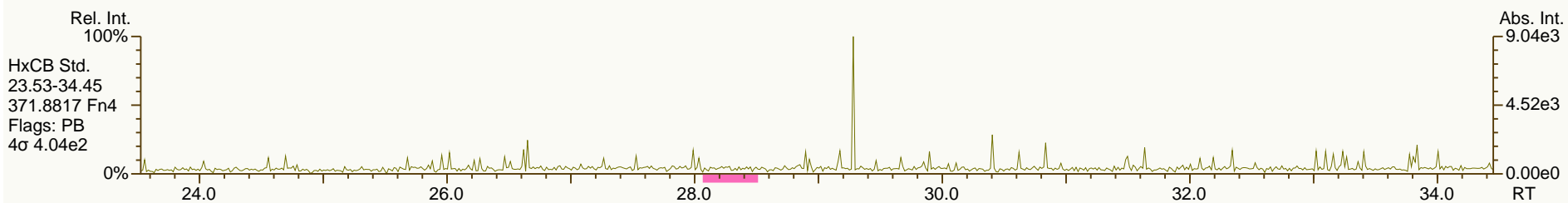
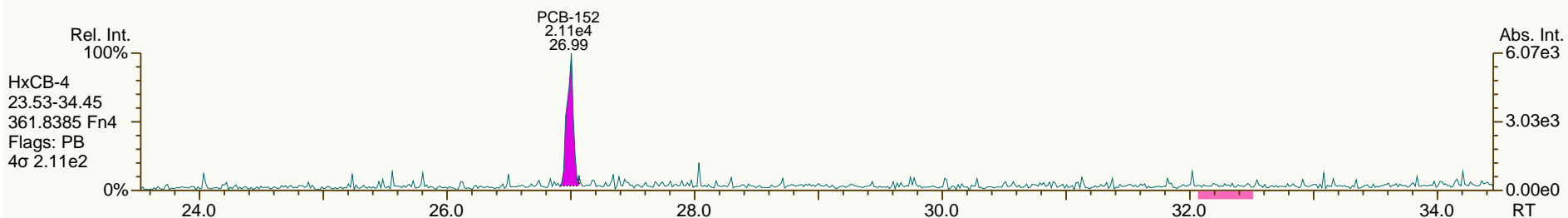
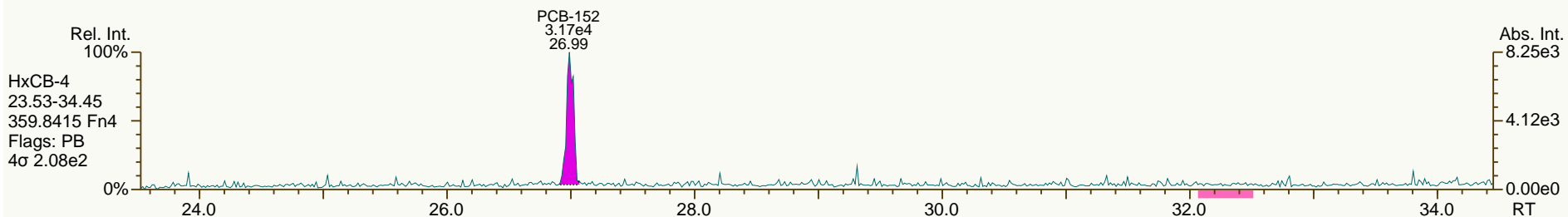
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

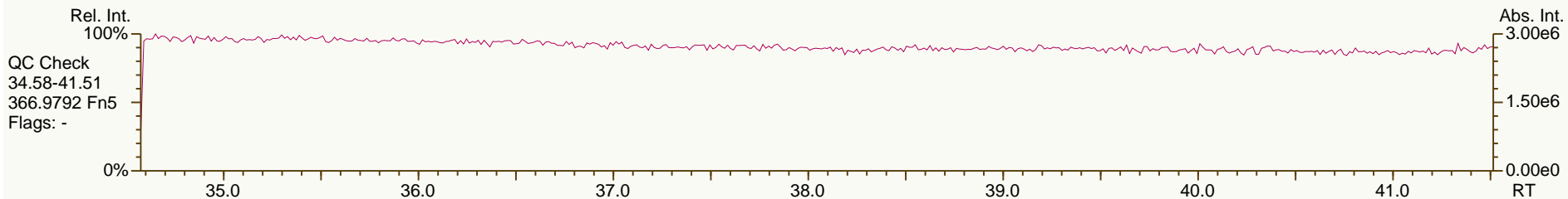
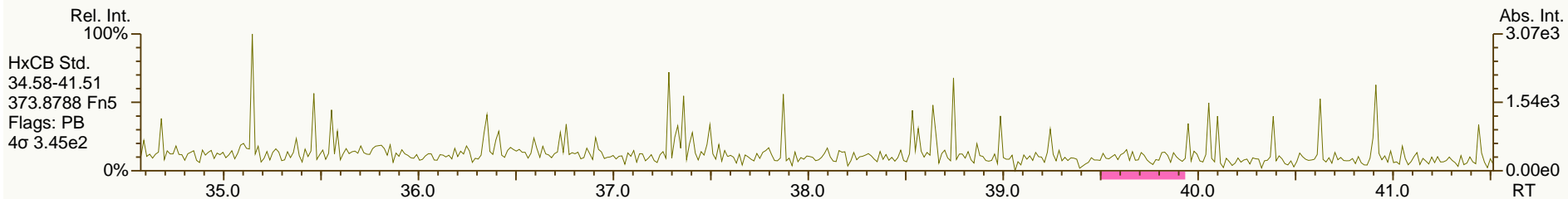
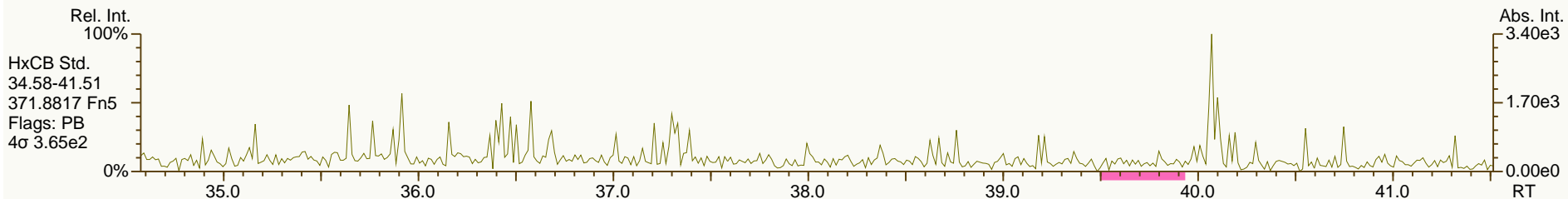
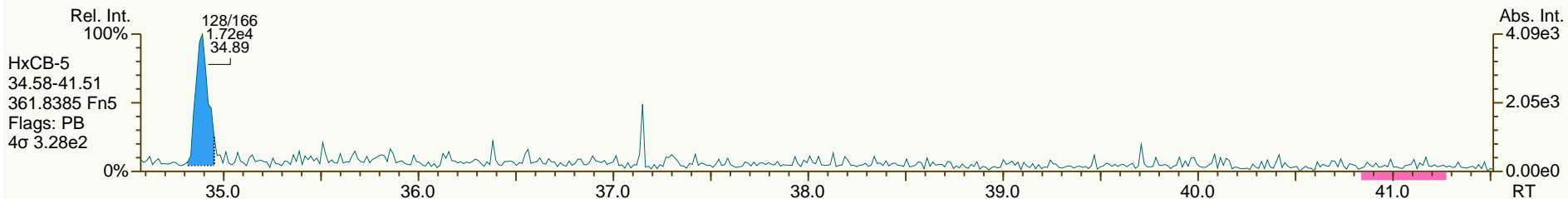
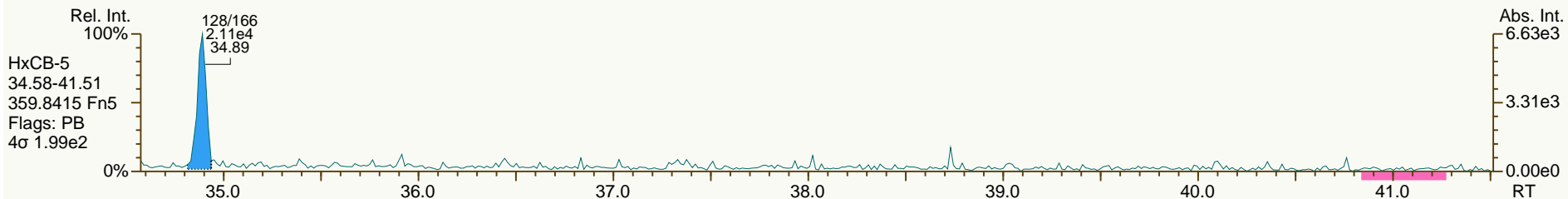
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

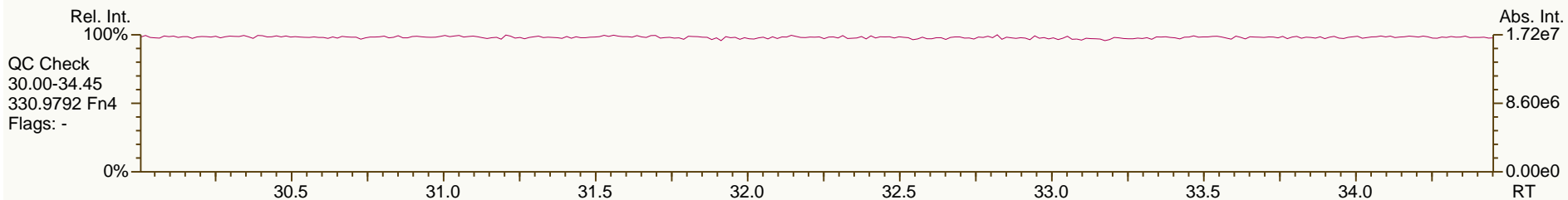
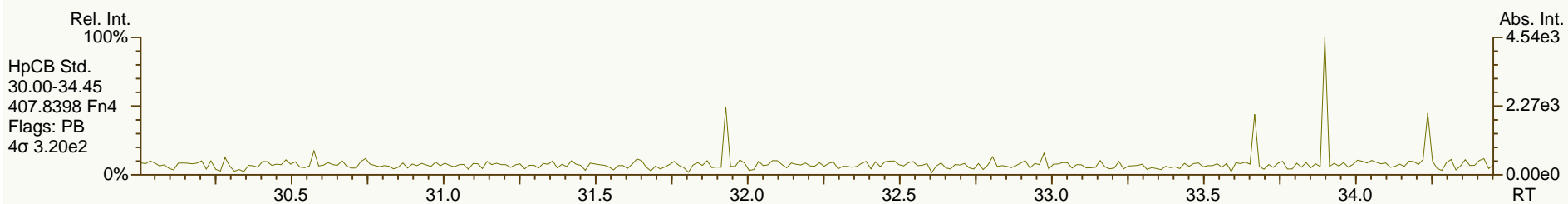
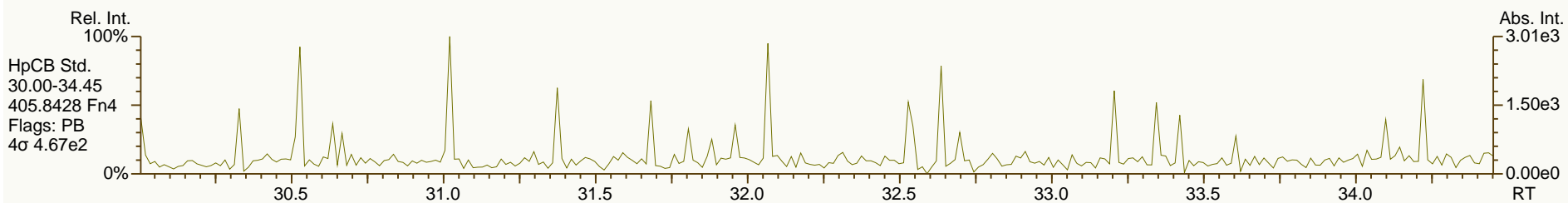
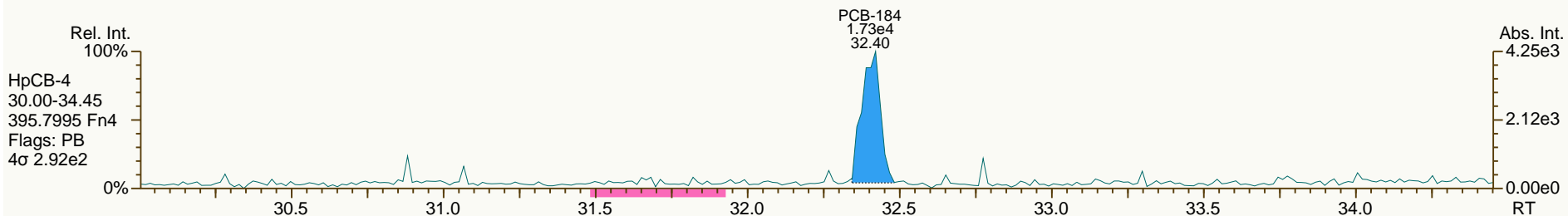
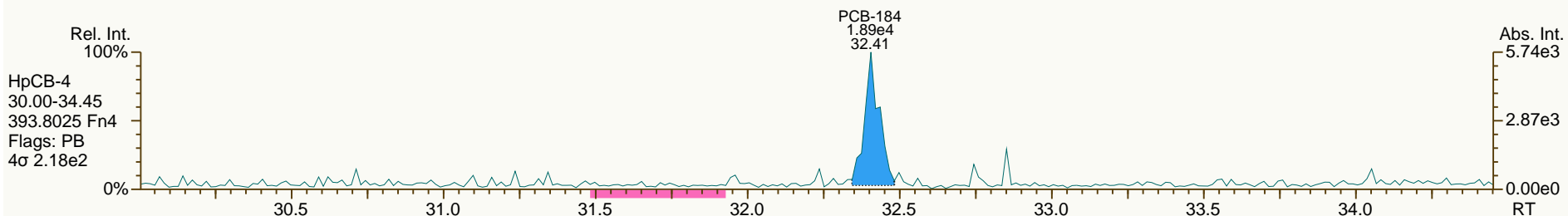
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

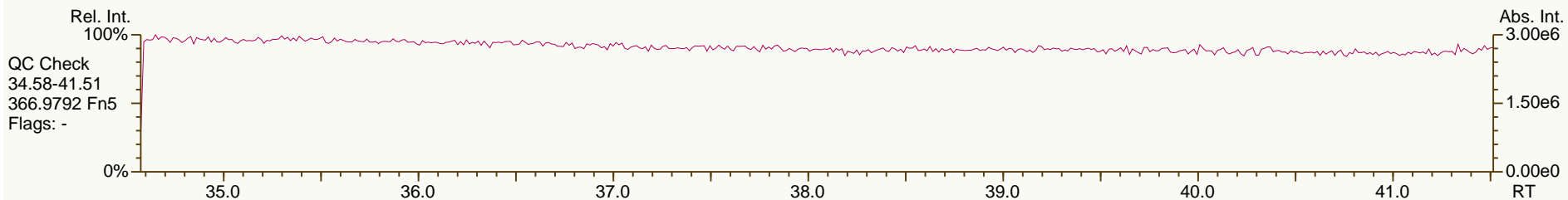
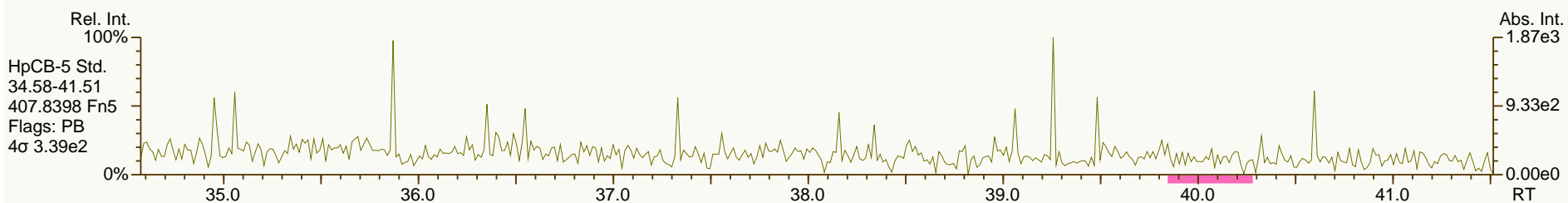
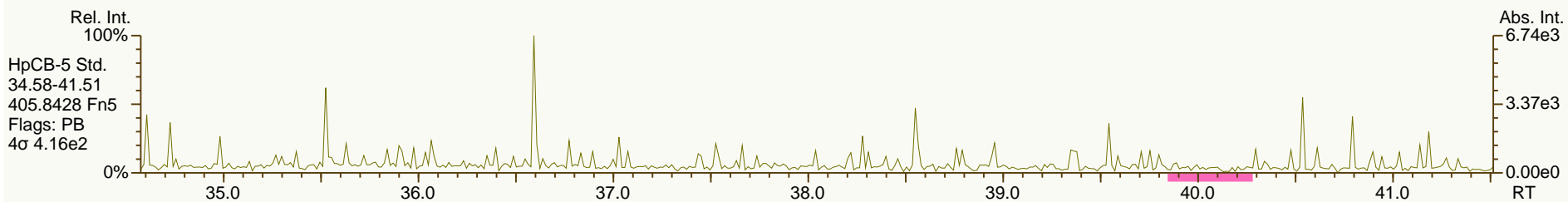
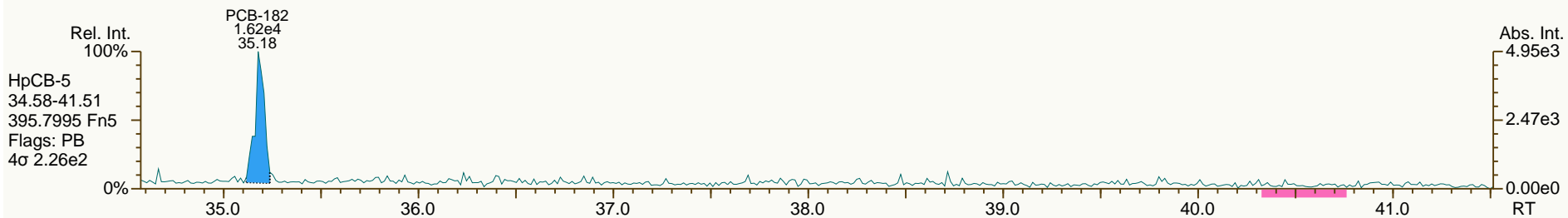
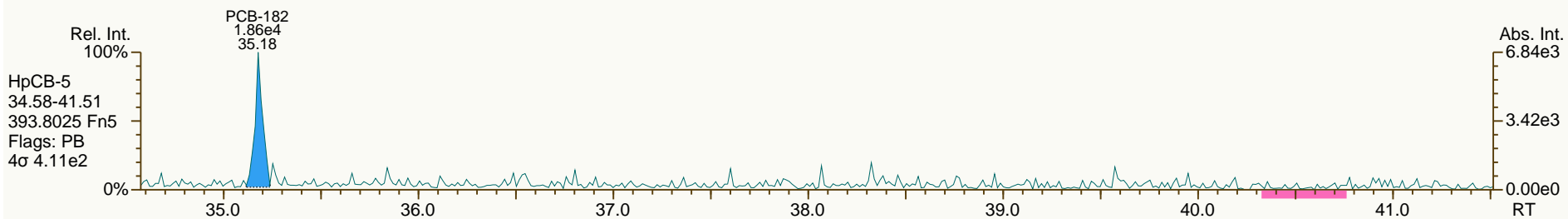
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AP Lab ID: SBS_120705_PCB_SA
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Sample ID: SIL9-41-1
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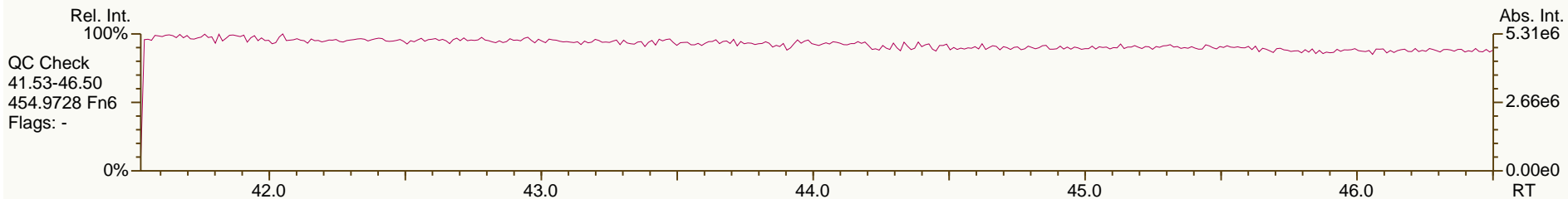
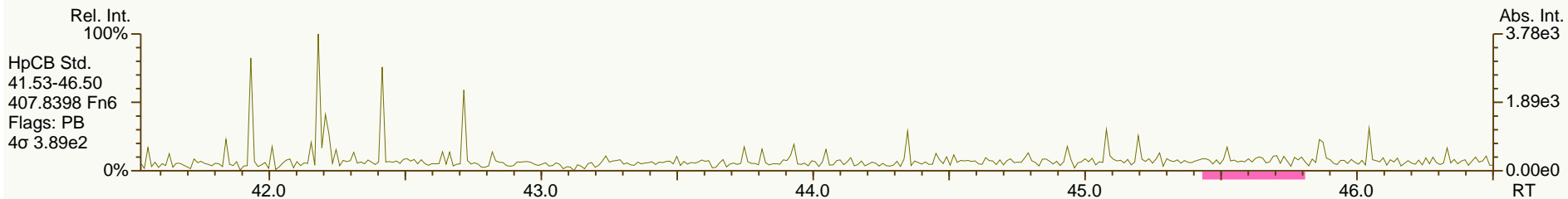
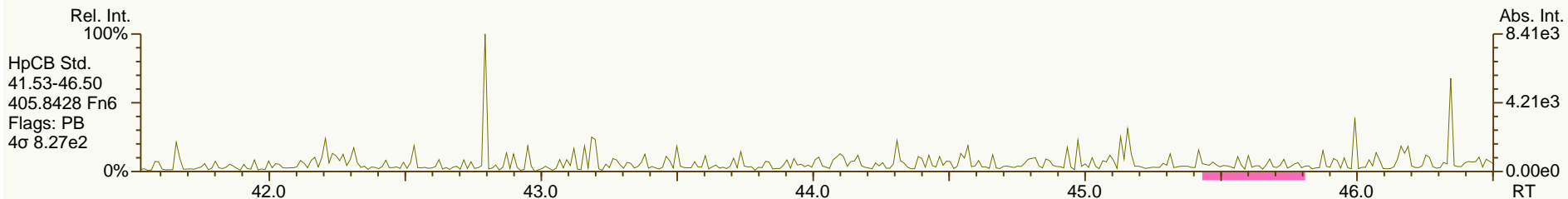
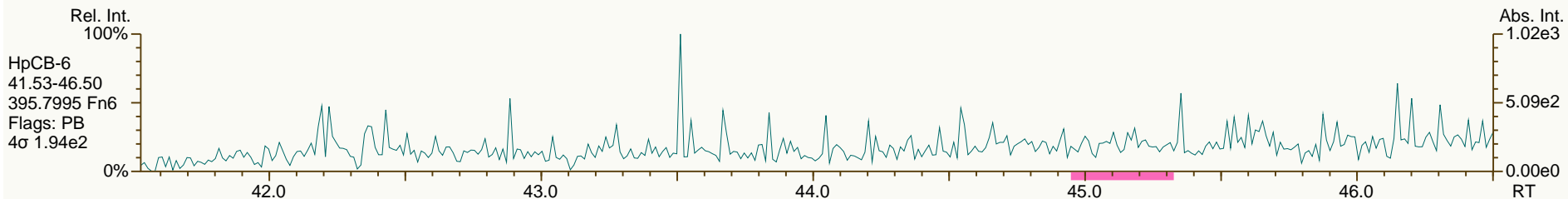
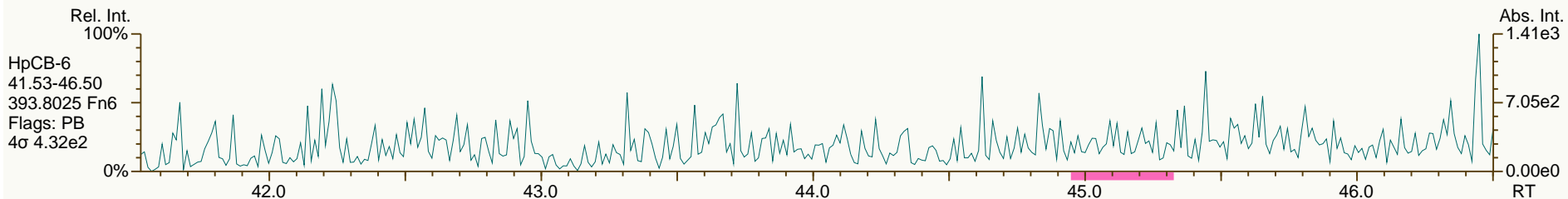
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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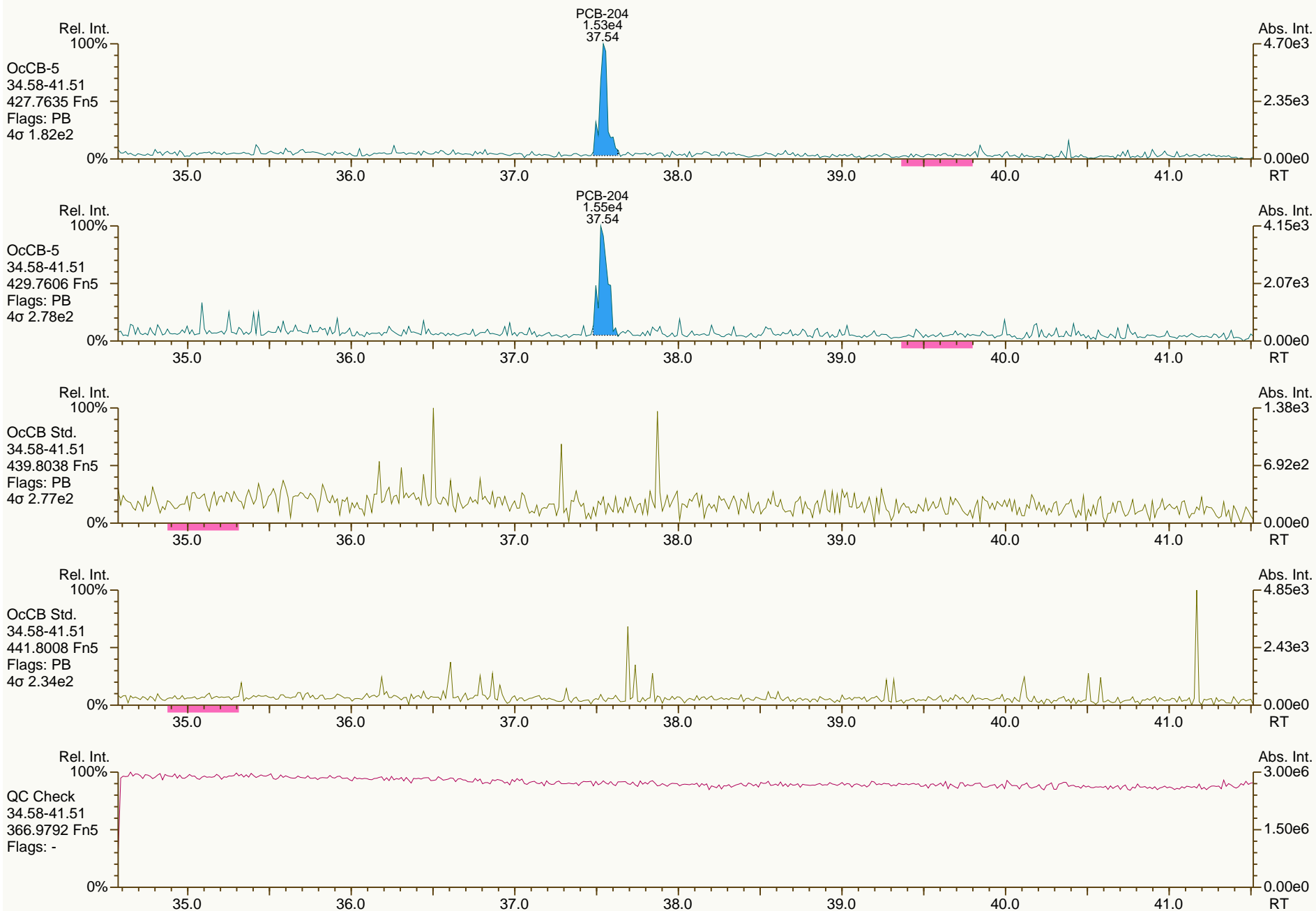
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AP Lab ID: SBS_120705_PCB_SA
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Sample ID: SIL9-41-1
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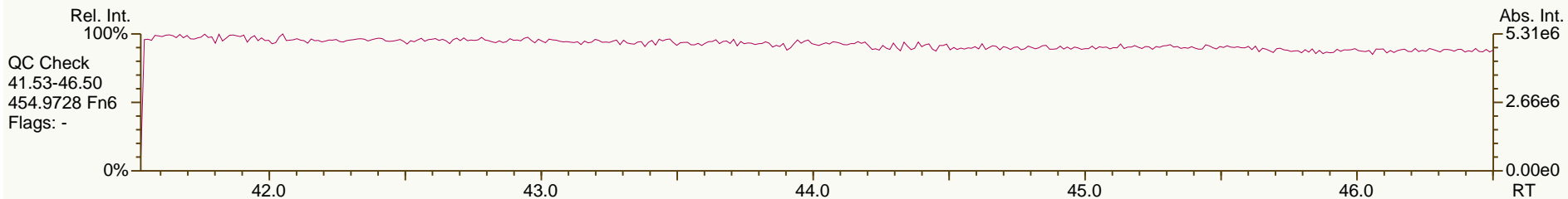
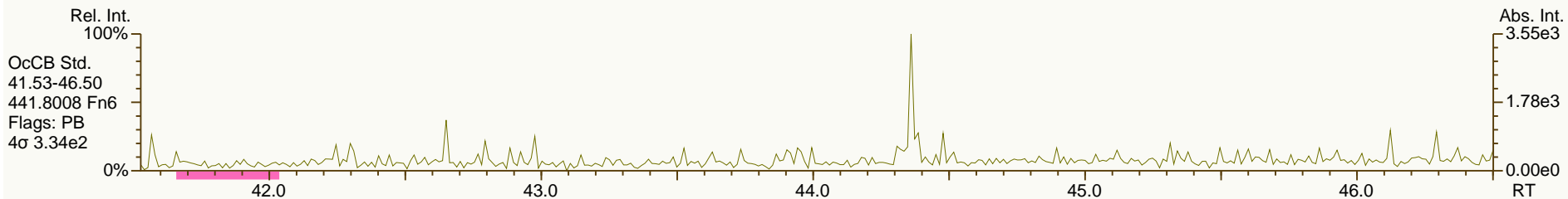
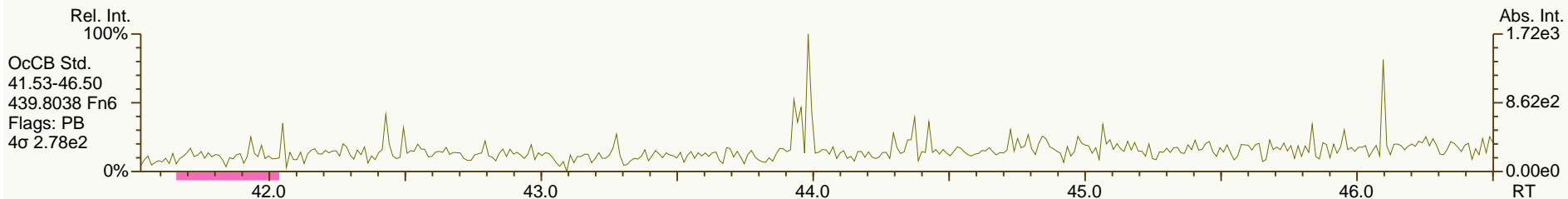
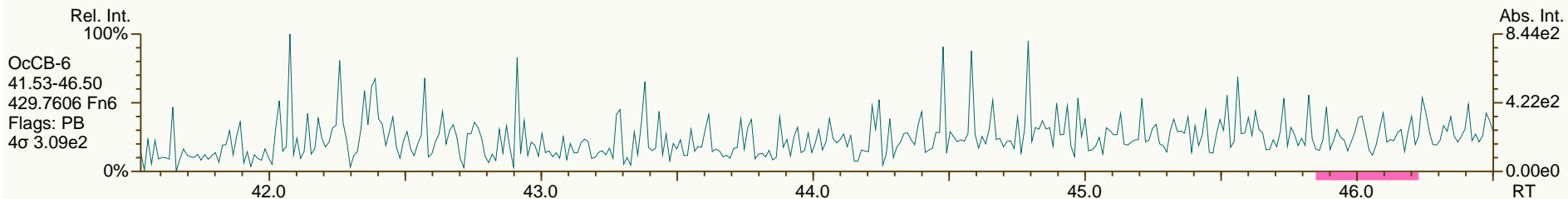
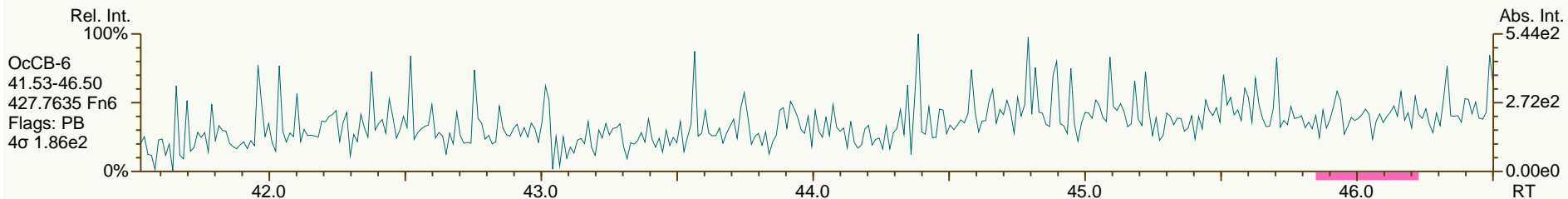
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

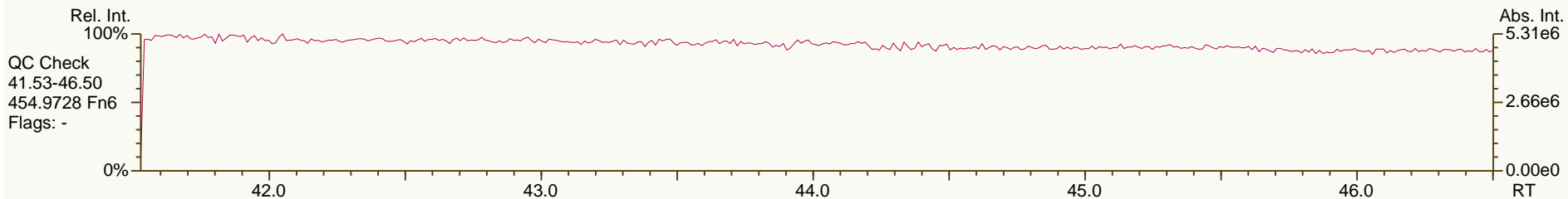
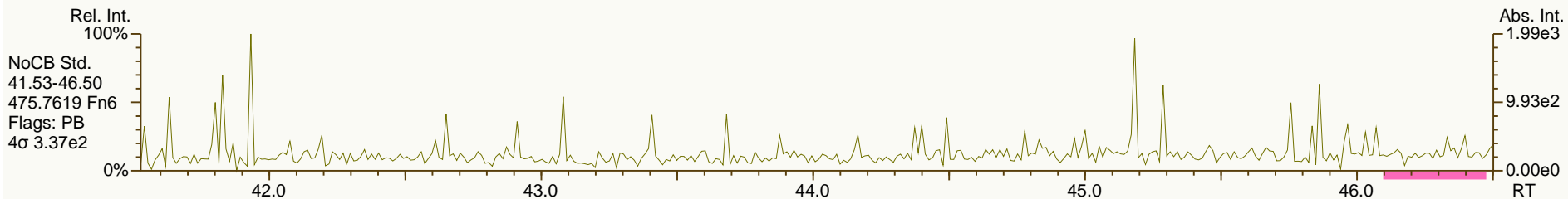
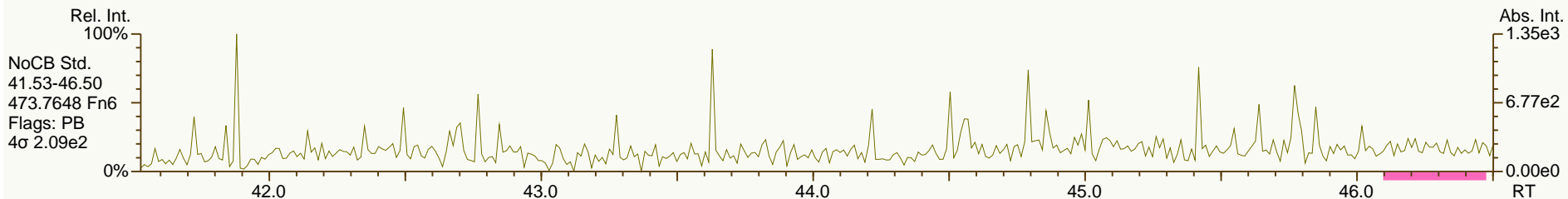
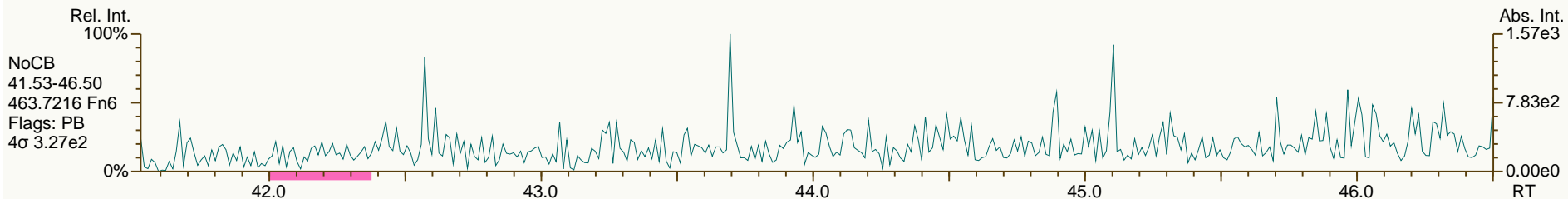
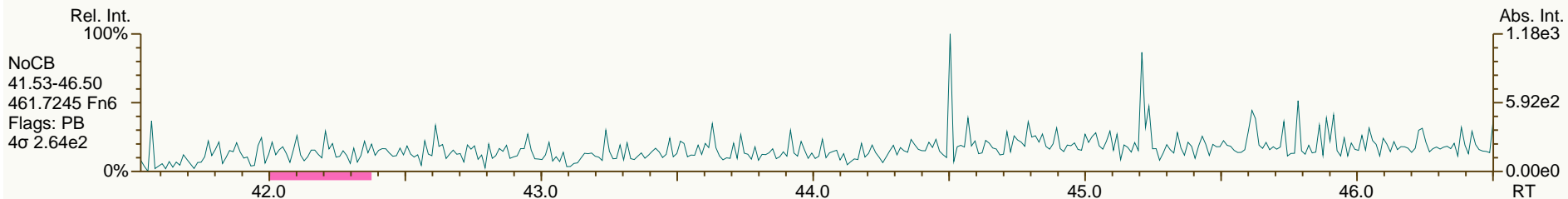
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

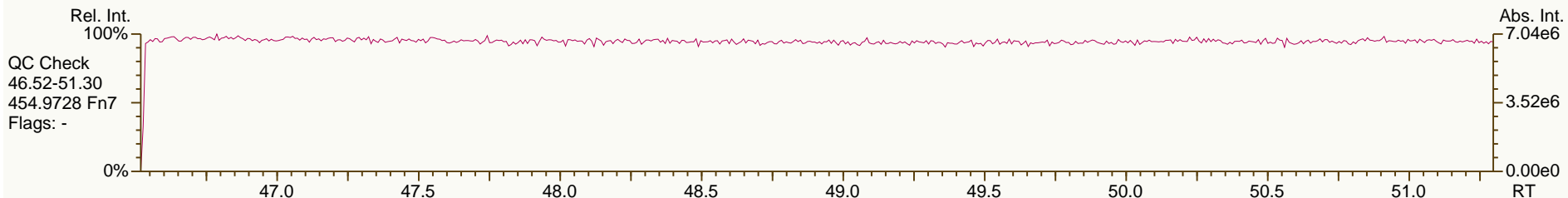
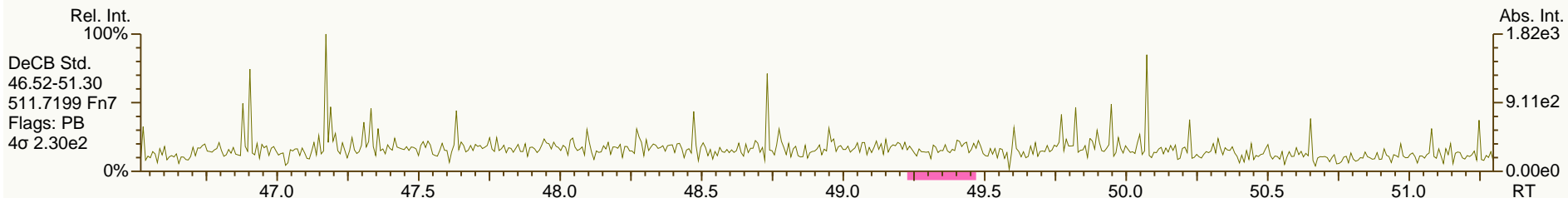
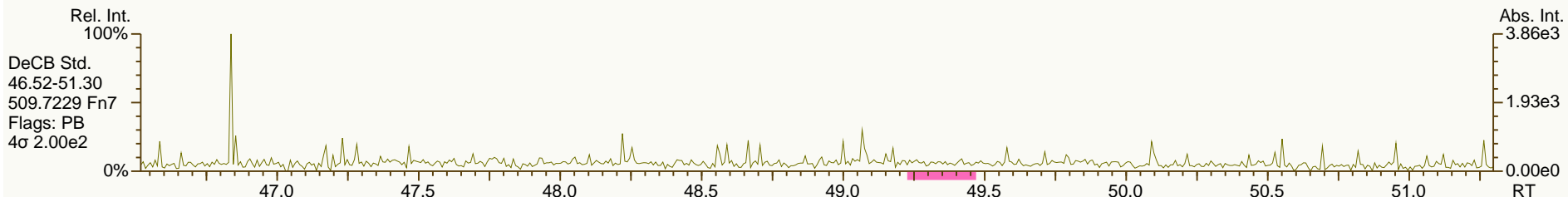
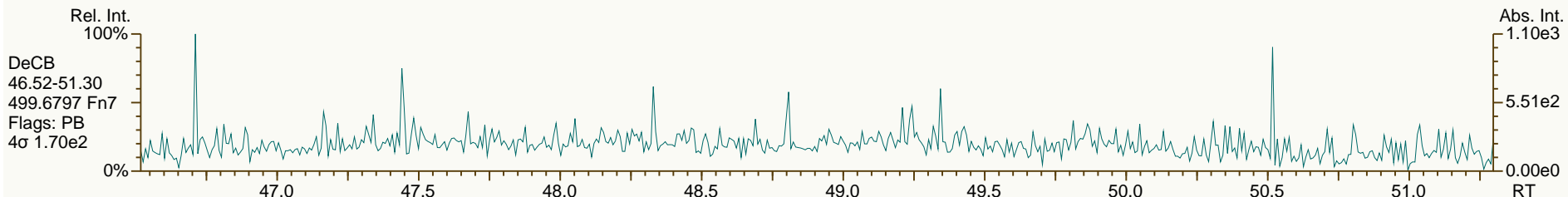
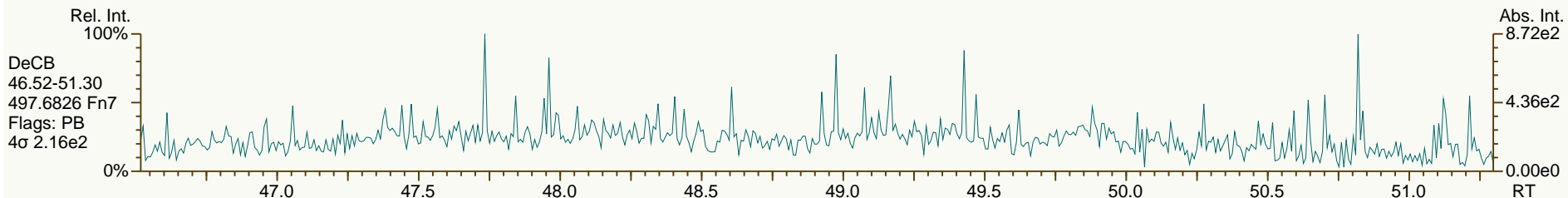
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AP Lab ID: SBS_120705_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

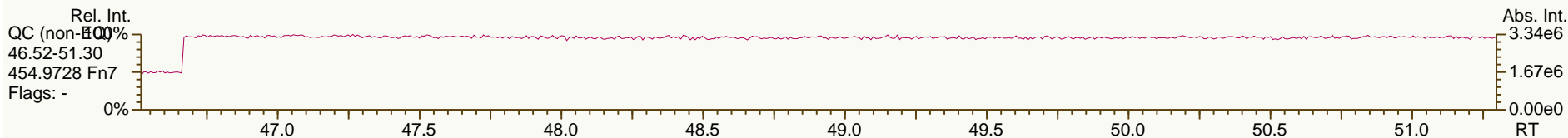
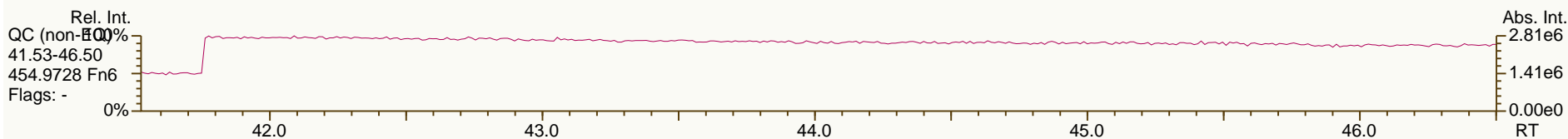
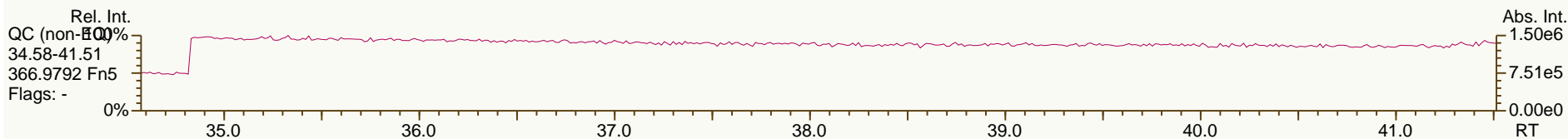
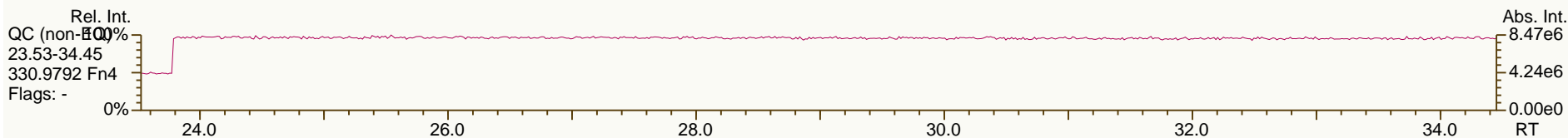
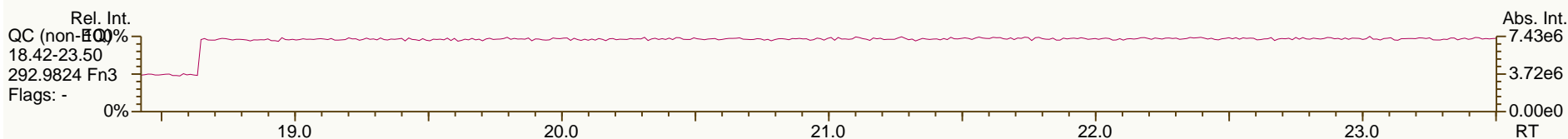
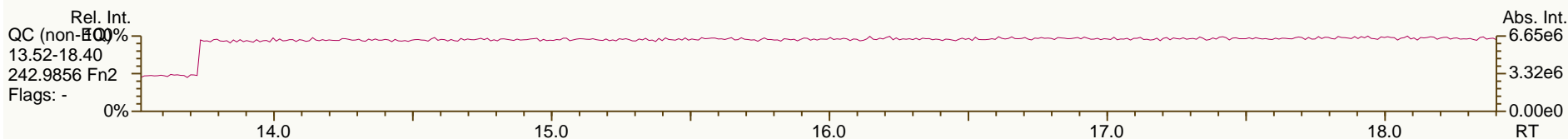
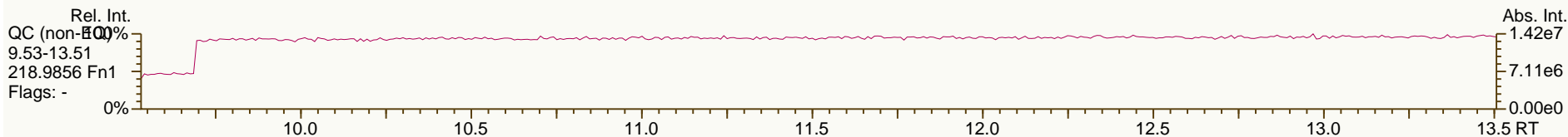
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AP Lab ID: SBS_120705_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

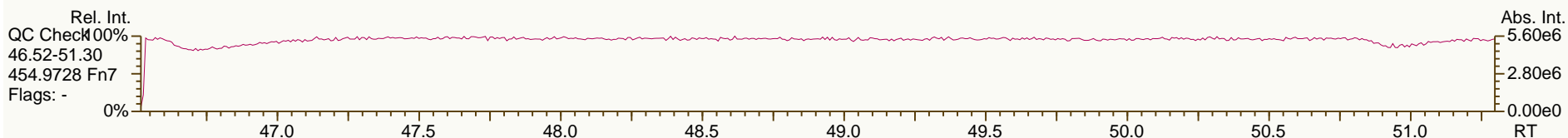
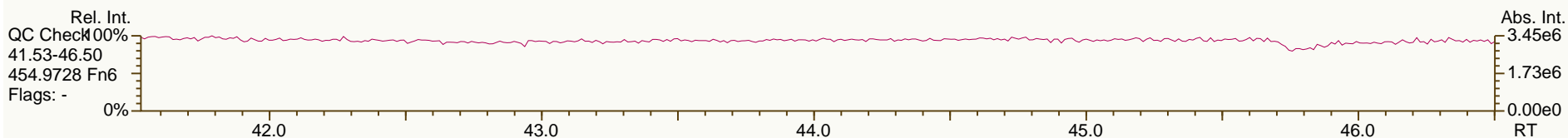
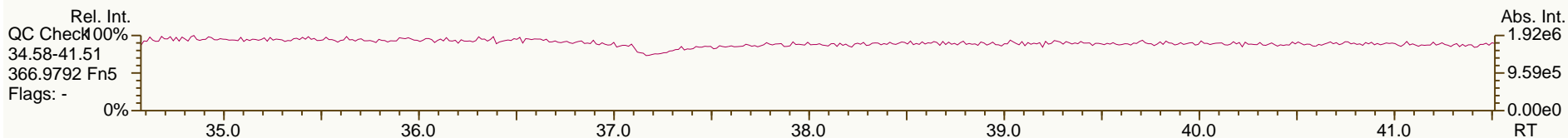
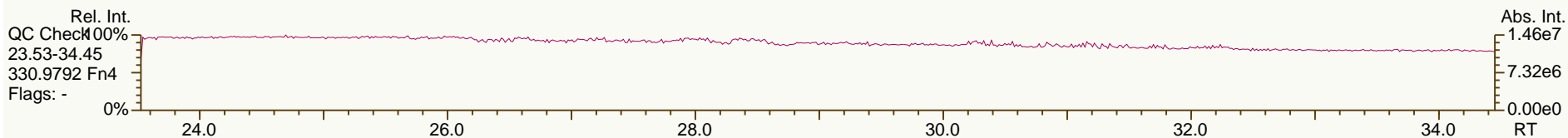
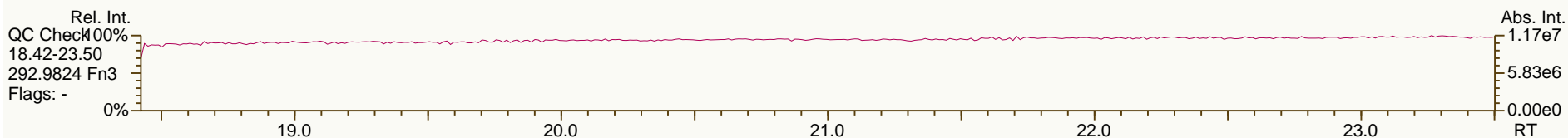
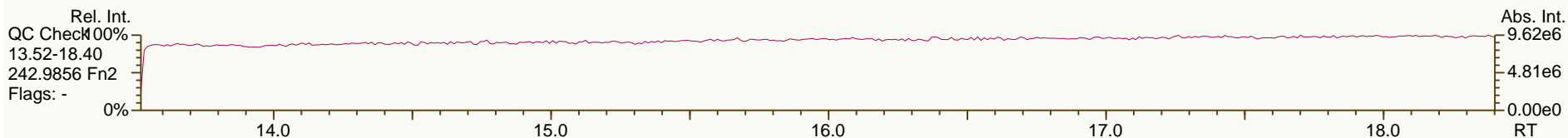
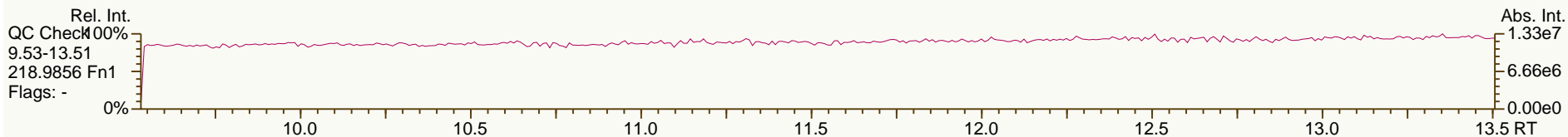
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AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

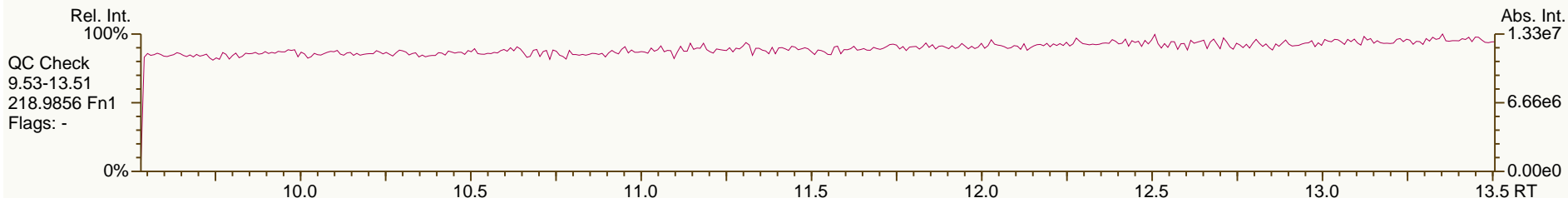
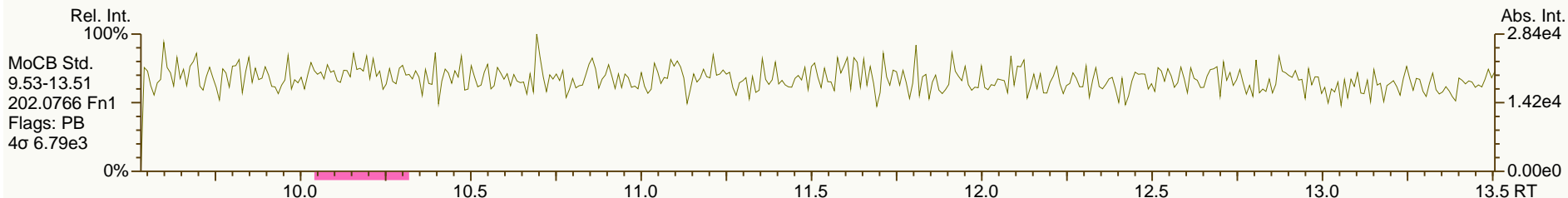
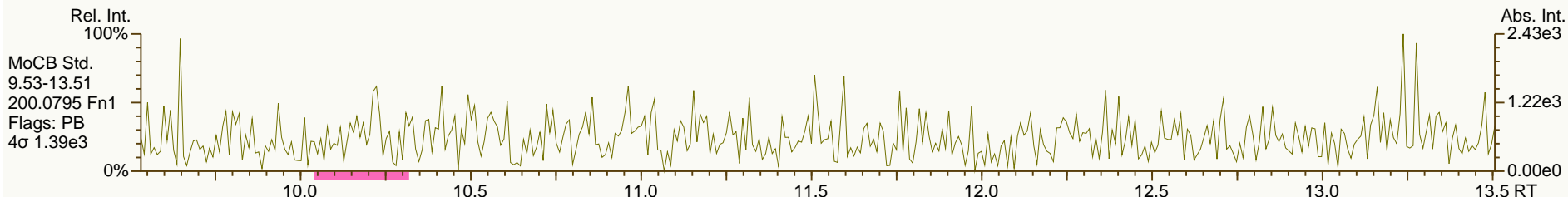
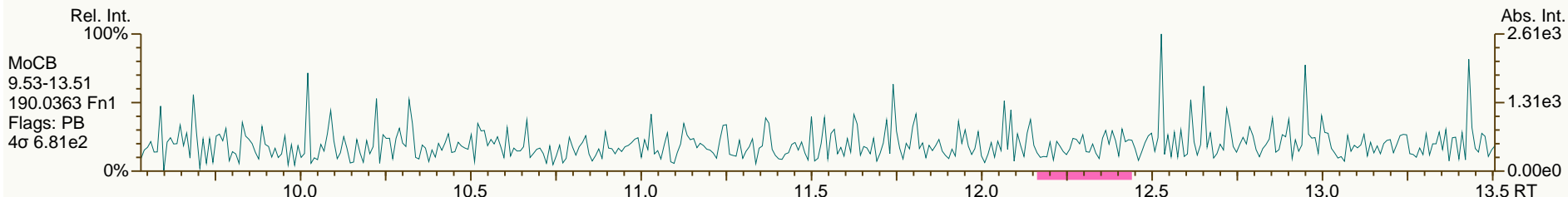
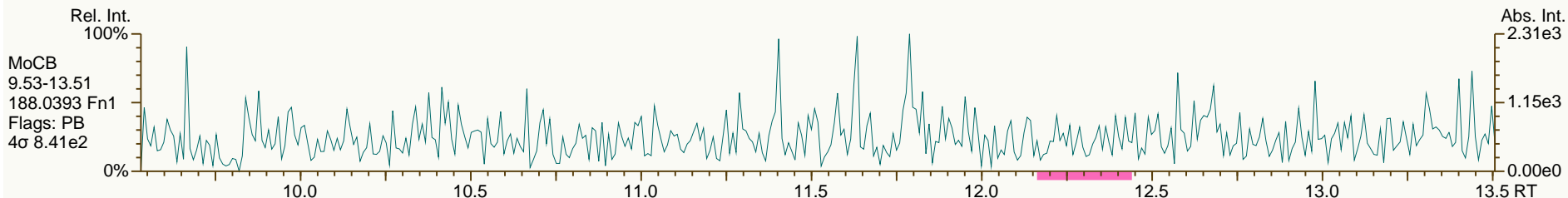
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AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
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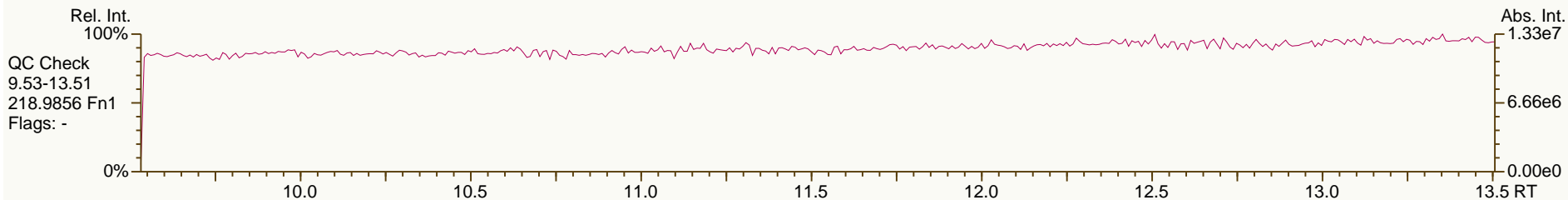
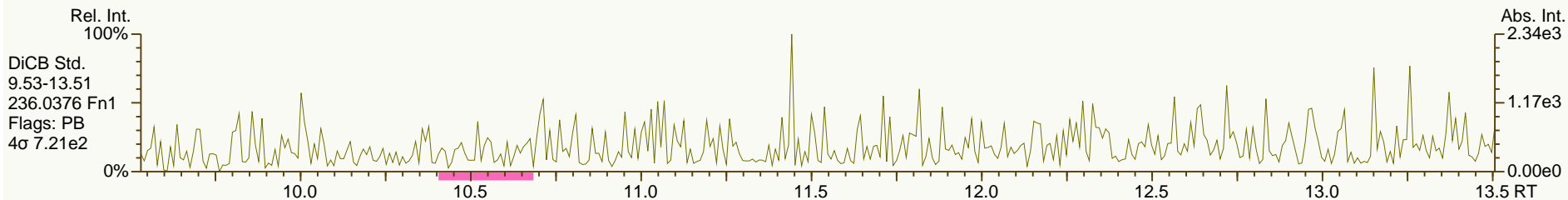
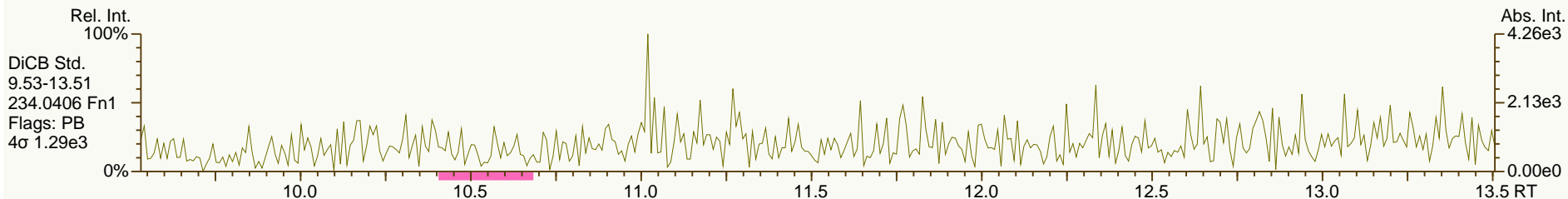
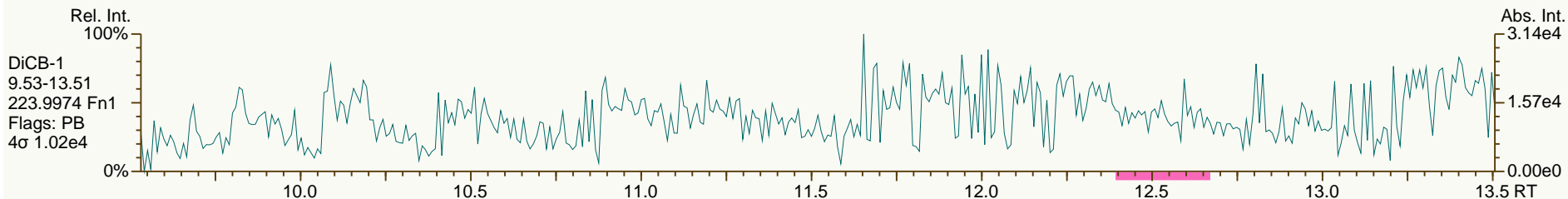
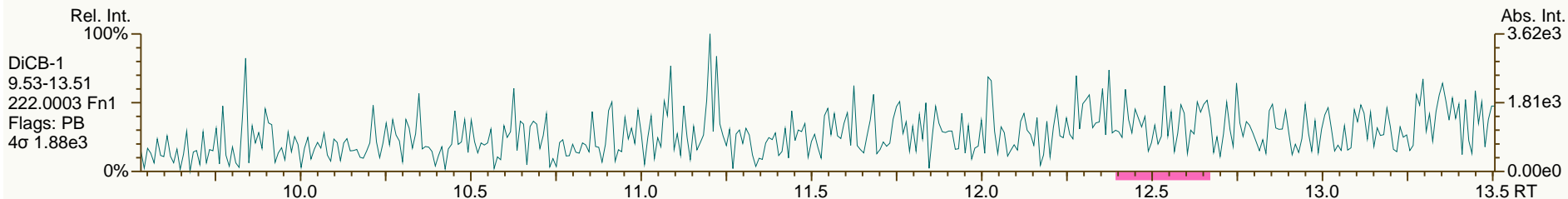
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AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

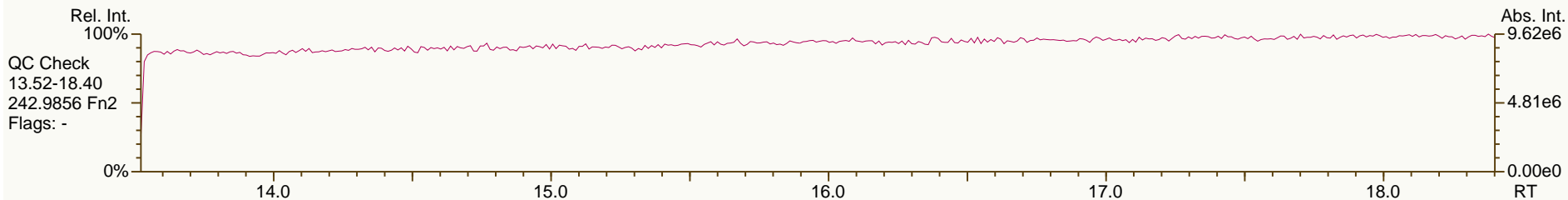
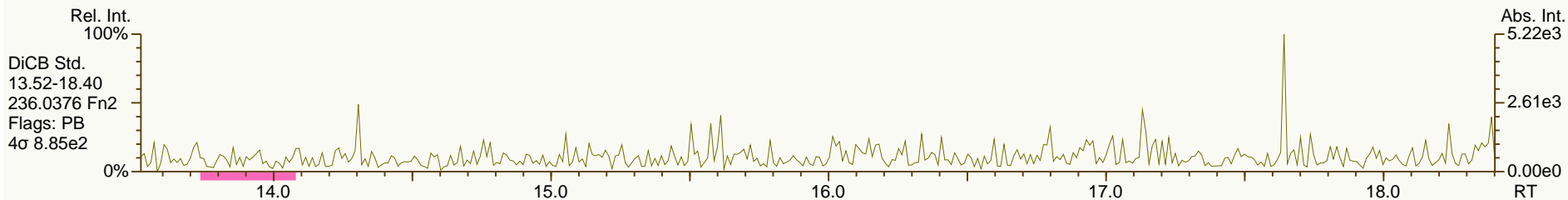
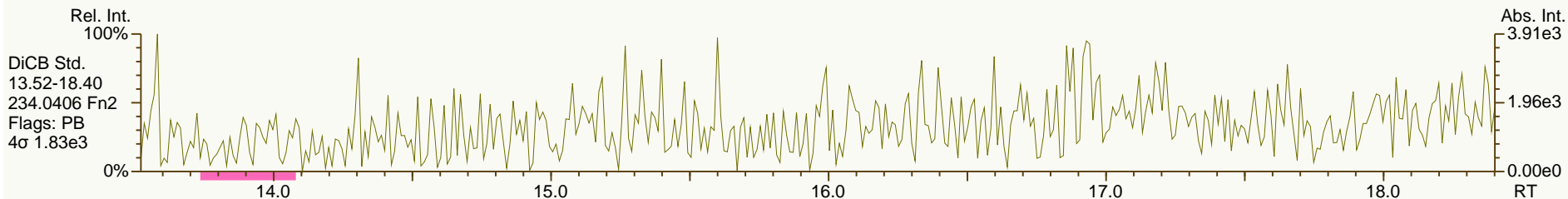
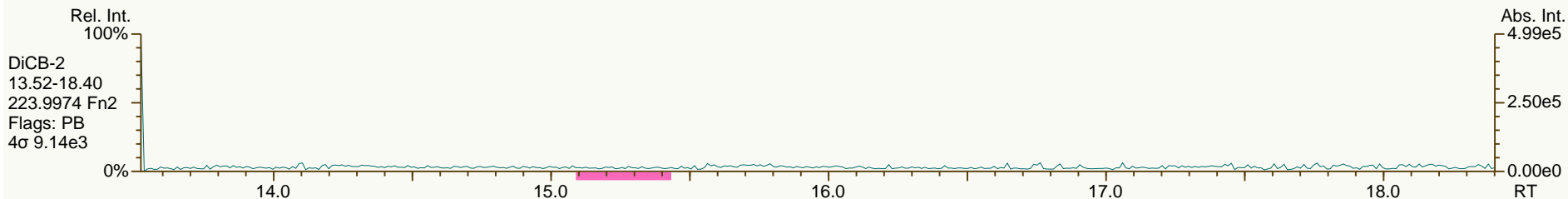
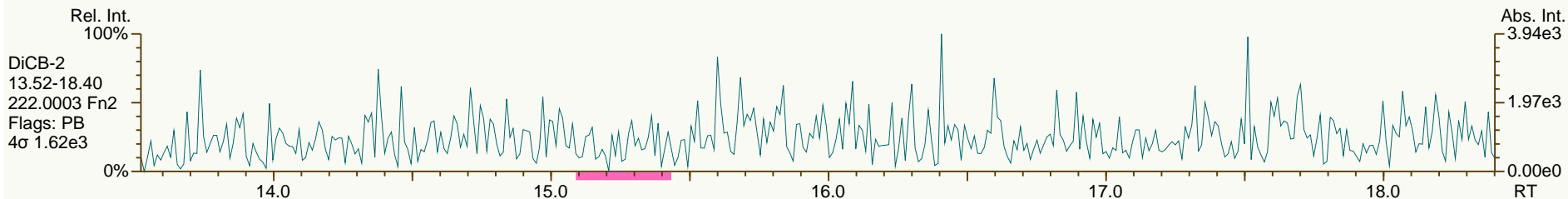
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Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

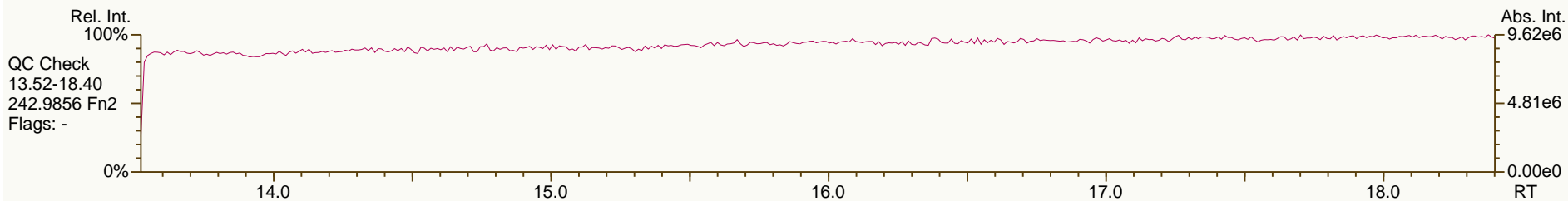
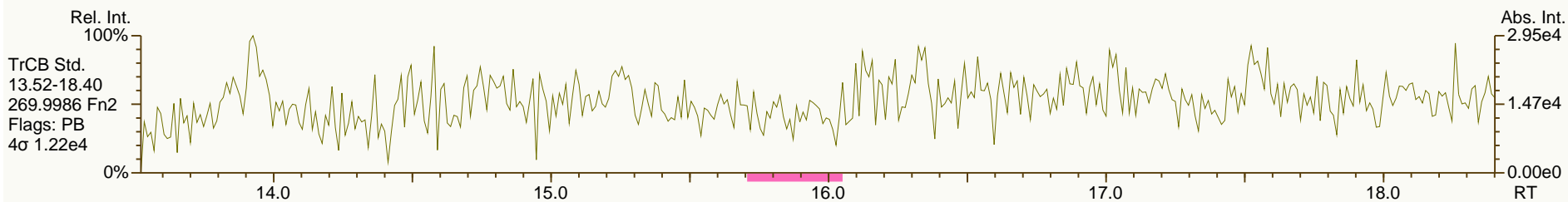
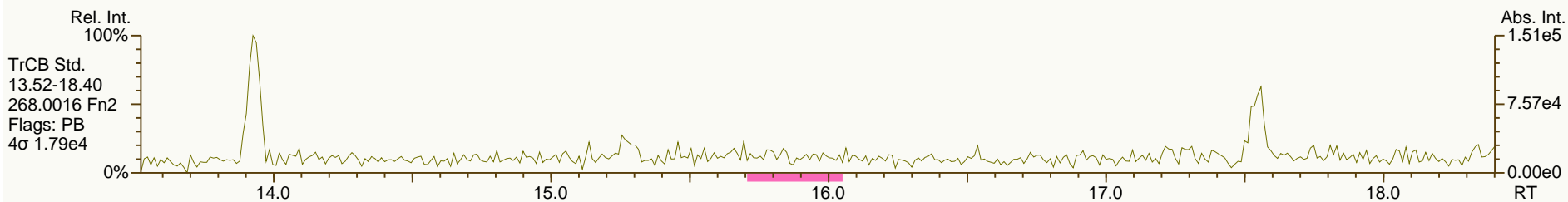
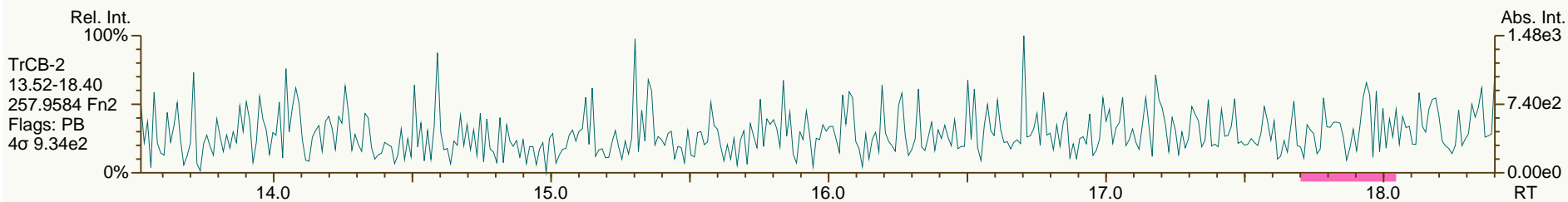
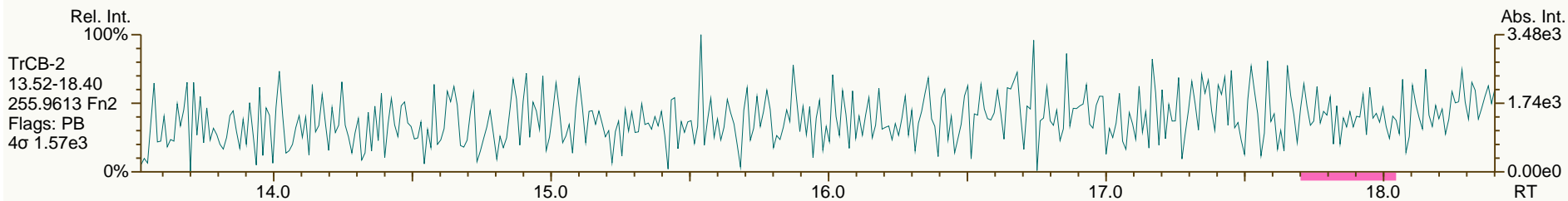
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AP Lab ID: SBS_120705_PCB_SB
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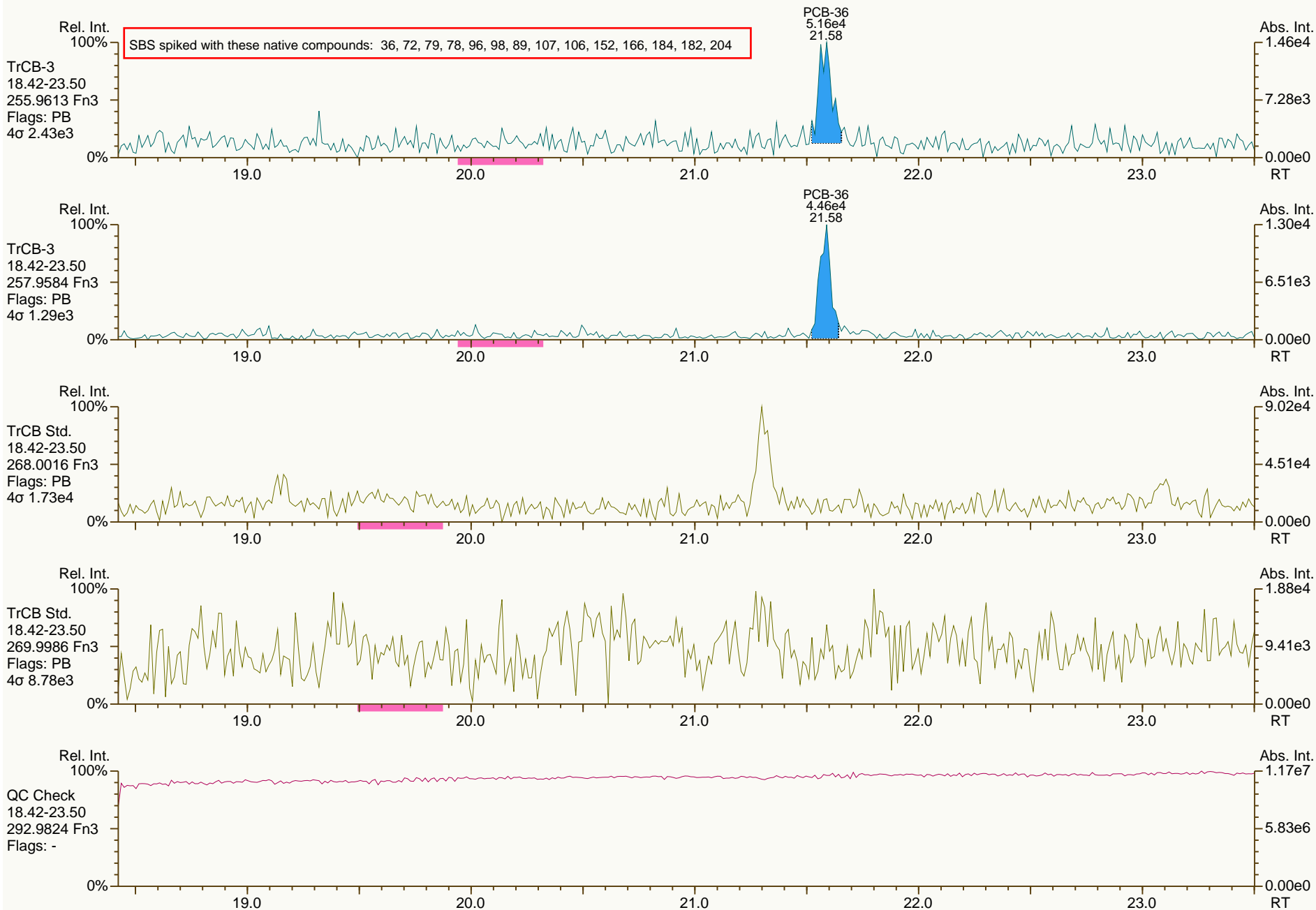
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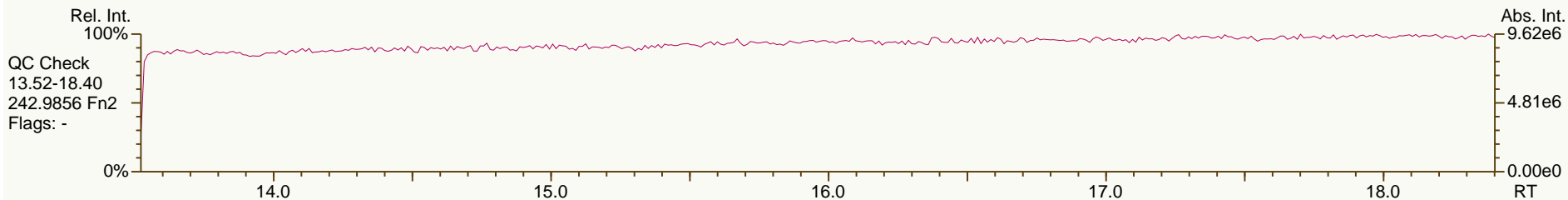
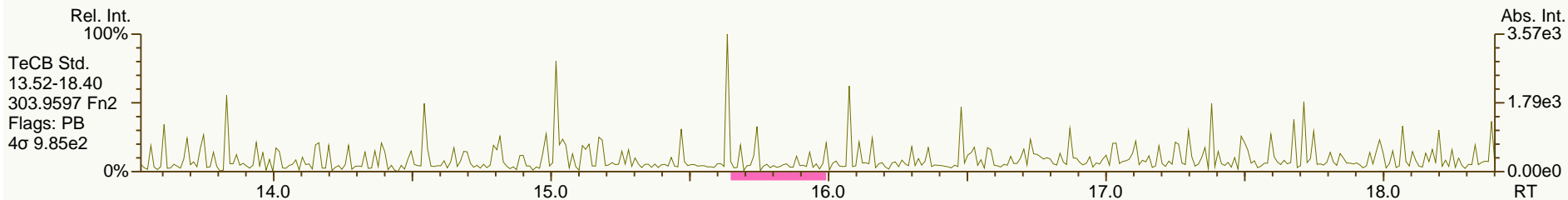
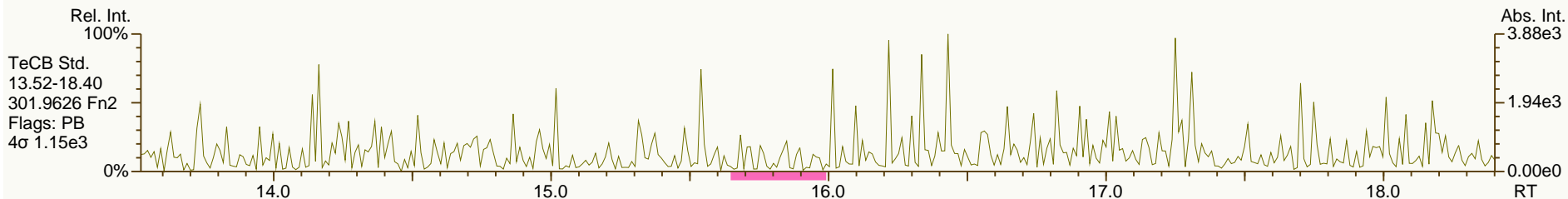
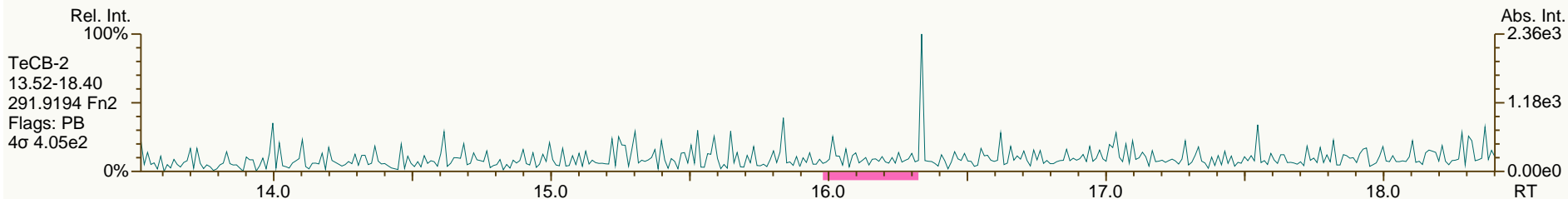
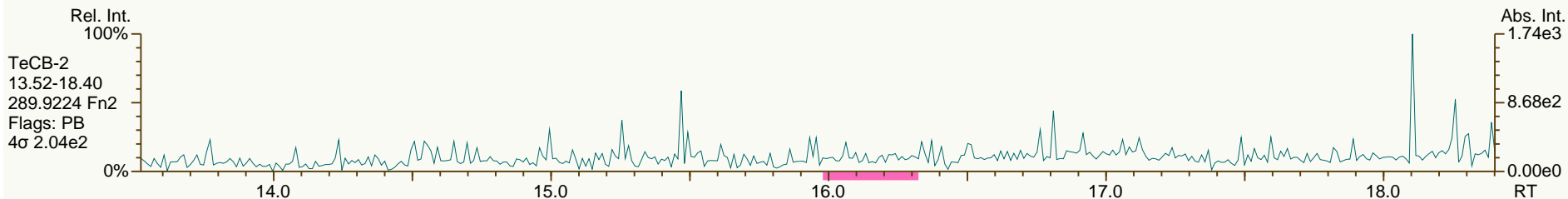
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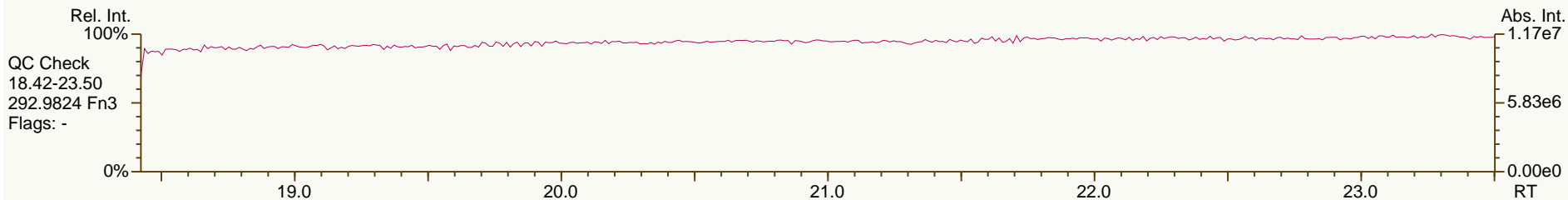
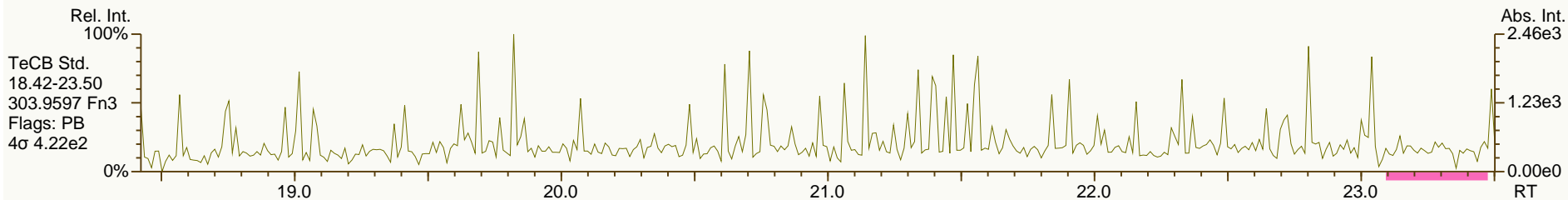
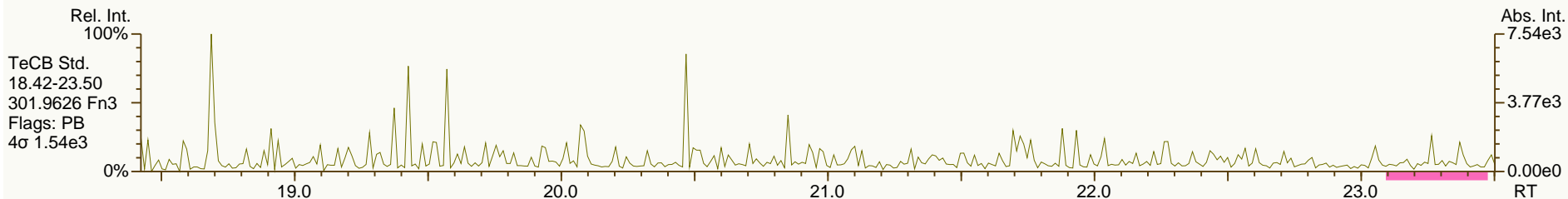
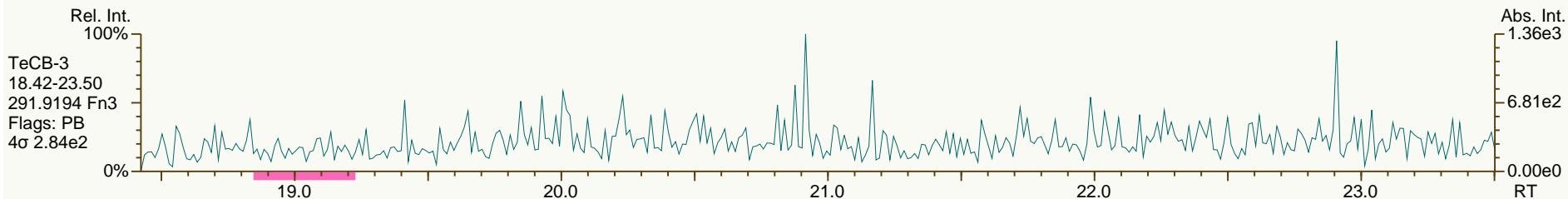
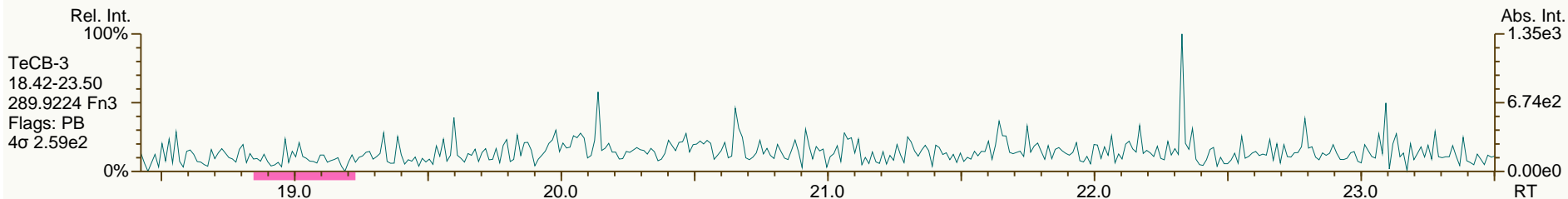
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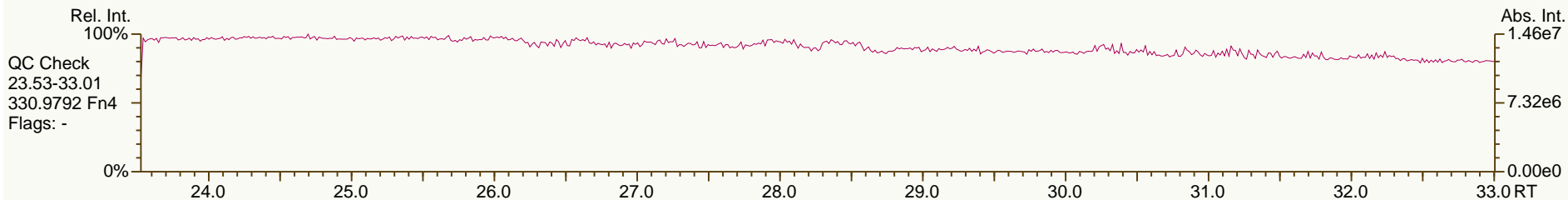
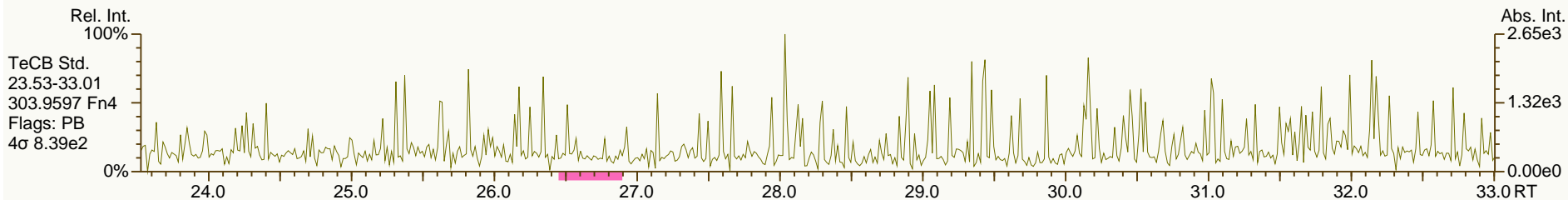
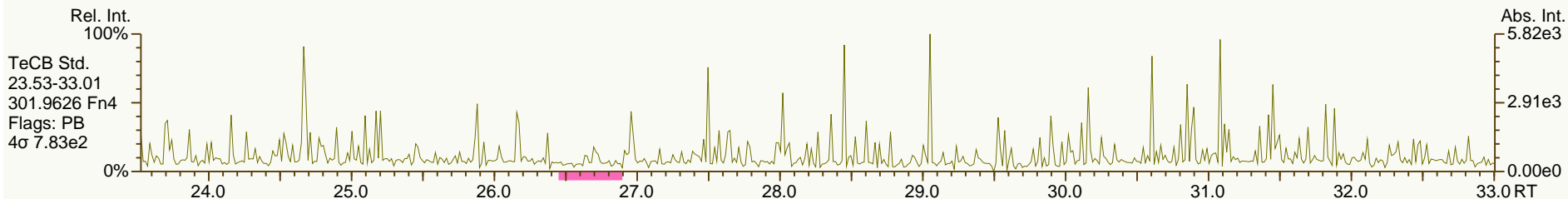
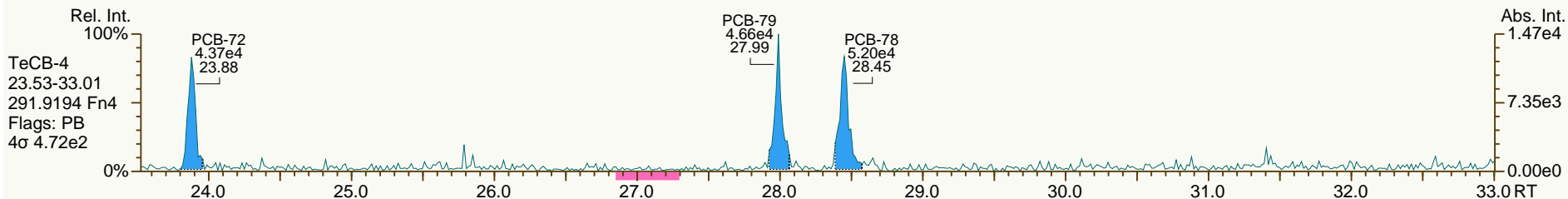
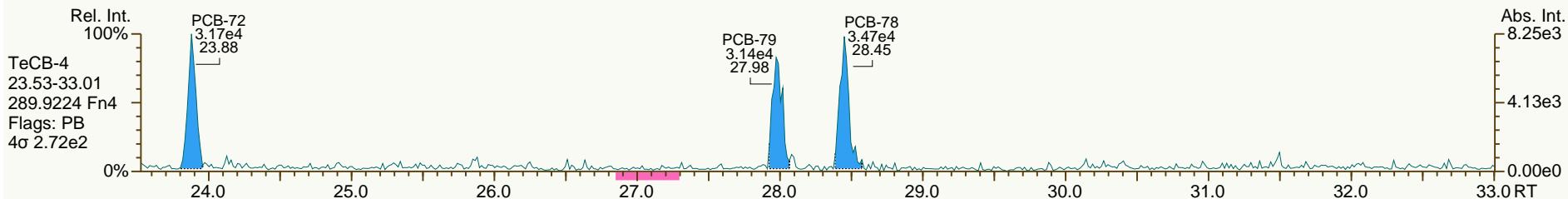
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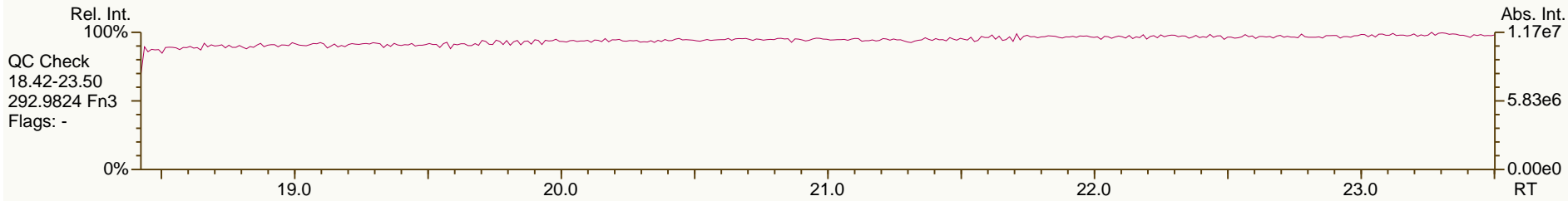
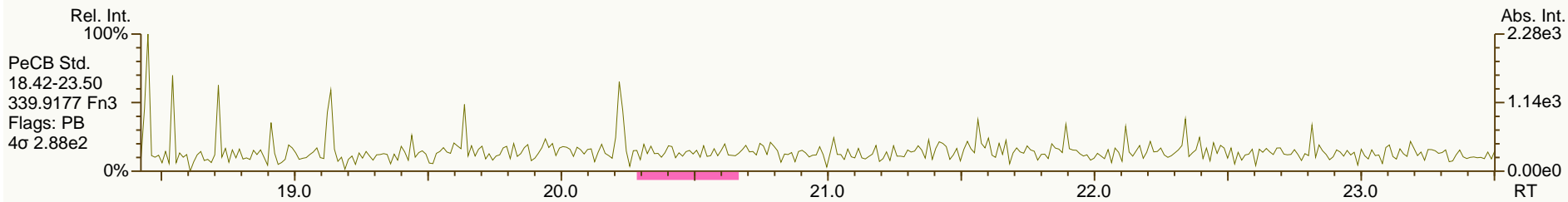
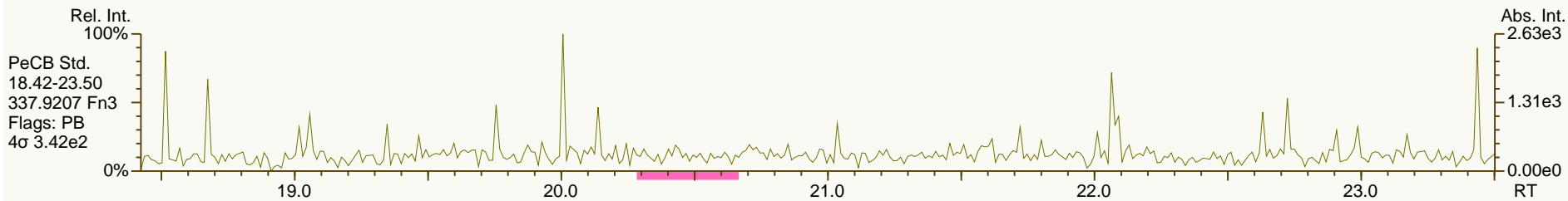
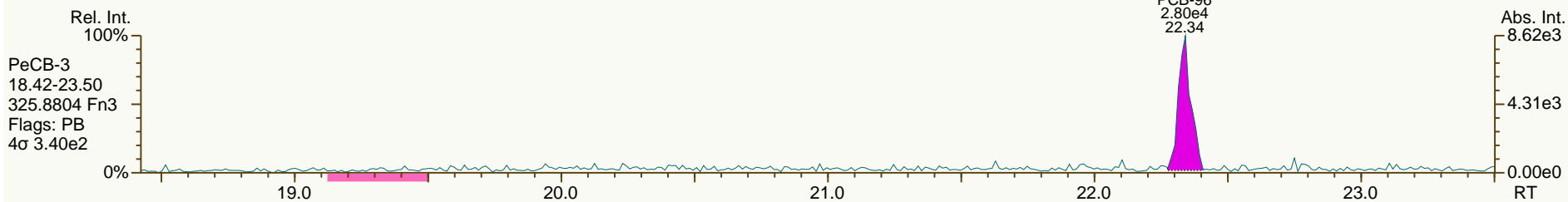
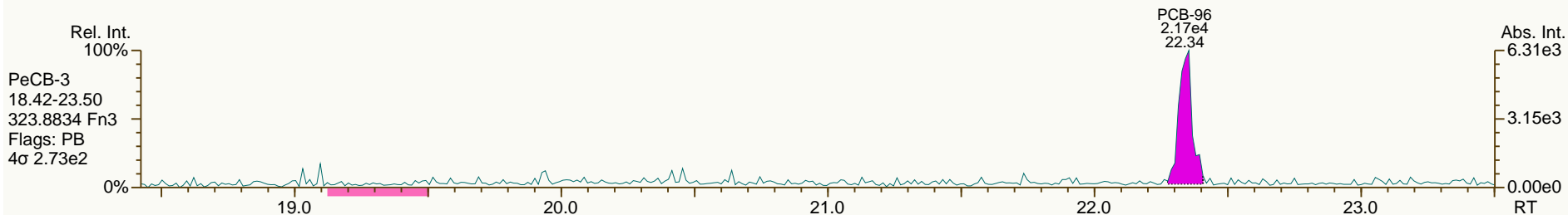
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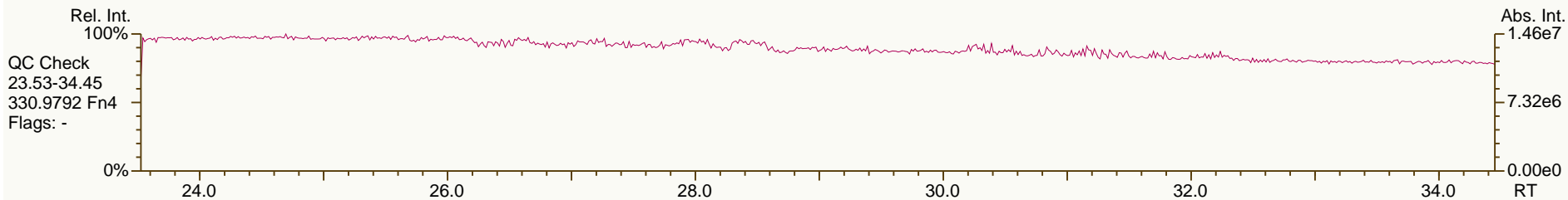
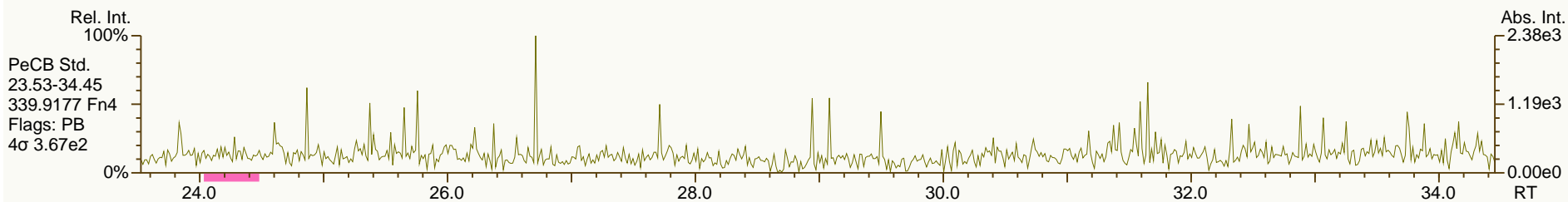
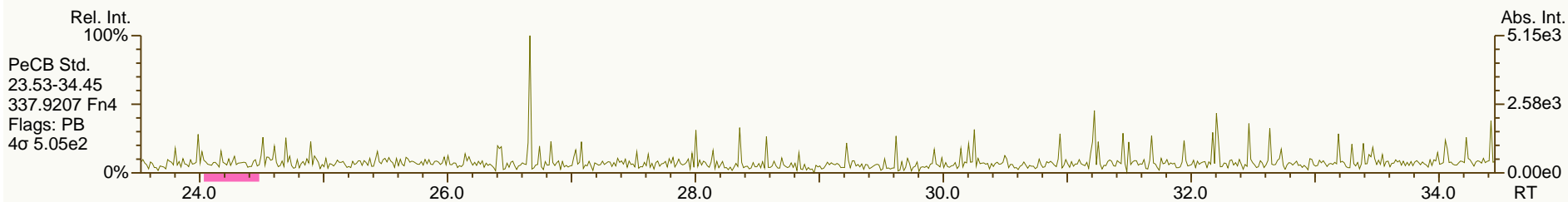
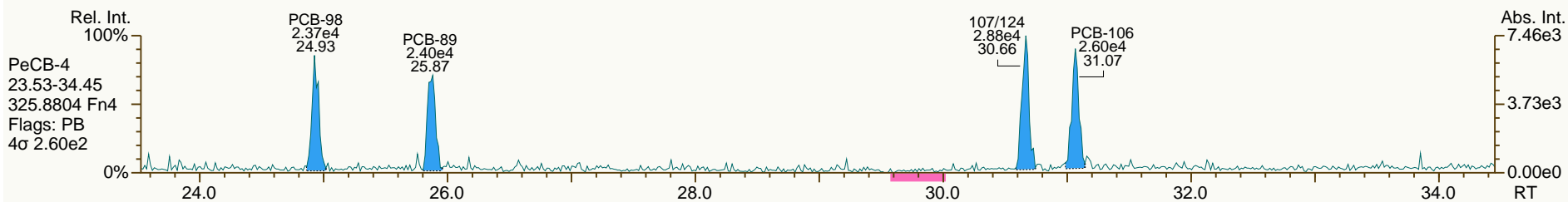
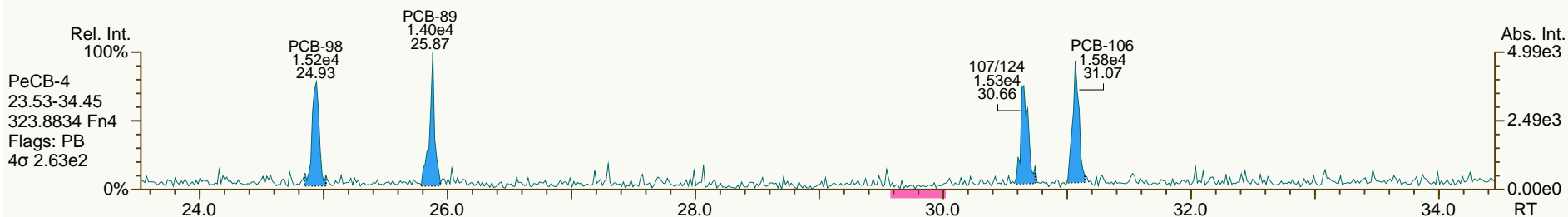
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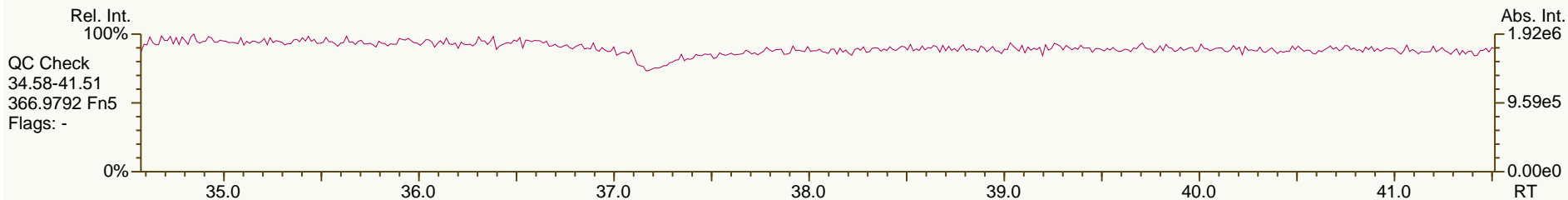
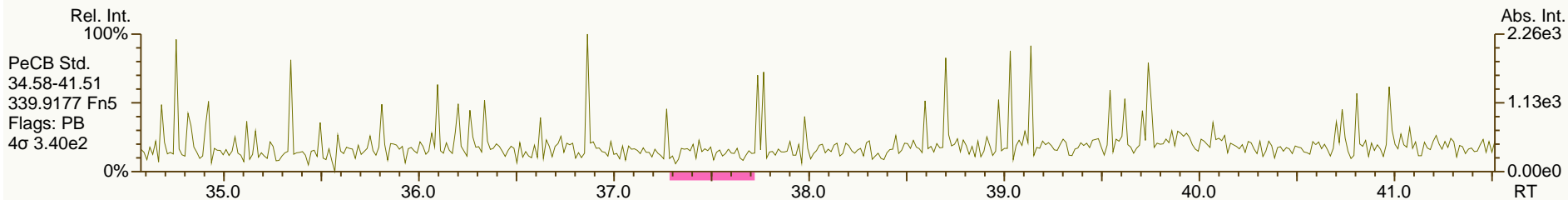
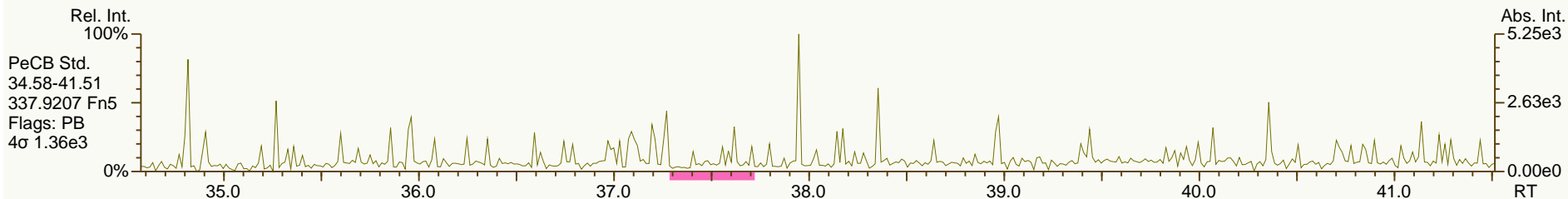
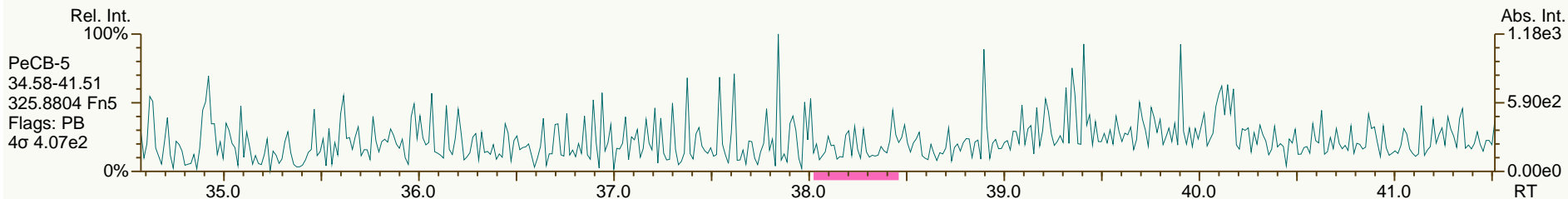
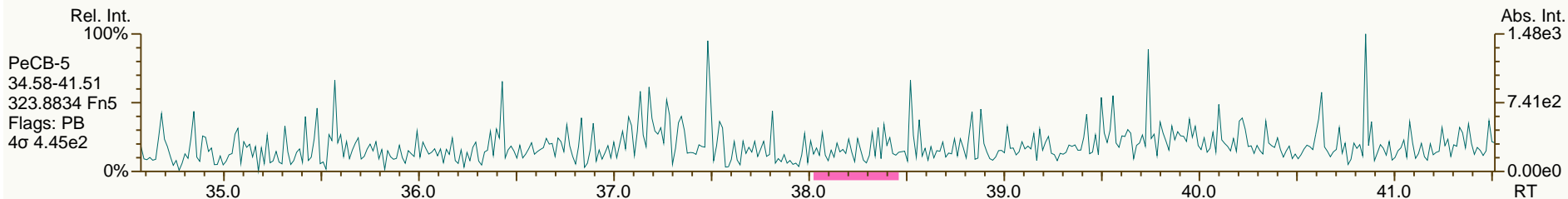
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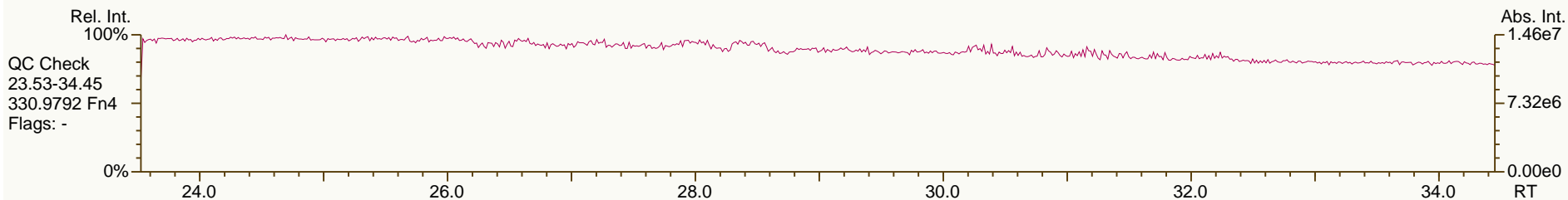
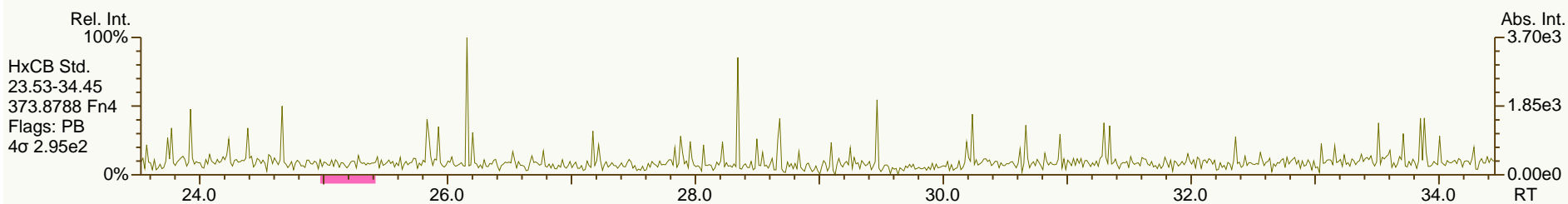
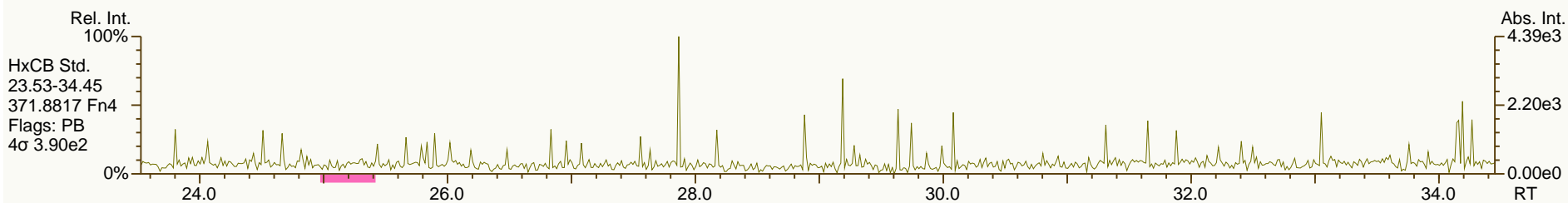
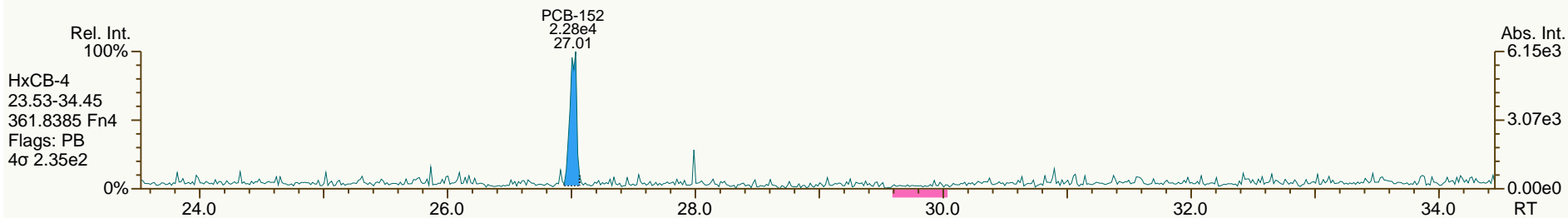
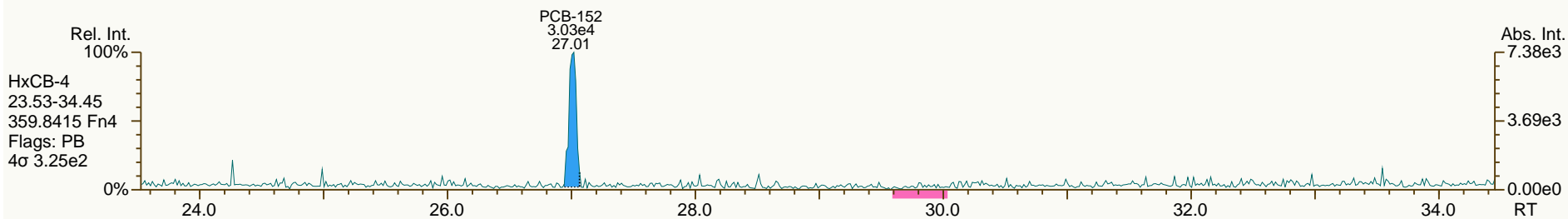
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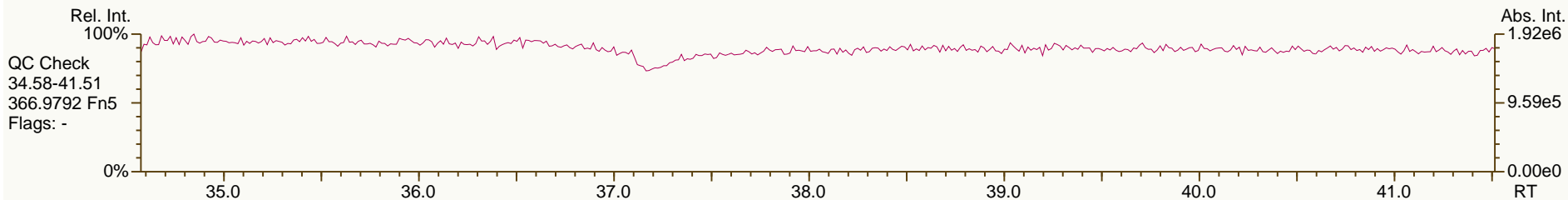
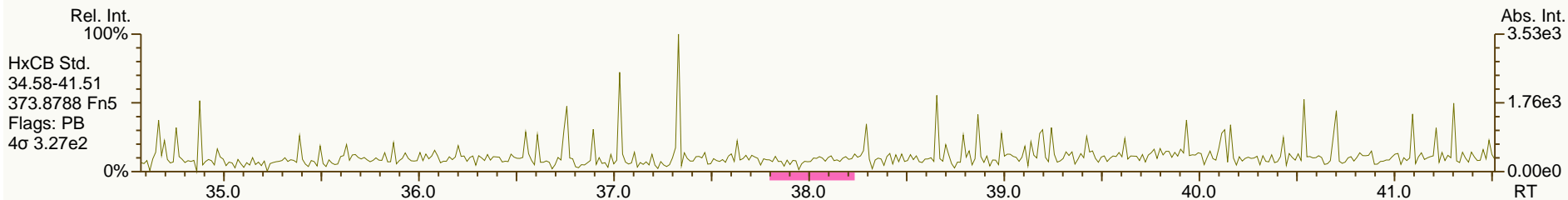
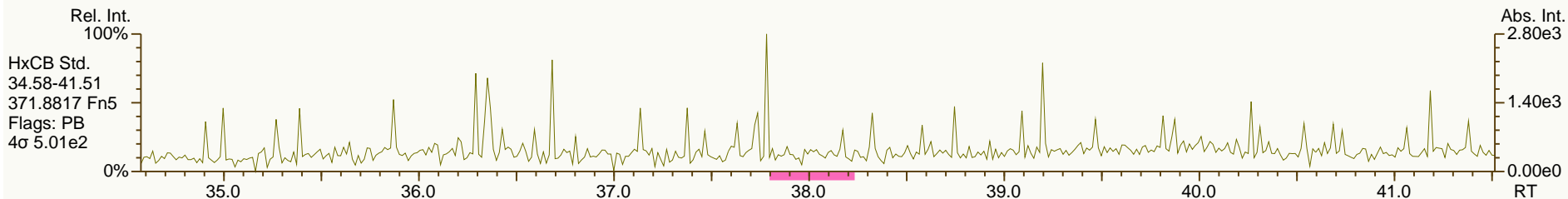
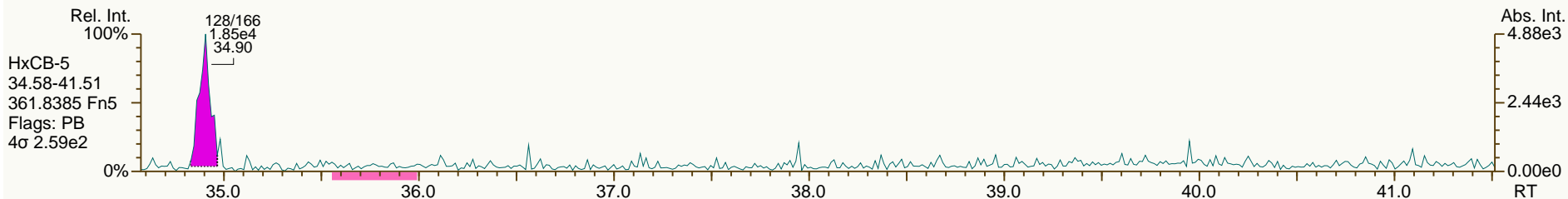
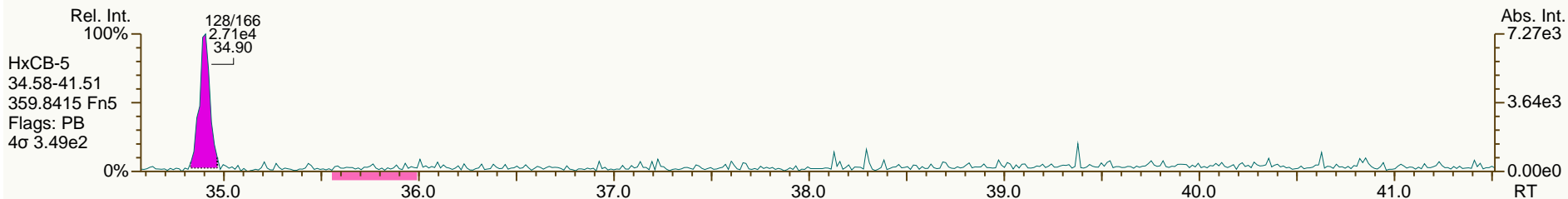
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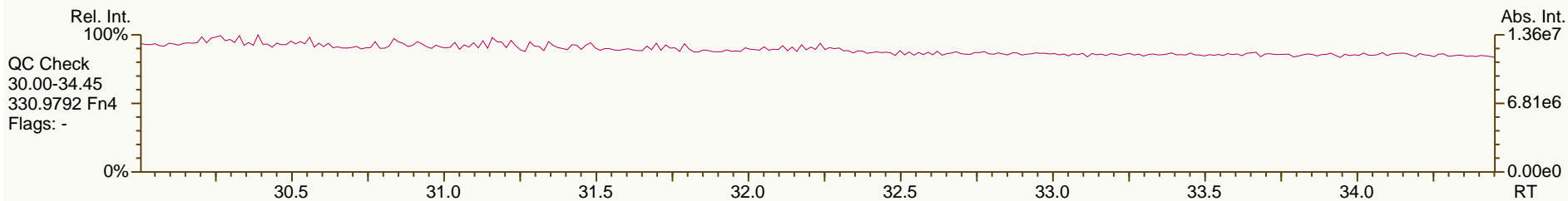
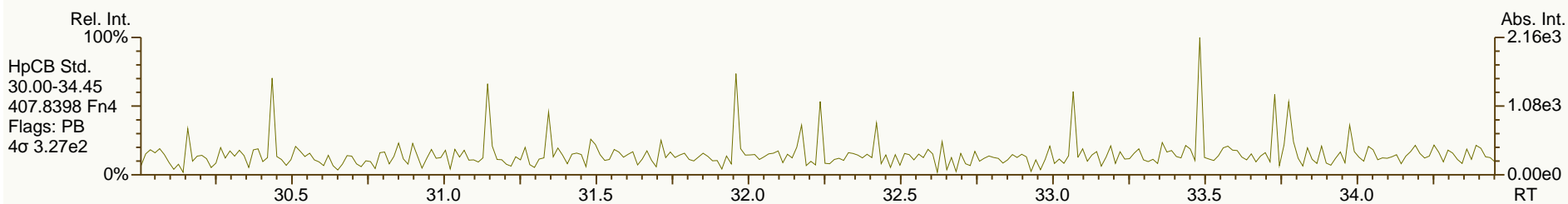
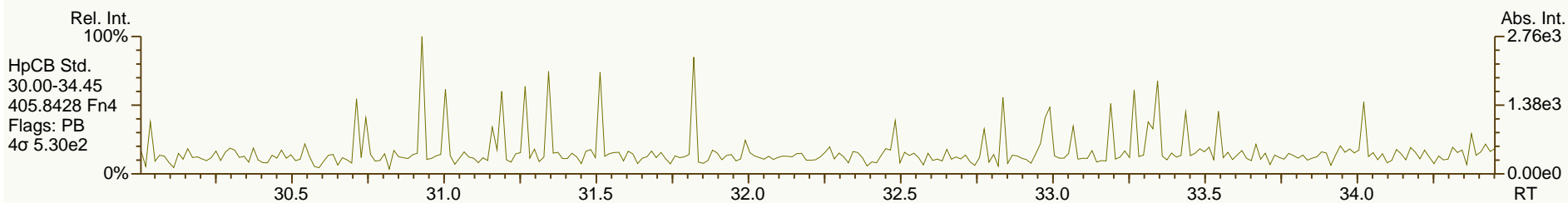
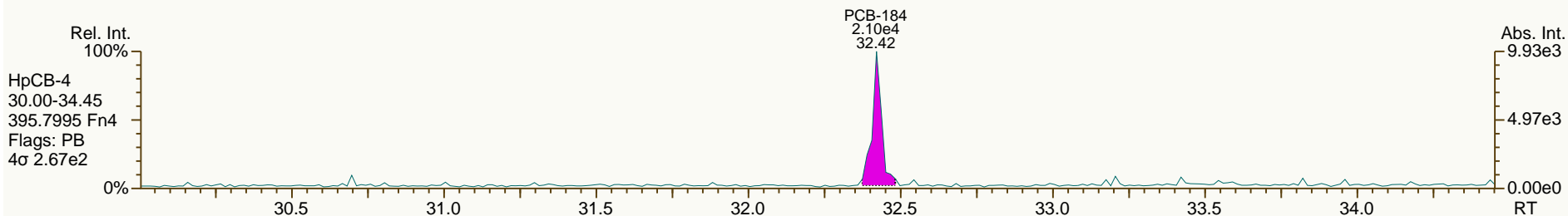
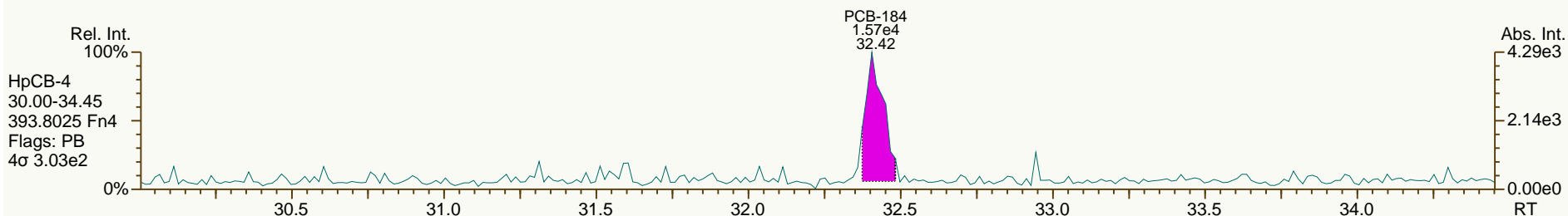
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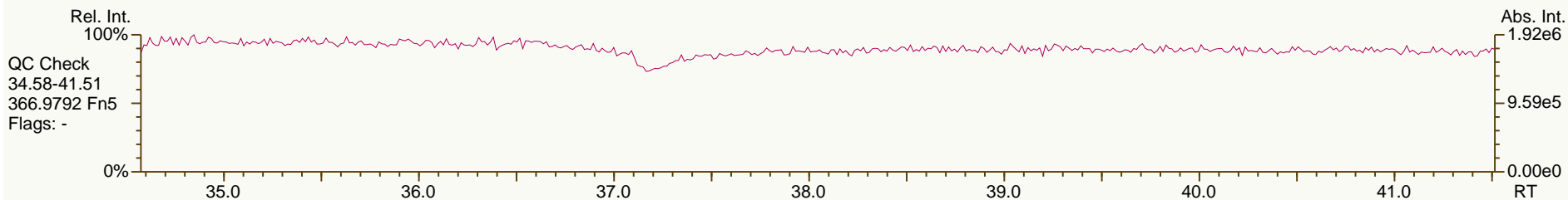
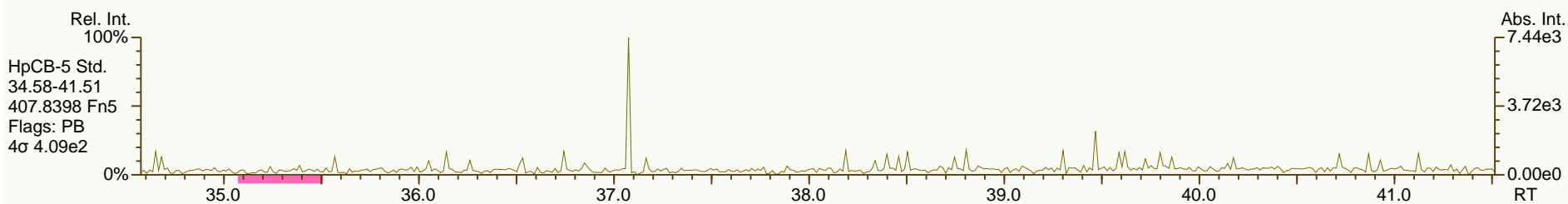
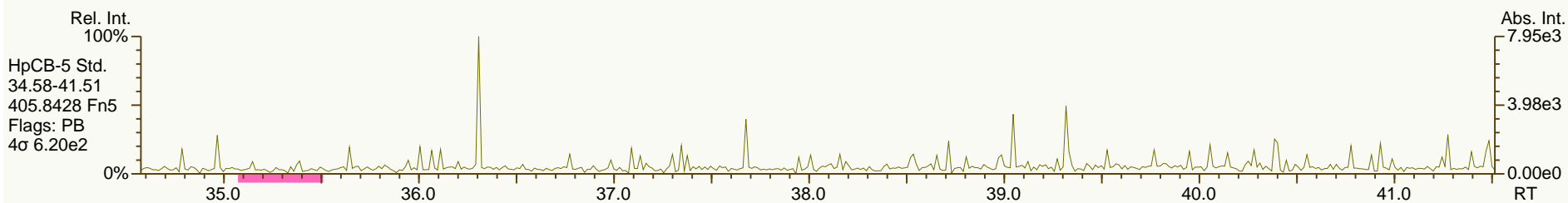
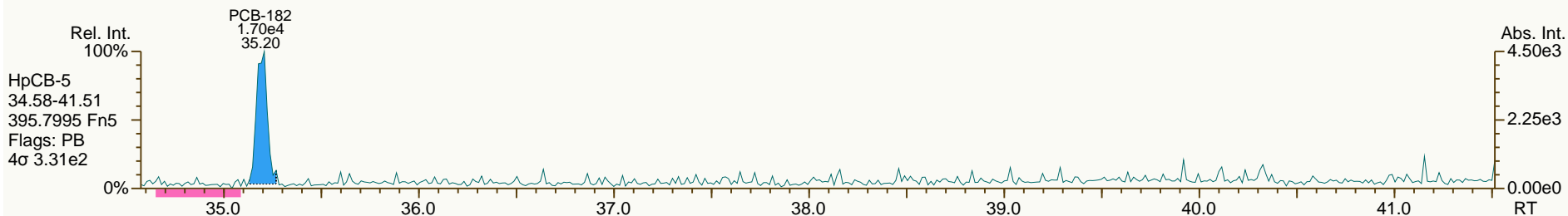
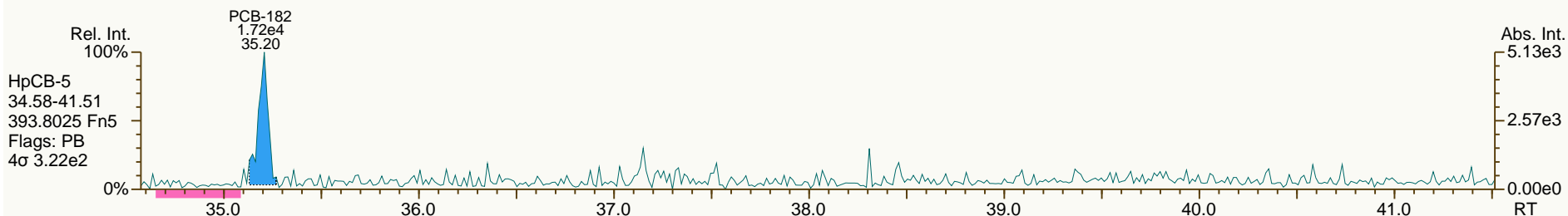
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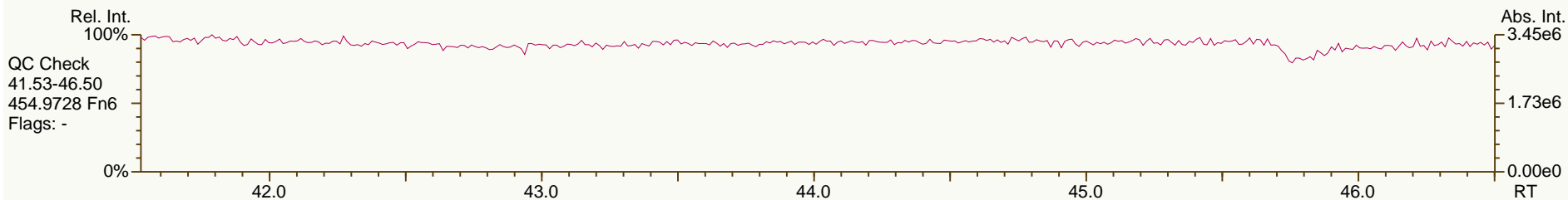
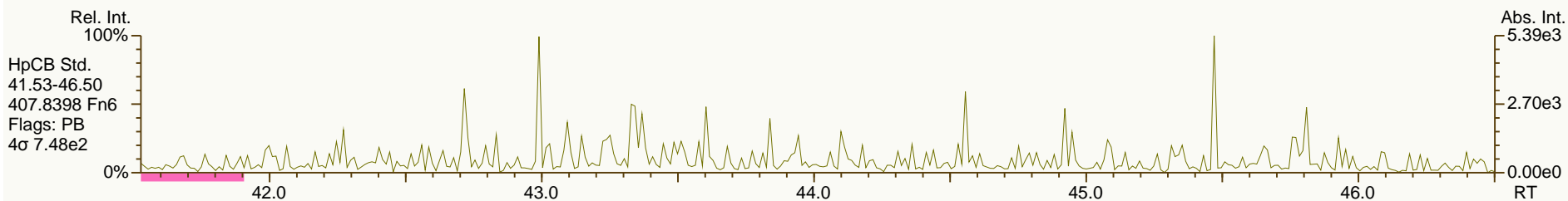
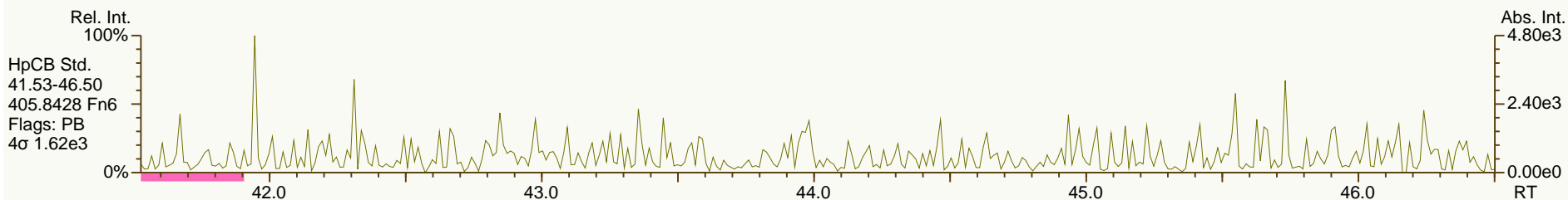
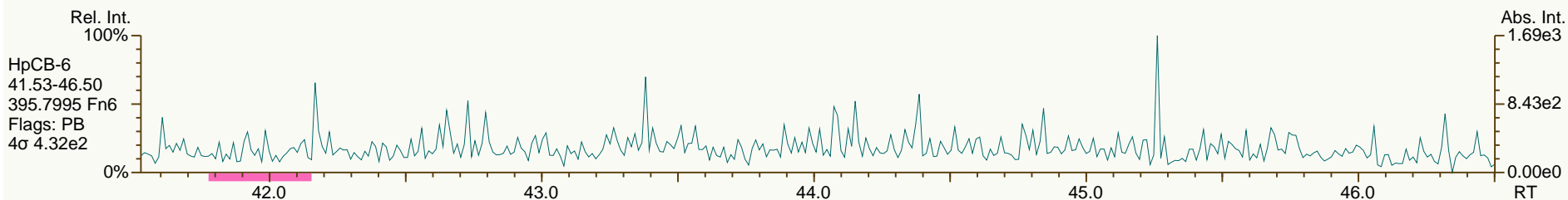
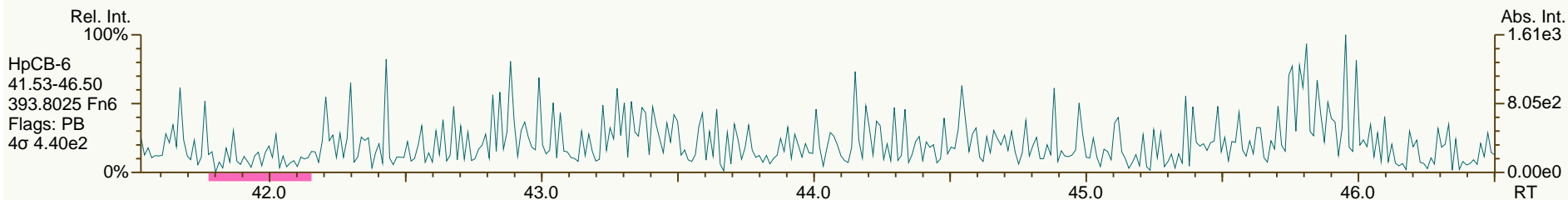
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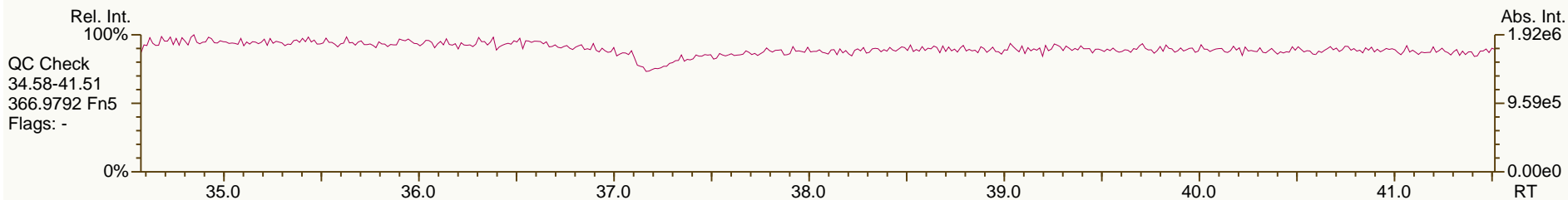
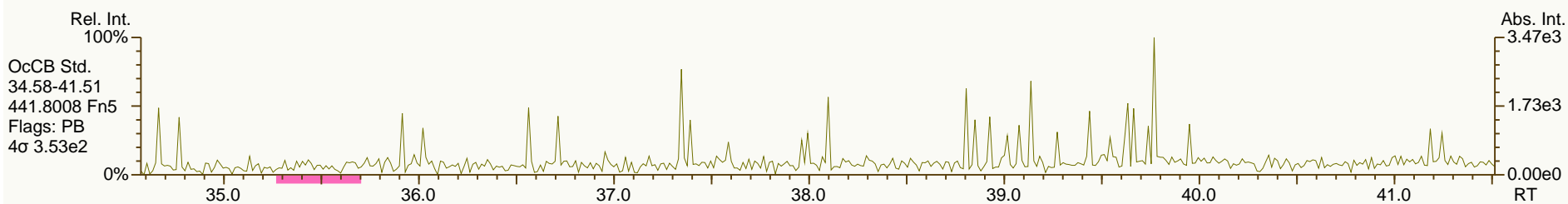
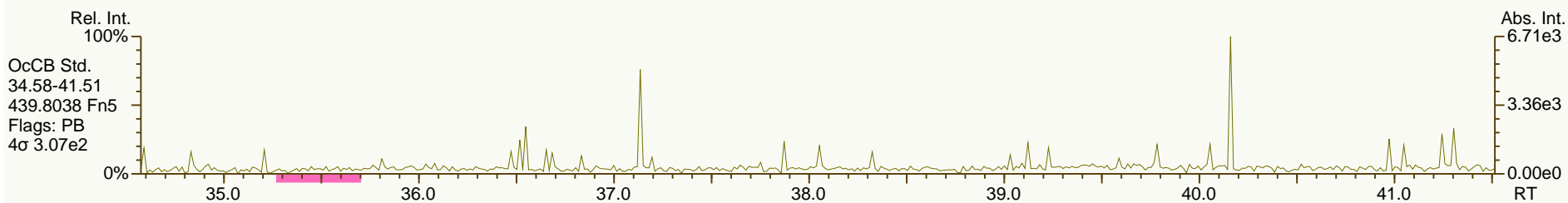
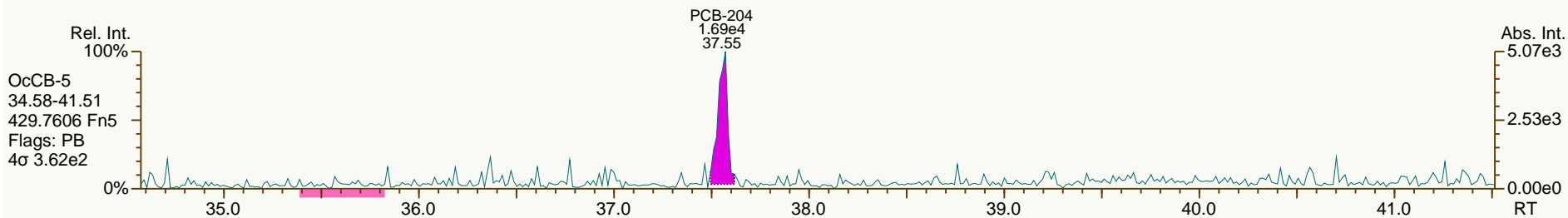
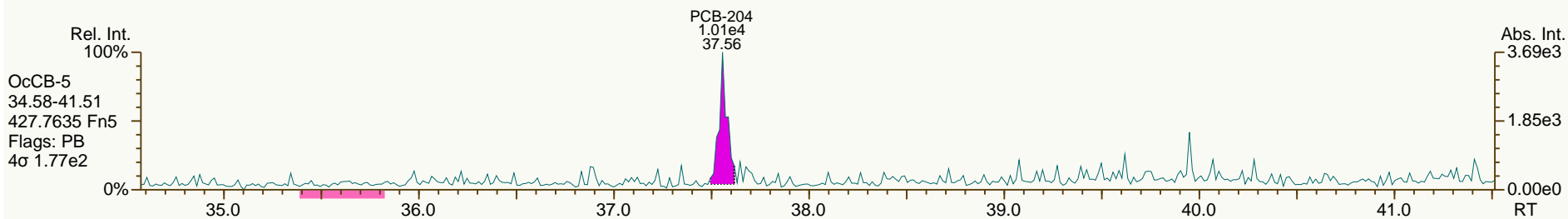
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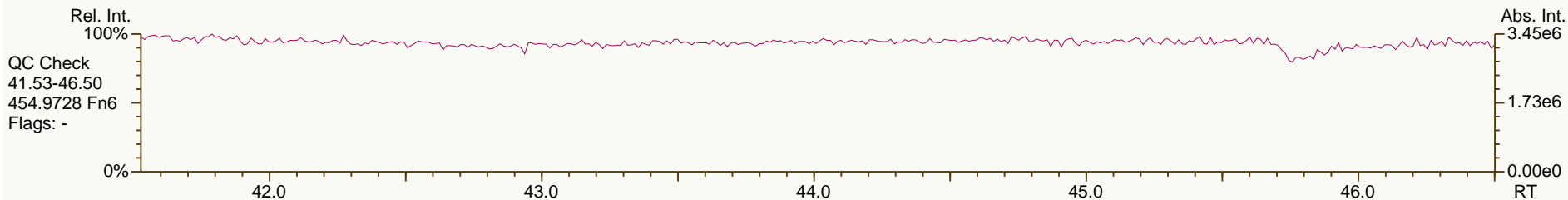
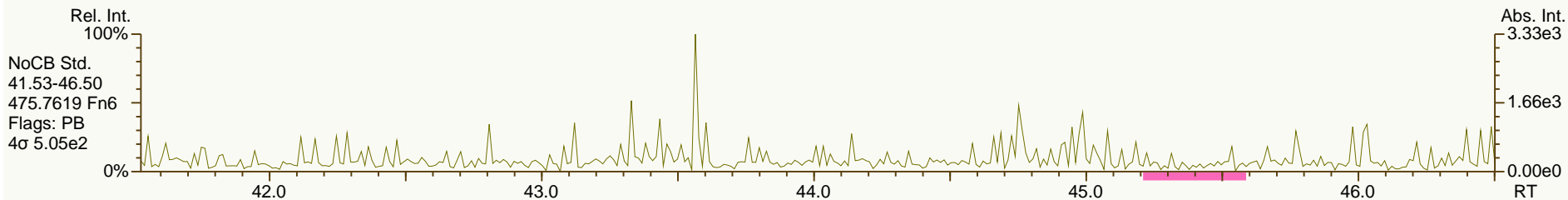
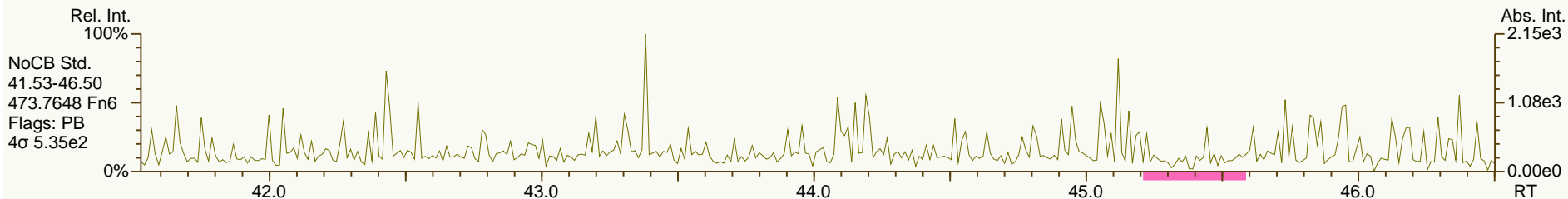
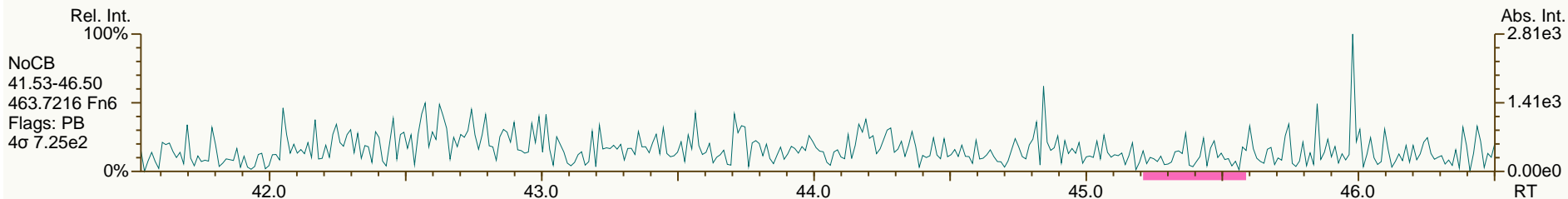
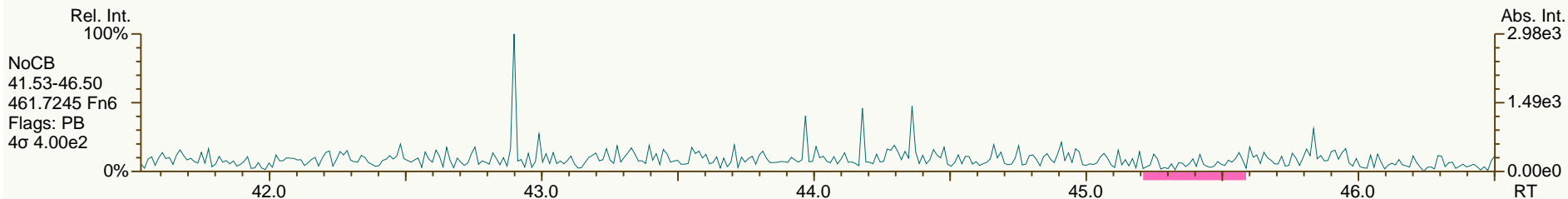
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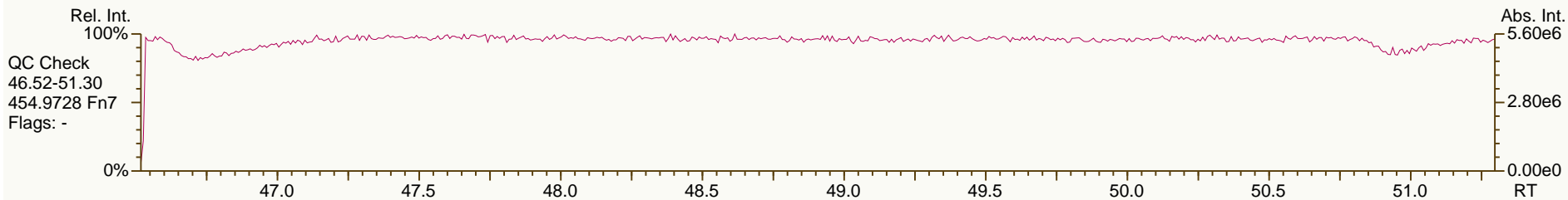
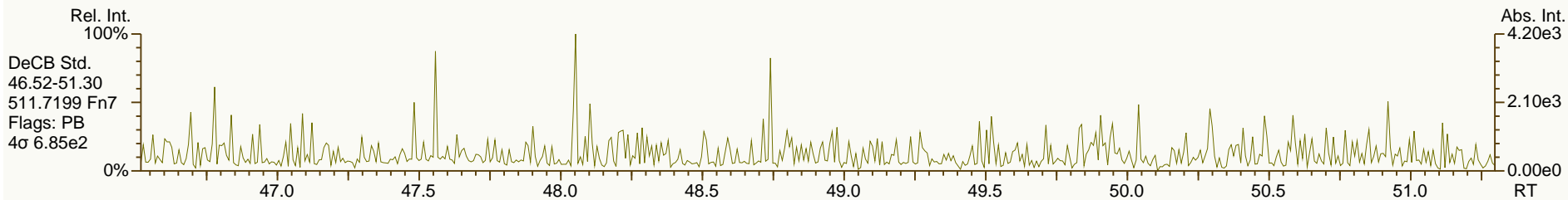
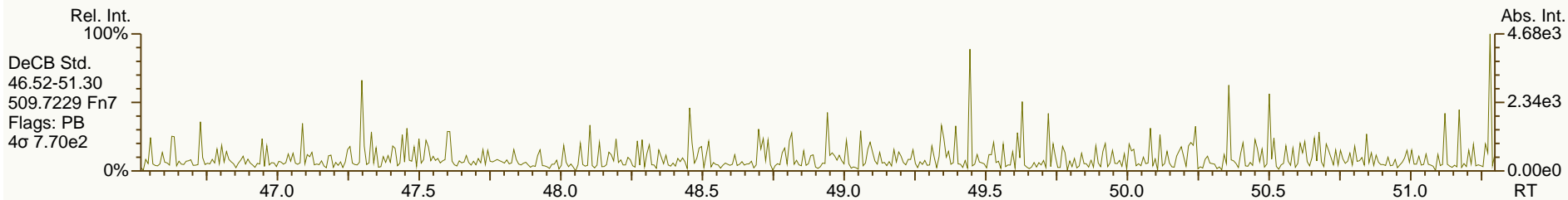
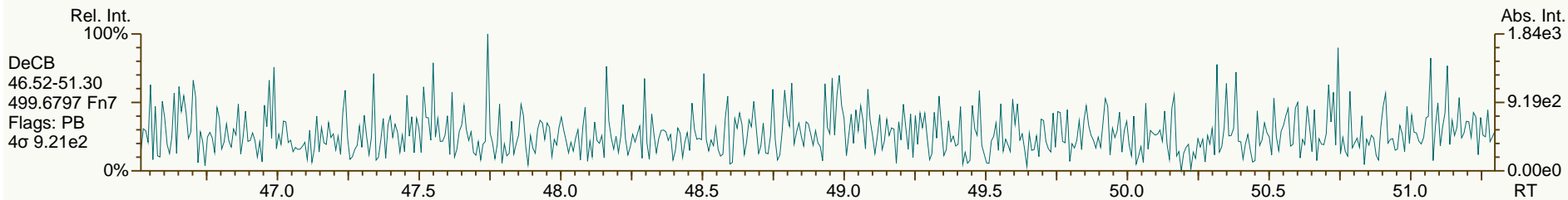
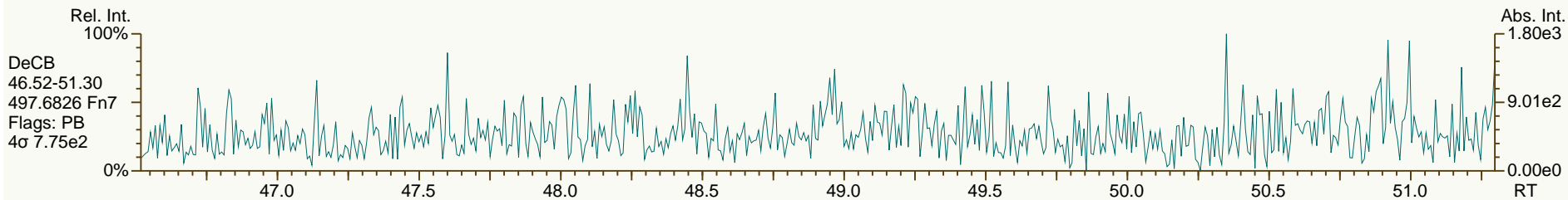
Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

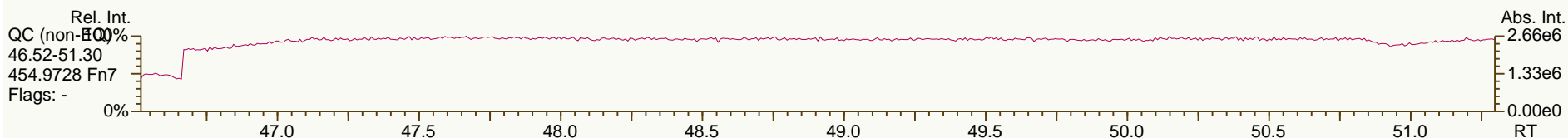
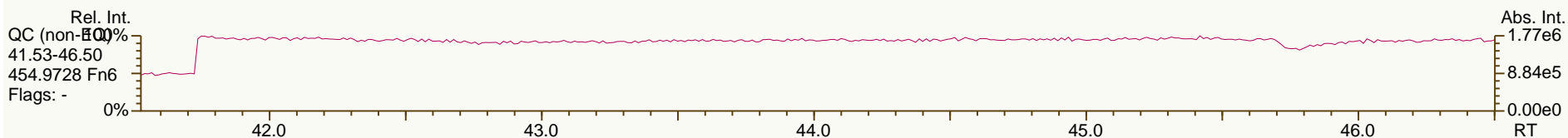
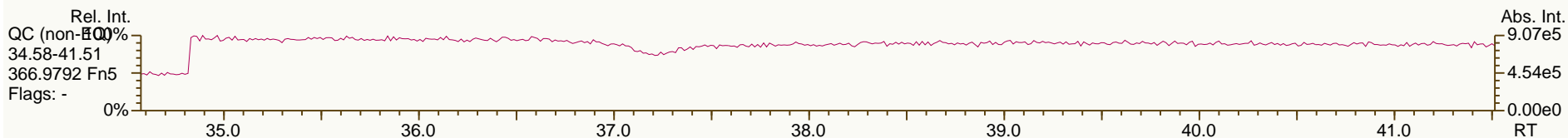
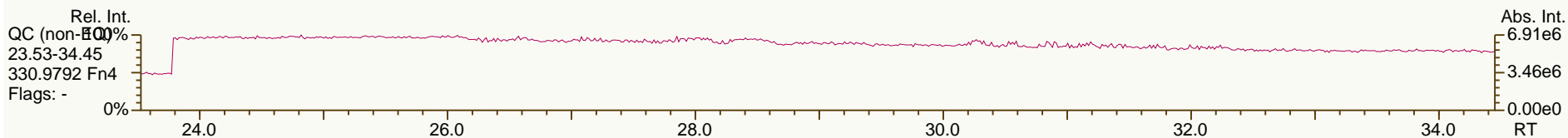
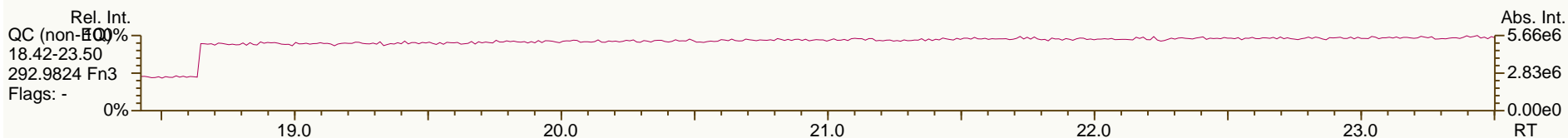
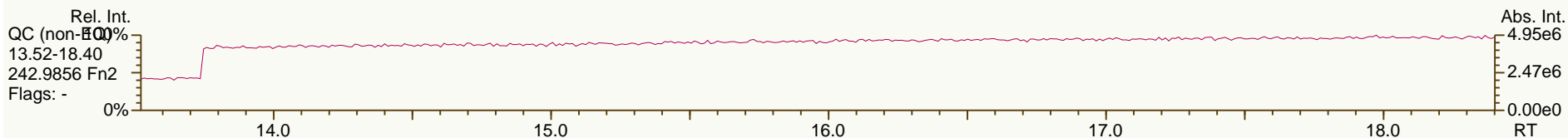
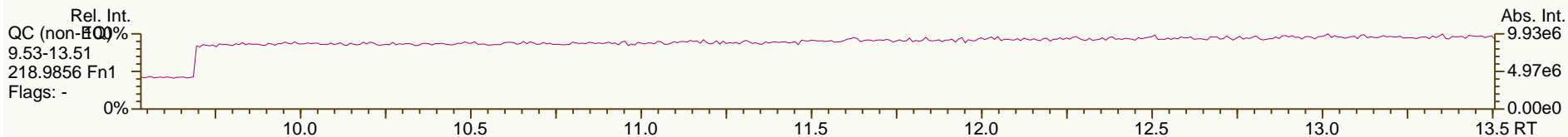
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 User: LKB Datafile: 120705S09



AP Lab ID: SBS_120705_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 3

Acq: 05-Jul-2012 19:11:21
 User: LKB Datafile: 120705S09



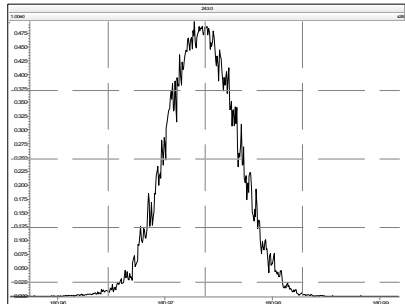
Experiment Calibration Report

MassLynx 4.1

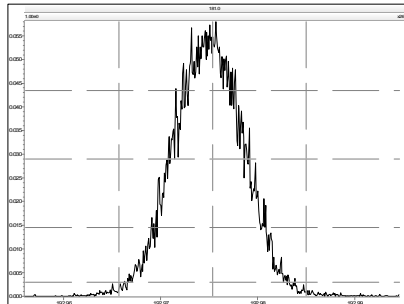
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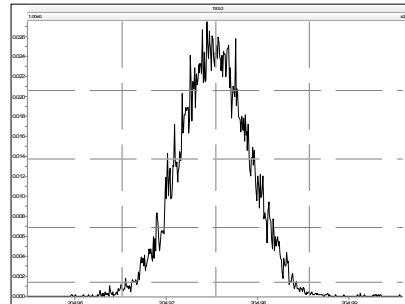
M 180.9888 R 12136



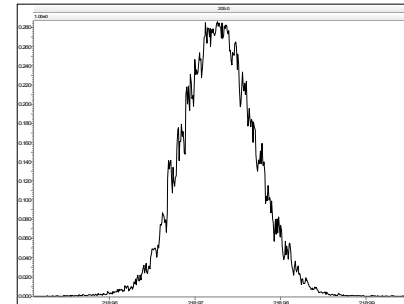
M 192.9888 R 11738



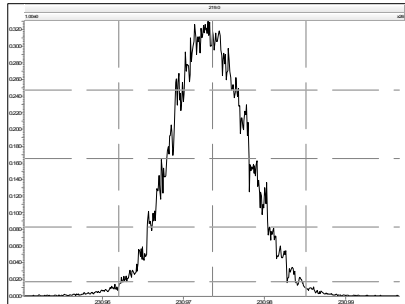
M 204.9888 R 11519



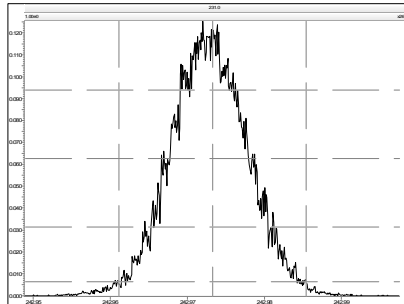
M 218.9856 R 11415



M 230.9856 R 10685



M 242.9856 R 10821



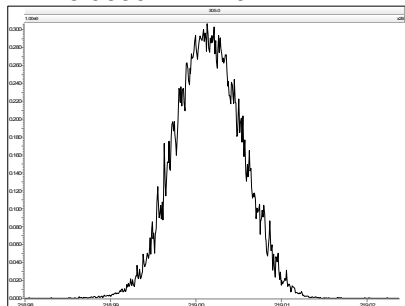
Experiment Calibration Report

MassLynx 4.1

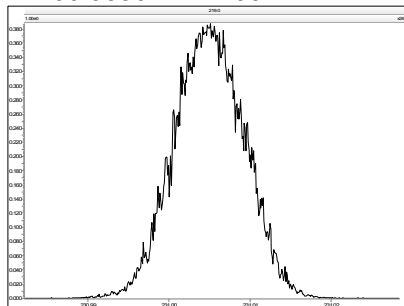
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Printed: Thursday, July 05, 2012 11:30:40 Eastern Daylight Time

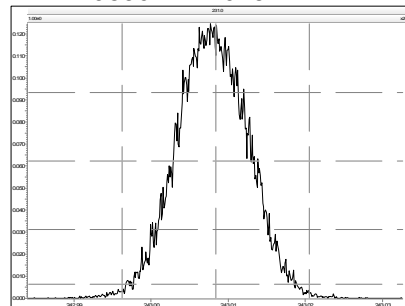
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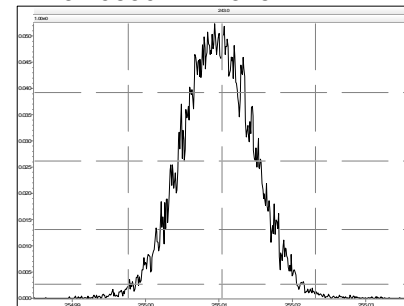
M 230.9856 R 11795



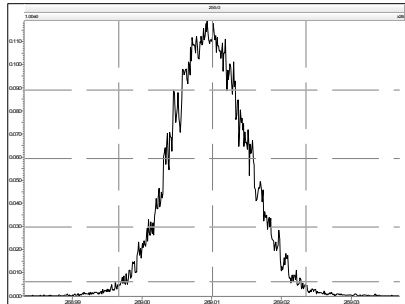
M 242.9856 R 11628



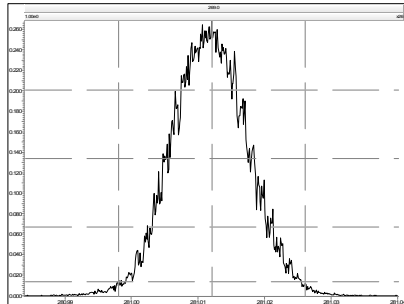
M 254.9856 R 11518



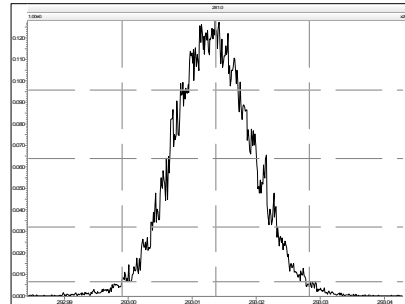
M 268.9824 R 11111



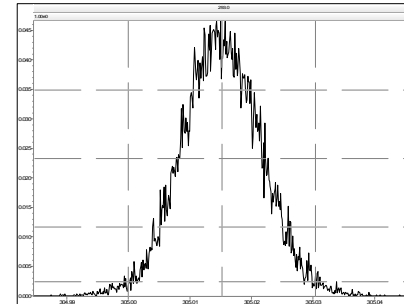
M 280.9824 R 10636



M 292.9824 R 10164



M 304.9824 R 11260



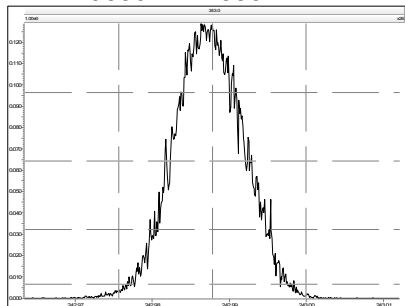
Experiment Calibration Report

MassLynx 4.1

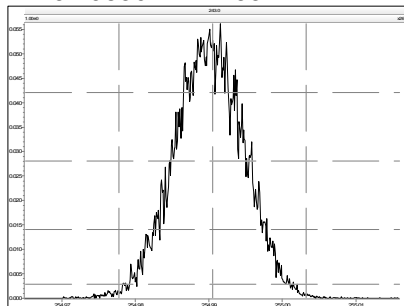
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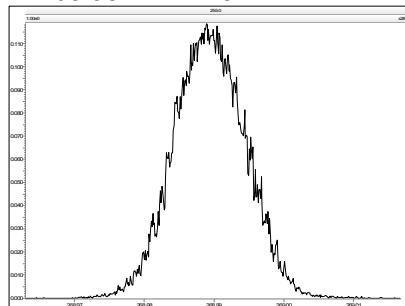
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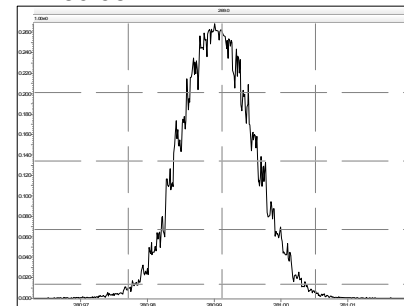
M 254.9856 R 12255



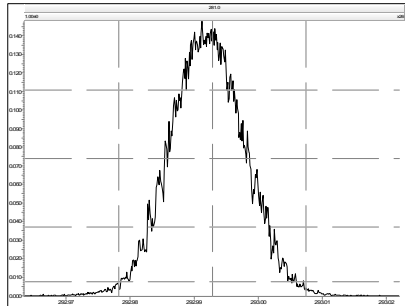
M 268.9824 R 11317



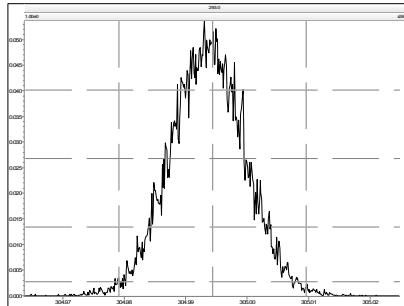
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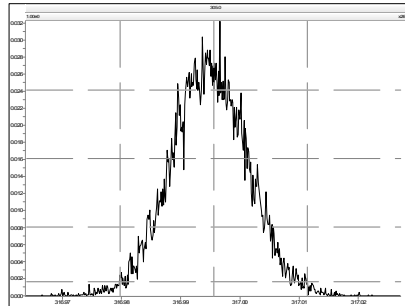
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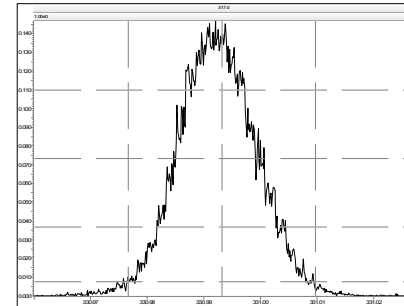
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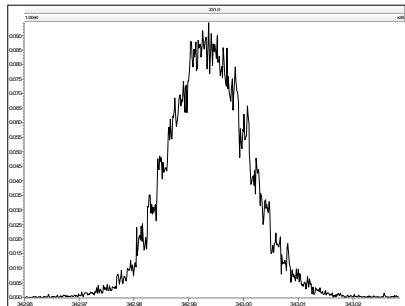
M 316.9824 R 11464



M 330.9792 R 10823



M 342.9792 R 10120



Experiment Calibration Report

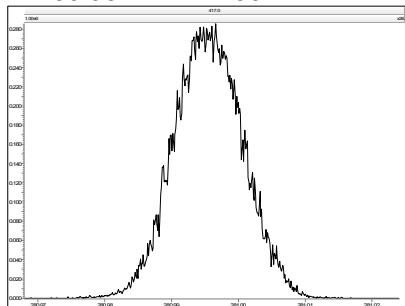
MassLynx 4.1

Page 1 of 1

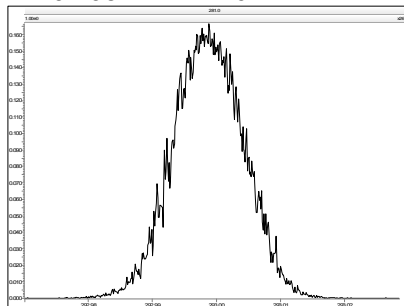
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Printed: Thursday, July 05, 2012 11:31:33 Eastern Daylight Time

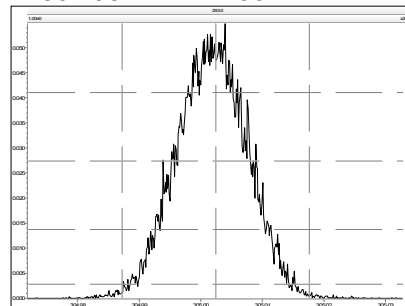
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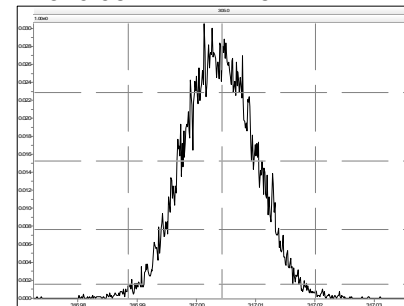
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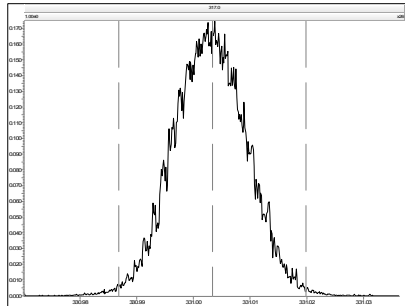
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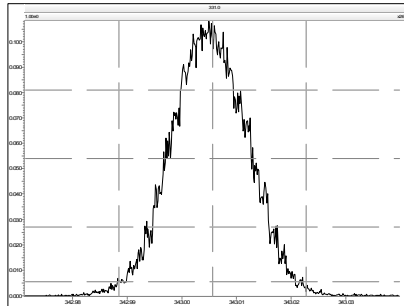
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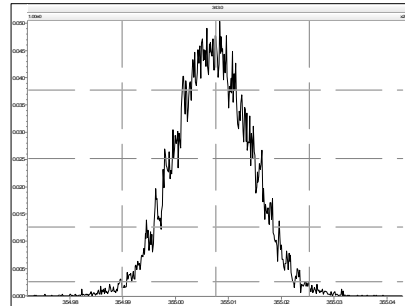
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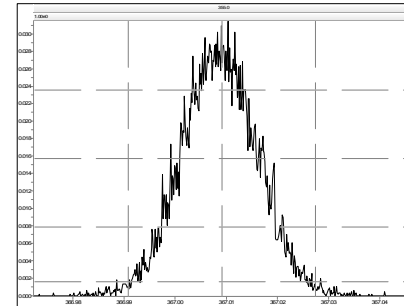
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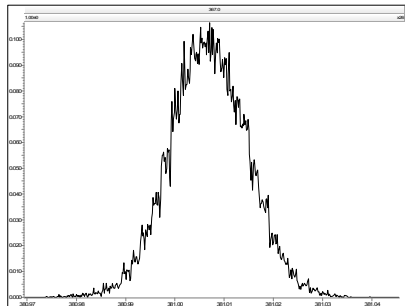
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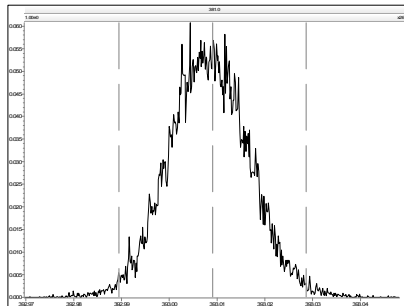
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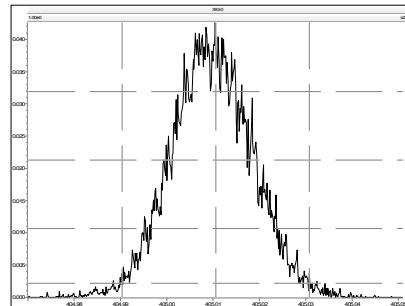
M 380.9760 R 10504



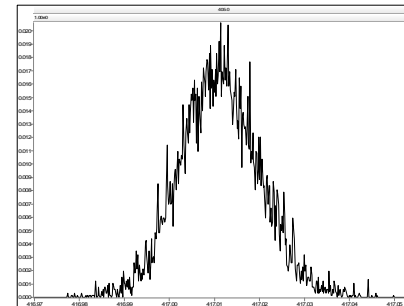
M 392.9760 R 9879



M 404.9760 R 10246



M 416.9760 R 10330



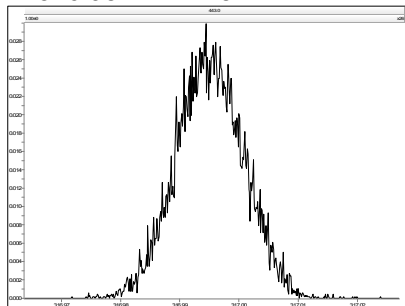
Experiment Calibration Report

MassLynx 4.1

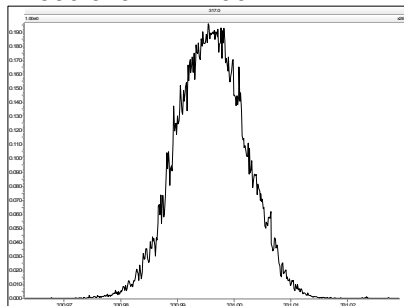
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Printed: Thursday, July 05, 2012 11:32:08 Eastern Daylight Time

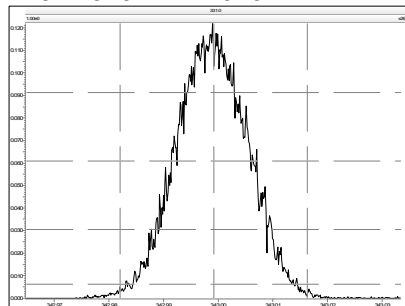
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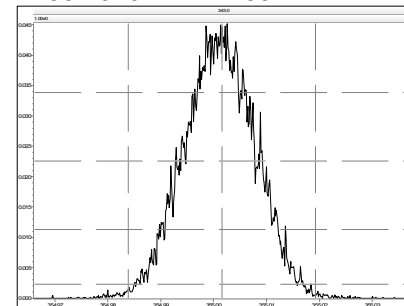
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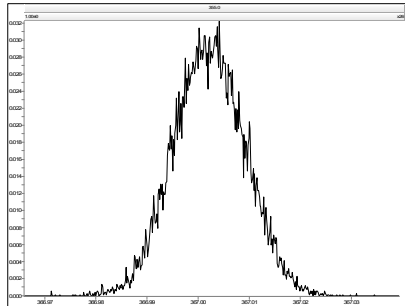
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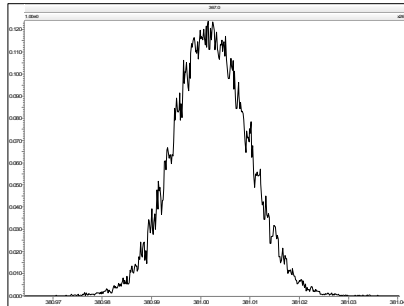
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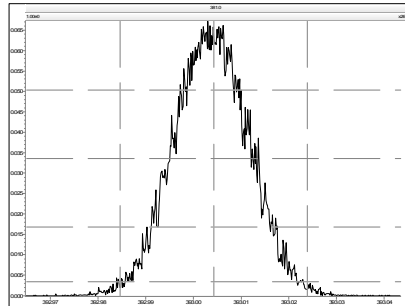
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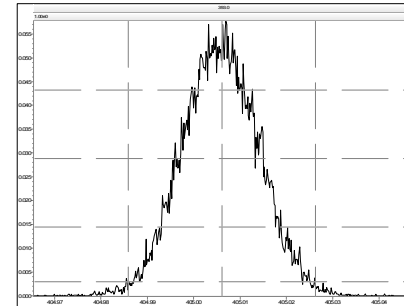
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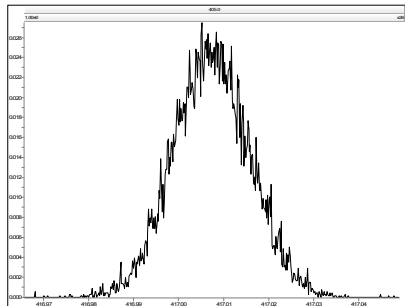
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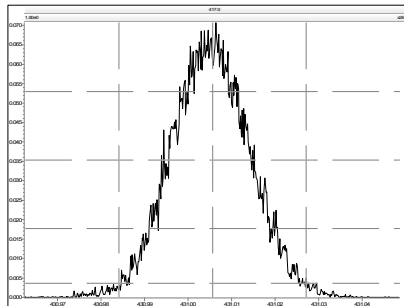
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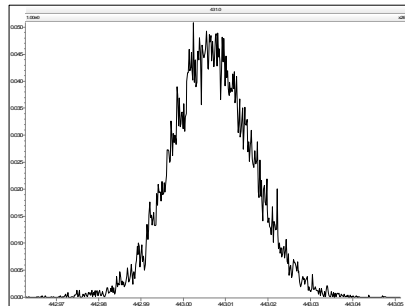
M 416.9760 R 10822



M 430.9728 R 10868



M 442.9728 R 10730



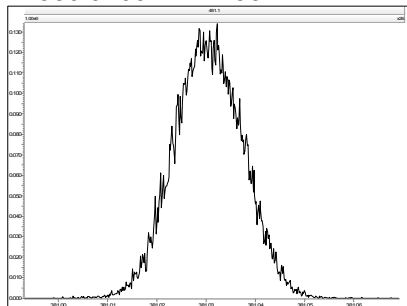
Experiment Calibration Report

MassLynx 4.1

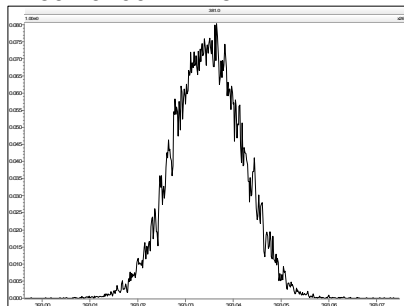
File: Experiment: pcb-2011-08.exp Reference: Pfk2.ref Function: 6 @ 200 (ppm)

Printed: Thursday, July 05, 2012 11:32:33 Eastern Daylight Time

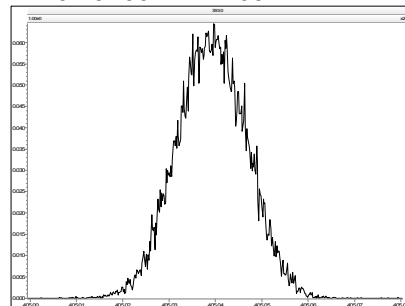
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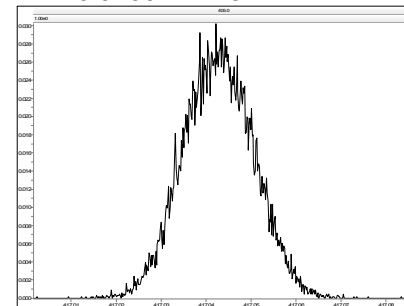
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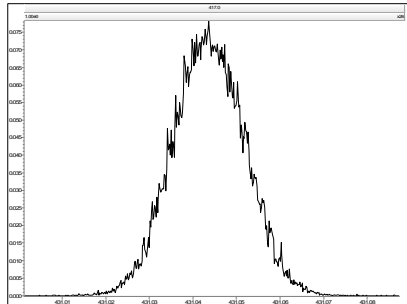
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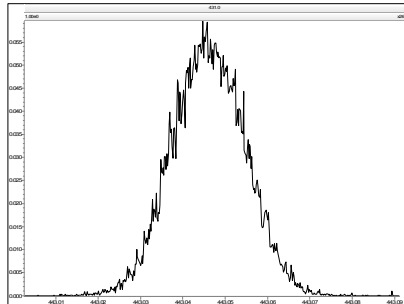
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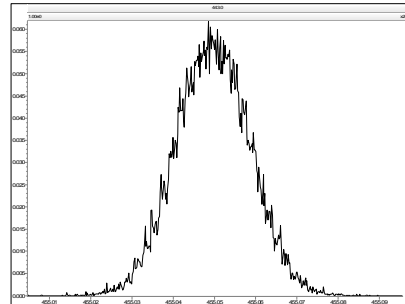
M 430.9728 R 11311



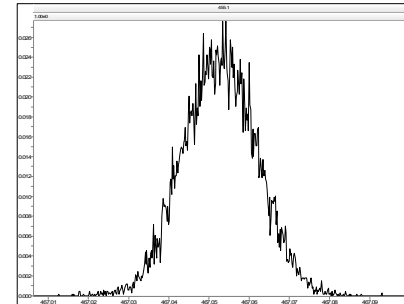
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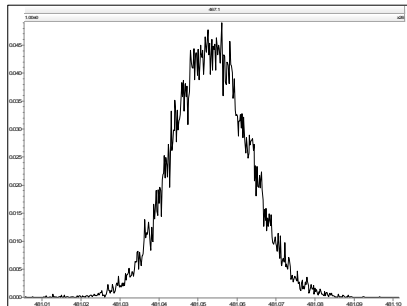
M 454.9728 R 11059



M 466.9728 R 10822



M 480.9696 R 10640



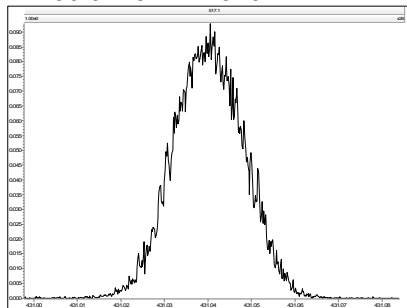
Experiment Calibration Report

MassLynx 4.1

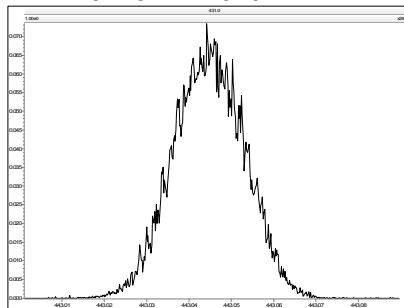
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Printed: Thursday, July 05, 2012 11:32:54 Eastern Daylight Time

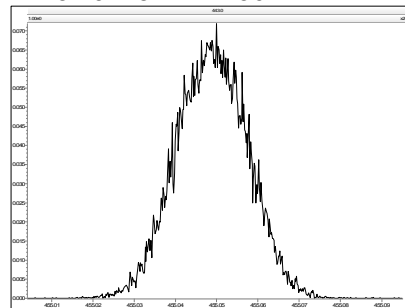
M 430.9728 R 11573



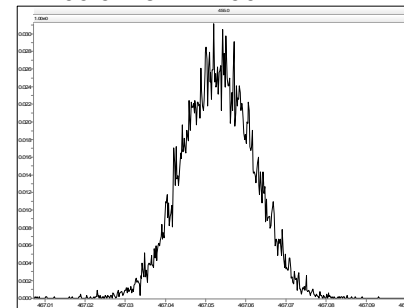
M 442.9728 R 11310



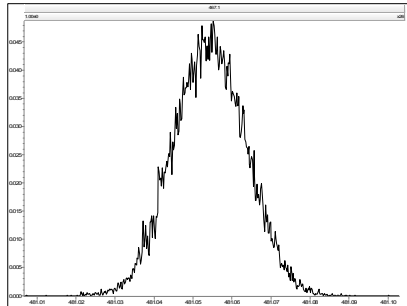
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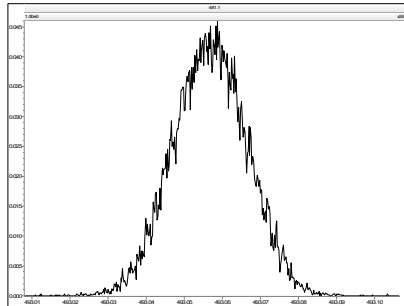
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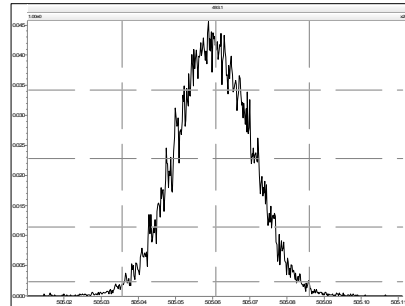
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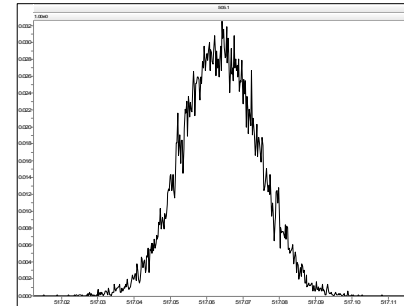
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M 504.9696 R 11363



M 516.9697 R 10640

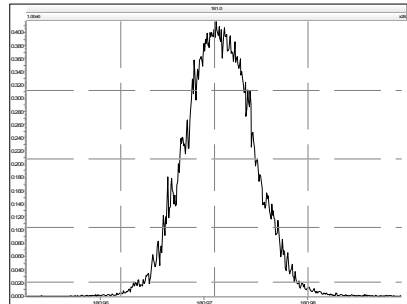


Resolution Check Report

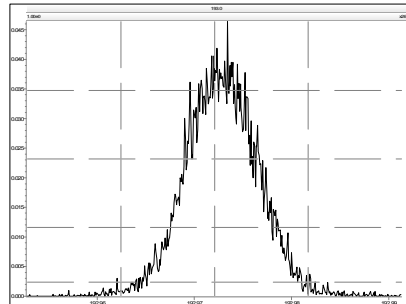
MassLynx 4.1

Printed: Thursday, July 05, 2012 21:14:16 Eastern Daylight Time

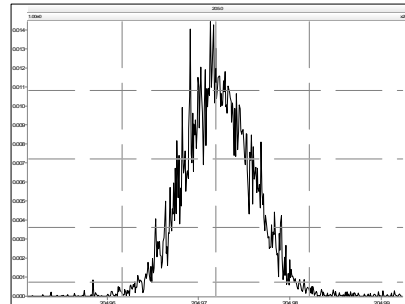
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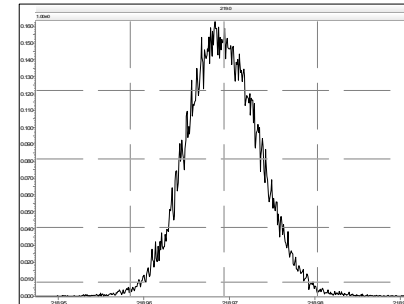
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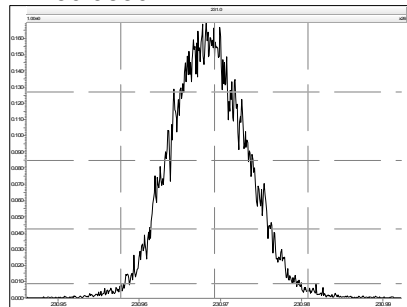
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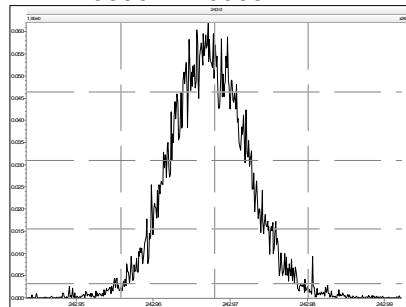
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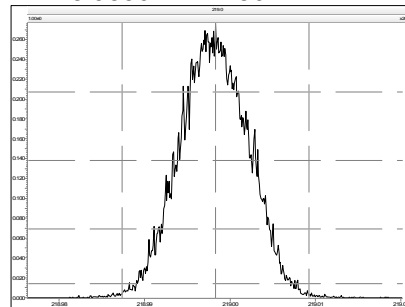
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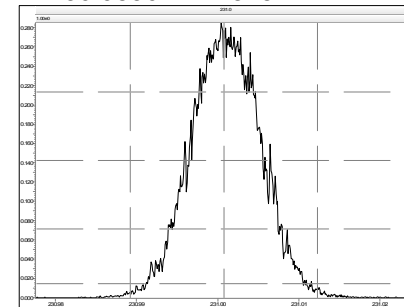
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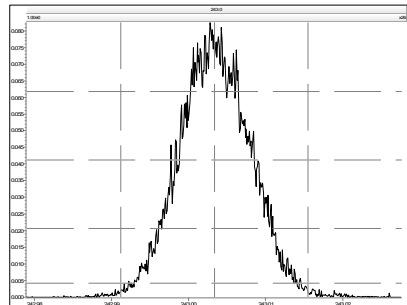
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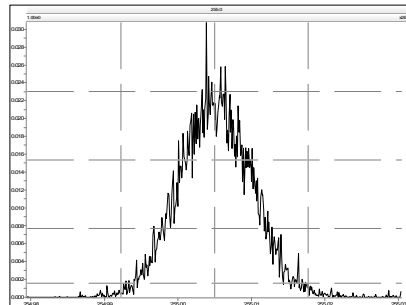
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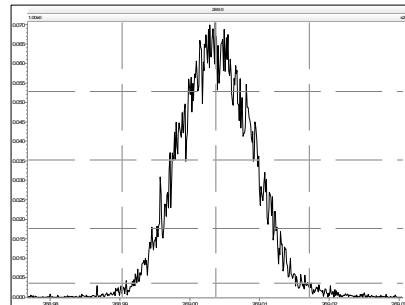
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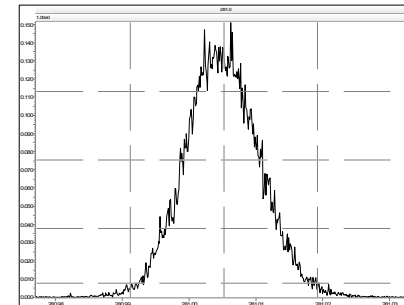
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M 268.9824 R 11275



M 280.9824 R 10965

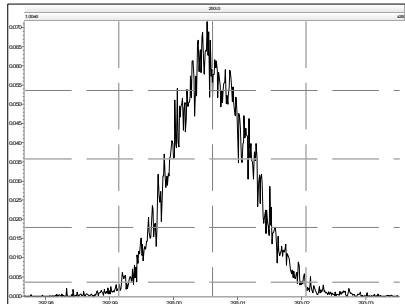


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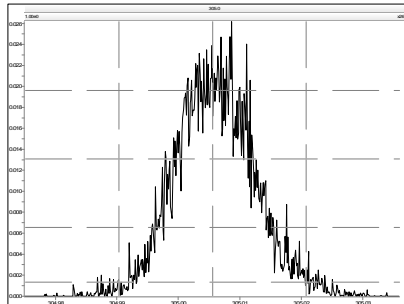
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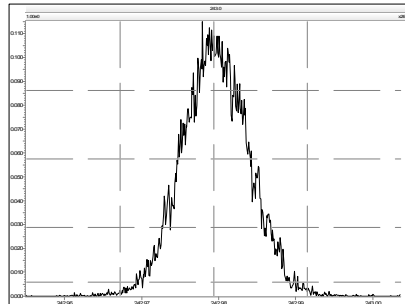
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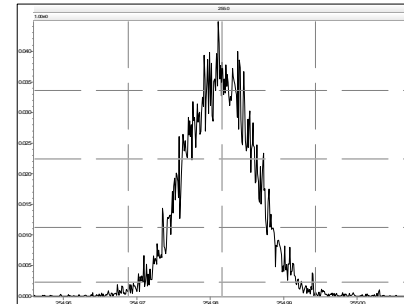
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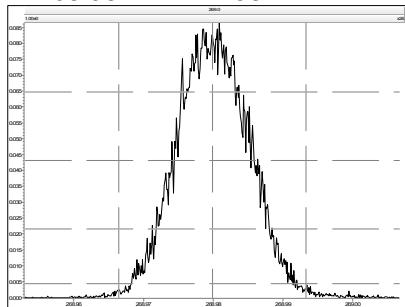
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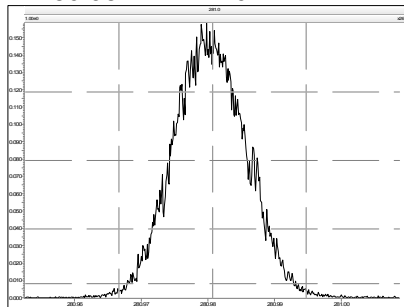
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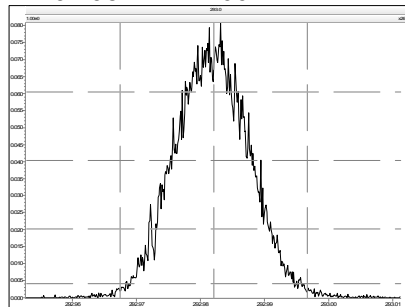
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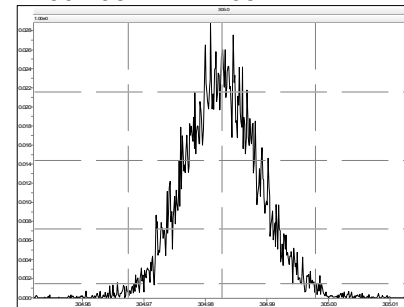
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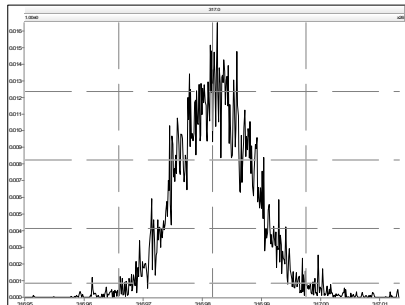
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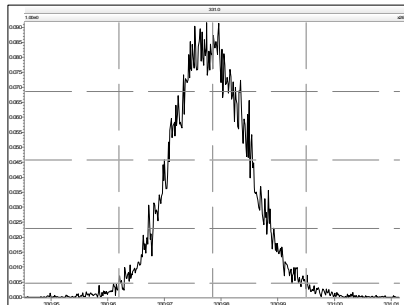
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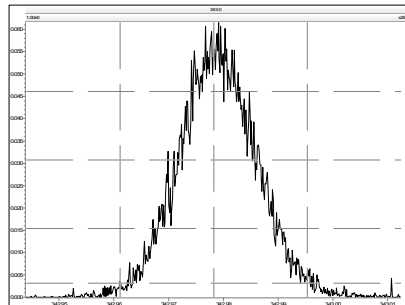
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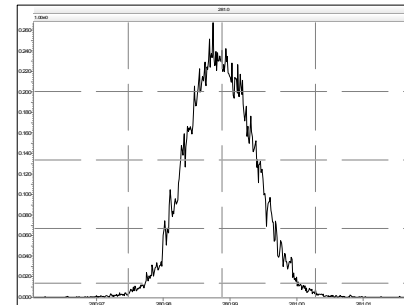
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M 342.9792 R 10639



M 280.9824 R 12376



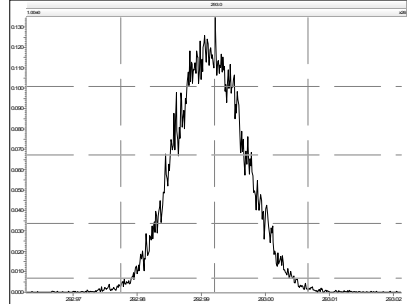
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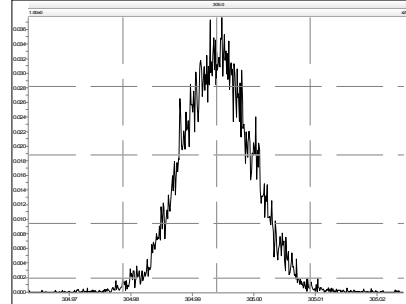
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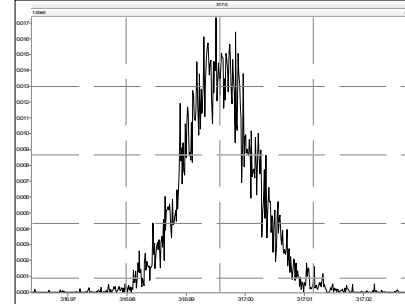
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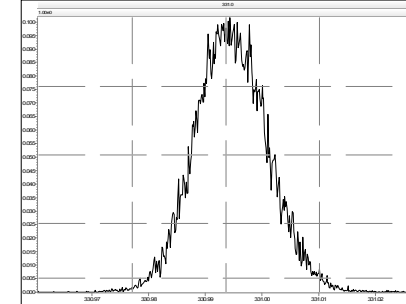
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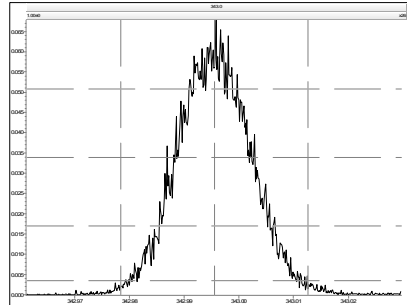
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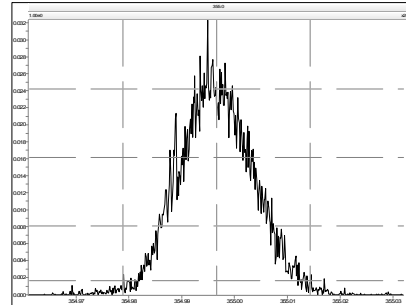
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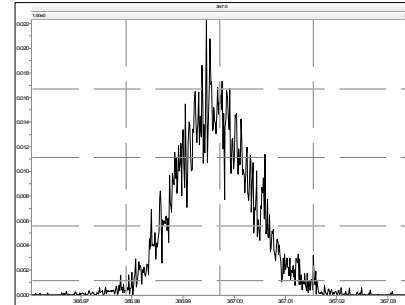
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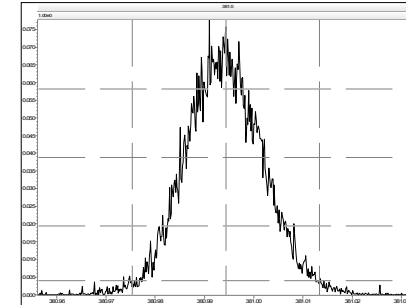
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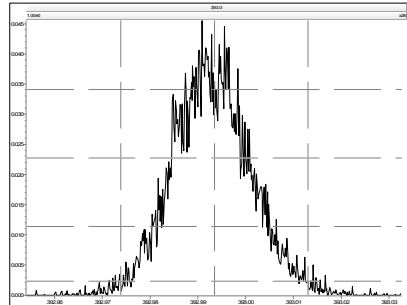
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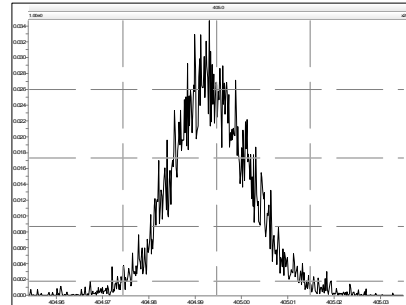
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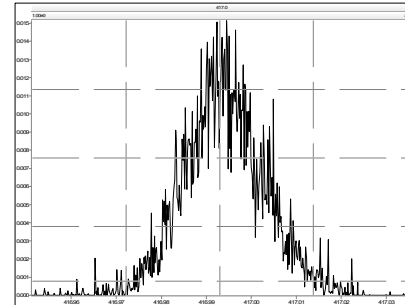
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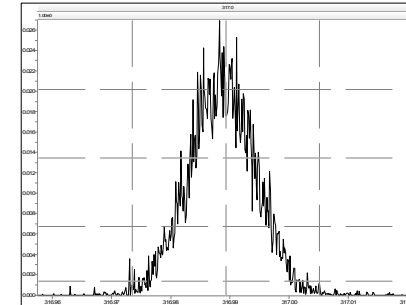
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M 416.9760 R 11444



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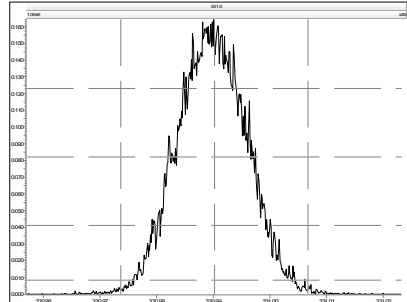


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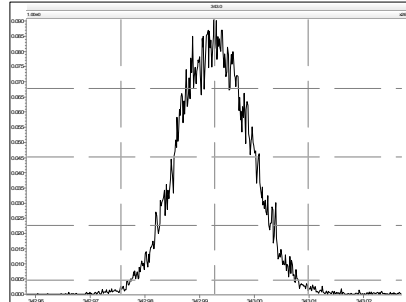
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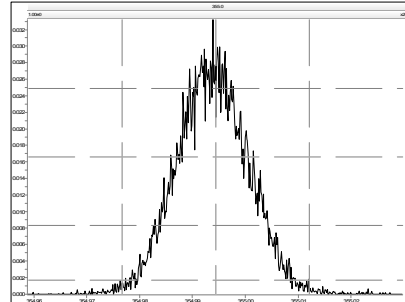
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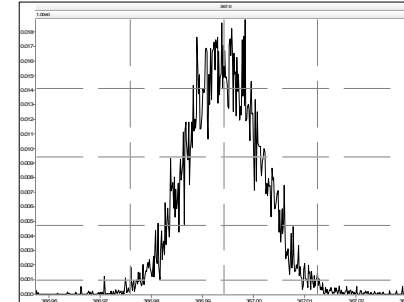
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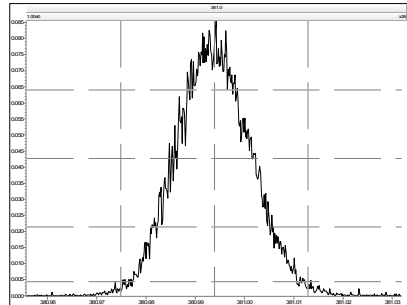
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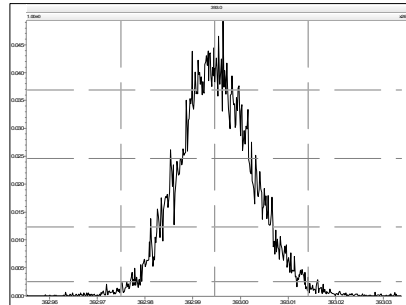
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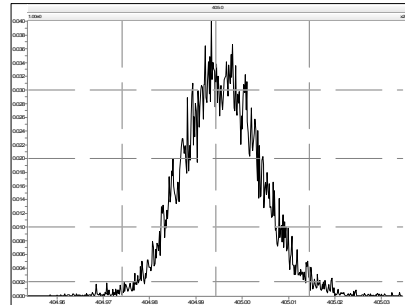
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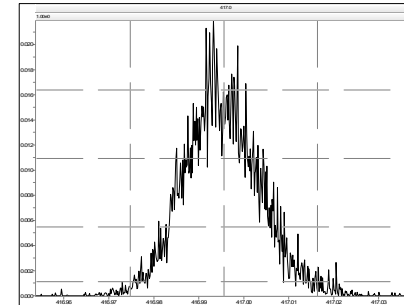
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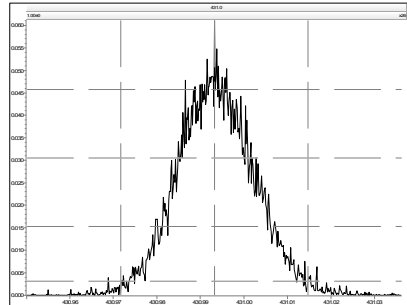
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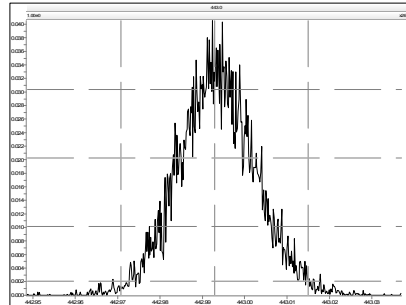
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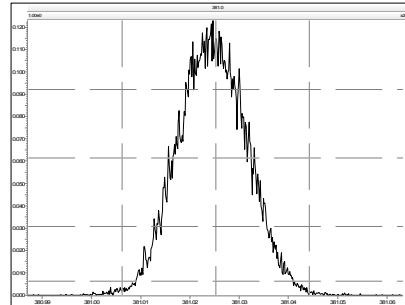
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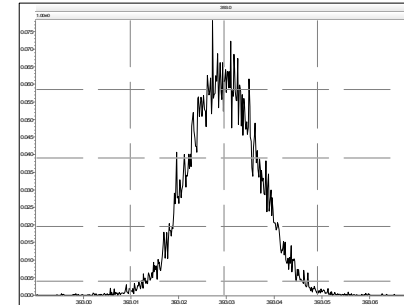
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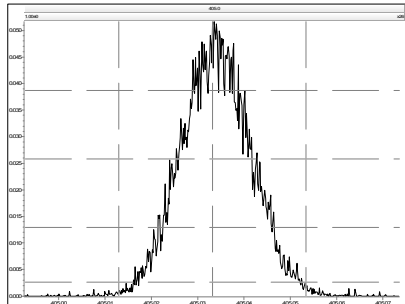
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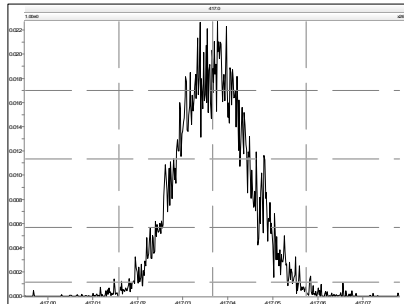
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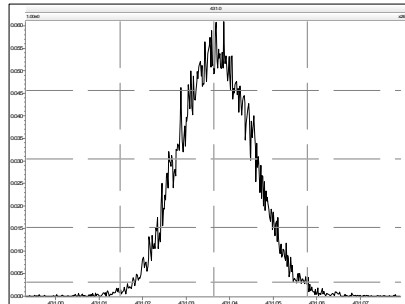
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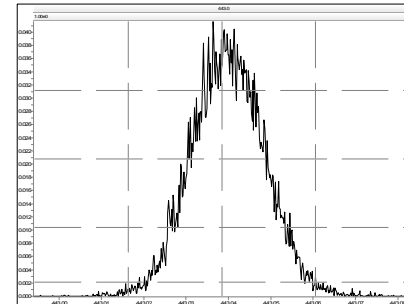
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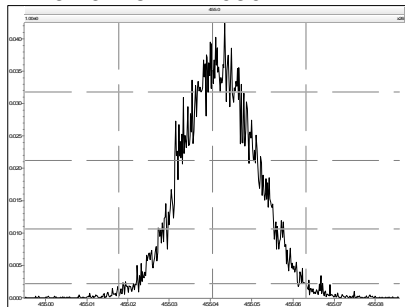
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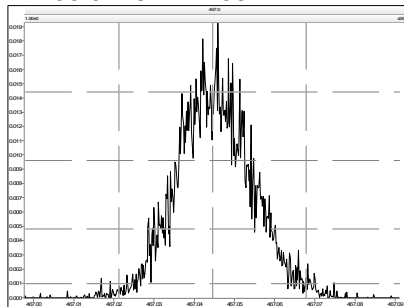
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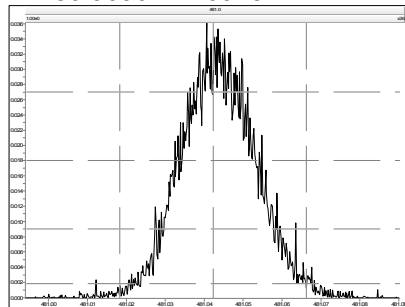
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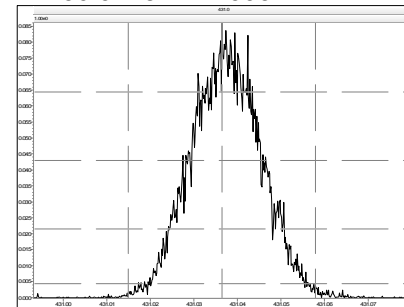
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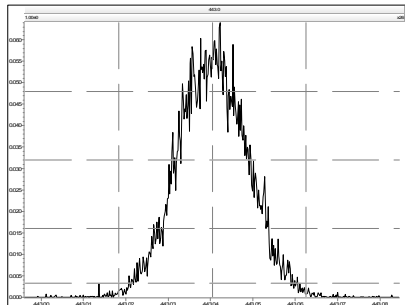
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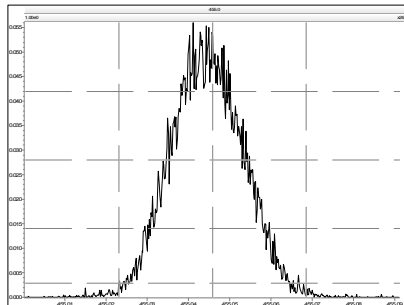
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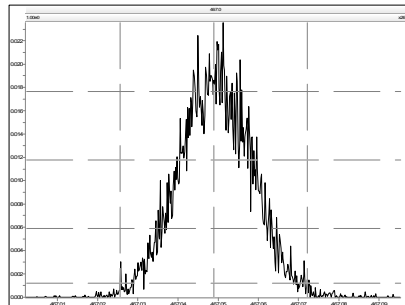
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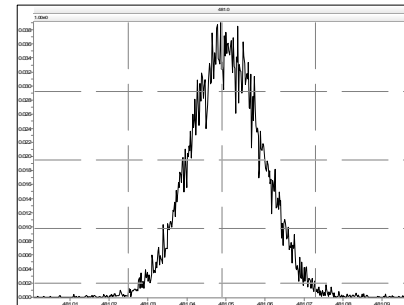
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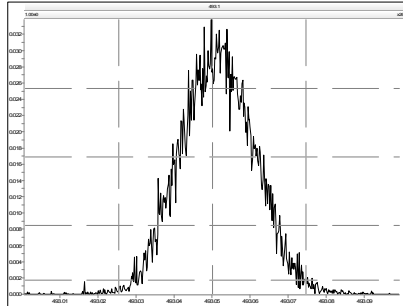
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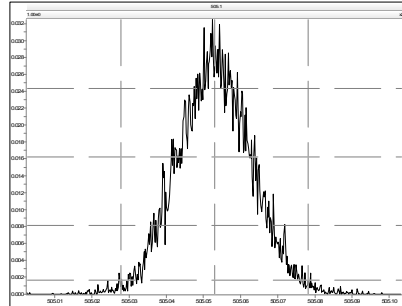
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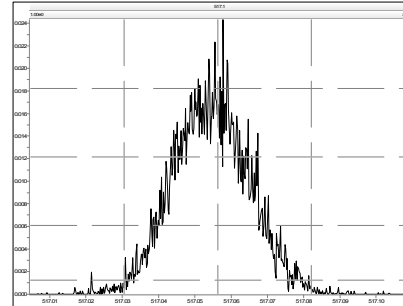
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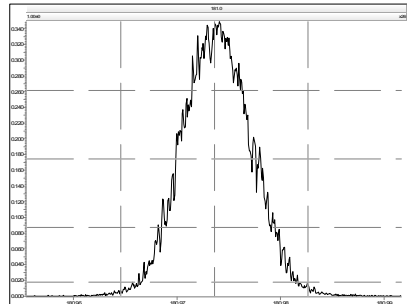


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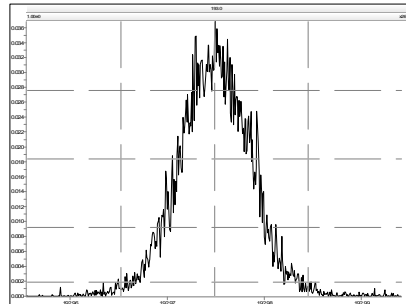
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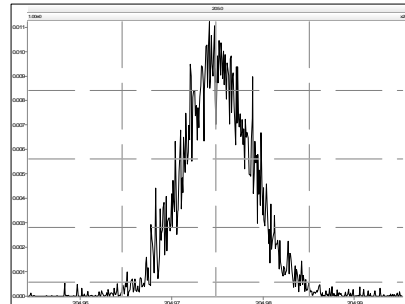
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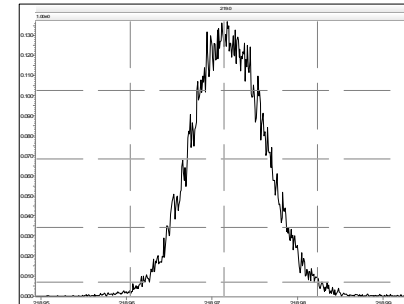
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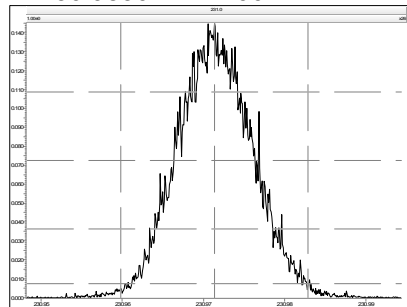
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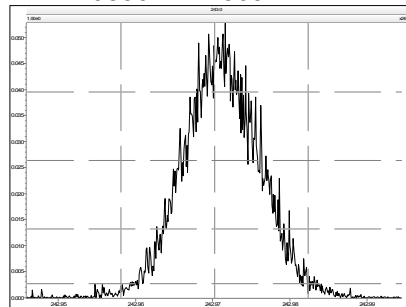
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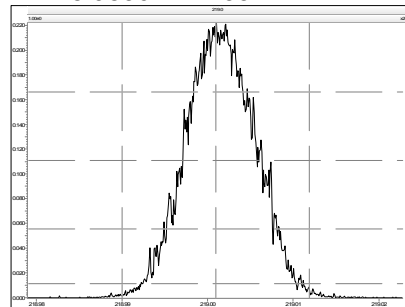
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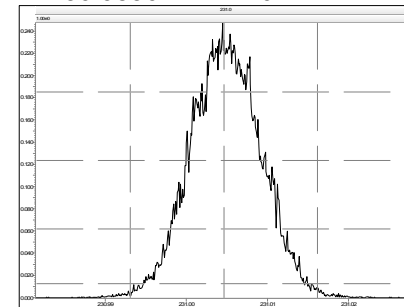
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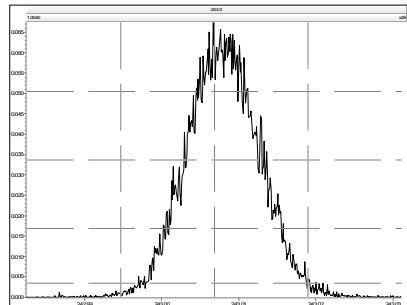
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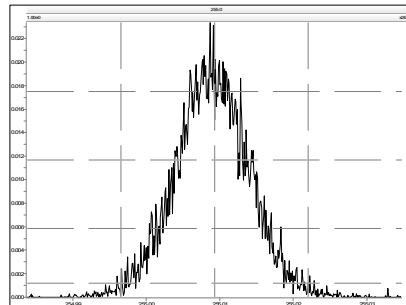
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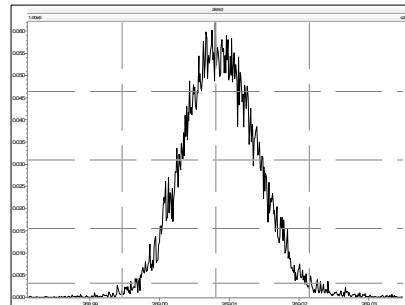
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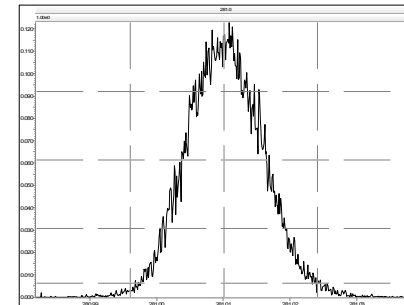
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M 268.9824 R 11501



M 280.9824 R 10946

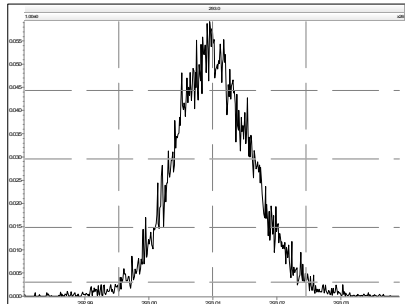


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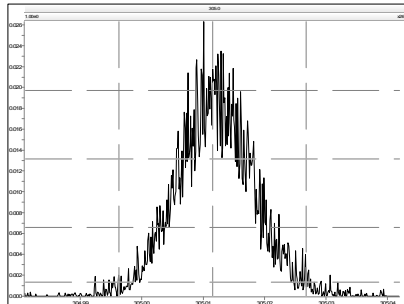
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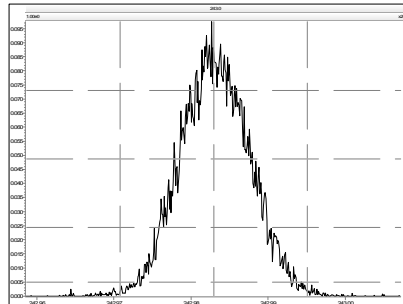
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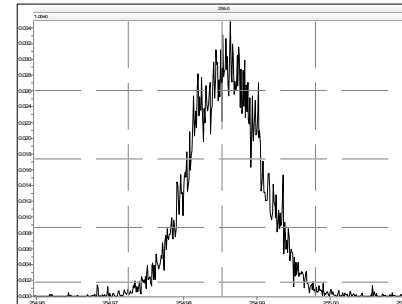
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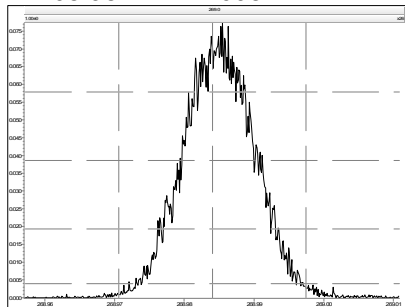
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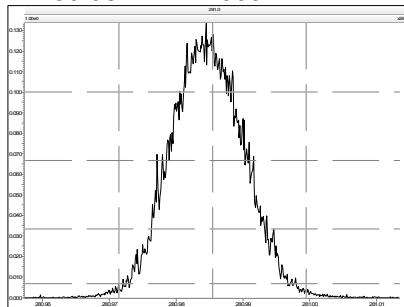
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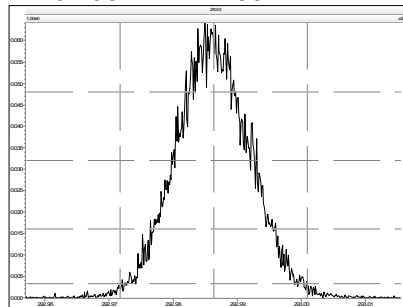
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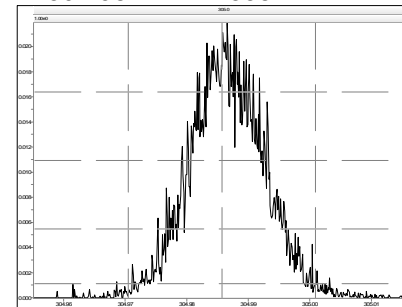
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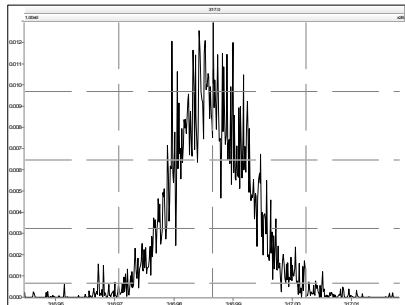
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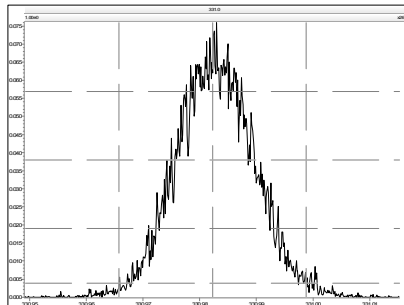
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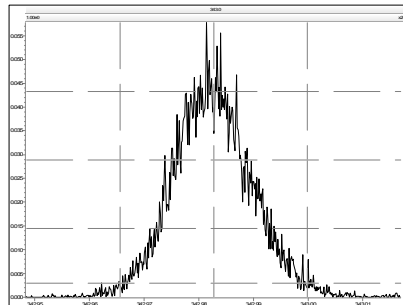
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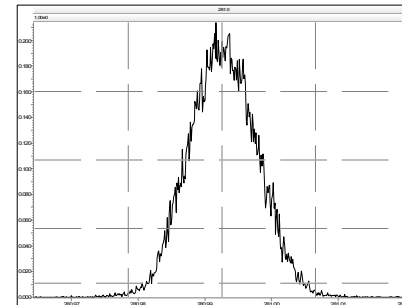
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M 342.9792 R 11188



M 280.9824 R 11876

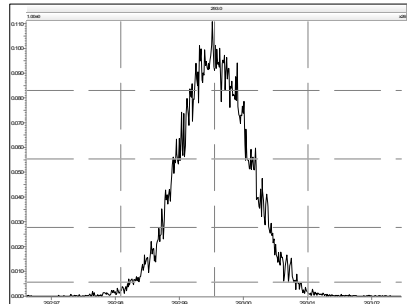


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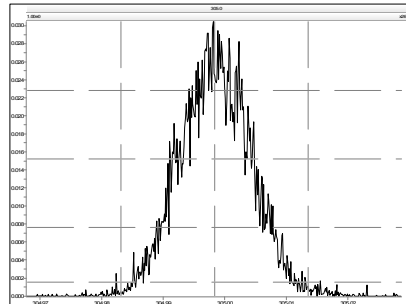
MassLynx 4.1

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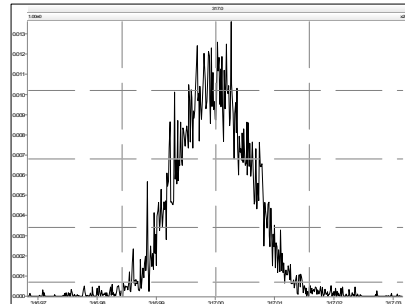
M 292.9824 R 11469



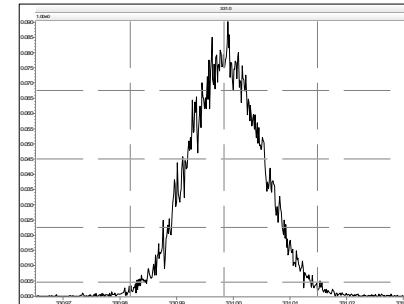
M 304.9824 R 11820



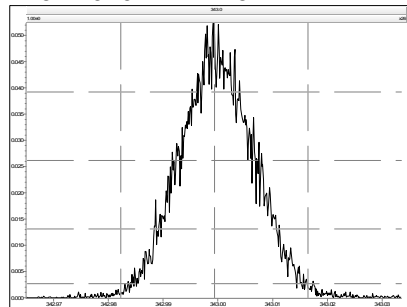
M 316.9824 R 12789



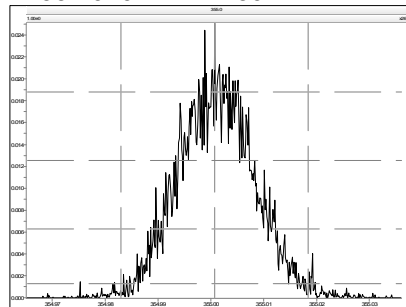
M 330.9792 R 11242



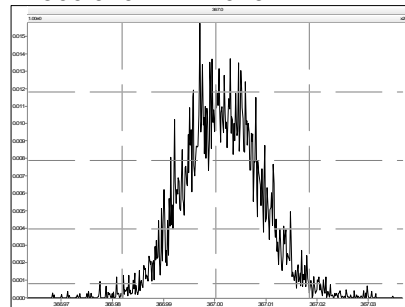
M 342.9792 R 11237



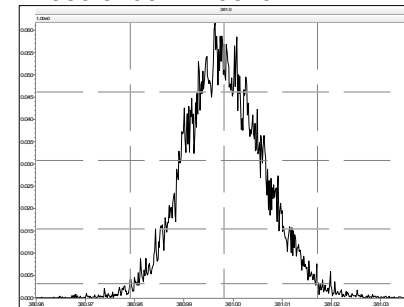
M 354.9792 R 12259



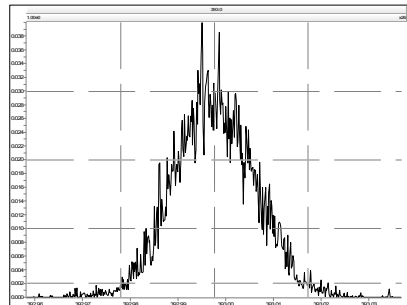
M 366.9792 R 11623



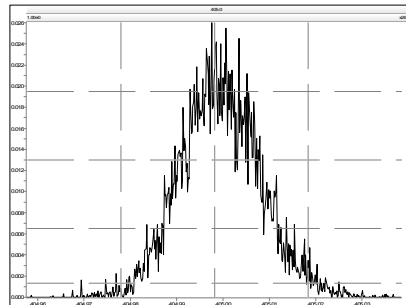
M 380.9760 R 10849



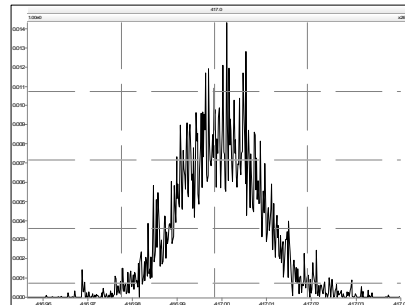
M 392.9760 R 10653



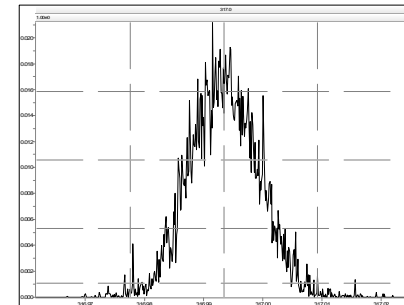
M 404.9760 R 10730



M 416.9760 R 11938



M 316.9824 R 13065



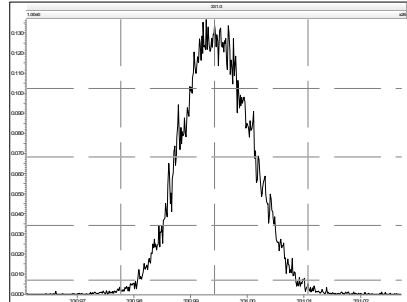
Resolution Check Report

MassLynx 4.1

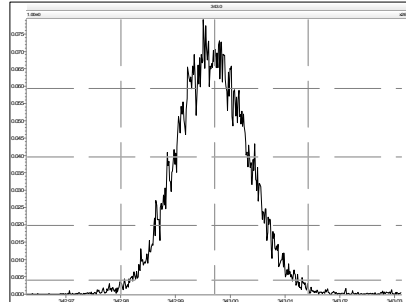
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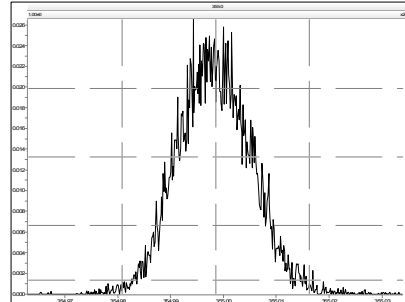
M 330.9792 R 11792



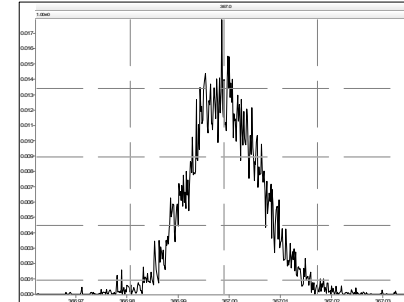
M 342.9792 R 11905



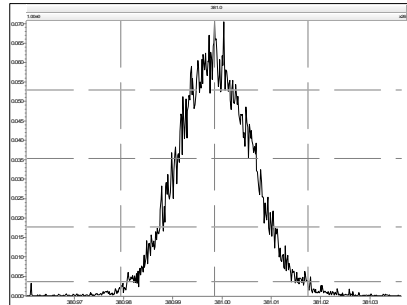
M 354.9792 R 11887



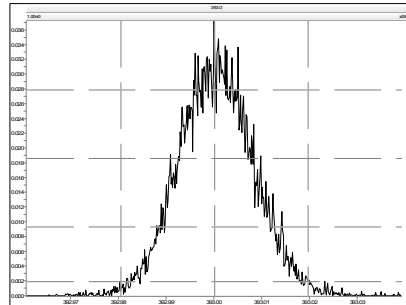
M 366.9792 R 12001



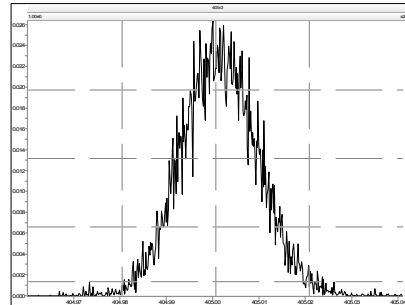
M 380.9760 R 11891



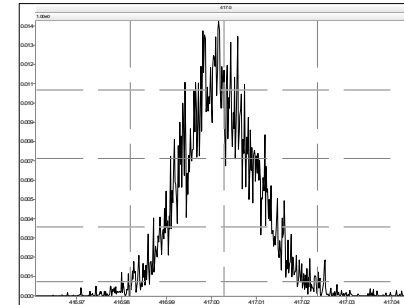
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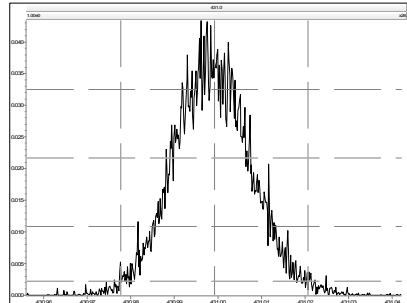
M 404.9760 R 11236



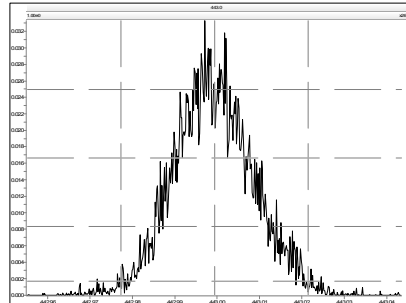
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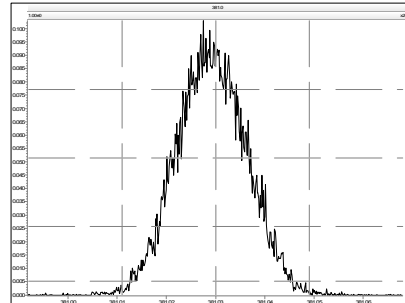
M 430.9728 R 10752



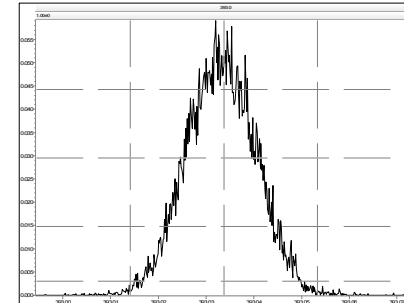
M 442.9728 R 11034



M 380.9760 R 11772



M 392.9760 R 11848



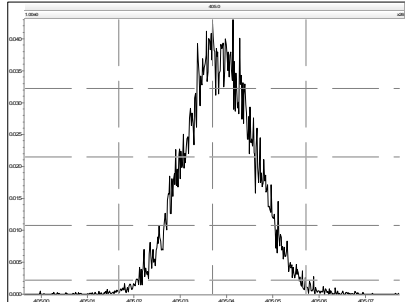
Resolution Check Report

MassLynx 4.1

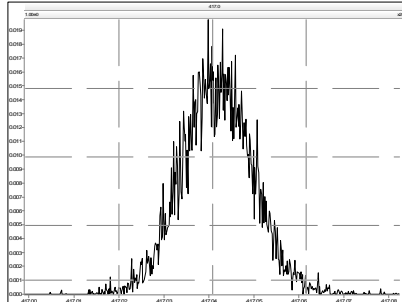
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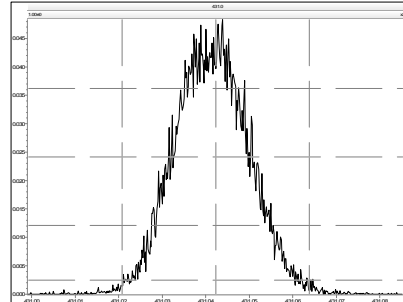
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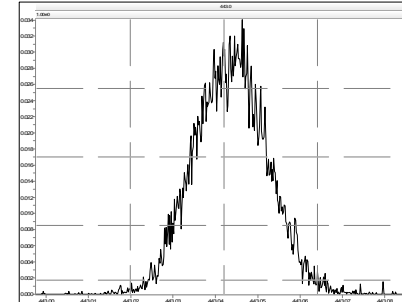
M 416.9760 R 12224



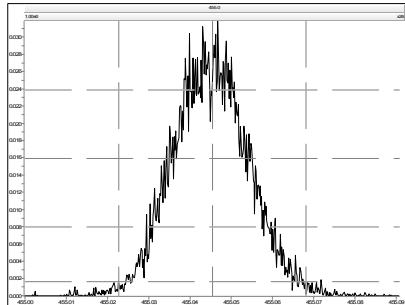
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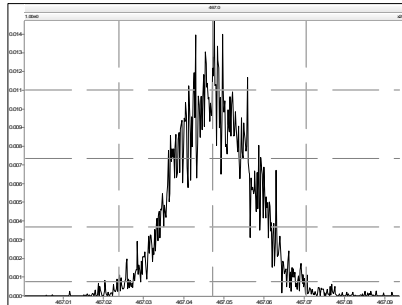
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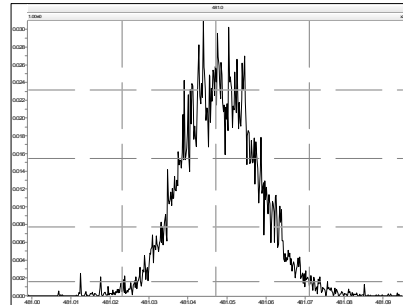
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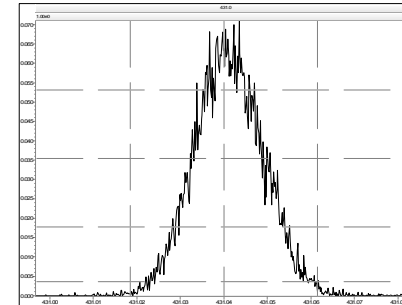
M 466.9728 R 12100



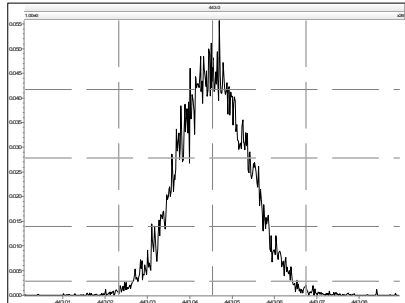
M 480.9696 R 11194



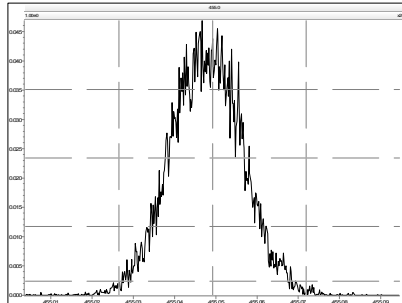
M 430.9728 R 11792



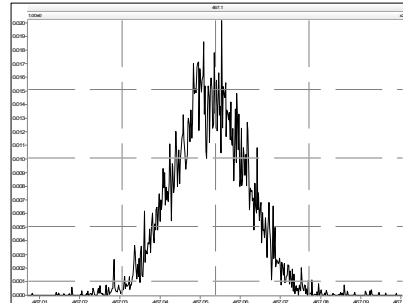
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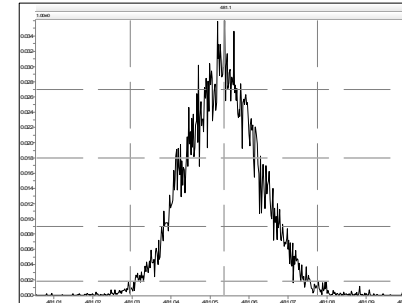
M 454.9728 R 11471



M 466.9728 R 12010



M 480.9696 R 11186



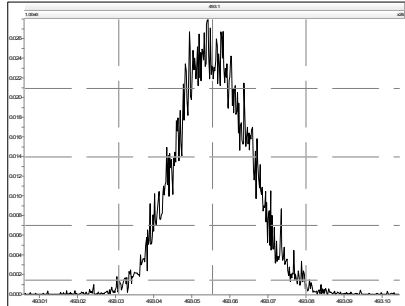
Resolution Check Report

MassLynx 4.1

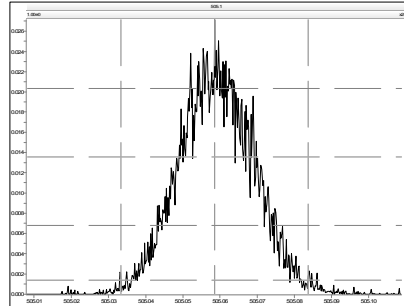
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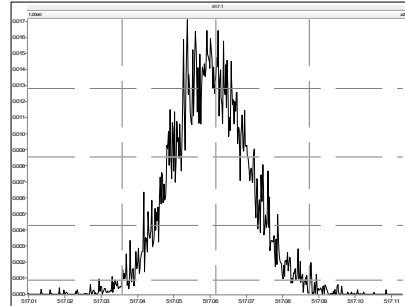
M 492.9696 R 11043



M 504.9696 R 11163



M 516.9697 R 11794



PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
Date Processed: 30 Jan 2012 11:15										
Name	Mean	% RSD	120126S03 0.5	120126S03 1	120126S04 5	120126S05 50	120126S06 400	120126S07 2000		
PCB-77 33'44'-TeCB	1.22	4.2%	1.16	1.21	1.20	1.23	1.27	1.29	✓	
PCB-81 344'5'-TeCB	1.24	4.9%	1.15	1.23	1.20	1.29	1.29	1.31	✓	
PCB-105 233'44'-PeCB	1.03	6.2%	0.94	1.01	0.97	1.09	1.08	1.07		
PCB-114 2344'5'-PeCB	1.10	5.5%	1.05	1.01	1.07	1.16	1.14	1.15		
PCB-118 23'44'5'-PeCB	1.03	6.8%	0.97	0.99	0.95	1.09	1.11	1.09		
PCB-123 2'344'5'-PeCB	0.93	7.4%	0.85	0.85	0.90	0.98	0.99	0.99		
PCB-126 33'44'5'-PeCB	1.11	4.0%	1.13	1.04	1.09	1.11	1.12	1.18		
PCB-156/157 233'44'5'/233'44'5'	1.05	6.1%	0.99	1.02	0.97	1.06	1.11	1.13		
PCB-167 23'44'55'-HxCB	1.08	6.4%	1.01	1.01	1.06	1.10	1.15	1.16		
PCB-169 33'44'55'-HxCB	1.04	4.7%	1.00	0.99	1.01	1.09	1.08	1.10		
PCB-189 233'44'55'-HpCB	1.11	6.1%	1.10	1.00	1.07	1.14	1.18	1.17		
PCB-209 DeCB	1.05	4.9%	1.12	1.00	0.99	1.04	1.07	1.08		
ES PCB-1	1.01	0.6%	1.01	1.01	1.02	1.00	1.02	1.02		
ES PCB-3	1.05	1.5%	1.05	1.04	1.04	1.04	1.06	1.08		
ES PCB-4	0.70	1.0%	0.70	0.70	0.69	0.69	0.71	0.70		
ES PCB-15	1.17	3.4%	1.19	1.17	1.10	1.16	1.19	1.22		
ES PCB-19	0.57	1.6%	0.57	0.57	0.55	0.57	0.58	0.56		
ES PCB-37	1.41	4.0%	1.42	1.44	1.32	1.39	1.41	1.49		
ES PCB-54	1.32	2.8%	1.28	1.31	1.35	1.30	1.31	1.38	✓	
ES PCB-77	1.22	5.9%	1.25	1.31	1.09	1.20	1.22	1.23	✓	
ES PCB-81	1.15	5.6%	1.19	1.21	1.04	1.12	1.16	1.19		
ES PCB-104	1.69	3.6%	1.67	1.68	1.80	1.66	1.63	1.68		
ES PCB-105	1.21	3.3%	1.25	1.25	1.16	1.17	1.19	1.21	✓	
ES PCB-114	1.23	3.4%	1.29	1.28	1.19	1.19	1.23	1.22		
ES PCB-118	1.25	3.9%	1.30	1.31	1.21	1.20	1.23	1.22		
ES PCB-123	1.33	2.8%	1.37	1.37	1.28	1.31	1.31	1.32		
ES PCB-126	1.36	4.3%	1.40	1.44	1.28	1.34	1.34	1.35		
ES PCB-153	1.09	1.0%	1.09	1.08	1.08	1.09	1.07	1.10	✓	
ES PCB-155	1.40	3.0%	1.36	1.37	1.48	1.41	1.40	1.41		
ES PCB-156/157	1.13	1.0%	1.14	1.13	1.13	1.12	1.13	1.15		
ES PCB-167	1.13	1.2%	1.14	1.14	1.12	1.11	1.12	1.14		
ES PCB-169	1.14	2.9%	1.17	1.15	1.10	1.10	1.14	1.18	✓	
ES PCB-170	1.23	1.5%	1.23	1.25	1.21	1.21	1.23	1.26		
ES PCB-180	1.46	1.4%	1.45	1.47	1.46	1.46	1.46	1.50		
ES PCB-188	1.34	1.6%	1.35	1.32	1.35	1.37	1.34	1.31		
ES PCB-189	1.77	2.8%	1.77	1.81	1.75	1.72	1.71	1.84		
ES PCB-202	1.27	0.5%	1.28	1.27	1.27	1.28	1.27	1.27		
ES PCB-205	1.25	2.1%	1.24	1.27	1.22	1.23	1.24	1.29		
ES PCB-206	1.07	1.4%	1.06	1.06	1.06	1.06	1.07	1.10	✓	

REVIEWED
By cwood at 2:15 pm, Jan 30, 2012

Reviewed by
JK 15-Feb-2012

APPROVED
By Bryan Vining at 1:56 pm, Feb 15, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 30 Jan 2012 11:35	
ICAL: MM4_PCB_01102012_26JAN12										
Acquired: 26 Jan 2012										
			120126S03	120126S03	120126S04	120126S05	120126S06	120126S07		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.34	1.3%	1.32	1.35	1.34	1.33	1.33	1.37		
ES PCB-209	1.18	1.3%	1.18	1.21	1.17	1.17	1.18	1.20		
SS PCB-28	0.98	2.9%	0.97	0.95	1.03	0.98	0.98	0.99		
SS PCB-111	0.90	2.3%	0.89	0.88	0.92	0.93	0.88	0.89		
SS PCB-178	0.65	2.0%	0.64	0.66	0.65	0.65	0.63	0.66		
CS PCB-28	1.39	2.9%	1.38	1.37	1.36	1.36	1.38	1.47		
CS PCB-111	1.19	2.3%	1.22	1.21	1.18	1.21	1.15	1.18		
CS PCB-178	0.87	1.8%	0.86	0.88	0.87	0.89	0.84	0.87		
PCB-1 2-MoCB	1.20	2.5%	1.19	1.19	1.15	1.20	1.22	1.24		
PCB-3 4-MoCB	1.13	2.5%	1.11	1.10	1.11	1.13	1.16	1.17		
PCB-4 22'-DiCB	0.94	4.9%	0.94	0.86	0.94	0.98	0.95	0.99		
PCB-15 44'-DiCB	1.01	4.1%	0.98	0.94	1.02	1.02	1.04	1.04		
PCB-19 22'6-TrCB	1.01	3.6%	0.96	1.02	0.98	1.01	1.04	1.06		
PCB-37 344'-TrCB	1.20	3.6%	1.16	1.16	1.17	1.20	1.24	1.26		
PCB-54 22'66'-TeCB	0.93	4.1%	0.88	0.90	0.93	0.94	0.97	0.98		
PCB-104 22'466'-PeCB	0.92	4.5%	0.91	0.87	0.87	0.92	0.97	0.96		
PCB-153 22'44'55' -HxCB	1.15	4.0%	1.11	1.13	1.09	1.16	1.20	1.19		
PCB-155 22'44'66'-HxCB	1.06	3.9%	1.04	1.00	1.03	1.08	1.07	1.11		
PCB-170 22'33'44'5-HpCB	1.00	6.3%	0.91	0.97	0.96	1.02	1.05	1.08		
PCB-180 22'344'55'-HpCB	1.01	5.1%	0.97	0.95	0.98	1.04	1.07	1.06		
PCB-188 22'34'566'-HpCB	1.07	3.7%	1.04	1.01	1.06	1.07	1.09	1.13		
PCB-202 22'33'55'66'-OcCB	0.83	5.1%	0.86	0.75	0.80	0.83	0.86	0.85		
PCB-205 233'44'55'6'-OcCB	1.09	3.5%	1.06	1.08	1.04	1.09	1.13	1.15		
PCB-208 22'33'455'66'-NoCB	0.98	4.2%	0.95	0.96	0.92	0.98	1.02	1.03		
PCB-206 22'33'44'55'6'-NoCB	0.93	4.1%	0.89	0.90	0.91	0.95	0.98	0.97		

1668A/B ICALs				MM4_PCB_01102012_26JAN1				PD from	
Ax	RSD	Mean	sd	MM4_PCB_07192011_28SEP11	2	RSD	Mean	sd	Mean
77	7.6	1.04	0.08	1.20	1.22	1.3	1.21	0.02	0.9%
81	9.8	1.09	0.11	1.08	1.24	9.5	1.16	0.11	6.7%
105	8.6	0.98	0.08	0.89	1.03	10.1	0.96	0.10	7.2%
114	8.5	0.97	0.08	0.94	1.1	10.8	1.02	0.11	7.6%
118	7.2	0.98	0.07	0.88	1.03	10.8	0.96	0.10	7.7%
123	6.4	0.97	0.06	1.00	0.93	5.1	0.96	0.05	-3.6%
126	8.2	0.98	0.08	0.96	1.11	10.0	1.04	0.10	7.1%
156/157	4.6	0.97	0.05	1.05	1.05	0.3	1.05	0.00	-0.2%
167	5.2	0.96	0.05	1.11	1.08	1.7	1.09	0.02	-1.2%
169	4.6	0.93	0.04	1.06	1.04	1.5	1.05	0.02	-1.1%
189	9.8	0.93	0.09	1.19	1.11	5.0	1.15	0.06	-3.5%
1	10.9	1.18	0.13	1.18	1.2	1.2	1.19	0.01	0.9%
3	9.5	1.18	0.11	1.13	1.13	0.1	1.13	0.00	0.0%
4	10.4	0.97	0.10	0.89	0.94	4.1	0.91	0.04	2.9%
15	7.2	0.99	0.07	1.08	1.01	4.8	1.05	0.05	-3.4%
19	5.3	1.04	0.06	0.95	1.01	4.3	0.98	0.04	3.0%
37	8.1	1.05	0.08	1.18	1.2	1.4	1.19	0.02	1.0%
54	9.1	1.02	0.09	0.88	0.93	3.8	0.91	0.03	2.7%
104	9.0	1.00	0.09	0.87	0.92	4.2	0.89	0.04	3.0%
153									
155	5.1	1.02	0.05	1.00	1.06	4.5	1.03	0.05	3.2%
170									
180									
188	6.5	1.06	0.07	1.02	1.07	3.4	1.05	0.04	2.4%
202	7.6	0.87	0.07	0.78	0.83	4.5	0.80	0.04	3.2%
205	5.8	1.02	0.06	1.03	1.09	3.9	1.06	0.04	2.7%
208	4.5	0.94	0.04	0.88	0.98	7.6	0.93	0.07	5.4%
206	7.1	0.98	0.07	0.91	0.93	1.6	0.92	0.01	1.1%
209	6.4	0.94	0.06	1.02	1.05	1.8	1.04	0.02	1.3%
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
1	10.8	0.98	0.11	1.07	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
3	10.3	0.98	0.10	1.07	1.05	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
4	8.3	0.71	0.06	0.84	0.7	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
15	6.3	1.05	0.07	1.12	1.17	3.1	1.15	0.04	2.2%
19	8.4	0.58	0.05	0.63	0.57	7.3	0.60	0.04	-5.2%
37	7.8	1.40	0.11	1.17	1.41	13.0	1.29	0.17	9.2%
54	13.1	1.35	0.18	1.59	1.32	13.2	1.46	0.19	-9.3%
77	7.9	1.20	0.10	1.05	1.22	10.9	1.13	0.12	7.7%
81	7.0	1.17	0.08	1.11	1.15	2.6	1.13	0.03	1.9%
104	12.1	1.48	0.18	1.97	1.69	10.9	1.83	0.20	-7.7%
105	5.1	1.18	0.06	1.18	1.21	1.9	1.19	0.02	1.3%
114	4.2	1.23	0.05	1.24	1.23	0.7	1.24	0.01	-0.5%
118	5.2	1.24	0.07	1.27	1.25	1.3	1.26	0.02	-0.9%
123	5.4	1.20	0.06	1.15	1.33	10.1	1.24	0.13	7.1%
126	8.5	1.29	0.11	1.16	1.36	11.1	1.26	0.14	7.8%
153									
155	5.0	1.51	0.08	1.56	1.4	7.5	1.48	0.11	-5.3%
156/157	15.9	1.15	0.18	0.92	1.13	14.8	1.02	0.15	10.5%
167	14.1	1.18	0.17	0.94	1.13	12.8	1.04	0.13	9.0%
169	19.8	1.10	0.22	0.80	1.14	25.0	0.97	0.24	17.7%
170									
180									
188	12.9	1.39	0.18	1.66	1.34	15.0	1.50	0.23	-10.6%
189	9.1	1.70	0.15	1.55	1.77	9.4	1.66	0.16	6.6%
202	9.7	1.32	0.13	1.46	1.27	9.7	1.36	0.13	-6.9%

205	4.3	1.26	0.05	1.21	1.25	2.6	1.23	0.03	1.8%
206	7.4	0.94	0.07	1.12	1.07	3.1	1.09	0.03	-2.2%
208	8.5	1.31	0.11	1.61	1.34	12.9	1.47	0.19	-9.1%
209	6.3	1.21	0.08	1.19	1.18	0.9	1.19	0.01	-0.6%
SS									
28	7.1	1.11	0.08	1.05	0.98	5.0	1.02	0.05	-3.5%
111	6.3	1.07	0.07	1.02	0.90	8.6	0.96	0.08	-6.1%
178	4.6	0.68	0.03	0.66	0.65	1.6	0.66	0.01	-1.1%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	0.88					#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-2 3-MoCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-3 4-MoCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-4 22-DiCB	0.86					#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-10 26-DiCB	1.33					#DIV/0!	1.33	#DIV/0!	-100.0%
PCB-9 25-DiCB	0.73					#DIV/0!	0.73	#DIV/0!	-100.0%
PCB-7 24-DiCB	0.81					#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-6 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-5 23-DiCB	0.76					#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-8 24-DiCB	0.77					#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-14 35-DiCB	0.89					#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-11 33-DiCB	0.78					#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-13/12 34-/34-DiCB	0.79					#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-15 44-DiCB	0.83					#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-19 226-TrCB	0.95					#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-30/18 246-/225-TrCB	1.21					#DIV/0!	1.21	#DIV/0!	-100.0%
PCB-17 224-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-27 236-TrCB	1.41					#DIV/0!	1.41	#DIV/0!	-100.0%
PCB-24 236-TrCB	1.34					#DIV/0!	1.34	#DIV/0!	-100.0%
PCB-16 223-TrCB	0.84					#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-32 246-TrCB	1.46					#DIV/0!	1.46	#DIV/0!	-100.0%
PCB-34 235-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-23 235-TrCB	0.99					#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-26/29 235-/245-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-25 234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-31 245-TrCB	1.04					#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-28/20 244-/233-TrCB	1.00					#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-21/33 234-/234-TrCB	1.02					#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-22 234-TrCB	0.93					#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-36 335-TrCB	1.05					#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-39 345-TrCB	1.09					#DIV/0!	1.09	#DIV/0!	-100.0%
PCB-38 345-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-35 334-TrCB	0.96					#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-37 344-TrCB	0.98					#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-54 2266-TeCB	1.17					#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-50/53 2246-/2256TeCB	0.59					#DIV/0!	0.59	#DIV/0!	-100.0%
PCB-45 2236-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-51 2246-TeCB	0.60					#DIV/0!	0.60	#DIV/0!	-100.0%
PCB-46 2236-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%
PCB-52 2255-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-73 2356TeCB	0.69					#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-43 2235-TeCB	0.45					#DIV/0!	0.45	#DIV/0!	-100.0%
PCB-69/49 2346-/2245TeCB	0.66					#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-48 2245-TeCB	0.54					#DIV/0!	0.54	#DIV/0!	-100.0%
PCB-44/47/65 2235-/2244'	0.58					#DIV/0!	0.58	#DIV/0!	-100.0%
PCB-59/62/75 2336-/2346-/24	0.75					#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-42 2234-TeCB	0.50					#DIV/0!	0.50	#DIV/0!	-100.0%
PCB-41 2234-TeCB	0.46					#DIV/0!	0.46	#DIV/0!	-100.0%

PCB-71/40 23'4'6/22'33'-TeCB	0.55	#DIV/0!	0.55	#DIV/0!	-100.0%
PCB-64 23'4'-TeCB	0.77	#DIV/0!	0.77	#DIV/0!	-100.0%
PCB-72 23'55'-TeCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-68 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-57 23'35'-TeCB	0.88	#DIV/0!	0.88	#DIV/0!	-100.0%
PCB-58 23'35'-TeCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-67 23'45'-TeCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-63 23'45'-TeCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-61/70/74/76 23'45'-/23'4'5'	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-66 23'44'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-55 23'3'4'-TeCB	0.83	#DIV/0!	0.83	#DIV/0!	-100.0%
PCB-56 23'3'4'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-60 23'44'-TeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-80 33'55'-TeCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-79 33'45'-TeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-78 33'45'-TeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-104 22'4'66'-PeCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-96 22'3'66'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-103 22'45'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-94 22'3'56'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-95 22'3'5'6'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-100/93 22'44'6'-/22'3'56'-P	0.70	#DIV/0!	0.70	#DIV/0!	-100.0%
PCB-102 22'45'6'-PeCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-98 22'3'46'-PeCB	0.66	#DIV/0!	0.66	#DIV/0!	-100.0%
PCB-88 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-91 22'3'4'6'-PeCB	0.78	#DIV/0!	0.78	#DIV/0!	-100.0%
PCB-84 22'3'3'6'-PeCB	0.63	#DIV/0!	0.63	#DIV/0!	-100.0%
PCB-89 22'3'46'-PeCB	0.67	#DIV/0!	0.67	#DIV/0!	-100.0%
PCB-121 23'45'6'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-92 22'3'55'-PeCB	0.71	#DIV/0!	0.71	#DIV/0!	-100.0%
PCB-113/90/101 23'3'5'6'-/22'3'	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-83 22'3'3'5'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-99 22'4'4'5'-PeCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-112 23'3'5'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-108/119/86/97/125/87 233	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-117 23'4'5'6'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-116/85 23'45'6'-/22'3'44'-Pe	0.81	#DIV/0!	0.81	#DIV/0!	-100.0%
PCB-110 23'3'4'6'-PeCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-115 23'44'6'-PeCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-82 22'3'3'4'-PeCB	0.61	#DIV/0!	0.61	#DIV/0!	-100.0%
PCB-111 23'3'55'-PeCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-120 23'455'-PeCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-107/124 23'3'4'5'-/2'3'455'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-109 23'3'46'-PeCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-106 23'3'45'-PeCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-122 2'3'3'45'-PeCB	0.80	#DIV/0!	0.80	#DIV/0!	-100.0%
PCB-127 33'455'-PeCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-155 22'44'66'-HxCB	1.06	#DIV/0!	1.06	#DIV/0!	-100.0%
PCB-152 22'3'566'-HxCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-150 22'3'4'66'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-136 22'3'3'66'-HxCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-145 22'3'466'HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-148 22'3'4'56'-HxCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-151/135 22'3'55'6'-/22'3'3'	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-154 22'44'5'6'-HxCB	1.05	#DIV/0!	1.05	#DIV/0!	-100.0%
PCB-144 22'3'45'6'-HxCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-147/149 22'3'4'56'-/22'3'4'	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-134 22'3'3'56'-HxCB	0.76	#DIV/0!	0.76	#DIV/0!	-100.0%
PCB-143 22'3'456'-HxCB	0.89	#DIV/0!	0.89	#DIV/0!	-100.0%
PCB-139/140 22'3'44'6'-/22'3'44'	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-131 22'3'3'46'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-142 22'3'456'-HxCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-132 22'3'3'46'-HxCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-133 22'3'3'55'-HxCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

PCB-165 233'55'6-HxCB	1.11	#DIV/0!	1.11	#DIV/0!	-100.0%
PCB-146 22'34'55'-HxCB	0.98	#DIV/0!	0.98	#DIV/0!	-100.0%
PCB-161 233'45'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-153/168 22'44'55'-/23'44'	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-141 22'3455'-HxCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-130 22'33'45'-HxCB	0.82	#DIV/0!	0.82	#DIV/0!	-100.0%
PCB-137 22'344'5-HxCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-164 233'4'5'6-HxCB	1.25	#DIV/0!	1.25	#DIV/0!	-100.0%
PCB-163/138/129 233'4'56'-/22'	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-160 233'456-HxCB	1.17	#DIV/0!	1.17	#DIV/0!	-100.0%
PCB-158 233'44'6-HxCB	1.40	#DIV/0!	1.40	#DIV/0!	-100.0%
PCB-128/166 22'33'44'-/2344'5	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%
PCB-159 233'455'-HxCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-162 233'4'55'-HxCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-188 22'34'566'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-179 22'33'566'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-184 22'344'66'-HpCB	0.99	#DIV/0!	0.99	#DIV/0!	-100.0%
PCB-176 22'33'466'-HpCB	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-186 22'34566'-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-178 22'33'55'6-HpCB	0.79	#DIV/0!	0.79	#DIV/0!	-100.0%
PCB-175 22'33'45'6-HpCB	0.93	#DIV/0!	0.93	#DIV/0!	-100.0%
PCB-187 22'34'55'6-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-182 22'344'56'-HpCB	1.04	#DIV/0!	1.04	#DIV/0!	-100.0%
PCB-183 22'344'5'6-HpCB	1.01	#DIV/0!	1.01	#DIV/0!	-100.0%
PCB-185 22'3455'6-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-174 22'33'456'-HpCB	0.86	#DIV/0!	0.86	#DIV/0!	-100.0%
PCB-177 22'33'4'56-HpCB	0.85	#DIV/0!	0.85	#DIV/0!	-100.0%
PCB-181 22'344'56-HpCB	1.02	#DIV/0!	1.02	#DIV/0!	-100.0%
PCB-171/173 22'33'44'6'-/22'3	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-172 22'33'455'-HpCB	0.87	#DIV/0!	0.87	#DIV/0!	-100.0%
PCB-192 233'455'6-HpCB	1.13	#DIV/0!	1.13	#DIV/0!	-100.0%
PCB-180/193 22'344'55'-/233'	1.08	#DIV/0!	1.08	#DIV/0!	-100.0%
PCB-191 233'44'5'6-HpCB	1.14	#DIV/0!	1.14	#DIV/0!	-100.0%
PCB-170 22'33'44'5-HpCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-190 233'44'56-HpCB	1.37	#DIV/0!	1.37	#DIV/0!	-100.0%
PCB-202 22'33'55'66'-OcCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-201 22'33'45'66'-OcCB	1.00	#DIV/0!	1.00	#DIV/0!	-100.0%
PCB-204 22'344'566'-OcCB	0.94	#DIV/0!	0.94	#DIV/0!	-100.0%
PCB-197 22'33'44'66'-OcCB	1.03	#DIV/0!	1.03	#DIV/0!	-100.0%
PCB-200 22'33'4566'-OcCB	0.92	#DIV/0!	0.92	#DIV/0!	-100.0%
PCB-198/199 22'33'455'6'-/22'	0.69	#DIV/0!	0.69	#DIV/0!	-100.0%
PCB-196 22'33'44'56'-OcCB	0.74	#DIV/0!	0.74	#DIV/0!	-100.0%
PCB-203 22'344'55'6-OcCB	0.75	#DIV/0!	0.75	#DIV/0!	-100.0%
PCB-195 22'33'44'56-OcCB	0.84	#DIV/0!	0.84	#DIV/0!	-100.0%
PCB-194 22'33'44'55'-OcCB	0.96	#DIV/0!	0.96	#DIV/0!	-100.0%
PCB-205 233'44'55'6-OcCB	1.18	#DIV/0!	1.18	#DIV/0!	-100.0%
PCB-208 22'33'455'66'-NoCB	0.91	#DIV/0!	0.91	#DIV/0!	-100.0%
PCB-207 22'33'44'566'-NoCB	0.97	#DIV/0!	0.97	#DIV/0!	-100.0%
PCB-206 22'33'44'55'6-NoCB	0.95	#DIV/0!	0.95	#DIV/0!	-100.0%

Analytical Perspectives — Run Log

Project: 120126Sxx QC

Instrument: MM4 (AutoSpec-Ultima)

MS Experiment: pcb-2011-08

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
3	120126S03	20	CS0_120126_PCB_SA	10.00	SIL 12-5-6	CTW	815-319	26-Jan-2012	16:11:34
4	120126S04	21	CS1_120126_PCB_SA	10.00	SIL 12-5-5	CTW	955-433	26-Jan-2012	17:04:43
5	120126S05	22	CS2_120126_PCB_SA	10.00	SIL 12-5-4	CTW	234-493	26-Jan-2012	17:59:45
6	120126S06	23	CS3_120126_PCB_SB	10.00	SIL 12-5-3	CTW	524-324	26-Jan-2012	18:54:44
7	120126S07	24	CS4_120126_PCB_SA	10.00	SIL 12-5-2	CTW	247-643	26-Jan-2012	19:49:48
8	120126S08	25	CS5_120126_PCB_SA	10.00	SIL 12-5-1	CTW	090-464	26-Jan-2012	20:44:52
9	120126S09	12	SBS_120126_PCB_SB	10.00	SIL 9-41-1	CTW	534-061	26-Jan-2012	21:52:48
10	120126S10	12	SBS_120126_PCB_SC	10.00	SIL 9-41-1	CTW	398-567	26-Jan-2012	22:45:51
11	120126S11	12	SBS_120126_PCB_SD	10.00	SIL 9-41-1	CTW	994-650	26-Jan-2012	23:40:57

REVIEWED*By cwood at 2:30 pm, Jan 30, 2012*

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 16:11							
Datafile:	120126S03							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.53	2.25E+05	0.68 Y	1.22	1.16	-5.7%		
PCB-81 344'5'-TeCB	30.05	2.14E+05	0.79 Y	1.24	1.15	-7.4%		
PCB-105 233'44'-PeCB	33.50	1.46E+05	0.65 Y	1.03	0.94	-8.4%		
PCB-114 2344'5'-PeCB	32.97	1.68E+05	0.66 Y	1.10	1.05	-4.2%		
PCB-118 23'44'5'-PeCB	32.52	1.58E+05	0.62 Y	1.03	0.97	-6.0%		
PCB-123 2'344'5'-PeCB	32.24	1.44E+05	0.59 Y	0.93	0.85	-8.3%		
PCB-126 33'44'5'-PeCB	36.13	1.97E+05	0.65 Y	1.11	1.13	1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.68	2.98E+05	1.27 Y	1.05	0.99	-5.7%		
PCB-167 23'44'55'-HxCB	37.71	1.53E+05	1.17 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	1.56E+05	1.27 Y	1.04	1.00	-4.0%		
PCB-189 233'44'55'-HpCB	43.55	1.93E+05	1.10 Y	1.11	1.10	-0.5%		
PCB-209 DeCB	48.54	1.31E+05	1.11 Y	1.05	1.12	6.7%		
ES PCB-1	10.49	5.07E+07	3.18 Y	1.01	1.01	0.0%		
ES PCB-3	12.55	5.25E+07	3.21 Y	1.05	1.05	-0.3%		
ES PCB-4	12.77	3.51E+07	1.54 Y	0.70	0.70	0.5%		
ES PCB-15	18.11	5.95E+07	1.61 Y	1.17	1.19	1.5%		
ES PCB-19	15.61	2.87E+07	1.04 Y	0.57	0.57	1.2%		
ES PCB-37	24.24	4.43E+07	1.07 Y	1.41	1.42	0.8%		
ES PCB-54	18.36	3.99E+07	0.78 Y	1.32	1.28	-2.9%		
ES PCB-77	30.51	3.89E+07	0.79 Y	1.22	1.25	2.6%		
ES PCB-81	30.04	3.71E+07	0.80 Y	1.15	1.19	3.7%		
ES PCB-104	23.20	4.15E+07	1.58 Y	1.69	1.67	-1.0%		
ES PCB-105	33.48	3.11E+07	1.58 Y	1.21	1.25	3.9%		
ES PCB-114	32.94	3.20E+07	1.58 Y	1.23	1.29	4.5%		
ES PCB-118	32.49	3.24E+07	1.59 Y	1.25	1.30	4.8%		
ES PCB-123	32.22	3.41E+07	1.57 Y	1.33	1.37	3.4%		
ES PCB-126	36.10	3.48E+07	1.66 Y	1.36	1.40	3.3%		
ES PCB-153	34.09	2.89E+07	1.29 Y	1.09	1.09	0.2%		
ES PCB-155	28.10	3.61E+07	1.23 Y	1.40	1.36	-3.1%		
ES PCB-156/157	38.65	6.06E+07	1.28 Y	1.13	1.14	0.6%		
ES PCB-167	37.69	3.04E+07	1.26 Y	1.13	1.14	1.1%		
ES PCB-169	41.39	3.12E+07	1.26 Y	1.14	1.17	2.7%		
ES PCB-170	40.89	2.42E+07	1.04 Y	1.23	1.23	-0.2%		
ES PCB-180	39.84	2.86E+07	1.05 Y	1.46	1.45	-1.2%		
ES PCB-188	32.95	3.58E+07	1.05 Y	1.34	1.35	0.5%		
ES PCB-189	43.53	3.50E+07	1.06 Y	1.77	1.77	0.3%		
ES PCB-202	37.49	3.41E+07	0.89 Y	1.27	1.28	0.9%		
ES PCB-205	45.70	2.45E+07	0.91 Y	1.25	1.24	-0.6%		
ES PCB-206	47.17	2.09E+07	0.77 Y	1.07	1.06	-0.7%		
ES PCB-208	43.13	2.60E+07	0.78 Y	1.34	1.32	-1.4%		
ES PCB-209	48.52	2.33E+07	1.17 Y	1.18	1.18	-0.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	4.28E+07	1.07 Y	0.98	0.97	-1.5%	
SS PCB-111	30.57	3.03E+07	1.58 Y	0.90	0.89	-0.9%	
SS PCB-178	35.53	2.29E+07	1.09 Y	0.65	0.64	-1.0%	
CS PCB-28	20.78	4.28E+07	1.07 Y	1.39	1.38	-0.6%	
CS PCB-111	30.57	3.03E+07	1.58 Y	1.19	1.22	2.5%	
CS PCB-178	35.53	2.29E+07	1.09 Y	0.87	0.86	-0.6%	
JS PCB-9	14.60	5.00E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	3.11E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.48E+07	1.60 Y	-	-	-	
JS PCB-138	35.13	2.66E+07	1.24 Y	-	-	-	
JS PCB-194	45.30	1.97E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6'-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-153 22'44'55' -HxCB	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-180 22'344'55'-HpCB	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	3.01E+05	3.10 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	2.82E+05	3.24 Y	1.13	1.08	-4.9%	
PCB-3 4-MoCB	12.56	2.92E+05	2.84 Y	1.13	1.11	-1.6%	
PCB-4 22'-DiCB	12.78	1.64E+05	0.00 S	0.94	0.94	-1.0%	
PCB-10 26-DiCB	12.95	2.54E+05	0.00 S	1.43	1.45	1.2%	
PCB-9 25-DiCB	14.62	2.55E+05	0.00 S	0.87	0.86	-1.4%	
PCB-7 24-DiCB	14.77	2.81E+05	0.00 S	1.00	0.94	-6.1%	
PCB-6 23'-DiCB	14.98	2.71E+05	0.00 S	0.94	0.91	-2.8%	
PCB-5 23-DiCB	15.25	2.37E+05	0.00 S	0.92	0.79	-13.7%	
PCB-8 24'-DiCB	15.37	2.67E+05	0.00 S	0.95	0.90	-5.3%	
PCB-14 35-DiCB	16.85	3.09E+05	0.00 S	1.09	1.04	-5.0%	
PCB-11 33'-DiCB	17.58	3.05E+05	0.00 S	0.98	1.02	4.9%	
PCB-13/12 34'-/34-DiCB	17.85	5.80E+05	0.00 S	0.97	0.98	0.6%	
PCB-15 44'-DiCB	18.13	2.91E+05	0.00 S	1.01	0.98	-3.0%	
PCB-19 22'6-TrCB	15.63	1.38E+05	1.01 Y	1.01	0.96	-4.8%	
PCB-30/18 246-/22'5-TrCB	17.31	3.47E+05	0.94 Y	1.29	1.21	-6.6%	
PCB-17 22'4-TrCB	17.69	1.61E+05	1.12 Y	1.14	1.12	-1.7%	
PCB-27 23'6-TrCB	17.87	2.03E+05	1.02 Y	1.48	1.41	-4.9%	
PCB-24 236-TrCB	17.99	1.97E+05	1.14 Y	1.43	1.37	-4.1%	
PCB-16 22'3-TrCB	18.08	1.25E+05	1.07 Y	0.89	0.87	-2.8%	
PCB-32 24'6-TrCB	18.54	2.15E+05	1.05 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.67	2.53E+05	1.07 Y	1.18	1.14	-3.0%	
PCB-23 235-TrCB	19.81	2.52E+05	1.08 Y	1.19	1.14	-4.1%	
PCB-26/29 23'5-/245-TrCB	20.08	5.01E+05	1.07 Y	1.20	1.13	-5.8%	
PCB-25 23'4-TrCB	20.27	2.41E+05	1.05 Y	1.19	1.09	-8.7%	
PCB-31 24'5-TrCB	20.54	2.58E+05	1.04 Y	1.23	1.17	-4.9%	
PCB-28/20 244'-/233'-TrCB	20.81	5.05E+05	0.99 Y	1.18	1.14	-3.3%	
PCB-21/33 234-/2'34-TrCB	20.98	5.27E+05	1.01 Y	1.21	1.19	-2.0%	
PCB-22 234'-TrCB	21.34	2.30E+05	1.05 Y	1.11	1.04	-7.0%	
PCB-36 33'5-TrCB	22.71	2.48E+05	1.02 Y	1.21	1.12	-7.5%	
PCB-39 34'5-TrCB	23.02	2.95E+05	1.03 Y	1.32	1.33	1.1%	
PCB-38 345-TrCB	23.53	2.45E+05	0.95 Y	1.15	1.11	-4.2%	
PCB-35 33'4-TrCB	23.91	2.43E+05	0.96 Y	1.13	1.10	-3.3%	
PCB-37 344'-TrCB	24.26	2.57E+05	1.07 Y	1.20	1.16	-3.3%	
PCB-54 22'66'-TeCB	18.38	1.76E+05	0.80 Y	0.93	0.88	-5.6%	
PCB-50/53 22'46-/22'56'TeCB	20.31	2.75E+05	0.78 Y	0.83	0.74	-11.1%	
PCB-45 22'36'-TeCB	20.86	1.18E+05	0.72 Y	0.71	0.64	-9.7%	
PCB-51 22'46'-TeCB	20.94	1.46E+05	0.83 Y	0.88	0.79	-10.3%	
PCB-46 22'36'-TeCB	21.14	1.16E+05	0.76 Y	0.69	0.62	-10.1%	
PCB-52 22'55'-TeCB	22.39	1.34E+05	0.81 Y	0.80	0.72	-10.3%	
PCB-73 23'5'6TeCB	22.52	1.76E+05	0.77 Y	1.03	0.95	-8.1%	
PCB-43 22'35'-TeCB	22.60	1.21E+05	0.86 Y	0.71	0.65	-7.5%	
PCB-69/49 23'46-/22'45'TeCB	22.80	3.28E+05	0.73 Y	0.96	0.88	-7.9%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.07	1.42E+05	0.84 Y	0.84	0.77	-8.3%	
PCB-44/47/65 22'35'-/22'44'-	23.28	4.37E+05	0.74 Y	0.86	0.78	-8.7%	
PCB-59/62/75 233'6'-/2346-/24	23.55	5.57E+05	0.77 Y	1.09	1.00	-8.5%	
PCB-42 22'34'-TeCB	23.70	1.32E+05	0.84 Y	0.77	0.71	-6.9%	
PCB-41 22'34'-TeCB	24.02	1.16E+05	0.73 Y	0.73	0.62	-14.0%	
PCB-71/40 23'4'6/22'33'-TeCB	24.12	2.68E+05	0.83 Y	0.81	0.72	-11.3%	
PCB-64 234'6'-TeCB	24.32	2.04E+05	0.75 Y	1.17	1.10	-5.7%	
PCB-72 23'55'-TeCB	25.06	2.14E+05	0.85 Y	1.25	1.15	-7.9%	
PCB-68 23'45'-TeCB	25.31	2.38E+05	0.89 Y	1.36	1.28	-6.0%	
PCB-57 233'5'-TeCB	25.66	2.15E+05	0.83 Y	1.22	1.16	-5.4%	
PCB-58 233'5'-TeCB	25.86	2.38E+05	0.81 Y	1.26	1.28	2.1%	
PCB-67 23'45'-TeCB	26.01	2.21E+05	0.79 Y	1.27	1.19	-6.5%	
PCB-63 234'5'-TeCB	26.24	2.27E+05	0.85 Y	1.34	1.22	-8.4%	
PCB-61/70/74/76 2345-/23'4'5	26.52	8.58E+05	0.77 Y	1.24	1.15	-7.1%	
PCB-66 23'44'-TeCB	26.80	1.98E+05	0.69 Y	1.19	1.07	-10.2%	
PCB-55 233'4'-TeCB	26.93	2.24E+05	0.77 Y	1.22	1.20	-1.1%	
PCB-56 233'4'-TeCB	27.36	2.07E+05	0.78 Y	1.18	1.12	-5.3%	
PCB-60 2344'-TeCB	27.55	2.22E+05	0.70 Y	1.24	1.20	-3.3%	
PCB-80 33'55'-TeCB	27.92	2.38E+05	0.85 Y	1.37	1.28	-6.8%	
PCB-79 33'45'-TeCB	29.21	2.40E+05	0.84 Y	1.37	1.29	-5.4%	
PCB-78 33'45'-TeCB	29.68	2.20E+05	0.71 Y	1.19	1.18	-0.8%	
PCB-104 22'466'-PeCB	23.22	1.89E+05	0.65 Y	0.92	0.91	-0.5%	
PCB-96 22'366'-PeCB	23.52	1.67E+05	0.62 Y	0.81	0.81	-0.4%	
PCB-103 22'45'6'-PeCB	25.21	1.17E+05	0.65 Y	0.78	0.68	-11.7%	
PCB-94 22'356'-PeCB	25.39	1.17E+05	0.63 Y	0.71	0.69	-3.8%	
PCB-95 22'35'6'-PeCB	25.76	1.22E+05	0.69 Y	0.74	0.72	-3.4%	
PCB-100/93 22'44'6-/22'356-P	25.97	2.32E+05	0.62 Y	0.75	0.68	-8.8%	
PCB-102 22'456'-PeCB	26.08	1.13E+05	0.61 Y	0.75	0.66	-11.3%	
PCB-98 22'3'46'-PeCB	26.14	1.15E+05	0.62 Y	0.71	0.68	-4.9%	
PCB-88 22'346'-PeCB	26.43	1.06E+05	0.55 Y	0.66	0.63	-5.9%	
PCB-91 22'34'6'-PeCB	26.50	1.32E+05	0.55 Y	0.84	0.78	-7.5%	
PCB-84 22'33'6'-PeCB	26.68	1.07E+05	0.60 Y	0.65	0.63	-3.2%	
PCB-89 22'346'-PeCB	27.10	1.07E+05	0.63 Y	0.69	0.63	-8.7%	
PCB-121 23'45'6'-PeCB	27.49	1.58E+05	0.59 Y	0.98	0.93	-5.6%	
PCB-92 22'355'-PeCB	27.79	1.17E+05	0.53 Y	0.72	0.68	-4.4%	
PCB-113/90/101 233'5'6-/22'3	28.27	3.83E+05	0.59 Y	0.81	0.75	-7.3%	
PCB-83 22'33'5'-PeCB	28.69	9.64E+04	0.71 N	0.62	0.57	-9.1%	
PCB-99 22'44'5'-PeCB	28.79	1.14E+05	0.63 Y	0.76	0.67	-12.5%	
PCB-112 233'56'-PeCB	28.89	1.50E+05	0.61 Y	0.96	0.88	-8.3%	
PCB-108/119/86/97/125/87 233	29.22	7.81E+05	0.62 Y	0.83	0.76	-7.4%	
PCB-117 234'56'-PeCB	29.75	1.47E+05	0.63 Y	0.94	0.86	-8.4%	
PCB-116/85 23456-/22'344'-Pe	29.83	2.59E+05	0.60 Y	0.81	0.76	-6.1%	
PCB-110 233'4'6'-PeCB	29.96	1.47E+05	0.62 Y	0.92	0.86	-6.2%	

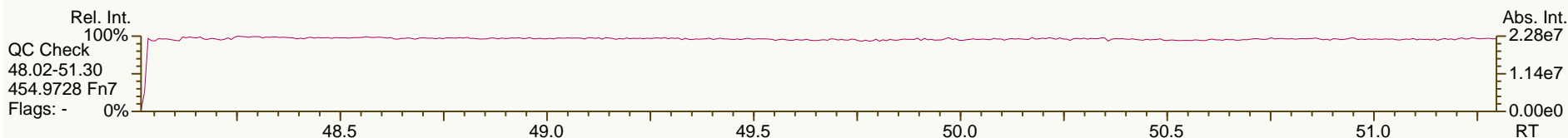
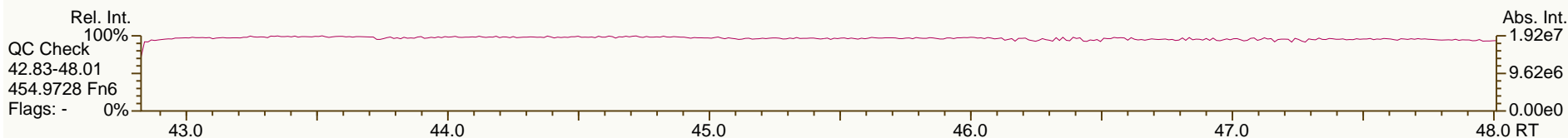
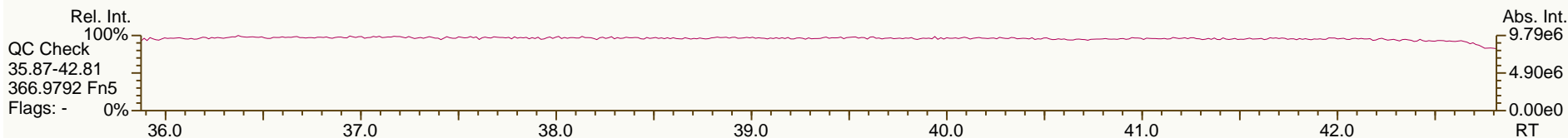
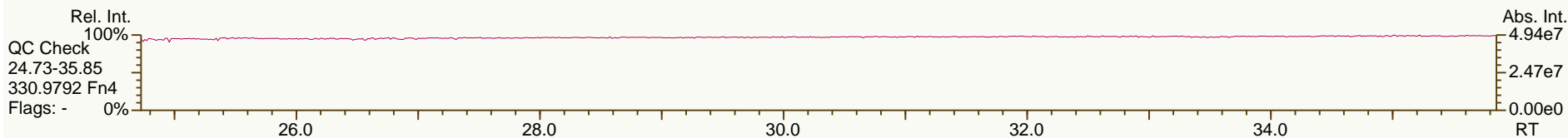
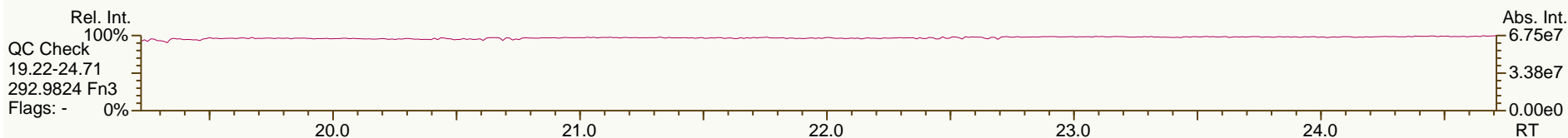
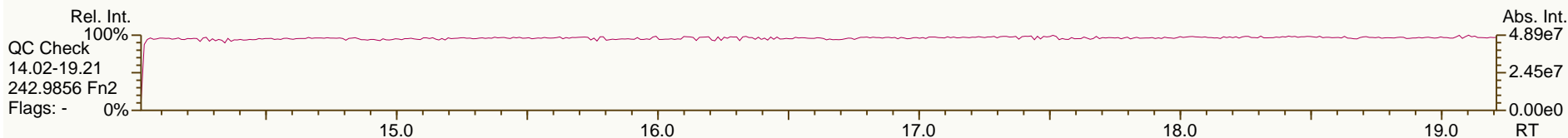
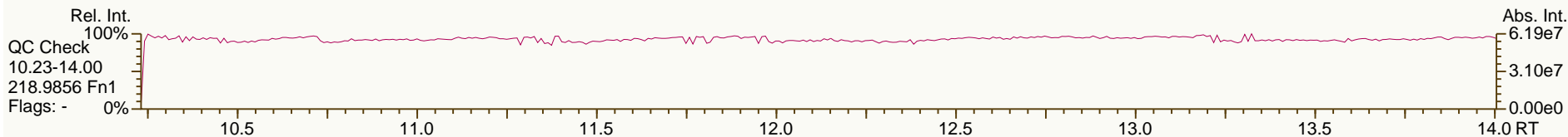
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:45			
Lab ID:	CS0_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	1.55E+05	0.60 Y	0.95	0.91	-3.7%	
PCB-82 22'33'4-PeCB	30.23	9.49E+04	0.63 Y	0.62	0.56	-9.5%	
PCB-111 233'55'-PeCB	30.59	1.61E+05	0.64 Y	0.98	0.95	-4.0%	
PCB-120 23'455'-PeCB	30.98	1.55E+05	0.63 Y	0.99	0.91	-8.1%	
PCB-107/124 233'4'5-/2'3455'	31.93	3.09E+05	0.61 Y	0.92	0.91	-1.4%	
PCB-109 233'46-PeCB	32.14	1.52E+05	0.56 Y	1.00	0.90	-10.0%	
PCB-106 233'45-PeCB	32.34	1.61E+05	0.62 Y	0.96	0.94	-2.0%	
PCB-122 2'33'45-PeCB	32.80	1.34E+05	0.52 N	0.93	0.84	-9.5%	
PCB-127 33'455'-PeCB	34.77	1.54E+05	0.59 Y	1.04	0.99	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.89E+05	1.11 Y	1.06	1.04	-1.1%	
PCB-152 22'3566'-HxCB	28.25	1.69E+05	1.22 Y	0.98	0.93	-4.8%	
PCB-150 22'34'66'-HxCB	28.41	1.72E+05	1.27 Y	0.99	0.95	-3.7%	
PCB-136 22'33'66'-HxCB	28.69	1.61E+05	1.20 Y	0.92	0.89	-3.1%	
PCB-145 22'3466'HxCB	28.96	1.68E+05	1.16 Y	0.94	0.93	-1.1%	
PCB-148 22'34'56'-HxCB	30.27	1.34E+05	1.15 Y	0.95	0.93	-2.2%	
PCB-151/135 22'355'6-/22'33'	30.77	2.49E+05	1.43 Y	0.92	0.86	-6.1%	
PCB-154 22'44'5'6-HxCB	30.99	1.34E+05	1.06 Y	1.01	0.93	-8.5%	
PCB-144 22'345'6-HxCB	31.24	1.14E+05	1.23 Y	0.93	0.79	-15.0%	
PCB-147/149 22'34'56-/22'34'	31.54	2.45E+05	1.36 Y	0.94	0.85	-9.5%	
PCB-134 22'33'56-HxCB	31.71	1.08E+05	1.40 Y	0.78	0.75	-4.3%	
PCB-143 22'3456'-HxCB	31.78	1.25E+05	1.23 Y	0.90	0.86	-3.8%	
PCB-139/140 22'344'6-/22'344'	32.05	2.57E+05	1.24 Y	0.95	0.89	-6.5%	
PCB-131 22'33'46-HxCB	32.22	1.14E+05	1.32 Y	0.84	0.79	-5.8%	
PCB-142 22'3456-HxCB	32.35	1.28E+05	1.35 Y	0.87	0.89	1.8%	
PCB-132 22'33'46'-HxCB	32.59	1.29E+05	1.25 Y	0.88	0.89	1.8%	
PCB-133 22'33'55'-HxCB	33.04	1.29E+05	1.43 Y	0.89	0.89	0.3%	
PCB-165 233'55'6-HxCB	33.38	1.47E+05	1.20 Y	1.06	1.02	-4.2%	
PCB-146 22'34'55'-HxCB	33.59	1.28E+05	1.38 Y	0.94	0.88	-6.5%	
PCB-161 233'45'6-HxCB	33.71	1.68E+05	1.16 Y	1.20	1.16	-3.1%	
PCB-153/168 22'44'55'-/23'44'	34.14	3.20E+05	1.12 Y	1.15	1.11	-3.6%	
PCB-141 22'3455'-HxCB	34.27	1.27E+05	1.18 Y	0.91	0.88	-3.6%	
PCB-130 22'33'45'-HxCB	34.61	1.15E+05	1.13 Y	0.82	0.80	-2.9%	
PCB-137 22'344'5-HxCB	34.81	1.48E+05	1.20 Y	1.00	1.02	1.9%	
PCB-164 233'4'5'6-HxCB	34.89	1.44E+05	1.14 Y	1.14	0.99	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.17	4.04E+05	1.20 Y	0.98	0.93	-5.4%	
PCB-160 233'456-HxCB	35.30	1.60E+05	1.33 Y	1.14	1.10	-3.3%	
PCB-158 233'44'6-HxCB	35.49	1.73E+05	1.37 Y	1.24	1.20	-3.9%	
PCB-128/166 22'33'44'-/2344'5	36.21	2.39E+05	1.21 Y	0.86	0.79	-9.0%	
PCB-159 233'455'-HxCB	37.07	1.48E+05	1.25 Y	1.03	0.97	-5.2%	
PCB-162 233'4'55'-HxCB	37.31	1.47E+05	1.32 Y	1.04	0.97	-6.6%	
PCB-188 22'34'566'-HpCB	32.97	1.86E+05	1.00 Y	1.07	1.04	-2.2%	
PCB-179 22'33'566'-HpCB	33.24	1.54E+05	1.16 Y	0.98	0.86	-12.0%	
PCB-184 22'344'66'-HpCB	33.71	1.76E+05	0.98 Y	0.97	0.98	1.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:45		
Lab ID:	CS0_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 16:11						
Datafile:	120126S03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.72E+05	1.15 Y	1.06	0.96	-9.7%	
PCB-186 22'34566'-HpCB	34.37	1.75E+05	0.98 Y	1.02	0.98	-3.9%	
PCB-178 22'33'55'6'-HpCB	35.55	1.33E+05	1.11 Y	0.77	0.74	-3.9%	
PCB-175 22'33'45'6'-HpCB	36.09	1.28E+05	1.14 Y	0.89	0.90	0.3%	
PCB-187 22'34'55'6'-HpCB	36.32	1.36E+05	1.10 Y	0.94	0.95	1.8%	
PCB-182 22'344'56'-HpCB	36.50	1.29E+05	1.05 Y	0.95	0.90	-5.1%	
PCB-183 22'344'5'6'-HpCB	36.84	1.28E+05	1.14 Y	0.96	0.90	-6.4%	
PCB-185 22'3455'6'-HpCB	36.91	1.36E+05	1.09 Y	0.93	0.95	2.7%	
PCB-174 22'33'456'-HpCB	37.02	1.02E+05	1.19 Y	0.80	0.71	-10.8%	
PCB-177 22'33'4'56'-HpCB	37.39	1.11E+05	1.14 Y	0.82	0.78	-4.5%	
PCB-181 22'344'56'-HpCB	37.74	1.20E+05	1.01 Y	0.91	0.84	-8.3%	
PCB-171/173 22'33'44'6'-/22'3	37.92	2.10E+05	1.13 Y	0.81	0.73	-9.7%	
PCB-172 22'33'455'-HpCB	39.31	1.10E+05	1.18 Y	0.83	0.77	-6.8%	
PCB-192 233'455'6'-HpCB	39.55	1.55E+05	1.19 Y	1.09	1.09	-0.6%	
PCB-180/193 22'344'55'-/233'	39.83	2.76E+05	1.16 Y	1.01	0.97	-4.5%	
PCB-191 233'44'5'6'-HpCB	40.15	1.63E+05	1.12 Y	1.13	1.14	0.7%	
PCB-170 22'33'44'5'-HpCB	40.91	1.10E+05	1.00 Y	1.00	0.91	-8.9%	
PCB-190 233'44'56'-HpCB	41.36	1.64E+05	1.00 Y	1.35	1.36	0.1%	
PCB-202 22'33'55'66'-OcCB	37.51	1.47E+05	0.83 Y	0.83	0.86	4.3%	
PCB-201 22'33'45'66'-OcCB	38.30	1.53E+05	0.88 Y	0.93	0.90	-3.0%	
PCB-204 22'344'566'-OcCB	38.87	1.54E+05	0.81 Y	0.89	0.91	1.7%	
PCB-197 22'33'44'66'-OcCB	39.06	1.42E+05	0.75 N	0.91	0.83	-8.6%	
PCB-200 22'33'4566'-OcCB	39.14	1.57E+05	0.88 Y	0.93	0.92	-0.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	2.32E+05	0.91 Y	0.68	0.68	-0.3%	
PCB-196 22'33'44'56'-OcCB	42.07	1.20E+05	0.98 Y	0.72	0.70	-2.1%	
PCB-203 22'344'55'6'-OcCB	42.24	1.24E+05	0.95 Y	0.74	0.73	-1.5%	
PCB-195 22'33'44'56'-OcCB	43.34	9.61E+04	0.87 Y	0.81	0.78	-3.3%	
PCB-194 22'33'44'55'-OcCB	45.32	9.59E+04	0.94 Y	0.86	0.78	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	1.30E+05	0.86 Y	1.09	1.06	-2.6%	
PCB-208 22'33'455'66'-NoCB	43.15	1.24E+05	0.75 Y	0.98	0.95	-2.2%	
PCB-207 22'33'44'566'-NoCB	43.94	1.27E+05	0.74 Y	1.02	0.97	-4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.19	9.35E+04	0.76 Y	0.93	0.89	-4.3%	

AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

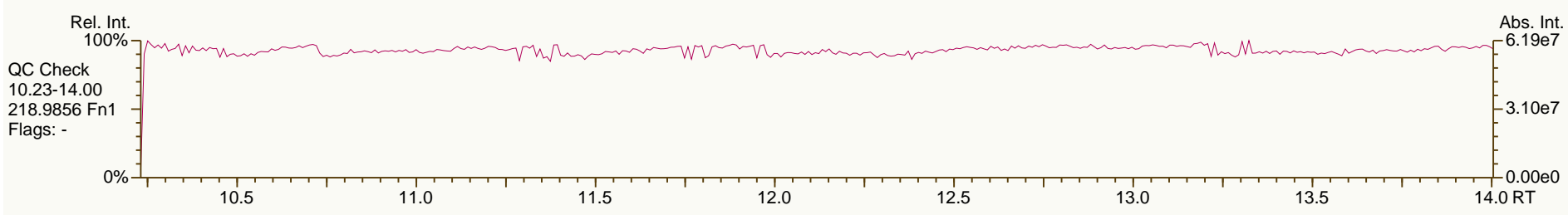
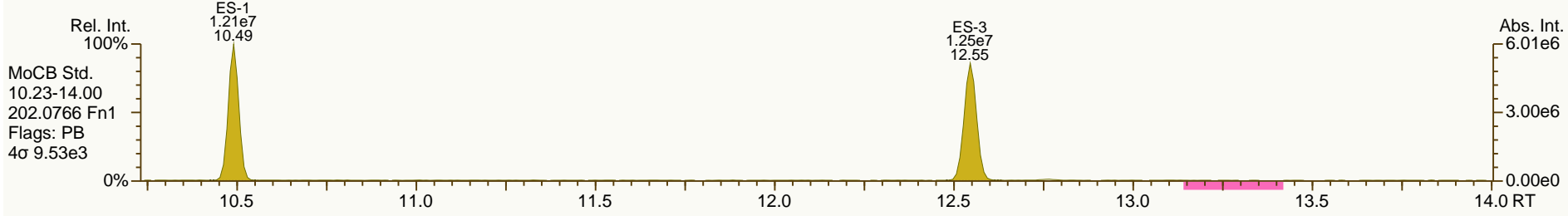
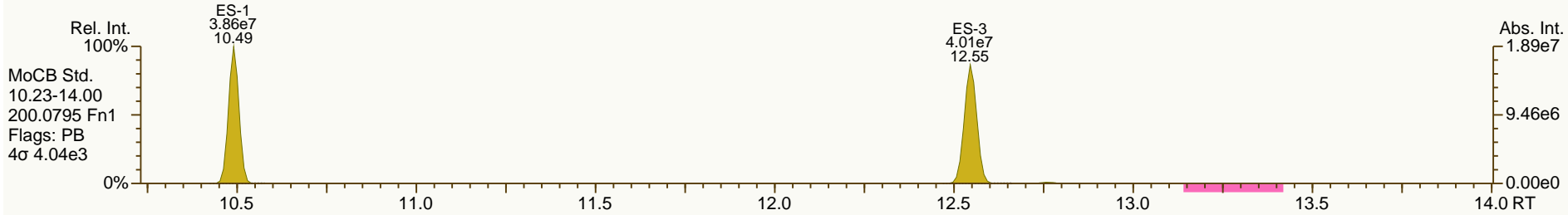
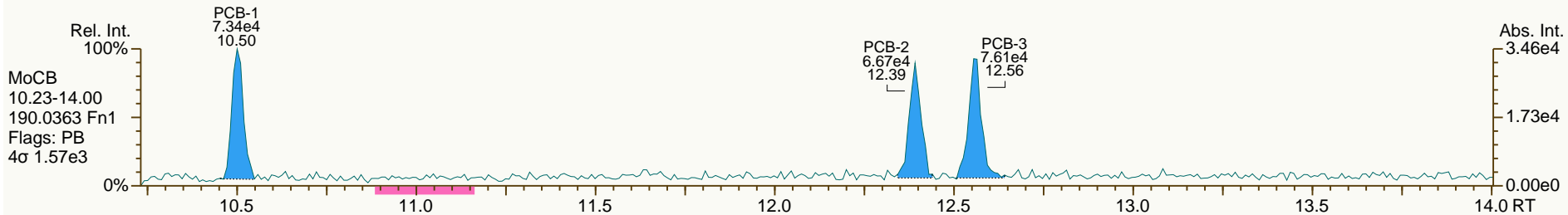
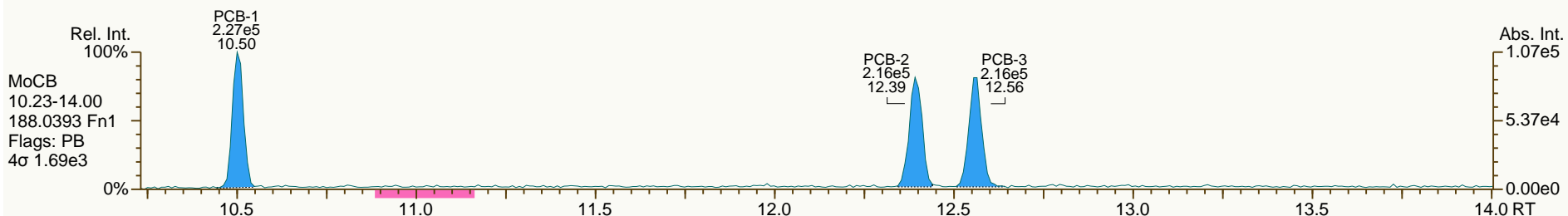
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

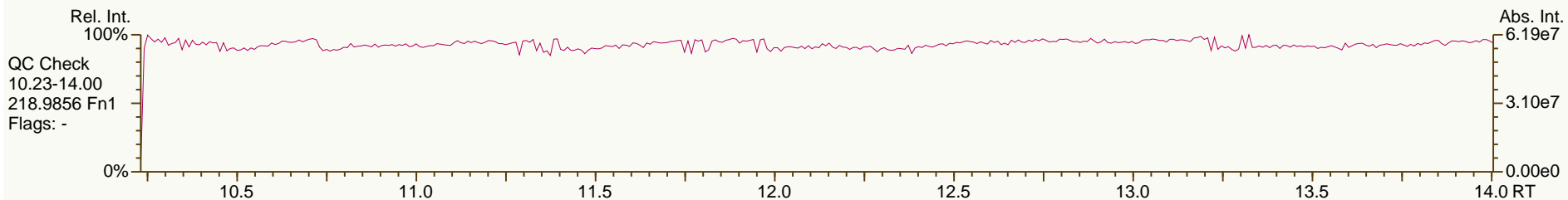
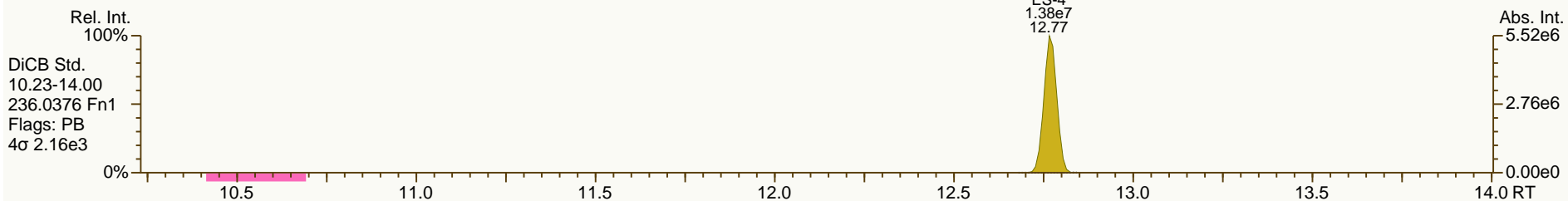
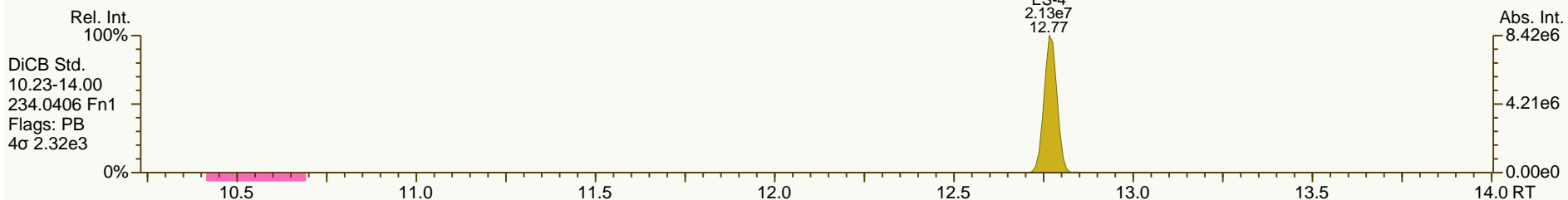
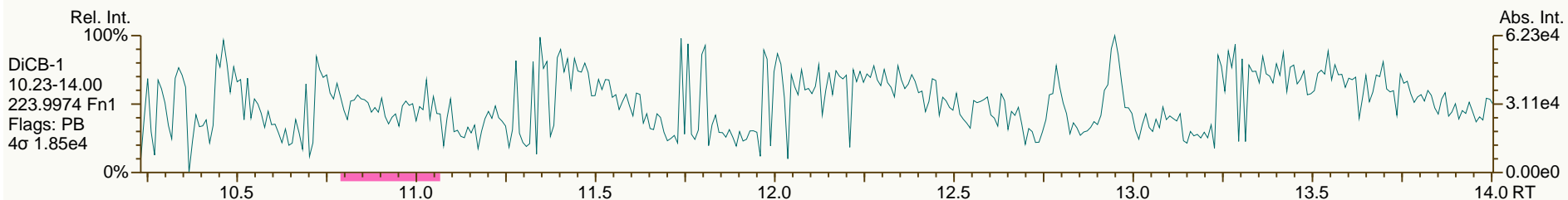
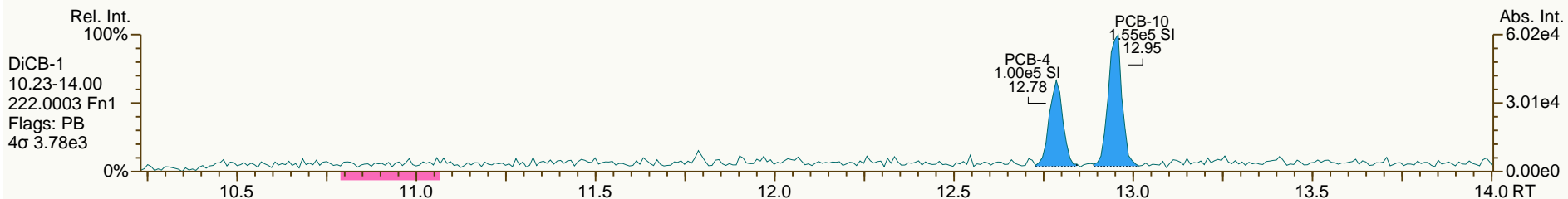
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

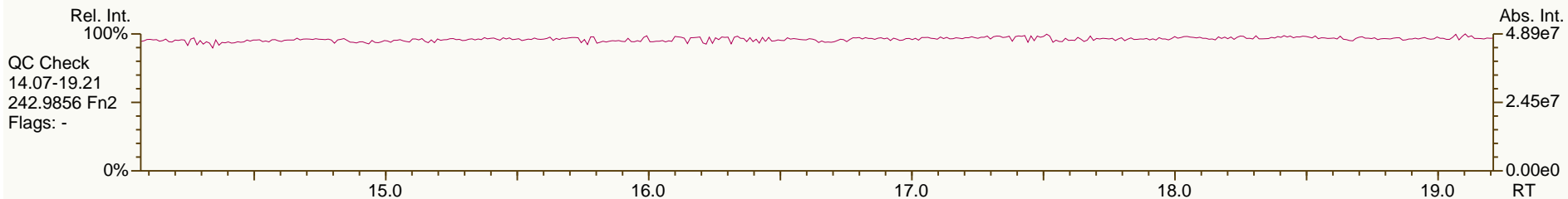
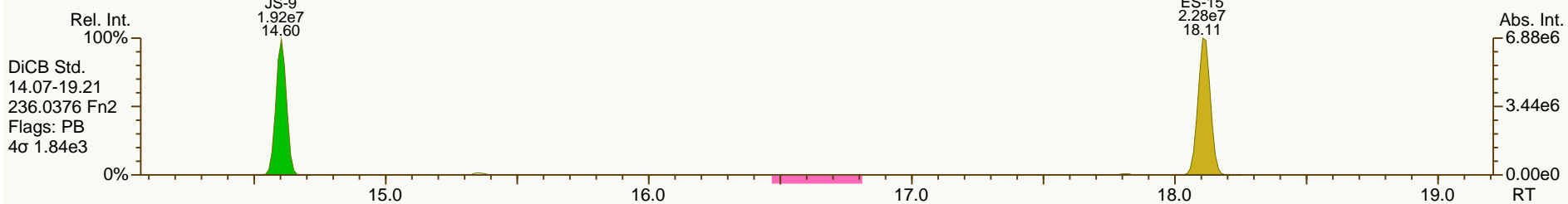
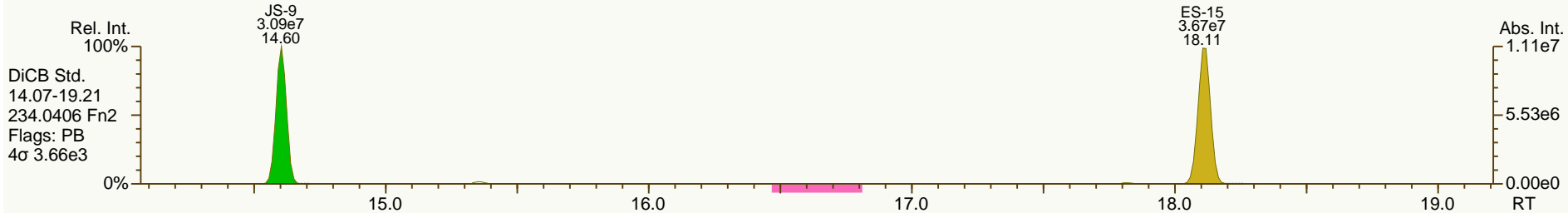
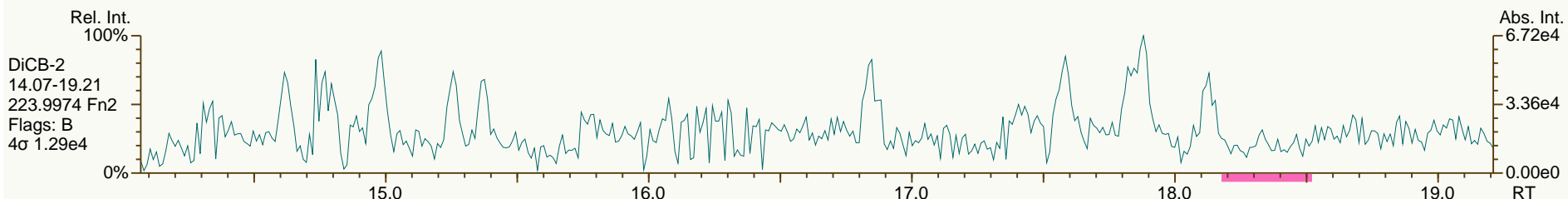
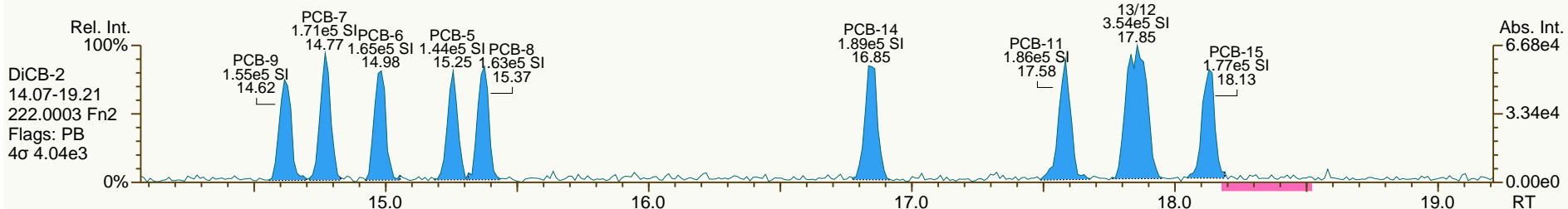
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

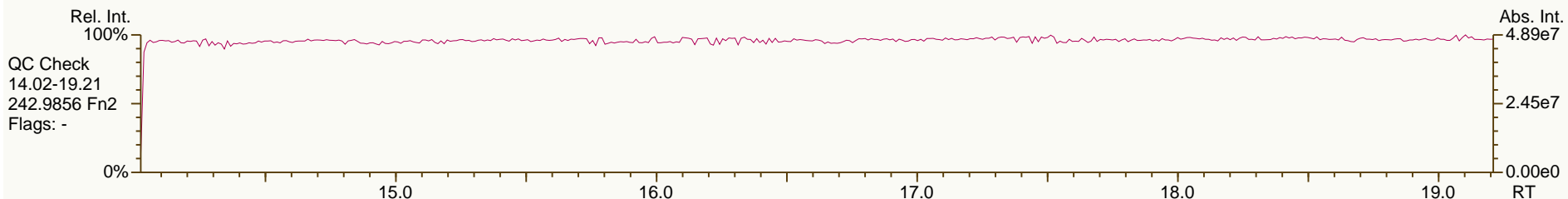
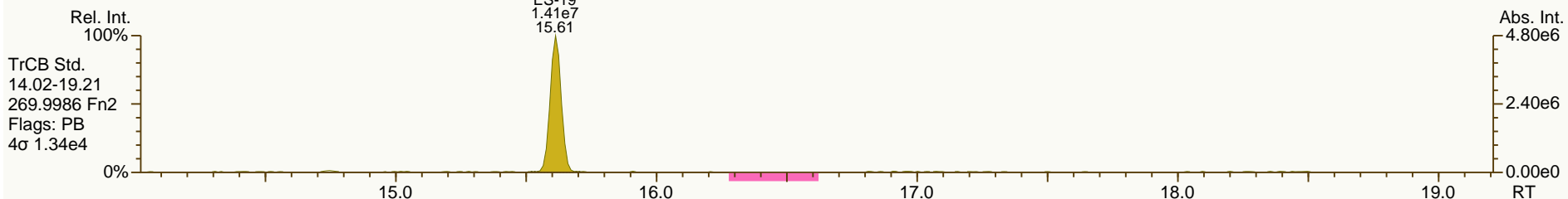
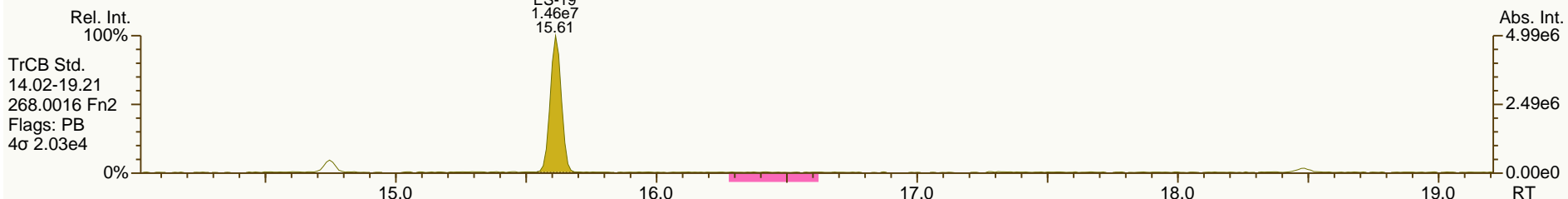
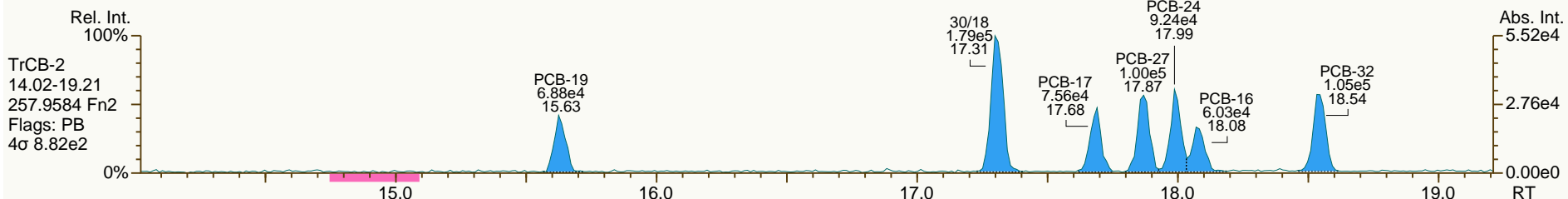
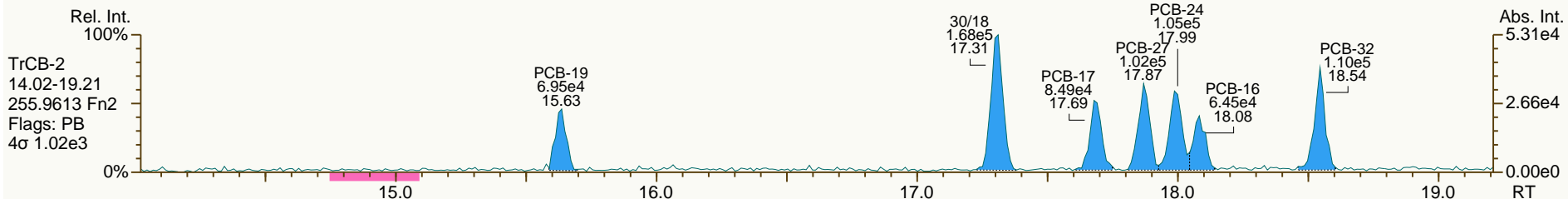
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

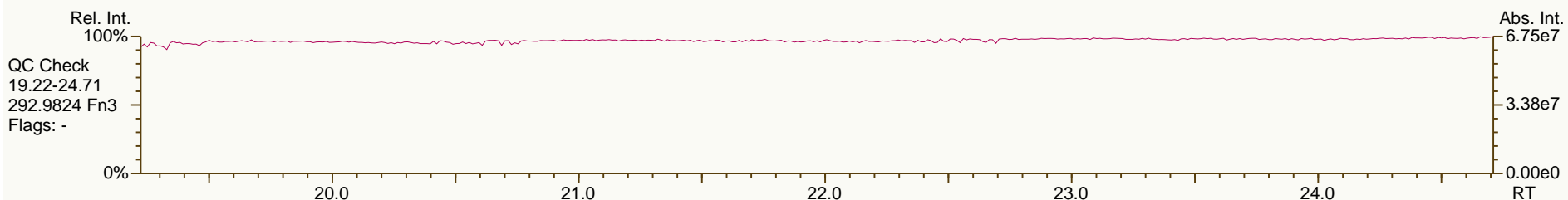
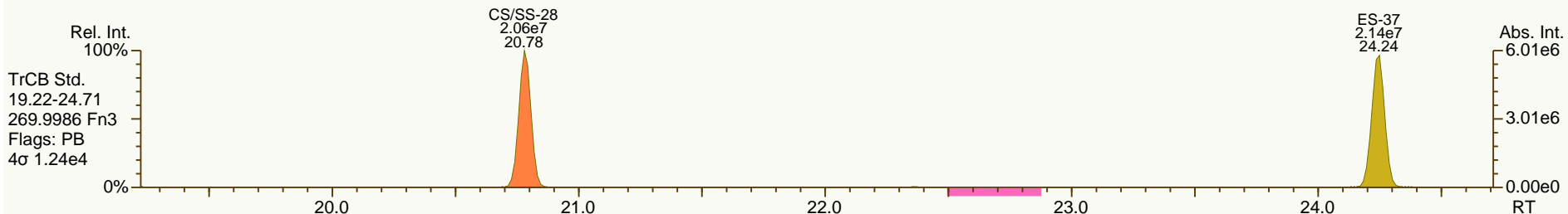
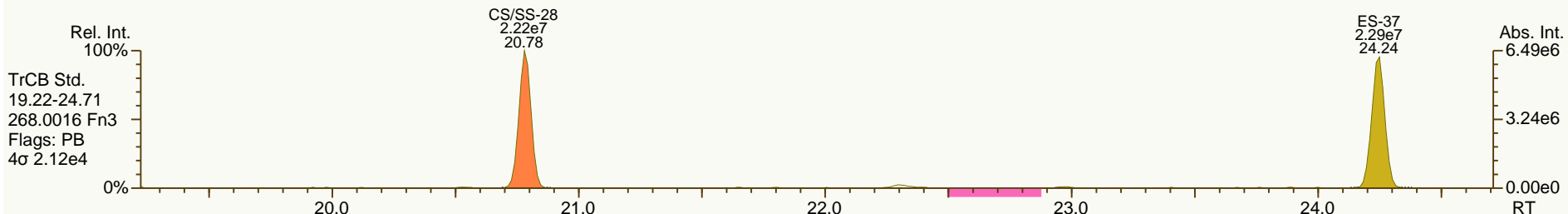
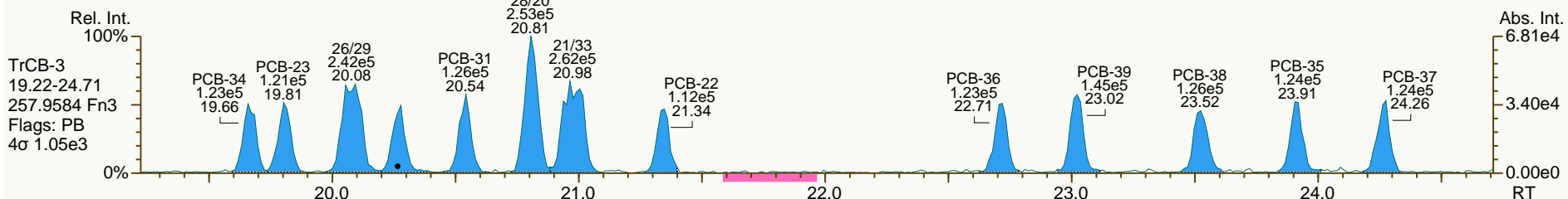
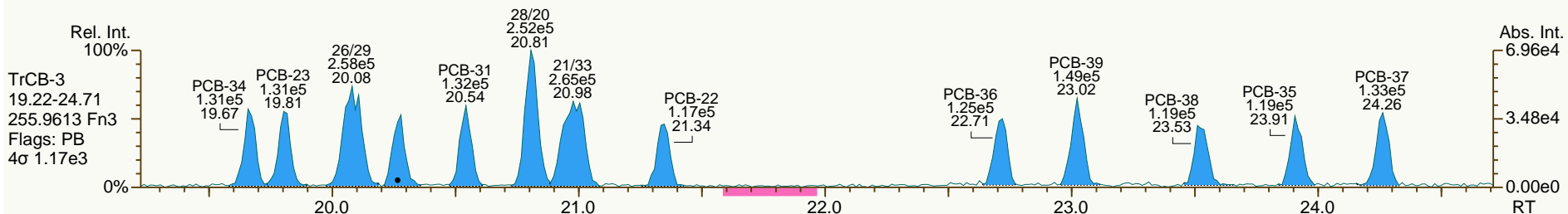
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

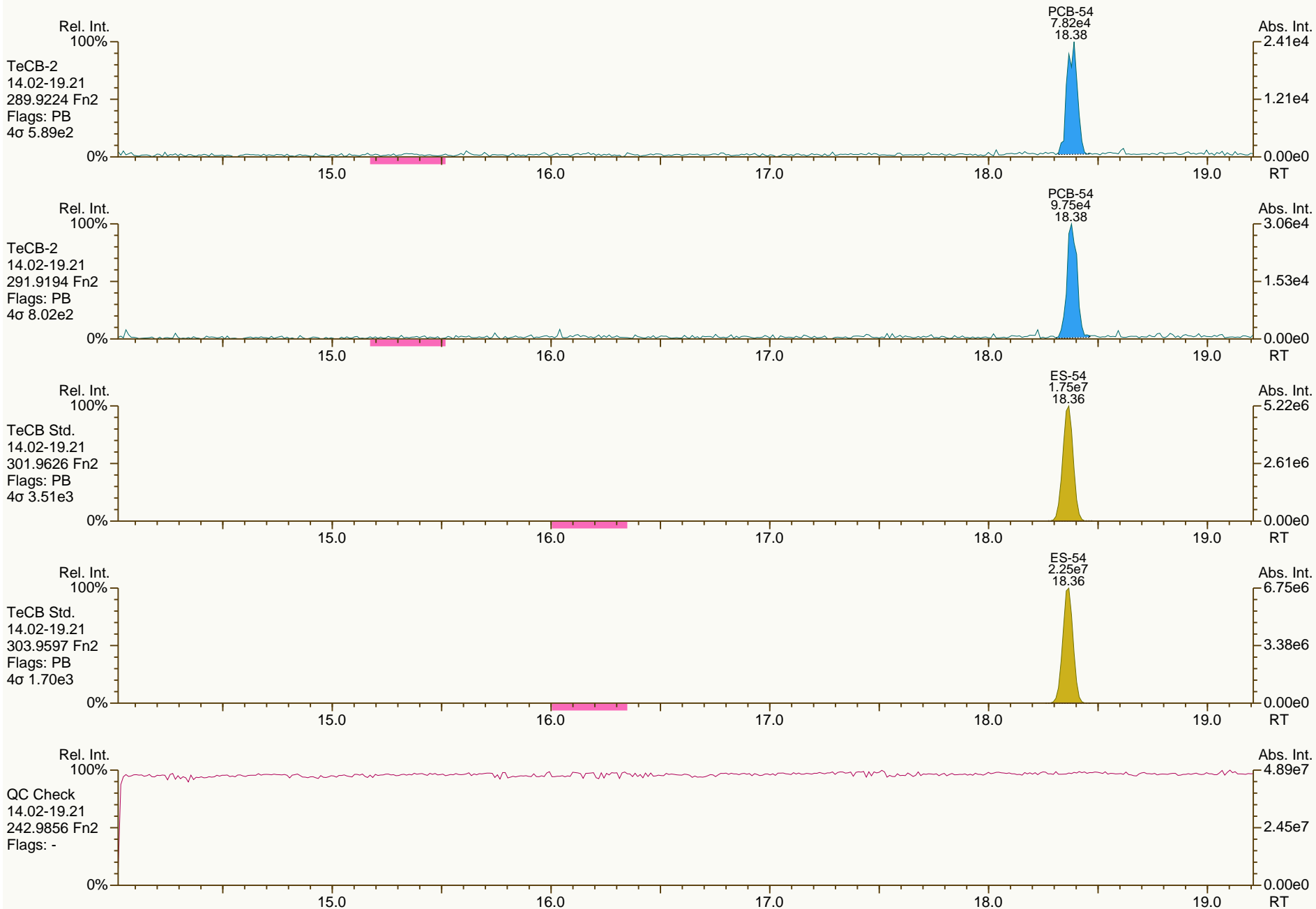
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AP Lab ID: CS0_120126_PCB_SA
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

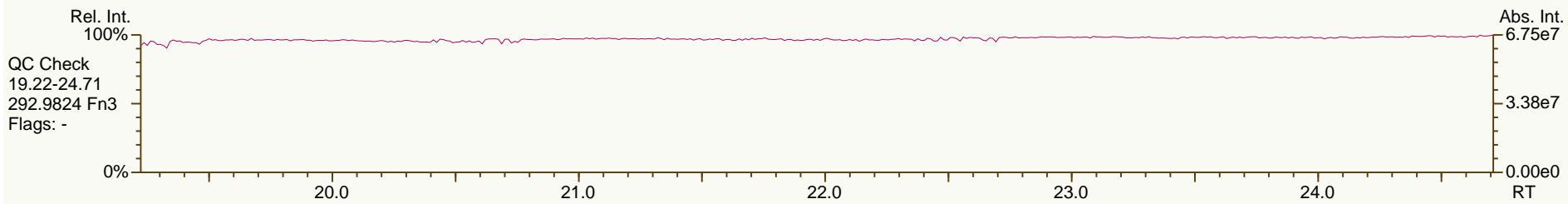
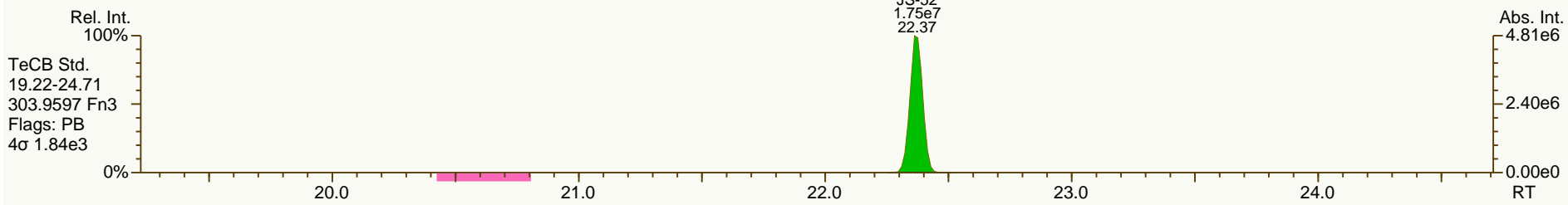
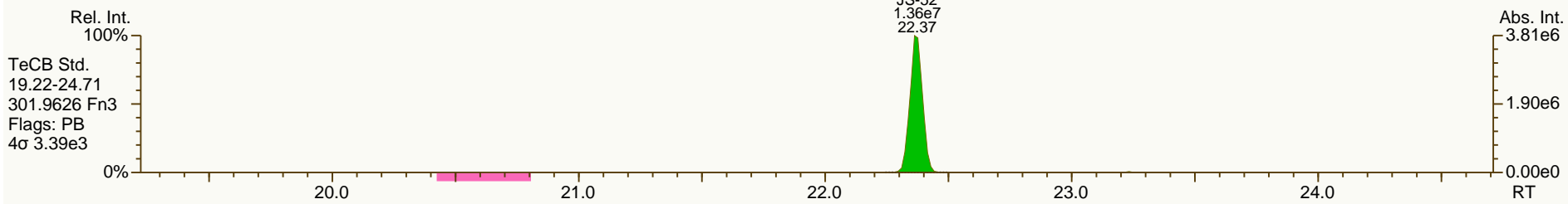
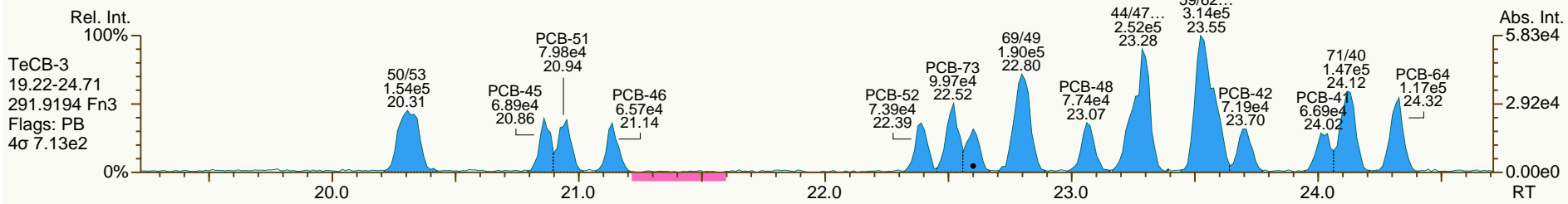
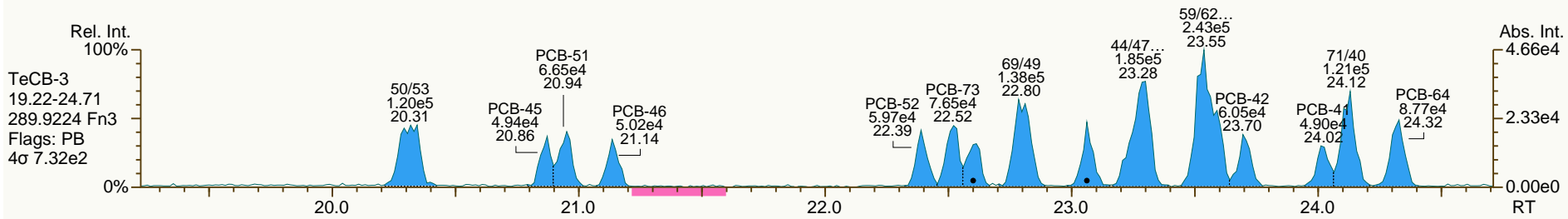
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AP Lab ID: CS0_120126_PCB_SA
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

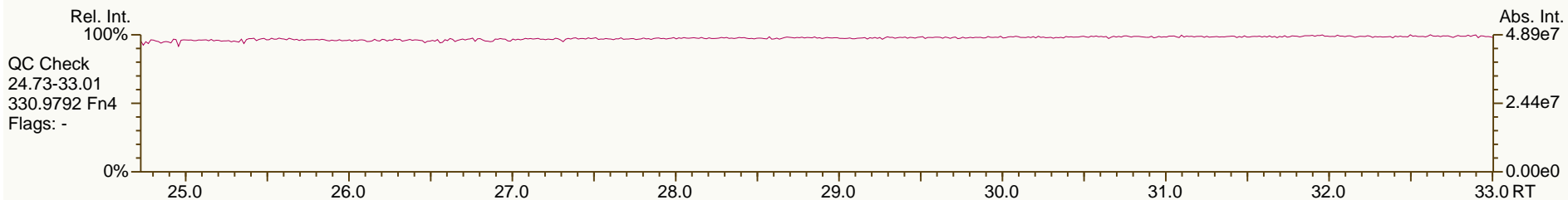
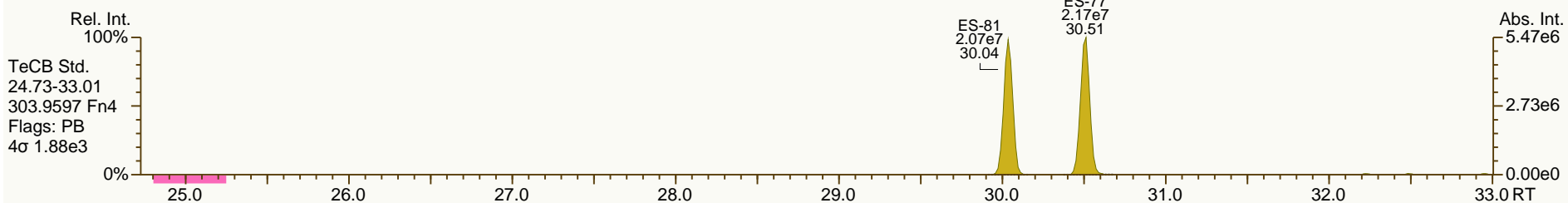
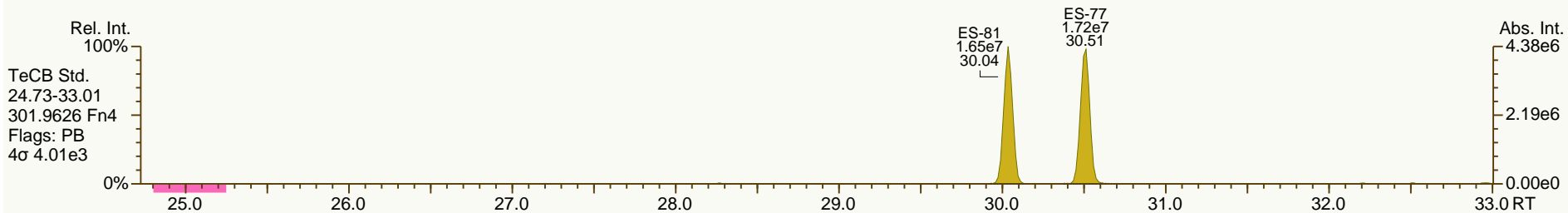
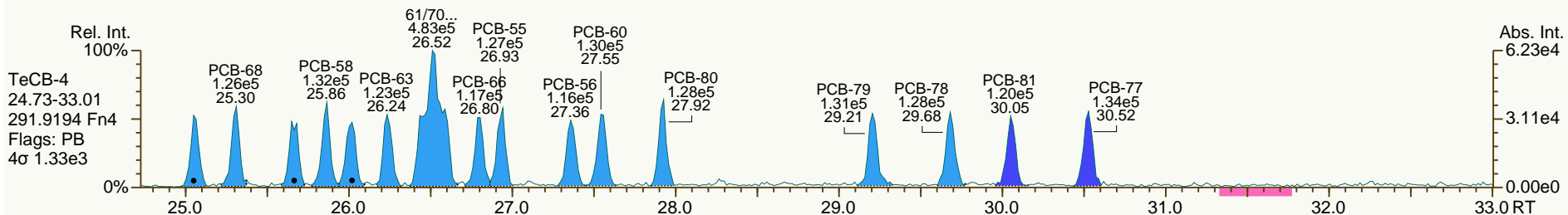
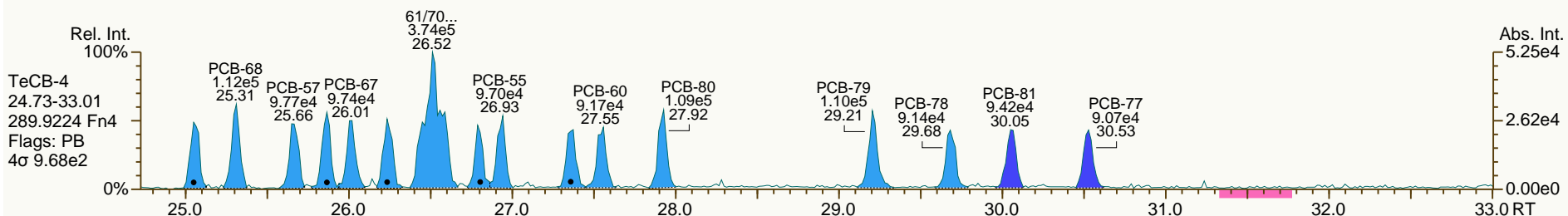
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AP Lab ID: CS0_120126_PCB_SA
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

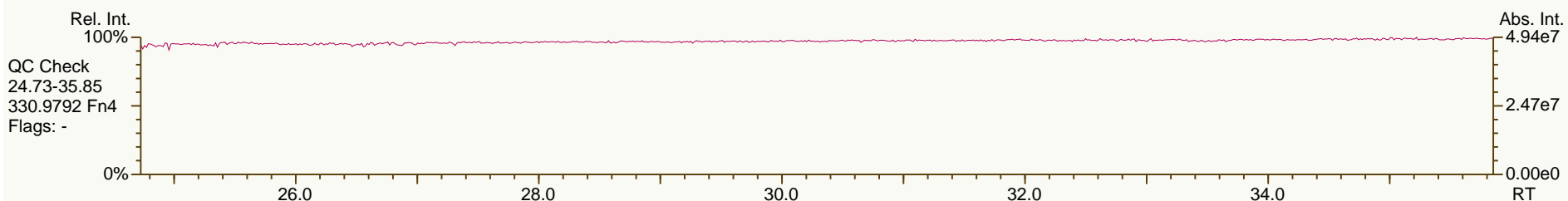
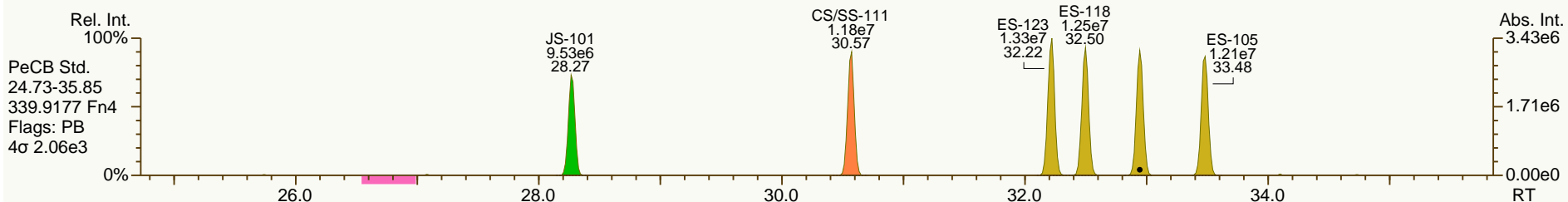
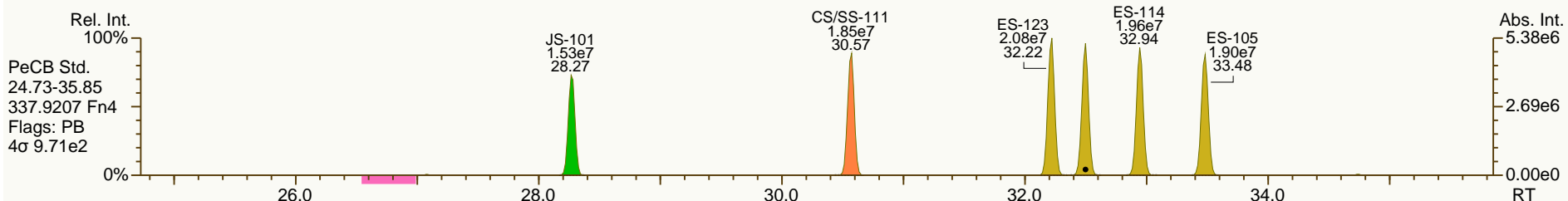
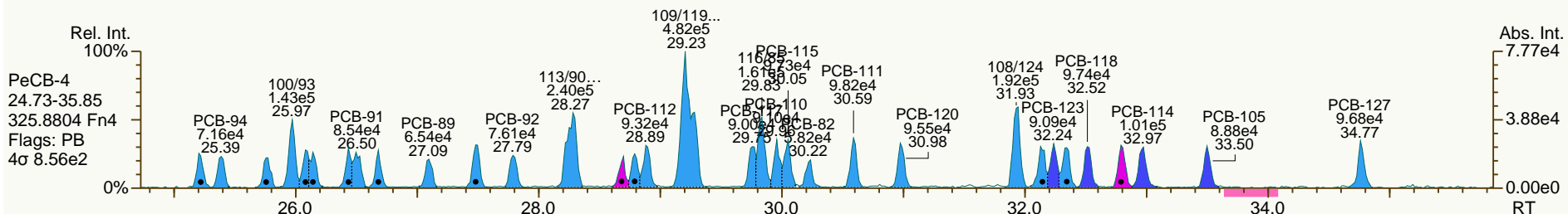
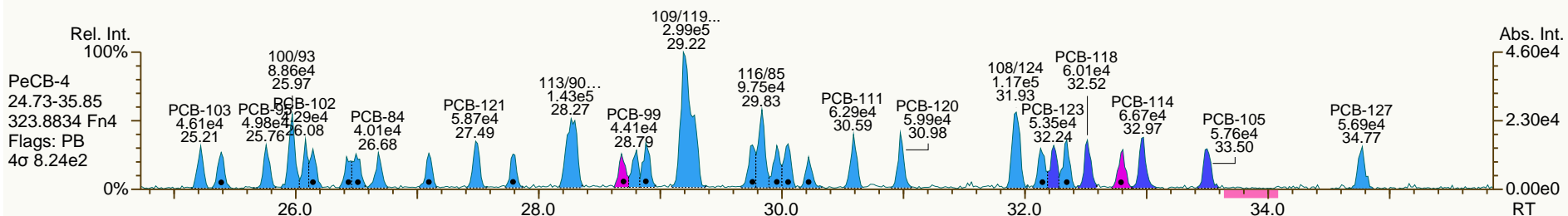
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AP Lab ID: CS0_120126_PCB_SA
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Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

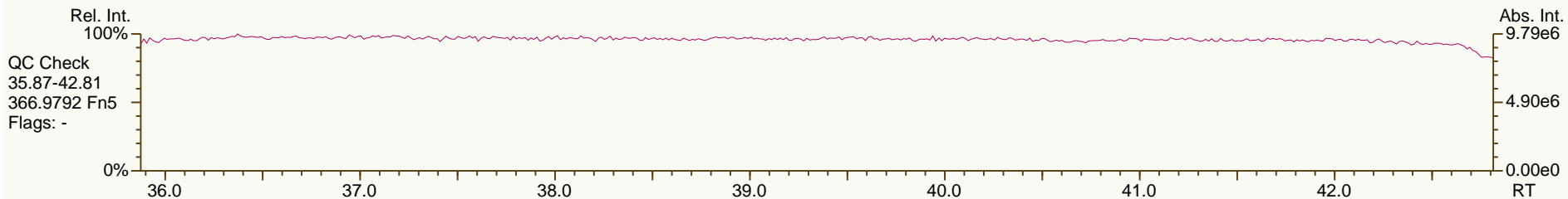
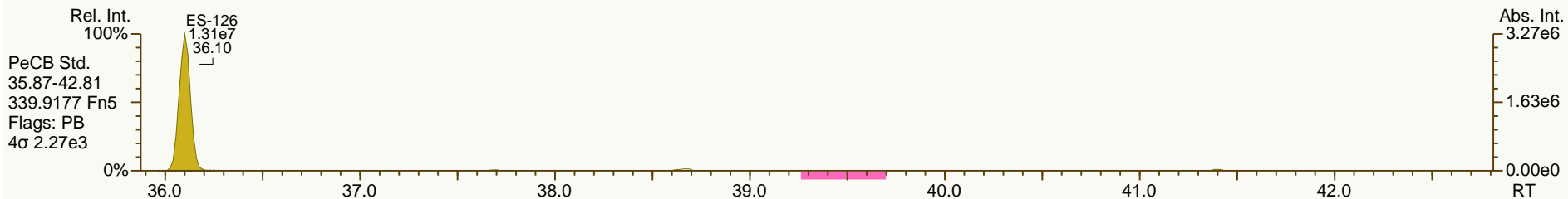
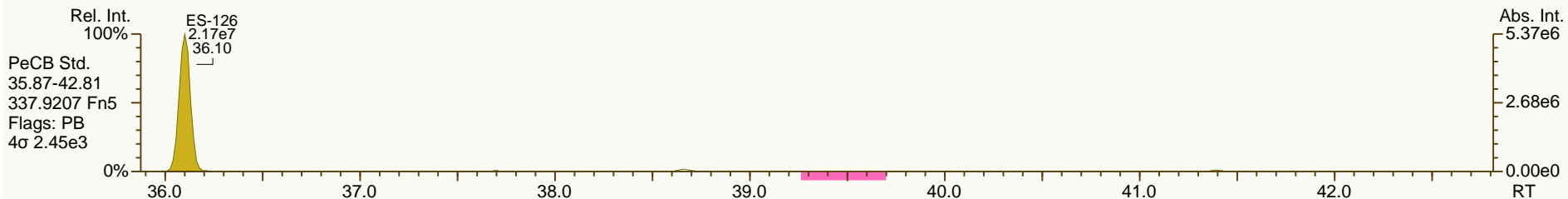
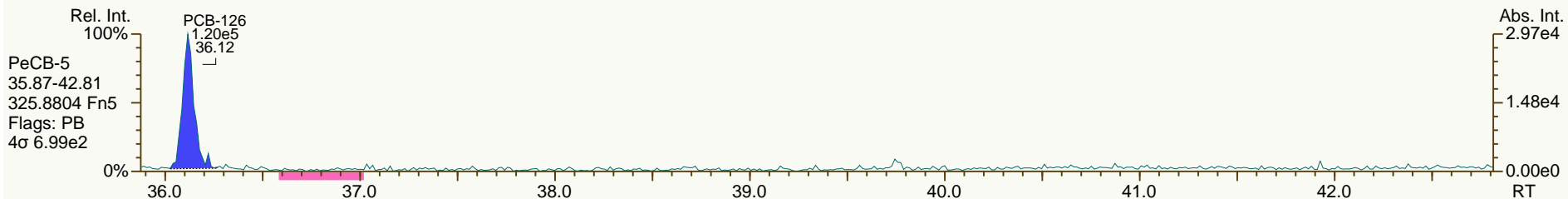
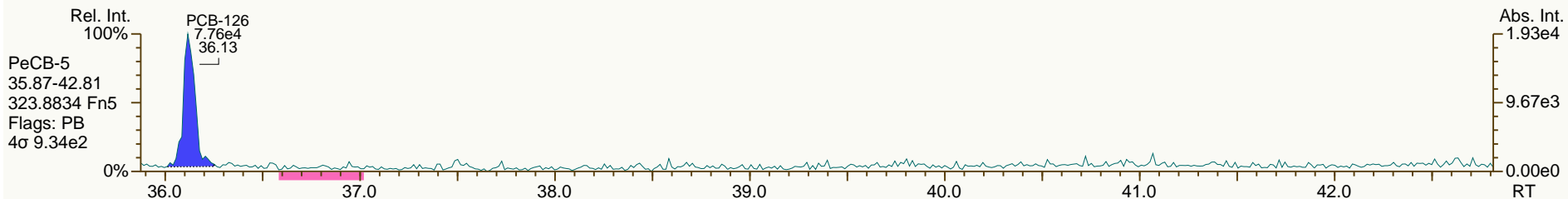
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

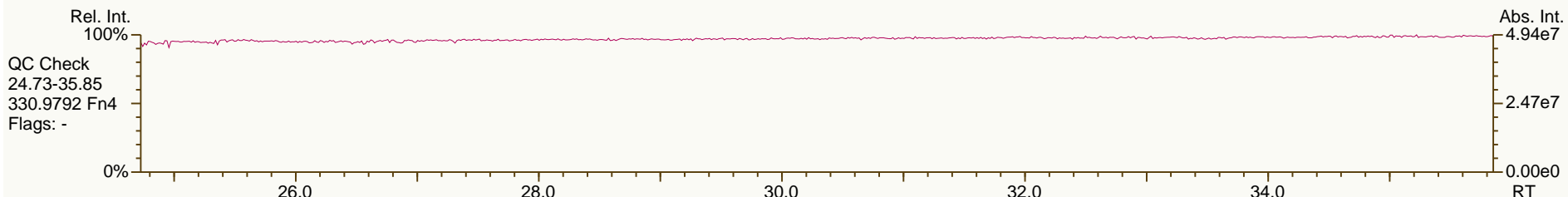
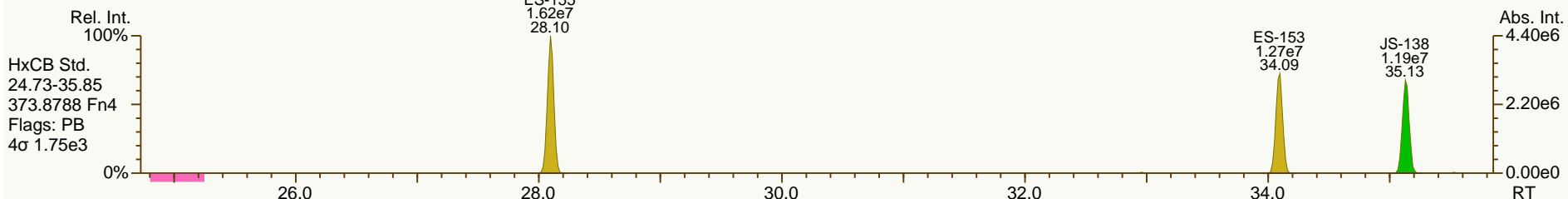
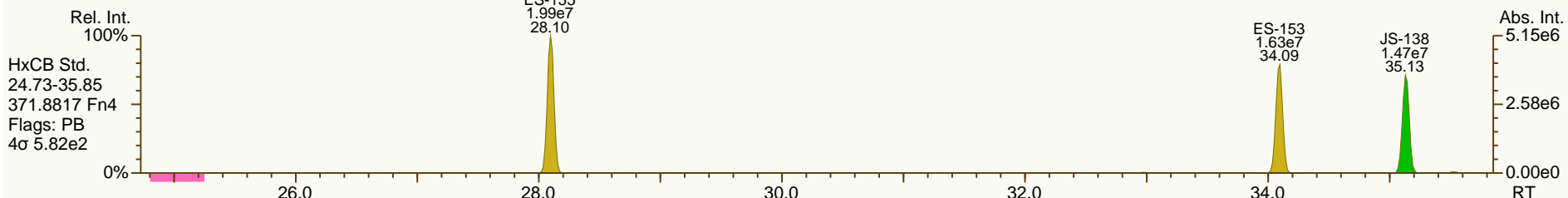
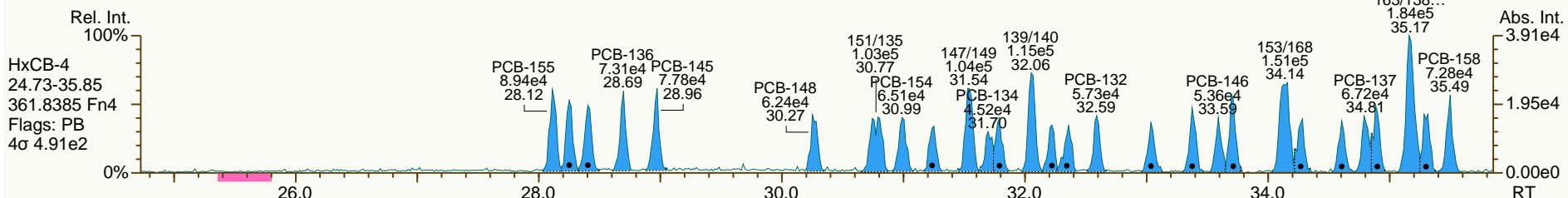
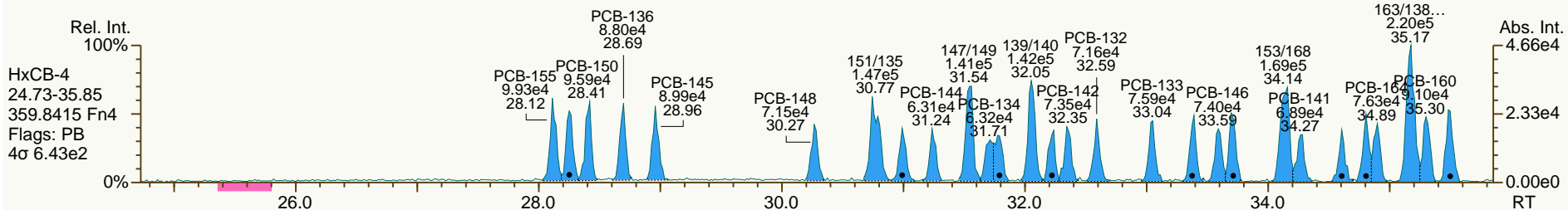
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

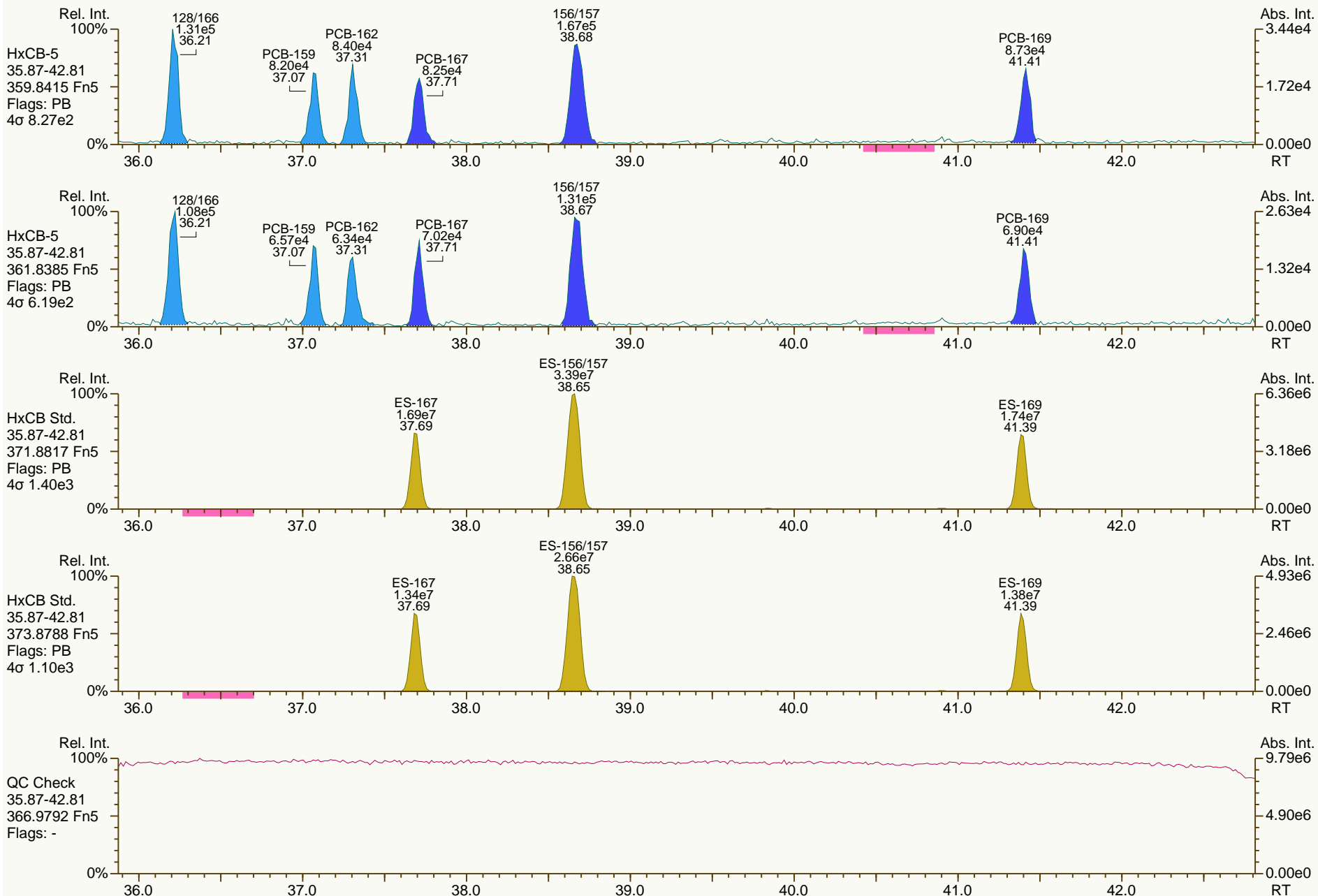
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

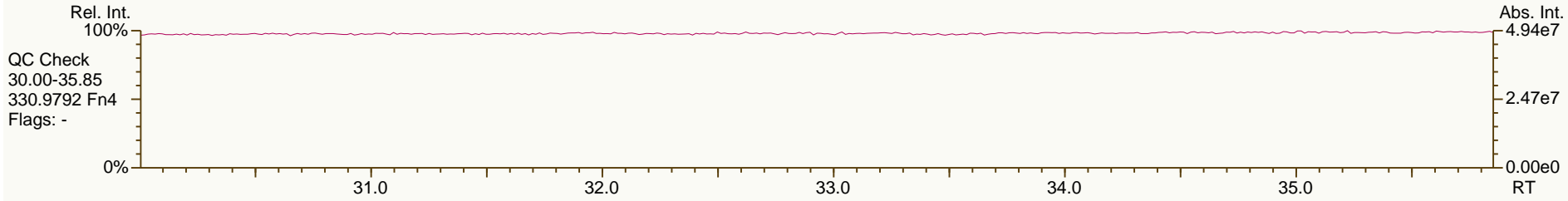
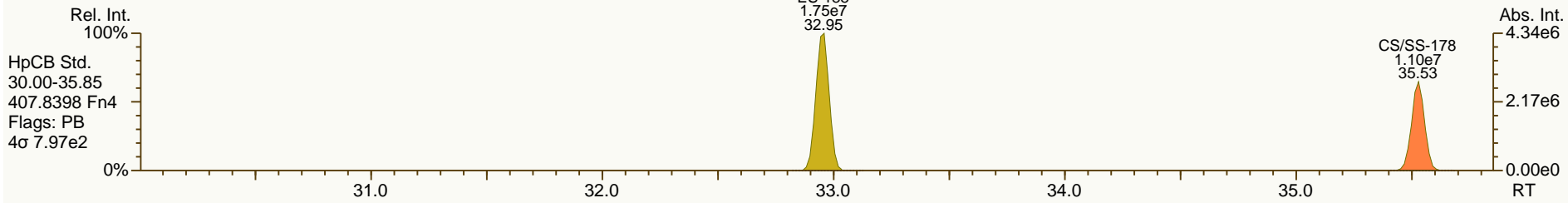
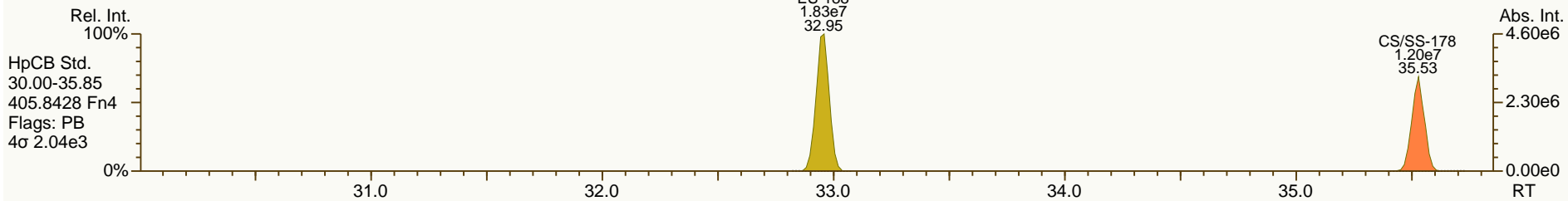
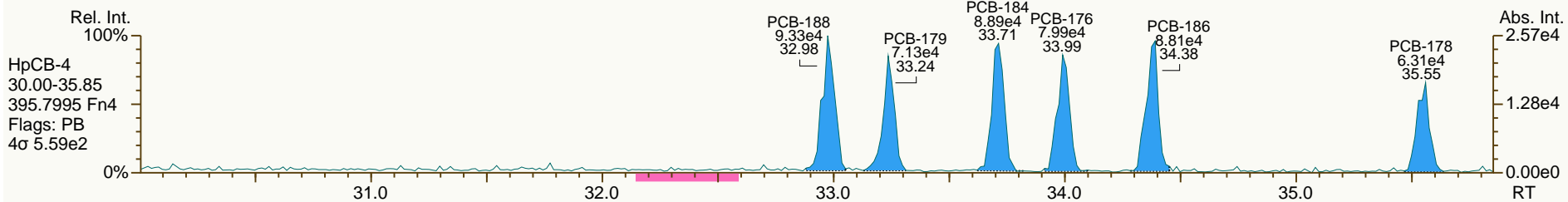
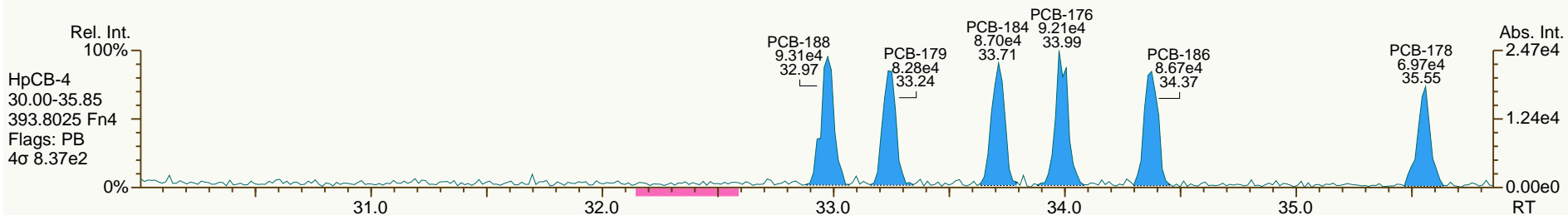
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

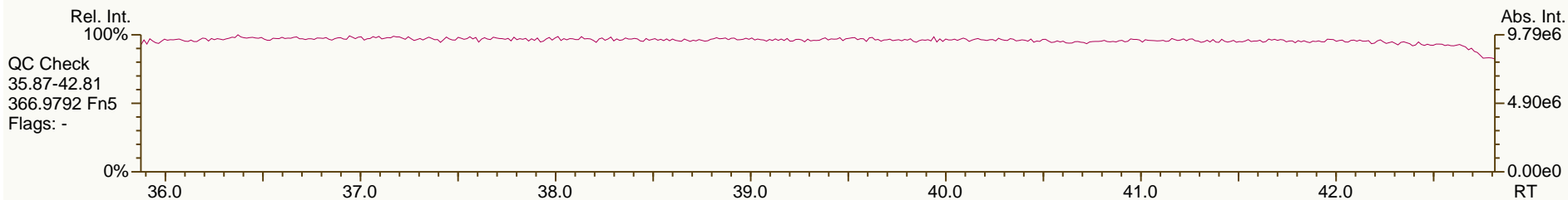
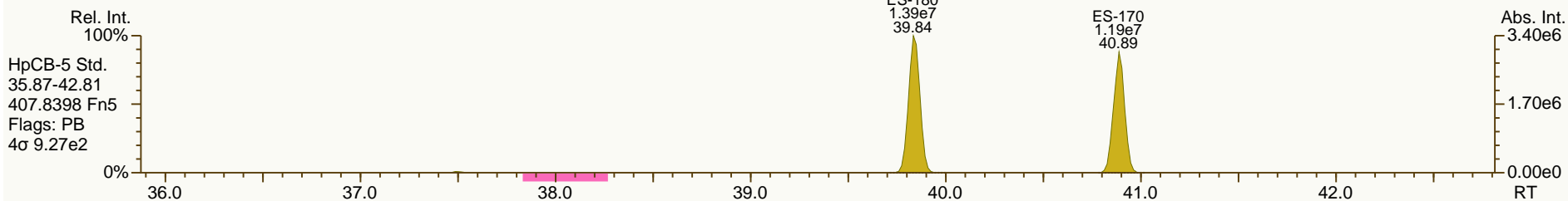
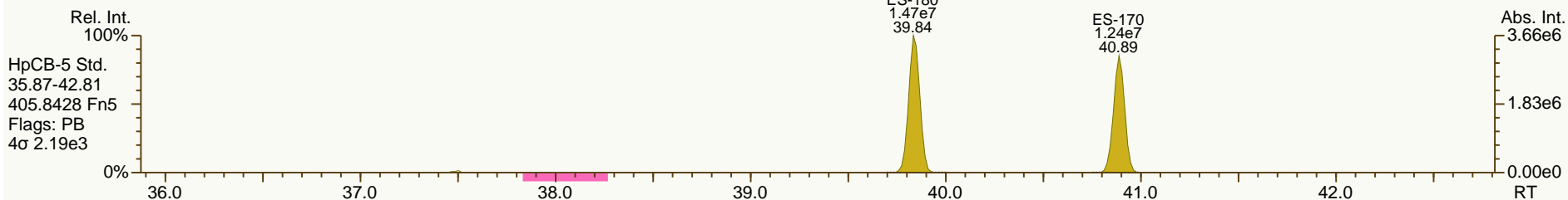
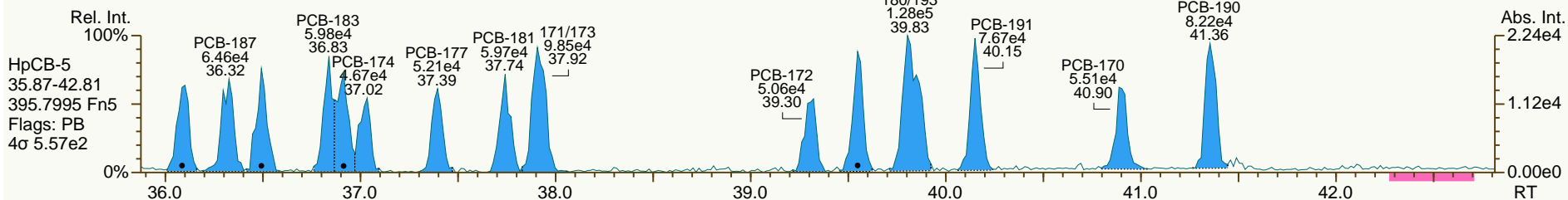
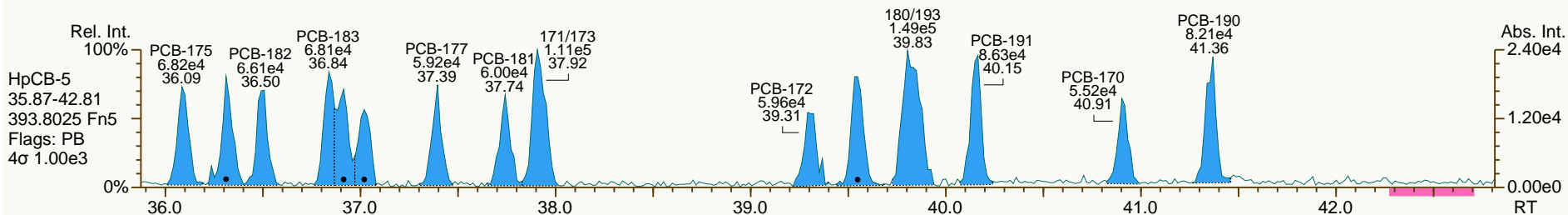
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

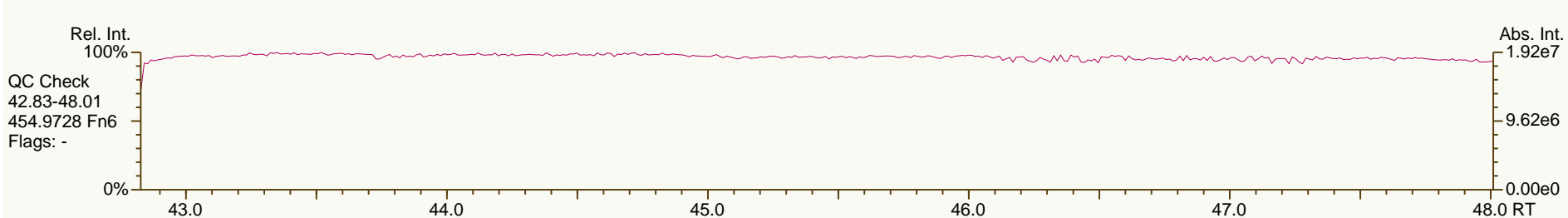
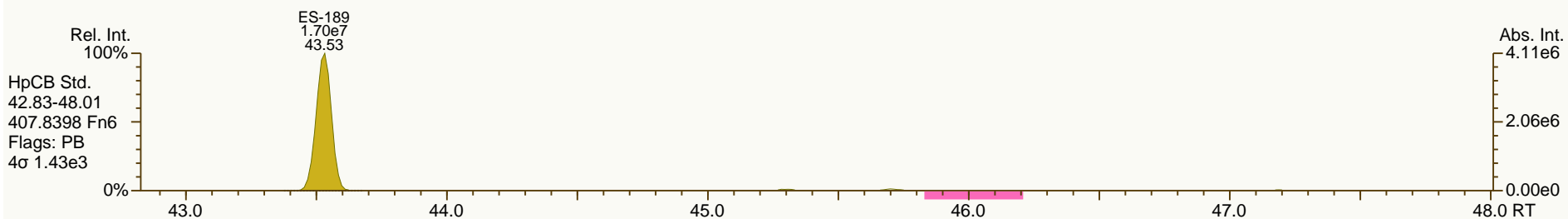
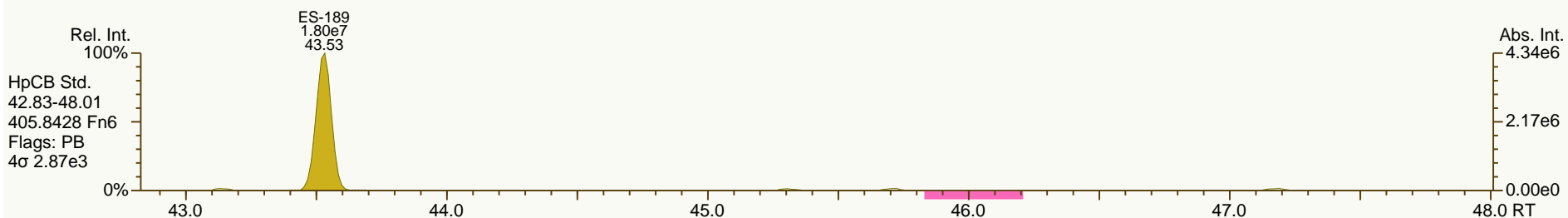
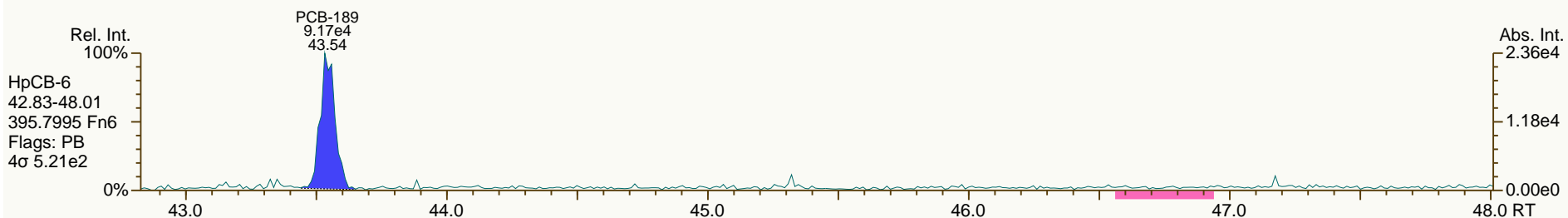
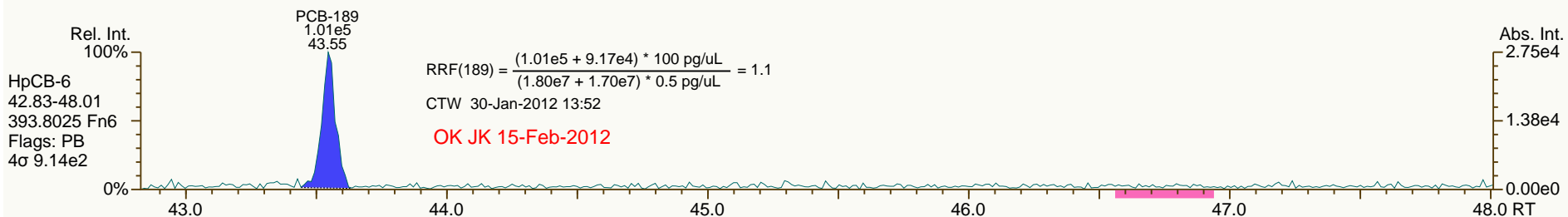
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

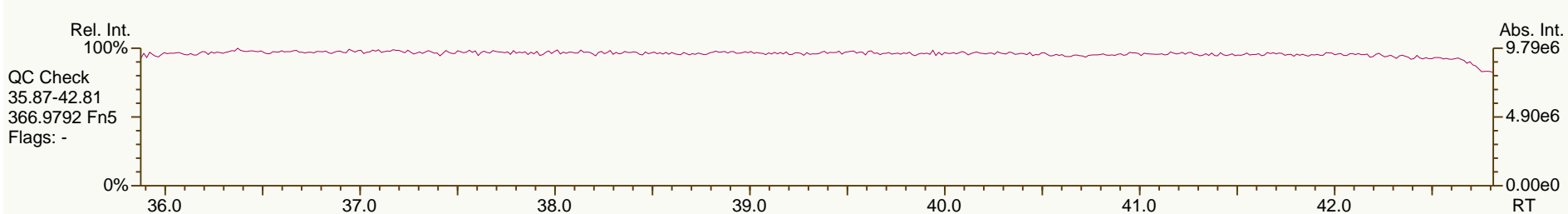
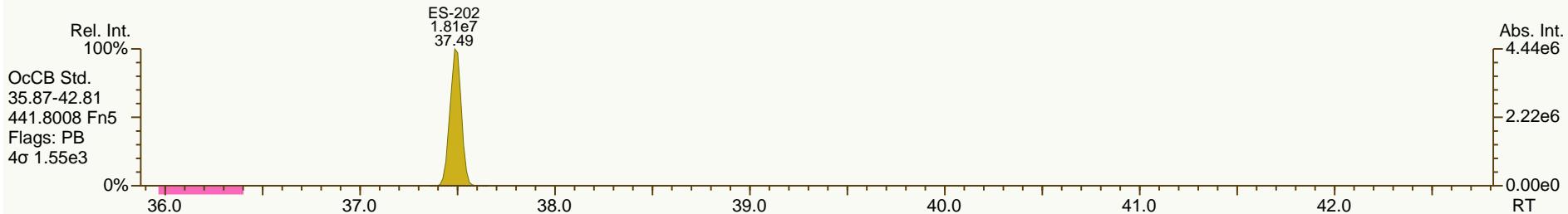
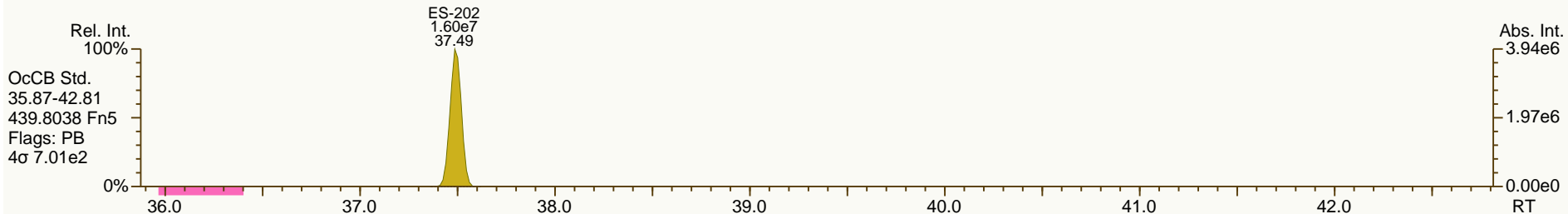
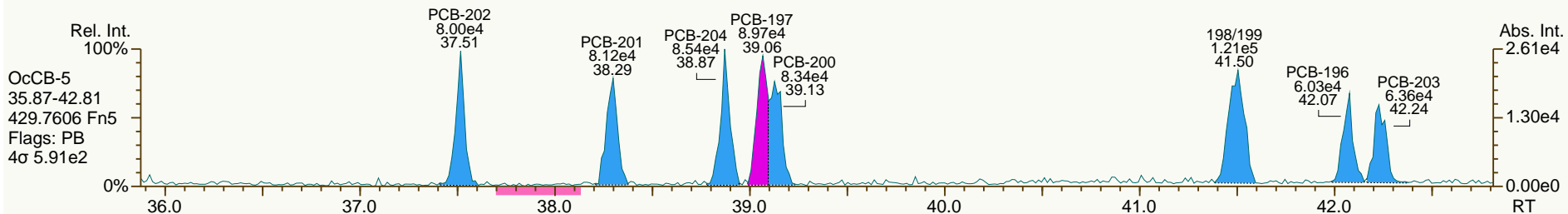
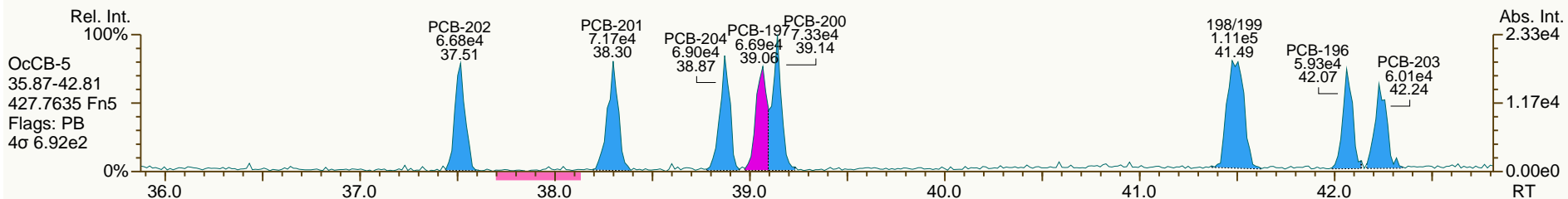
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

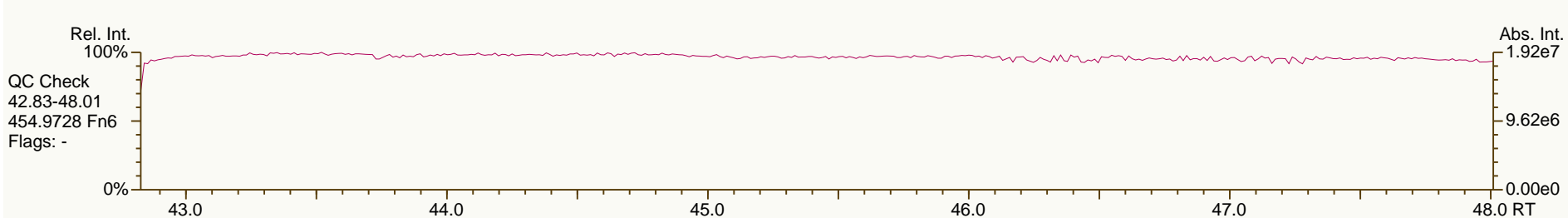
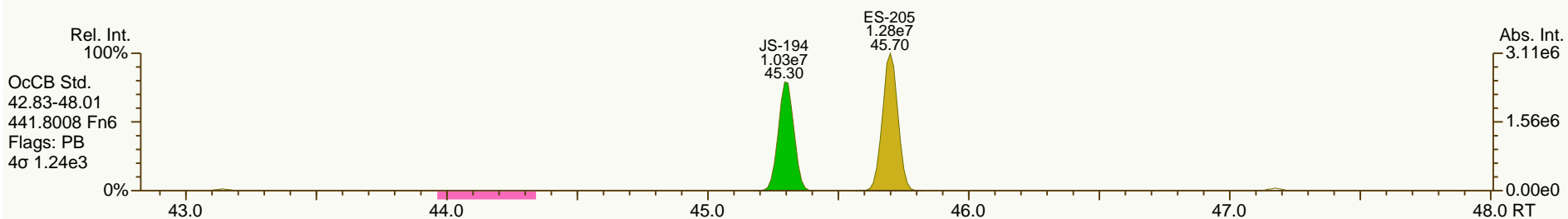
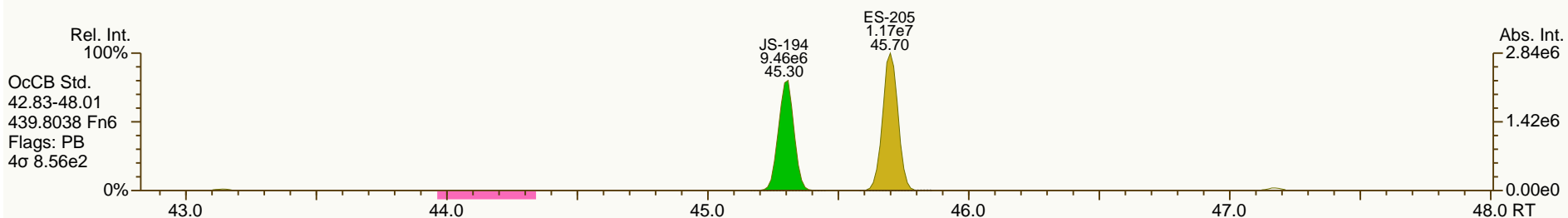
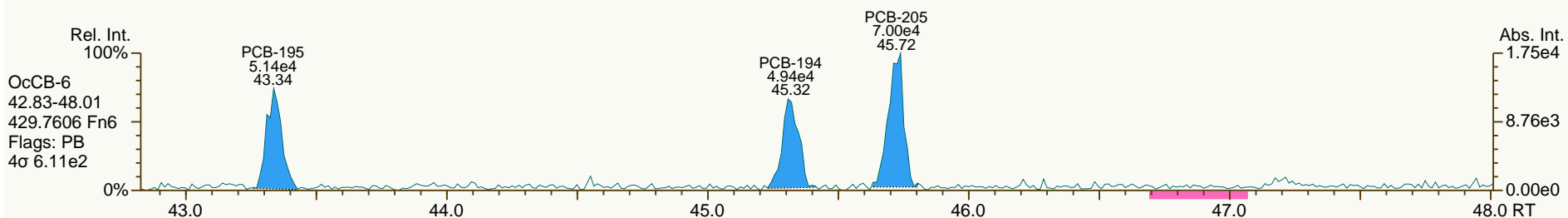
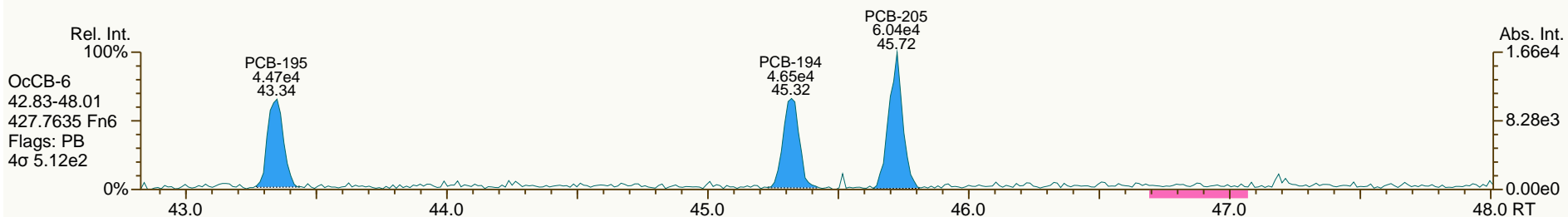
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

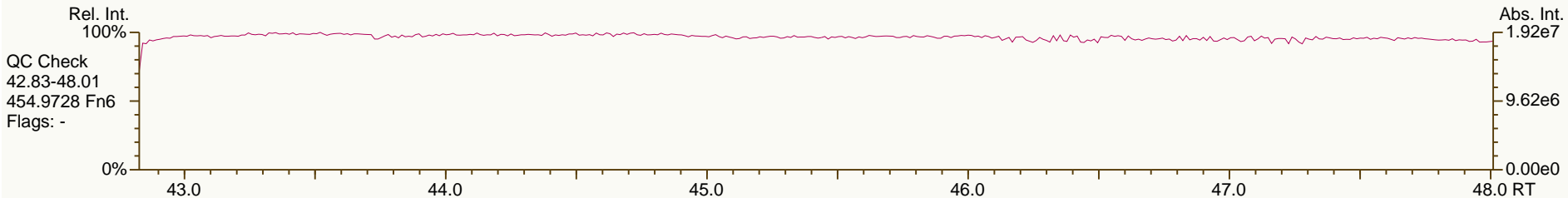
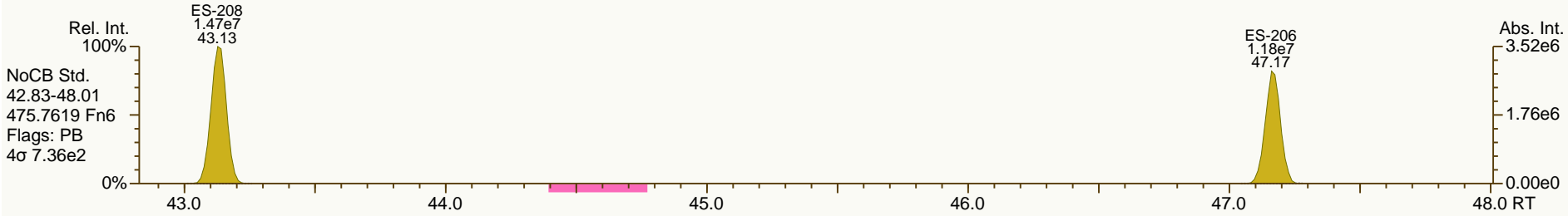
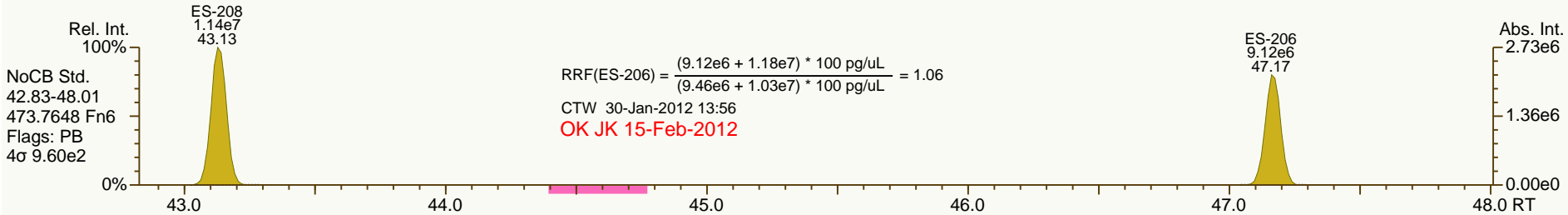
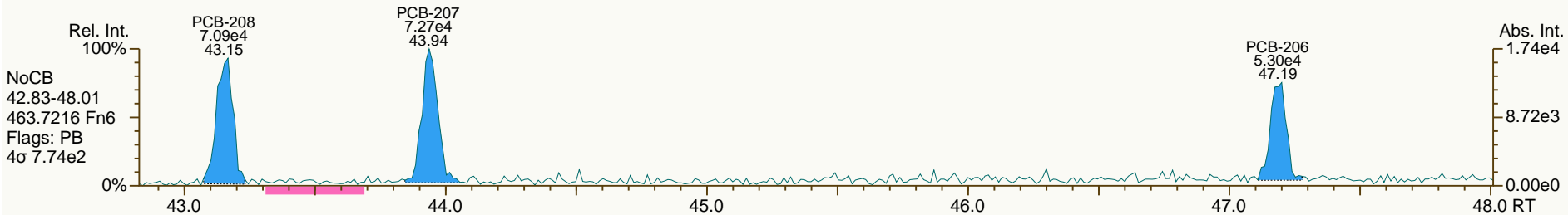
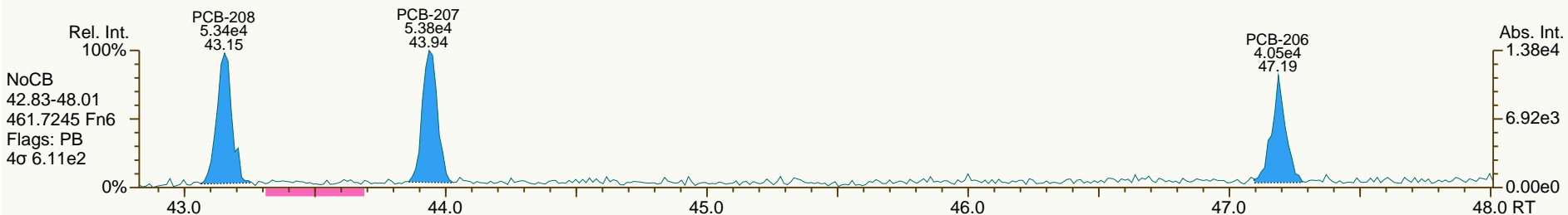
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AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

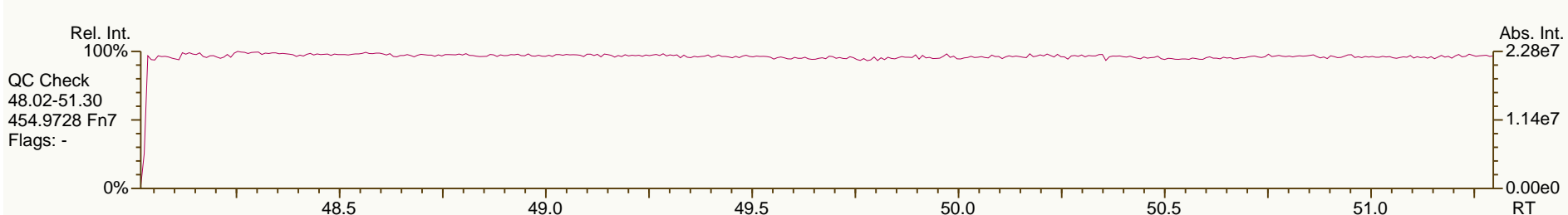
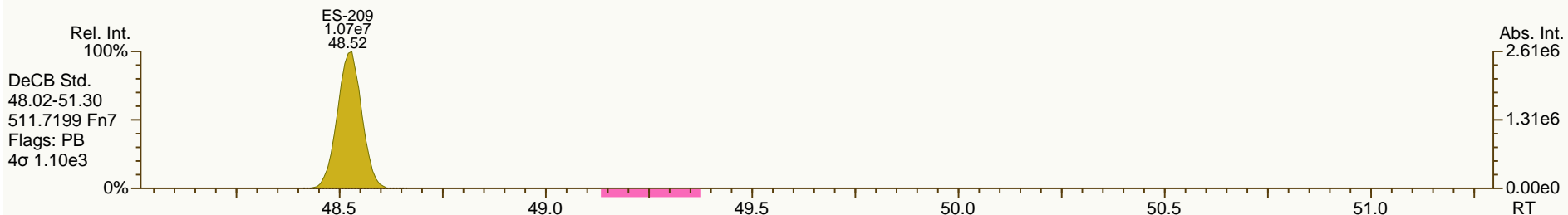
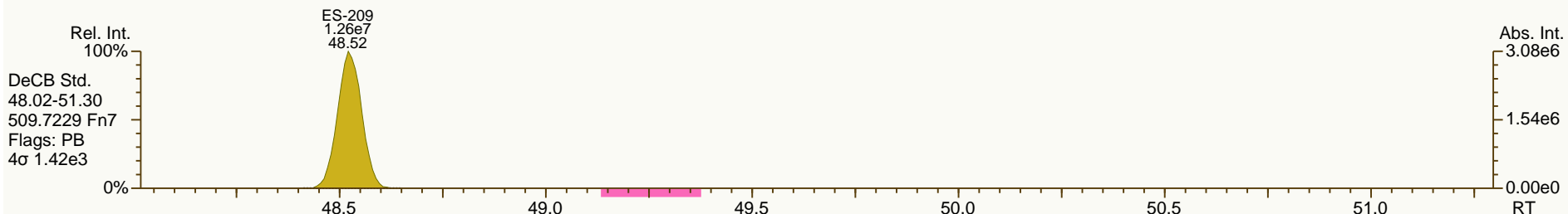
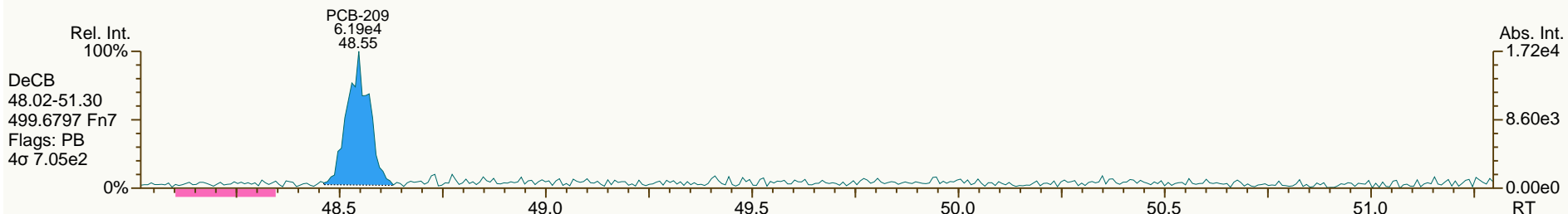
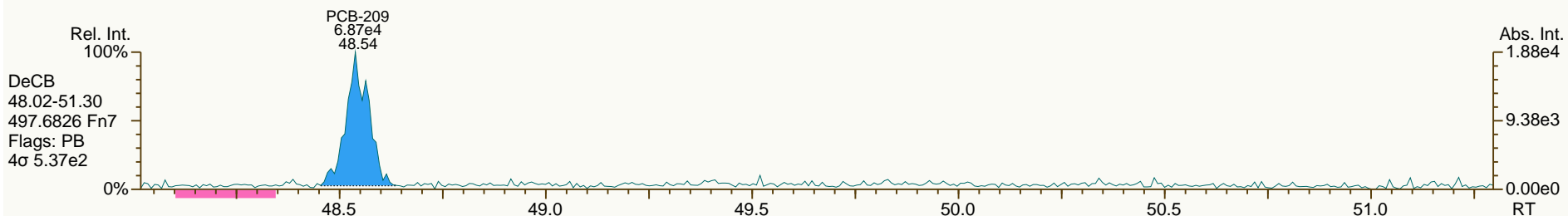
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 User: CTW Datafile: 120126S03



AP Lab ID: CS0_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 20

Acq: 26-Jan-2012 16:11:34
 User: CTW Datafile: 120126S03



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:04							
Datafile:	120126S04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	3.96E+05	0.77 Y	1.22	1.21	-1.6%		
PCB-81 344'5'-TeCB	30.05	3.72E+05	0.72 Y	1.24	1.23	-1.1%		
PCB-105 233'44'-PeCB	33.50	2.55E+05	0.65 Y	1.03	1.01	-1.3%		
PCB-114 2344'5'-PeCB	32.97	2.60E+05	0.69 Y	1.10	1.01	-7.6%		
PCB-118 23'44'5'-PeCB	32.52	2.60E+05	0.65 Y	1.03	0.99	-4.4%		
PCB-123 2'344'5'-PeCB	32.24	2.33E+05	0.64 Y	0.93	0.85	-8.6%		
PCB-126 33'44'5'-PeCB	36.12	3.03E+05	0.64 Y	1.11	1.04	-6.2%		
PCB-156/157 233'44'5'/233'44'5'	38.68	5.10E+05	1.22 Y	1.05	1.02	-2.1%		
PCB-167 23'44'55'-HxCB	37.71	2.53E+05	1.19 Y	1.08	1.01	-7.0%		
PCB-169 33'44'55'-HxCB	41.41	2.52E+05	1.24 Y	1.04	0.99	-5.2%		
PCB-189 233'44'55'-HpCB	43.55	2.84E+05	1.06 Y	1.11	1.00	-9.8%		
PCB-209 DeCB	48.54	1.89E+05	1.22 Y	1.05	1.00	-5.0%		
ES PCB-1	10.49	4.08E+07	3.12 Y	1.01	1.01	-0.5%		
ES PCB-3	12.54	4.21E+07	3.21 Y	1.05	1.04	-1.1%		
ES PCB-4	12.77	2.83E+07	1.56 Y	0.70	0.70	0.2%		
ES PCB-15	18.11	4.74E+07	1.60 Y	1.17	1.17	0.0%		
ES PCB-19	15.61	2.29E+07	1.04 Y	0.57	0.57	-0.1%		
ES PCB-37	24.24	3.61E+07	1.08 Y	1.41	1.44	2.2%		
ES PCB-54	18.36	3.27E+07	0.77 Y	1.32	1.31	-1.0%		
ES PCB-77	30.51	3.28E+07	0.81 Y	1.22	1.31	7.8%		
ES PCB-81	30.03	3.02E+07	0.80 Y	1.15	1.21	5.1%		
ES PCB-104	23.19	3.37E+07	1.51 Y	1.69	1.68	-0.6%		
ES PCB-105	33.48	2.51E+07	1.58 Y	1.21	1.25	3.6%		
ES PCB-114	32.94	2.57E+07	1.60 Y	1.23	1.28	3.6%		
ES PCB-118	32.49	2.63E+07	1.56 Y	1.25	1.31	4.8%		
ES PCB-123	32.21	2.75E+07	1.58 Y	1.33	1.37	3.2%		
ES PCB-126	36.10	2.90E+07	1.61 Y	1.36	1.44	6.4%		
ES PCB-153	34.09	2.37E+07	1.26 Y	1.09	1.08	-0.9%		
ES PCB-155	28.10	3.02E+07	1.24 Y	1.40	1.37	-2.6%		
ES PCB-156/157	38.65	4.99E+07	1.26 Y	1.13	1.13	-0.3%		
ES PCB-167	37.69	2.52E+07	1.24 Y	1.13	1.14	0.9%		
ES PCB-169	41.39	2.54E+07	1.23 Y	1.14	1.15	0.8%		
ES PCB-170	40.89	1.95E+07	1.06 Y	1.23	1.25	1.3%		
ES PCB-180	39.84	2.30E+07	1.09 Y	1.46	1.47	0.4%		
ES PCB-188	32.95	2.91E+07	1.06 Y	1.34	1.32	-1.6%		
ES PCB-189	43.53	2.83E+07	1.05 Y	1.77	1.81	2.4%		
ES PCB-202	37.49	2.80E+07	0.92 Y	1.27	1.27	-0.2%		
ES PCB-205	45.70	2.00E+07	0.88 Y	1.25	1.27	2.0%		
ES PCB-206	47.17	1.67E+07	0.80 Y	1.07	1.06	-0.3%		
ES PCB-208	43.13	2.11E+07	0.78 Y	1.34	1.35	0.7%		
ES PCB-209	48.53	1.89E+07	1.19 Y	1.18	1.21	2.0%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	3.42E+07	1.08 Y	0.98	0.95	-3.3%	
SS PCB-111	30.57	2.43E+07	1.55 Y	0.90	0.88	-1.5%	
SS PCB-178	35.53	1.93E+07	1.08 Y	0.65	0.66	2.4%	
CS PCB-28	20.78	3.42E+07	1.08 Y	1.39	1.37	-1.1%	
CS PCB-111	30.57	2.43E+07	1.55 Y	1.19	1.21	1.7%	
CS PCB-178	35.53	1.93E+07	1.08 Y	0.87	0.88	0.9%	
JS PCB-9	14.60	4.04E+07	1.61 Y	-	-	-	
JS PCB-52	22.37	2.50E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.01E+07	1.57 Y	-	-	-	
JS PCB-138	35.13	2.21E+07	1.32 Y	-	-	-	
JS PCB-194	45.30	1.57E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6'-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-153 22'44'55' -HxCB	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-180 22'344'55'-HpCB	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	4.84E+05	3.24 Y	1.20	1.19	-1.0%	
PCB-2 3-MoCB	12.39	4.59E+05	3.08 Y	1.13	1.09	-3.7%	
PCB-3 4-MoCB	12.56	4.64E+05	3.04 Y	1.13	1.10	-2.6%	
PCB-4 22'-DiCB	12.78	2.44E+05	0.00 S	0.94	0.86	-8.6%	
PCB-10 26-DiCB	12.95	3.73E+05	0.00 S	1.43	1.32	-7.9%	
PCB-9 25-DiCB	14.62	3.84E+05	0.00 S	0.87	0.81	-6.6%	
PCB-7 24-DiCB	14.77	4.66E+05	0.00 S	1.00	0.98	-2.1%	
PCB-6 23'-DiCB	14.98	4.16E+05	0.00 S	0.94	0.88	-6.4%	
PCB-5 23-DiCB	15.25	4.21E+05	0.00 S	0.92	0.89	-3.6%	
PCB-8 24'-DiCB	15.37	4.27E+05	0.00 S	0.95	0.90	-5.2%	
PCB-14 35-DiCB	16.84	4.94E+05	0.00 S	1.09	1.04	-4.8%	
PCB-11 33'-DiCB	17.58	4.36E+05	0.00 S	0.98	0.92	-5.7%	
PCB-13/12 34'-/34-DiCB	17.85	8.58E+05	0.00 S	0.97	0.91	-6.7%	
PCB-15 44'-DiCB	18.12	4.44E+05	0.00 S	1.01	0.94	-6.8%	
PCB-19 22'6-TrCB	15.63	2.33E+05	1.18 Y	1.01	1.02	0.5%	
PCB-30/18 246-/22'5-TrCB	17.30	5.51E+05	1.05 Y	1.29	1.20	-7.0%	
PCB-17 22'4-TrCB	17.68	2.45E+05	1.02 Y	1.14	1.07	-5.9%	
PCB-27 23'6-TrCB	17.86	3.21E+05	1.15 Y	1.48	1.40	-5.5%	
PCB-24 236-TrCB	17.99	3.28E+05	1.08 Y	1.43	1.43	-0.1%	
PCB-16 22'3-TrCB	18.07	1.95E+05	1.07 Y	0.89	0.85	-4.9%	
PCB-32 24'6-TrCB	18.54	3.42E+05	0.99 Y	1.56	1.49	-4.2%	
PCB-34 2'35-TrCB	19.66	4.03E+05	1.08 Y	1.18	1.12	-5.2%	
PCB-23 235-TrCB	19.80	4.03E+05	1.09 Y	1.19	1.12	-5.6%	
PCB-26/29 23'5-/245-TrCB	20.08	8.20E+05	1.12 Y	1.20	1.14	-5.2%	
PCB-25 23'4-TrCB	20.27	4.13E+05	1.05 Y	1.19	1.14	-4.0%	
PCB-31 24'5-TrCB	20.54	4.01E+05	1.02 Y	1.23	1.11	-9.3%	
PCB-28/20 244'-/233'-TrCB	20.81	7.68E+05	1.12 Y	1.18	1.06	-9.7%	
PCB-21/33 234-/2'34-TrCB	20.97	7.97E+05	1.06 Y	1.21	1.11	-9.0%	
PCB-22 234'-TrCB	21.34	3.80E+05	1.08 Y	1.11	1.05	-5.4%	
PCB-36 33'5-TrCB	22.71	4.19E+05	1.11 Y	1.21	1.16	-4.1%	
PCB-39 34'5-TrCB	23.02	4.87E+05	1.06 Y	1.32	1.35	2.6%	
PCB-38 345-TrCB	23.52	4.06E+05	1.11 Y	1.15	1.13	-2.4%	
PCB-35 33'4-TrCB	23.91	3.96E+05	1.04 Y	1.13	1.10	-3.2%	
PCB-37 344'-TrCB	24.26	4.17E+05	1.16 Y	1.20	1.16	-3.4%	
PCB-54 22'66'-TeCB	18.38	2.93E+05	0.76 Y	0.93	0.90	-3.9%	
PCB-50/53 22'46-/22'56'TeCB	20.31	4.49E+05	0.80 Y	0.83	0.74	-10.8%	
PCB-45 22'36'-TeCB	20.86	1.88E+05	0.86 Y	0.71	0.62	-11.9%	
PCB-51 22'46'-TeCB	20.94	2.36E+05	0.81 Y	0.88	0.78	-11.0%	
PCB-46 22'36'-TeCB	21.13	1.93E+05	0.80 Y	0.69	0.64	-8.4%	
PCB-52 22'55'-TeCB	22.39	2.25E+05	0.76 Y	0.80	0.74	-7.4%	
PCB-73 23'5'6TeCB	22.52	2.86E+05	0.69 Y	1.03	0.95	-8.5%	
PCB-43 22'35'-TeCB	22.60	2.01E+05	0.78 Y	0.71	0.66	-6.0%	
PCB-69/49 23'46-/22'45'TeCB	22.80	5.31E+05	0.81 Y	0.96	0.88	-8.5%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	2.50E+05	0.84 Y	0.84	0.83	-1.1%	
PCB-44/47/65 22'35'-/22'44'-	23.27	7.40E+05	0.78 Y	0.86	0.82	-5.0%	
PCB-59/62/75 233'6'-/2346-/24	23.54	9.35E+05	0.73 Y	1.09	1.03	-5.6%	
PCB-42 22'34'-TeCB	23.70	2.20E+05	0.70 Y	0.77	0.73	-5.2%	
PCB-41 22'34'-TeCB	24.02	2.16E+05	0.78 Y	0.73	0.71	-1.5%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.12	4.69E+05	0.79 Y	0.81	0.78	-4.6%	
PCB-64 234'6'-TeCB	24.32	3.34E+05	0.79 Y	1.17	1.11	-5.2%	
PCB-72 23'55'-TeCB	25.05	3.52E+05	0.84 Y	1.25	1.16	-7.1%	
PCB-68 23'45'-TeCB	25.30	4.10E+05	0.76 Y	1.36	1.35	-0.6%	
PCB-57 233'5'-TeCB	25.66	3.53E+05	0.77 Y	1.22	1.17	-4.6%	
PCB-58 233'5'-TeCB	25.86	3.58E+05	0.86 Y	1.26	1.18	-5.8%	
PCB-67 23'45'-TeCB	26.01	3.80E+05	0.78 Y	1.27	1.26	-1.4%	
PCB-63 234'5'-TeCB	26.24	3.89E+05	0.80 Y	1.34	1.29	-3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.51	1.40E+06	0.82 Y	1.24	1.16	-6.7%	
PCB-66 23'44'-TeCB	26.80	3.53E+05	0.77 Y	1.19	1.17	-1.8%	
PCB-55 233'4'-TeCB	26.93	3.52E+05	0.78 Y	1.22	1.16	-4.4%	
PCB-56 233'4'-TeCB	27.36	3.42E+05	0.79 Y	1.18	1.13	-3.9%	
PCB-60 2344'-TeCB	27.55	3.47E+05	0.66 Y	1.24	1.15	-7.2%	
PCB-80 33'55'-TeCB	27.92	4.01E+05	0.77 Y	1.37	1.32	-3.5%	
PCB-79 33'45'-TeCB	29.21	3.81E+05	0.76 Y	1.37	1.26	-7.9%	
PCB-78 33'45'-TeCB	29.68	3.48E+05	0.70 Y	1.19	1.15	-3.6%	
PCB-104 22'466'-PeCB	23.21	2.94E+05	0.67 Y	0.92	0.87	-4.8%	
PCB-96 22'366'-PeCB	23.51	2.59E+05	0.56 Y	0.81	0.77	-5.2%	
PCB-103 22'45'6'-PeCB	25.21	1.97E+05	0.64 Y	0.78	0.71	-7.9%	
PCB-94 22'356'-PeCB	25.38	1.89E+05	0.63 Y	0.71	0.69	-3.6%	
PCB-95 22'35'6'-PeCB	25.76	1.93E+05	0.64 Y	0.74	0.70	-5.4%	
PCB-100/93 22'44'6'-/22'356-P	25.97	3.83E+05	0.61 Y	0.75	0.70	-6.8%	
PCB-102 22'456'-PeCB	26.09	2.25E+05	0.63 Y	0.75	0.82	9.1%	
PCB-98 22'3'46'-PeCB	26.15	1.46E+05	0.57 Y	0.71	0.53	-25.3%	
PCB-88 22'346'-PeCB	26.43	1.84E+05	0.62 Y	0.66	0.67	0.4%	
PCB-91 22'34'6'-PeCB	26.51	2.13E+05	0.61 Y	0.84	0.78	-7.6%	
PCB-84 22'33'6'-PeCB	26.68	1.56E+05	0.65 Y	0.65	0.57	-12.5%	
PCB-89 22'346'-PeCB	27.09	1.89E+05	0.60 Y	0.69	0.69	0.0%	
PCB-121 23'45'6'-PeCB	27.48	2.63E+05	0.62 Y	0.98	0.96	-2.7%	
PCB-92 22'355'-PeCB	27.79	1.97E+05	0.58 Y	0.72	0.71	-0.2%	
PCB-113/90/101 233'5'6'-/22'3	28.27	6.46E+05	0.64 Y	0.81	0.78	-3.3%	
PCB-83 22'33'5'-PeCB	28.68	1.71E+05	0.60 Y	0.62	0.62	-0.4%	
PCB-99 22'44'5'-PeCB	28.79	2.14E+05	0.67 Y	0.76	0.78	1.6%	
PCB-112 233'56'-PeCB	28.88	2.62E+05	0.64 Y	0.96	0.95	-1.3%	
PCB-108/119/86/97/125/87 233	29.22	1.28E+06	0.59 Y	0.83	0.77	-6.2%	
PCB-117 234'56'-PeCB	29.75	2.53E+05	0.61 Y	0.94	0.92	-2.2%	
PCB-116/85 23456-/22'344'-Pe	29.83	4.27E+05	0.58 Y	0.81	0.77	-4.2%	
PCB-110 233'4'6'-PeCB	29.96	2.41E+05	0.61 Y	0.92	0.87	-5.0%	

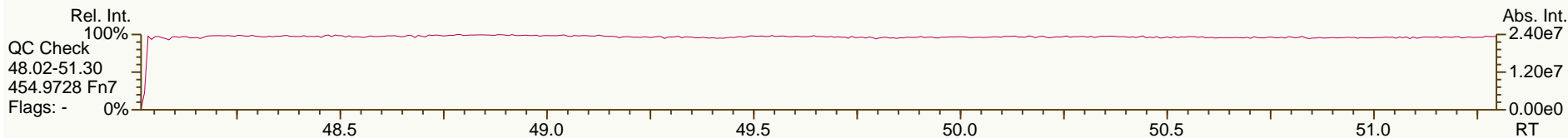
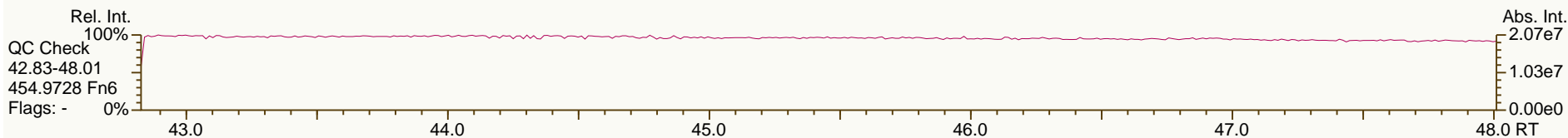
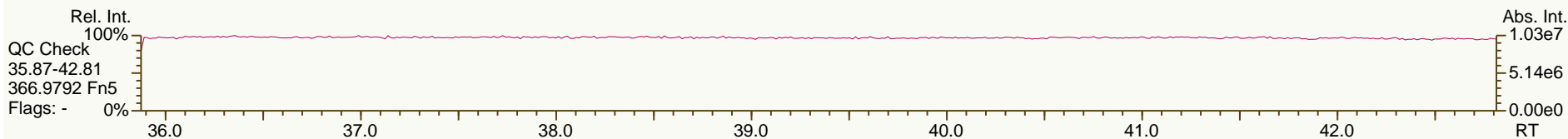
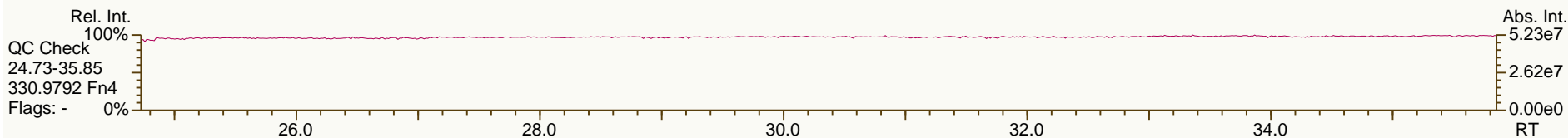
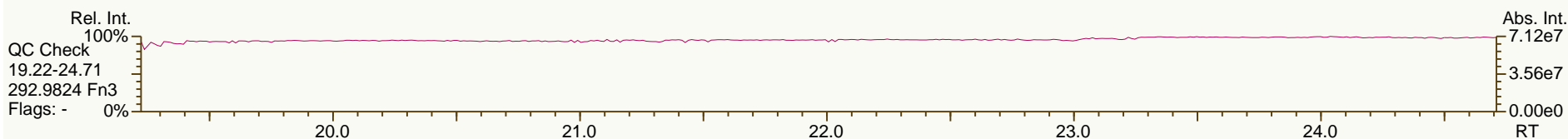
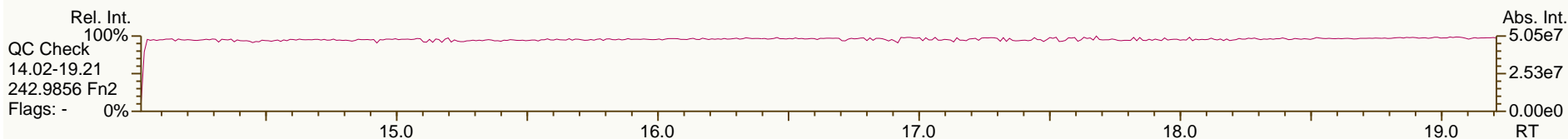
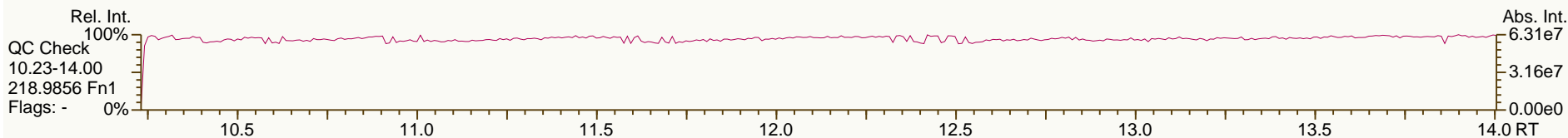
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS1_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	2.57E+05	0.66 Y	0.95	0.93	-1.4%	
PCB-82 22'33'4-PeCB	30.22	1.74E+05	0.65 Y	0.62	0.63	2.8%	
PCB-111 233'55'-PeCB	30.59	2.71E+05	0.58 Y	0.98	0.98	-0.1%	
PCB-120 23'455'-PeCB	30.98	2.75E+05	0.69 Y	0.99	1.00	0.5%	
PCB-107/124 233'4'5-/2'3455'	31.93	4.60E+05	0.62 Y	0.92	0.83	-9.2%	
PCB-109 233'46-PeCB	32.13	2.66E+05	0.61 Y	1.00	0.97	-2.9%	
PCB-106 233'45-PeCB	32.34	2.54E+05	0.63 Y	0.96	0.92	-4.1%	
PCB-122 2'33'45-PeCB	32.79	2.27E+05	0.67 Y	0.93	0.89	-4.4%	
PCB-127 33'455'-PeCB	34.77	2.48E+05	0.66 Y	1.04	0.99	-5.1%	
PCB-155 22'44'66'-HxCB	28.12	3.01E+05	1.22 Y	1.06	1.00	-5.6%	
PCB-152 22'3566'-HxCB	28.25	2.85E+05	1.34 Y	0.98	0.95	-3.7%	
PCB-150 22'34'66'-HxCB	28.40	2.84E+05	1.31 Y	0.99	0.94	-4.6%	
PCB-136 22'33'66'-HxCB	28.69	2.70E+05	1.23 Y	0.92	0.90	-2.6%	
PCB-145 22'3466'HxCB	28.96	2.77E+05	1.37 Y	0.94	0.92	-2.0%	
PCB-148 22'34'56'-HxCB	30.27	2.16E+05	1.32 Y	0.95	0.91	-4.1%	
PCB-151/135 22'355'6-/22'33'	30.77	4.16E+05	1.22 Y	0.92	0.88	-4.7%	
PCB-154 22'44'5'6-HxCB	30.99	2.32E+05	1.31 Y	1.01	0.98	-3.7%	
PCB-144 22'345'6-HxCB	31.24	2.19E+05	1.22 Y	0.93	0.92	-1.0%	
PCB-147/149 22'34'56-/22'34'	31.54	4.25E+05	1.34 Y	0.94	0.90	-4.2%	
PCB-134 22'33'56-HxCB	31.70	1.75E+05	1.25 Y	0.78	0.74	-6.2%	
PCB-143 22'3456'-HxCB	31.78	1.99E+05	1.10 Y	0.90	0.84	-6.3%	
PCB-139/140 22'344'6-/22'344'	32.05	4.26E+05	1.27 Y	0.95	0.90	-5.6%	
PCB-131 22'33'46-HxCB	32.21	1.92E+05	1.20 Y	0.84	0.81	-3.1%	
PCB-142 22'3456-HxCB	32.35	1.95E+05	1.33 Y	0.87	0.82	-5.7%	
PCB-132 22'33'46'-HxCB	32.59	2.02E+05	1.35 Y	0.88	0.85	-2.7%	
PCB-133 22'33'55'-HxCB	33.04	2.01E+05	1.20 Y	0.89	0.85	-4.9%	
PCB-165 233'55'6-HxCB	33.38	2.47E+05	1.36 Y	1.06	1.04	-2.1%	
PCB-146 22'34'55'-HxCB	33.59	2.12E+05	1.13 Y	0.94	0.89	-5.2%	
PCB-161 233'45'6-HxCB	33.71	2.73E+05	1.37 Y	1.20	1.15	-3.9%	
PCB-153/168 22'44'55'-/23'44'	34.13	5.36E+05	1.28 Y	1.15	1.13	-1.6%	
PCB-141 22'3455'-HxCB	34.26	2.21E+05	1.17 Y	0.91	0.93	2.0%	
PCB-130 22'33'45'-HxCB	34.61	1.87E+05	1.30 Y	0.82	0.79	-4.0%	
PCB-137 22'344'5-HxCB	34.81	2.37E+05	1.33 Y	1.00	1.00	-0.4%	
PCB-164 233'4'5'6-HxCB	34.89	2.56E+05	1.36 Y	1.14	1.08	-5.2%	
PCB-163/138/129 233'4'56-/22'	35.17	6.86E+05	1.26 Y	0.98	0.96	-2.2%	
PCB-160 233'456-HxCB	35.30	2.61E+05	1.27 Y	1.14	1.10	-3.9%	
PCB-158 233'44'6-HxCB	35.49	2.86E+05	1.30 Y	1.24	1.21	-3.1%	
PCB-128/166 22'33'44'-/2344'5	36.21	4.08E+05	1.28 Y	0.86	0.81	-6.2%	
PCB-159 233'455'-HxCB	37.07	2.48E+05	1.44 Y	1.03	0.98	-4.1%	
PCB-162 233'4'55'-HxCB	37.31	2.47E+05	1.12 Y	1.04	0.98	-5.8%	
PCB-188 22'34'566'-HpCB	32.97	2.94E+05	0.98 Y	1.07	1.01	-5.2%	
PCB-179 22'33'566'-HpCB	33.24	2.77E+05	1.07 Y	0.98	0.95	-2.8%	
PCB-184 22'344'66'-HpCB	33.71	2.75E+05	1.17 Y	0.97	0.94	-3.0%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS1_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:04						
Datafile:	120126S04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	3.04E+05	0.95 Y	1.06	1.04	-2.1%	
PCB-186 22'34566'-HpCB	34.38	2.87E+05	1.12 Y	1.02	0.98	-3.3%	
PCB-178 22'33'55'6'-HpCB	35.55	2.26E+05	1.02 Y	0.77	0.77	0.4%	
PCB-175 22'33'45'6'-HpCB	36.09	1.97E+05	0.97 Y	0.89	0.86	-4.2%	
PCB-187 22'34'55'6'-HpCB	36.32	2.03E+05	0.90 Y	0.94	0.88	-5.7%	
PCB-182 22'344'56'6'-HpCB	36.49	2.11E+05	1.00 Y	0.95	0.91	-3.7%	
PCB-183 22'344'5'6'-HpCB	36.84	2.40E+05	1.19 Y	0.96	1.04	8.6%	
PCB-185 22'3455'6'-HpCB	36.91	1.74E+05	0.90 Y	0.93	0.75	-18.9%	
PCB-174 22'33'456'6'-HpCB	37.02	1.82E+05	1.05 Y	0.80	0.79	-1.6%	
PCB-177 22'33'4'56'-HpCB	37.39	1.84E+05	1.12 Y	0.82	0.80	-2.3%	
PCB-181 22'344'56'-HpCB	37.74	1.95E+05	1.03 Y	0.91	0.85	-7.2%	
PCB-171/173 22'33'44'6'-/22'3	37.91	3.64E+05	1.15 Y	0.81	0.79	-3.0%	
PCB-172 22'33'455'6'-HpCB	39.30	1.77E+05	1.08 Y	0.83	0.77	-7.2%	
PCB-192 233'455'6'-HpCB	39.55	2.43E+05	1.06 Y	1.09	1.06	-3.4%	
PCB-180/193 22'344'55'6'-/233'	39.83	4.39E+05	0.94 Y	1.01	0.95	-6.0%	
PCB-191 233'44'5'6'-HpCB	40.15	2.48E+05	1.07 Y	1.13	1.08	-4.9%	
PCB-170 22'33'44'5'-HpCB	40.91	1.90E+05	1.02 Y	1.00	0.97	-2.9%	
PCB-190 233'44'56'-HpCB	41.36	2.50E+05	1.17 Y	1.35	1.28	-5.3%	
PCB-202 22'33'55'66'-OcCB	37.51	2.11E+05	0.90 Y	0.83	0.75	-8.7%	
PCB-201 22'33'45'66'-OcCB	38.30	2.41E+05	0.80 Y	0.93	0.86	-7.1%	
PCB-204 22'344'566'-OcCB	38.87	2.38E+05	0.83 Y	0.89	0.85	-4.7%	
PCB-197 22'33'44'66'-OcCB	39.06	2.62E+05	0.87 Y	0.91	0.94	2.6%	
PCB-200 22'33'4566'-OcCB	39.13	2.55E+05	0.97 Y	0.93	0.91	-1.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	3.65E+05	0.85 Y	0.68	0.65	-4.7%	
PCB-196 22'33'44'56'-OcCB	42.07	2.08E+05	0.94 Y	0.72	0.74	3.7%	
PCB-203 22'344'55'6'-OcCB	42.23	1.97E+05	0.96 Y	0.74	0.70	-4.4%	
PCB-195 22'33'44'56'-OcCB	43.34	1.58E+05	0.99 Y	0.81	0.79	-2.6%	
PCB-194 22'33'44'55'-OcCB	45.32	1.61E+05	0.85 Y	0.86	0.81	-6.1%	
PCB-205 233'44'55'6'-OcCB	45.72	2.15E+05	0.98 Y	1.09	1.08	-1.4%	
PCB-208 22'33'455'66'-NoCB	43.15	2.02E+05	0.82 Y	0.98	0.96	-2.1%	
PCB-207 22'33'44'566'-NoCB	43.94	2.10E+05	0.81 Y	1.02	1.00	-2.0%	
PCB-206 22'33'44'55'6'-NoCB	47.19	1.50E+05	0.81 Y	0.93	0.90	-3.4%	

AP Lab ID: CS1_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

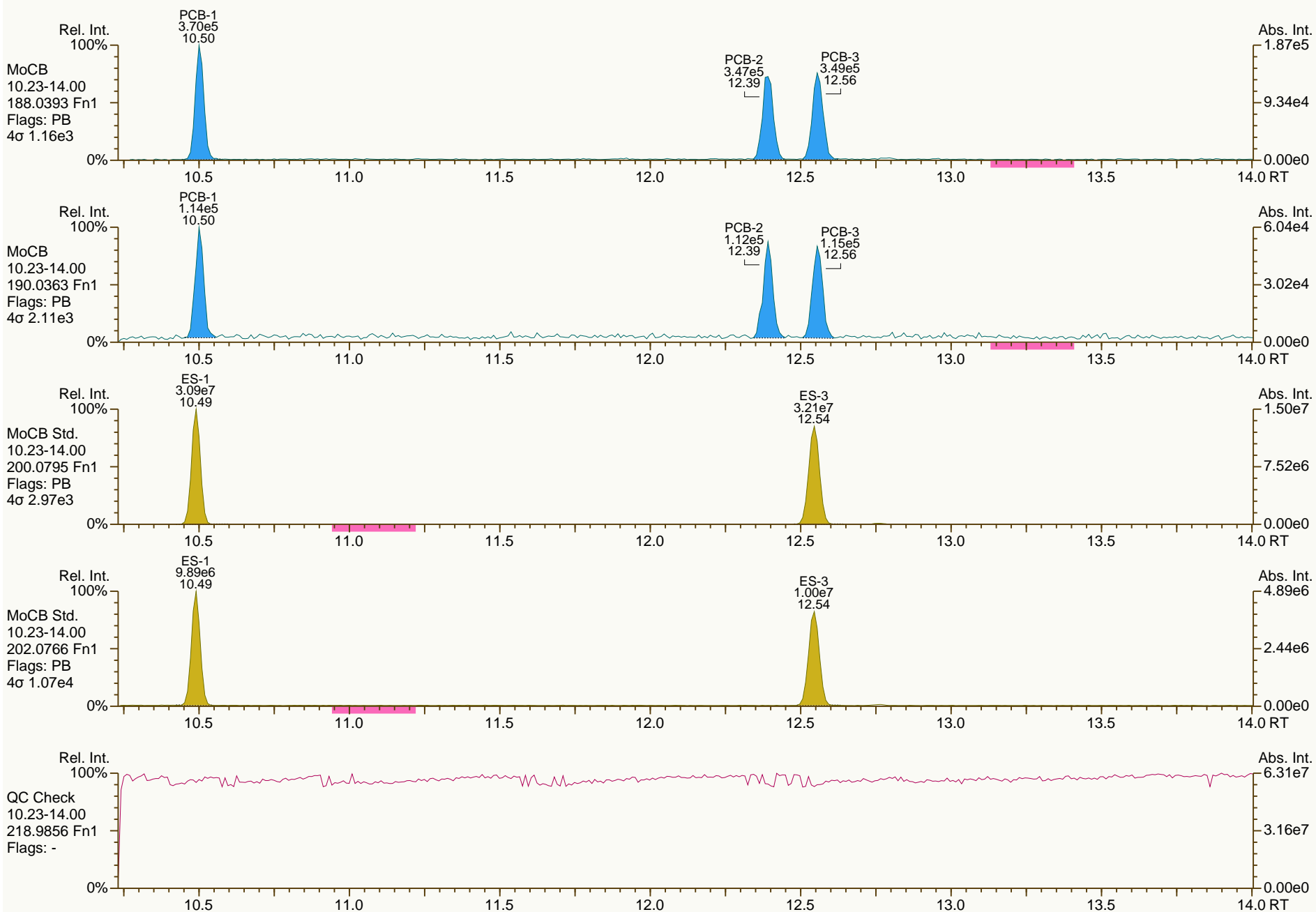
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

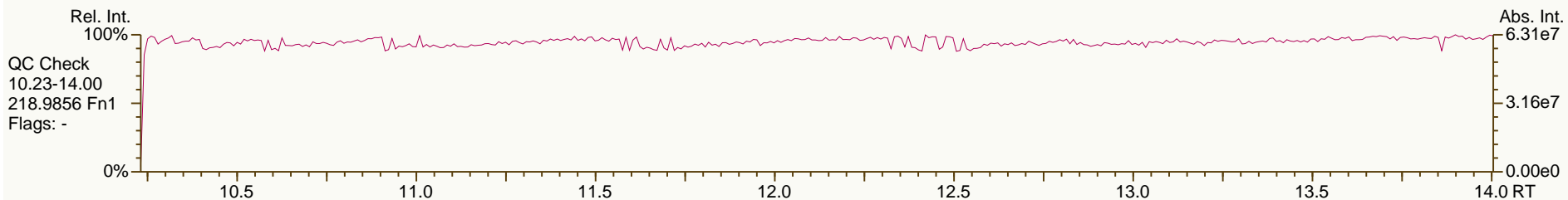
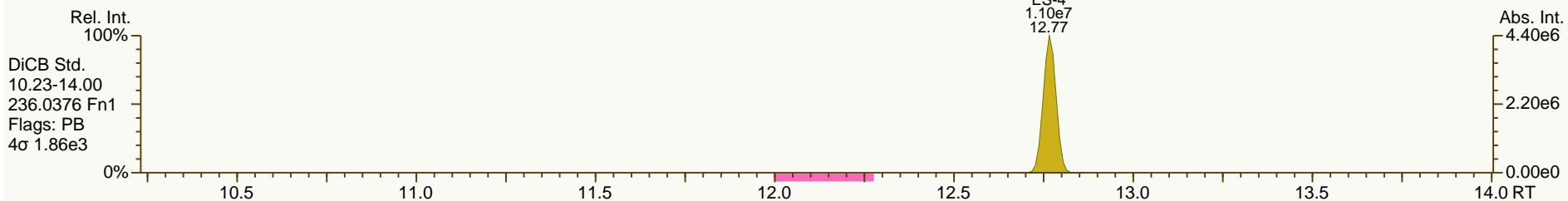
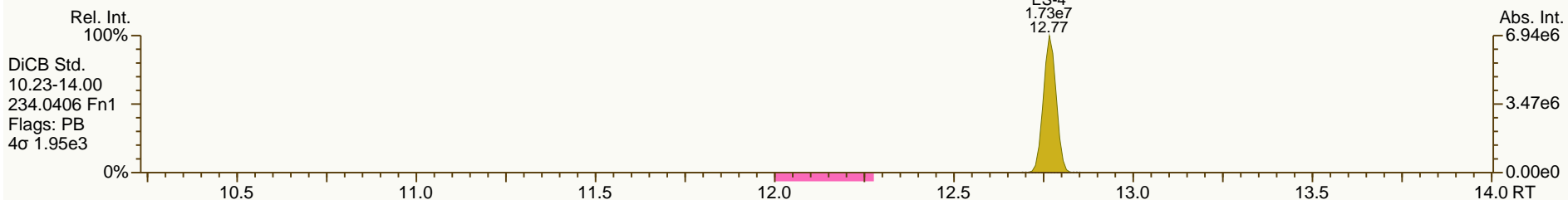
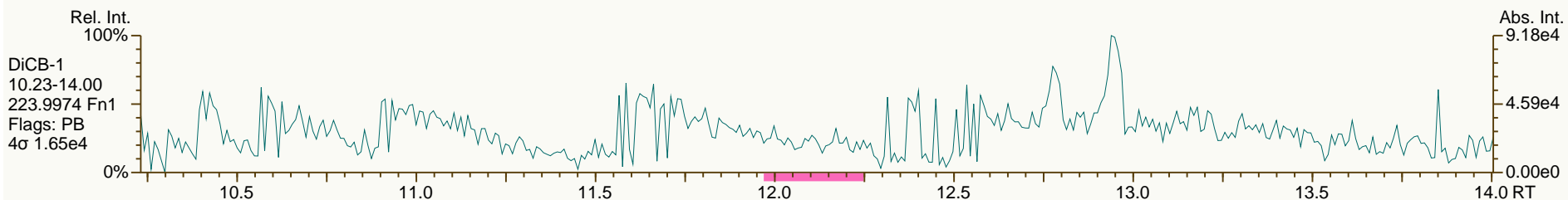
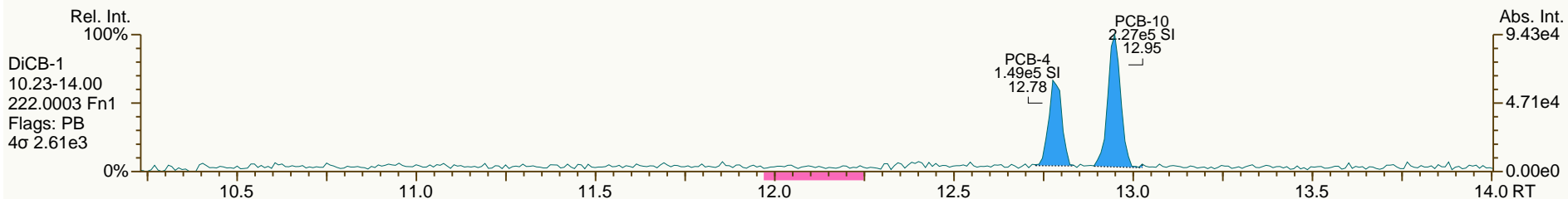
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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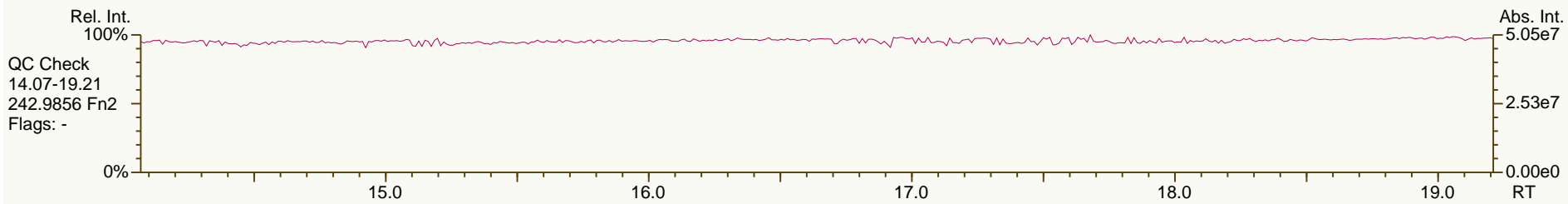
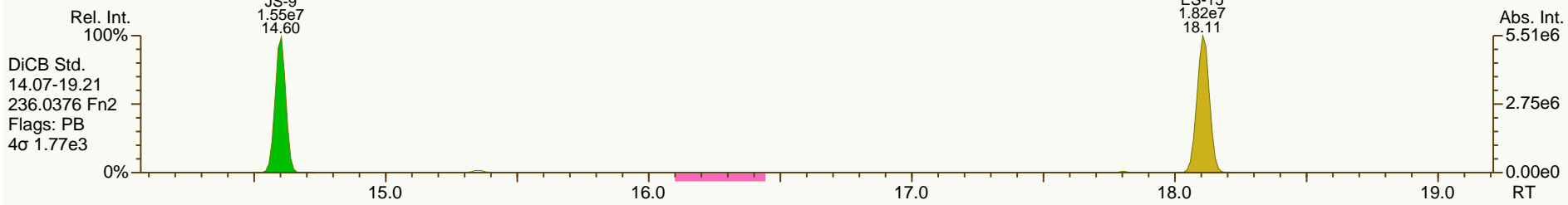
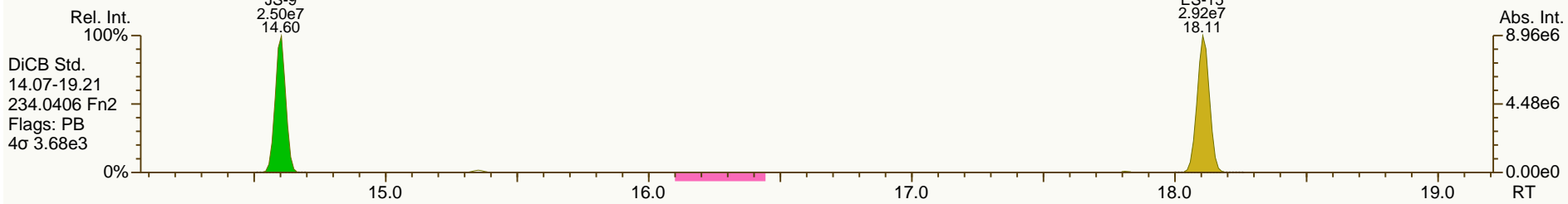
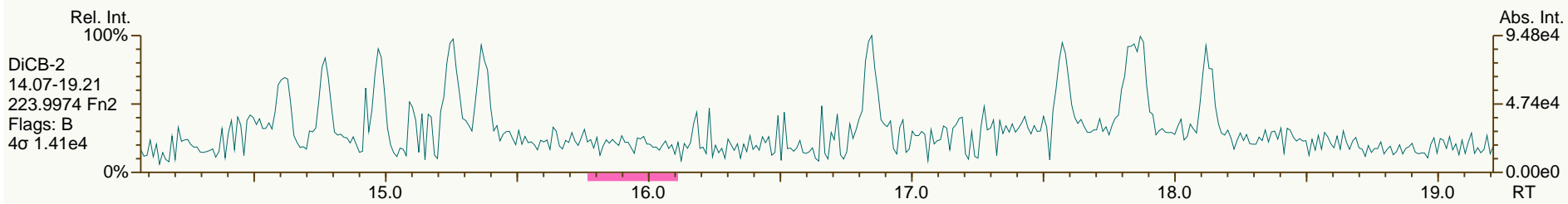
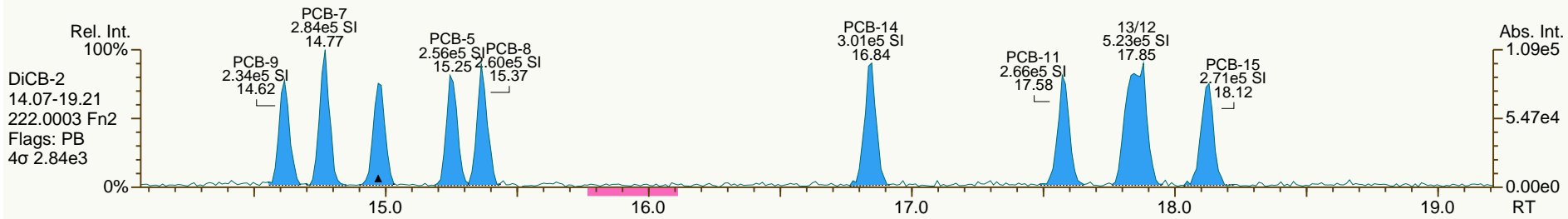
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AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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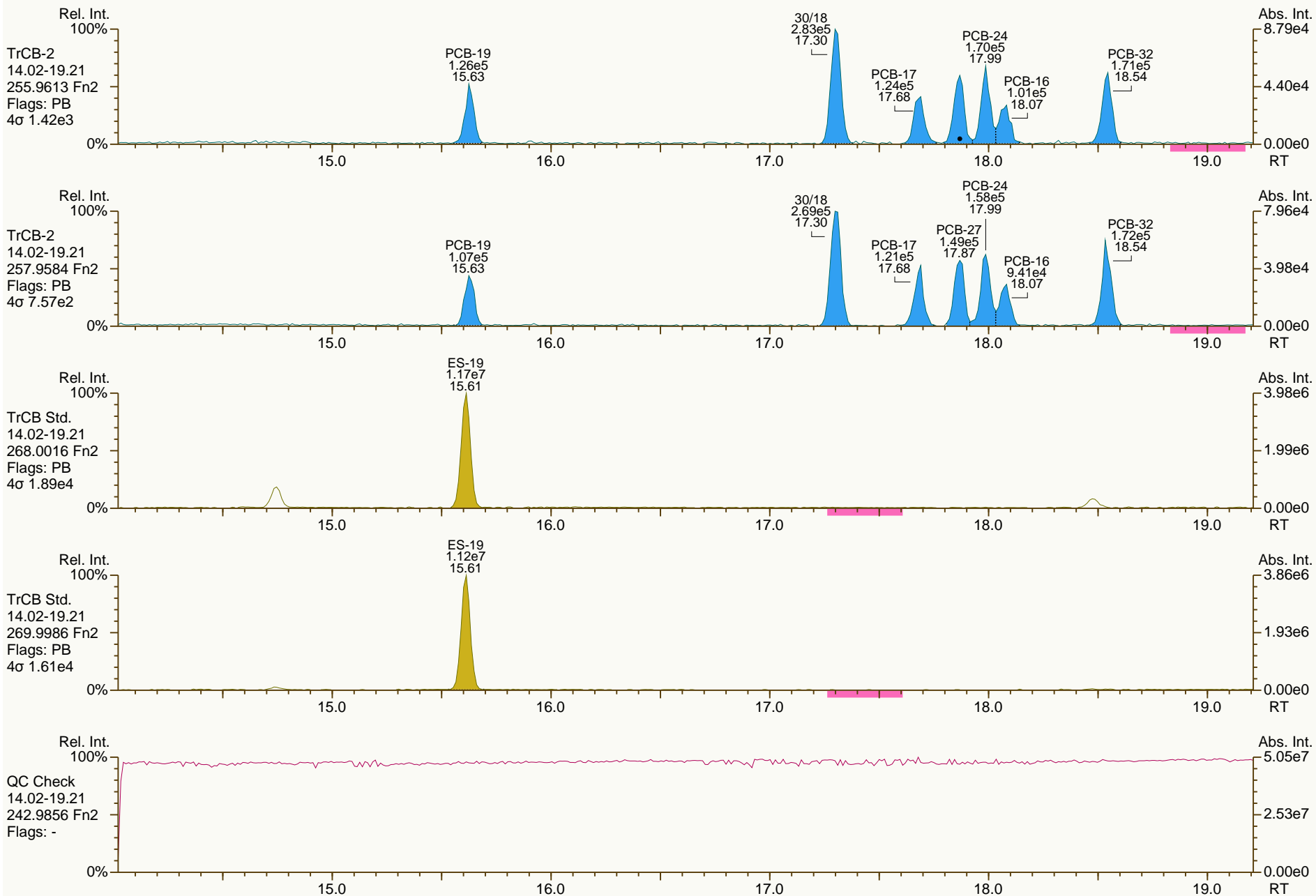
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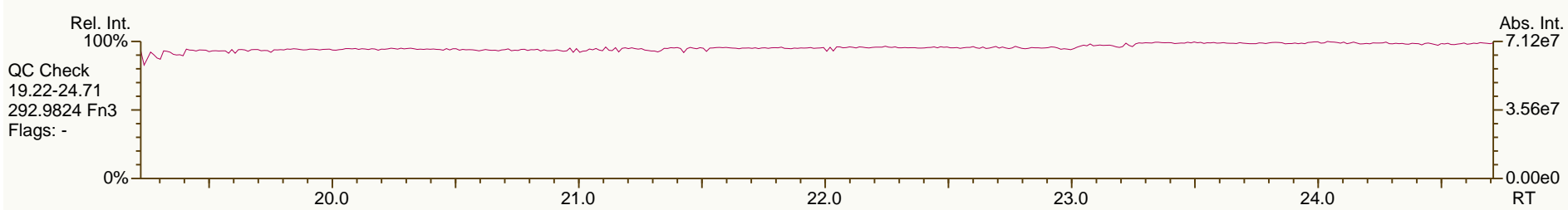
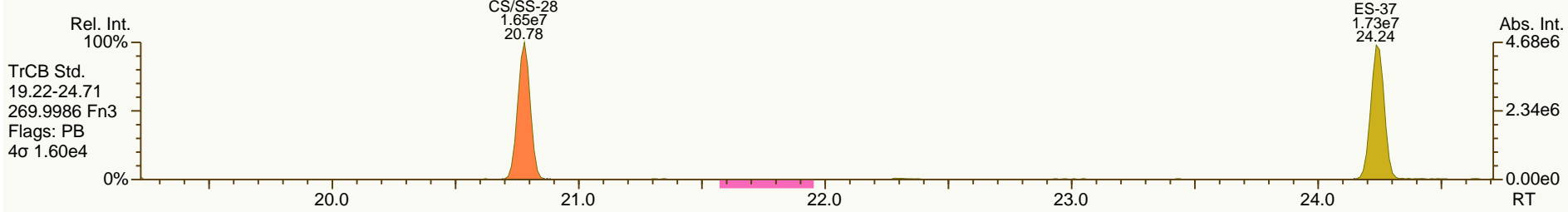
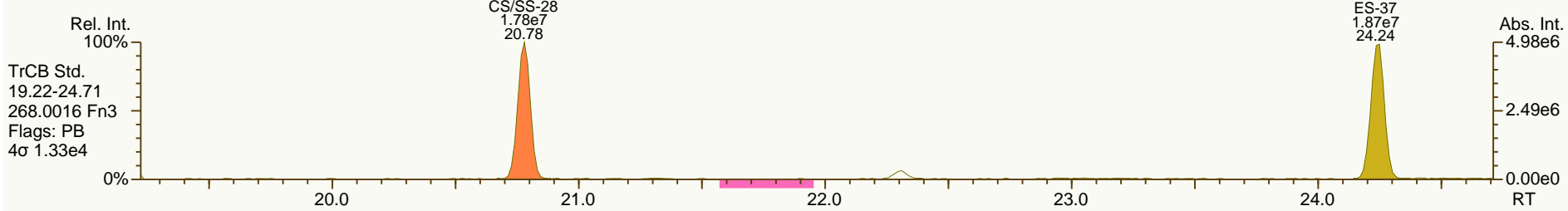
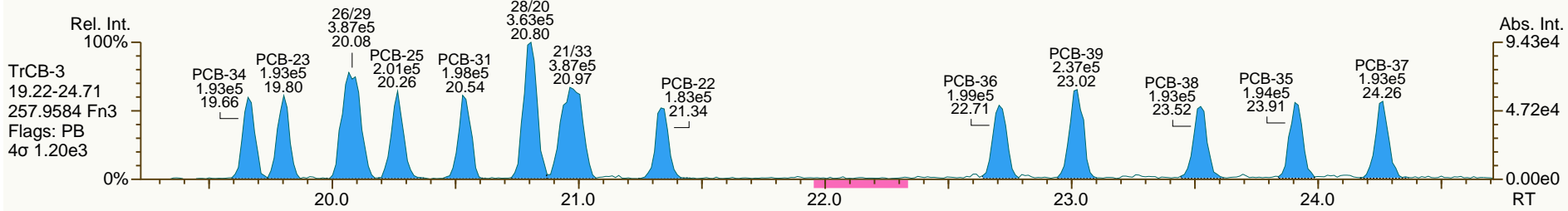
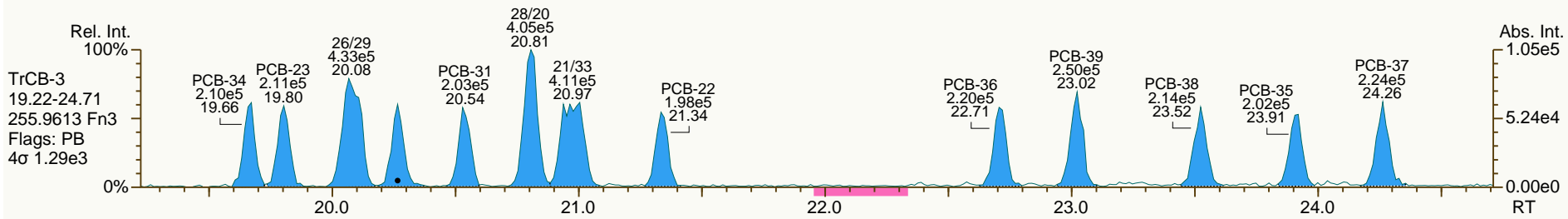
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 Instr: AutoSpec-Ultima MM4

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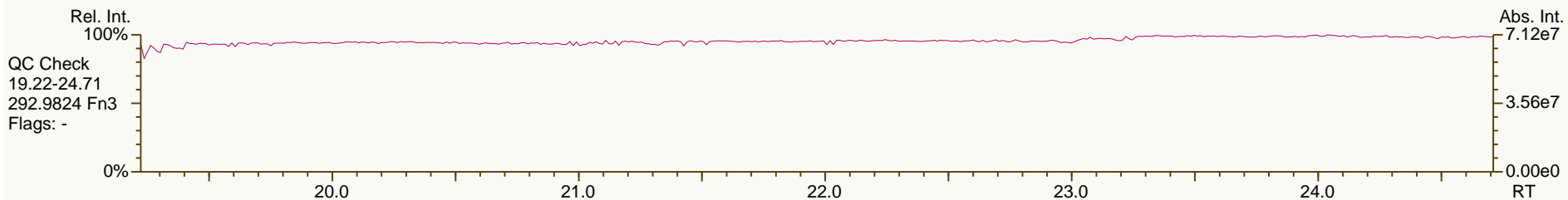
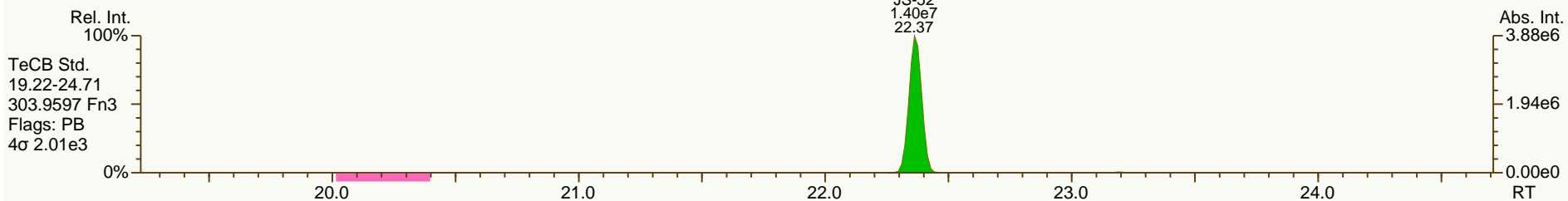
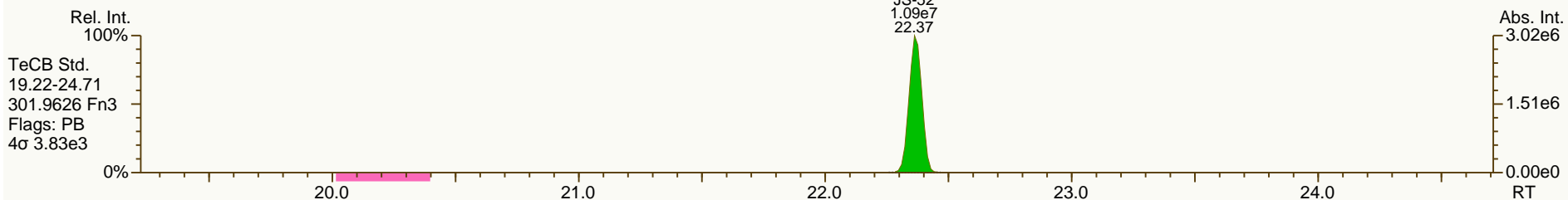
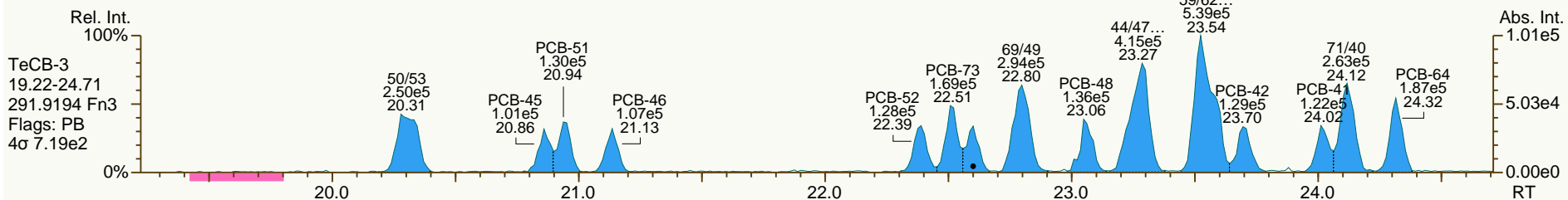
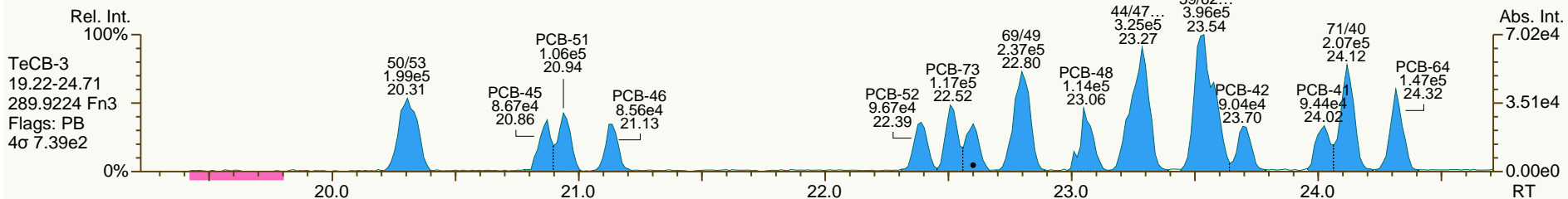
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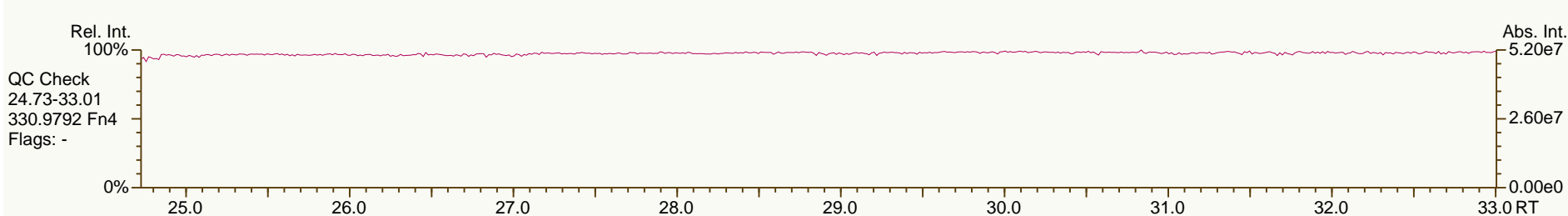
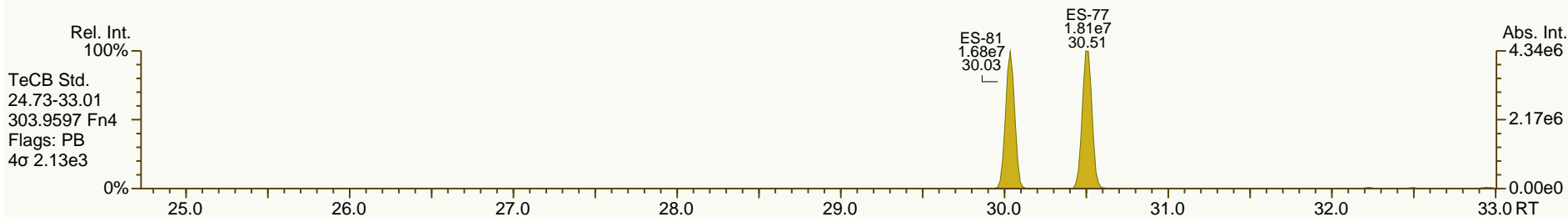
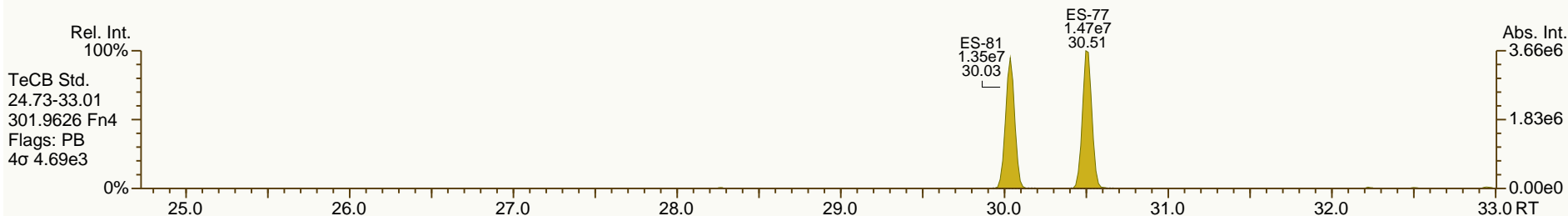
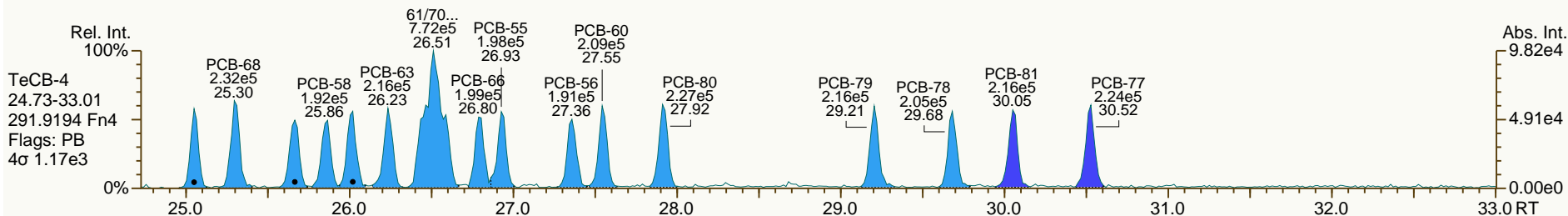
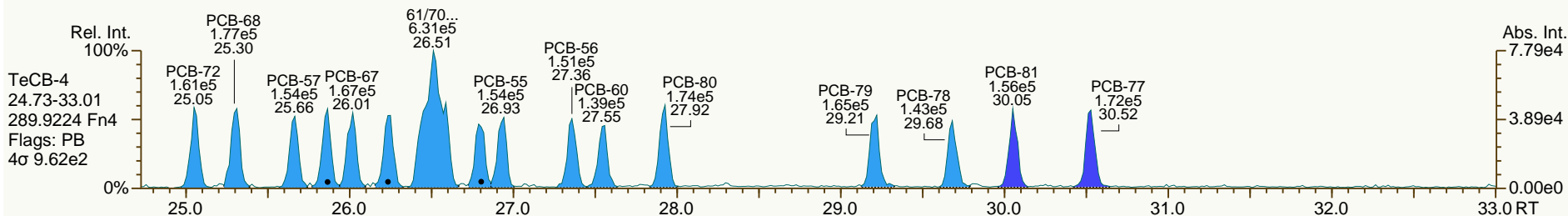
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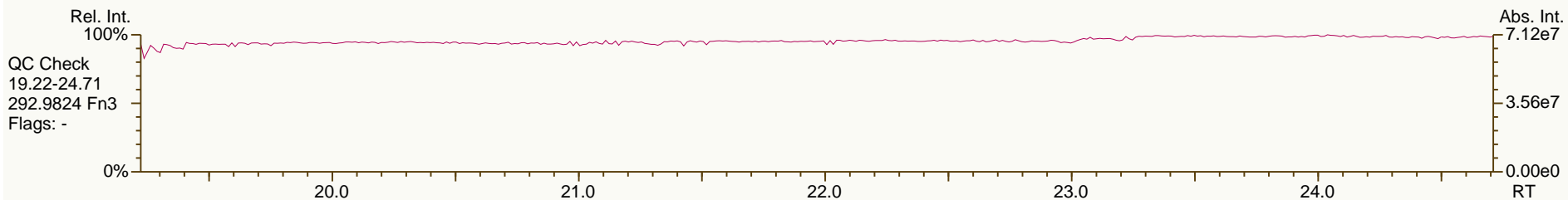
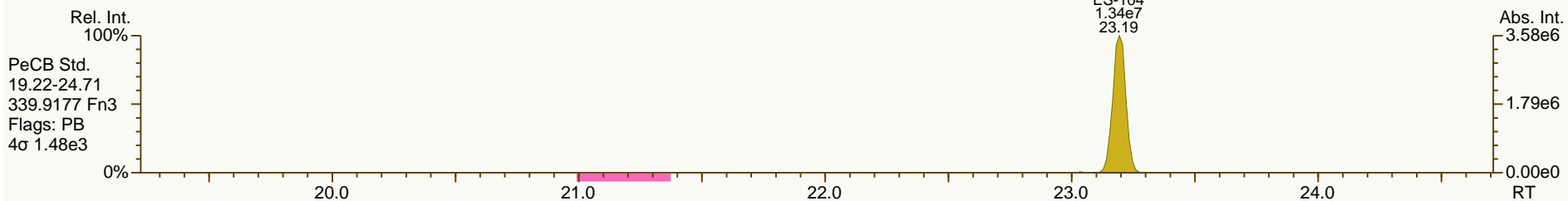
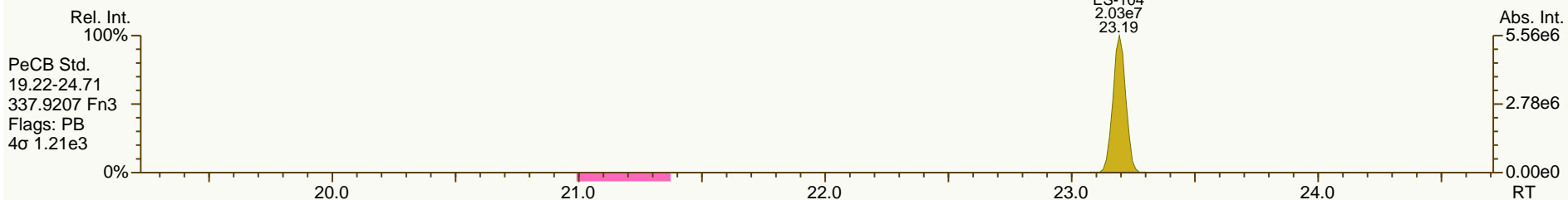
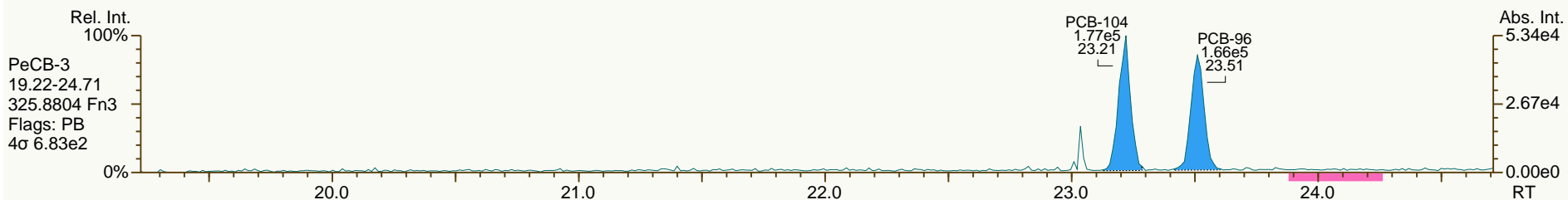
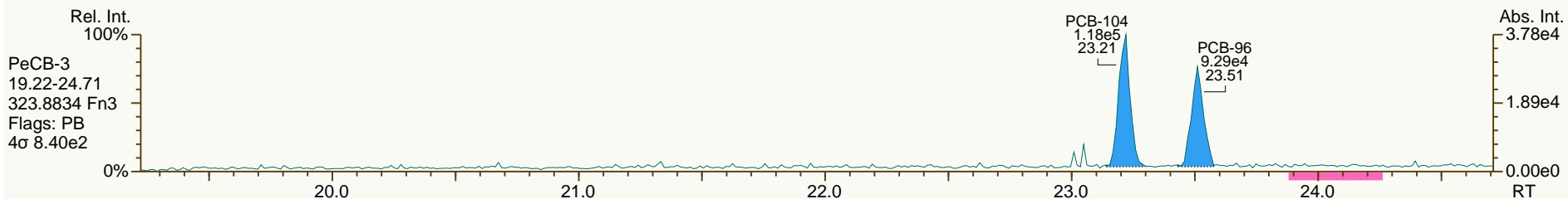
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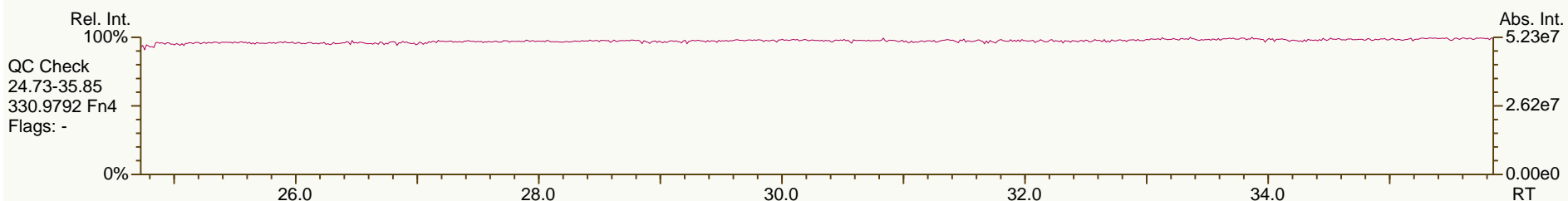
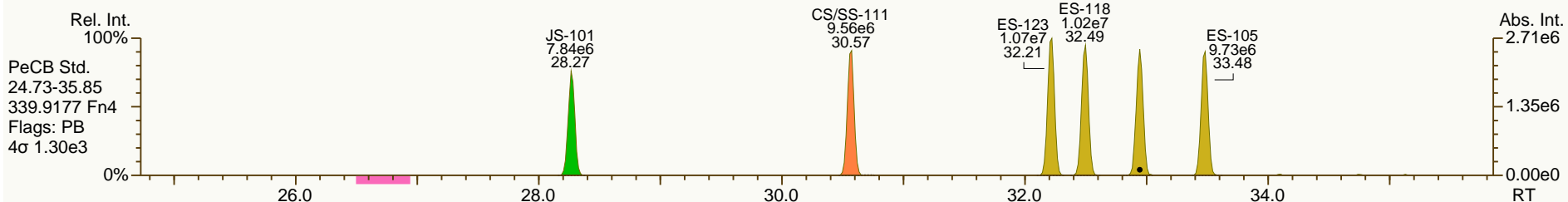
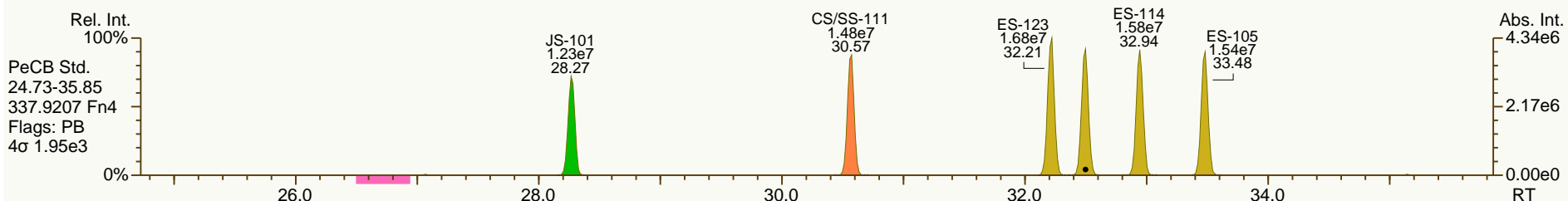
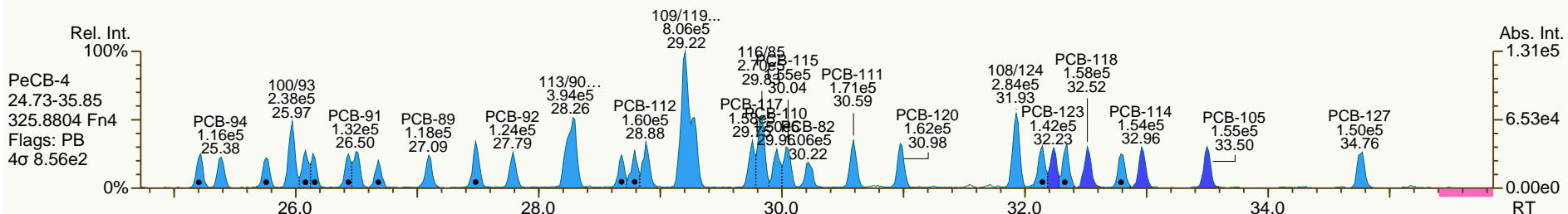
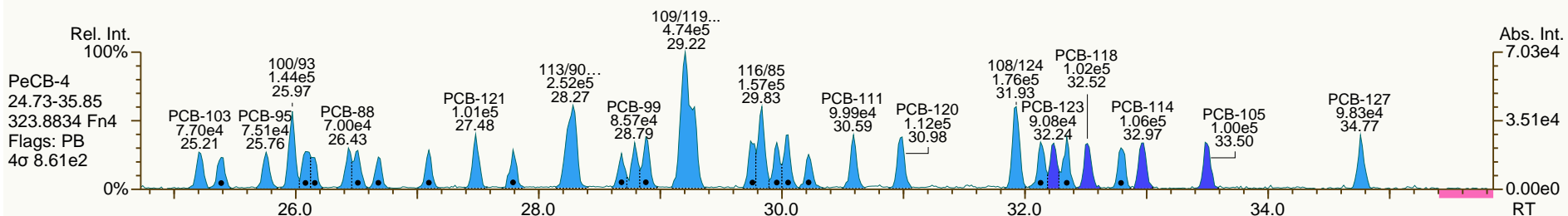
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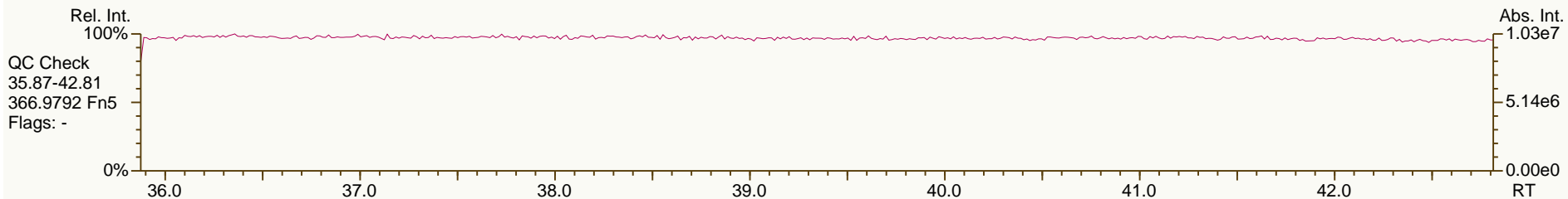
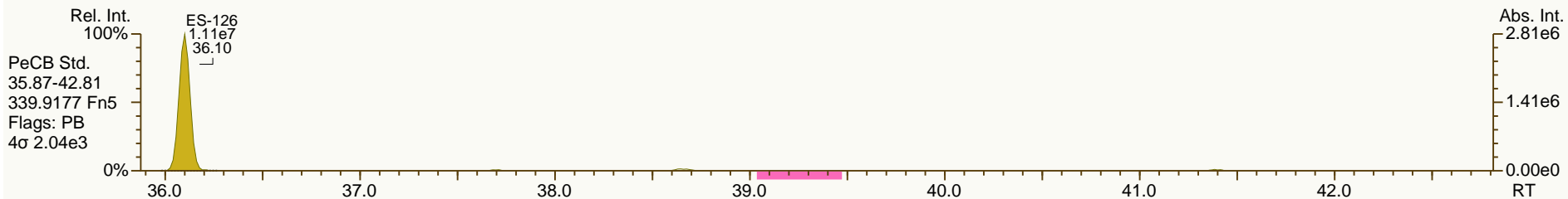
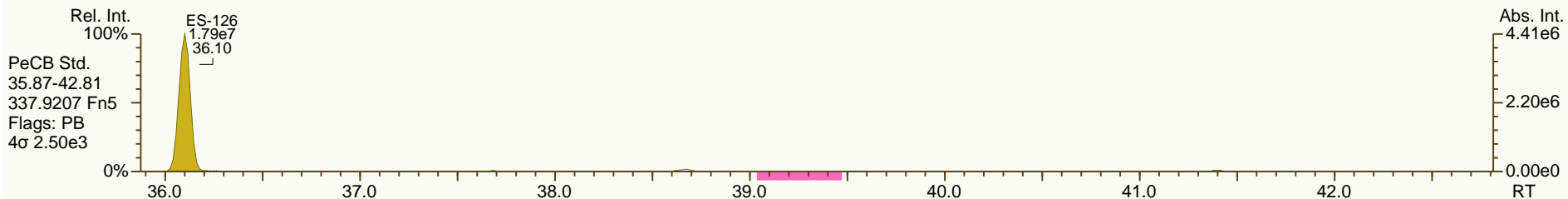
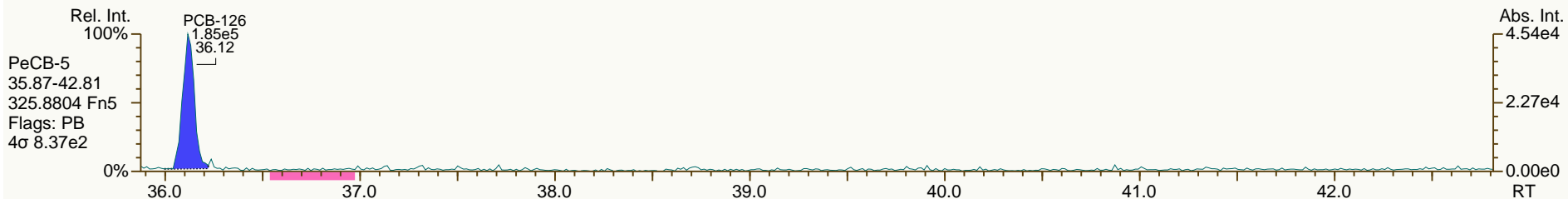
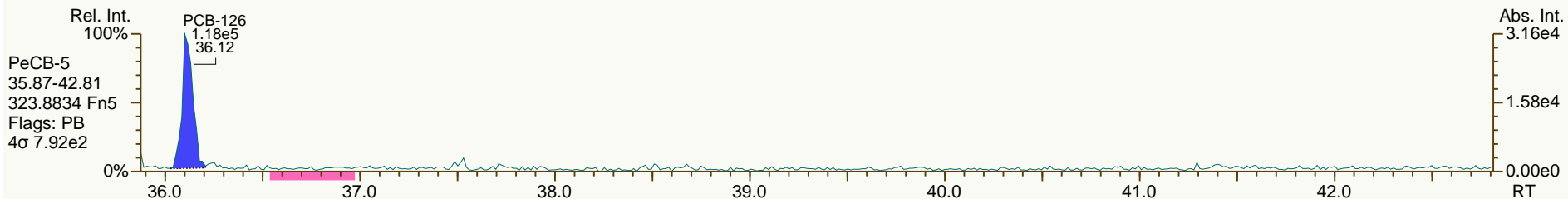
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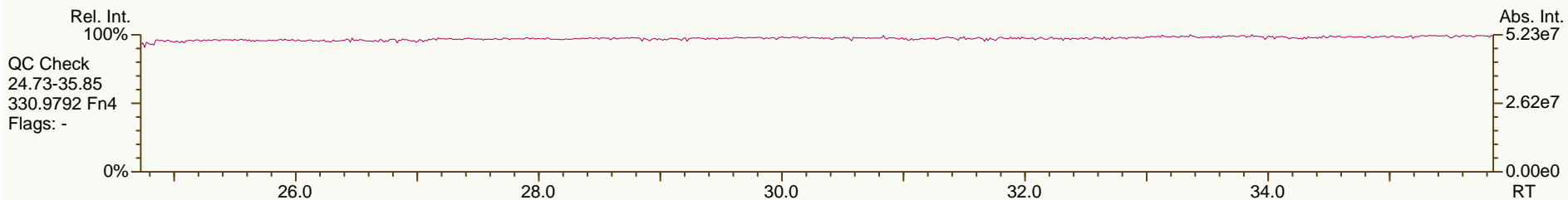
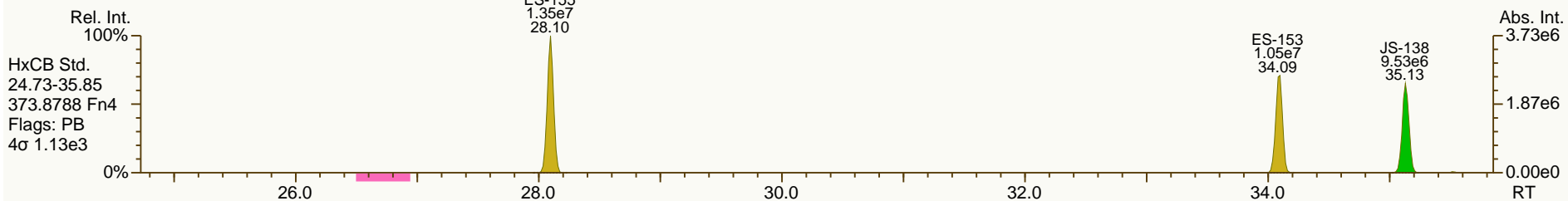
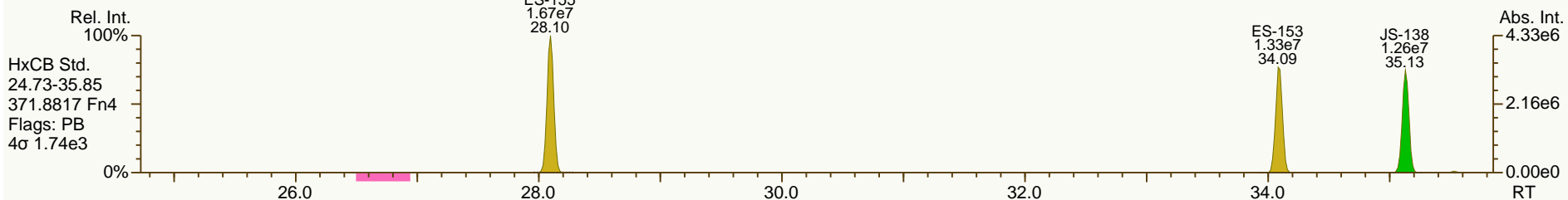
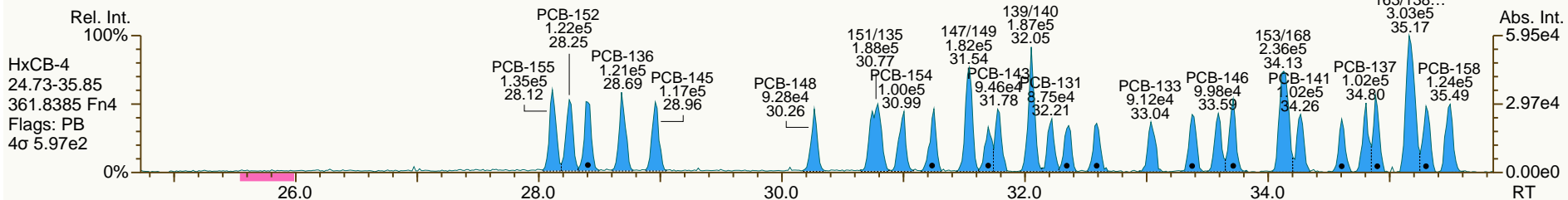
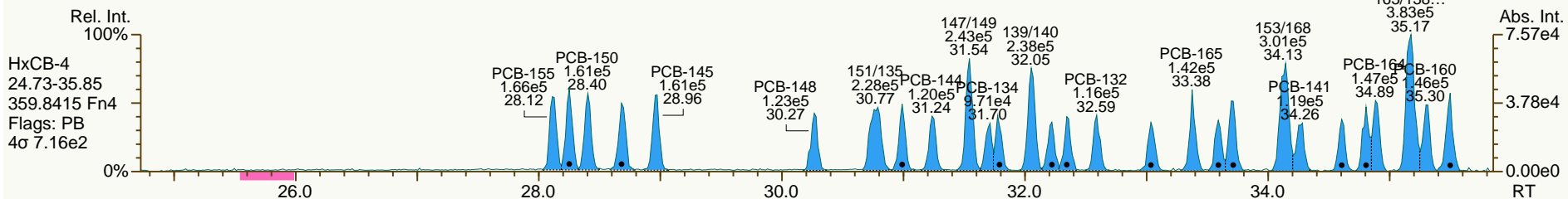
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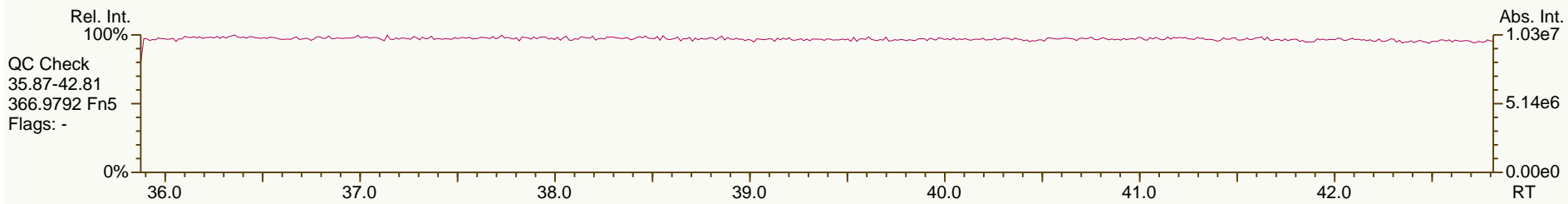
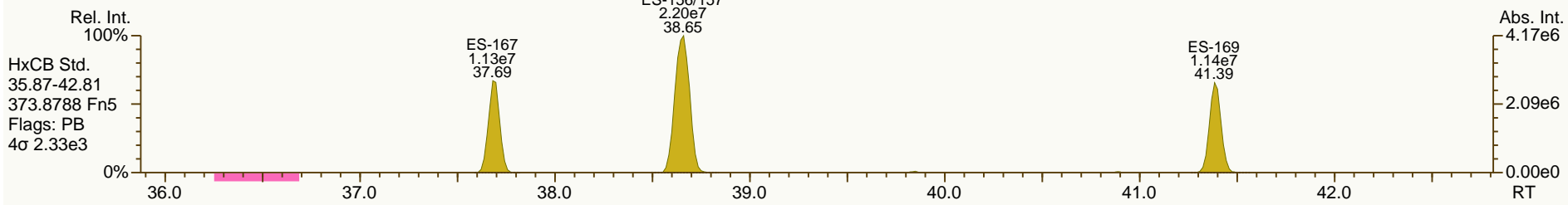
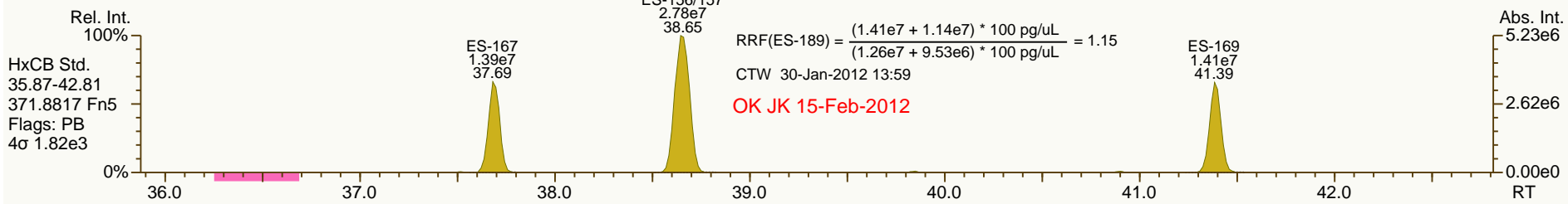
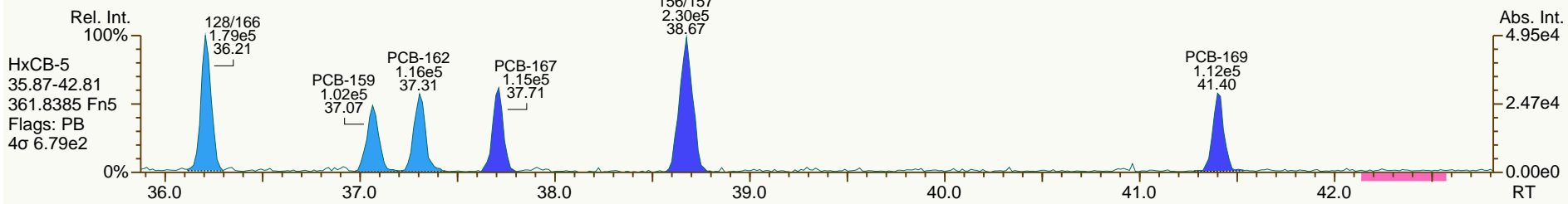
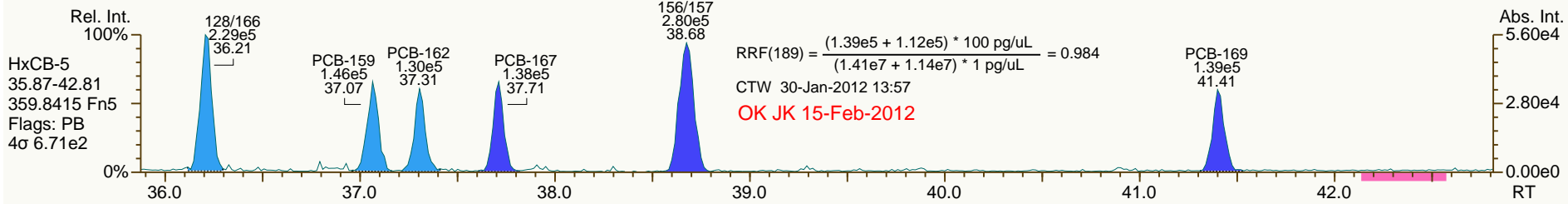
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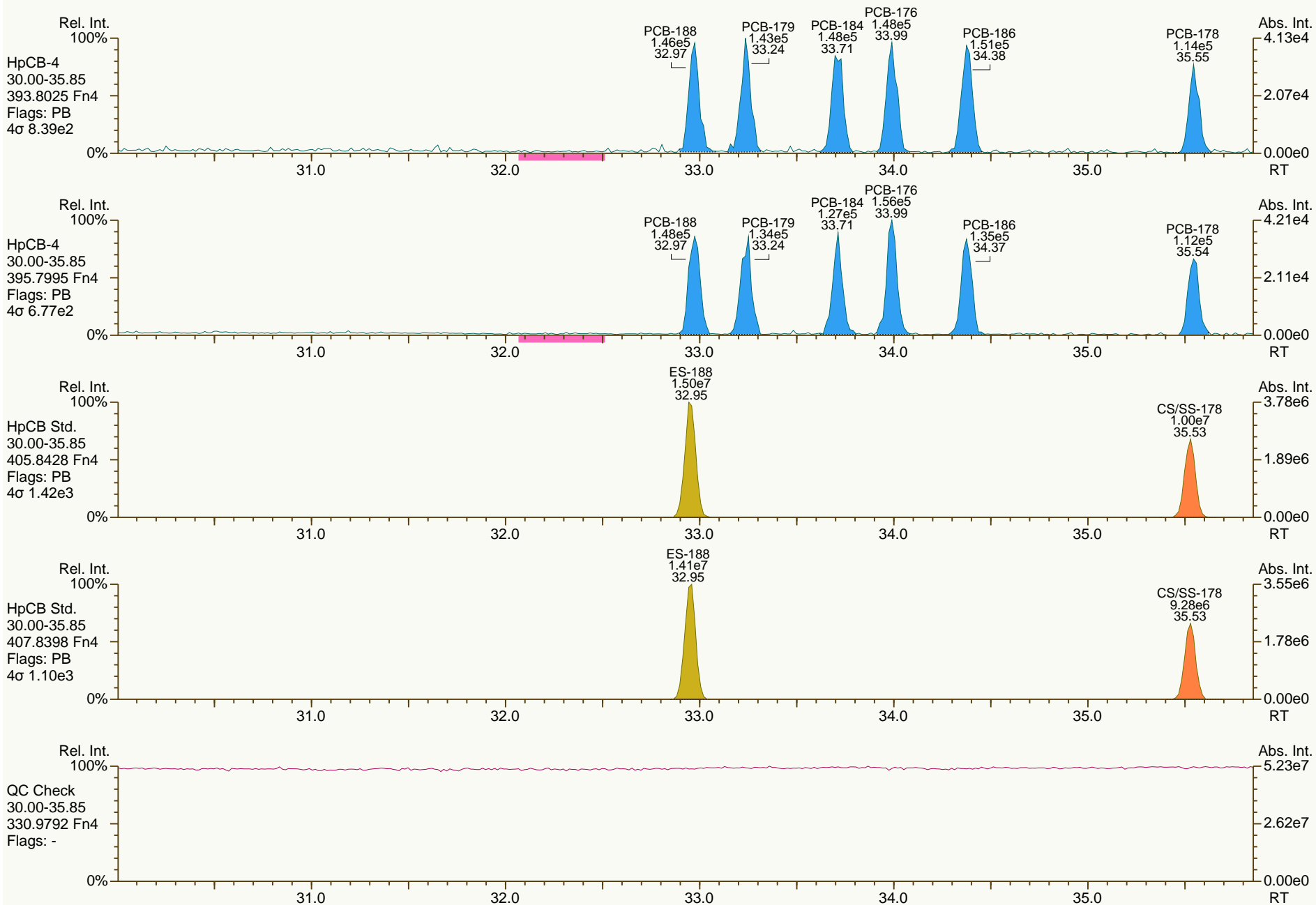
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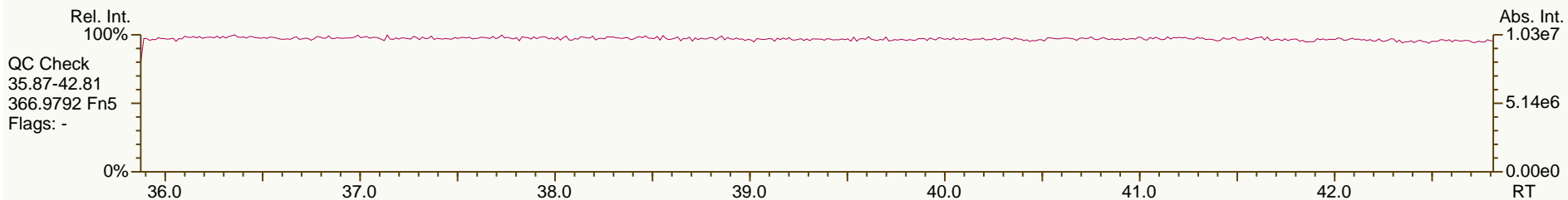
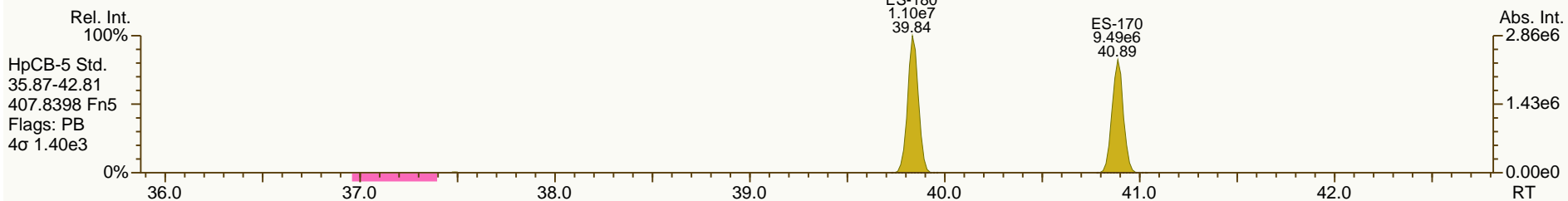
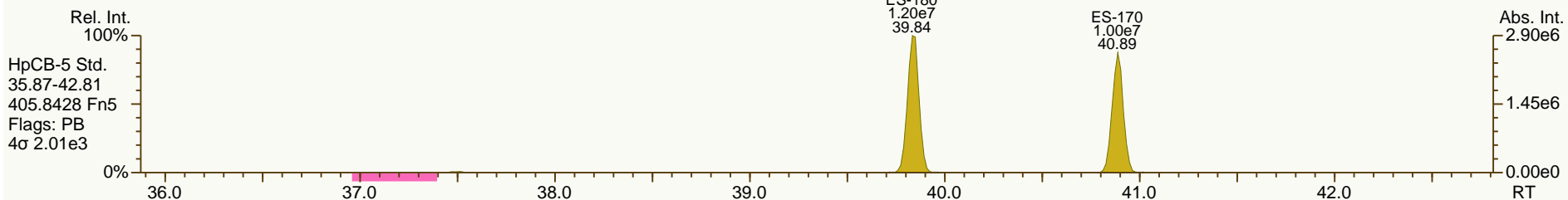
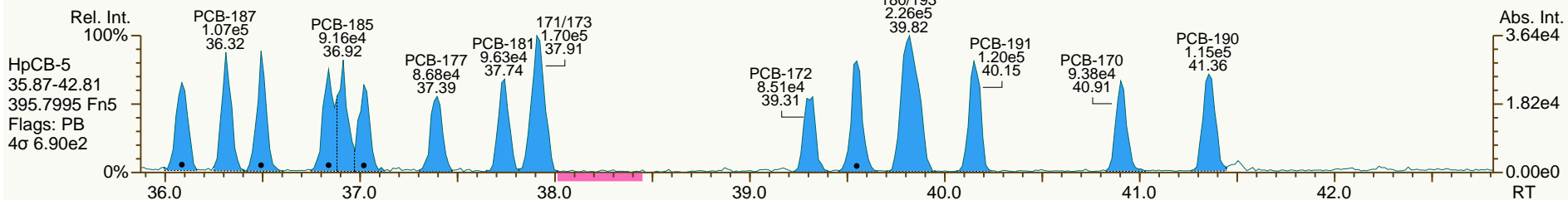
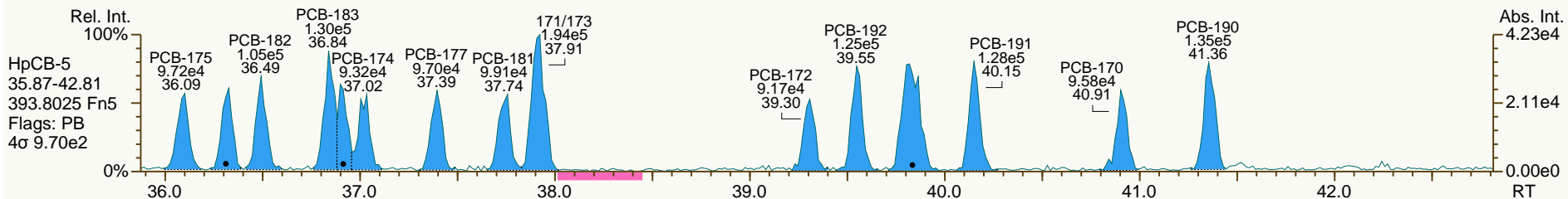
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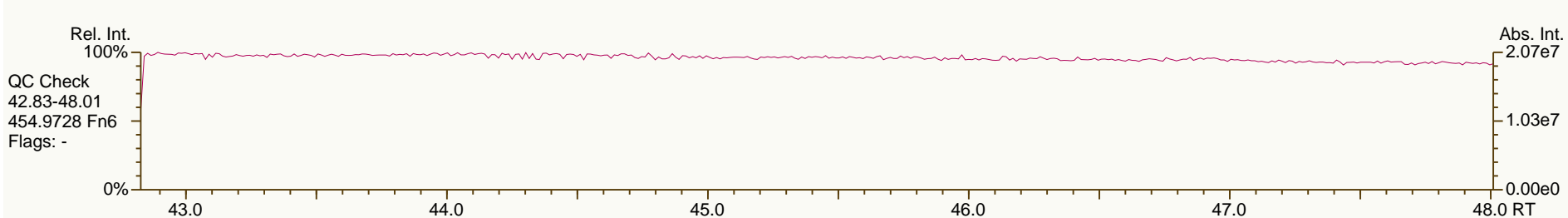
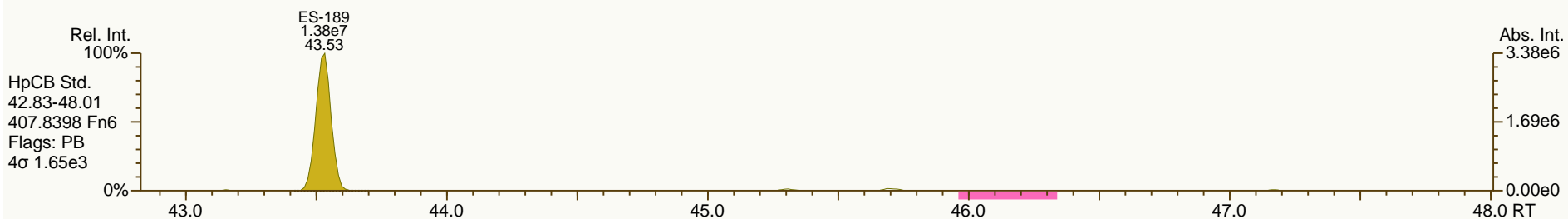
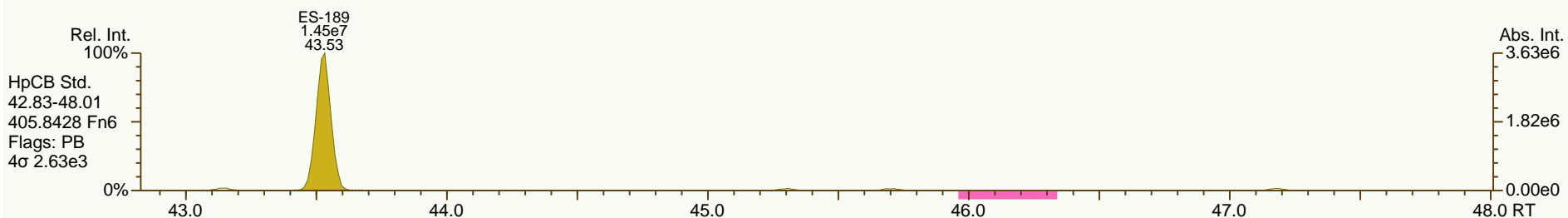
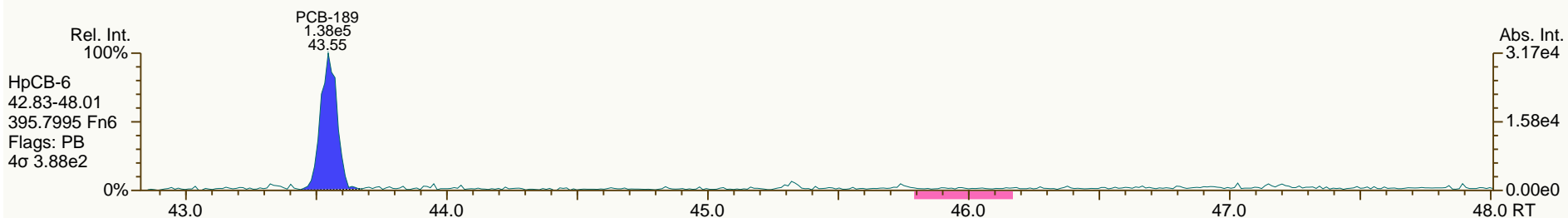
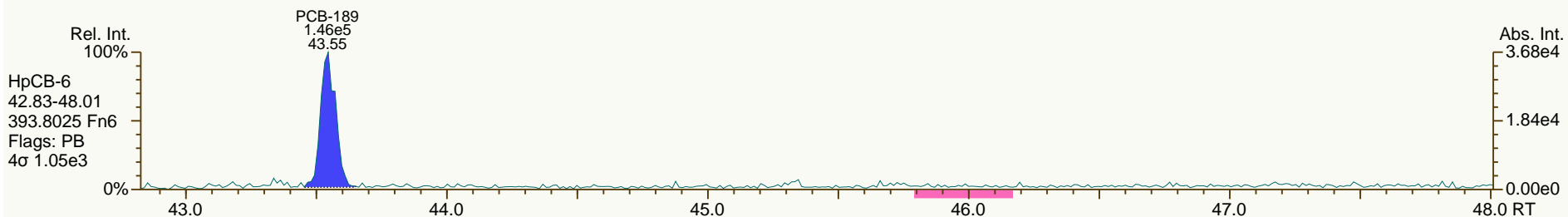
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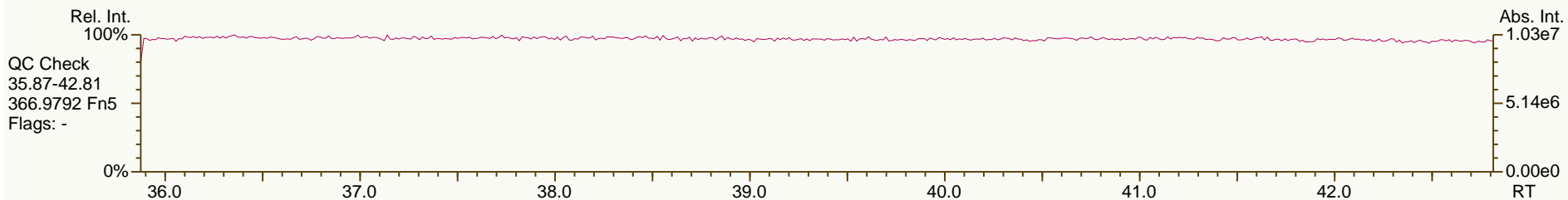
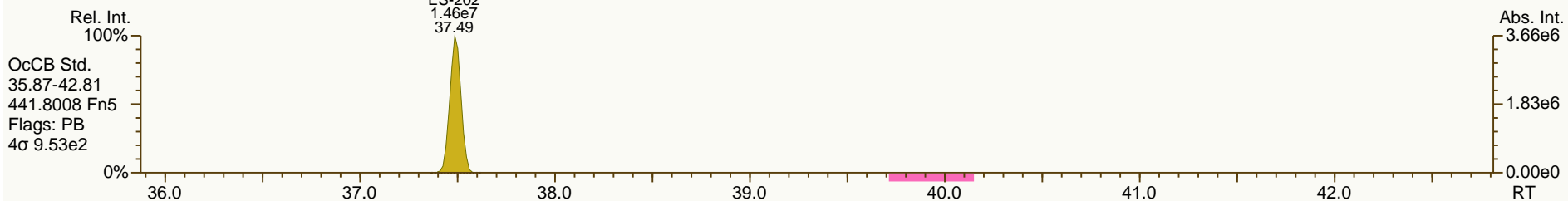
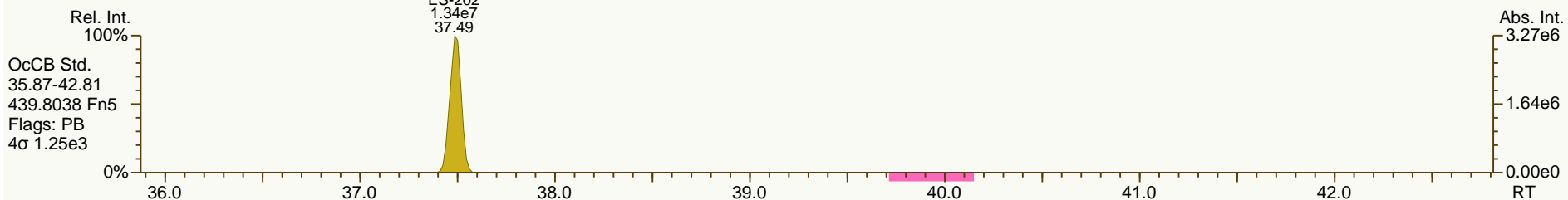
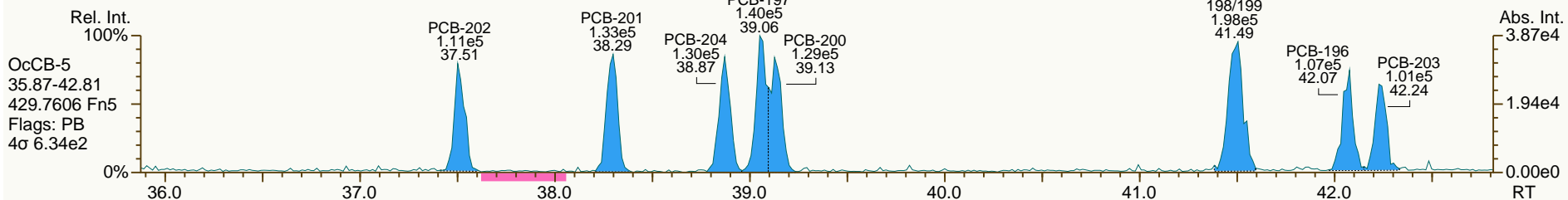
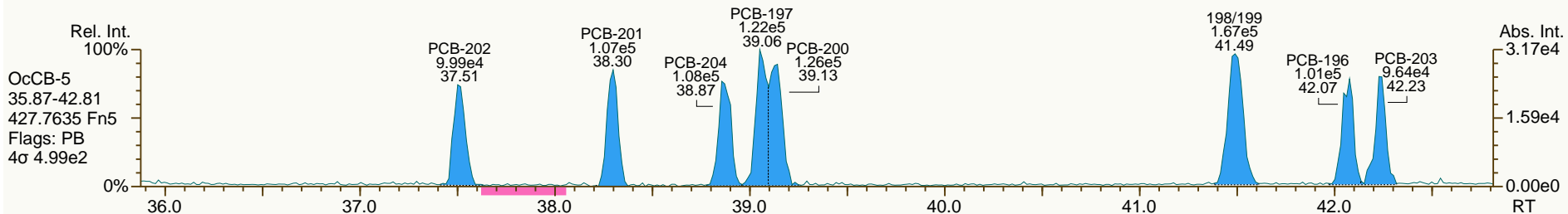
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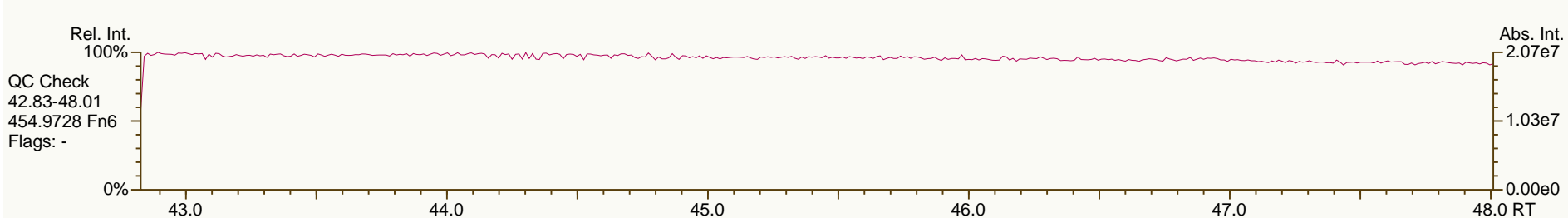
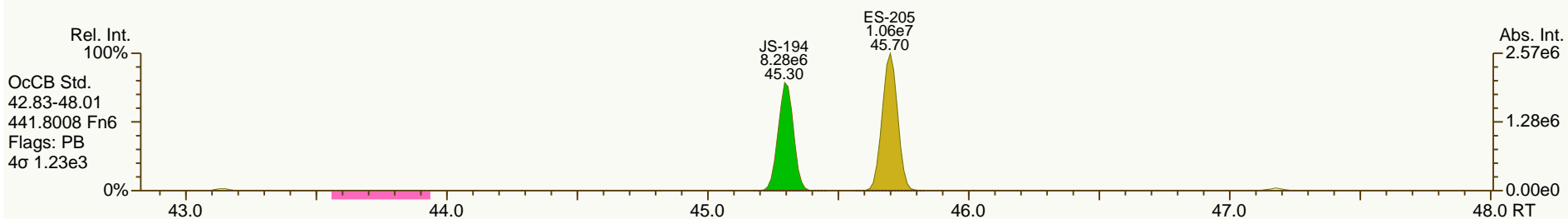
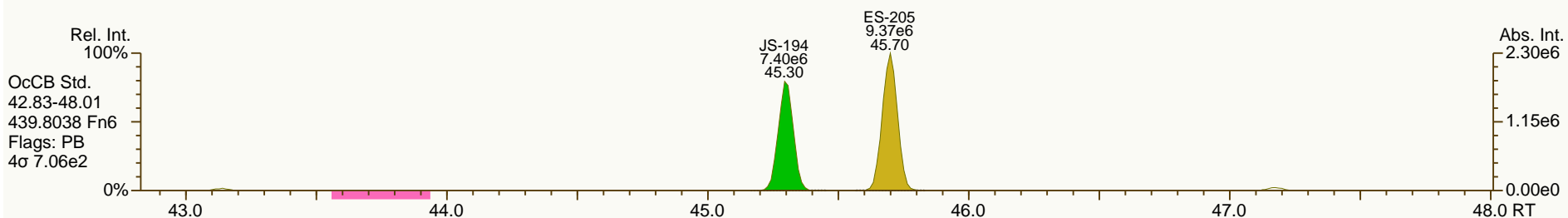
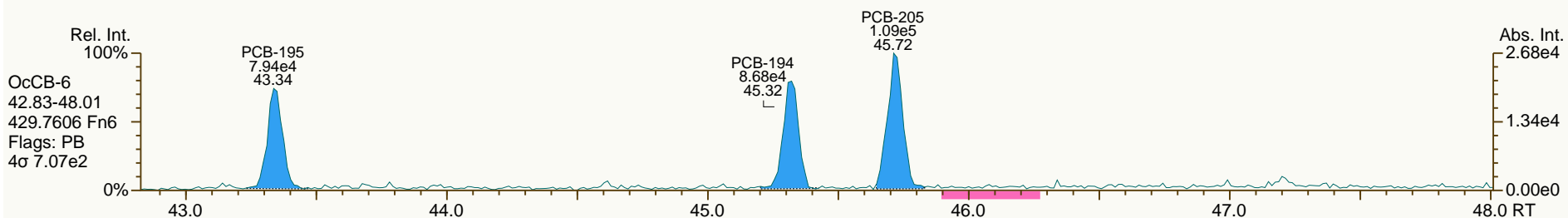
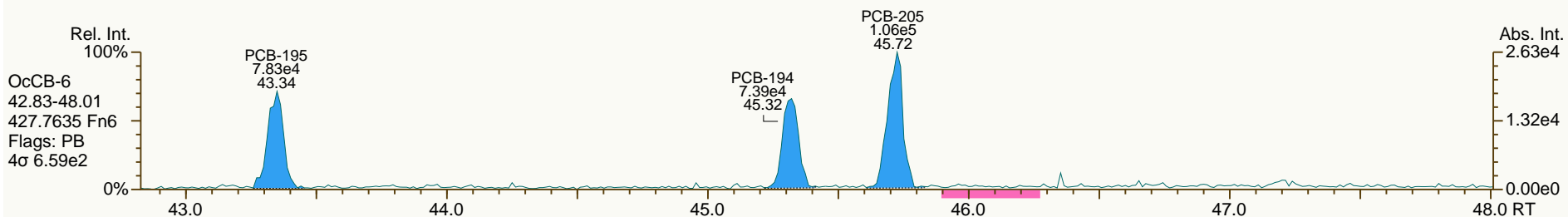
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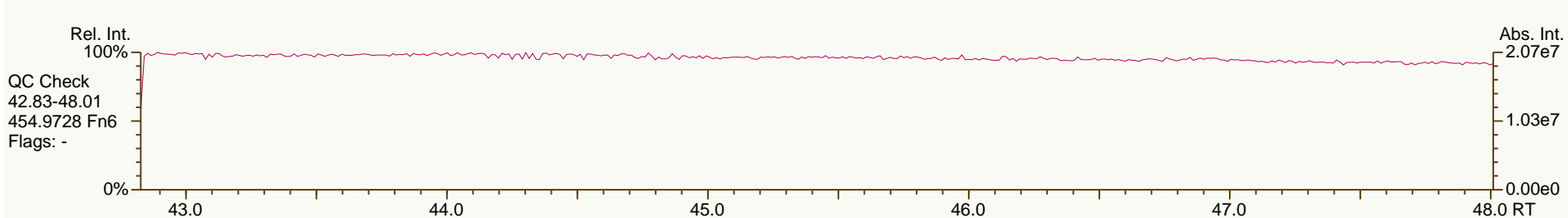
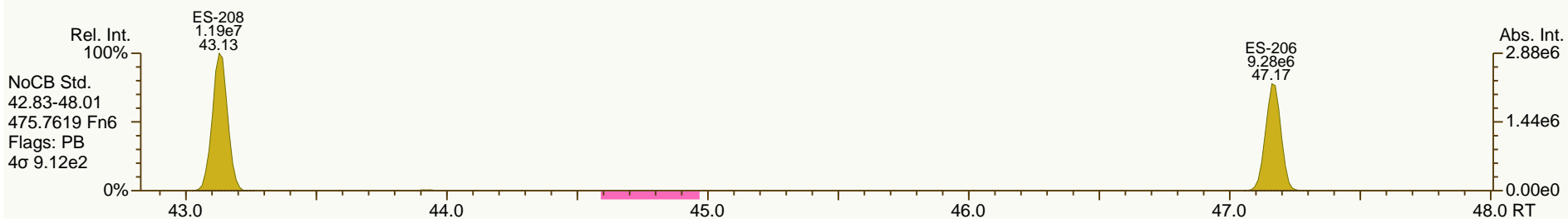
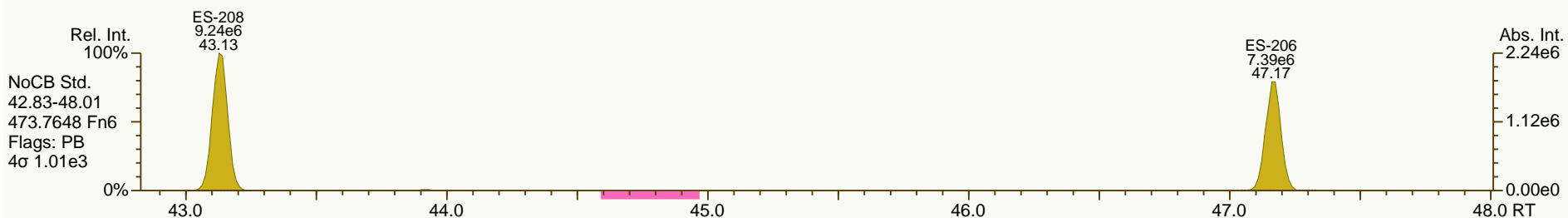
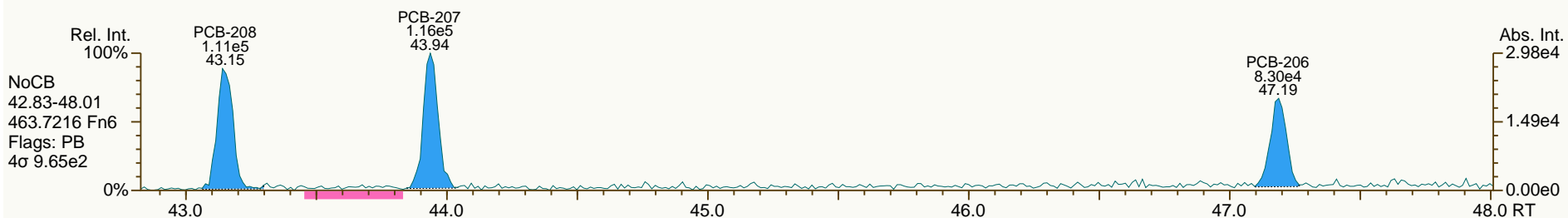
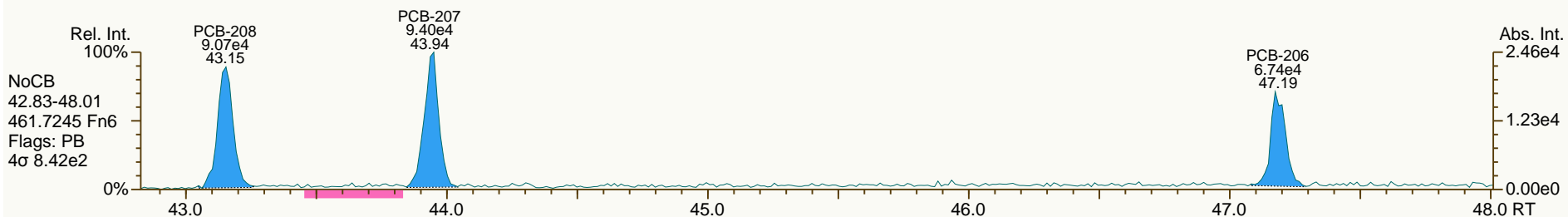
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Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

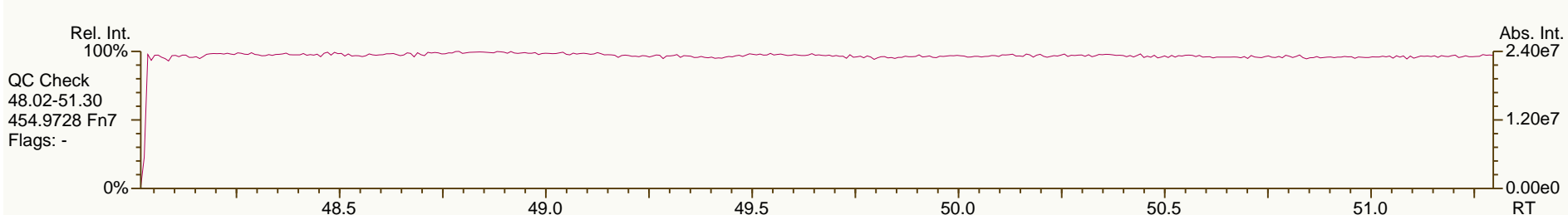
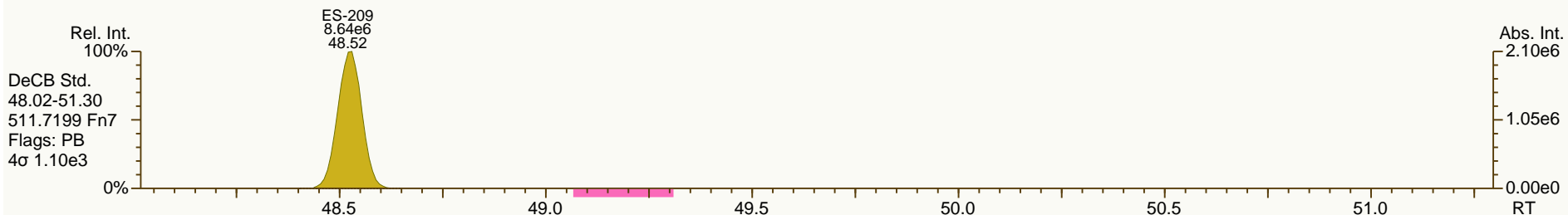
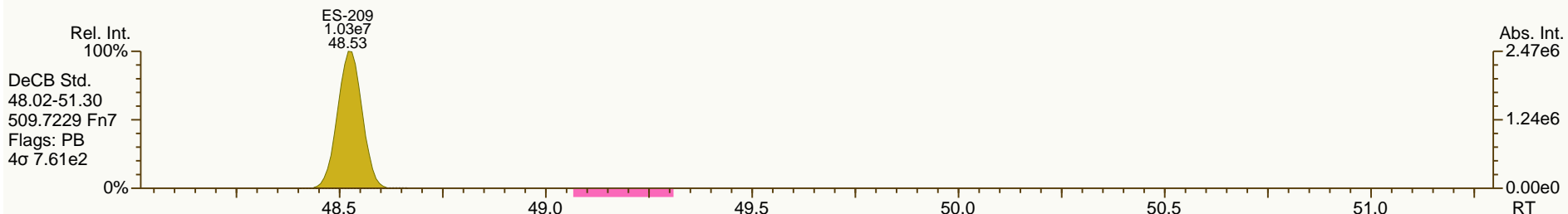
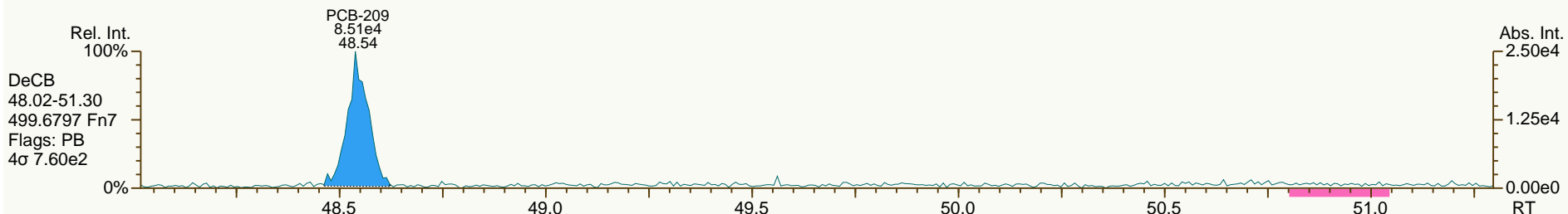
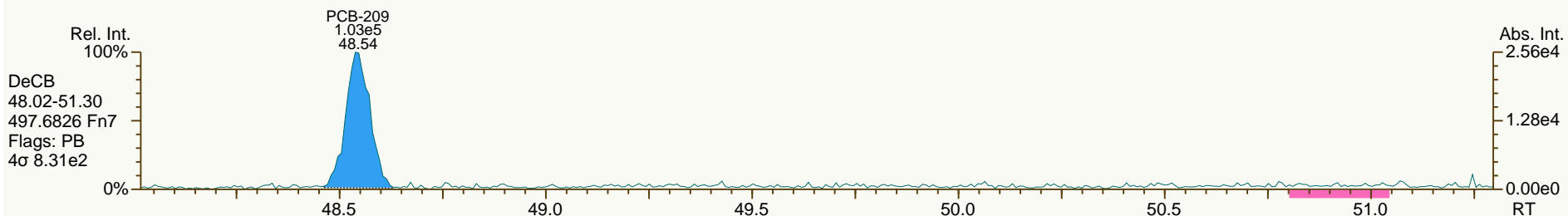
Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



AP Lab ID: CS1_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-5
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 21

Acq: 26-Jan-2012 17:04:43
 User: CTW Datafile: 120126S04



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 17:59							
Datafile:	120126S05							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.52	1.31E+06	0.77 Y	1.22	1.20	-2.4%		
PCB-81 344'5'-TeCB	30.05	1.24E+06	0.75 Y	1.24	1.20	-3.8%		
PCB-105 233'44'-PeCB	33.50	8.17E+05	0.64 Y	1.03	0.97	-6.0%		
PCB-114 2344'5'-PeCB	32.97	9.32E+05	0.62 Y	1.10	1.07	-2.5%		
PCB-118 23'44'5'-PeCB	32.52	8.41E+05	0.60 Y	1.03	0.95	-8.0%		
PCB-123 2'344'5'-PeCB	32.23	8.45E+05	0.61 Y	0.93	0.90	-2.3%		
PCB-126 33'44'5'-PeCB	36.12	1.02E+06	0.63 Y	1.11	1.09	-1.8%		
PCB-156/157 233'44'5'/233'44'5'	38.67	1.59E+06	1.24 Y	1.05	0.97	-7.3%		
PCB-167 23'44'55'-HxCB	37.71	8.63E+05	1.24 Y	1.08	1.06	-2.0%		
PCB-169 33'44'55'-HxCB	41.41	8.09E+05	1.28 Y	1.04	1.01	-3.5%		
PCB-189 233'44'55'-HpCB	43.55	9.71E+05	1.07 Y	1.11	1.07	-3.8%		
PCB-209 DeCB	48.55	6.02E+05	1.16 Y	1.05	0.99	-5.7%		
ES PCB-1	10.49	3.52E+07	3.13 Y	1.01	1.02	0.4%		
ES PCB-3	12.55	3.61E+07	3.22 Y	1.05	1.04	-1.0%		
ES PCB-4	12.77	2.39E+07	1.55 Y	0.70	0.69	-1.3%		
ES PCB-15	18.11	3.82E+07	1.61 Y	1.17	1.10	-6.0%		
ES PCB-19	15.61	1.92E+07	1.05 Y	0.57	0.55	-2.4%		
ES PCB-37	24.24	2.63E+07	1.08 Y	1.41	1.32	-6.8%		
ES PCB-54	18.36	2.70E+07	0.77 Y	1.32	1.35	2.0%		
ES PCB-77	30.51	2.19E+07	0.81 Y	1.22	1.09	-10.2%		
ES PCB-81	30.03	2.07E+07	0.80 Y	1.15	1.04	-9.9%		
ES PCB-104	23.19	2.64E+07	1.58 Y	1.69	1.80	6.8%		
ES PCB-105	33.48	1.69E+07	1.58 Y	1.21	1.16	-4.2%		
ES PCB-114	32.94	1.74E+07	1.62 Y	1.23	1.19	-3.5%		
ES PCB-118	32.49	1.77E+07	1.54 Y	1.25	1.21	-3.0%		
ES PCB-123	32.21	1.87E+07	1.59 Y	1.33	1.28	-3.7%		
ES PCB-126	36.10	1.87E+07	1.61 Y	1.36	1.28	-6.0%		
ES PCB-153	34.09	1.58E+07	1.30 Y	1.09	1.08	-0.1%		
ES PCB-155	28.10	2.15E+07	1.22 Y	1.40	1.48	5.3%		
ES PCB-156/157	38.65	3.28E+07	1.27 Y	1.13	1.13	-0.5%		
ES PCB-167	37.69	1.63E+07	1.26 Y	1.13	1.12	-1.0%		
ES PCB-169	41.39	1.61E+07	1.27 Y	1.14	1.10	-3.5%		
ES PCB-170	40.89	1.26E+07	1.04 Y	1.23	1.21	-1.6%		
ES PCB-180	39.84	1.52E+07	1.09 Y	1.46	1.46	-0.6%		
ES PCB-188	32.95	1.96E+07	1.04 Y	1.34	1.35	0.4%		
ES PCB-189	43.53	1.82E+07	1.05 Y	1.77	1.75	-1.0%		
ES PCB-202	37.49	1.85E+07	0.92 Y	1.27	1.27	-0.3%		
ES PCB-205	45.70	1.27E+07	0.88 Y	1.25	1.22	-2.1%		
ES PCB-206	47.17	1.10E+07	0.78 Y	1.07	1.06	-1.1%		
ES PCB-208	43.13	1.39E+07	0.78 Y	1.34	1.34	-0.1%		
ES PCB-209	48.53	1.22E+07	1.21 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	2.72E+07	1.08 Y	0.98	1.03	5.3%	
SS PCB-111	30.57	1.72E+07	1.57 Y	0.90	0.92	2.5%	
SS PCB-178	35.53	1.27E+07	1.03 Y	0.65	0.65	-0.3%	
CS PCB-28	20.78	2.72E+07	1.08 Y	1.39	1.36	-1.8%	
CS PCB-111	30.57	1.72E+07	1.57 Y	1.19	1.18	-1.3%	
CS PCB-178	35.53	1.27E+07	1.03 Y	0.87	0.87	0.1%	
JS PCB-9	14.60	3.47E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	2.00E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	1.46E+07	1.59 Y	-	-	-	
JS PCB-138	35.13	1.46E+07	1.25 Y	-	-	-	
JS PCB-194	45.30	1.04E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	-5.1%	
PCB-153 22'44'55' -HxCB	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-170 22'33'44'5-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-180 22'344'55'-HpCB	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-205 233'44'55'6-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-206 22'33'44'55'6-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	2.03E+06	3.16 Y	1.20	1.15	-3.7%	
PCB-2 3-MoCB	12.39	2.01E+06	3.17 Y	1.13	1.11	-1.5%	
PCB-3 4-MoCB	12.56	2.01E+06	3.19 Y	1.13	1.11	-1.7%	
PCB-4 22'-DiCB	12.78	1.12E+06	0.00 S	0.94	0.94	-0.9%	
PCB-10 26-DiCB	12.95	1.71E+06	1.49 Y	1.43	1.43	0.2%	
PCB-9 25-DiCB	14.62	1.72E+06	1.52 Y	0.87	0.90	3.8%	
PCB-7 24-DiCB	14.77	2.10E+06	1.33 Y	1.00	1.10	9.5%	
PCB-6 23'-DiCB	14.98	1.91E+06	1.40 Y	0.94	1.00	6.8%	
PCB-5 23-DiCB	15.25	1.87E+06	1.37 Y	0.92	0.98	6.4%	
PCB-8 24'-DiCB	15.37	1.88E+06	1.50 Y	0.95	0.99	3.9%	
PCB-14 35-DiCB	16.84	2.10E+06	1.49 Y	1.09	1.10	0.4%	
PCB-11 33'-DiCB	17.58	1.81E+06	1.47 Y	0.98	0.95	-2.8%	
PCB-13/12 34'-/34-DiCB	17.85	3.64E+06	1.53 Y	0.97	0.95	-1.7%	
PCB-15 44'-DiCB	18.12	1.94E+06	1.45 Y	1.01	1.02	1.3%	
PCB-19 22'6-TrCB	15.63	9.39E+05	1.05 Y	1.01	0.98	-3.2%	
PCB-30/18 246-/22'5-TrCB	17.30	2.43E+06	1.04 Y	1.29	1.27	-1.9%	
PCB-17 22'4-TrCB	17.68	1.06E+06	1.03 Y	1.14	1.11	-2.6%	
PCB-27 23'6-TrCB	17.87	1.35E+06	1.05 Y	1.48	1.41	-5.0%	
PCB-24 236-TrCB	17.99	1.32E+06	1.03 Y	1.43	1.38	-3.6%	
PCB-16 22'3-TrCB	18.07	8.34E+05	1.07 Y	0.89	0.87	-2.7%	
PCB-32 24'6-TrCB	18.54	1.45E+06	1.10 Y	1.56	1.51	-2.8%	
PCB-34 2'35-TrCB	19.66	1.59E+06	1.12 Y	1.18	1.21	2.5%	
PCB-23 235-TrCB	19.80	1.61E+06	1.04 Y	1.19	1.23	3.5%	
PCB-26/29 23'5-/245-TrCB	20.08	3.27E+06	1.04 Y	1.20	1.24	3.6%	
PCB-25 23'4-TrCB	20.27	1.63E+06	1.03 Y	1.19	1.24	4.1%	
PCB-31 24'5-TrCB	20.54	1.65E+06	1.08 Y	1.23	1.25	2.4%	
PCB-28/20 244'-/233'-TrCB	20.81	3.19E+06	1.05 Y	1.18	1.21	2.7%	
PCB-21/33 234-/2'34-TrCB	20.97	3.26E+06	1.02 Y	1.21	1.24	2.2%	
PCB-22 234'-TrCB	21.34	1.49E+06	1.04 Y	1.11	1.13	1.5%	
PCB-36 33'5-TrCB	22.71	1.60E+06	1.03 Y	1.21	1.22	0.4%	
PCB-39 34'5-TrCB	23.02	1.68E+06	1.04 Y	1.32	1.28	-2.8%	
PCB-38 345-TrCB	23.52	1.50E+06	1.03 Y	1.15	1.14	-1.3%	
PCB-35 33'4-TrCB	23.91	1.47E+06	1.05 Y	1.13	1.12	-1.5%	
PCB-37 344'-TrCB	24.26	1.54E+06	1.00 Y	1.20	1.17	-2.1%	
PCB-54 22'66'-TeCB	18.38	1.25E+06	0.81 Y	0.93	0.93	-0.3%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.86E+06	0.78 Y	0.83	0.90	7.6%	
PCB-45 22'36'-TeCB	20.86	8.01E+05	0.79 Y	0.71	0.77	9.5%	
PCB-51 22'46'-TeCB	20.94	9.75E+05	0.79 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	7.73E+05	0.80 Y	0.69	0.75	7.3%	
PCB-52 22'55'-TeCB	22.39	8.95E+05	0.78 Y	0.80	0.86	7.5%	
PCB-73 23'5'6TeCB	22.51	1.14E+06	0.77 Y	1.03	1.10	6.0%	
PCB-43 22'35'-TeCB	22.60	7.49E+05	0.78 Y	0.71	0.72	2.3%	
PCB-69/49 23'46-/22'45'TeCB	22.80	2.07E+06	0.78 Y	0.96	1.00	4.0%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	9.04E+05	0.82 Y	0.84	0.87	0.82	4.4%
PCB-44/47/65 22'35'-/22'44'-	23.27	2.76E+06	0.77 Y	0.86	0.89	0.89	3.4%
PCB-59/62/75 233'6'-/2346-/24	23.54	3.56E+06	0.77 Y	1.09	1.14	1.14	4.7%
PCB-42 22'34'-TeCB	23.70	8.16E+05	0.78 Y	0.77	0.79	0.79	2.8%
PCB-41 22'34'-TeCB	24.02	7.90E+05	0.77 Y	0.73	0.76	0.76	5.0%
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.76E+06	0.76 Y	0.81	0.85	0.85	4.2%
PCB-64 234'6'-TeCB	24.32	1.25E+06	0.80 Y	1.17	1.20	1.20	2.9%
PCB-72 23'55'-TeCB	25.06	1.33E+06	0.76 Y	1.25	1.28	1.28	2.5%
PCB-68 23'45'-TeCB	25.30	1.42E+06	0.77 Y	1.36	1.37	1.37	0.7%
PCB-57 233'5'-TeCB	25.66	1.31E+06	0.78 Y	1.22	1.26	1.26	3.2%
PCB-58 233'5'-TeCB	25.86	1.31E+06	0.77 Y	1.26	1.26	1.26	0.3%
PCB-67 23'45'-TeCB	26.01	1.29E+06	0.73 Y	1.27	1.25	1.25	-2.3%
PCB-63 234'5'-TeCB	26.23	1.39E+06	0.80 Y	1.34	1.34	1.34	0.2%
PCB-61/70/74/76 2345-/23'4'5	26.52	5.17E+06	0.78 Y	1.24	1.25	1.25	0.2%
PCB-66 23'44'-TeCB	26.79	1.26E+06	0.77 Y	1.19	1.21	1.21	2.0%
PCB-55 233'4'-TeCB	26.93	1.24E+06	0.81 Y	1.22	1.20	1.20	-1.5%
PCB-56 233'4'-TeCB	27.36	1.22E+06	0.79 Y	1.18	1.18	1.18	0.2%
PCB-60 2344'-TeCB	27.55	1.28E+06	0.78 Y	1.24	1.24	1.24	0.0%
PCB-80 33'55'-TeCB	27.92	1.43E+06	0.77 Y	1.37	1.38	1.38	0.3%
PCB-79 33'45'-TeCB	29.21	1.39E+06	0.79 Y	1.37	1.34	1.34	-2.0%
PCB-78 33'45'-TeCB	29.68	1.21E+06	0.82 Y	1.19	1.16	1.16	-2.5%
PCB-104 22'466'-PeCB	23.21	1.15E+06	0.62 Y	0.92	0.87	0.87	-5.1%
PCB-96 22'366'-PeCB	23.51	1.05E+06	0.63 Y	0.81	0.80	0.80	-1.7%
PCB-103 22'45'6'-PeCB	25.21	7.60E+05	0.61 Y	0.78	0.81	0.81	4.9%
PCB-94 22'356'-PeCB	25.39	6.83E+05	0.62 Y	0.71	0.73	0.73	2.6%
PCB-95 22'35'6'-PeCB	25.76	7.07E+05	0.60 Y	0.74	0.76	0.76	2.0%
PCB-100/93 22'44'6-/22'356-P	25.97	1.42E+06	0.59 Y	0.75	0.76	0.76	2.2%
PCB-102 22'456'-PeCB	26.08	6.98E+05	0.62 Y	0.75	0.75	0.75	-0.2%
PCB-98 22'3'46'-PeCB	26.14	6.85E+05	0.65 Y	0.71	0.73	0.73	3.1%
PCB-88 22'346'-PeCB	26.43	6.20E+05	0.60 Y	0.66	0.66	0.66	-0.2%
PCB-91 22'34'6'-PeCB	26.50	7.68E+05	0.65 Y	0.84	0.82	0.82	-2.1%
PCB-84 22'33'6'-PeCB	26.68	6.38E+05	0.63 Y	0.65	0.68	0.68	5.0%
PCB-89 22'346'-PeCB	27.09	6.46E+05	0.64 Y	0.69	0.69	0.69	0.5%
PCB-121 23'45'6'-PeCB	27.48	9.22E+05	0.60 Y	0.98	0.99	0.99	0.3%
PCB-92 22'355'-PeCB	27.79	6.72E+05	0.63 Y	0.72	0.72	0.72	0.5%
PCB-113/90/101 233'5'6-/22'3	28.27	2.26E+06	0.62 Y	0.81	0.81	0.81	-0.2%
PCB-83 22'33'5'-PeCB	28.68	5.55E+05	0.62 Y	0.62	0.59	0.59	-4.6%
PCB-99 22'44'5'-PeCB	28.79	7.32E+05	0.61 Y	0.76	0.78	0.78	2.4%
PCB-112 233'56'-PeCB	28.88	8.90E+05	0.61 Y	0.96	0.95	0.95	-1.2%
PCB-108/119/86/97/125/87 233	29.22	4.63E+06	0.61 Y	0.83	0.83	0.83	0.0%
PCB-117 234'56'-PeCB	29.76	8.97E+05	0.59 Y	0.94	0.96	0.96	2.1%
PCB-116/85 23456-/22'344'-Pe	29.83	1.46E+06	0.60 Y	0.81	0.78	0.78	-3.2%
PCB-110 233'4'6'-PeCB	29.96	8.57E+05	0.60 Y	0.92	0.92	0.92	-0.4%

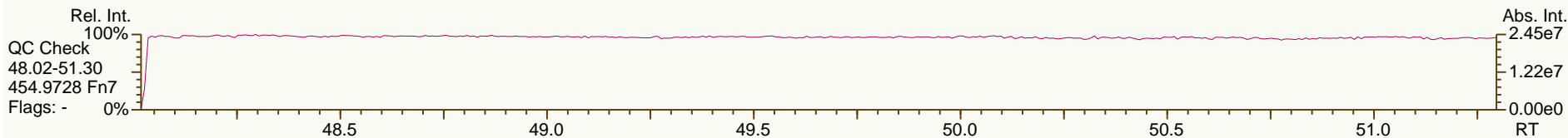
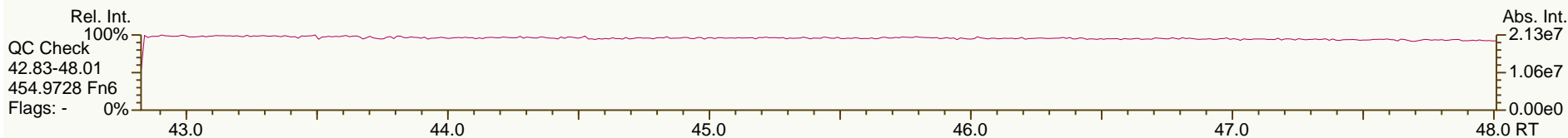
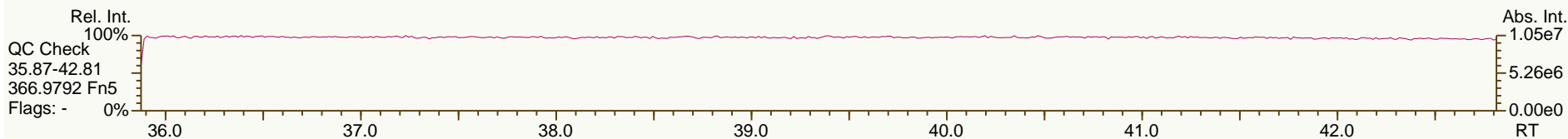
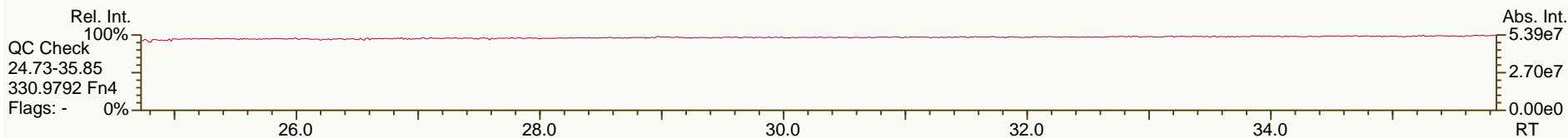
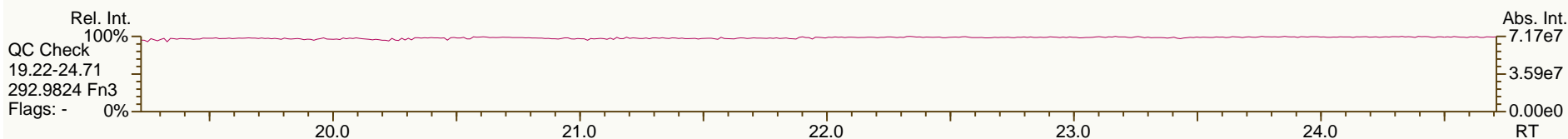
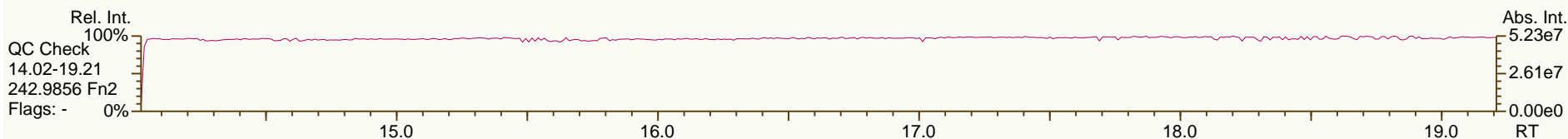
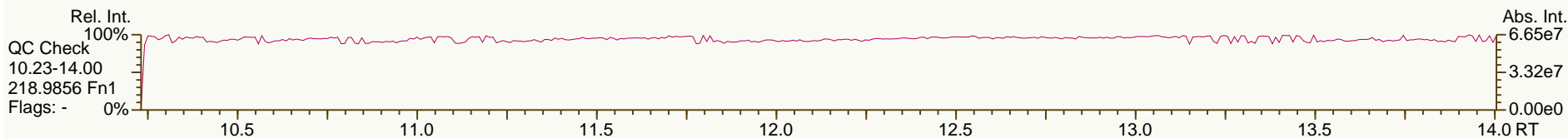
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Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	30.04	8.56E+05	0.59 Y	0.95	0.92	-3.4%	
PCB-82 22'33'4'-PeCB	30.22	5.53E+05	0.58 Y	0.62	0.59	-3.9%	
PCB-111 233'55'-PeCB	30.59	8.62E+05	0.62 Y	0.98	0.92	-6.4%	
PCB-120 23'455'-PeCB	30.98	9.15E+05	0.62 Y	0.99	0.98	-1.3%	
PCB-107/124 233'4'5'-/2'3455'	31.93	1.66E+06	0.59 Y	0.92	0.89	-3.6%	
PCB-109 233'46'-PeCB	32.14	8.97E+05	0.62 Y	1.00	0.96	-3.5%	
PCB-106 233'45'-PeCB	32.34	8.58E+05	0.60 Y	0.96	0.92	-4.6%	
PCB-122 2'33'45'-PeCB	32.80	7.90E+05	0.59 Y	0.93	0.91	-2.2%	
PCB-127 33'455'-PeCB	34.77	8.49E+05	0.62 Y	1.04	1.00	-3.5%	
PCB-155 22'44'66'-HxCB	28.12	1.11E+06	1.28 Y	1.06	1.03	-2.5%	
PCB-152 22'3566'-HxCB	28.25	1.03E+06	1.24 Y	0.98	0.96	-2.2%	
PCB-150 22'34'66'-HxCB	28.40	1.03E+06	1.15 Y	0.99	0.96	-2.8%	
PCB-136 22'33'66'-HxCB	28.69	9.37E+05	1.22 Y	0.92	0.87	-5.3%	
PCB-145 22'3466'HxCB	28.96	9.47E+05	1.19 Y	0.94	0.88	-6.2%	
PCB-148 22'34'56'-HxCB	30.26	7.33E+05	1.27 Y	0.95	0.93	-2.0%	
PCB-151/135 22'355'6'-/22'33'	30.77	1.43E+06	1.16 Y	0.92	0.90	-1.5%	
PCB-154 22'44'5'6'-HxCB	30.99	7.83E+05	1.19 Y	1.01	0.99	-2.3%	
PCB-144 22'345'6'-HxCB	31.24	7.47E+05	1.23 Y	0.93	0.95	1.6%	
PCB-147/149 22'34'56'-/22'34'	31.54	1.48E+06	1.27 Y	0.94	0.94	0.1%	
PCB-134 22'33'56'-HxCB	31.70	6.02E+05	1.20 Y	0.78	0.76	-2.7%	
PCB-143 22'3456'-HxCB	31.78	6.93E+05	1.19 Y	0.90	0.88	-2.0%	
PCB-139/140 22'344'6'-/22'344'	32.05	1.45E+06	1.27 Y	0.95	0.92	-3.0%	
PCB-131 22'33'46'-HxCB	32.21	6.36E+05	1.28 Y	0.84	0.81	-3.7%	
PCB-142 22'3456'-HxCB	32.35	6.49E+05	1.24 Y	0.87	0.82	-5.6%	
PCB-132 22'33'46'-HxCB	32.59	6.56E+05	1.32 Y	0.88	0.83	-5.1%	
PCB-133 22'33'55'-HxCB	33.04	6.71E+05	1.24 Y	0.89	0.85	-4.4%	
PCB-165 233'55'6'-HxCB	33.38	7.89E+05	1.17 Y	1.06	1.00	-6.1%	
PCB-146 22'34'55'-HxCB	33.59	7.33E+05	1.29 Y	0.94	0.93	-1.6%	
PCB-161 233'45'6'-HxCB	33.71	9.30E+05	1.19 Y	1.20	1.18	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.72E+06	1.21 Y	1.15	1.09	-5.0%	
PCB-141 22'3455'-HxCB	34.27	7.01E+05	1.16 Y	0.91	0.89	-2.7%	
PCB-130 22'33'45'-HxCB	34.61	6.17E+05	1.19 Y	0.82	0.78	-4.8%	
PCB-137 22'344'5'-HxCB	34.80	6.85E+05	1.24 Y	1.00	0.87	-13.5%	
PCB-164 233'4'5'6'-HxCB	34.89	9.11E+05	1.21 Y	1.14	1.15	1.5%	
PCB-163/138/129 233'4'56'-/22'	35.17	2.26E+06	1.23 Y	0.98	0.96	-2.9%	
PCB-160 233'456'-HxCB	35.30	8.47E+05	1.22 Y	1.14	1.07	-6.1%	
PCB-158 233'44'6'-HxCB	35.49	9.25E+05	1.18 Y	1.24	1.17	-5.8%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.34E+06	1.27 Y	0.86	0.82	-5.1%	
PCB-159 233'455'-HxCB	37.07	8.08E+05	1.31 Y	1.03	0.99	-3.5%	
PCB-162 233'4'55'-HxCB	37.31	7.77E+05	1.22 Y	1.04	0.95	-8.3%	
PCB-188 22'34'566'-HpCB	32.97	1.04E+06	1.10 Y	1.07	1.06	-0.8%	
PCB-179 22'33'566'-HpCB	33.24	9.63E+05	0.99 Y	0.98	0.98	0.5%	
PCB-184 22'344'66'-HpCB	33.71	9.33E+05	1.07 Y	0.97	0.95	-2.1%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS2_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 17:59						
Datafile:	120126S05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	1.04E+06	1.12 Y	1.06	1.06	-0.3%	
PCB-186 22'34566'-HpCB	34.38	9.54E+05	1.02 Y	1.02	0.97	-4.3%	
PCB-178 22'33'55'6'-HpCB	35.55	7.11E+05	1.08 Y	0.77	0.73	-6.0%	
PCB-175 22'33'45'6'-HpCB	36.09	6.30E+05	0.98 Y	0.89	0.83	-6.9%	
PCB-187 22'34'55'6'-HpCB	36.32	6.73E+05	1.04 Y	0.94	0.89	-5.1%	
PCB-182 22'344'56'-HpCB	36.49	6.82E+05	0.99 Y	0.95	0.90	-5.3%	
PCB-183 22'344'5'6'-HpCB	36.84	6.44E+05	0.99 Y	0.96	0.85	-11.2%	
PCB-185 22'3455'6'-HpCB	36.91	6.92E+05	1.00 Y	0.93	0.91	-1.9%	
PCB-174 22'33'456'-HpCB	37.02	6.02E+05	1.06 Y	0.80	0.79	-0.8%	
PCB-177 22'33'4'56'-HpCB	37.39	5.78E+05	0.99 Y	0.82	0.76	-6.5%	
PCB-181 22'344'56'-HpCB	37.74	6.54E+05	1.09 Y	0.91	0.86	-5.6%	
PCB-171/173 22'33'44'6'-/22'3	37.92	1.16E+06	1.03 Y	0.81	0.77	-5.6%	
PCB-172 22'33'455'-HpCB	39.31	5.98E+05	1.05 Y	0.83	0.79	-4.6%	
PCB-192 233'455'6'-HpCB	39.55	7.68E+05	1.04 Y	1.09	1.01	-7.3%	
PCB-180/193 22'344'55'-/233'	39.83	1.49E+06	1.12 Y	1.01	0.98	-2.9%	
PCB-191 233'44'5'6'-HpCB	40.15	8.05E+05	1.06 Y	1.13	1.06	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.91	6.07E+05	1.05 Y	1.00	0.96	-3.6%	
PCB-190 233'44'56'-HpCB	41.36	8.06E+05	1.05 Y	1.35	1.28	-5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	7.40E+05	0.89 Y	0.83	0.80	-3.0%	
PCB-201 22'33'45'66'-OcCB	38.29	8.45E+05	0.85 Y	0.93	0.92	-1.1%	
PCB-204 22'344'566'-OcCB	38.87	7.91E+05	0.86 Y	0.89	0.86	-3.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.81E+05	0.86 Y	0.91	0.85	-7.2%	
PCB-200 22'33'4566'-OcCB	39.14	8.15E+05	0.89 Y	0.93	0.88	-4.9%	
PCB-198/199 22'33'455'6'-/22'	41.49	1.21E+06	0.85 Y	0.68	0.66	-3.9%	
PCB-196 22'33'44'56'-OcCB	42.07	6.21E+05	0.86 Y	0.72	0.67	-6.2%	
PCB-203 22'344'55'6'-OcCB	42.24	6.60E+05	0.87 Y	0.74	0.71	-3.0%	
PCB-195 22'33'44'56'-OcCB	43.34	5.02E+05	0.86 Y	0.81	0.79	-2.8%	
PCB-194 22'33'44'55'-OcCB	45.32	5.38E+05	0.85 Y	0.86	0.84	-1.5%	
PCB-205 233'44'55'6'-OcCB	45.72	6.65E+05	0.86 Y	1.09	1.04	-4.4%	
PCB-208 22'33'455'66'-NoCB	43.15	6.40E+05	0.82 Y	0.98	0.92	-5.7%	
PCB-207 22'33'44'566'-NoCB	43.94	6.79E+05	0.74 Y	1.02	0.98	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	47.19	4.98E+05	0.79 Y	0.93	0.91	-3.0%	

AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

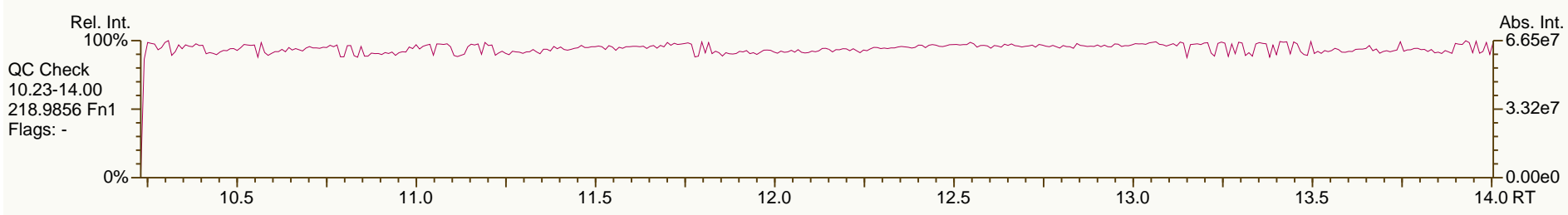
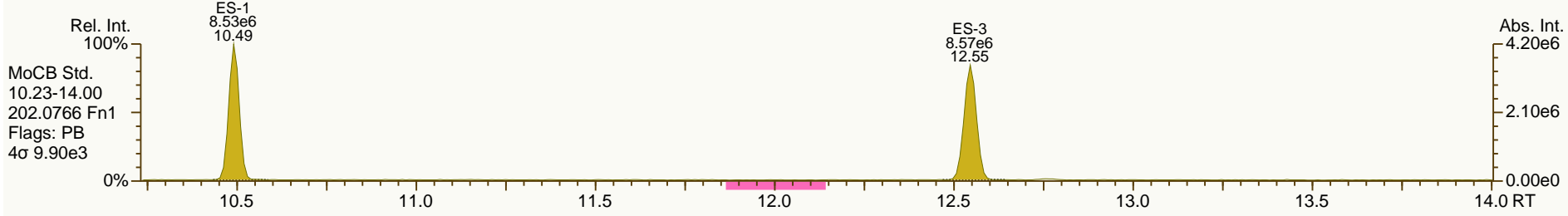
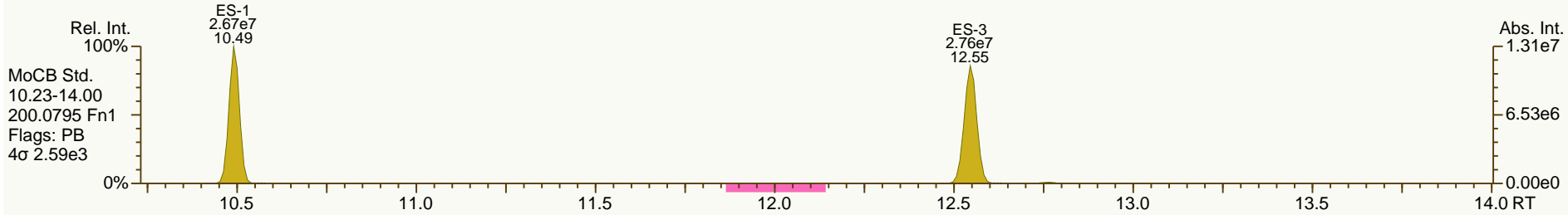
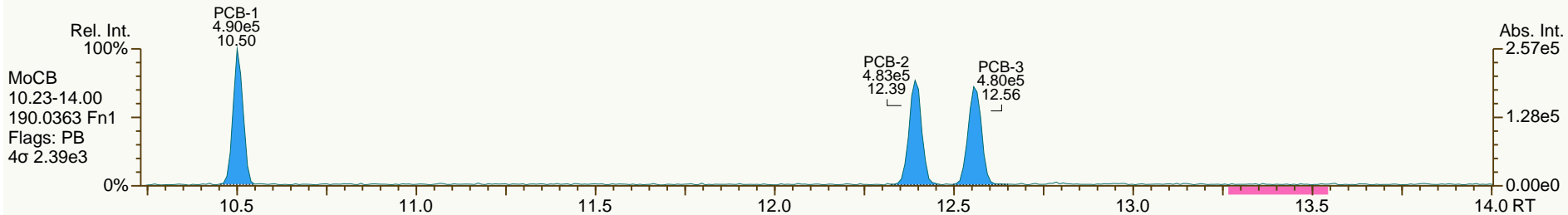
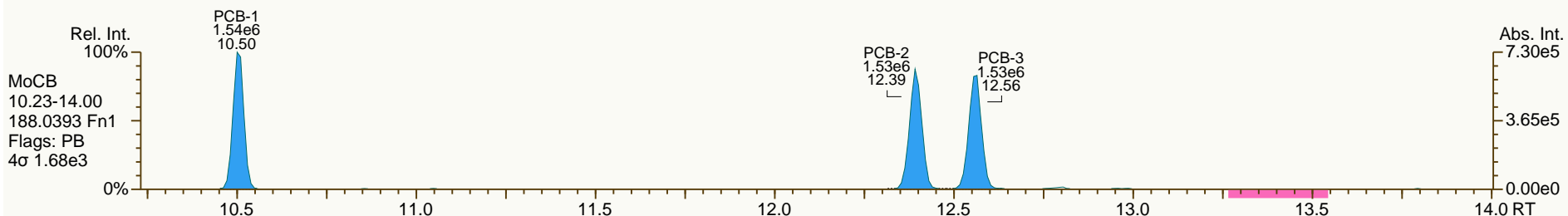
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

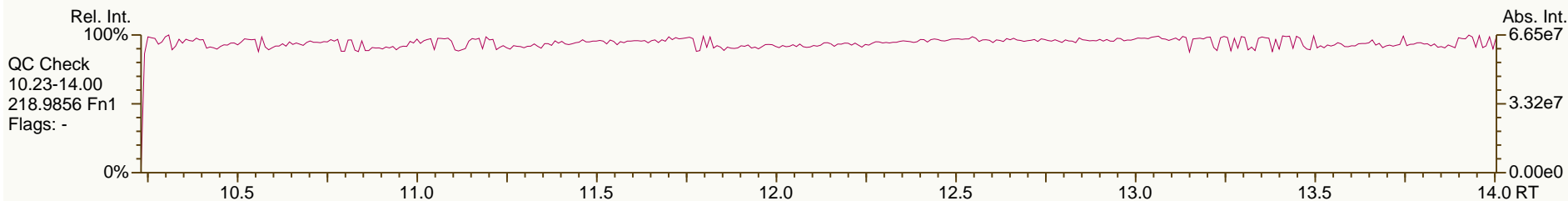
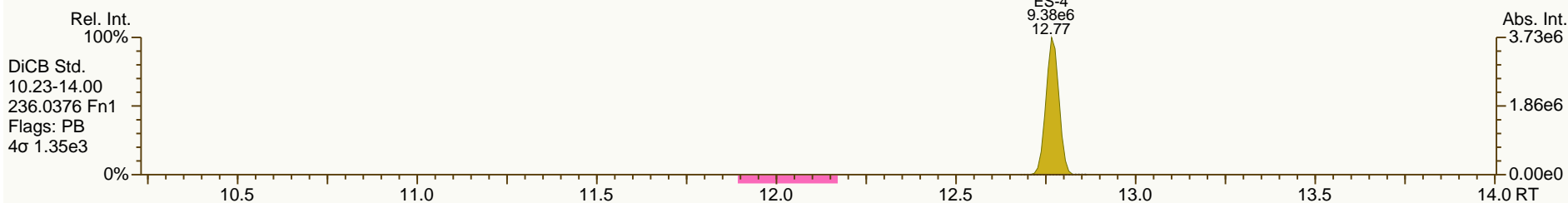
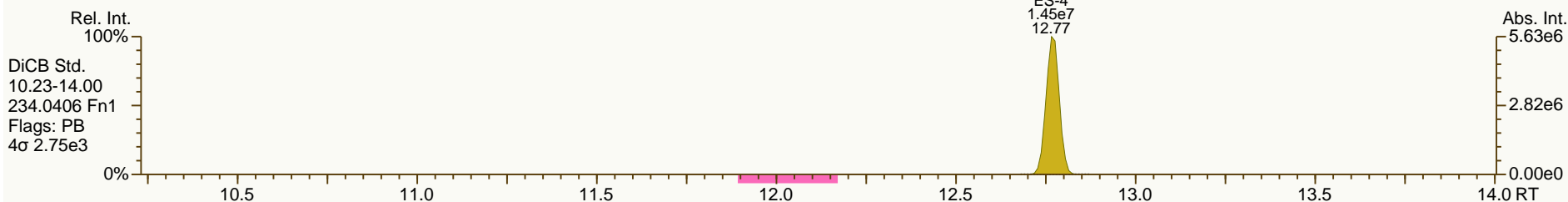
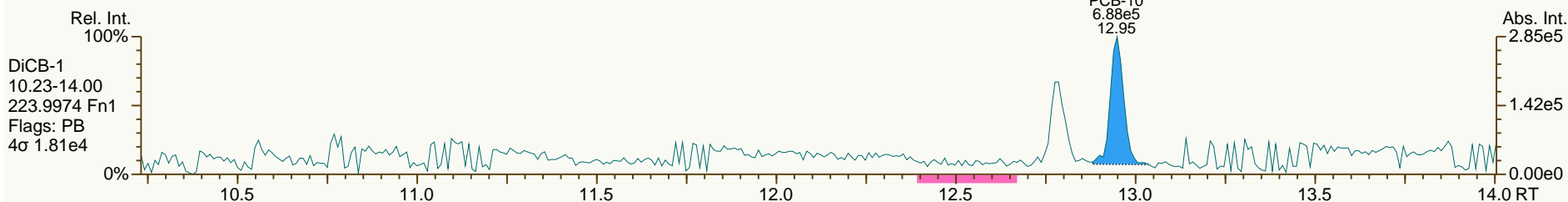
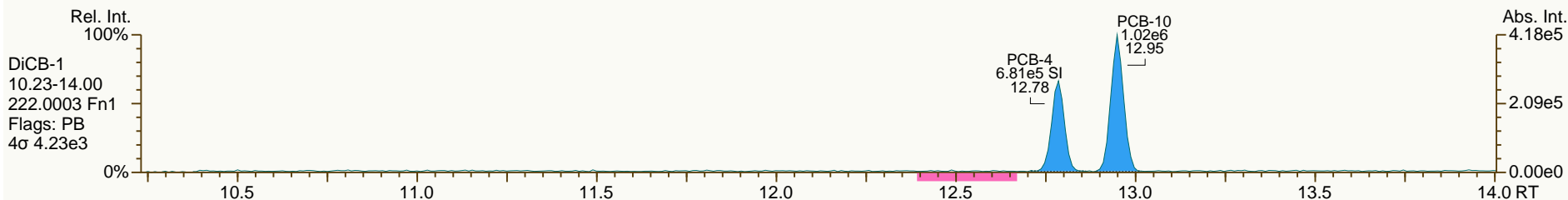
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AP Lab ID: CS2_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

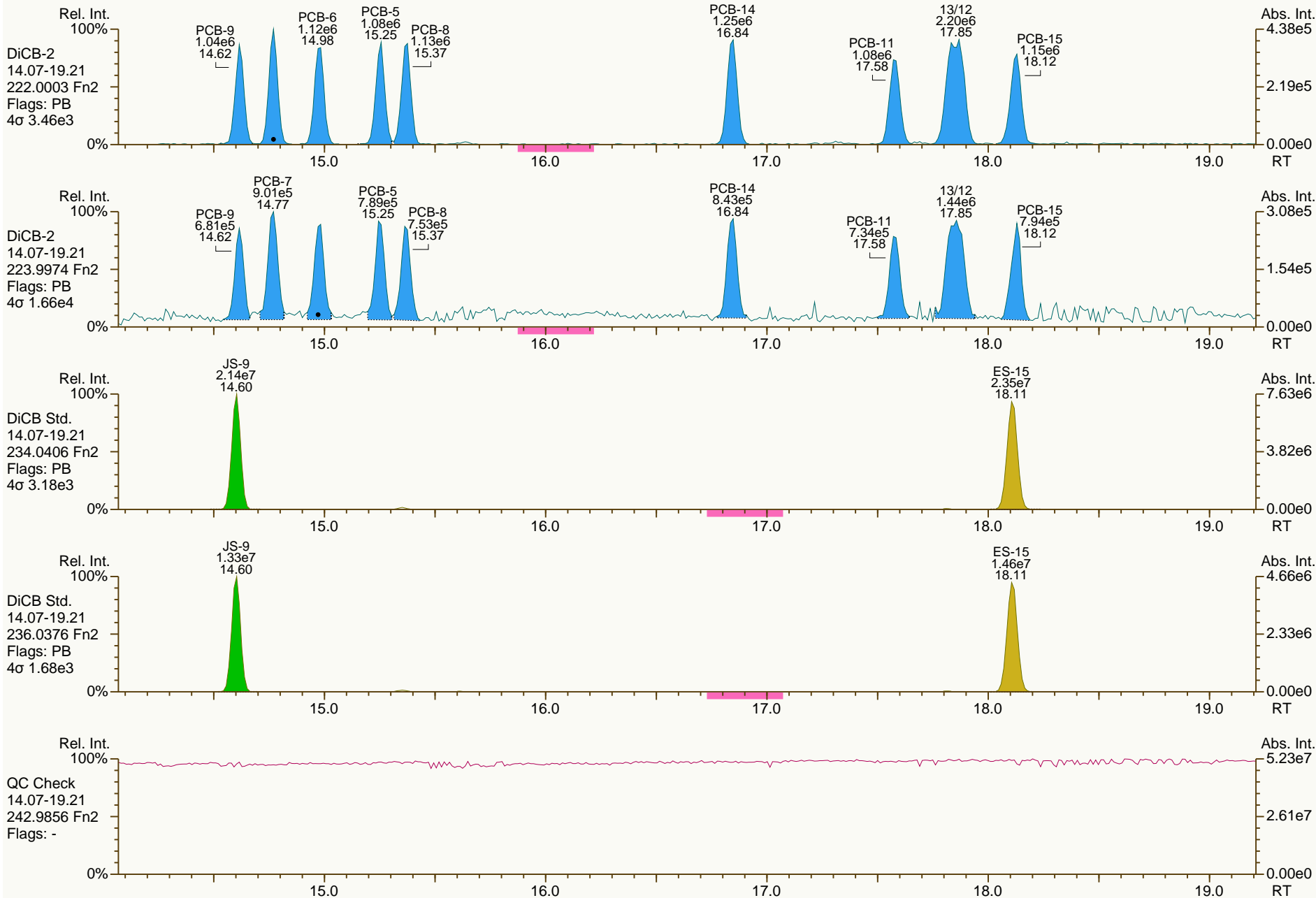
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

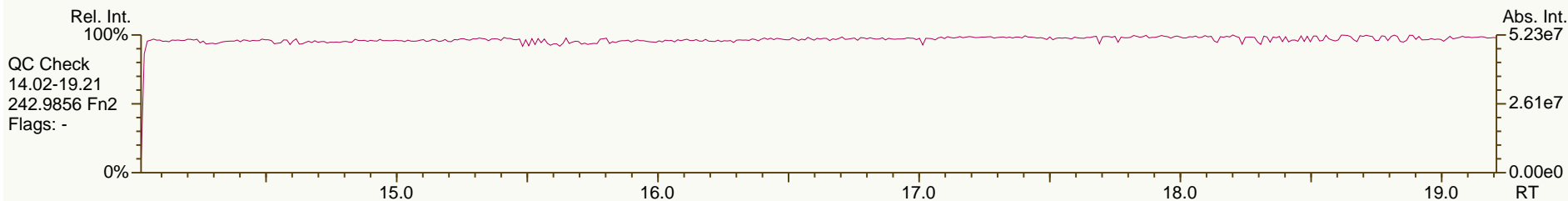
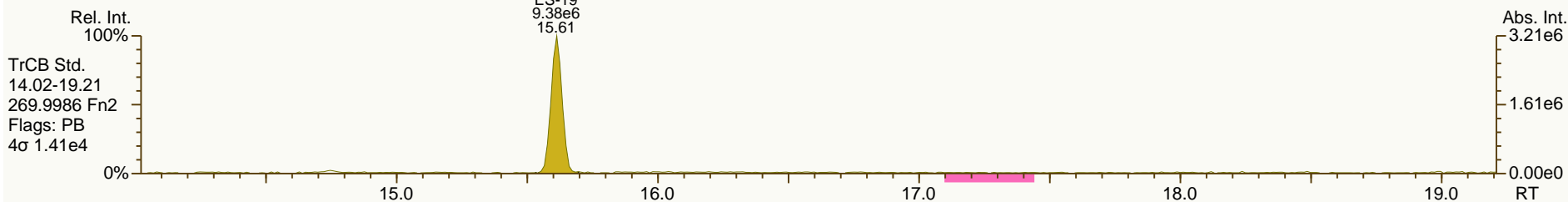
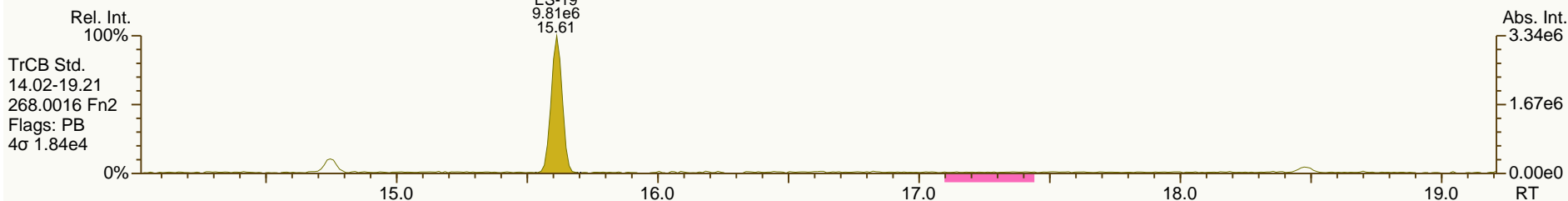
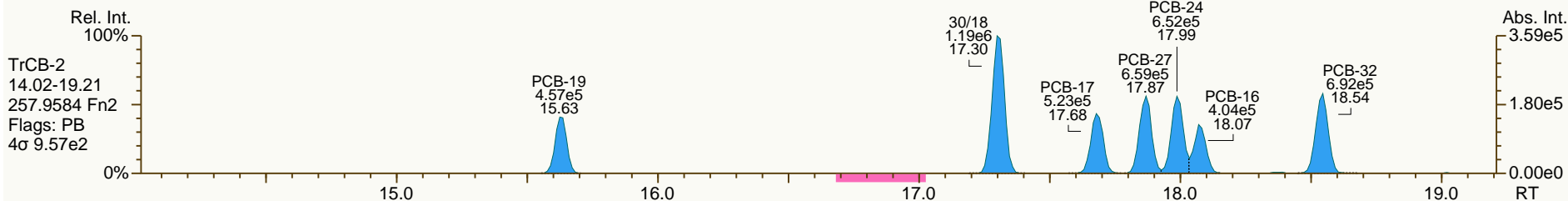
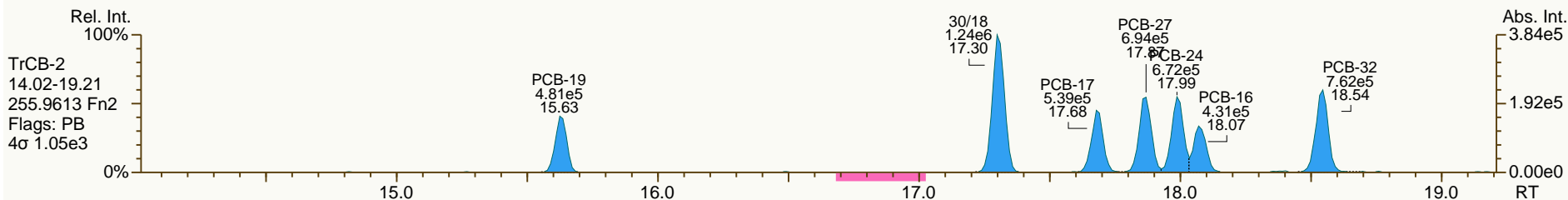
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

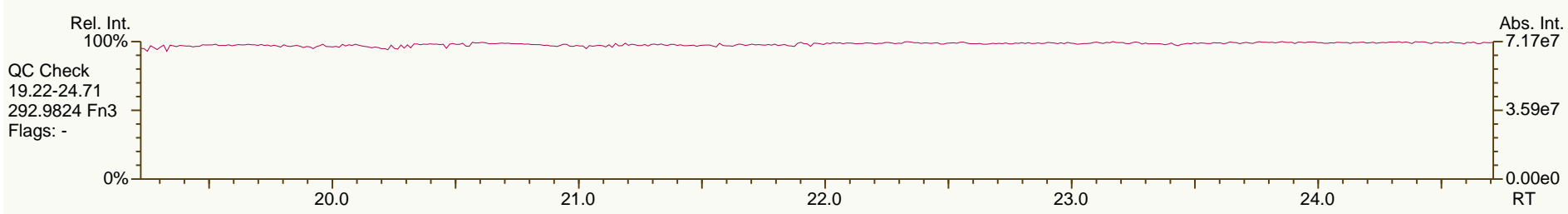
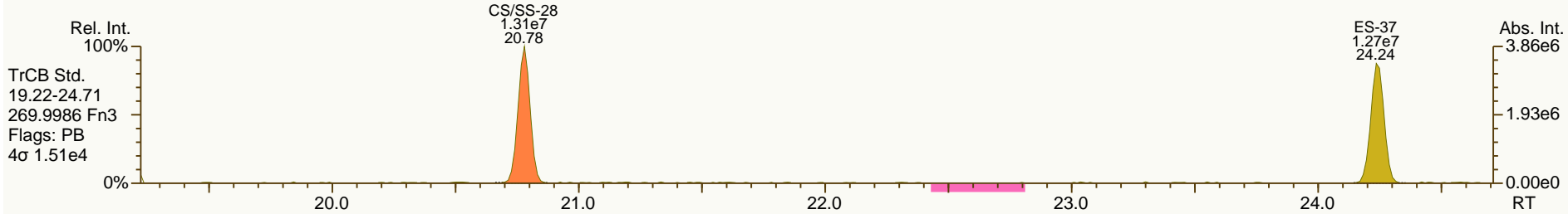
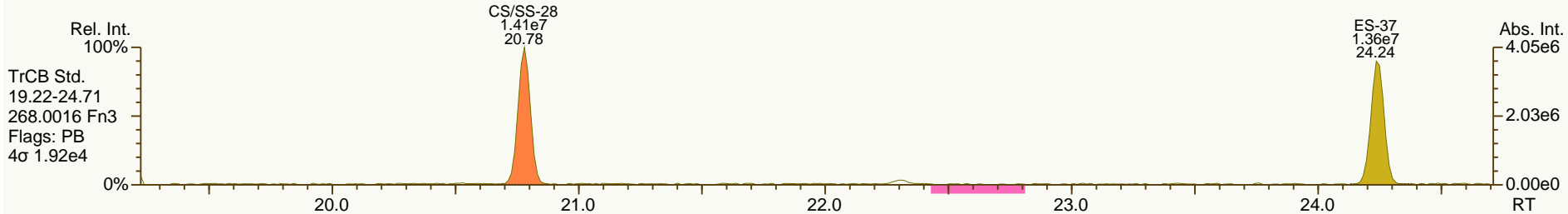
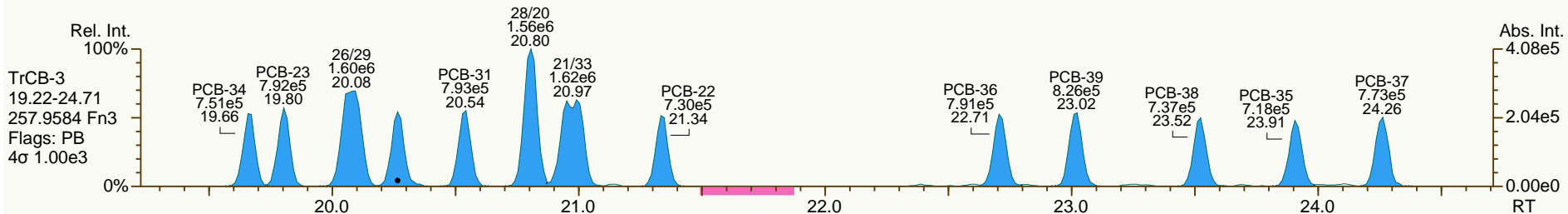
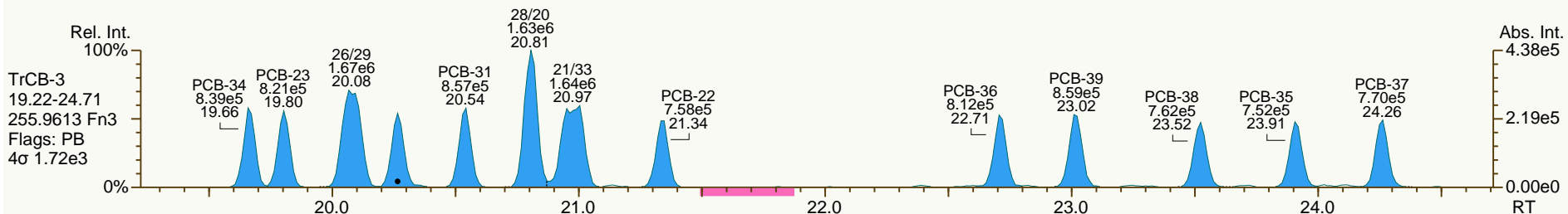
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

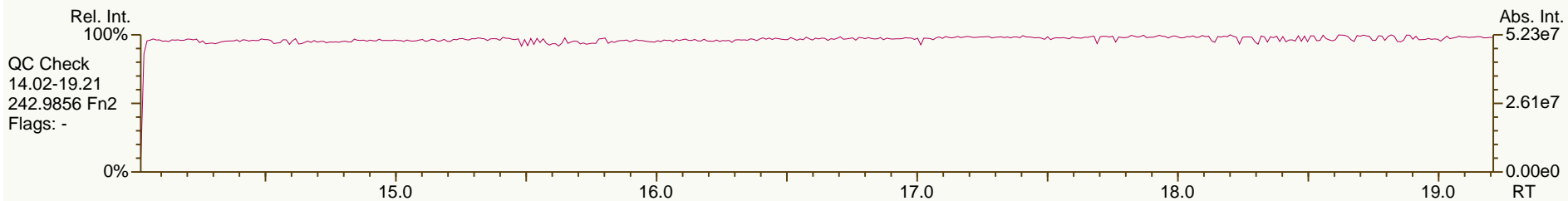
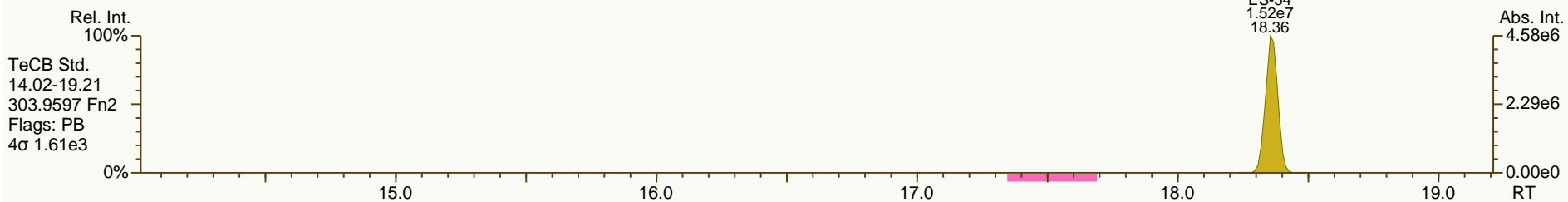
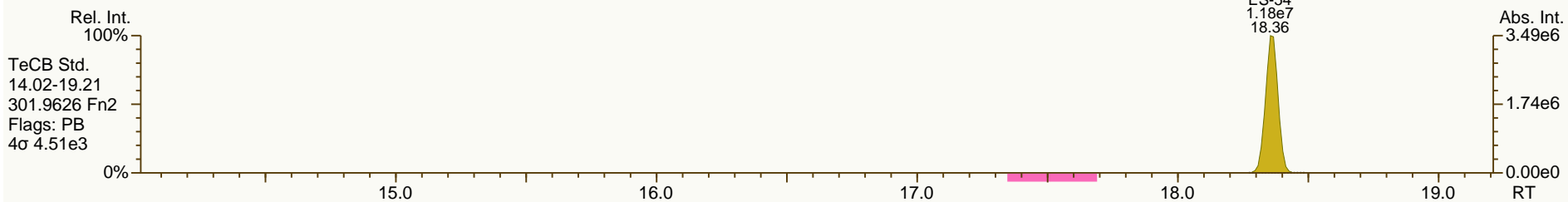
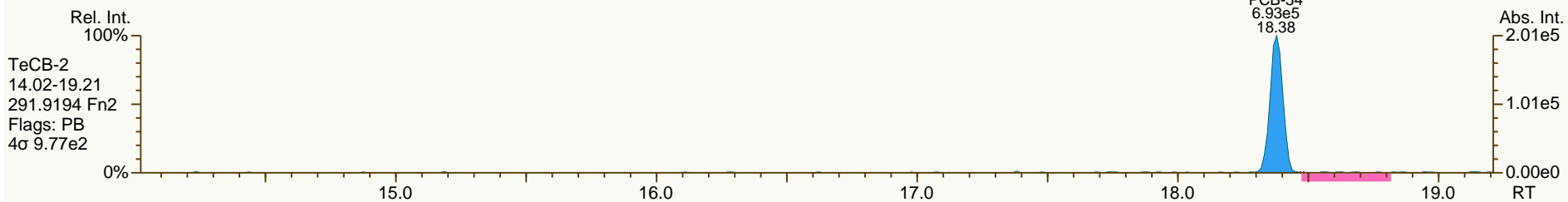
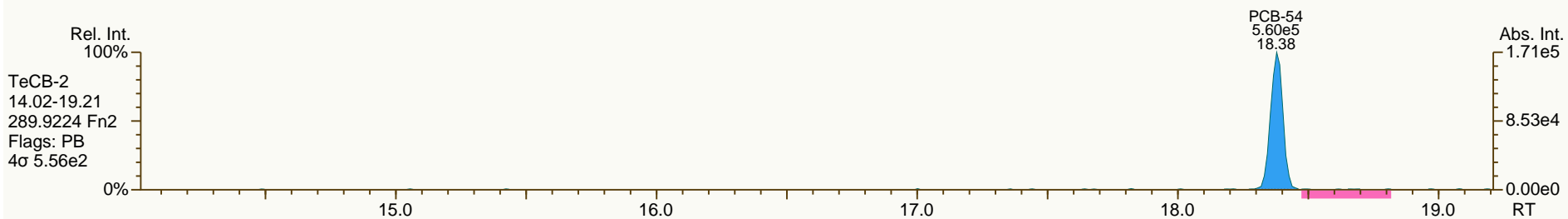
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

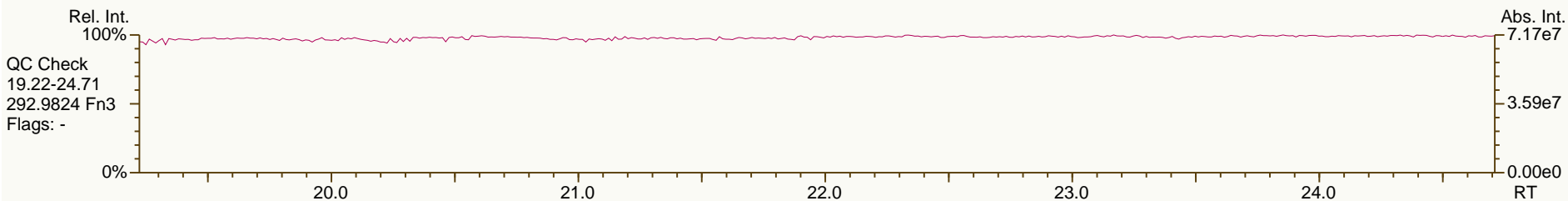
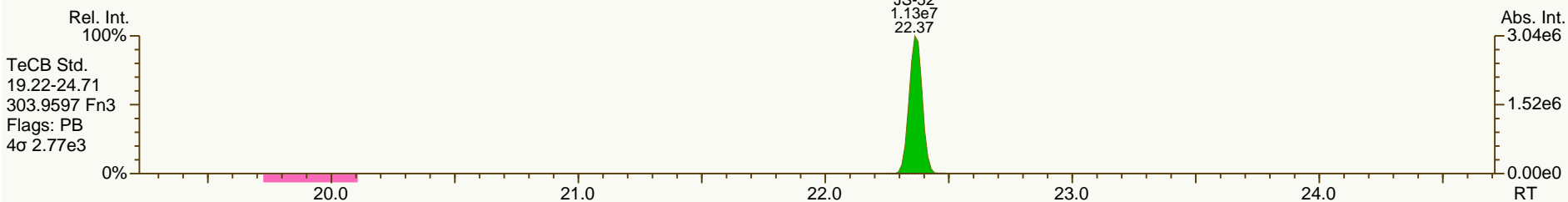
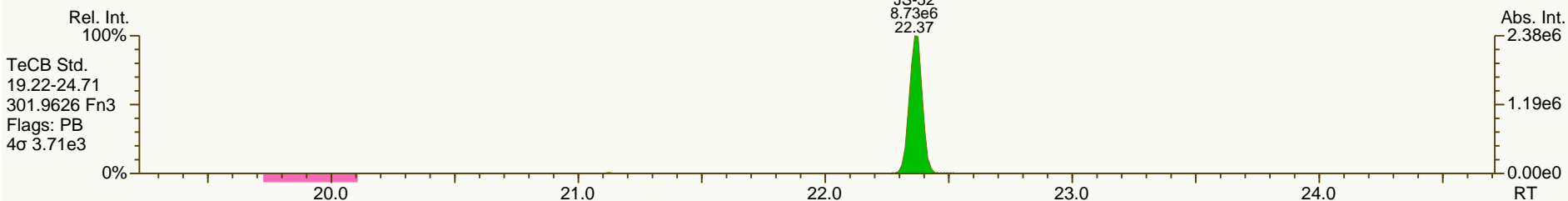
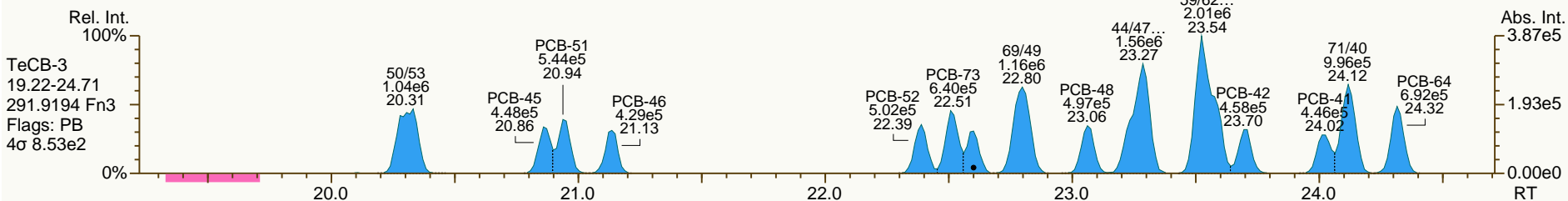
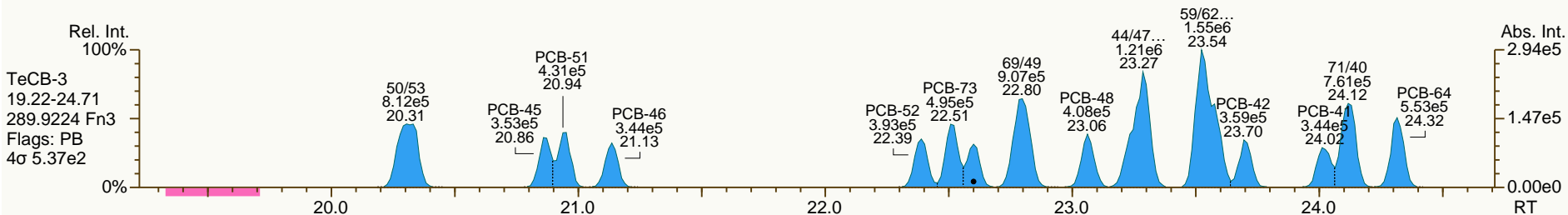
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

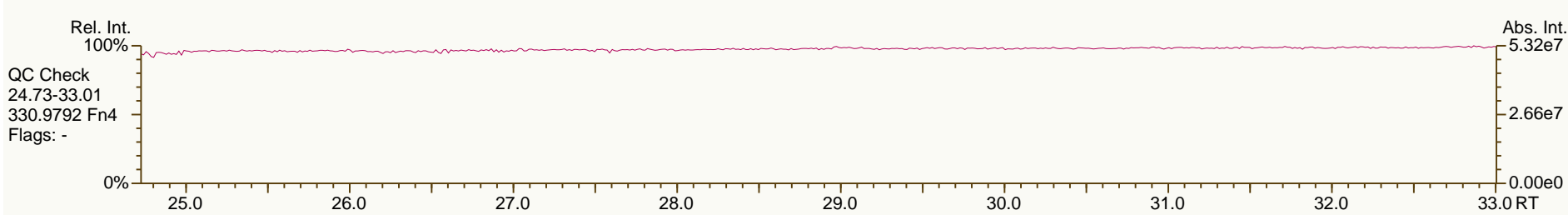
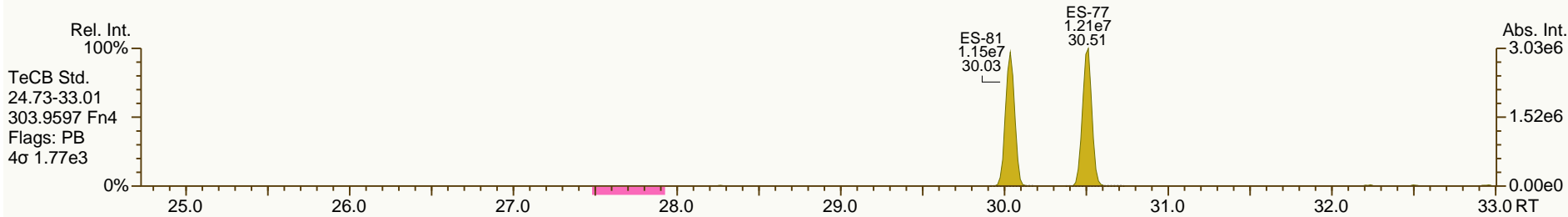
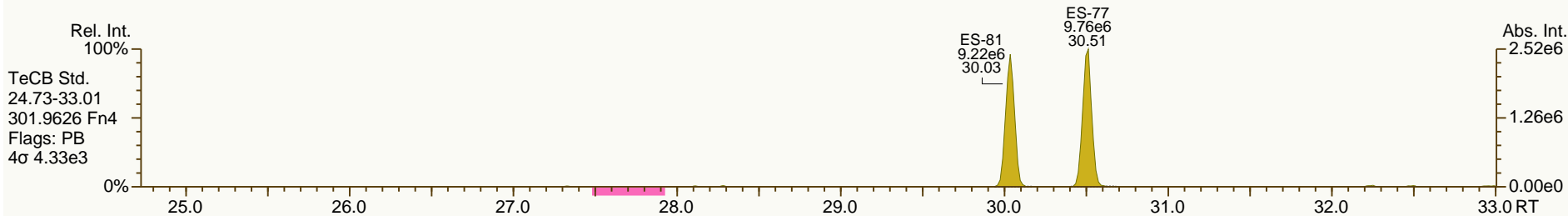
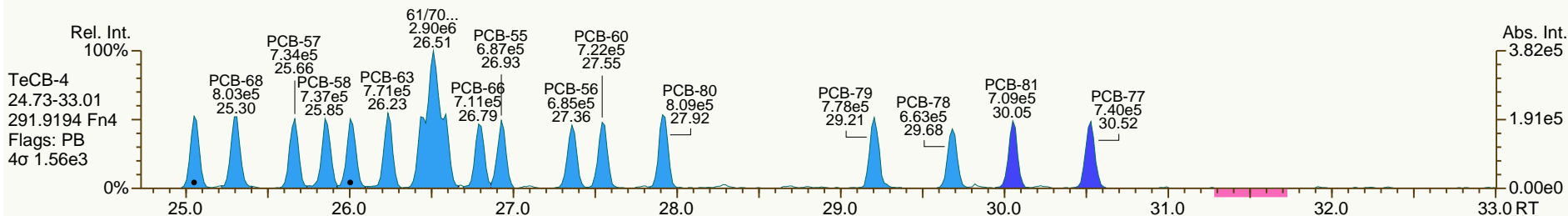
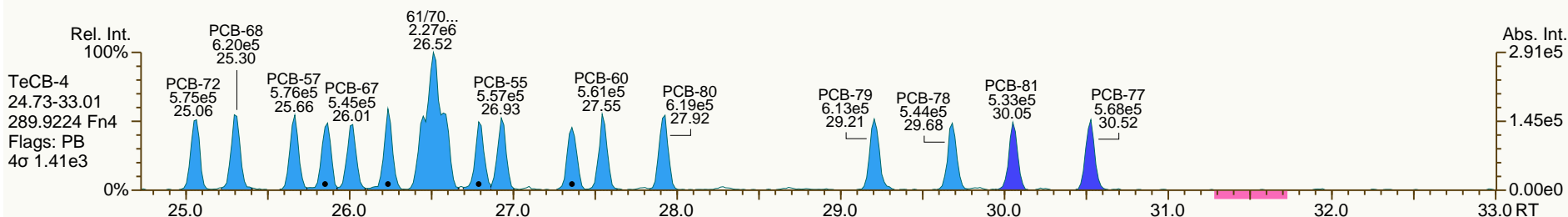
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

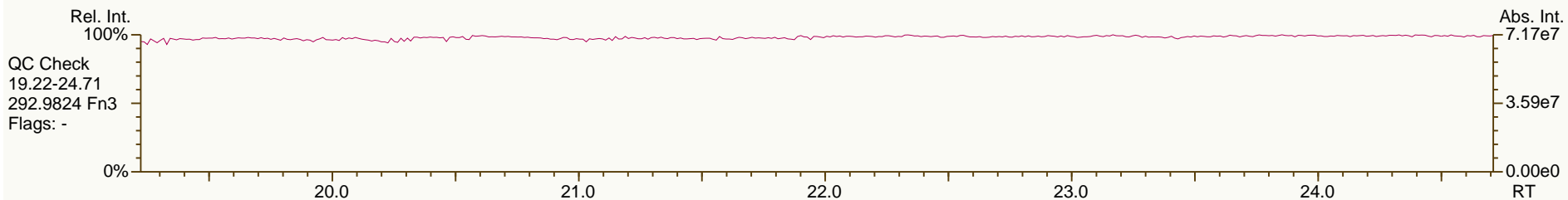
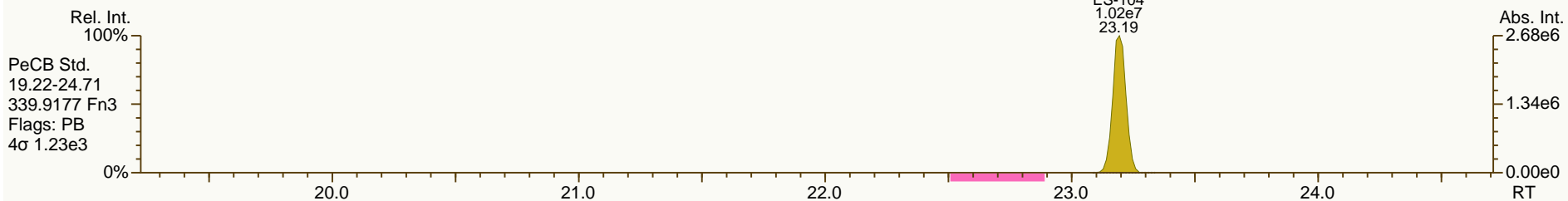
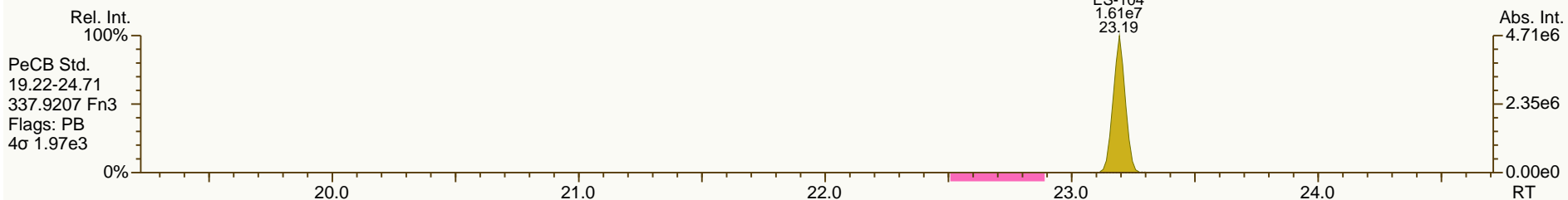
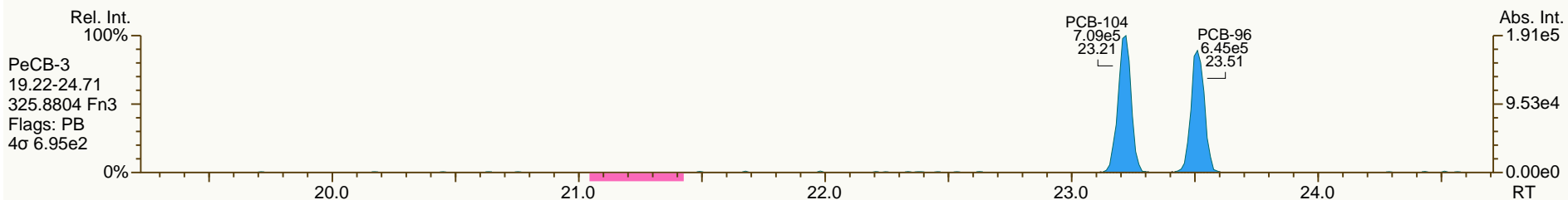
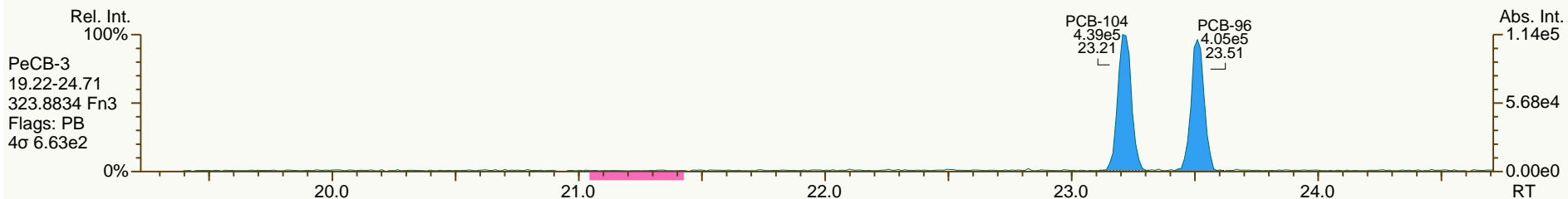
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

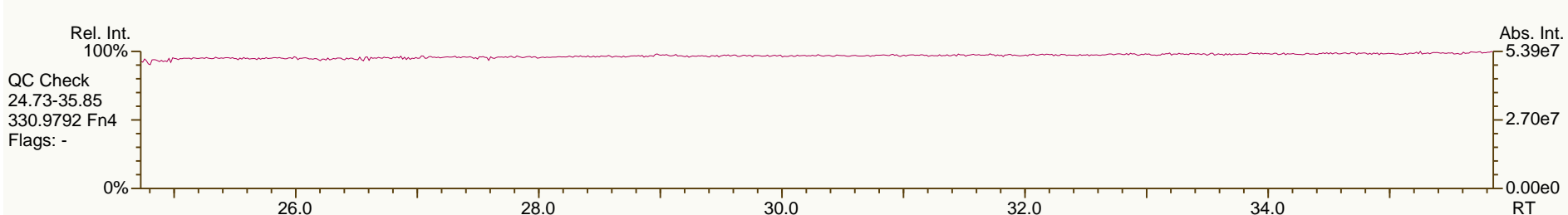
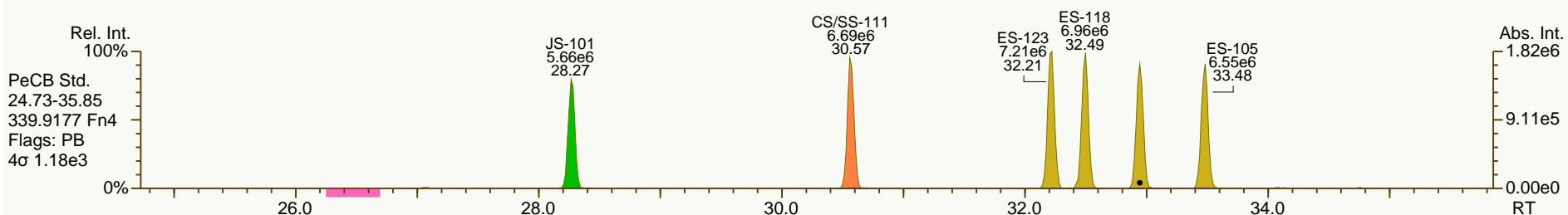
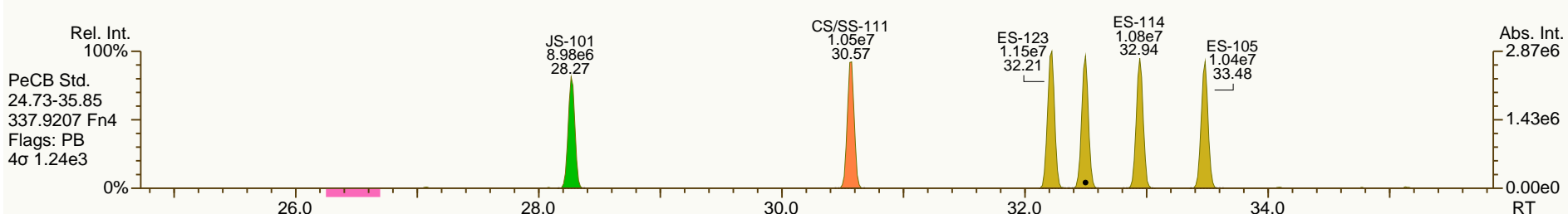
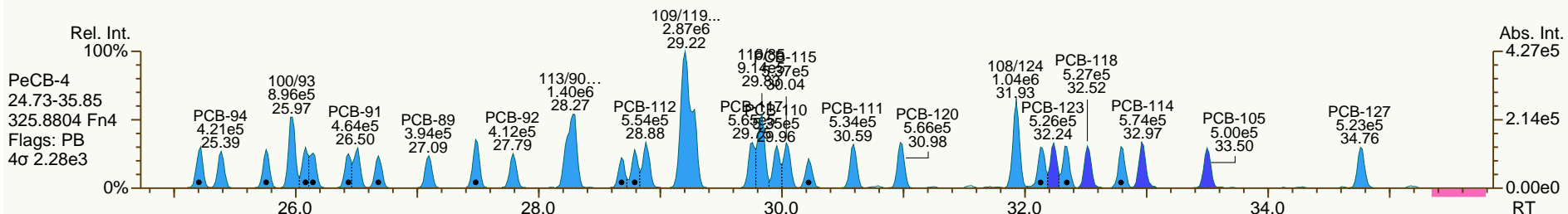
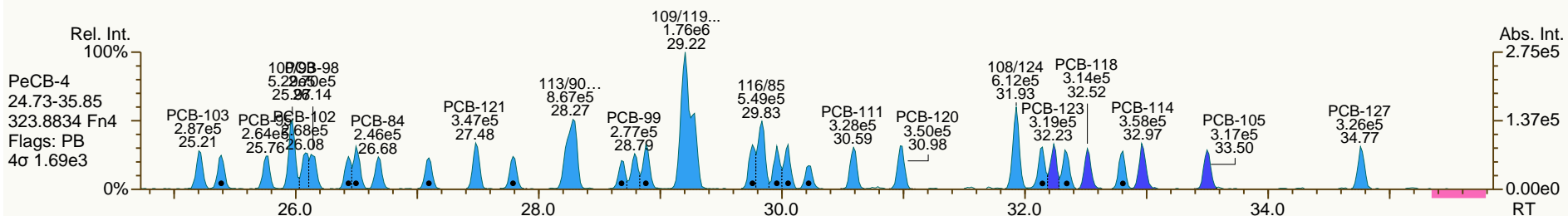
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 User: CTW Datafile: 120126S05



AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

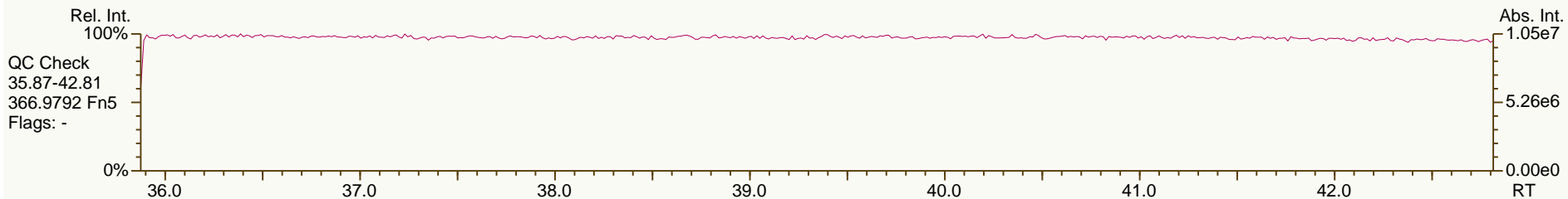
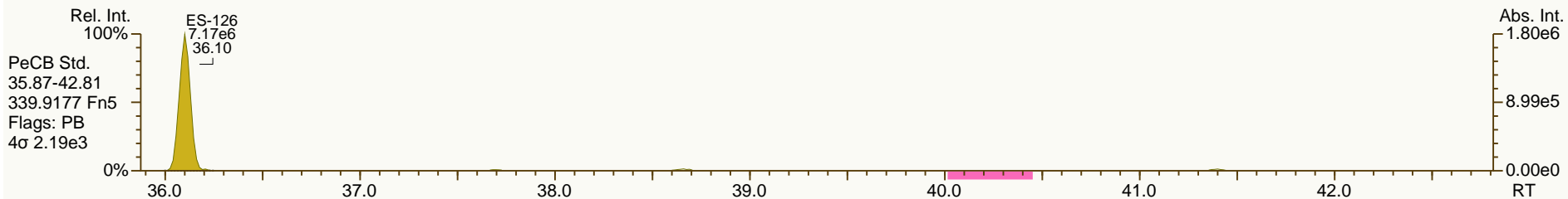
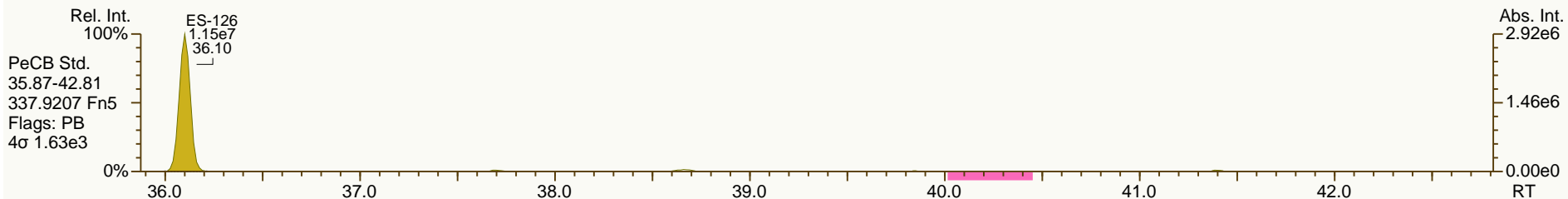
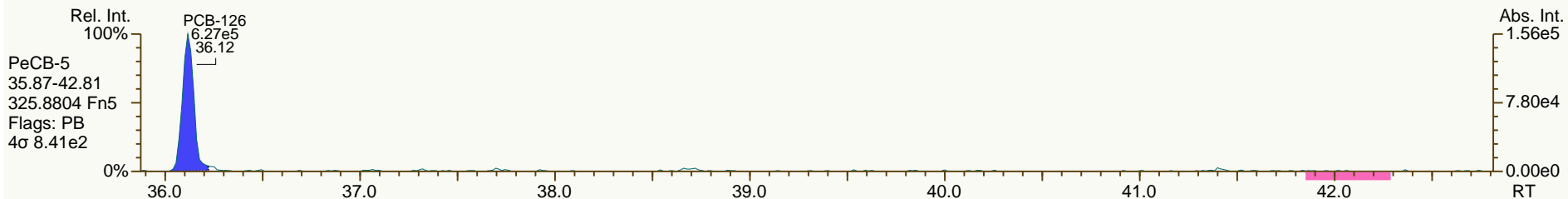
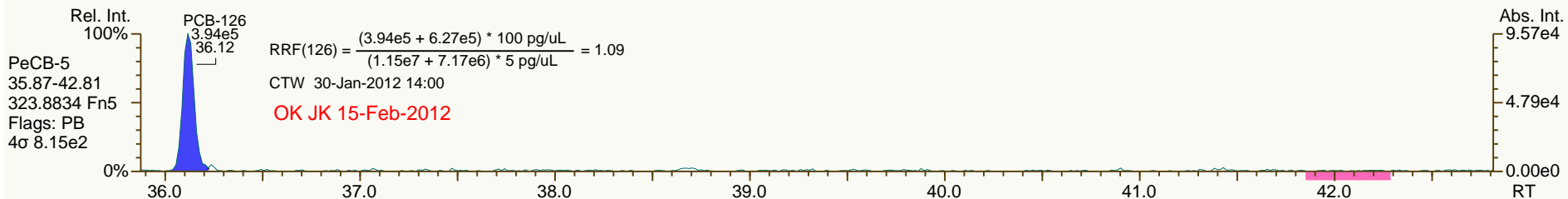
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

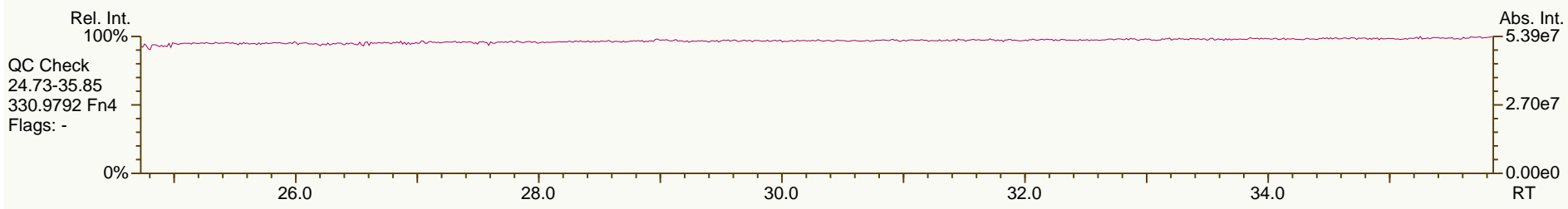
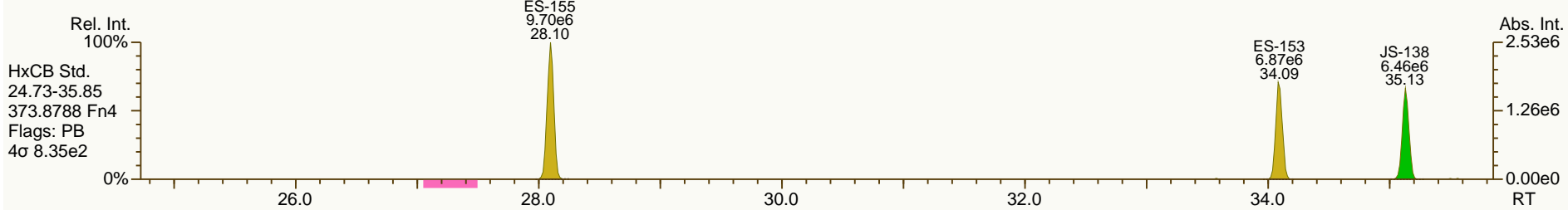
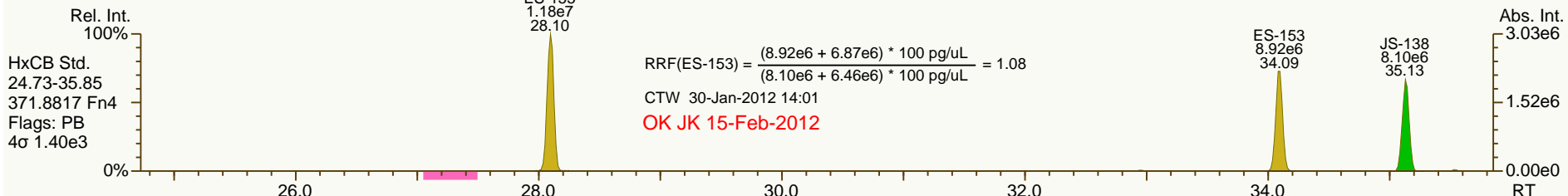
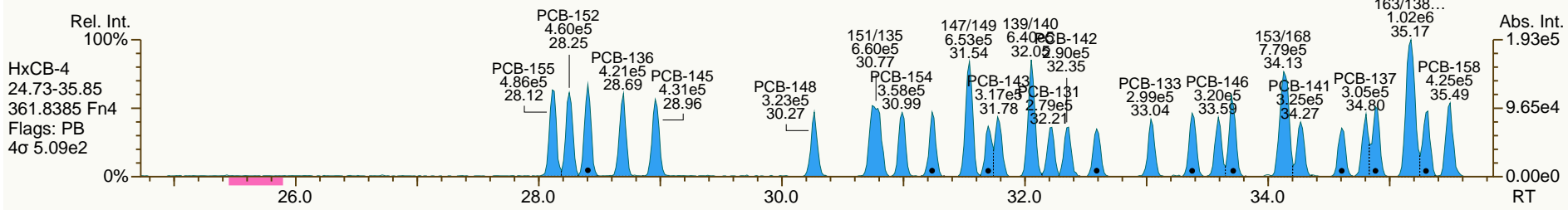
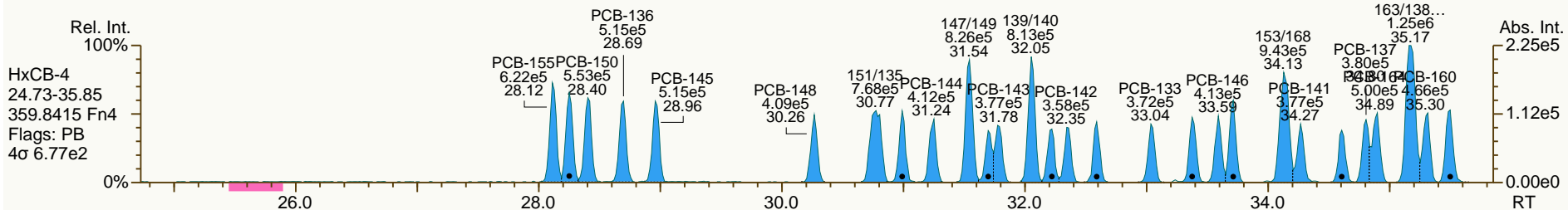
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

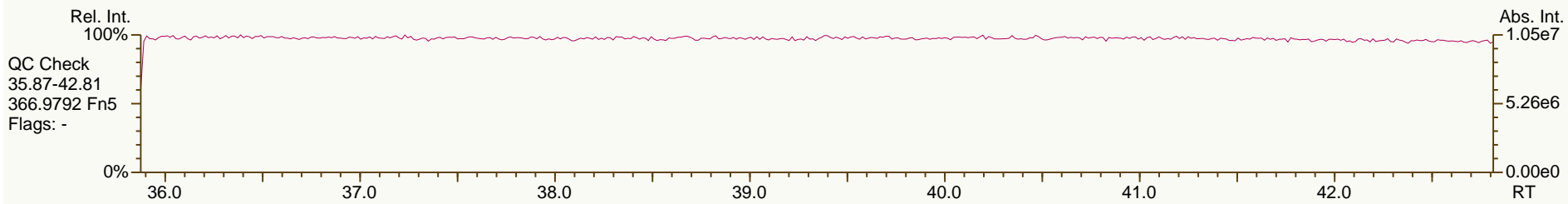
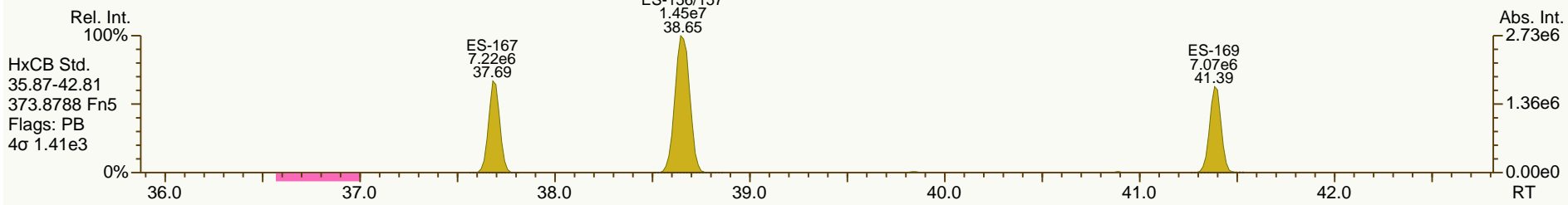
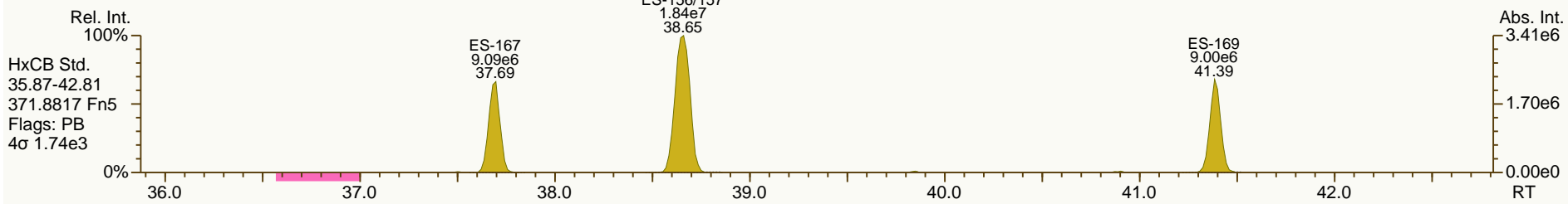
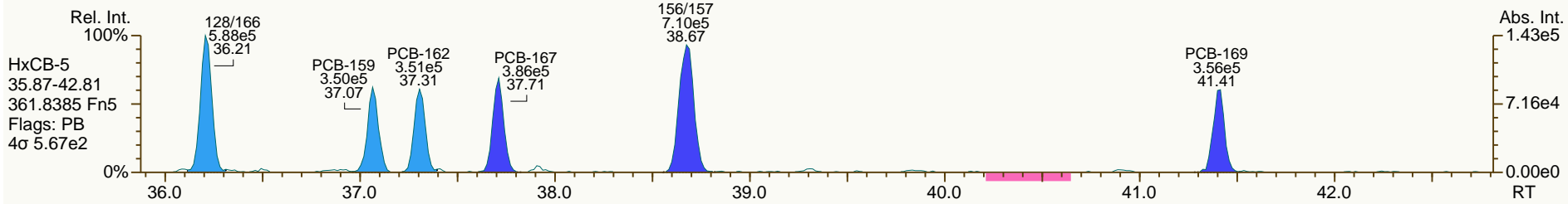
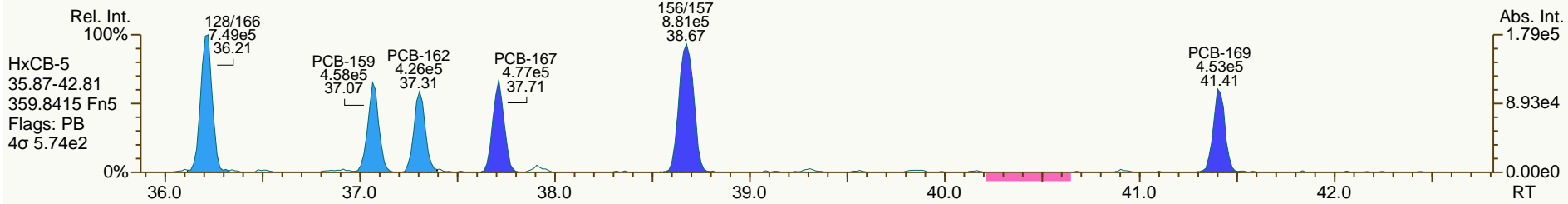
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

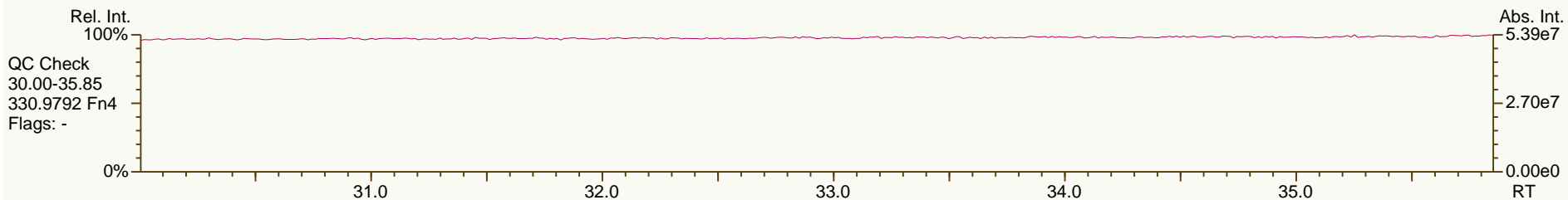
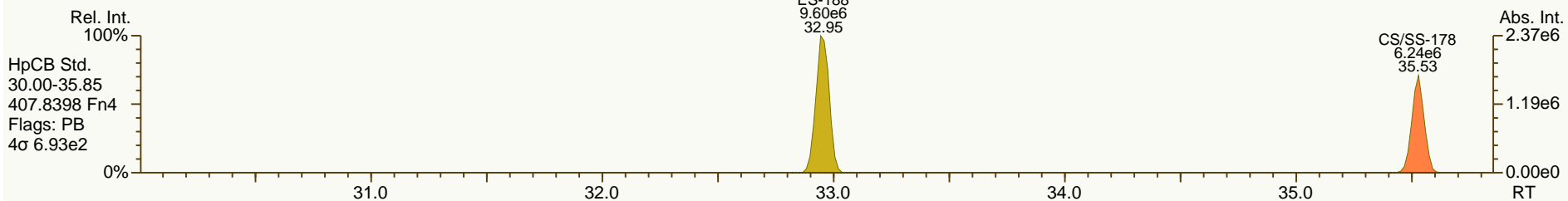
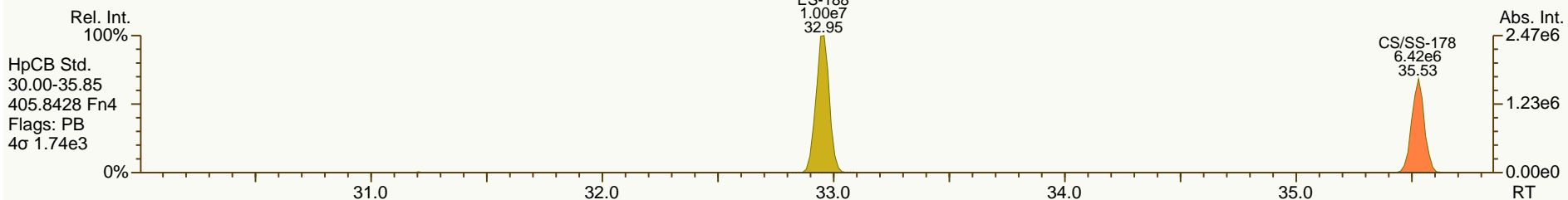
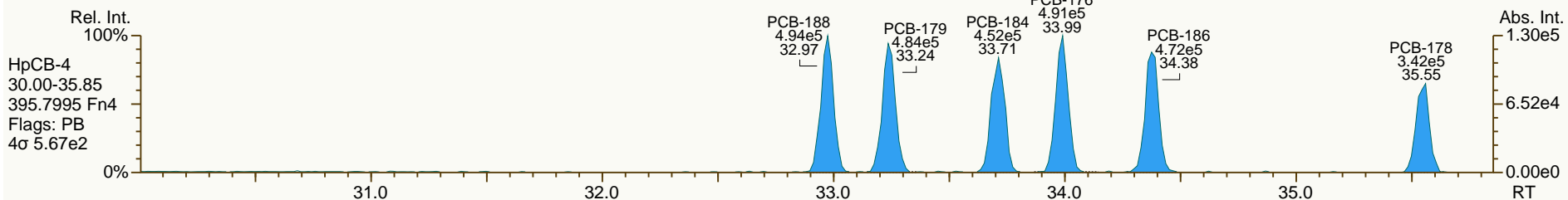
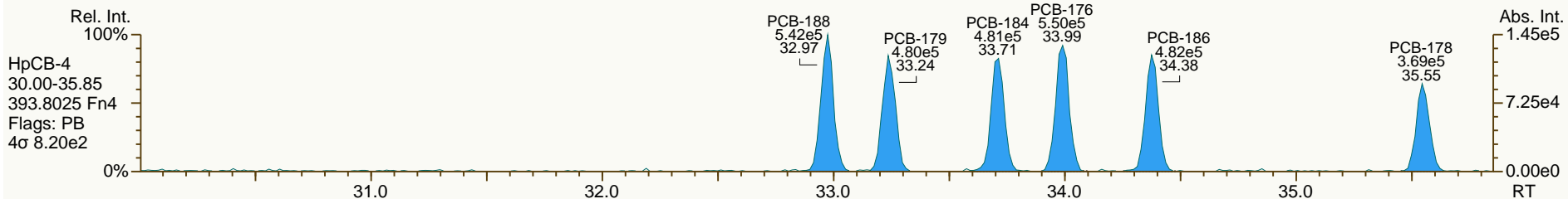
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

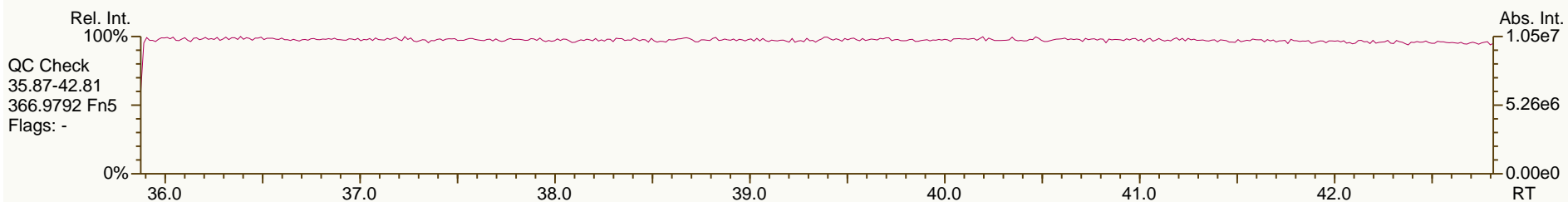
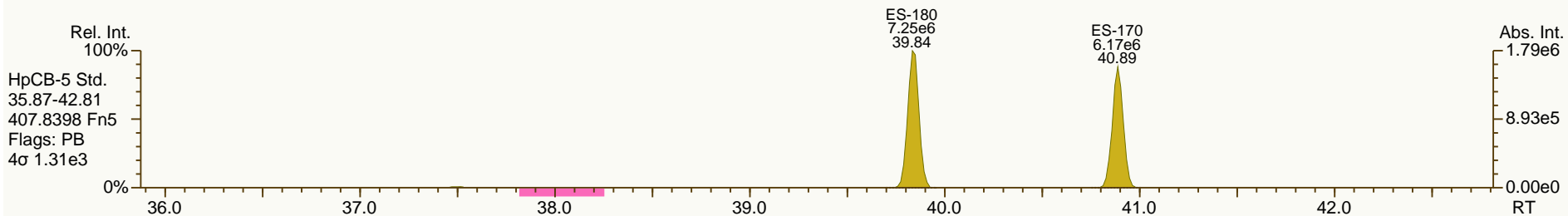
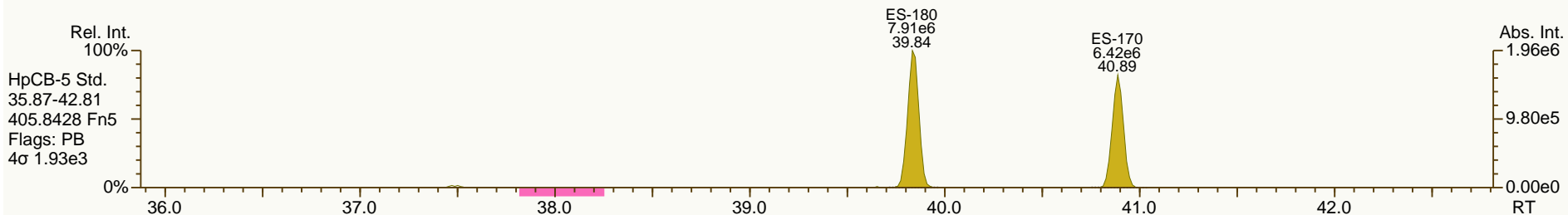
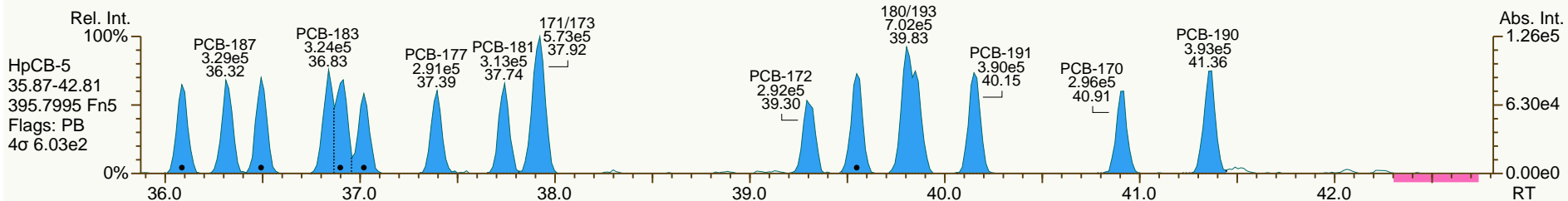
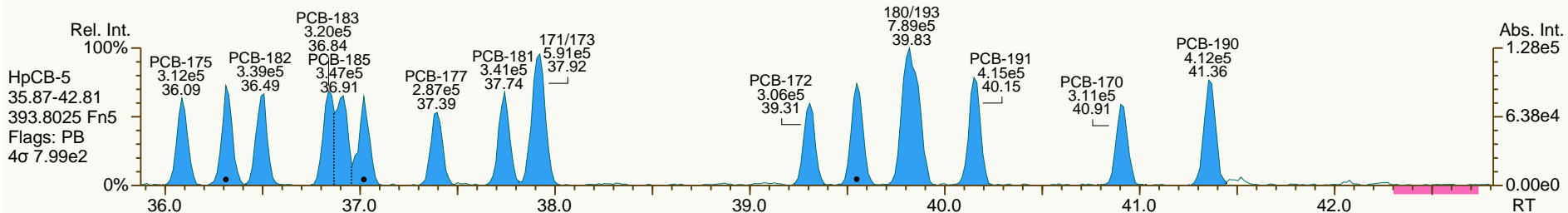
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

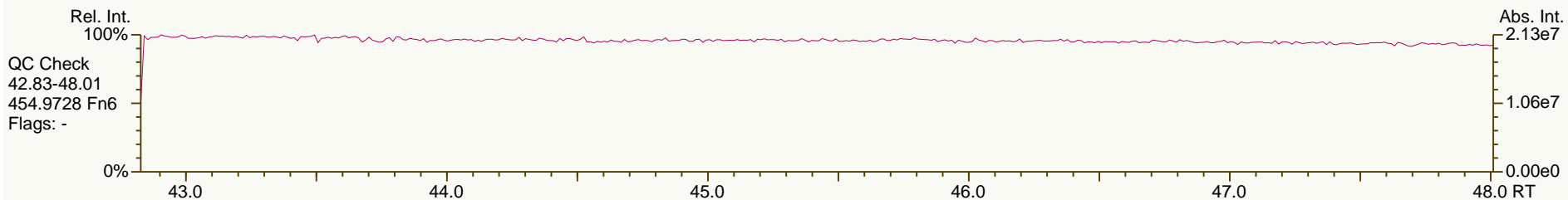
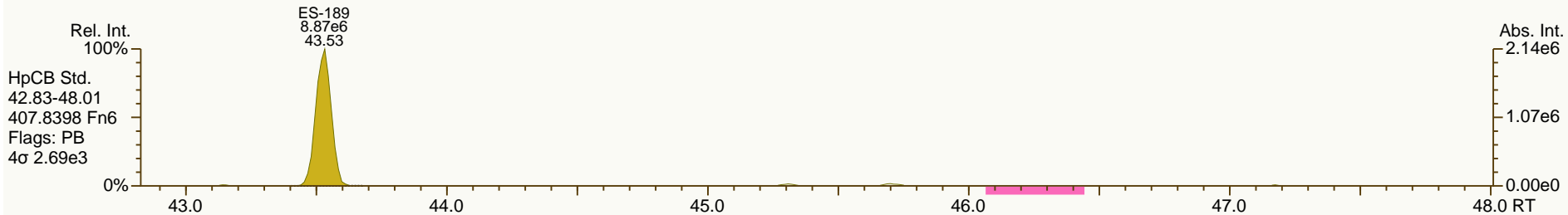
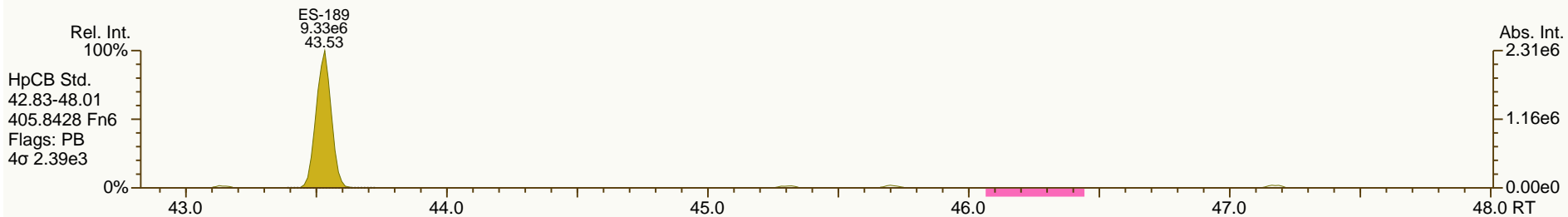
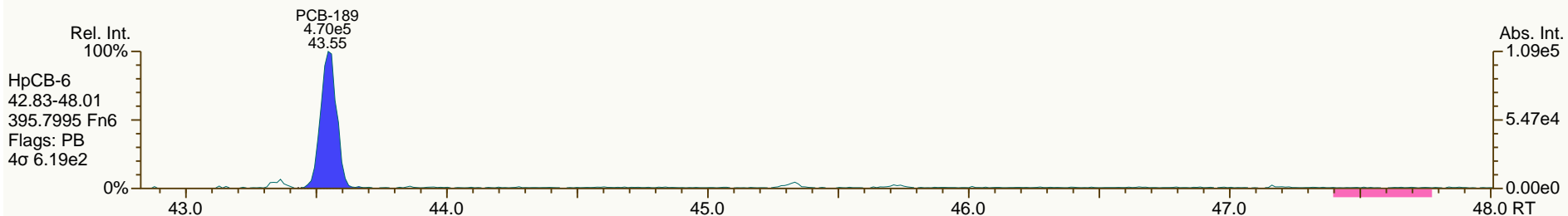
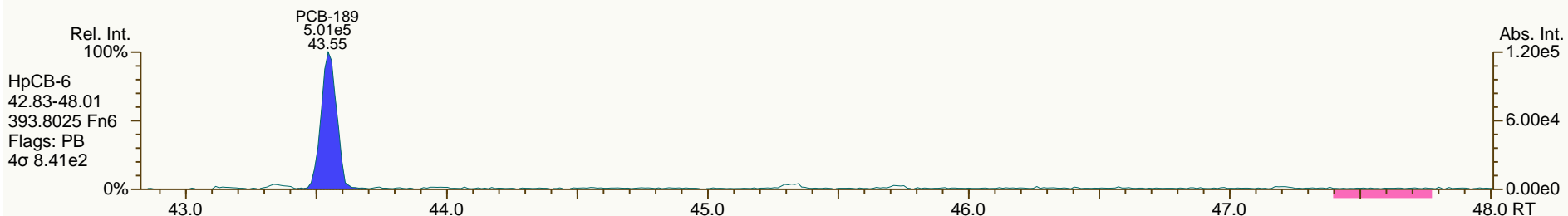
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

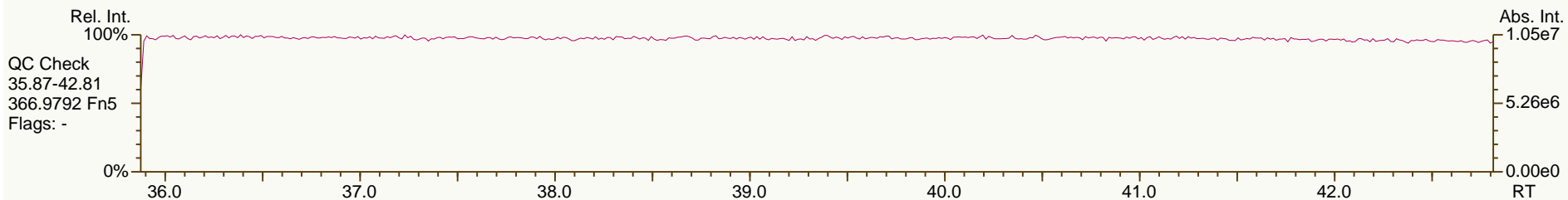
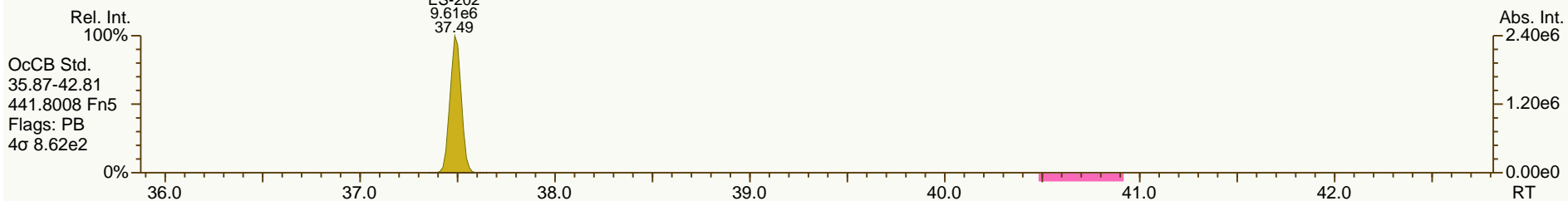
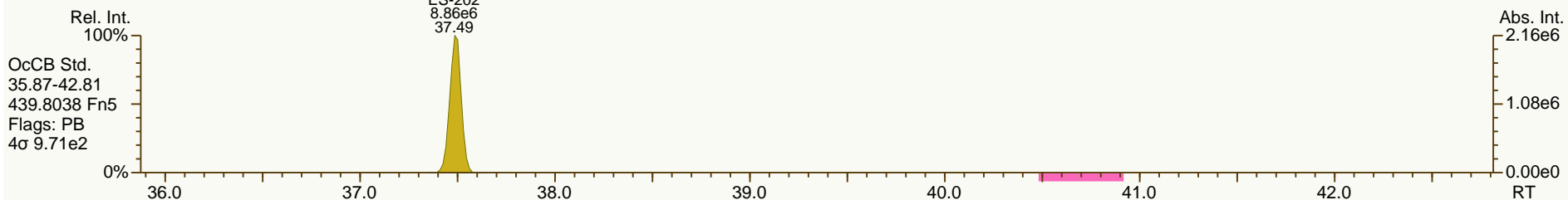
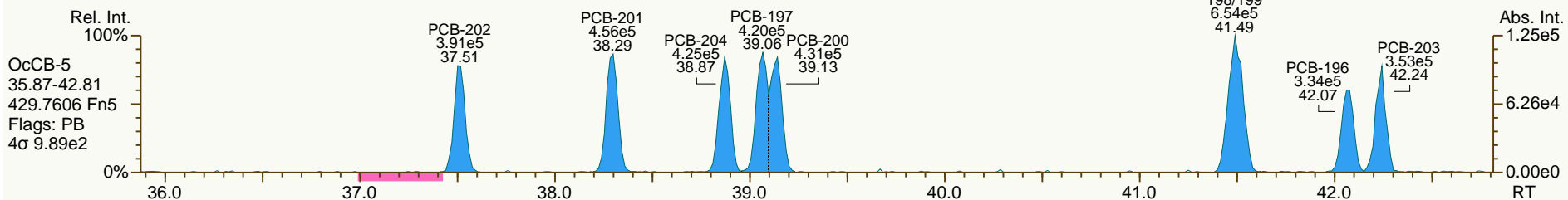
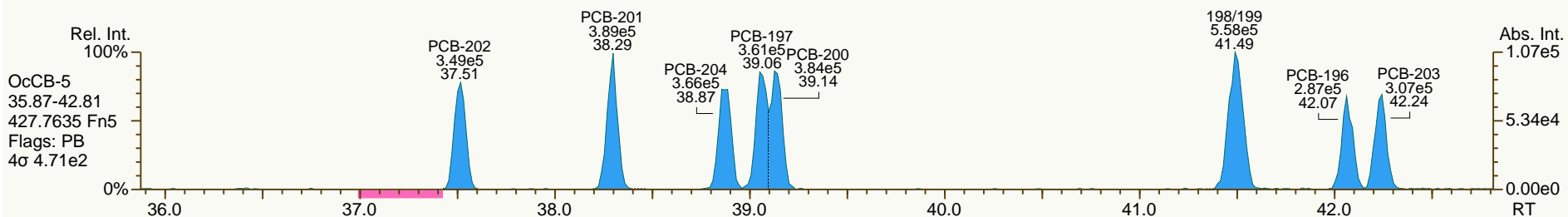
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

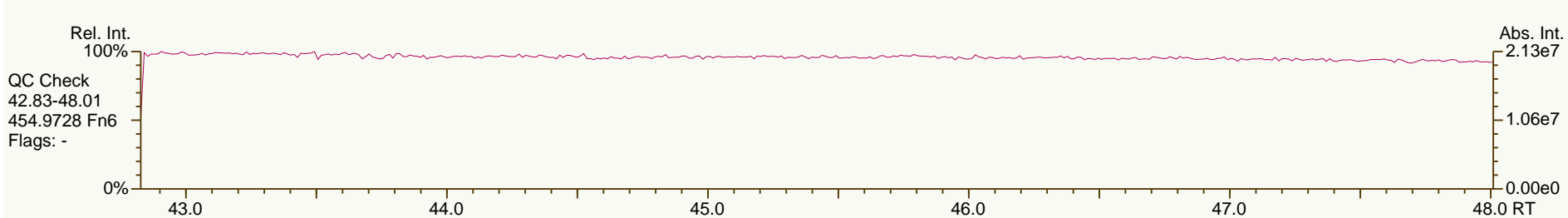
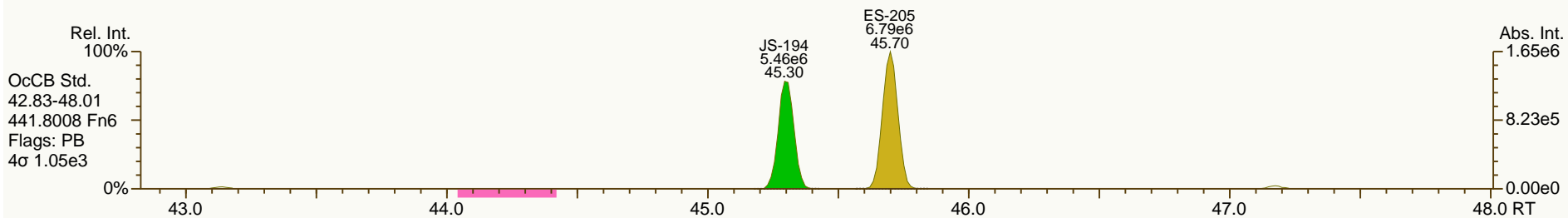
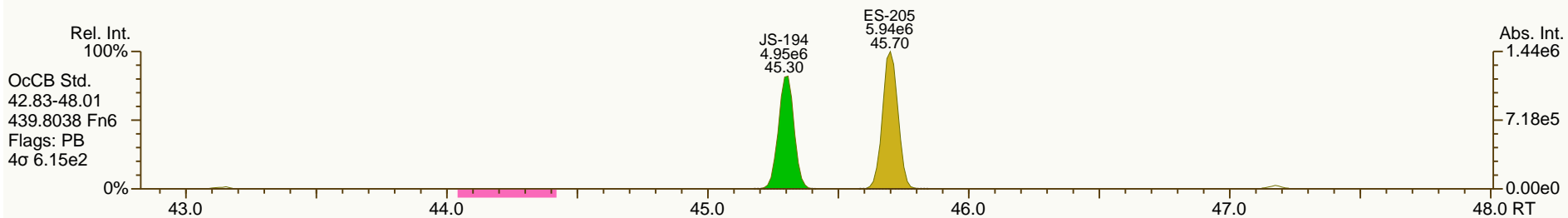
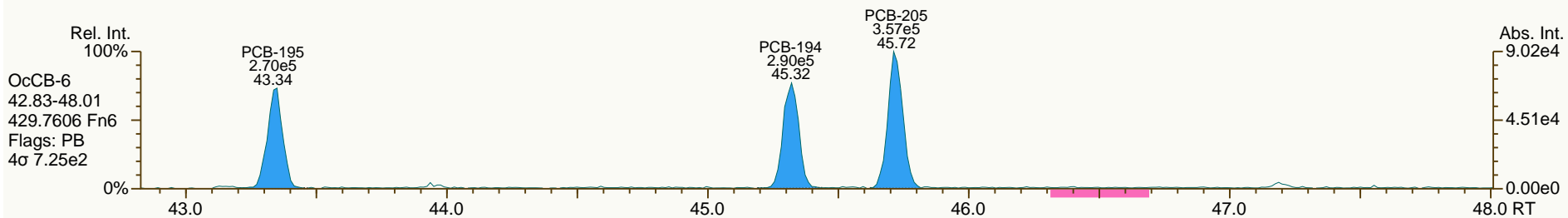
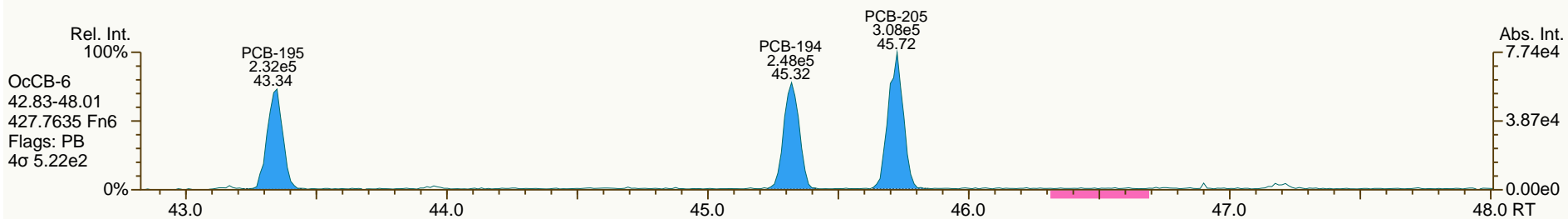
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

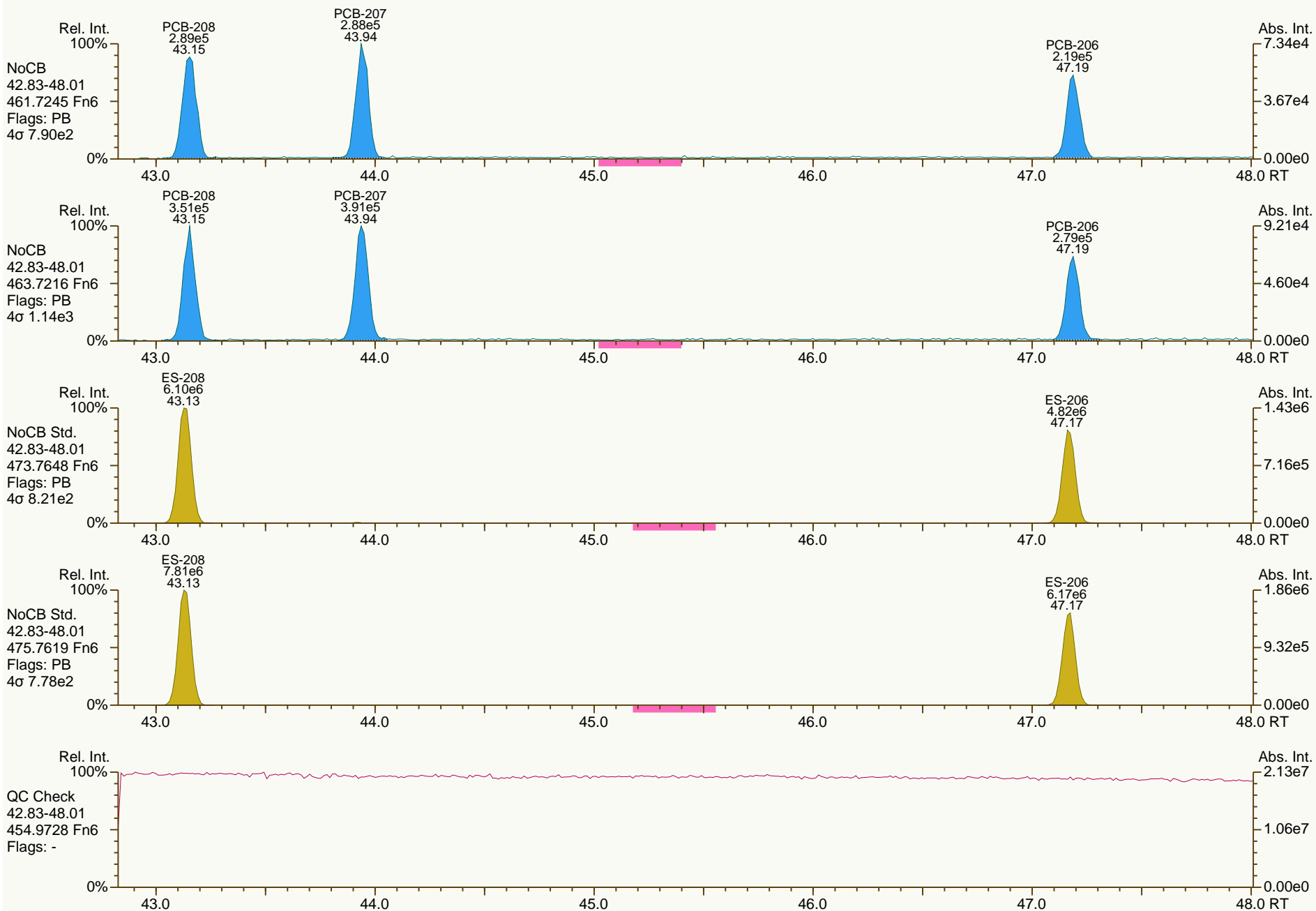
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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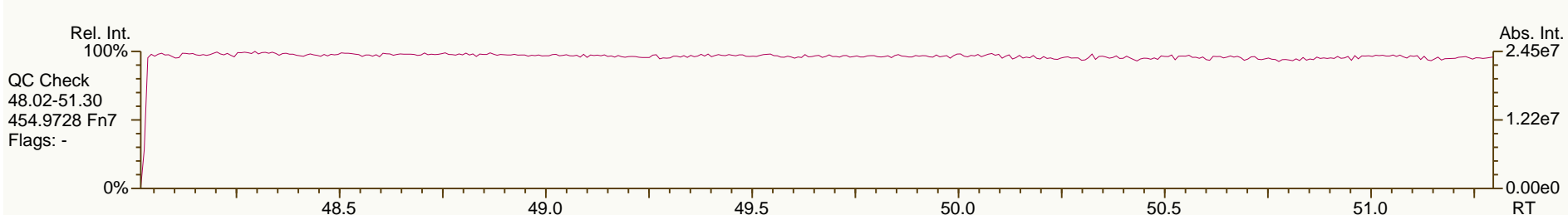
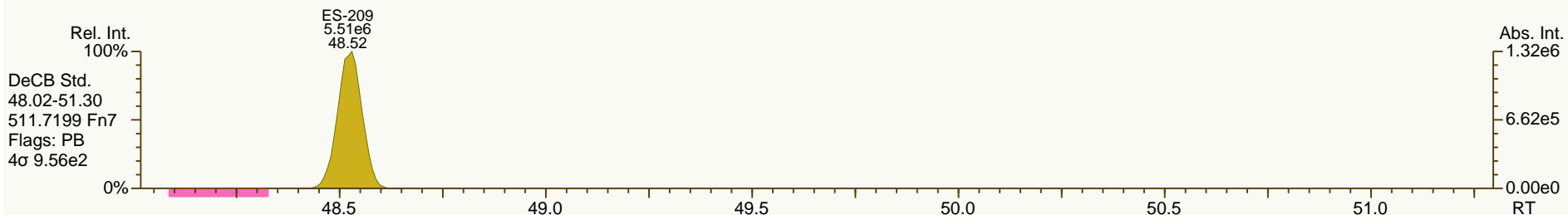
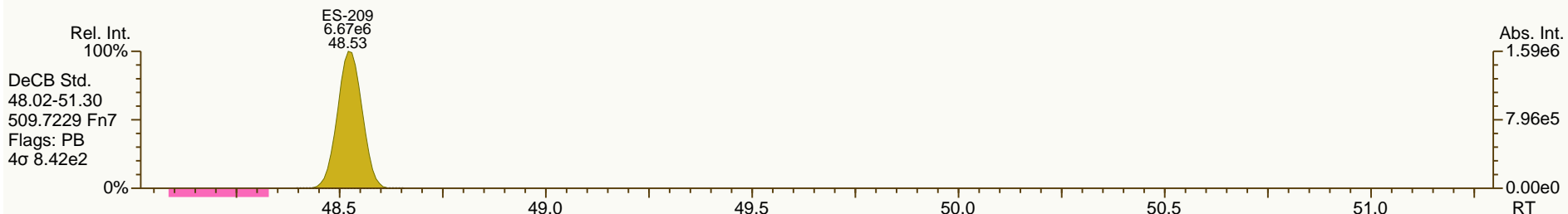
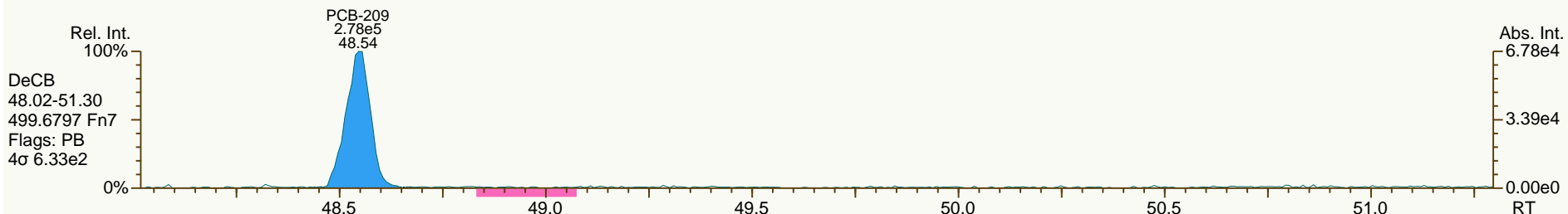
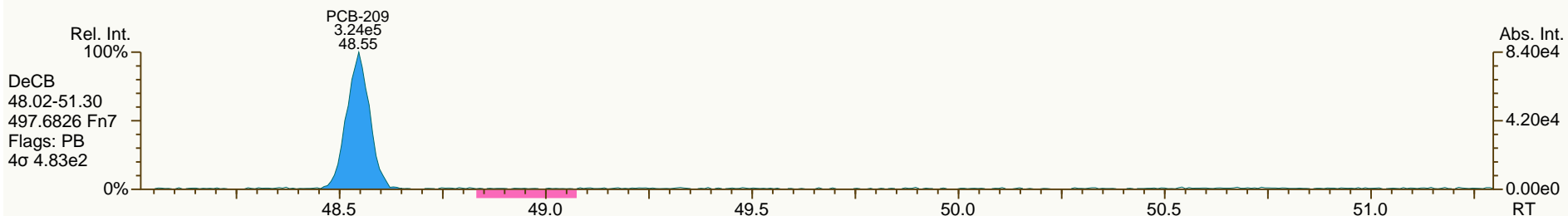
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AP Lab ID: CS2_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 22

Acq: 26-Jan-2012 17:59:45
 User: CTW Datafile: 120126S05



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 18:54							
Datafile:	120126S06							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.50E+07	0.78 Y	1.22	1.23	0.1%		
PCB-81 344'5'-TeCB	30.04	1.46E+07	0.77 Y	1.24	1.29	3.4%		
PCB-105 233'44'-PeCB	33.49	1.02E+07	0.60 Y	1.03	1.09	6.0%		
PCB-114 2344'5'-PeCB	32.95	1.10E+07	0.61 Y	1.10	1.16	5.5%		
PCB-118 23'44'5'-PeCB	32.51	1.05E+07	0.63 Y	1.03	1.09	5.8%		
PCB-123 2'344'5'-PeCB	32.22	1.02E+07	0.61 Y	0.93	0.98	5.5%		
PCB-126 33'44'5'-PeCB	36.11	1.19E+07	0.61 Y	1.11	1.11	0.0%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.96E+07	1.24 Y	1.05	1.06	1.7%		
PCB-167 23'44'55'-HxCB	37.70	1.01E+07	1.25 Y	1.08	1.10	2.1%		
PCB-169 33'44'55'-HxCB	41.40	9.87E+06	1.25 Y	1.04	1.09	4.2%		
PCB-189 233'44'55'-HpCB	43.53	1.16E+07	1.04 Y	1.11	1.14	2.8%		
PCB-209 DeCB	48.53	7.18E+06	1.15 Y	1.05	1.04	-1.2%		
ES PCB-1	10.48	3.32E+07	3.17 Y	1.01	1.00	-0.9%		
ES PCB-3	12.53	3.43E+07	3.23 Y	1.05	1.04	-1.3%		
ES PCB-4	12.76	2.29E+07	1.57 Y	0.70	0.69	-0.7%		
ES PCB-15	18.10	3.83E+07	1.62 Y	1.17	1.16	-1.0%		
ES PCB-19	15.60	1.87E+07	1.06 Y	0.57	0.57	-0.1%		
ES PCB-37	24.23	2.83E+07	1.08 Y	1.41	1.39	-1.3%		
ES PCB-54	18.35	2.64E+07	0.78 Y	1.32	1.30	-1.8%		
ES PCB-77	30.49	2.44E+07	0.80 Y	1.22	1.20	-1.3%		
ES PCB-81	30.02	2.27E+07	0.78 Y	1.15	1.12	-2.9%		
ES PCB-104	23.18	2.65E+07	1.53 Y	1.69	1.66	-1.7%		
ES PCB-105	33.47	1.88E+07	1.64 Y	1.21	1.17	-2.7%		
ES PCB-114	32.93	1.90E+07	1.61 Y	1.23	1.19	-3.3%		
ES PCB-118	32.48	1.91E+07	1.56 Y	1.25	1.20	-3.9%		
ES PCB-123	32.20	2.09E+07	1.57 Y	1.33	1.31	-1.4%		
ES PCB-126	36.09	2.13E+07	1.62 Y	1.36	1.34	-1.6%		
ES PCB-153	34.08	1.79E+07	1.28 Y	1.09	1.09	0.1%		
ES PCB-155	28.08	2.31E+07	1.23 Y	1.40	1.41	0.1%		
ES PCB-156/157	38.64	3.68E+07	1.29 Y	1.13	1.12	-1.0%		
ES PCB-167	37.67	1.83E+07	1.23 Y	1.13	1.11	-1.6%		
ES PCB-169	41.38	1.81E+07	1.26 Y	1.14	1.10	-3.4%		
ES PCB-170	40.87	1.43E+07	1.05 Y	1.23	1.21	-1.7%		
ES PCB-180	39.82	1.72E+07	1.08 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.26E+07	1.08 Y	1.34	1.37	2.4%		
ES PCB-189	43.51	2.03E+07	1.06 Y	1.77	1.72	-2.7%		
ES PCB-202	37.48	2.10E+07	0.91 Y	1.27	1.28	0.4%		
ES PCB-205	45.69	1.45E+07	0.90 Y	1.25	1.23	-1.9%		
ES PCB-206	47.15	1.25E+07	0.78 Y	1.07	1.06	-1.0%		
ES PCB-208	43.12	1.57E+07	0.77 Y	1.34	1.33	-0.9%		
ES PCB-209	48.51	1.38E+07	1.18 Y	1.18	1.17	-1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	2.76E+07	1.08 Y	0.98	0.98	-0.5%	
SS PCB-111	30.55	1.94E+07	1.57 Y	0.90	0.93	3.3%	
SS PCB-178	35.51	1.46E+07	1.08 Y	0.65	0.65	0.2%	
CS PCB-28	20.77	2.76E+07	1.08 Y	1.39	1.36	-1.7%	
CS PCB-111	30.55	1.94E+07	1.57 Y	1.19	1.21	1.8%	
CS PCB-178	35.51	1.46E+07	1.08 Y	0.87	0.89	2.6%	
JS PCB-9	14.59	3.30E+07	1.61 Y	-	-	-	
JS PCB-52	22.35	2.03E+07	0.77 Y	-	-	-	
JS PCB-101	28.26	1.60E+07	1.61 Y	-	-	-	
JS PCB-138	35.12	1.64E+07	1.26 Y	-	-	-	
JS PCB-194	45.29	1.18E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6'-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-153 22'44'55' -HxCB	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-180 22'344'55'-HpCB	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.99E+07	3.15 Y	1.20	1.20	0.2%	
PCB-2 3-MoCB	12.38	1.98E+07	3.16 Y	1.13	1.16	2.3%	
PCB-3 4-MoCB	12.55	1.94E+07	3.13 Y	1.13	1.13	-0.2%	
PCB-4 22'-DiCB	12.77	1.13E+07	1.44 Y	0.94	0.98	4.2%	
PCB-10 26-DiCB	12.94	1.67E+07	1.51 Y	1.43	1.46	2.0%	
PCB-9 25-DiCB	14.61	1.68E+07	1.50 Y	0.87	0.88	1.3%	
PCB-7 24-DiCB	14.76	1.89E+07	1.53 Y	1.00	0.99	-1.6%	
PCB-6 23'-DiCB	14.97	1.82E+07	1.52 Y	0.94	0.95	1.5%	
PCB-5 23-DiCB	15.24	1.84E+07	1.49 Y	0.92	0.96	4.5%	
PCB-8 24'-DiCB	15.36	1.88E+07	1.50 Y	0.95	0.98	3.2%	
PCB-14 35-DiCB	16.83	2.20E+07	1.50 Y	1.09	1.15	4.8%	
PCB-11 33'-DiCB	17.57	1.93E+07	1.51 Y	0.98	1.01	3.0%	
PCB-13/12 34'-/34-DiCB	17.84	3.78E+07	1.52 Y	0.97	0.99	1.7%	
PCB-15 44'-DiCB	18.11	1.96E+07	1.54 Y	1.01	1.02	1.6%	
PCB-19 22'6-TrCB	15.62	9.46E+06	1.07 Y	1.01	1.01	0.0%	
PCB-30/18 246-/22'5-TrCB	17.29	2.49E+07	1.04 Y	1.29	1.33	2.8%	
PCB-17 22'4-TrCB	17.67	1.08E+07	1.03 Y	1.14	1.15	1.6%	
PCB-27 23'6-TrCB	17.86	1.41E+07	1.04 Y	1.48	1.51	1.5%	
PCB-24 236-TrCB	17.98	1.34E+07	1.03 Y	1.43	1.43	0.0%	
PCB-16 22'3-TrCB	18.06	8.46E+06	1.07 Y	0.89	0.90	1.2%	
PCB-32 24'6-TrCB	18.53	1.48E+07	1.06 Y	1.56	1.59	1.7%	
PCB-34 2'35-TrCB	19.65	1.68E+07	1.07 Y	1.18	1.19	0.7%	
PCB-23 235-TrCB	19.79	1.69E+07	1.05 Y	1.19	1.19	0.6%	
PCB-26/29 23'5-/245-TrCB	20.07	3.40E+07	1.05 Y	1.20	1.20	0.2%	
PCB-25 23'4-TrCB	20.26	1.69E+07	1.07 Y	1.19	1.19	0.0%	
PCB-31 24'5-TrCB	20.53	1.77E+07	1.06 Y	1.23	1.25	2.1%	
PCB-28/20 244'-/233'-TrCB	20.79	3.38E+07	1.05 Y	1.18	1.19	1.3%	
PCB-21/33 234-/2'34-TrCB	20.96	3.45E+07	1.05 Y	1.21	1.22	0.4%	
PCB-22 234'-TrCB	21.33	1.61E+07	1.04 Y	1.11	1.14	2.2%	
PCB-36 33'5-TrCB	22.70	1.76E+07	1.07 Y	1.21	1.24	2.4%	
PCB-39 34'5-TrCB	23.01	1.83E+07	1.06 Y	1.32	1.30	-1.6%	
PCB-38 345-TrCB	23.51	1.66E+07	1.07 Y	1.15	1.17	1.5%	
PCB-35 33'4-TrCB	23.90	1.63E+07	1.06 Y	1.13	1.15	1.6%	
PCB-37 344'-TrCB	24.25	1.70E+07	1.05 Y	1.20	1.20	0.2%	
PCB-54 22'66'-TeCB	18.37	1.24E+07	0.77 Y	0.93	0.94	1.1%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.95E+07	0.77 Y	0.83	0.86	3.0%	
PCB-45 22'36'-TeCB	20.85	8.19E+06	0.79 Y	0.71	0.72	2.3%	
PCB-51 22'46'-TeCB	20.93	1.03E+07	0.81 Y	0.88	0.91	3.2%	
PCB-46 22'36'-TeCB	21.12	8.08E+06	0.81 Y	0.69	0.71	2.4%	
PCB-52 22'55'-TeCB	22.38	9.42E+06	0.76 Y	0.80	0.83	3.4%	
PCB-73 23'5'6TeCB	22.50	1.20E+07	0.77 Y	1.03	1.06	2.7%	
PCB-43 22'35'-TeCB	22.59	8.31E+06	0.75 Y	0.71	0.73	3.7%	
PCB-69/49 23'46-/22'45'TeCB	22.78	2.25E+07	0.76 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	9.63E+06	0.79 Y	0.84	0.85	1.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	3.02E+07	0.80 Y	0.86	0.89	3.4%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.84E+07	0.78 Y	1.09	1.13	3.3%	
PCB-42 22'34'-TeCB	23.69	8.98E+06	0.76 Y	0.77	0.79	3.3%	
PCB-41 22'34'-TeCB	24.01	8.52E+06	0.76 Y	0.73	0.75	3.4%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.11	1.92E+07	0.78 Y	0.81	0.85	4.0%	
PCB-64 234'6'-TeCB	24.31	1.36E+07	0.77 Y	1.17	1.20	2.9%	
PCB-72 23'55'-TeCB	25.04	1.50E+07	0.79 Y	1.25	1.32	5.2%	
PCB-68 23'45'-TeCB	25.29	1.59E+07	0.78 Y	1.36	1.40	2.5%	
PCB-57 233'5'-TeCB	25.65	1.44E+07	0.77 Y	1.22	1.27	3.4%	
PCB-58 233'5'-TeCB	25.85	1.45E+07	0.79 Y	1.26	1.27	1.5%	
PCB-67 23'45'-TeCB	26.00	1.51E+07	0.79 Y	1.27	1.33	4.2%	
PCB-63 234'5'-TeCB	26.22	1.57E+07	0.77 Y	1.34	1.39	3.7%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.91E+07	0.79 Y	1.24	1.30	4.7%	
PCB-66 23'44'-TeCB	26.78	1.41E+07	0.77 Y	1.19	1.24	4.4%	
PCB-55 233'4'-TeCB	26.92	1.43E+07	0.77 Y	1.22	1.26	3.3%	
PCB-56 233'4'-TeCB	27.35	1.39E+07	0.77 Y	1.18	1.22	3.7%	
PCB-60 2344'-TeCB	27.53	1.45E+07	0.76 Y	1.24	1.28	3.5%	
PCB-80 33'55'-TeCB	27.91	1.64E+07	0.80 Y	1.37	1.44	5.0%	
PCB-79 33'45'-TeCB	29.20	1.62E+07	0.76 Y	1.37	1.42	4.1%	
PCB-78 33'45'-TeCB	29.67	1.37E+07	0.77 Y	1.19	1.21	1.3%	
PCB-104 22'466'-PeCB	23.20	1.22E+07	0.63 Y	0.92	0.92	0.3%	
PCB-96 22'366'-PeCB	23.50	1.07E+07	0.62 Y	0.81	0.81	-0.2%	
PCB-103 22'45'6'-PeCB	25.20	8.28E+06	0.61 Y	0.78	0.79	2.3%	
PCB-94 22'356'-PeCB	25.37	7.40E+06	0.62 Y	0.71	0.71	-0.5%	
PCB-95 22'35'6'-PeCB	25.75	7.77E+06	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6'-/22'356-P	25.96	1.61E+07	0.62 Y	0.75	0.77	3.4%	
PCB-102 22'456'-PeCB	26.06	7.69E+06	0.61 Y	0.75	0.74	-1.6%	
PCB-98 22'3'46'-PeCB	26.13	7.90E+06	0.62 Y	0.71	0.76	6.4%	
PCB-88 22'346'-PeCB	26.42	6.83E+06	0.63 Y	0.66	0.65	-1.6%	
PCB-91 22'34'6'-PeCB	26.49	9.07E+06	0.63 Y	0.84	0.87	3.6%	
PCB-84 22'33'6'-PeCB	26.67	6.93E+06	0.62 Y	0.65	0.66	2.1%	
PCB-89 22'346'-PeCB	27.08	7.29E+06	0.61 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	1.06E+07	0.62 Y	0.98	1.01	3.1%	
PCB-92 22'355'-PeCB	27.78	7.43E+06	0.61 Y	0.72	0.71	-0.6%	
PCB-113/90/101 233'5'6'-/22'3	28.25	2.57E+07	0.61 Y	0.81	0.82	1.5%	
PCB-83 22'33'5'-PeCB	28.67	6.74E+06	0.60 Y	0.62	0.65	3.6%	
PCB-99 22'44'5'-PeCB	28.78	7.89E+06	0.61 Y	0.76	0.76	-1.1%	
PCB-112 233'56'-PeCB	28.87	1.03E+07	0.61 Y	0.96	0.99	2.7%	
PCB-108/119/86/97/125/87 233	29.21	5.35E+07	0.61 Y	0.83	0.85	3.3%	
PCB-117 234'56'-PeCB	29.74	9.77E+06	0.60 Y	0.94	0.94	-0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.75E+07	0.63 Y	0.81	0.84	3.8%	
PCB-110 233'4'6'-PeCB	29.95	9.77E+06	0.61 Y	0.92	0.94	1.6%	

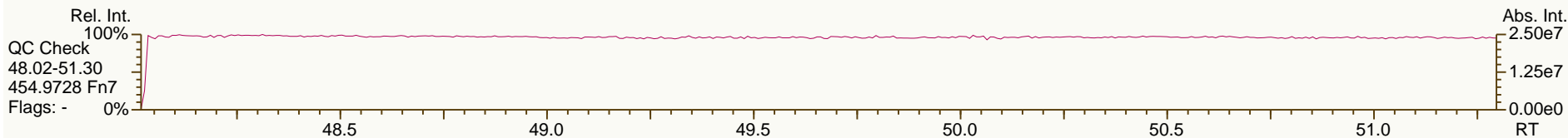
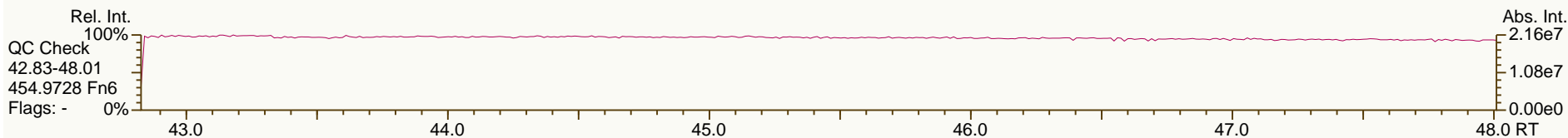
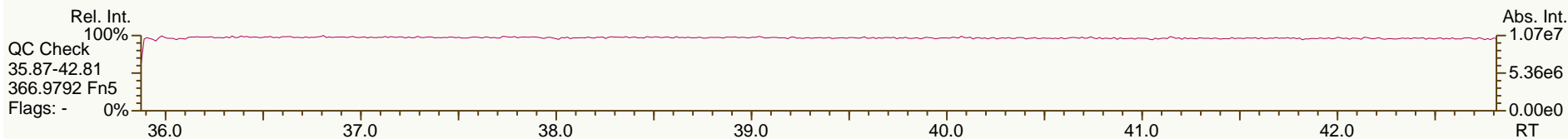
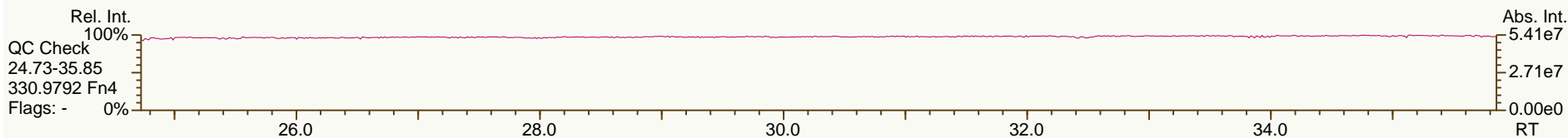
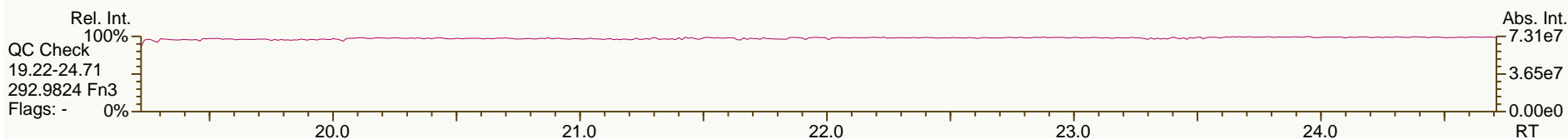
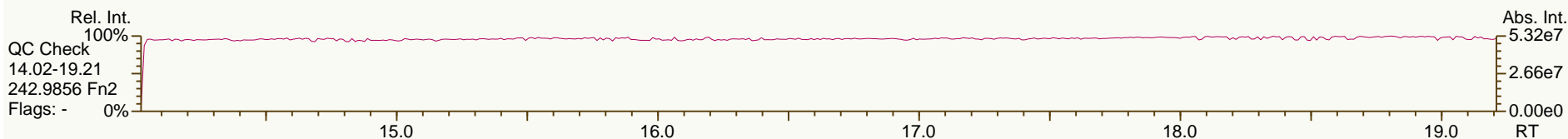
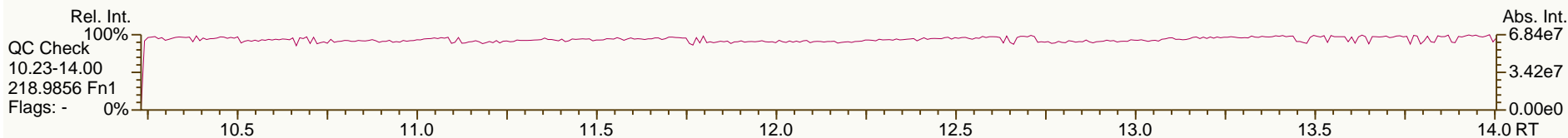
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:48			
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	1.01E+07	0.63 Y	0.95	0.97	2.0%	
PCB-82 22'33'4-PeCB	30.21	6.53E+06	0.61 Y	0.62	0.63	1.5%	
PCB-111 233'55'-PeCB	30.58	1.04E+07	0.61 Y	0.98	1.00	1.4%	
PCB-120 23'455'-PeCB	30.97	1.06E+07	0.61 Y	0.99	1.01	1.8%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.99E+07	0.62 Y	0.92	0.95	3.5%	
PCB-109 233'46-PeCB	32.12	1.07E+07	0.61 Y	1.00	1.02	2.9%	
PCB-106 233'45-PeCB	32.32	1.04E+07	0.61 Y	0.96	1.00	3.5%	
PCB-122 2'33'45-PeCB	32.78	9.49E+06	0.62 Y	0.93	1.00	7.5%	
PCB-127 33'455'-PeCB	34.75	1.02E+07	0.61 Y	1.04	1.09	4.6%	
PCB-155 22'44'66'-HxCB	28.11	1.25E+07	1.27 Y	1.06	1.08	2.1%	
PCB-152 22'3566'-HxCB	28.24	1.14E+07	1.26 Y	0.98	0.99	0.9%	
PCB-150 22'34'66'-HxCB	28.39	1.17E+07	1.26 Y	0.99	1.01	2.6%	
PCB-136 22'33'66'-HxCB	28.68	1.07E+07	1.24 Y	0.92	0.92	0.3%	
PCB-145 22'3466'HxCB	28.95	1.09E+07	1.21 Y	0.94	0.94	0.5%	
PCB-148 22'34'56'-HxCB	30.25	8.54E+06	1.23 Y	0.95	0.96	0.9%	
PCB-151/135 22'355'6-/22'33'	30.76	1.68E+07	1.24 Y	0.92	0.94	2.2%	
PCB-154 22'44'5'6-HxCB	30.98	9.24E+06	1.22 Y	1.01	1.03	1.9%	
PCB-144 22'345'6-HxCB	31.23	8.53E+06	1.24 Y	0.93	0.96	2.7%	
PCB-147/149 22'34'56-/22'34'	31.53	1.71E+07	1.24 Y	0.94	0.96	2.5%	
PCB-134 22'33'56-HxCB	31.69	6.95E+06	1.28 Y	0.78	0.78	-0.8%	
PCB-143 22'3456'-HxCB	31.77	8.19E+06	1.25 Y	0.90	0.92	2.4%	
PCB-139/140 22'344'6-/22'344'	32.04	1.76E+07	1.26 Y	0.95	0.99	3.8%	
PCB-131 22'33'46-HxCB	32.20	7.53E+06	1.27 Y	0.84	0.84	0.9%	
PCB-142 22'3456-HxCB	32.34	7.76E+06	1.30 Y	0.87	0.87	-0.1%	
PCB-132 22'33'46'-HxCB	32.58	7.80E+06	1.24 Y	0.88	0.87	-0.4%	
PCB-133 22'33'55'-HxCB	33.03	7.89E+06	1.25 Y	0.89	0.88	-0.6%	
PCB-165 233'55'6-HxCB	33.37	9.69E+06	1.28 Y	1.06	1.09	2.1%	
PCB-146 22'34'55'-HxCB	33.58	8.61E+06	1.23 Y	0.94	0.96	2.2%	
PCB-161 233'45'6-HxCB	33.69	1.06E+07	1.27 Y	1.20	1.19	-0.8%	
PCB-153/168 22'44'55'-/23'44'	34.12	2.08E+07	1.25 Y	1.15	1.16	1.4%	
PCB-141 22'3455'-HxCB	34.25	7.99E+06	1.24 Y	0.91	0.89	-2.0%	
PCB-130 22'33'45'-HxCB	34.59	7.45E+06	1.27 Y	0.82	0.83	1.5%	
PCB-137 22'344'5-HxCB	34.79	9.24E+06	1.27 Y	1.00	1.04	3.2%	
PCB-164 233'4'5'6-HxCB	34.88	1.02E+07	1.28 Y	1.14	1.14	0.3%	
PCB-163/138/129 233'4'56-/22'	35.16	2.66E+07	1.26 Y	0.98	0.99	0.7%	
PCB-160 233'456-HxCB	35.29	1.04E+07	1.25 Y	1.14	1.17	2.0%	
PCB-158 233'44'6-HxCB	35.48	1.12E+07	1.28 Y	1.24	1.26	1.1%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.65E+07	1.24 Y	0.86	0.90	4.5%	
PCB-159 233'455'-HxCB	37.05	9.41E+06	1.24 Y	1.03	1.03	0.2%	
PCB-162 233'4'55'-HxCB	37.29	9.81E+06	1.22 Y	1.04	1.07	3.3%	
PCB-188 22'34'566'-HpCB	32.96	1.21E+07	1.06 Y	1.07	1.07	0.4%	
PCB-179 22'33'566'-HpCB	33.23	1.13E+07	1.04 Y	0.98	1.00	2.4%	
PCB-184 22'344'66'-HpCB	33.70	1.08E+07	1.07 Y	0.97	0.95	-1.9%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:48		
Lab ID:	CS3_120126_PCB_SB			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 18:54						
Datafile:	120126S06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.22E+07	1.06 Y	1.06	1.08	1.2%	
PCB-186 22'34566'-HpCB	34.36	1.16E+07	1.05 Y	1.02	1.03	0.9%	
PCB-178 22'33'55'6'-HpCB	35.53	8.75E+06	1.07 Y	0.77	0.78	0.5%	
PCB-175 22'33'45'6'-HpCB	36.08	7.76E+06	1.07 Y	0.89	0.90	0.8%	
PCB-187 22'34'55'6'-HpCB	36.31	8.13E+06	1.04 Y	0.94	0.94	0.8%	
PCB-182 22'344'56'-HpCB	36.48	8.46E+06	1.05 Y	0.95	0.98	3.4%	
PCB-183 22'344'5'6'-HpCB	36.83	9.15E+06	1.03 Y	0.96	1.06	10.9%	
PCB-185 22'3455'6'-HpCB	36.90	7.56E+06	1.04 Y	0.93	0.88	-5.7%	
PCB-174 22'33'456'-HpCB	37.01	6.92E+06	1.06 Y	0.80	0.80	0.2%	
PCB-177 22'33'4'56'-HpCB	37.38	7.16E+06	1.01 Y	0.82	0.83	1.8%	
PCB-181 22'344'56'-HpCB	37.73	8.22E+06	1.03 Y	0.91	0.95	4.5%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.46E+07	1.03 Y	0.81	0.85	4.0%	
PCB-172 22'33'455'-HpCB	39.29	7.41E+06	1.02 Y	0.83	0.86	4.0%	
PCB-192 233'455'6'-HpCB	39.54	9.52E+06	1.03 Y	1.09	1.10	1.1%	
PCB-180/193 22'344'55'-/233'	39.81	1.80E+07	1.03 Y	1.01	1.04	2.9%	
PCB-191 233'44'5'6'-HpCB	40.14	9.88E+06	1.03 Y	1.13	1.15	1.1%	
PCB-170 22'33'44'5'-HpCB	40.89	7.32E+06	1.03 Y	1.00	1.02	2.4%	
PCB-190 233'44'56'-HpCB	41.35	9.73E+06	1.02 Y	1.35	1.36	0.4%	
PCB-202 22'33'55'66'-OcCB	37.50	8.66E+06	0.89 Y	0.83	0.83	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.28	9.93E+06	0.89 Y	0.93	0.95	2.3%	
PCB-204 22'344'566'-OcCB	38.86	9.26E+06	0.89 Y	0.89	0.88	-0.9%	
PCB-197 22'33'44'66'-OcCB	39.05	9.55E+06	0.84 Y	0.91	0.91	-0.2%	
PCB-200 22'33'4566'-OcCB	39.12	9.97E+06	0.89 Y	0.93	0.95	2.4%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.46E+07	0.88 Y	0.68	0.69	1.7%	
PCB-196 22'33'44'56'-OcCB	42.05	7.51E+06	0.89 Y	0.72	0.72	-0.1%	
PCB-203 22'344'55'6'-OcCB	42.22	7.74E+06	0.90 Y	0.74	0.74	0.1%	
PCB-195 22'33'44'56'-OcCB	43.33	5.96E+06	0.92 Y	0.81	0.82	1.4%	
PCB-194 22'33'44'55'-OcCB	45.31	6.37E+06	0.88 Y	0.86	0.88	2.5%	
PCB-205 233'44'55'6'-OcCB	45.71	7.93E+06	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.72E+06	0.80 Y	0.98	0.98	0.7%	
PCB-207 22'33'44'566'-NoCB	43.93	8.06E+06	0.76 Y	1.02	1.03	1.0%	
PCB-206 22'33'44'55'6'-NoCB	47.17	5.92E+06	0.80 Y	0.93	0.95	1.4%	

AP Lab ID: CS3_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

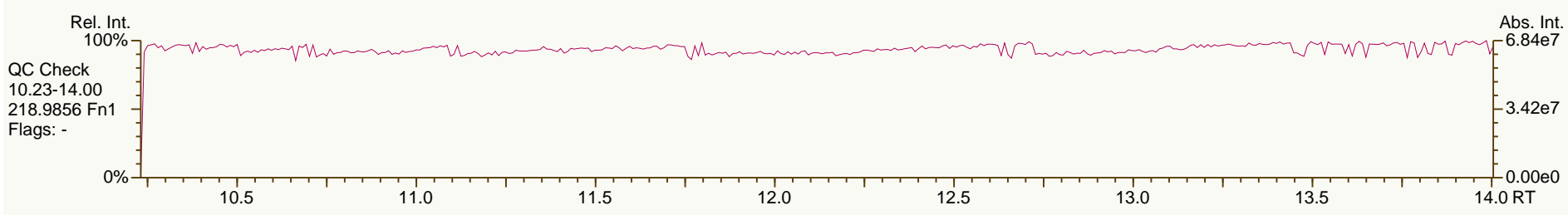
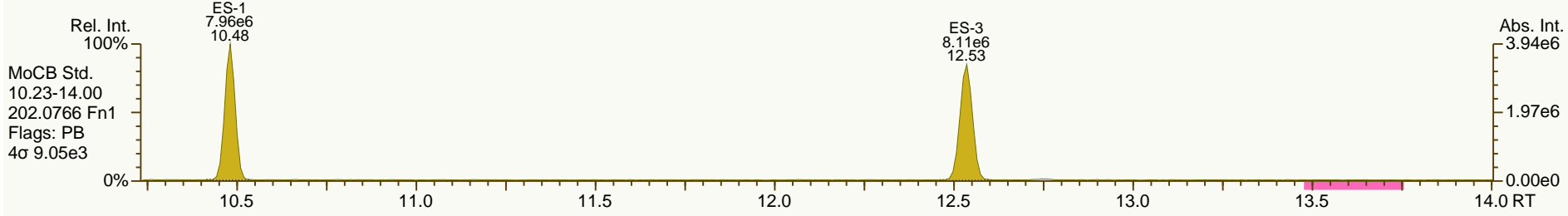
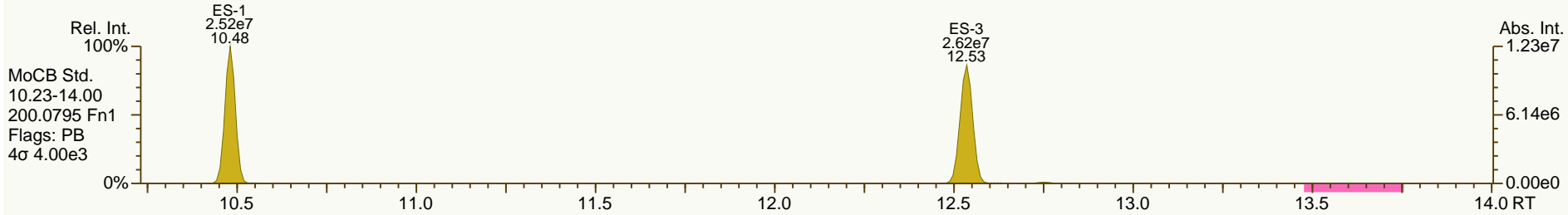
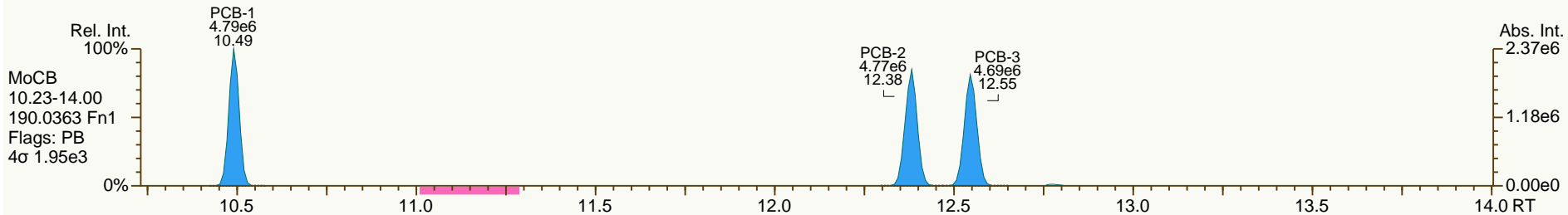
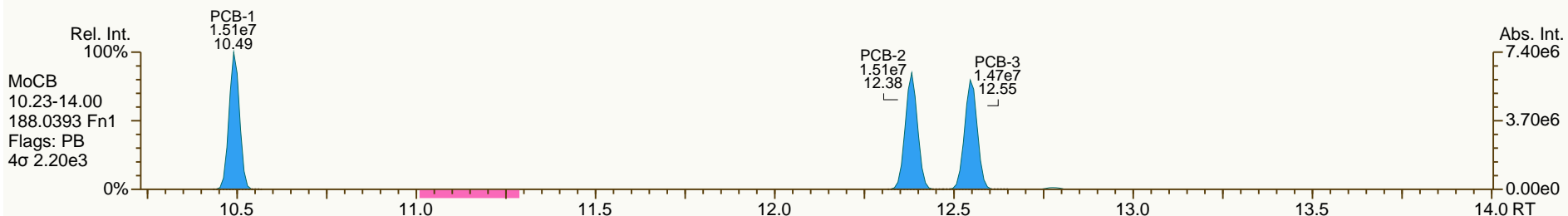
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AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
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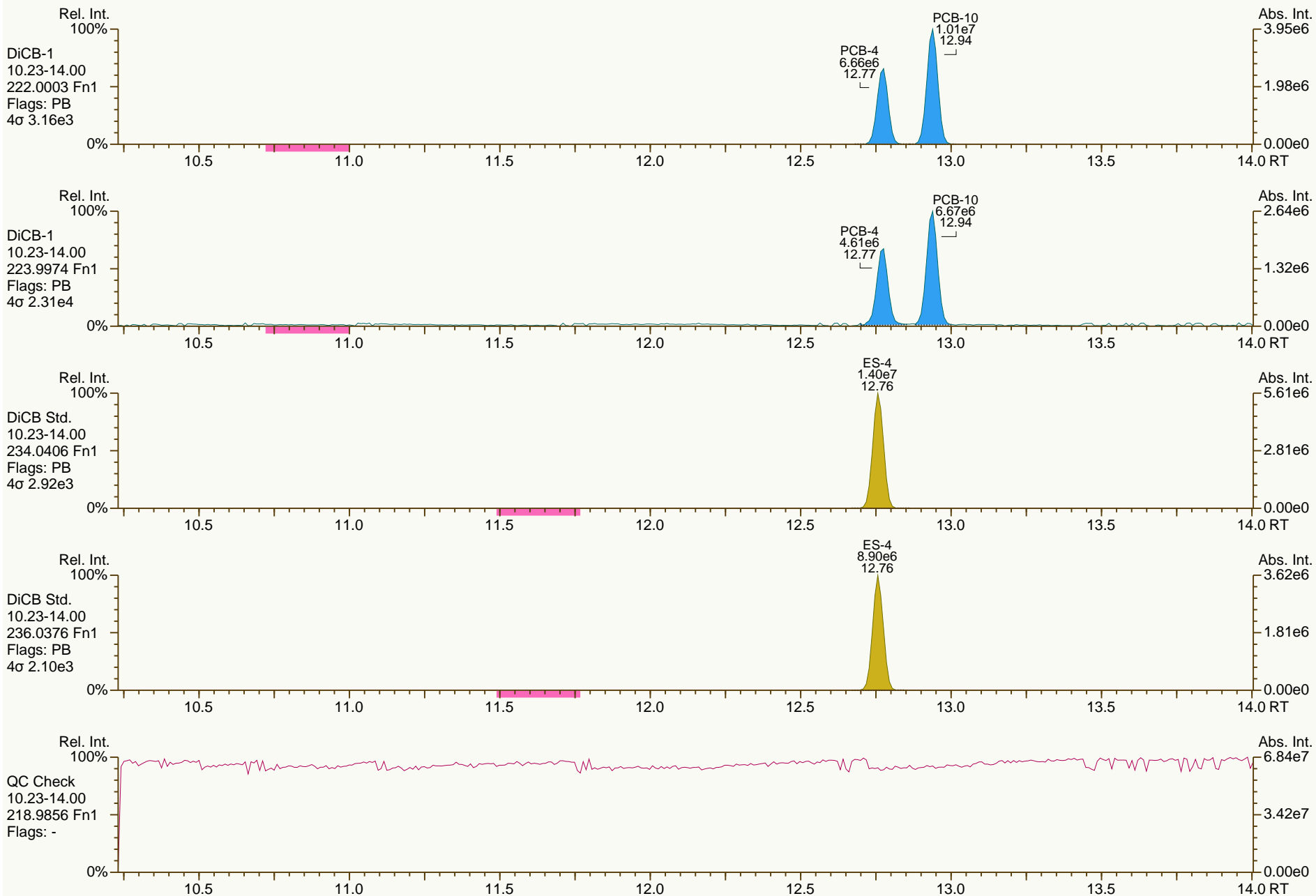
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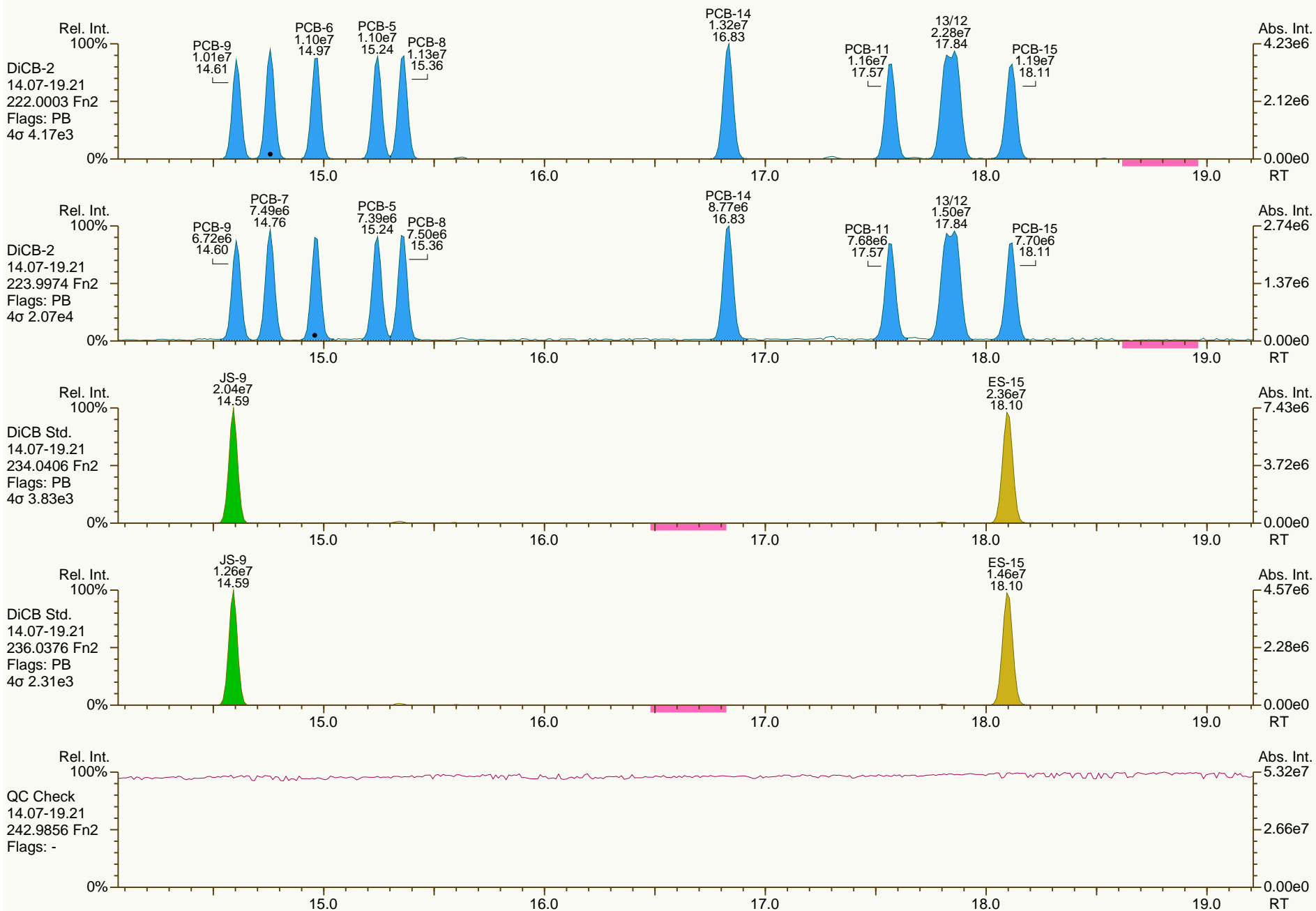
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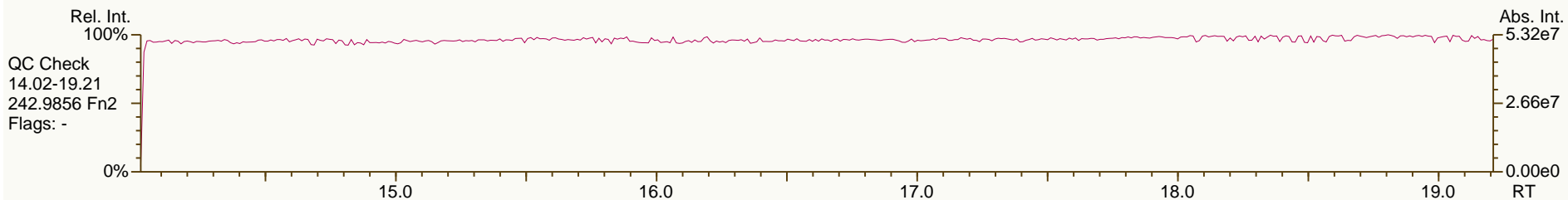
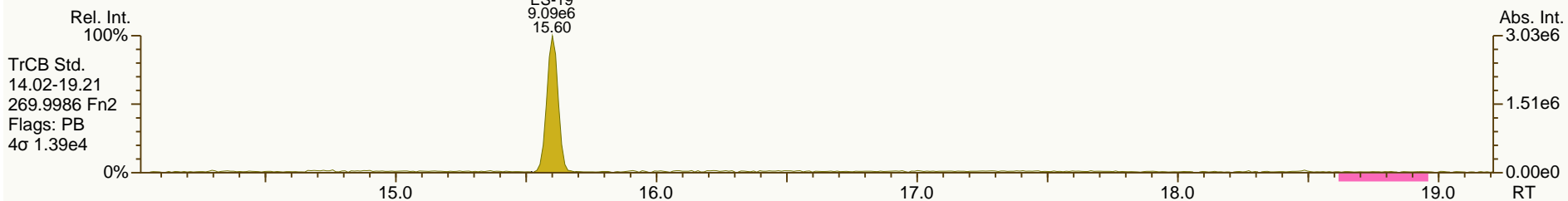
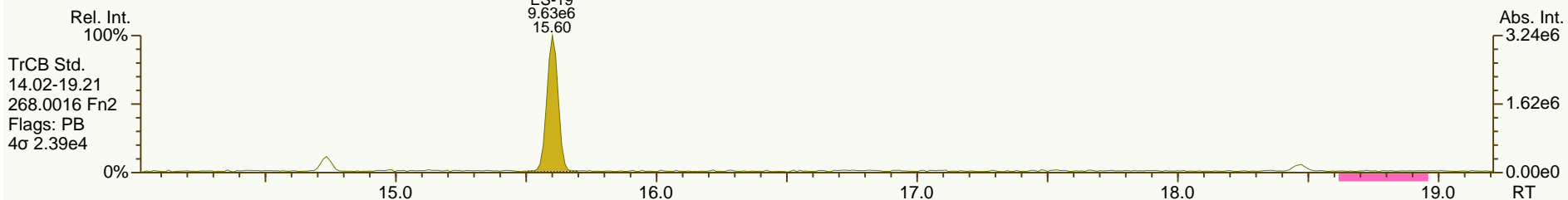
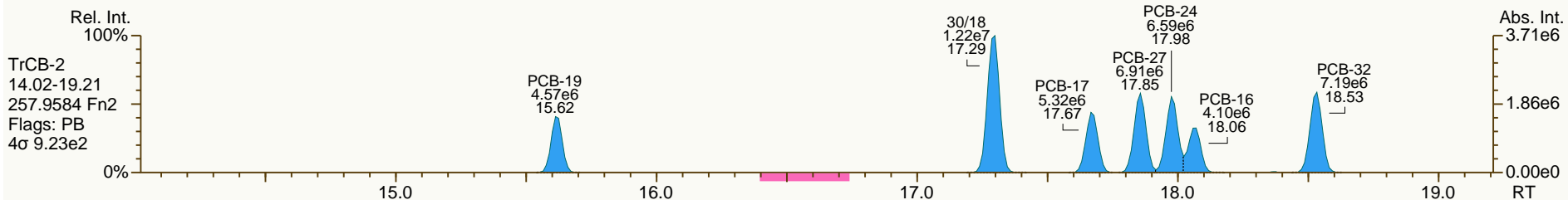
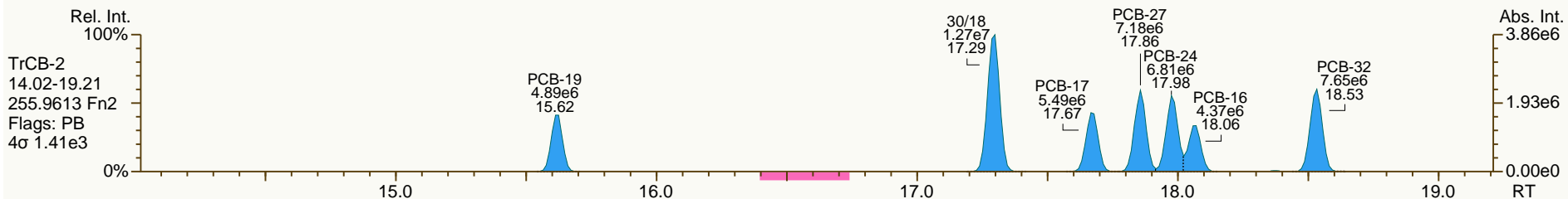
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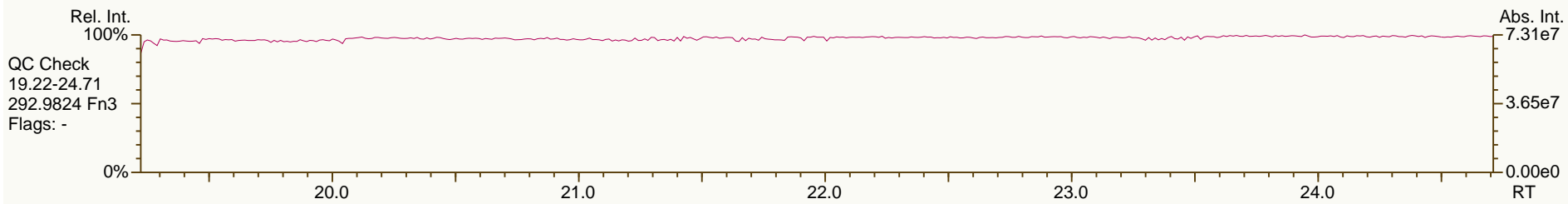
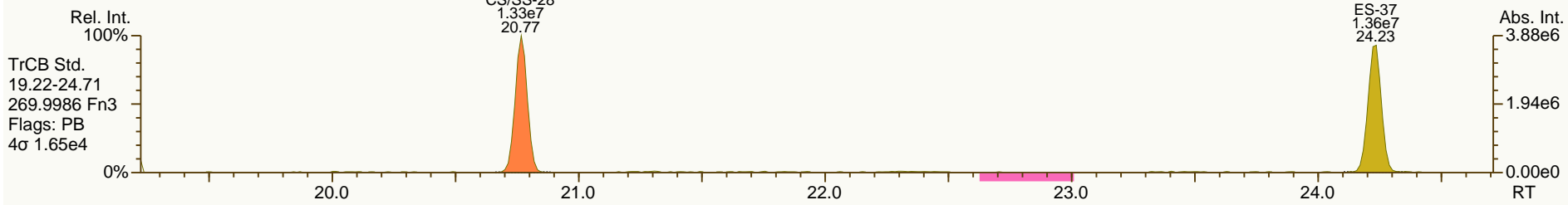
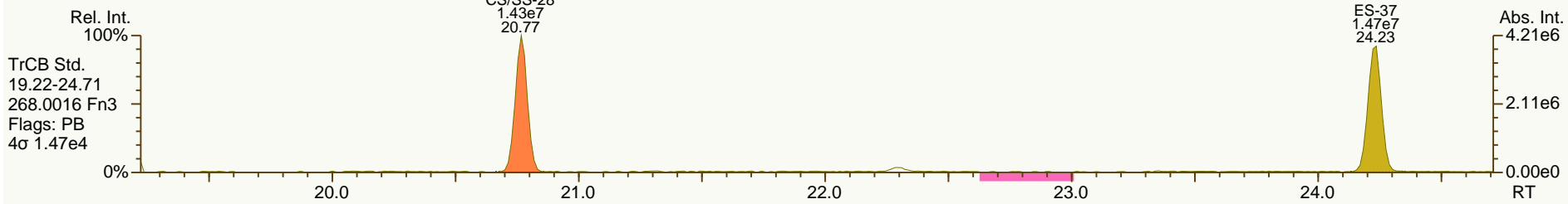
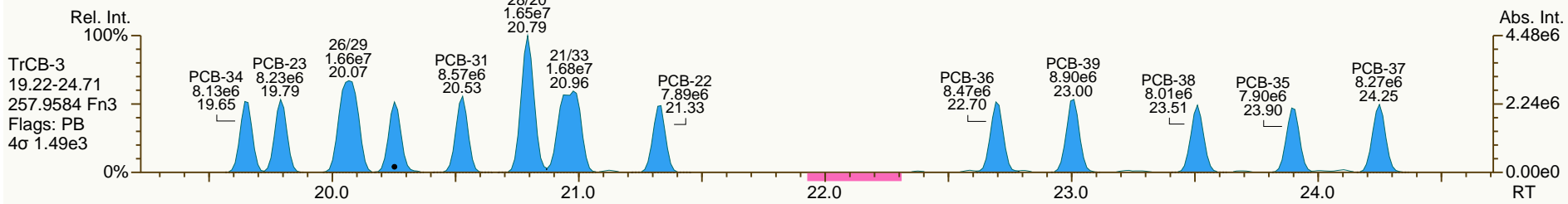
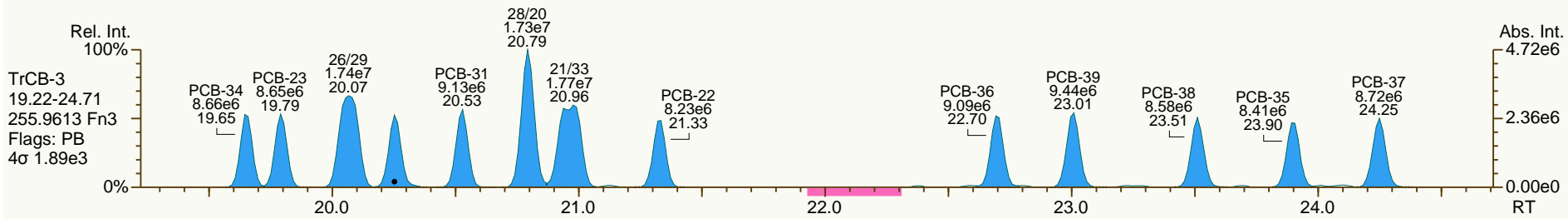
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AP Lab ID: CS3_120126_PCB_SB
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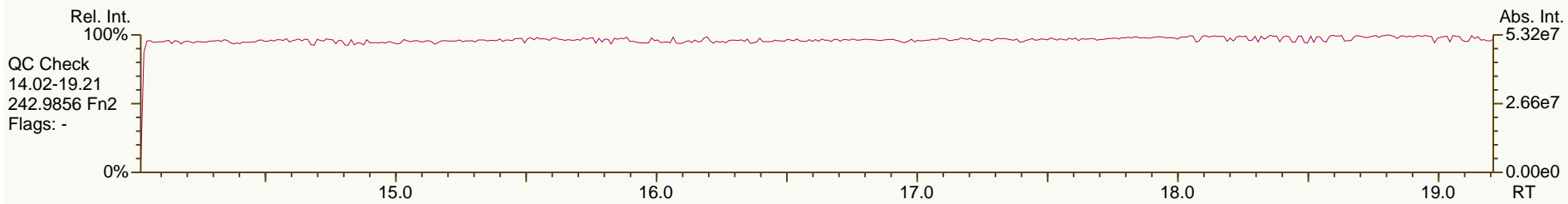
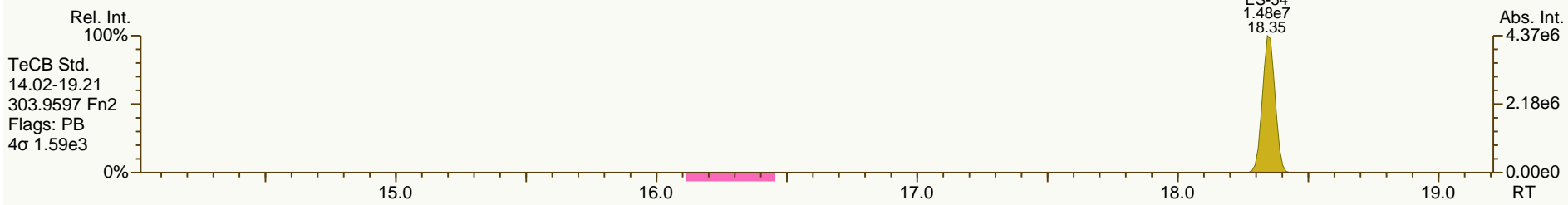
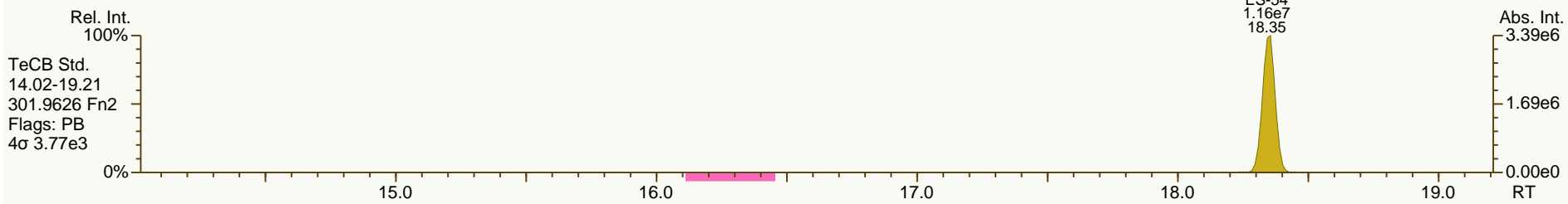
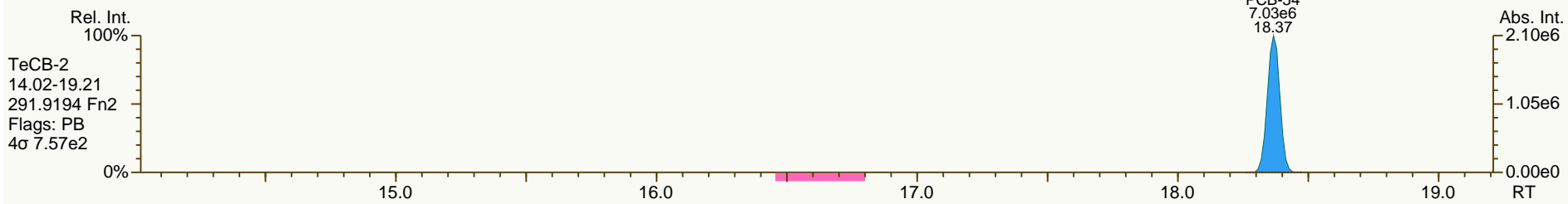
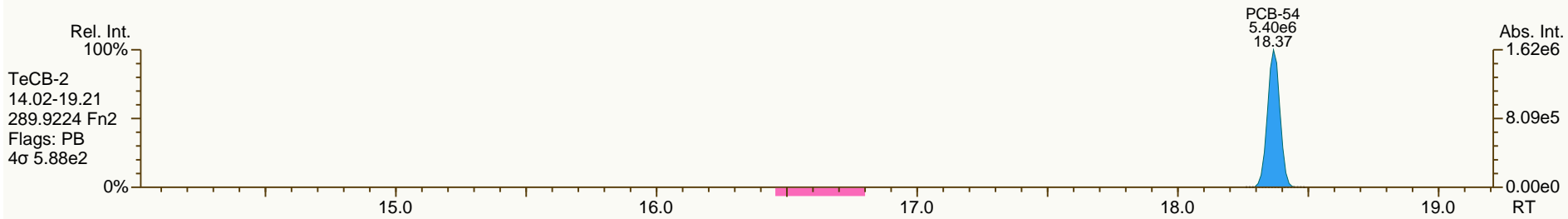
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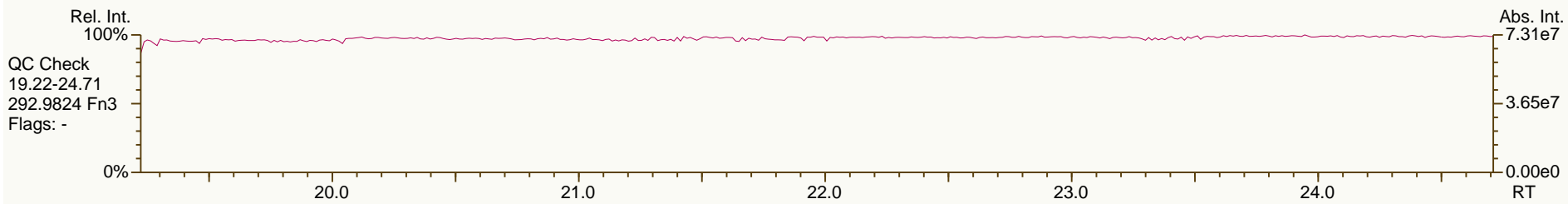
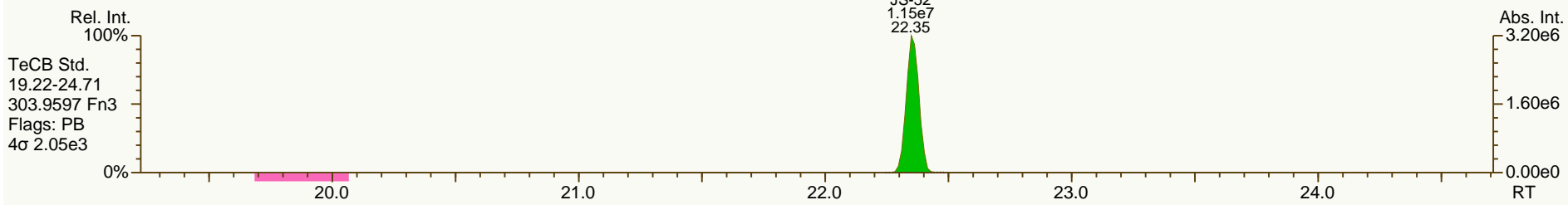
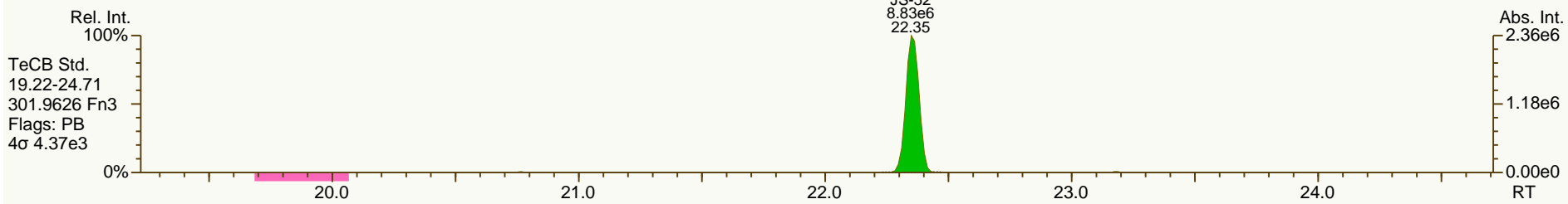
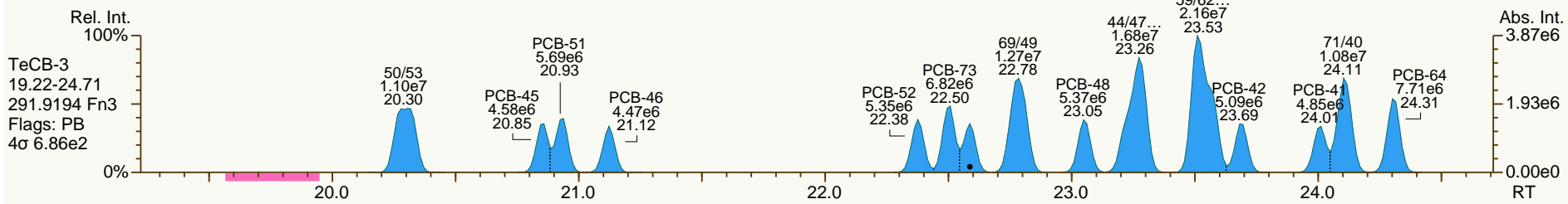
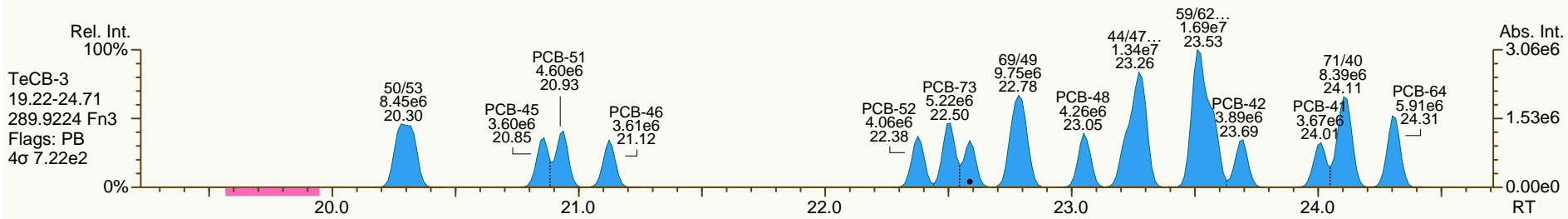
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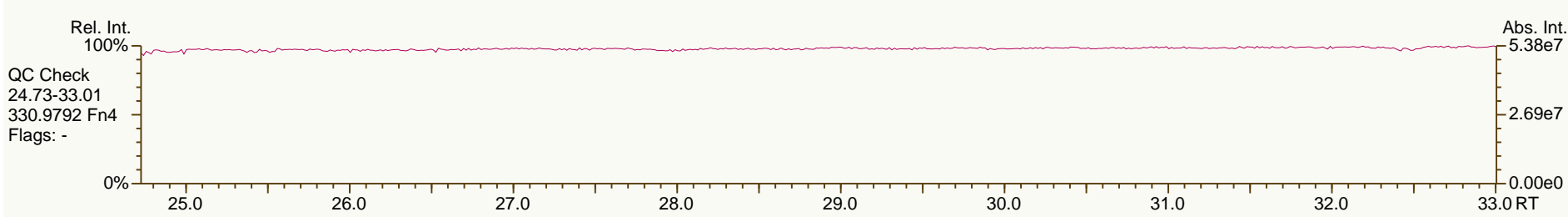
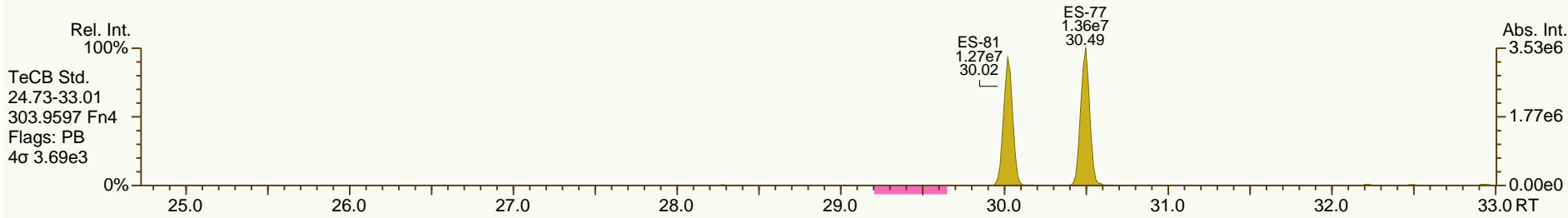
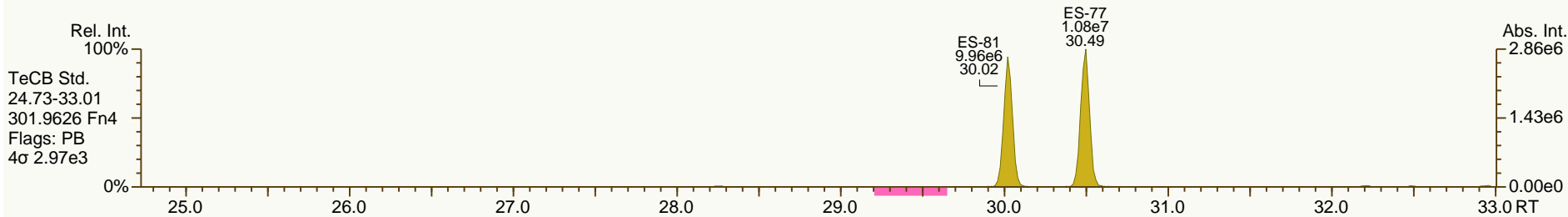
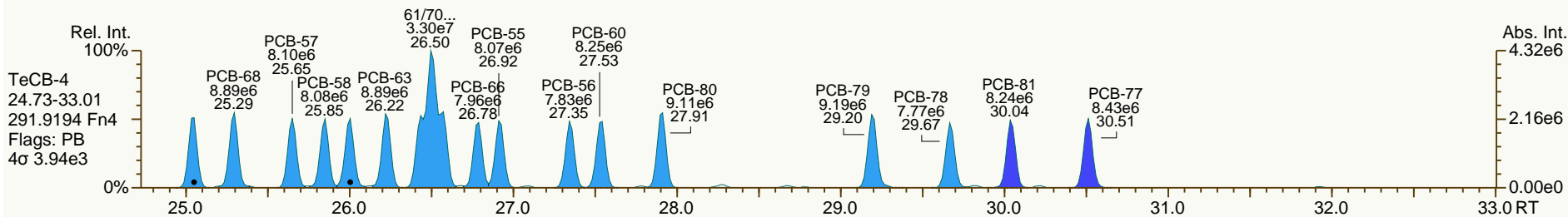
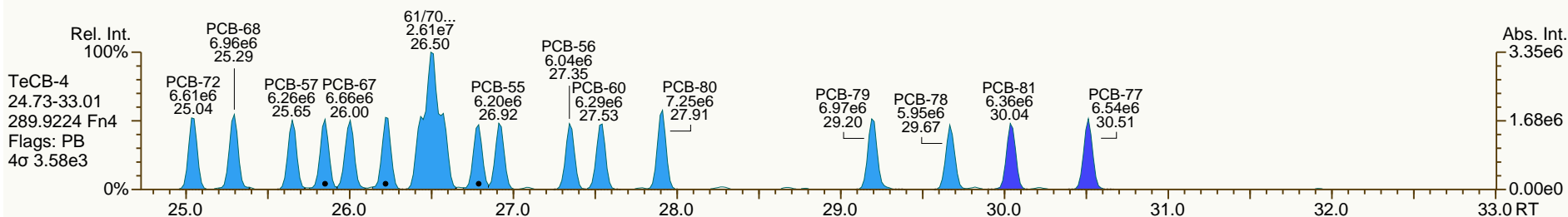
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AP Lab ID: CS3_120126_PCB_SB
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Sample ID: SIL 12-5-3
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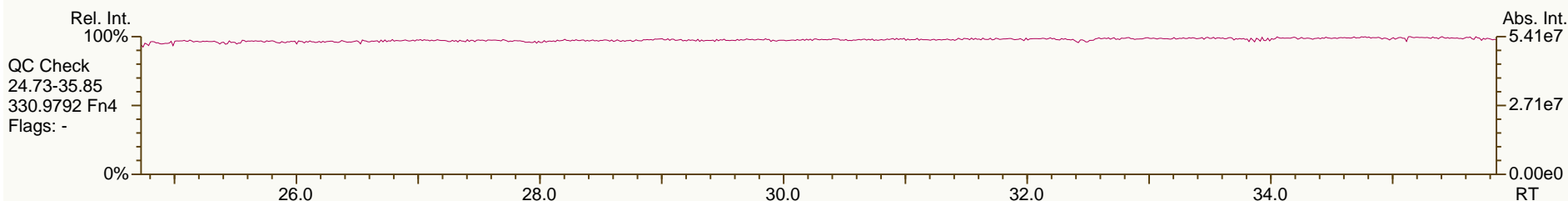
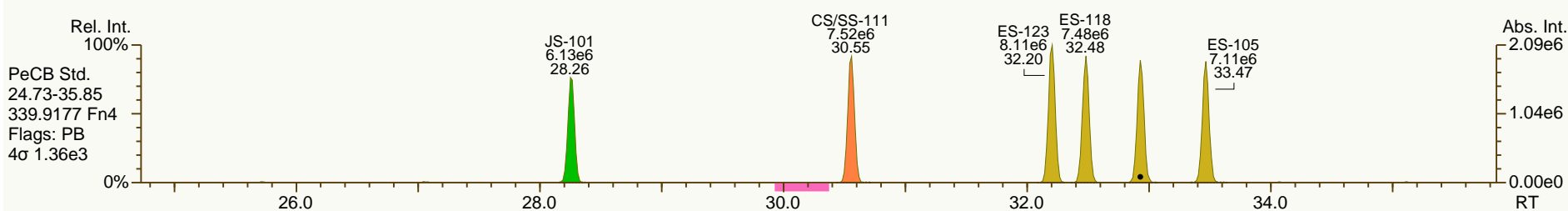
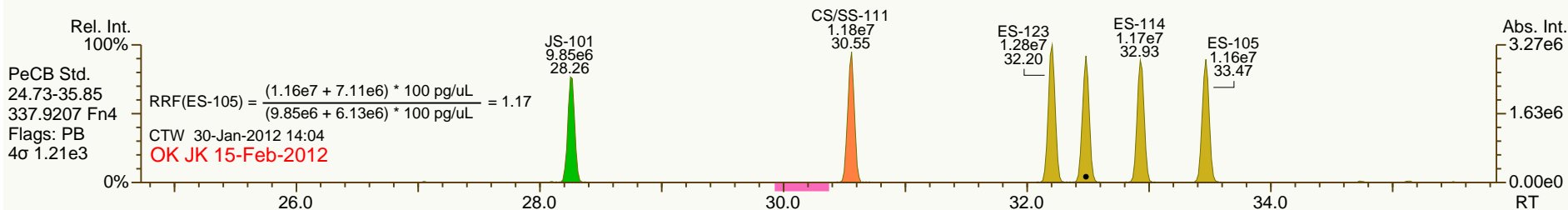
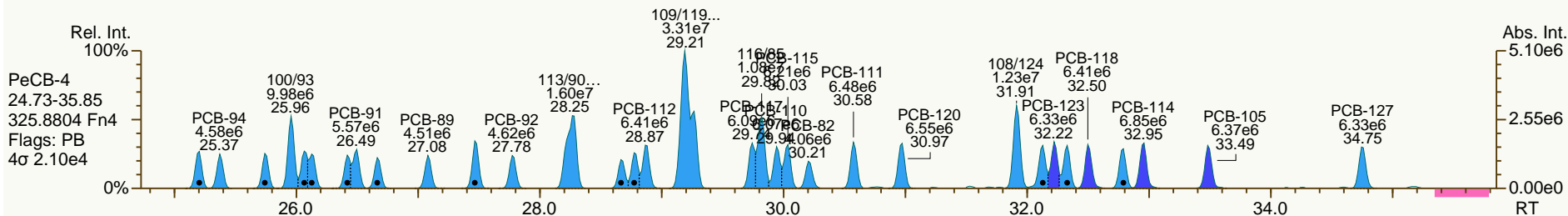
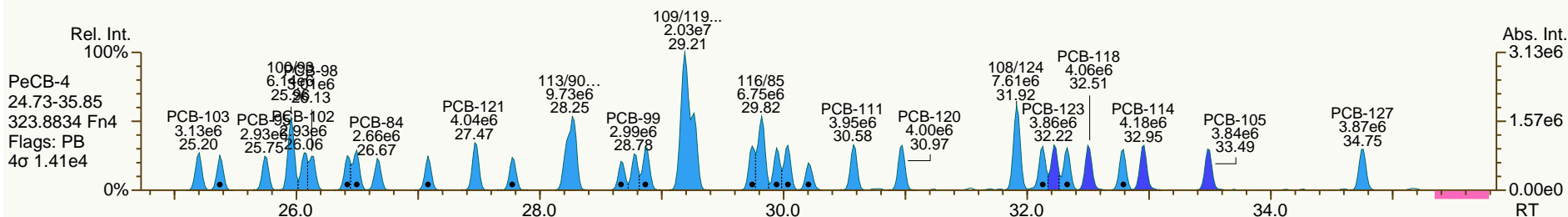
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AP Lab ID: CS3_120126_PCB_SB
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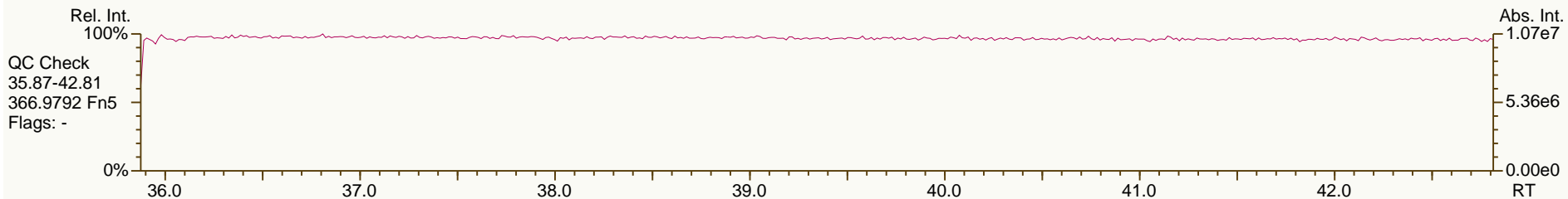
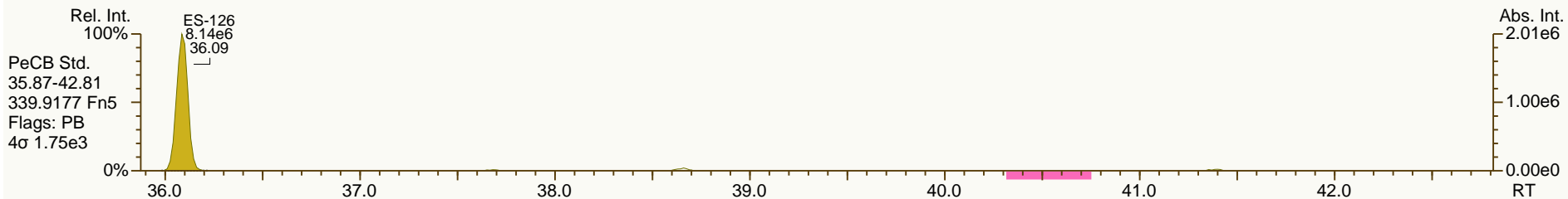
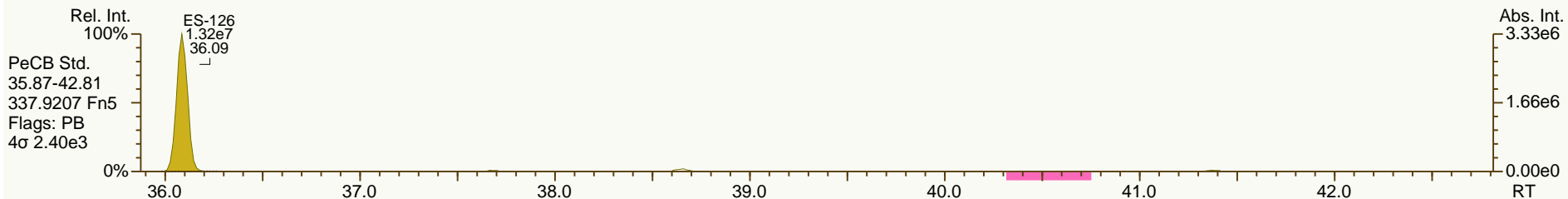
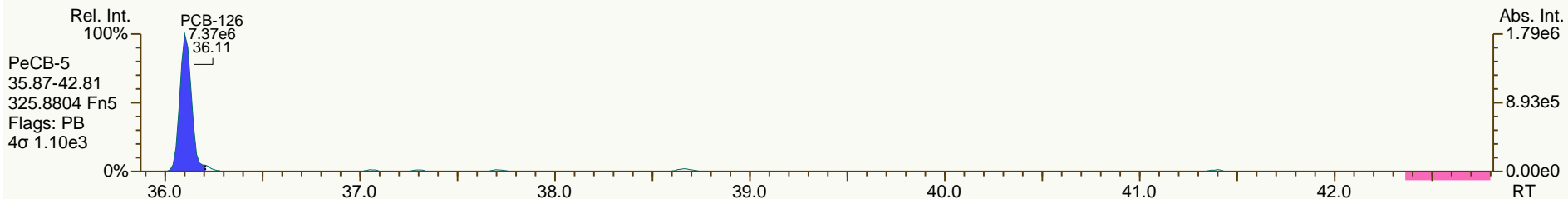
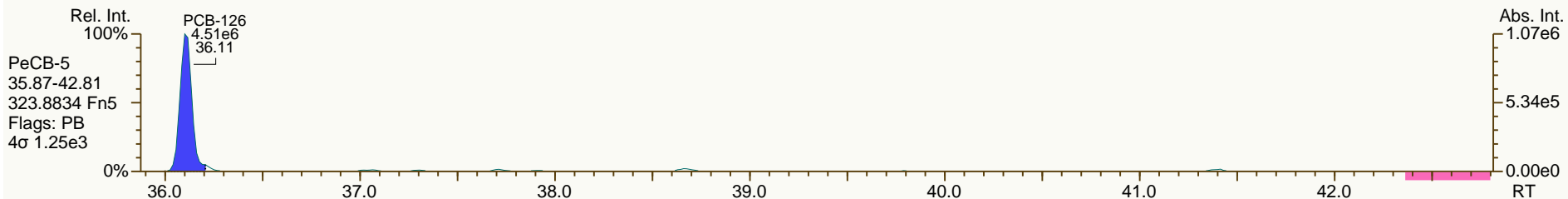
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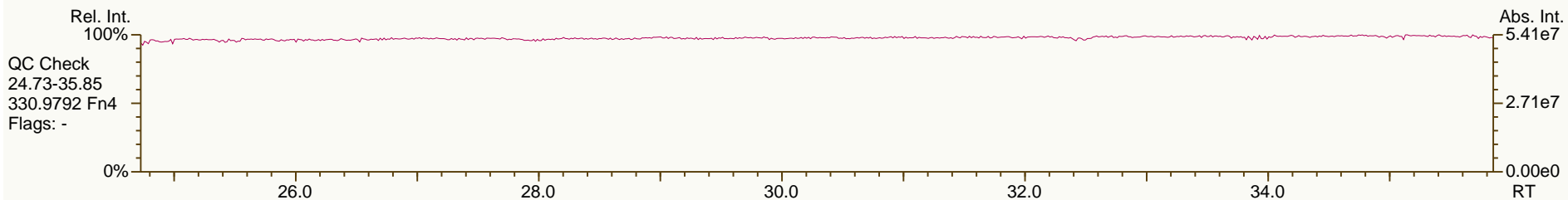
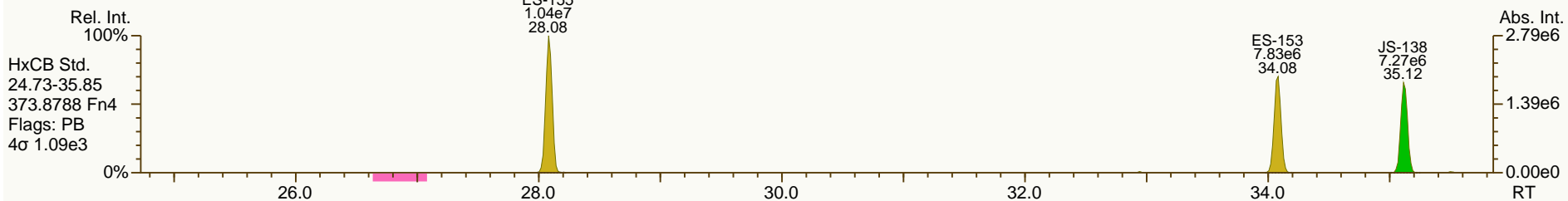
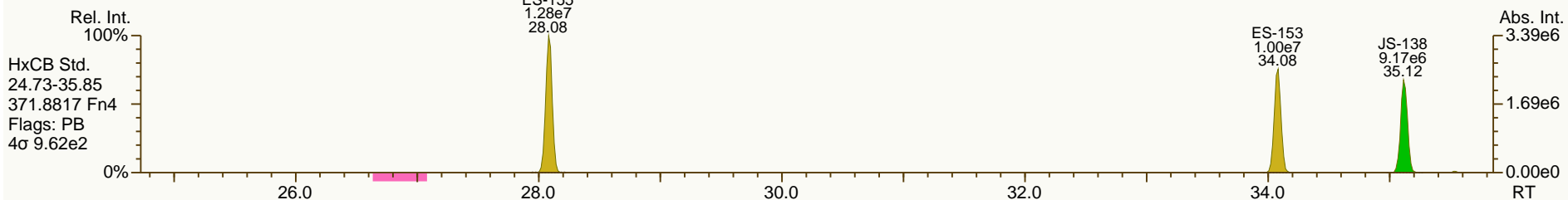
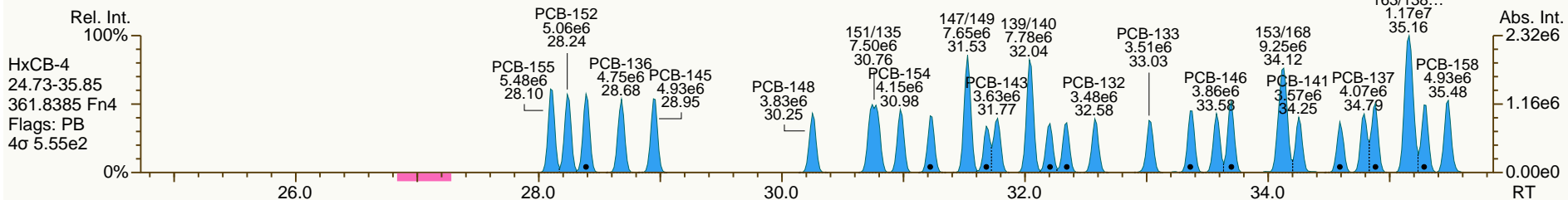
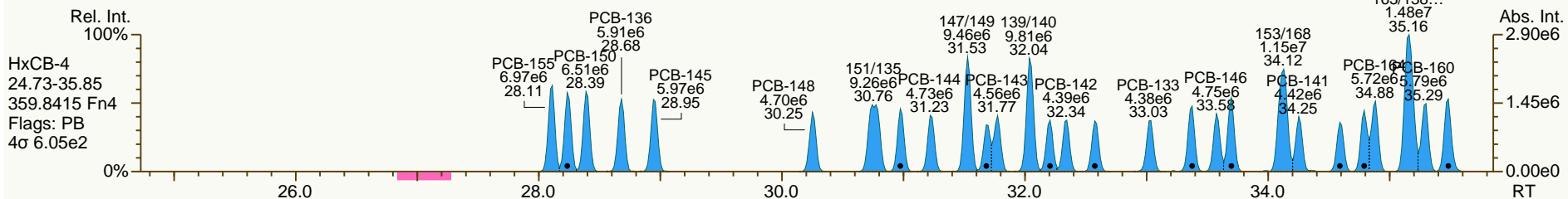
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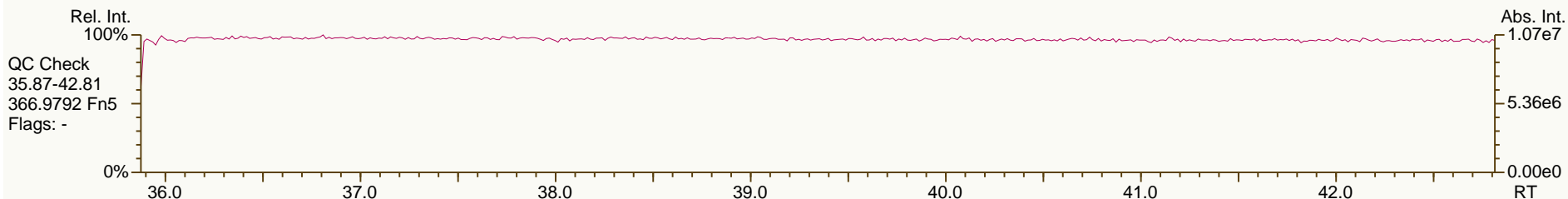
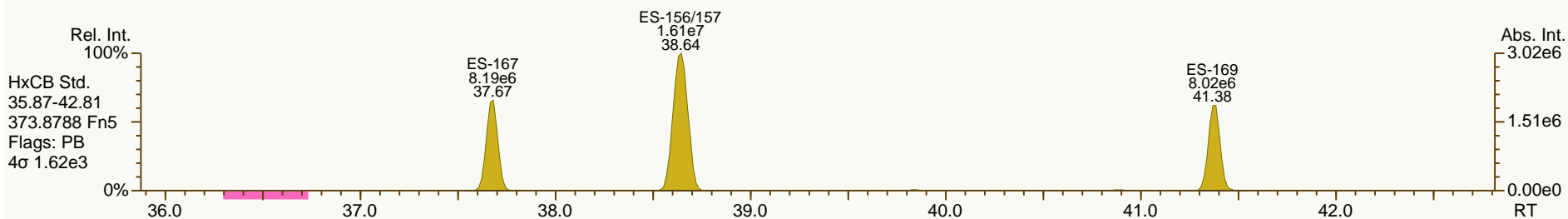
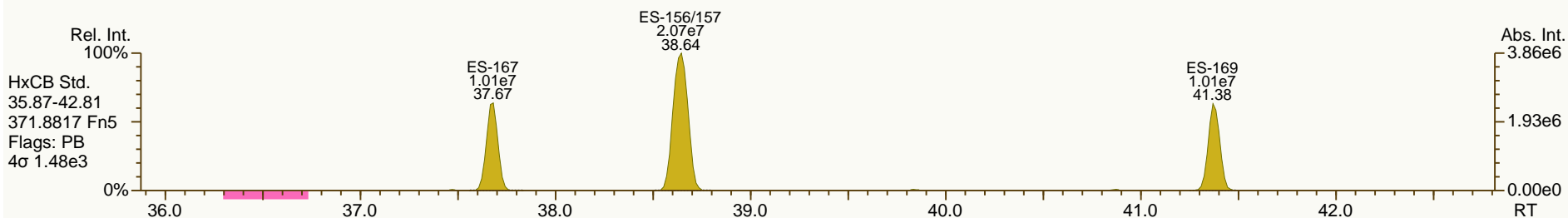
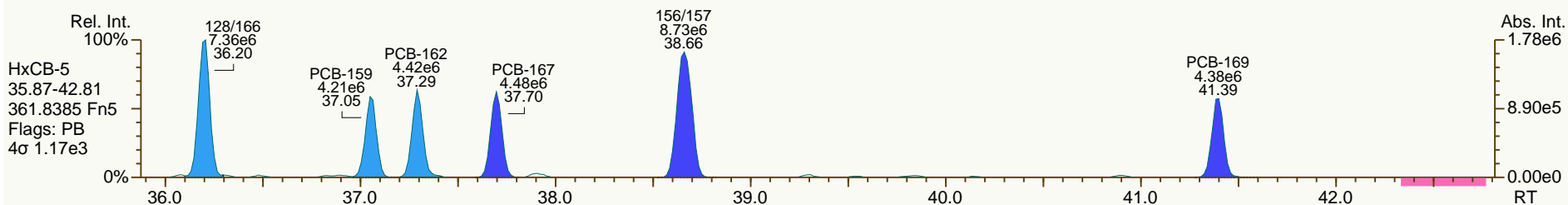
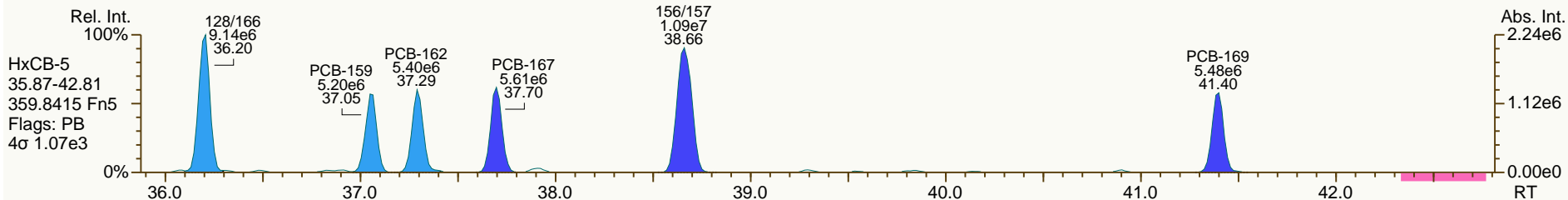
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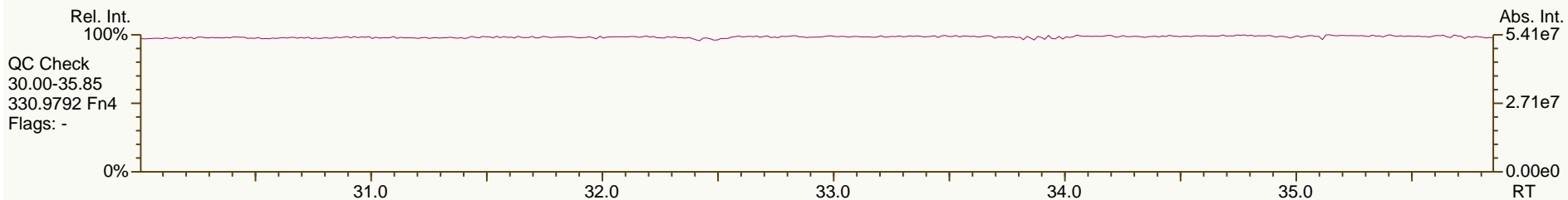
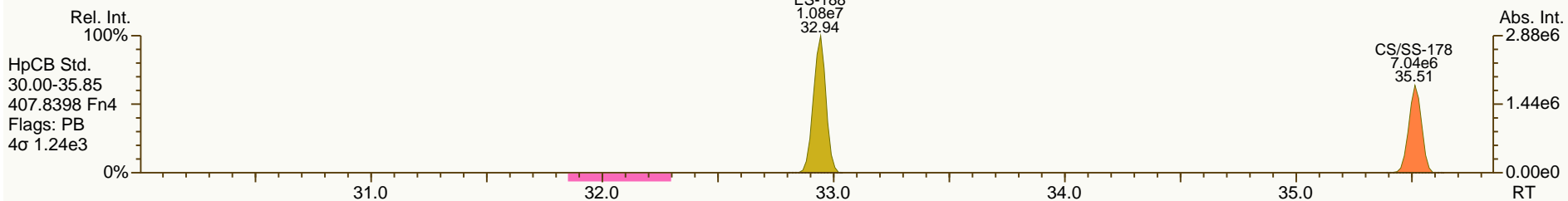
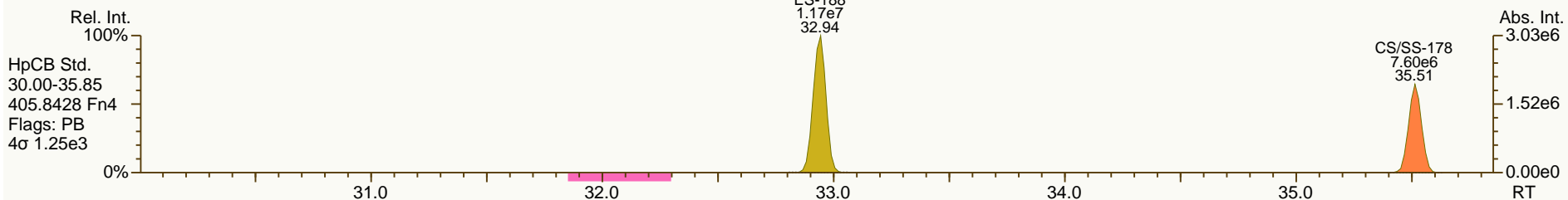
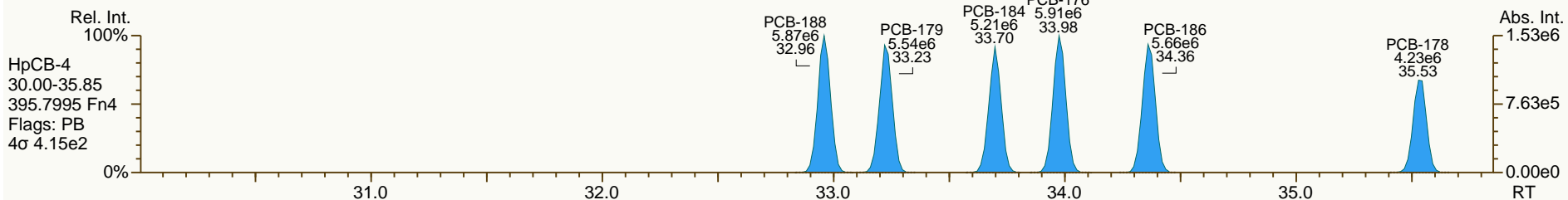
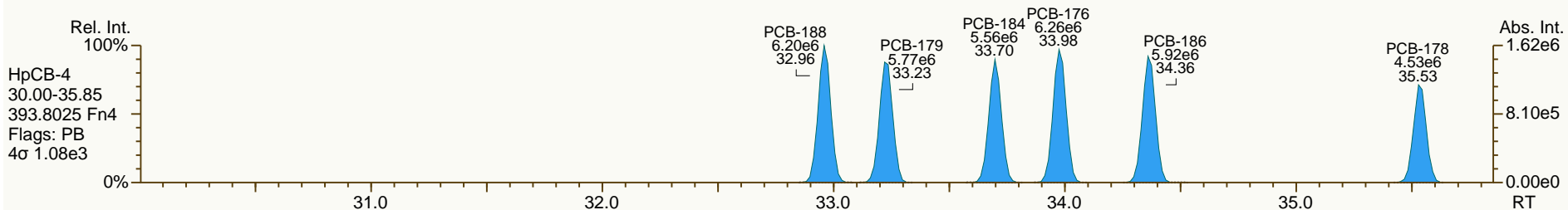
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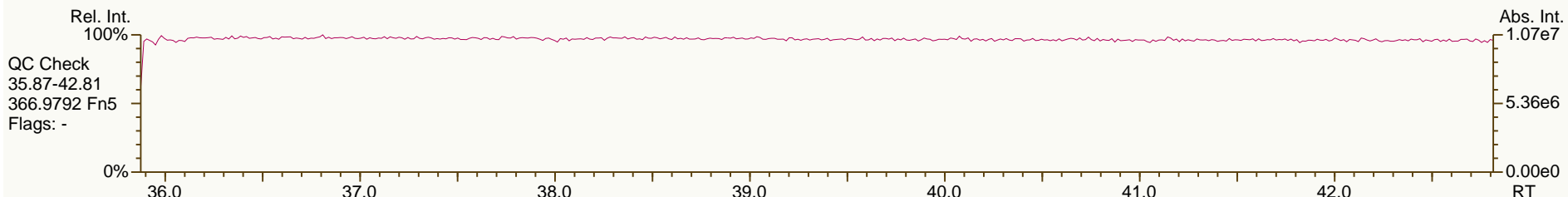
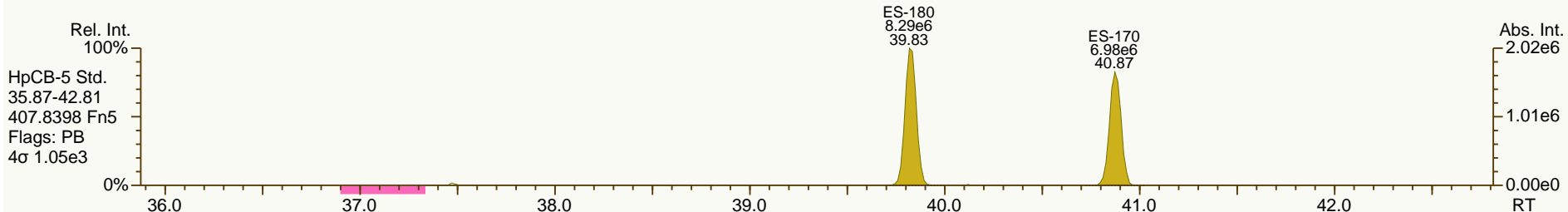
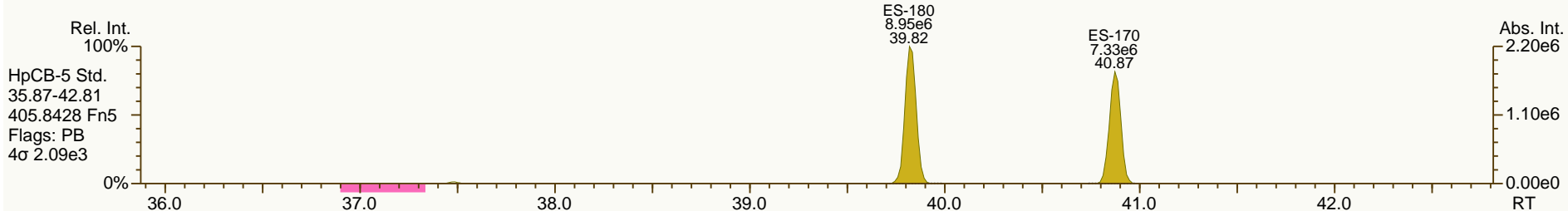
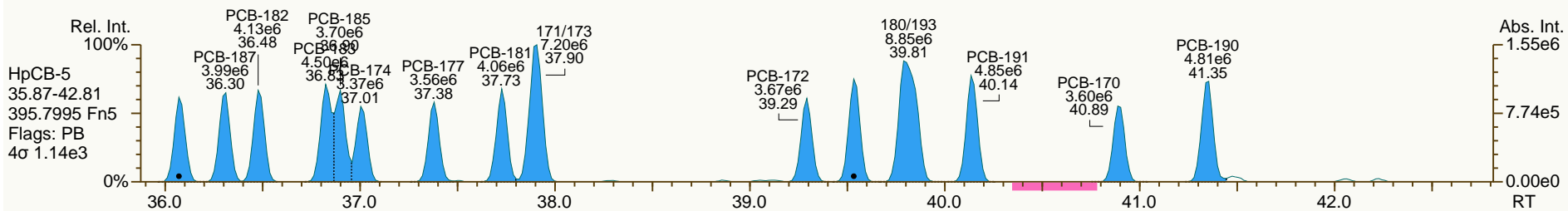
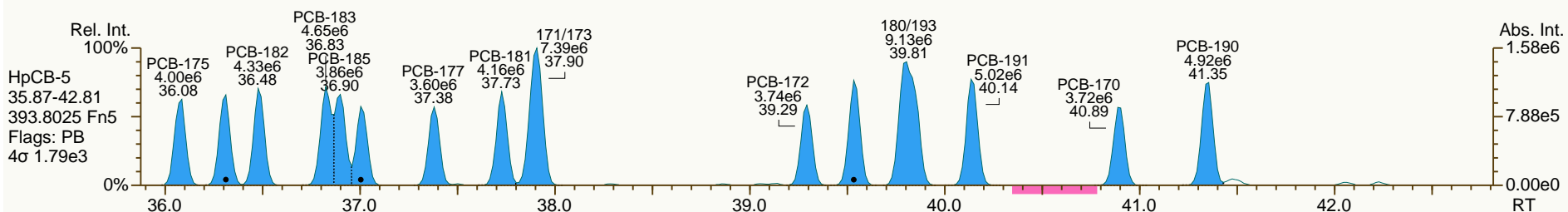
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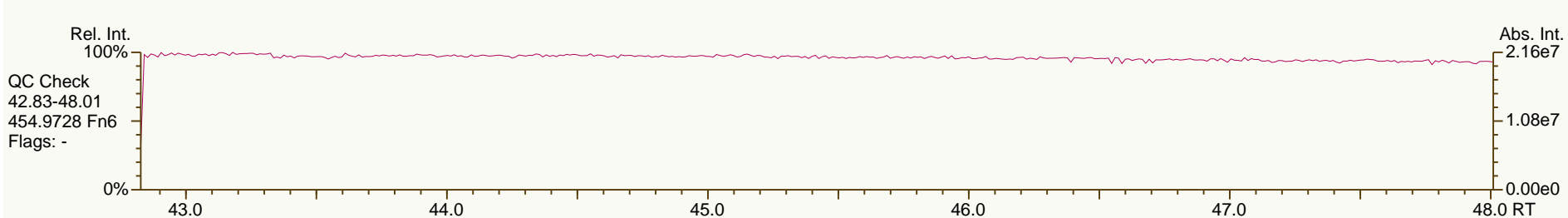
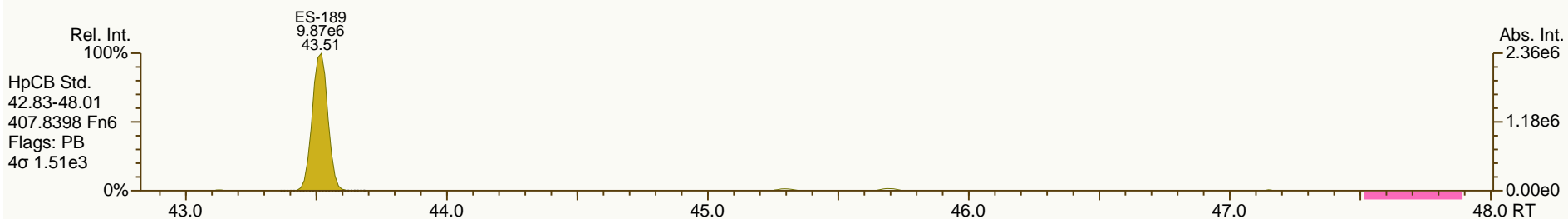
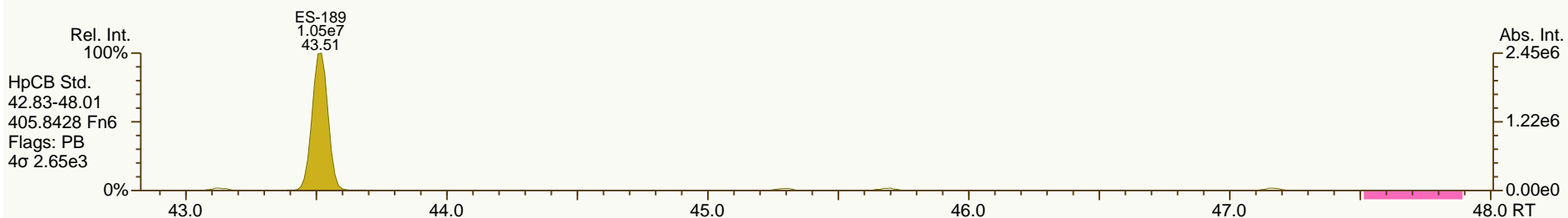
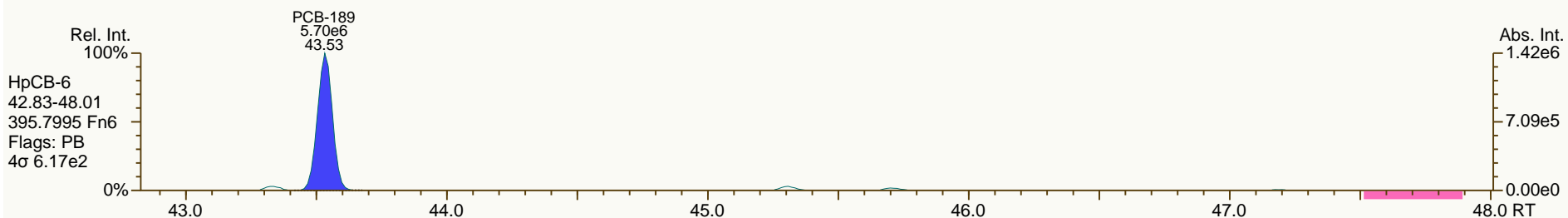
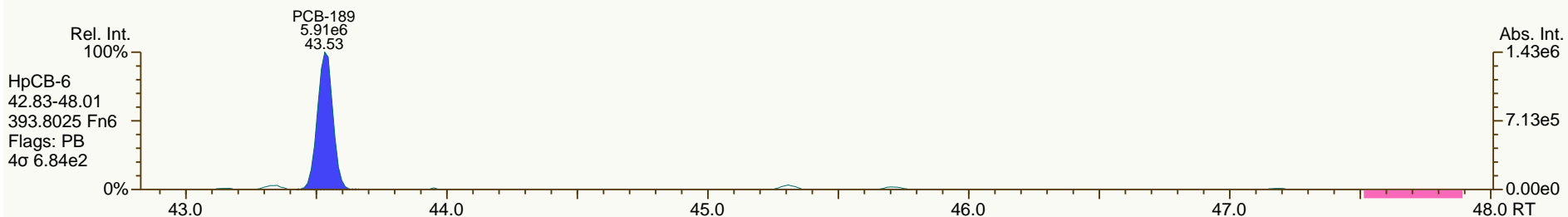
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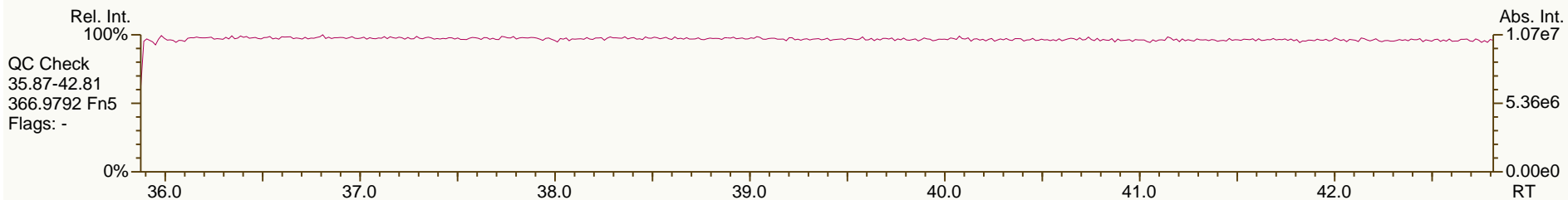
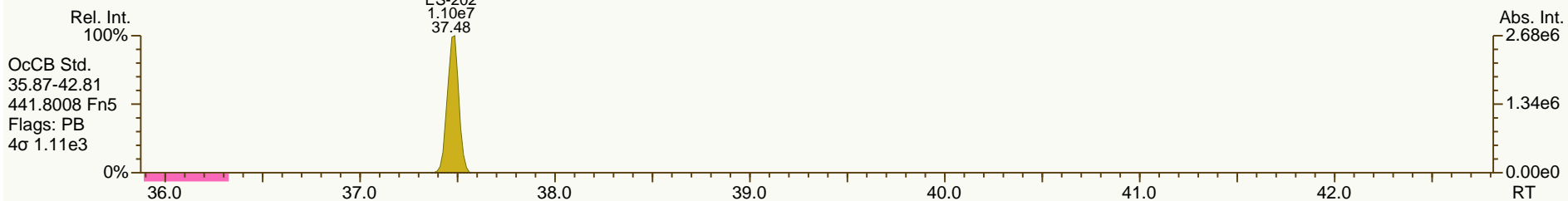
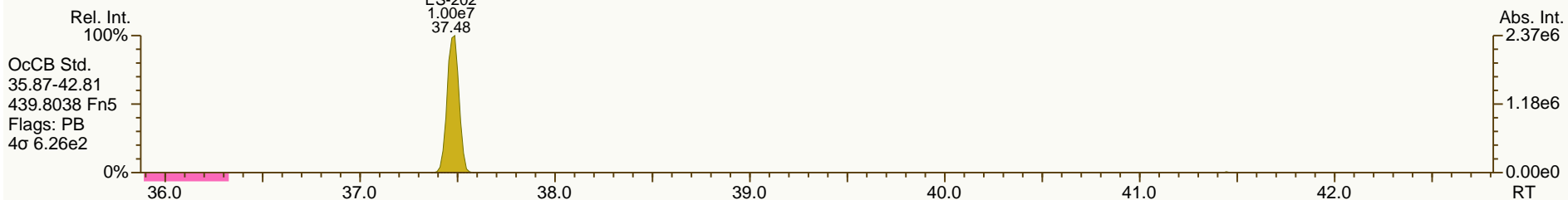
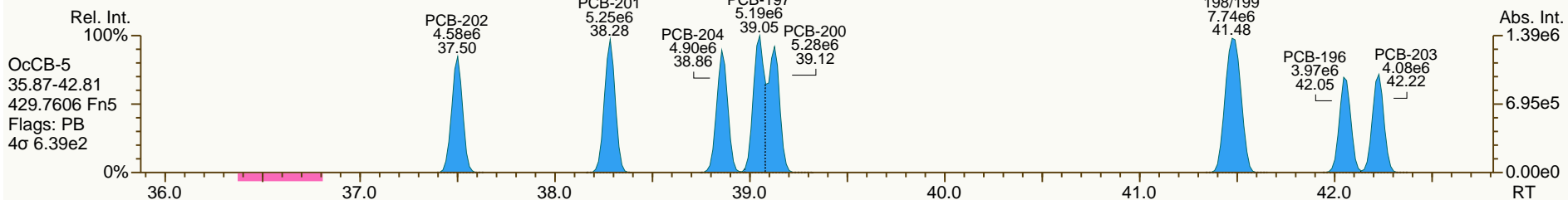
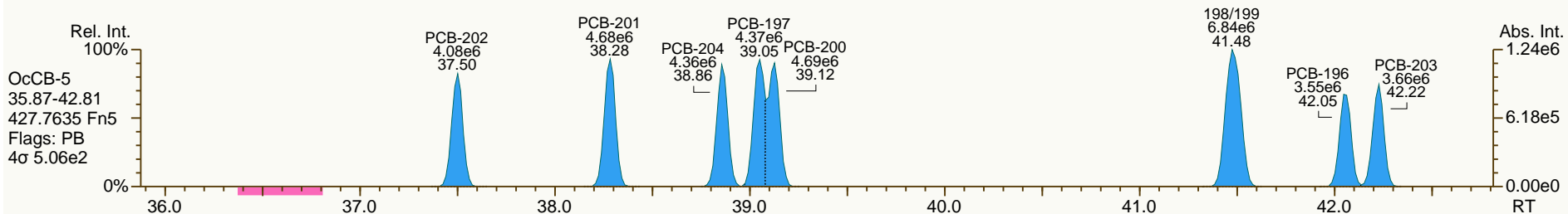
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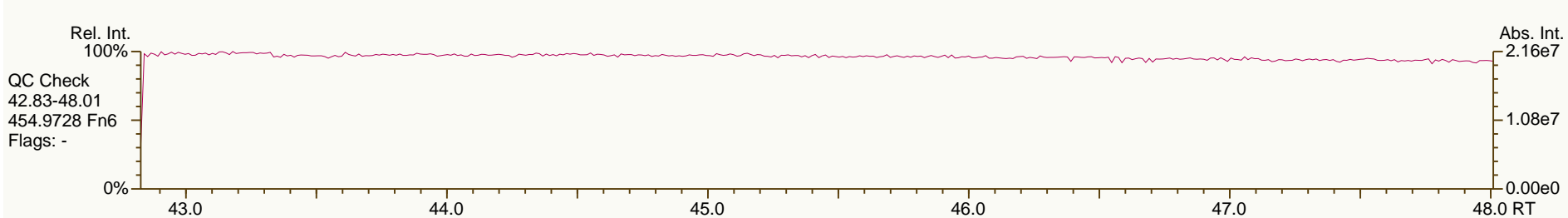
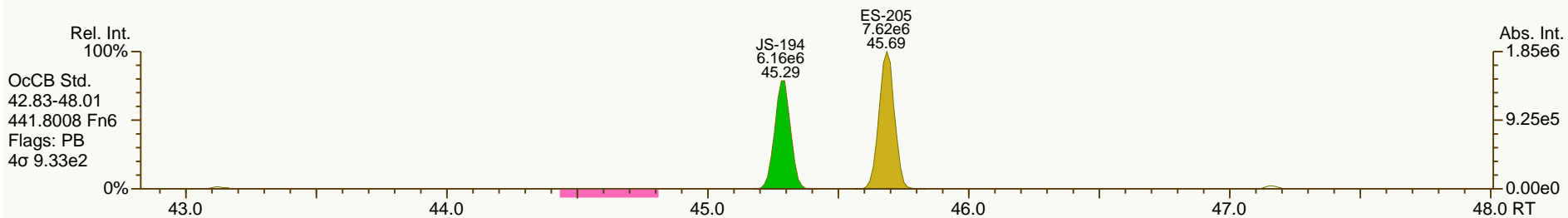
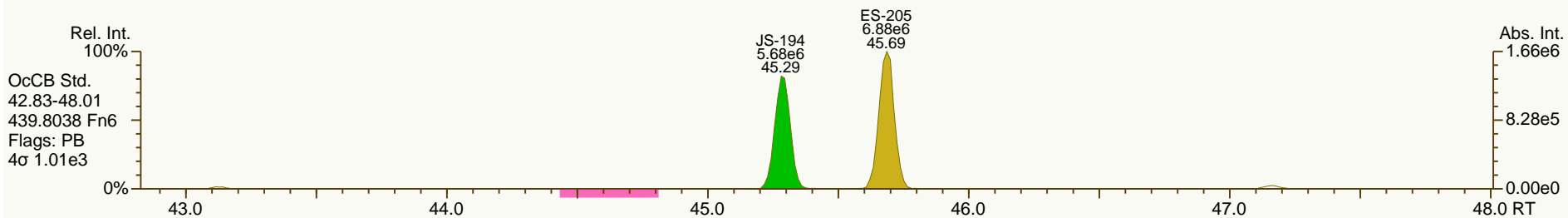
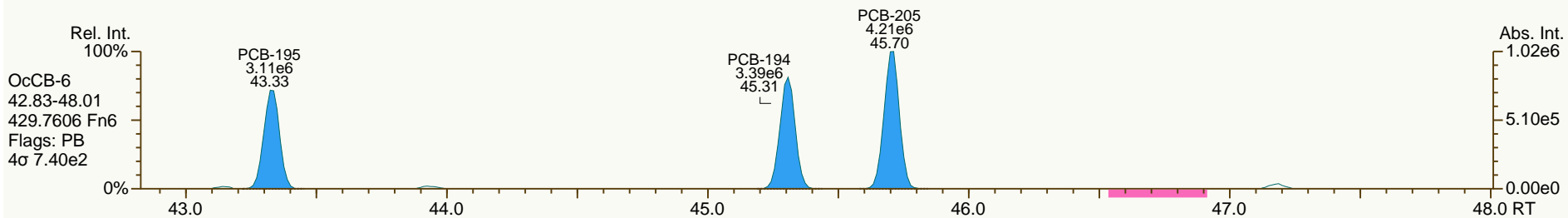
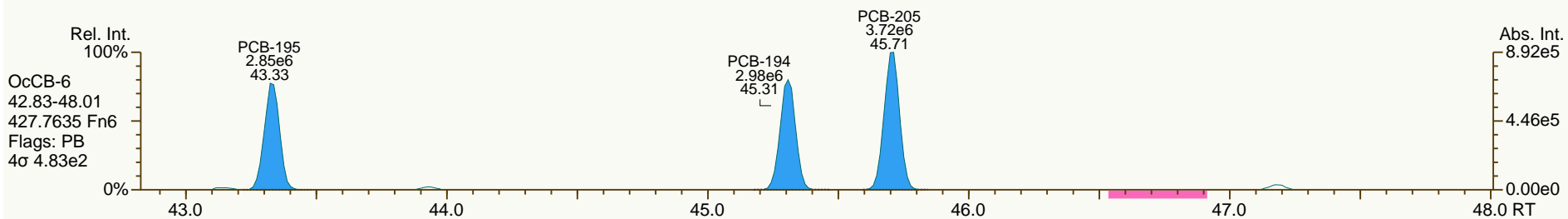
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

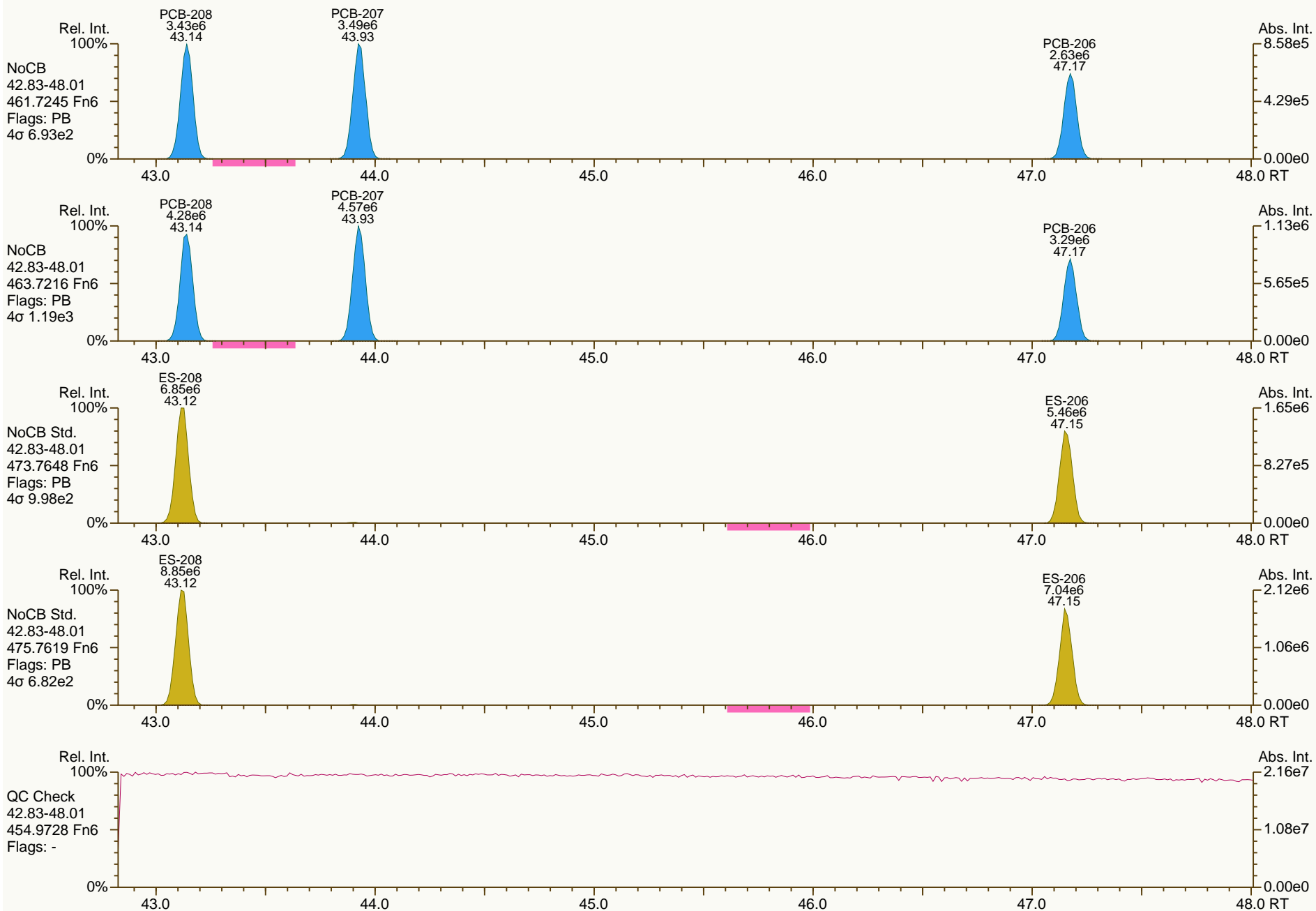
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

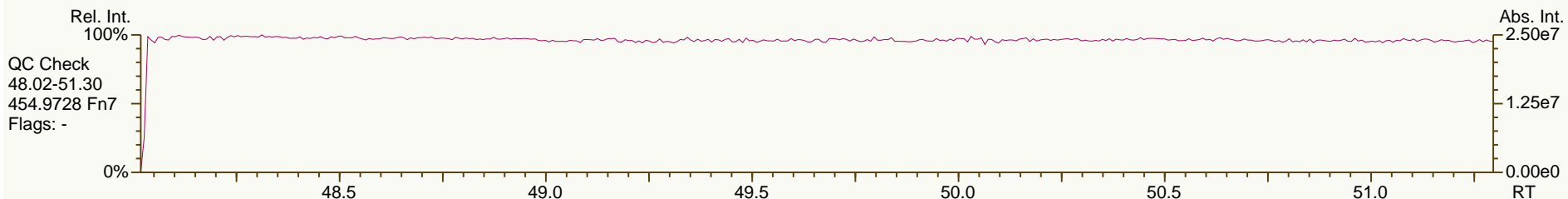
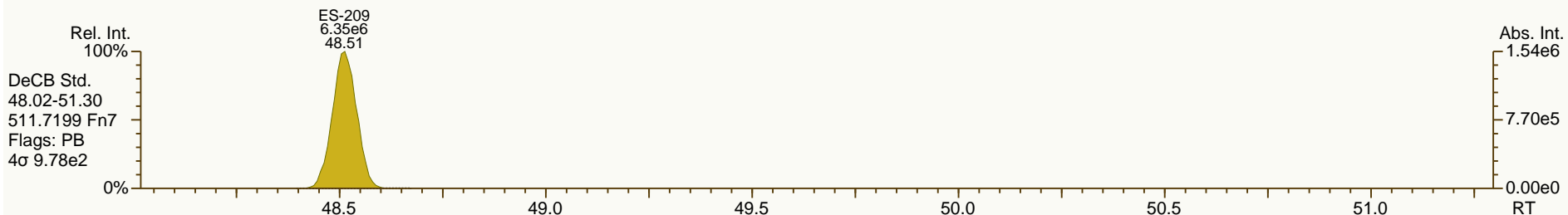
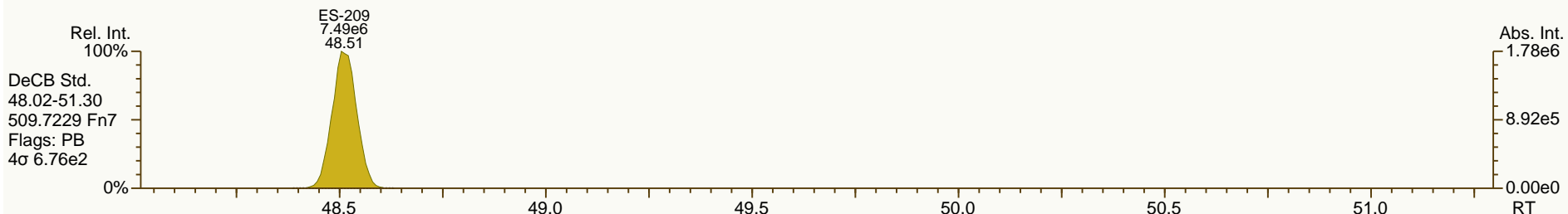
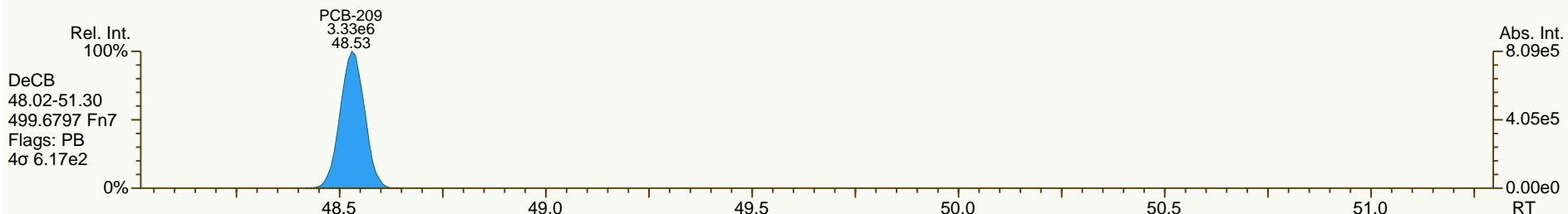
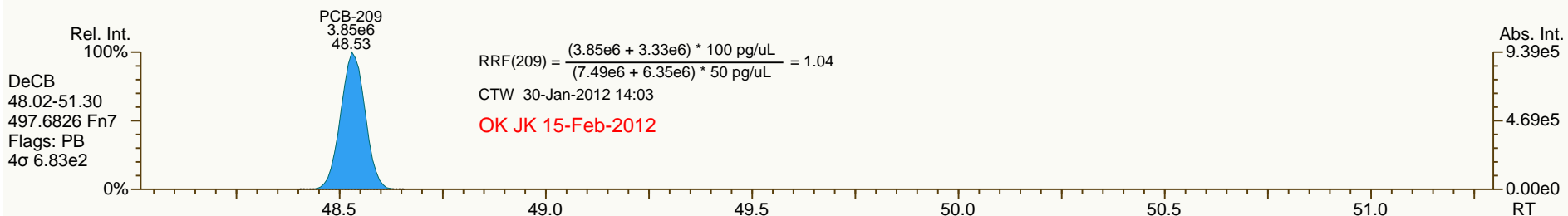
Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



AP Lab ID: CS3_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 23

Acq: 26-Jan-2012 18:54:44
 User: CTW Datafile: 120126S06



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12						
Acquired:	26-JAN-2012 19:49							
Datafile:	120126S07							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	30.51	1.37E+08	0.80 Y	1.22	1.27	4.0%		
PCB-81 344'5'-TeCB	30.04	1.33E+08	0.79 Y	1.24	1.29	3.8%		
PCB-105 233'44'-PeCB	33.49	9.05E+07	0.61 Y	1.03	1.08	5.4%		
PCB-114 2344'5'-PeCB	32.95	9.86E+07	0.62 Y	1.10	1.14	4.1%		
PCB-118 23'44'5'-PeCB	32.51	9.58E+07	0.62 Y	1.03	1.11	7.1%		
PCB-123 2'344'5'-PeCB	32.22	9.11E+07	0.62 Y	0.93	0.99	6.9%		
PCB-126 33'44'5'-PeCB	36.11	1.05E+08	0.62 Y	1.11	1.12	0.3%		
PCB-156/157 233'44'5'/233'44'5'	38.66	1.80E+08	1.25 Y	1.05	1.11	5.7%		
PCB-167 23'44'55'-HxCB	37.70	9.36E+07	1.25 Y	1.08	1.15	6.8%		
PCB-169 33'44'55'-HxCB	41.40	8.91E+07	1.25 Y	1.04	1.08	3.4%		
PCB-189 233'44'55'-HpCB	43.53	1.05E+08	1.04 Y	1.11	1.18	6.3%		
PCB-209 DeCB	48.53	6.57E+07	1.20 Y	1.05	1.07	2.1%		
ES PCB-1	10.48	3.64E+07	3.14 Y	1.01	1.02	0.3%		
ES PCB-3	12.53	3.81E+07	3.17 Y	1.05	1.06	1.0%		
ES PCB-4	12.76	2.54E+07	1.57 Y	0.70	0.71	1.6%		
ES PCB-15	18.10	4.25E+07	1.59 Y	1.17	1.19	1.3%		
ES PCB-19	15.60	2.07E+07	1.02 Y	0.57	0.58	2.2%		
ES PCB-37	24.23	3.11E+07	1.08 Y	1.41	1.41	-0.2%		
ES PCB-54	18.35	2.89E+07	0.78 Y	1.32	1.31	-0.8%		
ES PCB-77	30.49	2.69E+07	0.79 Y	1.22	1.22	0.0%		
ES PCB-81	30.02	2.57E+07	0.81 Y	1.15	1.16	1.1%		
ES PCB-104	23.18	2.86E+07	1.59 Y	1.69	1.63	-3.5%		
ES PCB-105	33.47	2.09E+07	1.59 Y	1.21	1.19	-1.2%		
ES PCB-114	32.93	2.16E+07	1.61 Y	1.23	1.23	-0.2%		
ES PCB-118	32.48	2.16E+07	1.58 Y	1.25	1.23	-1.1%		
ES PCB-123	32.20	2.30E+07	1.59 Y	1.33	1.31	-1.1%		
ES PCB-126	36.09	2.35E+07	1.64 Y	1.36	1.34	-1.3%		
ES PCB-153	34.08	1.94E+07	1.30 Y	1.09	1.07	-1.0%		
ES PCB-155	28.08	2.52E+07	1.29 Y	1.40	1.40	-0.5%		
ES PCB-156/157	38.64	4.07E+07	1.25 Y	1.13	1.13	-0.6%		
ES PCB-167	37.68	2.03E+07	1.27 Y	1.13	1.12	-0.7%		
ES PCB-169	41.38	2.06E+07	1.26 Y	1.14	1.14	0.0%		
ES PCB-170	40.88	1.60E+07	1.07 Y	1.23	1.23	0.1%		
ES PCB-180	39.83	1.89E+07	1.06 Y	1.46	1.46	-0.6%		
ES PCB-188	32.94	2.43E+07	1.08 Y	1.34	1.34	0.3%		
ES PCB-189	43.52	2.22E+07	1.07 Y	1.77	1.71	-3.0%		
ES PCB-202	37.48	2.29E+07	0.89 Y	1.27	1.27	-0.4%		
ES PCB-205	45.69	1.61E+07	0.89 Y	1.25	1.24	-0.5%		
ES PCB-206	47.16	1.39E+07	0.77 Y	1.07	1.07	0.4%		
ES PCB-208	43.12	1.73E+07	0.78 Y	1.34	1.33	-0.4%		
ES PCB-209	48.51	1.53E+07	1.16 Y	1.18	1.18	-0.3%		

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.77	3.04E+07	1.09 Y	0.98	0.98	-0.4%	
SS PCB-111	30.55	2.02E+07	1.63 Y	0.90	0.88	-2.3%	
SS PCB-178	35.51	1.52E+07	1.07 Y	0.65	0.63	-3.0%	
CS PCB-28	20.77	3.04E+07	1.09 Y	1.39	1.38	-0.6%	
CS PCB-111	30.55	2.02E+07	1.63 Y	1.19	1.15	-3.4%	
CS PCB-178	35.51	1.52E+07	1.07 Y	0.87	0.84	-2.7%	
JS PCB-9	14.59	3.58E+07	1.60 Y	-	-	-	
JS PCB-52	22.35	2.21E+07	0.78 Y	-	-	-	
JS PCB-101	28.26	1.76E+07	1.58 Y	-	-	-	
JS PCB-138	35.12	1.81E+07	1.23 Y	-	-	-	
JS PCB-194	45.29	1.30E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	2.1%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6'-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-153 22'44'55' -HxCB	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-180 22'344'55'-HpCB	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.49	1.78E+08	3.14 Y	1.20	1.22	1.2%	
PCB-2 3-MoCB	12.38	1.79E+08	3.13 Y	1.13	1.17	3.9%	
PCB-3 4-MoCB	12.55	1.76E+08	3.11 Y	1.13	1.16	2.4%	
PCB-4 22'-DiCB	12.77	9.70E+07	1.54 Y	0.94	0.95	1.1%	
PCB-10 26-DiCB	12.94	1.46E+08	1.55 Y	1.43	1.44	0.6%	
PCB-9 25-DiCB	14.61	1.49E+08	1.56 Y	0.87	0.88	1.2%	
PCB-7 24-DiCB	14.76	1.72E+08	1.54 Y	1.00	1.01	0.7%	
PCB-6 23'-DiCB	14.97	1.60E+08	1.54 Y	0.94	0.94	0.3%	
PCB-5 23-DiCB	15.24	1.60E+08	1.56 Y	0.92	0.94	2.5%	
PCB-8 24'-DiCB	15.36	1.63E+08	1.55 Y	0.95	0.96	1.2%	
PCB-14 35-DiCB	16.83	1.90E+08	1.54 Y	1.09	1.12	2.4%	
PCB-11 33'-DiCB	17.57	1.67E+08	1.54 Y	0.98	0.99	0.9%	
PCB-13/12 34'-/34-DiCB	17.84	3.39E+08	1.54 Y	0.97	1.00	2.8%	
PCB-15 44'-DiCB	18.11	1.77E+08	1.53 Y	1.01	1.04	3.7%	
PCB-19 22'6-TrCB	15.62	8.60E+07	1.04 Y	1.01	1.04	2.6%	
PCB-30/18 246-/22'5-TrCB	17.29	2.24E+08	1.06 Y	1.29	1.35	4.5%	
PCB-17 22'4-TrCB	17.67	9.70E+07	1.02 Y	1.14	1.17	2.9%	
PCB-27 23'6-TrCB	17.86	1.29E+08	1.03 Y	1.48	1.56	4.9%	
PCB-24 236-TrCB	17.98	1.22E+08	1.02 Y	1.43	1.47	2.8%	
PCB-16 22'3-TrCB	18.06	7.70E+07	1.03 Y	0.89	0.93	3.9%	
PCB-32 24'6-TrCB	18.53	1.34E+08	1.02 Y	1.56	1.62	3.7%	
PCB-34 2'35-TrCB	19.65	1.48E+08	1.07 Y	1.18	1.19	1.2%	
PCB-23 235-TrCB	19.79	1.50E+08	1.06 Y	1.19	1.21	1.7%	
PCB-26/29 23'5-/245-TrCB	20.07	3.04E+08	1.06 Y	1.20	1.22	2.0%	
PCB-25 23'4-TrCB	20.26	1.52E+08	1.06 Y	1.19	1.22	2.7%	
PCB-31 24'5-TrCB	20.53	1.58E+08	1.05 Y	1.23	1.27	3.9%	
PCB-28/20 244'-/233'-TrCB	20.79	3.02E+08	1.06 Y	1.18	1.21	2.8%	
PCB-21/33 234-/2'34-TrCB	20.96	3.12E+08	1.06 Y	1.21	1.25	3.3%	
PCB-22 234'-TrCB	21.33	1.43E+08	1.05 Y	1.11	1.15	3.2%	
PCB-36 33'5-TrCB	22.70	1.58E+08	1.06 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.01	1.64E+08	1.06 Y	1.32	1.32	0.0%	
PCB-38 345-TrCB	23.51	1.48E+08	1.06 Y	1.15	1.19	2.7%	
PCB-35 33'4-TrCB	23.90	1.46E+08	1.07 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.25	1.55E+08	1.06 Y	1.20	1.24	3.8%	
PCB-54 22'66'-TeCB	18.37	1.12E+08	0.78 Y	0.93	0.97	3.6%	
PCB-50/53 22'46-/22'56'TeCB	20.30	1.77E+08	0.78 Y	0.83	0.86	3.3%	
PCB-45 22'36'-TeCB	20.85	7.36E+07	0.80 Y	0.71	0.72	1.6%	
PCB-51 22'46'-TeCB	20.93	9.38E+07	0.80 Y	0.88	0.91	4.0%	
PCB-46 22'36'-TeCB	21.12	7.35E+07	0.78 Y	0.69	0.72	3.0%	
PCB-52 22'55'-TeCB	22.38	8.45E+07	0.80 Y	0.80	0.82	2.6%	
PCB-73 23'5'6TeCB	22.50	1.08E+08	0.79 Y	1.03	1.05	1.6%	
PCB-43 22'35'-TeCB	22.59	7.51E+07	0.80 Y	0.71	0.73	3.6%	
PCB-69/49 23'46-/22'45'TeCB	22.79	2.04E+08	0.79 Y	0.96	0.99	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.05	8.63E+07	0.80 Y	0.84	0.84	0.6%	
PCB-44/47/65 22'35'-/22'44'-	23.26	2.71E+08	0.79 Y	0.86	0.88	2.3%	
PCB-59/62/75 233'6'-/2346-/24	23.53	3.43E+08	0.80 Y	1.09	1.11	1.9%	
PCB-42 22'34'-TeCB	23.69	8.10E+07	0.78 Y	0.77	0.79	3.0%	
PCB-41 22'34'-TeCB	24.01	7.57E+07	0.76 Y	0.73	0.74	1.6%	
PCB-71/40 23'4'6/22'33'-TeCB	24.11	1.72E+08	0.77 Y	0.81	0.84	3.1%	
PCB-64 234'6'-TeCB	24.31	1.22E+08	0.77 Y	1.17	1.19	1.6%	
PCB-72 23'55'-TeCB	25.04	1.32E+08	0.77 Y	1.25	1.29	2.8%	
PCB-68 23'45'-TeCB	25.29	1.43E+08	0.80 Y	1.36	1.39	1.9%	
PCB-57 233'5'-TeCB	25.65	1.27E+08	0.78 Y	1.22	1.24	1.3%	
PCB-58 233'5'-TeCB	25.85	1.31E+08	0.77 Y	1.26	1.28	1.9%	
PCB-67 23'45'-TeCB	26.00	1.34E+08	0.77 Y	1.27	1.30	2.3%	
PCB-63 234'5'-TeCB	26.22	1.41E+08	0.79 Y	1.34	1.37	2.6%	
PCB-61/70/74/76 2345-/23'4'5	26.50	5.25E+08	0.80 Y	1.24	1.28	2.7%	
PCB-66 23'44'-TeCB	26.78	1.24E+08	0.78 Y	1.19	1.20	1.4%	
PCB-55 233'4'-TeCB	26.92	1.27E+08	0.78 Y	1.22	1.24	1.8%	
PCB-56 233'4'-TeCB	27.35	1.22E+08	0.78 Y	1.18	1.19	1.1%	
PCB-60 2344'-TeCB	27.53	1.29E+08	0.77 Y	1.24	1.26	1.5%	
PCB-80 33'55'-TeCB	27.91	1.44E+08	0.79 Y	1.37	1.40	2.0%	
PCB-79 33'45'-TeCB	29.20	1.49E+08	0.79 Y	1.37	1.45	5.7%	
PCB-78 33'45'-TeCB	29.67	1.25E+08	0.79 Y	1.19	1.22	2.3%	
PCB-104 22'466'-PeCB	23.20	1.10E+08	0.61 Y	0.92	0.97	5.4%	
PCB-96 22'366'-PeCB	23.50	9.68E+07	0.62 Y	0.81	0.85	4.6%	
PCB-103 22'45'6'-PeCB	25.20	7.50E+07	0.62 Y	0.78	0.81	5.0%	
PCB-94 22'356'-PeCB	25.37	6.67E+07	0.62 Y	0.71	0.72	1.7%	
PCB-95 22'35'6'-PeCB	25.75	6.86E+07	0.61 Y	0.74	0.74	0.3%	
PCB-100/93 22'44'6-/22'356-P	25.96	1.40E+08	0.62 Y	0.75	0.76	2.0%	
PCB-102 22'456'-PeCB	26.07	6.72E+07	0.62 Y	0.75	0.73	-2.5%	
PCB-98 22'3'46'-PeCB	26.13	7.34E+07	0.64 Y	0.71	0.80	12.1%	
PCB-88 22'346'-PeCB	26.42	6.10E+07	0.61 Y	0.66	0.66	-0.3%	
PCB-91 22'34'6'-PeCB	26.49	8.32E+07	0.63 Y	0.84	0.90	7.7%	
PCB-84 22'33'6'-PeCB	26.67	6.18E+07	0.62 Y	0.65	0.67	3.3%	
PCB-89 22'346'-PeCB	27.08	6.43E+07	0.62 Y	0.69	0.70	1.6%	
PCB-121 23'45'6'-PeCB	27.47	9.14E+07	0.61 Y	0.98	0.99	1.0%	
PCB-92 22'355'-PeCB	27.78	6.73E+07	0.62 Y	0.72	0.73	2.1%	
PCB-113/90/101 233'5'6-/22'3	28.25	2.34E+08	0.62 Y	0.81	0.85	4.7%	
PCB-83 22'33'5'-PeCB	28.67	6.11E+07	0.62 Y	0.62	0.66	6.5%	
PCB-99 22'44'5'-PeCB	28.78	7.09E+07	0.63 Y	0.76	0.77	0.7%	
PCB-112 233'56'-PeCB	28.87	9.37E+07	0.62 Y	0.96	1.02	5.5%	
PCB-108/119/86/97/125/87 233	29.21	4.80E+08	0.62 Y	0.83	0.87	5.2%	
PCB-117 234'56'-PeCB	29.74	8.70E+07	0.61 Y	0.94	0.94	0.5%	
PCB-116/85 23456-/22'344'-Pe	29.82	1.57E+08	0.62 Y	0.81	0.86	5.8%	
PCB-110 233'4'6'-PeCB	29.94	8.71E+07	0.62 Y	0.92	0.95	2.8%	

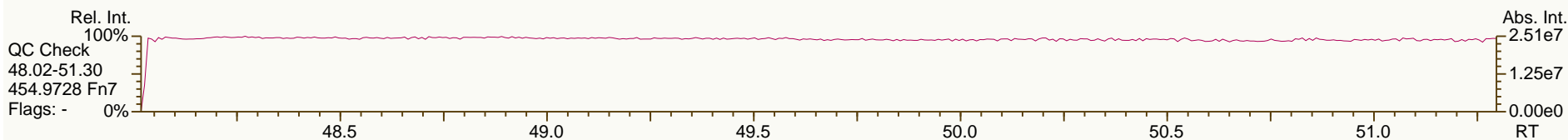
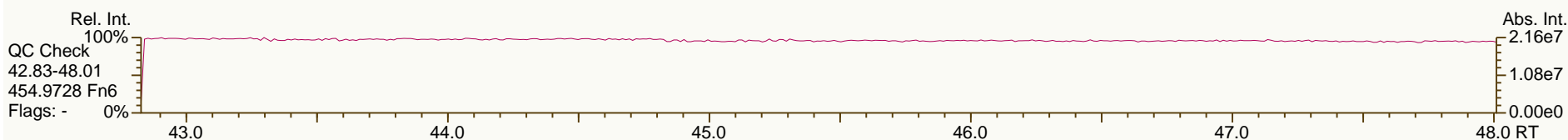
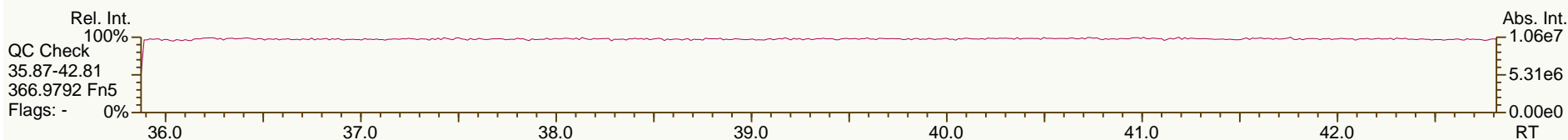
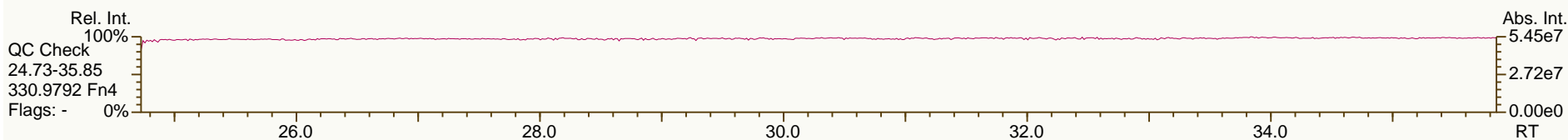
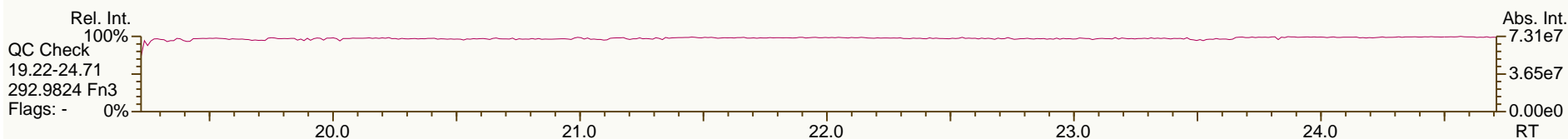
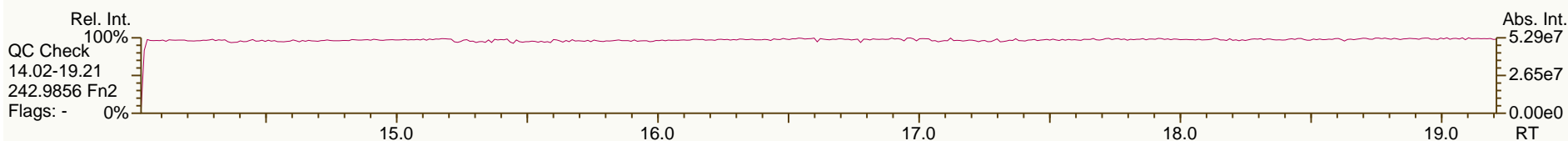
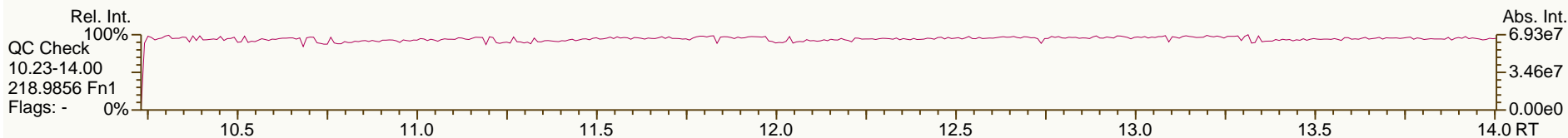
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.03	9.15E+07	0.63 Y	0.95	0.99	4.8%	
PCB-82 22'33'4-PeCB	30.21	5.96E+07	0.62 Y	0.62	0.65	5.1%	
PCB-111 233'55'-PeCB	30.58	9.52E+07	0.62 Y	0.98	1.03	5.0%	
PCB-120 23'455'-PeCB	30.97	9.50E+07	0.62 Y	0.99	1.03	3.9%	
PCB-107/124 233'4'5-/2'3455'	31.92	1.78E+08	0.62 Y	0.92	0.97	5.2%	
PCB-109 233'46-PeCB	32.12	9.70E+07	0.61 Y	1.00	1.05	5.9%	
PCB-106 233'45-PeCB	32.32	9.36E+07	0.62 Y	0.96	1.02	5.7%	
PCB-122 2'33'45-PeCB	32.78	8.27E+07	0.63 Y	0.93	0.96	3.3%	
PCB-127 33'455'-PeCB	34.75	9.23E+07	0.62 Y	1.04	1.10	6.0%	
PCB-155 22'44'66'-HxCB	28.11	1.08E+08	1.27 Y	1.06	1.07	1.4%	
PCB-152 22'3566'-HxCB	28.24	1.01E+08	1.26 Y	0.98	1.01	2.4%	
PCB-150 22'34'66'-HxCB	28.39	1.02E+08	1.28 Y	0.99	1.01	2.5%	
PCB-136 22'33'66'-HxCB	28.68	9.46E+07	1.27 Y	0.92	0.94	1.9%	
PCB-145 22'3466'HxCB	28.95	9.63E+07	1.27 Y	0.94	0.95	1.7%	
PCB-148 22'34'56'-HxCB	30.25	7.55E+07	1.25 Y	0.95	0.97	2.7%	
PCB-151/135 22'355'6-/22'33'	30.76	1.48E+08	1.27 Y	0.92	0.95	4.0%	
PCB-154 22'44'5'6-HxCB	30.98	8.25E+07	1.27 Y	1.01	1.06	4.8%	
PCB-144 22'345'6-HxCB	31.23	7.56E+07	1.27 Y	0.93	0.97	4.6%	
PCB-147/149 22'34'56-/22'34'	31.53	1.52E+08	1.24 Y	0.94	0.98	4.3%	
PCB-134 22'33'56-HxCB	31.69	6.25E+07	1.24 Y	0.78	0.81	2.7%	
PCB-143 22'3456'-HxCB	31.77	7.39E+07	1.27 Y	0.90	0.95	6.3%	
PCB-139/140 22'344'6-/22'344'	32.04	1.53E+08	1.28 Y	0.95	0.99	4.0%	
PCB-131 22'33'46-HxCB	32.20	6.82E+07	1.26 Y	0.84	0.88	5.0%	
PCB-142 22'3456-HxCB	32.34	7.01E+07	1.26 Y	0.87	0.90	3.8%	
PCB-132 22'33'46'-HxCB	32.58	6.98E+07	1.27 Y	0.88	0.90	2.7%	
PCB-133 22'33'55'-HxCB	33.03	7.22E+07	1.27 Y	0.89	0.93	4.6%	
PCB-165 233'55'6-HxCB	33.37	8.69E+07	1.27 Y	1.06	1.12	5.2%	
PCB-146 22'34'55'-HxCB	33.58	7.82E+07	1.26 Y	0.94	1.01	6.8%	
PCB-161 233'45'6-HxCB	33.69	9.62E+07	1.28 Y	1.20	1.24	3.4%	
PCB-153/168 22'44'55'-/23'44'	34.12	1.87E+08	1.24 Y	1.15	1.20	4.7%	
PCB-141 22'3455'-HxCB	34.25	7.19E+07	1.26 Y	0.91	0.93	1.3%	
PCB-130 22'33'45'-HxCB	34.59	6.70E+07	1.23 Y	0.82	0.86	5.0%	
PCB-137 22'344'5-HxCB	34.79	8.38E+07	1.23 Y	1.00	1.08	7.5%	
PCB-164 233'4'5'6-HxCB	34.88	9.23E+07	1.26 Y	1.14	1.19	4.6%	
PCB-163/138/129 233'4'56-/22'	35.16	2.39E+08	1.26 Y	0.98	1.03	4.3%	
PCB-160 233'456-HxCB	35.29	9.52E+07	1.27 Y	1.14	1.23	7.3%	
PCB-158 233'44'6-HxCB	35.48	1.02E+08	1.24 Y	1.24	1.32	6.0%	
PCB-128/166 22'33'44'-/2344'5	36.20	1.50E+08	1.24 Y	0.86	0.92	6.8%	
PCB-159 233'455'-HxCB	37.05	8.80E+07	1.24 Y	1.03	1.09	5.7%	
PCB-162 233'4'55'-HxCB	37.30	9.10E+07	1.24 Y	1.04	1.12	8.1%	
PCB-188 22'34'566'-HpCB	32.96	1.06E+08	1.05 Y	1.07	1.09	2.3%	
PCB-179 22'33'566'-HpCB	33.23	9.90E+07	1.06 Y	0.98	1.02	4.2%	
PCB-184 22'344'66'-HpCB	33.70	9.58E+07	1.04 Y	0.97	0.99	1.4%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS4_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 19:49						
Datafile:	120126S07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	1.07E+08	1.04 Y	1.06	1.10	3.5%	
PCB-186 22'34566'-HpCB	34.36	1.02E+08	1.03 Y	1.02	1.05	3.4%	
PCB-178 22'33'55'6'-HpCB	35.54	7.71E+07	1.04 Y	0.77	0.79	2.9%	
PCB-175 22'33'45'6'-HpCB	36.08	6.95E+07	1.05 Y	0.89	0.92	2.9%	
PCB-187 22'34'55'6'-HpCB	36.31	7.33E+07	1.02 Y	0.94	0.97	3.6%	
PCB-182 22'344'56'-HpCB	36.48	7.45E+07	1.03 Y	0.95	0.98	3.7%	
PCB-183 22'344'5'6'-HpCB	36.82	6.73E+07	1.01 Y	0.96	0.89	-7.0%	
PCB-185 22'3455'6'-HpCB	36.89	8.15E+07	1.05 Y	0.93	1.08	16.0%	
PCB-174 22'33'456'-HpCB	37.01	6.27E+07	1.03 Y	0.80	0.83	3.5%	
PCB-177 22'33'4'56'-HpCB	37.38	6.44E+07	1.04 Y	0.82	0.85	4.3%	
PCB-181 22'344'56'-HpCB	37.73	7.30E+07	1.03 Y	0.91	0.97	5.7%	
PCB-171/173 22'33'44'6'-/22'3	37.90	1.29E+08	1.02 Y	0.81	0.86	5.2%	
PCB-172 22'33'455'-HpCB	39.29	6.71E+07	1.02 Y	0.83	0.89	7.3%	
PCB-192 233'455'6'-HpCB	39.54	8.70E+07	1.03 Y	1.09	1.15	5.3%	
PCB-180/193 22'344'55'-/233'	39.81	1.62E+08	1.03 Y	1.01	1.07	5.7%	
PCB-191 233'44'5'6'-HpCB	40.14	8.94E+07	1.03 Y	1.13	1.18	4.3%	
PCB-170 22'33'44'5'-HpCB	40.89	6.69E+07	1.03 Y	1.00	1.05	4.8%	
PCB-190 233'44'56'-HpCB	41.35	8.93E+07	1.03 Y	1.35	1.40	3.1%	
PCB-202 22'33'55'66'-OcCB	37.50	7.88E+07	0.89 Y	0.83	0.86	4.2%	
PCB-201 22'33'45'66'-OcCB	38.28	8.89E+07	0.88 Y	0.93	0.97	5.0%	
PCB-204 22'344'566'-OcCB	38.86	8.54E+07	0.89 Y	0.89	0.93	4.8%	
PCB-197 22'33'44'66'-OcCB	39.05	8.66E+07	0.88 Y	0.91	0.95	3.7%	
PCB-200 22'33'4566'-OcCB	39.12	9.12E+07	0.89 Y	0.93	1.00	7.5%	
PCB-198/199 22'33'455'6'-/22'	41.48	1.30E+08	0.87 Y	0.68	0.71	4.1%	
PCB-196 22'33'44'56'-OcCB	42.06	6.68E+07	0.87 Y	0.72	0.73	1.8%	
PCB-203 22'344'55'6'-OcCB	42.22	6.98E+07	0.87 Y	0.74	0.76	3.6%	
PCB-195 22'33'44'56'-OcCB	43.33	5.38E+07	0.89 Y	0.81	0.83	2.9%	
PCB-194 22'33'44'55'-OcCB	45.31	5.87E+07	0.90 Y	0.86	0.91	6.1%	
PCB-205 233'44'55'6'-OcCB	45.71	7.28E+07	0.92 Y	1.09	1.13	3.2%	
PCB-208 22'33'455'66'-NoCB	43.14	7.04E+07	0.78 Y	0.98	1.02	4.1%	
PCB-207 22'33'44'566'-NoCB	43.93	7.31E+07	0.80 Y	1.02	1.06	4.0%	
PCB-206 22'33'44'55'6'-NoCB	47.18	5.47E+07	0.78 Y	0.93	0.98	5.3%	

AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

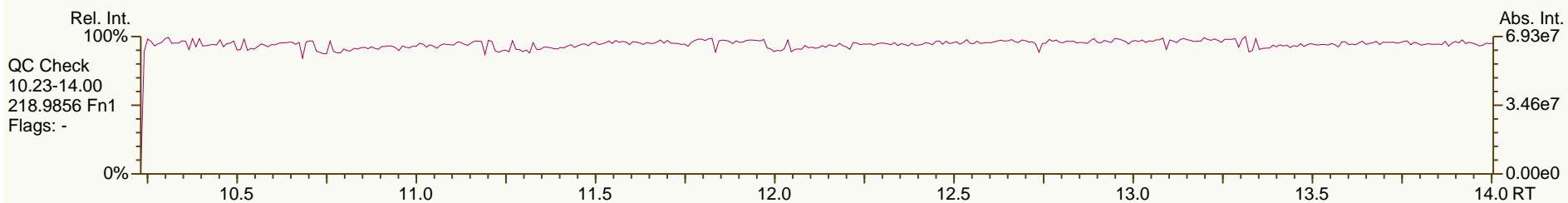
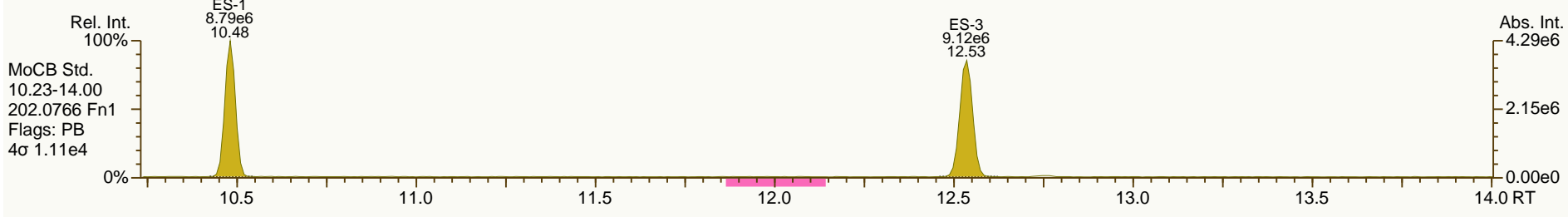
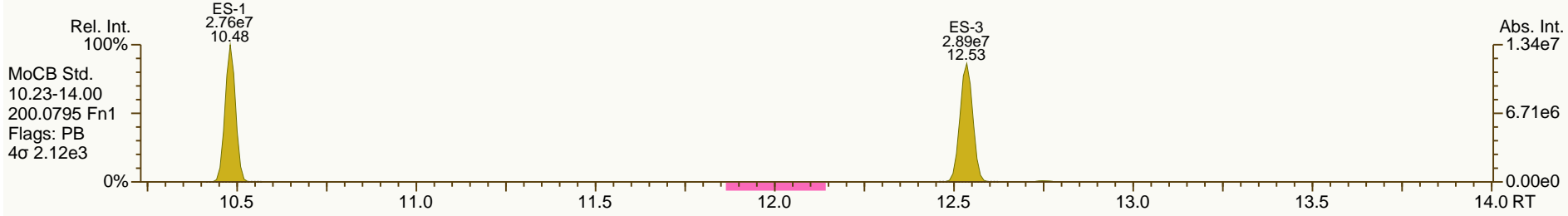
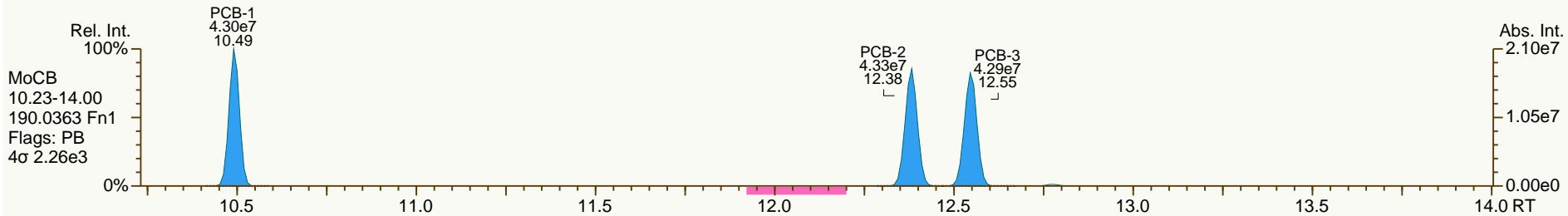
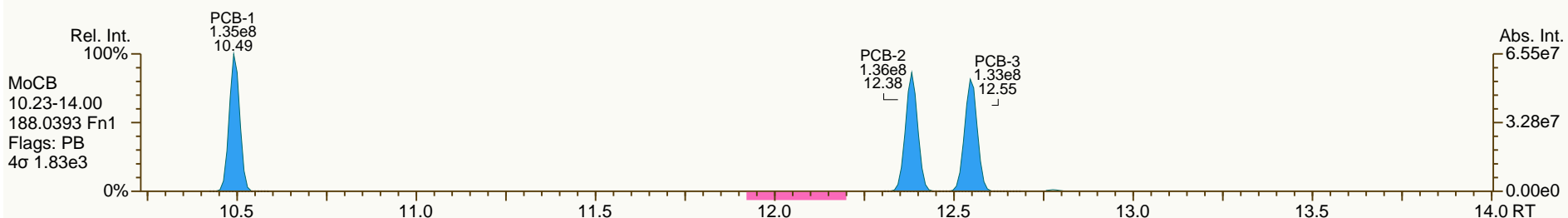
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

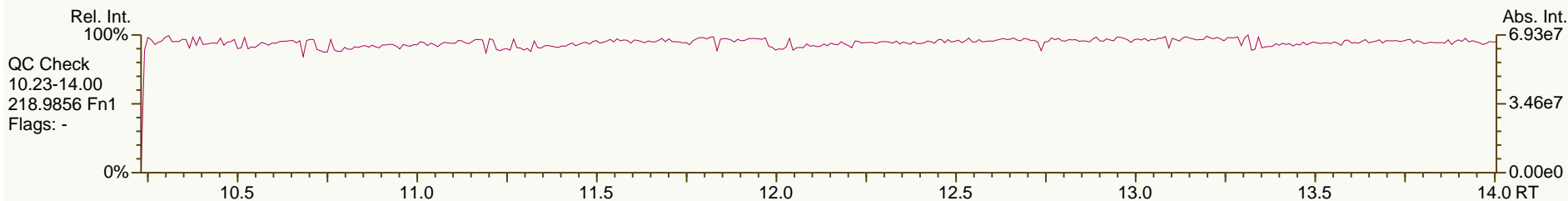
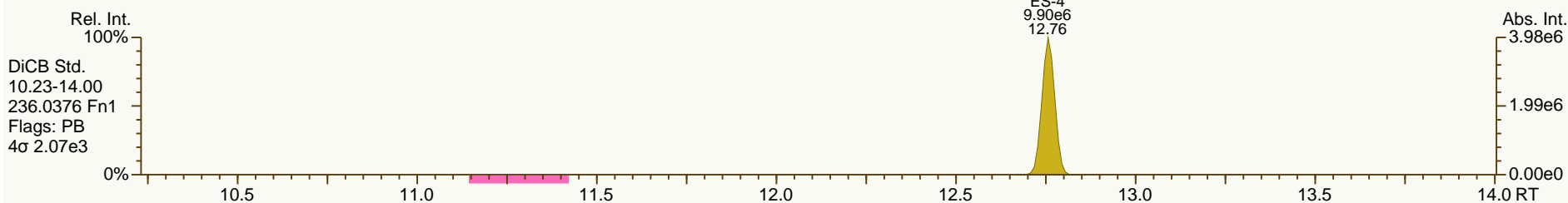
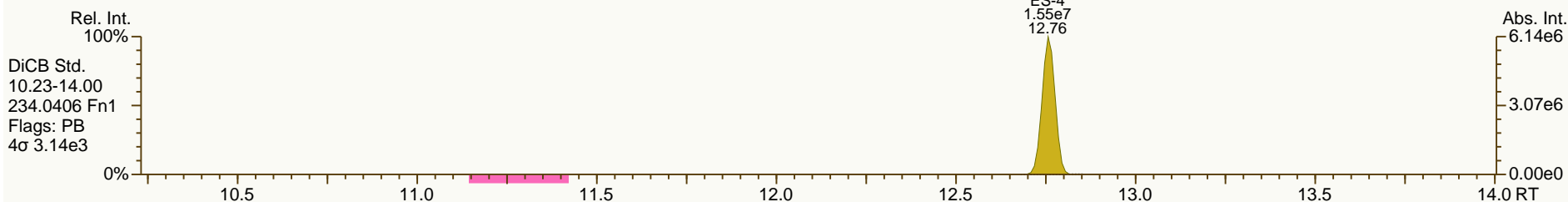
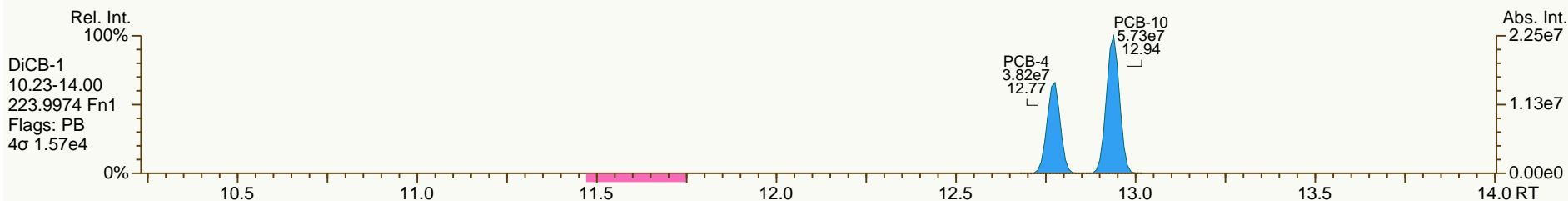
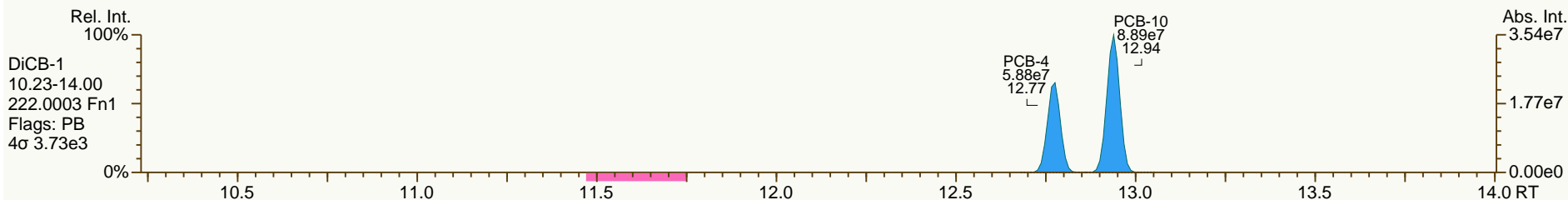
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AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

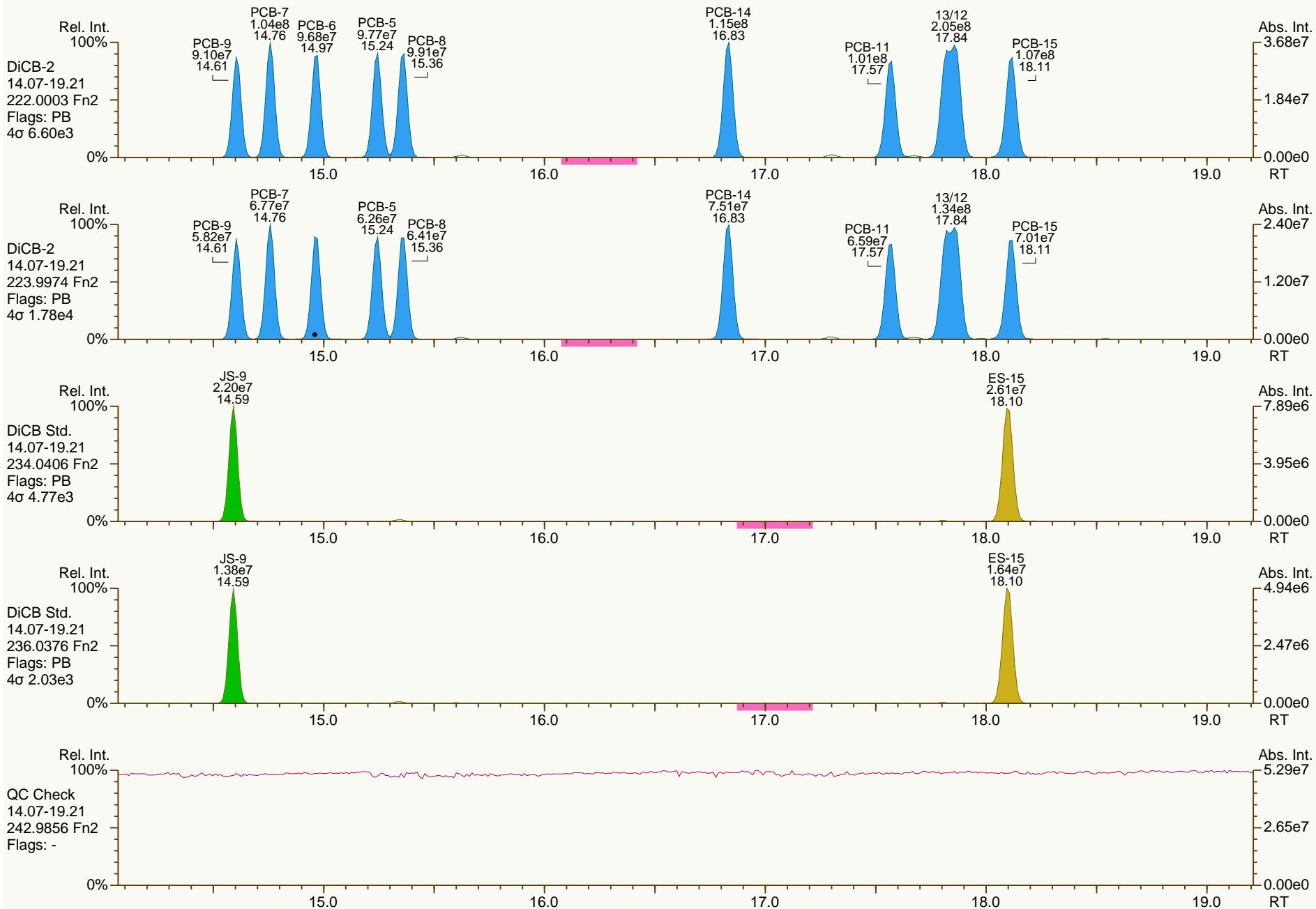
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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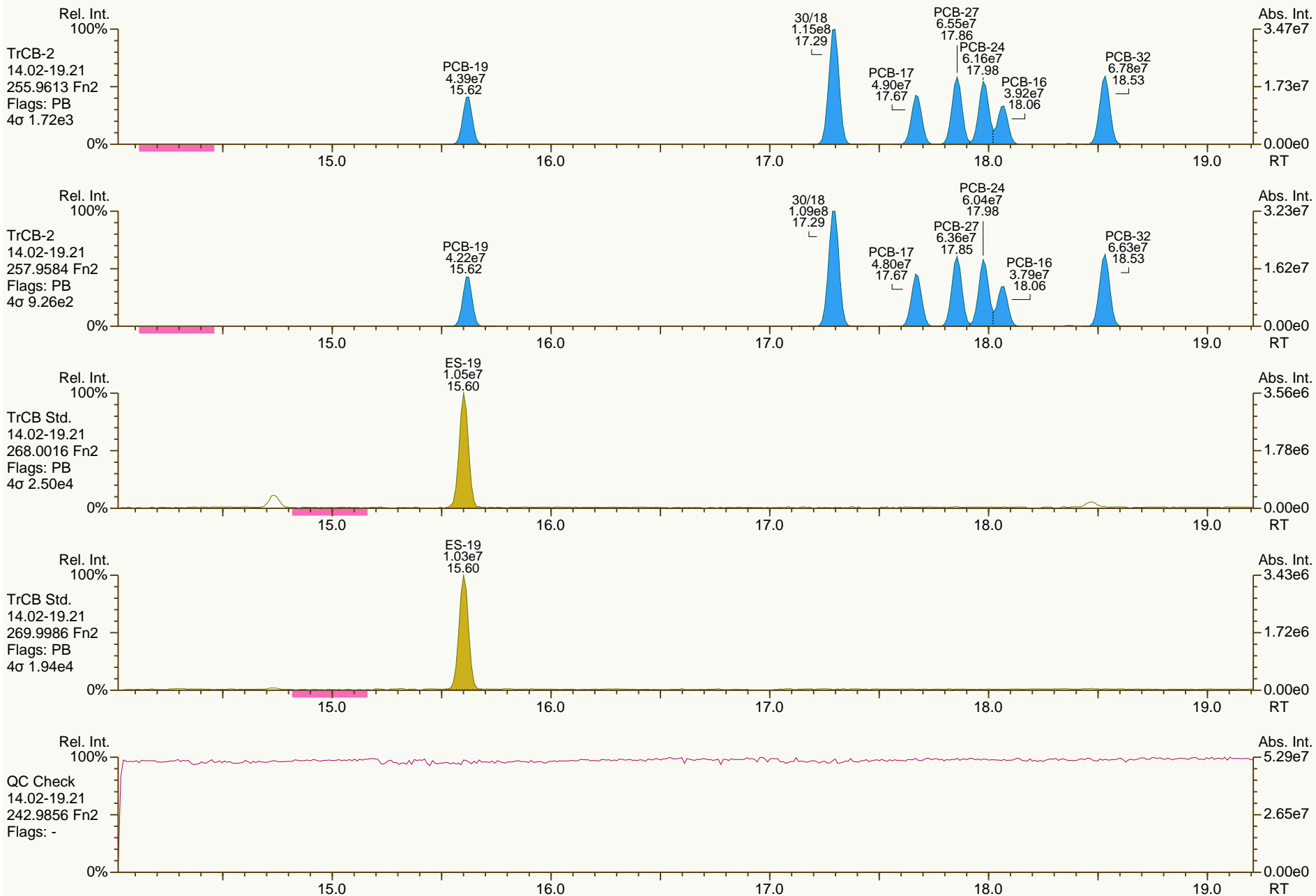
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

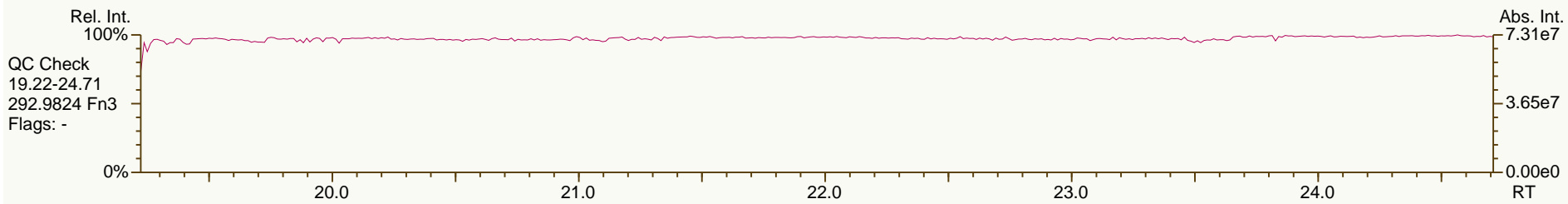
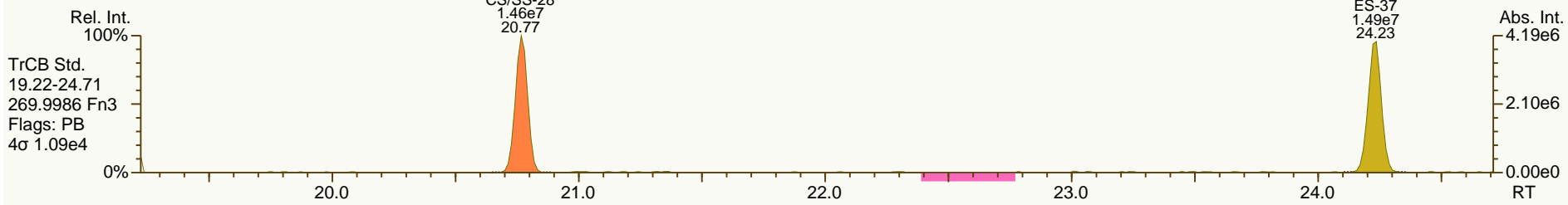
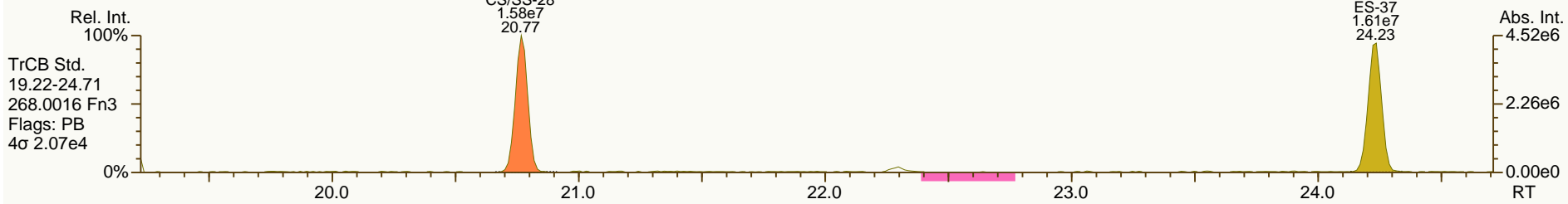
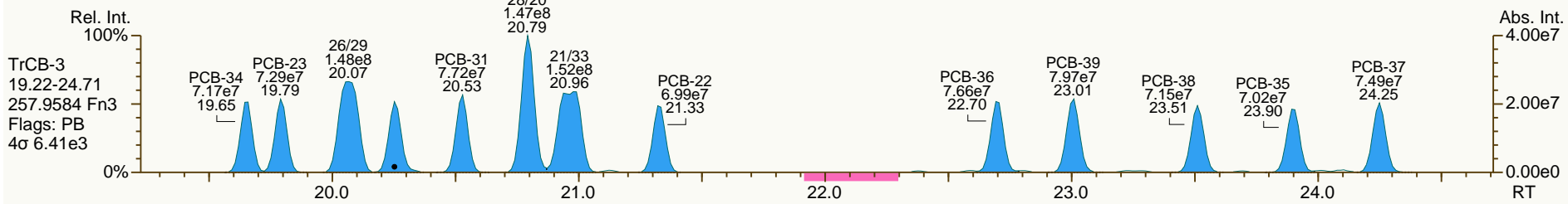
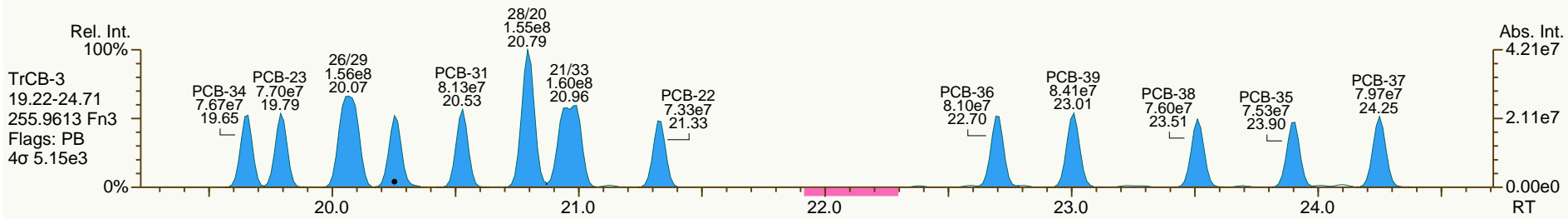
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

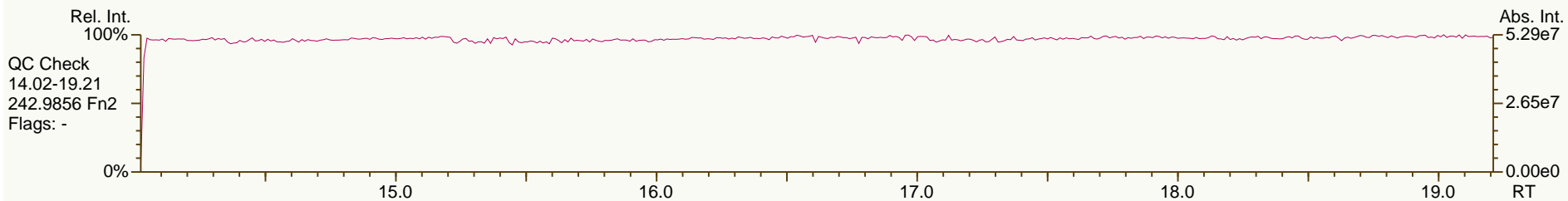
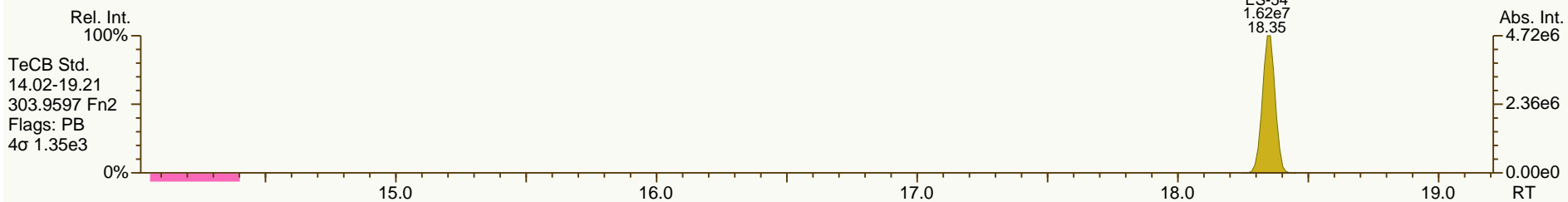
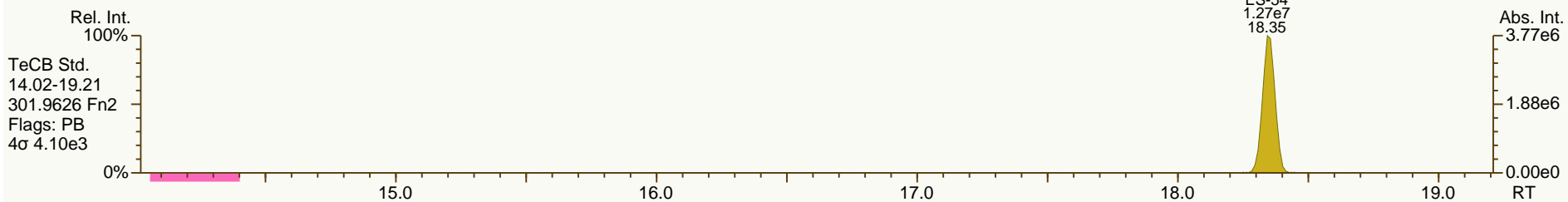
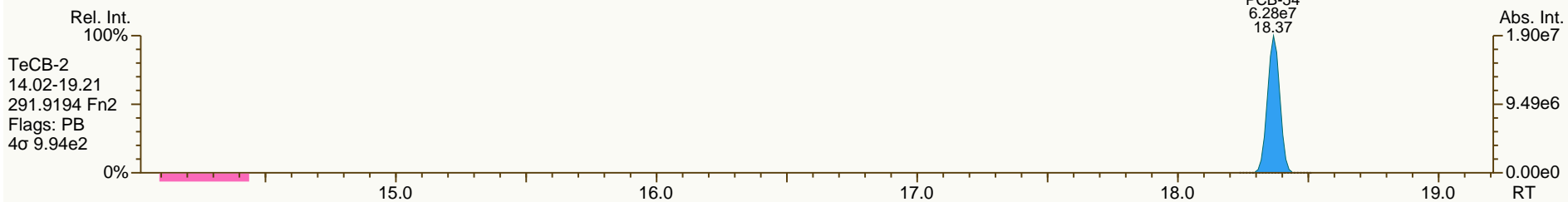
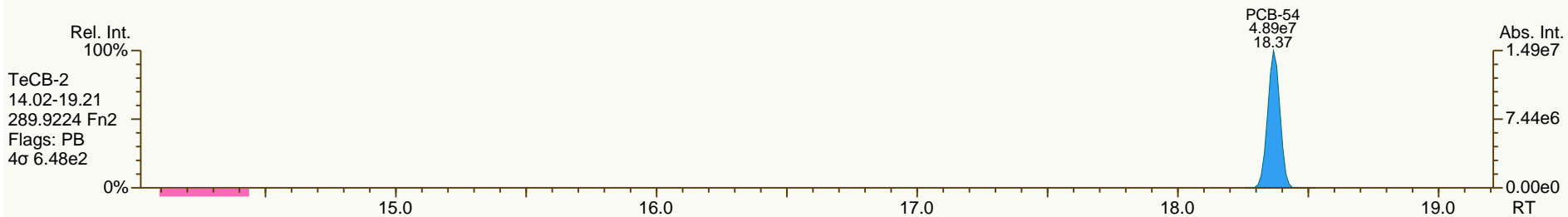
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

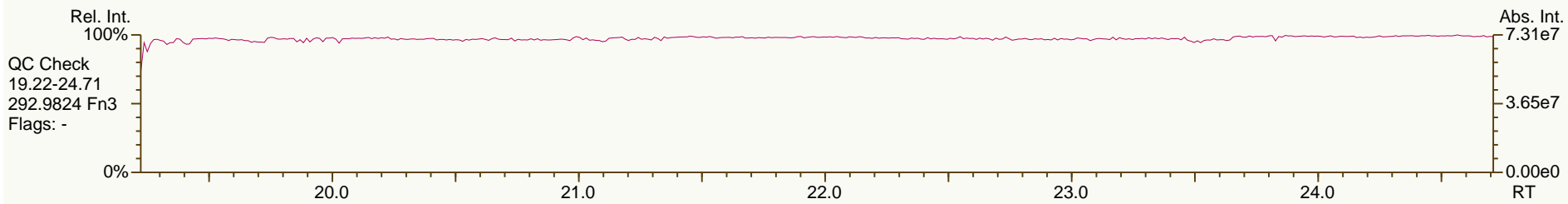
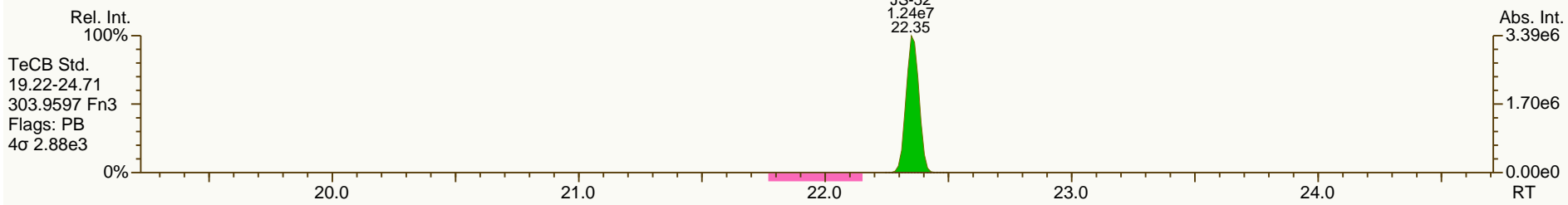
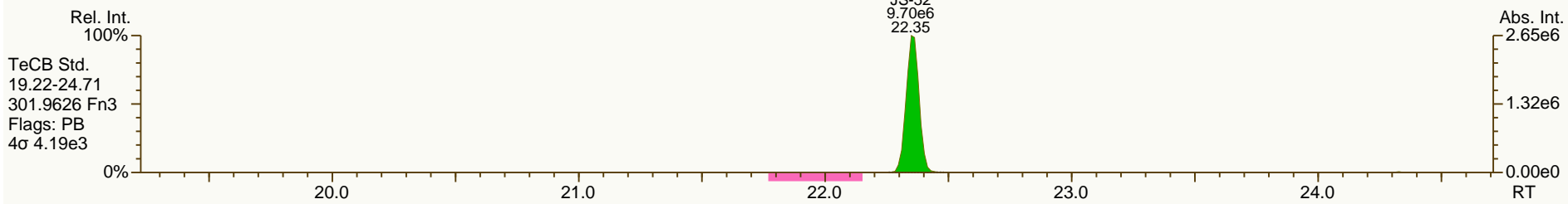
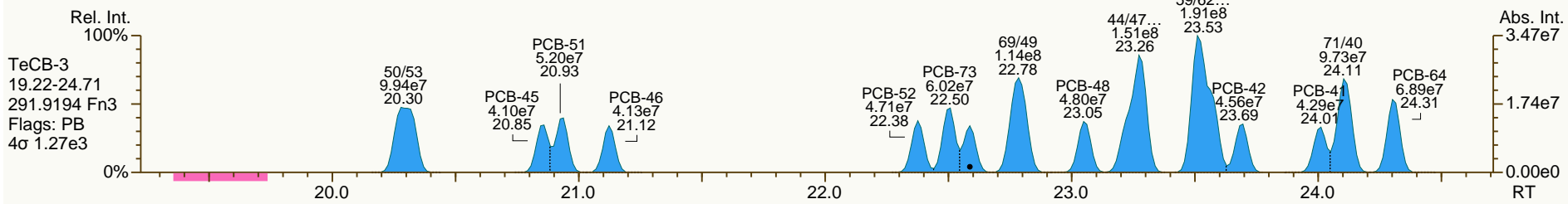
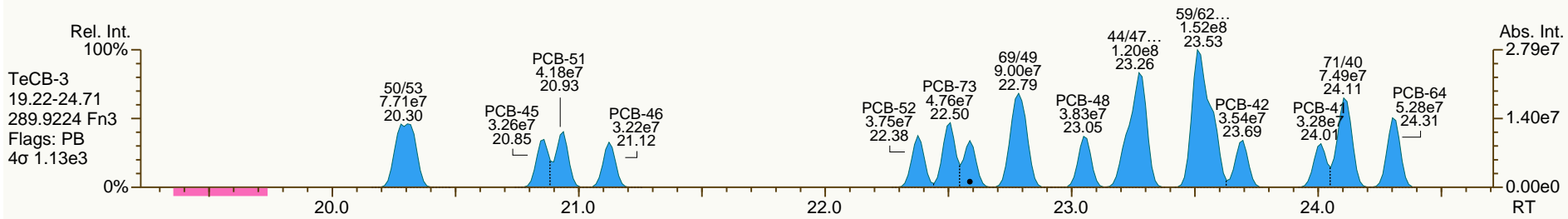
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

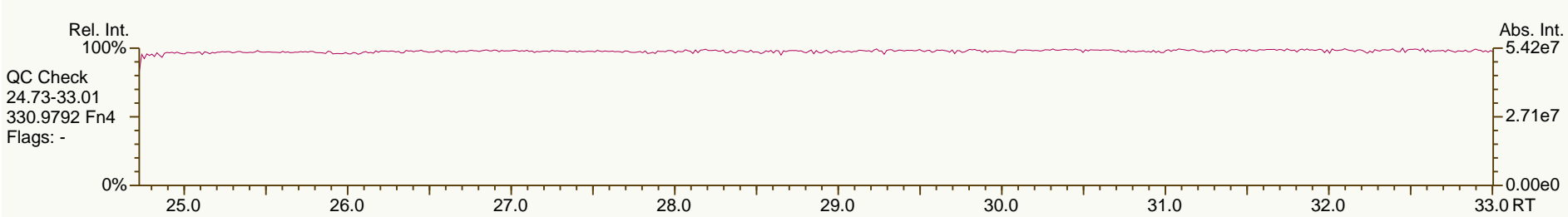
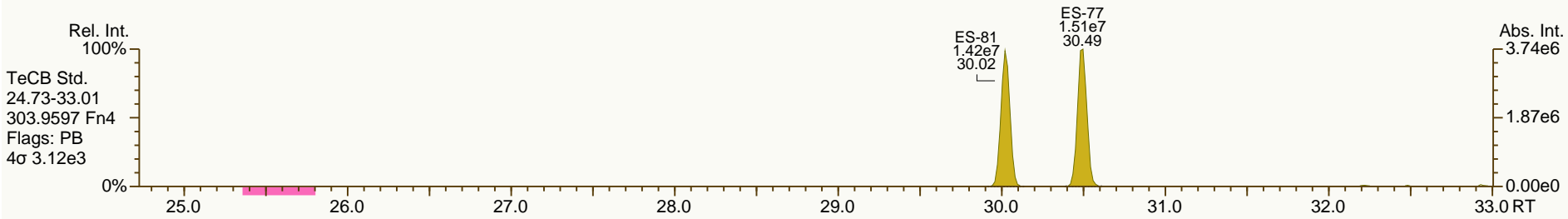
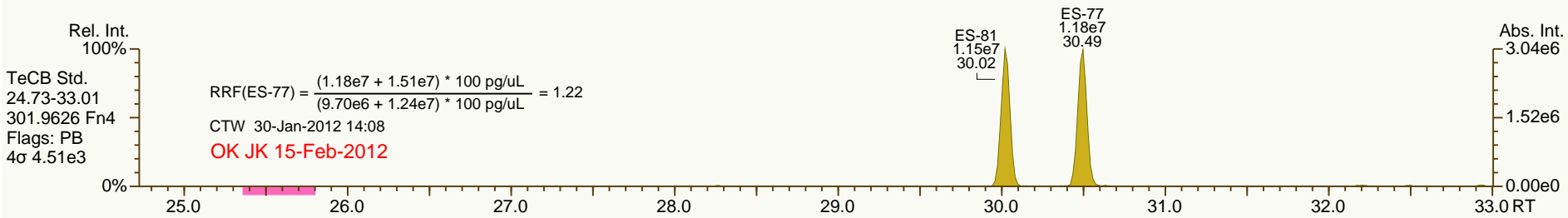
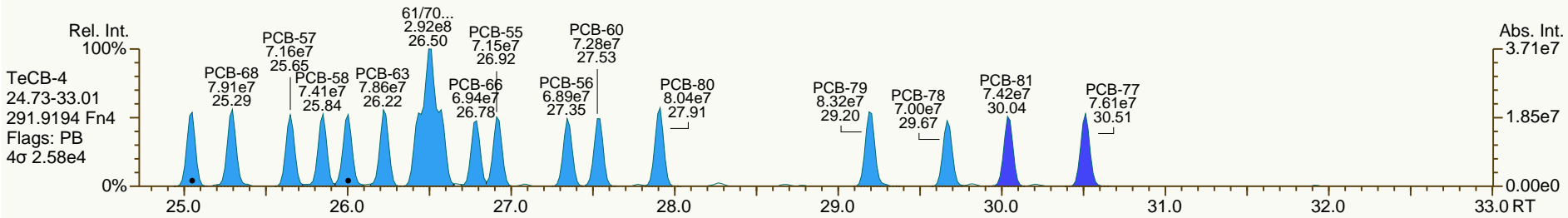
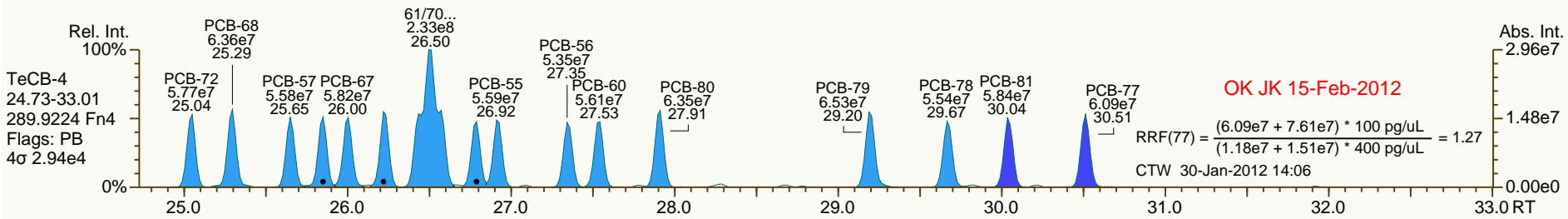
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

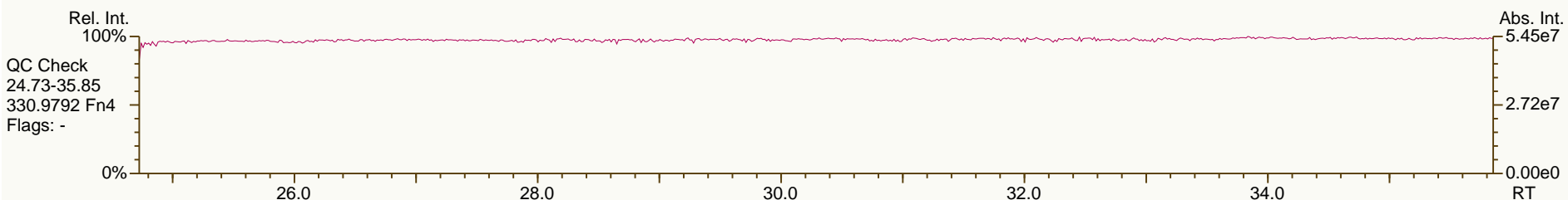
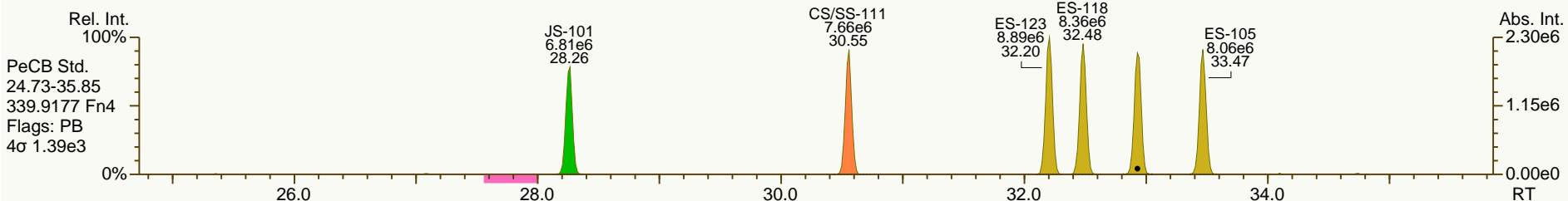
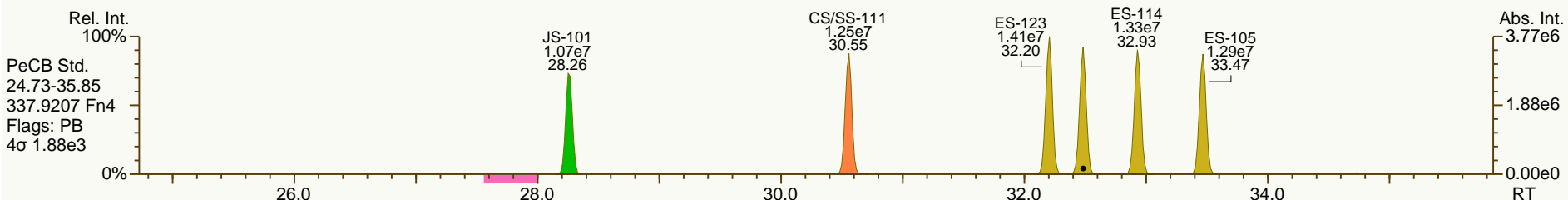
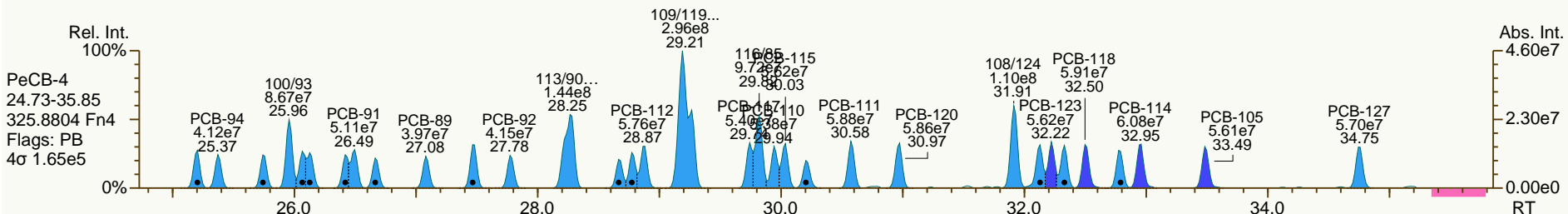
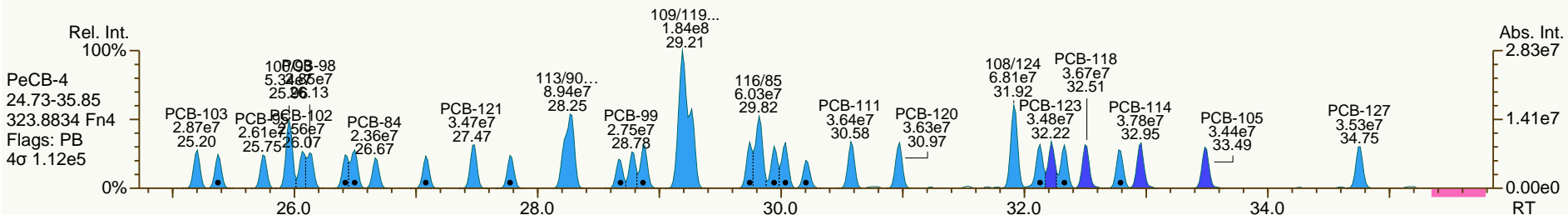
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User: CTW Datafile: 120126S07



AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

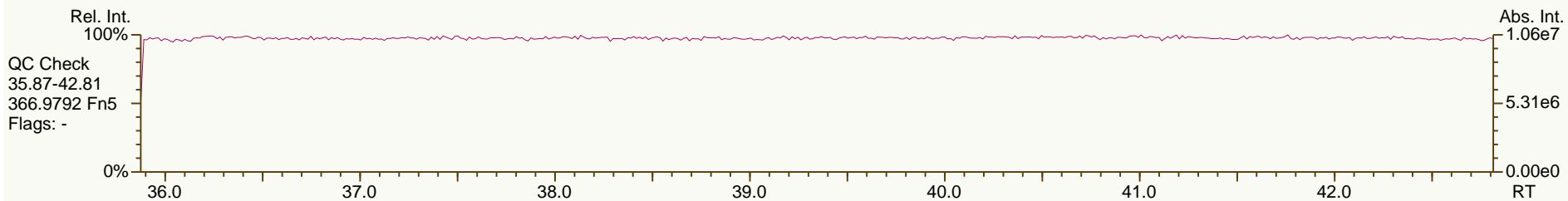
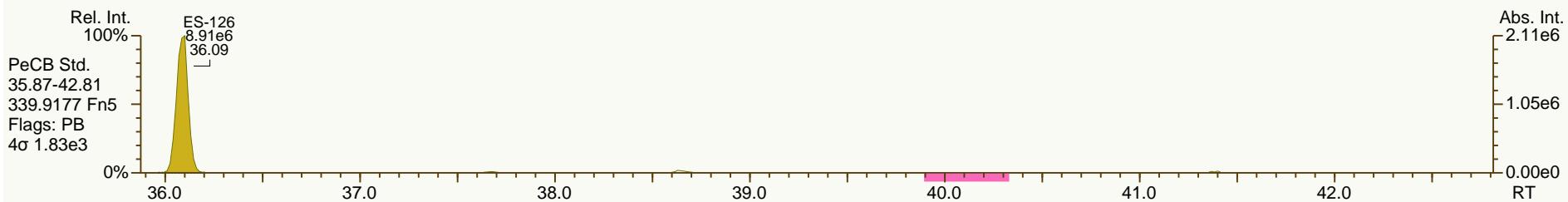
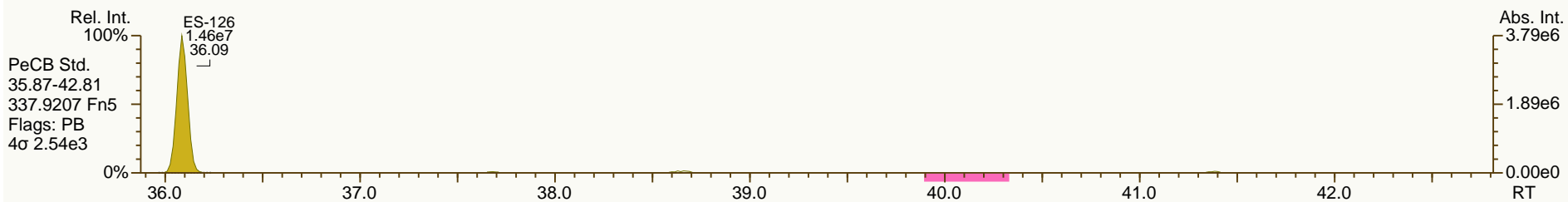
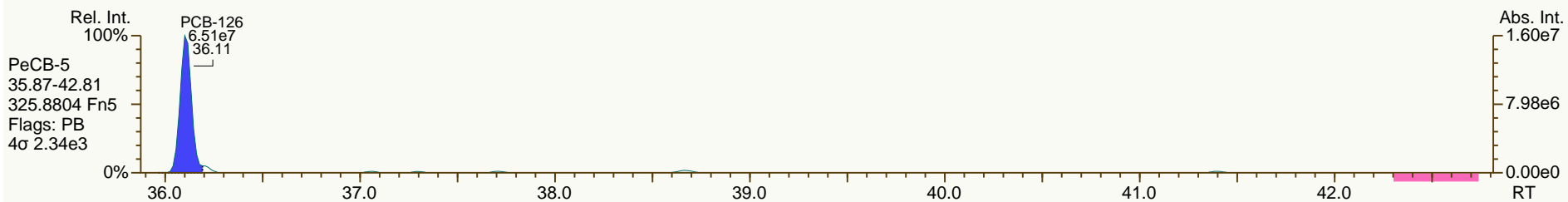
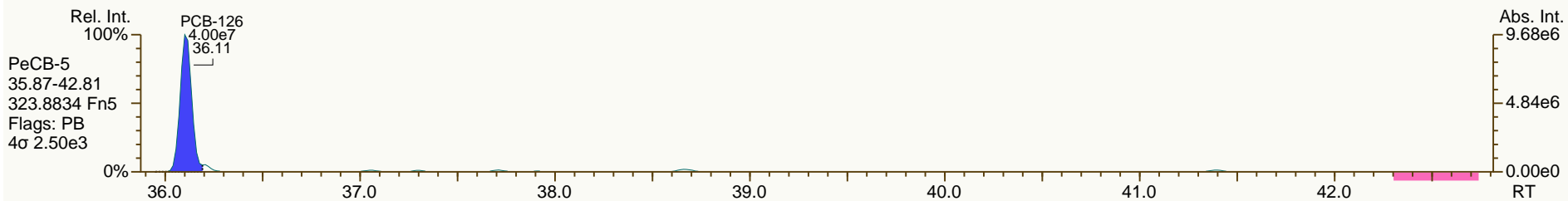
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

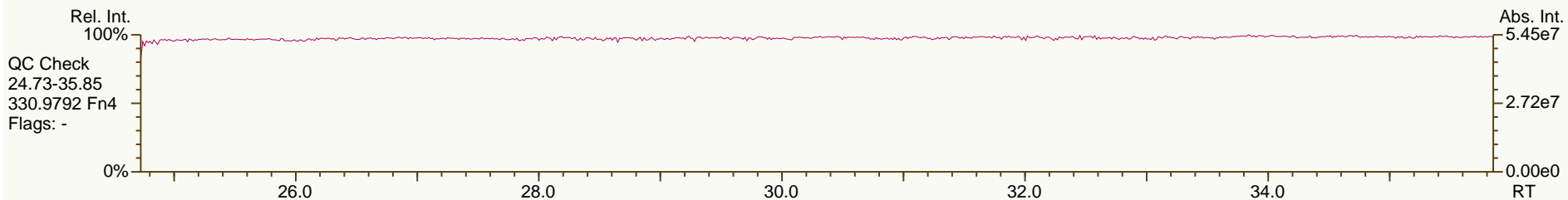
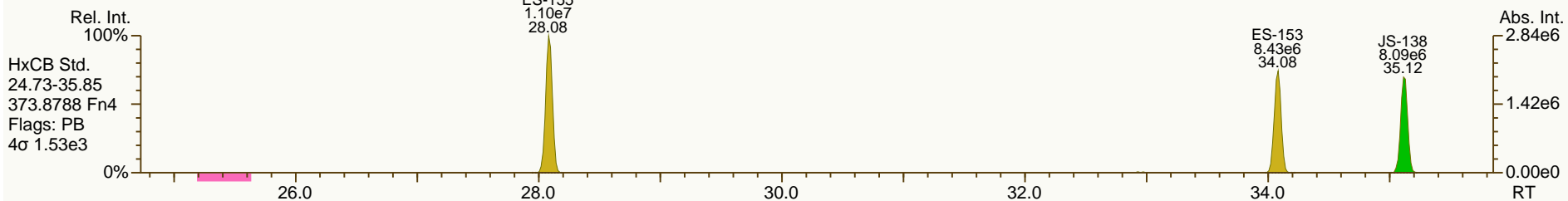
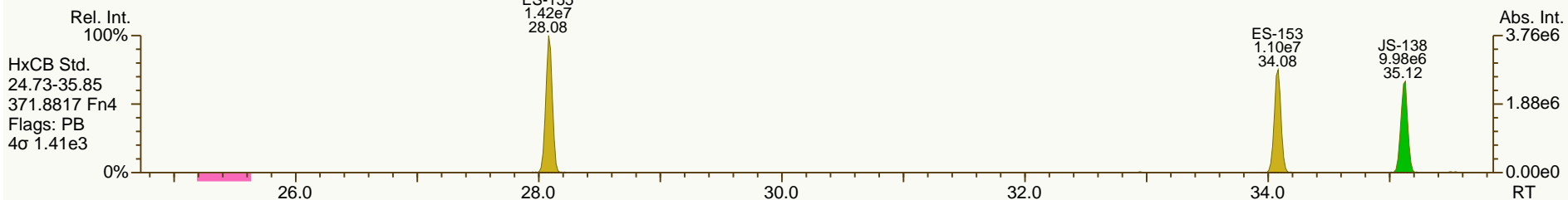
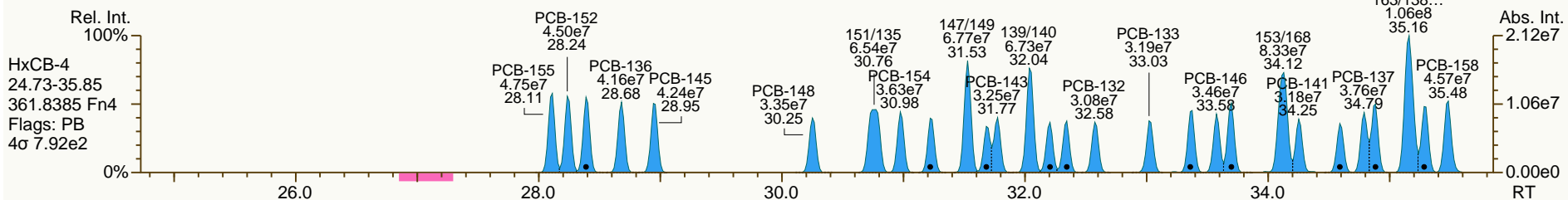
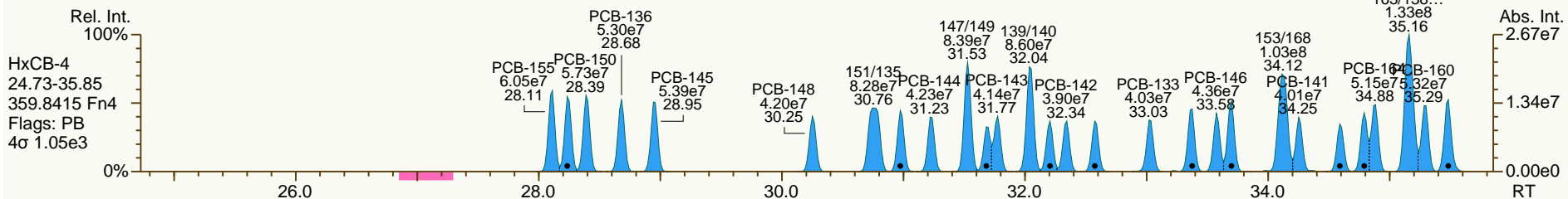
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

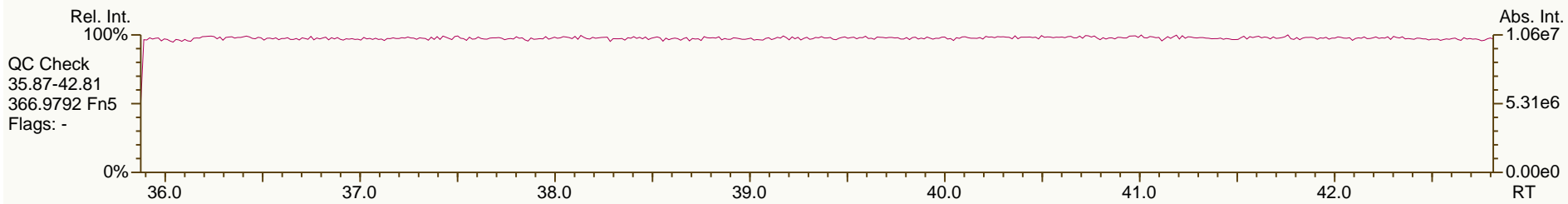
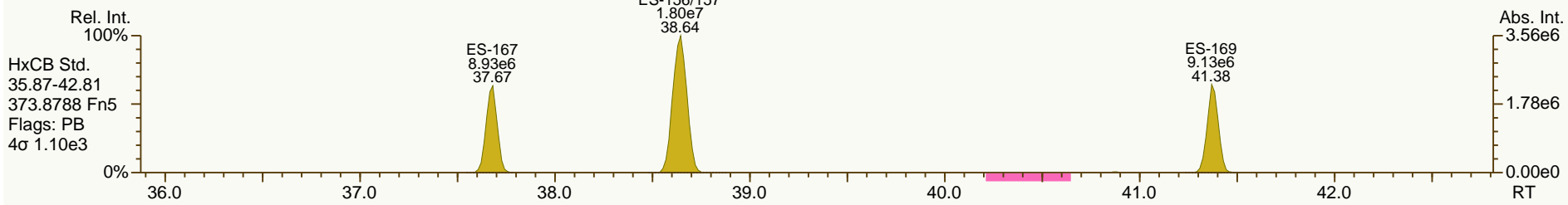
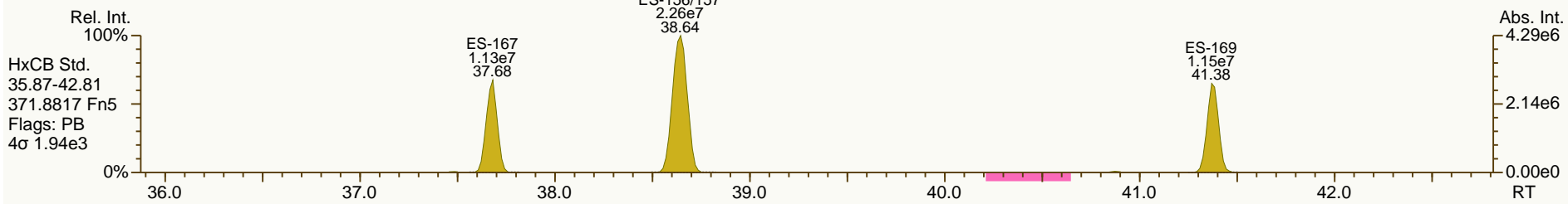
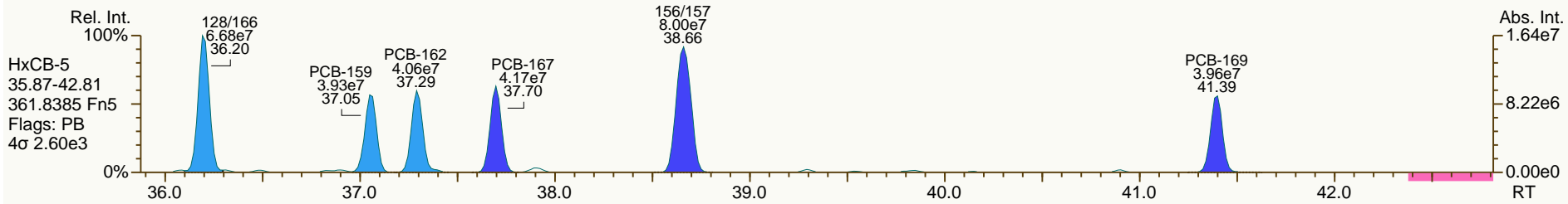
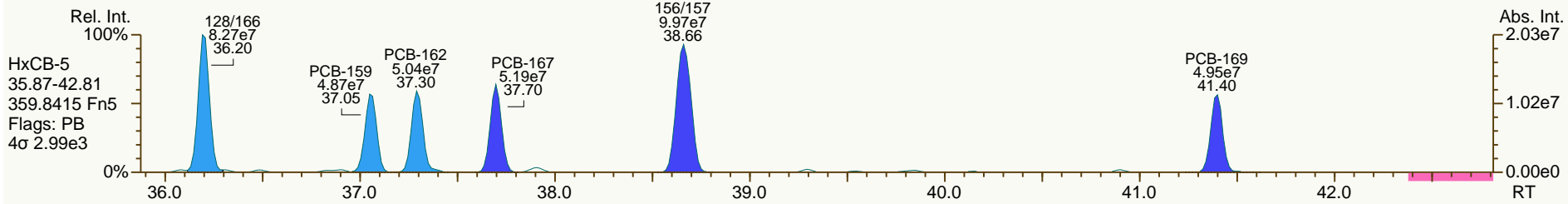
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

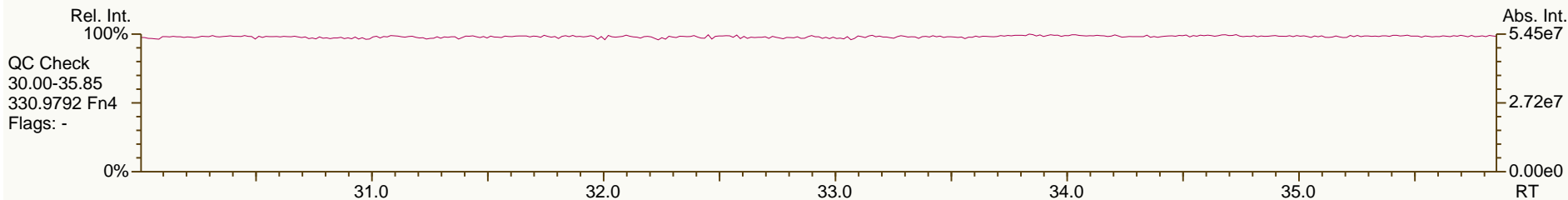
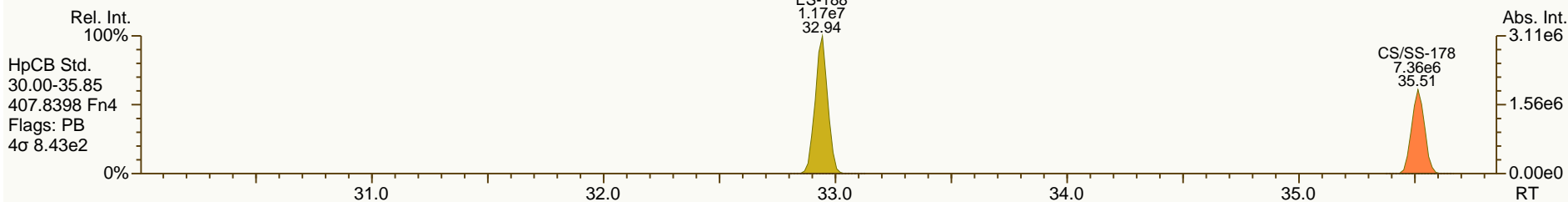
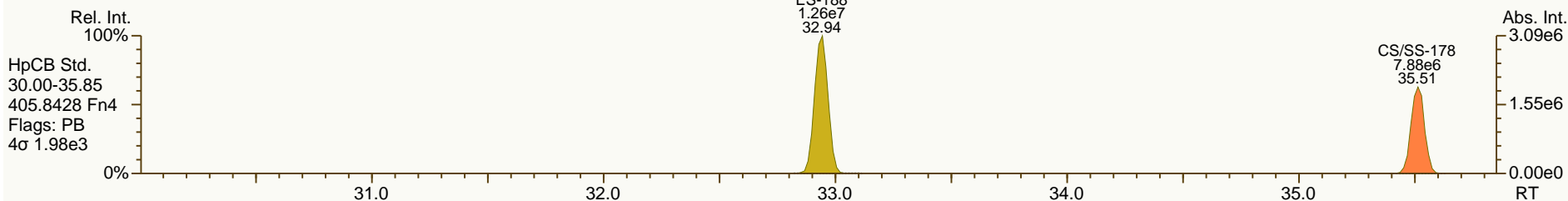
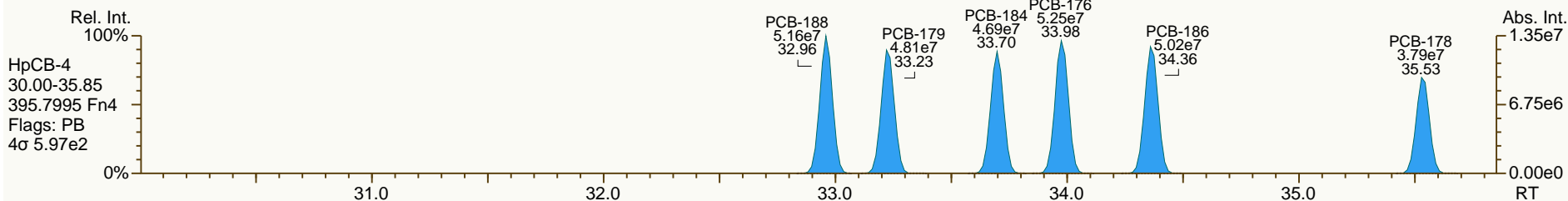
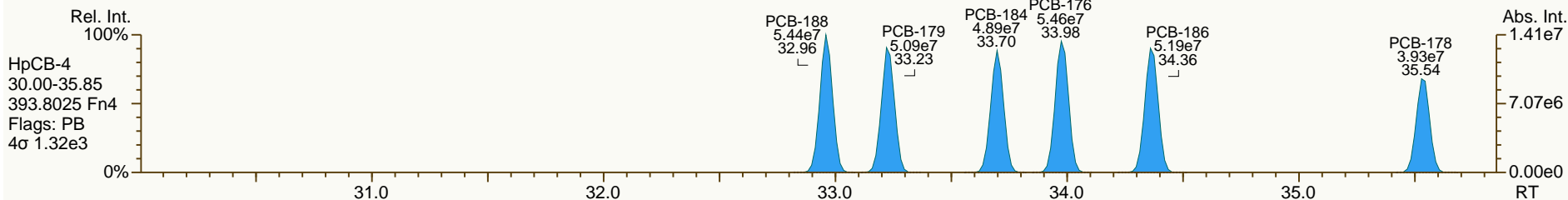
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AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

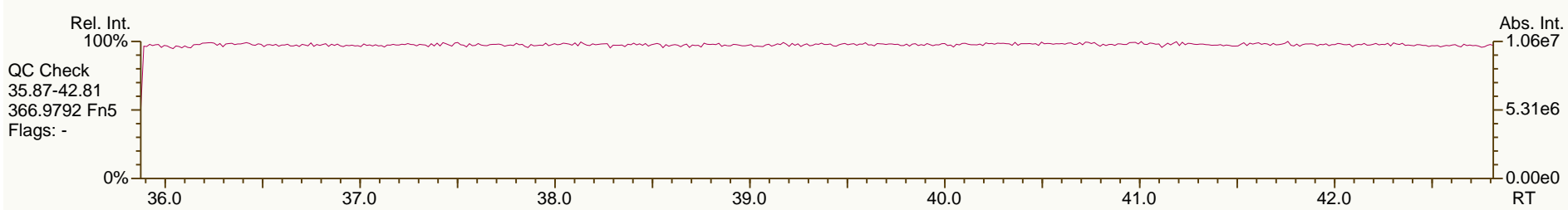
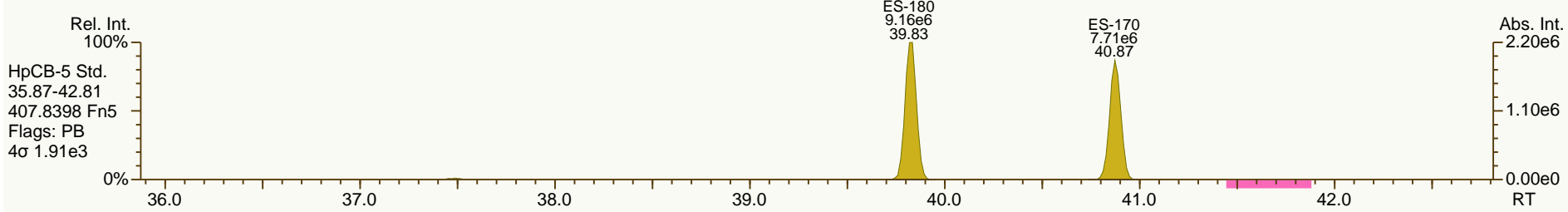
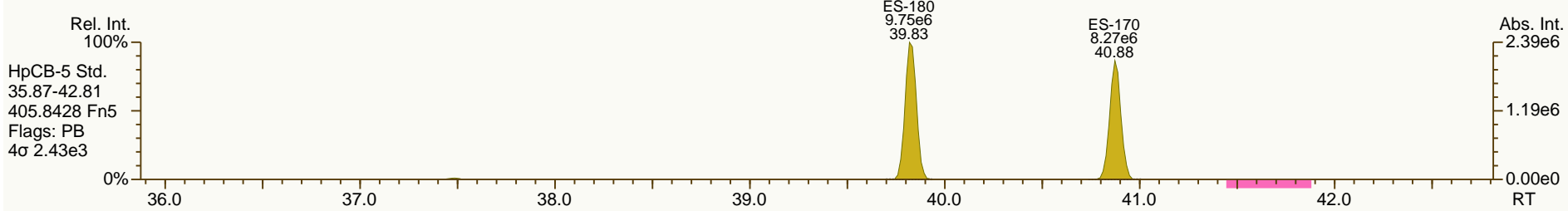
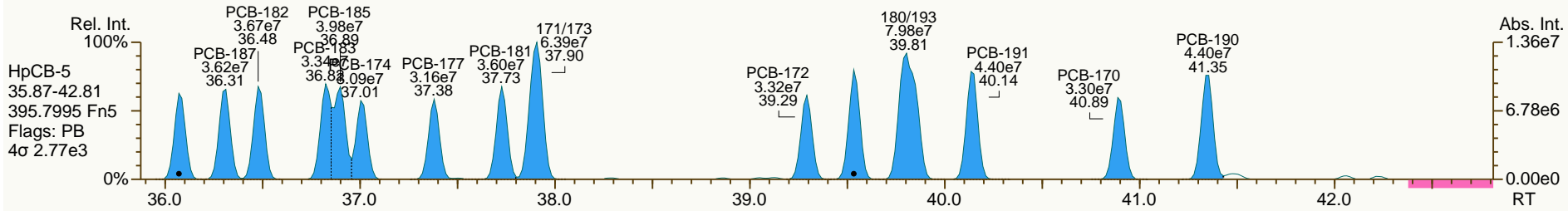
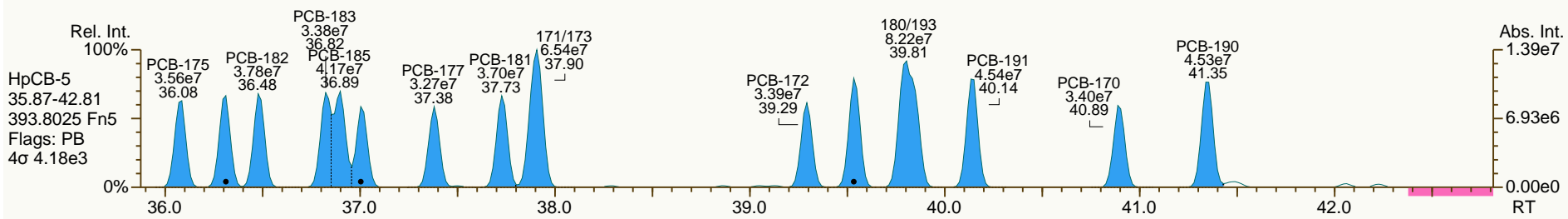
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

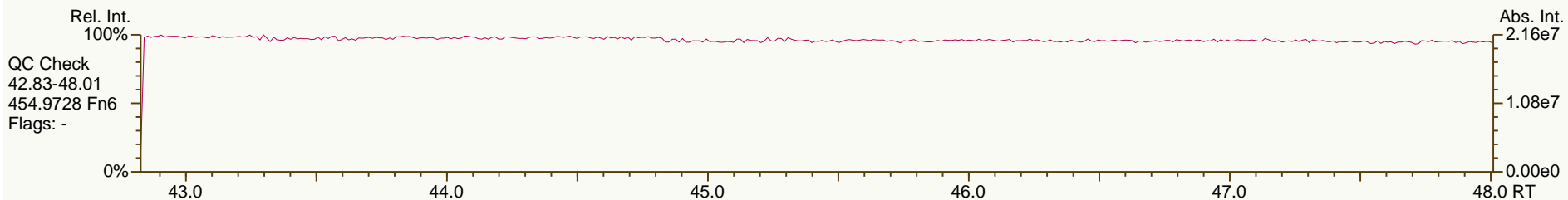
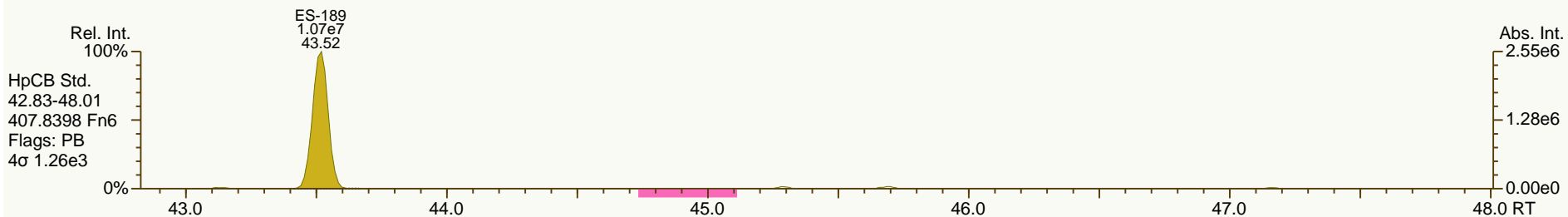
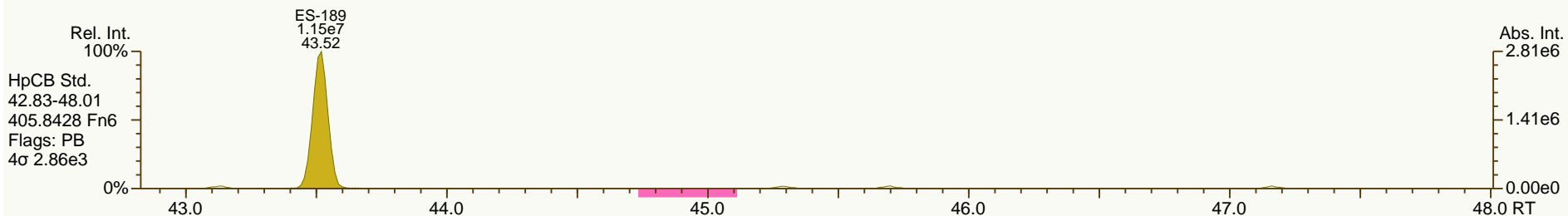
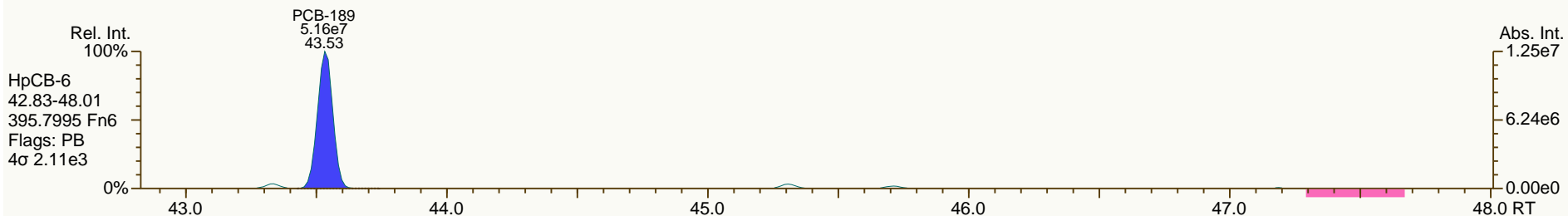
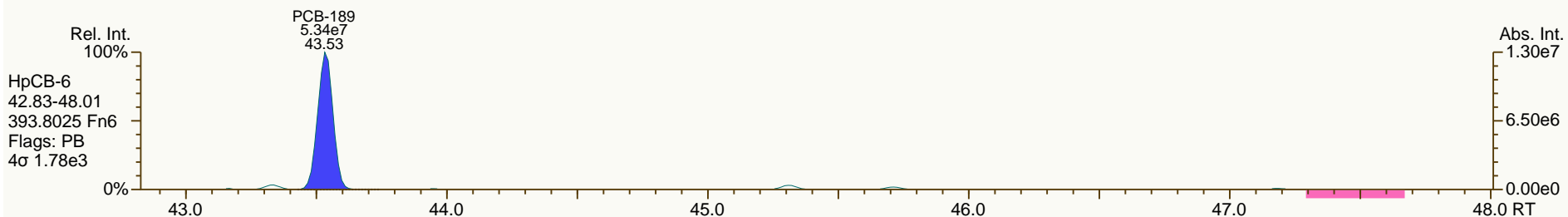
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

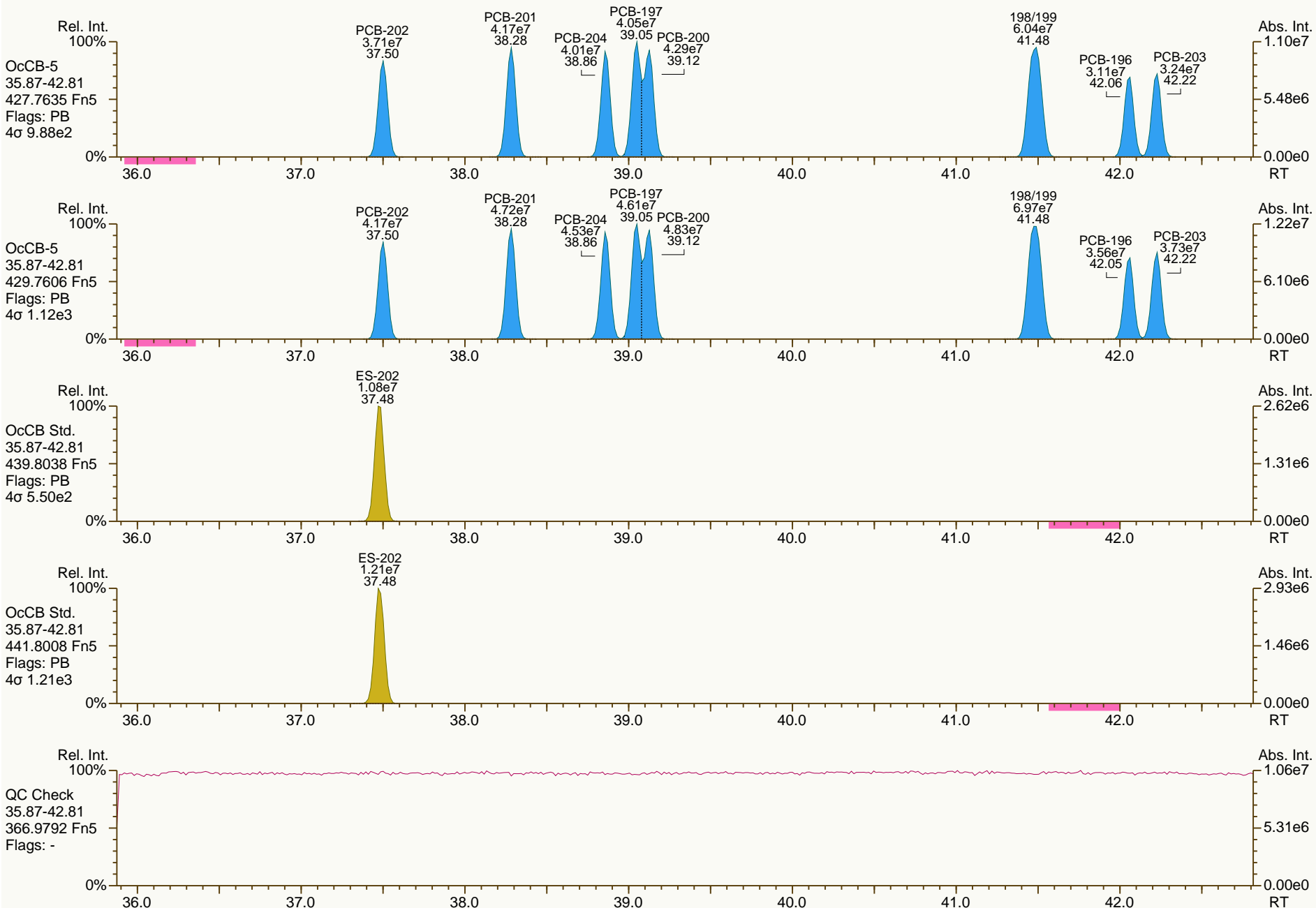
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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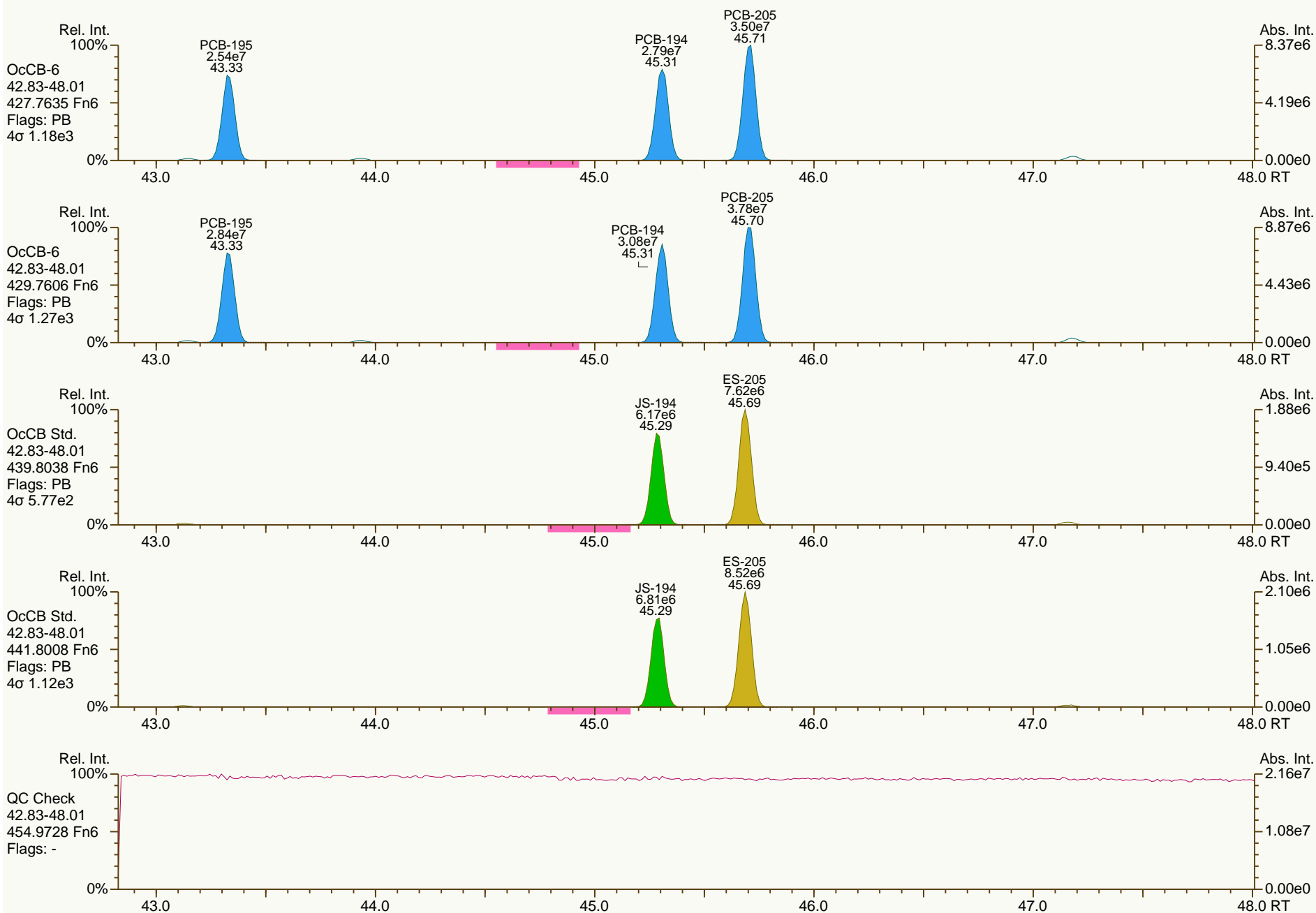
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AP Lab ID: CS4_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

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VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

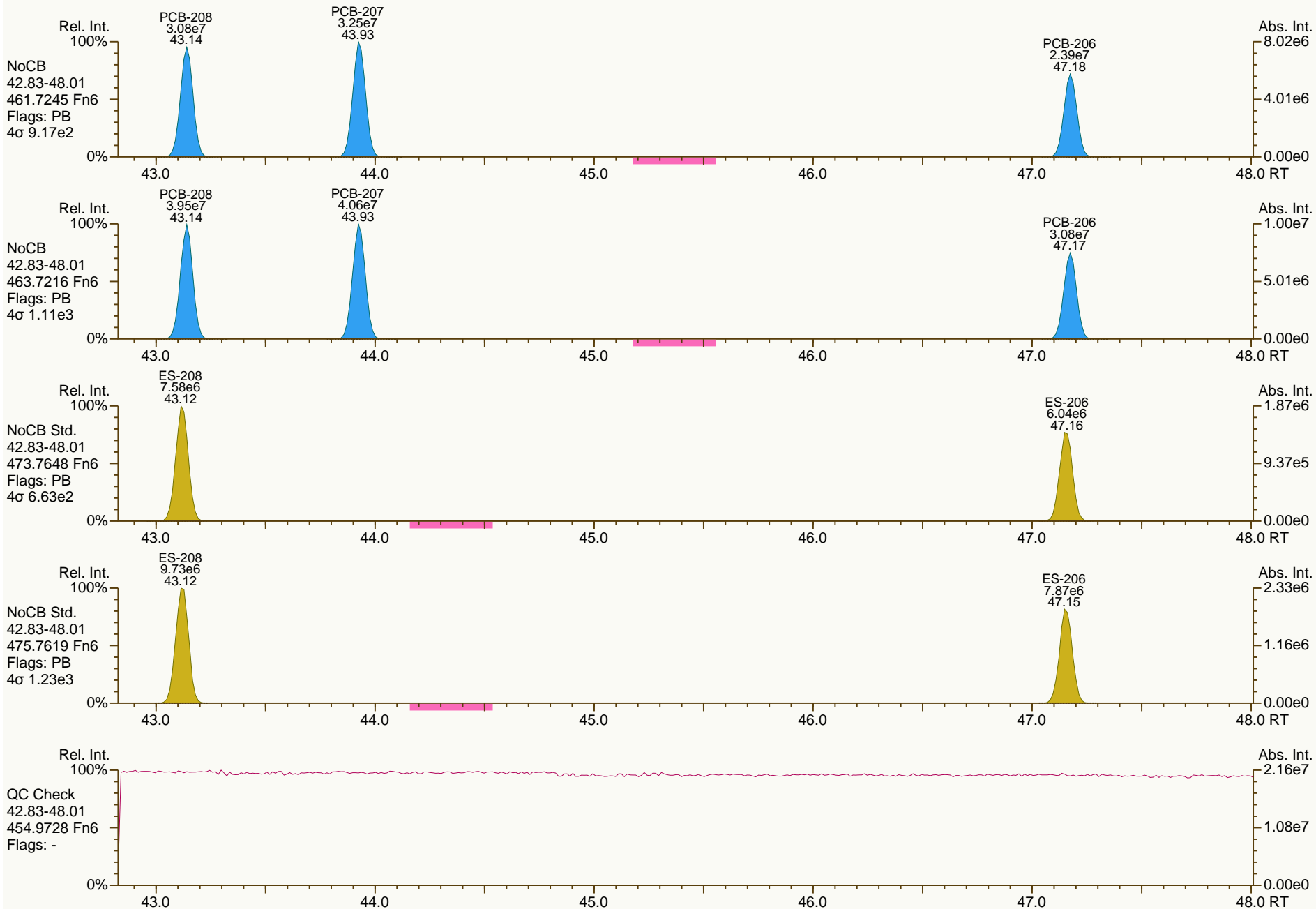
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
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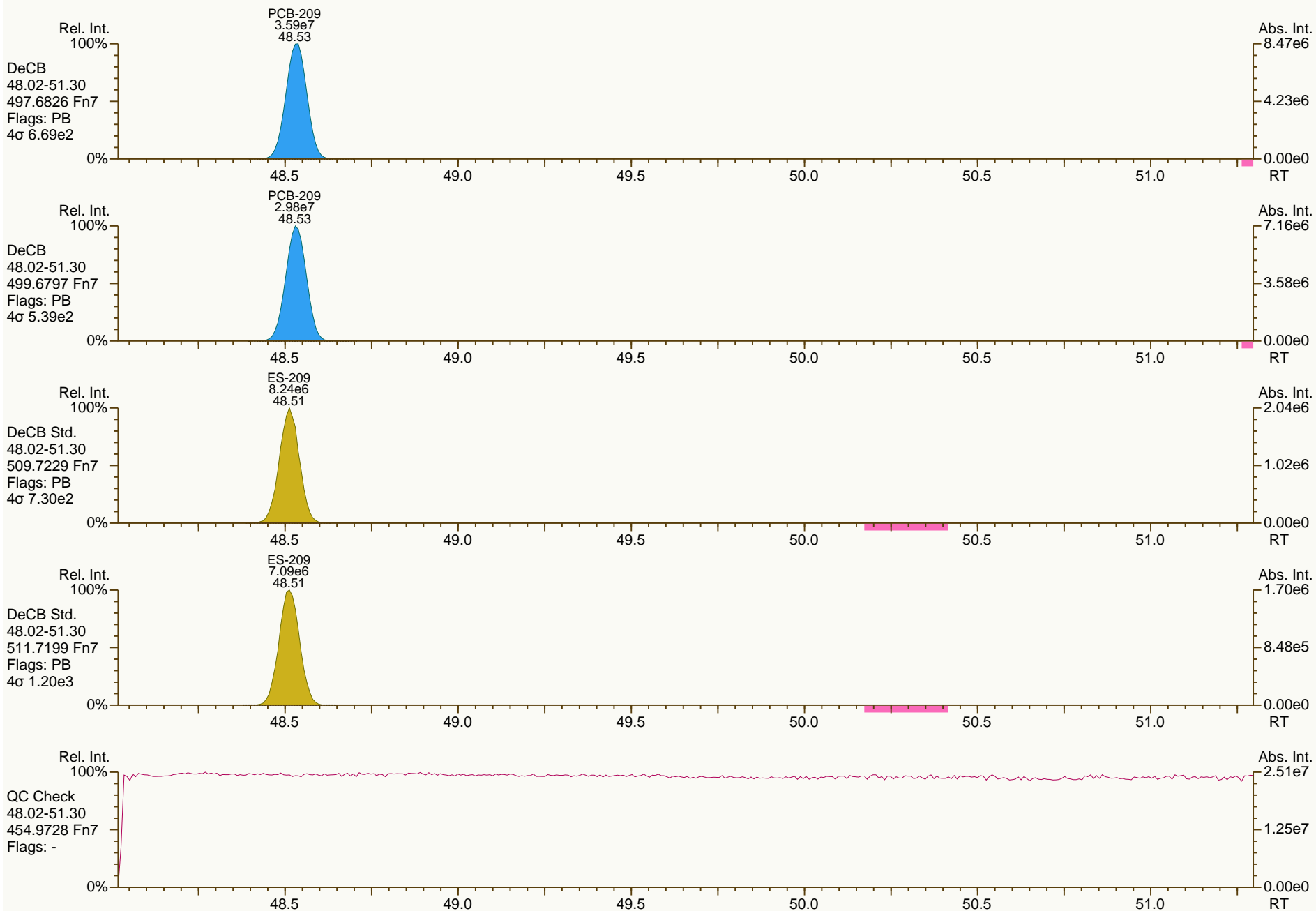
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AP Lab ID: CS4_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 24

Acq: 26-Jan-2012 19:49:48
 User: CTW Datafile: 120126S07



PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.52	1.16E+09	0.79 Y	1.22	1.29	5.5%	
PCB-81 344'5'-TeCB	30.05	1.13E+09	0.77 Y	1.24	1.31	5.0%	
PCB-105 233'44'-PeCB	33.50	7.39E+08	0.61 Y	1.03	1.07	4.3%	
PCB-114 2344'5'-PeCB	32.96	7.95E+08	0.61 Y	1.10	1.15	4.7%	
PCB-118 23'44'5'-PeCB	32.51	7.59E+08	0.61 Y	1.03	1.09	5.5%	
PCB-123 2'344'5'-PeCB	32.23	7.43E+08	0.61 Y	0.93	0.99	6.9%	
PCB-126 33'44'5'-PeCB	36.12	9.02E+08	0.62 Y	1.11	1.18	5.9%	
PCB-156/157 233'44'5'/233'44'5'	38.67	1.45E+09	1.24 Y	1.05	1.13	7.7%	
PCB-167 23'44'55'-HxCB	37.71	7.39E+08	1.24 Y	1.08	1.16	7.1%	
PCB-169 33'44'55'-HxCB	41.40	7.22E+08	1.25 Y	1.04	1.10	5.1%	
PCB-189 233'44'55'-HpCB	43.54	8.29E+08	1.05 Y	1.11	1.17	5.0%	
PCB-209 DeCB	48.54	5.01E+08	1.16 Y	1.05	1.08	3.1%	
ES PCB-1	10.49	6.65E+07	3.16 Y	1.01	1.02	0.6%	
ES PCB-3	12.54	7.05E+07	3.19 Y	1.05	1.08	2.7%	
ES PCB-4	12.77	4.55E+07	1.54 Y	0.70	0.70	-0.2%	
ES PCB-15	18.11	7.97E+07	1.60 Y	1.17	1.22	4.2%	
ES PCB-19	15.61	3.68E+07	1.05 Y	0.57	0.56	-0.7%	
ES PCB-37	24.24	5.44E+07	1.08 Y	1.41	1.49	5.3%	
ES PCB-54	18.36	5.06E+07	0.78 Y	1.32	1.38	4.6%	
ES PCB-77	30.50	4.50E+07	0.82 Y	1.22	1.23	1.1%	
ES PCB-81	30.03	4.34E+07	0.80 Y	1.15	1.19	3.0%	
ES PCB-104	23.19	4.79E+07	1.54 Y	1.69	1.68	-0.1%	
ES PCB-105	33.47	3.45E+07	1.57 Y	1.21	1.21	0.7%	
ES PCB-114	32.94	3.46E+07	1.60 Y	1.23	1.22	-1.1%	
ES PCB-118	32.49	3.48E+07	1.60 Y	1.25	1.22	-1.7%	
ES PCB-123	32.21	3.76E+07	1.55 Y	1.33	1.32	-0.3%	
ES PCB-126	36.10	3.83E+07	1.64 Y	1.36	1.35	-0.8%	
ES PCB-153	34.09	3.08E+07	1.24 Y	1.09	1.10	1.8%	
ES PCB-155	28.09	3.94E+07	1.26 Y	1.40	1.41	0.7%	
ES PCB-156/157	38.65	6.43E+07	1.27 Y	1.13	1.15	1.7%	
ES PCB-167	37.68	3.19E+07	1.24 Y	1.13	1.14	1.3%	
ES PCB-169	41.38	3.29E+07	1.25 Y	1.14	1.18	3.4%	
ES PCB-170	40.88	2.43E+07	1.06 Y	1.23	1.26	2.1%	
ES PCB-180	39.83	2.91E+07	1.04 Y	1.46	1.50	2.6%	
ES PCB-188	32.95	3.66E+07	1.05 Y	1.34	1.31	-2.0%	
ES PCB-189	43.52	3.56E+07	1.06 Y	1.77	1.84	4.1%	
ES PCB-202	37.49	3.53E+07	0.90 Y	1.27	1.27	-0.4%	
ES PCB-205	45.69	2.49E+07	0.88 Y	1.25	1.29	3.1%	
ES PCB-206	47.16	2.12E+07	0.79 Y	1.07	1.10	2.7%	
ES PCB-208	43.13	2.65E+07	0.79 Y	1.34	1.37	2.2%	
ES PCB-209	48.52	2.32E+07	1.21 Y	1.18	1.20	1.0%	

PCB QC Summary		Analytical Perspectives			Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.78	5.37E+07	1.07 Y	0.98	0.99	0.5%	
SS PCB-111	30.56	3.34E+07	1.55 Y	0.90	0.89	-1.0%	
SS PCB-178	35.52	2.41E+07	1.07 Y	0.65	0.66	1.8%	
CS PCB-28	20.78	5.37E+07	1.07 Y	1.39	1.47	5.9%	
CS PCB-111	30.56	3.34E+07	1.55 Y	1.19	1.18	-1.3%	
CS PCB-178	35.52	2.41E+07	1.07 Y	0.87	0.87	-0.3%	
JS PCB-9	14.60	6.53E+07	1.62 Y	-	-	-	
JS PCB-52	22.37	3.66E+07	0.78 Y	-	-	-	
JS PCB-101	28.27	2.84E+07	1.55 Y	-	-	-	
JS PCB-138	35.13	2.79E+07	1.22 Y	-	-	-	
JS PCB-194	45.29	1.94E+07	0.88 Y	-	-	-	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6'-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	4.7%	
PCB-153 22'44'55' -HxCB	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-180 22'344'55'-HpCB	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.50	1.65E+09	3.13 Y	1.20	1.24	3.3%	
PCB-2 3-MoCB	12.39	1.66E+09	3.12 Y	1.13	1.17	3.8%	
PCB-3 4-MoCB	12.55	1.65E+09	3.11 Y	1.13	1.17	3.7%	
PCB-4 22'-DiCB	12.78	9.03E+08	1.55 Y	0.94	0.99	5.1%	
PCB-10 26-DiCB	12.94	1.35E+09	1.56 Y	1.43	1.49	4.0%	
PCB-9 25-DiCB	14.61	1.41E+09	1.54 Y	0.87	0.88	1.7%	
PCB-7 24-DiCB	14.76	1.59E+09	1.55 Y	1.00	1.00	-0.4%	
PCB-6 23'-DiCB	14.97	1.50E+09	1.55 Y	0.94	0.94	0.6%	
PCB-5 23-DiCB	15.25	1.53E+09	1.55 Y	0.92	0.96	4.0%	
PCB-8 24'-DiCB	15.37	1.55E+09	1.54 Y	0.95	0.97	2.3%	
PCB-14 35-DiCB	16.84	1.78E+09	1.56 Y	1.09	1.12	2.2%	
PCB-11 33'-DiCB	17.58	1.55E+09	1.55 Y	0.98	0.97	-0.2%	
PCB-13/12 34'-/34-DiCB	17.85	3.19E+09	1.54 Y	0.97	1.00	3.3%	
PCB-15 44'-DiCB	18.12	1.65E+09	1.54 Y	1.01	1.04	3.1%	
PCB-19 22'6-TrCB	15.63	7.80E+08	1.03 Y	1.01	1.06	5.0%	
PCB-30/18 246-/22'5-TrCB	17.30	2.06E+09	1.03 Y	1.29	1.40	8.2%	
PCB-17 22'4-TrCB	17.68	8.84E+08	1.02 Y	1.14	1.20	5.7%	
PCB-27 23'6-TrCB	17.87	1.19E+09	1.03 Y	1.48	1.62	9.0%	
PCB-24 236-TrCB	17.99	1.10E+09	1.01 Y	1.43	1.50	5.0%	
PCB-16 22'3-TrCB	18.07	6.92E+08	1.04 Y	0.89	0.94	5.3%	
PCB-32 24'6-TrCB	18.54	1.21E+09	1.04 Y	1.56	1.65	5.9%	
PCB-34 2'35-TrCB	19.66	1.33E+09	1.06 Y	1.18	1.22	3.7%	
PCB-23 235-TrCB	19.80	1.34E+09	1.05 Y	1.19	1.23	3.9%	
PCB-26/29 23'5-/245-TrCB	20.08	2.75E+09	1.07 Y	1.20	1.26	5.2%	
PCB-25 23'4-TrCB	20.27	1.37E+09	1.06 Y	1.19	1.26	5.8%	
PCB-31 24'5-TrCB	20.54	1.41E+09	1.06 Y	1.23	1.30	5.8%	
PCB-28/20 244'-/233'-TrCB	20.81	2.73E+09	1.06 Y	1.18	1.25	6.2%	
PCB-21/33 234-/2'34-TrCB	20.97	2.78E+09	1.06 Y	1.21	1.28	5.2%	
PCB-22 234'-TrCB	21.34	1.28E+09	1.05 Y	1.11	1.18	5.5%	
PCB-36 33'5-TrCB	22.71	1.38E+09	1.07 Y	1.21	1.27	4.4%	
PCB-39 34'5-TrCB	23.02	1.44E+09	1.05 Y	1.32	1.33	0.6%	
PCB-38 345-TrCB	23.52	1.30E+09	1.06 Y	1.15	1.20	3.6%	
PCB-35 33'4-TrCB	23.91	1.27E+09	1.05 Y	1.13	1.17	3.2%	
PCB-37 344'-TrCB	24.26	1.37E+09	1.06 Y	1.20	1.26	4.8%	
PCB-54 22'66'-TeCB	18.38	9.91E+08	0.77 Y	0.93	0.98	5.0%	
PCB-50/53 22'46-/22'56'TeCB	20.31	1.56E+09	0.80 Y	0.83	0.90	8.0%	
PCB-45 22'36'-TeCB	20.86	6.63E+08	0.77 Y	0.71	0.76	8.3%	
PCB-51 22'46'-TeCB	20.94	8.16E+08	0.78 Y	0.88	0.94	7.1%	
PCB-46 22'36'-TeCB	21.13	6.37E+08	0.80 Y	0.69	0.73	5.7%	
PCB-52 22'55'-TeCB	22.39	7.26E+08	0.79 Y	0.80	0.84	4.3%	
PCB-73 23'5'6TeCB	22.51	9.52E+08	0.76 Y	1.03	1.10	6.3%	
PCB-43 22'35'-TeCB	22.60	6.36E+08	0.77 Y	0.71	0.73	3.9%	
PCB-69/49 23'46-/22'45'TeCB	22.80	1.76E+09	0.77 Y	0.96	1.01	5.7%	

PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.06	7.45E+08	0.78 Y	0.84	0.86	0.86	2.7%
PCB-44/47/65 22'35'-/22'44'-	23.28	2.34E+09	0.77 Y	0.86	0.90	0.90	4.6%
PCB-59/62/75 233'6'-/2346-/24	23.55	2.96E+09	0.77 Y	1.09	1.14	1.14	4.2%
PCB-42 22'34'-TeCB	23.70	6.84E+08	0.78 Y	0.77	0.79	0.79	2.9%
PCB-41 22'34'-TeCB	24.02	6.65E+08	0.77 Y	0.73	0.77	0.77	5.6%
PCB-71/40 23'4'6/22'33'-TeCB	24.12	1.48E+09	0.77 Y	0.81	0.85	0.85	4.5%
PCB-64 234'6'-TeCB	24.32	1.05E+09	0.77 Y	1.17	1.21	1.21	3.5%
PCB-72 23'55'-TeCB	25.05	1.13E+09	0.78 Y	1.25	1.31	1.31	4.4%
PCB-68 23'45'-TeCB	25.30	1.20E+09	0.77 Y	1.36	1.39	1.39	1.6%
PCB-57 233'5'-TeCB	25.66	1.08E+09	0.78 Y	1.22	1.25	1.25	2.1%
PCB-58 233'5'-TeCB	25.86	1.09E+09	0.79 Y	1.26	1.26	1.26	0.0%
PCB-67 23'45'-TeCB	26.01	1.15E+09	0.79 Y	1.27	1.32	1.32	3.6%
PCB-63 234'5'-TeCB	26.23	1.22E+09	0.78 Y	1.34	1.41	1.41	5.5%
PCB-61/70/74/76 2345-/23'4'5	26.52	4.58E+09	0.78 Y	1.24	1.32	1.32	6.2%
PCB-66 23'44'-TeCB	26.79	1.07E+09	0.79 Y	1.19	1.24	1.24	4.2%
PCB-55 233'4'-TeCB	26.93	1.08E+09	0.79 Y	1.22	1.24	1.24	2.1%
PCB-56 233'4'-TeCB	27.36	1.06E+09	0.78 Y	1.18	1.23	1.23	4.1%
PCB-60 2344'-TeCB	27.54	1.13E+09	0.77 Y	1.24	1.31	1.31	5.6%
PCB-80 33'55'-TeCB	27.92	1.23E+09	0.78 Y	1.37	1.41	1.41	2.9%
PCB-79 33'45'-TeCB	29.21	1.25E+09	0.79 Y	1.37	1.45	1.45	5.6%
PCB-78 33'45'-TeCB	29.68	1.07E+09	0.78 Y	1.19	1.23	1.23	3.2%
PCB-104 22'466'-PeCB	23.22	9.19E+08	0.61 Y	0.92	0.96	0.96	4.7%
PCB-96 22'366'-PeCB	23.51	7.98E+08	0.62 Y	0.81	0.83	0.83	2.9%
PCB-103 22'45'6'-PeCB	25.21	6.26E+08	0.62 Y	0.78	0.83	0.83	7.4%
PCB-94 22'356'-PeCB	25.38	5.54E+08	0.62 Y	0.71	0.74	0.74	3.6%
PCB-95 22'35'6'-PeCB	25.76	5.92E+08	0.62 Y	0.74	0.79	0.79	6.1%
PCB-100/93 22'44'6-/22'356-P	25.97	1.21E+09	0.62 Y	0.75	0.81	0.81	8.0%
PCB-102 22'456'-PeCB	26.08	5.99E+08	0.61 Y	0.75	0.80	0.80	6.5%
PCB-98 22'3'46'-PeCB	26.14	5.80E+08	0.62 Y	0.71	0.77	0.77	8.6%
PCB-88 22'346'-PeCB	26.43	5.37E+08	0.61 Y	0.66	0.71	0.71	7.5%
PCB-91 22'34'6'-PeCB	26.50	6.67E+08	0.62 Y	0.84	0.89	0.89	5.8%
PCB-84 22'33'6'-PeCB	26.68	5.14E+08	0.62 Y	0.65	0.68	0.68	5.3%
PCB-89 22'346'-PeCB	27.09	5.42E+08	0.62 Y	0.69	0.72	0.72	5.0%
PCB-121 23'45'6'-PeCB	27.48	7.69E+08	0.62 Y	0.98	1.02	1.02	4.0%
PCB-92 22'355'-PeCB	27.79	5.52E+08	0.61 Y	0.72	0.74	0.74	2.7%
PCB-113/90/101 233'5'6-/22'3	28.26	1.91E+09	0.62 Y	0.81	0.85	0.85	4.6%
PCB-83 22'33'5'-PeCB	28.68	4.86E+08	0.62 Y	0.62	0.65	0.65	3.8%
PCB-99 22'44'5'-PeCB	28.79	6.26E+08	0.62 Y	0.76	0.83	0.83	9.0%
PCB-112 233'56'-PeCB	28.88	7.43E+08	0.62 Y	0.96	0.99	0.99	2.6%
PCB-108/119/86/97/125/87 233	29.22	3.91E+09	0.62 Y	0.83	0.87	0.87	5.1%
PCB-117 234'56'-PeCB	29.75	7.67E+08	0.61 Y	0.94	1.02	1.02	8.5%
PCB-116/85 23456-/22'344'-Pe	29.83	1.26E+09	0.62 Y	0.81	0.84	0.84	3.8%
PCB-110 233'4'6'-PeCB	29.96	7.40E+08	0.61 Y	0.92	0.99	0.99	7.1%

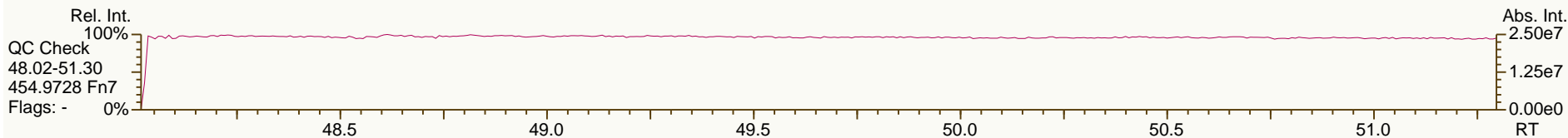
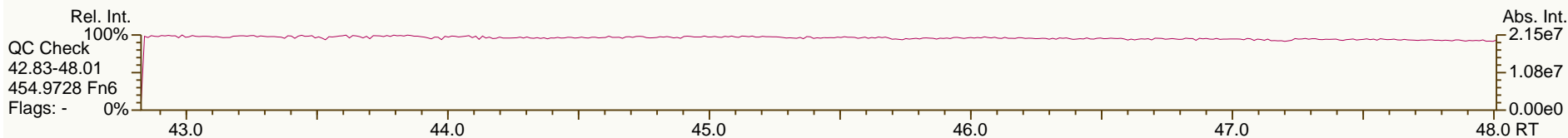
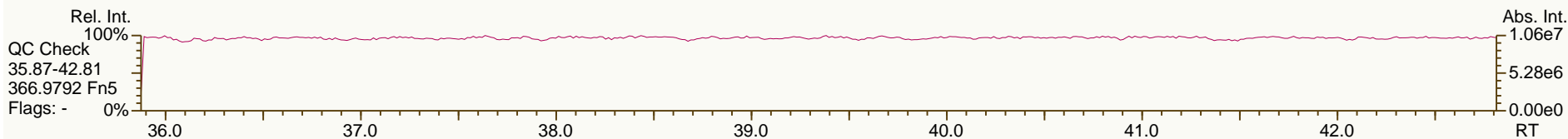
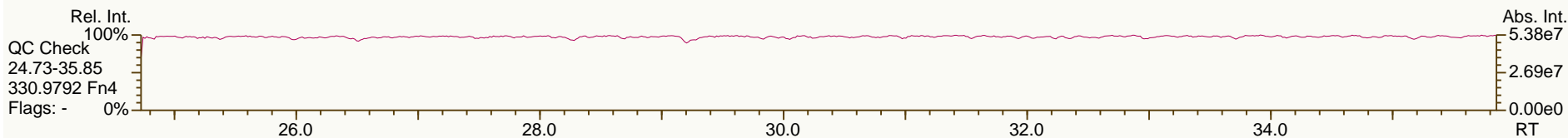
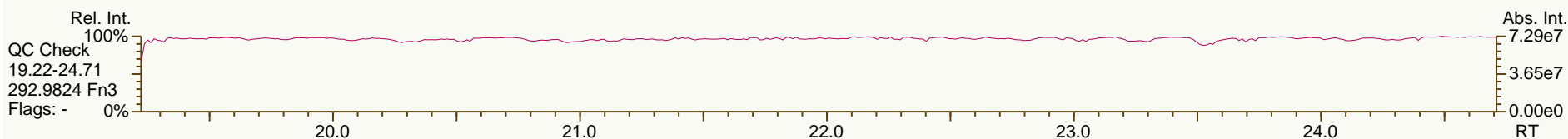
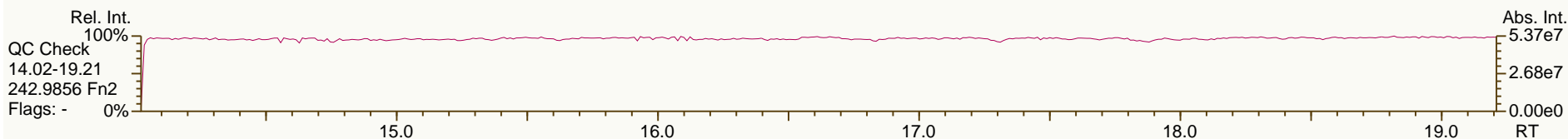
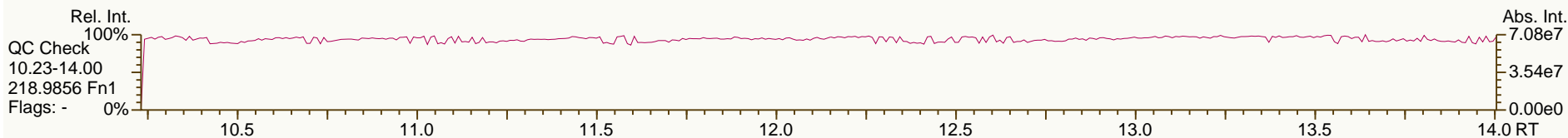
PCB QC Summary - Ax2 Detail				Printed: 30-Jan-2012 13:49			
Lab ID:	CS5_120126_PCB_SA	ICAL: MM4_PCB_01102012_26JAN12					
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.04	7.24E+08	0.62 Y	0.95	0.96	1.6%	
PCB-82 22'33'4-PeCB	30.22	4.82E+08	0.61 Y	0.62	0.64	4.1%	
PCB-111 233'55'-PeCB	30.59	7.70E+08	0.62 Y	0.98	1.03	4.1%	
PCB-120 23'455'-PeCB	30.98	7.71E+08	0.61 Y	0.99	1.03	3.3%	
PCB-107/124 233'4'5-/2'3455'	31.93	1.46E+09	0.62 Y	0.92	0.97	5.5%	
PCB-109 233'46-PeCB	32.13	8.05E+08	0.61 Y	1.00	1.07	7.7%	
PCB-106 233'45-PeCB	32.33	7.34E+08	0.62 Y	0.96	0.98	1.5%	
PCB-122 2'33'45-PeCB	32.79	6.75E+08	0.62 Y	0.93	0.97	5.2%	
PCB-127 33'455'-PeCB	34.76	7.40E+08	0.62 Y	1.04	1.07	3.1%	
PCB-155 22'44'66'-HxCB	28.12	8.78E+08	1.27 Y	1.06	1.11	5.5%	
PCB-152 22'3566'-HxCB	28.25	8.32E+08	1.27 Y	0.98	1.05	7.4%	
PCB-150 22'34'66'-HxCB	28.40	8.25E+08	1.26 Y	0.99	1.05	6.1%	
PCB-136 22'33'66'-HxCB	28.69	7.88E+08	1.26 Y	0.92	1.00	8.7%	
PCB-145 22'3466'HxCB	28.96	7.92E+08	1.26 Y	0.94	1.00	7.0%	
PCB-148 22'34'56'-HxCB	30.26	6.11E+08	1.27 Y	0.95	0.99	4.7%	
PCB-151/135 22'355'6-/22'33'	30.77	1.20E+09	1.26 Y	0.92	0.97	6.0%	
PCB-154 22'44'5'6-HxCB	30.99	6.74E+08	1.26 Y	1.01	1.09	7.8%	
PCB-144 22'345'6-HxCB	31.24	6.14E+08	1.26 Y	0.93	1.00	7.0%	
PCB-147/149 22'34'56-/22'34'	31.54	1.23E+09	1.24 Y	0.94	1.00	6.7%	
PCB-134 22'33'56-HxCB	31.70	5.38E+08	1.26 Y	0.78	0.87	11.2%	
PCB-143 22'3456'-HxCB	31.78	5.70E+08	1.26 Y	0.90	0.93	3.3%	
PCB-139/140 22'344'6-/22'344'	32.05	1.26E+09	1.25 Y	0.95	1.02	7.3%	
PCB-131 22'33'46-HxCB	32.21	5.50E+08	1.26 Y	0.84	0.89	6.7%	
PCB-142 22'3456-HxCB	32.35	5.67E+08	1.27 Y	0.87	0.92	5.7%	
PCB-132 22'33'46'-HxCB	32.59	5.60E+08	1.27 Y	0.88	0.91	3.8%	
PCB-133 22'33'55'-HxCB	33.04	5.76E+08	1.27 Y	0.89	0.93	5.0%	
PCB-165 233'55'6-HxCB	33.38	6.89E+08	1.27 Y	1.06	1.12	5.1%	
PCB-146 22'34'55'-HxCB	33.59	6.06E+08	1.27 Y	0.94	0.98	4.2%	
PCB-161 233'45'6-HxCB	33.70	7.83E+08	1.27 Y	1.20	1.27	6.0%	
PCB-153/168 22'44'55'-/23'44'	34.13	1.47E+09	1.26 Y	1.15	1.19	4.1%	
PCB-141 22'3455'-HxCB	34.26	5.91E+08	1.27 Y	0.91	0.96	5.0%	
PCB-130 22'33'45'-HxCB	34.60	5.33E+08	1.26 Y	0.82	0.86	5.2%	
PCB-137 22'344'5-HxCB	34.80	6.27E+08	1.26 Y	1.00	1.02	1.3%	
PCB-164 233'4'5'6-HxCB	34.88	7.81E+08	1.27 Y	1.14	1.27	11.4%	
PCB-163/138/129 233'4'56-/22'	35.17	1.92E+09	1.27 Y	0.98	1.04	5.5%	
PCB-160 233'456-HxCB	35.30	7.33E+08	1.27 Y	1.14	1.19	4.1%	
PCB-158 233'44'6-HxCB	35.49	8.10E+08	1.28 Y	1.24	1.31	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.21	1.20E+09	1.25 Y	0.86	0.94	9.0%	
PCB-159 233'455'-HxCB	37.06	7.01E+08	1.25 Y	1.03	1.10	6.9%	
PCB-162 233'4'55'-HxCB	37.30	7.25E+08	1.24 Y	1.04	1.14	9.3%	
PCB-188 22'34'566'-HpCB	32.97	8.25E+08	1.06 Y	1.07	1.13	5.6%	
PCB-179 22'33'566'-HpCB	33.24	7.72E+08	1.07 Y	0.98	1.05	7.8%	
PCB-184 22'344'66'-HpCB	33.71	7.44E+08	1.06 Y	0.97	1.02	4.5%	

PCB QC Summary - Ax2 Detail					Printed: 30-Jan-2012 13:49		
Lab ID:	CS5_120126_PCB_SA			ICAL: MM4_PCB_01102012_26JAN12			
Acquired:	26-JAN-2012 20:44						
Datafile:	120126S08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.99	8.38E+08	1.06 Y	1.06	1.14	7.4%	
PCB-186 22'34566'-HpCB	34.37	7.98E+08	1.05 Y	1.02	1.09	7.2%	
PCB-178 22'33'55'6'-HpCB	35.54	6.00E+08	1.06 Y	0.77	0.82	6.2%	
PCB-175 22'33'45'6'-HpCB	36.09	5.57E+08	1.07 Y	0.89	0.96	7.2%	
PCB-187 22'34'55'6'-HpCB	36.31	5.69E+08	1.03 Y	0.94	0.98	4.5%	
PCB-182 22'344'56'-HpCB	36.49	5.91E+08	1.05 Y	0.95	1.02	6.9%	
PCB-183 22'344'5'6'-HpCB	36.83	5.85E+08	1.06 Y	0.96	1.01	5.1%	
PCB-185 22'3455'6'-HpCB	36.90	5.84E+08	1.07 Y	0.93	1.00	7.9%	
PCB-174 22'33'456'-HpCB	37.02	5.11E+08	1.07 Y	0.80	0.88	9.6%	
PCB-177 22'33'4'56'-HpCB	37.39	5.09E+08	1.04 Y	0.82	0.87	7.1%	
PCB-181 22'344'56'-HpCB	37.74	5.90E+08	1.03 Y	0.91	1.01	10.9%	
PCB-171/173 22'33'44'6'-/22'3	37.91	1.03E+09	1.05 Y	0.81	0.89	9.0%	
PCB-172 22'33'455'-HpCB	39.30	5.16E+08	1.02 Y	0.83	0.89	7.2%	
PCB-192 233'455'6'-HpCB	39.54	6.68E+08	1.05 Y	1.09	1.15	5.0%	
PCB-180/193 22'344'55'-/233'	39.82	1.24E+09	1.05 Y	1.01	1.06	4.8%	
PCB-191 233'44'5'6'-HpCB	40.15	6.92E+08	1.07 Y	1.13	1.19	5.0%	
PCB-170 22'33'44'5'-HpCB	40.90	5.26E+08	1.04 Y	1.00	1.08	8.2%	
PCB-190 233'44'56'-HpCB	41.35	7.06E+08	1.04 Y	1.35	1.45	7.3%	
PCB-202 22'33'55'66'-OcCB	37.51	6.03E+08	0.89 Y	0.83	0.85	3.3%	
PCB-201 22'33'45'66'-OcCB	38.29	6.79E+08	0.89 Y	0.93	0.96	3.9%	
PCB-204 22'344'566'-OcCB	38.87	6.47E+08	0.88 Y	0.89	0.92	2.8%	
PCB-197 22'33'44'66'-OcCB	39.06	7.08E+08	0.88 Y	0.91	1.00	9.8%	
PCB-200 22'33'4566'-OcCB	39.13	6.40E+08	0.89 Y	0.93	0.91	-2.3%	
PCB-198/199 22'33'455'6'-/22'	41.49	9.95E+08	0.88 Y	0.68	0.70	3.1%	
PCB-196 22'33'44'56'-OcCB	42.06	5.21E+08	0.86 Y	0.72	0.74	2.9%	
PCB-203 22'344'55'6'-OcCB	42.23	5.47E+08	0.88 Y	0.74	0.77	5.2%	
PCB-195 22'33'44'56'-OcCB	43.34	4.22E+08	0.89 Y	0.81	0.85	4.4%	
PCB-194 22'33'44'55'-OcCB	45.31	4.61E+08	0.89 Y	0.86	0.92	7.7%	
PCB-205 233'44'55'6'-OcCB	45.71	5.72E+08	0.90 Y	1.09	1.15	5.0%	
PCB-208 22'33'455'66'-NoCB	43.15	5.44E+08	0.78 Y	0.98	1.03	5.2%	
PCB-207 22'33'44'566'-NoCB	43.93	5.65E+08	0.77 Y	1.02	1.07	5.2%	
PCB-206 22'33'44'55'6'-NoCB	47.18	4.12E+08	0.80 Y	0.93	0.97	4.1%	

AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

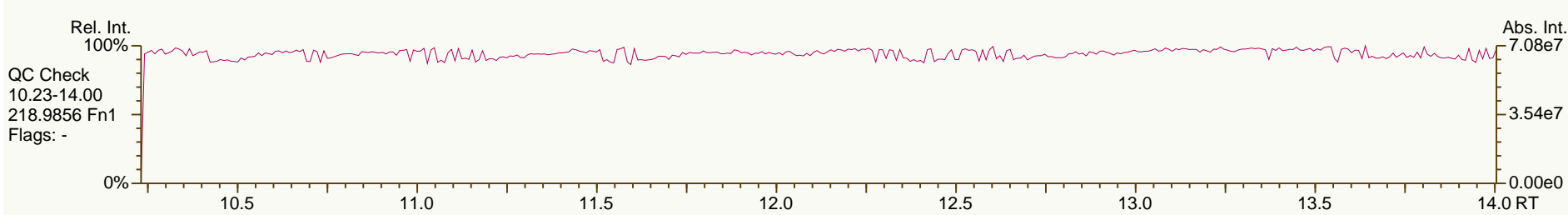
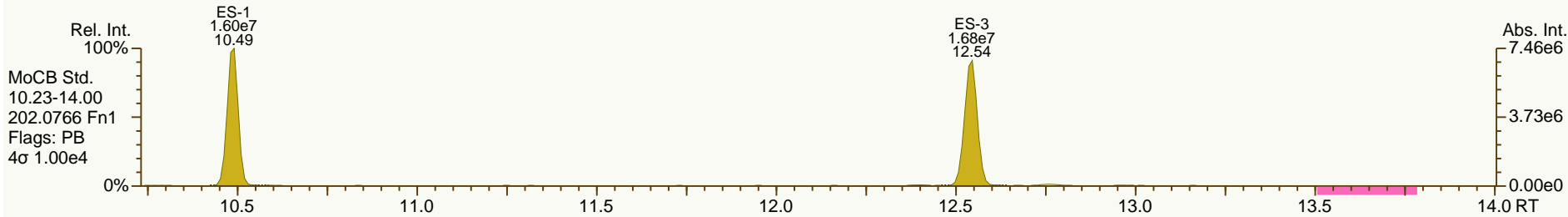
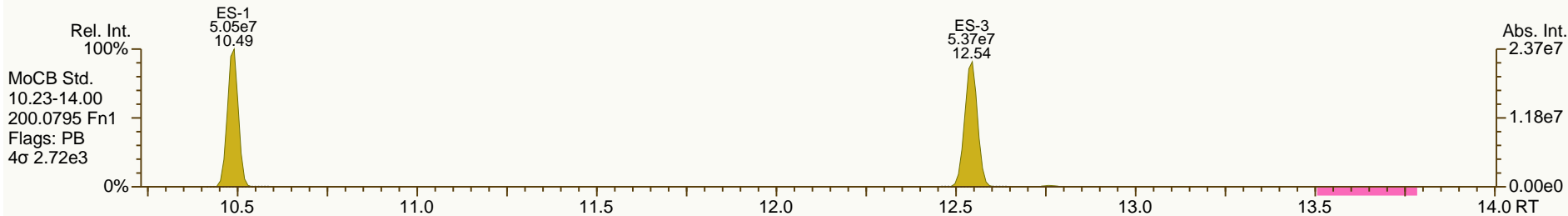
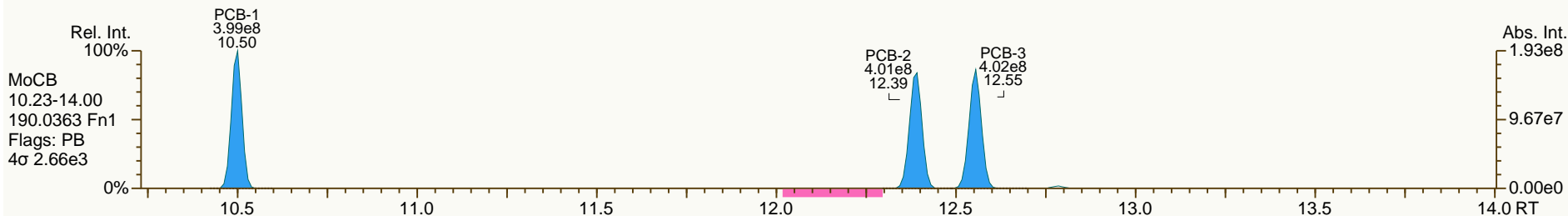
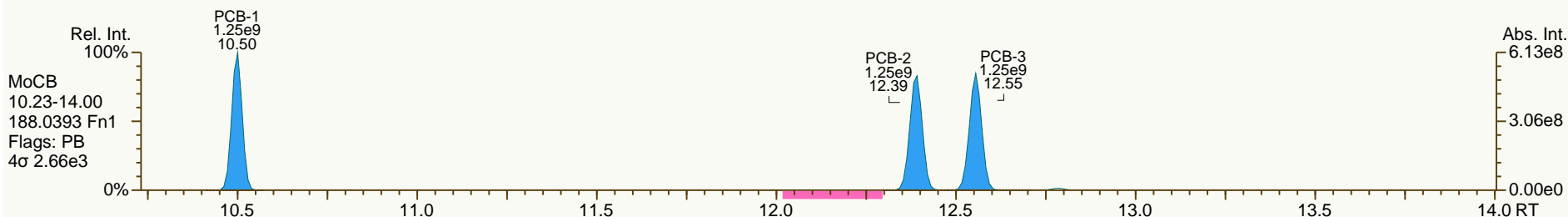
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

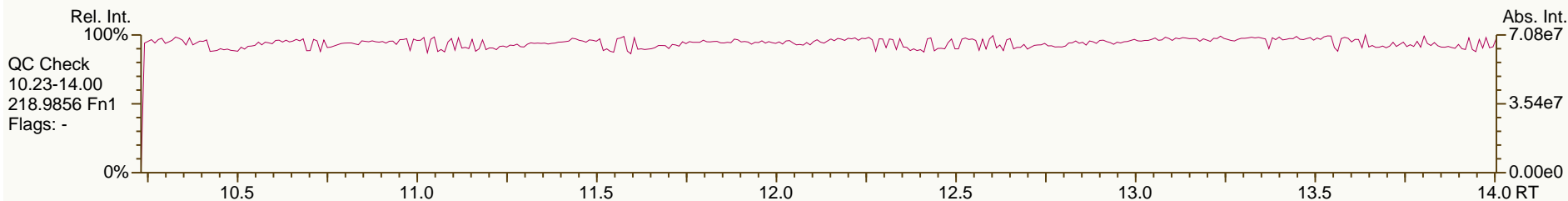
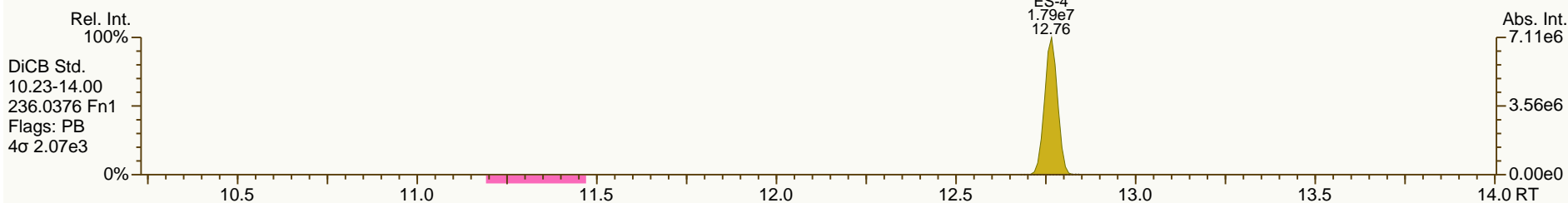
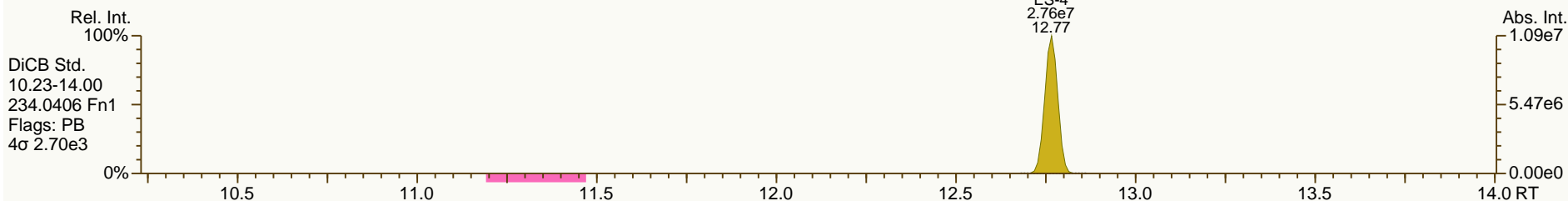
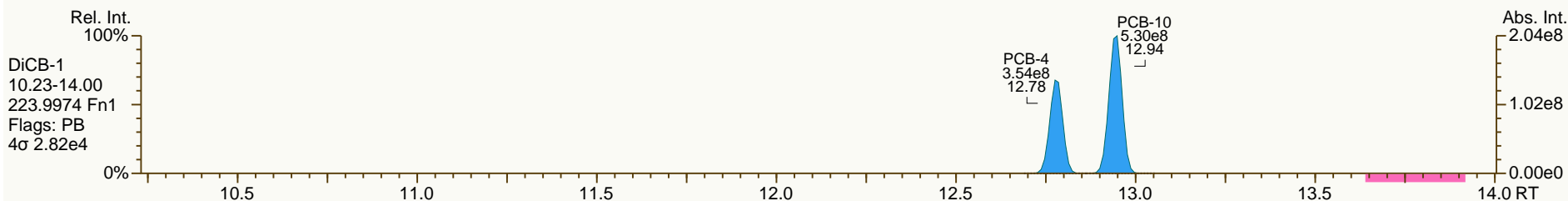
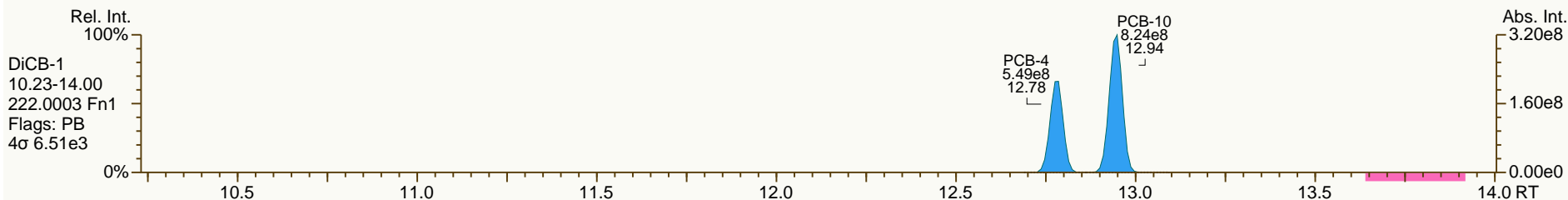
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AP Lab ID: CS5_120126_PCB_SA
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 25

Acq: 26-Jan-2012 20:44:52
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AP Lab ID: CS5_120126_PCB_SA
 Instr: AutoSpec-Ultima MM4

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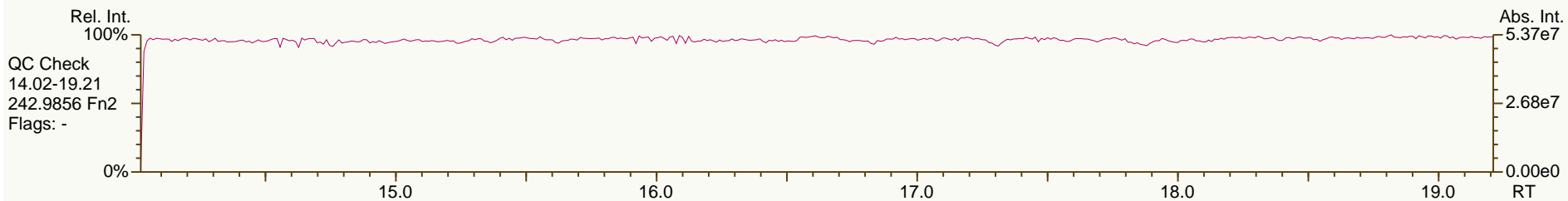
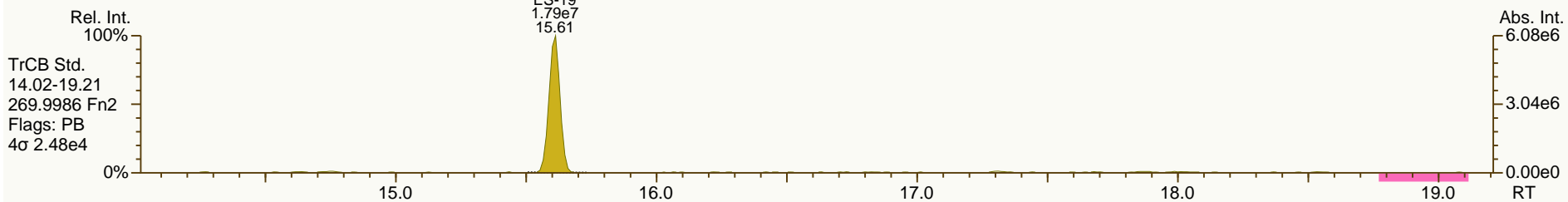
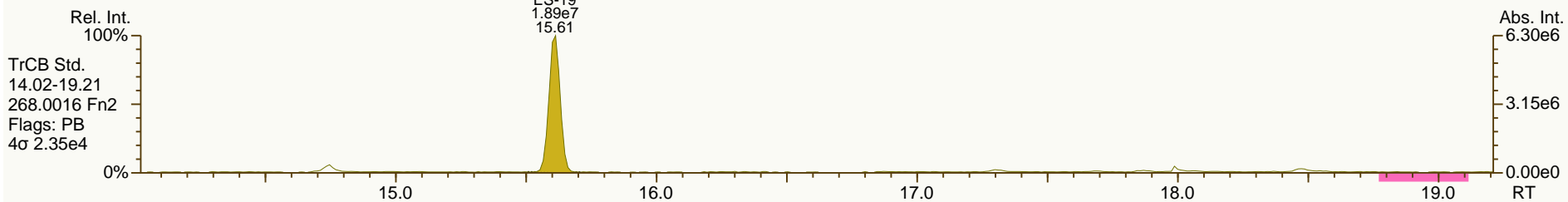
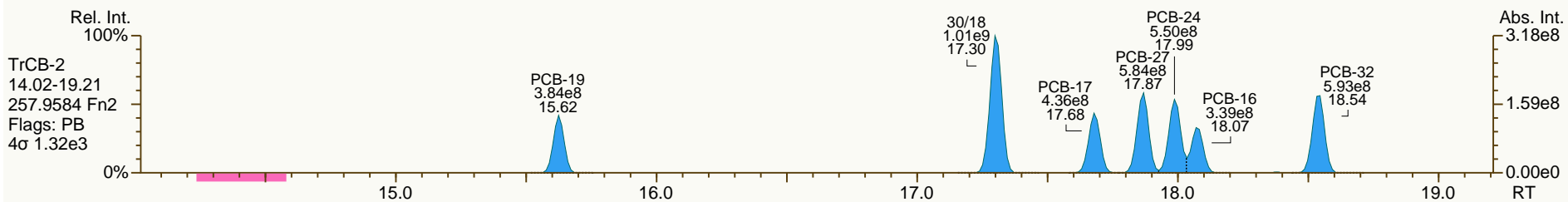
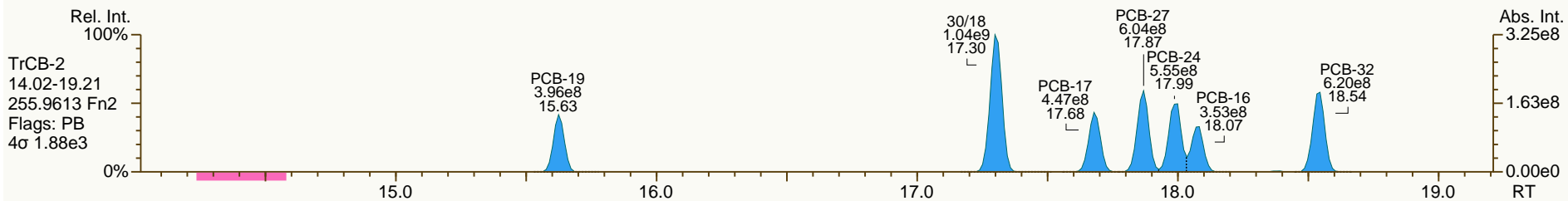
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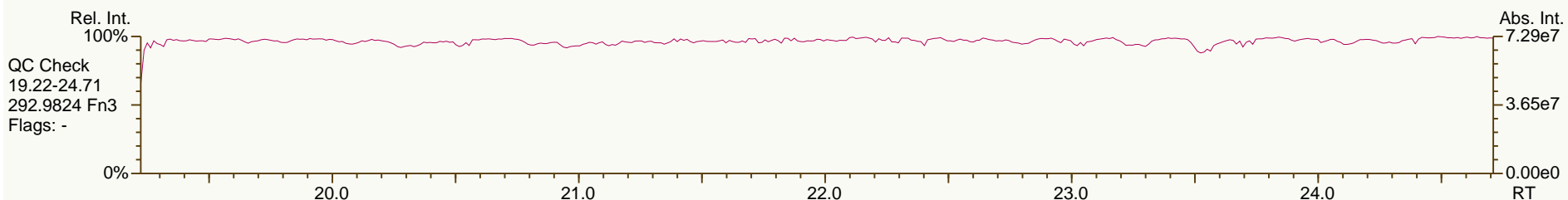
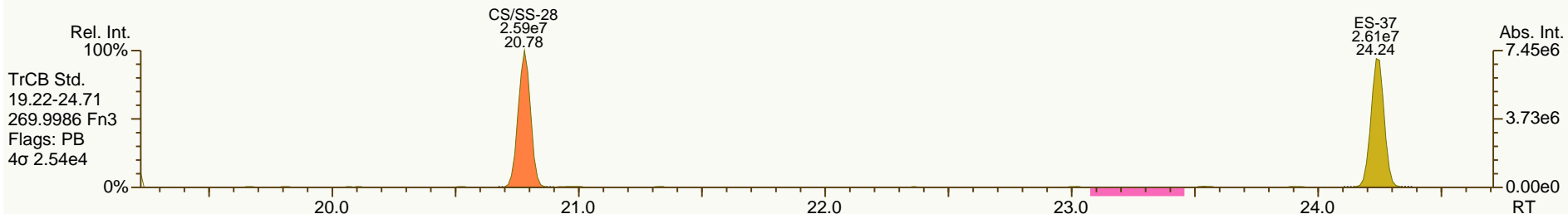
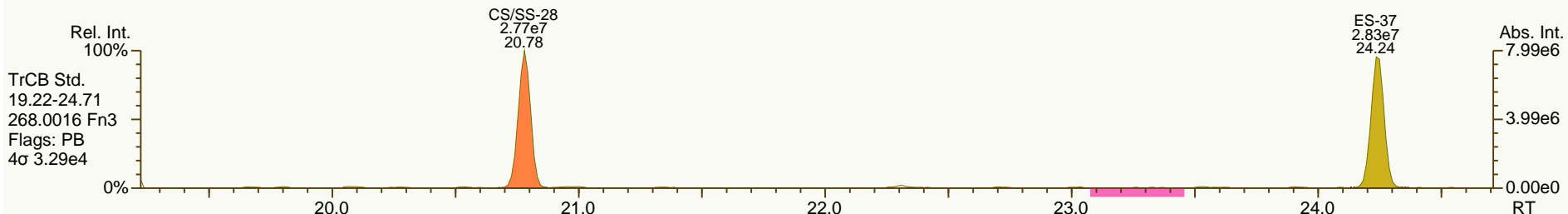
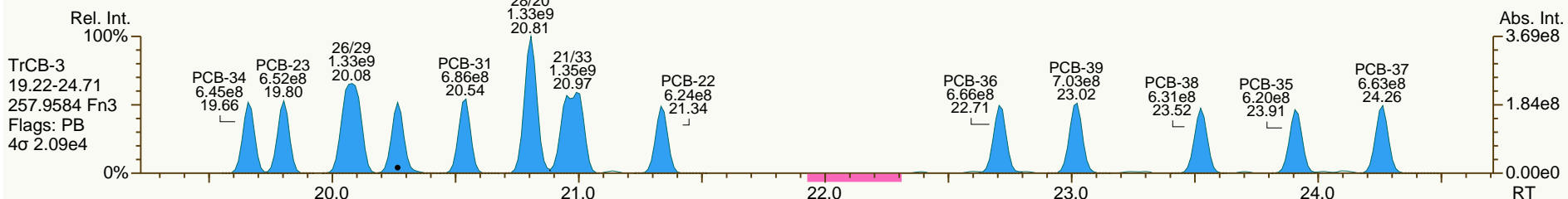
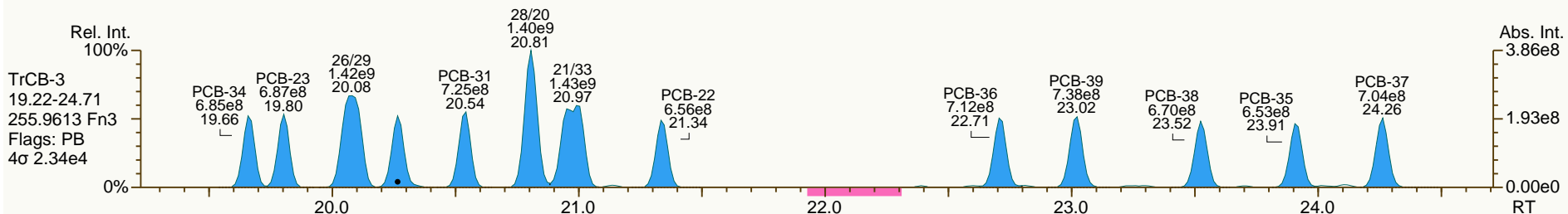
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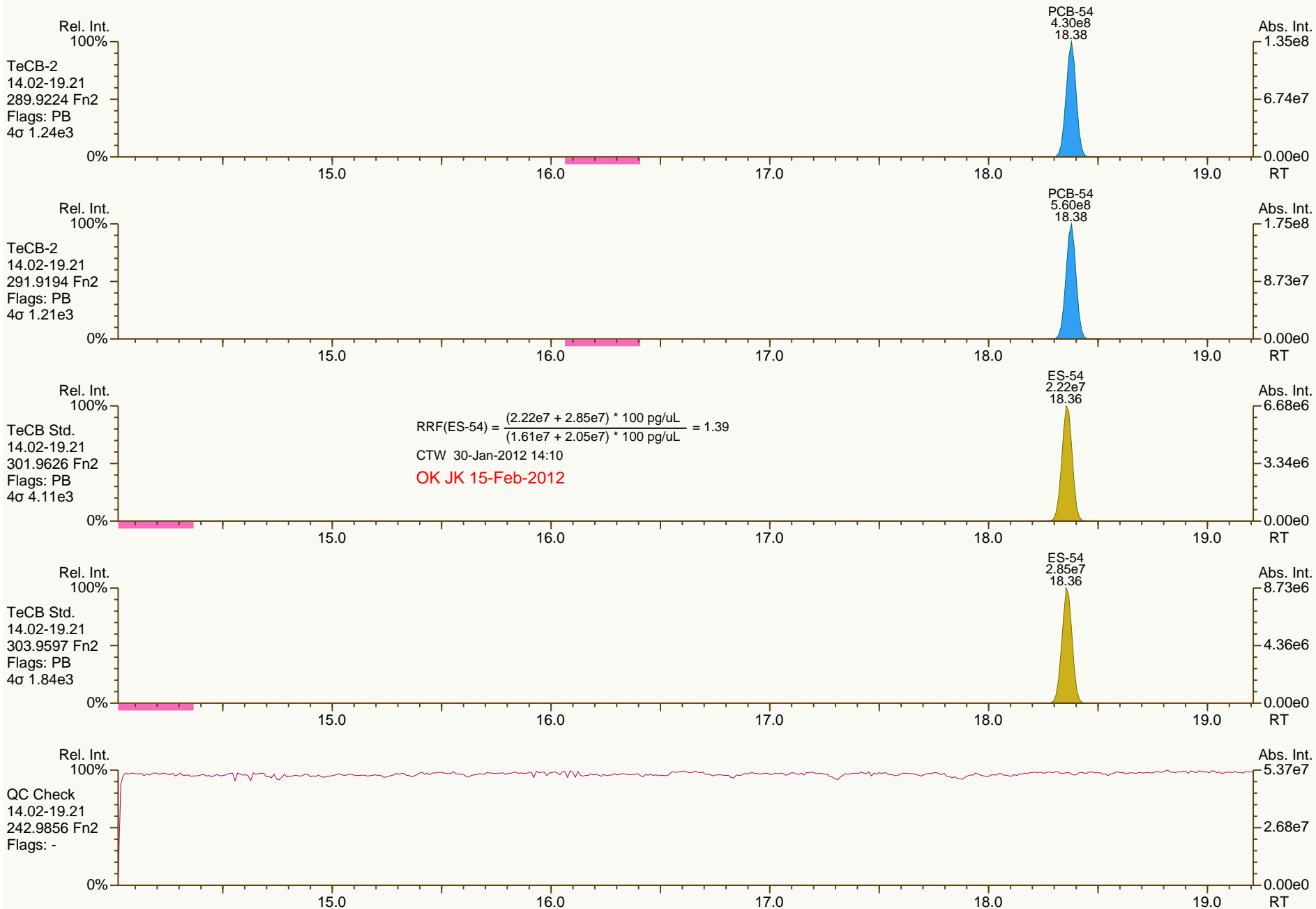
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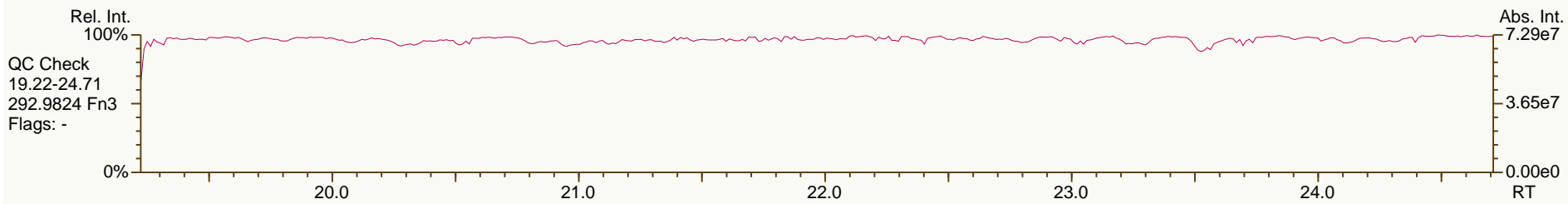
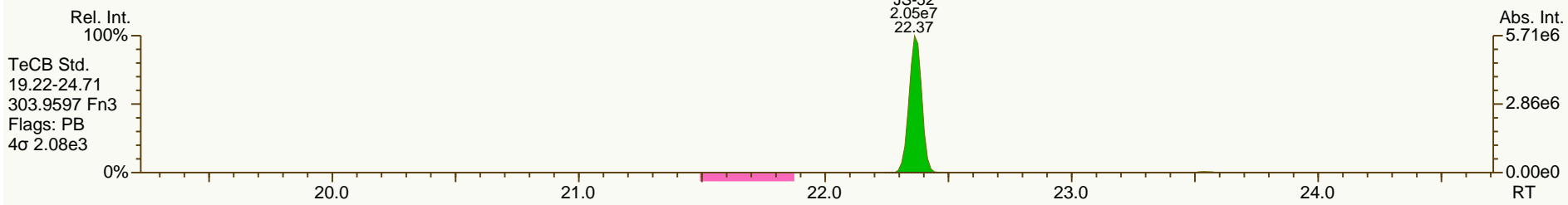
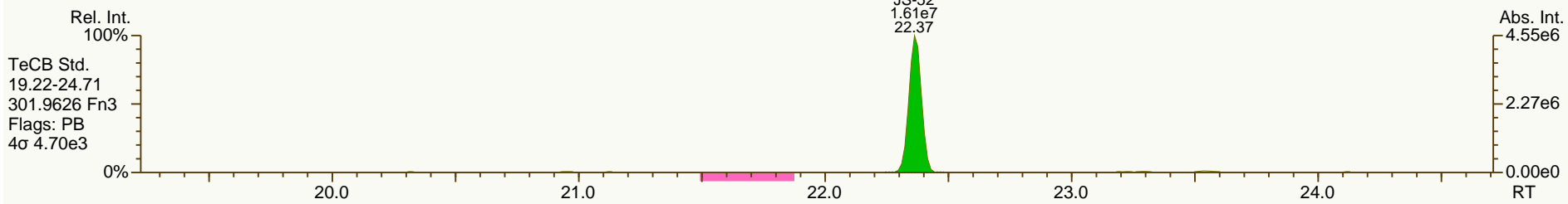
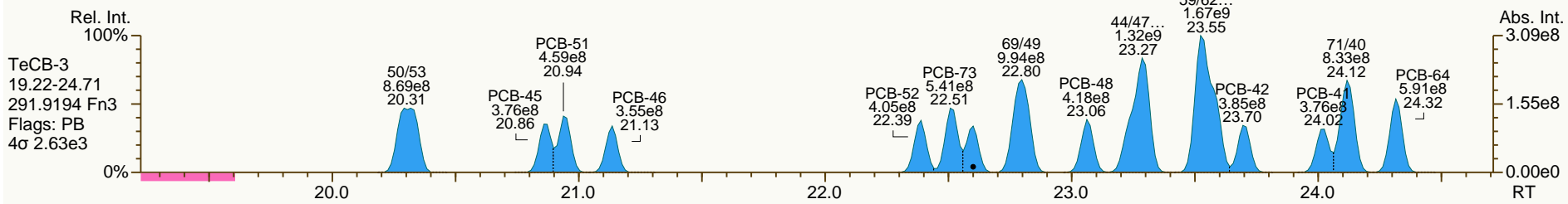
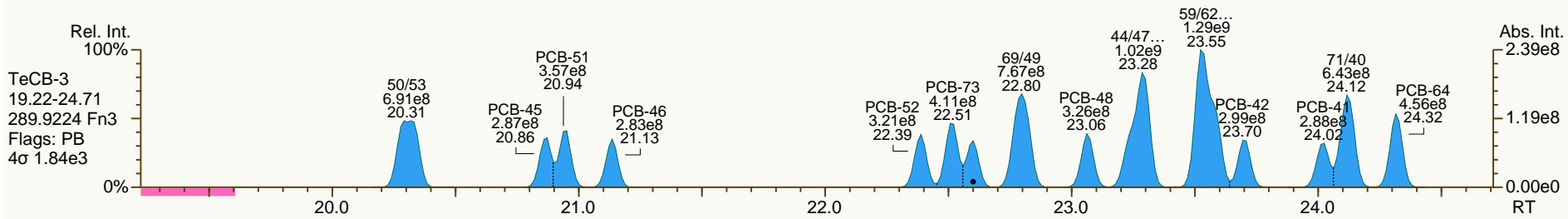
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AP Lab ID: CS5_120126_PCB_SA
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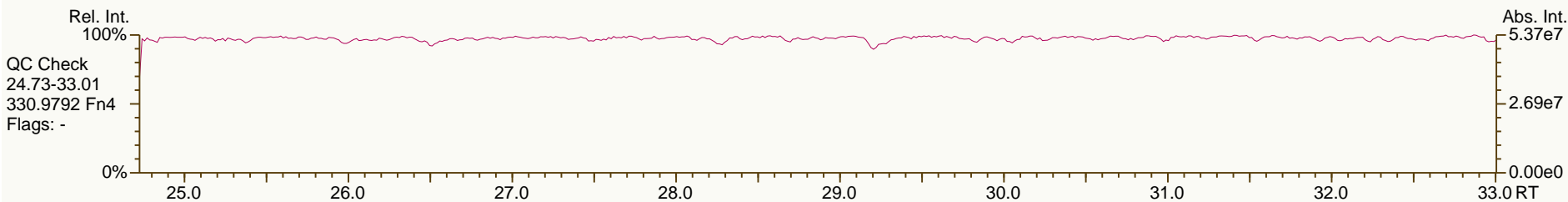
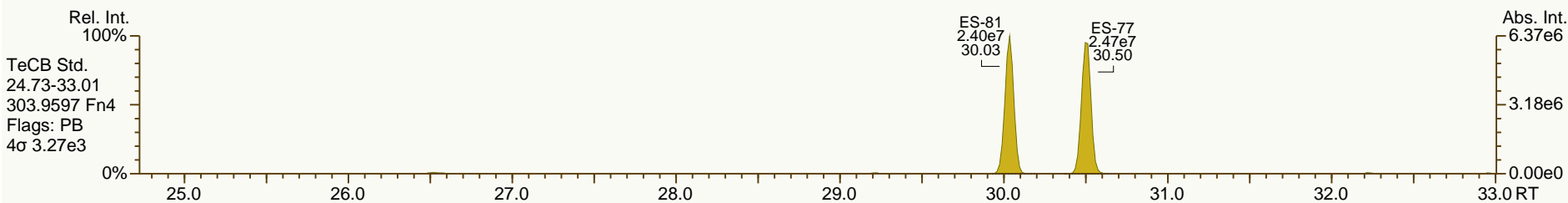
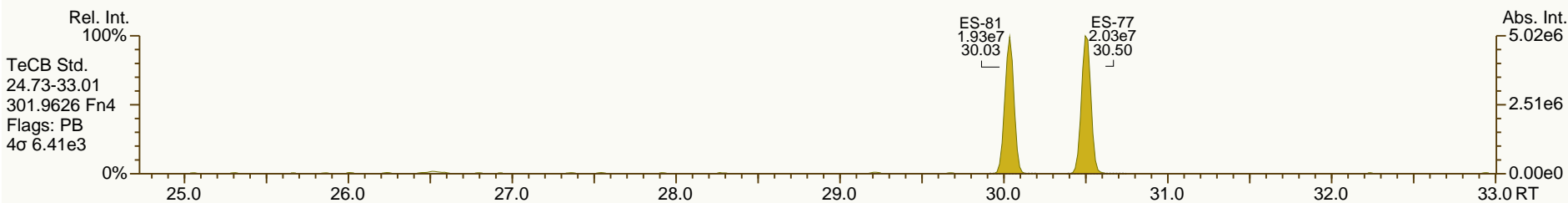
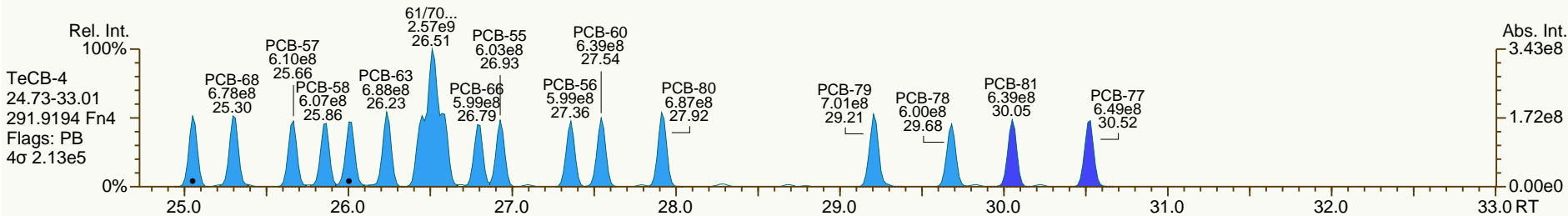
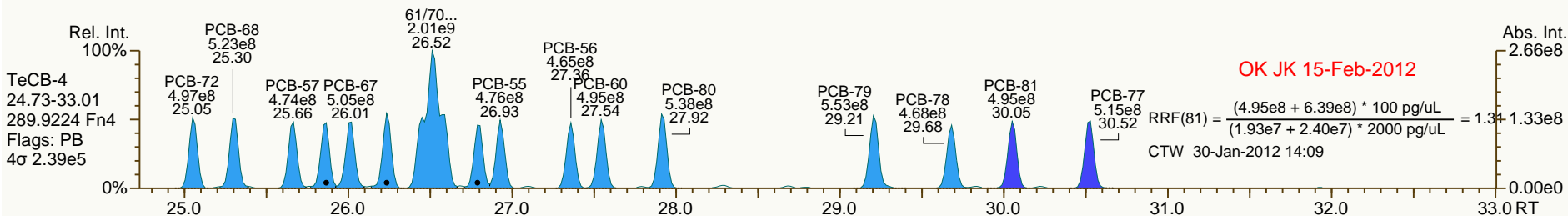
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AP Lab ID: CS5_120126_PCB_SA
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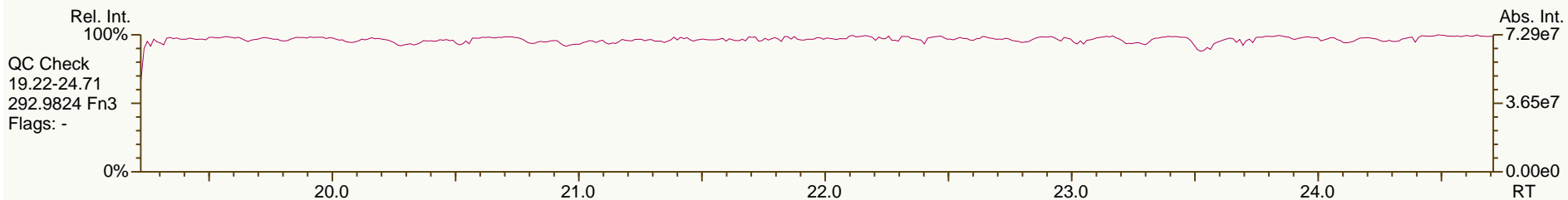
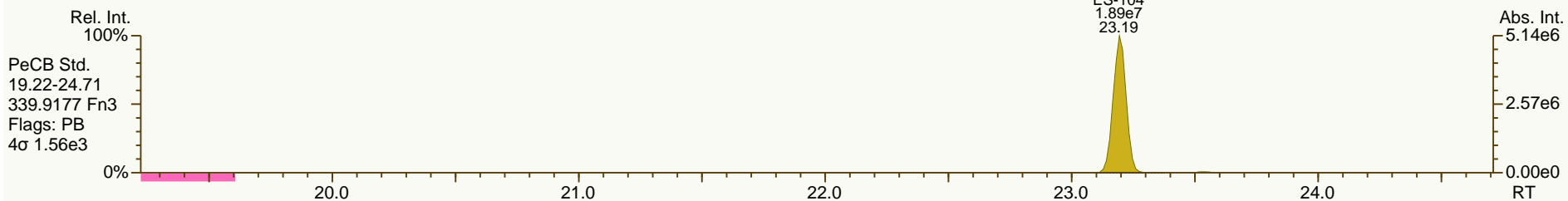
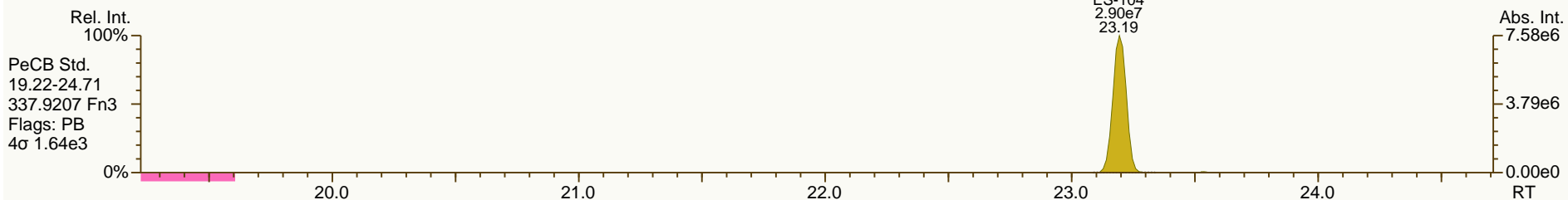
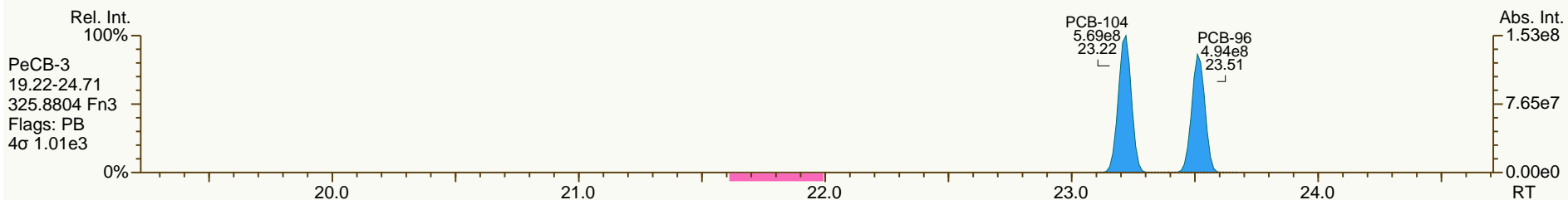
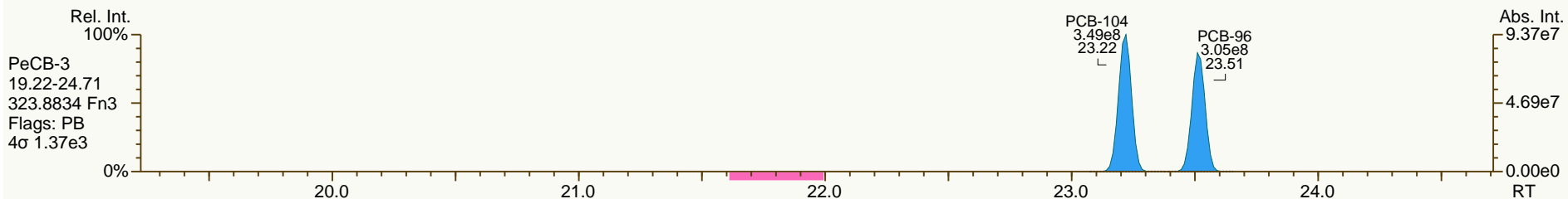
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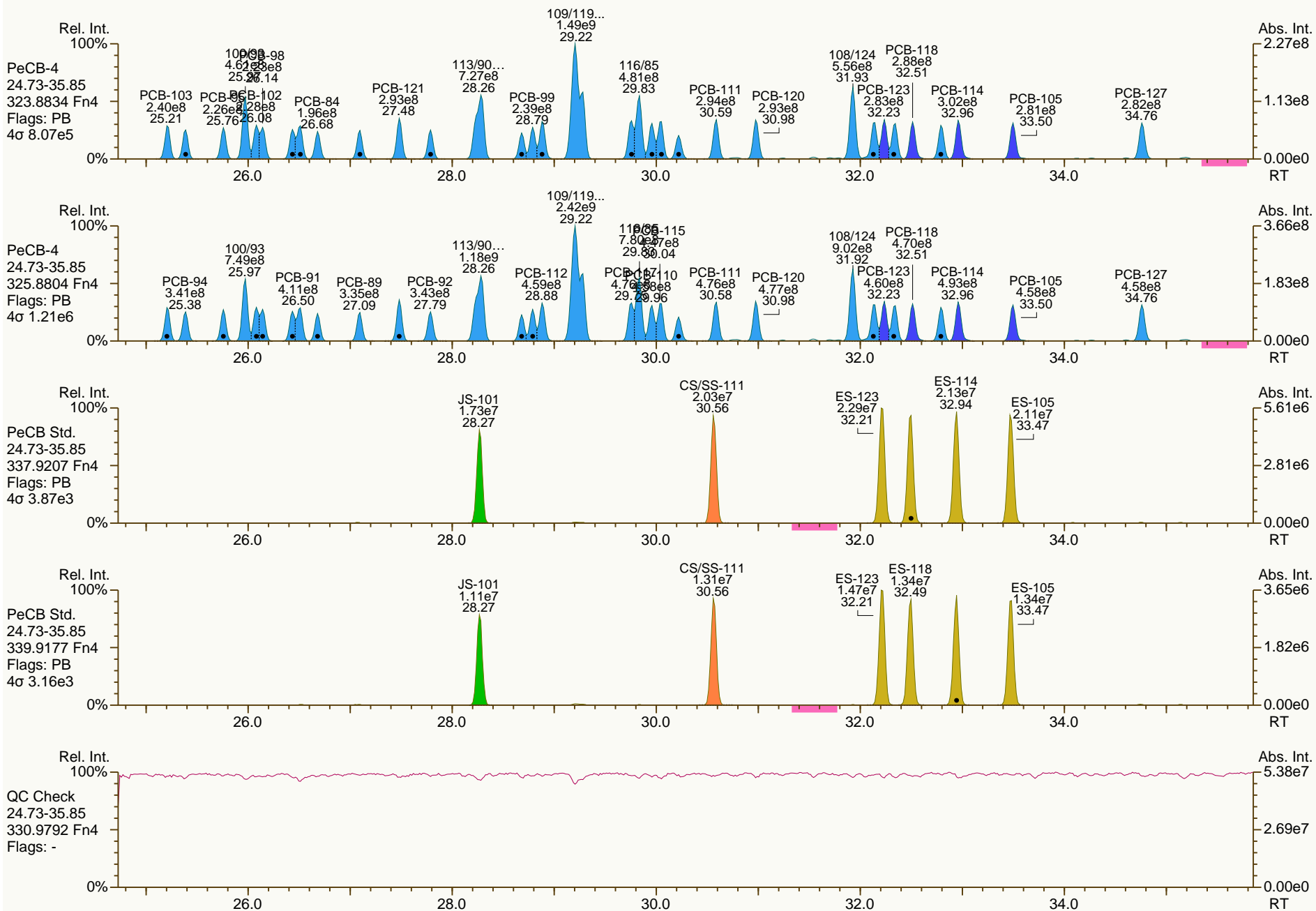
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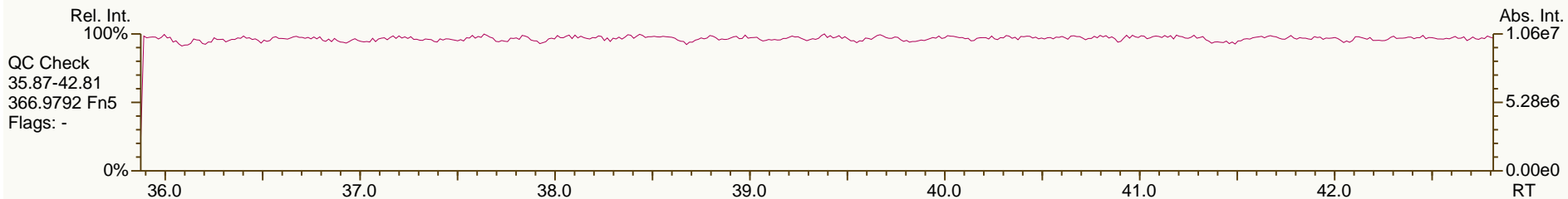
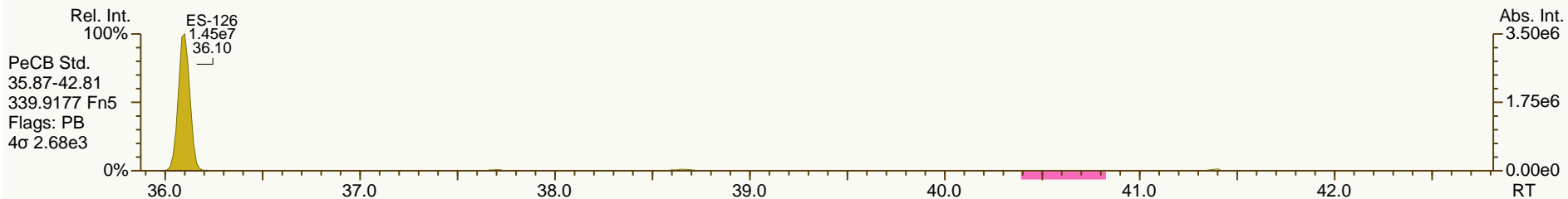
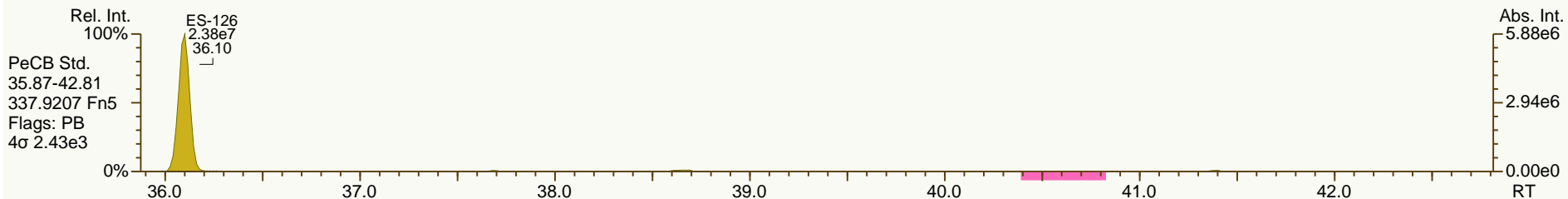
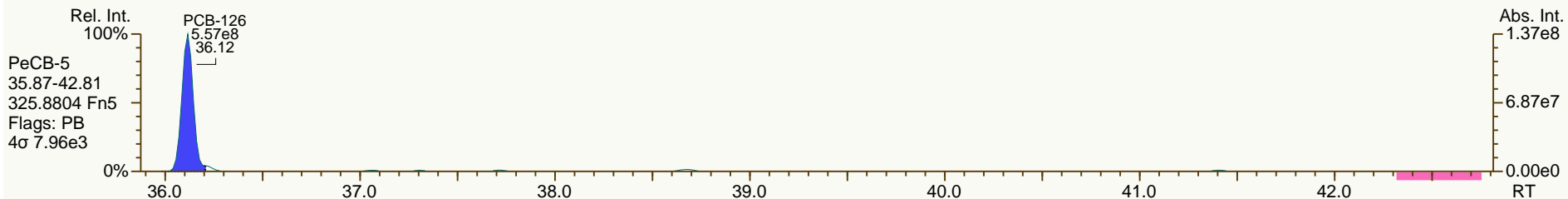
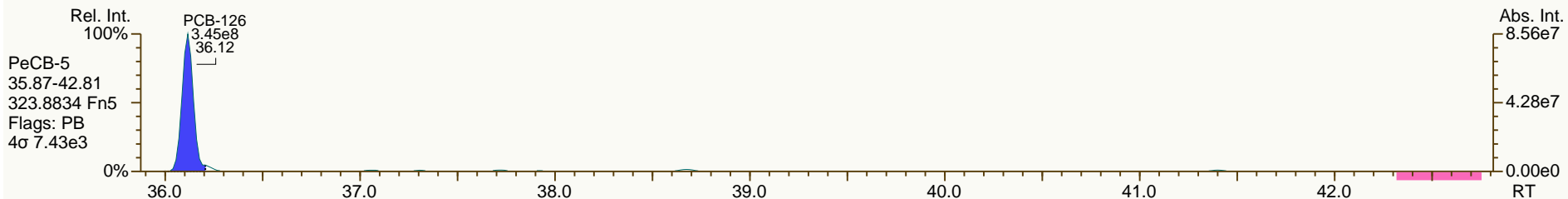
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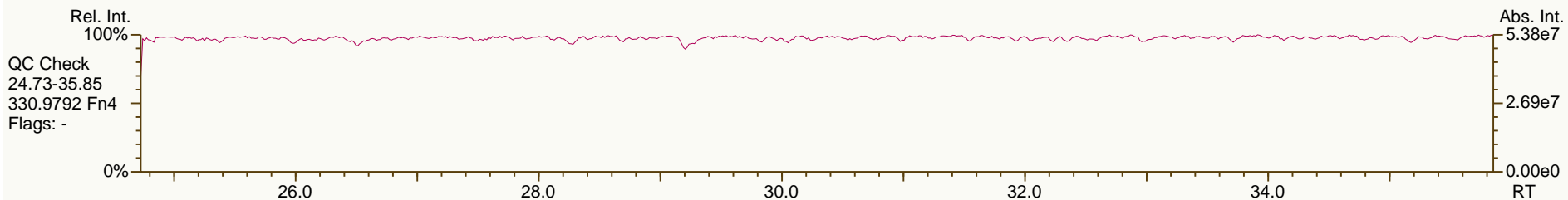
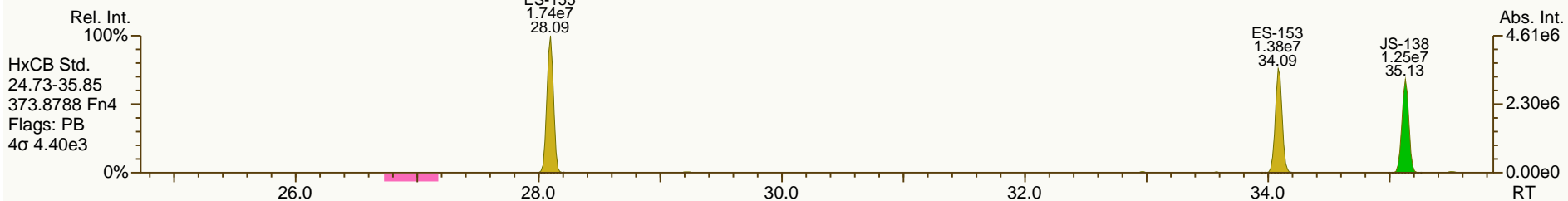
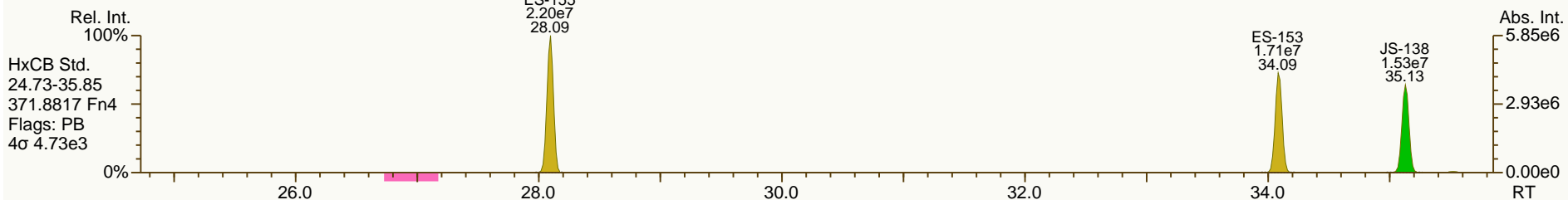
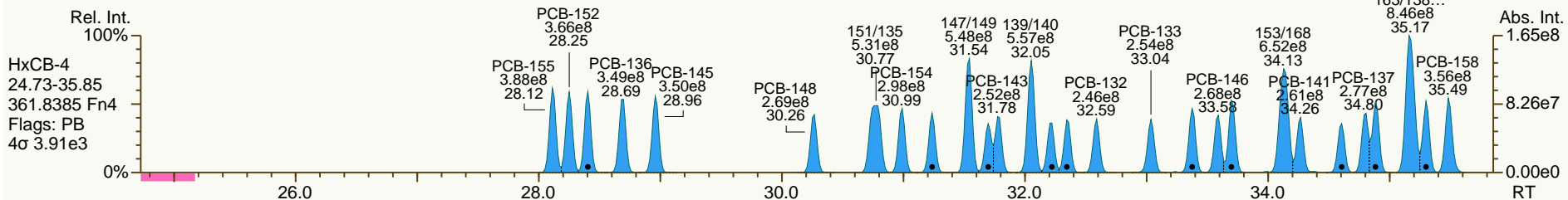
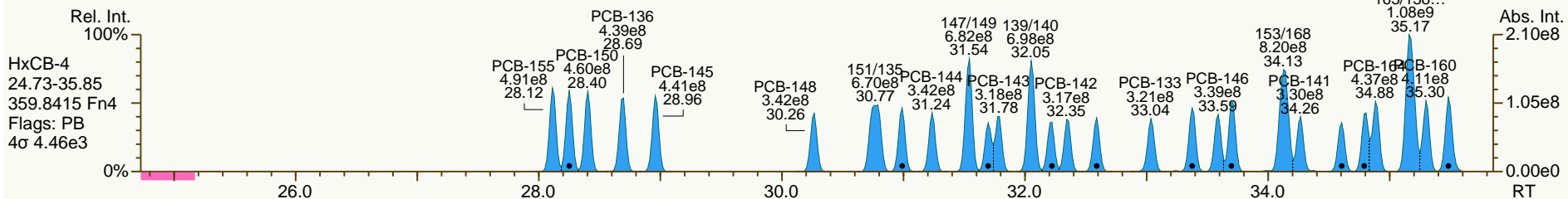
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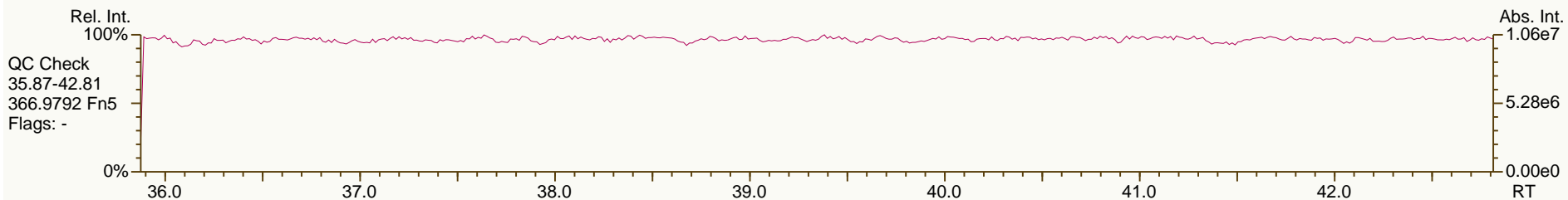
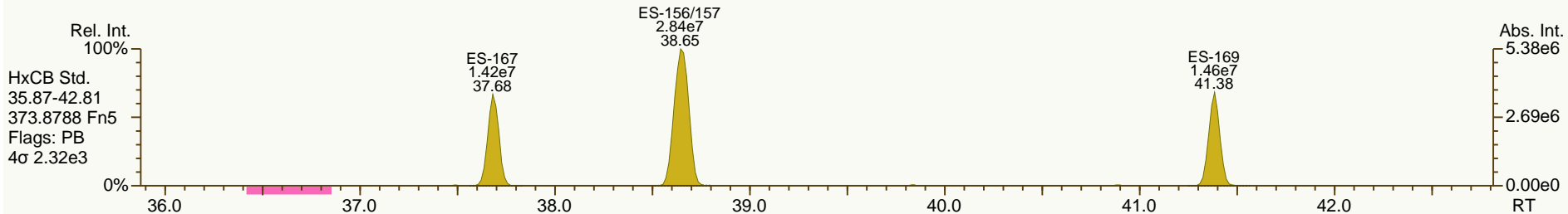
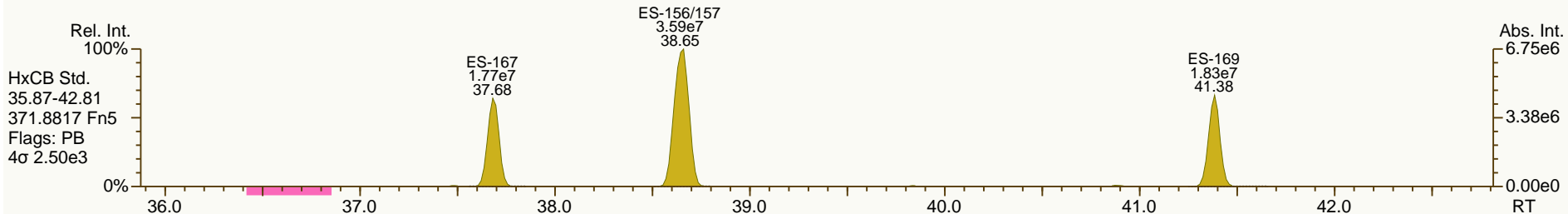
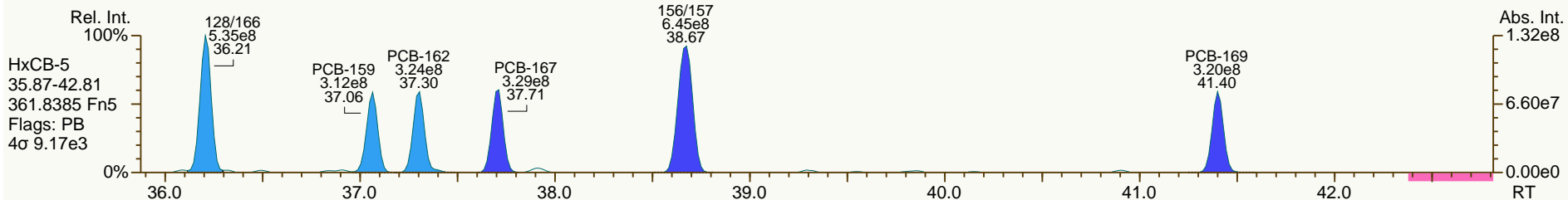
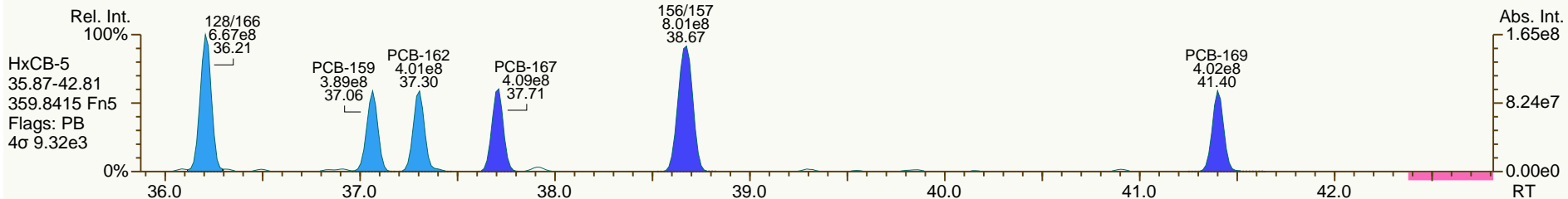
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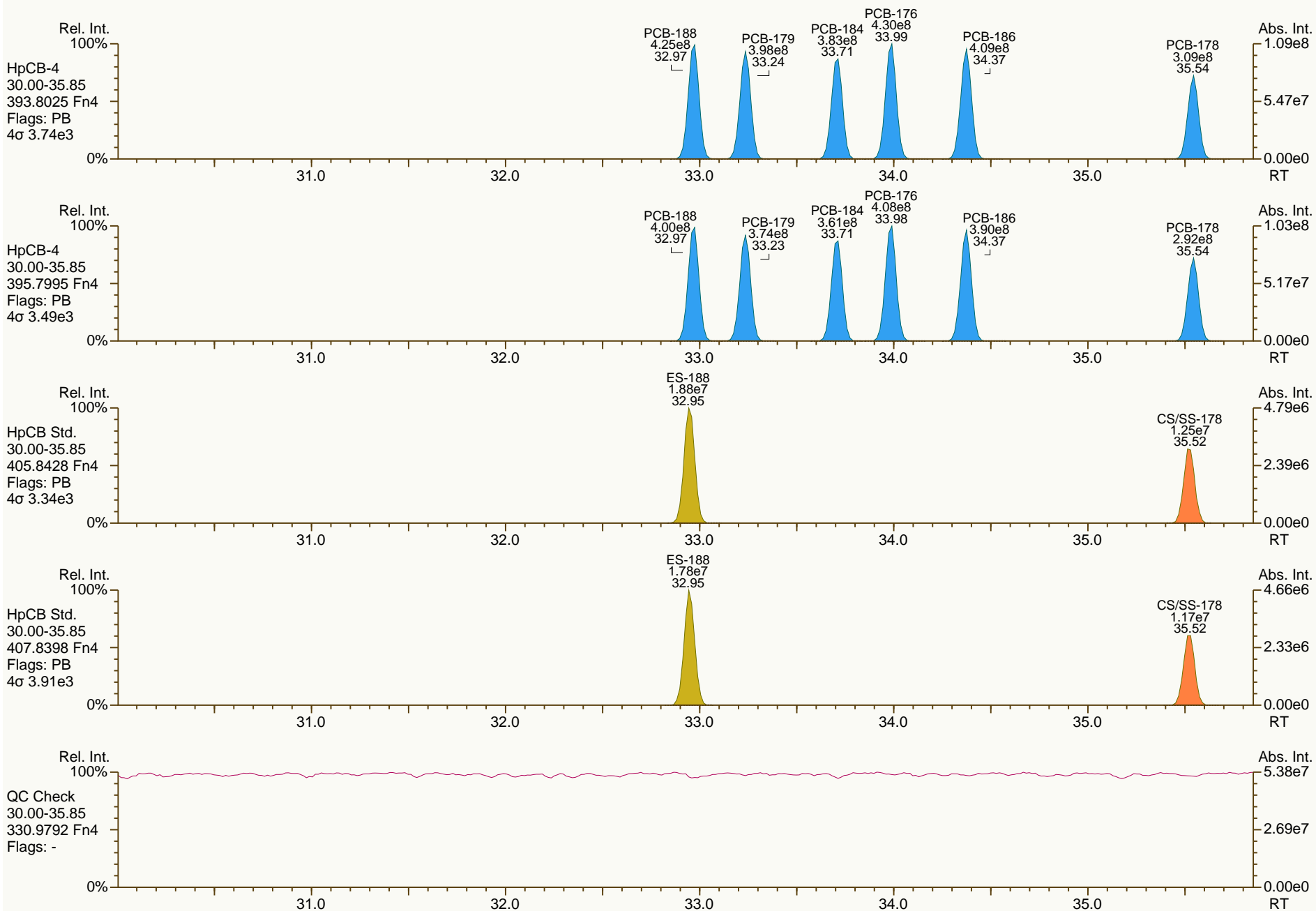
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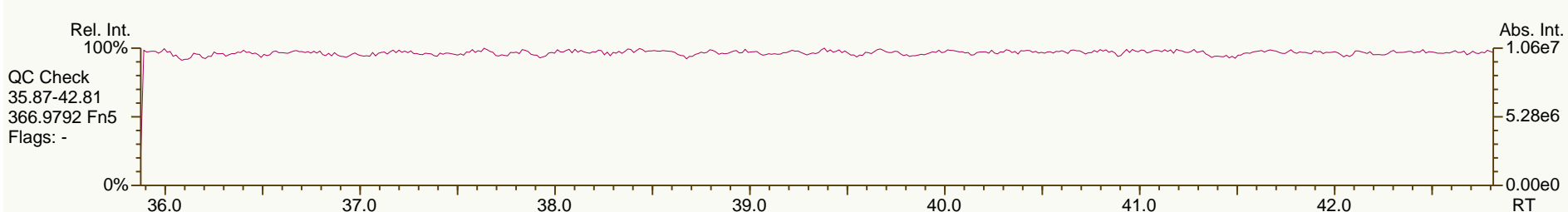
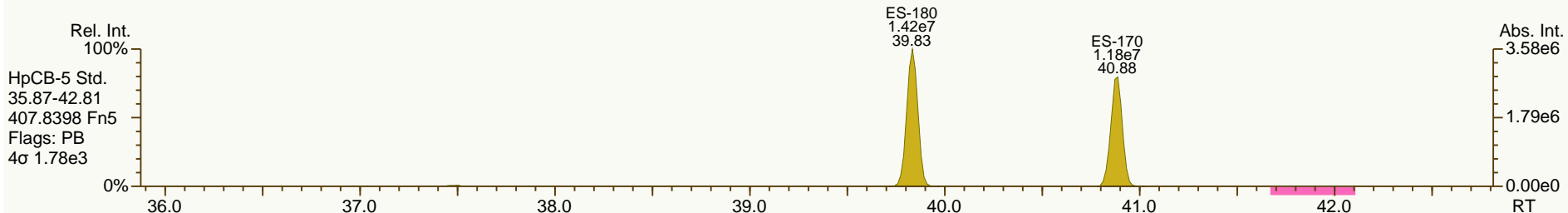
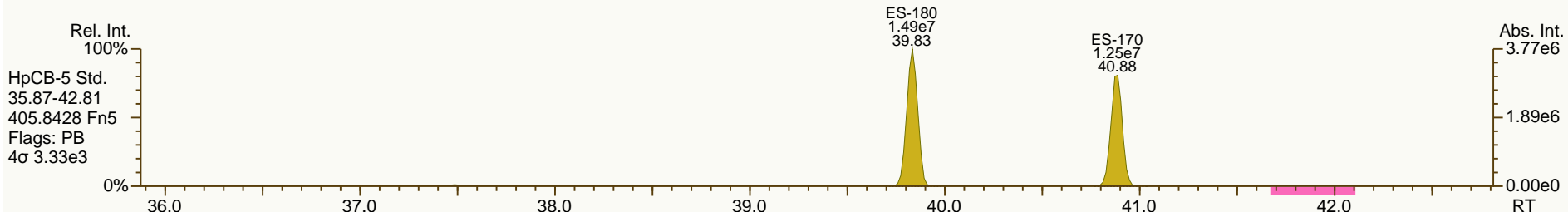
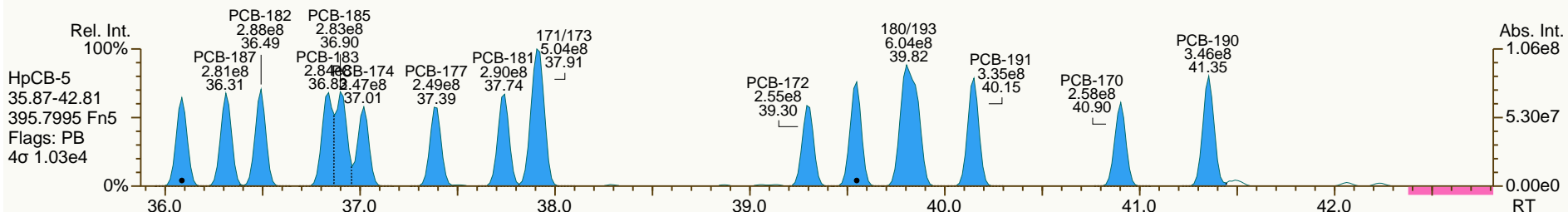
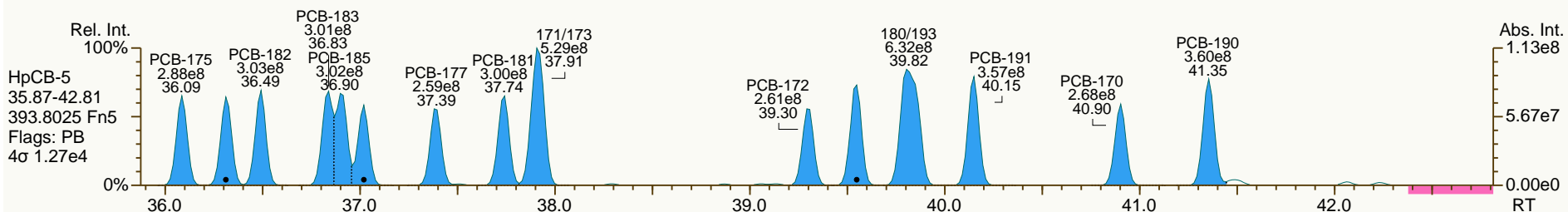
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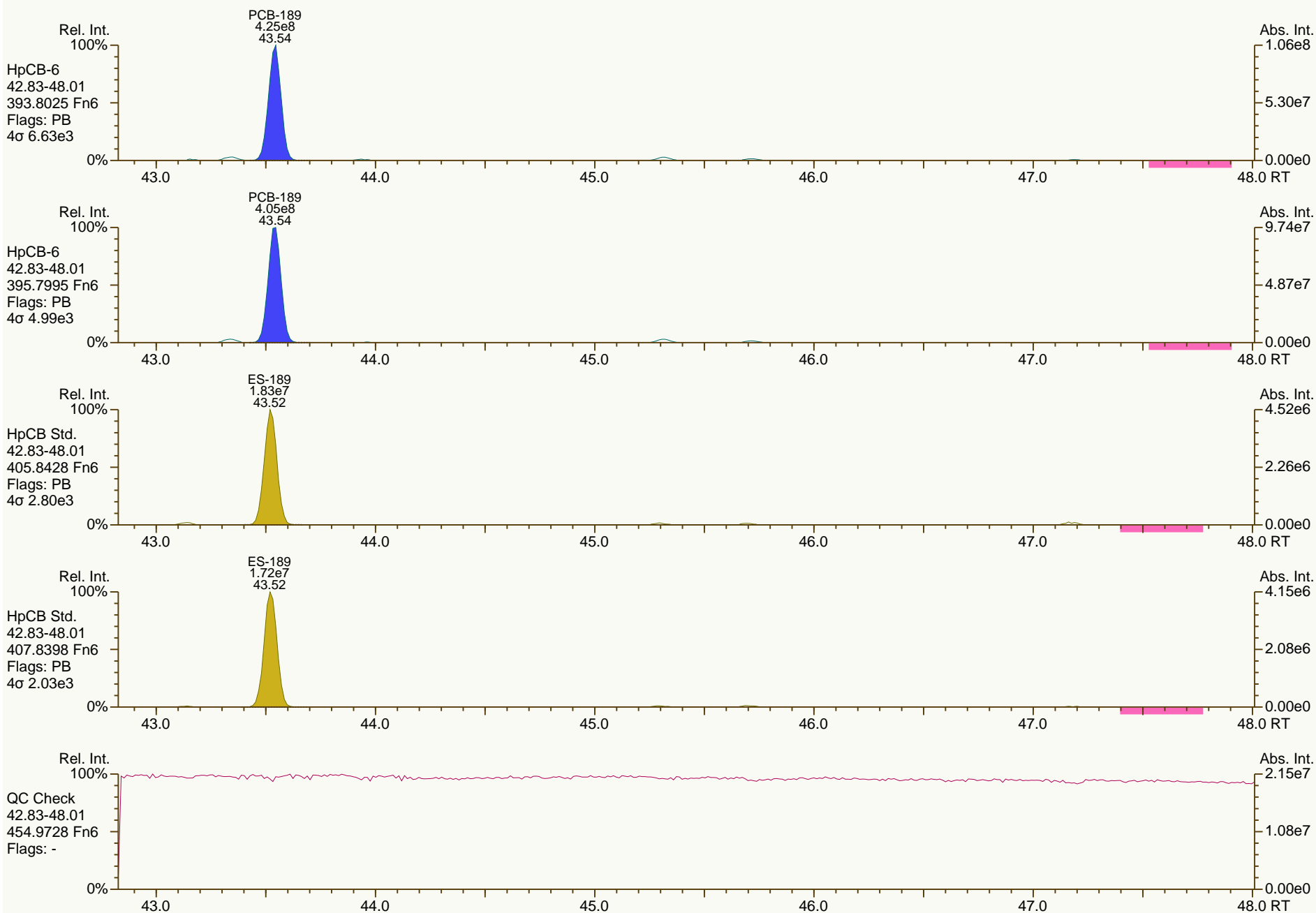
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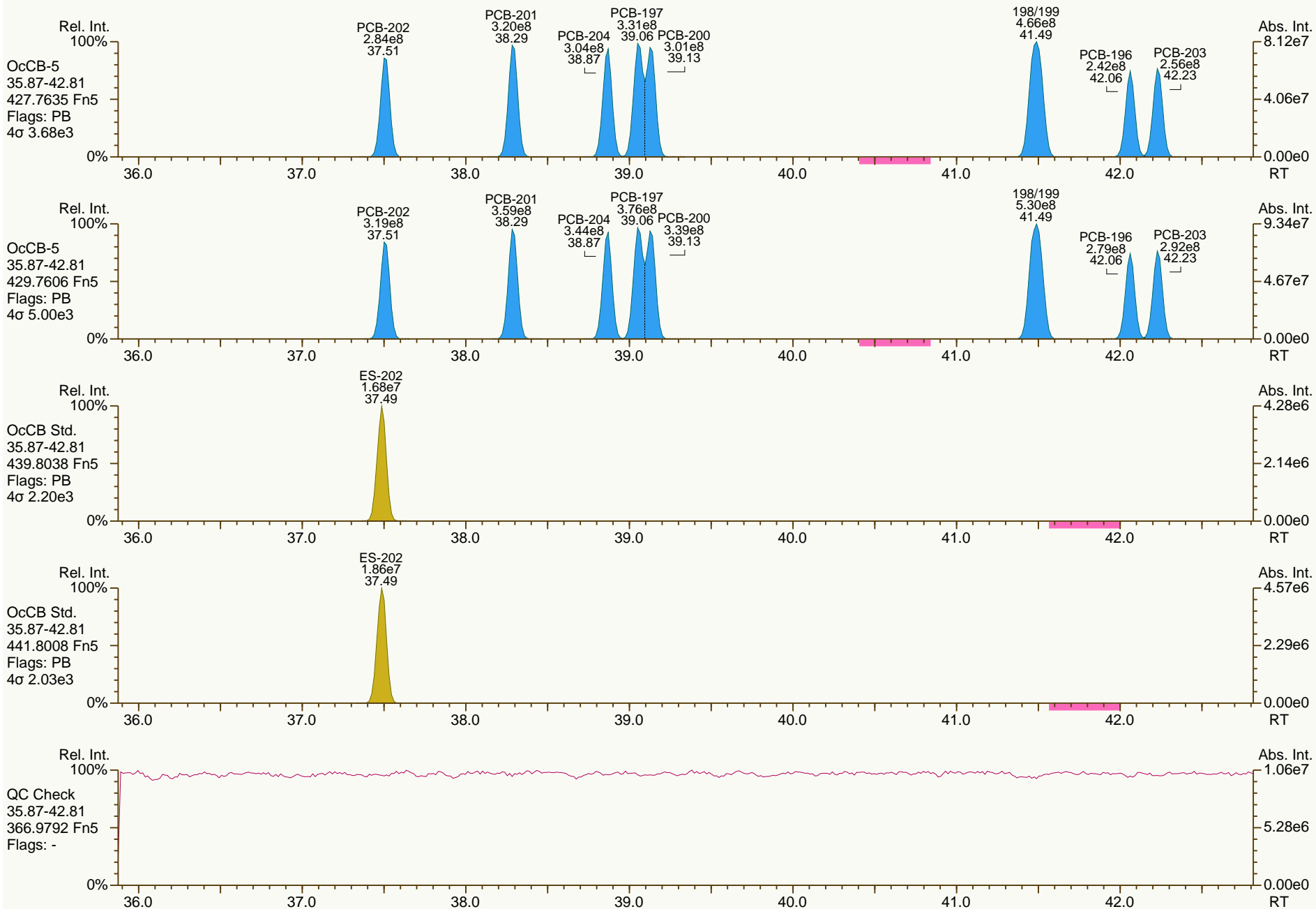
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 Instr: AutoSpec-Ultima MM4

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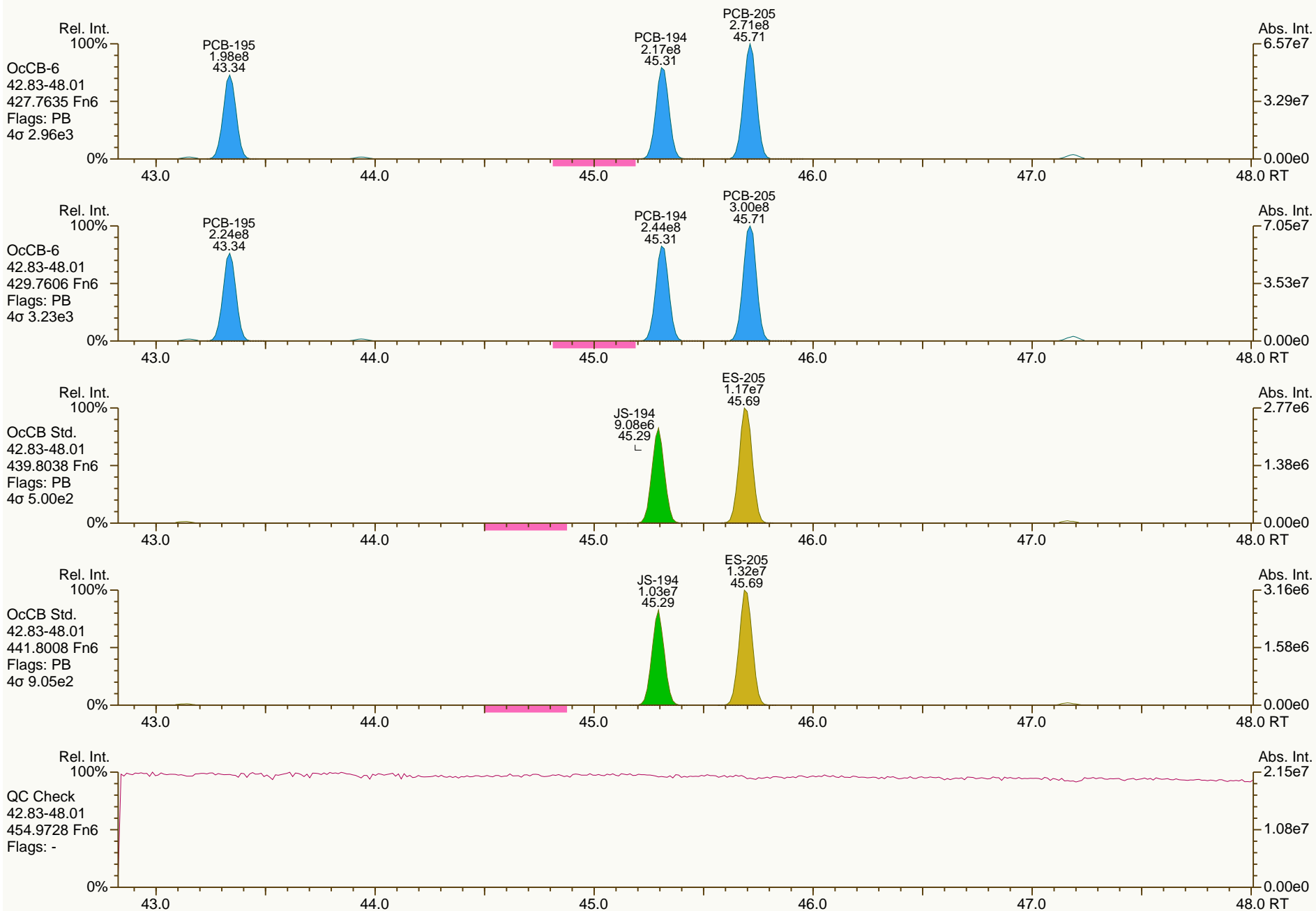
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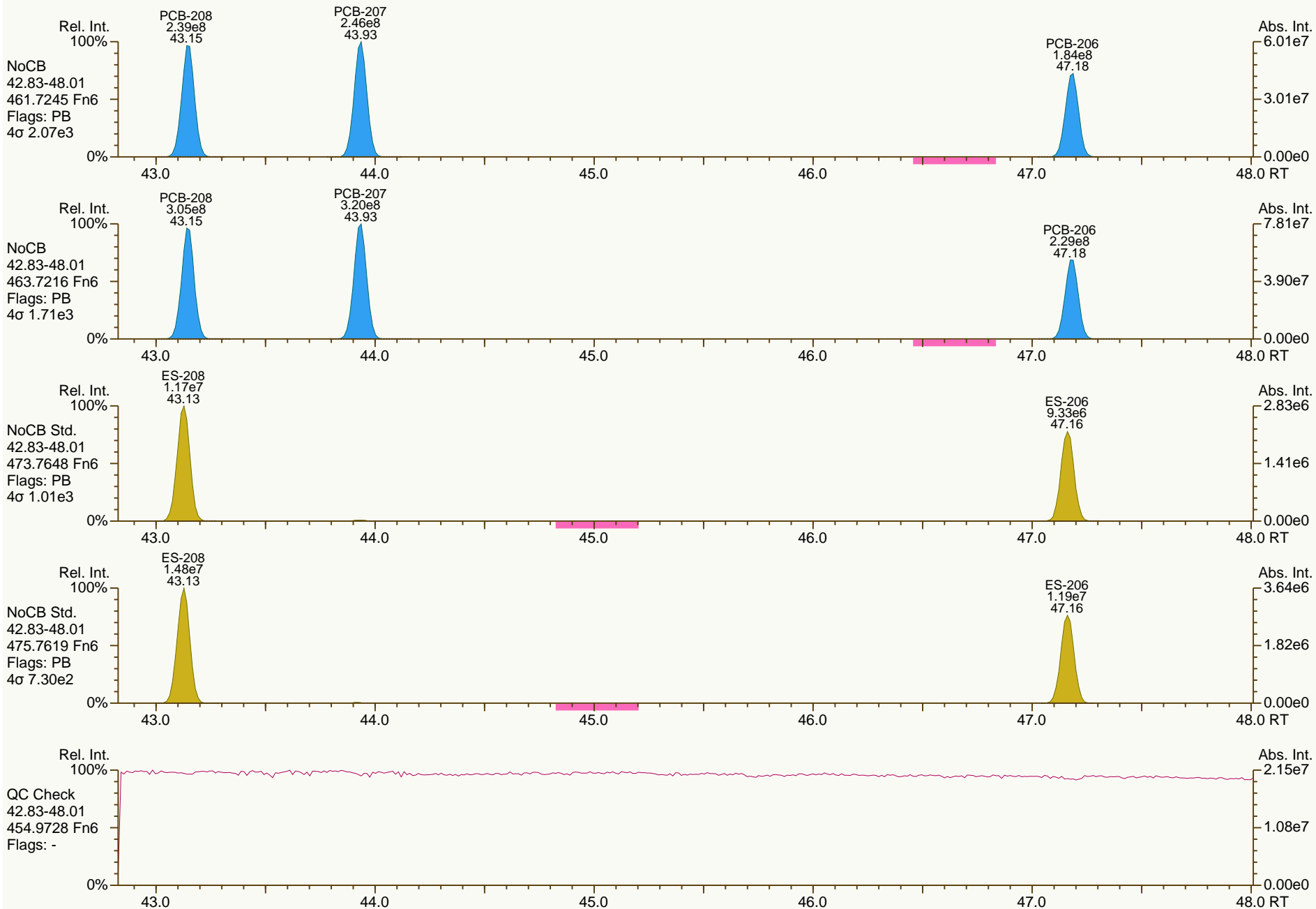
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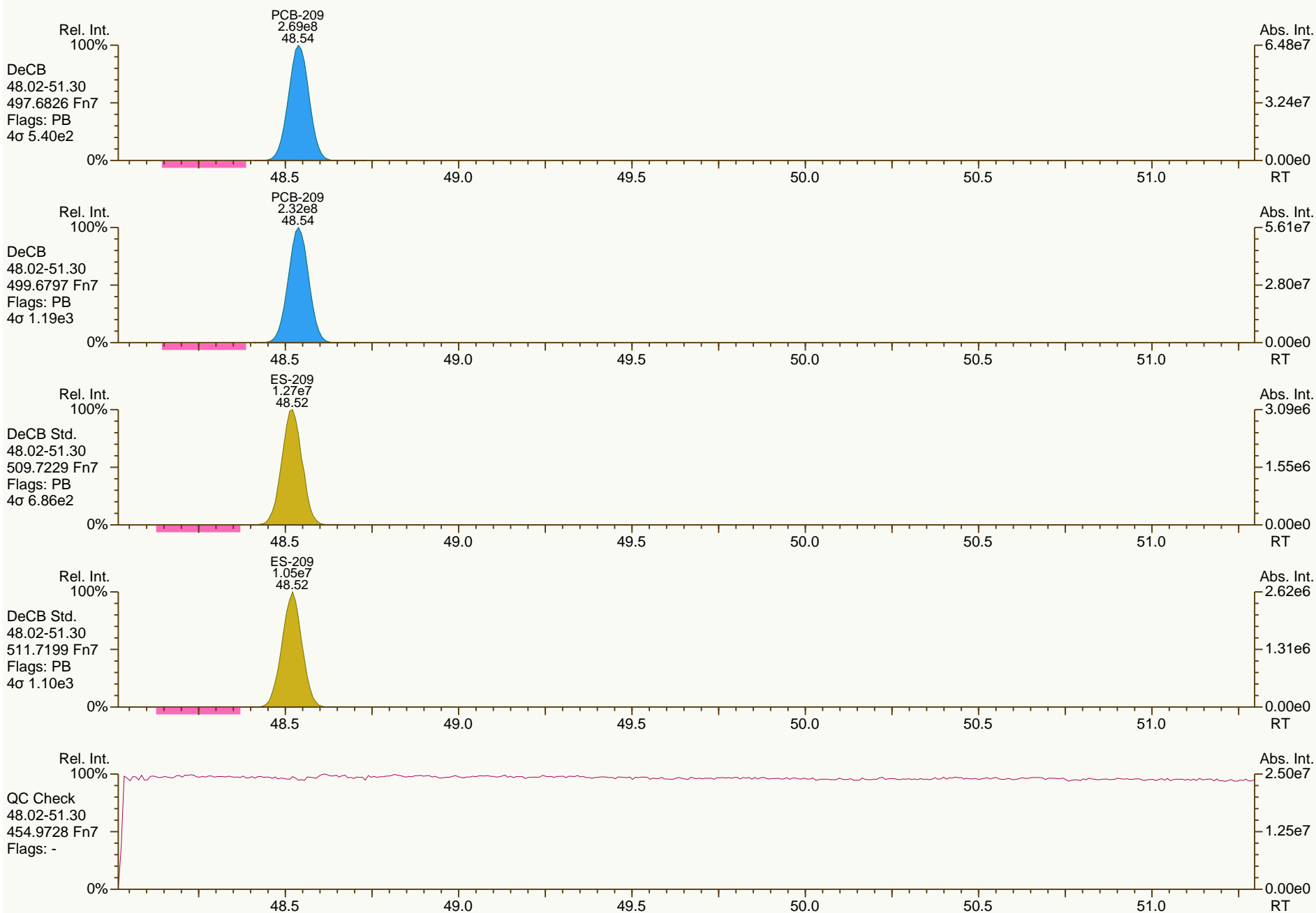
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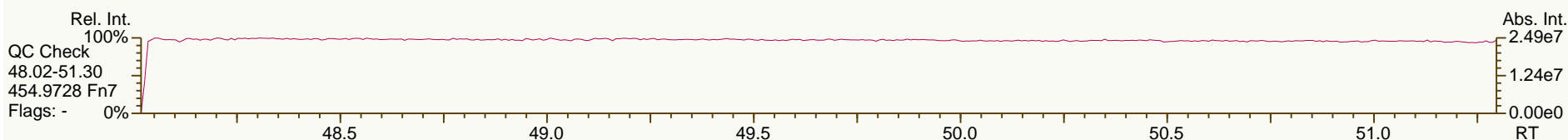
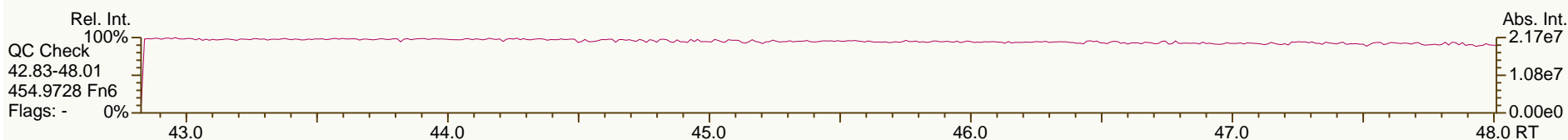
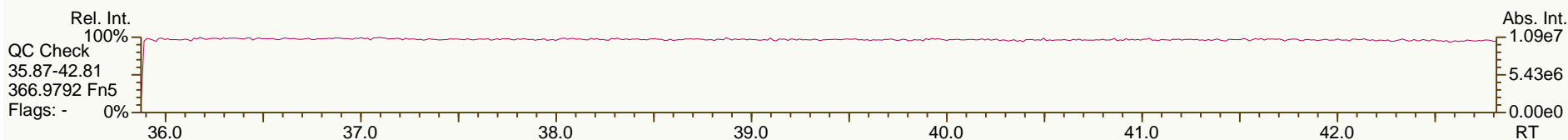
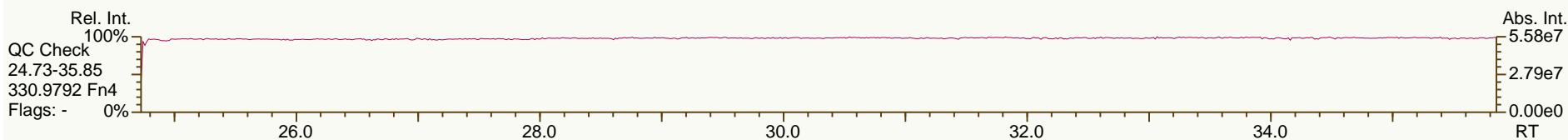
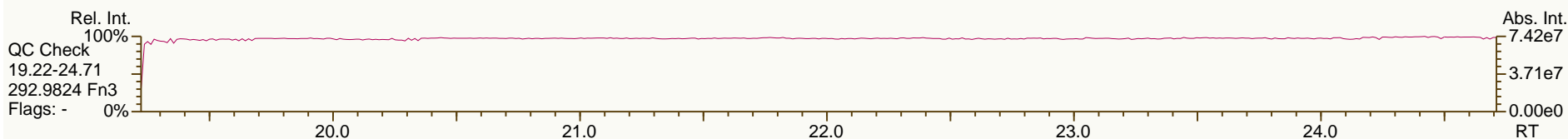
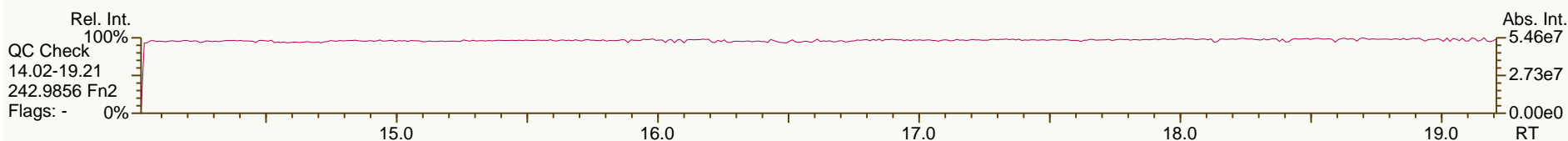
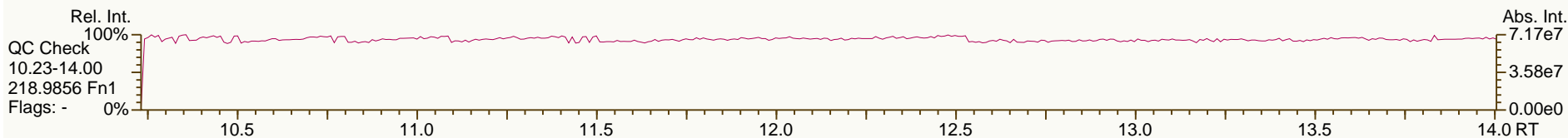
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AP Lab ID: SBS_120126_PCB_SB
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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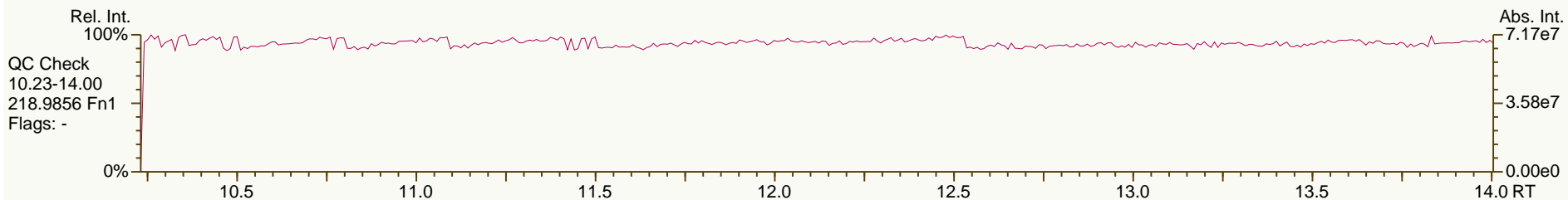
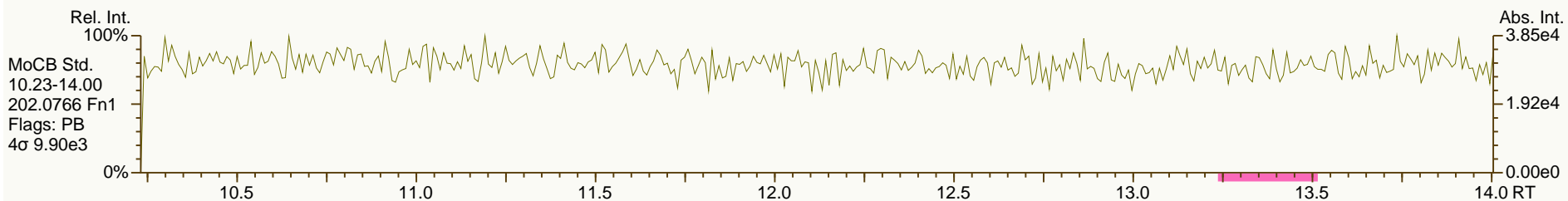
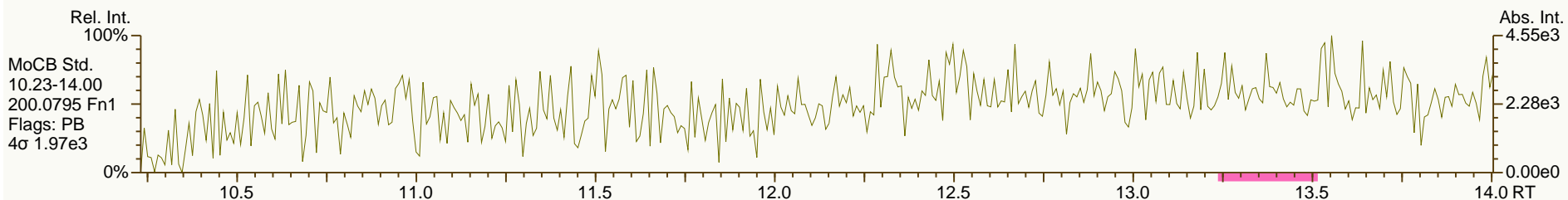
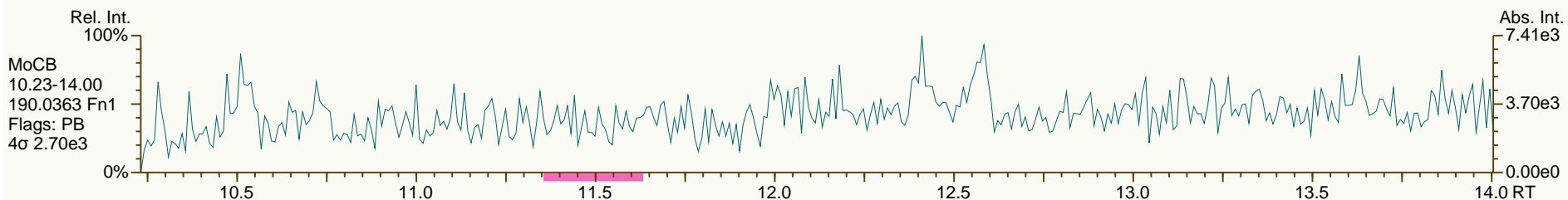
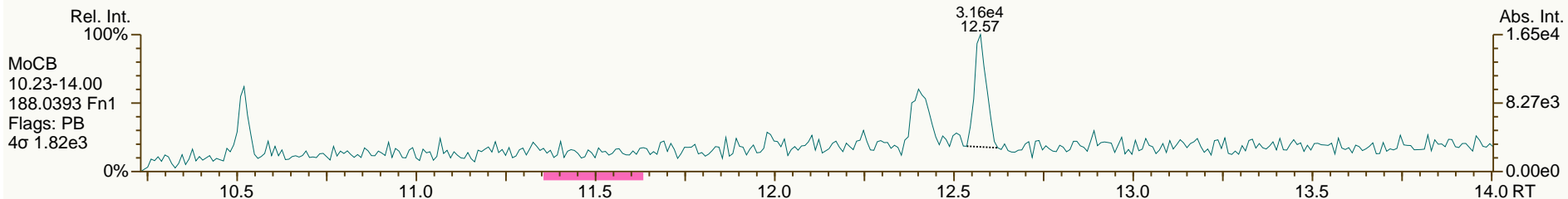
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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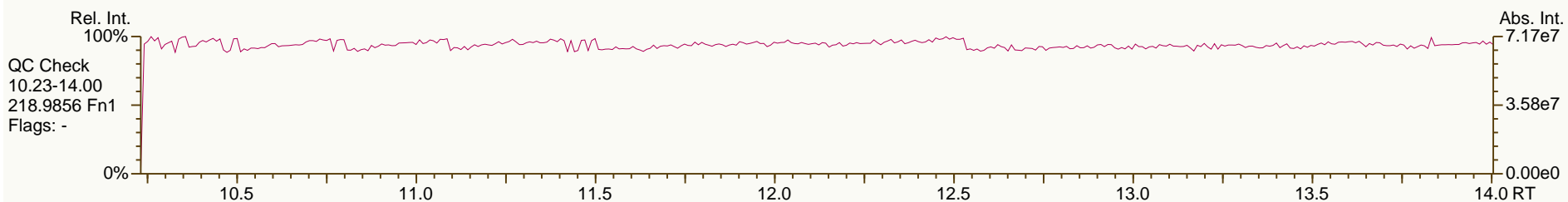
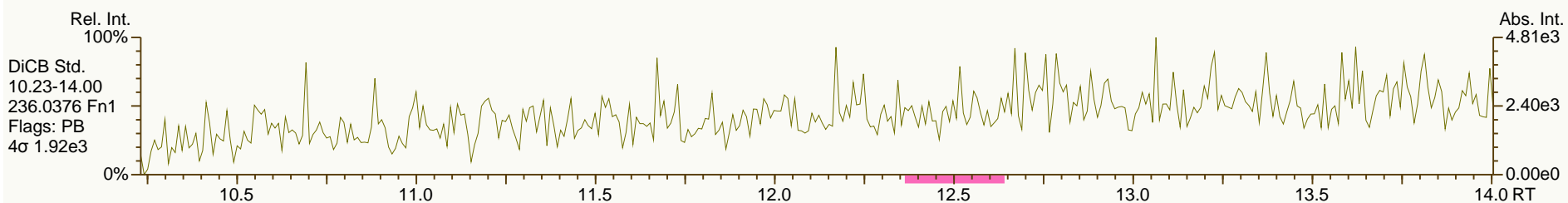
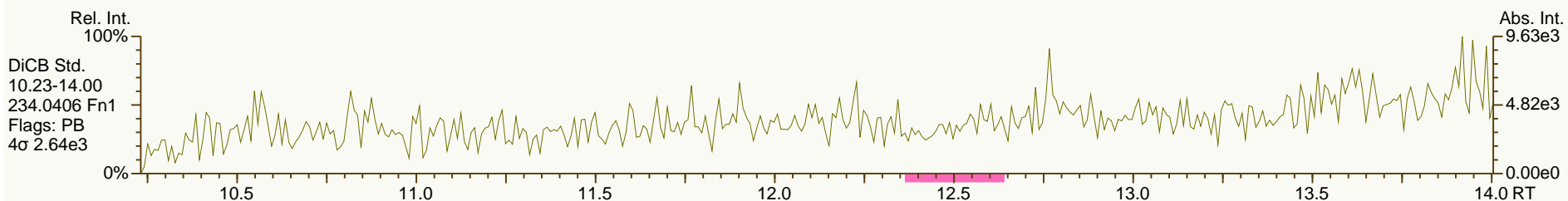
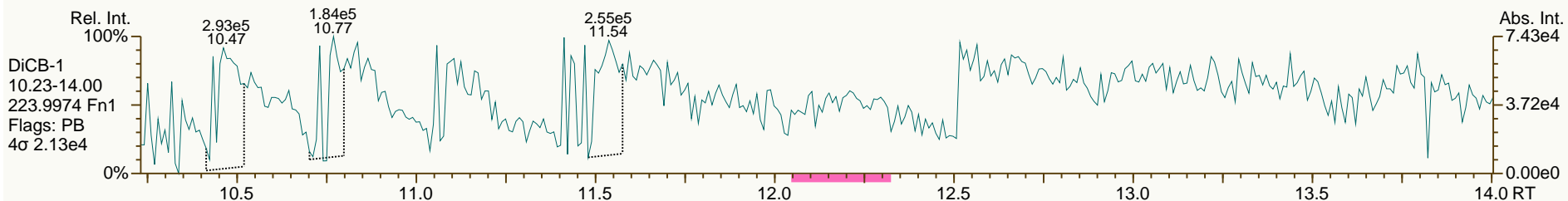
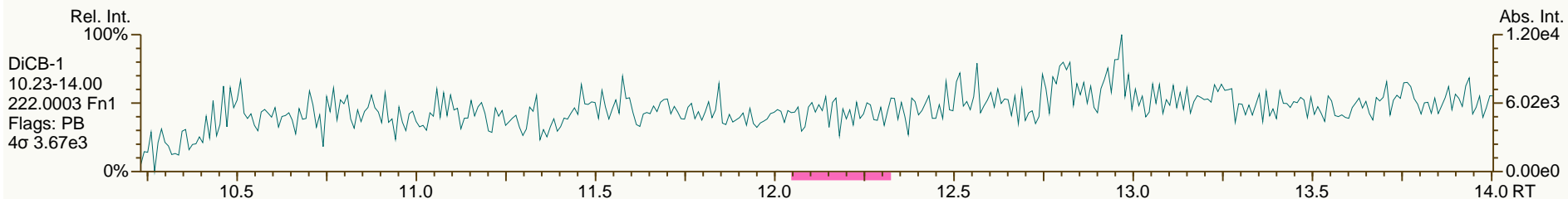
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

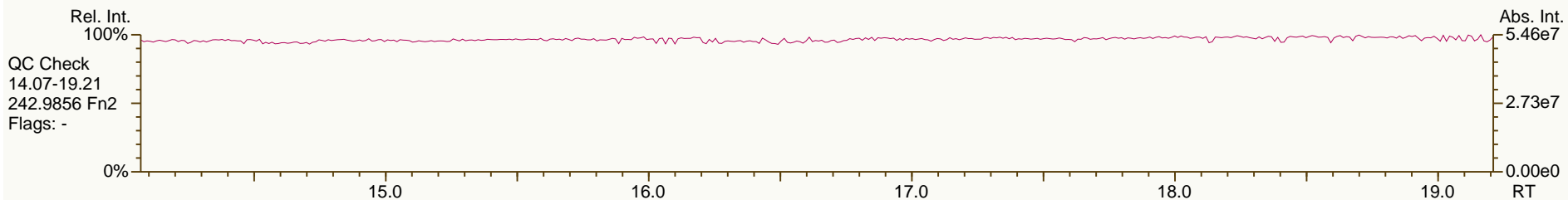
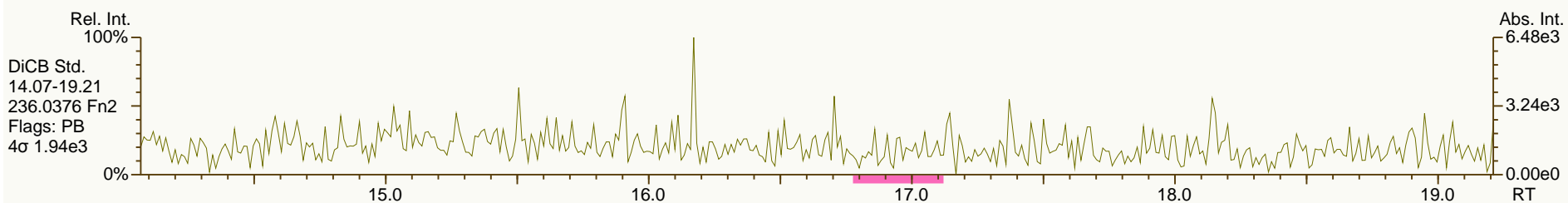
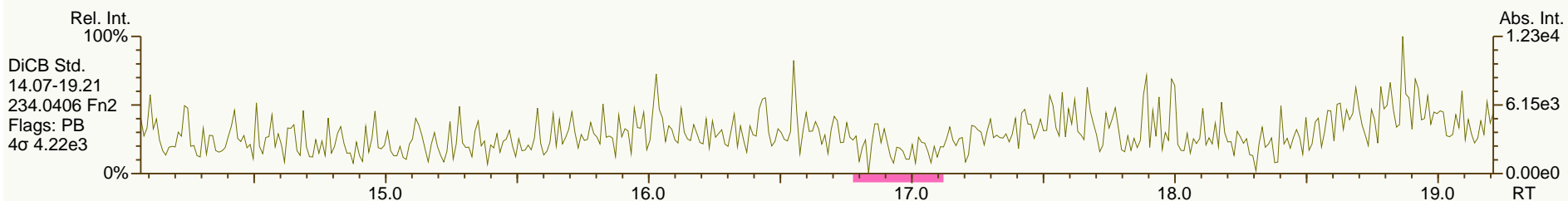
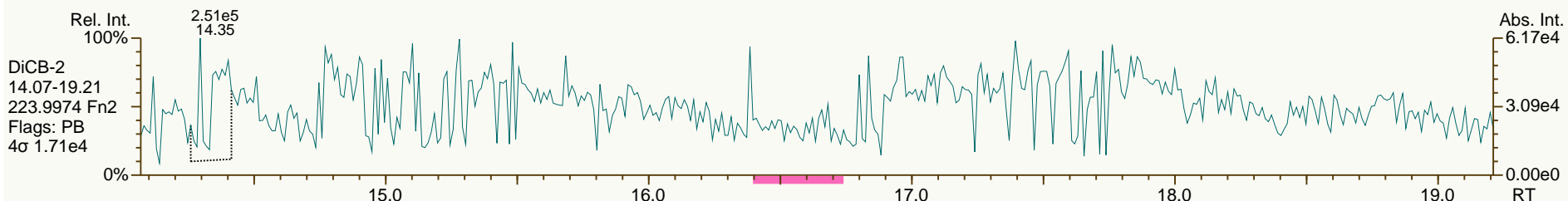
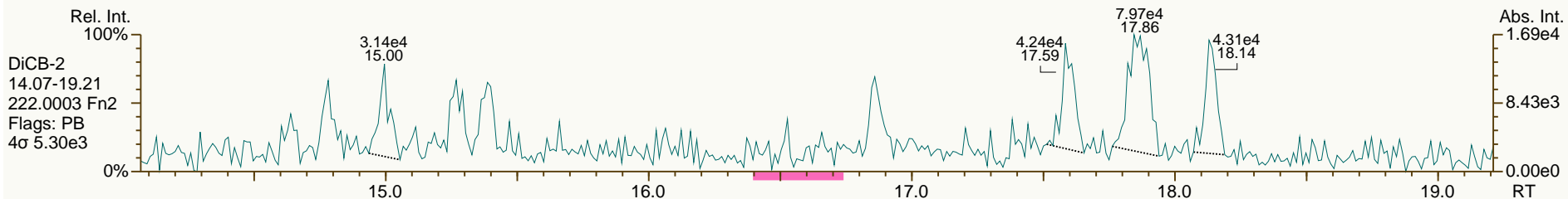
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AP Lab ID: SBS_120126_PCB_SB
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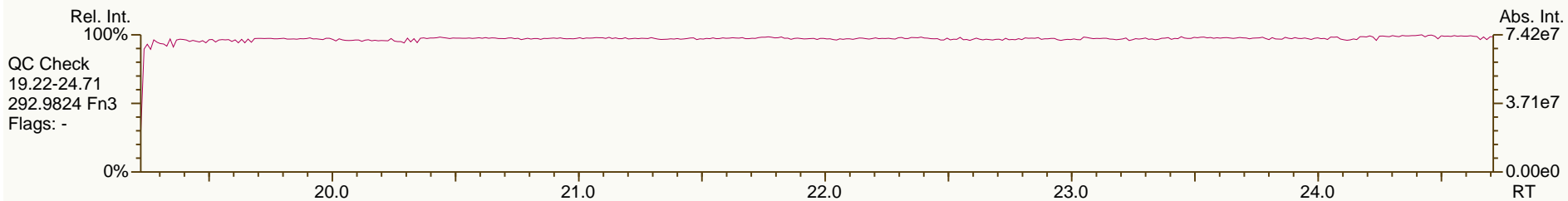
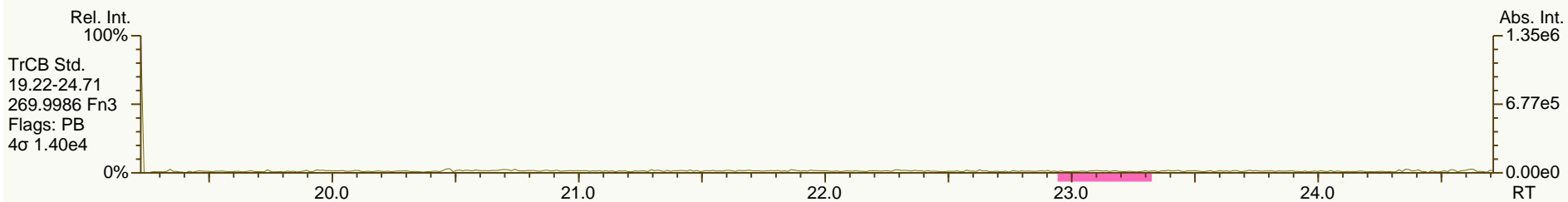
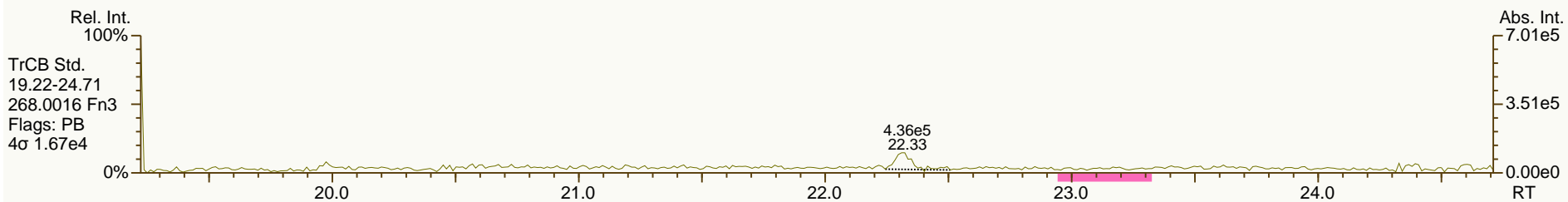
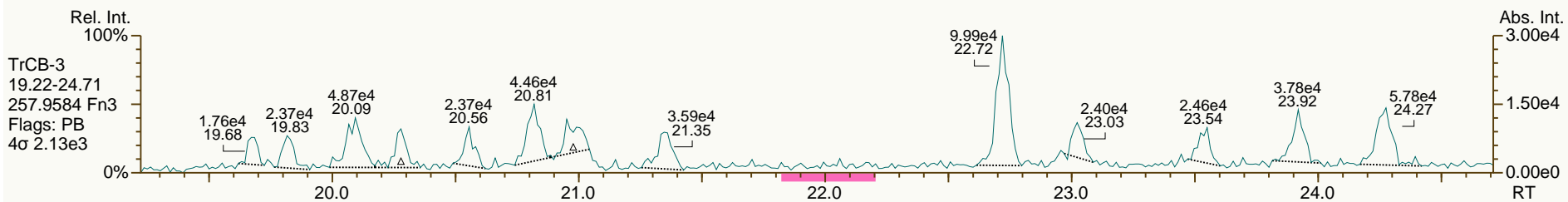
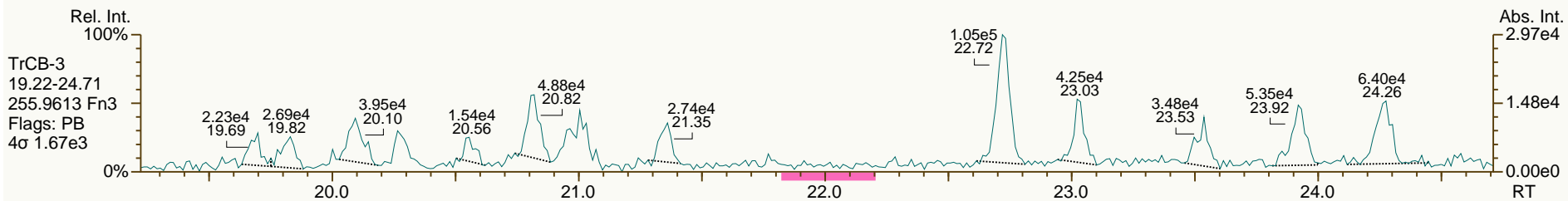
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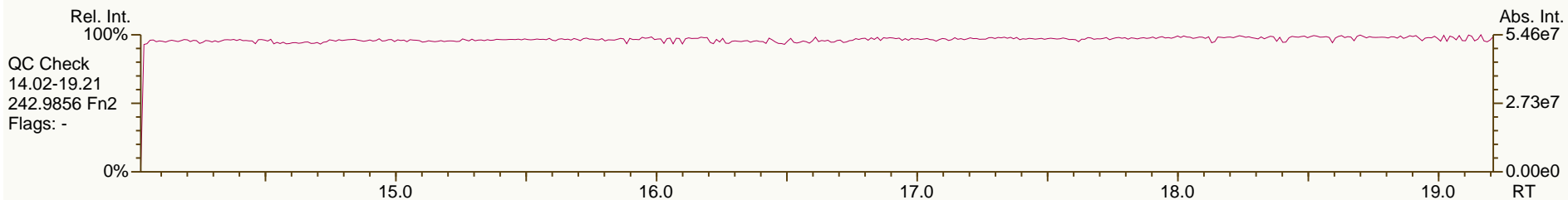
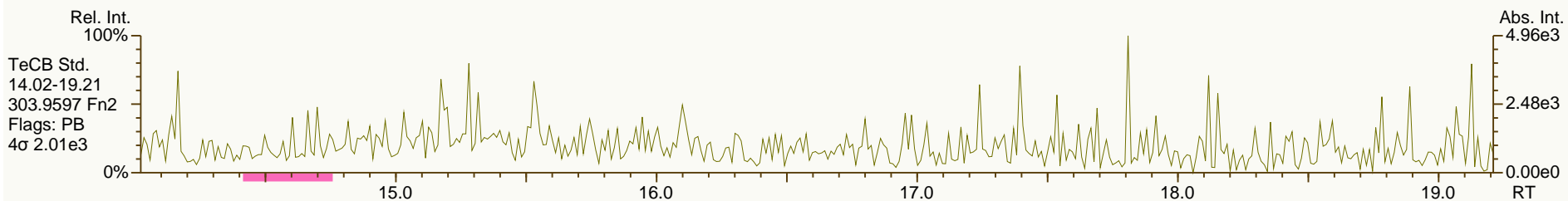
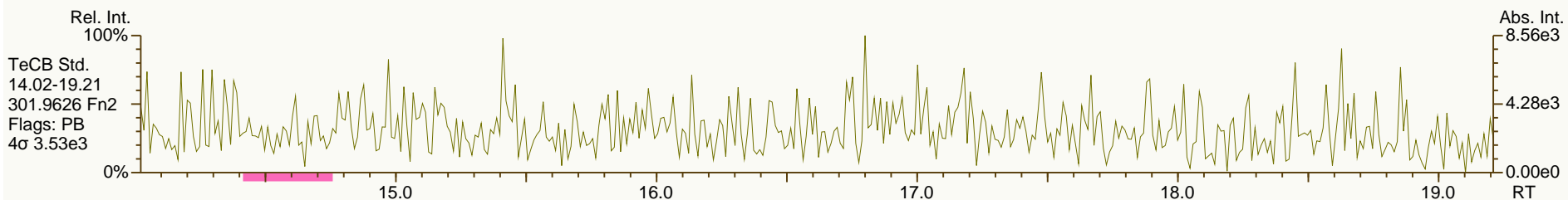
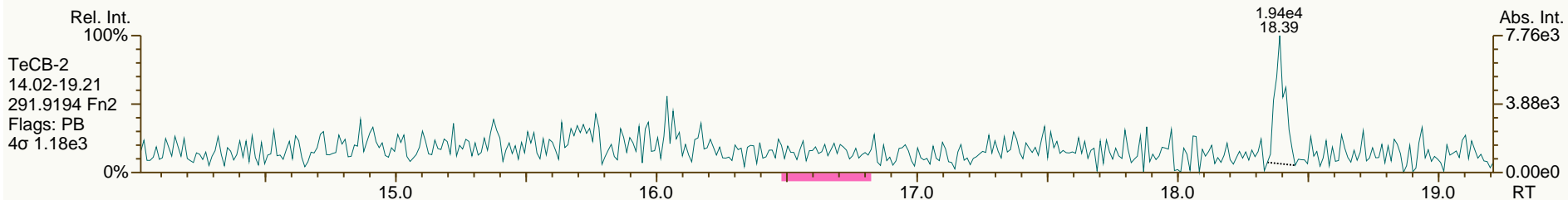
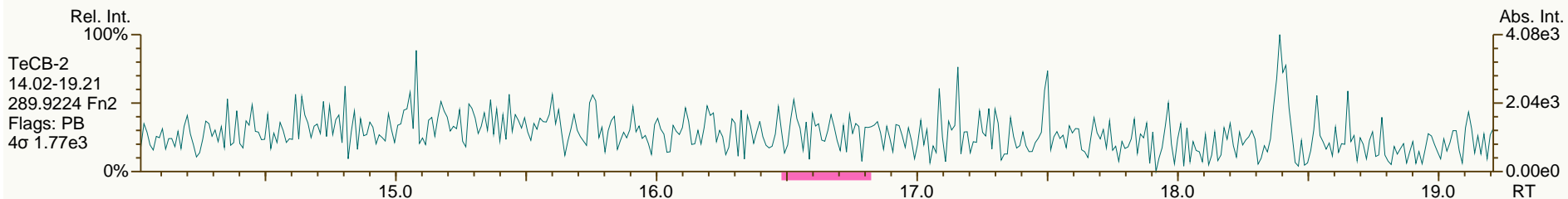
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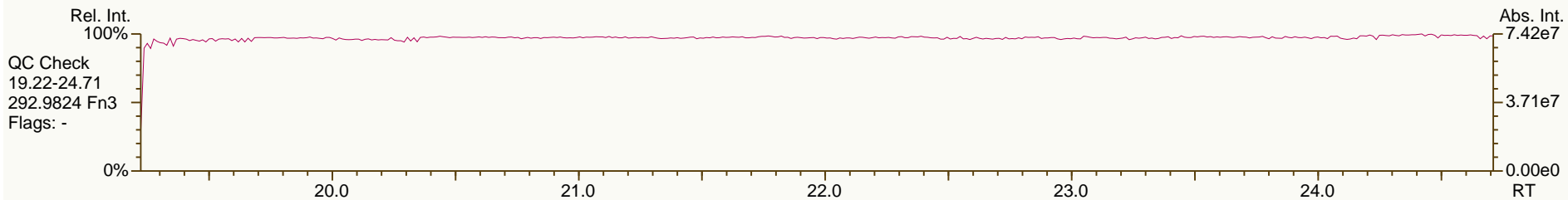
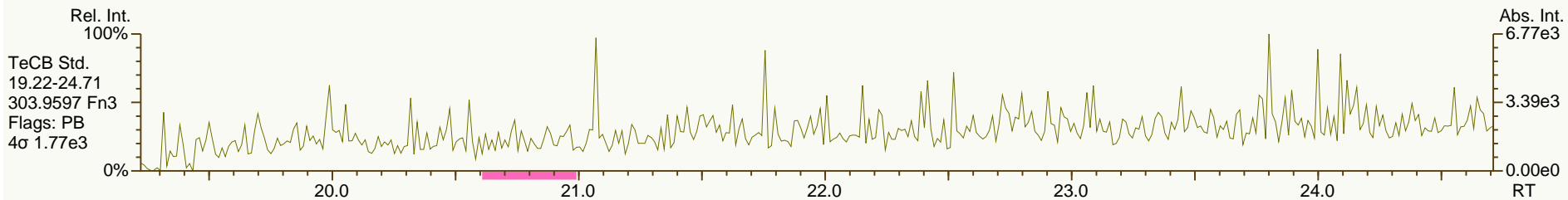
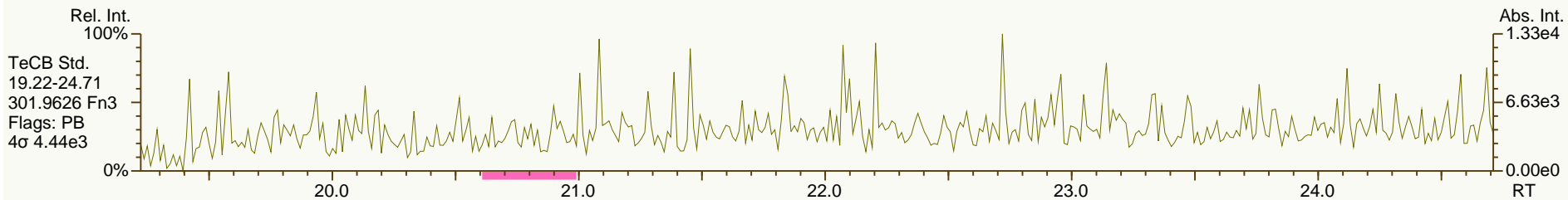
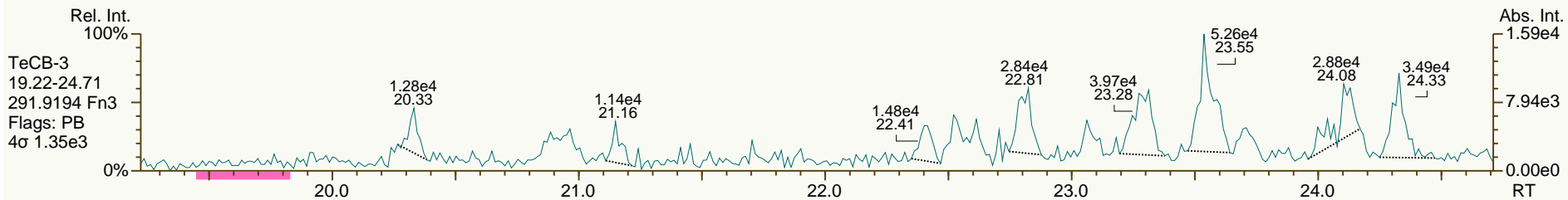
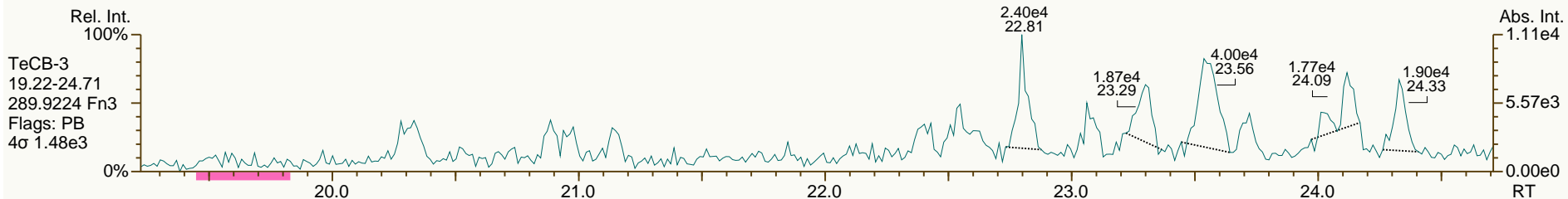
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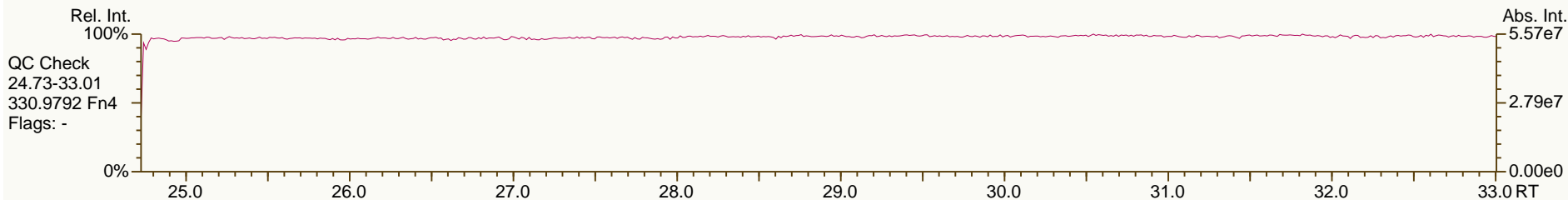
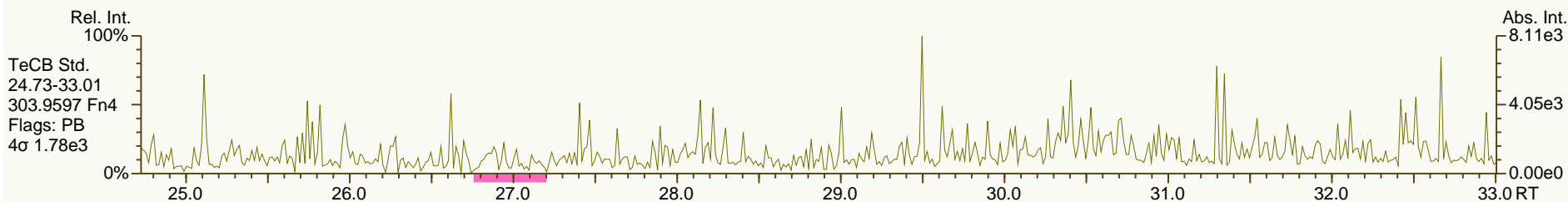
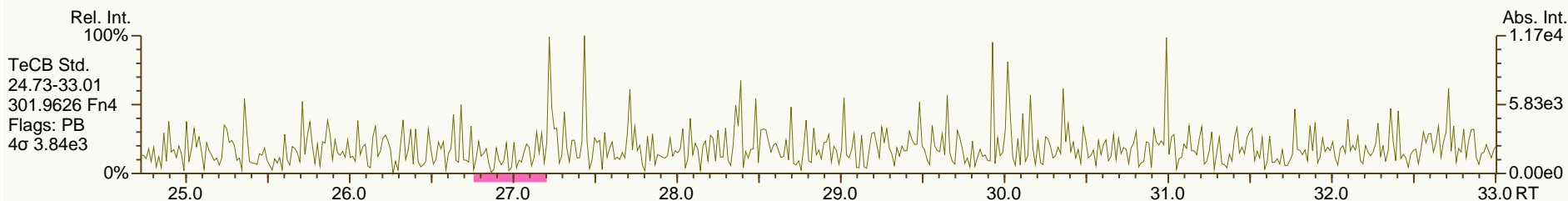
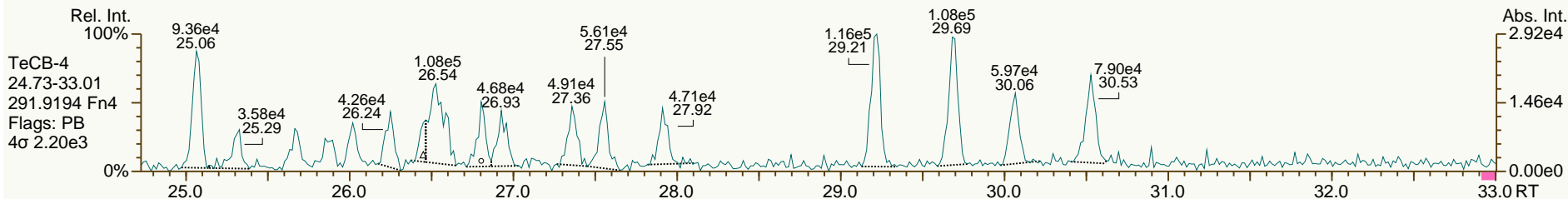
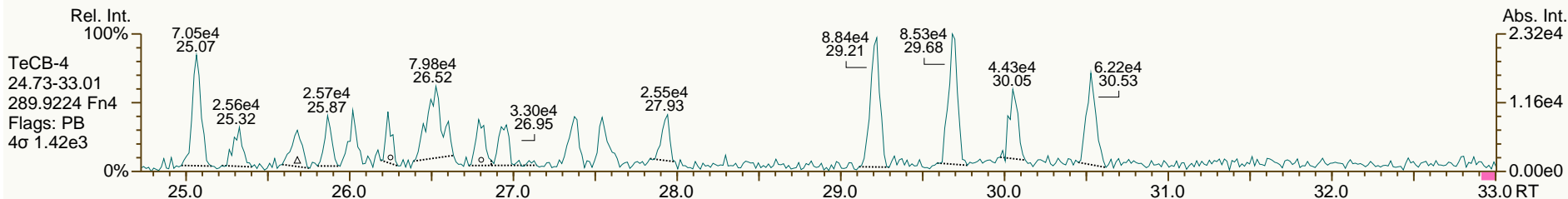
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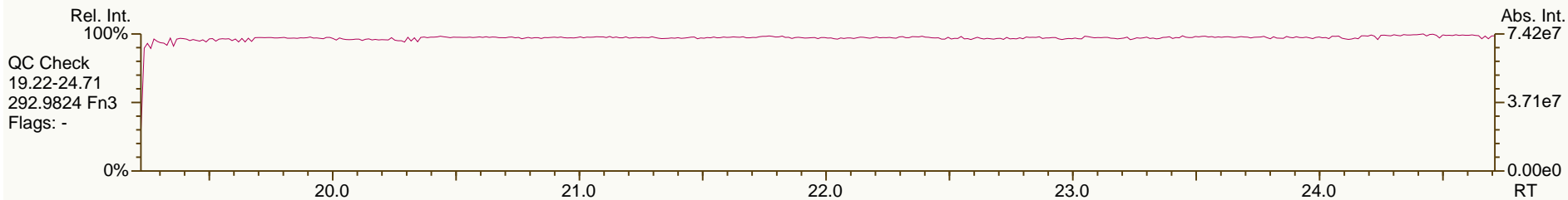
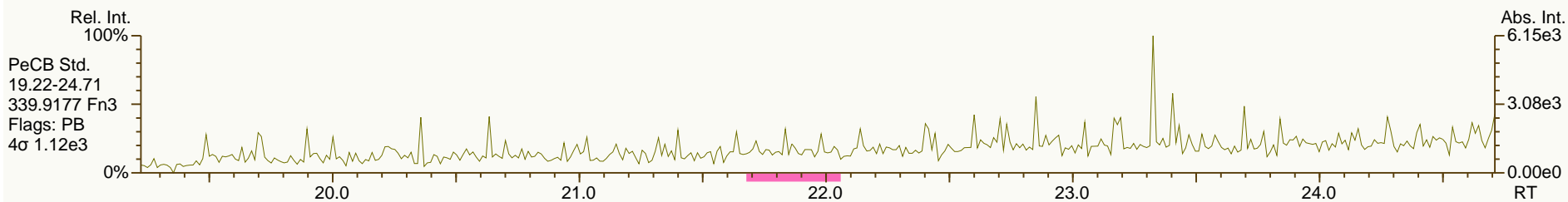
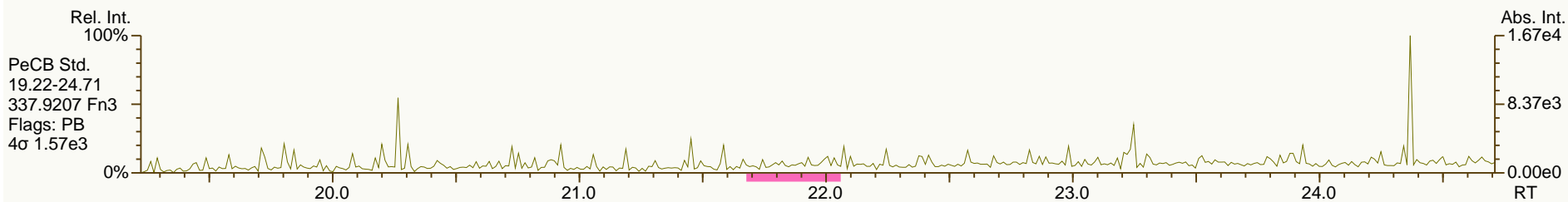
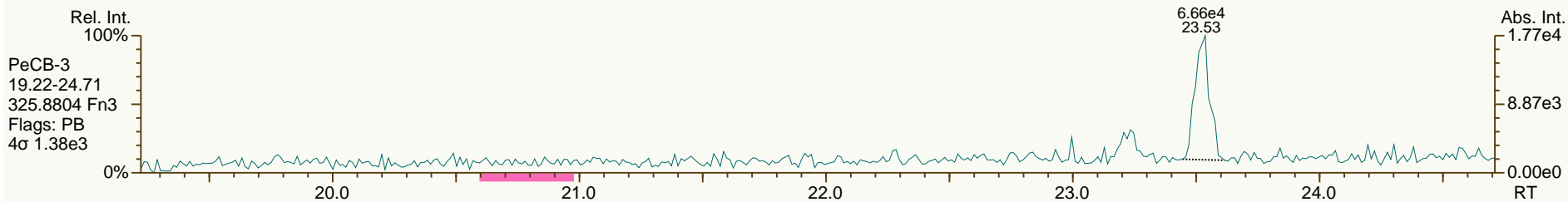
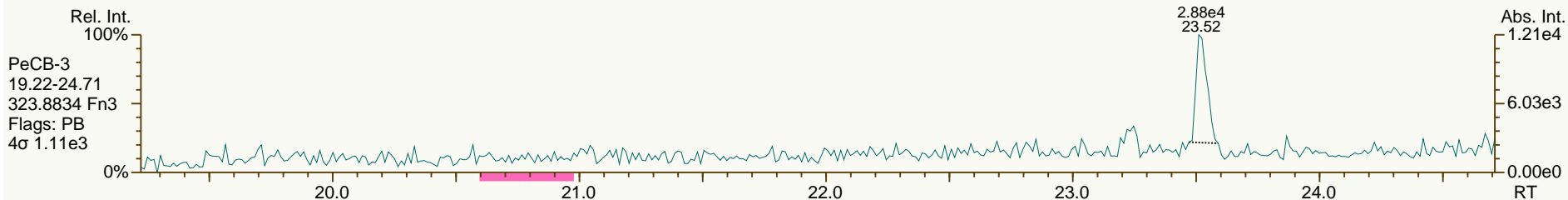
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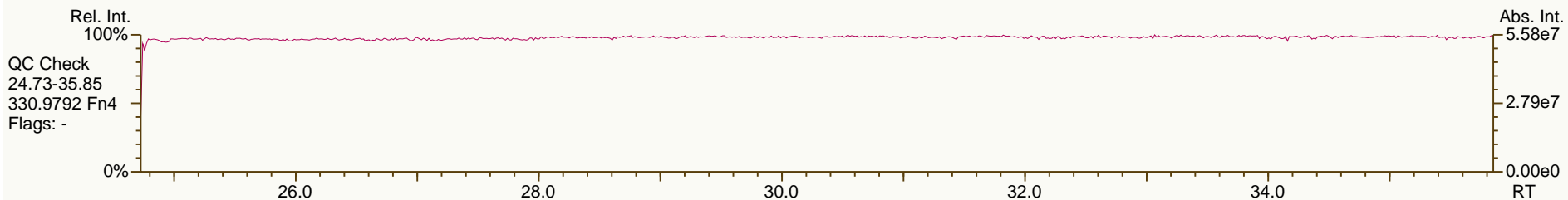
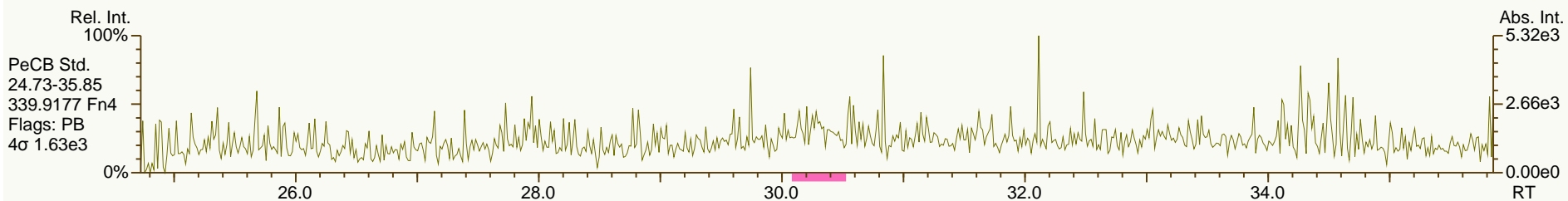
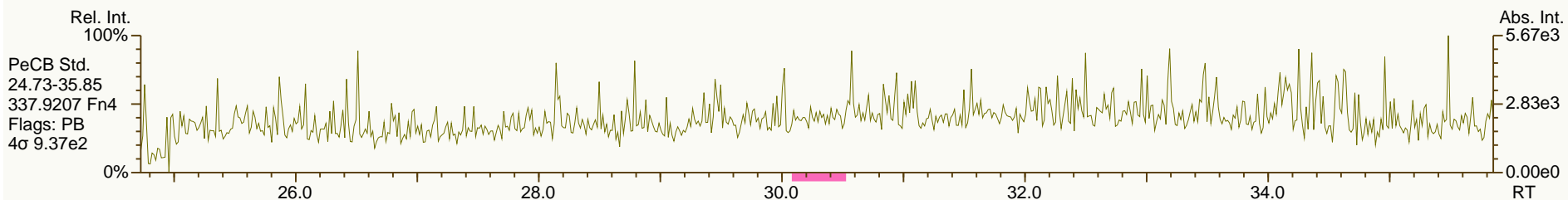
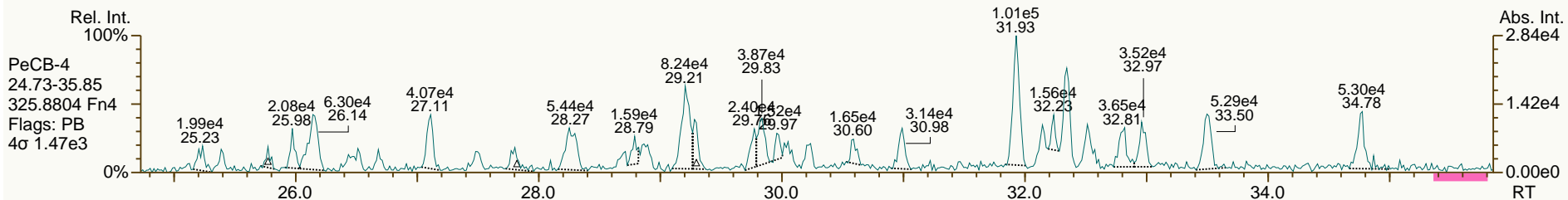
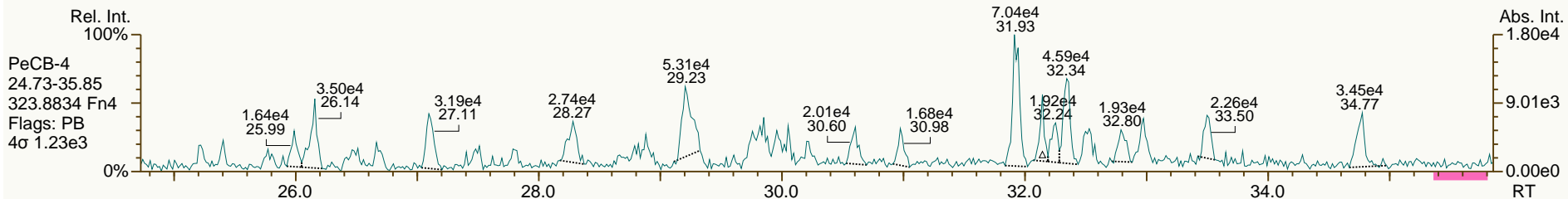
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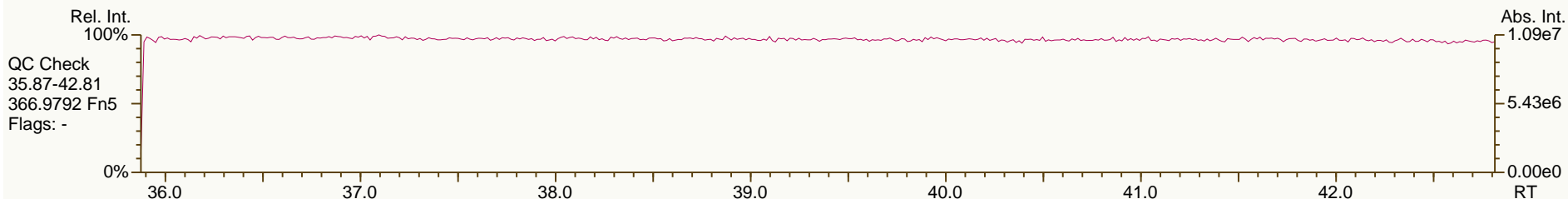
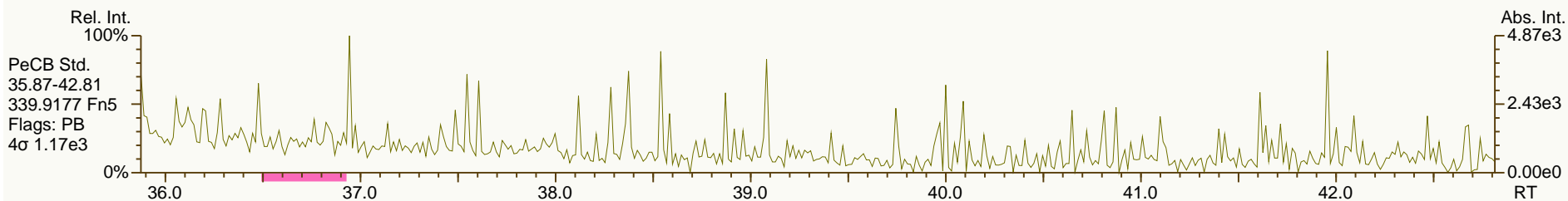
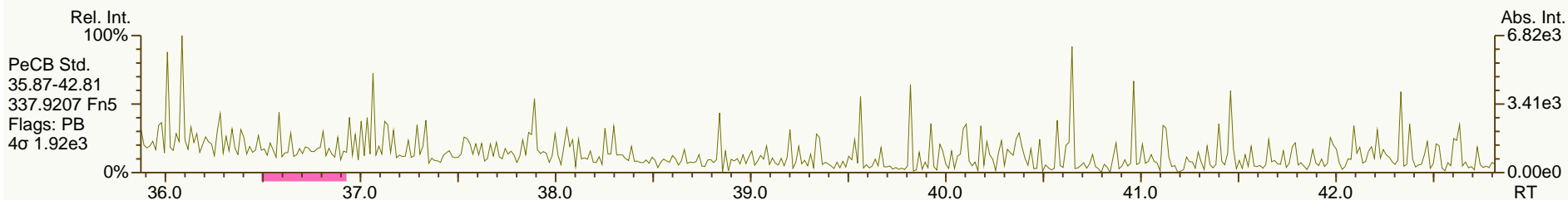
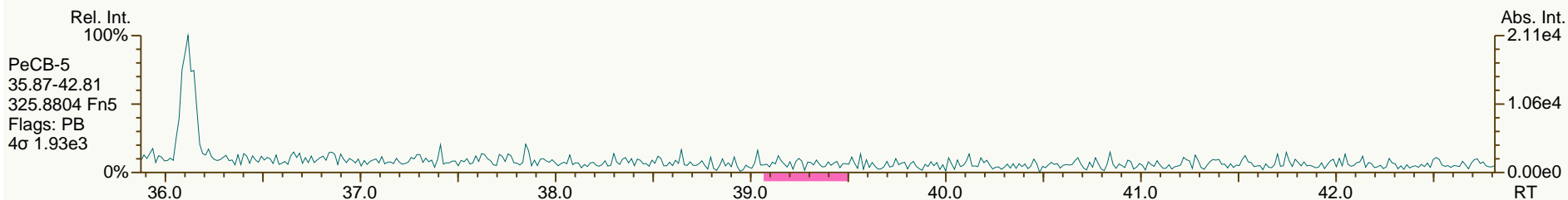
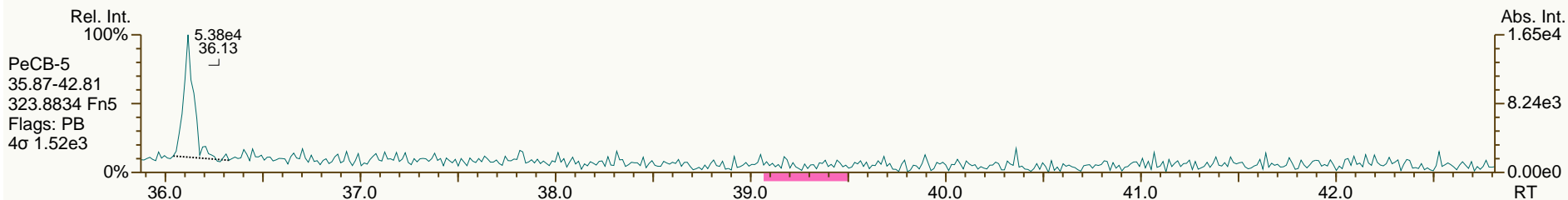
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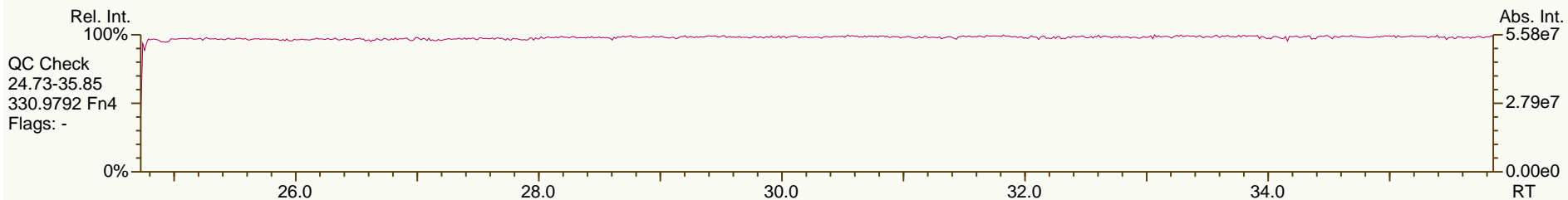
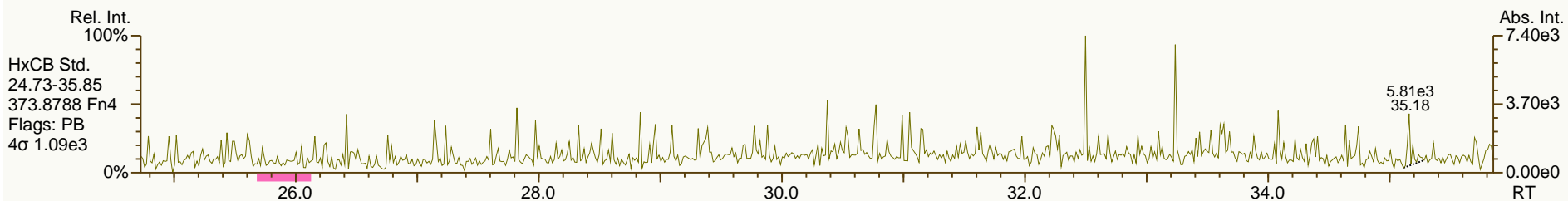
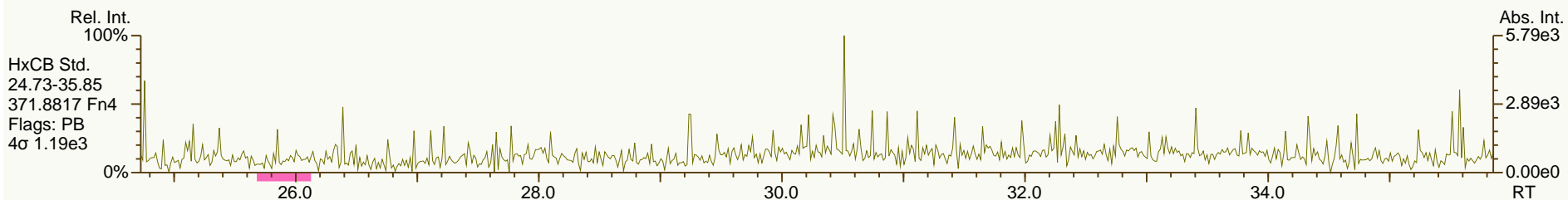
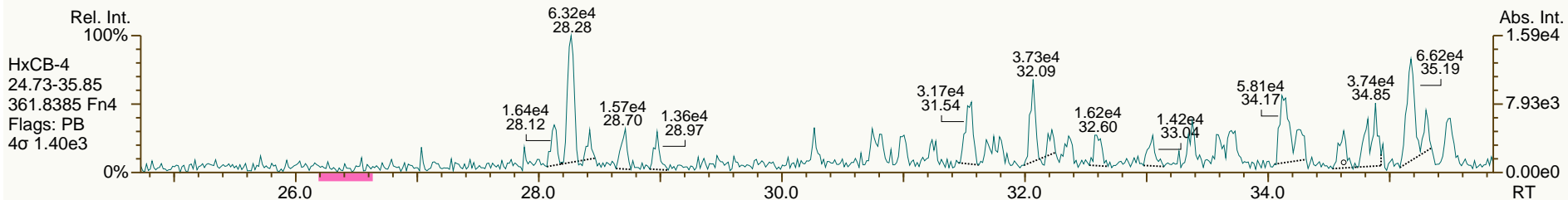
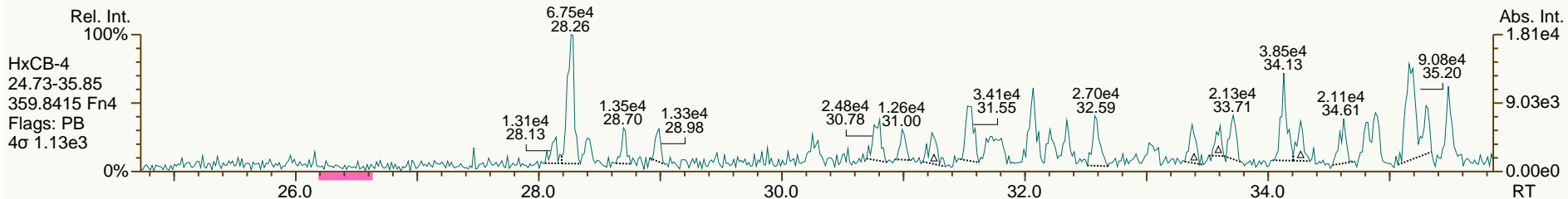
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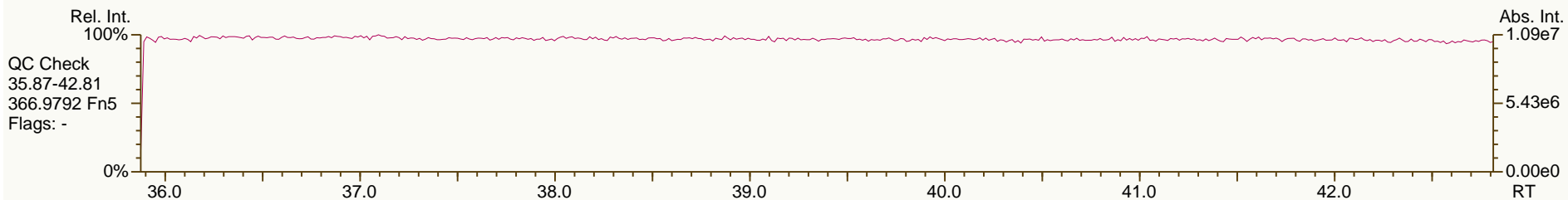
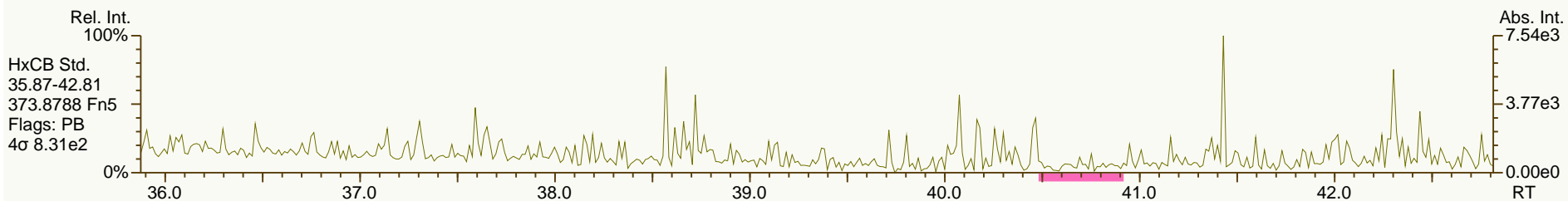
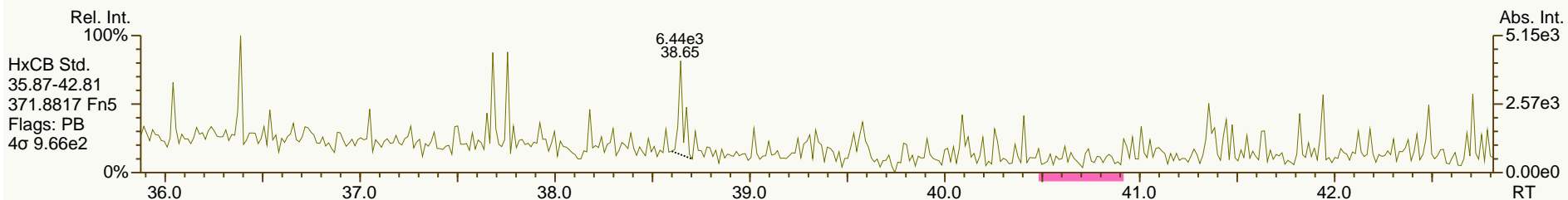
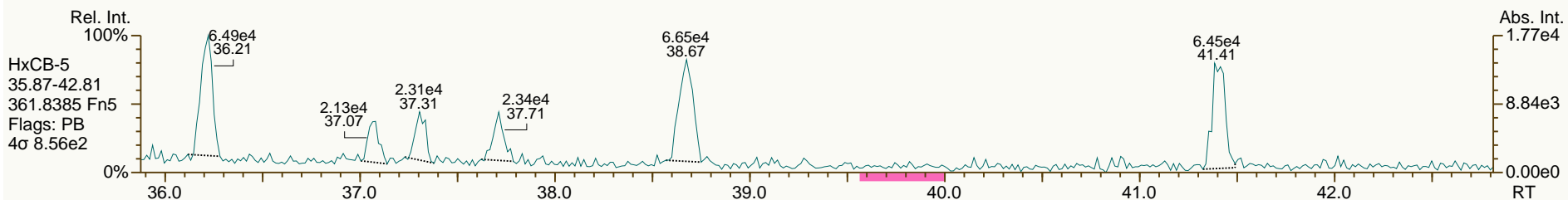
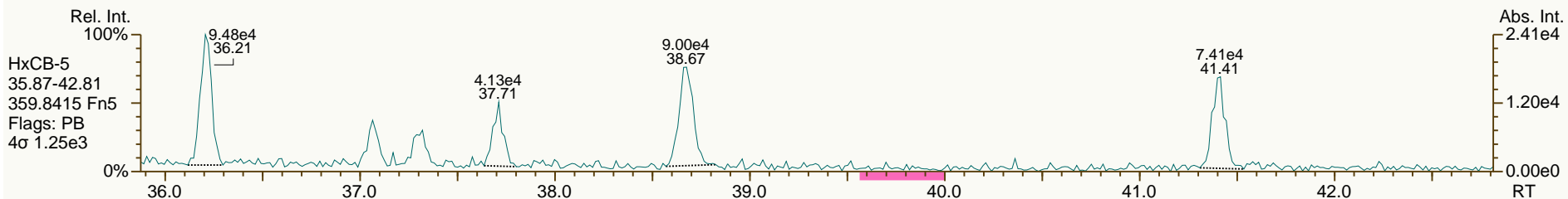
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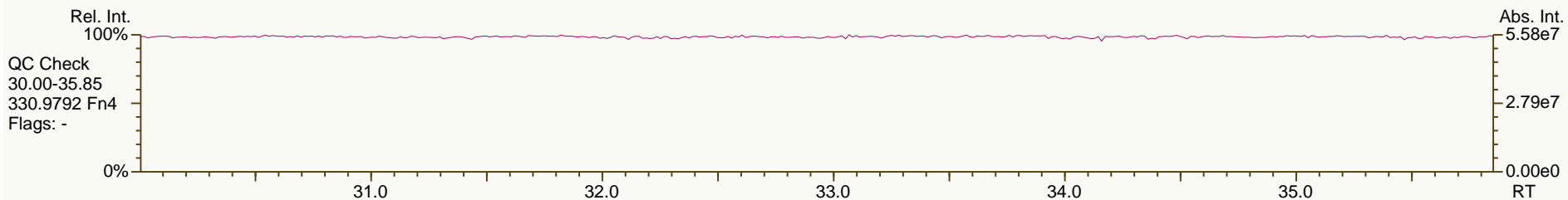
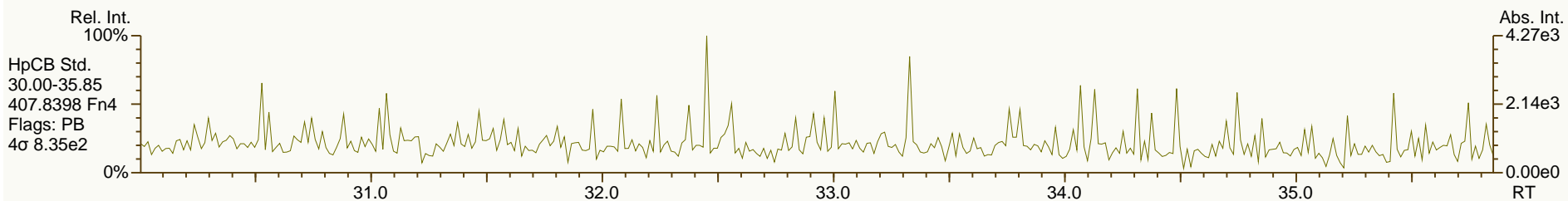
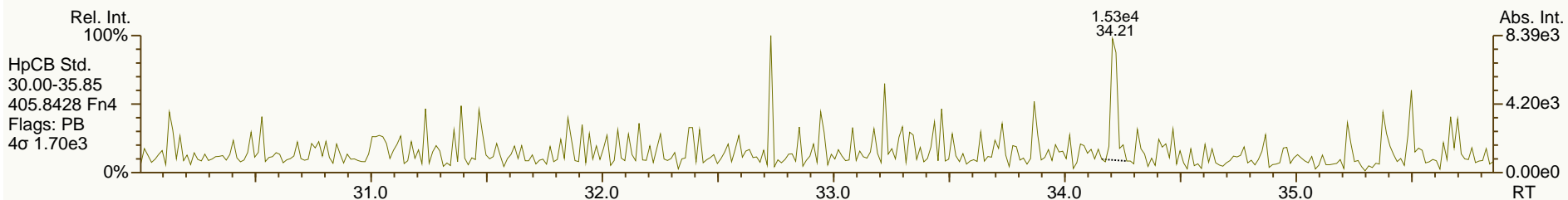
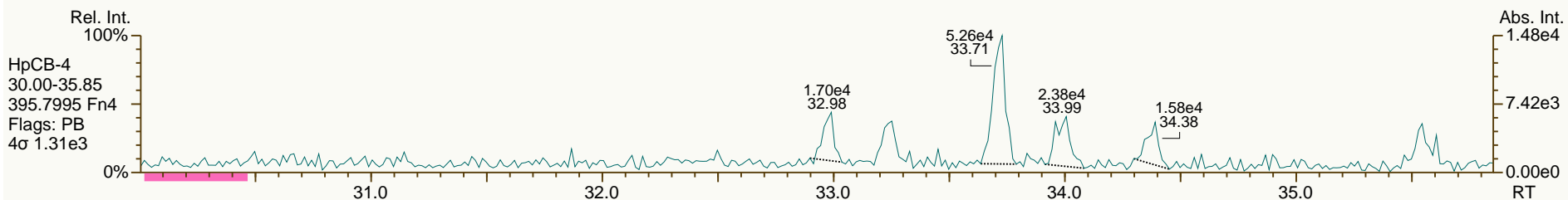
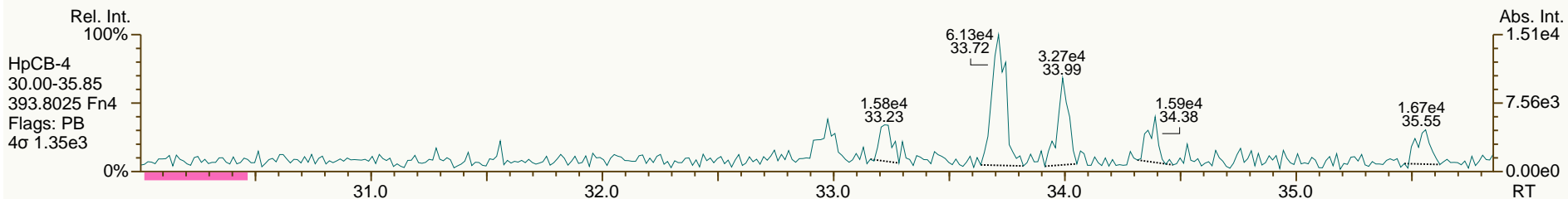
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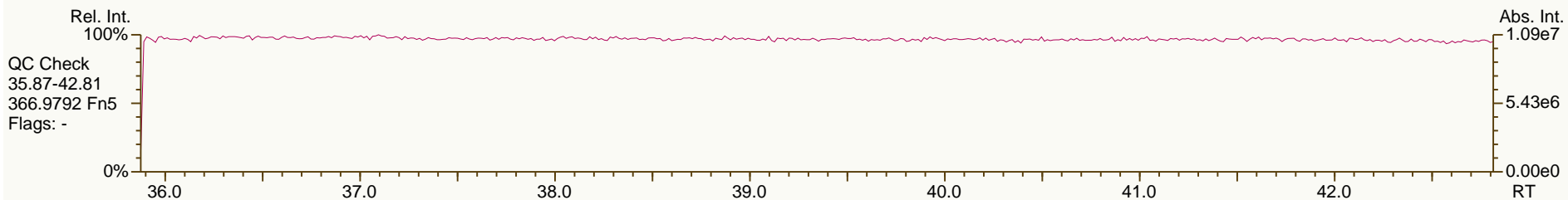
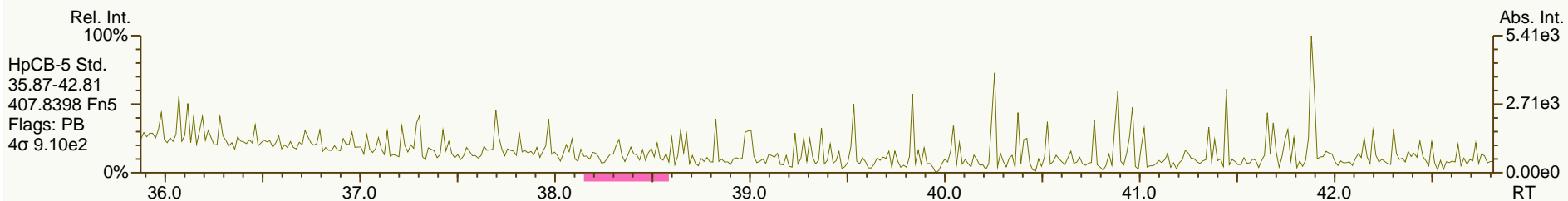
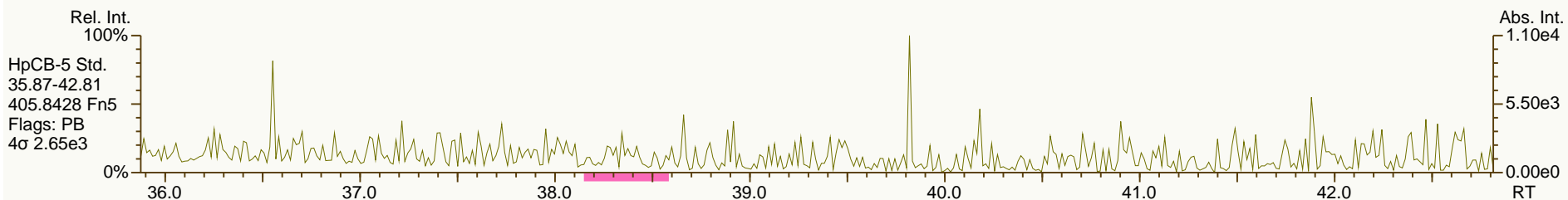
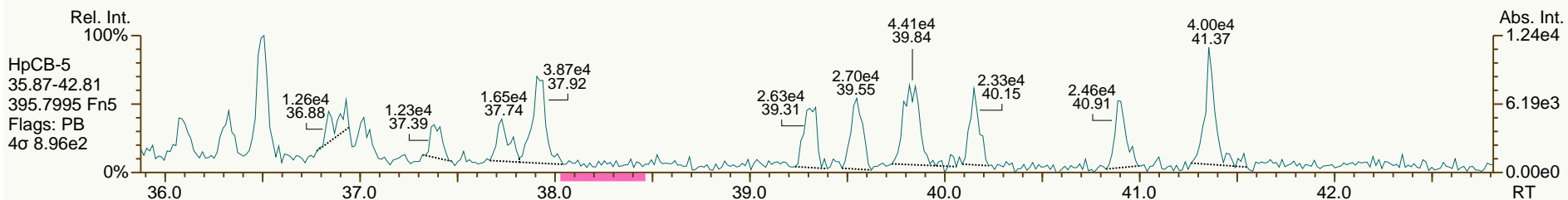
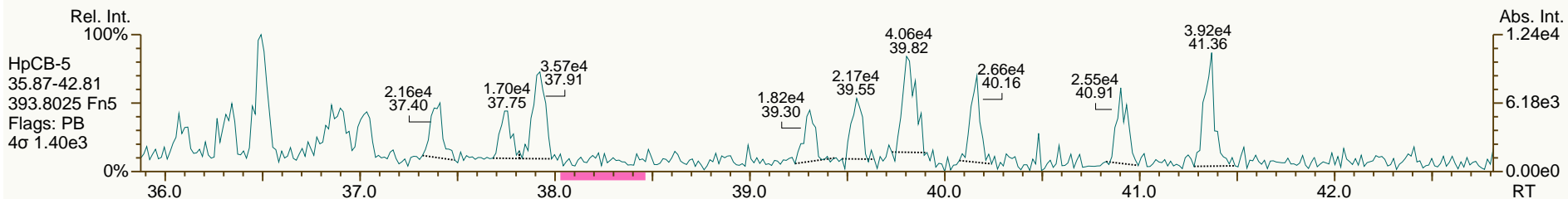
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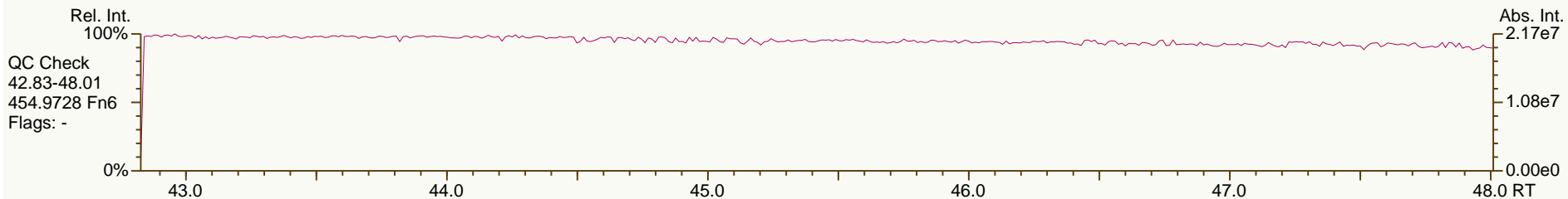
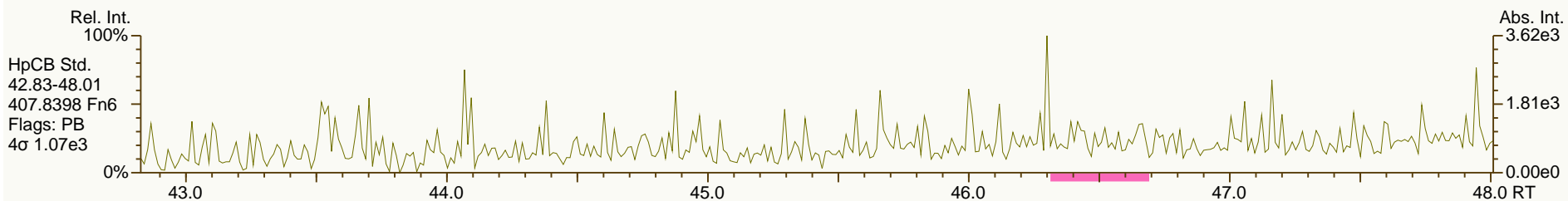
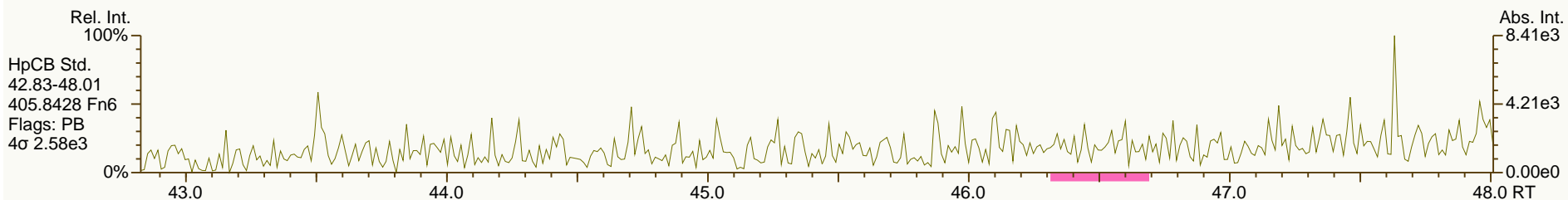
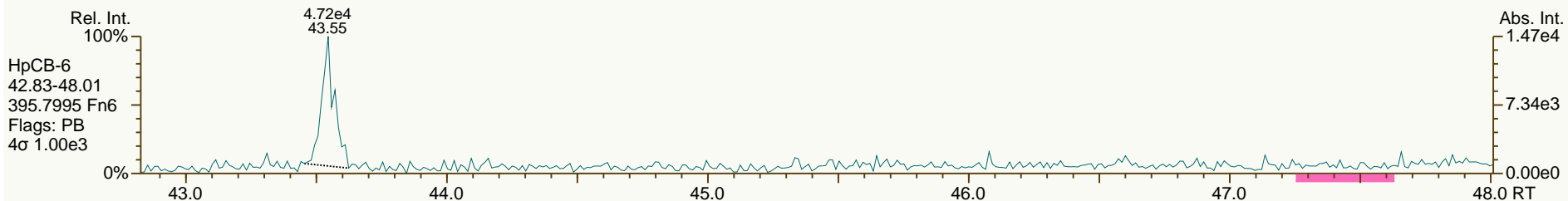
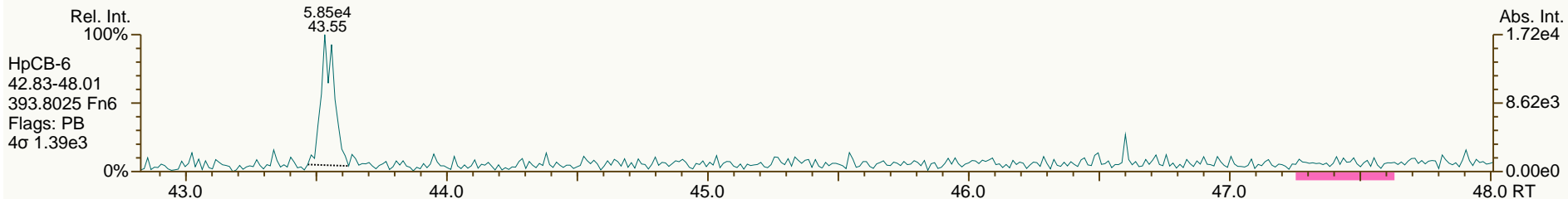
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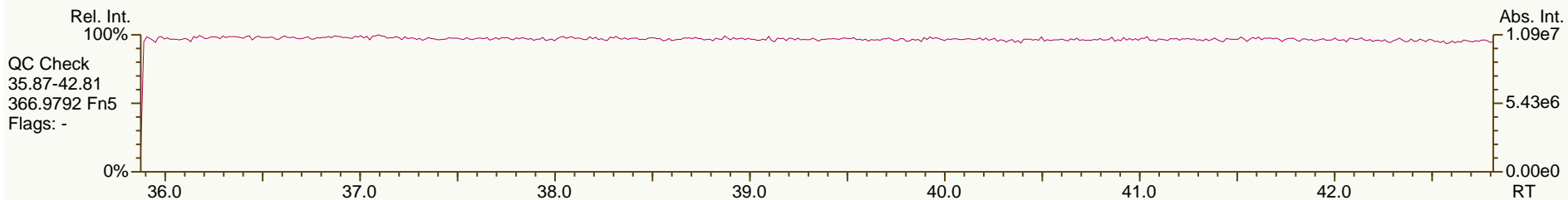
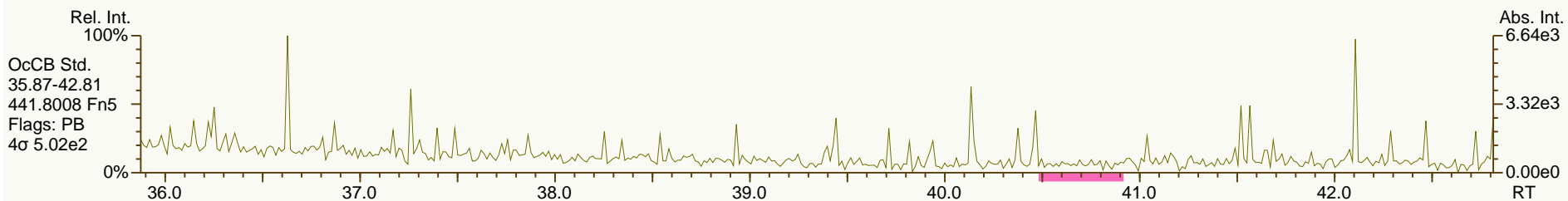
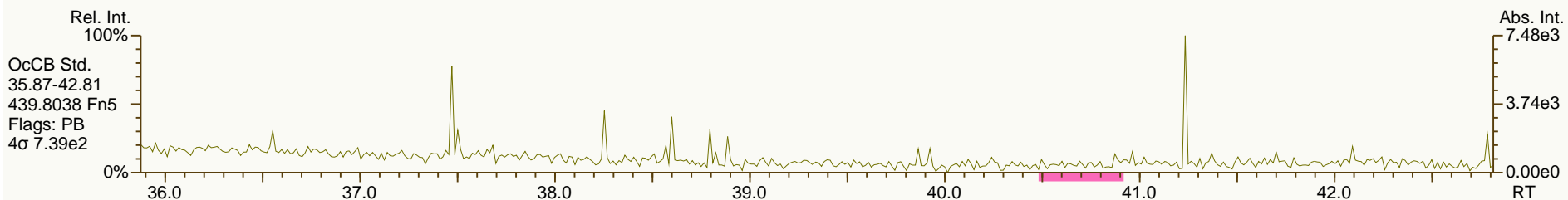
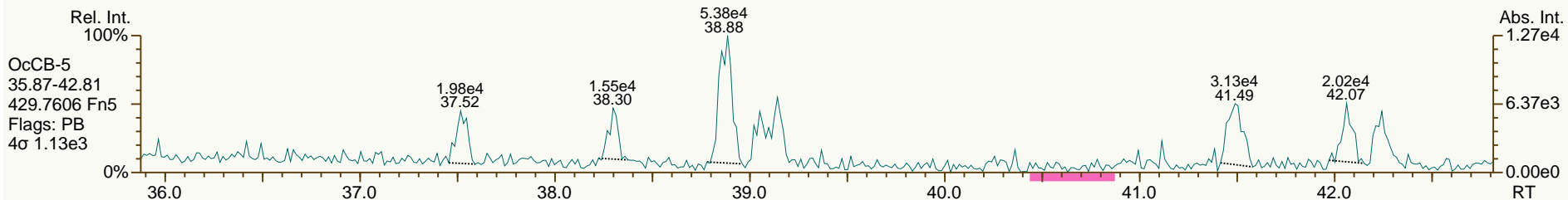
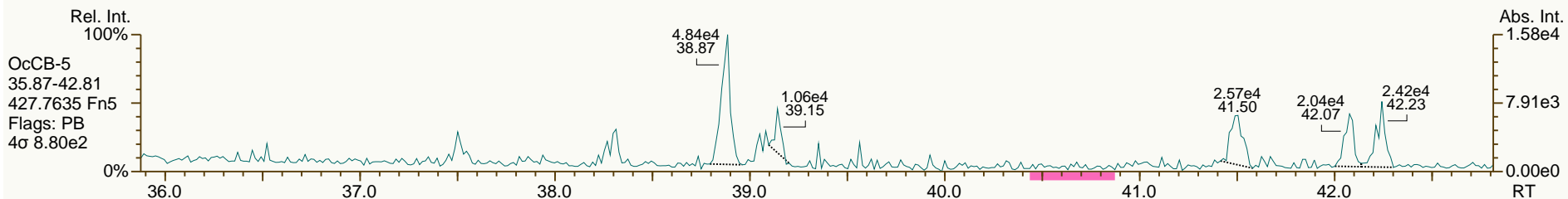
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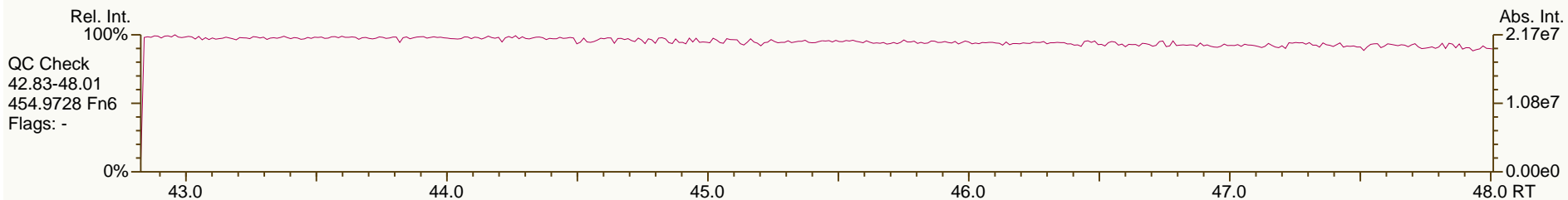
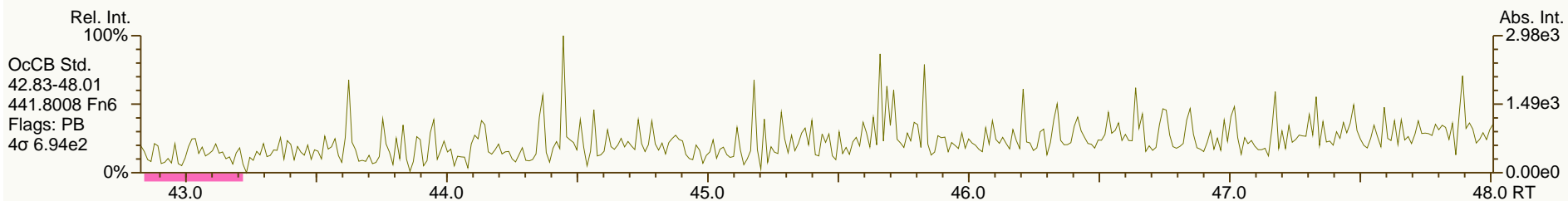
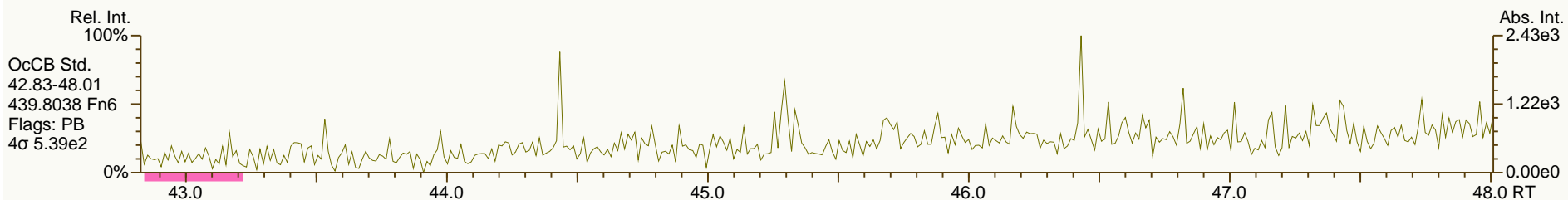
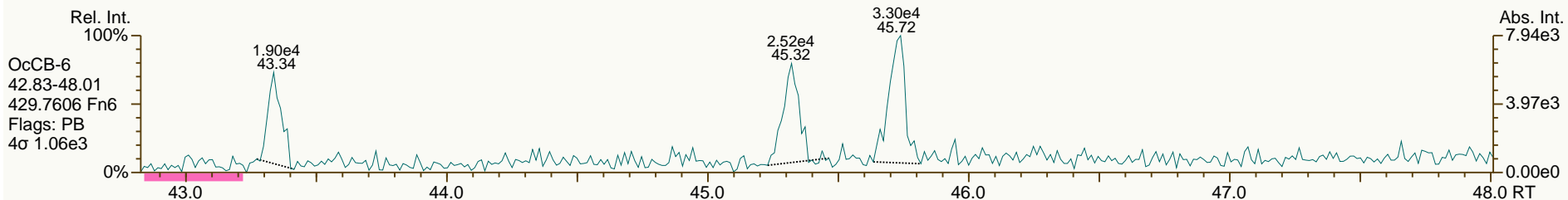
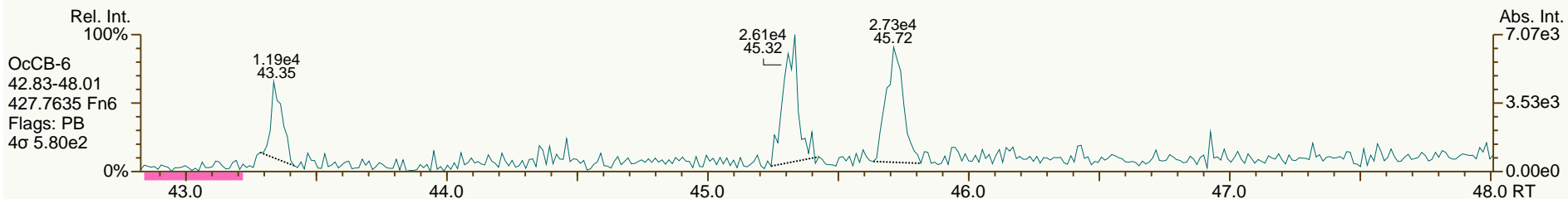
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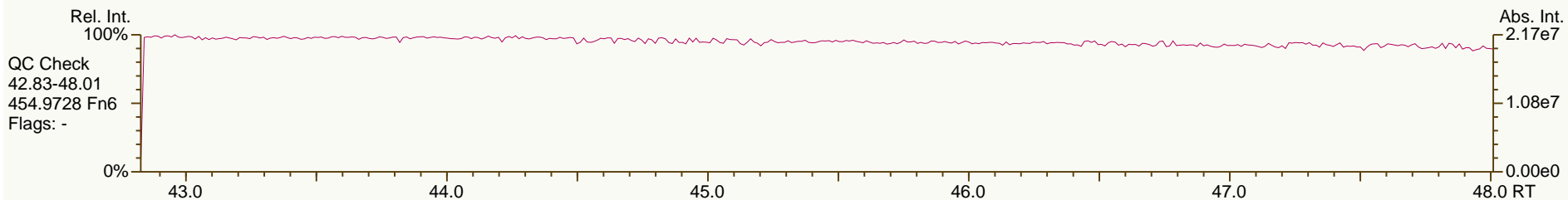
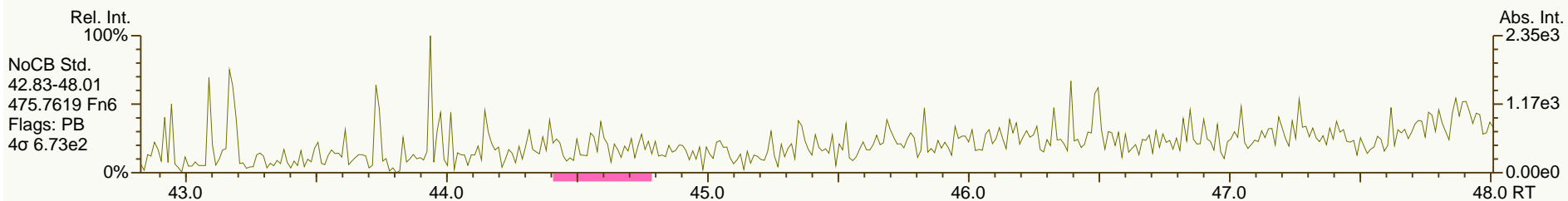
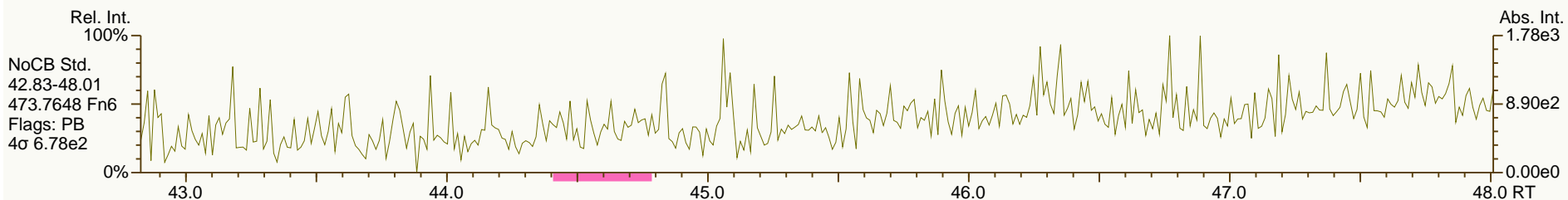
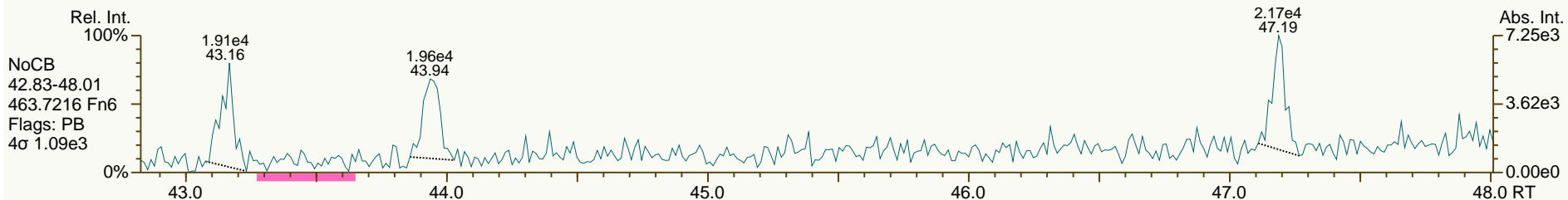
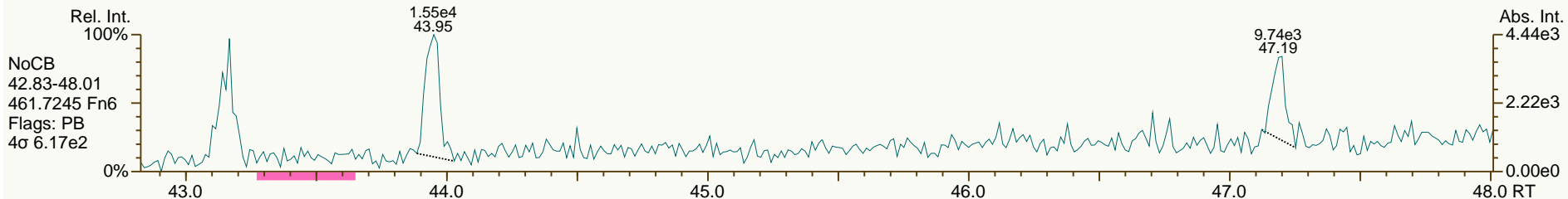
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

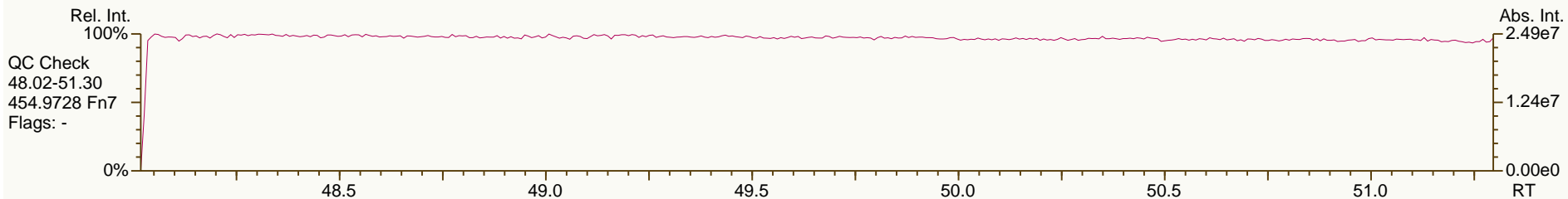
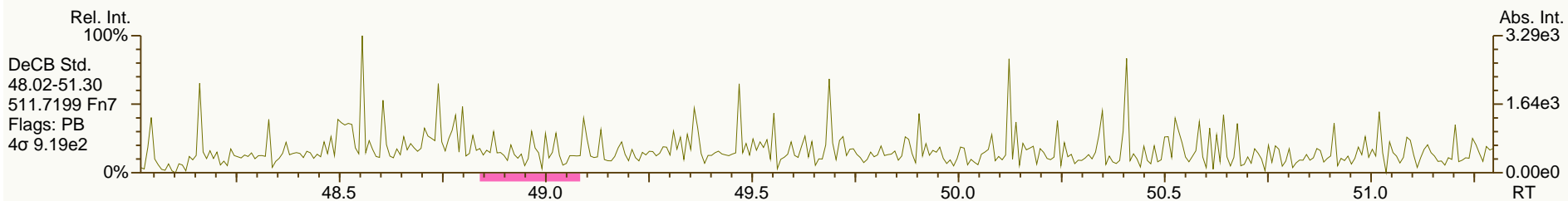
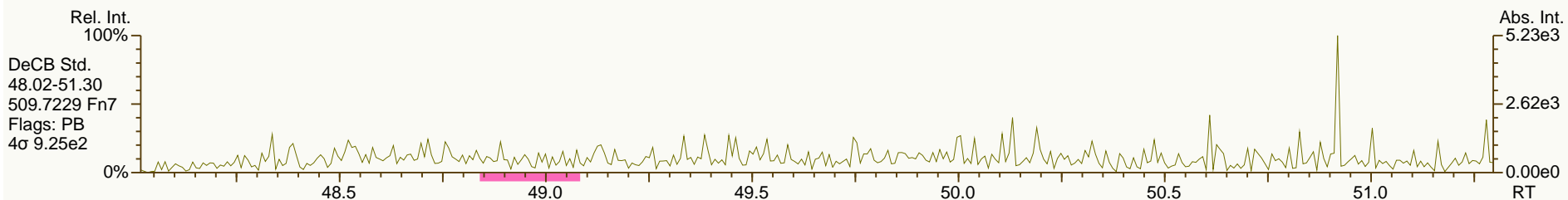
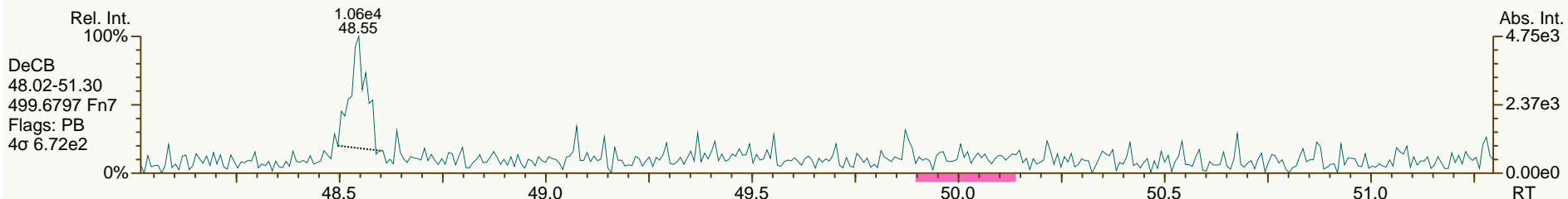
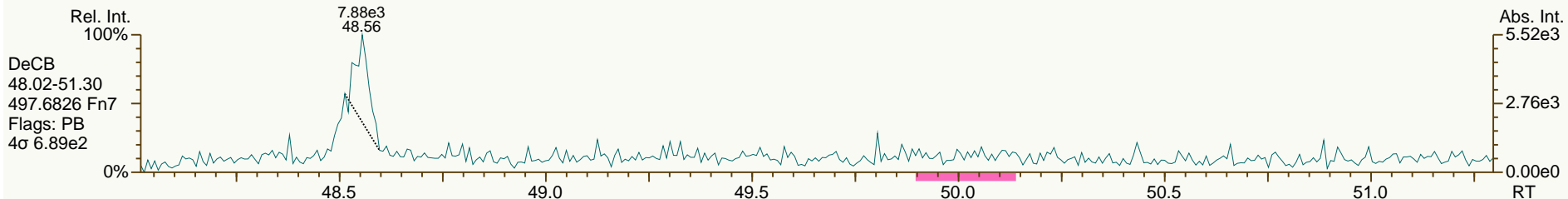
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AP Lab ID: SBS_120126_PCB_SB
 Instr: AutoSpec-Ultima MM4

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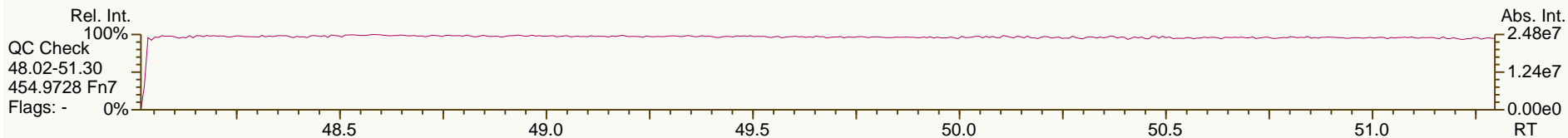
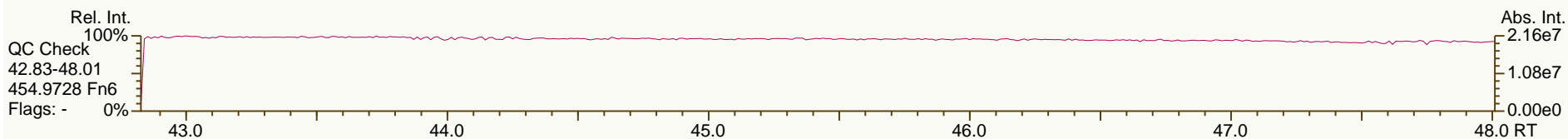
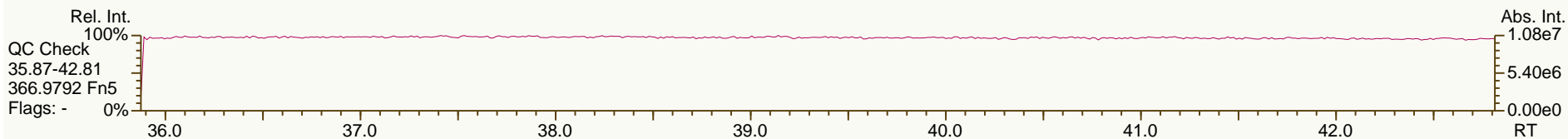
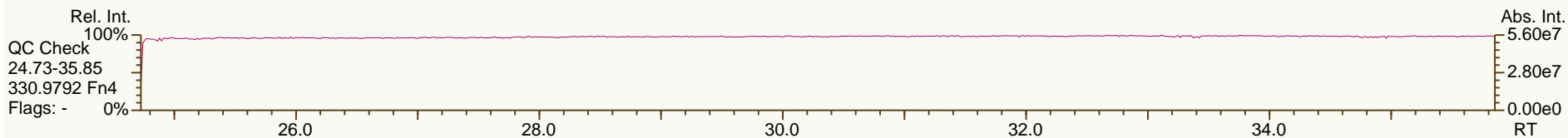
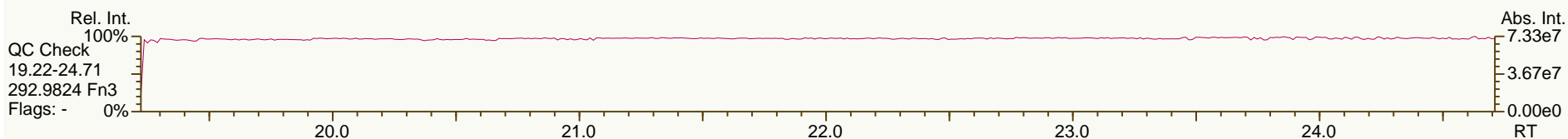
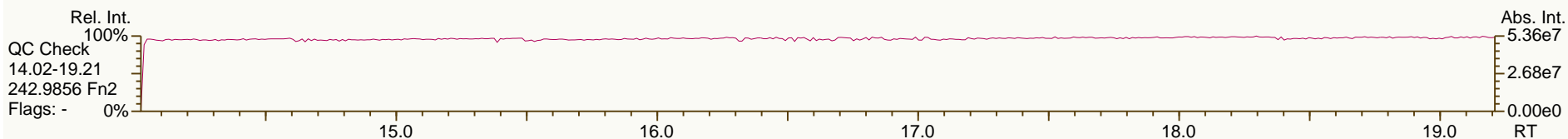
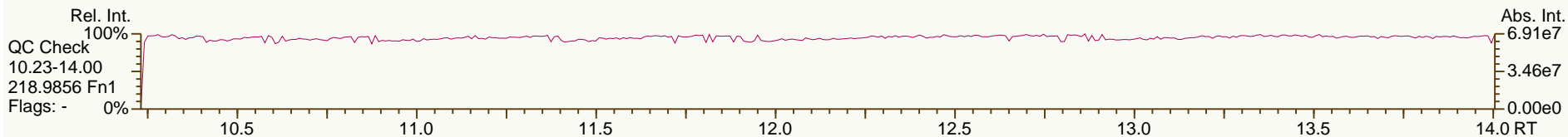
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AP Lab ID: SBS_120126_PCB_SC
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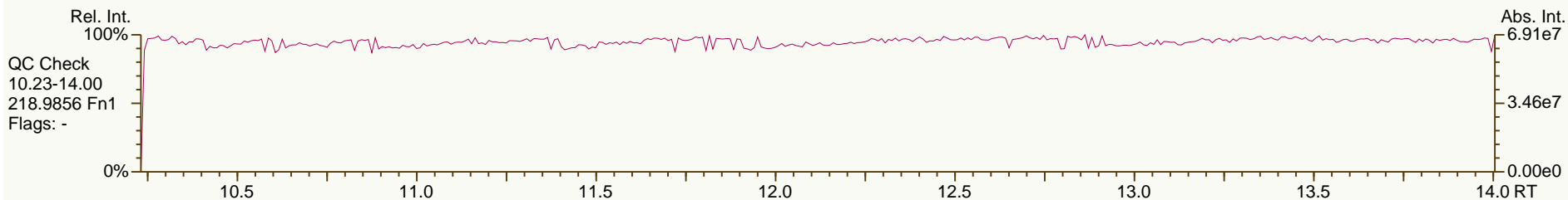
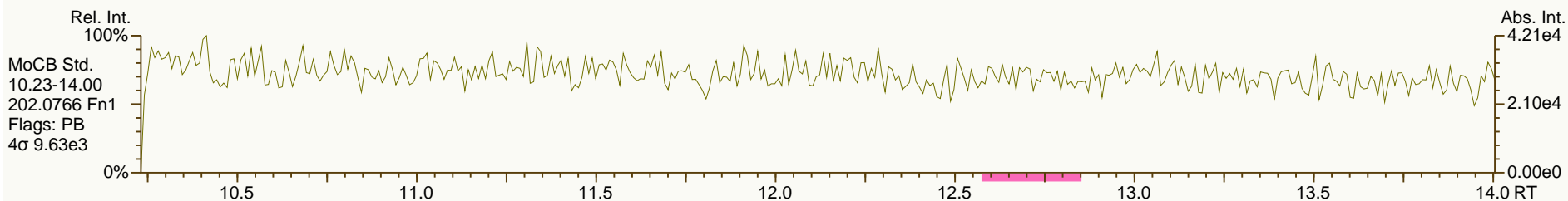
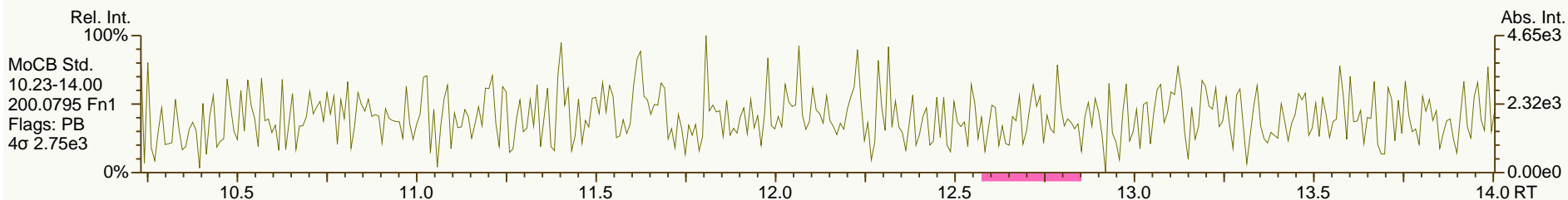
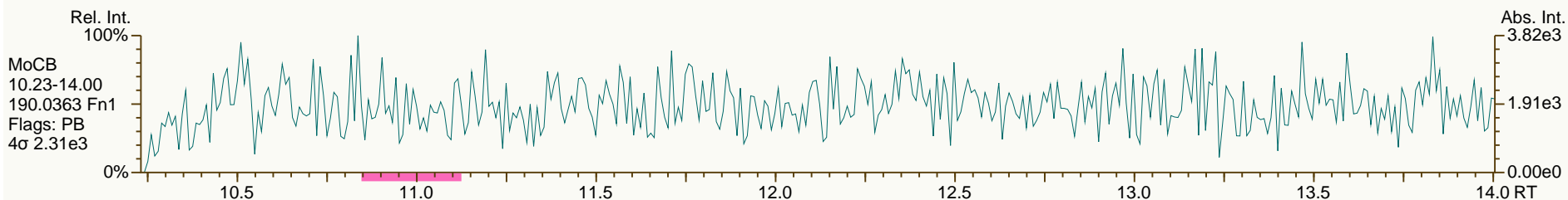
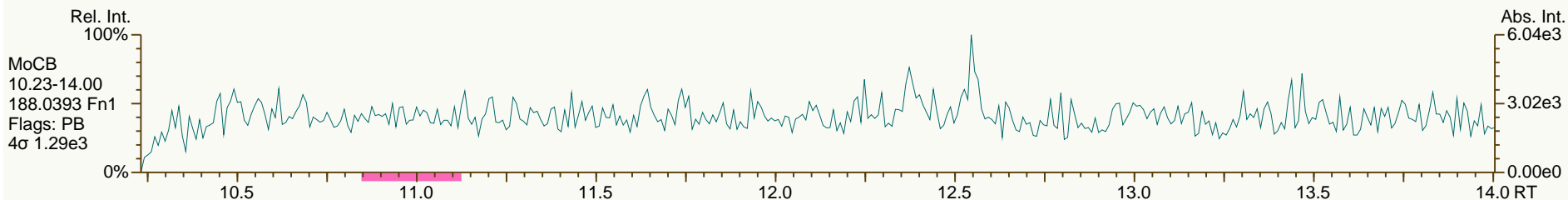
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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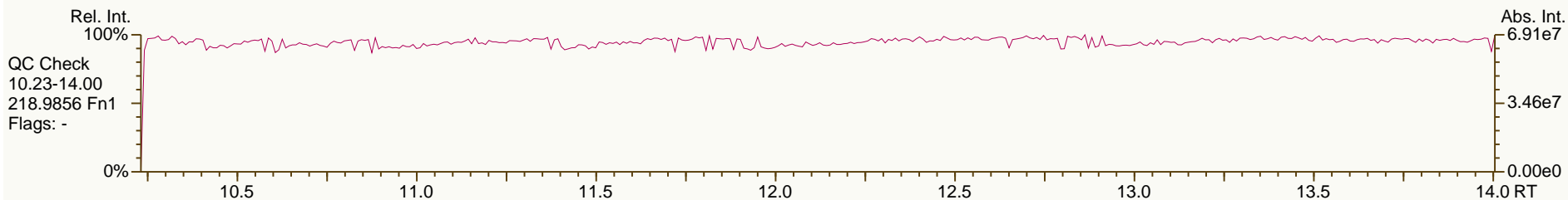
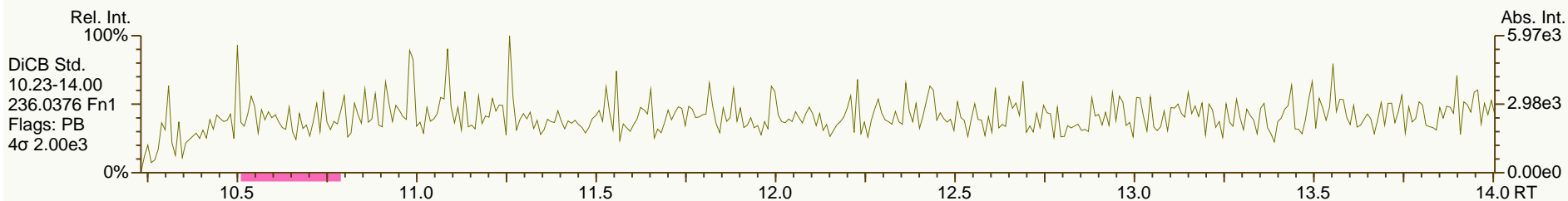
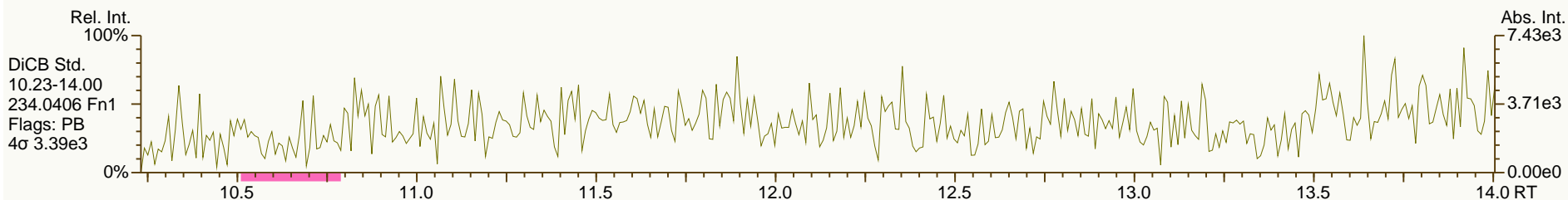
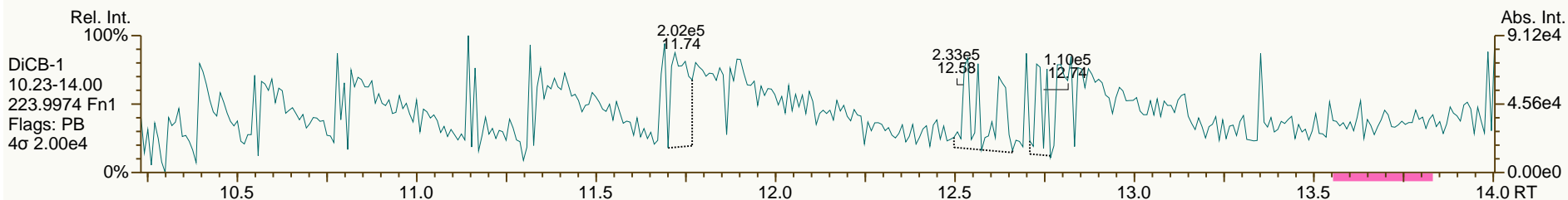
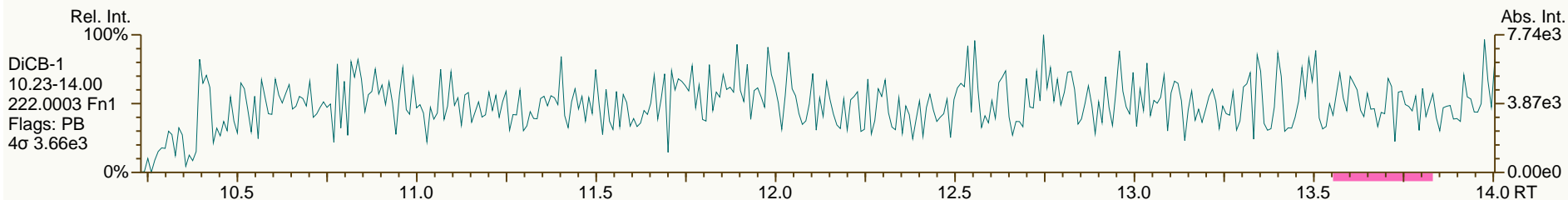
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

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AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

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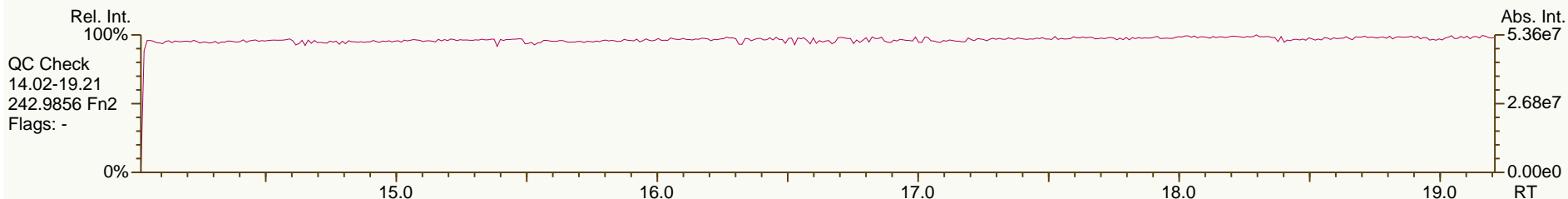
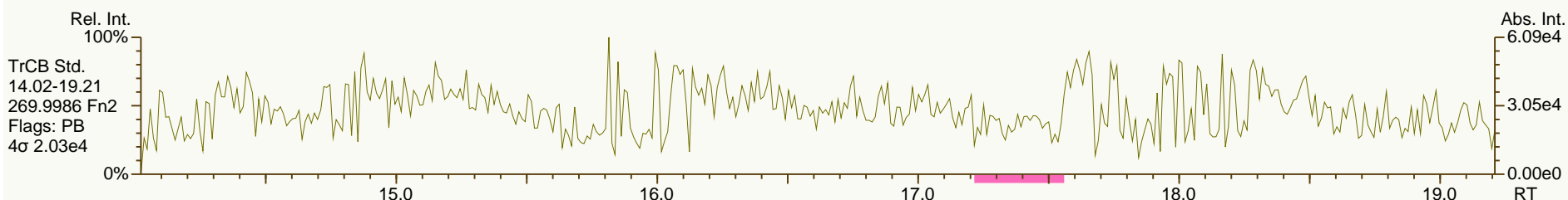
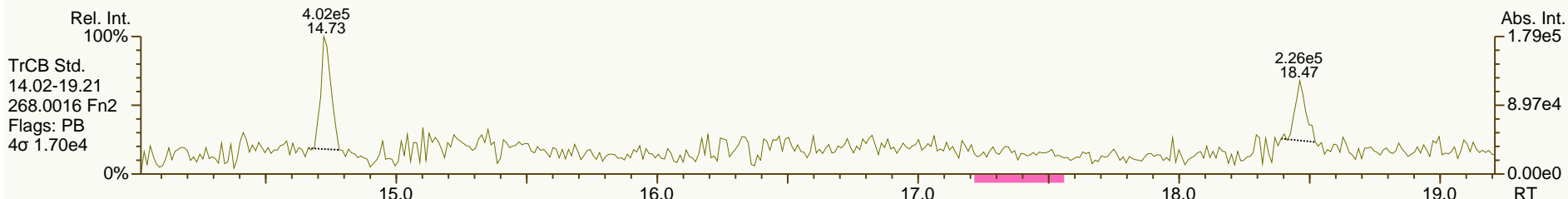
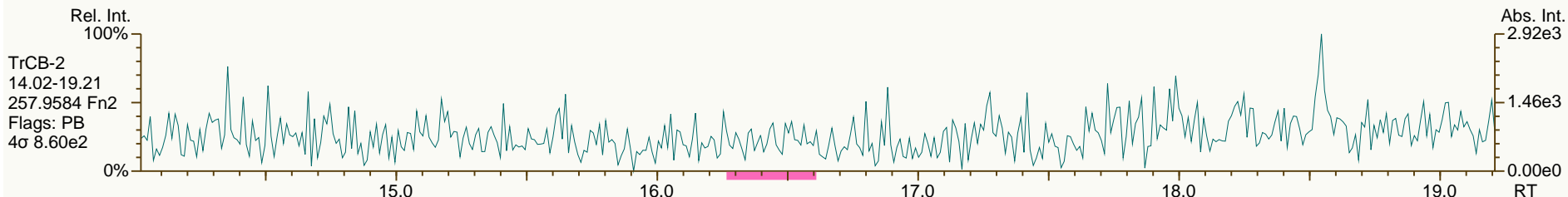
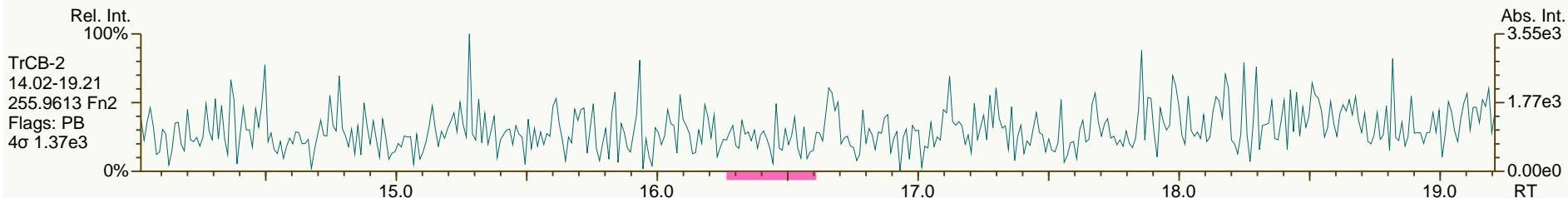
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AP Lab ID: SBS_120126_PCB_SC
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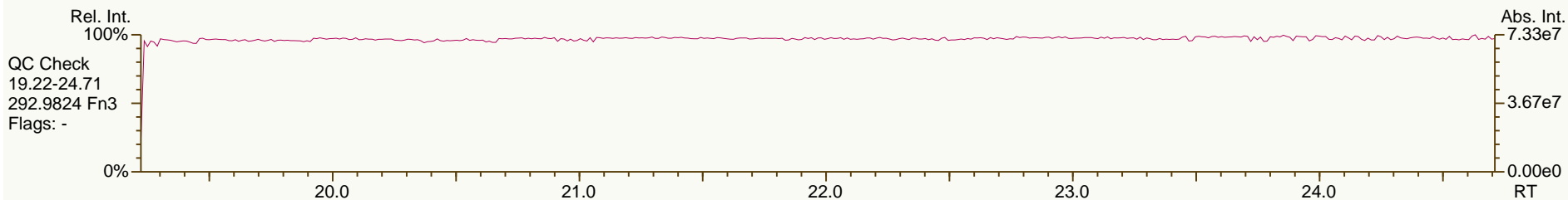
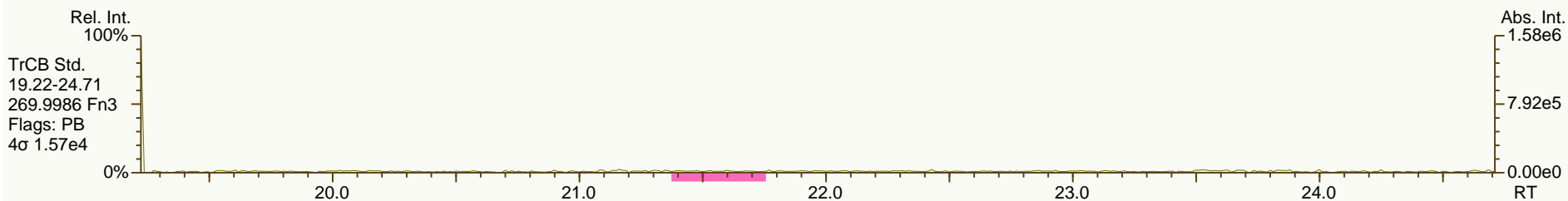
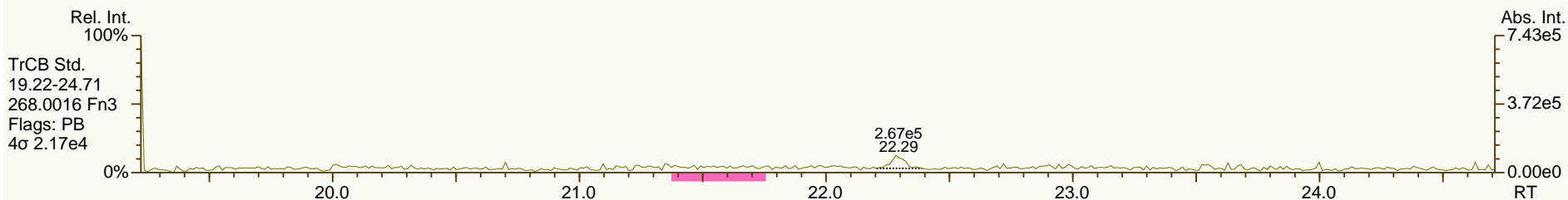
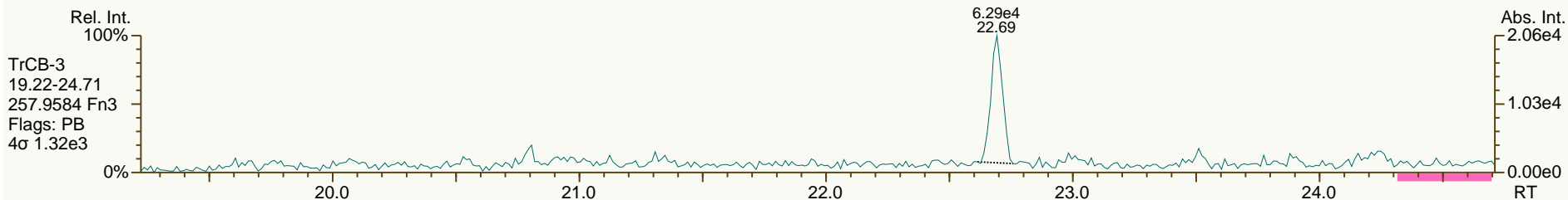
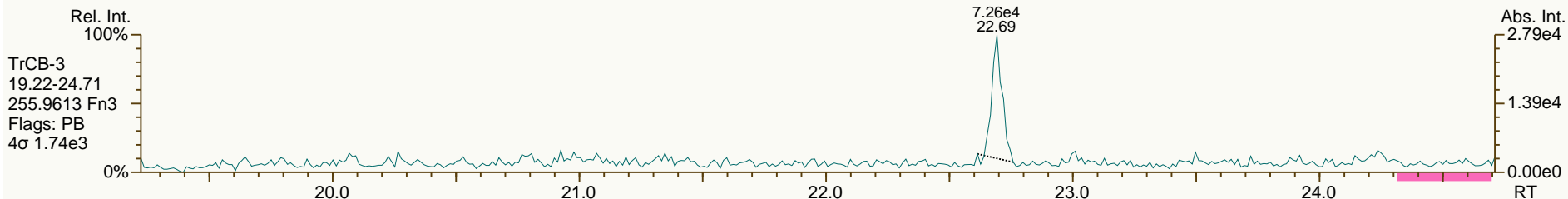
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AP Lab ID: SBS_120126_PCB_SC
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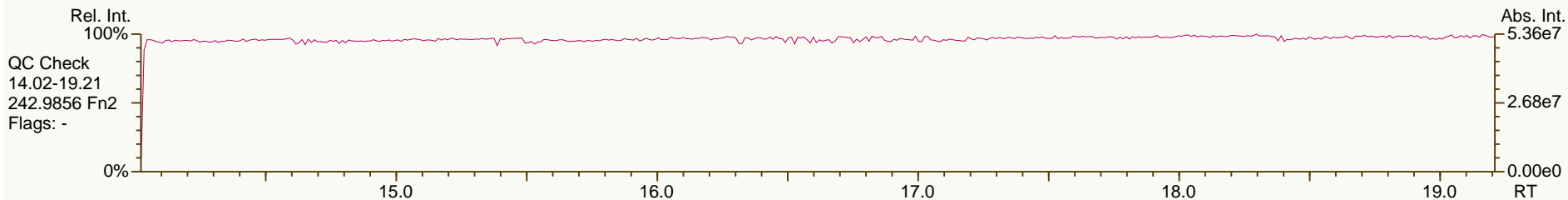
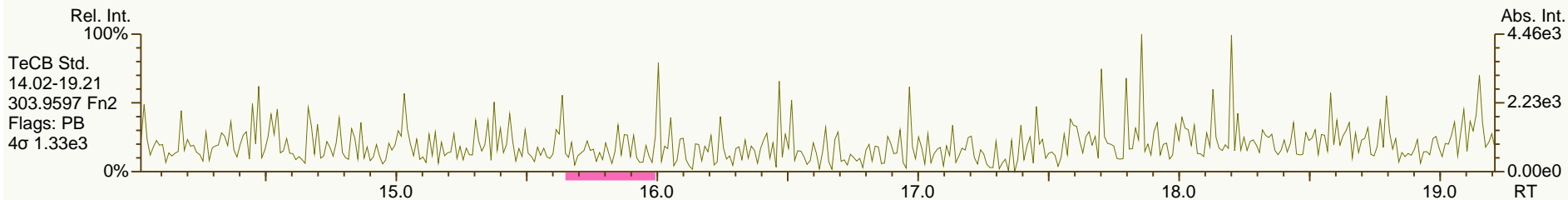
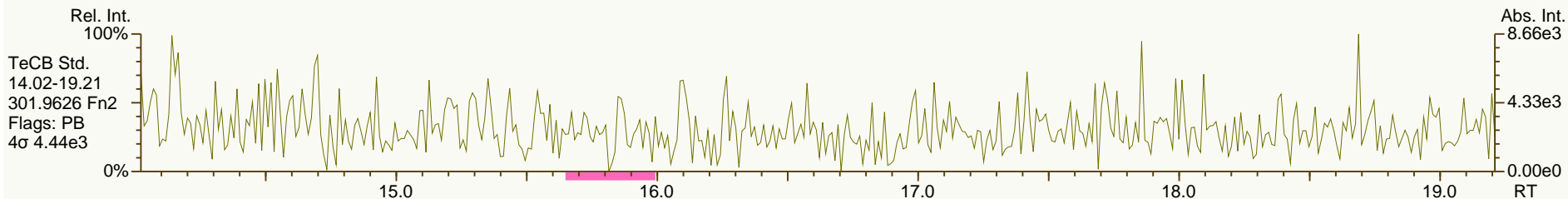
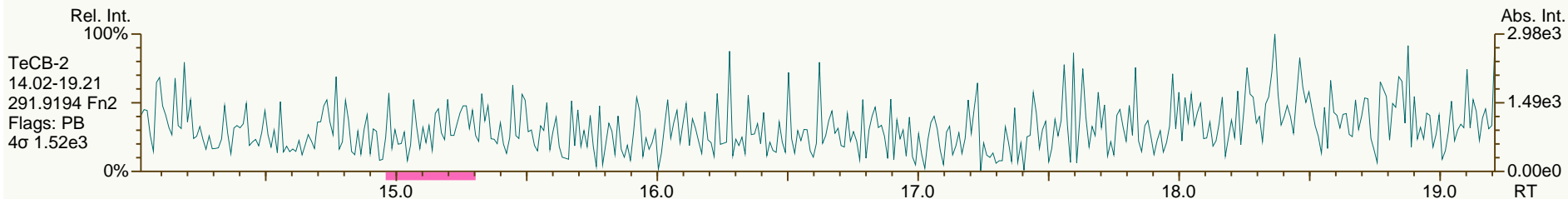
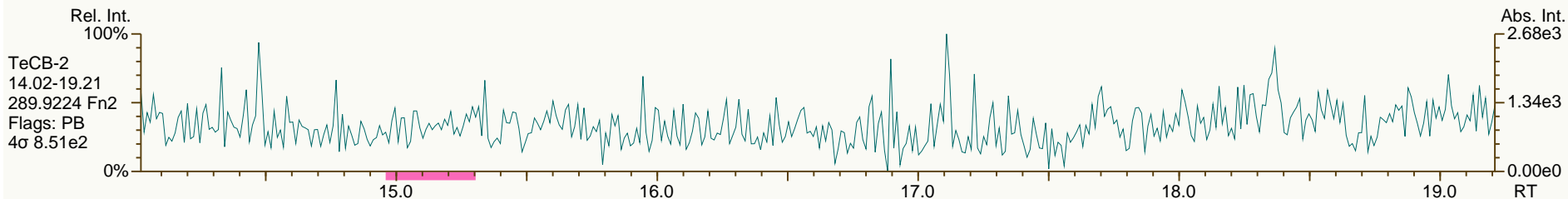
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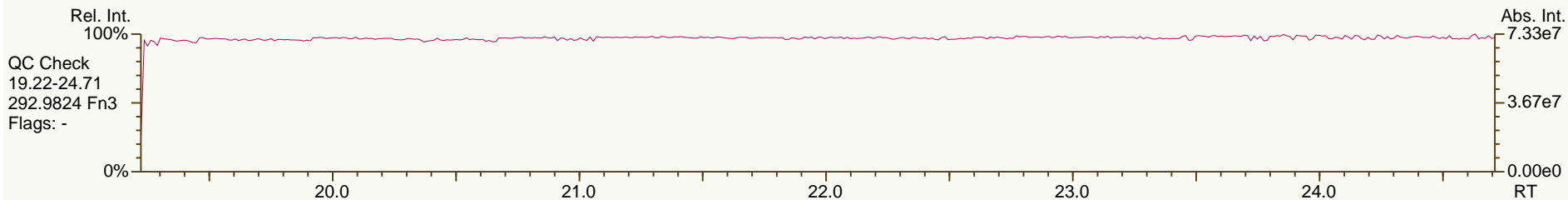
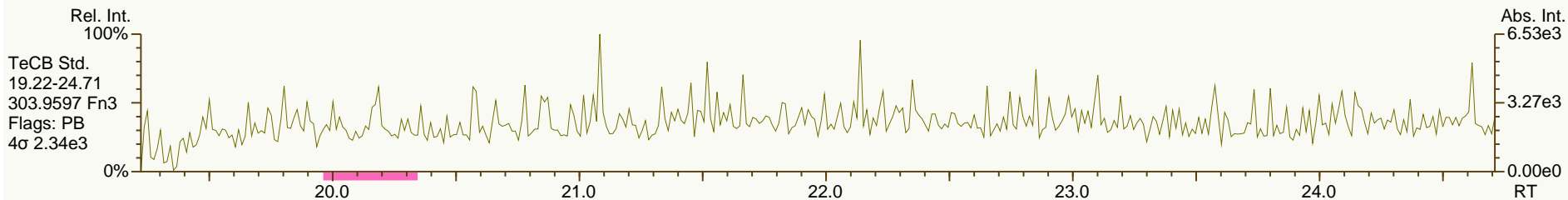
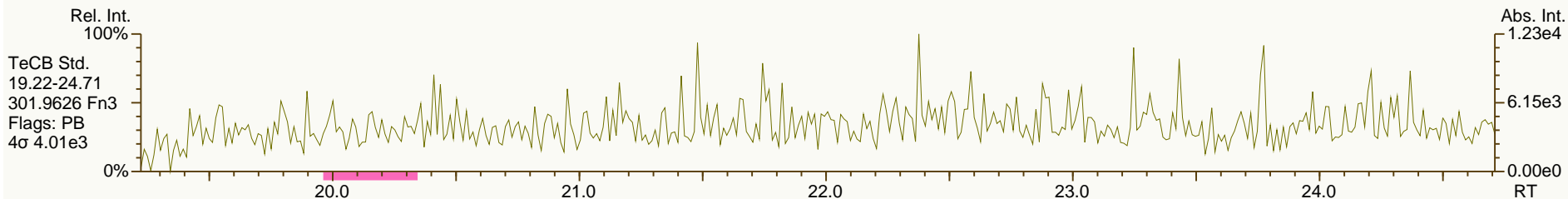
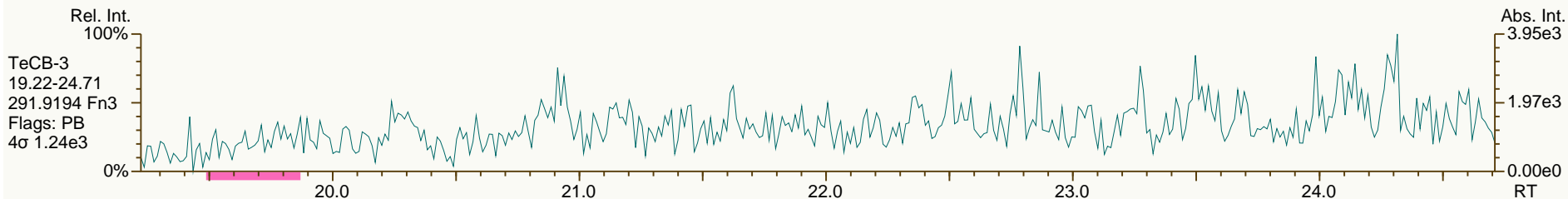
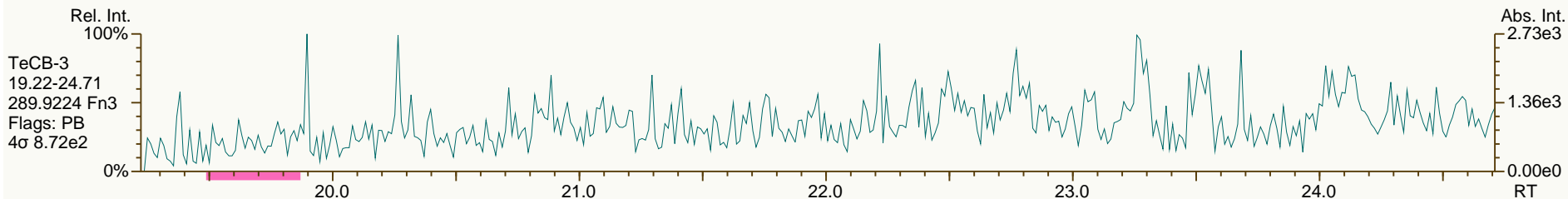
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AP Lab ID: SBS_120126_PCB_SC
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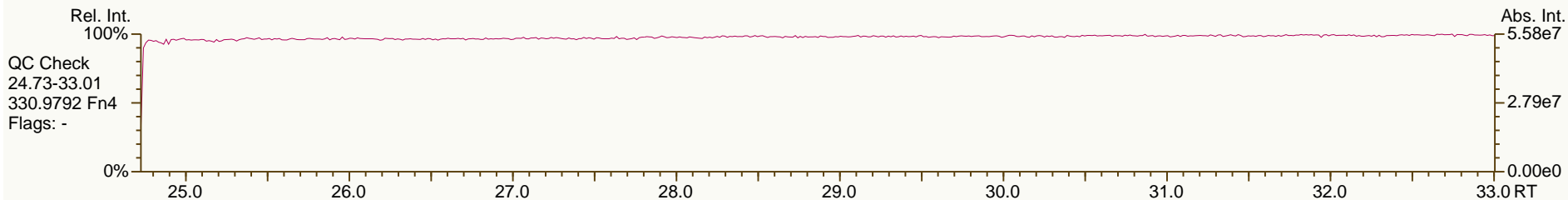
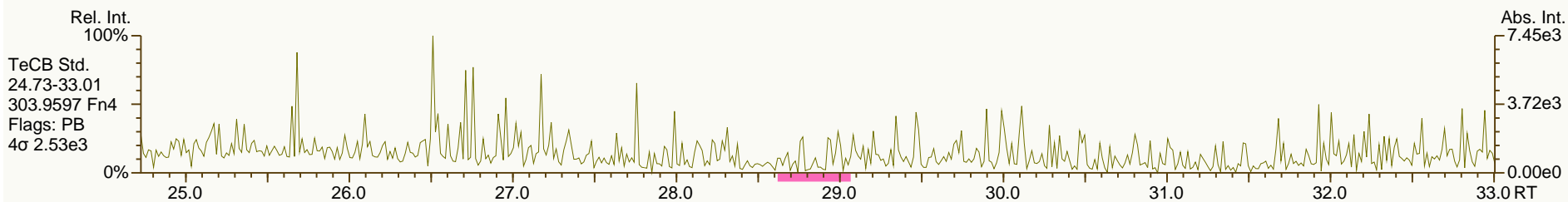
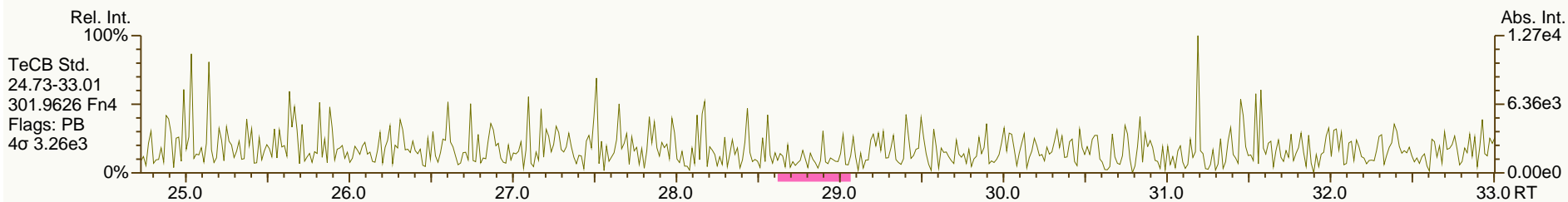
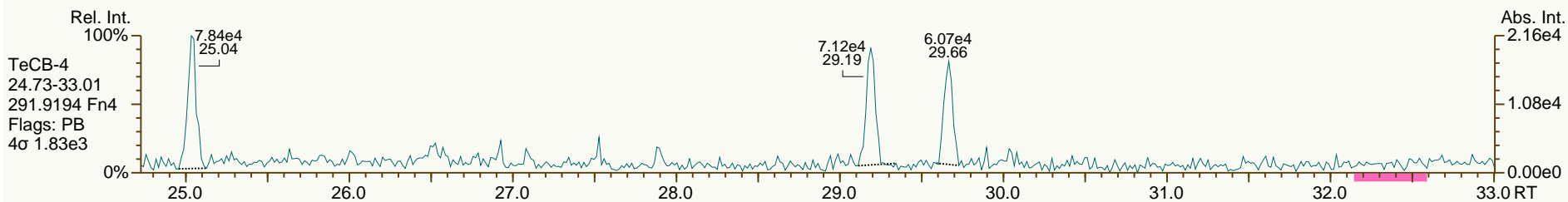
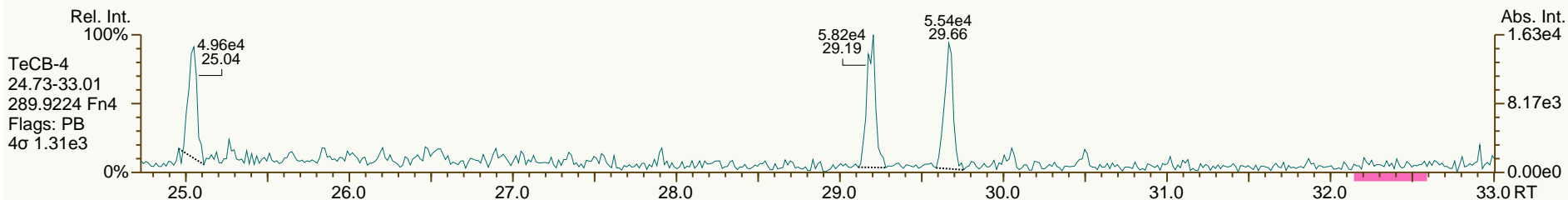
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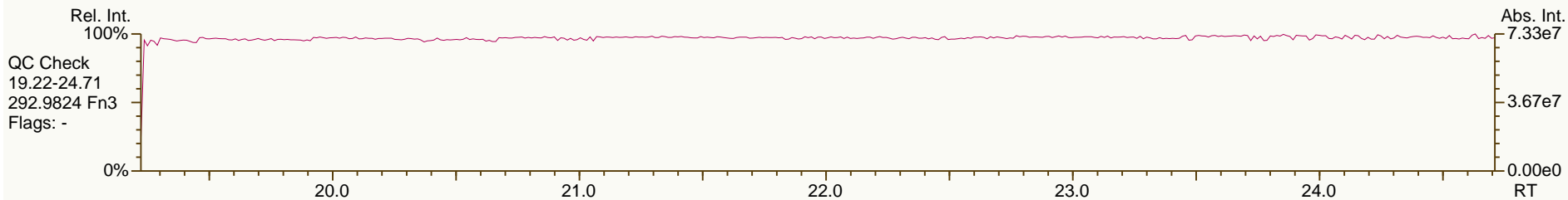
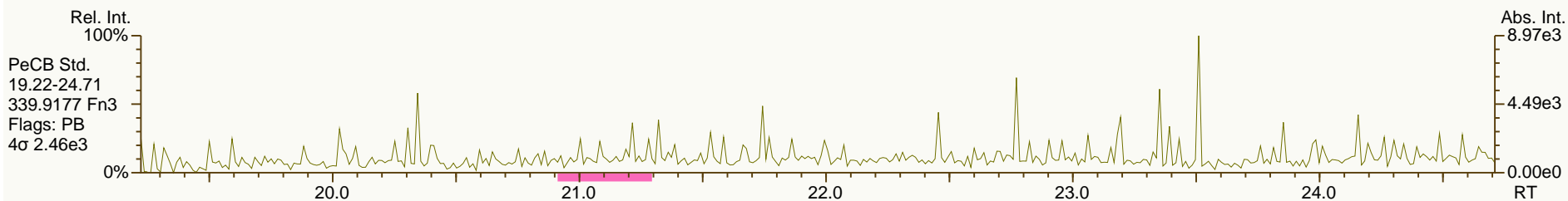
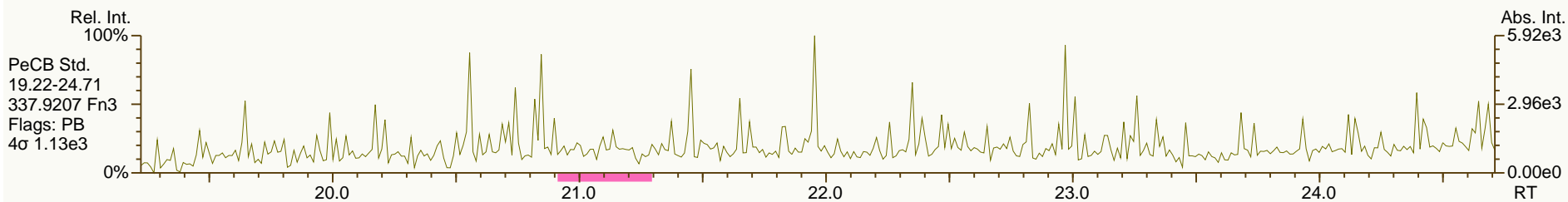
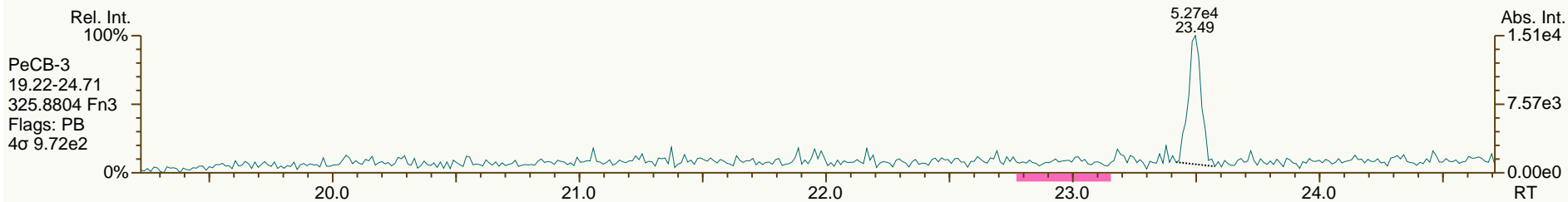
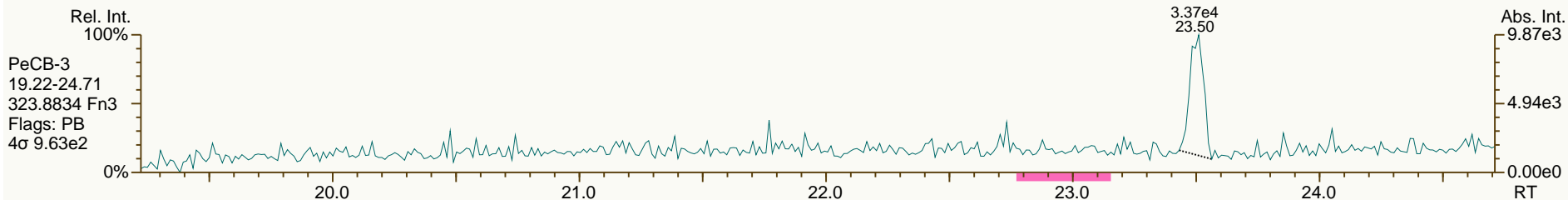
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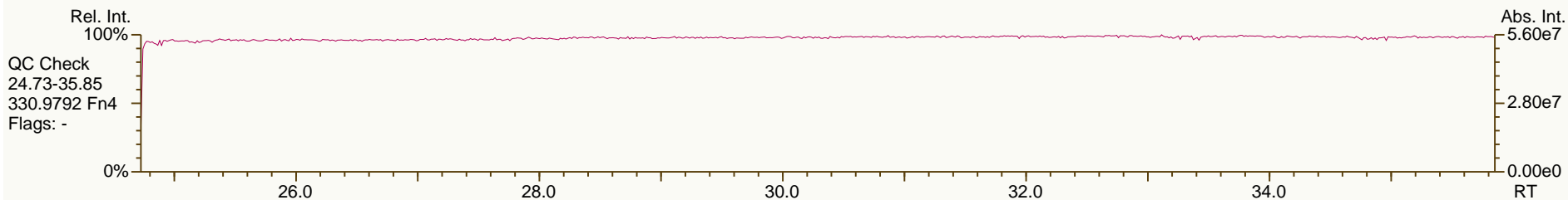
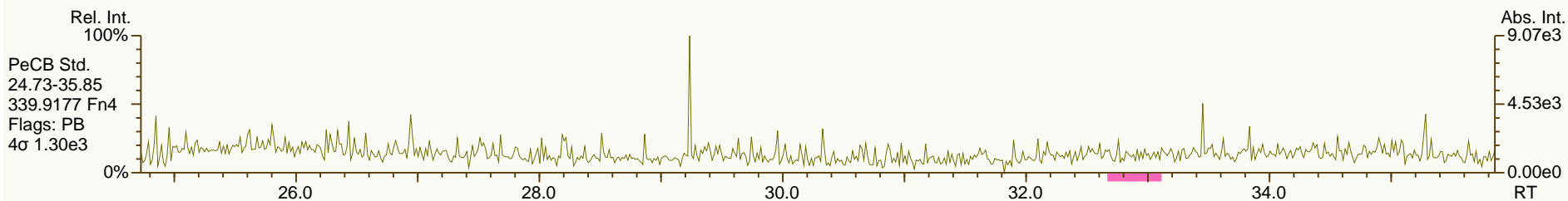
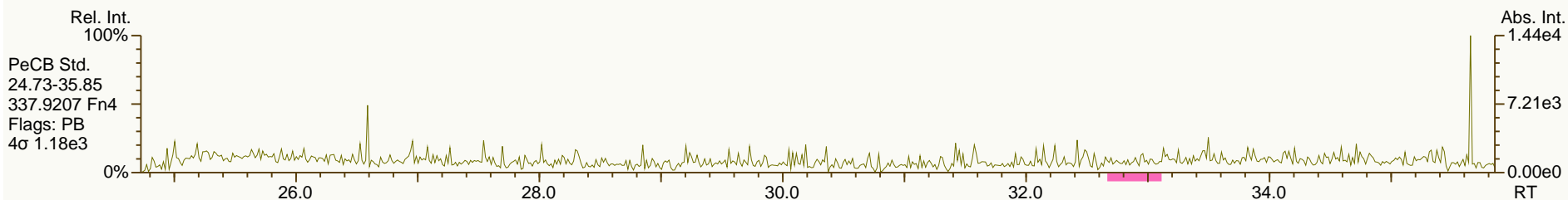
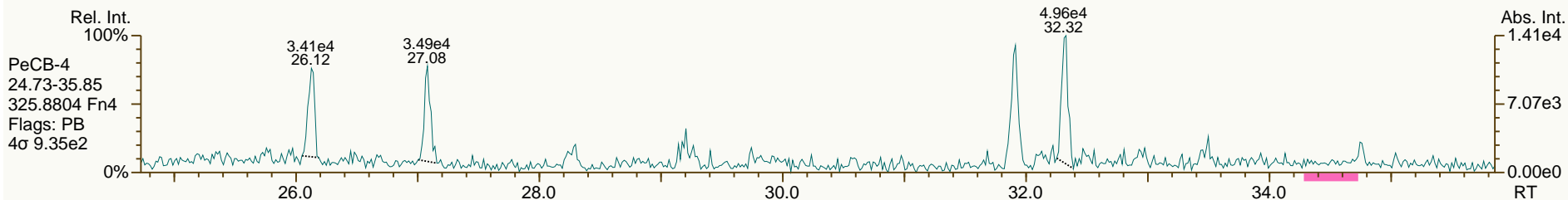
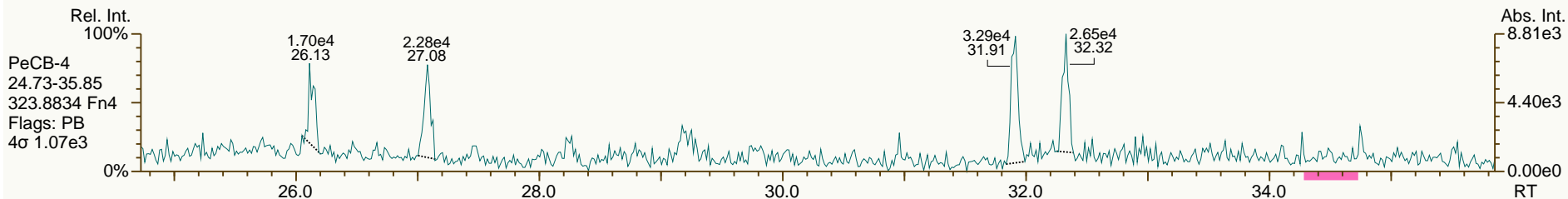
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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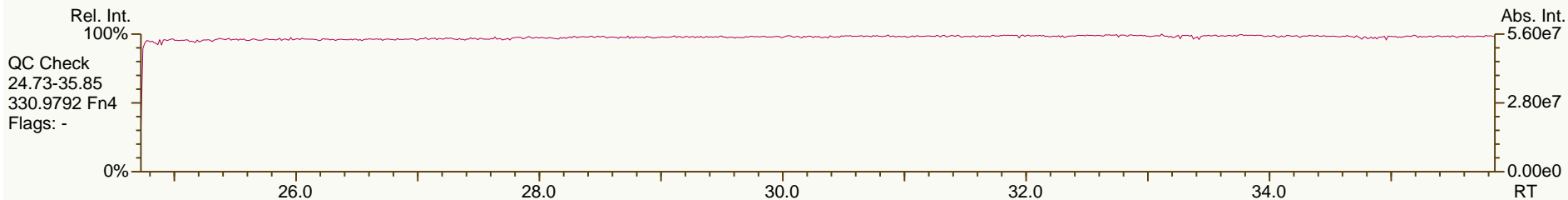
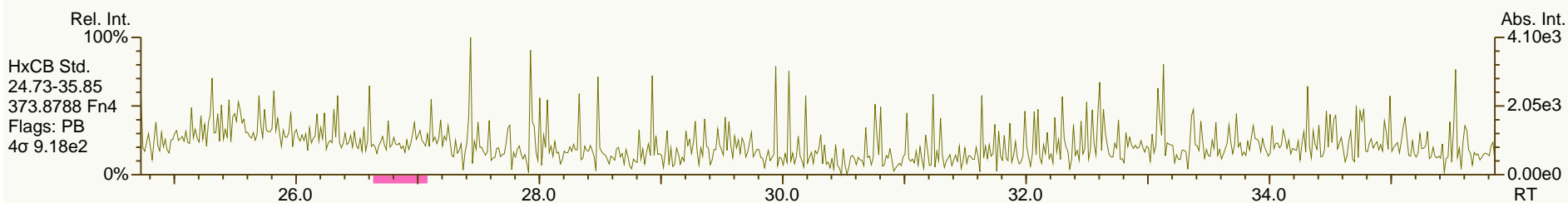
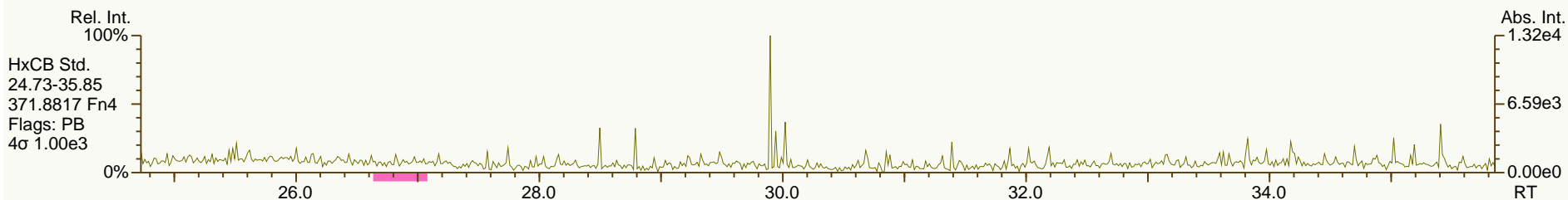
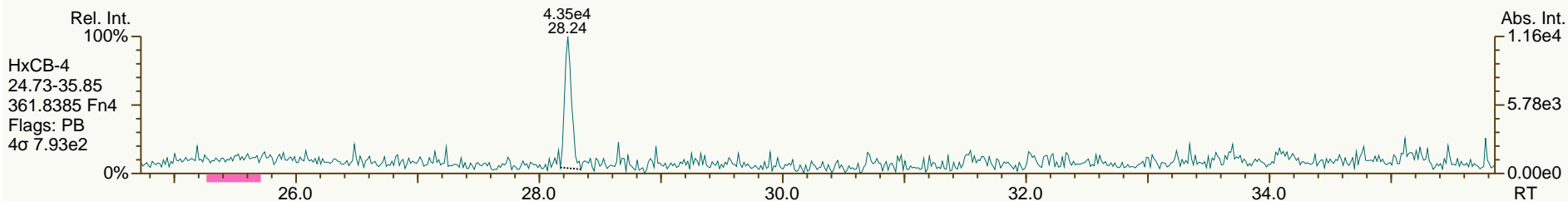
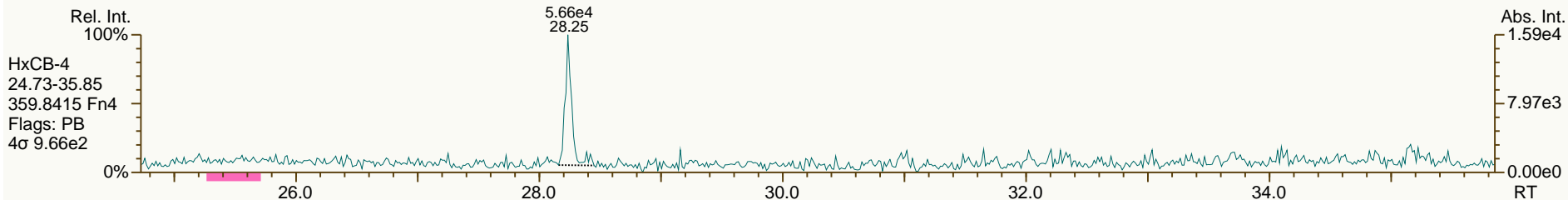
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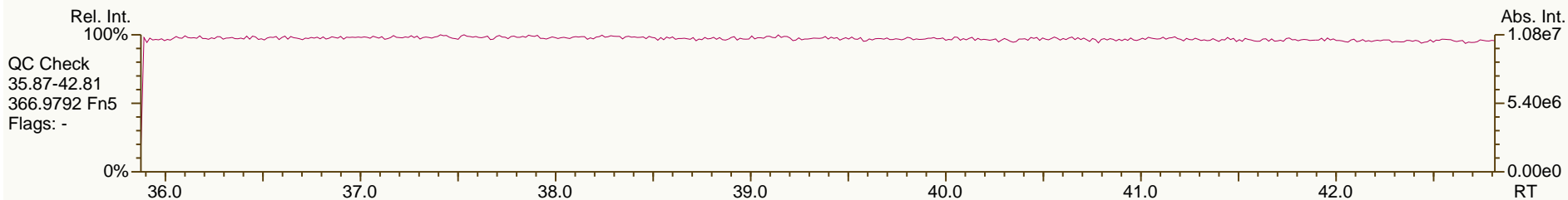
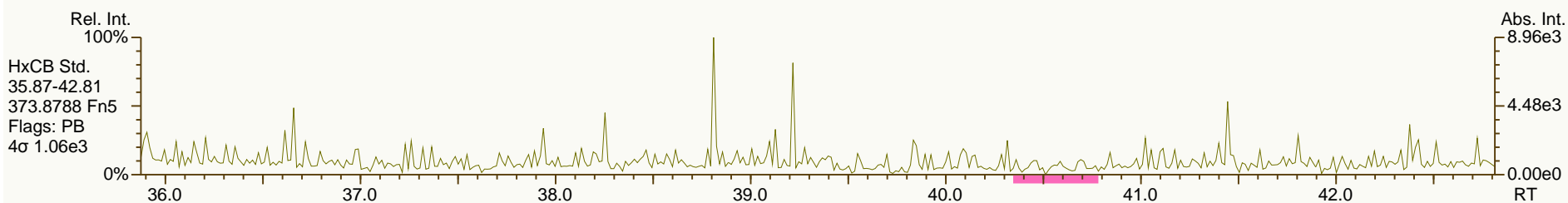
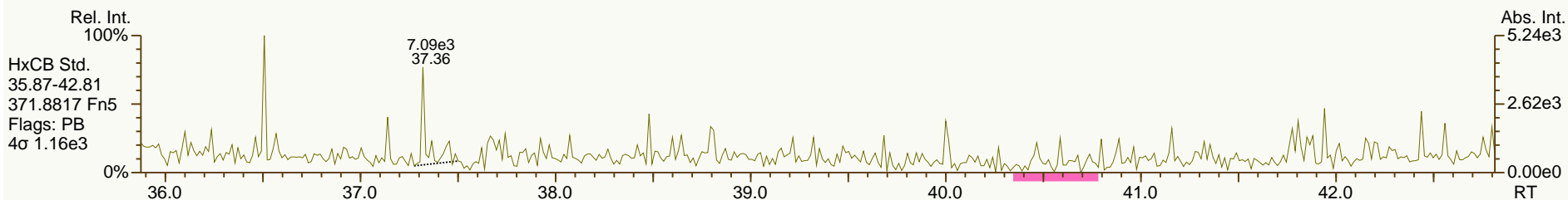
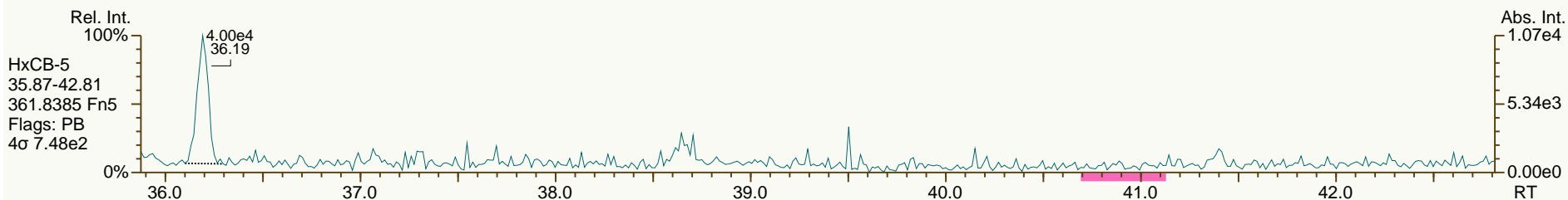
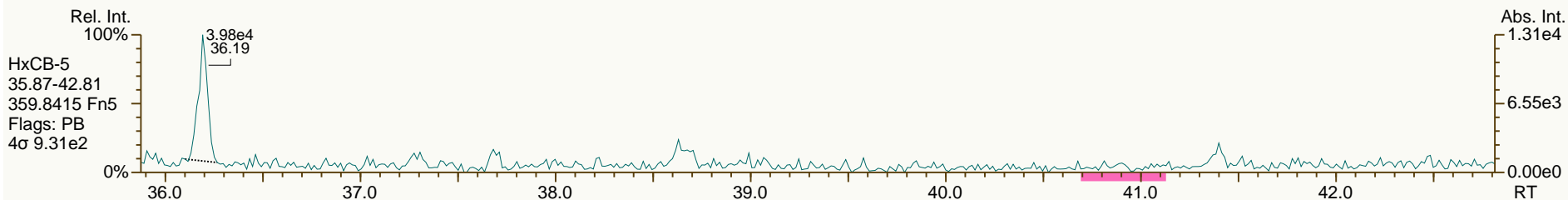
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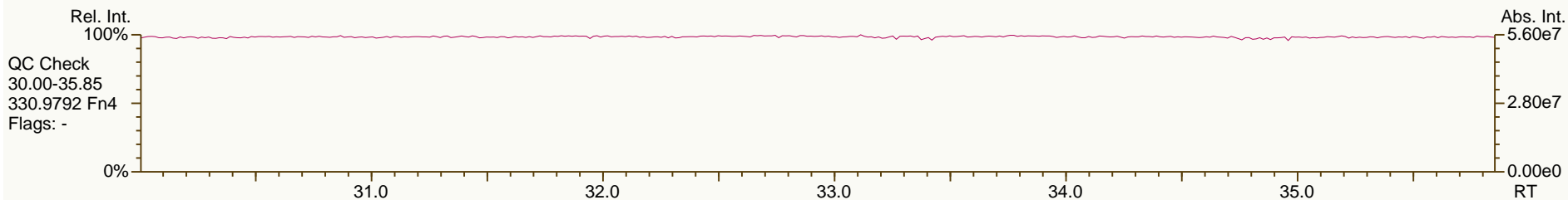
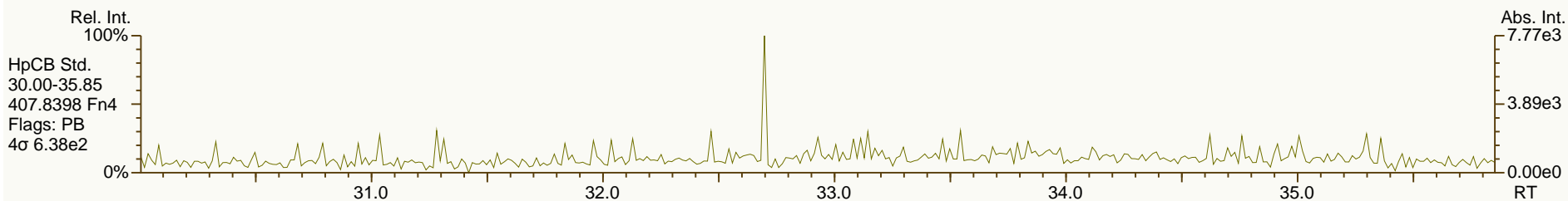
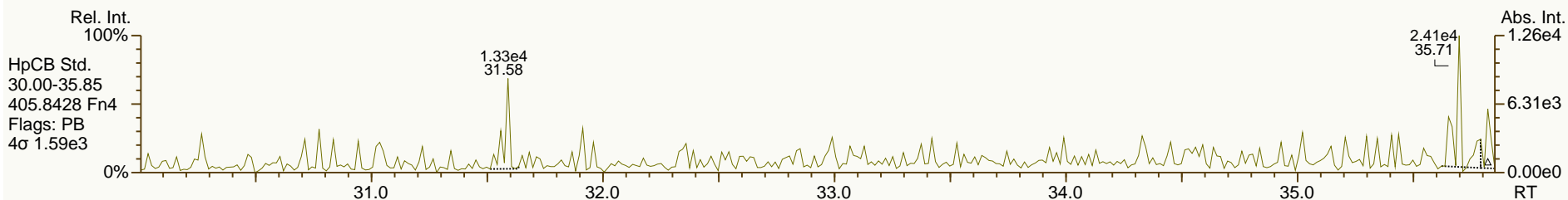
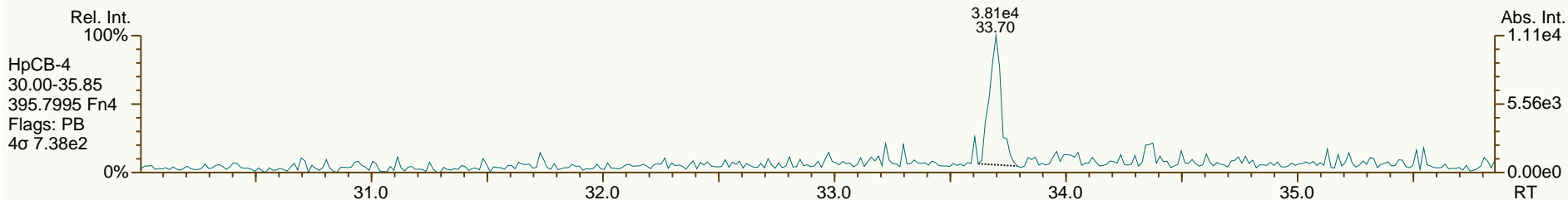
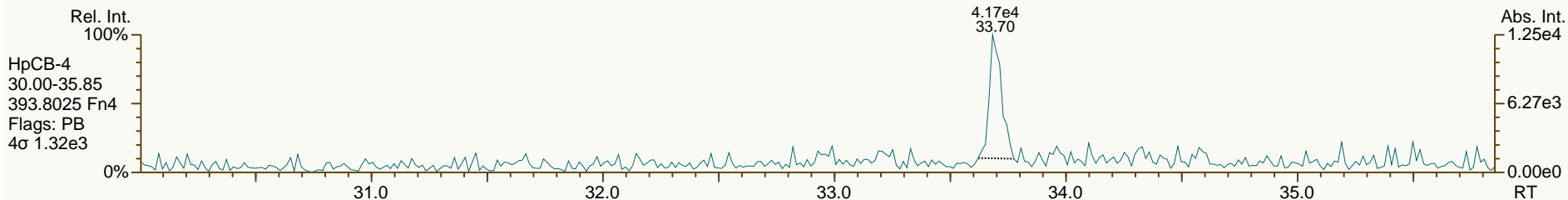
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AP Lab ID: SBS_120126_PCB_SC
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Sample ID: SIL 9-41-1
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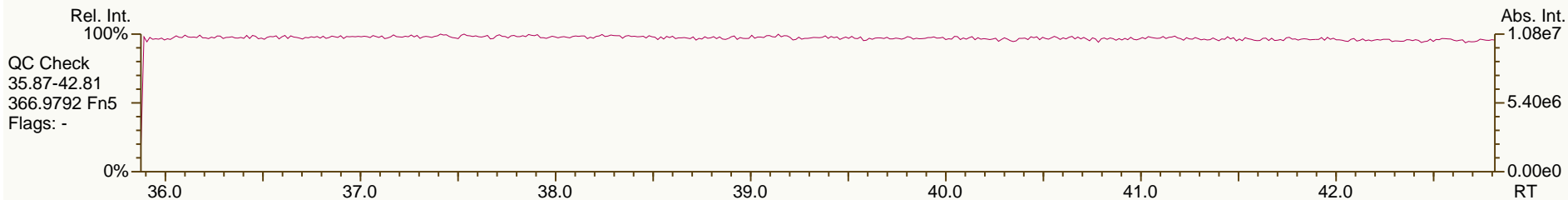
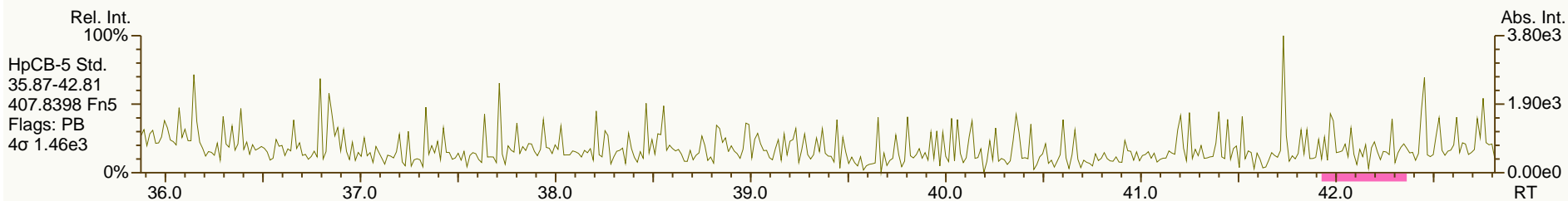
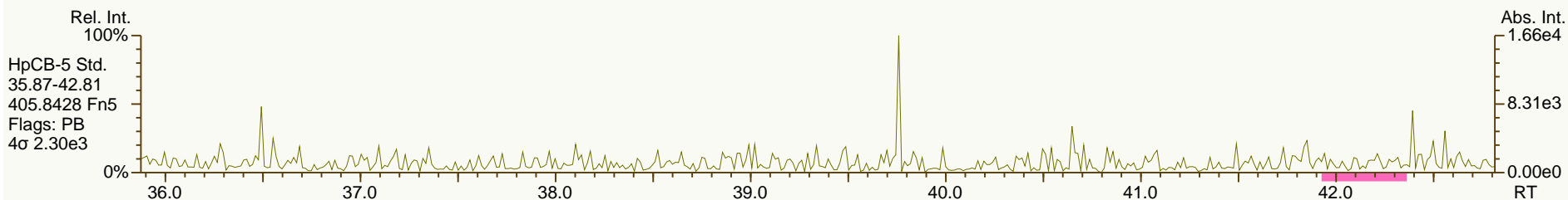
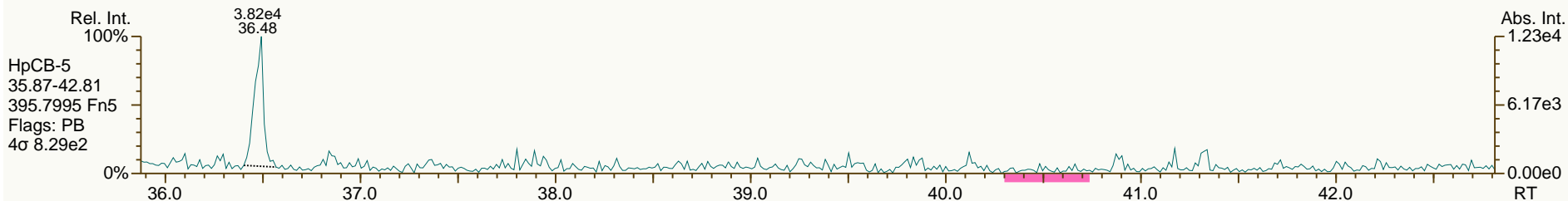
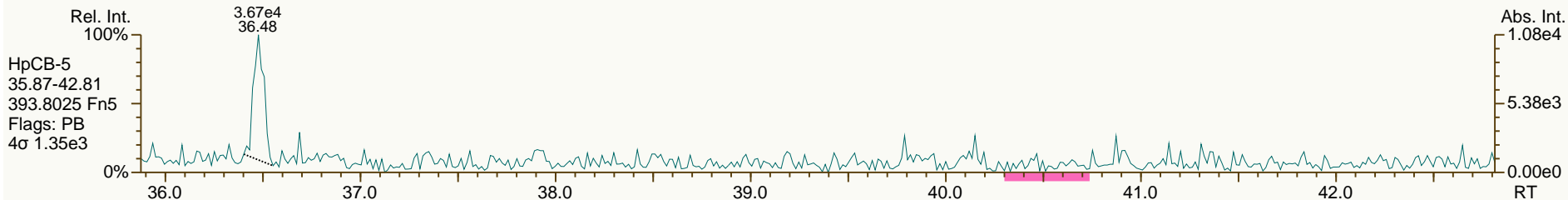
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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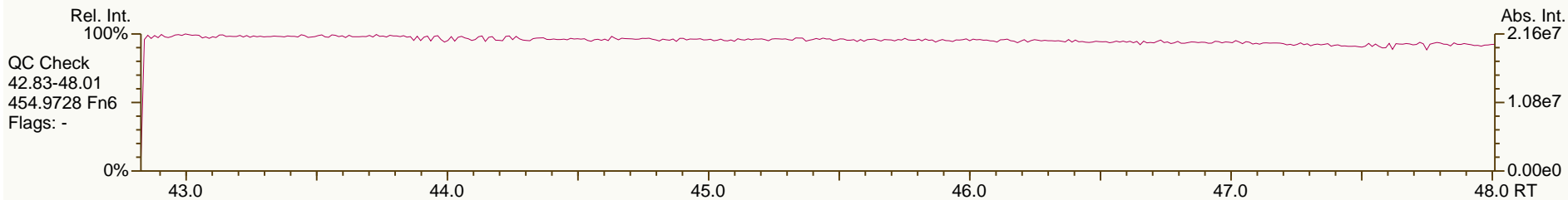
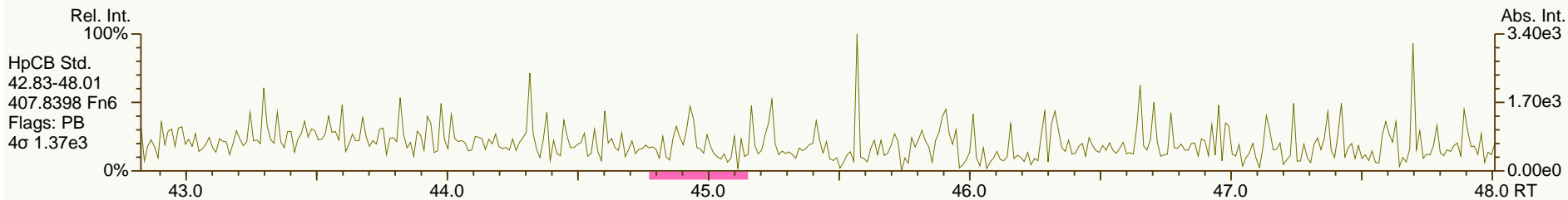
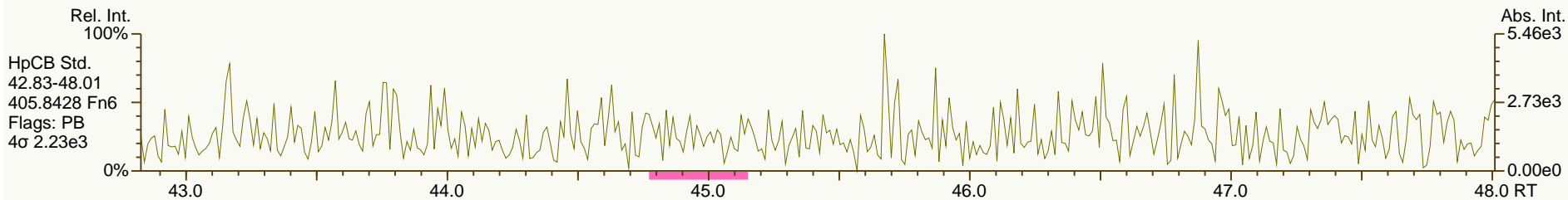
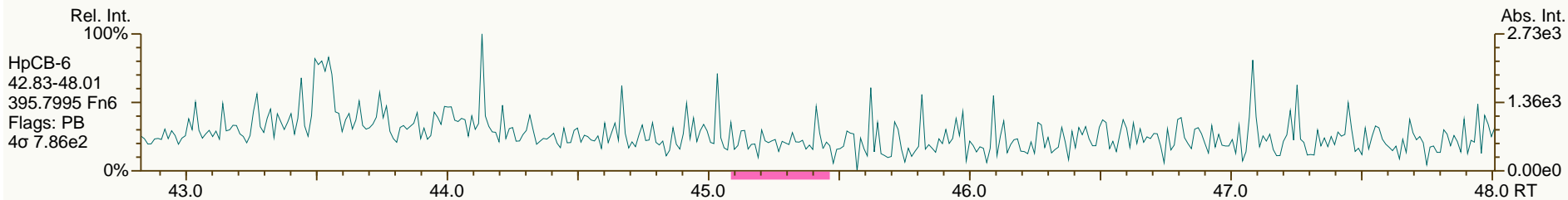
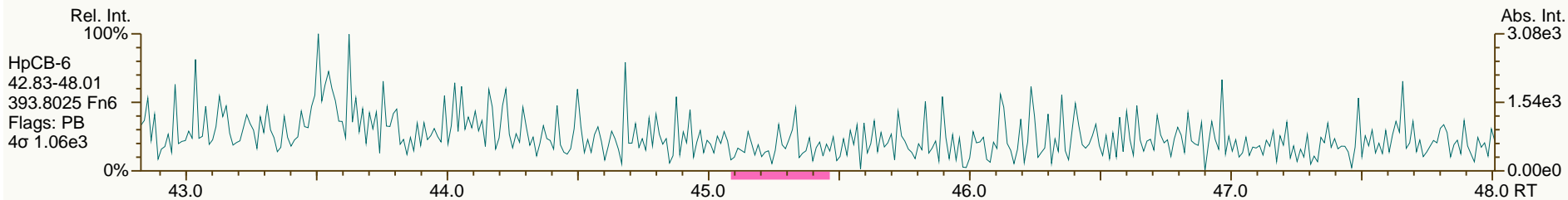
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AP Lab ID: SBS_120126_PCB_SC
 Instr: AutoSpec-Ultima MM4

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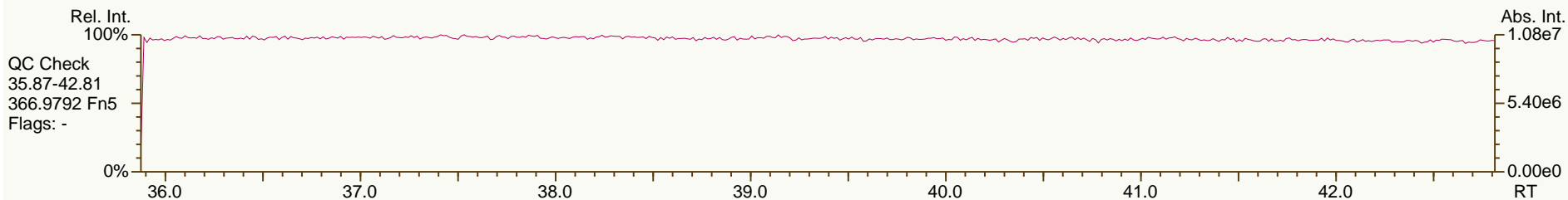
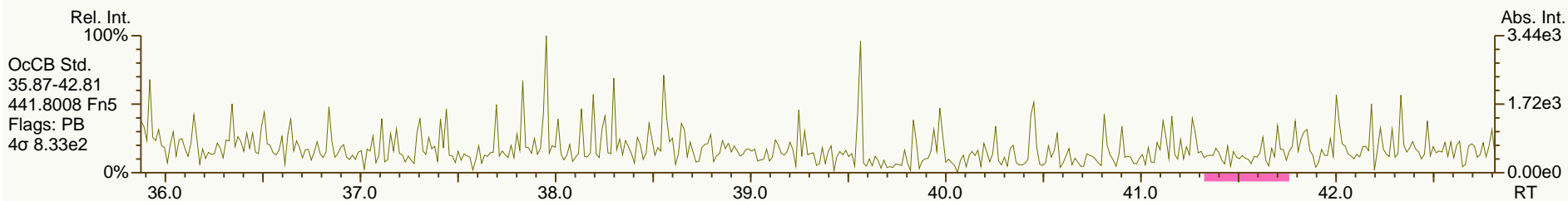
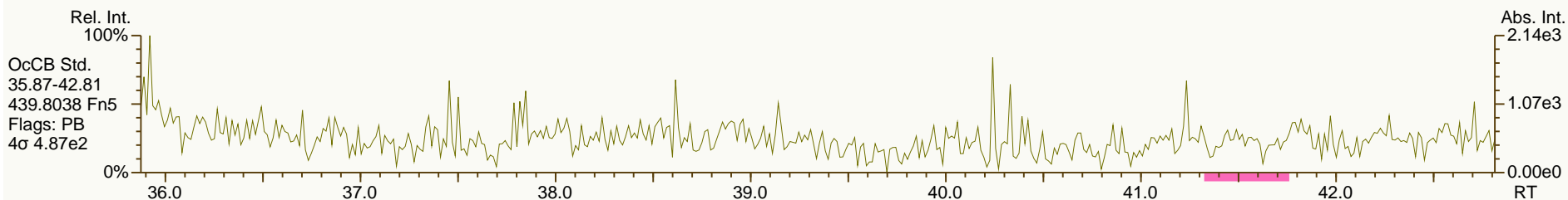
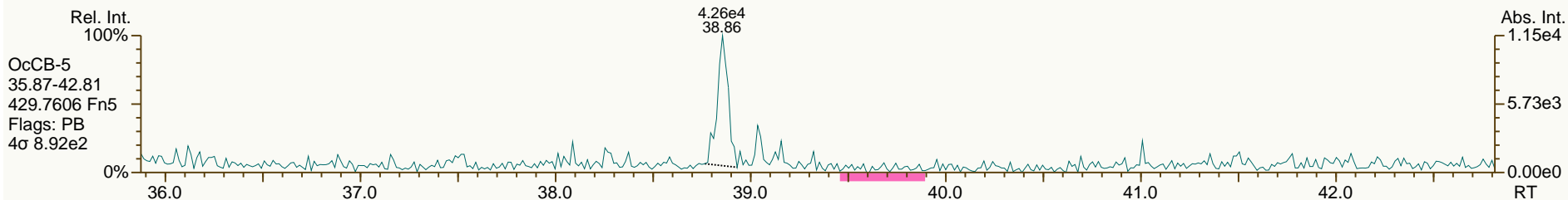
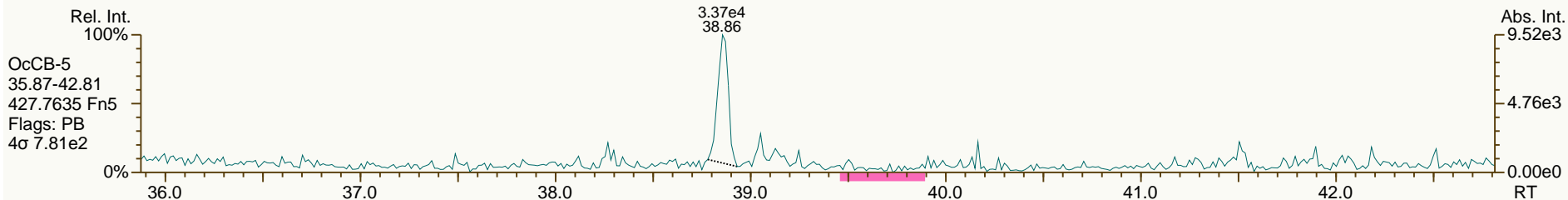
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AP Lab ID: SBS_120126_PCB_SC
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Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SC
Instr: AutoSpec-Ultima MM4

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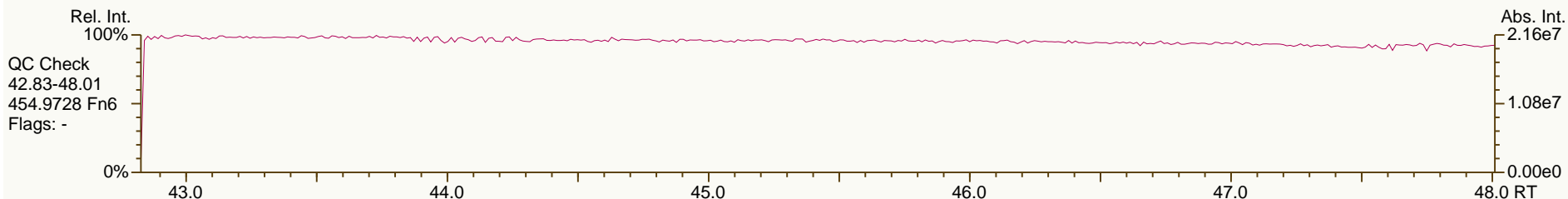
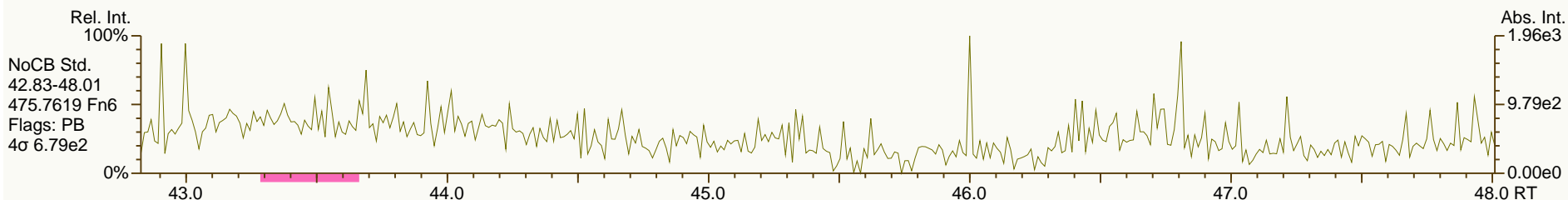
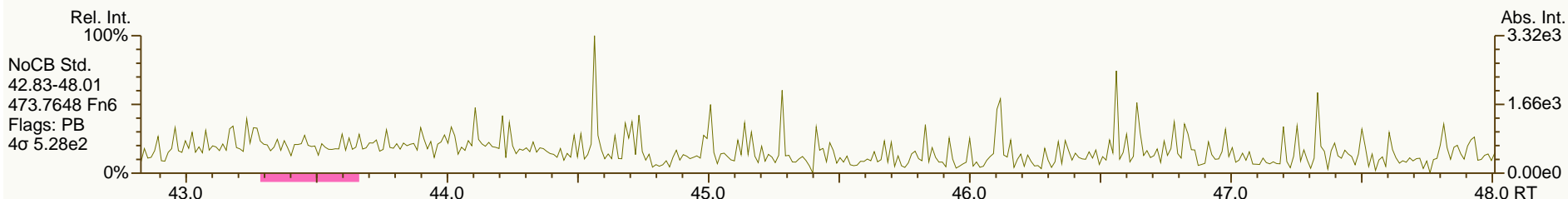
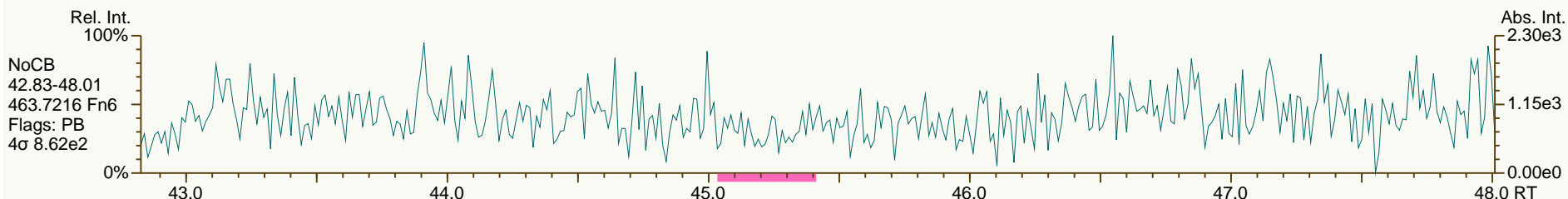
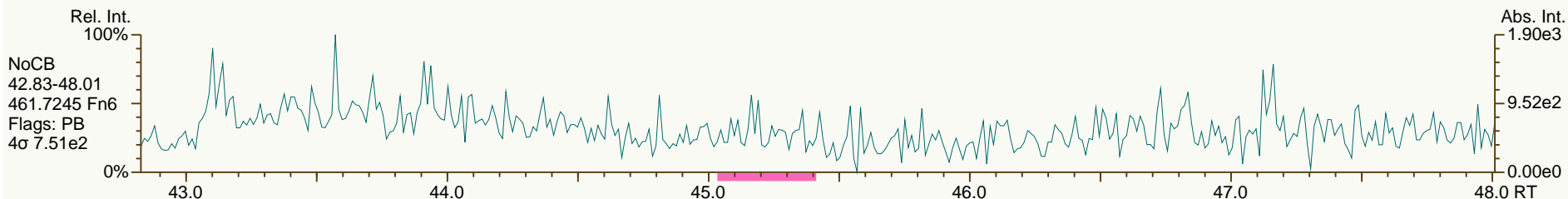
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AP Lab ID: SBS_120126_PCB_SC
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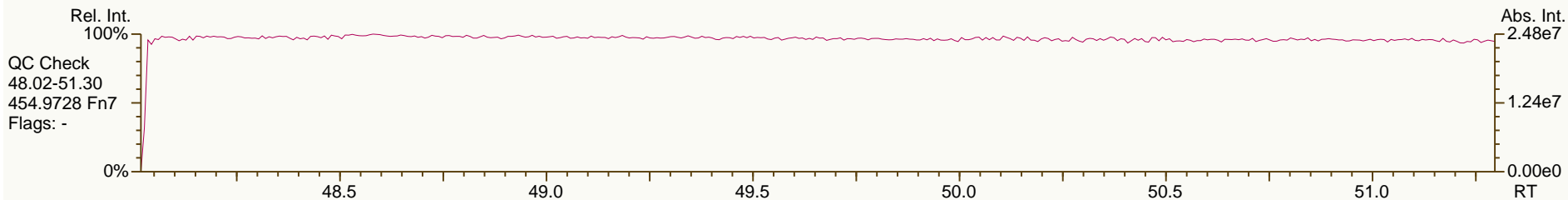
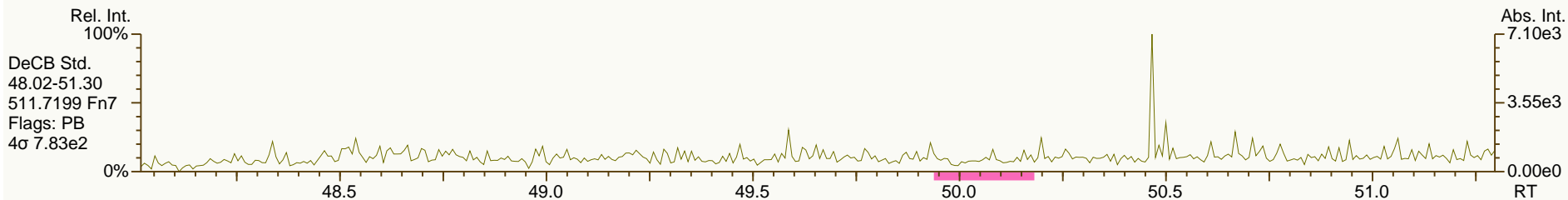
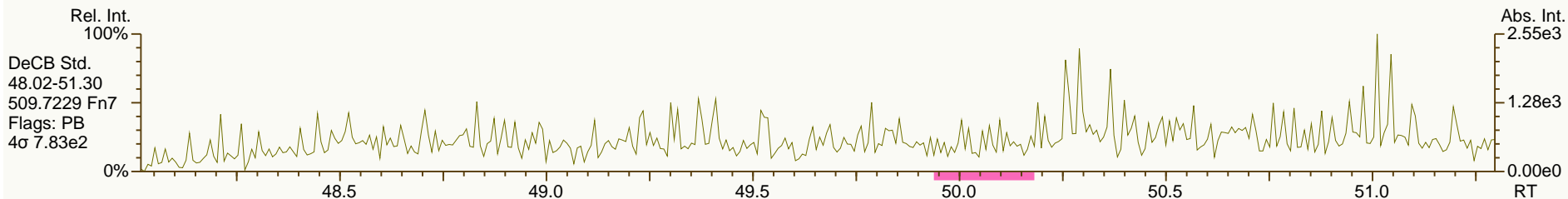
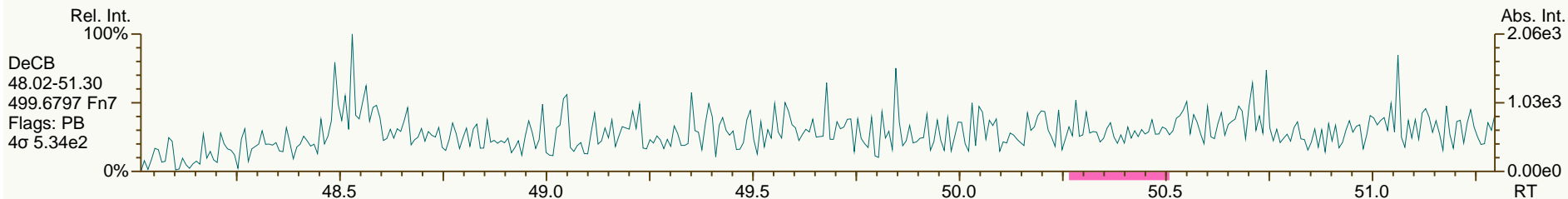
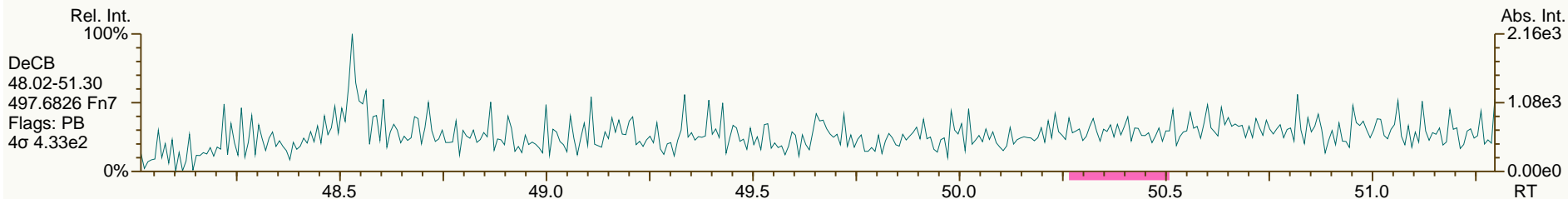
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AP Lab ID: SBS_120126_PCB_SC
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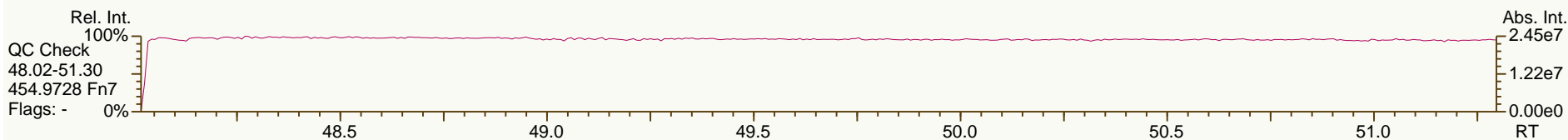
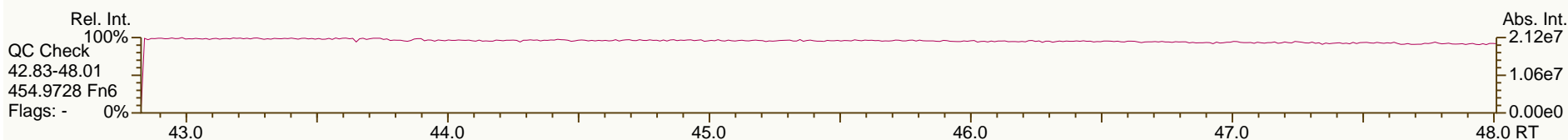
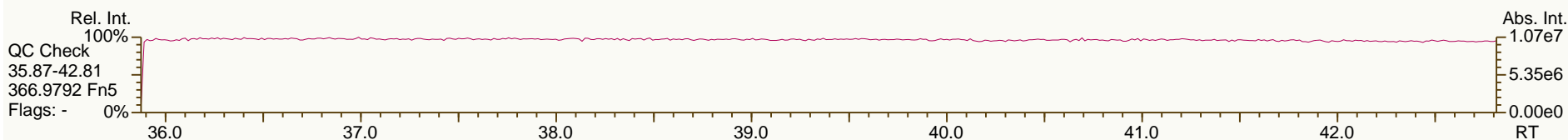
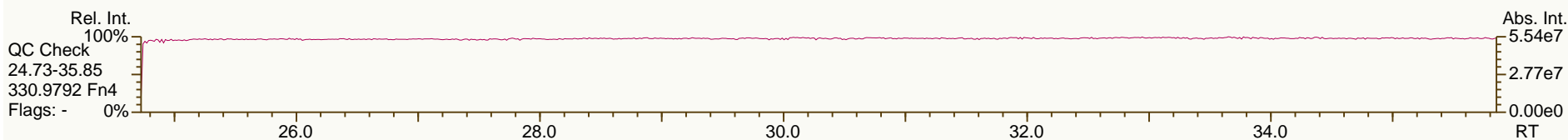
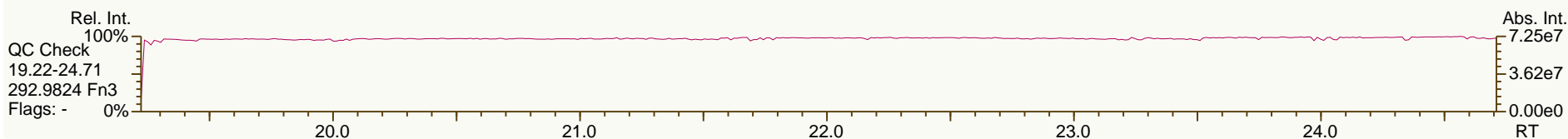
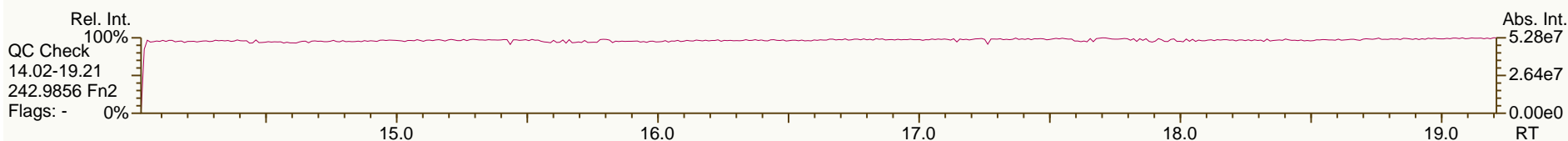
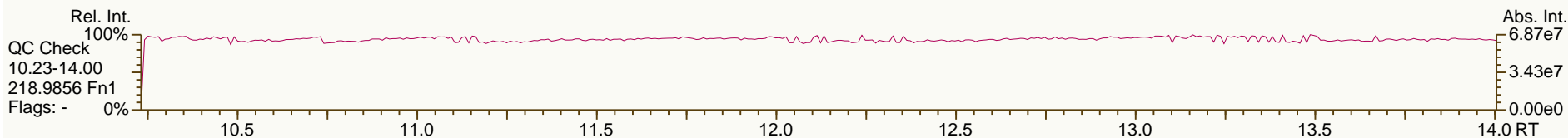
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

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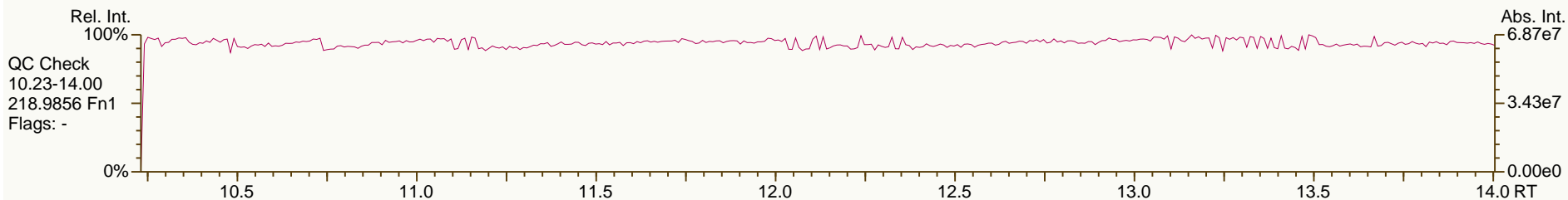
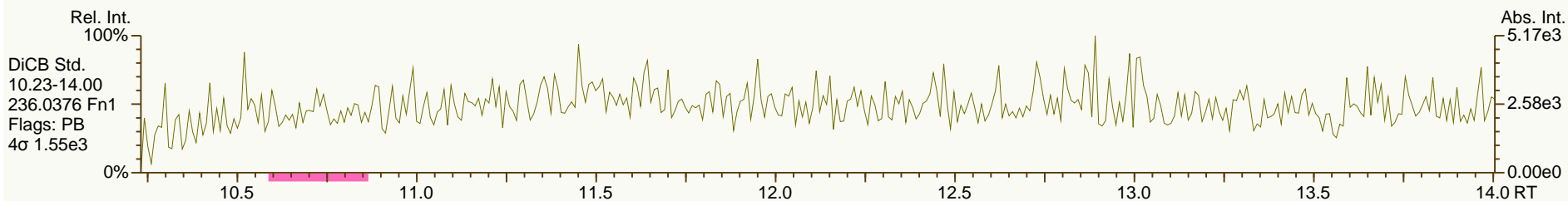
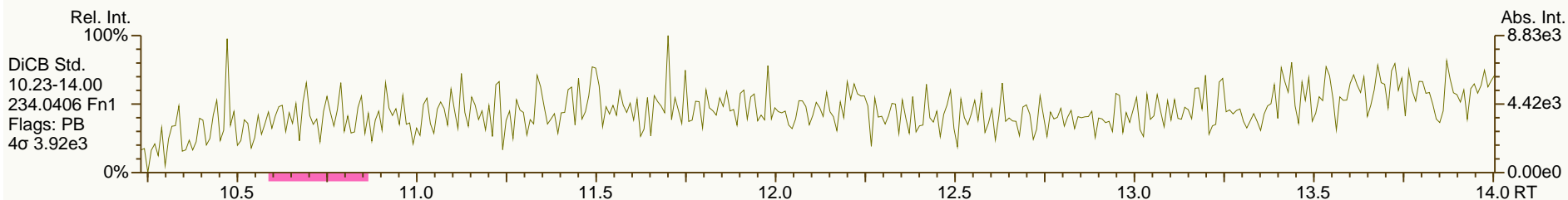
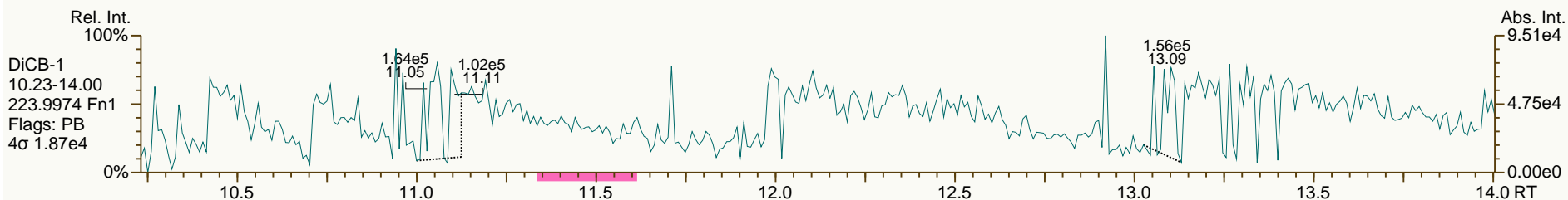
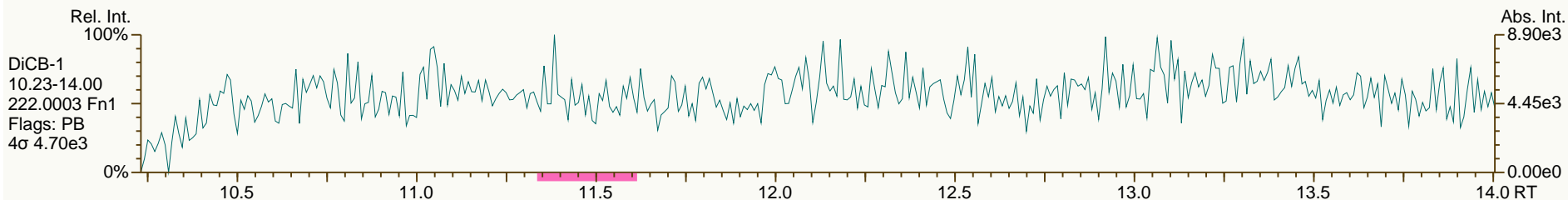
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AP Lab ID: SBS_120126_PCB_SD
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Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SD
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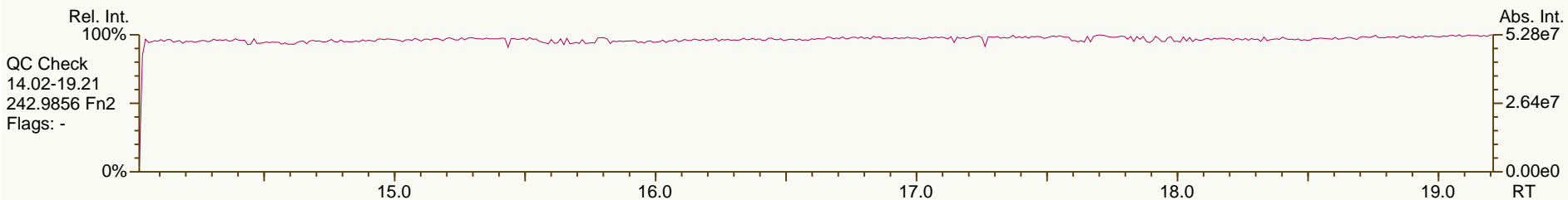
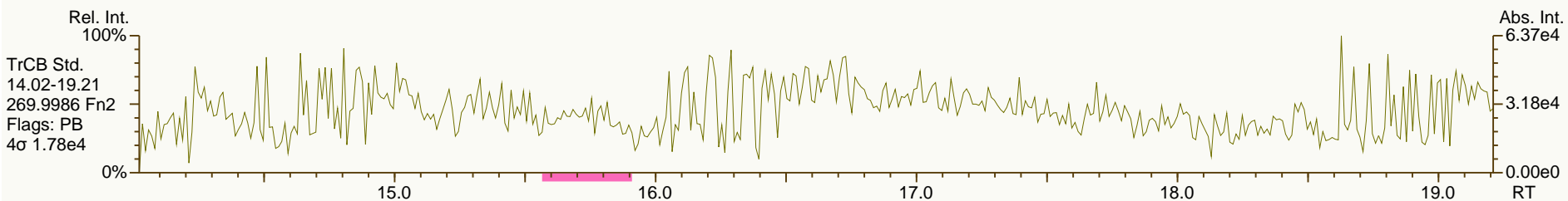
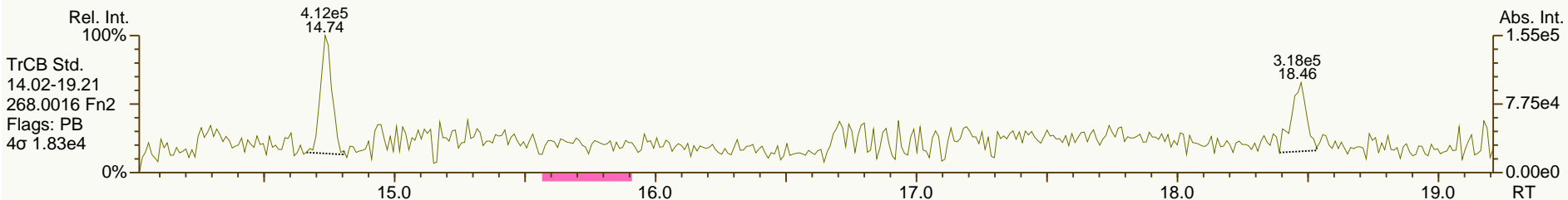
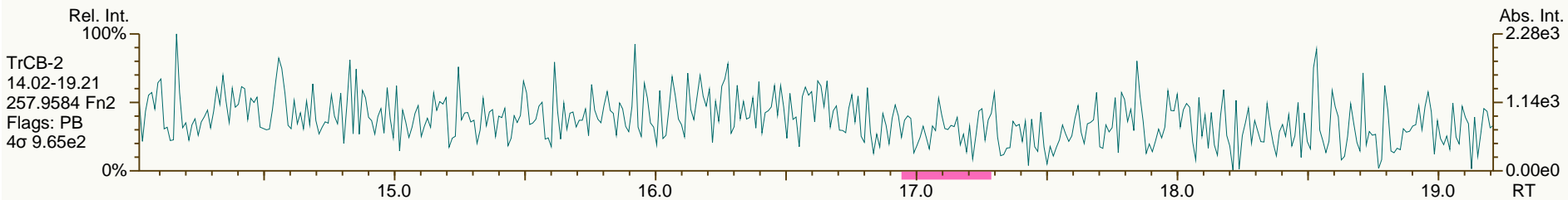
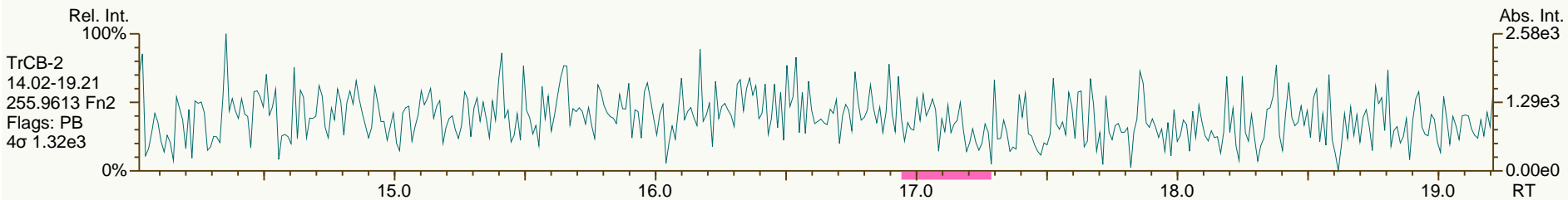
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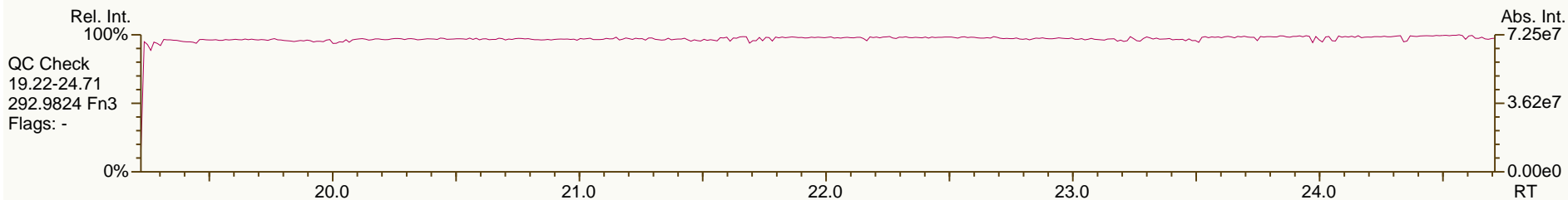
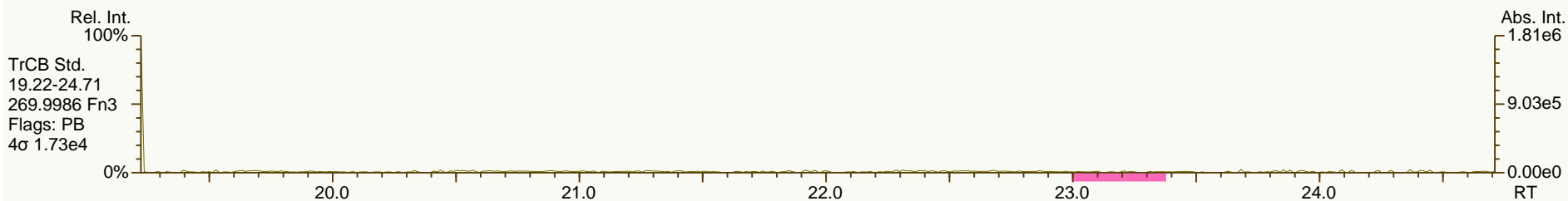
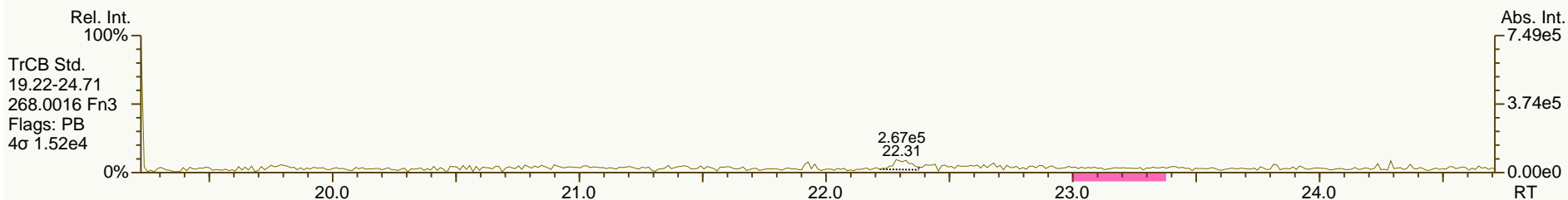
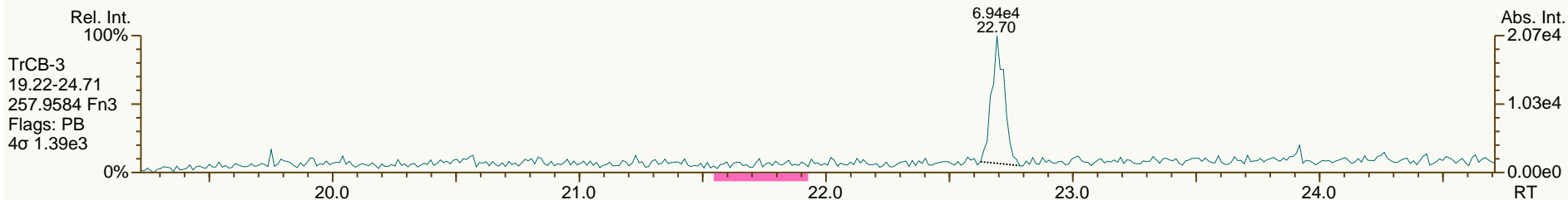
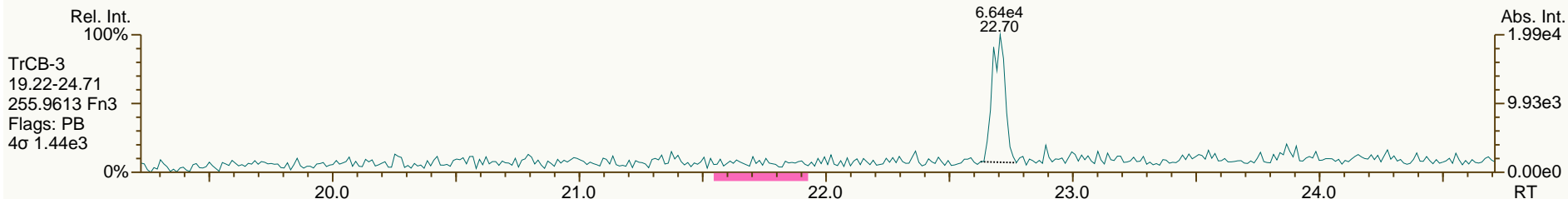
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AP Lab ID: SBS_120126_PCB_SD
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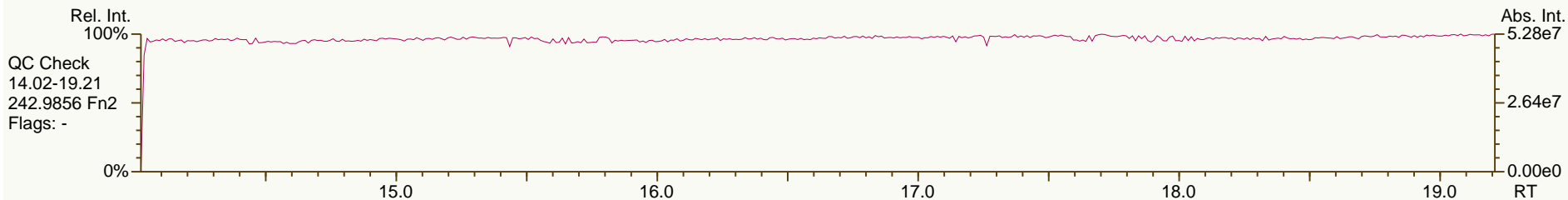
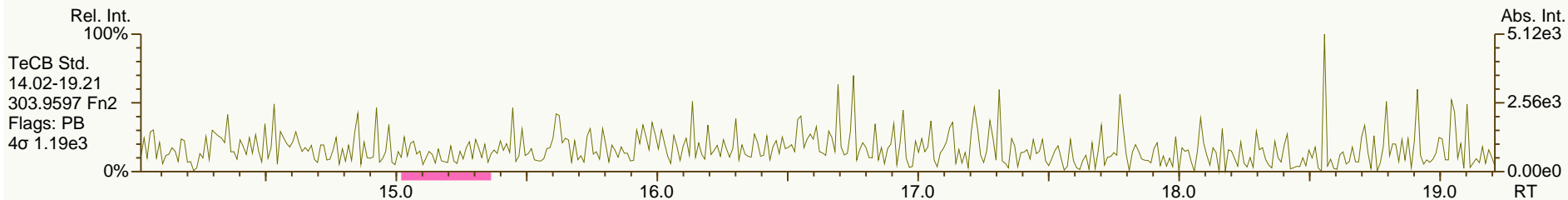
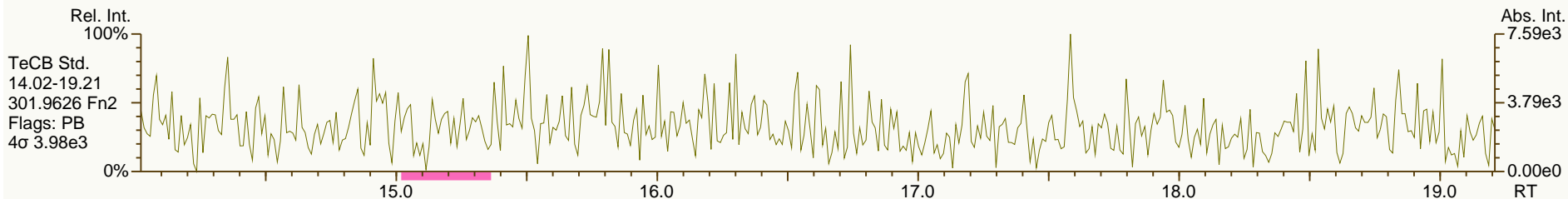
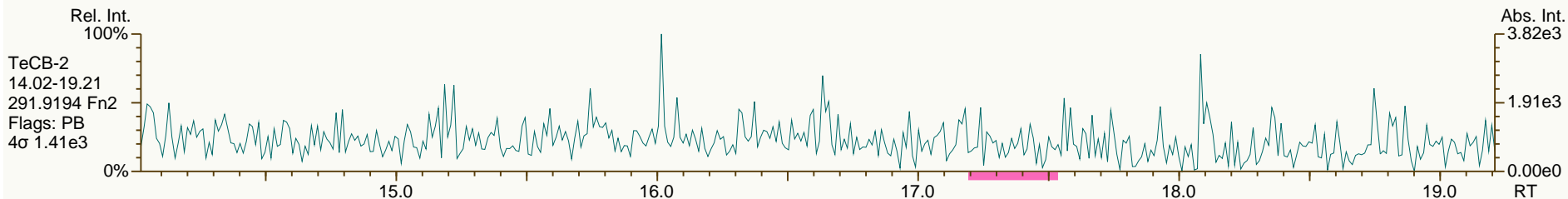
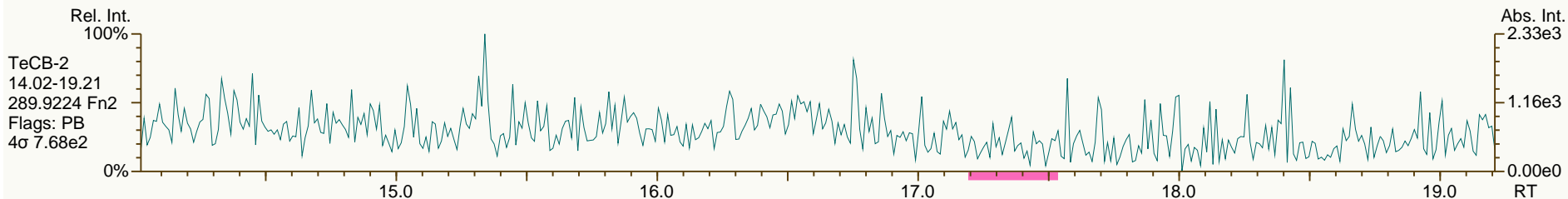
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AP Lab ID: SBS_120126_PCB_SD
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Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

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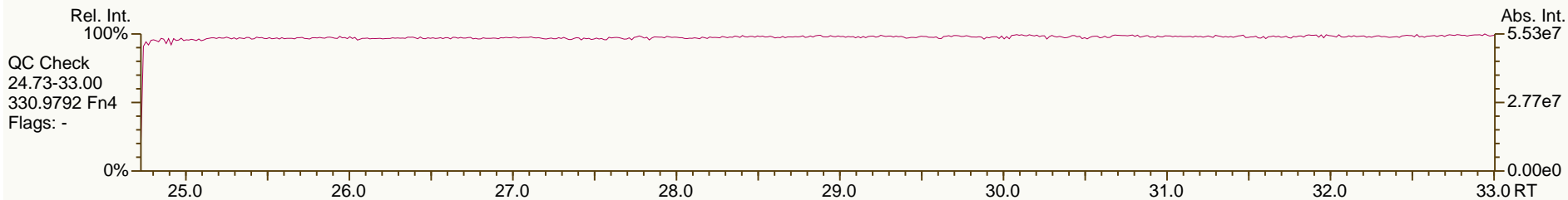
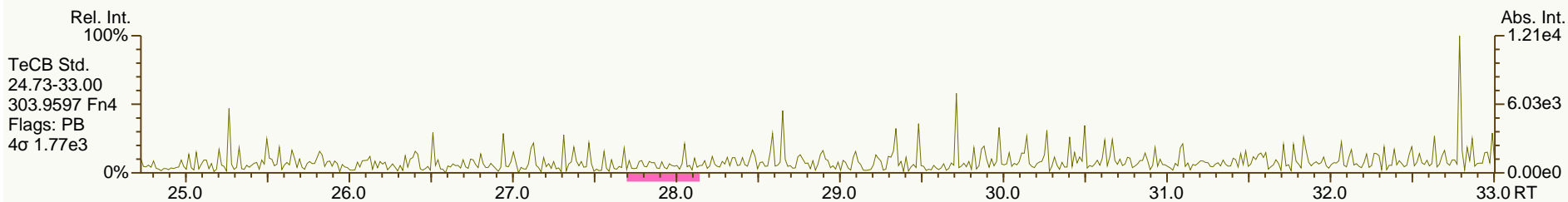
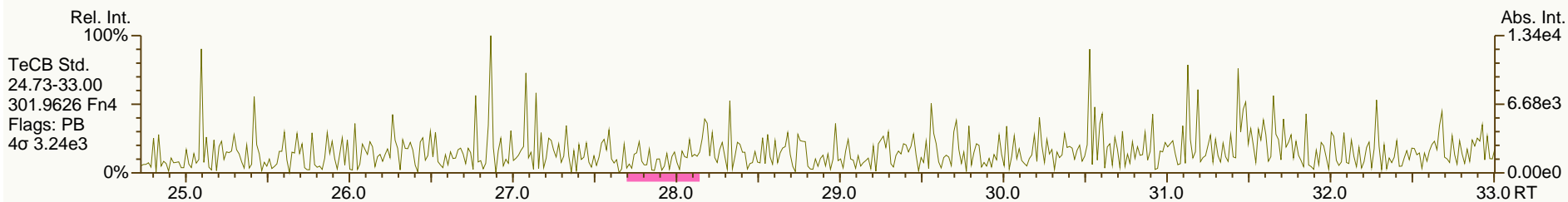
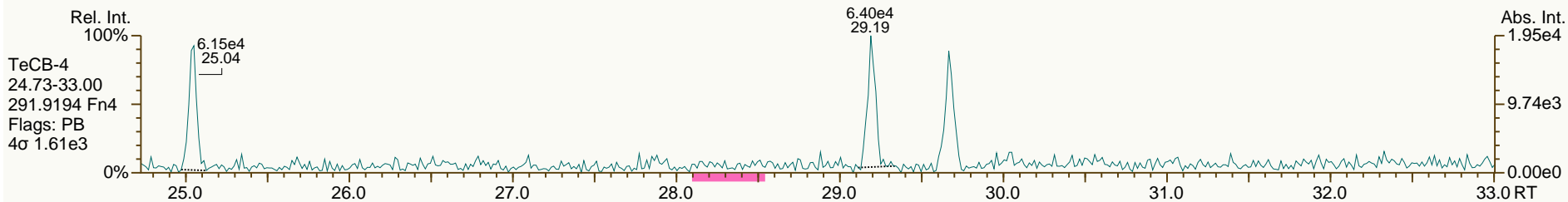
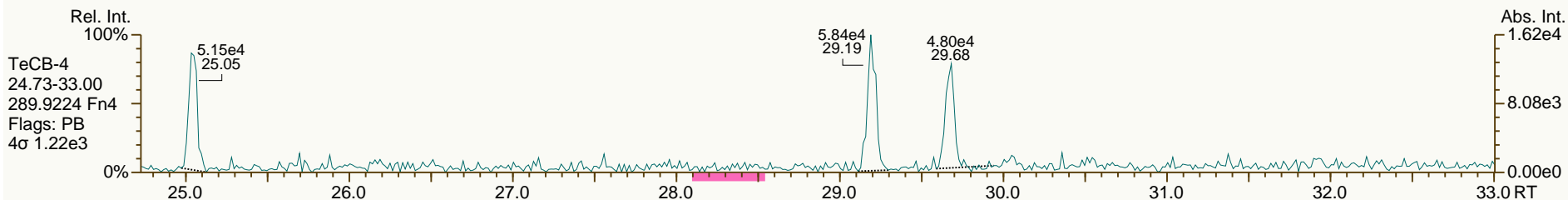
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

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VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

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AP Lab ID: SBS_120126_PCB_SD
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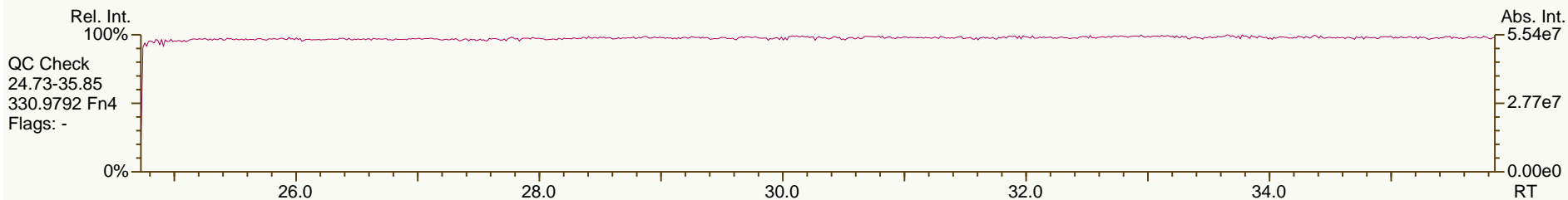
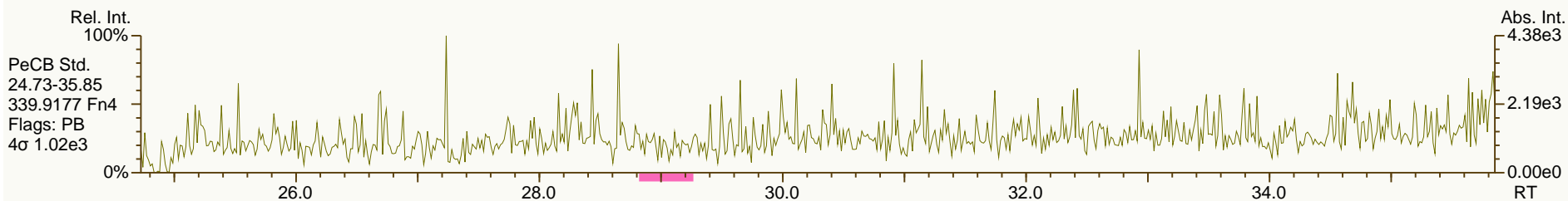
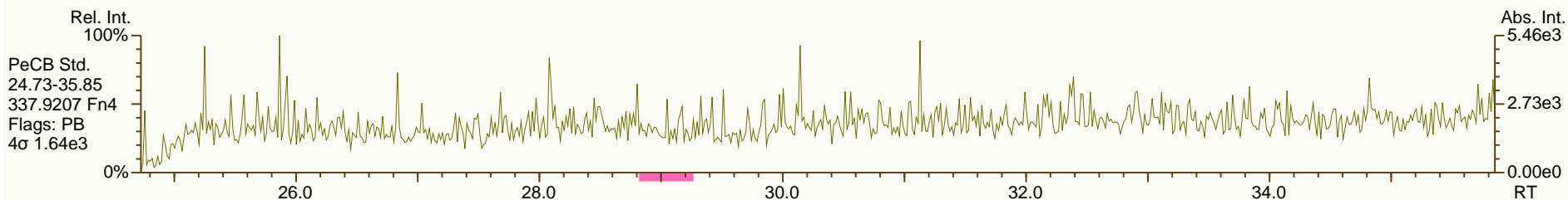
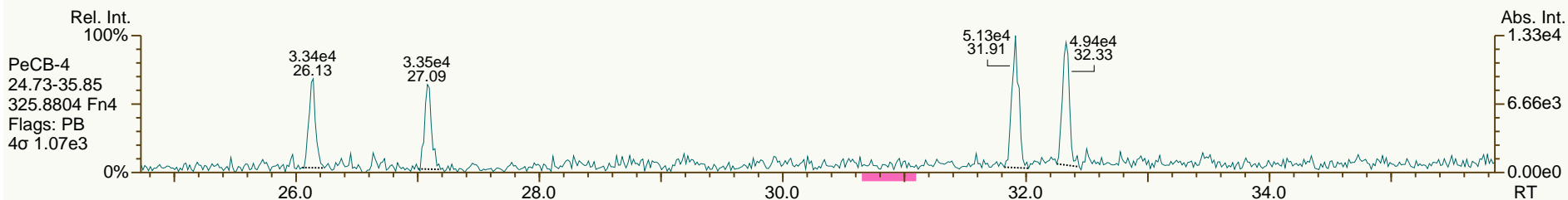
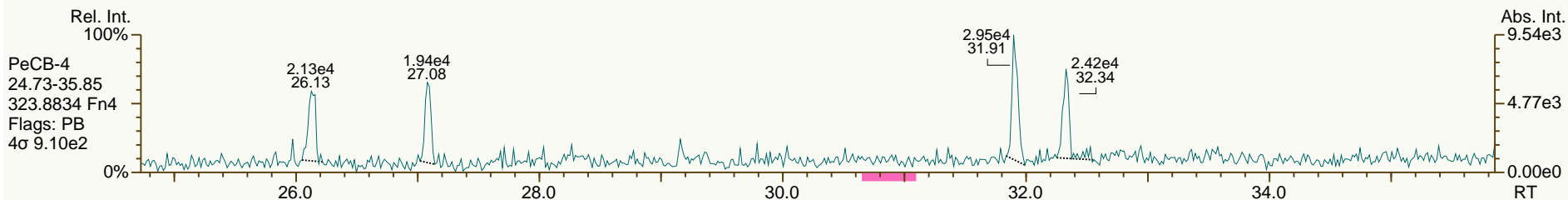
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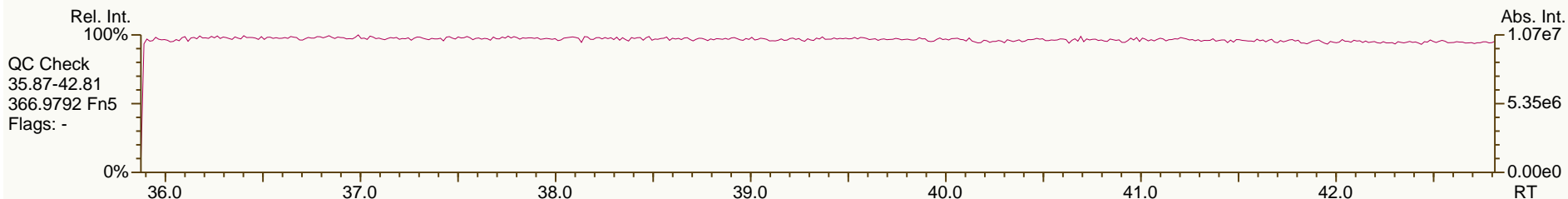
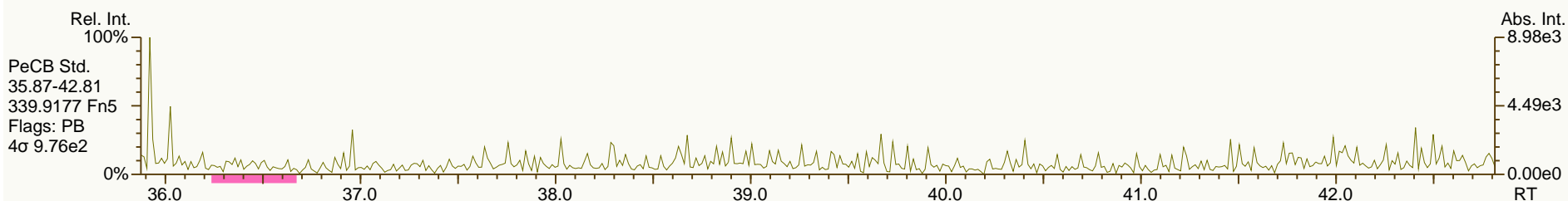
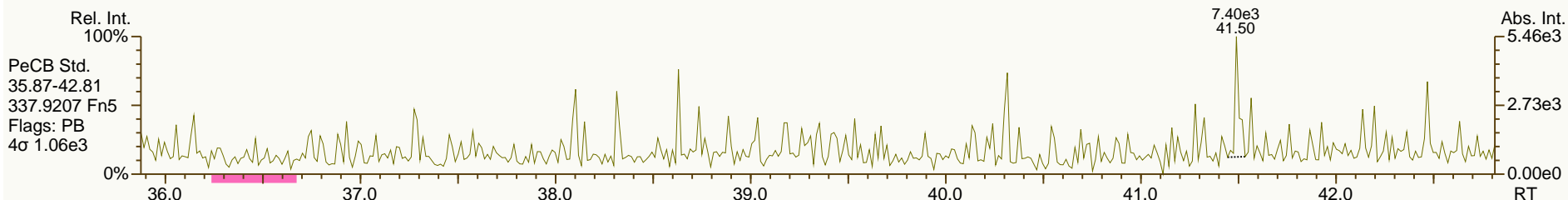
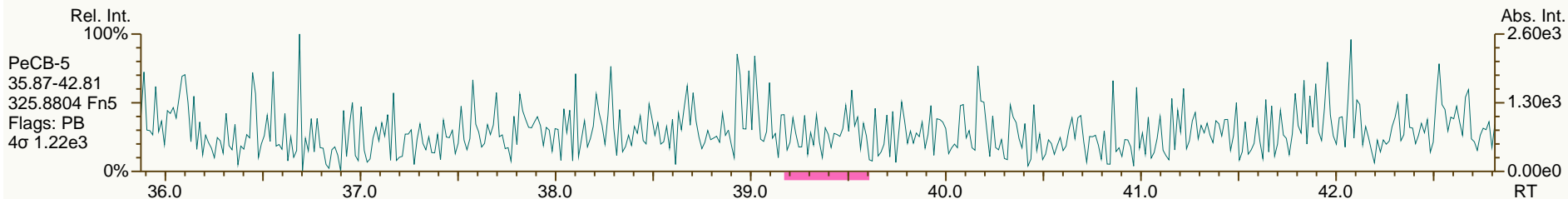
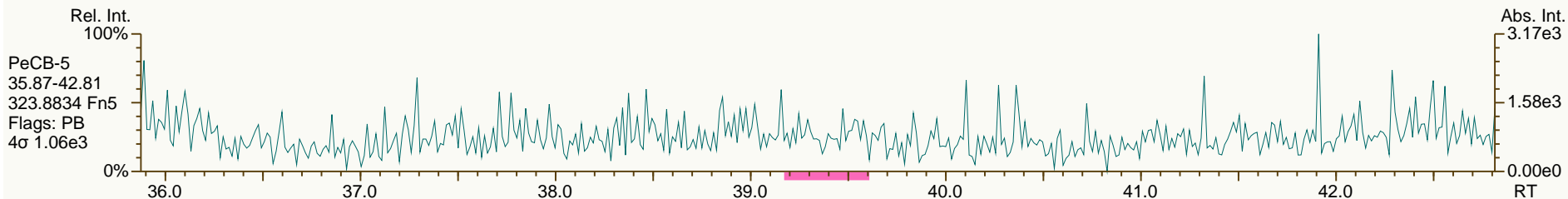
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AP Lab ID: SBS_120126_PCB_SD
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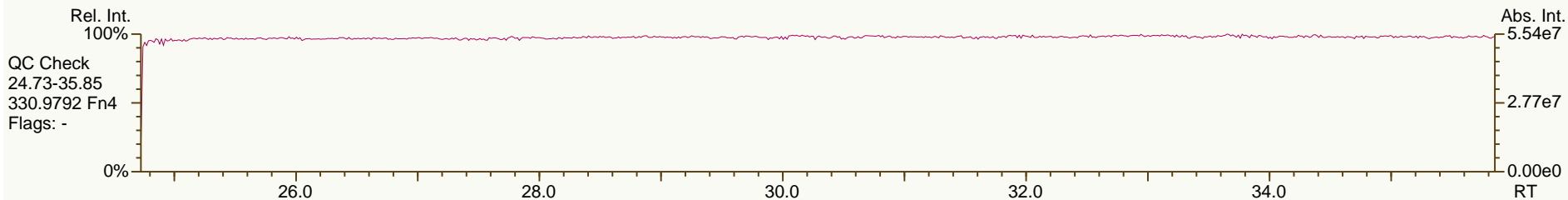
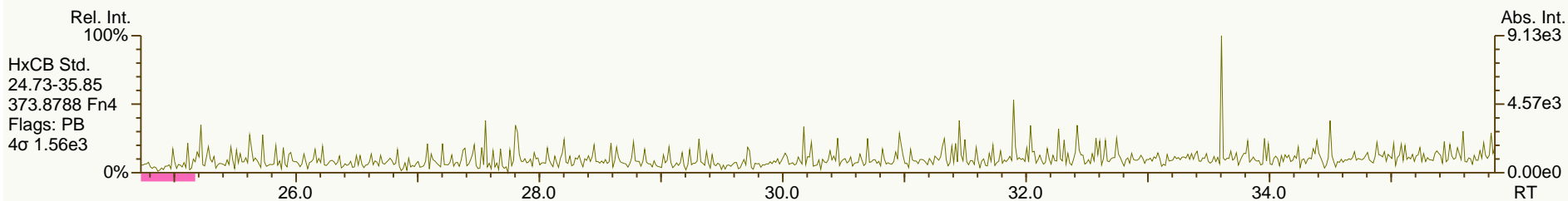
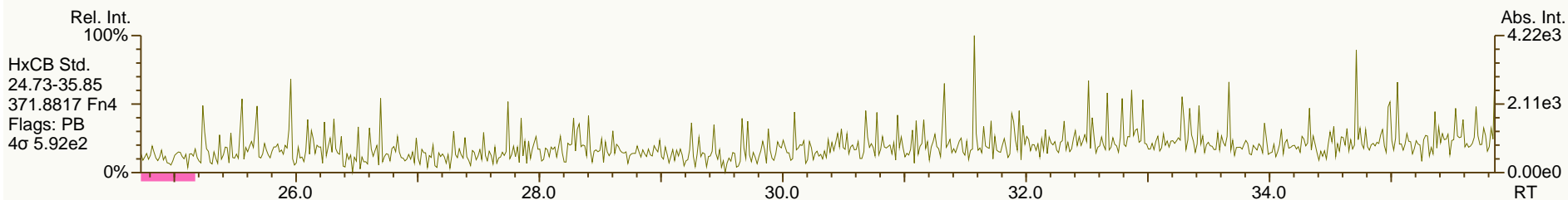
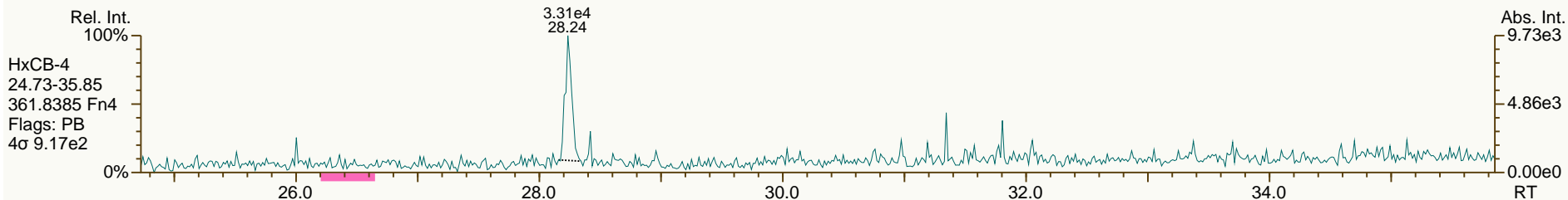
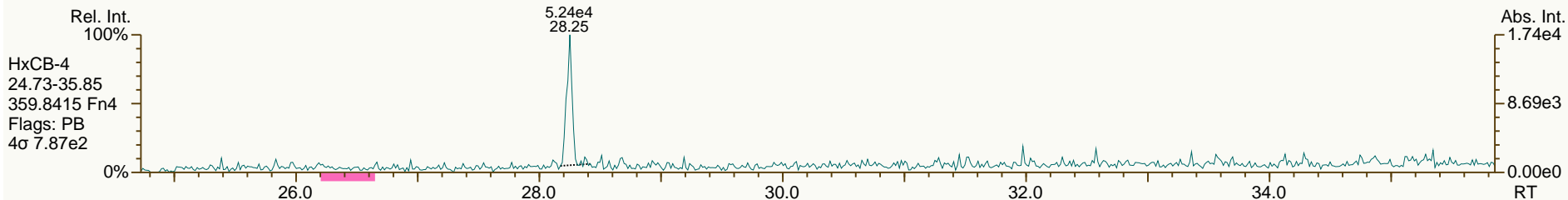
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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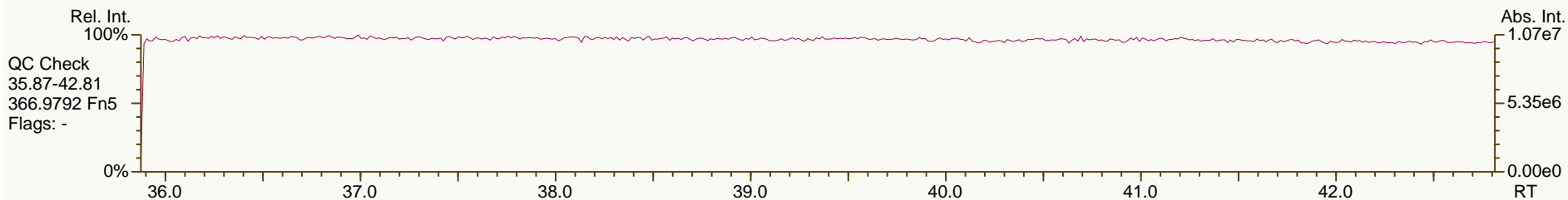
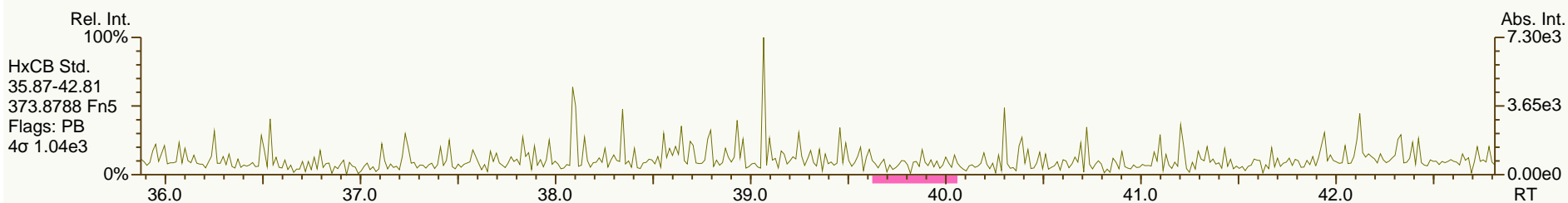
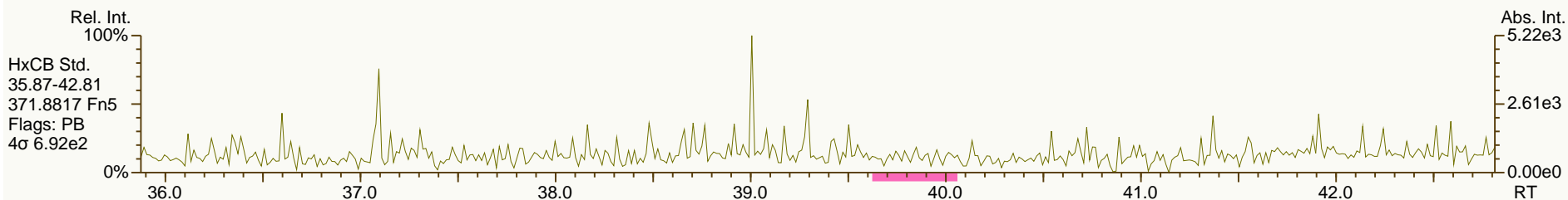
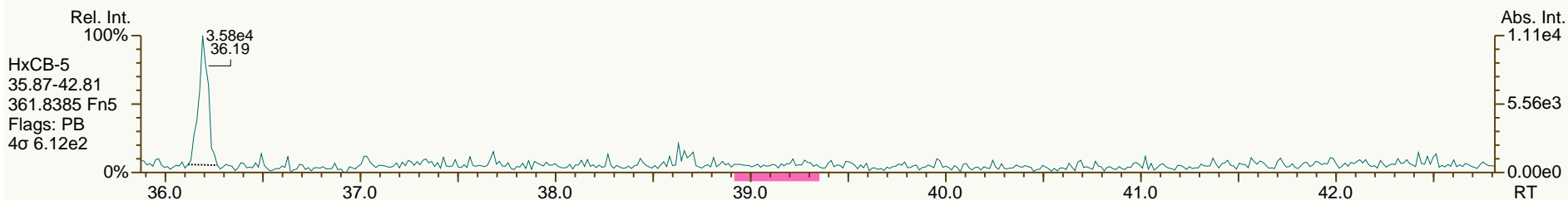
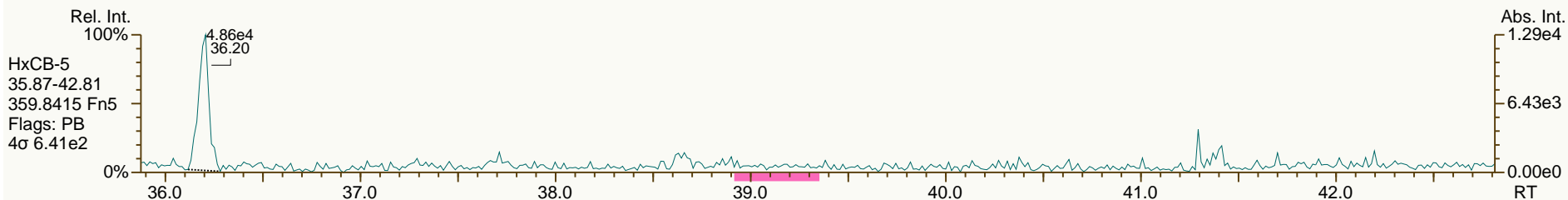
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User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

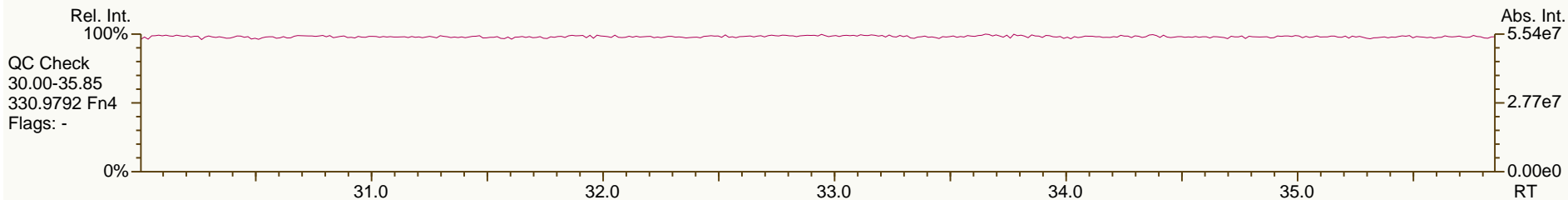
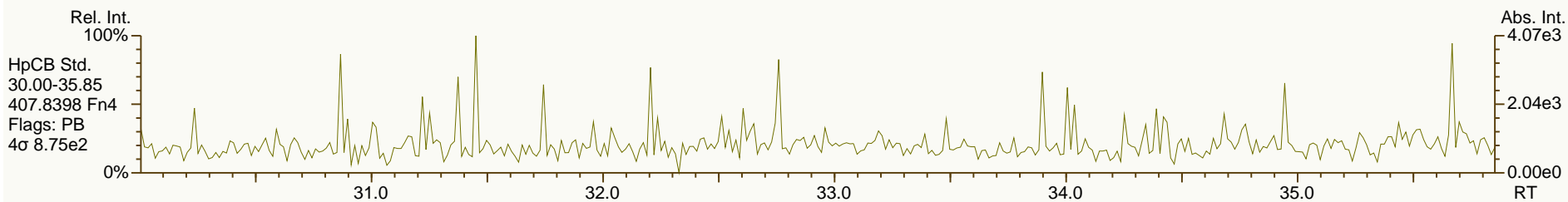
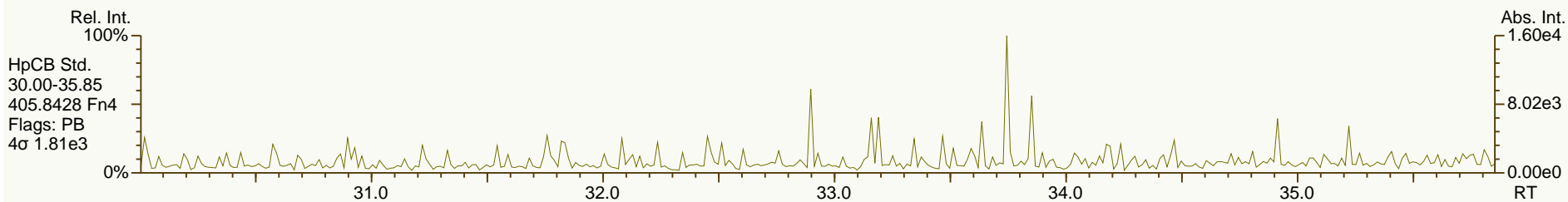
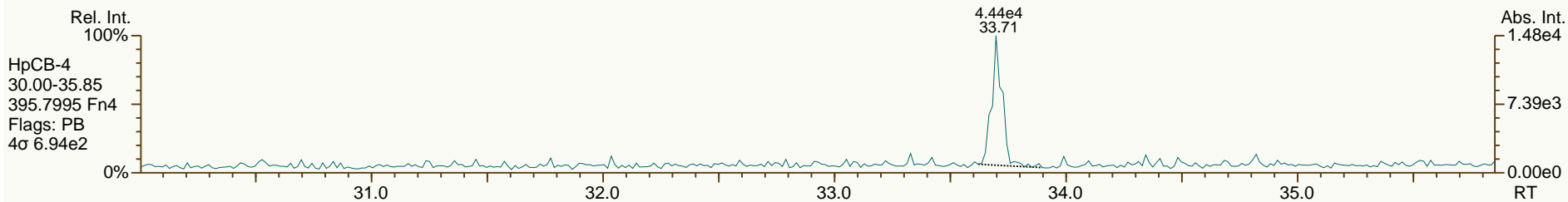
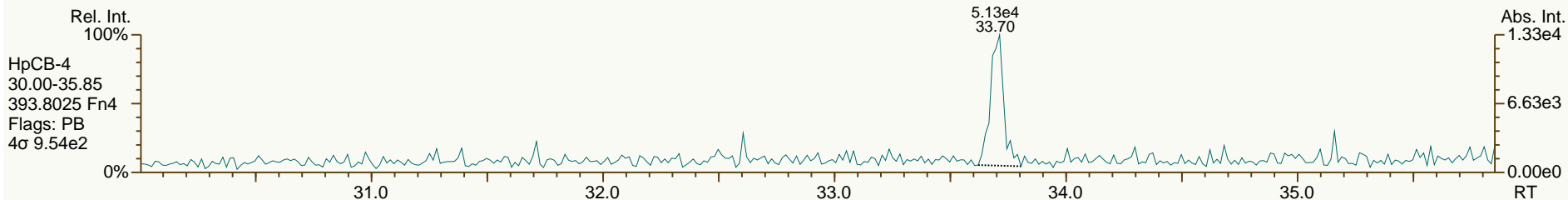
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

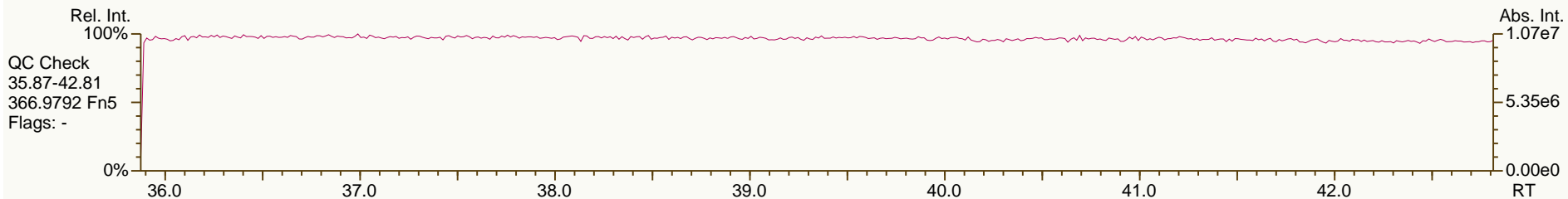
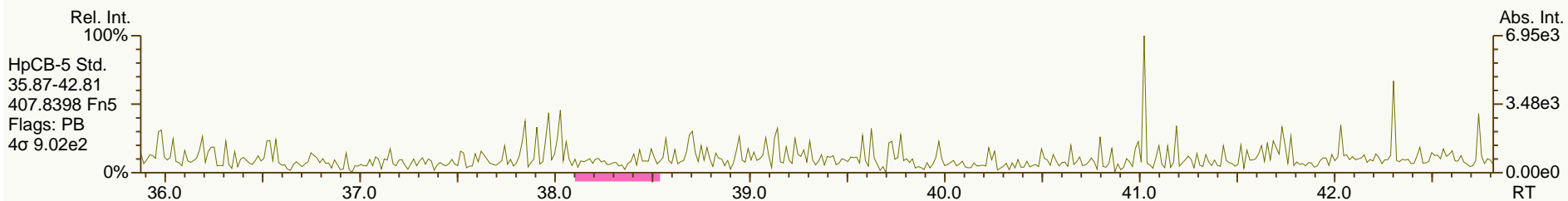
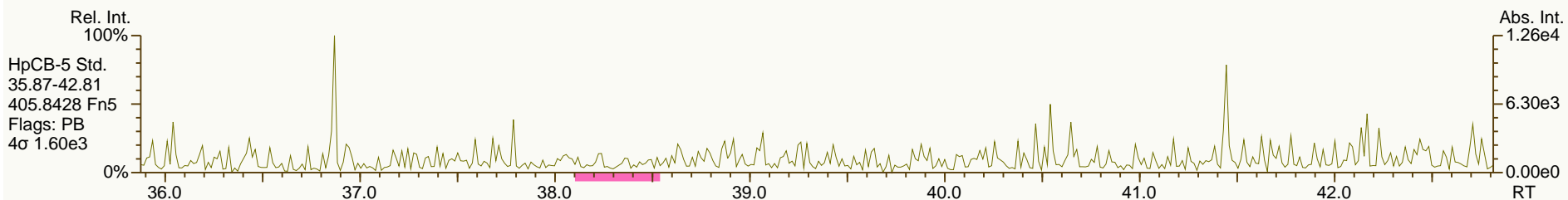
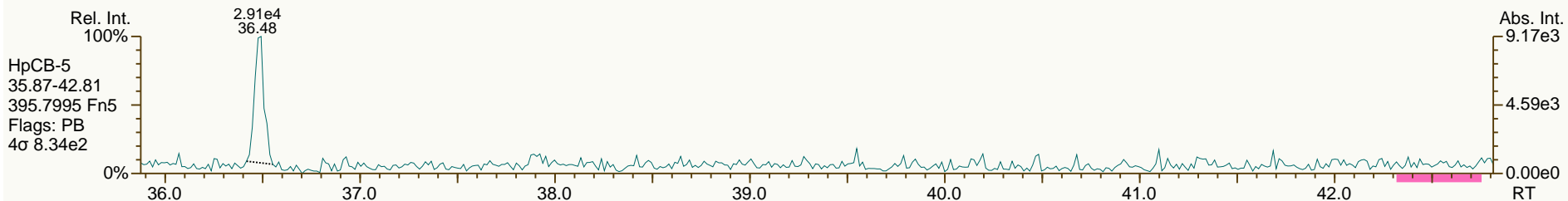
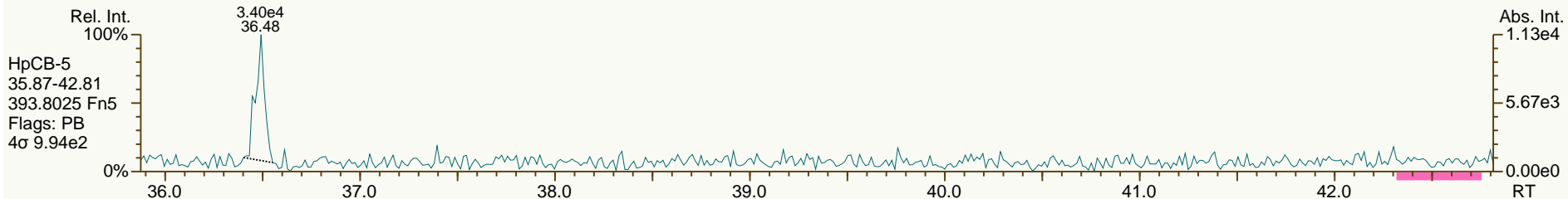
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

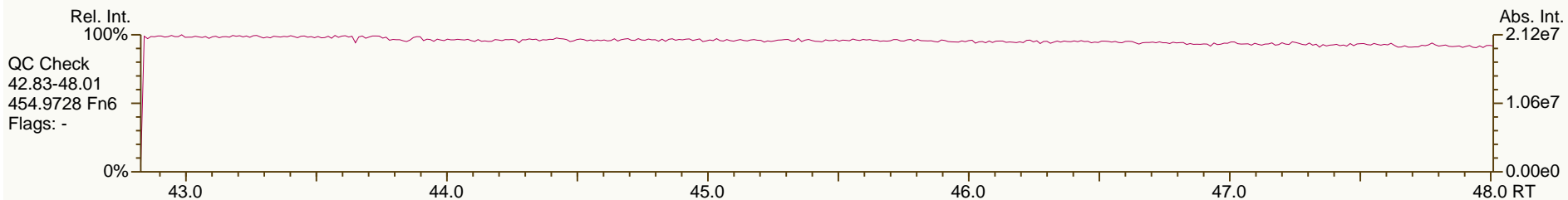
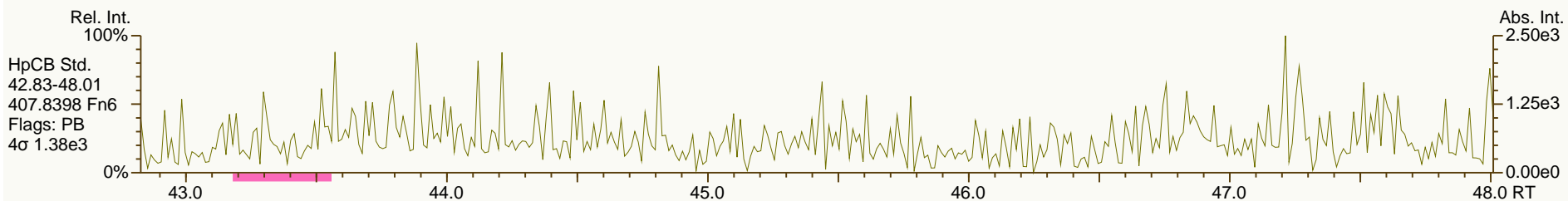
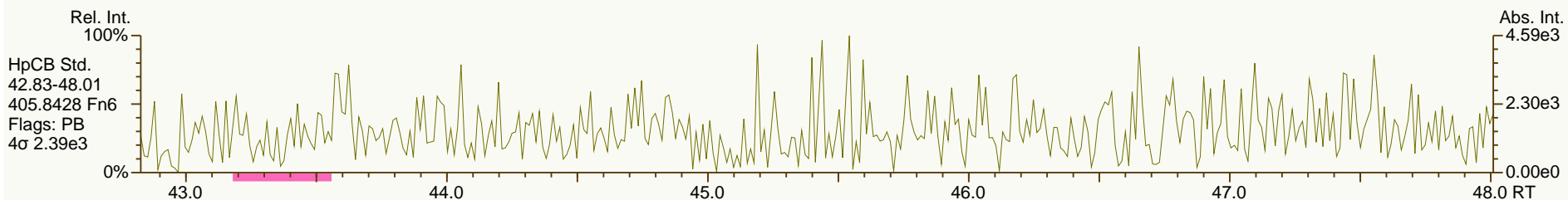
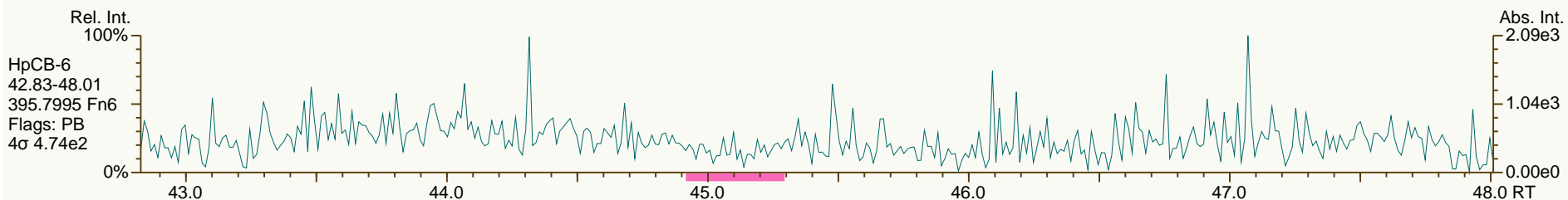
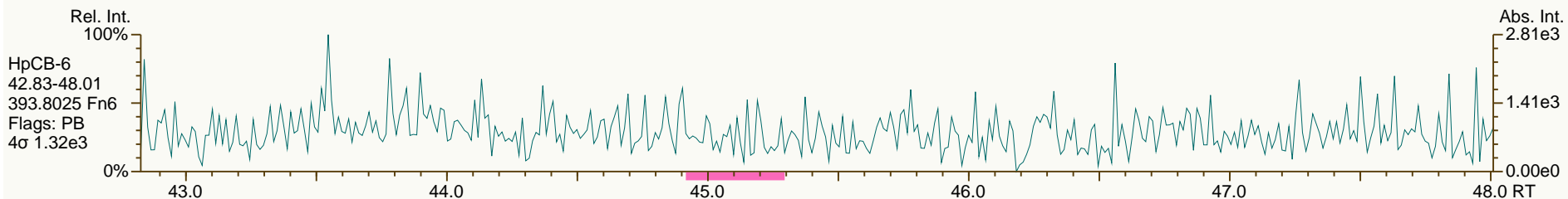
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

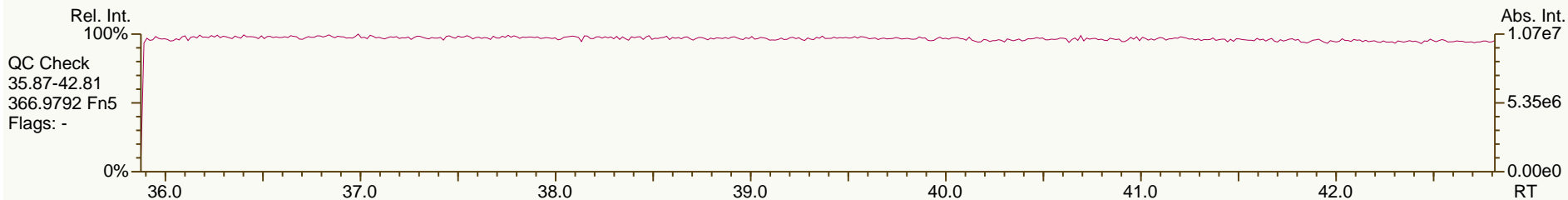
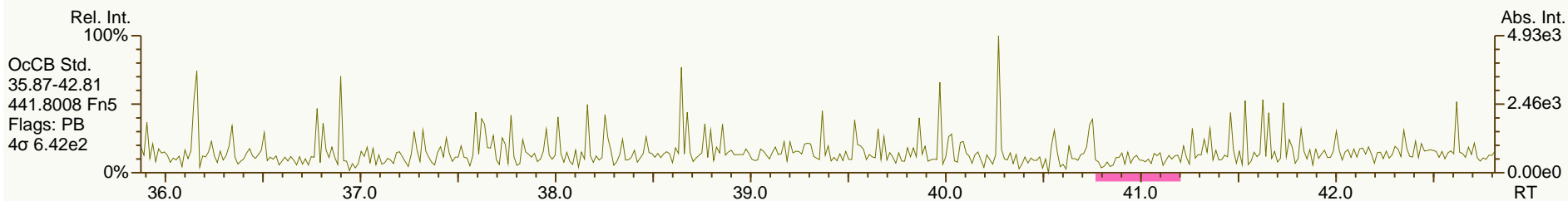
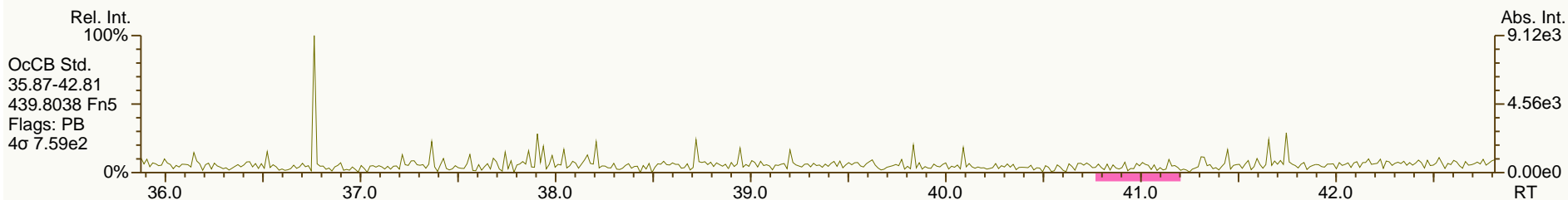
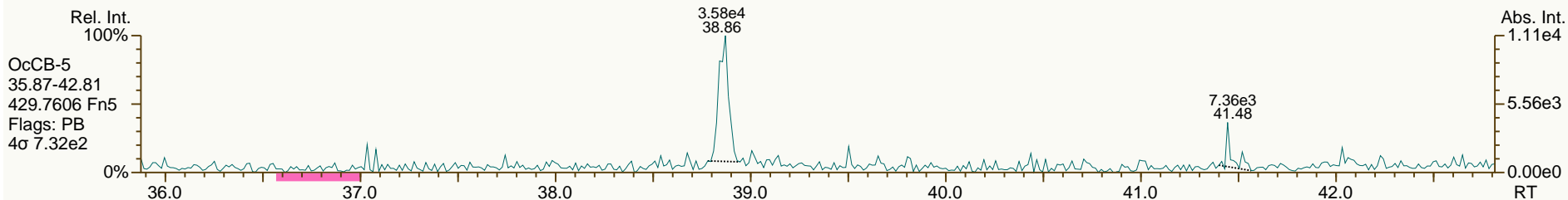
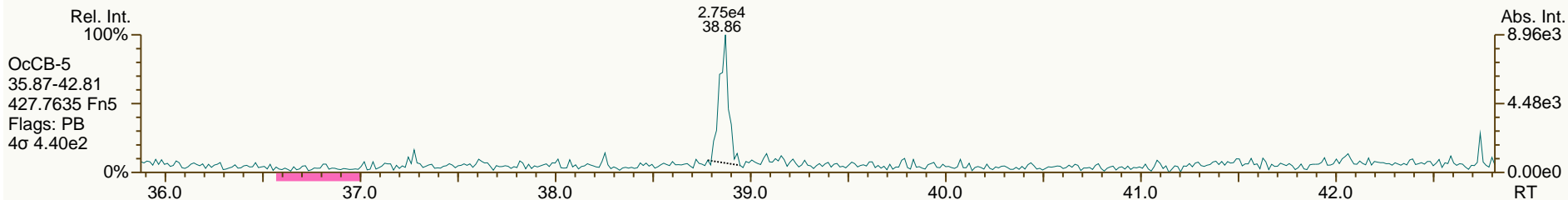
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AP Lab ID: SBS_120126_PCB_SD
Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

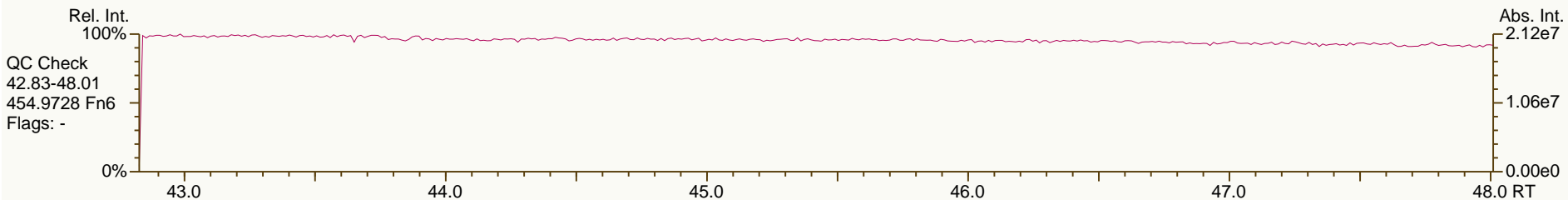
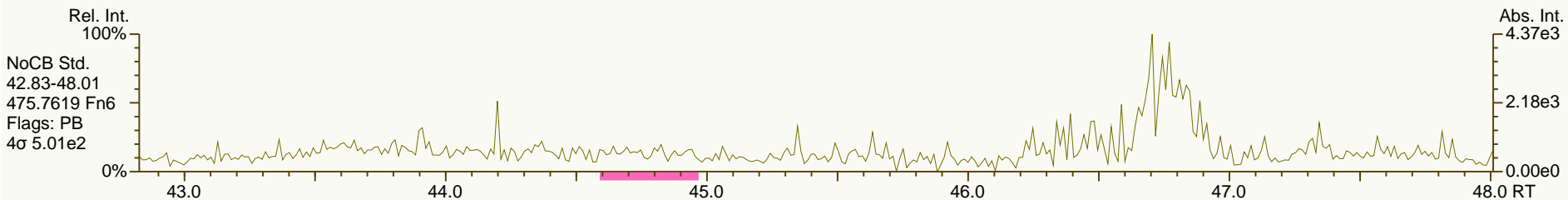
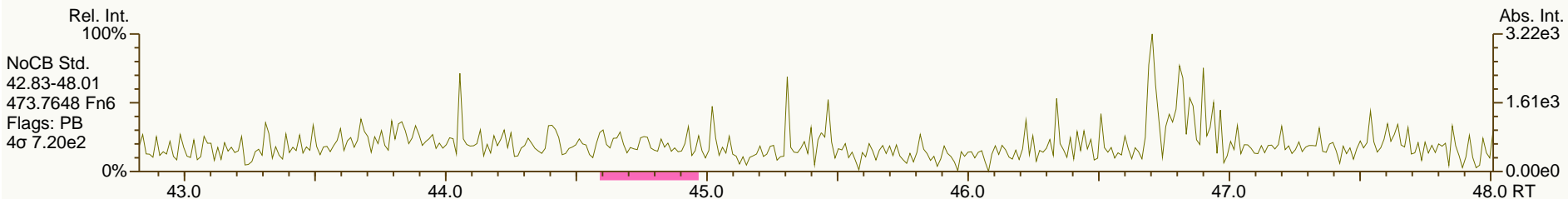
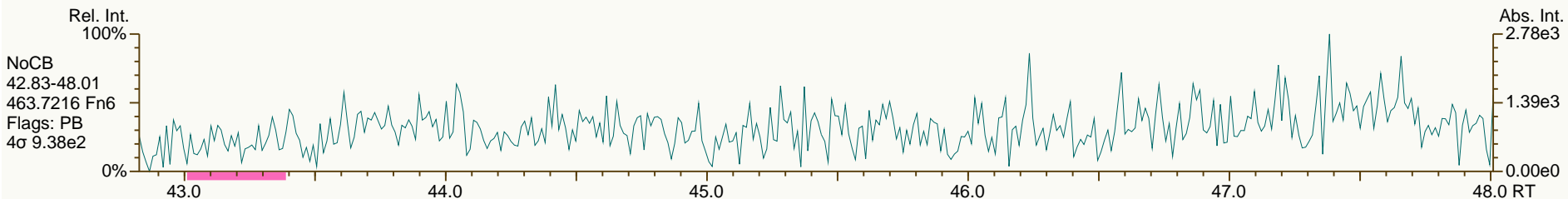
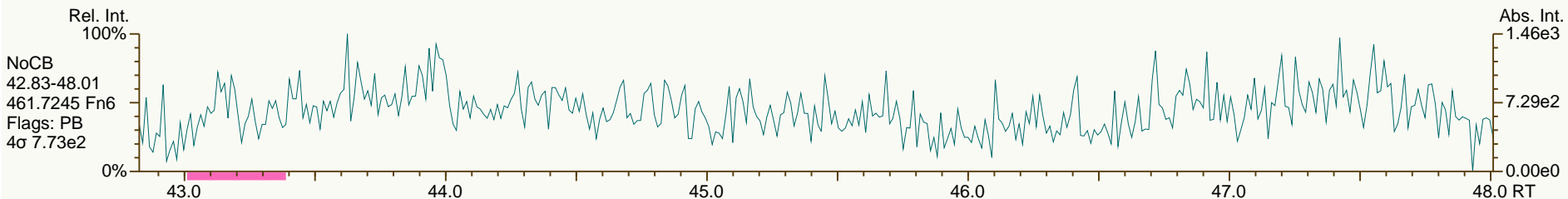
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AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2011-08 GC: pcb90_a Vial: 12

Acq: 26-Jan-2012 23:40:57
 User: CTW Datafile: 120126S11



AP Lab ID: SBS_120126_PCB_SD
 Instr: AutoSpec-Ultima MM4

Sample ID: SIL 9-41-1
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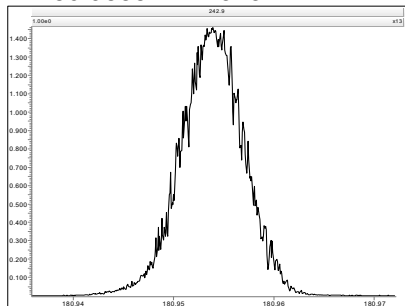
Experiment Calibration Report

MassLynx 4.1

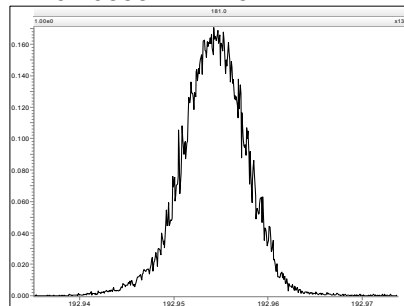
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Printed: Thursday, January 26, 2012 15:11:21 Eastern Standard Time

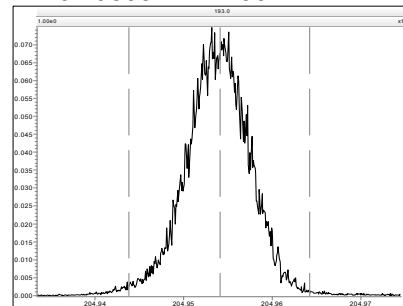
M 180.9888 R 12375



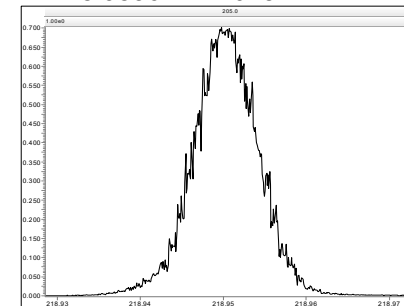
M 192.9888 R 12131



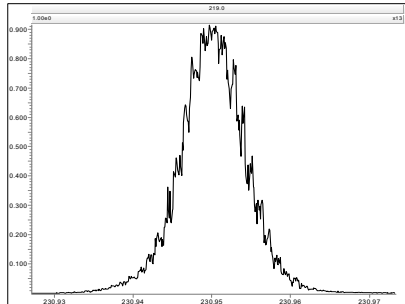
M 204.9888 R 11738



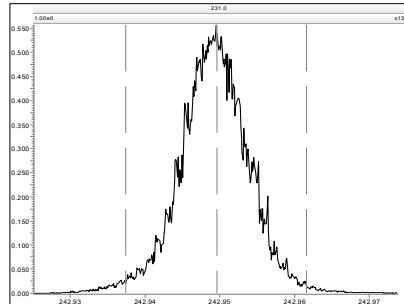
M 218.9856 R 12018



M 230.9856 R 11261



M 242.9856 R 10636



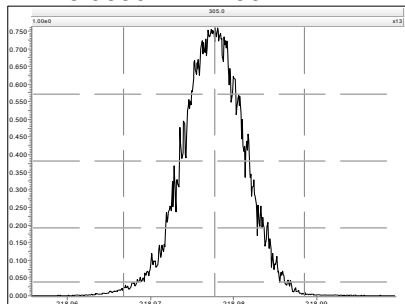
Experiment Calibration Report

MassLynx 4.1

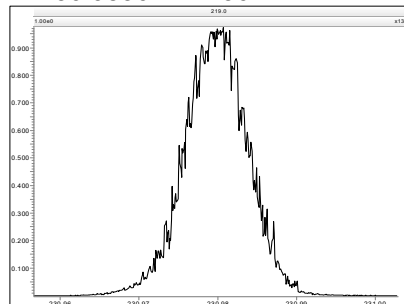
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Printed: Thursday, January 26, 2012 15:11:50 Eastern Standard Time

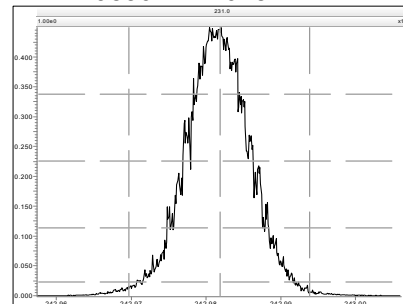
M 218.9856 R 12195



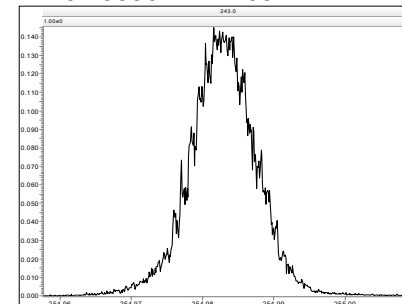
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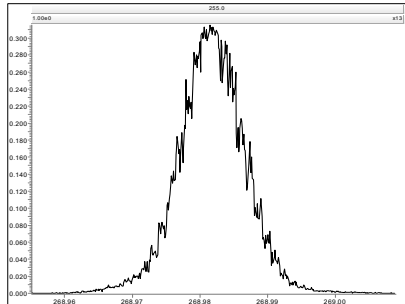
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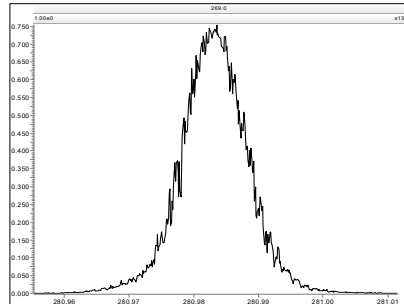
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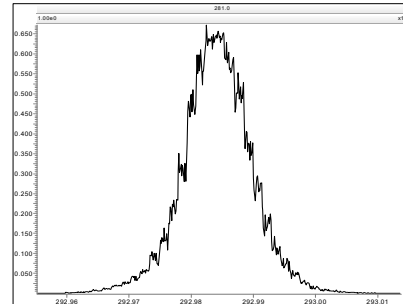
M 268.9824 R 11626



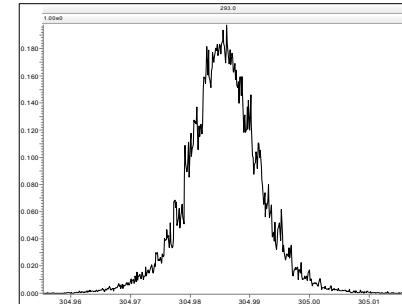
M 280.9824 R 11678



M 292.9824 R 10730



M 304.9824 R 10502



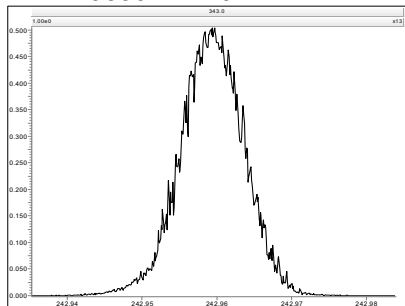
Experiment Calibration Report

MassLynx 4.1

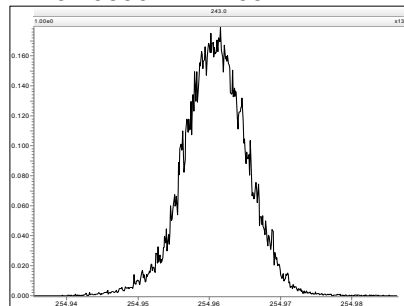
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Printed: Thursday, January 26, 2012 15:12:17 Eastern Standard Time

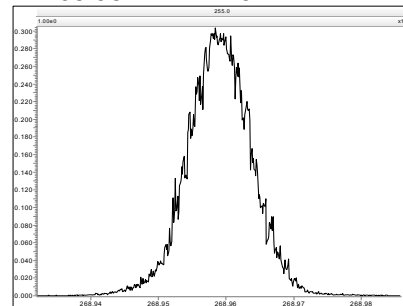
M 242.9856 R 12624



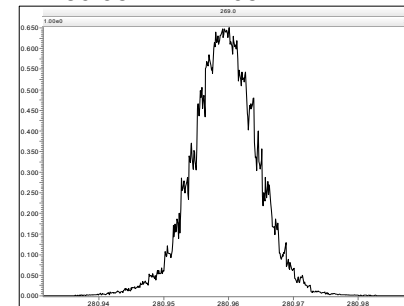
M 254.9856 R 12135



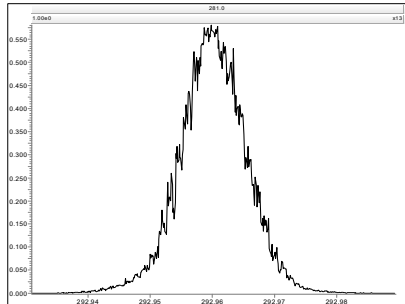
M 268.9824 R 12252



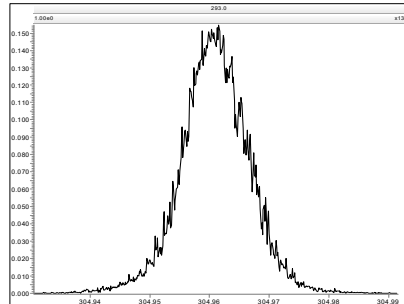
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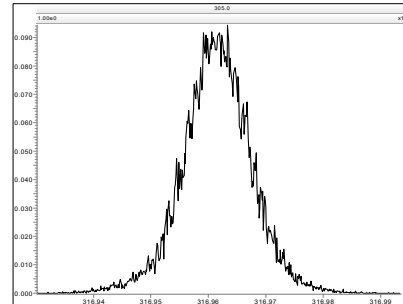
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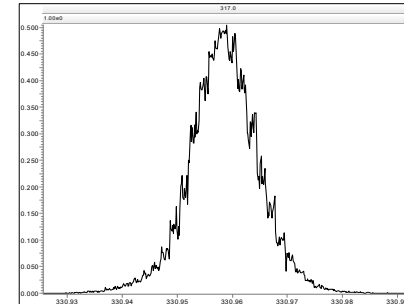
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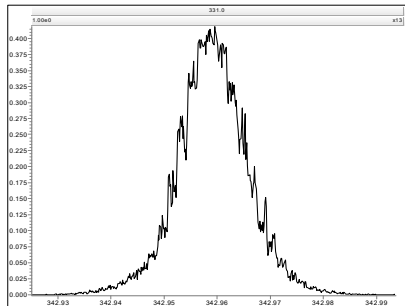
M 316.9824 R 11416



M 330.9792 R 11110



M 342.9792 R 10596



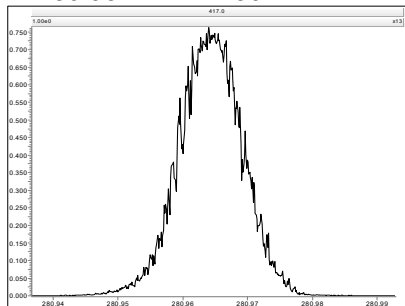
Experiment Calibration Report

MassLynx 4.1

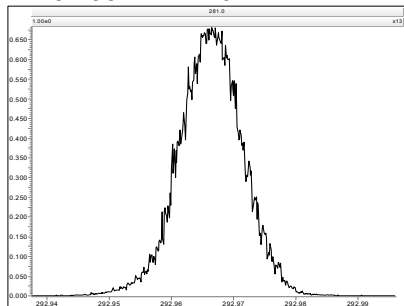
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Printed: Thursday, January 26, 2012 15:12:58 Eastern Standard Time

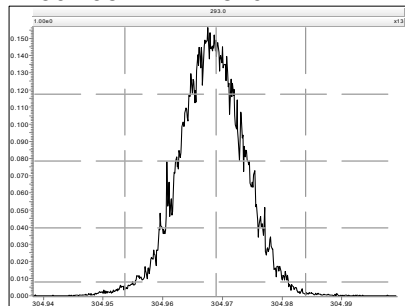
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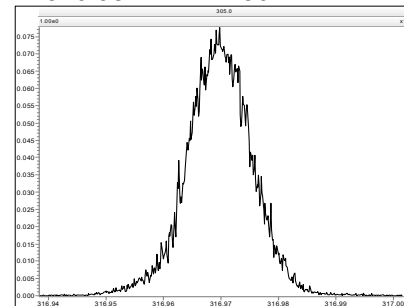
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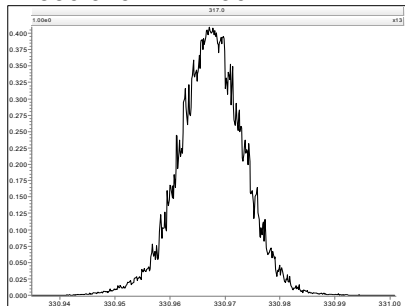
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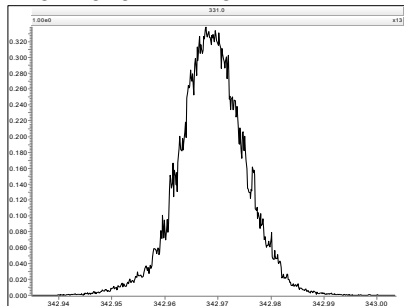
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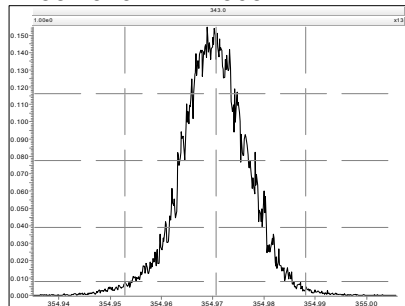
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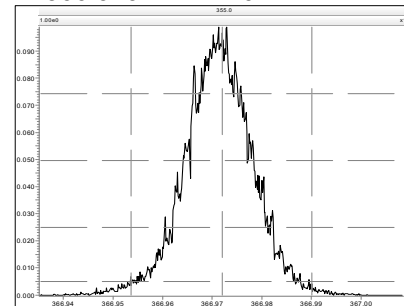
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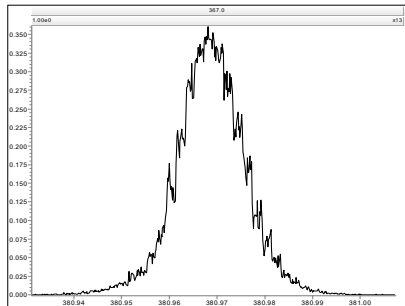
M 354.9792 R 11365



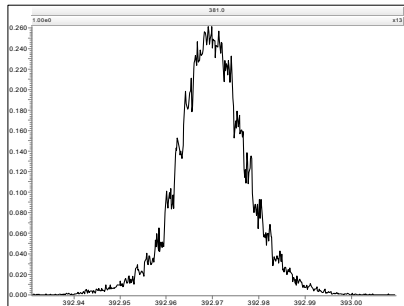
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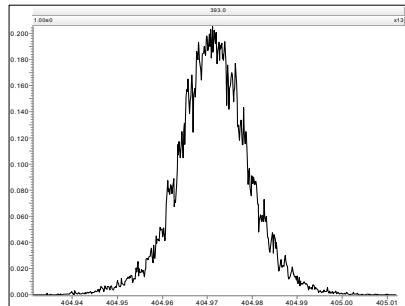
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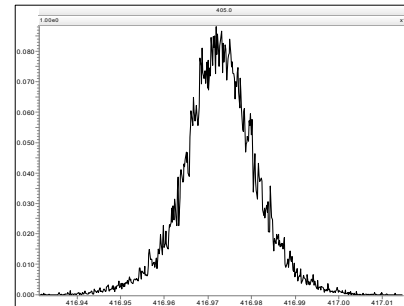
M 392.9760 R 11313



M 404.9760 R 10504



M 416.9760 R 10821



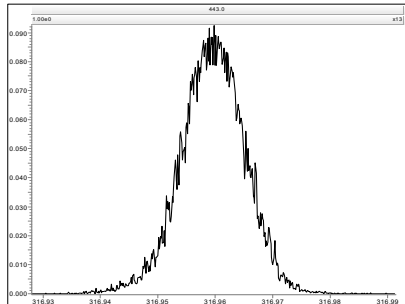
Experiment Calibration Report

MassLynx 4.1

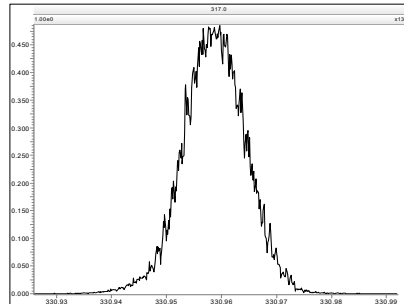
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Printed: Thursday, January 26, 2012 15:13:39 Eastern Standard Time

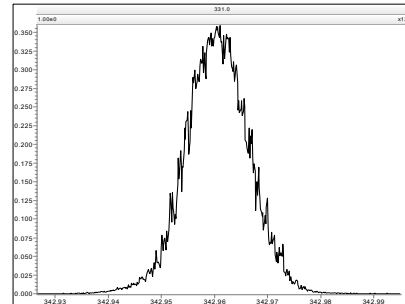
M 316.9824 R 12821



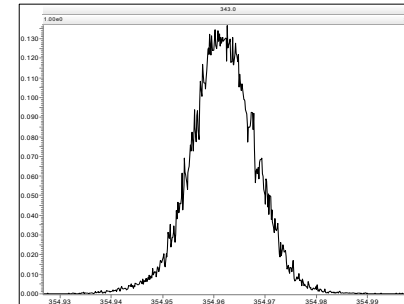
M 330.9792 R 12254



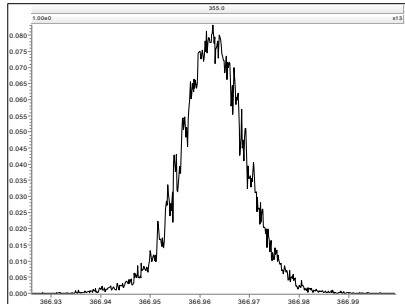
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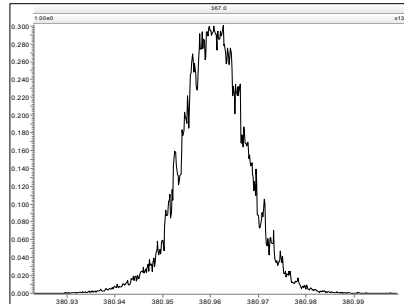
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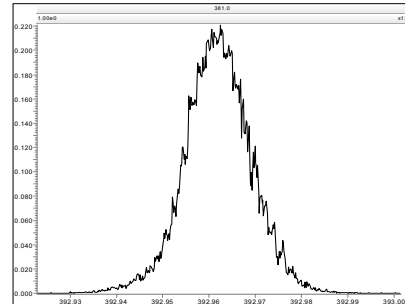
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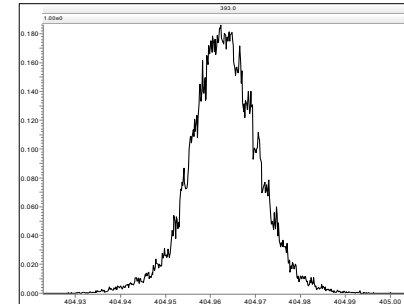
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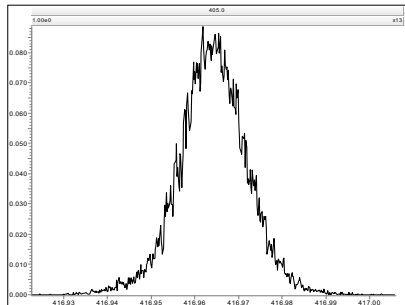
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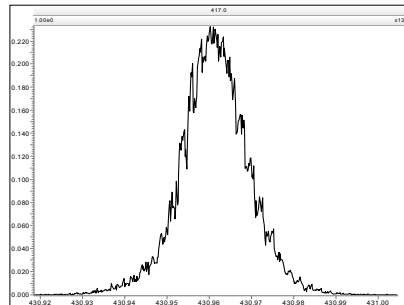
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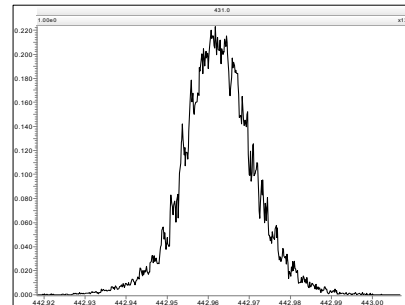
M 416.9760 R 11576



M 430.9728 R 11063



M 442.9728 R 11160



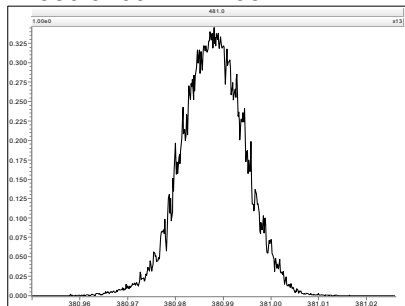
Experiment Calibration Report

MassLynx 4.1

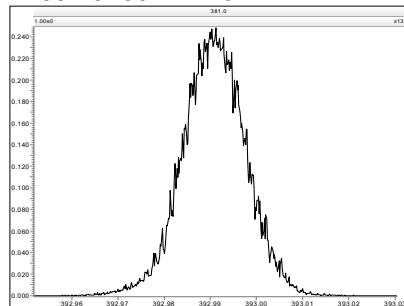
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Printed: Thursday, January 26, 2012 15:14:09 Eastern Standard Time

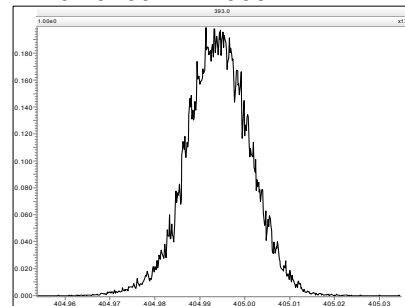
M 380.9760 R 12499



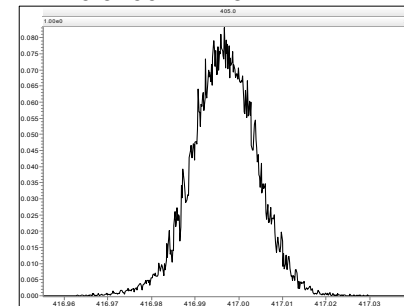
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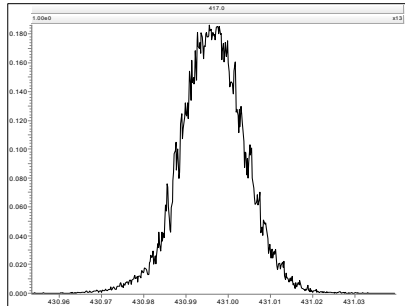
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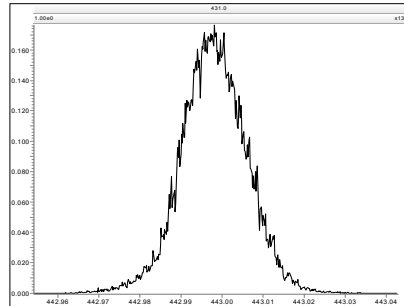
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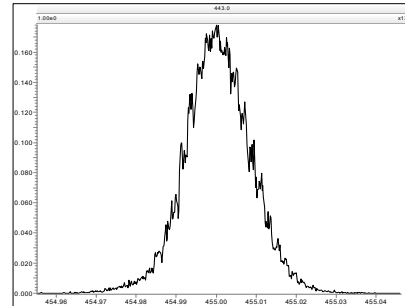
M 430.9728 R 12075



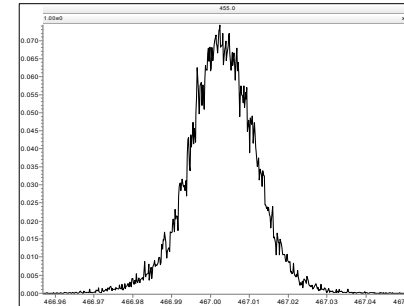
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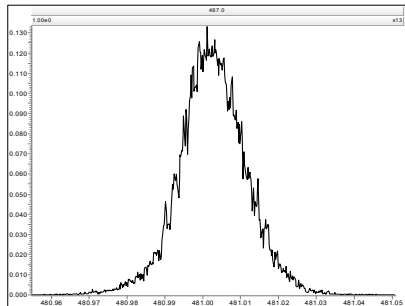
M 454.9728 R 11415



M 466.9728 R 11413



M 480.9696 R 11313



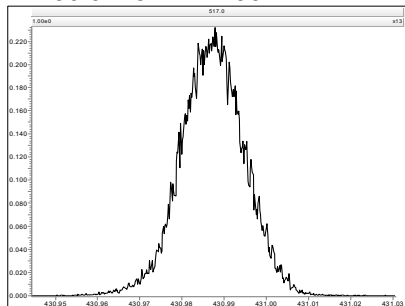
Experiment Calibration Report

MassLynx 4.1

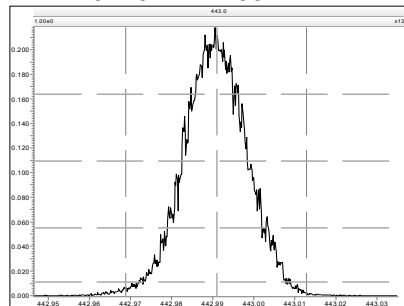
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Printed: Thursday, January 26, 2012 15:14:39 Eastern Standard Time

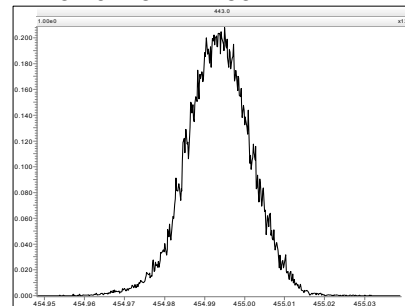
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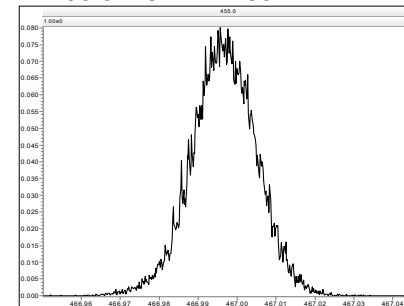
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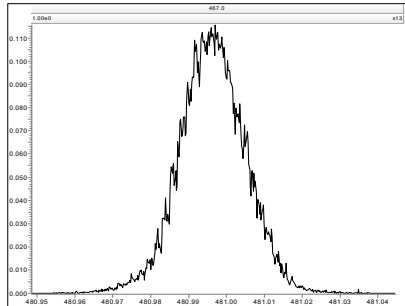
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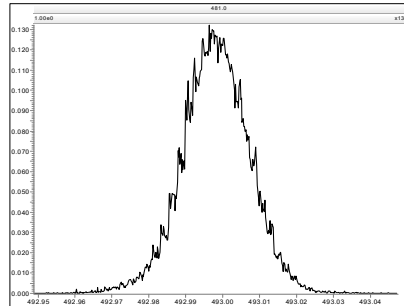
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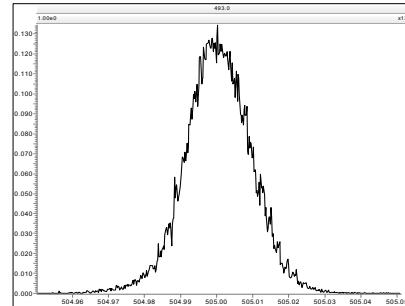
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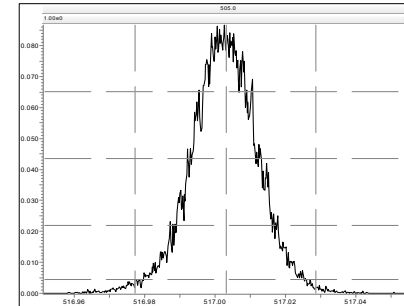
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M 504.9696 R 11469



M 516.9697 R 11306

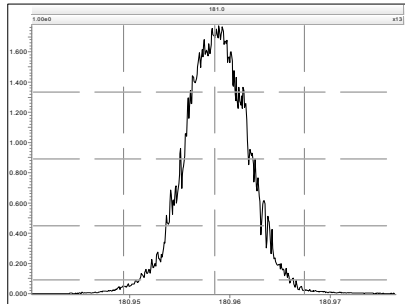


Resolution Check Report

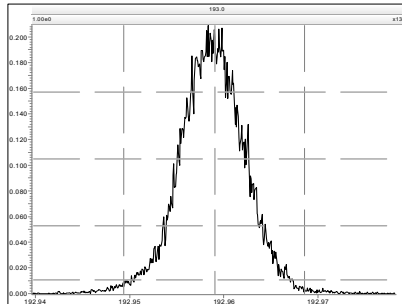
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

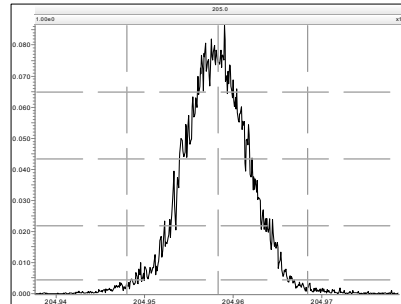
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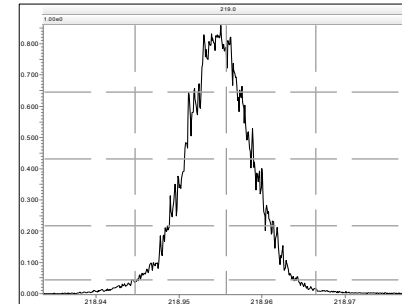
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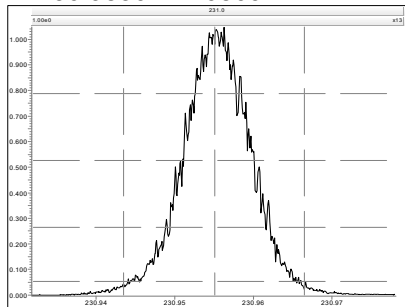
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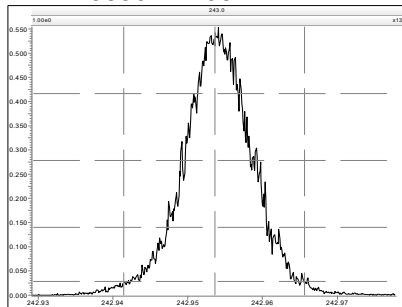
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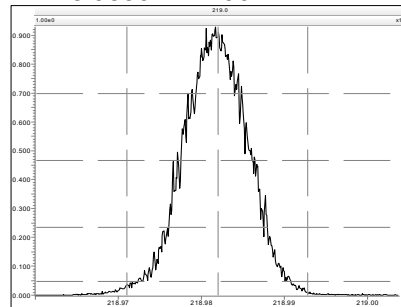
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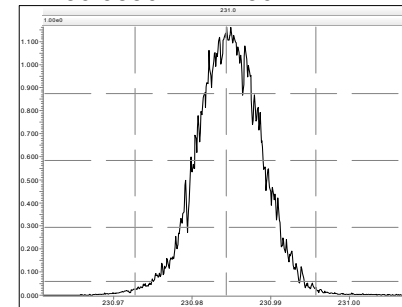
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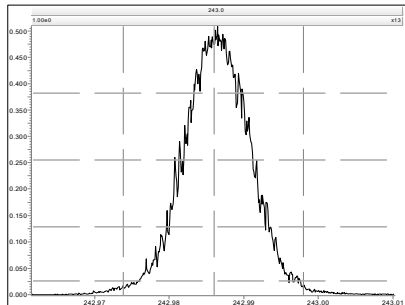
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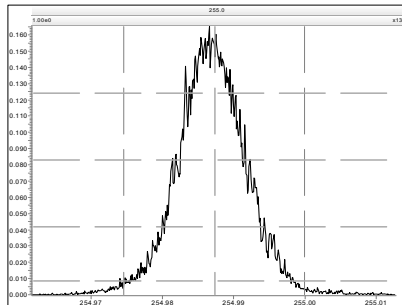
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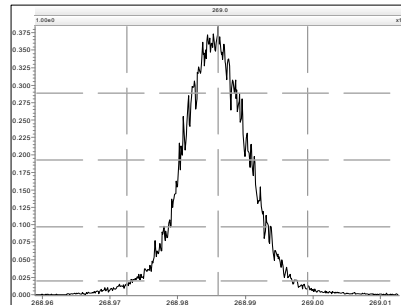
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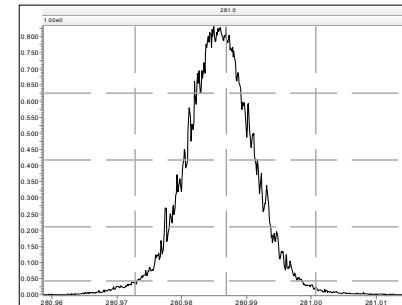
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M 268.9824 R 11135



M 280.9824 R 10869

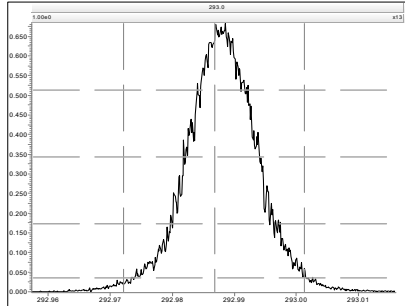


Resolution Check Report

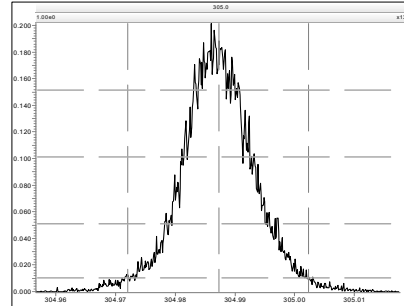
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Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

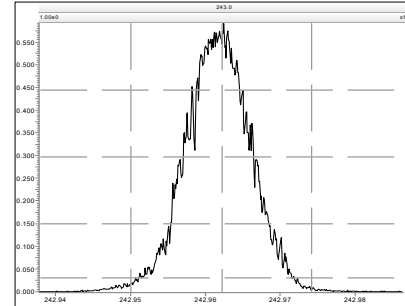
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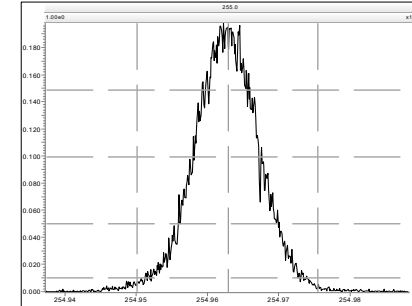
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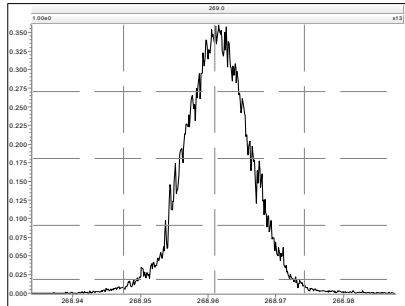
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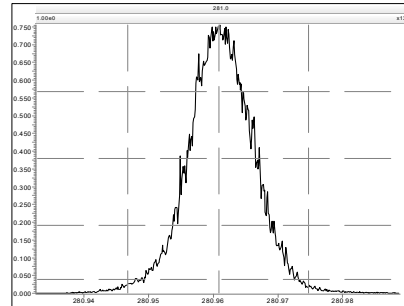
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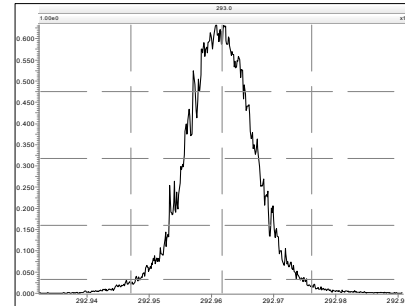
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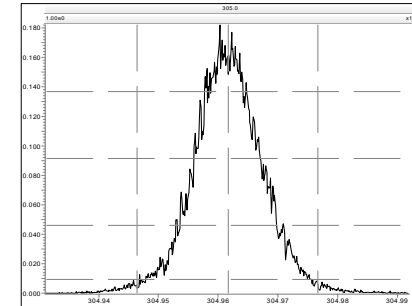
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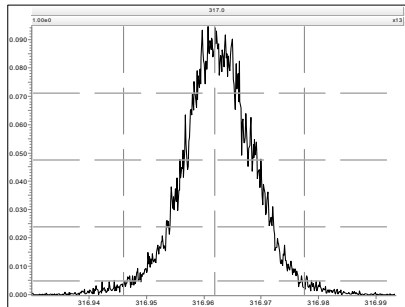
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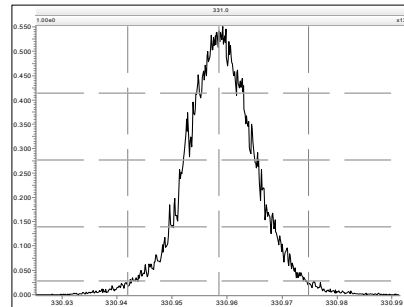
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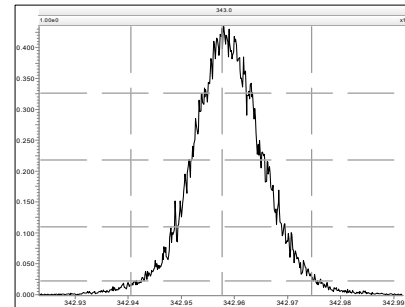
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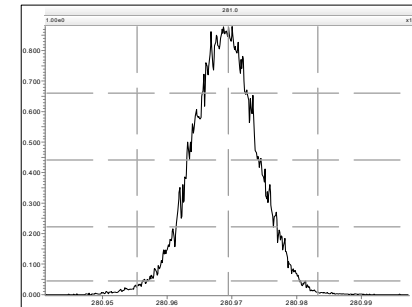
M 330.9792 R 10623



M 342.9792 R 10351



M 280.9824 R 11793

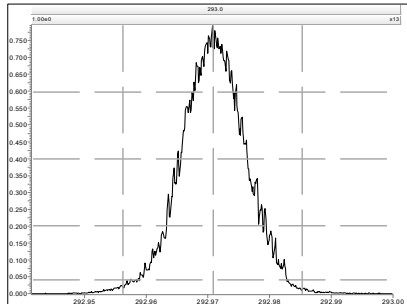


Resolution Check Report

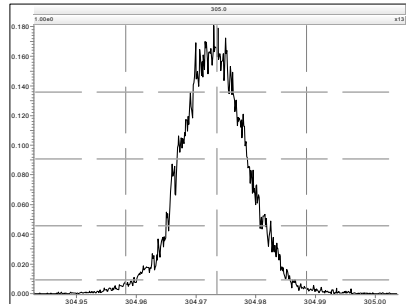
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

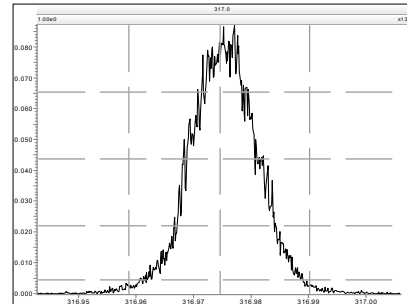
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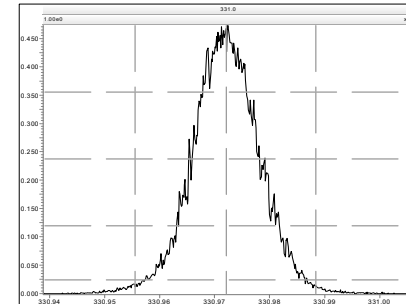
M 304.9824 R 11876



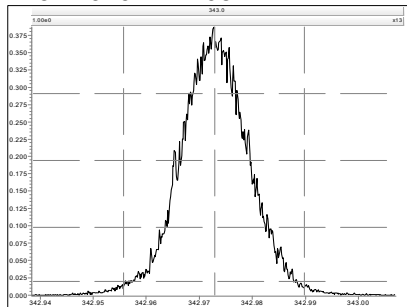
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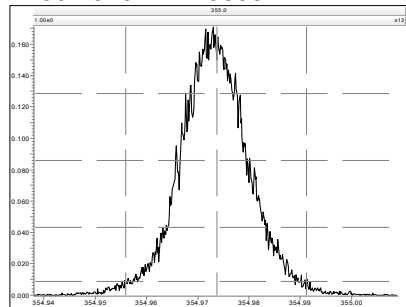
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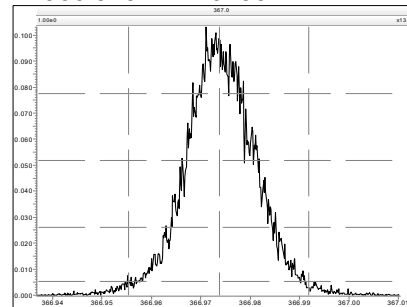
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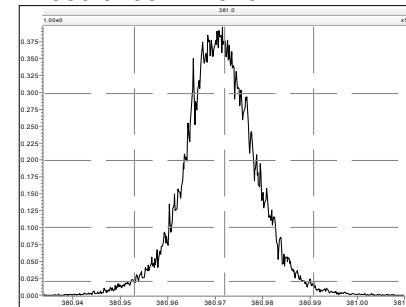
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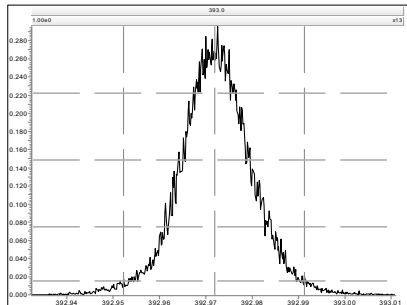
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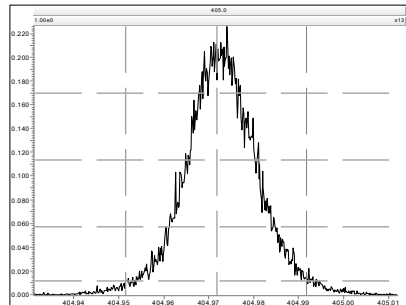
M 380.9760 R 10484



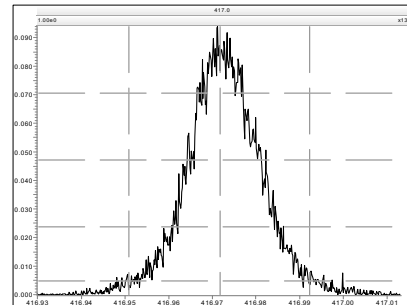
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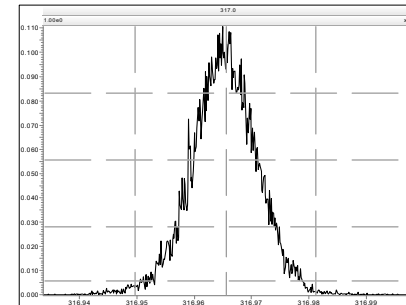
M 404.9760 R 10483



M 416.9760 R 10810



M 316.9824 R 12136

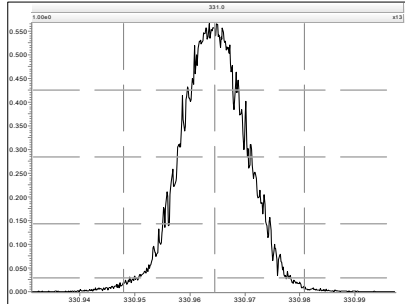


Resolution Check Report

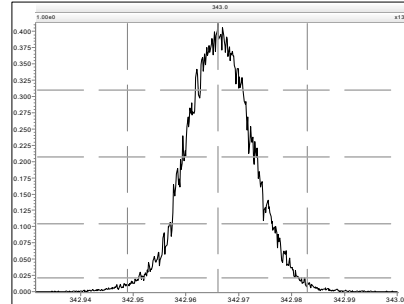
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

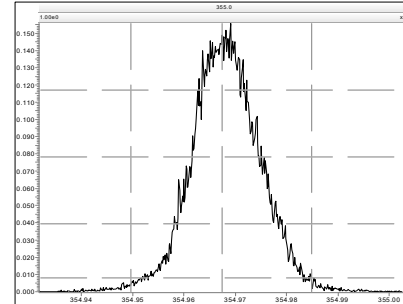
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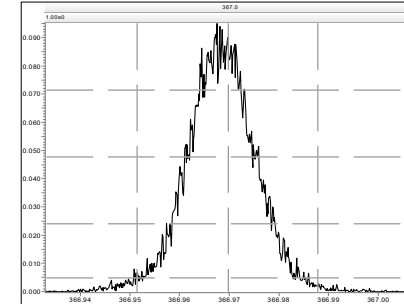
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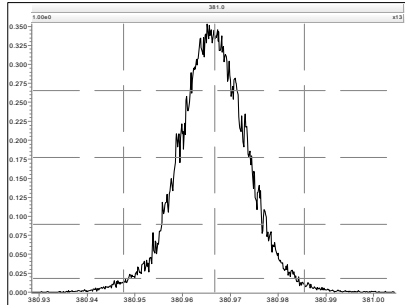
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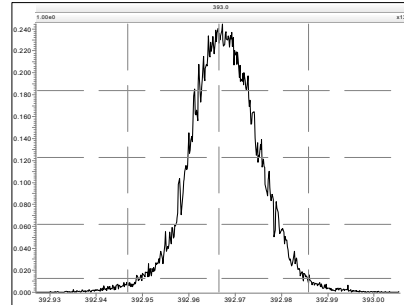
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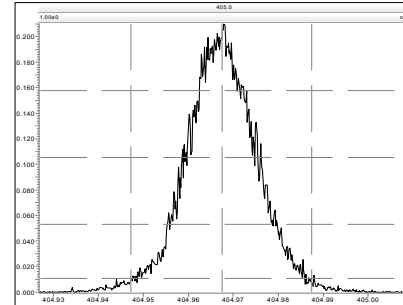
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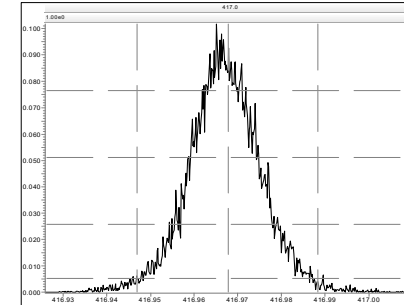
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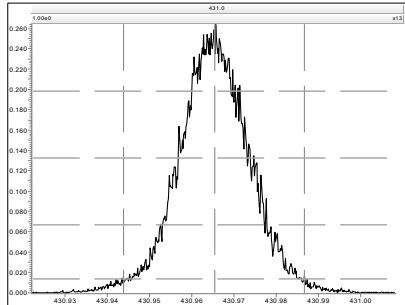
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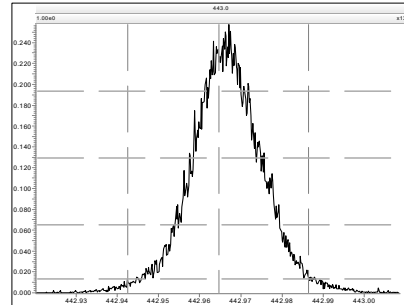
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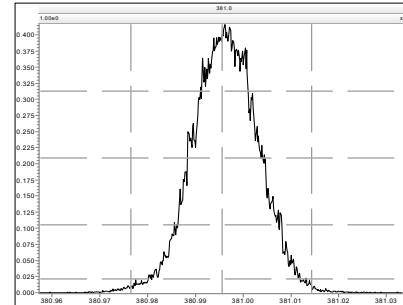
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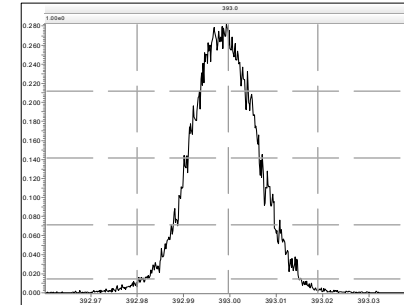
M 442.9728 R 10309



M 380.9760 R 11876



M 392.9760 R 11764

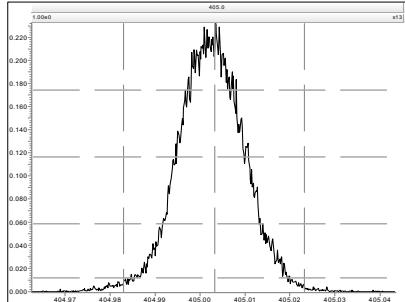


Resolution Check Report

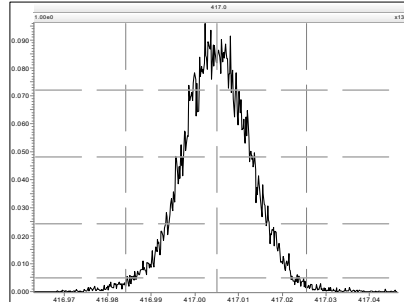
MassLynx 4.1

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

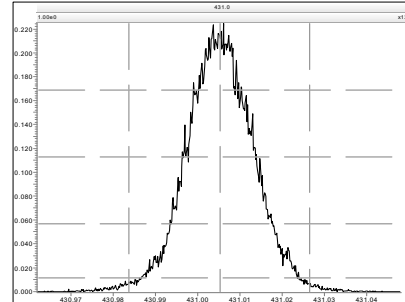
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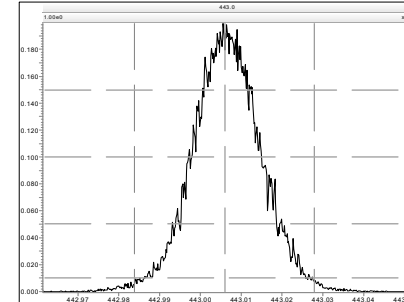
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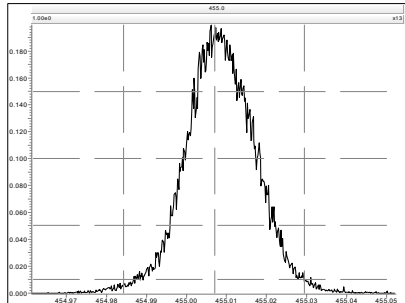
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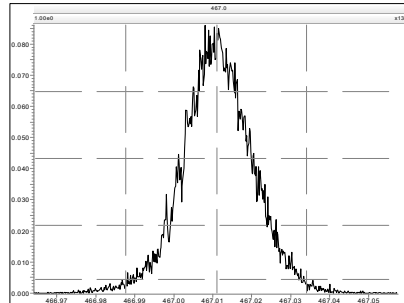
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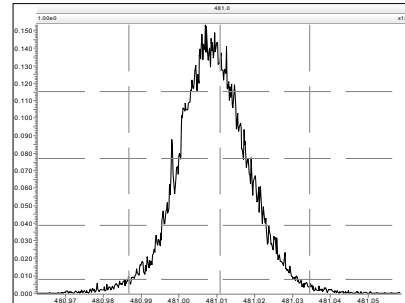
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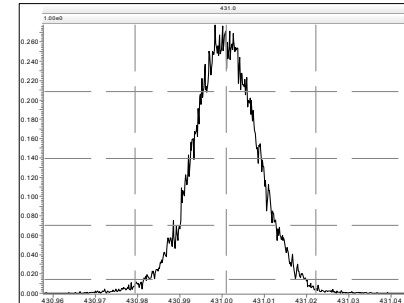
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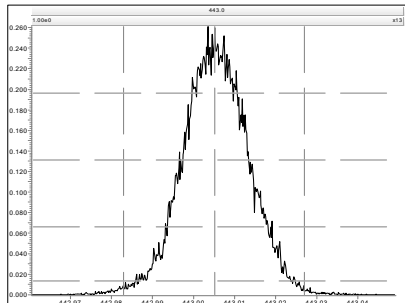
M 480.9696 R 10869



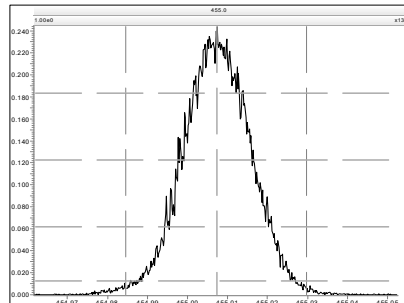
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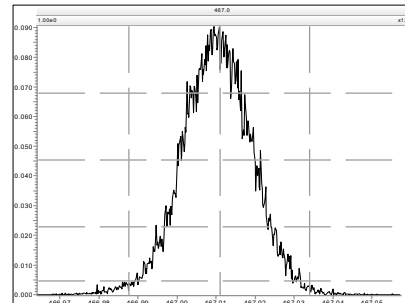
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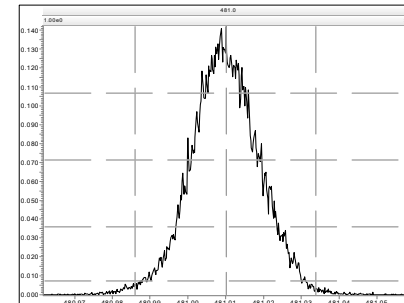
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M 466.9728 R 11603



M 480.9696 R 11441



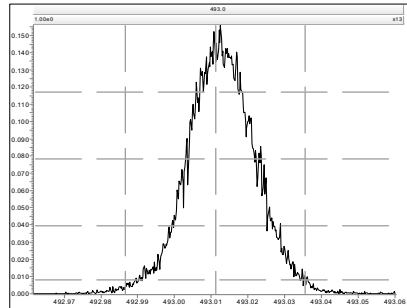
Resolution Check Report

MassLynx 4.1

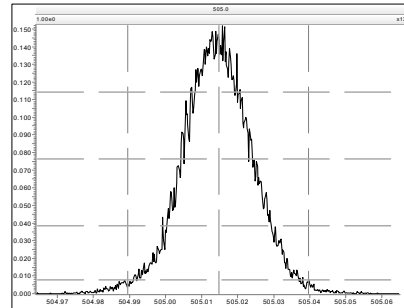
Page 6 of 6

Printed: Thursday, January 26, 2012 21:52:44 Eastern Standard Time

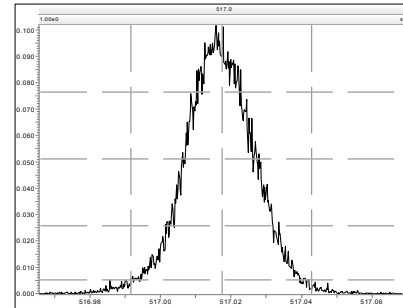
M 492.9696 R 11138



M 504.9696 R 10846



M 516.9697 R 11415



REVIEWED**By Todd Vilen at 10:18 am, Jul 11, 2012**

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METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120705S02 Analysis Date: 05-JUL-2012 12:41:45
 Lab ID: OPR1_9893_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)		OK
PCB-1 2-MoCB	25	92.3	71	- 132	Y
PCB-3 4-MoCB	25	99	72	- 123	Y
PCB-4 22'-DiCB	25	103	73	- 114	Y
PCB-15 44'-DiCB	25	86.5	76	- 116	Y
PCB-19 22'6'-TrCB	25	86.2	79	- 109	Y
PCB-37 344'-TrCB	25	91.9	64	- 122	Y
PCB-54 22'66'-TeCB	25	87.9	76	- 114	Y
PCB-77 33'44'-TeCB	25	74.3	71	- 116	Y
PCB-81 344'5'-TeCB	25	74.2	70	- 116	Y
PCB-104 22'466'-PeCB	25	93.5	74	- 117	Y
PCB-105 233'44'-PeCB	25	80	73	- 117	Y
PCB-114 2344'5'-PeCB	25	75.8	74	- 113	Y
PCB-118 23'44'5'-PeCB	25	86.3	81	- 112	Y
PCB-123 23'44'5'-PeCB	25	84.4	74	- 109	Y
PCB-126 33'44'5'-PeCB	25	74.7	74	- 113	Y
PCB-155 22'44'66'-HxCB	25	83.2	79	- 112	Y
PCB-156/157 ...-HxCB	50	83.1	78	- 117	Y
PCB-167 23'44'55'-HxCB	25	79.6	79	- 107	Y
PCB-169 33'44'55'-HxCB	25	75.8	73	- 108	Y
PCB-188 22'34'566'-HpCB	25	90.6	81	- 113	Y
PCB-189 233'44'55'-HpCB	25	78.9	77	- 114	Y
PCB-202 22'33'55'66'-OcCB	25	98.9	74	- 112	Y
PCB-205 233'44'55'6-OcCB	25	74.6	79	- 115	N
PCB-206 22'33'44'55'6-NoCB	25	82.5	76	- 115	Y
PCB-208 22'33'455'66'-NoCB	25	83.1	77	- 116	Y
PCB-209 DeCB	25	80.3	71	- 116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

Processed: 09 Jul 2012 15:00 Analyst: LB

METHOD 1668B**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM4_PCB_01102012_26JAN12
 Instrument ID: MM4 GC Column ID:
 VER Data Filename: 120705S02 Analysis Date: 05-JUL-2012 12:41:45
 Lab ID: OPR1_9893_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)		OK
ES PCB-1	100	16.7	2	- 100	Y
ES PCB-3	100	21.3	13	- 100	Y
ES PCB-4	100	19.6	18	- 100	Y
ES PCB-15	100	45	10	- 118	Y
ES PCB-19	100	34.4	10	- 106	Y
ES PCB-37	100	77.9	24	- 128	Y
ES PCB-54	100	43.5	16	- 111	Y
ES PCB-77	100	118	43	- 105	N
ES PCB-81	100	122	44	- 102	N
ES PCB-104	100	39.1	30	- 115	Y
ES PCB-105	100	96.3	52	- 116	Y
ES PCB-114	100	87.2	39	- 117	Y
ES PCB-118	100	92.5	51	- 117	Y
ES PCB-123	100	87.6	52	- 118	Y
ES PCB-126	100	105	54	- 113	Y
ES PCB-153	100	-	40	- 120	-
ES PCB-155	100	72.7	40	- 121	Y
ES PCB-156/157	200	109	46	- 115	Y
ES PCB-167	100	110	63	- 115	Y
ES PCB-169	100	98.3	51	- 117	Y
ES PCB-170	100	-	40	- 120	-
ES PCB-180	100	-	40	- 120	-
ES PCB-188	100	68.2	33	- 121	Y
ES PCB-189	100	114	55	- 112	N
ES PCB-202	100	84.5	33	- 136	Y
ES PCB-205	100	113	61	- 103	N
ES PCB-206	100	95.3	51	- 107	Y
ES PCB-208	100	97	48	- 111	Y
ES PCB-209	100	96.7	52	- 111	Y
CLEANUP STANDARDS					
CS PCB-28	100	102	18	- 131	Y
CS PCB-111	100	106	64	- 113	Y
CS PCB-178	100	87.5	62	- 133	Y

Processed: 09 Jul 2012 15:00 Analyst: LB

Lab ID: OPR1_9893_PCB-RJ

ACQ: 05-Jul-2012 12:41:45 LKB Wt/Vol: 1 µL

ICAL: MM4_PCB_01102012_26JAN12

Client ID: OPR #73533

UTP: 09-Jul-2012 14:59 LKB J-level: 10 pg/uL Split: 1

Checkcode: 660-384-XRH

Datafile: 120705S02

RPT: 09-Jul-2012 15:00 LB Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	29.27		1.0006	1.0006	0	9.08E+06	0.77	1.22	18.6	1.57E+03	0.0353
PCB-81 344'5-TeCB	28.80		1.0006	1.0007	+0.2	9.01E+06	0.76	1.24	18.6	1.57E+03	0.0344
PCB-105 233'44'-PeCB	32.21		1.0007	1.0007	0	6.61E+06	0.61	1.03	20	6.58E+02	0.0213
PCB-114 2344'5-PeCB	31.68		1.0007	1.0007	0	6.20E+06	0.61	1.10	18.9	6.58E+02	0.0204
PCB-118 23'44'5-PeCB	31.24		1.0008	1.0007	-0.2	7.12E+06	0.60	1.03	21.6	6.58E+02	0.0208
PCB-123 23'44'5'-PeCB	30.96		1.0007	1.0007	0	6.29E+06	0.62	0.93	21.1	6.58E+02	0.0231
PCB-126 33'44'5-PeCB	34.82		1.0005	1.0006	+0.2	8.22E+06	0.61	1.11	18.7	1.29E+03	0.0329
PCB-156/157 ...-HxCB	37.36	C	1.0005	1.0005	0	1.34E+07	1.28	1.05	41.5	7.88E+02	0.034
PCB-167 23'44'55'-HxCB	36.40		1.0006	1.0006	0	6.67E+06	1.28	1.08	19.9	7.88E+02	0.0253
PCB-169 33'44'55'-HxCB	40.09		1.0005	1.0004	-0.2	5.52E+06	1.27	1.04	18.9	7.88E+02	0.0312
PCB-189 233'44'55'-HpCB	42.21		1.0005	1.0004	-0.3	8.93E+06	1.03	1.11	19.7	1.19E+03	0.0293
PCB-209 DeCB	47.20		1.0004	1.0004	0	4.90E+06	1.16	1.05	20.1	3.60E+02	0.0246
ES PCB-1	9.85		0.7181	0.7175	-0.4	8.80E+06	3.36	1.01	16.7 %	2%	100%
ES PCB-3	11.78		0.8583	0.8583	0	1.17E+07	3.33	1.05	21.3 %	13%	100%
ES PCB-4	11.98		0.8732	0.8730	-0.1	7.13E+06	1.63	0.70	19.6 %	18%	100%
ES PCB-15	17.09		1.2453	1.2456	+0.3	2.74E+07	1.63	1.17	45 %	10%	118%
ES PCB-19	14.68		1.0698	1.0697	-0.1	1.01E+07	1.09	0.57	34.4 %	10%	106%
ES PCB-37	23.07		1.0865	1.0868	+0.4	3.05E+07	1.10	1.41	77.9 %	24%	128%
ES PCB-54	17.32		0.8157	0.8158	+0.1	1.60E+07	0.79	1.32	43.5 %	16%	111%
ES PCB-77	29.25	V	1.3777	1.3778	+0.2	3.99E+07	0.80	1.22	118 %	43%	105%
ES PCB-81	28.78	V	1.3557	1.3557	0	3.90E+07	0.80	1.15	122 %	44%	102%
ES PCB-104	22.03		0.8147	0.8148	+0.1	1.83E+07	1.60	1.69	39.1 %	30%	115%
ES PCB-105	32.19		1.1906	1.1906	0	3.22E+07	1.61	1.21	96.3 %	52%	116%
ES PCB-114	31.66		1.1709	1.1710	+0.2	2.98E+07	1.62	1.23	87.2 %	39%	117%
ES PCB-118	31.22		1.1547	1.1547	0	3.19E+07	1.62	1.25	92.5 %	51%	117%
ES PCB-123	30.94		1.1444	1.1445	+0.2	3.22E+07	1.60	1.33	87.6 %	52%	118%
ES PCB-126	34.80		1.2871	1.2874	+0.6	3.95E+07	1.63	1.36	105 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	26.86		0.7939	0.7939	0	2.54E+07	1.28	1.40	72.7 %	40%	121%
ES PCB-156/157	37.33		1.1035	1.1036	+0.2	6.16E+07	1.27	1.13	109 %	46%	115%
ES PCB-167	36.38		1.0753	1.0754	+0.2	3.10E+07	1.24	1.13	110 %	63%	115%
ES PCB-169	40.07		1.1842	1.1844	+0.5	2.79E+07	1.23	1.14	98.3 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	31.66		0.7204	0.7203	-0.2	2.27E+07	1.11	1.34	68.2 %	33%	121%
ES PCB-189	42.19	V	0.9598	0.9598	0	4.08E+07	1.05	1.77	114 %	55%	112%
ES PCB-202	36.18		0.8230	0.8229	-0.2	2.67E+07	0.91	1.27	84.5 %	33%	136%
ES PCB-205	44.36	V	1.0090	1.0090	0	2.87E+07	0.90	1.25	113 %	61%	103%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	45.83		1.0424	1.0425	+0.3	2.07E+07	0.80	1.07	95.3 %	51%	107%
ES PCB-208	41.79		0.9508	0.9507	-0.3	2.64E+07	0.78	1.34	97 %	48%	111%
ES PCB-209	47.18		1.0732	1.0733	+0.3	2.33E+07	1.19	1.18	96.7 %	52%	111%
CS/SS PCB-28	19.68		0.9269	0.9271	+0.2	3.92E+07	1.10	0.98	131 %	18%	131%
CS/SS PCB-111	29.31	V	1.0843	1.0843	0	3.51E+07	1.60	0.90	121 %	64%	113%
CS/SS PCB-178	34.23		1.0118	1.0118	0	1.89E+07	1.08	0.65	128 %	62%	133%
CS PCB-28	19.68		0.9269	0.9271	+0.2	3.92E+07	1.10	1.39	102 %	18%	131%
CS PCB-111	29.31		1.0843	1.0843	0	3.51E+07	1.60	1.19	106 %	64%	113%
CS PCB-178	34.23		1.0118	1.0118	0	1.89E+07	1.08	0.87	87.5 %	62%	133%
JS PCB-9	13.72					5.20E+07	1.63				
JS PCB-52	21.23					2.78E+07	0.79				
JS PCB-101	27.03					2.77E+07	1.59				
JS PCB-138	33.83					2.49E+07	1.30				
JS PCB-194	43.96					2.03E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	47.8	47.8	0.079		
						Di-CBs	55.2	55.2	0.858		
						Tri-CBs	44.5	44.5	0.0793		
						Tetra-CBs	59.1	59.1	0.0256		
						Penta-CBs	124	124	0.0238		
						Hexa-CBs	101	101	0.0264		
						Hepta-CBs	42.4	42.4	0.0277		
						Octa-CBs	43.4	43.4	0.0175		
						Nona-CBs	41.4	41.4	0.0358		
PCB-1 2-MoCB	9.86		1.0011	1.0011	0	2.43E+06	3.37	1.20	23.1	1.70E+03	0.0788
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.13	ND	1.70E+03	0.0792
PCB-3 4-MoCB	11.79		1.0010	1.0009	-0.1	3.26E+06	3.20	1.13	24.8	1.70E+03	0.0792
PCB-4 22'-DiCB	11.99		1.0012	1.0011	-0.1	1.73E+06	1.43	0.94	25.7	1.53E+04	1.36
PCB-10 26-DiCB	NotFnd		1.0142	-		0.00E+00		1.43	ND	1.53E+04	0.896
PCB-9 25-DiCB	NotFnd		1.0011	-		0.00E+00		0.87	ND	1.13E+04	0.414
PCB-7 24-DiCB	NotFnd		1.0116	-		0.00E+00		1.00	ND	1.13E+04	0.358
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00		0.94	ND	1.13E+04	0.383
PCB-5 23-DiCB	NotFnd		1.0451	-		0.00E+00		0.92	ND	1.13E+04	0.39
PCB-8 24'-DiCB	NotFnd		1.0533	-		0.00E+00		0.95	ND	1.13E+04	0.379
PCB-14 35-DiCB	NotFnd		0.9287	-		0.00E+00		1.09	ND	1.13E+04	0.328
PCB-11 33'-DiCB	16.58	J	0.9701	0.9701	0	2.12E+06	1.51	0.98	7.92	1.13E+04	0.368
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9855	-		0.00E+00		0.97	ND	1.13E+04	0.371
PCB-15 44'-DiCB	17.11		1.0008	1.0009	+0.1	5.96E+06	1.56	1.01	21.6	1.13E+04	0.357

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	14.70		1.0011	1.0010	-0.1	2.21E+06	1.04	1.01	21.6	1.49E+03	0.109
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1110	-		0.00E+00		1.29	ND	1.49E+03	0.0849
PCB-17 22'4-TrCB	NotFnd		1.1357	-		0.00E+00		1.14	ND	1.49E+03	0.0966
PCB-27 23'6-TrCB	NotFnd		1.1479	-		0.00E+00		1.48	ND	1.49E+03	0.074
PCB-24 236-TrCB	NotFnd		1.1558	-		0.00E+00		1.43	ND	1.49E+03	0.0767
PCB-16 22'3-TrCB	NotFnd		1.1612	-		0.00E+00		0.89	ND	1.49E+03	0.123
PCB-32 24'6-TrCB	NotFnd		1.1923	-		0.00E+00		1.56	ND	1.49E+03	0.0705
PCB-34 23'5'-TrCB	NotFnd		0.8061	-		0.00E+00		1.18	ND	1.83E+03	0.0507
PCB-23 235-TrCB	NotFnd		0.8119	-		0.00E+00		1.19	ND	1.83E+03	0.0504
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8236	-		0.00E+00		1.20	ND	1.83E+03	0.0498
PCB-25 23'4-TrCB	NotFnd		0.8315	-		0.00E+00		1.19	ND	1.83E+03	0.0502
PCB-31 24'5-TrCB	NotFnd		0.8430	-		0.00E+00		1.23	ND	1.83E+03	0.0488
PCB-28/20 244' /233'-TrCB	NotFnd	C	0.8542	-		0.00E+00		1.18	ND	1.83E+03	0.0507
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8612	-		0.00E+00		1.21	ND	1.83E+03	0.0492
PCB-22 234'-TrCB	NotFnd		0.8766	-		0.00E+00		1.11	ND	1.83E+03	0.0536
PCB-36 33'5-TrCB	NotFnd		0.9351	-		0.00E+00		1.21	ND	1.83E+03	0.0493
PCB-39 34'5-TrCB	NotFnd		0.9481	-		0.00E+00		1.32	ND	1.83E+03	0.0454
PCB-38 345-TrCB	NotFnd		0.9693	-		0.00E+00		1.15	ND	1.83E+03	0.0518
PCB-35 33'4-TrCB	NotFnd		0.9860	-		0.00E+00		1.13	ND	1.83E+03	0.0527
PCB-37 344'-TrCB	23.09		1.0008	1.0008	0	8.40E+06	1.06	1.20	23	1.83E+03	0.0499
PCB-54 22'66'-TeCB	17.34		1.0010	1.0011	+0.1	3.27E+06	0.79	0.93	22	4.94E+02	0.0264
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9051	-		0.00E+00		0.83	ND	4.76E+02	0.0156
PCB-45 22'36-TeCB	NotFnd		0.9304	-		0.00E+00		0.71	ND	4.76E+02	0.0184
PCB-51 22'46'-TeCB	NotFnd		0.9340	-		0.00E+00		0.88	ND	4.76E+02	0.0148
PCB-46 22'36'-TeCB	NotFnd		0.9429	-		0.00E+00		0.69	ND	4.76E+02	0.0187
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.80	ND	4.76E+02	0.0162
PCB-73 23'5'6-TeCB	NotFnd		1.0069	-		0.00E+00		1.03	ND	4.76E+02	0.0126
PCB-43 22'35-TeCB	NotFnd		1.0106	-		0.00E+00		0.71	ND	4.76E+02	0.0184
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0198	-		0.00E+00		0.96	ND	4.76E+02	0.0135
PCB-48 22'45-TeCB	NotFnd		1.0319	-		0.00E+00		0.84	ND	4.76E+02	0.0156
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0416	-		0.00E+00		0.86	ND	4.76E+02	0.0151
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0541	-		0.00E+00		1.09	ND	4.76E+02	0.0119
PCB-42 22'34'-TeCB	NotFnd		1.0612	-		0.00E+00		0.77	ND	4.76E+02	0.017
PCB-41 22'34-TeCB	NotFnd		1.0759	-		0.00E+00		0.73	ND	4.76E+02	0.0179
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0806	-		0.00E+00		0.81	ND	4.76E+02	0.016
PCB-64 234'6-TeCB	NotFnd		1.0899	-		0.00E+00		1.17	ND	4.76E+02	0.0111
PCB-72 23'55'-TeCB	NotFnd		0.8295	-		0.00E+00		1.25	ND	1.57E+03	0.0342
PCB-68 23'45'-TeCB	NotFnd		0.8379	-		0.00E+00		1.36	ND	1.57E+03	0.0314
PCB-57 233'5-TeCB	NotFnd		0.8501	-		0.00E+00		1.22	ND	1.57E+03	0.035
PCB-58 233'5'-TeCB	NotFnd		0.8568	-		0.00E+00		1.26	ND	1.57E+03	0.0341
PCB-67 23'45-TeCB	NotFnd		0.8620	-		0.00E+00		1.27	ND	1.57E+03	0.0336
PCB-63 234'5-TeCB	NotFnd		0.8697	-		0.00E+00		1.34	ND	1.57E+03	0.0321
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8792	-		0.00E+00		1.24	ND	1.57E+03	0.0345
PCB-66 23'44'-TeCB	NotFnd		0.8888	-		0.00E+00		1.19	ND	1.57E+03	0.0361
PCB-55 233'4-TeCB	NotFnd		0.8932	-		0.00E+00		1.22	ND	1.57E+03	0.0352

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9080	-		0.00E+00		1.18	ND	1.57E+03	0.0364
PCB-60 2344'-TeCB	NotFnd		0.9144	-		0.00E+00		1.24	ND	1.57E+03	0.0346
PCB-80 33'55'-TeCB	NotFnd		0.9277	-		0.00E+00		1.37	ND	1.57E+03	0.0312
PCB-79 33'45'-TeCB	NotFnd		0.9718	-		0.00E+00		1.37	ND	1.57E+03	0.0313
PCB-78 33'45'-TeCB	NotFnd		0.9879	-		0.00E+00		1.19	ND	1.57E+03	0.0359
PCB-104 22'466'-PeCB	22.05		1.0010	1.0010	0	3.92E+06	0.61	0.92	23.4	4.40E+02	0.0242
PCB-96 22'366'-PeCB	NotFnd		1.0141	-		0.00E+00		0.81	ND	4.40E+02	0.0274
PCB-103 22'45'6'-PeCB	NotFnd		0.8883	-		0.00E+00		0.78	ND	6.58E+02	0.0275
PCB-94 22'356'-PeCB	NotFnd		0.8946	-		0.00E+00		0.71	ND	6.58E+02	0.03
PCB-95 22'35'6'-PeCB	NotFnd		0.9082	-		0.00E+00		0.74	ND	6.58E+02	0.0288
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9158	-		0.00E+00		0.75	ND	6.58E+02	0.0286
PCB-102 22'456'-PeCB	NotFnd		0.9198	-		0.00E+00		0.75	ND	6.58E+02	0.0285
PCB-98 22'34'6'-PeCB	NotFnd		0.9222	-		0.00E+00		0.71	ND	6.58E+02	0.03
PCB-88 22'346'-PeCB	NotFnd		0.9325	-		0.00E+00		0.66	ND	6.58E+02	0.0321
PCB-91 22'34'6'-PeCB	NotFnd		0.9352	-		0.00E+00		0.84	ND	6.58E+02	0.0255
PCB-84 22'33'6'-PeCB	NotFnd		0.9416	-		0.00E+00		0.65	ND	6.58E+02	0.0329
PCB-89 22'346'-PeCB	NotFnd		0.9567	-		0.00E+00		0.69	ND	6.58E+02	0.0311
PCB-121 23'45'6'-PeCB	NotFnd		0.9715	-		0.00E+00		0.98	ND	6.58E+02	0.0217
PCB-92 22'355'-PeCB	NotFnd		0.9825	-		0.00E+00		0.72	ND	6.58E+02	0.0298
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.81	ND	6.58E+02	0.0264
PCB-83 22'33'5'-PeCB	NotFnd		1.0150	-		0.00E+00		0.62	ND	6.58E+02	0.0343
PCB-99 22'44'5'-PeCB	NotFnd		1.0190	-		0.00E+00		0.76	ND	6.58E+02	0.0279
PCB-112 233'56'-PeCB	NotFnd		1.0224	-		0.00E+00		0.96	ND	6.58E+02	0.0221
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0347	-		0.00E+00		0.83	ND	6.58E+02	0.0258
PCB-117 234'56'-PeCB	NotFnd		1.0539	-		0.00E+00		0.94	ND	6.58E+02	0.0227
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0566	-		0.00E+00		0.81	ND	6.58E+02	0.0264
PCB-110 233'4'6'-PeCB	NotFnd		1.0615	-		0.00E+00		0.92	ND	6.58E+02	0.0232
PCB-115 2344'6'-PeCB	NotFnd		1.0644	-		0.00E+00		0.95	ND	6.58E+02	0.0225
PCB-82 22'33'4'-PeCB	NotFnd		1.0711	-		0.00E+00		0.62	ND	6.58E+02	0.0346
PCB-111 233'55'-PeCB	NotFnd		1.0851	-		0.00E+00		0.98	ND	6.58E+02	0.0217
PCB-120 23'455'-PeCB	NotFnd		1.0994	-		0.00E+00		0.99	ND	6.58E+02	0.0215
PCB-107/124 ...-PeCB	NotFnd	C	0.9909	-		0.00E+00		0.92	ND	6.58E+02	0.0232
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.00	ND	6.58E+02	0.0215
PCB-106 233'45'-PeCB	NotFnd		1.0038	-		0.00E+00		0.96	ND	6.58E+02	0.0222
PCB-122 233'4'5'-PeCB	NotFnd		1.0095	-		0.00E+00		0.93	ND	6.58E+02	0.0241
PCB-127 33'455'-PeCB	NotFnd		1.0401	-		0.00E+00		1.04	ND	6.58E+02	0.0211
PCB-155 22'44'66'-HxCB	26.88		1.0008	1.0008	0	5.57E+06	1.31	1.06	20.8	4.34E+02	0.0152
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		0.98	ND	4.34E+02	0.0163
PCB-150 22'34'66'-HxCB	NotFnd		1.0112	-		0.00E+00		0.99	ND	4.34E+02	0.0163
PCB-136 22'33'66'-HxCB	NotFnd		1.0216	-		0.00E+00		0.92	ND	4.34E+02	0.0174
PCB-145 22'3466'-HxCB	NotFnd		1.0316	-		0.00E+00		0.94	ND	4.34E+02	0.0171
PCB-148 22'34'56'-HxCB	NotFnd		1.0801	-		0.00E+00		0.73	ND	4.34E+02	0.0219
PCB-151/135 ...-HxCB	NotFnd	C	1.0986	-		0.00E+00		0.71	ND	4.34E+02	0.0226
PCB-154 22'44'56'-HxCB	NotFnd		1.1067	-		0.00E+00		0.78	ND	4.34E+02	0.0204
PCB-144 22'345'6'-HxCB	NotFnd		1.1158	-		0.00E+00		0.72	ND	4.34E+02	0.0223

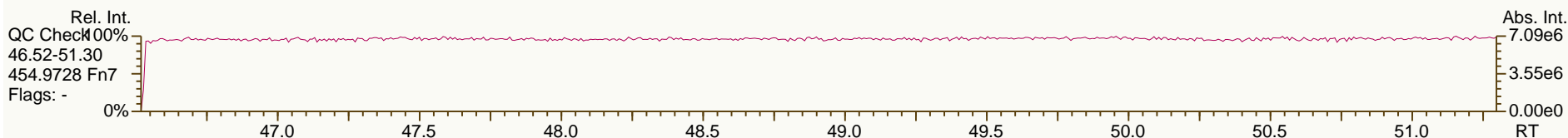
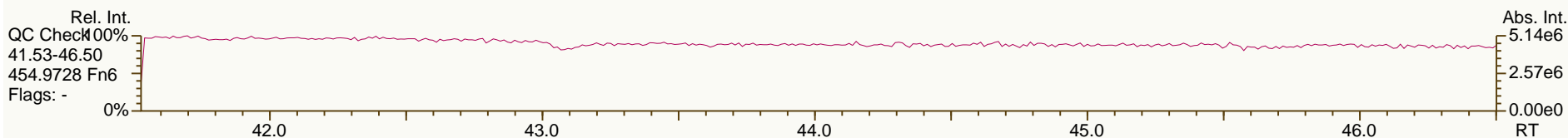
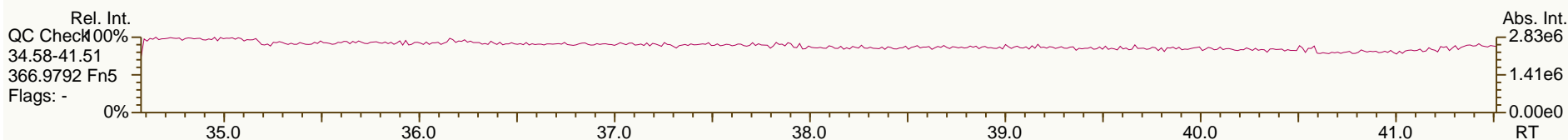
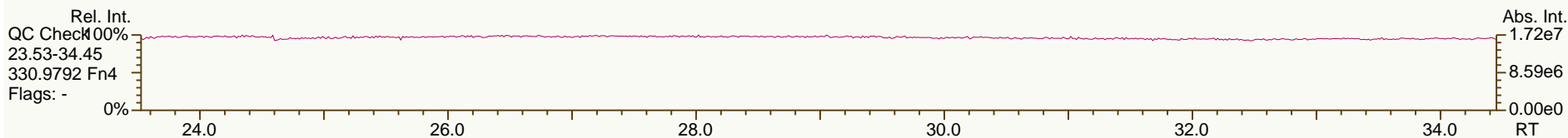
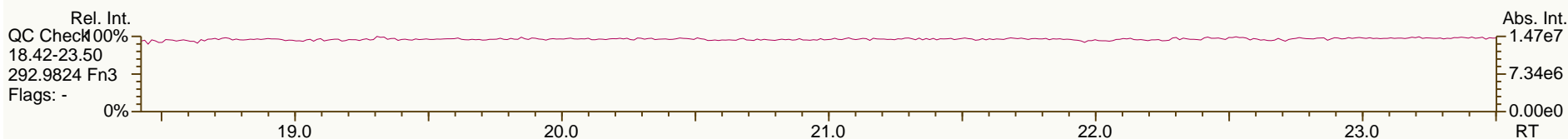
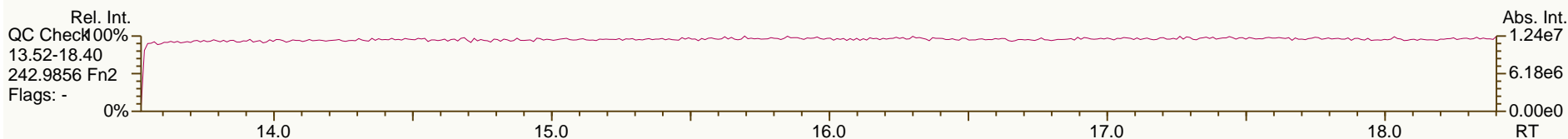
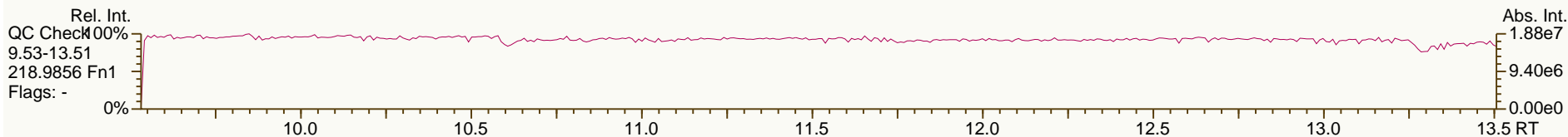
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	NotFnd	C	1.1269	-		0.00E+00	0.72		ND	4.34E+02	0.0222
PCB-134 22'33'56"-HxCB	NotFnd		1.1326	-		0.00E+00	0.61		ND	4.34E+02	0.0264
PCB-143 22'34'56"-HxCB	NotFnd		1.1356	-		0.00E+00	0.69		ND	4.34E+02	0.0232
PCB-139/140 ...-HxCB	NotFnd	C	1.1458	-		0.00E+00	0.73		ND	4.34E+02	0.0218
PCB-131 22'33'46"-HxCB	NotFnd		1.1516	-		0.00E+00	0.65		ND	4.34E+02	0.0248
PCB-142 22'34'56"-HxCB	NotFnd		1.1564	-		0.00E+00	0.67		ND	4.34E+02	0.0238
PCB-132 22'33'46"-HxCB	NotFnd		1.1655	-		0.00E+00	0.68		ND	4.34E+02	0.0236
PCB-133 22'33'55"-HxCB	NotFnd		1.1826	-		0.00E+00	0.69		ND	4.34E+02	0.0233
PCB-165 233'55'6"-HxCB	NotFnd		0.9489	-		0.00E+00	0.82		ND	4.34E+02	0.0195
PCB-146 22'34'55"-HxCB	NotFnd		0.9550	-		0.00E+00	0.73		ND	4.34E+02	0.022
PCB-161 233'45'6"-HxCB	NotFnd		0.9584	-		0.00E+00	0.93		ND	4.34E+02	0.0173
PCB-153/168 ...-HxCB	NotFnd	C	0.9709	-		0.00E+00	0.89		ND	4.34E+02	0.0181
PCB-141 22'34'55"-HxCB	NotFnd		0.9746	-		0.00E+00	0.71		ND	4.34E+02	0.0227
PCB-130 22'33'45"-HxCB	NotFnd		0.9847	-		0.00E+00	0.64		ND	4.34E+02	0.0252
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00	0.78		ND	4.34E+02	0.0206
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9930	-		0.00E+00	0.88		ND	4.34E+02	0.0182
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0012	-		0.00E+00	0.76		ND	4.34E+02	0.0211
PCB-160 233'456"-HxCB	NotFnd		1.0049	-		0.00E+00	0.88		ND	4.34E+02	0.0181
PCB-158 233'44'6"-HxCB	NotFnd		1.0106	-		0.00E+00	0.96		ND	4.34E+02	0.0167
PCB-128/166 ...-HxCB	NotFnd	C	0.9593	-		0.00E+00	0.86		ND	7.88E+02	0.0316
PCB-159 233'455"-HxCB	NotFnd		0.9830	-		0.00E+00	1.03		ND	7.88E+02	0.0266
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00	1.04		ND	7.88E+02	0.0263
PCB-188 22'34'566"-HpCB	31.69		1.0007	1.0007	0	5.49E+06	1.04	1.07	22.7	6.18E+02	0.0256
PCB-179 22'33'566"-HpCB	NotFnd		1.0089	-		0.00E+00	0.98		ND	6.18E+02	0.0279
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0237	-		0.00E+00	0.97		ND	6.18E+02	0.028
PCB-176 22'33'466"-HpCB	NotFnd		1.0324	-		0.00E+00	1.06		ND	6.18E+02	0.0256
PCB-186 22'34'566"-HpCB	NotFnd		1.0444	-		0.00E+00	1.02		ND	6.18E+02	0.0268
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0816	-		0.00E+00	0.77		ND	6.18E+02	0.0353
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0985	-		0.00E+00	0.70		ND	5.43E+02	0.0343
PCB-187 22'34'55'6"-HpCB	NotFnd		1.1057	-		0.00E+00	0.73		ND	5.43E+02	0.0327
PCB-182 22'34'4'56"-HpCB	NotFnd		1.1112	-		0.00E+00	0.74		ND	5.43E+02	0.0322
PCB-183 22'34'4'5'6"-HpCB	NotFnd		1.1219	-		0.00E+00	0.75		ND	5.43E+02	0.032
PCB-185 22'34'55'6"-HpCB	NotFnd		1.1241	-		0.00E+00	0.73		ND	5.43E+02	0.0329
PCB-174 22'33'456"-HpCB	NotFnd		1.1276	-		0.00E+00	0.63		ND	5.43E+02	0.0382
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1393	-		0.00E+00	0.64		ND	5.43E+02	0.0375
PCB-181 22'34'4'56"-HpCB	NotFnd		1.1501	-		0.00E+00	0.72		ND	5.43E+02	0.0335
PCB-171/173 ...-HpCB	NotFnd	C	1.1556	-		0.00E+00	0.64		ND	5.43E+02	0.0376
PCB-172 22'33'455"-HpCB	NotFnd		0.9003	-		0.00E+00	0.69		ND	5.43E+02	0.0216
PCB-192 233'455'6"-HpCB	NotFnd		0.9061	-		0.00E+00	0.91		ND	5.43E+02	0.0163
PCB-180/193 ...-HpCB	NotFnd	C	0.9127	-		0.00E+00	0.84		ND	5.43E+02	0.0176
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9203	-		0.00E+00	0.94		ND	5.43E+02	0.0157
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9380	-		0.00E+00	0.70		ND	5.43E+02	0.0213
PCB-190 233'44'56"-HpCB	NotFnd		0.9486	-		0.00E+00	0.94		ND	5.43E+02	0.0157
PCB-202 22'33'55'66"-OoCB	36.20		1.0006	1.0006	0	5.46E+06	0.91	0.83	24.7	4.02E+02	0.0201
PCB-201 22'33'45'66"-OoCB	NotFnd		1.0221	-		0.00E+00	0.93		ND	4.02E+02	0.0179

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0379	-		0.00E+00		0.89	ND	4.02E+02	0.0186
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0431	-		0.00E+00		0.91	ND	4.02E+02	0.0182
PCB-200 22'33'4566'-OcCB	NotFnd		1.0451	-		0.00E+00		0.93	ND	4.02E+02	0.0179
PCB-198/199 ...-OcCB	NotFnd	C	1.1102	-		0.00E+00		0.68	ND	4.02E+02	0.0243
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1260	-		0.00E+00		0.72	ND	4.02E+02	0.0232
PCB-203 22'344'55'6-OcCB	NotFnd		1.1306	-		0.00E+00		0.74	ND	4.02E+02	0.0225
PCB-195 22'33'44'56-OcCB	NotFnd		0.9469	-		0.00E+00		0.81	ND	4.23E+02	0.02
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9915	-		0.00E+00		0.86	ND	4.23E+02	0.0189
PCB-205 233'44'55'6-OcCB	44.38		1.0004	1.0004	0	5.84E+06	0.93	1.09	18.7	4.23E+02	0.0148
PCB-208 22'33'455'66'-NoCB	41.82		1.0005	1.0005	0	5.35E+06	0.79	0.98	20.8	6.16E+02	0.0316
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0192	-		0.00E+00		1.02	ND	6.16E+02	0.0304
PCB-206 22'33'44'55'6-NoCB	45.85		1.0004	1.0004	0	3.98E+06	0.79	0.93	20.6	6.16E+02	0.04

AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

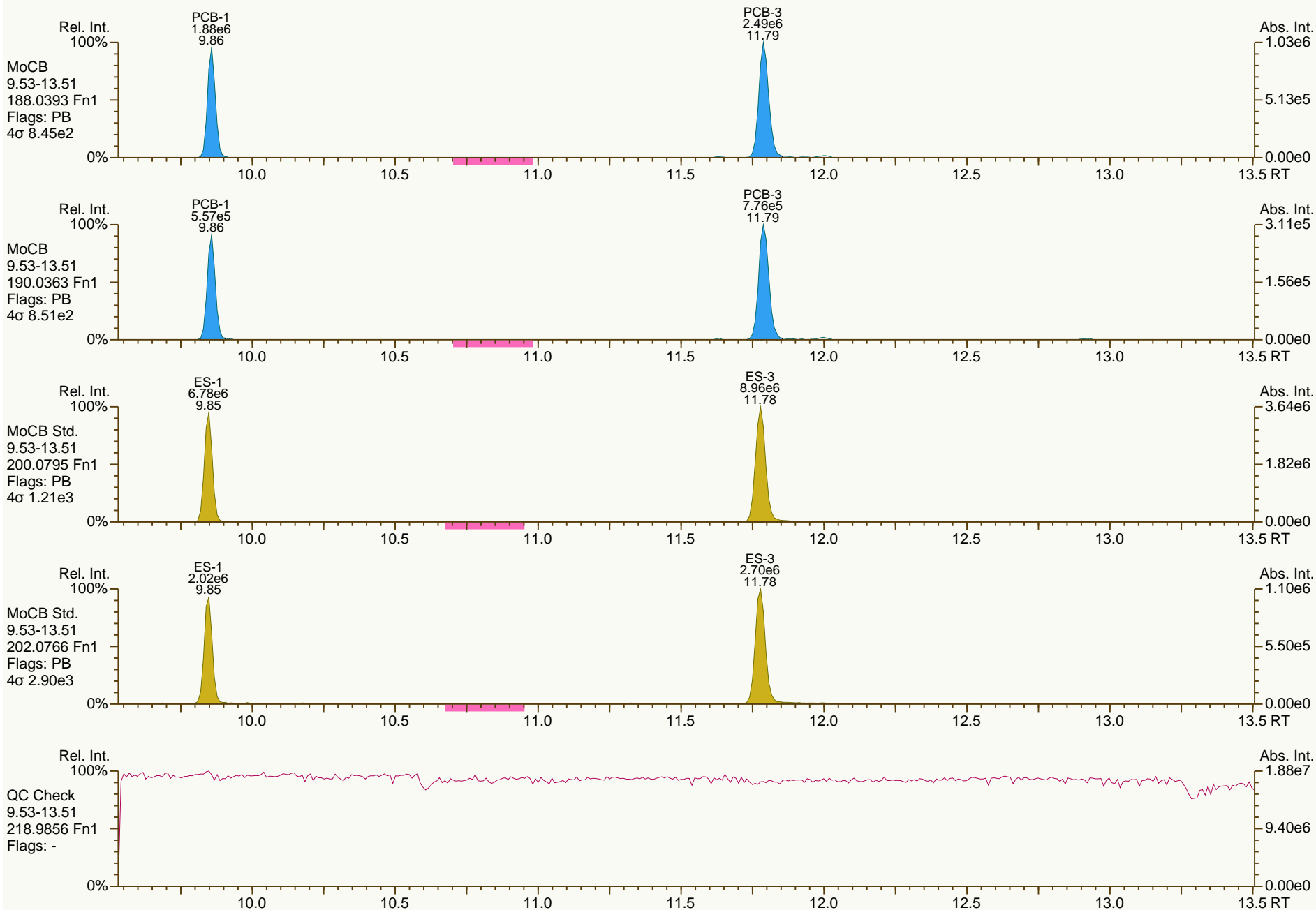
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AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

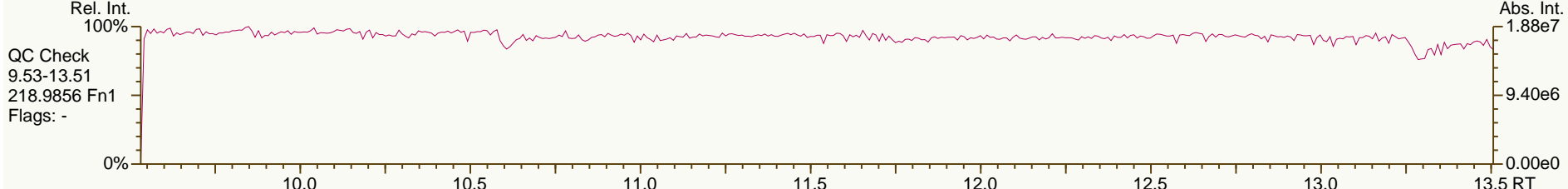
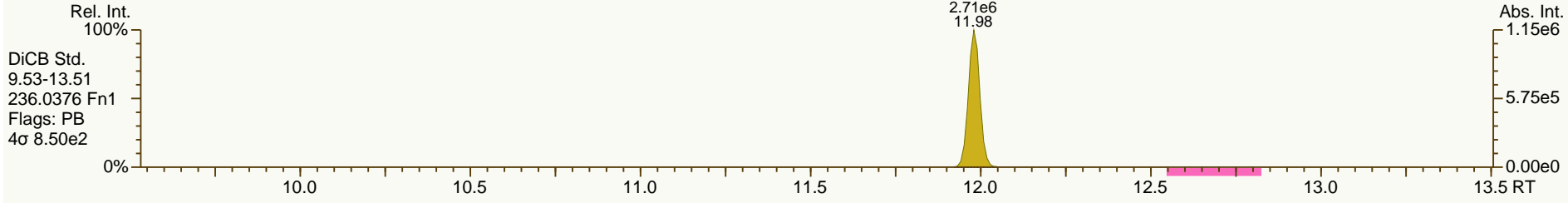
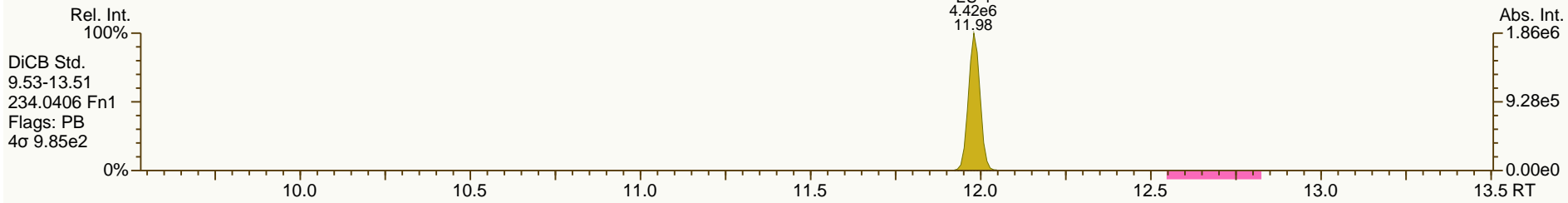
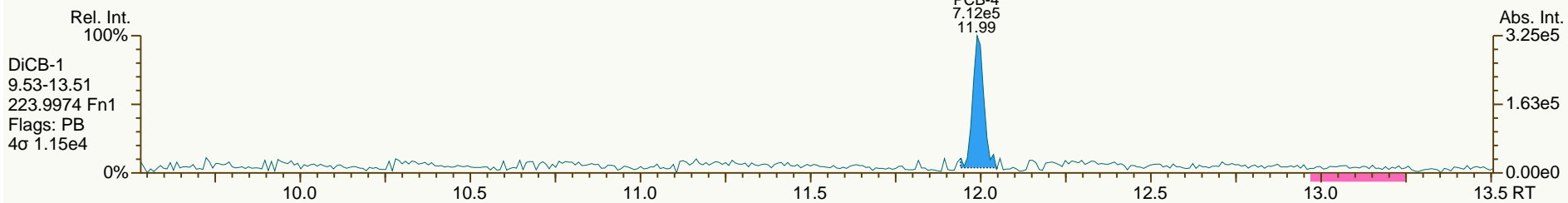
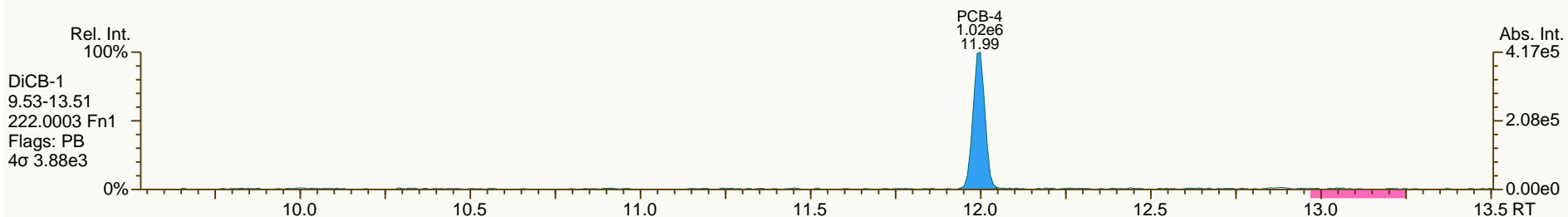
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AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
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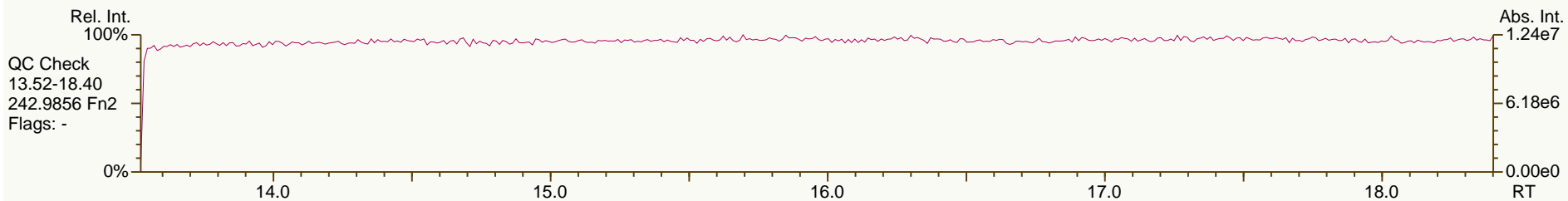
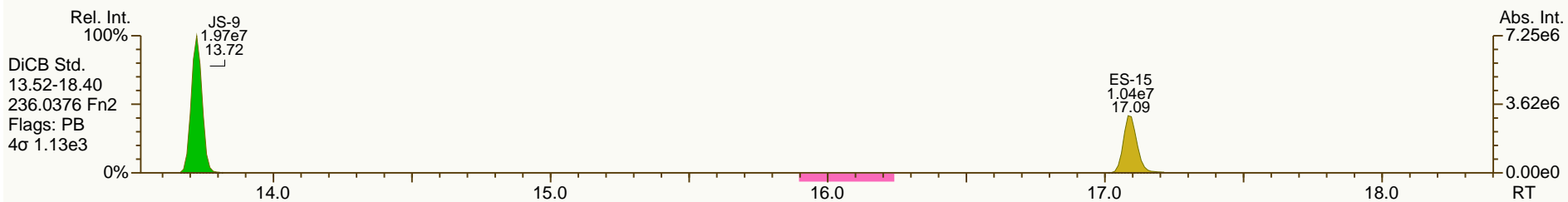
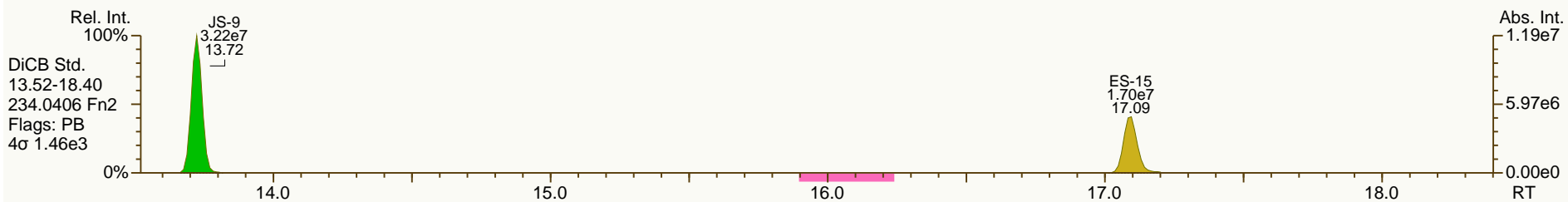
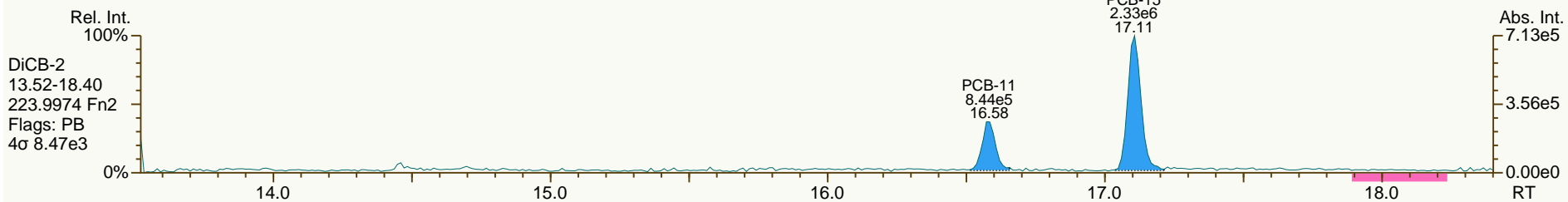
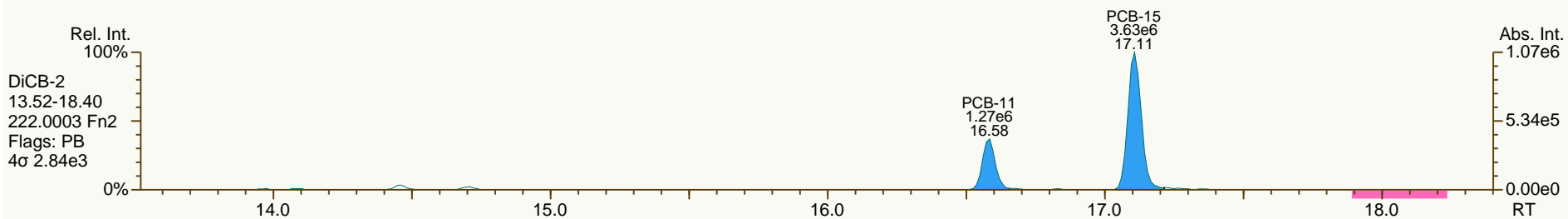
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

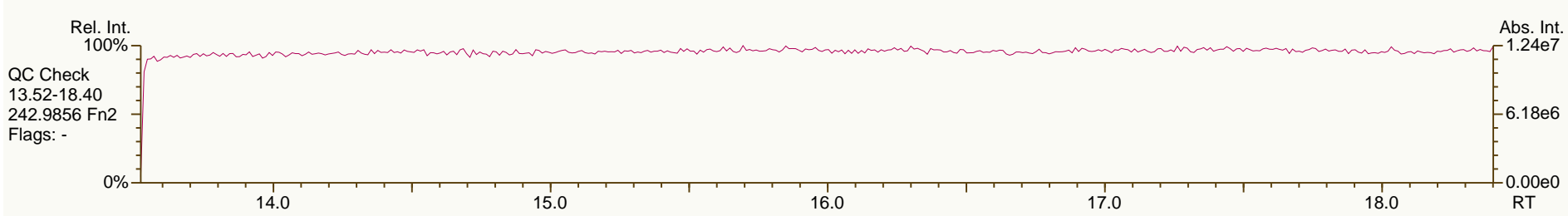
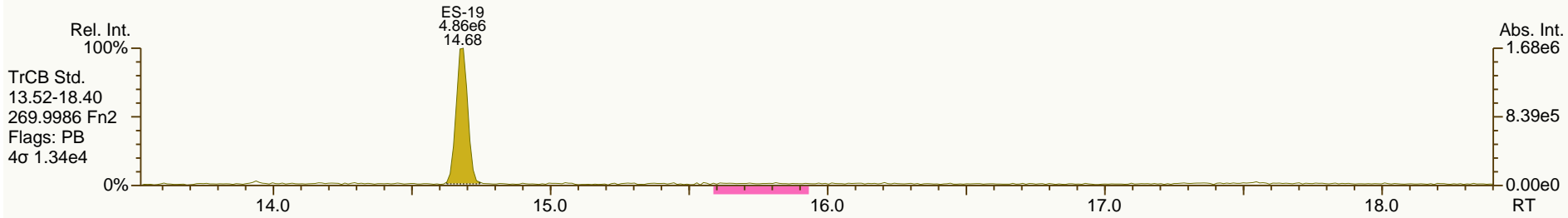
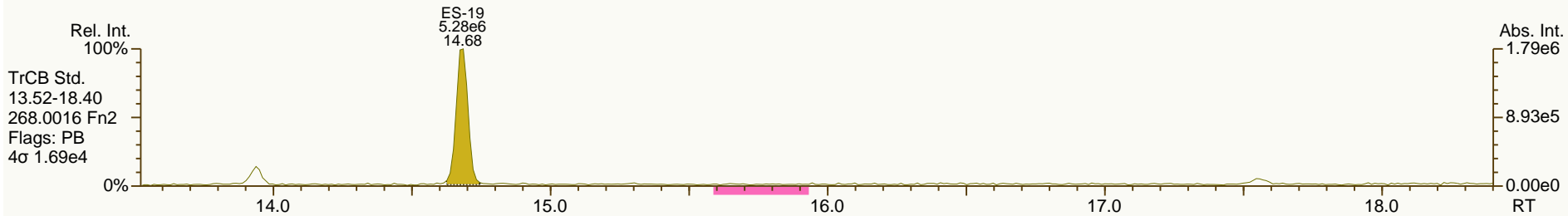
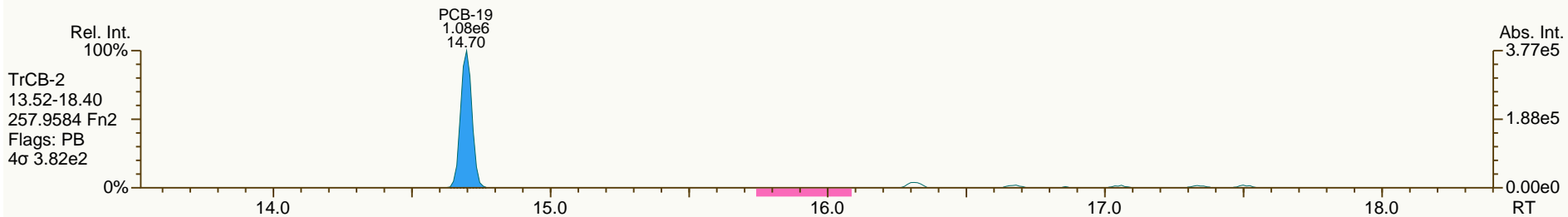
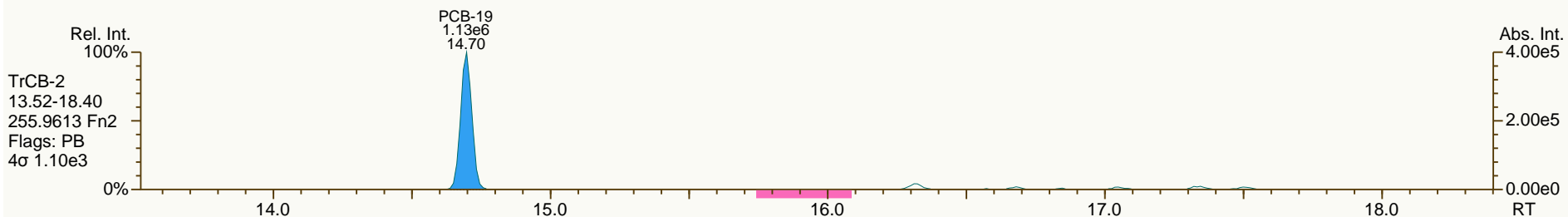
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
 User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

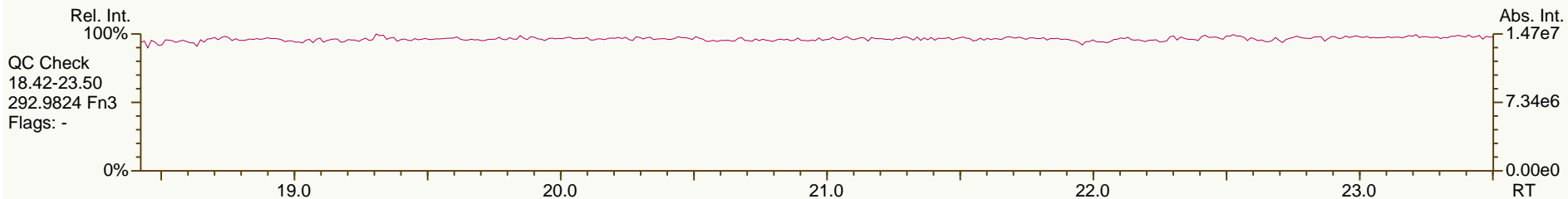
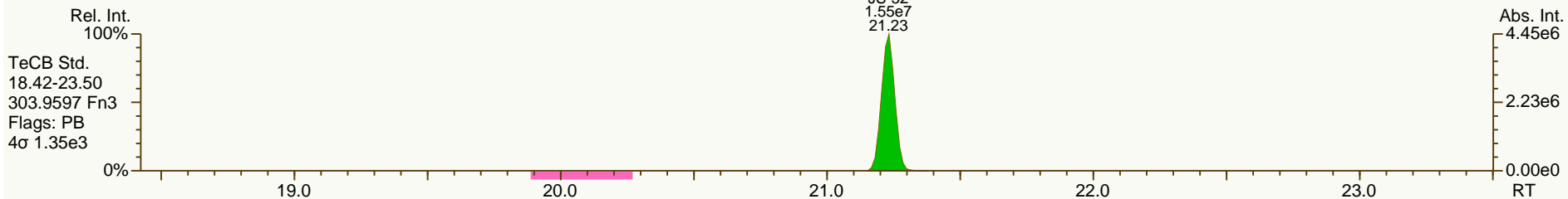
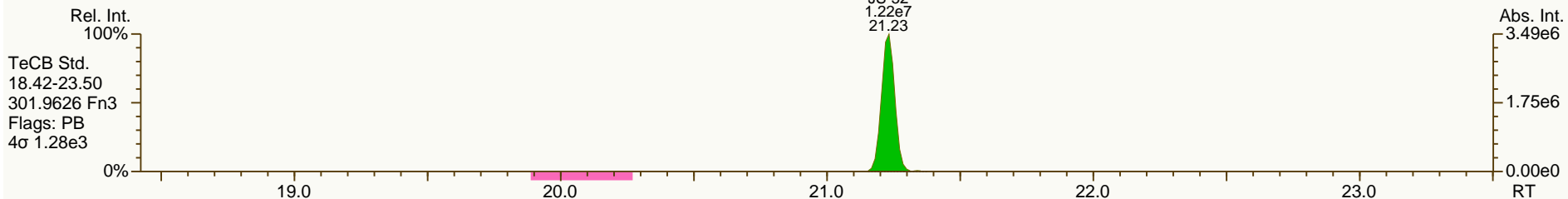
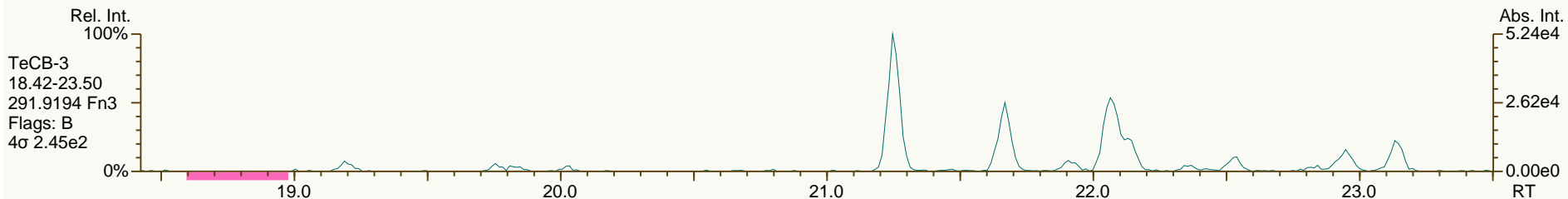
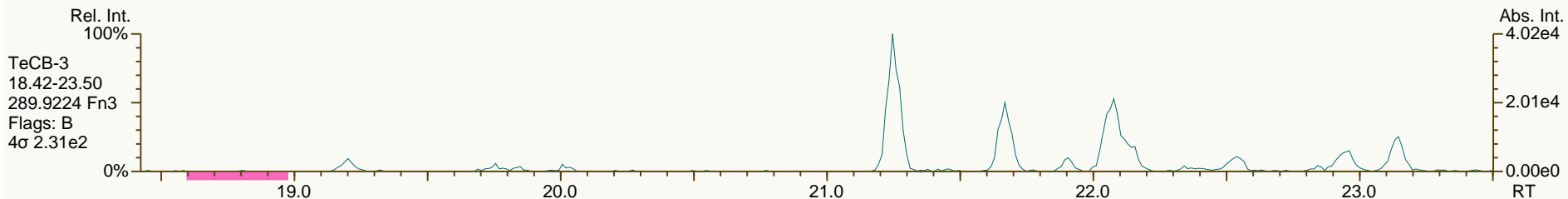
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

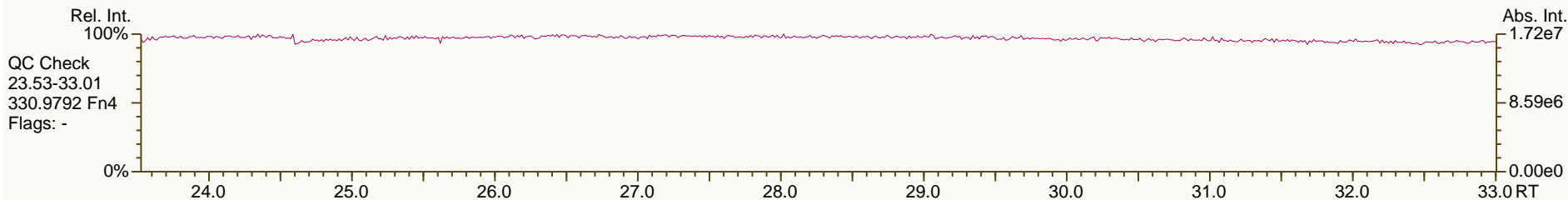
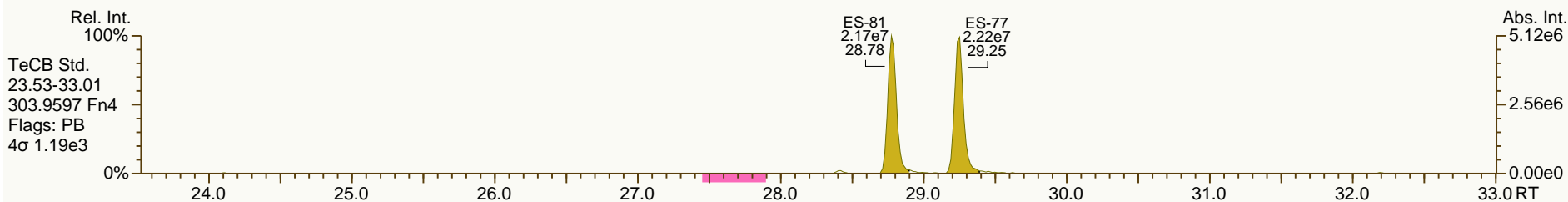
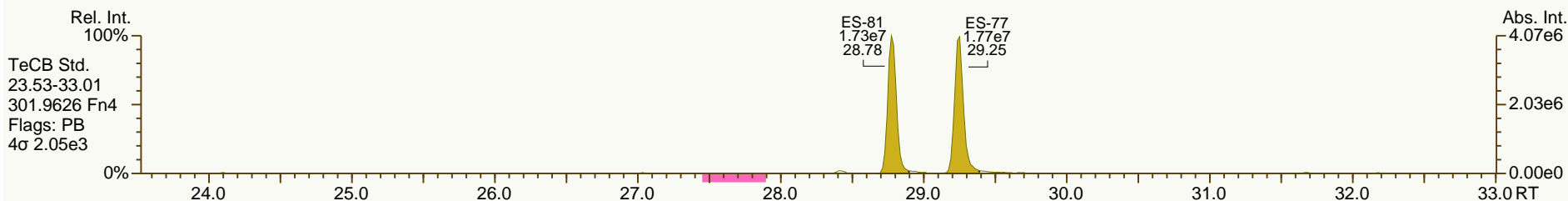
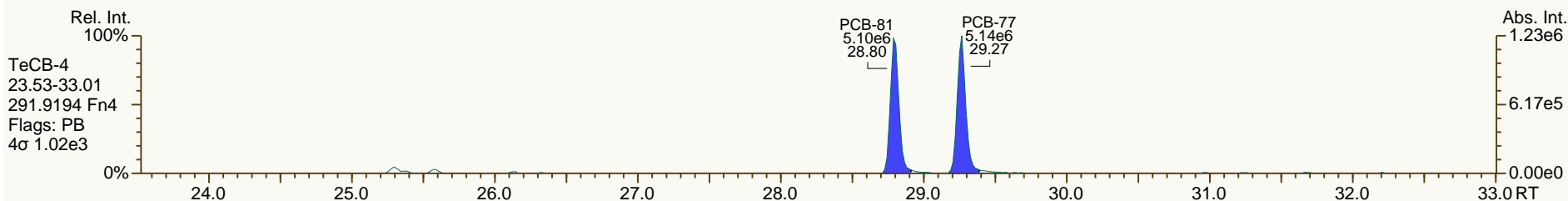
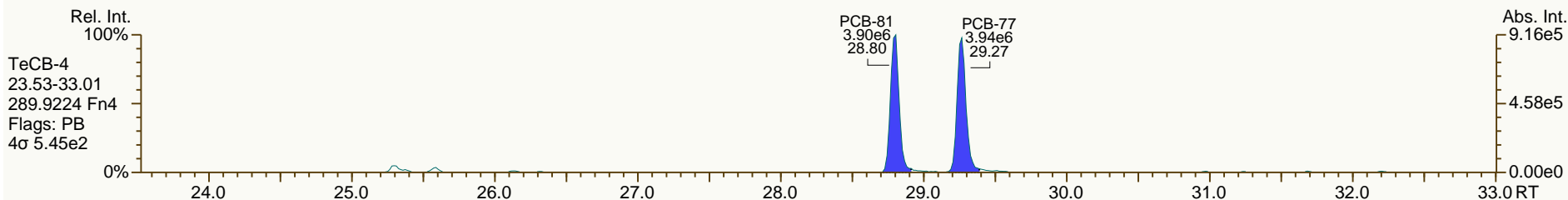
Acq: 05-Jul-2012 12:41:45
 User: LKB Datafile: 120705S02



AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

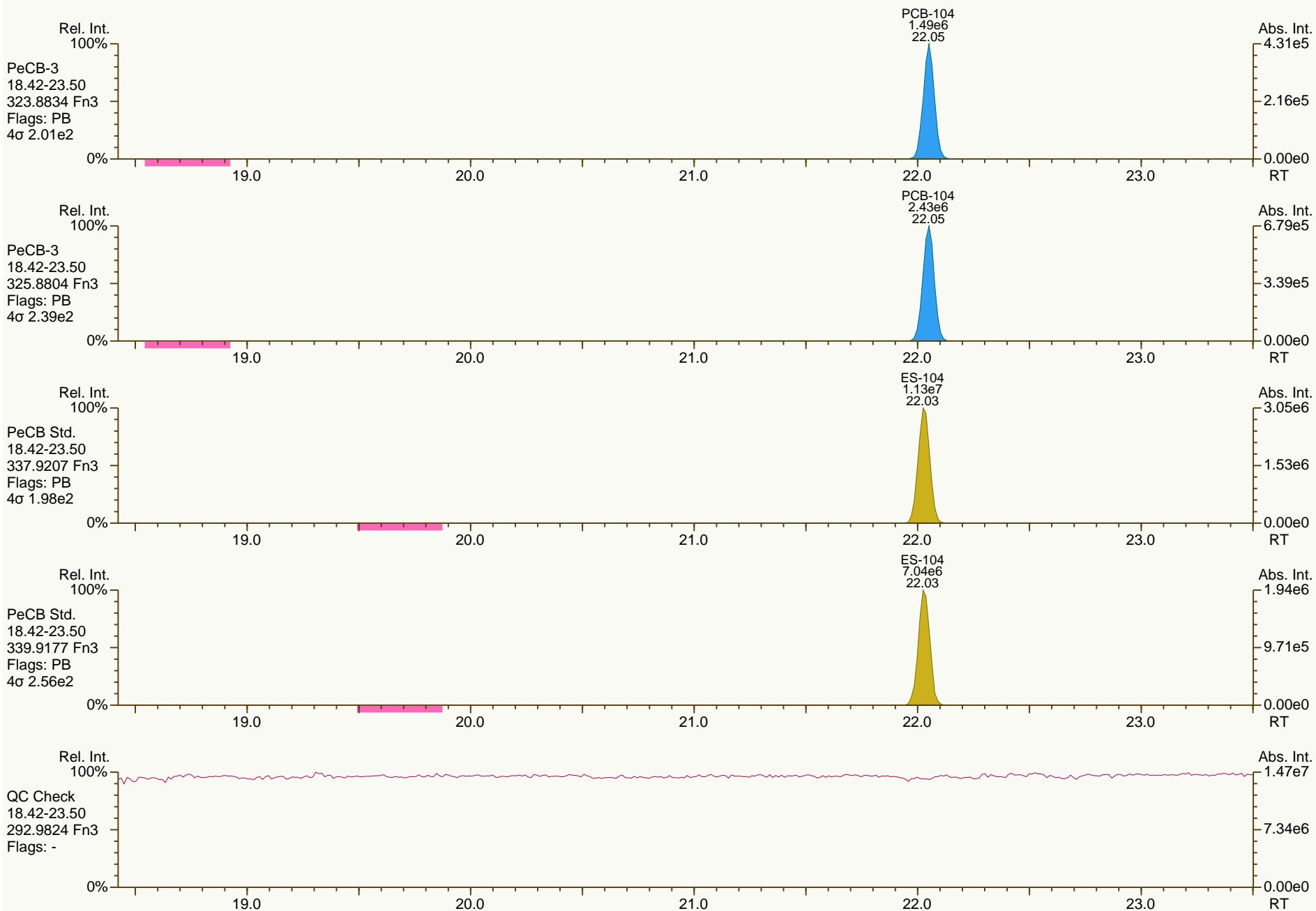
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

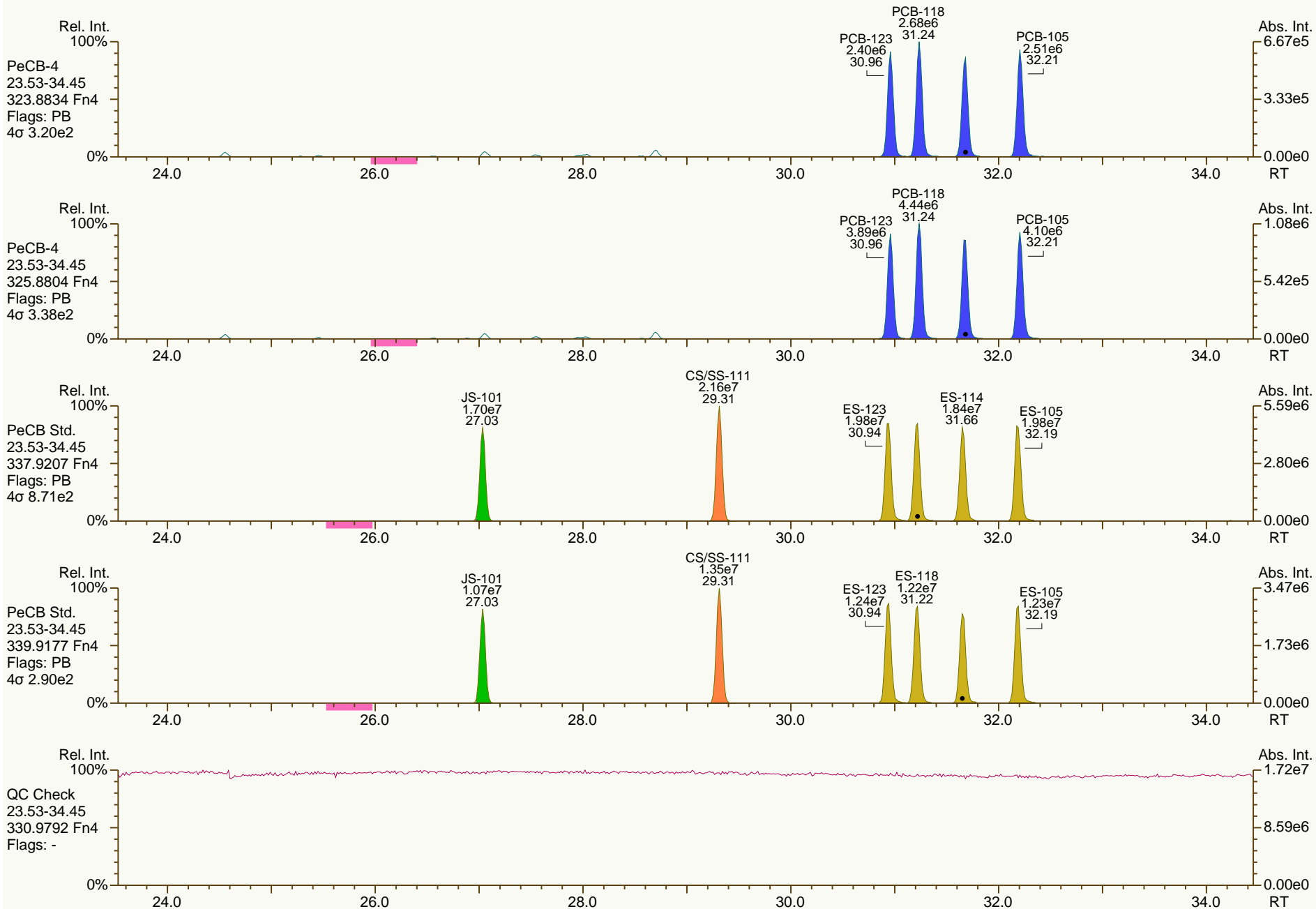
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

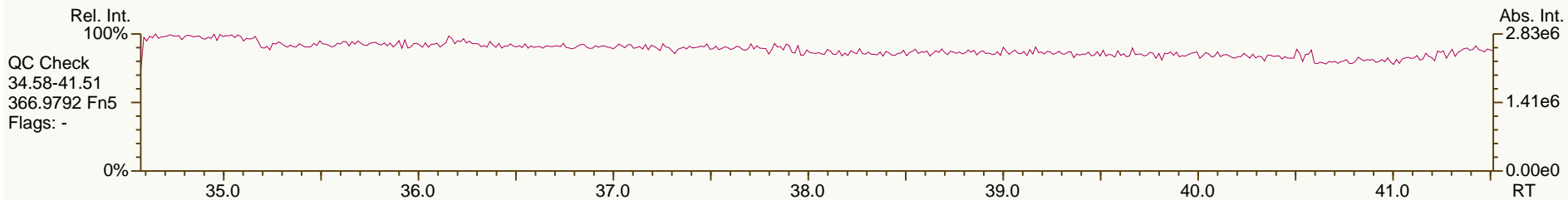
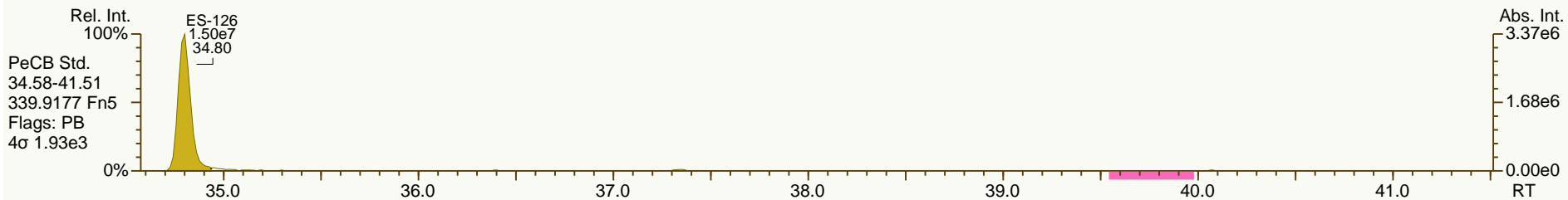
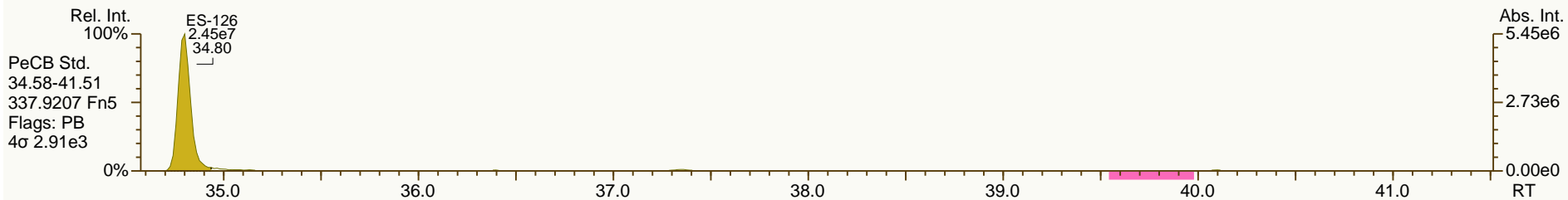
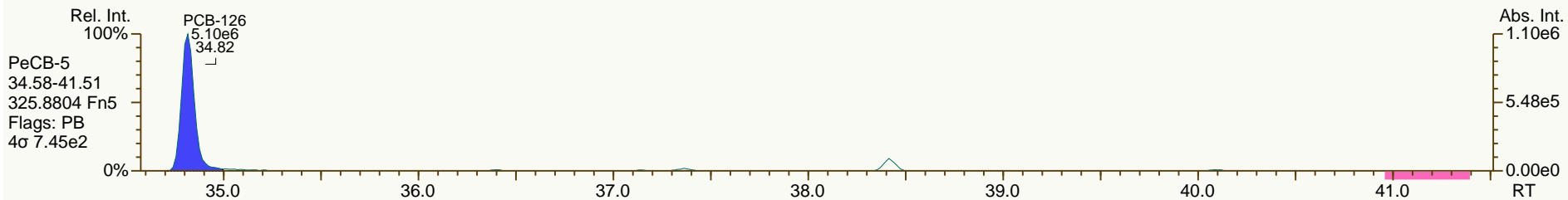
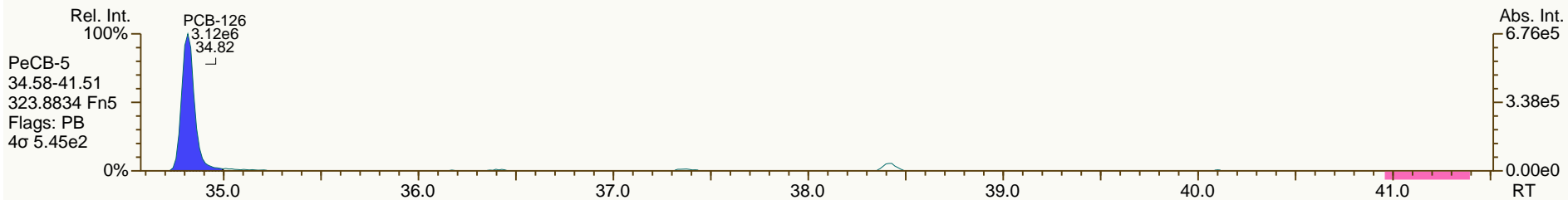
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

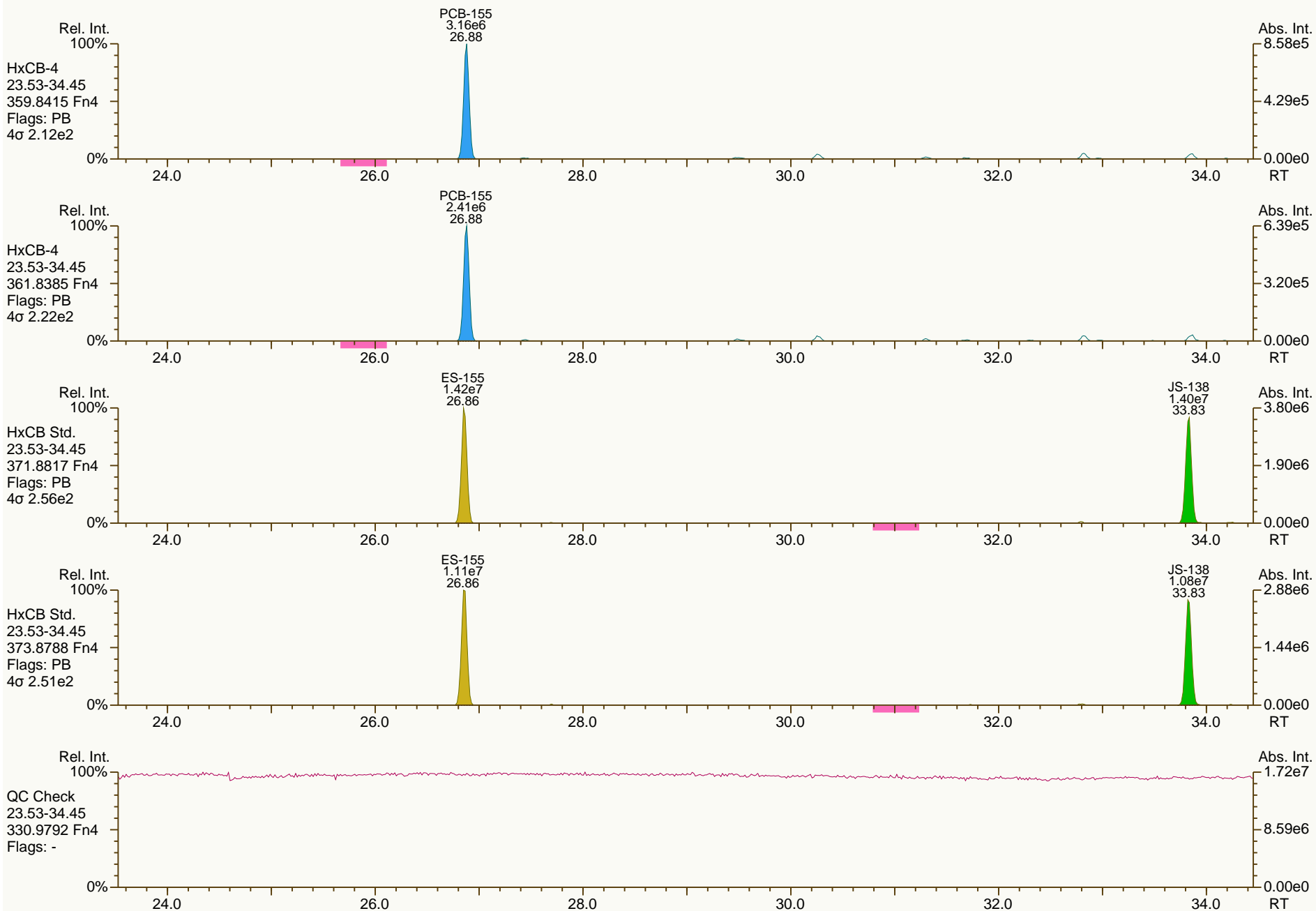
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AP Lab ID: OPR1_9893_PCB-RJ
 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
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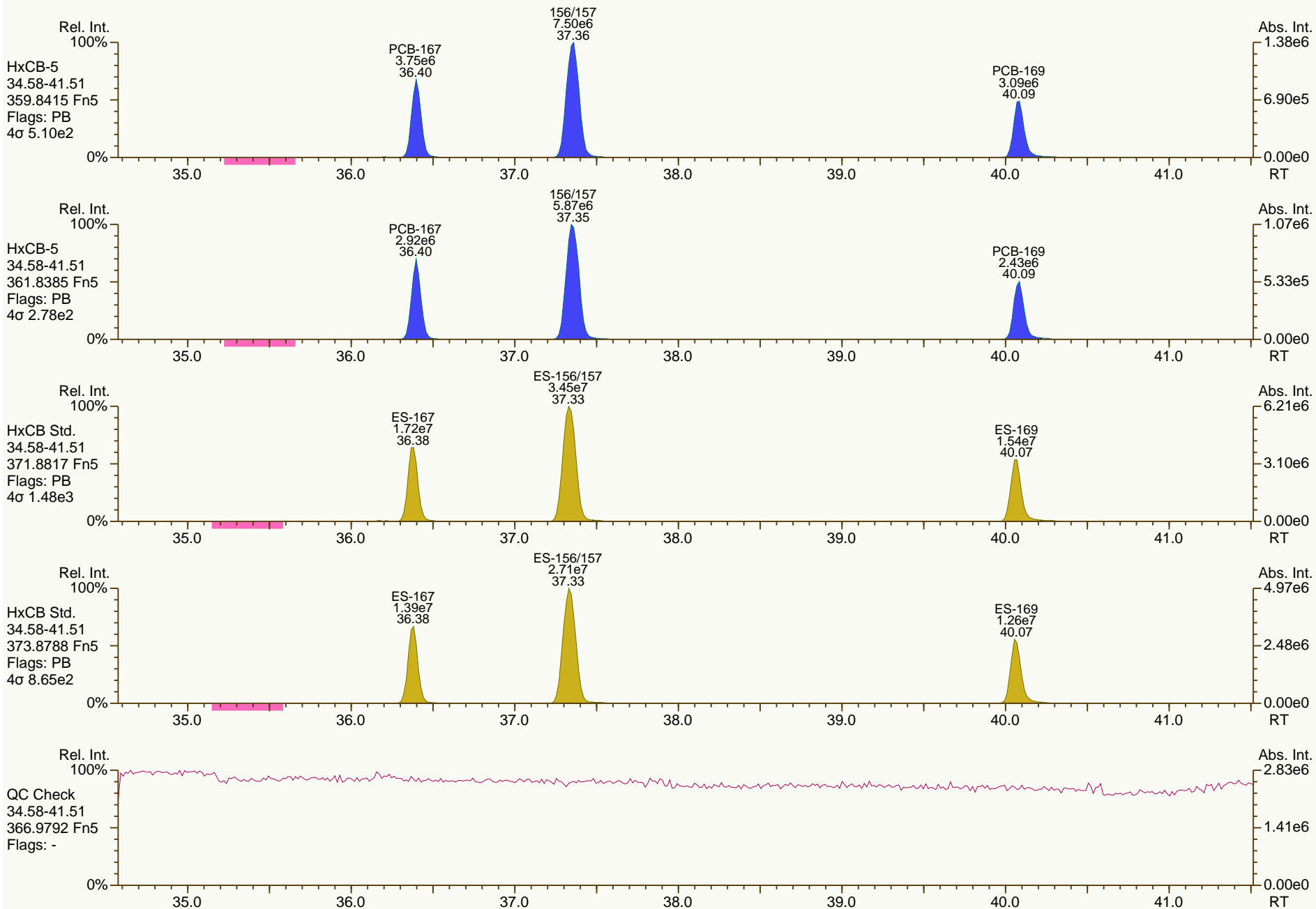
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AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
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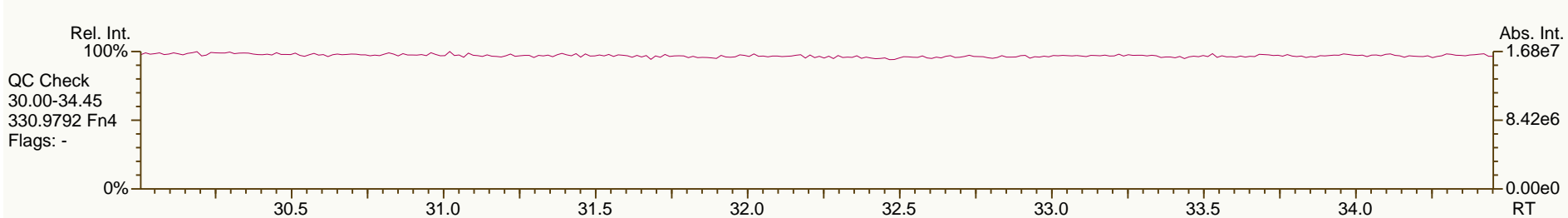
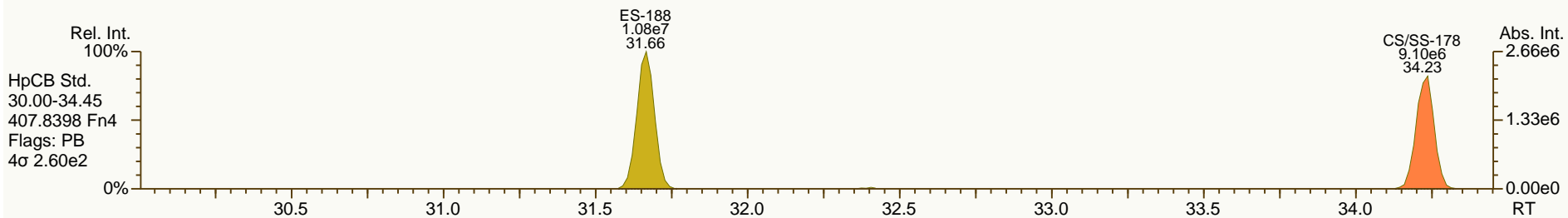
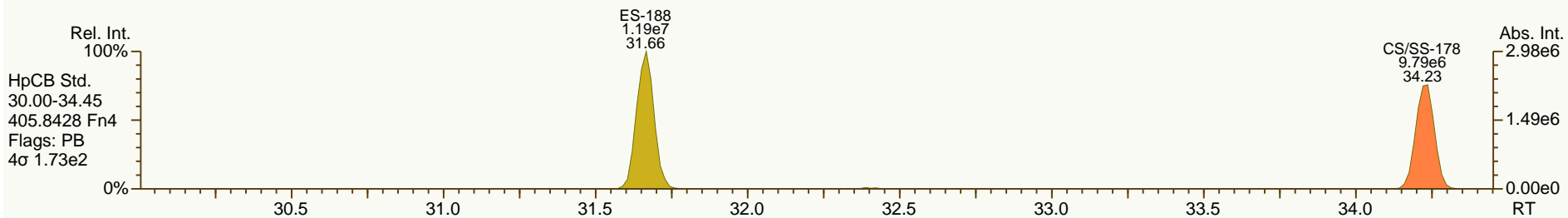
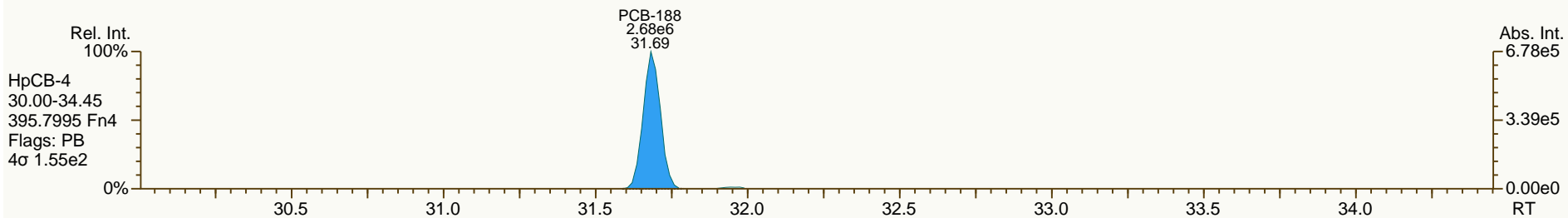
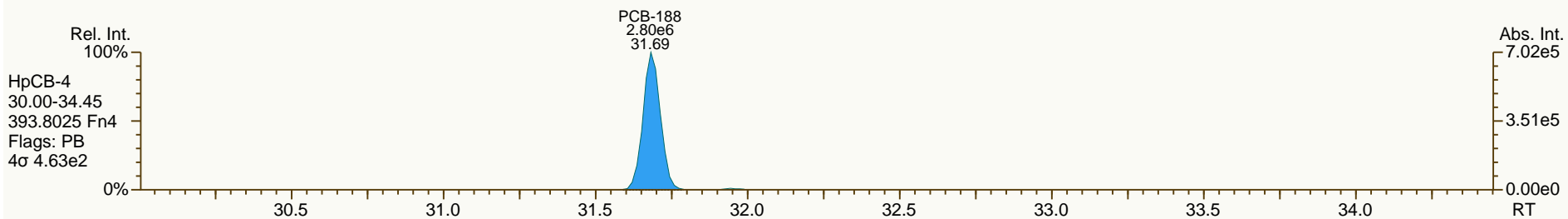
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 Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

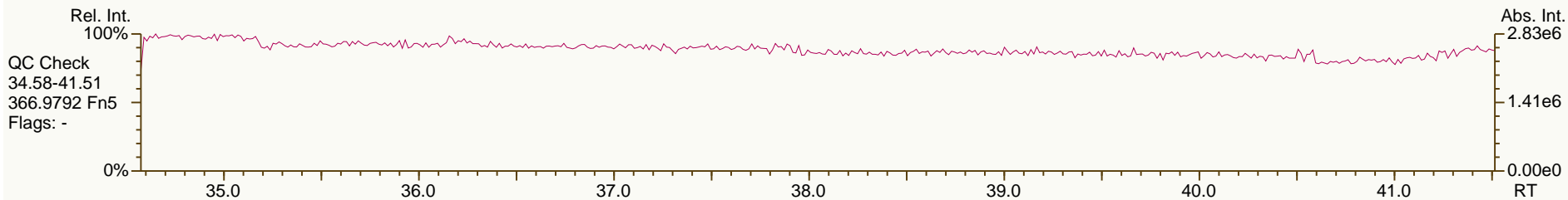
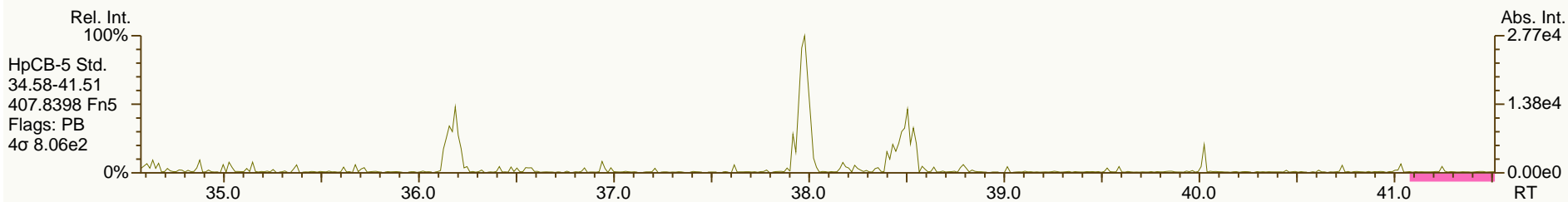
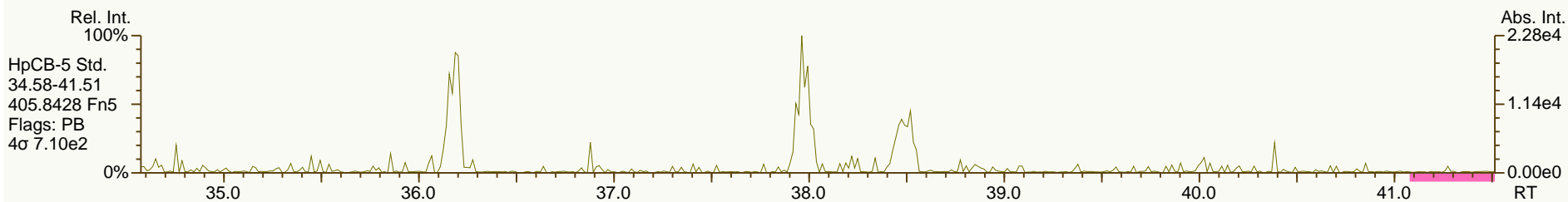
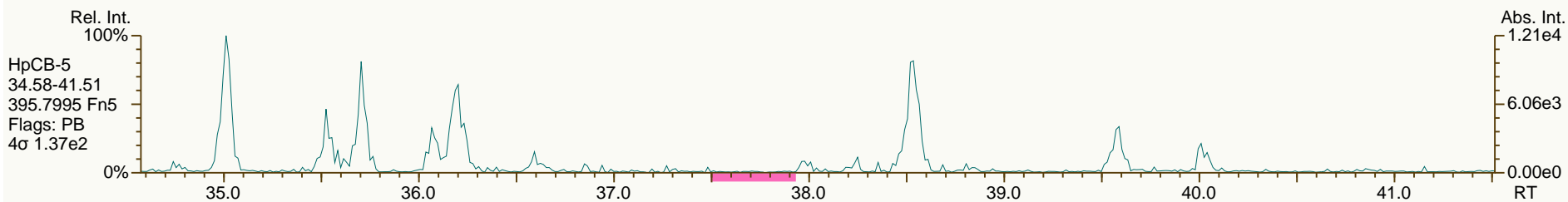
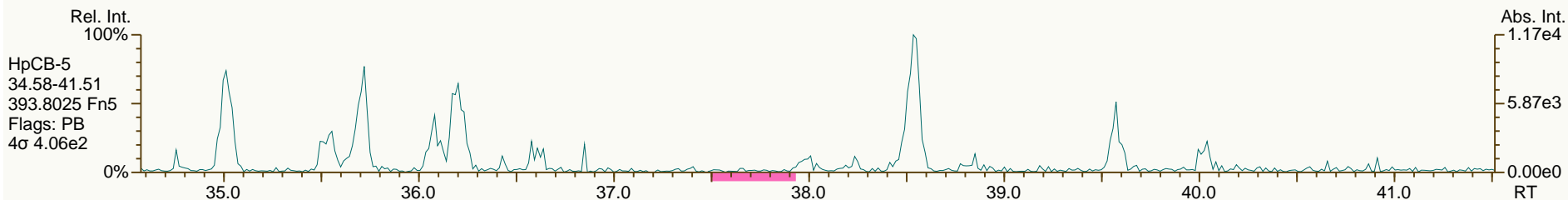
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AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

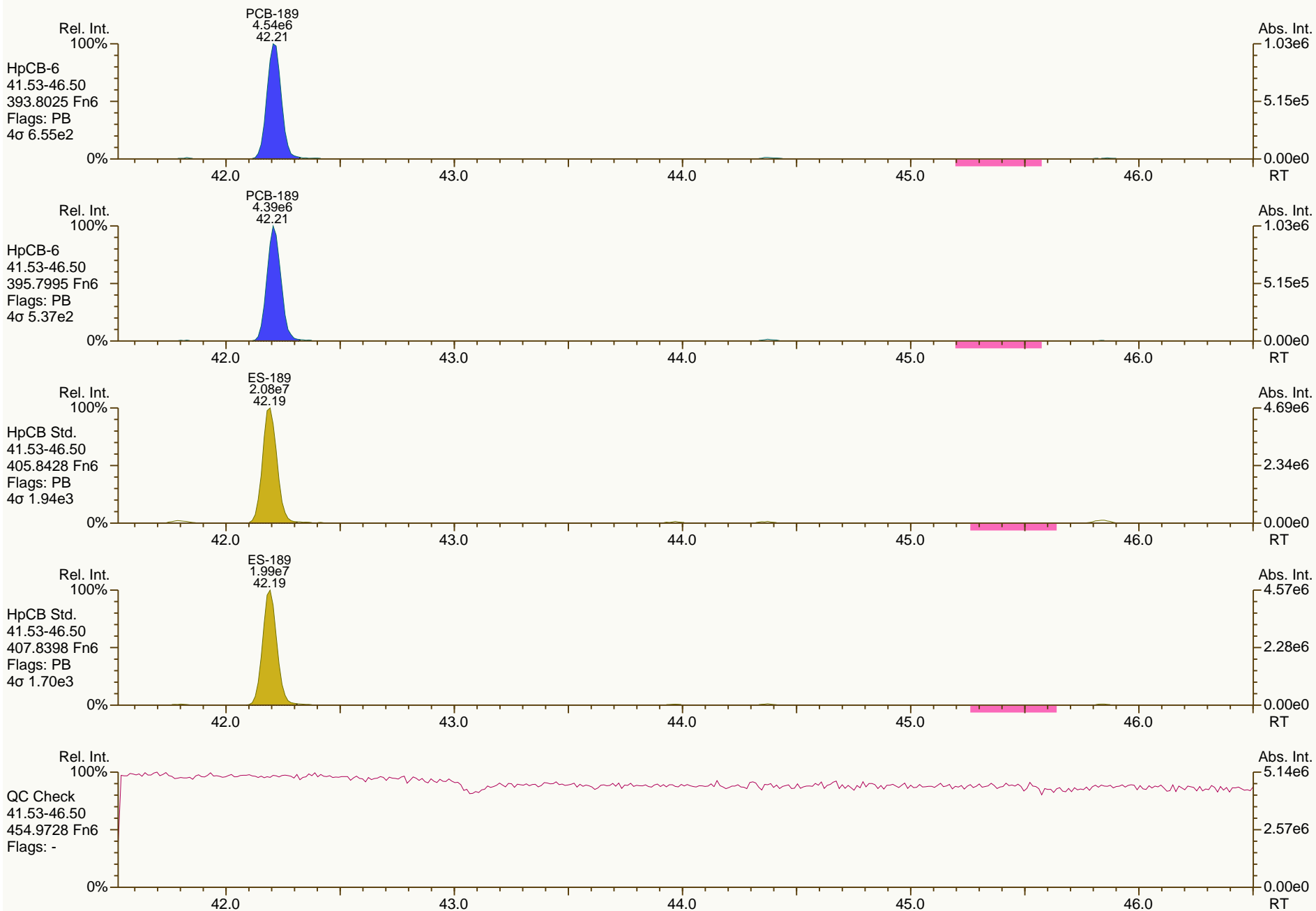
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AP Lab ID: OPR1_9893_PCB-RJ
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Sample ID: OPR #73533
 VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

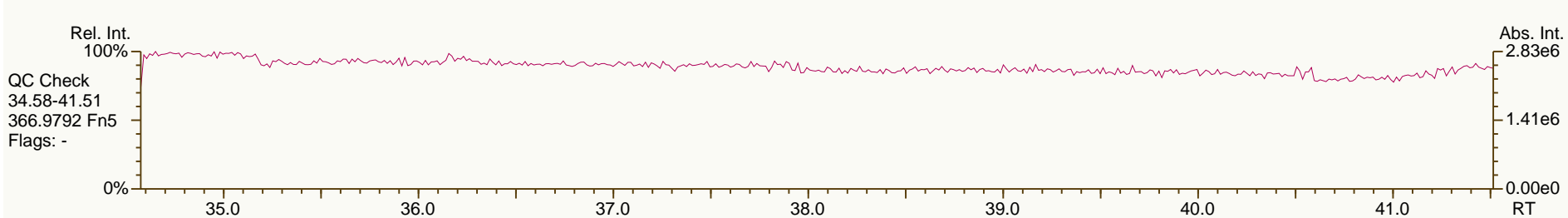
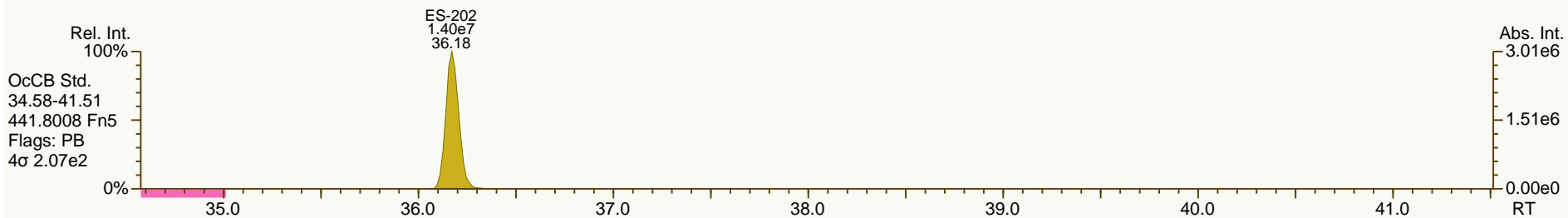
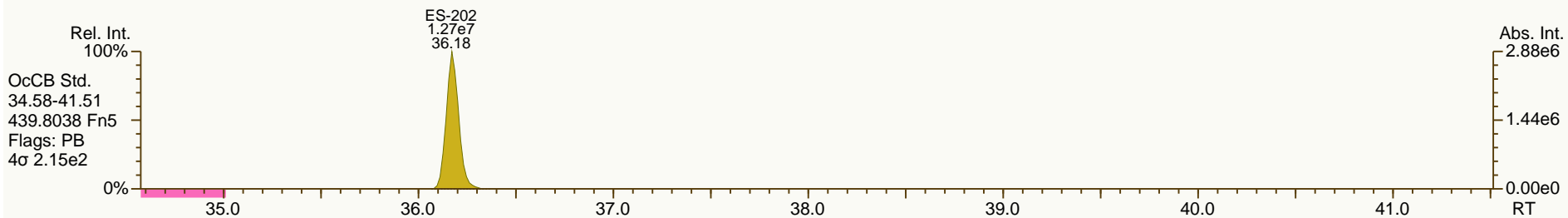
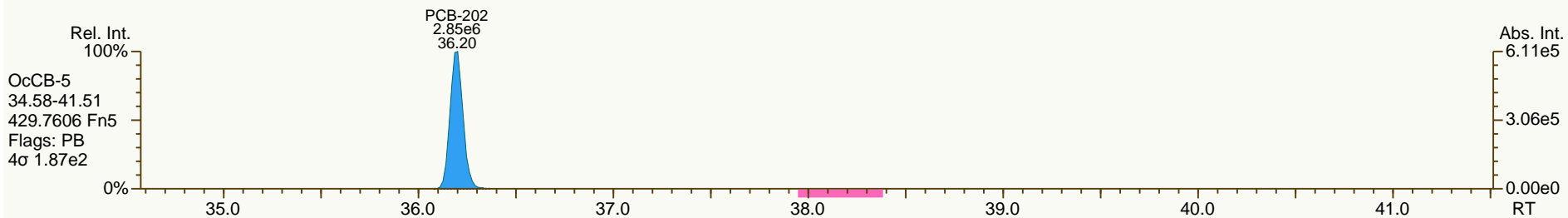
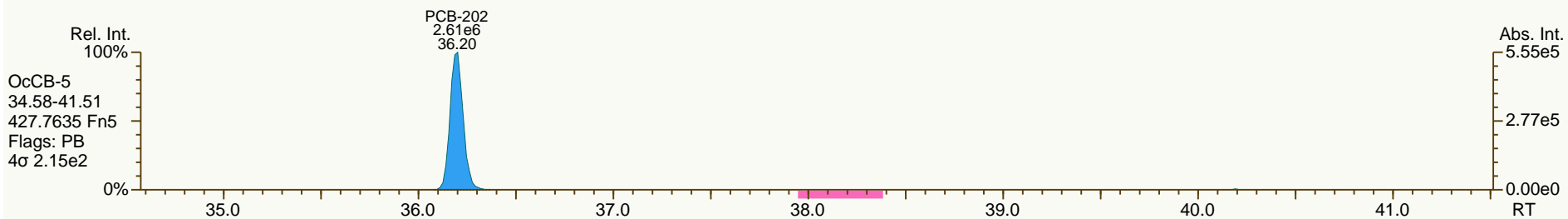
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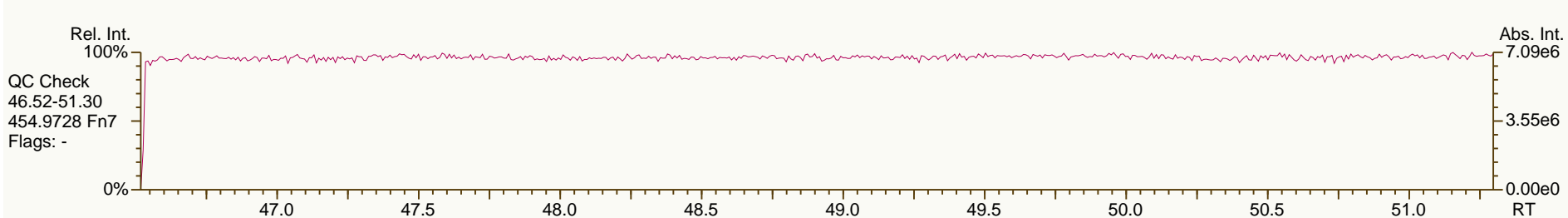
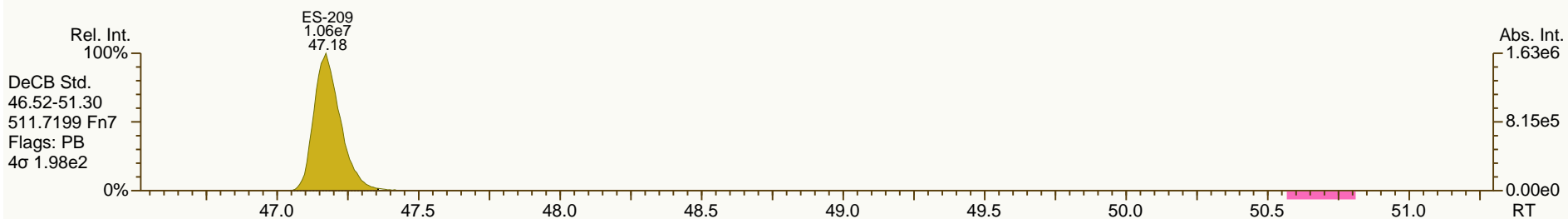
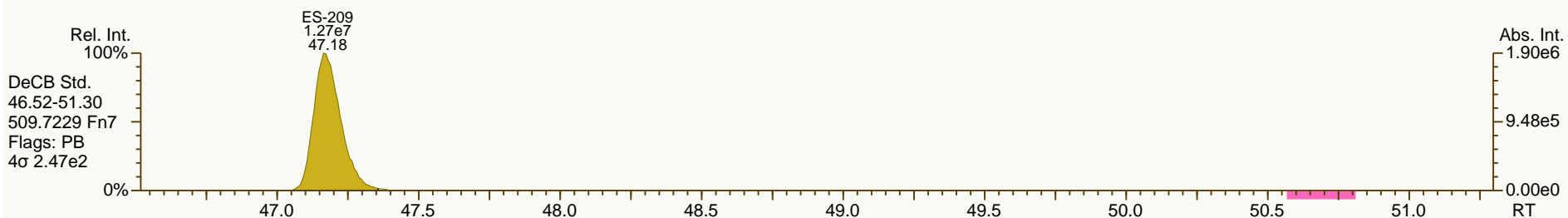
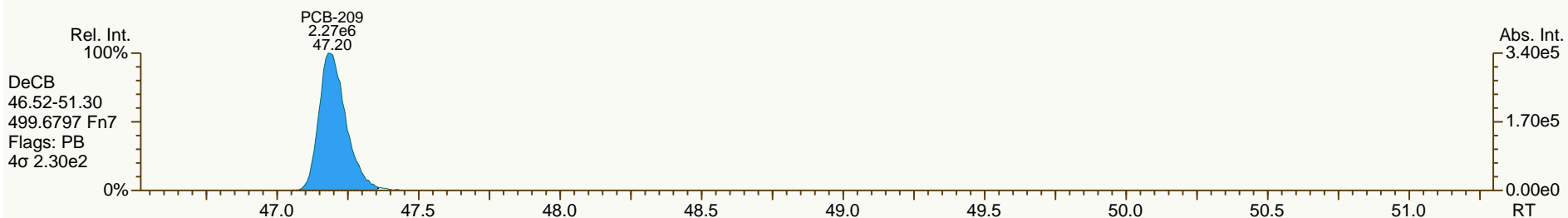
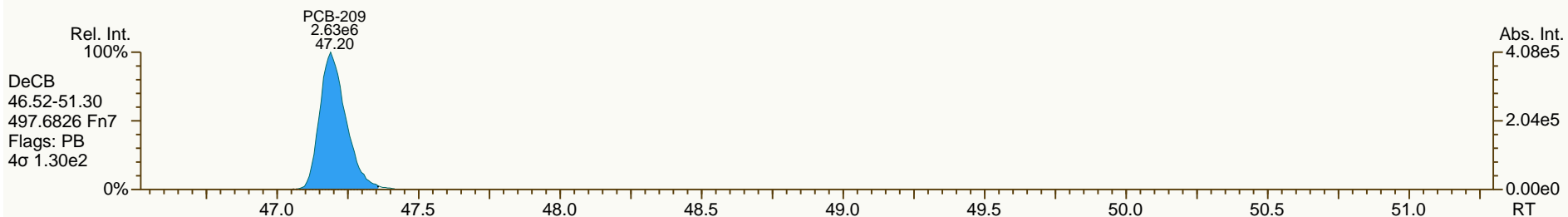
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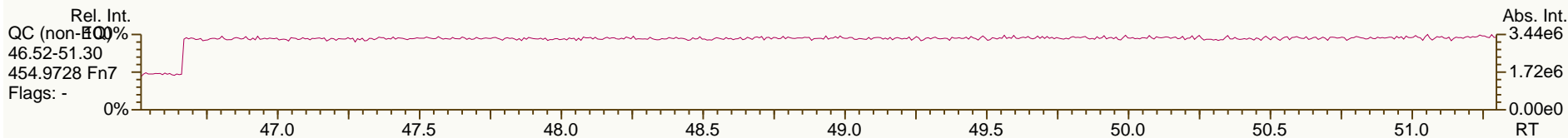
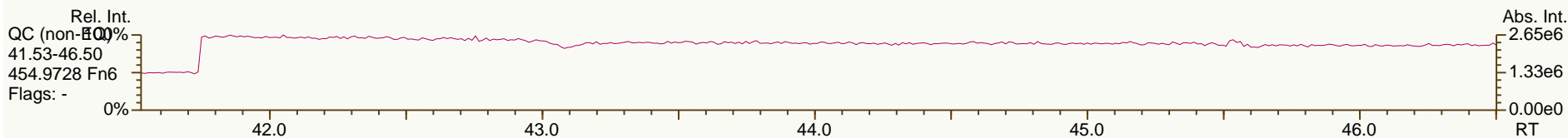
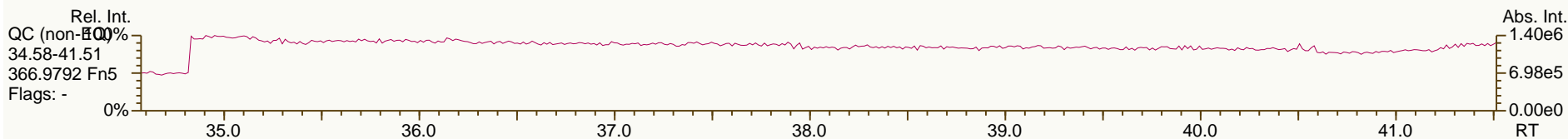
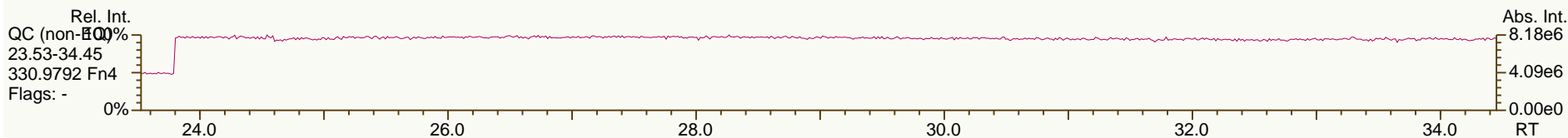
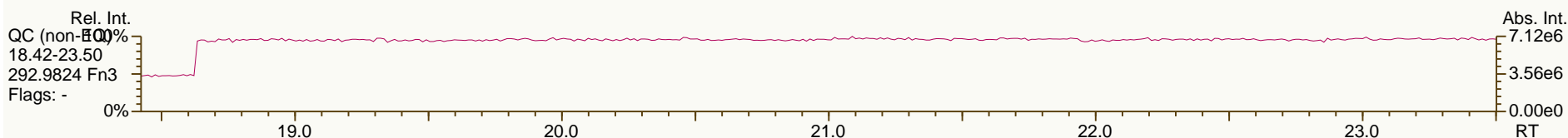
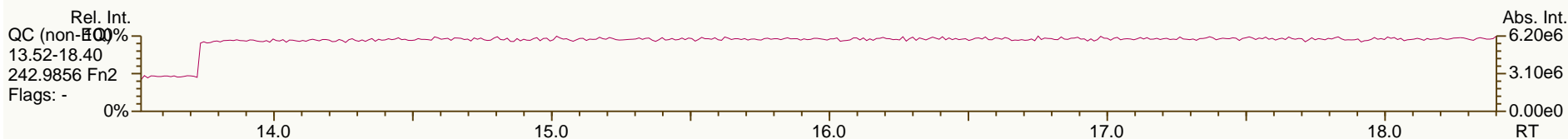
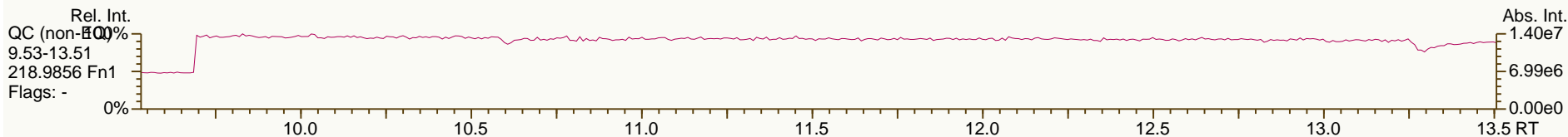
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AP Lab ID: OPR1_9893_PCB-RJ
Instr: AutoSpec-Ultima MM4

Sample ID: OPR #73533
VSIR EI+: pcb-2011-08 GC: pcb90_b Vial: 29

Acq: 05-Jul-2012 12:41:45
User: LKB Datafile: 120705S02





9 July 2012

Delaney Peterson
 Anchor QEA
 720 Olive Way, Suite 1900
 Seattle WA 98101

Ph.: 206-287-9130

Subject: Certificate of Results

Dear Delaney

Attached to this narrative are the analytical results you requested on the sample submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project Name	Jeld_Wen Surface Sediments
AP Project #	A4373
Analytical Protocol	EPA 1668B
No. Samples Submitted	n/a
No. Samples Analyzed	9 (this project number)
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	5/9/2012, 5/11/2012
Condition Received	good
Temperature upon Receipt (C)	3, 11 (see comments)
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	see QA/QC Annotations
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

1. See Appendix A & B for data qualifier, data attribute, and lab identifier information.
2. Sample "JW EA05-COMP-120509" was received at 11 degrees C.
3. In the OPR the recovery PCB-167 is slightly below the lower limit (76.73% vs 79% lower limit). Two labeled standards (PCB-77 and PCB-81) are slightly above the OPR established limits for 1668B. In each case, variances are within the calibration (CS3) variances established for the method. PCB-3 recovery also slightly exceeds OPR limits, but does not represent a significant peak in these samples.

SGS-Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS-Analytical Perspectives welcome customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS-Analytical Perspectives.

Sincerely,

A handwritten signature in black ink that reads "Todd Vilen". The signature is fluid and cursive.

Todd Vilen
Project Scientist



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
*	The reported concentration exceeds the calibration range (upper point of the calibration curve). ¹
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte is found in the method blank, at a level that is $\leq 10x$ the sample concentration.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), where there is a co-eluting interference, or where a single ion is utilized for quantitation due to PFK interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
Ra	The new ratio – [Ra] -- for 2,3,7,8-TCDD following the ³⁷ Cl ₄ -2,3,7,8-TCDD correction is shown between squared brackets in the DL column. ¹
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time




Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

Sample Summary		SGS		ANALYTICAL PERSPECTIVES		1668B				
Analyte	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g
PCB-77	(1.37)	71.8	64.8	54.8	52.4	56.6	83.7	10.8	[1.62]	24.5
PCB-81	(1.35)	(4.95)	(2.05)	[1.84]	2.73	(2.8)	2.51	(1.17)	(0.62)	(1.64)
PCB-105	0.566	4180	1850	1400	2610	1530	930	84.2	9.2	297
PCB-114	(0.374)	207	88	70.2	(0.71)	76.4	45.9	4.06	(0.288)	14
PCB-118	[1.03]	10200	4580	3760	6900	3780	2450	235	23.7	737
PCB-123	(0.401)	169	72.3	57.5	99.4	64.4	40	5.5	[0.423]	11
PCB-126	(0.409)	8.96	6.09	5.32	5.8	3.86	5.29	(0.702)	(0.223)	2.14
PCB-156/157	(0.5)	1820	694	622	1170	640	345	44.2	[2.72]	107
PCB-167	(0.306)	468	178	160	300	168	93.8	15.8	1.03	29.5
PCB-169	(1.29)	(1.58)	4.02	(1.1)	(0.859)	(1.82)	(1.35)	(0.946)	(0.311)	(1.07)
PCB-189	(0.397)	54.2	25.5	21.4	34.6	22.1	14.4	3.48	[0.221]	5.24
Total Mono-CBs	(1.75)	53.4	59.5	74.8	43.4	58.8	79.4	19.7	5.28	36.4
Total Di-CBs	7.6	315	321	257	248	322	502	432	21.8	135
Total Tri-CBs	(2.09)	1440	1120	1000	816	1450	2210	3650	70.8	628
Total Tetra-CBs	3.36	15900	9210	6620	9240	7270	8470	5260	124	2470
Total Penta-CBs	8.22	68400	29900	24100	42800	25900	15800	2000	157	5310
Total Hexa-CBs	[4.69]	47100	19000	15500	28000	17500	10100	1740	141	3360
Total Hepta-CBs	(0.497)	6690	3810	2700	3890	3220	2190	622	50.2	881
Total Octa-CBs	(0.562)	1100	1680	543	825	1660	1060	182	15.3	264
Total Nona-CBs	(3.33)	222	1190	109	211	643	370	39	5.15	61
PCB-209	(1.14)	29.9	187	32.8	30.6	61	54.9	26	2.31	21.7
TEQs (WHO 2005 M/H)										
ND = 0; EMPC = 0	0.000017	1.42	0.961	0.721	0.919	0.58	0.656	0.0128	0.00102	0.252
ND = 0; EMPC = EMPC	0.0000478	1.42	0.961	0.721	0.919	0.58	0.656	0.0128	0.00128	0.252
ND = DL/2; EMPC = 0	0.0401	1.44	0.961	0.738	0.932	0.608	0.676	0.0623	0.017	0.268
ND = DL/2; EMPC = EMPC	0.0401	1.44	0.961	0.738	0.932	0.608	0.676	0.0623	0.0172	0.268
ND = DL; EMPC = 0	0.0802	1.47	0.962	0.754	0.945	0.636	0.696	0.112	0.0329	0.285
ND = DL; EMPC = EMPC	0.0802	1.47	0.962	0.754	0.945	0.636	0.696	0.112	0.0331	0.285


Checkcode 743-689-ZOQ 202-931-PHY 883-062-SLJ 125-675-SHW 131-277-KHP 638-331-SWG 868-230-FVL 883-780-LPX 627-948-LVF 864-538-JYB

() = DL
[] = EMPC

Sample Summary (Wet Weight)											1668B
Analyte	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507	
	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	Conc. pg/g	
PCB-77	(1.37)	43.7	37.4	35.1	31.4	32.6	49	4.75	[1.07]	14.3	
PCB-81	(1.35)	(3.02)	(1.19)	[1.18]	1.63	(1.62)	1.47	(0.515)	(0.411)	(0.958)	
PCB-105	0.566	2550	1070	900	1560	883	545	37.1	6.1	173	
PCB-114	(0.374)	126	50.8	45	(0.425)	44.1	26.9	1.79	(0.191)	8.14	
PCB-118	[1.03]	6220	2640	2410	4130	2180	1430	103	15.7	430	
PCB-123	(0.401)	103	41.7	36.9	59.5	37.1	23.4	2.42	[0.28]	6.42	
PCB-126	(0.409)	5.45	3.51	3.41	3.47	2.23	3.1	(0.31)	(0.148)	1.25	
PCB-156/157	(0.5)	1110	401	399	702	370	202	19.5	[1.8]	62.4	
PCB-167	(0.306)	285	103	103	179	97.1	55	6.98	0.683	17.2	
PCB-169	(1.29)	(0.963)	2.32	(0.706)	(0.515)	(1.05)	(0.793)	(0.417)	(0.207)	(0.621)	
PCB-189	(0.397)	33	14.7	13.7	20.7	12.7	8.44	1.53	[0.147]	3.05	
Total Mono-CBs	(1.75)	32.5	34.4	47.9	26	33.9	46.5	8.67	3.5	21.2	
Total Di-CBs	7.6	192	185	165	149	186	294	190	14.5	78.5	
Total Tri-CBs	(2.09)	874	647	643	489	837	1290	1610	47	366	
Total Tetra-CBs	3.36	9710	5310	4240	5530	4190	4960	2320	82	1440	
Total Penta-CBs	8.22	41700	17200	15400	25600	15000	9260	882	104	3090	
Total Hexa-CBs	[4.69]	28700	11000	9910	16700	10100	5940	765	93.4	1960	
Total Hepta-CBs	(0.497)	4070	2200	1730	2330	1860	1290	274	33.3	514	
Total Octa-CBs	(0.562)	670	967	348	494	960	624	80.3	10.1	154	
Total Nona-CBs	(3.33)	135	684	69.6	126	371	217	17.2	3.42	35.6	
PCB-209	(1.14)	18.2	108	21	18.3	35.2	32.2	11.5	1.53	12.7	
TEQs (WHO 2005 M/H)											
ND = 0; EMPC = 0	0.000017	0.862	0.554	0.462	0.551	0.335	0.384	0.00566	0.000675	0.147	
ND = 0; EMPC = EMPC	0.0000478	0.862	0.554	0.462	0.551	0.335	0.384	0.00566	0.000849	0.147	
ND = DL/2; EMPC = 0	0.0401	0.877	0.555	0.473	0.558	0.351	0.396	0.0275	0.0113	0.156	
ND = DL/2; EMPC = EMPC	0.0401	0.877	0.555	0.473	0.558	0.351	0.396	0.0275	0.0114	0.156	
ND = DL; EMPC = 0	0.0802	0.892	0.555	0.484	0.566	0.367	0.408	0.0493	0.0218	0.166	
ND = DL; EMPC = EMPC	0.0802	0.892	0.555	0.484	0.566	0.367	0.408	0.0493	0.022	0.166	

Checkcode 743-689-ZOQ 202-931-PHY 883-062-SLJ 125-675-SHW 131-277-KHP 638-331-SWG 868-230-FVL 883-780-LPX 627-948-LVF 864-538-JYB

() = DL
[] = EMPC

PCB Recoveries											1668B
Standard	MB #75624	JW-EA10-SS39-120507	JW-EA10-SS43-120507	JW-EA10-SS41-120507	JW-EA10-SS42-120507	JW-EA10-SS40-120507	JW-EA10-SS90-120507	JW-EA01-COMP-120507	JW-EA05-COMP-120509	JW-EA07-COMP-120507	
ES PCB-1	58.8	54.5	54.8	45.3	53.8	50.5	49.6	49.2	57.5	60.1	
ES PCB-3	56.7	56	54.1	46.2	54.5	49.8	52.3	53.5	59.9	62.6	
ES PCB-4	55.2	59.6	53.2	46	53.5	49.8	52.6	53	58.7	62.6	
ES PCB-15	70.5	87.3	82.8	74.9	83.5	78.9	91	90.8	88.3	93	
ES PCB-19	67.8	79.5	74.8	65.5	76.7	66.1	75.9	79.2	84.8	88.9	
ES PCB-37	71.2	90	85.9	71.2	89.1	79	80.4	87.4	99.8	102	
ES PCB-54	58.4	63.6	59.2	49.1	61.6	54.6	65.1	62.4	63.5	71.3	
ES PCB-77	103	106	102	79.2	107	105	94.2	99.3	148	127	
ES PCB-81	110	123	114	87.2	118	112	96.7	107	149	134	
ES PCB-104	48.5	57.3	54.4	42.4	54.7	47.5	62.1	60.4	51.9	57.2	
ES PCB-105	81.8	67.6	62.6	49	61.9	63.7	64.1	63.9	78.6	71.5	
ES PCB-114	73.5	77.2	73.6	55.6	75.8	70.8	80	76.2	92.7	80	
ES PCB-118	77.5	83.4	76.7	57.4	77.3	72.6	81.9	79.1	93.2	82.4	
ES PCB-123	72.8	77	72	51.8	73.6	67.9	74.7	72.7	85.8	77.3	
ES PCB-126	70.2	78.5	78.6	65.3	76.2	68.8	83.3	81.3	99.2	80.9	
ES PCB-155	79.5	102	98.3	79	109	99.9	103	113	104	105	
ES PCB-156/157	91.6	112	105	80.1	109	105	110	113	133	103	
ES PCB-167	107	124	116	86.8	117	113	115	120	139	113	
ES PCB-169	29.5	73.7	96.9	63.9	69.8	82.5	53.2	96.4	113	91.2	
ES PCB-188	68.3	77.6	76.4	58	82.3	82.3	77.7	82.8	93.1	83	
ES PCB-189	98.5	102	96.7	77.4	95.4	82.6	109	99.5	96.9	103	
ES PCB-202	83.3	95.2	86	65.7	93.4	88.7	85.9	89.9	110	90.4	
ES PCB-205	81.6	83.5	80	61.8	81.3	73.9	85.8	82.7	88.1	86.6	
ES PCB-206	72.6	78.1	74	55.1	70.7	69.3	78.6	73	79.8	79.2	
ES PCB-208	96.1	96.5	89.1	70.7	91.8	78.8	97.8	95	96.2	98	
ES PCB-209	67.8	68.1	64.7	47.6	64.5	62.4	66	62.7	77.6	73.9	

[Checkcode](#)

 [743-689-ZQX](#)

 [202-931-PHY](#)

 [883-062-SLJ](#)

 [125-675-SHW](#)

 [131-277-KHP](#)

 [638-331-SWG](#)

 [868-230-FVL](#)

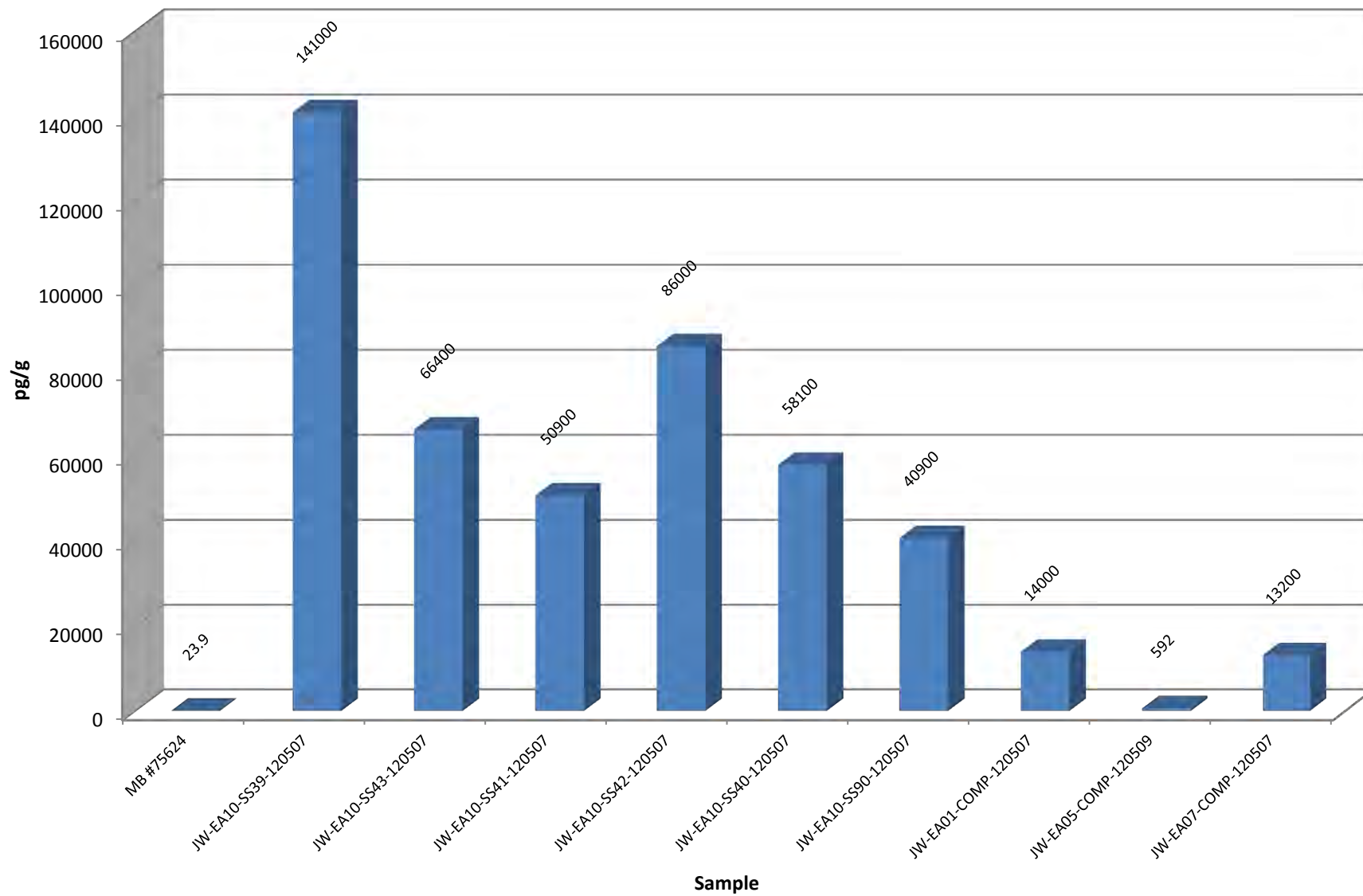
 [883-780-LPX](#)

 [627-948-LVF](#)

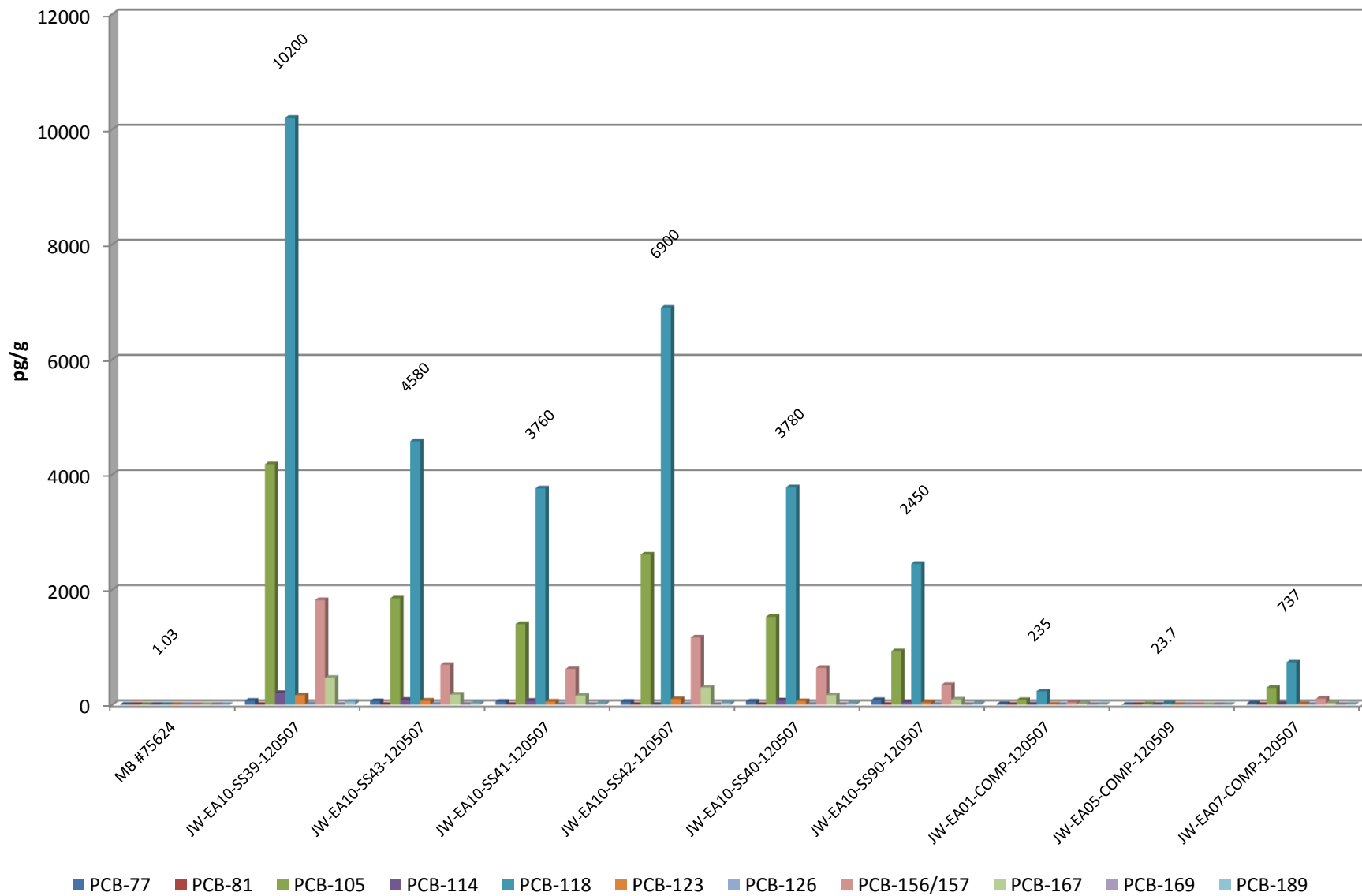
 [864-538-JYB](#)

() = DL
[] = EMPC

PCB Totals
Project ID: Jeld-Wen Surface Sediment
A4373



PCB WHO
Project ID: Jeld-Wen Surface Sediment
A4373



Sample ID: MB #75624**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	n/a
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.00 g	Sample ID:	MB1_9894_PCB_TLX	Date Extracted:	08-Jun-2012
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	1.37			ES PCB-1	58.8	
PCB-81 344'5'-TeCB	ND	1.35			ES PCB-3	56.7	
PCB-105 233'44'-PeCB	0.566			J	ES PCB-4	55.2	
PCB-114 2344'5'-PeCB	ND	0.374			ES PCB-15	70.5	
PCB-118 23'44'5'-PeCB	EMPC		1.03	J	ES PCB-19	67.8	
PCB-123 23'44'5'-PeCB	ND	0.401			ES PCB-37	71.2	
PCB-126 33'44'5'-PeCB	ND	0.409			ES PCB-54	58.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.5		C	ES PCB-77	103	
PCB-167 23'44'55'-HxCB	ND	0.306			ES PCB-81	110	
PCB-169 33'44'55'-HxCB	ND	1.29			ES PCB-104	48.5	
PCB-189 233'44'55'-HpCB	ND	0.397			ES PCB-105	81.8	
					ES PCB-114	73.5	
TEQs (WHO M/H)					ES PCB-118	77.5	
					ES PCB-123	72.8	
ND = 0	0.000017		0.0000478		ES PCB-126	70.2	
ND = 0.5 x DL	0.0401		0.0401		ES PCB-153	-	
					ES PCB-155	79.5	
Totals					ES PCB-156/157	91.6	
					ES PCB-167	107	
Mono-CBs	ND	1.75			ES PCB-169	29.5 V	
Di-CBs	7.6				ES PCB-170	-	
Tri-CBs	ND	2.09			ES PCB-180	-	
Tetra-CBs	3.36				ES PCB-188	68.3	
Penta-CBs	8.22		9.25		ES PCB-189	98.5	
Hexa-CBs			4.69		ES PCB-202	83.3	
Hepta-CBs	ND	0.497			ES PCB-205	81.6	
Octa-CBs	ND	0.562			ES PCB-206	72.6	
Nona-CBs	ND	3.33			ES PCB-208	96.1	
Deca-CB	ND	1.14			ES PCB-209	67.8	
					CS PCB-28	77.6	
Total PCB (Mono-Deca)	19.2		24.9		CS PCB-111	88.5	
					CS PCB-178	80.2	

Checkcode: 743-689-ZQX


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:52 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: MB #75624**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	n/a							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.00 g		Sample ID:	MB1_9894_PCB_TLX		Date Extracted:	08-Jun-2012							
Date Collected:	n/a		% Solids	n/a		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012							
			Units	pg/g		Checkcode:	743-689-ZQX		Time Analyzed:	21:52:23							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(1.54)		PCB-19	(2.3)		PCB-54	(1.04)		PCB-72	(1.23)							
PCB-2	(1.44)		PCB-30/18	(1.67)	C	PCB-50/53	(1.39)	C	PCB-68	(1.16)							
PCB-3	(1.96)		PCB-17	(1.97)		PCB-45	(1.58)		PCB-57	(1.29)							
			PCB-27	(1.44)		PCB-51	(1.42)		PCB-58	(1.26)							
Conc.	0		PCB-24	(1.5)		PCB-46	(1.69)		PCB-67	(1.21)							
EMPC	0		PCB-16	(2.59)		PCB-52	3.36		PCB-63	(1.19)							
			PCB-32	(1.39)		PCB-73	(1.09)		PCB-61/70/74/76	(1.26)	C						
Di	Conc.	Qualifiers	PCB-34	(1.45)		PCB-43	(1.58)		PCB-66	(1.35)							
PCB-4	(5.56)		PCB-23	(1.4)		PCB-69/49	(1.16)	C	PCB-55	(1.28)							
PCB-10	(3.11)		PCB-26/29	(1.4)	C	PCB-48	(1.4)		PCB-56	(1.36)							
PCB-9	(3.72)		PCB-25	(1.4)		PCB-44/47/65	(1.31)	C	PCB-60	(1.3)							
PCB-7	(3.21)		PCB-31	(1.37)		PCB-59/62/75	(1.03)	C	PCB-80	(1.15)							
PCB-6	(3.44)		PCB-28/20	(1.42)	C	PCB-42	(1.53)		PCB-79	(1.13)							
PCB-5	(3.4)		PCB-21/33	(1.4)	C	PCB-41	(1.64)		PCB-78	(1.4)							
PCB-8	(3.39)		PCB-22	(1.51)		PCB-71/40	(1.39)	C	PCB-81	(1.35)							
PCB-14	(2.84)		PCB-36	(1.35)		PCB-64	(0.97)		PCB-77	(1.37)							
PCB-11	7.6		PCB-39	(1.31)													
PCB-13/12	(3.29)	C	PCB-38	(1.46)													
PCB-15	(3.71)		PCB-35	(1.48)													
			PCB-37	(1.88)													
Conc.	7.6		Conc.	0					Conc.	3.36							
EMPC	7.6		EMPC	0					EMPC	3.36							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						7.6			7.6		
						Tetra-Hexa						11.6			17.3		
						Hepta-Deca						0			0		
						Mono-Deca						19.2			24.9		

Sample ID: MB #75624						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.388)		PCB-109/119/86...	1.43	J C	PCB-155	(0.252)		PCB-165	(0.318)	
PCB-96	(0.407)		PCB-117	(0.409)		PCB-152	(0.252)		PCB-146	(0.362)	
PCB-103	(0.464)		PCB-116/85	(0.439)	C	PCB-150	(0.259)		PCB-161	(0.286)	
PCB-94	(0.536)		PCB-110	1.82	J	PCB-136	(0.272)		PCB-153/168	[1.21]	J EMPC C
PCB-95	1.87	J	PCB-115	(0.387)		PCB-145	(0.268)		PCB-141	(0.384)	
PCB-100/93	(0.501)	C	PCB-82	(0.631)		PCB-148	(0.356)		PCB-130	(0.434)	
PCB-102	(0.447)		PCB-111	(0.394)		PCB-151/135	(0.369)	C	PCB-137	(0.41)	
PCB-98	(0.536)		PCB-120	(0.369)		PCB-154	(0.32)		PCB-164	(0.287)	
PCB-88	(0.541)		PCB-108/124	(0.424)	C	PCB-144	(0.363)		PCB-163/138/129	[1.72]	J EMPC C
PCB-91	(0.464)		PCB-107	(0.385)		PCB-147/149	[1.76]	J EMPC C	PCB-160	(0.311)	
PCB-84	(0.579)		PCB-123	(0.401)		PCB-134	(0.416)		PCB-158	(0.293)	
PCB-89	(0.556)		PCB-106	(0.446)		PCB-143	(0.388)		PCB-128/166	(0.411)	C
PCB-121	(0.367)		PCB-118	[1.03]	J EMPC	PCB-139/140	(0.372)	C	PCB-159	(0.331)	
PCB-92	(0.529)		PCB-122	(0.426)		PCB-131	(0.421)		PCB-162	(0.353)	
PCB-113/90/101	1.7	J C	PCB-114	(0.374)		PCB-142	(0.421)		PCB-167	(0.306)	
PCB-83	(0.597)		PCB-105	0.566	J	PCB-132	(0.414)		PCB-156/157	(0.5)	C
PCB-99	0.836	J	PCB-127	(0.44)		PCB-133	(0.386)		PCB-169	(1.29)	
PCB-112	(0.378)		PCB-126	(0.409)							
			Conc.	8.22					Conc.	0	
			EMPC	9.25					EMPC	4.69	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.417)		PCB-174	(0.584)		PCB-202	(0.491)		PCB-208	(2.26)	
PCB-179	(0.425)		PCB-177	(0.683)		PCB-201	(0.4)		PCB-207	(2.28)	
PCB-184	(0.41)		PCB-181	(0.541)		PCB-204	(0.447)		PCB-206	(4.39)	
PCB-176	(0.377)		PCB-171/173	(0.632)	C	PCB-197	(0.394)				
PCB-186	(0.397)		PCB-172	(0.6)		PCB-200	(0.432)		Conc.	0	
PCB-178	(0.547)		PCB-192	(0.434)		PCB-198/199	(0.678)	C	EMPC	0	
PCB-175	(0.573)		PCB-180/193	(0.515)	C	PCB-196	(0.67)				
PCB-187	(0.531)		PCB-191	(0.429)		PCB-203	(0.624)		Deca	Conc.	Qualifiers
PCB-182	(0.518)		PCB-170	(0.627)		PCB-195	(0.869)		PCB-209	(1.14)	
PCB-183	(0.519)		PCB-190	(0.478)		PCB-194	(0.907)				
PCB-185	(0.545)		PCB-189	(0.397)		PCB-205	(0.632)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-EA10-SS39-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.44 g	Sample ID:	A4373_9894_PCB_001	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	60.9 %	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	71.8				ES PCB-1	54.5	
PCB-81 344'5"-TeCB	ND	4.95			ES PCB-3	56	
PCB-105 233'44"-PeCB	4,180				ES PCB-4	59.6	
PCB-114 2344'5"-PeCB	207				ES PCB-15	87.3	
PCB-118 23'44'5"-PeCB	10,200			E	ES PCB-19	79.5	
PCB-123 23'44'5"-PeCB	169				ES PCB-37	90	
PCB-126 33'44'5"-PeCB	8.96				ES PCB-54	63.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	1,820			C	ES PCB-77	106	
PCB-167 23'44'55"-HxCB	468				ES PCB-81	123	
PCB-169 33'44'55"-HxCB	ND	1.58			ES PCB-104	57.3	
PCB-189 233'44'55"-HpCB	54.2				ES PCB-105	67.6	
					ES PCB-114	77.2	
TEQs (WHO M/H)					ES PCB-118	83.4	
					ES PCB-123	77	
ND = 0	1.42		1.42		ES PCB-126	78.5	
ND = 0.5 x DL	1.44		1.44		ES PCB-153	-	
					ES PCB-155	102	
Totals					ES PCB-156/157	112	
					ES PCB-167	124 V	
Mono-CBs	53.4				ES PCB-169	73.7	
Di-CBs	315				ES PCB-170	-	
Tri-CBs	1,440		1,440		ES PCB-180	-	
Tetra-CBs	15,900				ES PCB-188	77.6	
Penta-CBs	68,400				ES PCB-189	102	
Hexa-CBs	47,100				ES PCB-202	95.2	
Hepta-CBs	6,690		6,690		ES PCB-205	83.5	
Octa-CBs	1,100				ES PCB-206	78.1	
Nona-CBs	222				ES PCB-208	96.5	
Deca-CB	29.9				ES PCB-209	68.1	
					CS PCB-28	94	
Total PCB (Mono-Deca)	141,000		141,000		CS PCB-111	89	
					CS PCB-178	92.9	

Checkcode: 202-931-PHY


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:53 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS39-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.44 g		Sample ID:	A4373_9894_PCB_001		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	60.9 %		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012				
			Units	pg/g		Checkcode:	202-931-PHY		Time Analyzed:	22:46:40				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	21.1		PCB-19	10.7		PCB-54	(0.769)		PCB-72	9.88				
PCB-2	10.6		PCB-30/18	144	C	PCB-50/53	88.9	C	PCB-68	4.01				
PCB-3	21.7		PCB-17	60.7		PCB-45	50.5		PCB-57	(4.74)				
			PCB-27	11.6		PCB-51	12.9		PCB-58	118				
Conc.	53.4		PCB-24	(1.11)		PCB-46	20.8		PCB-67	(4.43)				
EMPC	53.4		PCB-16	59.9		PCB-52	4,580		PCB-63	(4.38)				
			PCB-32	61.2		PCB-73	(1.07)		PCB-61/70/74/76	4,690	C			
Di	Conc.	Qualifiers	PCB-34	[1.49]	J EMPC	PCB-43	20.6		PCB-66	1,350				
PCB-4	17.8		PCB-23	(1.05)		PCB-69/49	956	C	PCB-55	(4.72)				
PCB-10	(2.36)		PCB-26/29	50.5	C	PCB-48	111		PCB-56	522				
PCB-9	3.05		PCB-25	22.1		PCB-44/47/65	1,770	C	PCB-60	228				
PCB-7	2.07		PCB-31	315		PCB-59/62/75	44.3	C	PCB-80	(4.24)				
PCB-6	10.8		PCB-28/20	334	C	PCB-42	188		PCB-79	85.2				
PCB-5	(2.55)		PCB-21/33	137	C	PCB-41	34.9		PCB-78	(5.16)				
PCB-8	50.2		PCB-22	101		PCB-71/40	440	C	PCB-81	(4.95)				
PCB-14	(2.13)		PCB-36	(1.01)		PCB-64	554		PCB-77	71.8				
PCB-11	169		PCB-39	3.41										
PCB-13/12	8.89	C	PCB-38	(1.09)										
PCB-15	52.2		PCB-35	8.73										
			PCB-37	115										
Conc.	315		Conc.	1,440					Conc.	15,900				
EMPC	315		EMPC	1,440					EMPC	15,900				
 2714 Exchange Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com						Totals			Conc.			EMPC		
						Mono-Tri			1,800			1,810		
						Tetra-Hexa			131,000			131,000		
						Hepta-Deca			8,040			8,040		
Mono-Deca			141,000			141,000								

Sample ID: JW-EA10-SS39-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.264)		PCB-109/119/86...	7,770	C	PCB-155	(0.238)		PCB-165	(0.301)	
PCB-96	34.4		PCB-117	(1.32)		PCB-152	10.1		PCB-146	1,220	
PCB-103	26.3		PCB-116/85	1,920	C	PCB-150	8.71		PCB-161	(0.27)	
PCB-94	18.7		PCB-110	13,800	E	PCB-136	1,110		PCB-153/168	7,520	C
PCB-95	4,300		PCB-115	(1.25)		PCB-145	(0.254)		PCB-141	1,650	
PCB-100/93	(1.62)	C	PCB-82	1,260		PCB-148	5.71		PCB-130	846	
PCB-102	30.6		PCB-111	(1.27)		PCB-151/135	2,240	C	PCB-137	908	
PCB-98	230		PCB-120	(1.19)		PCB-154	(0.303)		PCB-164	682	
PCB-88	(1.75)		PCB-108/124	467	C	PCB-144	401		PCB-163/138/129	12,700	C
PCB-91	1,150		PCB-107	675		PCB-147/149	6,670	C	PCB-160	(0.294)	
PCB-84	2,700		PCB-123	169		PCB-134	662		PCB-158	1,350	
PCB-89	63.6		PCB-106	(1.44)		PCB-143	(0.367)		PCB-128/166	2,200	C
PCB-121	(1.19)		PCB-118	10,200	E	PCB-139/140	246	C	PCB-159	32.3	
PCB-92	2,050		PCB-122	(1.4)		PCB-131	195		PCB-162	42	
PCB-113/90/101	11,300	C	PCB-114	207		PCB-142	(0.399)		PCB-167	468	
PCB-83	571		PCB-105	4,180		PCB-132	3,980		PCB-156/157	1,820	C
PCB-99	5,200		PCB-127	(1.96)		PCB-133	120		PCB-169	(1.58)	
PCB-112	(1.22)		PCB-126	8.96							
			Conc.	68,400					Conc.	47,100	
			EMPC	68,400					EMPC	47,100	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[1.11]	J EMPC	PCB-174	808		PCB-202	64.4		PCB-208	43	
PCB-179	256		PCB-177	518		PCB-201	33.9		PCB-207	20	
PCB-184	0.968	J	PCB-181	28.4		PCB-204	(0.371)		PCB-206	159	
PCB-176	98.4		PCB-171/173	364	C	PCB-197	5.24				
PCB-186	[0.713]	J EMPC	PCB-172	146		PCB-200	32.4		Conc.	222	
PCB-178	125		PCB-192	(0.58)		PCB-198/199	292	C	EMPC	222	
PCB-175	37.3		PCB-180/193	1,700	C	PCB-196	129				
PCB-187	605		PCB-191	40.5		PCB-203	195		Deca	Conc.	Qualifiers
PCB-182	8.03		PCB-170	1,150		PCB-195	88.2		PCB-209	29.9	
PCB-183	518		PCB-190	184		PCB-194	249				
PCB-185	40.6		PCB-189	54.2		PCB-205	10.9				
			Conc.	6,690		Conc.	1,100				
			EMPC	6,690		EMPC	1,100				

Sample ID: JW-EA10-SS43-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.54 g	Sample ID:	A4373_9894_PCB_002	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	57.7 %	QC Batch No.:	9894	Date Analyzed:	03-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	64.8				ES PCB-1	54.8	
PCB-81 344'5'-TeCB	ND	2.05			ES PCB-3	54.1	
PCB-105 233'44'-PeCB	1,850				ES PCB-4	53.2	
PCB-114 2344'5'-PeCB	88				ES PCB-15	82.8	
PCB-118 23'44'5'-PeCB	4,580				ES PCB-19	74.8	
PCB-123 23'44'5'-PeCB	72.3				ES PCB-37	85.9	
PCB-126 33'44'5'-PeCB	6.09				ES PCB-54	59.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	694			C	ES PCB-77	102	
PCB-167 23'44'55'-HxCB	178				ES PCB-81	114	
PCB-169 33'44'55'-HxCB	4.02				ES PCB-104	54.4	
PCB-189 233'44'55'-HpCB	25.5				ES PCB-105	62.6	
					ES PCB-114	73.6	
TEQs (WHO M/H)					ES PCB-118	76.7	
					ES PCB-123	72	
ND = 0	0.961		0.961		ES PCB-126	78.6	
ND = 0.5 x DL	0.961		0.961		ES PCB-153	-	
					ES PCB-155	98.3	
Totals					ES PCB-156/157	105	
					ES PCB-167	116	
Mono-CBs	59.5				ES PCB-169	96.9	
Di-CBs	321		323		ES PCB-170	-	
Tri-CBs	1,120				ES PCB-180	-	
Tetra-CBs	9,210		9,210		ES PCB-188	76.4	
Penta-CBs	29,900		29,900		ES PCB-189	96.7	
Hexa-CBs	19,000		19,000		ES PCB-202	86	
Hepta-CBs	3,810				ES PCB-205	80	
Octa-CBs	1,680				ES PCB-206	74	
Nona-CBs	1,190				ES PCB-208	89.1	
Deca-CB	187				ES PCB-209	64.7	
					CS PCB-28	89.8	
Total PCB (Mono-Deca)	66,400		66,400		CS PCB-111	87.6	
					CS PCB-178	93.3	

Checkcode: 883-062-SLJ


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS43-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.54 g		Sample ID:	A4373_9894_PCB_002		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	57.7 %		QC Batch No.:	9894		Date Analyzed:	03-Jul-2012							
			Units	pg/g		Checkcode:	883-062-SLJ		Time Analyzed:	23:41:03							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	21.9		PCB-19	9.46		PCB-54	[0.528]	J EMPC	PCB-72	8.64							
PCB-2	12		PCB-30/18	107	C	PCB-50/53	59.2	C	PCB-68	3.91							
PCB-3	25.7		PCB-17	50.1		PCB-45	32.6		PCB-57	(1.97)							
			PCB-27	10.9		PCB-51	10.2		PCB-58	47.6							
Conc.	59.5		PCB-24	1.41	J	PCB-46	14.2		PCB-67	(1.84)							
EMPC	59.5		PCB-16	43.9		PCB-52	2,580		PCB-63	(1.82)							
			PCB-32	47.8		PCB-73	(0.531)		PCB-61/70/74/76	2,550	C						
Di	Conc.	Qualifiers	PCB-34	1.51	J	PCB-43	11.5		PCB-66	861							
PCB-4	19.5		PCB-23	(0.626)		PCB-69/49	578	C	PCB-55	(1.96)							
PCB-10	(1.72)		PCB-26/29	45	C	PCB-48	65.6		PCB-56	317							
PCB-9	3.24		PCB-25	20.3		PCB-44/47/65	1,030	C	PCB-60	132							
PCB-7	[2.26]	EMPC	PCB-31	223		PCB-59/62/75	31.3	C	PCB-80	(1.76)							
PCB-6	11.3		PCB-28/20	270	C	PCB-42	124		PCB-79	35.6							
PCB-5	(1.46)		PCB-21/33	101	C	PCB-41	23.4		PCB-78	(2.14)							
PCB-8	50.8		PCB-22	77.2		PCB-71/40	298	C	PCB-81	(2.05)							
PCB-14	(1.22)		PCB-36	2.47		PCB-64	329		PCB-77	64.8							
PCB-11	168		PCB-39	2.28													
PCB-13/12	9.12	C	PCB-38	(0.655)													
PCB-15	58.4		PCB-35	(0.663)													
			PCB-37	109													
Conc.	321		Conc.	1,120					Conc.	9,210							
EMPC	323		EMPC	1,120					EMPC	9,210							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,500			1,500		
						Tetra-Hexa						58,100			58,100		
						Hepta-Deca						6,860			6,860		
						Mono-Deca						66,400			66,400		

Sample ID: JW-EA10-SS43-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.225)		PCB-109/119/86...	3,350	C	PCB-155	(0.175)		PCB-165	(0.221)	
PCB-96	16.5		PCB-117	(0.849)		PCB-152	3.63		PCB-146	509	
PCB-103	13		PCB-116/85	860	C	PCB-150	3.4		PCB-161	(0.198)	
PCB-94	7.95		PCB-110	6,050		PCB-136	458		PCB-153/168	3,160	C
PCB-95	1,750		PCB-115	(0.803)		PCB-145	[1.64]	J EMPC	PCB-141	660	
PCB-100/93	8.88	C	PCB-82	550		PCB-148	2.41		PCB-130	311	
PCB-102	(0.927)		PCB-111	(0.819)		PCB-151/135	996	C	PCB-137	287	
PCB-98	96.4		PCB-120	(0.767)		PCB-154	(0.222)		PCB-164	256	
PCB-88	(1.12)		PCB-108/124	193	C	PCB-144	164		PCB-163/138/129	5,050	C
PCB-91	508		PCB-107	305		PCB-147/149	2,750	C	PCB-160	(0.216)	
PCB-84	1,200		PCB-123	72.3		PCB-134	255		PCB-158	544	
PCB-89	29.1		PCB-106	(0.925)		PCB-143	(0.269)		PCB-128/166	888	C
PCB-121	(0.762)		PCB-118	4,580		PCB-139/140	92.9	C	PCB-159	18.2	
PCB-92	885		PCB-122	47.4		PCB-131	74.9		PCB-162	16	
PCB-113/90/101	4,850	C	PCB-114	88		PCB-142	(0.293)		PCB-167	178	
PCB-83	246		PCB-105	1,850		PCB-132	1,550		PCB-156/157	694	C
PCB-99	2,320		PCB-127	(1.14)		PCB-133	50.8		PCB-169	4.02	
PCB-112	[2.58]	EMPC	PCB-126	6.09							
			Conc.	29,900					Conc.	19,000	
			EMPC	29,900					EMPC	19,000	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.65	J	PCB-174	462		PCB-202	127		PCB-208	280	
PCB-179	180		PCB-177	295		PCB-201	42.3		PCB-207	76.8	
PCB-184	(0.216)		PCB-181	9.04		PCB-204	(0.315)		PCB-206	829	
PCB-176	55.7		PCB-171/173	173	C	PCB-197	2.75				
PCB-186	(0.209)		PCB-172	77.4		PCB-200	40		Conc.	1,190	
PCB-178	87.1		PCB-192	(0.384)		PCB-198/199	563	C	EMPC	1,190	
PCB-175	20.1		PCB-180/193	981	C	PCB-196	144				
PCB-187	480		PCB-191	19.6		PCB-203	330		Deca	Conc.	Qualifiers
PCB-182	3.09		PCB-170	529		PCB-195	86.6		PCB-209	187	
PCB-183	277		PCB-190	91.9		PCB-194	331				
PCB-185	40.9		PCB-189	25.5		PCB-205	9.67				
			Conc.	3,810		Conc.	1,680				
			EMPC	3,810		EMPC	1,680				

Sample ID: JW-EA10-SS41-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.64 g	Sample ID:	A4373_9894_PCB_003	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	64.1 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	54.8				ES PCB-1	45.3	
PCB-81 344'5"-TeCB	EMPC		1.84		ES PCB-3	46.2	
PCB-105 233'44"-PeCB	1,400				ES PCB-4	46	
PCB-114 2344'5"-PeCB	70.2				ES PCB-15	74.9	
PCB-118 23'44'5"-PeCB	3,760				ES PCB-19	65.5	
PCB-123 23'44'5"-PeCB	57.5				ES PCB-37	71.2	
PCB-126 33'44'5"-PeCB	5.32				ES PCB-54	49.1	
PCB-156/157 233'44'5"/233'44'5"-HxCB	622			C	ES PCB-77	79.2	
PCB-167 23'44'55"-HxCB	160				ES PCB-81	87.2	
PCB-169 33'44'55"-HxCB	ND	1.1			ES PCB-104	42.4	
PCB-189 233'44'55"-HpCB	21.4				ES PCB-105	49 V	
					ES PCB-114	55.6	
TEQs (WHO M/H)					ES PCB-118	57.4	
					ES PCB-123	51.8	
ND = 0	0.721		0.721		ES PCB-126	65.3	
ND = 0.5 x DL	0.738		0.738		ES PCB-153	-	
					ES PCB-155	79	
Totals					ES PCB-156/157	80.1	
					ES PCB-167	86.8	
Mono-CBs	74.8				ES PCB-169	63.9	
Di-CBs	257				ES PCB-170	-	
Tri-CBs	1,000		1,000		ES PCB-180	-	
Tetra-CBs	6,620		6,620		ES PCB-188	58	
Penta-CBs	24,100				ES PCB-189	77.4	
Hexa-CBs	15,500				ES PCB-202	65.7	
Hepta-CBs	2,700		2,700		ES PCB-205	61.8	
Octa-CBs	543				ES PCB-206	55.1	
Nona-CBs	109				ES PCB-208	70.7	
Deca-CB	32.8				ES PCB-209	47.6	
					CS PCB-28	73.4	
Total PCB (Mono-Deca)	50,900		50,900		CS PCB-111	70.7	
					CS PCB-178	73.4	

Checkcode: 125-675-SHW


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS41-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.64 g		Sample ID:	A4373_9894_PCB_003		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	64.1 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	125-675-SHW		Time Analyzed:	00:35:27							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	35.5		PCB-19	8.1		PCB-54	(0.46)		PCB-72	9.47							
PCB-2	11.3		PCB-30/18	96.4	C	PCB-50/53	43.9	C	PCB-68	7.08							
PCB-3	28		PCB-17	43.5		PCB-45	34.5		PCB-57	(1.94)							
			PCB-27	7.91		PCB-51	8.15		PCB-58	34.6							
Conc.	74.8		PCB-24	[1.14]	J EMPC	PCB-46	15.1		PCB-67	[1.79]	EMPC						
EMPC	74.8		PCB-16	47.3		PCB-52	1,600		PCB-63	(1.79)							
			PCB-32	38.6		PCB-73	(0.679)		PCB-61/70/74/76	1,800	C						
Di	Conc.	Qualifiers	PCB-34	1.27	J	PCB-43	10.8		PCB-66	788							
PCB-4	22.2		PCB-23	(0.669)		PCB-69/49	425	C	PCB-55	(1.93)							
PCB-10	1.34	J	PCB-26/29	36.1	C	PCB-48	57.1		PCB-56	246							
PCB-9	3.23		PCB-25	20.8		PCB-44/47/65	717	C	PCB-60	102							
PCB-7	2.35		PCB-31	196		PCB-59/62/75	29.2	C	PCB-80	(1.74)							
PCB-6	10.2		PCB-28/20	241	C	PCB-42	112		PCB-79	22.7							
PCB-5	1.29	J	PCB-21/33	92.1	C	PCB-41	23.4		PCB-78	(2.11)							
PCB-8	49		PCB-22	72.7		PCB-71/40	238	C	PCB-81	[1.84]	EMPC						
PCB-14	(1.03)		PCB-36	1.71		PCB-64	231		PCB-77	54.8							
PCB-11	109		PCB-39	(0.626)													
PCB-13/12	8.13	C	PCB-38	(0.7)													
PCB-15	50.8		PCB-35	7.76													
			PCB-37	91.6													
Conc.	257		Conc.	1,000					Conc.	6,620							
EMPC	257		EMPC	1,000					EMPC	6,620							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,340			1,340		
						Tetra-Hexa						46,100			46,100		
						Hepta-Deca						3,390			3,390		
						Mono-Deca			50,900								

Sample ID: JW-EA10-SS41-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.274)		PCB-109/119/86...	2,590	C	PCB-155	(0.223)		PCB-165	(0.281)	
PCB-96	12.2		PCB-117	(1.16)		PCB-152	3.19		PCB-146	439	
PCB-103	11.9		PCB-116/85	667	C	PCB-150	3.25		PCB-161	(0.253)	
PCB-94	7.01		PCB-110	4,750		PCB-136	363		PCB-153/168	2,540	C
PCB-95	1,510		PCB-115	(1.1)		PCB-145	1.3	J	PCB-141	544	
PCB-100/93	(1.42)	C	PCB-82	447		PCB-148	2.24		PCB-130	265	
PCB-102	12.1		PCB-111	(1.12)		PCB-151/135	764	C	PCB-137	279	
PCB-98	80.1		PCB-120	(1.05)		PCB-154	27.8		PCB-164	214	
PCB-88	(1.53)		PCB-108/124	160	C	PCB-144	129		PCB-163/138/129	4,140	C
PCB-91	393		PCB-107	274		PCB-147/149	2,060	C	PCB-160	(0.275)	
PCB-84	982		PCB-123	57.5		PCB-134	208		PCB-158	454	
PCB-89	22.5		PCB-106	(1.26)		PCB-143	(0.343)		PCB-128/166	798	C
PCB-121	(1.04)		PCB-118	3,760		PCB-139/140	79	C	PCB-159	12	
PCB-92	735		PCB-122	36.4		PCB-131	59.4		PCB-162	14.8	
PCB-113/90/101	3,990	C	PCB-114	70.2		PCB-142	(0.373)		PCB-167	160	
PCB-83	185		PCB-105	1,400		PCB-132	1,230		PCB-156/157	622	C
PCB-99	1,910		PCB-127	(1.54)		PCB-133	43.4		PCB-169	(1.1)	
PCB-112	(1.07)		PCB-126	5.32							
			Conc.	24,100					Conc.	15,500	
			EMPC	24,100					EMPC	15,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.589	J	PCB-174	320		PCB-202	32.3		PCB-208	21.7	
PCB-179	119		PCB-177	225		PCB-201	15.3		PCB-207	8.79	
PCB-184	(0.304)		PCB-181	9.36		PCB-204	(0.484)		PCB-206	78.1	
PCB-176	38.9		PCB-171/173	141	C	PCB-197	2.76				
PCB-186	(0.294)		PCB-172	56.6		PCB-200	13		Conc.	109	
PCB-178	57.6		PCB-192	(0.425)		PCB-198/199	144	C	EMPC	109	
PCB-175	16.2		PCB-180/193	671	C	PCB-196	60.7				
PCB-187	302		PCB-191	14.7		PCB-203	90.9		Deca	Conc.	Qualifiers
PCB-182	[2.91]	EMPC	PCB-170	415		PCB-195	45.8		PCB-209	32.8	
PCB-183	205		PCB-190	69.6		PCB-194	133				
PCB-185	19		PCB-189	21.4		PCB-205	5.45				
			Conc.	2,700		Conc.	543				
			EMPC	2,700		EMPC	543				

Sample ID: JW-EA10-SS42-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.60 g	Sample ID:	A4373_9894_PCB_004	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	59.9 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	52.4				ES PCB-1	53.8	
PCB-81 344'5"-TeCB	2.73				ES PCB-3	54.5	
PCB-105 233'44"-PeCB	2,610				ES PCB-4	53.5	
PCB-114 2344'5"-PeCB	ND	0.71			ES PCB-15	83.5	
PCB-118 23'44'5"-PeCB	6,900			E	ES PCB-19	76.7	
PCB-123 23'44'5"-PeCB	99.4				ES PCB-37	89.1	
PCB-126 33'44'5"-PeCB	5.8				ES PCB-54	61.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	1,170			C	ES PCB-77	107	
PCB-167 23'44'55"-HxCB	300				ES PCB-81	118	
PCB-169 33'44'55"-HxCB	ND	0.859			ES PCB-104	54.7	
PCB-189 233'44'55"-HpCB	34.6				ES PCB-105	61.9	
					ES PCB-114	75.8	
TEQs (WHO M/H)					ES PCB-118	77.3	
					ES PCB-123	73.6	
ND = 0	0.919		0.919		ES PCB-126	76.2	
ND = 0.5 x DL	0.932		0.932		ES PCB-153	-	
					ES PCB-155	109	
Totals					ES PCB-156/157	109	
					ES PCB-167	117	
Mono-CBs	43.4				ES PCB-169	69.8	
Di-CBs	248		250		ES PCB-170	-	
Tri-CBs	816				ES PCB-180	-	
Tetra-CBs	9,240				ES PCB-188	82.3	
Penta-CBs	42,800				ES PCB-189	95.4	
Hexa-CBs	28,000				ES PCB-202	93.4	
Hepta-CBs	3,890		3,890		ES PCB-205	81.3	
Octa-CBs	825				ES PCB-206	70.7	
Nona-CBs	211				ES PCB-208	91.8	
Deca-CB	30.6				ES PCB-209	64.5	
					CS PCB-28	86.7	
Total PCB (Mono-Deca)	86,000		86,000		CS PCB-111	82.1	
					CS PCB-178	93.4	

Checkcode: 131-277-KHP


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS42-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.60 g		Sample ID:	A4373_9894_PCB_004		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	59.9 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	131-277-KHP		Time Analyzed:	01:29:50				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	16.4		PCB-19	6.38		PCB-54	(0.35)		PCB-72	5.26				
PCB-2	9.65		PCB-30/18	73.8	C	PCB-50/53	45.4	C	PCB-68	2.39				
PCB-3	17.3		PCB-17	35.1		PCB-45	23.5		PCB-57	(3.07)				
			PCB-27	7.71		PCB-51	7.75		PCB-58	73.5				
Conc.	43.4		PCB-24	1.01	J	PCB-46	10.7		PCB-67	(2.87)				
EMPC	43.4		PCB-16	31.7		PCB-52	2,450		PCB-63	29.9				
			PCB-32	34.4		PCB-73	(0.382)		PCB-61/70/74/76	2,910	C			
Di	Conc.	Qualifiers	PCB-34	0.991	J	PCB-43	10.7		PCB-66	883				
PCB-4	13.4		PCB-23	(0.569)		PCB-69/49	523	C	PCB-55	(3.06)				
PCB-10	(1.34)		PCB-26/29	31.6	C	PCB-48	57.3		PCB-56	328				
PCB-9	[1.69]	EMPC	PCB-25	15		PCB-44/47/65	938	C	PCB-60	137				
PCB-7	1.42	J	PCB-31	159		PCB-59/62/75	24.9	C	PCB-80	(2.75)				
PCB-6	7.94		PCB-28/20	195	C	PCB-42	104		PCB-79	52.6				
PCB-5	(1.32)		PCB-21/33	73.4	C	PCB-41	19.4		PCB-78	(3.34)				
PCB-8	37.2		PCB-22	57.2		PCB-71/40	233	C	PCB-81	2.73				
PCB-14	(1.1)		PCB-36	1.93		PCB-64	313		PCB-77	52.4				
PCB-11	140		PCB-39	(0.532)										
PCB-13/12	5.31	C	PCB-38	(0.595)										
PCB-15	43.1		PCB-35	6.73										
			PCB-37	85.4										
Conc.	248		Conc.	816					Conc.	9,240				
EMPC	250		EMPC	816					EMPC	9,240				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,110			1,110		
						Tetra-Hexa			80,000			80,000		
						Hepta-Deca			4,950			4,950		
			Mono-Deca			86,000			86,000					

Sample ID: JW-EA10-SS42-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.191)		PCB-109/119/86...	4,830	C	PCB-155	(0.158)		PCB-165	(0.2)	
PCB-96	20.7		PCB-117	140		PCB-152	6.18		PCB-146	710	
PCB-103	16.9		PCB-116/85	1,060	C	PCB-150	5.33		PCB-161	(0.18)	
PCB-94	11.6		PCB-110	8,470	E	PCB-136	649		PCB-153/168	4,440	C
PCB-95	2,550		PCB-115	(0.8)		PCB-145	2.75		PCB-141	982	
PCB-100/93	(1.04)	C	PCB-82	783		PCB-148	3.52		PCB-130	488	
PCB-102	19.1		PCB-111	(0.815)		PCB-151/135	1,340	C	PCB-137	514	
PCB-98	134		PCB-120	5.43		PCB-154	(0.201)		PCB-164	410	
PCB-88	(1.12)		PCB-108/124	311	C	PCB-144	240		PCB-163/138/129	7,330	C
PCB-91	696		PCB-107	462		PCB-147/149	3,900	C	PCB-160	(0.195)	
PCB-84	1,600		PCB-123	99.4		PCB-134	393		PCB-158	840	
PCB-89	38.3		PCB-106	(0.921)		PCB-143	(0.244)		PCB-128/166	1,470	C
PCB-121	(0.758)		PCB-118	6,900	E	PCB-139/140	153	C	PCB-159	18.8	
PCB-92	1,280		PCB-122	74		PCB-131	120		PCB-162	29.1	
PCB-113/90/101	6,980	C	PCB-114	(0.71)		PCB-142	(0.265)		PCB-167	300	
PCB-83	356		PCB-105	2,610		PCB-132	2,360		PCB-156/157	1,170	C
PCB-99	3,310		PCB-127	(1.16)		PCB-133	72.8		PCB-169	(0.859)	
PCB-112	3.87		PCB-126	5.8							
			Conc.	42,800					Conc.	28,000	
			EMPC	42,800					EMPC	28,000	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.717]	J EMPC	PCB-174	450		PCB-202	57.5		PCB-208	39.3	
PCB-179	168		PCB-177	312		PCB-201	23.7		PCB-207	16.2	
PCB-184	[0.577]	J EMPC	PCB-181	15.1		PCB-204	(0.328)		PCB-206	155	
PCB-176	60.2		PCB-171/173	211	C	PCB-197	2.99				
PCB-186	(0.203)		PCB-172	88.3		PCB-200	18.9		Conc.	211	
PCB-178	80.4		PCB-192	(0.396)		PCB-198/199	230	C	EMPC	211	
PCB-175	22.7		PCB-180/193	1,000	C	PCB-196	86.6				
PCB-187	346		PCB-191	22.6		PCB-203	153		Deca	Conc.	Qualifiers
PCB-182	(0.448)		PCB-170	643		PCB-195	58.4		PCB-209	30.6	
PCB-183	296		PCB-190	106		PCB-194	187				
PCB-185	27.3		PCB-189	34.6		PCB-205	7.21				
			Conc.	3,890		Conc.	825				
			EMPC	3,890		EMPC	825				

Sample ID: JW-EA10-SS40-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.11 g	Sample ID:	A4373_9894_PCB_005	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	57.7 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	56.6				ES PCB-1	50.5	
PCB-81 344'5"-TeCB	ND	2.8			ES PCB-3	49.8	
PCB-105 233'44"-PeCB	1,530				ES PCB-4	49.8	
PCB-114 2344'5"-PeCB	76.4				ES PCB-15	78.9	
PCB-118 23'44'5"-PeCB	3,780				ES PCB-19	66.1	
PCB-123 23'44'5"-PeCB	64.4				ES PCB-37	79	
PCB-126 33'44'5"-PeCB	3.86				ES PCB-54	54.6	
PCB-156/157 233'44'5"/233'44'5"-HxCB	640			C	ES PCB-77	105	
PCB-167 23'44'55"-HxCB	168				ES PCB-81	112	
PCB-169 33'44'55"-HxCB	ND	1.82			ES PCB-104	47.5	
PCB-189 233'44'55"-HpCB	22.1				ES PCB-105	63.7	
					ES PCB-114	70.8	
TEQs (WHO M/H)					ES PCB-118	72.6	
					ES PCB-123	67.9	
ND = 0	0.58		0.58		ES PCB-126	68.8	
ND = 0.5 x DL	0.608		0.608		ES PCB-153	-	
					ES PCB-155	99.9	
Totals					ES PCB-156/157	105	
					ES PCB-167	113	
Mono-CBs	58.8				ES PCB-169	82.5	
Di-CBs	322		339		ES PCB-170	-	
Tri-CBs	1,450		1,450		ES PCB-180	-	
Tetra-CBs	7,270		7,270		ES PCB-188	82.3	
Penta-CBs	25,900				ES PCB-189	82.6	
Hexa-CBs	17,500		17,500		ES PCB-202	88.7	
Hepta-CBs	3,220				ES PCB-205	73.9	
Octa-CBs	1,660				ES PCB-206	69.3	
Nona-CBs	643				ES PCB-208	78.8	
Deca-CB	61				ES PCB-209	62.4	
					CS PCB-28	90	
Total PCB (Mono-Deca)	58,100		58,200		CS PCB-111	95.1	
					CS PCB-178	109	

Checkcode: 638-331-SWG


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:54 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS40-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.11 g		Sample ID:	A4373_9894_PCB_005		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	57.7 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	638-331-SWG		Time Analyzed:	02:24:07				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	23.6		PCB-19	12.8		PCB-54	(1.23)		PCB-72	8.37				
PCB-2	11.3		PCB-30/18	156	C	PCB-50/53	52.2	C	PCB-68	6.19				
PCB-3	23.8		PCB-17	71.3		PCB-45	40.9		PCB-57	(2.68)				
			PCB-27	13.5		PCB-51	11.1		PCB-58	(2.61)				
Conc.	58.8		PCB-24	2.01		PCB-46	16.9		PCB-67	15.7				
EMPC	58.8		PCB-16	70.5		PCB-52	1,710		PCB-63	26.6				
			PCB-32	76.4		PCB-73	[0.677]	EMPC	PCB-61/70/74/76	1,920	C			
Di	Conc.	Qualifiers	PCB-34	[1.58]	EMPC	PCB-43	14.2		PCB-66	752				
PCB-4	26.3		PCB-23	(1.77)		PCB-69/49	458	C	PCB-55	7				
PCB-10	(4.73)		PCB-26/29	42.4	C	PCB-48	77.6		PCB-56	314				
PCB-9	[3.79]	EMPC	PCB-25	20.2		PCB-44/47/65	805	C	PCB-60	149				
PCB-7	(3.75)		PCB-31	272		PCB-59/62/75	35.7	C	PCB-80	(2.4)				
PCB-6	[13.2]	EMPC	PCB-28/20	344	C	PCB-42	132		PCB-79	37.3				
PCB-5	(3.97)		PCB-21/33	126	C	PCB-41	31.8		PCB-78	(2.92)				
PCB-8	63.5		PCB-22	104		PCB-71/40	304	C	PCB-81	(2.8)				
PCB-14	(3.32)		PCB-36	[2.25]	EMPC	PCB-64	289		PCB-77	56.6				
PCB-11	169		PCB-39	2.99										
PCB-13/12	(3.84)	C	PCB-38	(1.86)										
PCB-15	63.2		PCB-35	9.89										
			PCB-37	126										
Conc.	322		Conc.	1,450					Conc.	7,270				
EMPC	339		EMPC	1,450					EMPC	7,270				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			1,830			1,850		
						Tetra-Hexa			50,700			50,700		
						Hepta-Deca			5,580			5,580		
Mono-Deca			58,100			58,200								

Sample ID: JW-EA10-SS40-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.593)		PCB-109/119/86...	2,800	C	PCB-155	(0.519)		PCB-165	(0.656)	
PCB-96	13.5		PCB-117	(1.7)		PCB-152	3.68		PCB-146	519	
PCB-103	15		PCB-116/85	709	C	PCB-150	3.76		PCB-161	(0.589)	
PCB-94	10.5		PCB-110	5,030		PCB-136	404		PCB-153/168	3,010	C
PCB-95	2,630		PCB-115	(1.61)		PCB-145	1.58	J	PCB-141	601	
PCB-100/93	(2.08)	C	PCB-82	466		PCB-148	[2.37]	EMPC	PCB-130	287	
PCB-102	84.4		PCB-111	(1.64)		PCB-151/135	914	C	PCB-137	307	
PCB-98	(2.22)		PCB-120	(1.53)		PCB-154	32.8		PCB-164	246	
PCB-88	(2.25)		PCB-108/124	169	C	PCB-144	156		PCB-163/138/129	4,250	C
PCB-91	397		PCB-107	253		PCB-147/149	2,640	C	PCB-160	(0.641)	
PCB-84	928		PCB-123	64.4		PCB-134	228		PCB-158	515	
PCB-89	25.5		PCB-106	(1.85)		PCB-143	16.5		PCB-128/166	856	C
PCB-121	(1.52)		PCB-118	3,780		PCB-139/140	95	C	PCB-159	15.9	
PCB-92	725		PCB-122	40		PCB-131	71.6		PCB-162	17.4	
PCB-113/90/101	4,010	C	PCB-114	76.4		PCB-142	(0.869)		PCB-167	168	
PCB-83	218		PCB-105	1,530		PCB-132	1,480		PCB-156/157	640	C
PCB-99	1,940		PCB-127	(2.29)		PCB-133	48.7		PCB-169	(1.82)	
PCB-112	(1.57)		PCB-126	3.86							
			Conc.	25,900					Conc.	17,500	
			EMPC	25,900					EMPC	17,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.544)		PCB-174	358		PCB-202	119		PCB-208	106	
PCB-179	155		PCB-177	228		PCB-201	43.2		PCB-207	46.2	
PCB-184	(0.536)		PCB-181	8.64		PCB-204	(0.882)		PCB-206	490	
PCB-176	44.6		PCB-171/173	135	C	PCB-197	5.73				
PCB-186	(0.518)		PCB-172	67.7		PCB-200	40.6		Conc.	643	
PCB-178	70.2		PCB-192	(0.978)		PCB-198/199	522	C	EMPC	643	
PCB-175	16.6		PCB-180/193	874	C	PCB-196	147				
PCB-187	447		PCB-191	16		PCB-203	333		Deca	Conc.	Qualifiers
PCB-182	3.36		PCB-170	439		PCB-195	75.9		PCB-209	61	
PCB-183	231		PCB-190	77.1		PCB-194	368				
PCB-185	24.3		PCB-189	22.1		PCB-205	10.3				
			Conc.	3,220		Conc.	1,660				
			EMPC	3,220		EMPC	1,660				

Sample ID: JW-EA10-SS90-120507**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	6.03 g	Sample ID:	A4373_9894_PCB_006	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	58.6 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	83.7				ES PCB-1	49.6	
PCB-81 344'5'-TeCB	2.51				ES PCB-3	52.3	
PCB-105 233'44'-PeCB	930				ES PCB-4	52.6	
PCB-114 2344'5'-PeCB	45.9				ES PCB-15	91	
PCB-118 23'44'5'-PeCB	2,450				ES PCB-19	75.9	
PCB-123 23'44'5'-PeCB	40				ES PCB-37	80.4	
PCB-126 33'44'5'-PeCB	5.29				ES PCB-54	65.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	345			C	ES PCB-77	94.2	
PCB-167 23'44'55'-HxCB	93.8				ES PCB-81	96.7	
PCB-169 33'44'55'-HxCB	ND	1.35			ES PCB-104	62.1	
PCB-189 233'44'55'-HpCB	14.4				ES PCB-105	64.1	
					ES PCB-114	80	
TEQs (WHO M/H)					ES PCB-118	81.9	
					ES PCB-123	74.7	
ND = 0	0.656			0.656	ES PCB-126	83.3	
ND = 0.5 x DL	0.676			0.676	ES PCB-153	-	
					ES PCB-155	103	
Totals					ES PCB-156/157	110	
					ES PCB-167	115	
Mono-CBs	79.4				ES PCB-169	53.2	
Di-CBs	502				ES PCB-170	-	
Tri-CBs	2,210			2,210	ES PCB-180	-	
Tetra-CBs	8,470				ES PCB-188	77.7	
Penta-CBs	15,800				ES PCB-189	109	
Hexa-CBs	10,100				ES PCB-202	85.9	
Hepta-CBs	2,190				ES PCB-205	85.8	
Octa-CBs	1,060				ES PCB-206	78.6	
Nona-CBs	370				ES PCB-208	97.8	
Deca-CB	54.9				ES PCB-209	66	
					CS PCB-28	94.8	
Total PCB (Mono-Deca)	40,900			40,900	CS PCB-111	93.8	
					CS PCB-178	90.3	

Checkcode: 868-230-FVL


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Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA10-SS90-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	6.03 g		Sample ID:	A4373_9894_PCB_006		Date Extracted:	08-Jun-2012							
Date Collected:	07-May-2012		% Solids	58.6 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	868-230-FVL		Time Analyzed:	03:18:31							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	30.8		PCB-19	15.5		PCB-54	0.578	J	PCB-72	13.2							
PCB-2	14.6		PCB-30/18	207	C	PCB-50/53	77.8	C	PCB-68	6.79							
PCB-3	34		PCB-17	95.1		PCB-45	68		PCB-57	(1.41)							
			PCB-27	17.7		PCB-51	17.5		PCB-58	30.2							
Conc.	79.4		PCB-24	[1.87]	EMPC	PCB-46	27.6		PCB-67	2.91							
EMPC	79.4		PCB-16	93.1		PCB-52	1,850		PCB-63	(1.3)							
			PCB-32	68.3		PCB-73	(0.415)		PCB-61/70/74/76	1,530	C						
Di	Conc.	Qualifiers	PCB-34	3.4		PCB-43	(0.599)		PCB-66	1,440							
PCB-4	32.5		PCB-23	[0.408]	EMPC	PCB-69/49	582	C	PCB-55	9.37							
PCB-10	1.68		PCB-26/29	74.3	C	PCB-48	121		PCB-56	372							
PCB-9	4.32		PCB-25	34.5		PCB-44/47/65	961	C	PCB-60	180							
PCB-7	3.2		PCB-31	453		PCB-59/62/75	54.7	C	PCB-80	(1.26)							
PCB-6	15.8		PCB-28/20	557	C	PCB-42	198		PCB-79	20.4							
PCB-5	1.74		PCB-21/33	209	C	PCB-41	49.1		PCB-78	(1.54)							
PCB-8	85.5		PCB-22	167		PCB-71/40	431	C	PCB-81	2.51							
PCB-14	(0.608)		PCB-36	4.18		PCB-64	333		PCB-77	83.7							
PCB-11	243		PCB-39	3.97													
PCB-13/12	13.3	C	PCB-38	0.831	J												
PCB-15	100		PCB-35	14.9													
			PCB-37	188													
Conc.	502		Conc.	2,210					Conc.	8,470							
EMPC	502		EMPC	2,210					EMPC	8,470							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						2,790			2,790		
						Tetra-Hexa						34,400			34,400		
						Hepta-Deca						3,680			3,680		
						Mono-Deca						40,900			40,900		

Sample ID: JW-EA10-SS90-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.183)		PCB-109/119/86...	1,720	C	PCB-155	(0.154)		PCB-165	(0.194)	
PCB-96	8.39		PCB-117	68.9		PCB-152	1.97		PCB-146	301	
PCB-103	11.5		PCB-116/85	379	C	PCB-150	2.19		PCB-161	(0.174)	
PCB-94	6.17		PCB-110	3,060		PCB-136	219		PCB-153/168	1,750	C
PCB-95	1,050		PCB-115	(0.66)		PCB-145	0.838	J	PCB-141	333	
PCB-100/93	(0.855)	C	PCB-82	289		PCB-148	2.15		PCB-130	181	
PCB-102	9.1		PCB-111	1.72		PCB-151/135	540	C	PCB-137	169	
PCB-98	60.5		PCB-120	(0.63)		PCB-154	20.3		PCB-164	145	
PCB-88	(0.923)		PCB-108/124	101	C	PCB-144	82		PCB-163/138/129	2,720	C
PCB-91	262		PCB-107	181		PCB-147/149	1,430	C	PCB-160	(0.19)	
PCB-84	578		PCB-123	40		PCB-134	120		PCB-158	288	
PCB-89	18.1		PCB-106	(0.761)		PCB-143	6.95		PCB-128/166	486	C
PCB-121	(0.626)		PCB-118	2,450		PCB-139/140	50	C	PCB-159	(0.605)	
PCB-92	499		PCB-122	23.8		PCB-131	35.7		PCB-162	8.93	
PCB-113/90/101	2,570	C	PCB-114	45.9		PCB-142	(0.257)		PCB-167	93.8	
PCB-83	132		PCB-105	930		PCB-132	764		PCB-156/157	345	C
PCB-99	1,290		PCB-127	(0.996)		PCB-133	31.4		PCB-169	(1.35)	
PCB-112	(0.644)		PCB-126	5.29							
			Conc.	15,800					Conc.	10,100	
			EMPC	15,800					EMPC	10,100	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.631	J	PCB-174	259		PCB-202	75.3		PCB-208	65.4	
PCB-179	111		PCB-177	187		PCB-201	28.2		PCB-207	26.4	
PCB-184	(0.179)		PCB-181	4.68		PCB-204	(0.305)		PCB-206	279	
PCB-176	29.9		PCB-171/173	97.2	C	PCB-197	2.57				
PCB-186	(0.174)		PCB-172	43.9		PCB-200	22		Conc.	370	
PCB-178	57.4		PCB-192	(0.272)		PCB-198/199	324	C	EMPC	370	
PCB-175	12.6		PCB-180/193	567	C	PCB-196	99				
PCB-187	289		PCB-191	10.1		PCB-203	210		Deca	Conc.	Qualifiers
PCB-182	(0.329)		PCB-170	270		PCB-195	56.8		PCB-209	54.9	
PCB-183	173		PCB-190	47.8		PCB-194	240				
PCB-185	17.7		PCB-189	14.4		PCB-205	6.17				
			Conc.	2,190		Conc.	1,060				
			EMPC	2,190		EMPC	1,060				

Sample ID: JW-EA01-COMP-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	4.69 g	Sample ID:	A4373_9894_PCB_007	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	44.1 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44"-TeCB	10.8				ES PCB-1	49.2	
PCB-81 344'5"-TeCB	ND	1.17			ES PCB-3	53.5	
PCB-105 233'44"-PeCB	84.2				ES PCB-4	53	
PCB-114 2344'5"-PeCB	4.06				ES PCB-15	90.8	
PCB-118 23'44'5"-PeCB	235				ES PCB-19	79.2	
PCB-123 23'44'5"-PeCB	5.5				ES PCB-37	87.4	
PCB-126 33'44'5"-PeCB	ND	0.702			ES PCB-54	62.4	
PCB-156/157 233'44'5"/233'44'5"-HxCB	44.2			C	ES PCB-77	99.3	
PCB-167 23'44'55"-HxCB	15.8				ES PCB-81	107	
PCB-169 33'44'55"-HxCB	ND	0.946			ES PCB-104	60.4	
PCB-189 233'44'55"-HpCB	3.48				ES PCB-105	63.9	
					ES PCB-114	76.2	
TEQs (WHO M/H)					ES PCB-118	79.1	
					ES PCB-123	72.7	
ND = 0	0.0128			0.0128	ES PCB-126	81.3	
ND = 0.5 x DL	0.0623			0.0623	ES PCB-153	-	
					ES PCB-155	113	
Totals					ES PCB-156/157	113	
					ES PCB-167	120 V	
Mono-CBs	19.7				ES PCB-169	96.4	
Di-CBs	432		434		ES PCB-170	-	
Tri-CBs	3,650				ES PCB-180	-	
Tetra-CBs	5,260		5,270		ES PCB-188	82.8	
Penta-CBs	2,000				ES PCB-189	99.5	
Hexa-CBs	1,740				ES PCB-202	89.9	
Hepta-CBs	622				ES PCB-205	82.7	
Octa-CBs	182		189		ES PCB-206	73	
Nona-CBs	39				ES PCB-208	95	
Deca-CB	26				ES PCB-209	62.7	
					CS PCB-28	91.2	
Total PCB (Mono-Deca)	14,000		14,000		CS PCB-111	87.3	
					CS PCB-178	95.3	

Checkcode: 883-780-LPX


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA01-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	4.69 g		Sample ID:	A4373_9894_PCB_007		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	44.1 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	883-780-LPX		Time Analyzed:	04:12:49				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	7.87		PCB-19	49.3		PCB-54	1.8	J	PCB-72	4.61				
PCB-2	2.39		PCB-30/18	278	C	PCB-50/53	130	C	PCB-68	[1.96]	J EMPC			
PCB-3	9.4		PCB-17	183		PCB-45	163		PCB-57	(1.12)				
			PCB-27	40.8		PCB-51	30.3		PCB-58	(1.09)				
Conc.	19.7		PCB-24	7.39		PCB-46	58.4		PCB-67	19.9				
EMPC	19.7		PCB-16	194		PCB-52	838		PCB-63	18.7				
			PCB-32	138		PCB-73	(0.862)		PCB-61/70/74/76	563	C			
Di	Conc.	Qualifiers	PCB-34	2.19		PCB-43	45.1		PCB-66	283				
PCB-4	54.7		PCB-23	(1.15)		PCB-69/49	540	C	PCB-55	(1.11)				
PCB-10	[2.77]	EMPC	PCB-26/29	119	C	PCB-48	218		PCB-56	59				
PCB-9	6.21		PCB-25	62.6		PCB-44/47/65	930	C	PCB-60	26.6				
PCB-7	3.65		PCB-31	689		PCB-59/62/75	102	C	PCB-80	(1)				
PCB-6	21.5		PCB-28/20	1,010	C	PCB-42	294		PCB-79	2.41				
PCB-5	(1.79)		PCB-21/33	224	C	PCB-41	114		PCB-78	(1.22)				
PCB-8	99.3		PCB-22	327		PCB-71/40	424	C	PCB-81	(1.17)				
PCB-14	(1.5)		PCB-36	(1.12)		PCB-64	388		PCB-77	10.8				
PCB-11	27.8		PCB-39	5.4										
PCB-13/12	18.3	C	PCB-38	(1.21)										
PCB-15	200		PCB-35	12.2										
			PCB-37	307										
Conc.	432		Conc.	3,650					Conc.	5,260				
EMPC	434		EMPC	3,650					EMPC	5,270				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			4,100			4,110		
						Tetra-Hexa			9,000			9,000		
						Hepta-Deca			869			876		
Mono-Deca			14,000			14,000								

Sample ID: JW-EA01-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.31)		PCB-109/119/86...	177	C	PCB-155	(0.28)		PCB-165	(0.354)	
PCB-96	8.42		PCB-117	8.1		PCB-152	(0.281)		PCB-146	57	
PCB-103	4.18		PCB-116/85	47.4	C	PCB-150	0.841	J	PCB-161	(0.318)	
PCB-94	3.37		PCB-110	383		PCB-136	42.7		PCB-153/168	318	C
PCB-95	229		PCB-115	(0.692)		PCB-145	(0.299)		PCB-141	52.5	
PCB-100/93	(0.896)	C	PCB-82	29.8		PCB-148	(0.397)		PCB-130	28.6	
PCB-102	6.37		PCB-111	(0.705)		PCB-151/135	115	C	PCB-137	21	
PCB-98	25.2		PCB-120	(0.661)		PCB-154	(0.357)		PCB-164	26.6	
PCB-88	(0.968)		PCB-108/124	11.1	C	PCB-144	15.2		PCB-163/138/129	438	C
PCB-91	70.7		PCB-107	19		PCB-147/149	271	C	PCB-160	(0.346)	
PCB-84	92.3		PCB-123	5.5		PCB-134	18.9		PCB-158	42.4	
PCB-89	5.08		PCB-106	(0.797)		PCB-143	(0.432)		PCB-128/166	83.3	C
PCB-121	(0.656)		PCB-118	235		PCB-139/140	8.38	C	PCB-159	2.79	
PCB-92	67.9		PCB-122	3.1		PCB-131	5.34		PCB-162	1.99	J
PCB-113/90/101	290	C	PCB-114	4.06		PCB-142	(0.469)		PCB-167	15.8	
PCB-83	15.8		PCB-105	84.2		PCB-132	119		PCB-156/157	44.2	C
PCB-99	175		PCB-127	(0.94)		PCB-133	7.08		PCB-169	(0.946)	
PCB-112	(0.676)		PCB-126	(0.702)							
			Conc.	2,000					Conc.	1,740	
			EMPC	2,000					EMPC	1,740	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.347)		PCB-174	72.3		PCB-202	11.7		PCB-208	7.81	
PCB-179	34.5		PCB-177	56.9		PCB-201	[4.65]	EMPC	PCB-207	2.8	
PCB-184	(0.342)		PCB-181	0.956	J	PCB-204	(0.662)		PCB-206	28.4	
PCB-176	9.01		PCB-171/173	26.3	C	PCB-197	0.719	J			
PCB-186	(0.331)		PCB-172	13.8		PCB-200	2.34		Conc.	39	
PCB-178	19.1		PCB-192	(0.512)		PCB-198/199	52	C	EMPC	39	
PCB-175	3.51		PCB-180/193	164	C	PCB-196	22				
PCB-187	70		PCB-191	3.05		PCB-203	31.3		Deca	Conc.	Qualifiers
PCB-182	(0.593)		PCB-170	78.3		PCB-195	17.3		PCB-209	26	
PCB-183	47.1		PCB-190	14.9		PCB-194	44.6				
PCB-185	5.11		PCB-189	3.48		PCB-205	[2.04]	J EMPC			
			Conc.	622		Conc.	182				
			EMPC	622		EMPC	189				

Sample ID: JW-EA05-COMP-120509**Method 1668B**

Client Data		Sample Data		Laboratory Data			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	11-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	7.11 g	Sample ID:	A4373_9894_PCB_008	Date Extracted:	08-Jun-2012
Date Collected:	09-May-2012	% Solids	66.3 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44"-TeCB	EMPC		1.62		ES PCB-1	57.5	
PCB-81 344'5"-TeCB	ND	0.62			ES PCB-3	59.9	
PCB-105 233'44"-PeCB	9.2				ES PCB-4	58.7	
PCB-114 2344'5"-PeCB	ND	0.288			ES PCB-15	88.3	
PCB-118 23'44'5"-PeCB	23.7				ES PCB-19	84.8	
PCB-123 23'44'5"-PeCB	EMPC		0.423	J	ES PCB-37	99.8	
PCB-126 33'44'5"-PeCB	ND	0.223			ES PCB-54	63.5	
PCB-156/157 233'44'5"/233'44'5"-HxCB	EMPC		2.72	J C	ES PCB-77	148 V	
PCB-167 23'44'55"-HxCB	1.03			J	ES PCB-81	149 V	
PCB-169 33'44'55"-HxCB	ND	0.311			ES PCB-104	51.9	
PCB-189 233'44'55"-HpCB	EMPC		0.221	J	ES PCB-105	78.6	
					ES PCB-114	92.7	
TEQs (WHO M/H)					ES PCB-118	93.2	
					ES PCB-123	85.8	
ND = 0	0.00102		0.00128		ES PCB-126	99.2	
ND = 0.5 x DL	0.017		0.0172		ES PCB-153	-	
					ES PCB-155	104	
Totals					ES PCB-156/157	133 V	
					ES PCB-167	139 V	
Mono-CBs	5.28				ES PCB-169	113	
Di-CBs	21.8				ES PCB-170	-	
Tri-CBs	70.8				ES PCB-180	-	
Tetra-CBs	124		126		ES PCB-188	93.1	
Penta-CBs	157		158		ES PCB-189	96.9	
Hexa-CBs	141		147		ES PCB-202	110	
Hepta-CBs	50.2		53		ES PCB-205	88.1	
Octa-CBs	15.3		17.3		ES PCB-206	79.8	
Nona-CBs	5.15				ES PCB-208	96.2	
Deca-CB	2.31				ES PCB-209	77.6	
					CS PCB-28	86.6	
Total PCB (Mono-Deca)	592		608		CS PCB-111	101	
					CS PCB-178	105	

Checkcode: 627-948-LVF


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:55 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA05-COMP-120509**Method 1668B**

Client Data			Sample Data			Laboratory Data											
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	11-May-2012							
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	7.11 g		Sample ID:	A4373_9894_PCB_008		Date Extracted:	08-Jun-2012							
Date Collected:	09-May-2012		% Solids	66.3 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012							
			Units	pg/g		Checkcode:	627-948-LVF		Time Analyzed:	05:07:13							
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	2.63		PCB-19	(1.16)		PCB-54	(0.463)		PCB-72	(0.565)							
PCB-2	0.63	J	PCB-30/18	7.71	C	PCB-50/53	2.23	J C	PCB-68	(0.533)							
PCB-3	2.02		PCB-17	4.65		PCB-45	1.81		PCB-57	(0.594)							
			PCB-27	0.753	J	PCB-51	0.776	J	PCB-58	(0.578)							
Conc.	5.28		PCB-24	(0.759)		PCB-46	[0.663]	EMPC	PCB-67	(0.555)							
EMPC	5.28		PCB-16	4.11		PCB-52	18.1		PCB-63	(0.548)							
			PCB-32	3.7		PCB-73	(0.43)		PCB-61/70/74/76	26.9	C						
Di	Conc.	Qualifiers	PCB-34	(0.764)		PCB-43	(0.62)		PCB-66	16.2							
PCB-4	3.33		PCB-23	(0.739)		PCB-69/49	10.1	C	PCB-55	(0.591)							
PCB-10	(1.8)		PCB-26/29	2.49	J C	PCB-48	2.53		PCB-56	7.12							
PCB-9	(1.61)		PCB-25	1.52		PCB-44/47/65	15	C	PCB-60	3.06							
PCB-7	(1.39)		PCB-31	11.4		PCB-59/62/75	1.24	J C	PCB-80	(0.531)							
PCB-6	1.24	J	PCB-28/20	16.3	C	PCB-42	4.19		PCB-79	(0.522)							
PCB-5	(1.47)		PCB-21/33	5.95	C	PCB-41	1.32	J	PCB-78	(0.646)							
PCB-8	5.26		PCB-22	5.09		PCB-71/40	6.92	C	PCB-81	(0.62)							
PCB-14	(1.23)		PCB-36	(0.716)		PCB-64	6.27		PCB-77	[1.62]	EMPC						
PCB-11	6.56		PCB-39	(0.691)													
PCB-13/12	(1.42)	C	PCB-38	(0.773)													
PCB-15	5.44		PCB-35	(0.782)													
			PCB-37	7.11													
Conc.	21.8		Conc.	70.8					Conc.	124							
EMPC	21.8		EMPC	70.8					EMPC	126							
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC					
						Mono-Tri						97.9			97.9		
						Tetra-Hexa						421			432		
						Hepta-Deca						72.9			77.8		
						Mono-Deca						592			608		

Sample ID: JW-EA05-COMP-120509						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.212)		PCB-109/119/86...	15.9	C	PCB-155	(0.204)		PCB-165	(0.258)	
PCB-96	(0.222)		PCB-117	(0.345)		PCB-152	(0.205)		PCB-146	7.04	
PCB-103	(0.392)		PCB-116/85	4.71	C	PCB-150	(0.21)		PCB-161	(0.232)	
PCB-94	(0.452)		PCB-110	30.9		PCB-136	3.36		PCB-153/168	30.8	C
PCB-95	11.8		PCB-115	(0.327)		PCB-145	(0.217)		PCB-141	5.37	
PCB-100/93	(0.423)	C	PCB-82	2.83		PCB-148	(0.289)		PCB-130	[2.42]	EMPC
PCB-102	[0.286]	EMPC	PCB-111	(0.333)		PCB-151/135	10.7	C	PCB-137	1.8	
PCB-98	0.828	J	PCB-120	(0.312)		PCB-154	(0.26)		PCB-164	2.27	
PCB-88	(0.456)		PCB-108/124	[1.08]	J EMPC C	PCB-144	1.51		PCB-163/138/129	32.2	C
PCB-91	3.06		PCB-107	2.16		PCB-147/149	25.2	C	PCB-160	(0.252)	
PCB-84	6.19		PCB-123	[0.423]	J EMPC	PCB-134	[1.52]	EMPC	PCB-158	3.46	
PCB-89	(0.469)		PCB-106	(0.376)		PCB-143	(0.314)		PCB-128/166	4.62	C
PCB-121	(0.31)		PCB-118	23.7		PCB-139/140	(0.301)	C	PCB-159	(0.239)	
PCB-92	4.82		PCB-122	(0.329)		PCB-131	(0.342)		PCB-162	(0.255)	
PCB-113/90/101	24.5	C	PCB-114	(0.288)		PCB-142	(0.342)		PCB-167	1.03	J
PCB-83	1.48		PCB-105	9.2		PCB-132	10.6		PCB-156/157	[2.72]	J EMPC C
PCB-99	14.4		PCB-127	(0.455)		PCB-133	0.811	J	PCB-169	(0.311)	
PCB-112	(0.319)		PCB-126	(0.223)							
			Conc.	157					Conc.	141	
			EMPC	158					EMPC	147	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.163)		PCB-174	6.66		PCB-202	1.31	J	PCB-208	1.17	J
PCB-179	3.27		PCB-177	4.47		PCB-201	[0.441]	J EMPC	PCB-207	(0.755)	
PCB-184	(0.161)		PCB-181	(0.351)		PCB-204	(0.353)		PCB-206	3.98	
PCB-176	0.867	J	PCB-171/173	1.65	J C	PCB-197	(0.31)				
PCB-186	(0.156)		PCB-172	[1.03]	J EMPC	PCB-200	(0.341)		Conc.	5.15	
PCB-178	1.78		PCB-192	(0.295)		PCB-198/199	5.34	C	EMPC	5.15	
PCB-175	(0.372)		PCB-180/193	14.1	C	PCB-196	[1.64]	EMPC			
PCB-187	8.18		PCB-191	(0.291)		PCB-203	3.11		Deca	Conc.	Qualifiers
PCB-182	(0.336)		PCB-170	5.27		PCB-195	1.4	J	PCB-209	2.31	
PCB-183	3.92		PCB-190	[1.02]	J EMPC	PCB-194	4.11				
PCB-185	[0.558]	J EMPC	PCB-189	[0.221]	EMPC	PCB-205	(0.59)				
			Conc.	50.2		Conc.	15.3				
			EMPC	53		EMPC	17.3				

Sample ID: JW-EA07-COMP-120507**Method 1668B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	JELD-WEN, Inc.	Matrix:	Solid	Project No.:	A4373	Date Received:	09-May-2012
Project ID:	Jeld-Wen Surface Sediment	Weight/Volume:	5.84 g	Sample ID:	A4373_9894_PCB_009	Date Extracted:	08-Jun-2012
Date Collected:	07-May-2012	% Solids	58.3 %	QC Batch No.:	9894	Date Analyzed:	04-Jul-2012
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44"-TeCB	24.5				ES PCB-1	60.1	
PCB-81 344'5"-TeCB	ND	1.64			ES PCB-3	62.6	
PCB-105 233'44"-PeCB	297				ES PCB-4	62.6	
PCB-114 2344'5"-PeCB	14				ES PCB-15	93	
PCB-118 23'44'5"-PeCB	737				ES PCB-19	88.9	
PCB-123 23'44'5"-PeCB	11				ES PCB-37	102	
PCB-126 33'44'5"-PeCB	2.14				ES PCB-54	71.3	
PCB-156/157 233'44'5"/233'44'5"-HxCB	107			C	ES PCB-77	127 V	
PCB-167 23'44'55"-HxCB	29.5				ES PCB-81	134 V	
PCB-169 33'44'55"-HxCB	ND	1.07			ES PCB-104	57.2	
PCB-189 233'44'55"-HpCB	5.24				ES PCB-105	71.5	
					ES PCB-114	80	
TEQs (WHO M/H)					ES PCB-118	82.4	
					ES PCB-123	77.3	
ND = 0	0.252			0.252	ES PCB-126	80.9	
ND = 0.5 x DL	0.268			0.268	ES PCB-153	-	
					ES PCB-155	105	
Totals					ES PCB-156/157	103	
					ES PCB-167	113	
Mono-CBs	36.4				ES PCB-169	91.2	
Di-CBs	135		142		ES PCB-170	-	
Tri-CBs	628				ES PCB-180	-	
Tetra-CBs	2,470		2,480		ES PCB-188	83	
Penta-CBs	5,310		5,310		ES PCB-189	103	
Hexa-CBs	3,360				ES PCB-202	90.4	
Hepta-CBs	881				ES PCB-205	86.6	
Octa-CBs	264		272		ES PCB-206	79.2	
Nona-CBs	61				ES PCB-208	98	
Deca-CB	21.7				ES PCB-209	73.9	
					CS PCB-28	94.3	
Total PCB (Mono-Deca)	13,200		13,200		CS PCB-111	90.2	
					CS PCB-178	92.3	

Checkcode: 864-538-JYB


SGS AP PCB 2012 Rev. 1.4

Report Created: 04-Jul-2012 15:56 Analyst: CM



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA07-COMP-120507**Method 1668B**

Client Data			Sample Data			Laboratory Data								
Name:	JELD-WEN, Inc.		Matrix:	Solid		Project No.:	A4373		Date Received:	09-May-2012				
Project ID:	Jeld-Wen Surface Sediment		Weight/Volume:	5.84 g		Sample ID:	A4373_9894_PCB_009		Date Extracted:	08-Jun-2012				
Date Collected:	07-May-2012		% Solids	58.3 %		QC Batch No.:	9894		Date Analyzed:	04-Jul-2012				
			Units	pg/g		Checkcode:	864-538-JYB		Time Analyzed:	06:01:37				
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	15.4		PCB-19	4.66		PCB-54	(0.736)		PCB-72	[2.17]	EMPC			
PCB-2	5.3		PCB-30/18	61.3	C	PCB-50/53	22.5	C	PCB-68	(1.41)				
PCB-3	15.7		PCB-17	31.4		PCB-45	18.9		PCB-57	(1.57)				
			PCB-27	4.49		PCB-51	[4.52]	EMPC	PCB-58	13.9				
Conc.	36.4		PCB-24	(1.35)		PCB-46	7.52		PCB-67	7.98				
EMPC	36.4		PCB-16	28.4		PCB-52	510		PCB-63	10.4				
			PCB-32	26.7		PCB-73	[0.41]	EMPC	PCB-61/70/74/76	626	C			
Di	Conc.	Qualifiers	PCB-34	(1.27)		PCB-43	5.76		PCB-66	283				
PCB-4	12.7		PCB-23	(1.23)		PCB-69/49	161	C	PCB-55	(1.57)				
PCB-10	(2.47)		PCB-26/29	19.6	C	PCB-48	33.5		PCB-56	116				
PCB-9	(2.43)		PCB-25	10		PCB-44/47/65	279	C	PCB-60	52.6				
PCB-7	(2.1)		PCB-31	120		PCB-59/62/75	15.1	C	PCB-80	(1.41)				
PCB-6	[7.11]	EMPC	PCB-28/20	152	C	PCB-42	53.3		PCB-79	7.54				
PCB-5	(2.23)		PCB-21/33	61.5	C	PCB-41	13.9		PCB-78	(1.71)				
PCB-8	33.1		PCB-22	46.6		PCB-71/40	103	C	PCB-81	(1.64)				
PCB-14	(1.86)		PCB-36	(1.19)		PCB-64	102		PCB-77	24.5				
PCB-11	51.3		PCB-39	(1.15)										
PCB-13/12	5.39	C	PCB-38	(1.28)										
PCB-15	32.2		PCB-35	(1.3)										
			PCB-37	61.6										
Conc.	135		Conc.	628					Conc.	2,470				
EMPC	142		EMPC	628					EMPC	2,480				
 <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p> <p>2714 Exchange Drive Wilmington, NC 28405, USA</p>						Totals			Conc.			EMPC		
						Mono-Tri			800			807		
						Tetra-Hexa			11,100			11,100		
						Hepta-Deca			1,230			1,240		
Mono-Deca			13,200			13,200								

Sample ID: JW-EA07-COMP-120507						Method 1668B					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.402)		PCB-109/119/86...	586	C	PCB-155	(0.281)		PCB-165	(0.355)	
PCB-96	3.71		PCB-117	17.2		PCB-152	(0.282)		PCB-146	106	
PCB-103	3.72		PCB-116/85	126	C	PCB-150	(0.289)		PCB-161	(0.319)	
PCB-94	1.92		PCB-110	1,040		PCB-136	85.3		PCB-153/168	567	C
PCB-95	(0.725)		PCB-115	(0.558)		PCB-145	(0.299)		PCB-141	109	
PCB-100/93	(0.722)	C	PCB-82	98.7		PCB-148	(0.398)		PCB-130	54.6	
PCB-102	[3.45]	EMPC	PCB-111	(0.568)		PCB-151/135	198	C	PCB-137	48.2	
PCB-98	487		PCB-120	(0.532)		PCB-154	9.28		PCB-164	48.7	
PCB-88	(0.779)		PCB-108/124	31.6	C	PCB-144	31.4		PCB-163/138/129	860	C
PCB-91	92.8		PCB-107	51.6		PCB-147/149	516	C	PCB-160	(0.347)	
PCB-84	219		PCB-123	11		PCB-134	43.5		PCB-158	87.4	
PCB-89	6.51		PCB-106	(0.642)		PCB-143	(0.433)		PCB-128/166	149	C
PCB-121	(0.529)		PCB-118	737		PCB-139/140	16.8	C	PCB-159	4.37	
PCB-92	157		PCB-122	7.82		PCB-131	12		PCB-162	2.95	
PCB-113/90/101	856	C	PCB-114	14		PCB-142	(0.47)		PCB-167	29.5	
PCB-83	45.9		PCB-105	297		PCB-132	264		PCB-156/157	107	C
PCB-99	415		PCB-127	(0.795)		PCB-133	10.3		PCB-169	(1.07)	
PCB-112	(0.544)		PCB-126	[2.14]							
			Conc.	5,310					Conc.	3,360	
			EMPC	5,310					EMPC	3,360	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.325)		PCB-174	99.9		PCB-202	17		PCB-208	11.6	
PCB-179	50.8		PCB-177	70.8		PCB-201	8.51		PCB-207	5.26	
PCB-184	(0.32)		PCB-181	(0.706)		PCB-204	(0.582)		PCB-206	44.2	
PCB-176	12.7		PCB-171/173	35.6	C	PCB-197	1.42	J			
PCB-186	(0.31)		PCB-172	18.8		PCB-200	[6.35]	EMPC	Conc.	61	
PCB-178	23.6		PCB-192	(0.627)		PCB-198/199	73	C	EMPC	61	
PCB-175	4.78		PCB-180/193	228	C	PCB-196	31.1				
PCB-187	130		PCB-191	4.32		PCB-203	44.6		Deca	Conc.	Qualifiers
PCB-182	(0.677)		PCB-170	104		PCB-195	21.4		PCB-209	21.7	
PCB-183	73.4		PCB-190	19.5		PCB-194	66.7				
PCB-185	(0.712)		PCB-189	5.24		PCB-205	[2.3]	EMPC			
			Conc.	881		Conc.	264				
			EMPC	881		EMPC	272				

Analytical Method: 8290 1613 8280

1668A DLM Other:

QC Date	Prev. WG	Prev. WG	Workgroup*	Logbook#	Page#
07-Jun-12	N/A	N/A	-	19	1626

Sample Identification		Extraction by Modified Method 3540C (Soxhlet Extraction) ___ Dean-Stark? ___ Pre-Sox?				Extract Cleanup by Modified Method 3630/3620 (Silica/Florisol)			Injection Prep.
Client Sample ID	SGS Sample ID*	Sample Matrix	Sample Weight*	ES Amt.* (µL)	MX Amt. (µL)	CS Amt.* (µL)	PCU Analyst	PCU #2 Train	JS Amt.* (µL)
MB for HBN 24437 [HXX/1626]	75624	Soil	10.00	40	N/A	40	JHL	(1)	20
OPR for HBN 24437 [HXX/1626]	75625	Soil	10.00	40	50	40	JHL	(1)	20
JW-EA10-SS39-120507	31201450004	Soil	10.57	40	N/A	40	JHL	(2)	20
JW-EA10-SS43-120507	31201450005	Soil	9.60	40	N/A	40	JHL	(3)	20
JW-EA10-SS41-120507	31201450006	Soil	10.35	40	N/A	40	JHL	(4)	20
JW-EA10-SS42-120507	31201450007	Soil	11.32	40	N/A	40	JHL	(5)	20
JW-EA10-SS40-120507	31201450008	Soil	10.59	40	N/A	40	JHL	(6)	20
JW-EA10-SS90-120507	31201450009	Soil	10.30	40	N/A	40	JHL	(7)	20
JW-EA01-COMP-120507	31201450019	Soil	10.62	40	N/A	40	JHL	(8)	20
JW-EA07-COMP-120507	31201450030	Soil	10.02	40	N/A	40	JHL	(9)	20
JW-EA05-COMP-120509	31201450026	Soil	10.73	40	N/A	40	JHL	(10)	20
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
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Balance Reference:

WB1 SB1

Extraction Date/Time

Start: 6/7/12 19:00

Finish: 6/8/12 11:00

Extraction Analyst:

JHL

Data in prep table?

Cleanup Date/Time:

6/8/12 14:30

Dioxin Standards	Lot #	Conc. (ng/µL)	Analyst	Witness	Items	Lot #	
Extraction Std.	-	-	-	-	Toluene	STL1-1	
Matrix Spike	-	-	-	-	Tetradecane		
Cleanup Std.	-	-	-	-	MeCl	STL1-19	
Injection Std.	-	-	-	-	Salt	SPL3-26	
PCB Standards						Hexane	STL1-18
Extraction Std.	540-36	0.05	JHL	TML	Acid Silica	SPL3-24	
Matrix Spike	540-28	0.01	JHL	TML	Base Silica	SPL3-23	
Cleanup Std.	540-33	0.05	JHL	ML	Silica	SPL3-16J	
Injection Std.	539-231	0.10	JHL	N/A	Florisol	SPL3-16M	

Comments:

~~JHL 6/8/12~~

* = To be entered in the Prep Table. Data in prep table?



A4373 = AP_SGS project number

Anchor QEA 42 of 597
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

= samples in this project

Chain of Custody Record & Laboratory Analysis Request

TV 5_Jul 2012

Turnaround Requested:

Anchor Contact:

Page 1 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested								Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F & PCB	Archive	D/F & PCB						
Address: 5500 Business Drive		Proj. No.: 120909-01-01										
City, etc.: Wilmington NC 28405		Sampler: KC/NS										
Phone: (910) 350-1903		Shipping Method: Overnight										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EAS8-SS29-120S	5/7/12	11:00	Sed	1	X							
JW-EAS8-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EAS8-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EAS8-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EAS8-WMP-120S	5/7/12	14:26	Sed	1			X					
JW-EA08-SS29-120S	5/7/12	11:00	Sed	1		X						
JW-EA08-SS30-120S	5/7/12	11:10	Sed	1		X						
JW-EA08-SS31-120S	5/7/12	11:15	Sed	1		X						
JW-EA08-SS32-120S	5/7/12	12:25	Sed	1		X						
JW-EA08-WMP-120S	5/7/12	15:28	Sed	1			X					
JW-EA06-SS22-120S	5/7/12	11:17	Sed	1		X						
JW-EA06-SS22-120S	5/7/12	11:12	Sed	1		X						
JW-EA06-SS23-120S	5/7/12	11:30	Sed	1		X						
JW-EA06-SS24-120S	5/7/12	11:40	Sed	1		X						
JW-EA06-WMP-120S	5/7/12	16:00	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:	# of Coolers: 2	Cooler 3, Temp(s): 3.2°C
Printed Name: Julie Johnson	Printed Name:	Printed Name:		
Company: SGS	Company:	Company:	COC Seals Intact? NA	Bottles Intact?
Date/Time: 5/9/12 1015	Date/Time:	Date/Time:		

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 43 of 597
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jed Wern</i>		Analyses Requested								Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		PCB	Arochlor	Dioxin	D/F PCB					
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01.01</i>										
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KL/NS</i>										
Phone: <i>910.350.1903</i>		Shipping Method: <i>Overnight</i>										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
JW-EA10-SS39-1205	5/7/12	10:25	Sed	2	X	X						
JW-EA10-SS43-1205	5/7/12	12:20	Sed	2	X	X						
JW-EA10-SS41-1205	5/7/12	12:44	Sed	2	X	X						
JW-EA10-SS42-1205	5/7/12	09:03	Sed	2	X	X						
JW-EA10-SS40-1205	5/7/12	12:34	Sed	2	X	X						
JW-EA10-SS90-1205	5/7/12	12:34	Sed	1	X							
JW-EA10-COMP-1205	5/7/12	16:14	Sed	1		X						
JW-EA07-SS28-1205	5/7/12	12:00	Sed	1		X						
JW-EA07-SS25-1205	5/7/12	11:44	Sed	1		X						
JW-EA07-SS27-1205	5/7/12	12:14	Sed	1		X						
JW-EA07-SS26-1205	5/7/12	11:50	Sed	1		X						
JW-EA07-COMP-1205	5/7/12	16:33	Sed	1	X		X					<i>JB</i> <i>5/15/12</i>
JW-EA03-SS12-1205	5/7/12	13:00	Sed	1		X						
JW-EA03-SS11-1205	5/7/12	14:00	Sed	1		X						
JW-EA03-COMP-1205	5/7/12	16:53	Sed	1			X					

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Jolie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Jolie Johnson</i>	Printed Name:	Printed Name:	# of Coolers: <u>2</u> Cooler <u>3.6</u> Temp(s): <u>3.20</u> COC Seals Intact? <u>MA</u> Bottles Intact?	
Company: <u>SGS</u>	Company:	Company:		
Date/Time: <u>5/9/12 1015</u>	Date/Time:	Date/Time:		

no leads



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA 44 of 597
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 3 of 4

Lab Contact: Amy Boehm		Project: Jeld Wen		Analyses Requested							Notes/ Comments:
Lab: SGS		Surface Sediment		Archive for D/F 3 PCB	Archive	D/F 4 PCB	DIOXINS	D/F			
Address: 5500 Business Drive		Proj. No.: 120909-0101									
City, etc.: Wilmington NC 28405		Sampler: KCONS									
Phone: 910-350-1903		Shipping Method: Overnight									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
JW-EA03-SS10-1205	5/7/12	13:30	Sed	1	X						
JW-EA03-SS09-1205	5/7/12	13:45	Sed	1		X					
JW-EA02-SS05-1205	5/7/12	15:05	Sed	1		X					
JW-EA02-SS06-1205	5/7/12	14:56	Sed	1		X					
JW-EA02-SS08-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-SS07-1205	5/7/12	14:47	Sed	1		X					
JW-EA02-Comp-1205	5/7/12	17:10	Sed	1			X				
JW-EA04-SS13-1205	5/7/12	12:55	Sed	1		X					
JW-EA04-SS16-1205	5/7/12	12:40	Sed	1		X					
JW-EA04-SS14-1205	5/7/12	12:50	Sed	1		X					
JW-EA04-SS15-1205	5/7/12	12:30	Sed	1		X					
JW-EA04-Comp-1205	5/7/12	17:25	Sed	1			X				
JW-EA01-SS04-1205	5/7/12	15:00	Sed	2		X		X			
JW-EA01-SS01-1205	5/7/12	15:22	Sed	2		X		X X			
JW-EA01-SS02-1205	5/7/12	15:15	Sed	2		X			X		

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler Temp(s):
			2	3.1, 3.20
			COC Seals Intact?	Bottles Intact?
			NA	

no seals



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
 720 Olive Way, Suite 1900 ^{45 of 597}
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

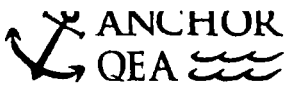
Turnaround Requested:

Anchor Contact:

Page 4 of 4

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>		Analyses Requested							Notes/ Comments:
Lab: <i>SGS</i>		Surface Sediment		Archive	Dioxins	D/F	PCBs	D/F & PCBs			
Address: <i>5500 Business Drive</i>		Proj. No.: <i>120909-01-01</i>									
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>KC/NS</i>									
Phone: <i>910.350.7903</i>		Shipping Method: <i>Overnight</i>									
Fax:		AirBill #:									
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers							
<i>JW-EA01-SS03-1205</i>	<i>5/7/12</i>	<i>15:10</i>	<i>Sed</i>	<i>2</i>	<i>X</i>	<i>X</i>					
<i>JW-EA01-SS51-1205</i>	<i>5/7/12</i>	<i>15:22</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA01-COMP</i>	<i>1205 5/7/12</i>	<i>17:39</i>	<i>Sed</i>	<i>1</i>			<i>X</i>				
<i>JW-EA09-SS34</i>	<i>1205 5/7/12</i>	<i>14:11</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS37</i>	<i>1205 5/7/12</i>	<i>13:46</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS35</i>	<i>1205 5/7/12</i>	<i>13:36</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS38</i>	<i>1205 5/7/12</i>	<i>13:50</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS33</i>	<i>1205 5/7/12</i>	<i>13:24</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-EA09-SS36</i>	<i>1205 5/7/12</i>	<i>14:01</i>	<i>Sed</i>	<i>1</i>	<i>X</i>						
<i>JW-RB-1205</i>	<i>5/7/12</i>	<i>17:58</i>	<i>Sed</i>	<i>2</i>		<i>X</i>	<i>X</i>				
<i>JW-EA09-COMP-1205</i>	<i>5/7/12</i>	<i>18:03</i>	<i>Sed</i>	<i>1</i>			<i>X</i>	<i>X</i>			
<i>JW-FB-1205</i>	<i>5/7/12</i>	<i>19:00</i>		<i>1</i>			<i>X</i>				

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	<i>Sample from JW-EA01-COMP-1205</i>	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By: <i>Julie Johnson</i>	Received By:	Received By:		
Printed Name: <i>Julie Johnson</i>	Printed Name:	Printed Name:	# of Coolers:	Cooler <i>3, 1, 3, 2</i>
Company: <i>SGS</i>	Company:	Company:	COC Seals Intact? <i>N/A</i>	Bottles Intact?
Date/Time: <i>5/4/12 1015</i>	Date/Time:	Date/Time:	<i>No Seals</i>	



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1400 of 597
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact: Nathan Succovsky Page 1 of 1

Lab Contact: <u>Amy Boehm</u>		Project: <u>Jeld Wen</u>		Analyses Requested							Notes/ Comments:			
Lab: <u>SGS</u>		Surface Sediment		Archive	D/F PCB	PUB/D/F/PAHS								
Address: <u>5500 Business Drive</u>		Proj. No.: <u>120909-01.01</u>									Sample ID	Sample Date	Sample Time	Sample Matrix
City, etc.: <u>Wilmington NC 28405</u>		Sampler: <u>NS/KC</u>												
Phone: <u>910-350-1903</u>		Shipping Method: <u>Overnight</u>												
Fax:		AirBill #:												
<u>JW-UR-TISSUE-120508</u>	<u>5/8/12</u>	<u>11:00</u>	<u>TISSUE</u>	<u>3</u>										
<u>JW-DET TISSUE-120508</u>	<u>5/8/12</u>	<u>11:30</u>	<u>TISSUE</u>	<u>2</u>										
<u>JW-UR TISSUE-120508</u>	<u>5/8/12</u>	<u>12:30</u>	<u>TISSUE</u>	<u>5</u>										
<u>JW-EA05-SS19-1205</u>	<u>5/9/12</u>	<u>11:32</u>	<u>Sed</u>	<u>1</u>	<u>X</u>									
<u>JW-EA05-SS20-1205</u>	<u>5/9/12</u>	<u>11:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>									
<u>JW-EA05-SS18-1205</u>	<u>5/9/12</u>	<u>10:55</u>	<u>Sed</u>	<u>1</u>	<u>X</u>									
<u>JW-EA05-SS17-1205</u>	<u>5/9/12</u>	<u>10:10</u>	<u>Sed</u>	<u>1</u>	<u>X</u>									
<u>JW-EA05-SS17 COMP-1205</u>	<u>5/9/12</u>	<u>14:14</u>	<u>Sed</u>	<u>1</u>		<u>X</u>								

Q.C. Process begin

Relinquished: (Signature) <u>C Fields</u>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <u>Cindy Fields</u>	Printed Name:	Printed Name:		
Company: <u>Anchor QEA</u>	Company:	Company:		
Date/Time: <u>5/10/12 10:37am</u>	Date/Time:	Date/Time:		
Received By: <u>Johanna</u>	Received By:	Received By:		
Printed Name: <u>Julie Schwiser</u>	Printed Name:	Printed Name:		
Company: <u>SGS Analytical Business</u>	Company:	Company:	# of Coolers: <u>2</u>	Cooler Temp(s): <u>5°C</u>
Date/Time: <u>5/11/12 1300</u>	Date/Time:	Date/Time:	COC Seals Intact? <u>Yes</u>	Bottles Intact? <u>Yes</u>

NO Seals

31248/045970



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 1 of 2

Lab Contact: Amy Boehm		Project: Jeld Wen Surface Sediment			Analyses Requested							Notes/ Comments:	
Lab: SGS		Proj. No.: 120909-01.01			Archive	D/F & PCB							
Address: 5500 Business Drive		Sampler: NS/KC											
City, etc: Wilmington NC 28405		Shipping Method: Overnight											
Phone: 910 350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
JW-UR-SS47-1205	5/8/12	11:34	Sed	1	X								
JW-UR-SS46-1205	5/8/12	11:26	Sed	1	X								
JW-UR-SS45-1205	5/8/12	11:11	Sed	1	X								
JW-UR-SS44-1205	5/8/12	10:57	Sed	1	X								
JW-UR-COMP-1205	5/8/12	14:12	Sed	1		X							
JW-DR-SS48-1205	5/8/12	10:16	Sed	1	X								
JW-DR-SS49-1205	5/8/12	11:20	Sed	1	X								
JW-DR-SS50-1205	5/8/12	11:40	Sed	1	X								
JW-DR-SS51-1205	5/8/12	11:50	Sed	1	X								
JW-DR-COMP-1205	5/8/12	14:32	Sed	1		X							
JW-RG-SS52-1205	5/8/12	12:05	Sed	1	X								
JW-RG-SS55-1205	5/8/12	12:21	Sed	1	X								
JW-RG-SS53-1205	5/8/12	12:10	Sed	1	X								
JW-RG-SS54-1205	5/8/12	12:22	Sed	1	X								
JW-RG-COMP-1205	5/8/12	17:28	Sed	1		X							

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:		
Company: <i>Anchor QEA</i>	Company:	Company:		
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:	# of Coolers: <i>1</i>	Cooler Temp(s): <i>1.3</i>
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company: <i>SGS</i>		
Date/Time:	Date/Time:	Date/Time: <i>5/11/12-0915</i>		
			COC Seals Intact? <i>n/a</i>	Bottles Intact? <i>Y</i>

1015

3862597450



Chain of Custody Record & Laboratory Analysis Request

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested:

Anchor Contact:

Page 2 of 2

Lab Contact: <i>Amy Boehm</i>		Project: <i>Jeld Wen</i>			Analyses Requested							Notes/ Comments:	
Lab: <i>SGS</i>		<i>Sea Surface Sediment</i>			PCB/DIF/PAHs								
Address: <i>5800 Business Drive</i>		Proj. No.: <i>120909-01.01</i>											
City, etc.: <i>Wilmington NC 28405</i>		Sampler: <i>NS/KC</i>											
Phone: <i>910 350-1903</i>		Shipping Method: <i>Overnight</i>											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
<i>JW-EA10-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>3</i>	<i>X</i>								
<i>JW-EA01-Tissue</i>	<i>5/11/12 12:00</i>	<i>12:00</i>	<i>Tissue</i>	<i>5</i>	<i>X</i>								

Relinquished: (Signature) <i>C Fields</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: <i>Cindy Fields</i>	Printed Name:	Printed Name:	
Company: <i>Anchor QEA</i>	Company:	Company:	
Date/Time: <i>5/9/12 11:30am</i>	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	
Printed Name:	Printed Name:	Printed Name: <i>Amy Boehm</i>	
Company:	Company:	Company: <i>SGS</i>	# of Coolers: <i>1</i>
Date/Time:	Date/Time:	Date/Time: <i>5/11/12 10:15</i>	Cooler Temp(s): <i>1.3°C</i>
			COC Seals Intact? <i>2/4</i>
			Bottles Intact? <i>4</i>

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Jeld Wen

Work Order No.: 31201450

1. Shipped
 Hand Delivered

Notes: _____

2. COC Present on Receipt
 No COC
 Additional Transmittal Forms

3. Custody Tape on Container
 No Custody Tape

4. Samples Intact
 Samples Broken / Leaking

5. Chilled on Receipt Actual Temp.(s) in °C: 11.6, 1.3
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Received Outside of Temperature Specifications

6. Sufficient Sample Submitted
 Insufficient Sample Submitted

7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)

8. Received Within Holding Time
 Not Received Within Holding Time

9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Descrepancies*

10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: One cooler containing JW-EA05-SS19, SS20, SS18, SS17, COMP-120509 out of temperature protocol, all ice melted.

Did not receive JW-EA10-TISSUE-120507, JW-EA01-TISSUE-120507.

Inspected and Logged in by: JJ

Date: Mon-5/14/12 00:00

Analytical Perspectives — Run Log

Project: A4373_9894_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120703V17	4	CS3_120703_PCB_VB	1.00	S40-51	CEM	269-428	03-Jul-2012	19:11:31
2	120703V18	49	OPR_9894_PCB	1.00	OPR #75625	CEM	567-894	03-Jul-2012	20:03:41
3	120703V19	2	SBS_120703_PCB_VA	1.00	SIL 9-41-1	CEM	595-245	03-Jul-2012	20:57:59
4	120703V20	50	MB1_9894_PCB_TLX	1.00	MB #75624	CEM	472-698	03-Jul-2012	21:52:23
5	120703V21	51	A4373_9894_PCB_001	6.44	JW-EA10-SS39-120507	CEM	202-931	03-Jul-2012	22:46:40
6	120703V22	52	A4373_9894_PCB_002	5.54	JW-EA10-SS43-120507	CEM	883-062	03-Jul-2012	23:41:03
7	120703V23	53	A4373_9894_PCB_003	6.64	JW-EA10-SS41-120507	CEM	125-675	04-Jul-2012	00:35:27
8	120703V24	54	A4373_9894_PCB_004	6.60	JW-EA10-SS42-120507	CEM	131-277	04-Jul-2012	01:29:50
9	120703V25	55	A4373_9894_PCB_005	6.11	JW-EA10-SS40-120507	CEM	638-331	04-Jul-2012	02:24:07
10	120703V26	56	A4373_9894_PCB_006	6.03	JW-EA10-SS90-120507	CEM	868-230	04-Jul-2012	03:18:31
11	120703V27	57	A4373_9894_PCB_007	4.69	JW-EA01-COMP-120507	CEM	883-780	04-Jul-2012	04:12:49
12	120703V28	58	A4373_9894_PCB_008	7.11	JW-EA05-COMP-120509	CEM	627-948	04-Jul-2012	05:07:13
13	120703V29	59	A4373_9894_PCB_009	5.84	JW-EA07-COMP-120507	CEM	864-538	04-Jul-2012	06:01:37

REVIEWED*By Chris Mimms at 4:19 pm, Jul 04, 2012***REVIEWED***By Todd Vilen at 11:52 am, Jul 08, 2012*

Lab ID: MB1_9894_PCB_TLX

ACQ: 03-Jul-2012 21:52:23 CEM

Wt/Vol: 5.00 g

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: MB #75624

UTP: 04-Jul-2012 10:40 CEM

J-level: 2 pg/g Split: 1

Checkcode: 743-689-ZQX

Datafile: 120703V20

RPT: 04-Jul-2012 15:52 CM

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0007	-		0.00E+00		1.11	ND	8.40E+03	1.37
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	8.40E+03	1.35
PCB-105 233'44'-PeCB	34.15	J	1.0007	1.0006	-0.2	2.31E+04	0.68	1.05	0.566	1.57E+03	0.389
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	1.57E+03	0.374
PCB-118 23'44'5'-PeCB	33.17	J EMPC	1.0008	1.0007	-0.2	4.26E+04	0.79	1.04	1.03	1.57E+03	0.377
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.01	ND	1.57E+03	0.401
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.71E+03	0.409
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.16	ND	1.42E+03	0.5
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.24	ND	1.42E+03	0.306
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	1.42E+03	1.29
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.05	ND	1.64E+03	0.397
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.83E+03	1.14
ES PCB-1	10.95		0.7216	0.7215	-0.1	1.97E+07	3.26	1.02	58.8 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	1.90E+07	3.39	1.02	56.7 %	11%	106%
ES PCB-4	13.31		0.8767	0.8766	-0.1	1.24E+07	1.53	0.68	55.2 %	14%	107%
ES PCB-15	18.75		1.2346	1.2349	+0.3	2.45E+07	1.61	1.06	70.5 %	19%	107%
ES PCB-19	16.22		1.0683	1.0684	+0.1	1.10E+07	1.08	0.49	67.8 %	1%	108%
ES PCB-37	24.91		1.0817	1.0818	+0.1	1.94E+07	1.12	1.51	71.2 %	25%	123%
ES PCB-54	19.01		0.8258	0.8255	-0.3	1.44E+07	0.75	1.37	58.4 %	13%	105%
ES PCB-77	31.16		1.3528	1.3533	+0.9	2.17E+07	0.85	1.17	103 %	31%	109%
ES PCB-81	30.69		1.3325	1.3330	+0.9	2.24E+07	0.83	1.13	110 %	14%	127%
ES PCB-104	23.86		0.8252	0.8250	-0.3	1.52E+07	1.50	1.90	48.5 %	36%	115%
ES PCB-105	34.13		1.1796	1.1798	+0.4	1.55E+07	1.59	1.15	81.8 %	50%	111%
ES PCB-114	33.59		1.1611	1.1613	+0.4	1.47E+07	1.56	1.22	73.5 %	41%	121%
ES PCB-118	33.14		1.1454	1.1457	+0.6	1.59E+07	1.56	1.24	77.5 %	49%	111%
ES PCB-123	32.86		1.1358	1.1360	+0.4	1.55E+07	1.54	1.29	72.8 %	49%	116%
ES PCB-126	36.74		1.2698	1.2702	+0.9	1.62E+07	1.62	1.40	70.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.76		0.8040	0.8038	-0.3	1.76E+07	1.28	1.45	79.5 %	25%	124%
ES PCB-156/157	39.29		1.0982	1.0984	+0.5	2.63E+07	1.27	0.94	91.6 %	40%	120%
ES PCB-167	38.32		1.0711	1.0712	+0.2	1.52E+07	1.24	0.93	107 %	45%	118%
ES PCB-169	42.03	V	1.1746	1.1749	+0.8	3.94E+06	1.27	0.88	29.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.60		0.7312	0.7309	-0.6	1.58E+07	1.04	1.52	68.3 %	23%	125%
ES PCB-189	44.18		0.9611	0.9611	0	1.59E+07	1.06	2.05	98.5 %	47%	116%
ES PCB-202	38.13		0.8297	0.8294	-0.7	1.53E+07	0.93	1.21	83.3 %	31%	134%
ES PCB-205	46.37		1.0088	1.0088	0	8.28E+06	0.91	1.28	81.6 %	46%	115%
ES PCB-206	47.86		1.0412	1.0412	0	6.43E+06	0.78	1.12	72.6 %	38%	122%
ES PCB-208	43.78		0.9525	0.9525	0	1.11E+07	0.82	1.46	96.1 %	31%	126%
ES PCB-209	49.25		1.0713	1.0715	+0.6	6.22E+06	1.18	1.16	67.8 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9310	0	2.30E+07	1.12	1.09	109 %	14%	131%
CS/SS PCB-111	31.21	V	1.0789	1.0789	0	1.75E+07	1.59	0.93	121 %	57%	112%
CS/SS PCB-178	36.16		1.0108	1.0109	+0.2	1.16E+07	1.01	0.63	117 %	57%	125%
CS PCB-28	21.44		0.9310	0.9310	0	2.30E+07	1.12	1.64	77.6 %	14%	131%
CS PCB-111	31.21		1.0789	1.0789	0	1.75E+07	1.59	1.20	88.5 %	57%	112%
CS PCB-178	36.16		1.0108	1.0109	+0.2	1.16E+07	1.01	0.95	80.2 %	57%	125%
JS PCB-9	15.18					3.28E+07	1.60				
JS PCB-52	23.03					1.80E+07	0.77				
JS PCB-101	28.93					1.65E+07	1.60				
JS PCB-138	35.77					1.52E+07	1.29				
JS PCB-194	45.97					7.90E+06	0.88				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			0		0		1.75	
			Di-CBs			7.6		7.6		4.64	
			Tri-CBs			0		0		2.09	
			Tetra-CBs			3.36		3.36		1.31	
			Penta-CBs			8.22		9.25		0.39	
			Hexa-CBs			0		4.69		0.586	
			Hepta-CBs			0		0		0.497	
			Octa-CBs			0		0		0.562	
			Nona-CBs			0		0		3.33	
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00		1.00	ND	1.36E+04	1.54
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00		1.31	ND	1.36E+04	1.44
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00		0.96	ND	1.36E+04	1.96
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		0.82	ND	2.16E+04	5.56
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.16E+04	3.11
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	2.61E+04	3.72
PCB-7 24'-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.61E+04	3.21
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00		1.03	ND	2.61E+04	3.44
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.61E+04	3.4
PCB-8 24'-DiCB	NotFnd		1.0517	-		0.00E+00		1.04	ND	2.61E+04	3.39
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.61E+04	2.84
PCB-11 33'-DiCB	18.20		0.9713	0.9711	-0.2	4.96E+05	1.58	1.06	7.6	2.61E+04	3.33
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.61E+04	3.29
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00		0.95	ND	2.61E+04	3.71
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	7.09E+03	2.3
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.27	ND	7.09E+03	1.67
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.07	ND	7.09E+03	1.97
PCB-27 23'6-TrCB	NotFnd		1.1406	-		0.00E+00		1.46	ND	7.09E+03	1.44
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	7.09E+03	1.5
PCB-16 22'3-TrCB	NotFnd		1.1537	-		0.00E+00		0.82	ND	7.09E+03	2.59

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1827	-		0.00E+00		1.52	ND	7.09E+03	1.39
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.02E+04	1.45
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8324	-		0.00E+00		1.43	ND	1.02E+04	1.4
PCB-25 23'4-TrCB	NotFnd		0.8401	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-31 24'5-TrCB	NotFnd		0.8509	-		0.00E+00		1.47	ND	1.02E+04	1.37
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8618	-		0.00E+00		1.42	ND	1.02E+04	1.42
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8687	-		0.00E+00		1.44	ND	1.02E+04	1.4
PCB-22 234'-TrCB	NotFnd		0.8834	-		0.00E+00		1.33	ND	1.02E+04	1.51
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.02E+04	1.35
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.02E+04	1.31
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.02E+04	1.46
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.02E+04	1.48
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.07	ND	1.02E+04	1.88
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.63E+03	1.04
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9106	-		0.00E+00		0.60	ND	4.63E+03	1.39
PCB-45 22'36-TeCB	NotFnd		0.9351	-		0.00E+00		0.53	ND	4.63E+03	1.58
PCB-51 22'46'-TeCB	NotFnd		0.9384	-		0.00E+00		0.59	ND	4.63E+03	1.42
PCB-46 22'36'-TeCB	NotFnd		0.9469	-		0.00E+00		0.49	ND	4.63E+03	1.69
PCB-52 22'55'-TeCB	23.05		1.0010	1.0011	+0.1	1.12E+05	0.72	0.59	3.36	4.63E+03	1.41
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.63E+03	1.09
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	4.63E+03	1.58
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		0.72	ND	4.63E+03	1.16
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.60	ND	4.63E+03	1.4
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.64	ND	4.63E+03	1.31
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0514	-		0.00E+00		0.81	ND	4.63E+03	1.03
PCB-42 22'34'-TeCB	NotFnd		1.0582	-		0.00E+00		0.55	ND	4.63E+03	1.53
PCB-41 22'34-TeCB	NotFnd		1.0722	-		0.00E+00		0.51	ND	4.63E+03	1.64
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0764	-		0.00E+00		0.60	ND	4.63E+03	1.39
PCB-64 234'6-TeCB	NotFnd		1.0850	-		0.00E+00		0.86	ND	4.63E+03	0.97
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	8.40E+03	1.23
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	8.40E+03	1.16
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	8.40E+03	1.29
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	8.40E+03	1.26
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	8.40E+03	1.21
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	8.40E+03	1.19
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8856	-		0.00E+00		1.21	ND	8.40E+03	1.26
PCB-66 23'44'-TeCB	NotFnd		0.8947	-		0.00E+00		1.12	ND	8.40E+03	1.35
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	8.40E+03	1.28
PCB-56 233'4'-TeCB	NotFnd		0.9132	-		0.00E+00		1.12	ND	8.40E+03	1.36
PCB-60 2344'-TeCB	NotFnd		0.9193	-		0.00E+00		1.17	ND	8.40E+03	1.3
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	8.40E+03	1.15
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	8.40E+03	1.13
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	8.40E+03	1.4
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.65E+03	0.388
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.65E+03	0.407
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	1.57E+03	0.464
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	1.57E+03	0.536

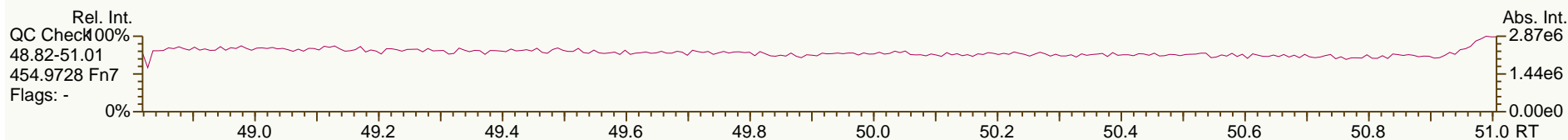
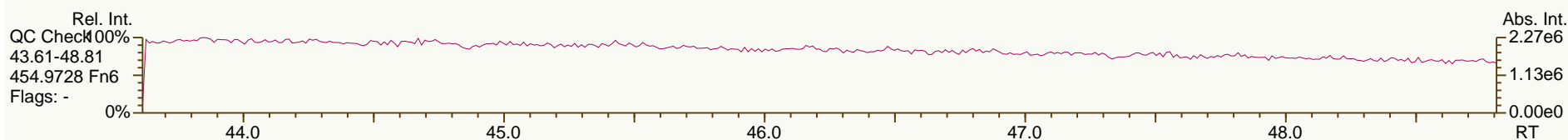
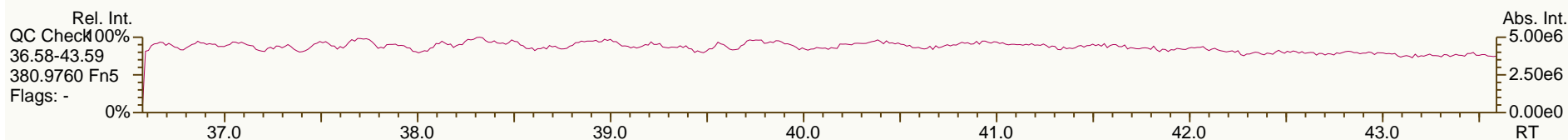
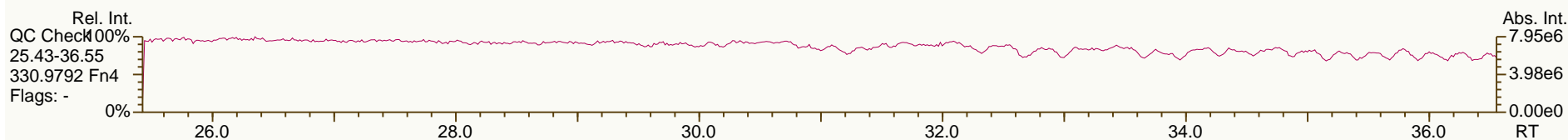
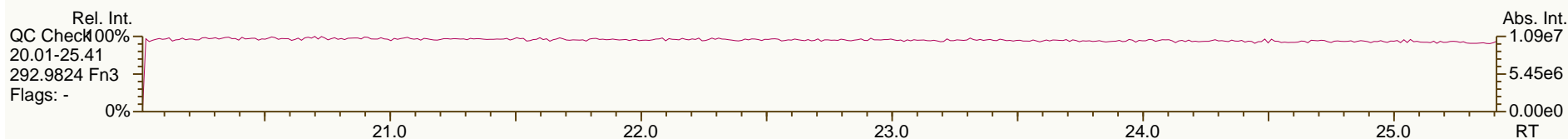
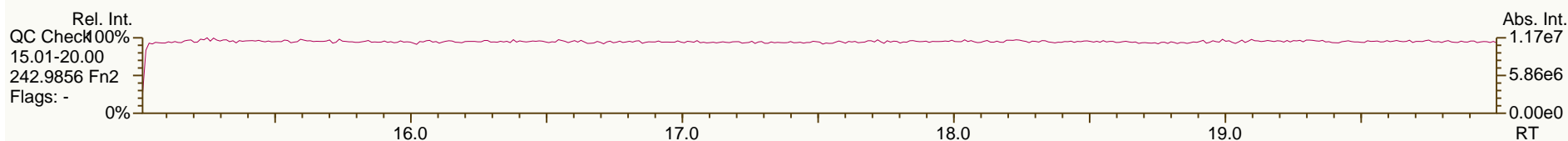
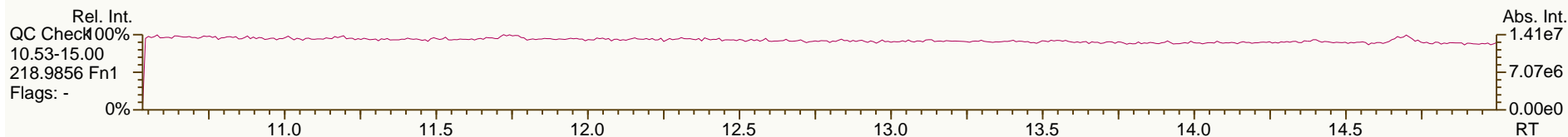
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.43	J	0.9137	0.9138	+0.2	5.80E+04	0.55	0.80	1.87	1.57E+03	0.503
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	1.57E+03	0.501
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	1.57E+03	0.447
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	1.57E+03	0.536
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	1.57E+03	0.541
PCB-91 22'34'6-PeCB	NotFnd		0.9394	-		0.00E+00		0.87	ND	1.57E+03	0.464
PCB-84 22'33'6-PeCB	NotFnd		0.9457	-		0.00E+00		0.70	ND	1.57E+03	0.579
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	1.57E+03	0.556
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	1.57E+03	0.367
PCB-92 22'355'-PeCB	NotFnd		0.9834	-		0.00E+00		0.77	ND	1.57E+03	0.529
PCB-113/90/101 ...-PeCB	28.95	J C	0.9998	1.0007	+1.6	5.98E+04	0.56	0.91	1.7	1.57E+03	0.446
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.68	ND	1.57E+03	0.597
PCB-99 22'44'5-PeCB	29.44	J	1.0180	1.0179	-0.2	2.66E+04	0.57	0.82	0.836	1.57E+03	0.492
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	1.57E+03	0.378
PCB-108/119/86/97/125...-PeCB	29.91	J C	1.0330	1.0340	+1.8	4.96E+04	0.64	0.90	1.43	1.57E+03	0.45
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	1.57E+03	0.409
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0541	-		0.00E+00		0.92	ND	1.57E+03	0.439
PCB-110 233'4'6-PeCB	30.62	J	1.0584	1.0586	+0.4	6.90E+04	0.69	0.98	1.82	1.57E+03	0.412
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	1.57E+03	0.387
PCB-82 22'33'4-PeCB	NotFnd		1.0677	-		0.00E+00		0.64	ND	1.57E+03	0.631
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	1.57E+03	0.394
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	1.57E+03	0.369
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.57E+03	0.424
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.05	ND	1.57E+03	0.385
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	1.57E+03	0.446
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	1.57E+03	0.426
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	1.57E+03	0.44
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.17E+03	0.252
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.17E+03	0.252
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.17E+03	0.259
PCB-136 22'33'66'-HxCB	NotFnd		1.0209	-		0.00E+00		0.96	ND	1.17E+03	0.272
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.17E+03	0.268
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.17E+03	0.356
PCB-151/135 ...-HxCB	NotFnd	C	1.0926	-		0.00E+00		0.71	ND	1.17E+03	0.369
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.17E+03	0.32
PCB-144 22'345'6-HxCB	NotFnd		1.1089	-		0.00E+00		0.72	ND	1.17E+03	0.363
PCB-147/149 ...-HxCB	32.18	J EMPC C	1.1193	1.1192	-0.2	5.69E+04	1.46	0.74	1.76	1.17E+03	0.354
PCB-134 22'33'56-HxCB	NotFnd		1.1251	-		0.00E+00		0.63	ND	1.17E+03	0.416
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.17E+03	0.388
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.17E+03	0.372
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.17E+03	0.421
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.17E+03	0.421
PCB-132 22'33'46'-HxCB	NotFnd		1.1559	-		0.00E+00		0.63	ND	1.17E+03	0.414
PCB-133 22'33'55'-HxCB	NotFnd		1.1710	-		0.00E+00		0.68	ND	1.17E+03	0.386
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.17E+03	0.318
PCB-146 22'34'55'-HxCB	NotFnd		0.9569	-		0.00E+00		0.72	ND	1.17E+03	0.362
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.17E+03	0.286
PCB-153/168 ...-HxCB	34.75	J EMPC C	0.9720	0.9715	-1.0	4.49E+04	1.69	0.85	1.21	1.17E+03	0.308

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9758	-		0.00E+00		0.68	ND	1.17E+03	0.384
PCB-130 22'33'45'-HxCB	NotFnd		0.9853	-		0.00E+00		0.60	ND	1.17E+03	0.434
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		0.64	ND	1.17E+03	0.41
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9931	-		0.00E+00		0.91	ND	1.17E+03	0.287
PCB-163/138/129 ...-HxCB	35.80	J EMPC C	1.0011	1.0007	-0.9	5.34E+04	0.93	0.71	1.72	1.17E+03	0.369
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.17E+03	0.311
PCB-158 233'44'6'-HxCB	NotFnd		1.0101	-		0.00E+00		0.89	ND	1.17E+03	0.293
PCB-128/166 ...-HxCB	NotFnd	C	0.9619	-		0.00E+00		0.93	ND	1.42E+03	0.411
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	1.42E+03	0.331
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	1.42E+03	0.353
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.55E+03	0.417
PCB-179 22'33'566'-HpCB	NotFnd		1.0086	-		0.00E+00		0.93	ND	1.55E+03	0.425
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.55E+03	0.41
PCB-176 22'33'466'-HpCB	NotFnd		1.0309	-		0.00E+00		1.04	ND	1.55E+03	0.377
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.55E+03	0.397
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0769	-		0.00E+00		0.72	ND	1.55E+03	0.547
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	1.66E+03	0.573
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0998	-		0.00E+00		0.80	ND	1.66E+03	0.531
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	1.66E+03	0.518
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1152	-		0.00E+00		0.82	ND	1.66E+03	0.519
PCB-185 22'3455'6'-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	1.66E+03	0.545
PCB-174 22'33'456'-HpCB	NotFnd		1.1207	-		0.00E+00		0.72	ND	1.66E+03	0.584
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1319	-		0.00E+00		0.62	ND	1.66E+03	0.683
PCB-181 22'344'56'-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	1.66E+03	0.541
PCB-171/173 ...-HpCB	NotFnd	C	1.1474	-		0.00E+00		0.67	ND	1.66E+03	0.632
PCB-172 22'33'455'-HpCB	NotFnd		0.9042	-		0.00E+00		0.71	ND	1.66E+03	0.6
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	1.66E+03	0.434
PCB-180/193 ...-HpCB	NotFnd	C	0.9160	-		0.00E+00		0.82	ND	1.66E+03	0.515
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	1.66E+03	0.429
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9406	-		0.00E+00		0.67	ND	1.66E+03	0.627
PCB-190 233'44'56-HpCB	NotFnd		0.9509	-		0.00E+00		0.88	ND	1.66E+03	0.478
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.86	ND	1.65E+03	0.491
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0211	-		0.00E+00		1.05	ND	1.65E+03	0.4
PCB-204 22'344'566'-OcCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.65E+03	0.447
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	1.65E+03	0.394
PCB-200 22'33'4566'-OcCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	1.65E+03	0.432
PCB-198/199 ...-OcCB	NotFnd	C	1.1049	-		0.00E+00		0.62	ND	1.65E+03	0.678
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1201	-		0.00E+00		0.63	ND	1.65E+03	0.67
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1245	-		0.00E+00		0.68	ND	1.65E+03	0.624
PCB-195 22'33'44'56-OcCB	NotFnd		0.9489	-		0.00E+00		0.87	ND	1.48E+03	0.869
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9917	-		0.00E+00		0.84	ND	1.48E+03	0.907
PCB-205 233'44'55'6'-OcCB	NotFnd		1.0004	-		0.00E+00		1.20	ND	1.48E+03	0.632
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.01	ND	6.28E+03	2.26
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	6.28E+03	2.28
PCB-206 22'33'44'55'6'-NoCB	NotFnd		1.0004	-		0.00E+00		0.95	ND	6.28E+03	4.39

AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

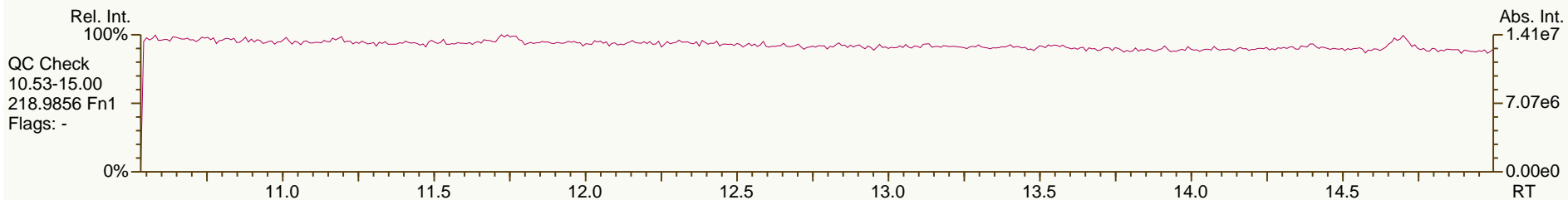
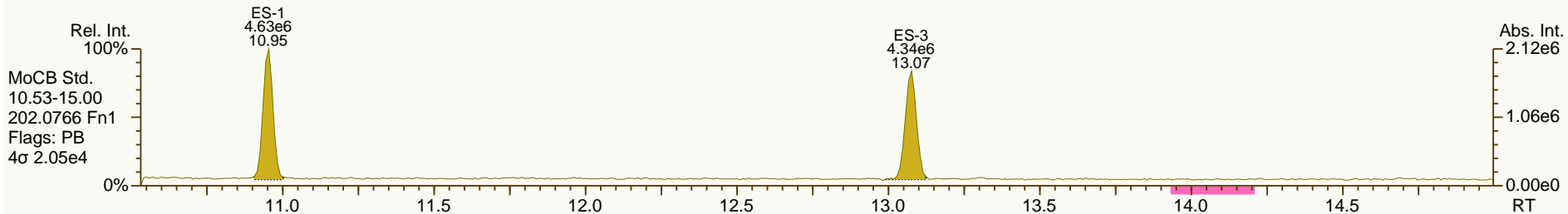
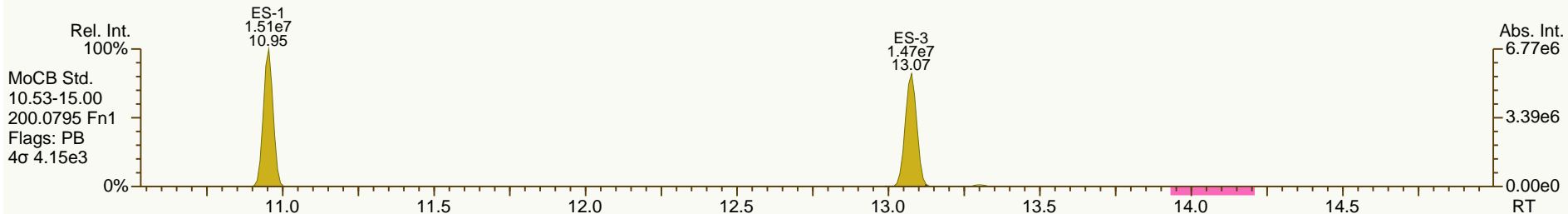
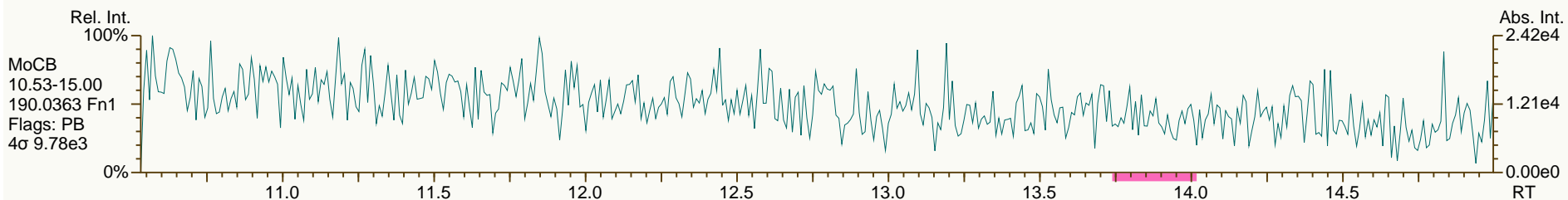
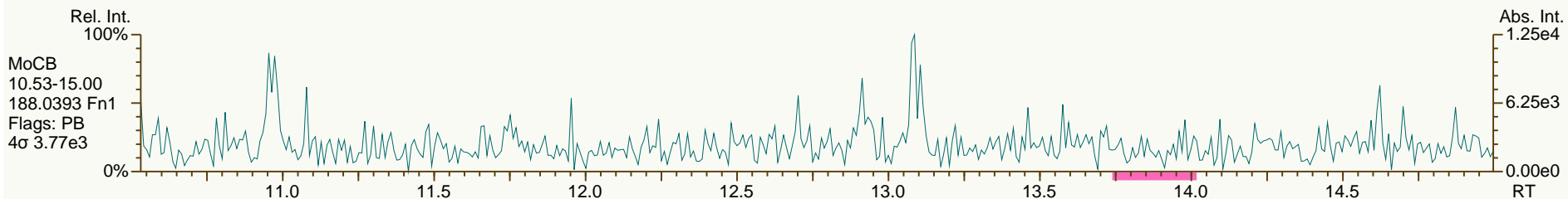
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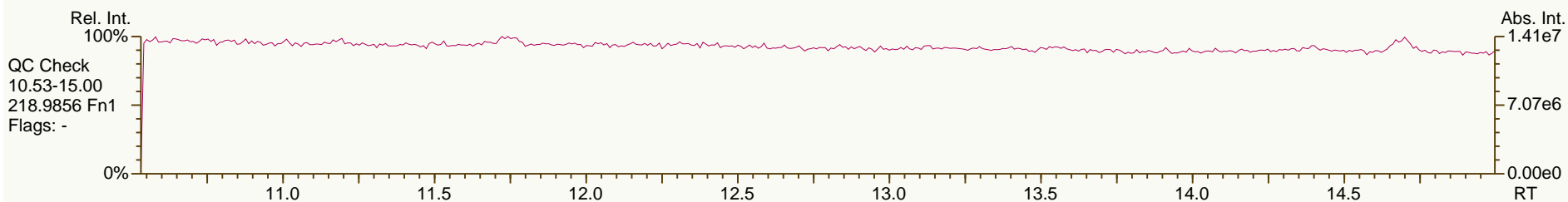
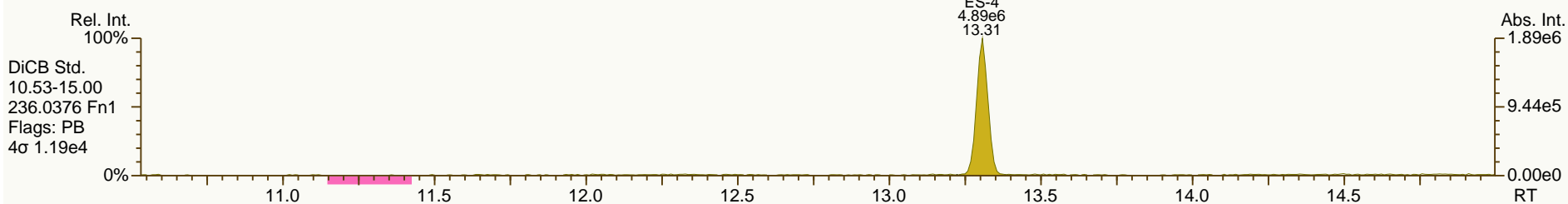
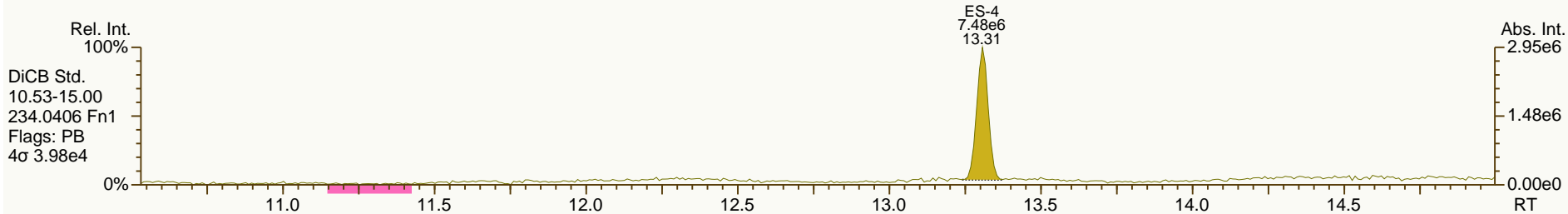
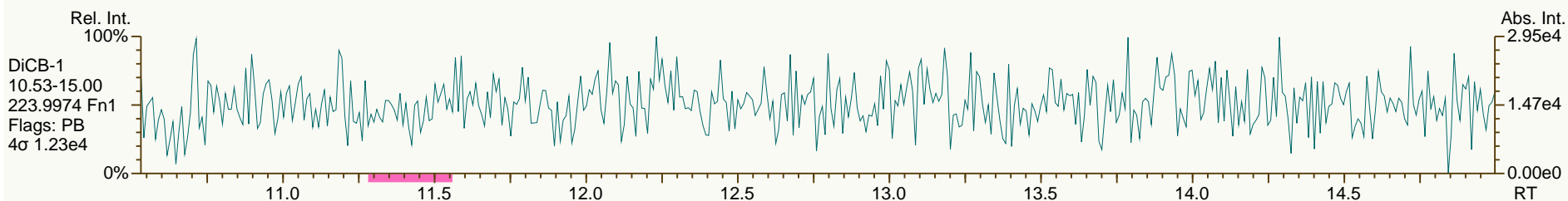
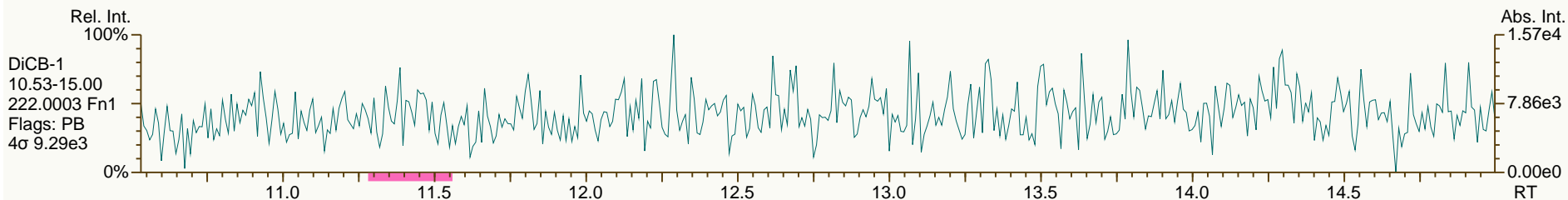
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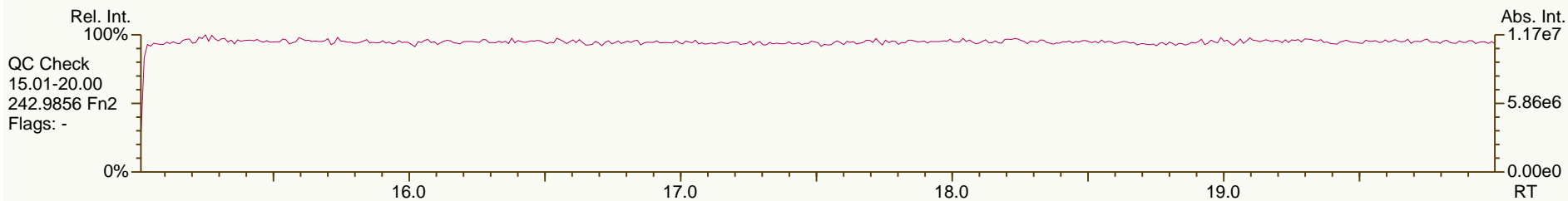
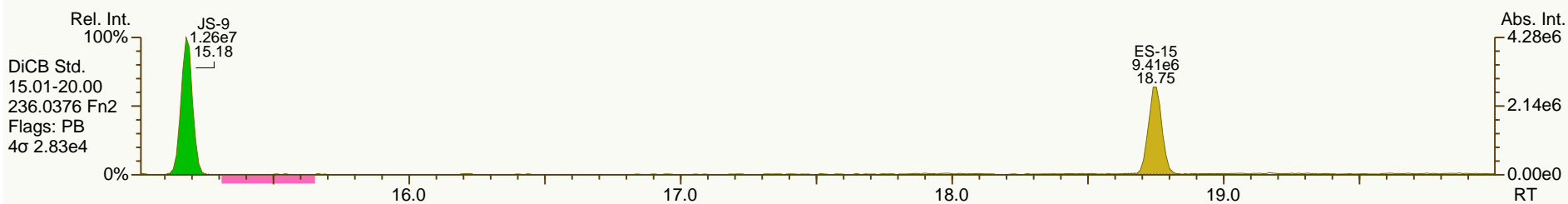
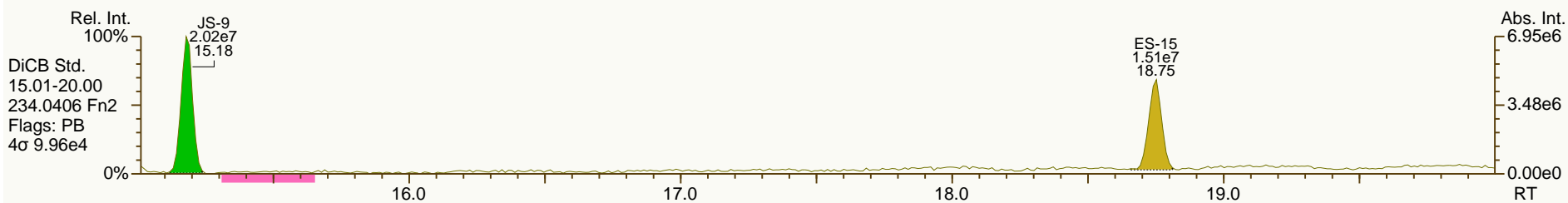
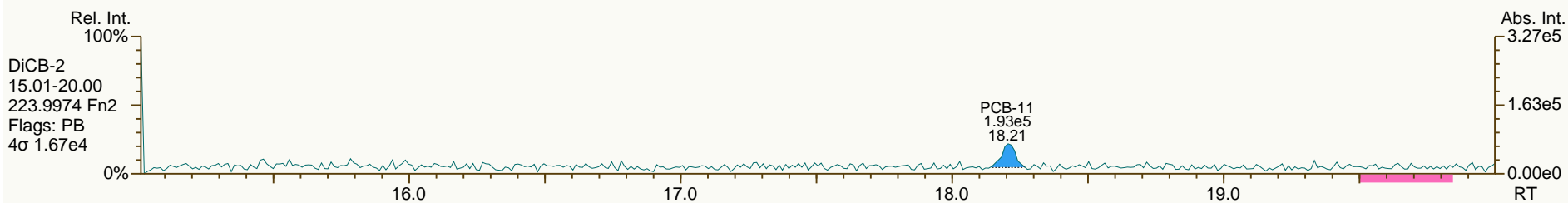
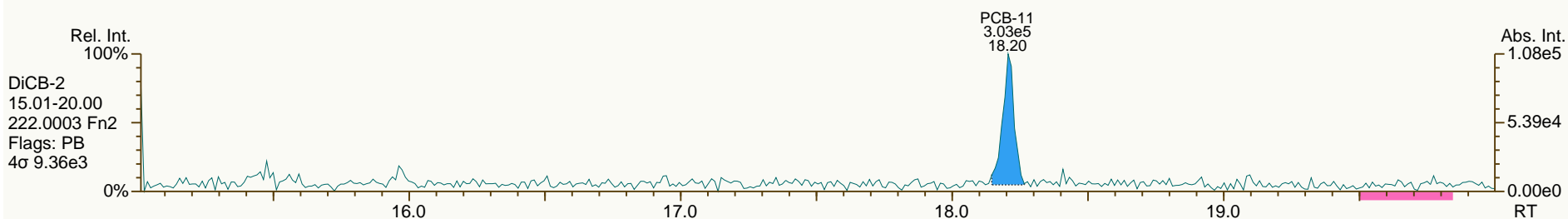
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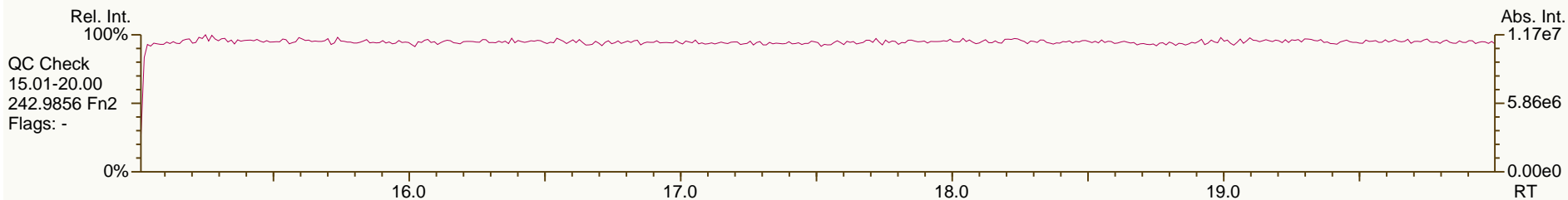
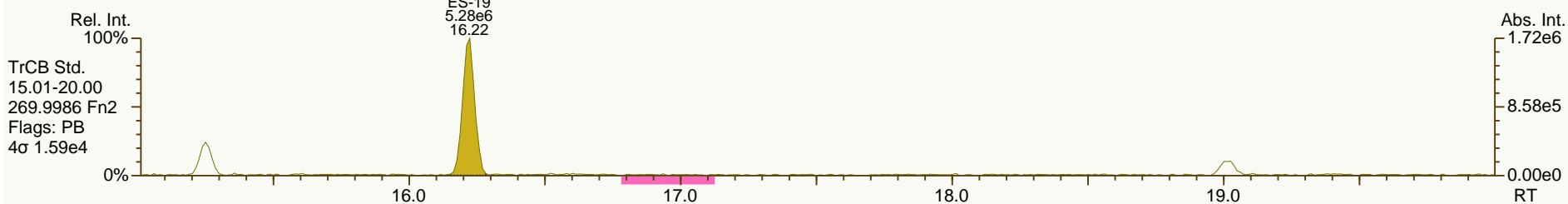
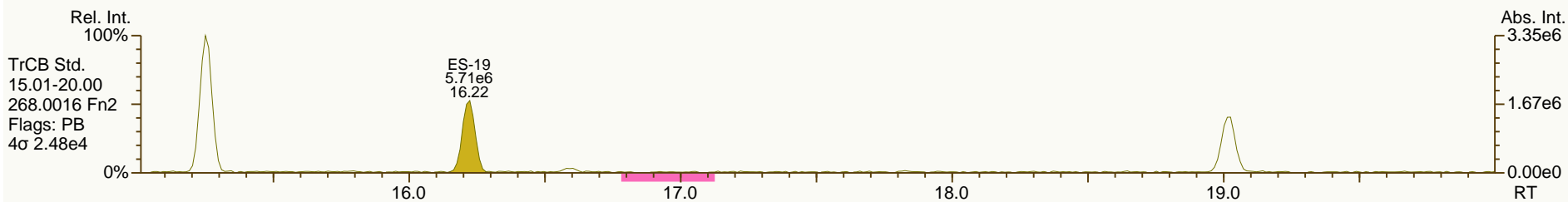
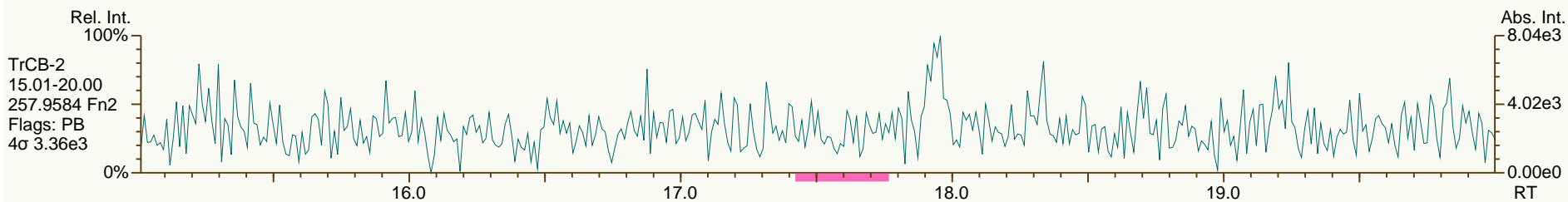
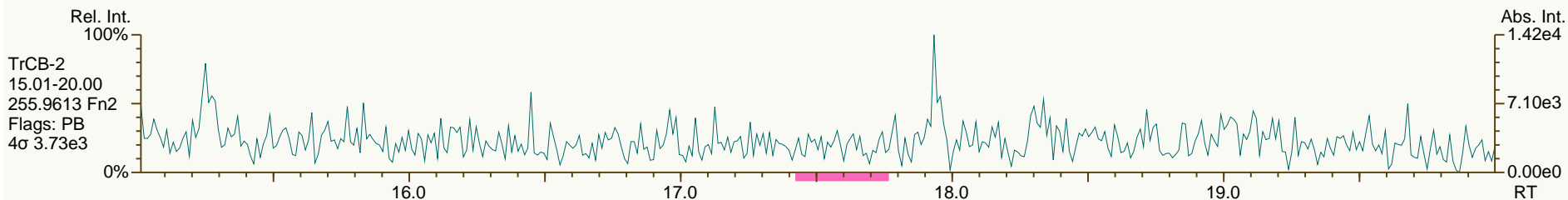
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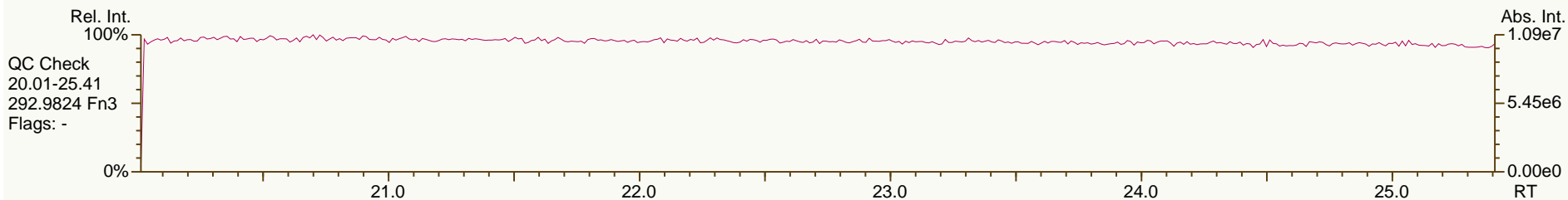
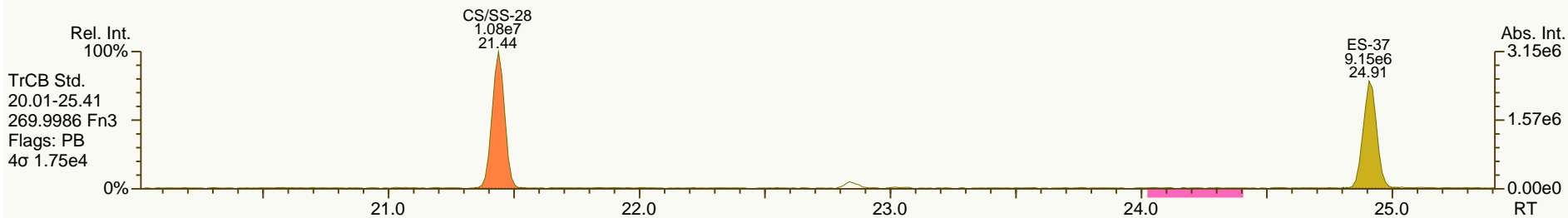
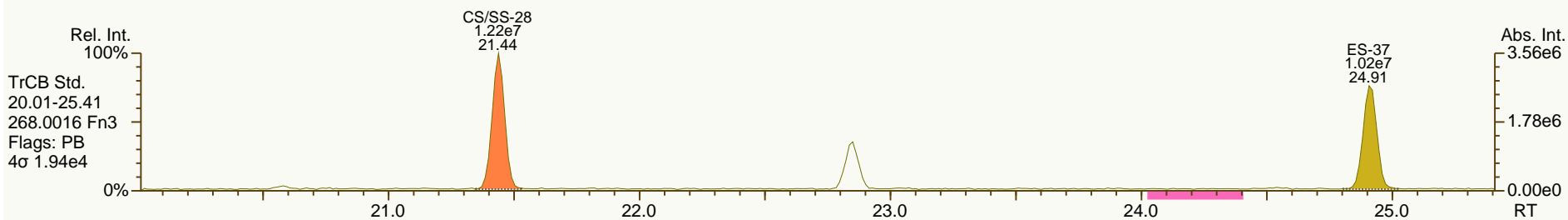
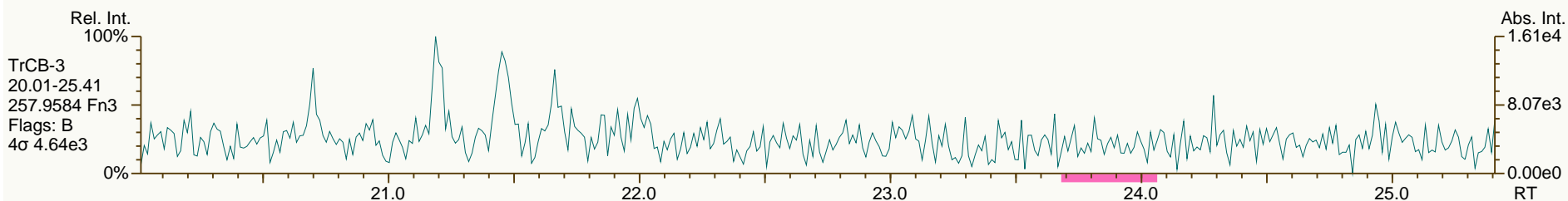
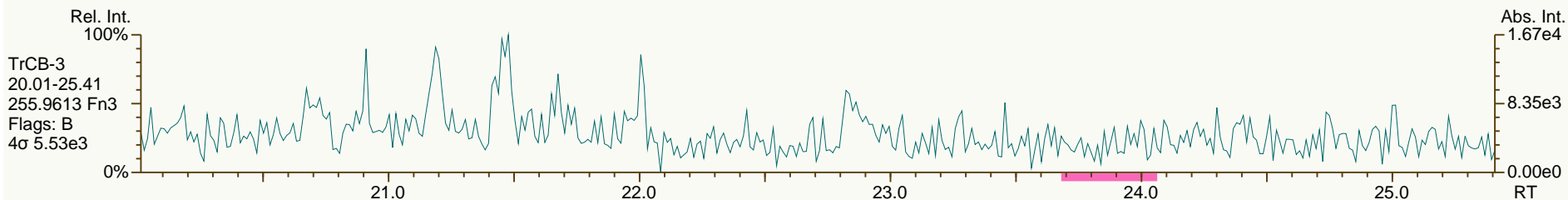
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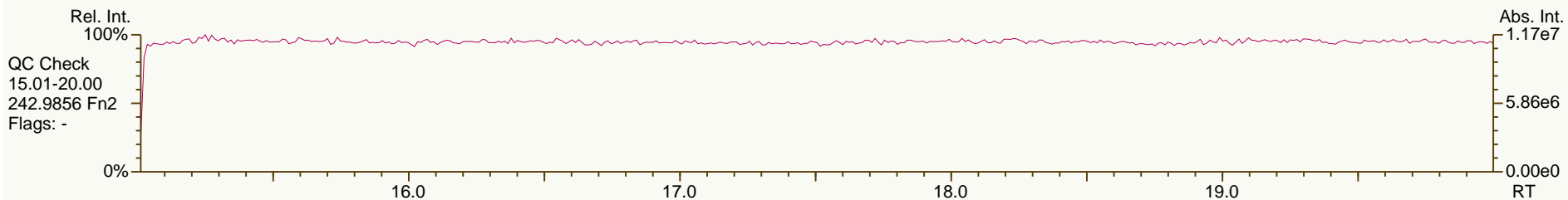
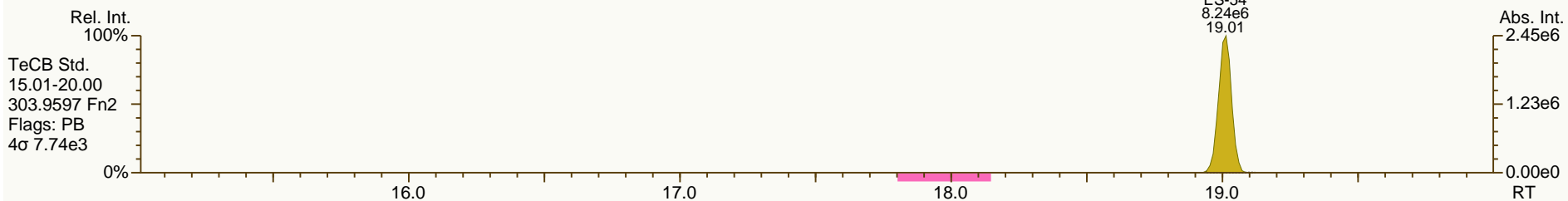
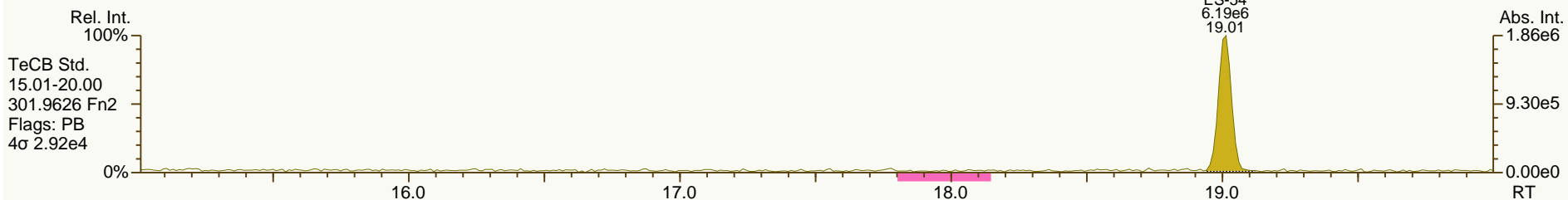
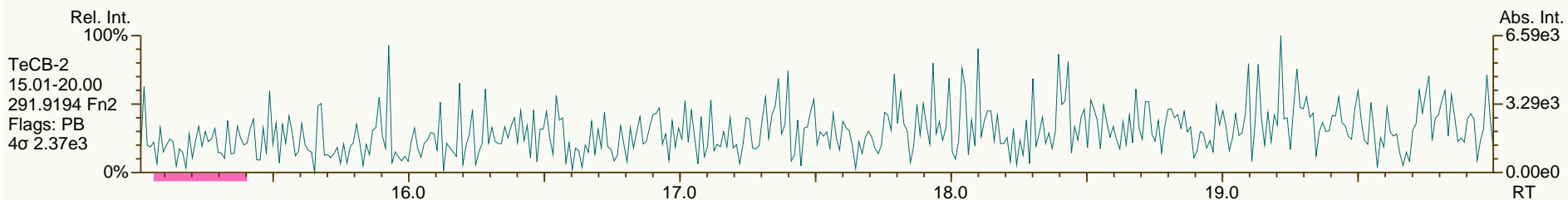
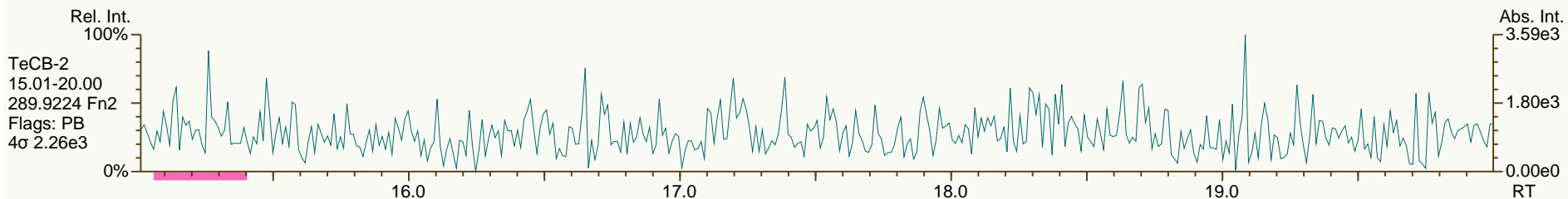
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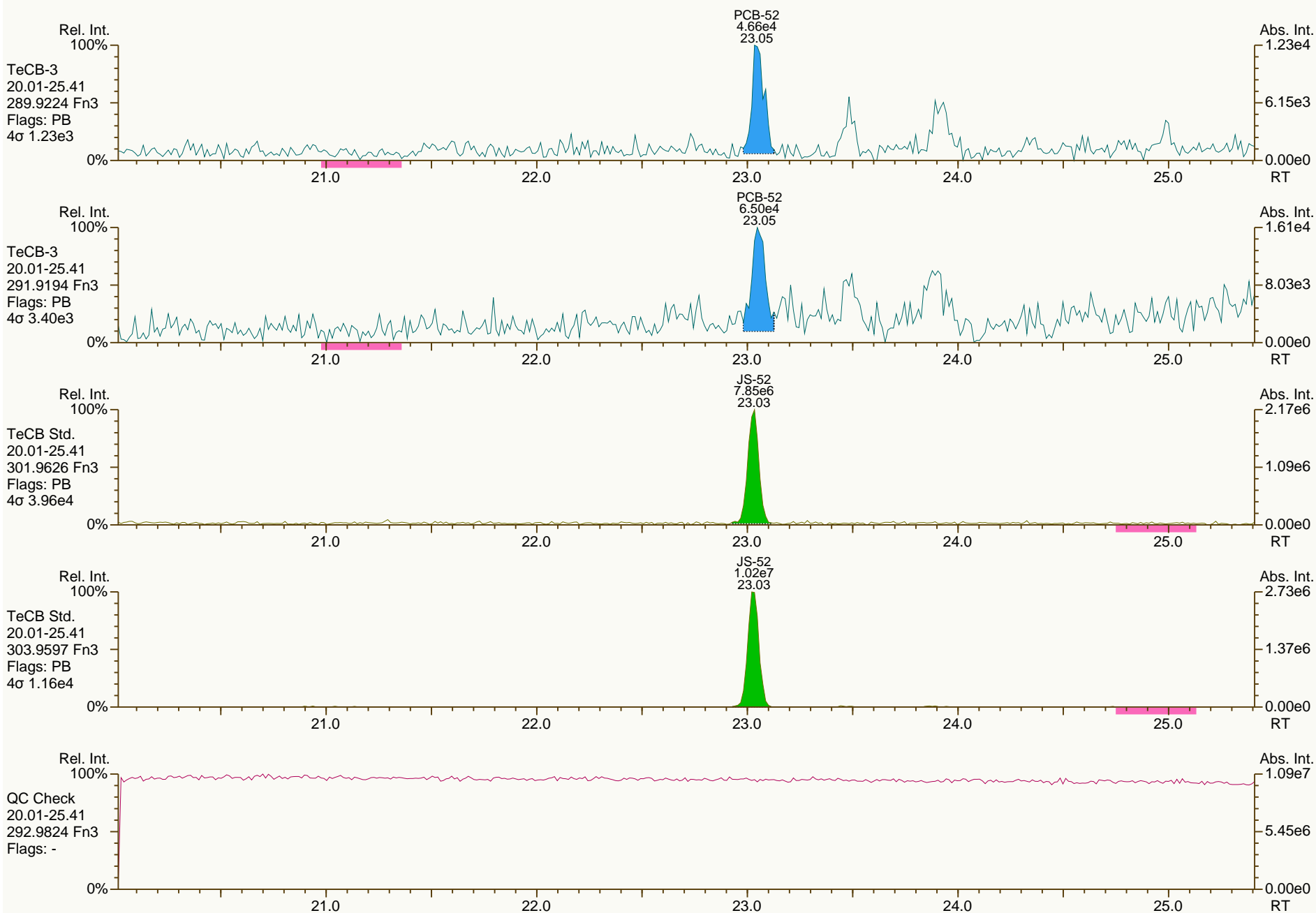
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Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 03-Jul-2012 21:52:23
User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 03-Jul-2012 21:52:23
User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

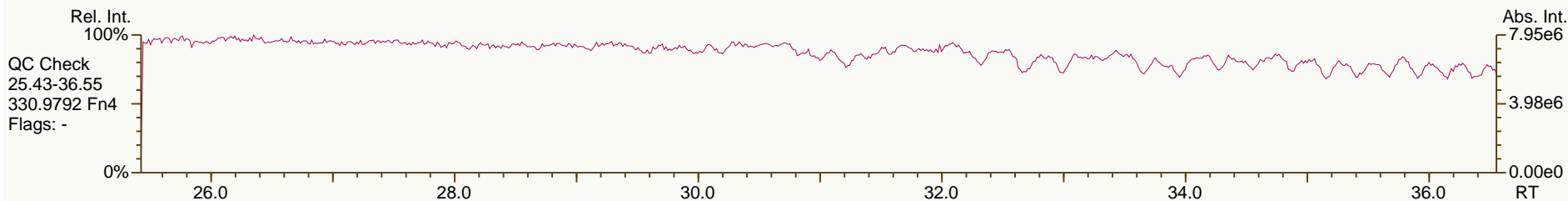
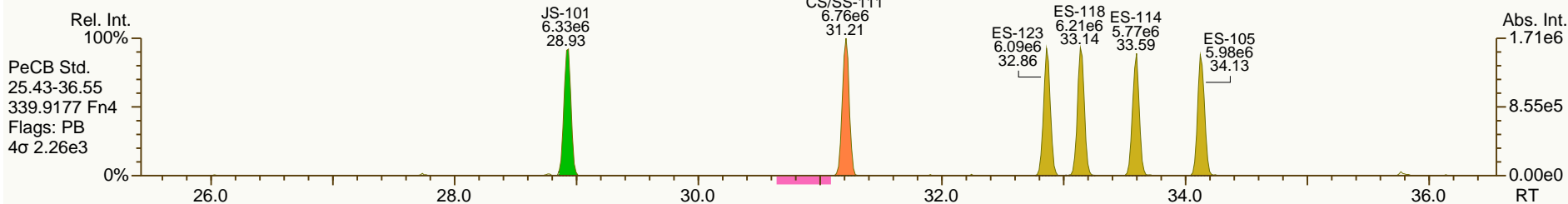
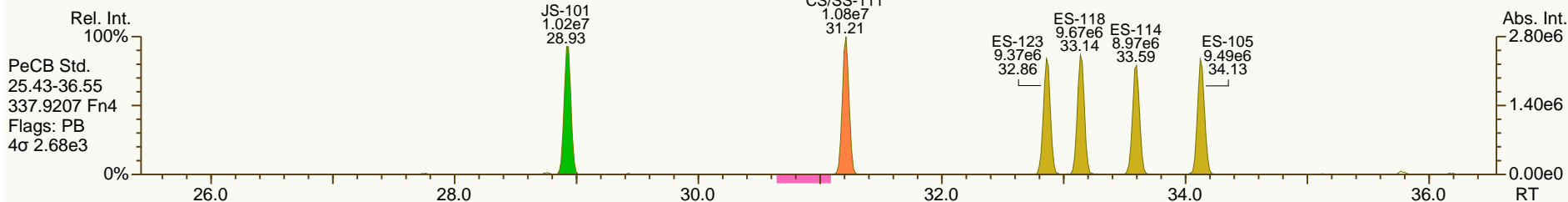
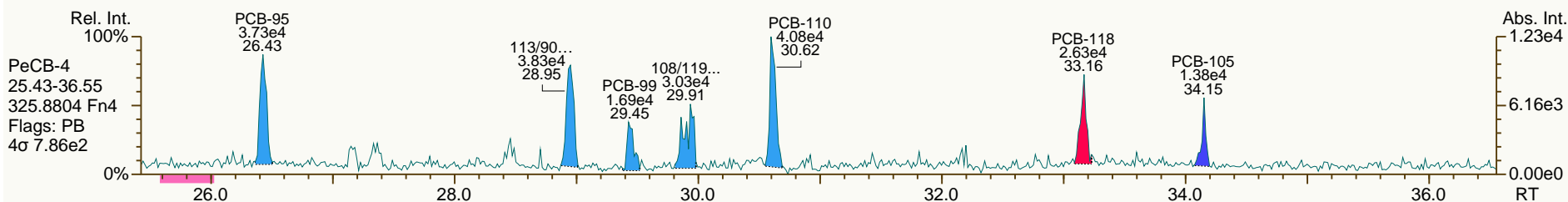
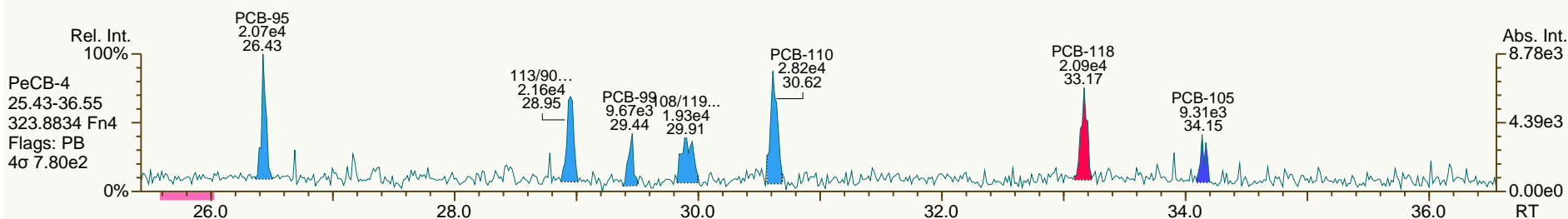
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User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

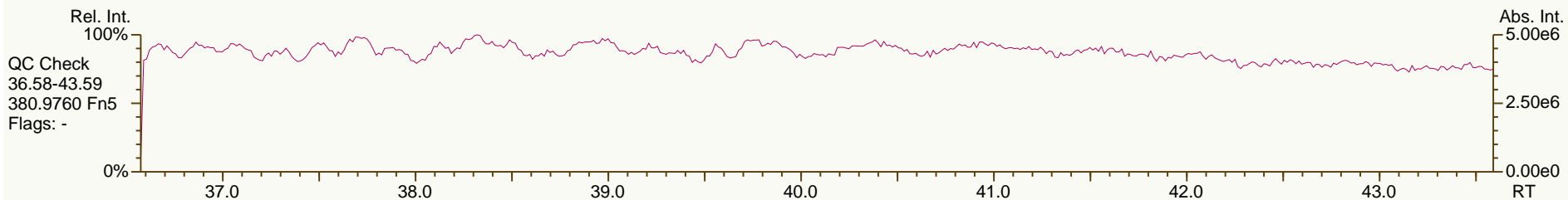
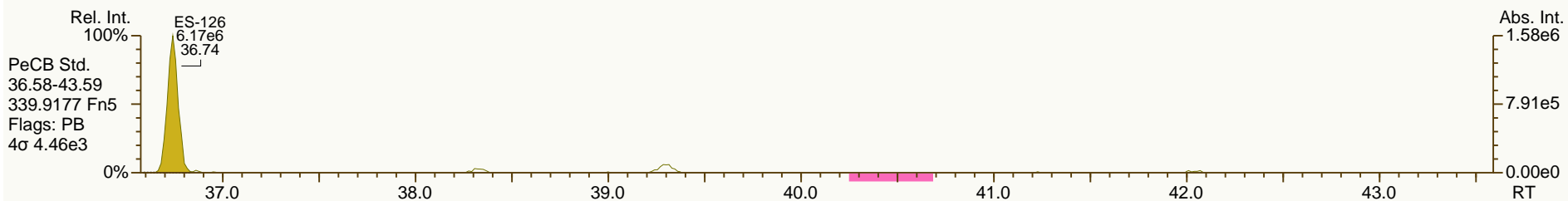
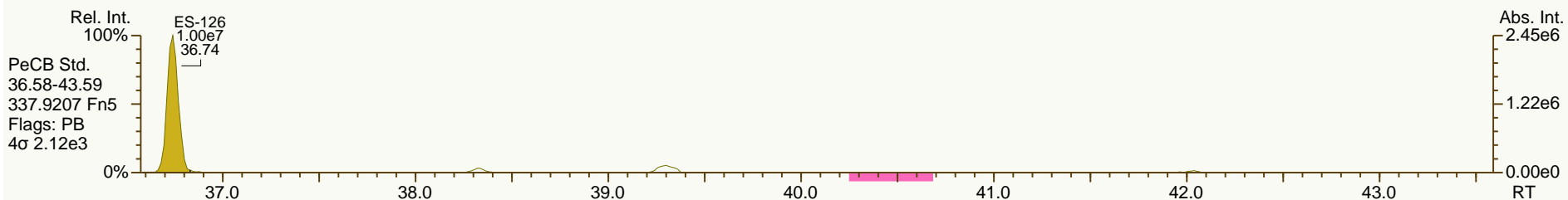
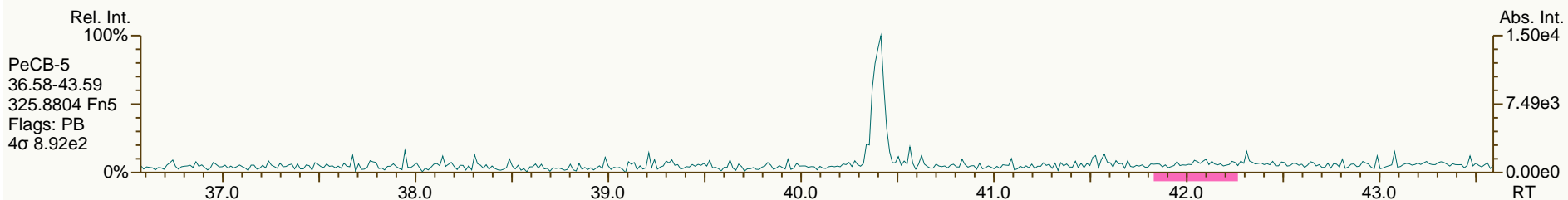
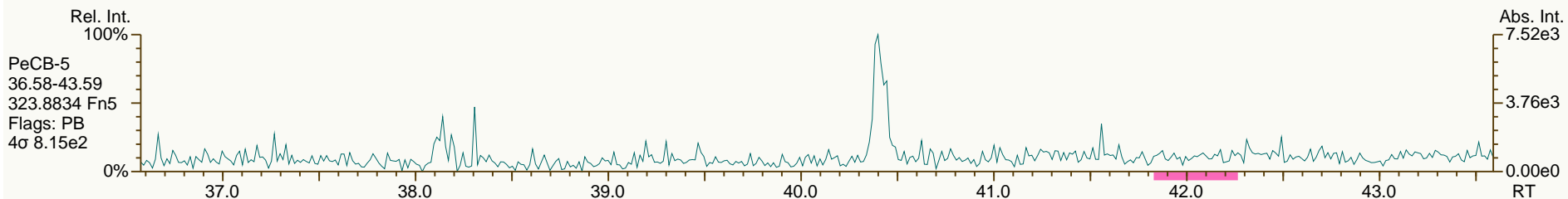
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User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
 Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
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Acq: 03-Jul-2012 21:52:23
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

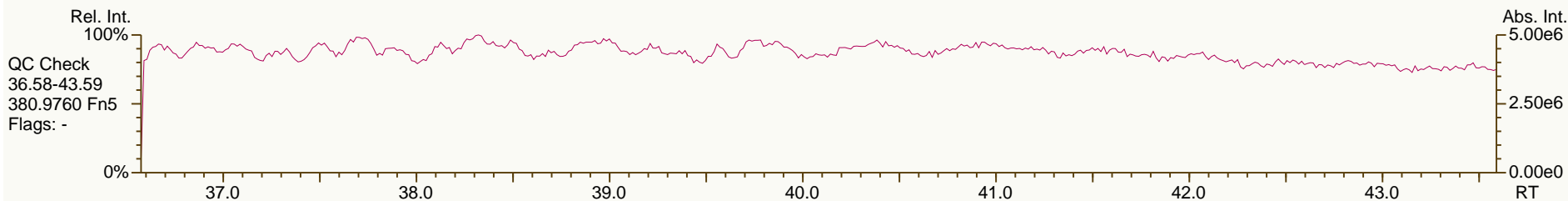
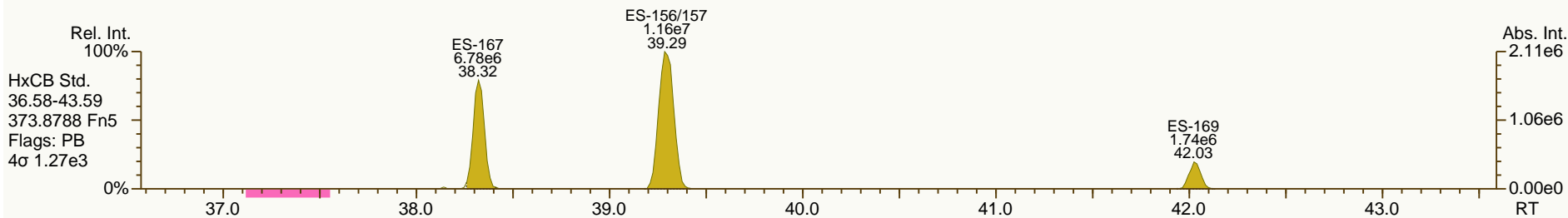
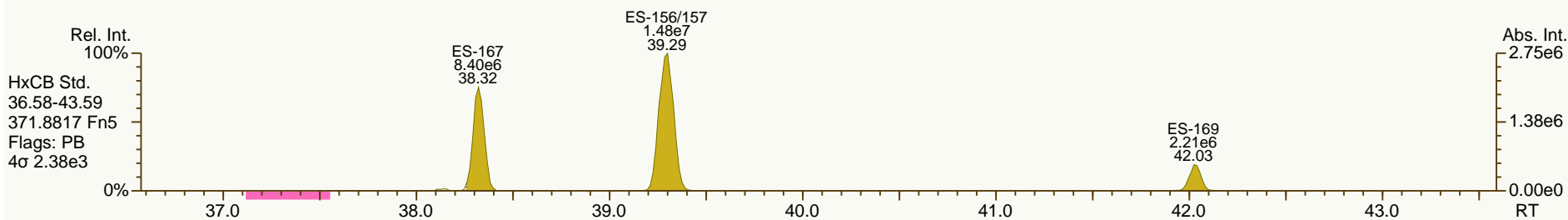
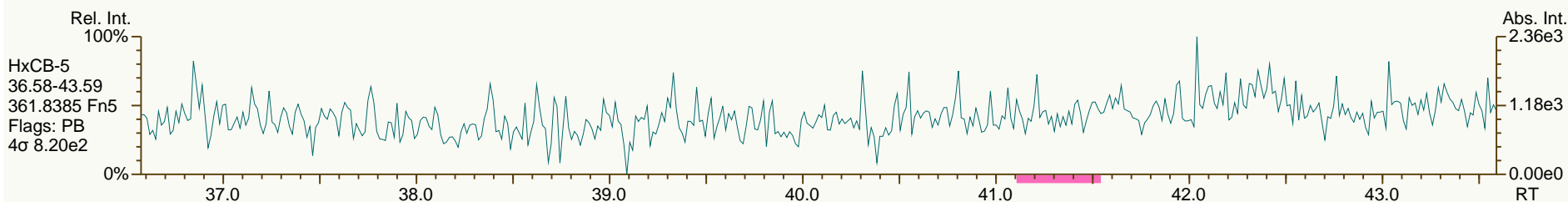
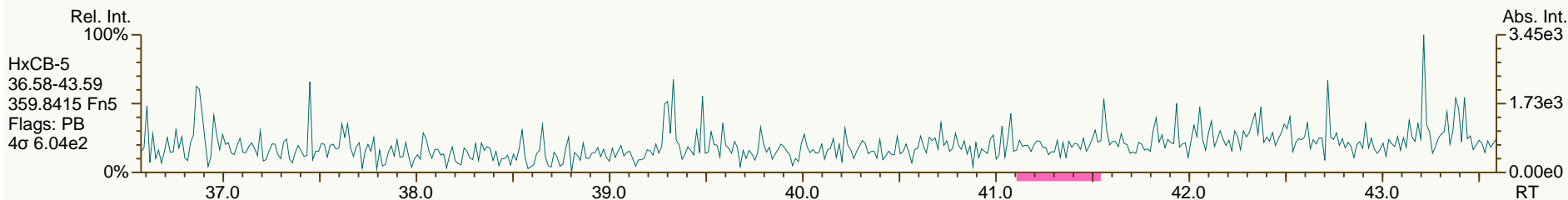
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

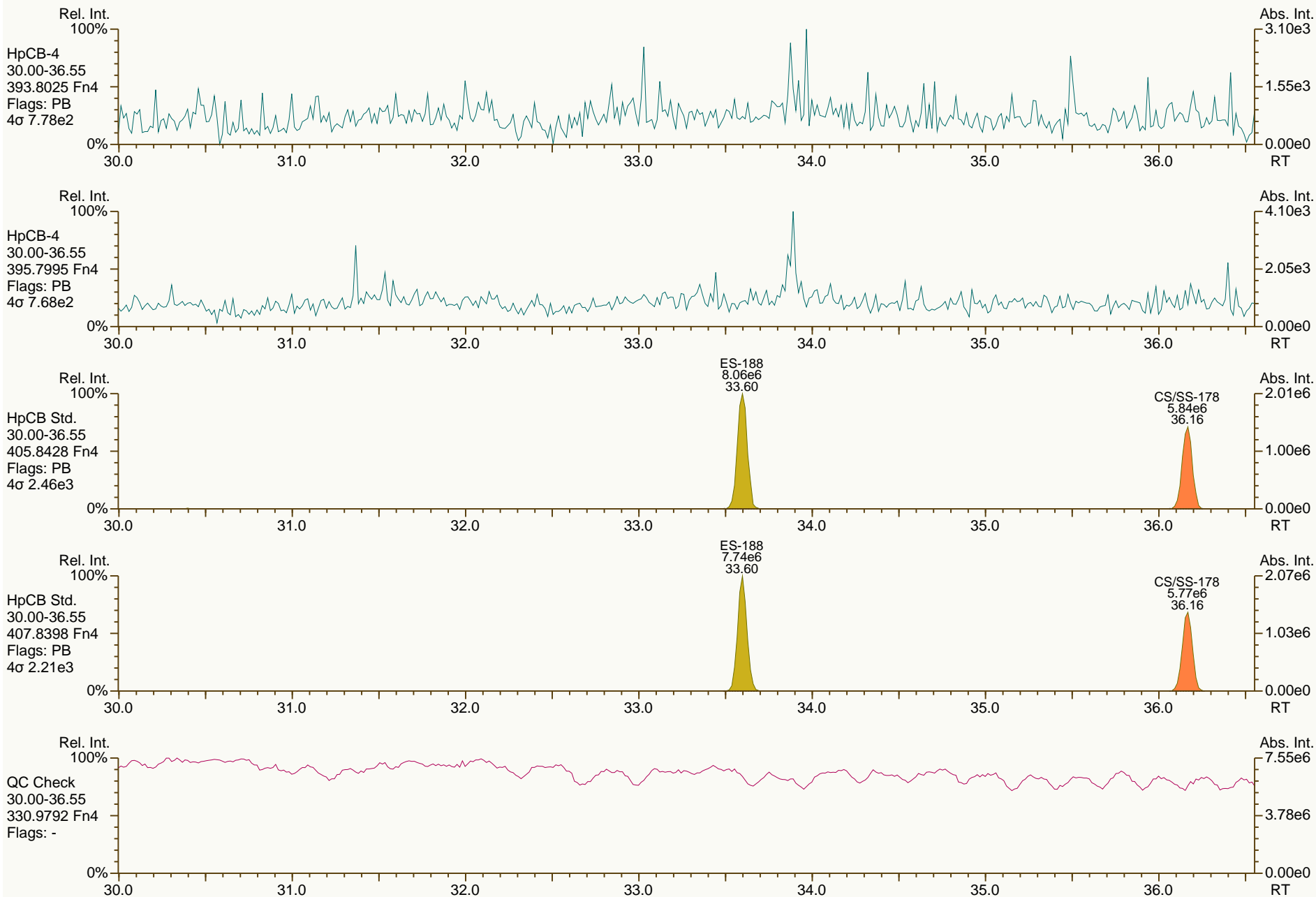
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

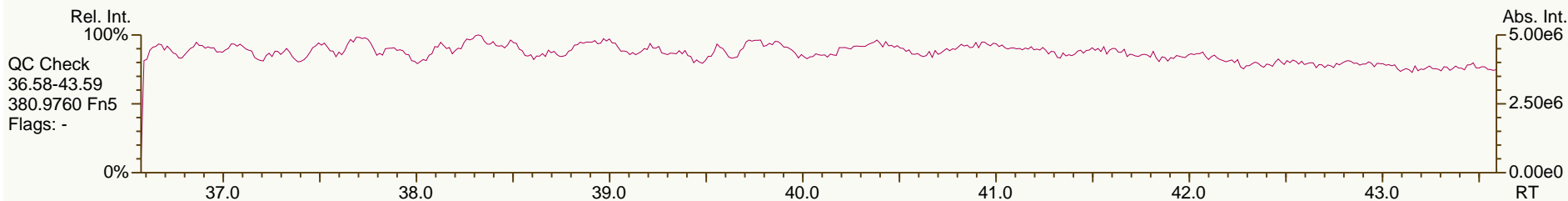
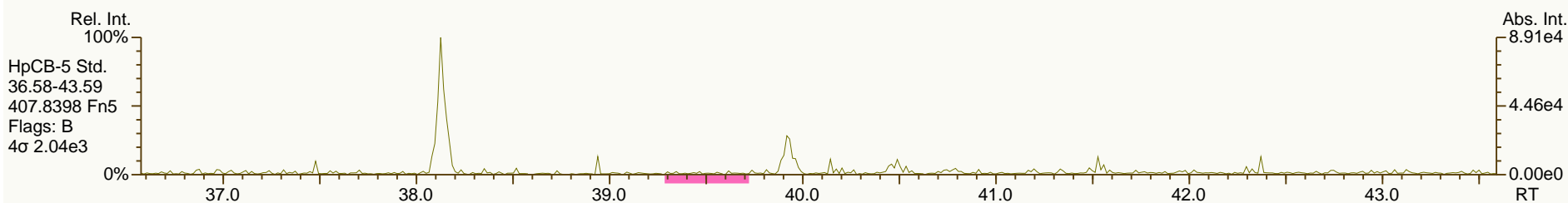
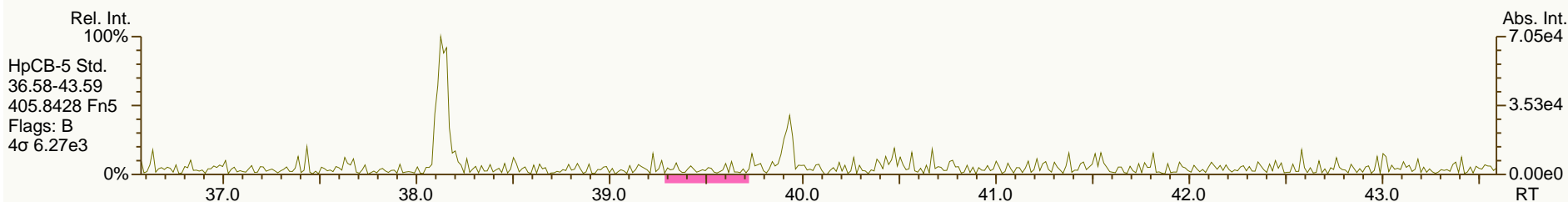
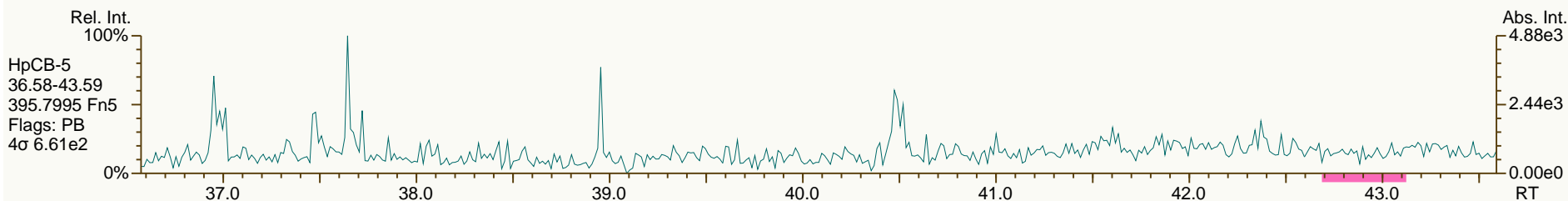
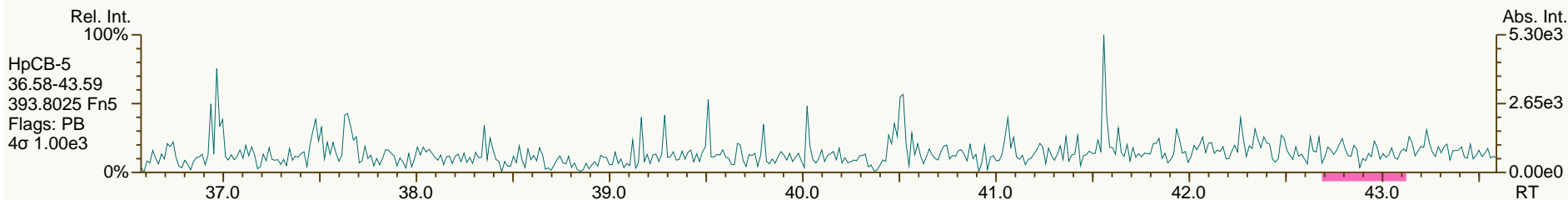
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User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

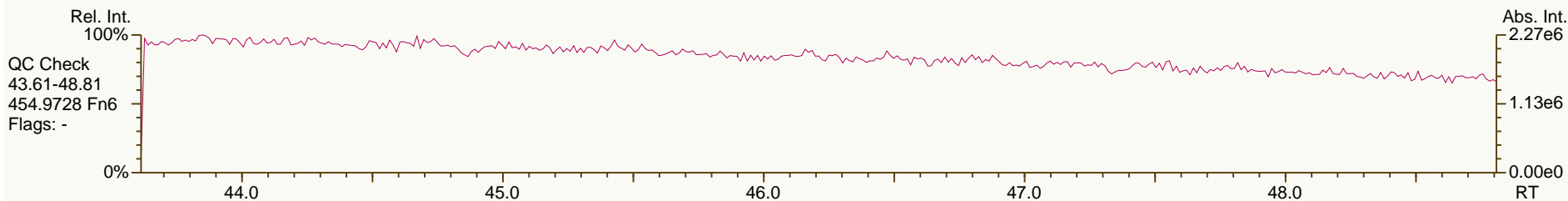
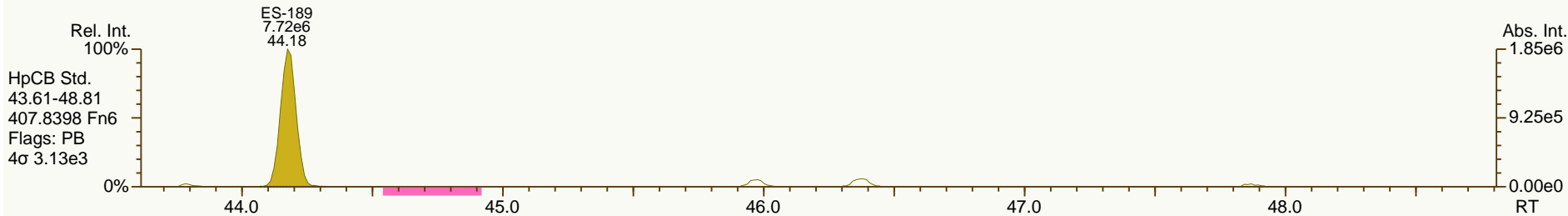
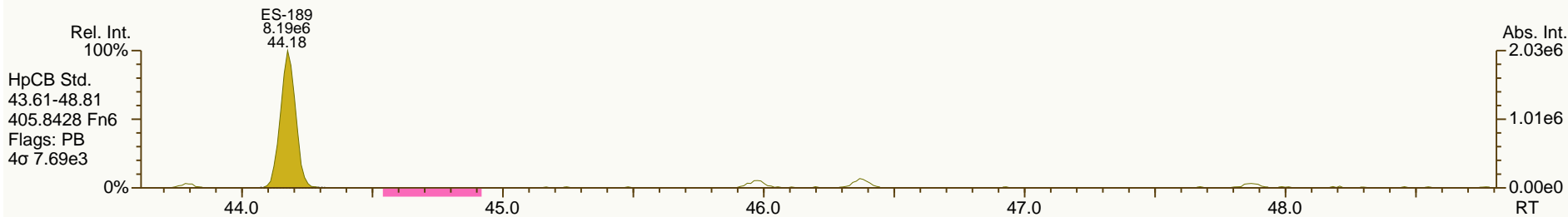
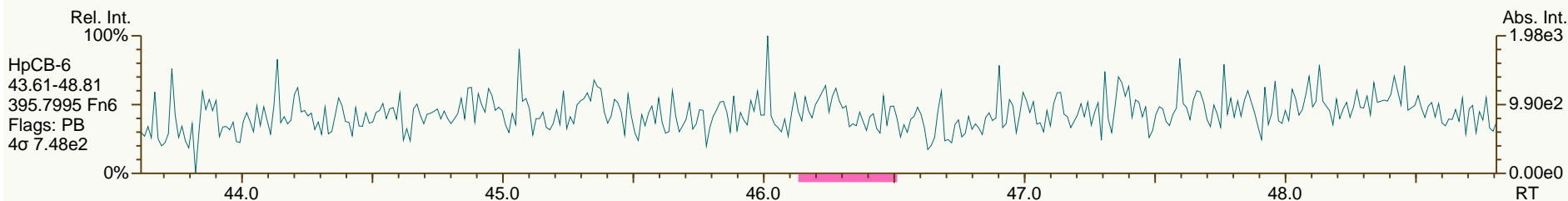
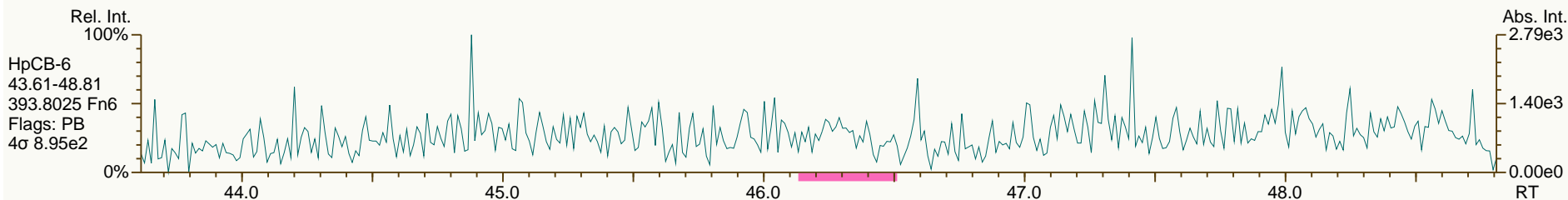
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

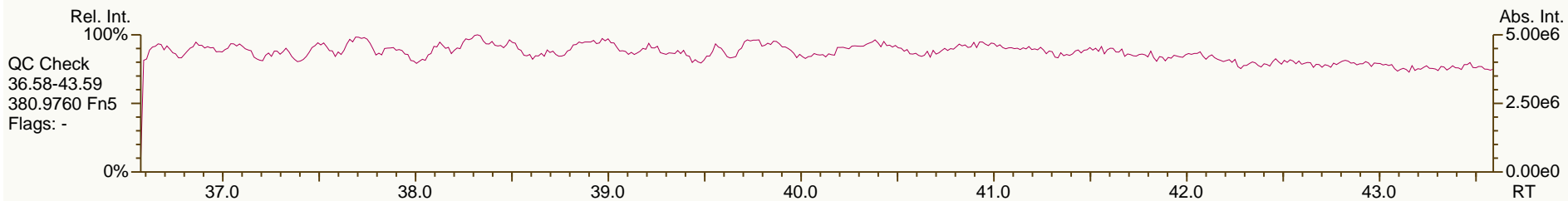
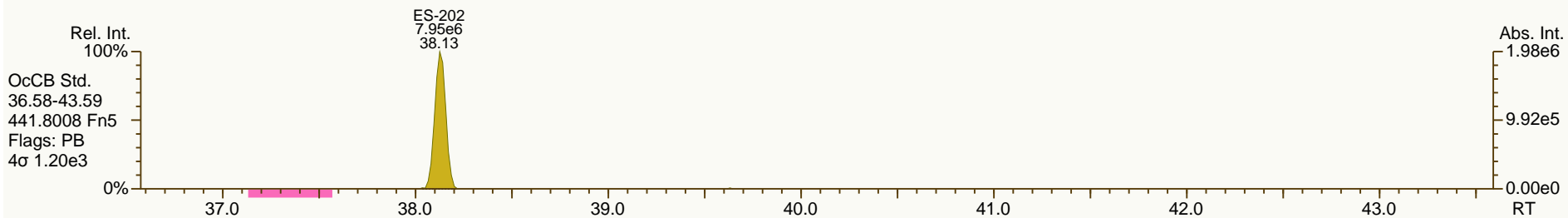
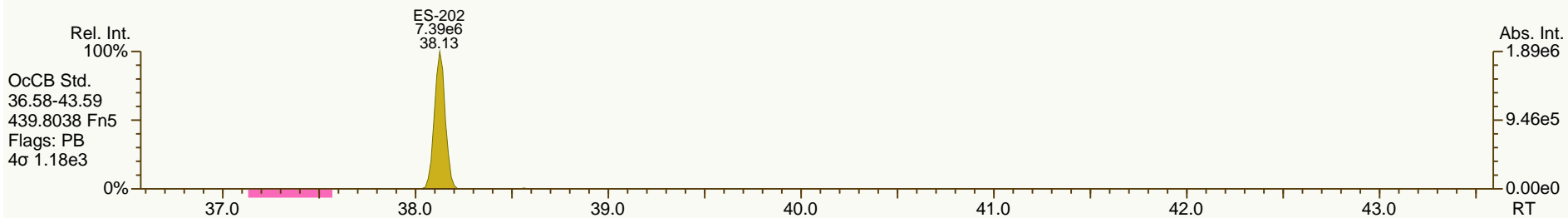
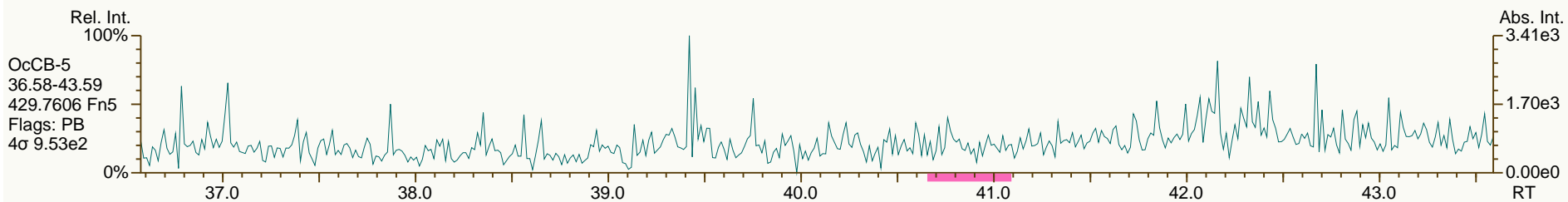
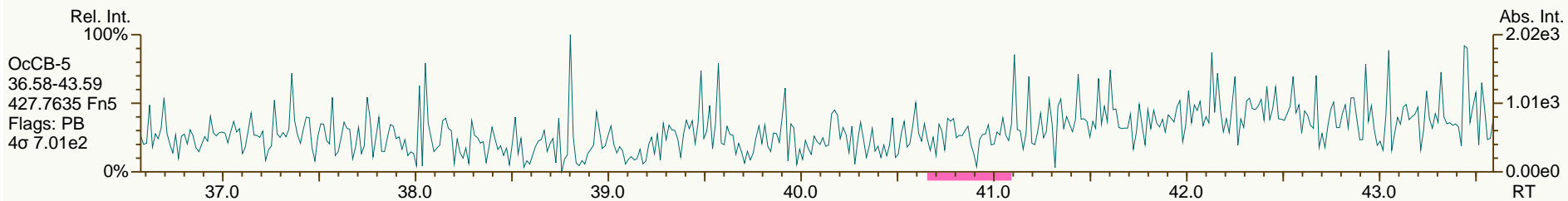
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User: CEM Datafile: 120703V20



AP Lab ID: MB1_9894_PCB_TLX
 Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

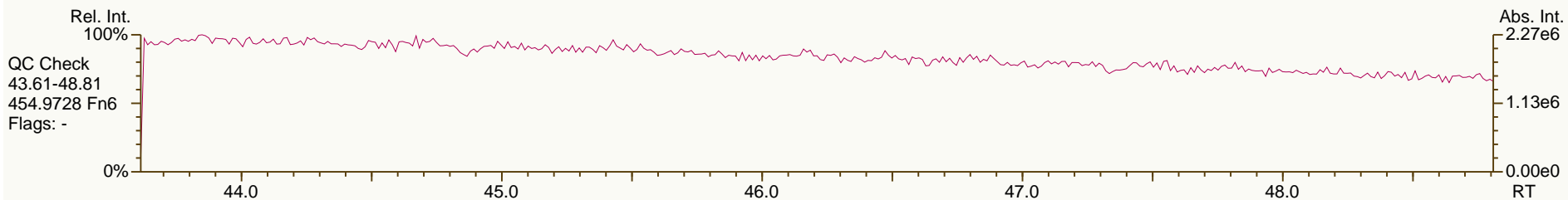
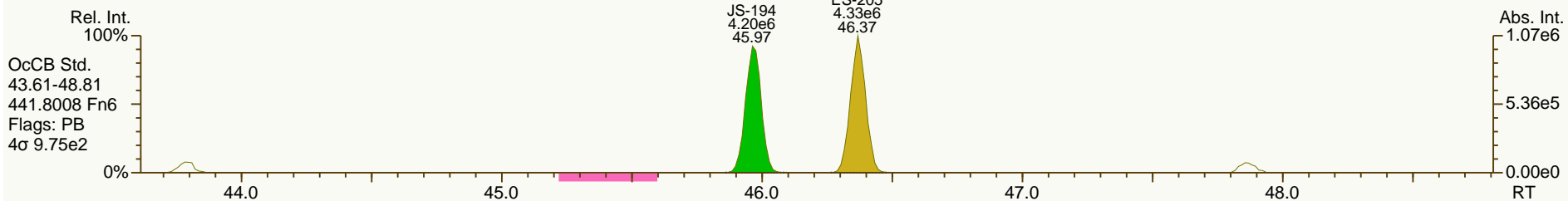
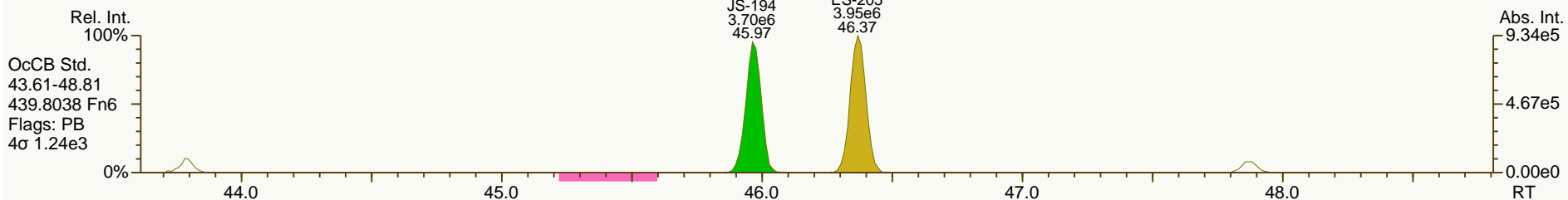
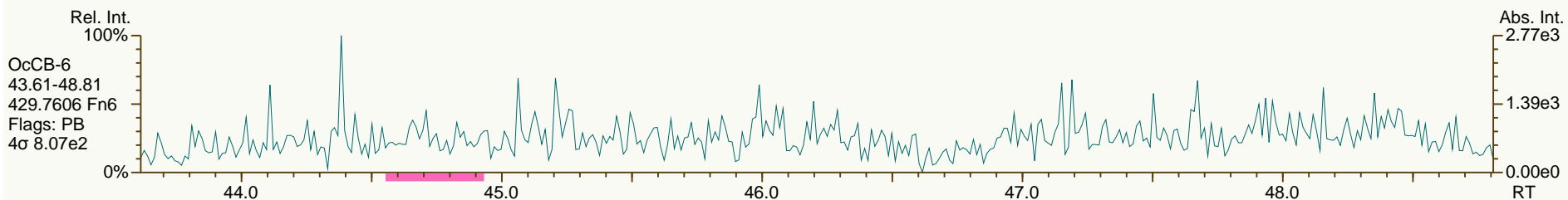
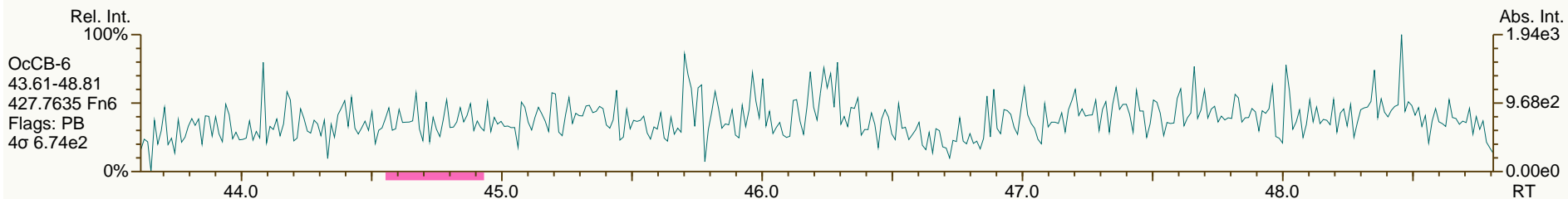
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AP Lab ID: MB1_9894_PCB_TLX
 Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

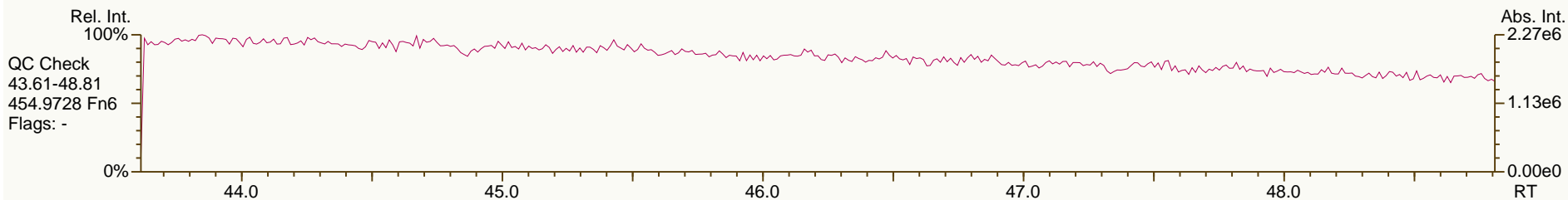
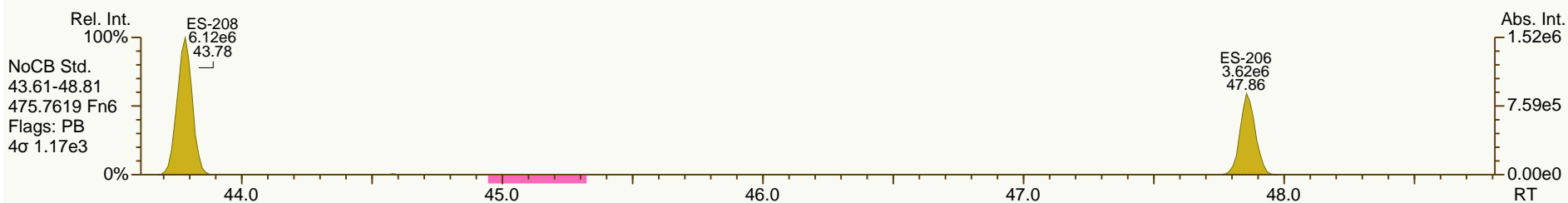
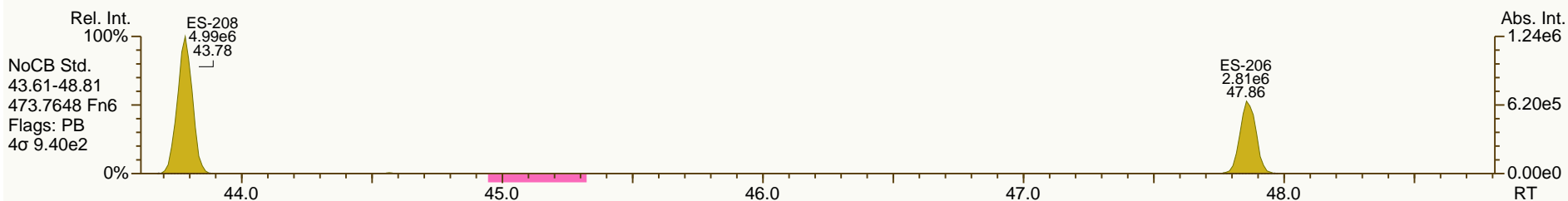
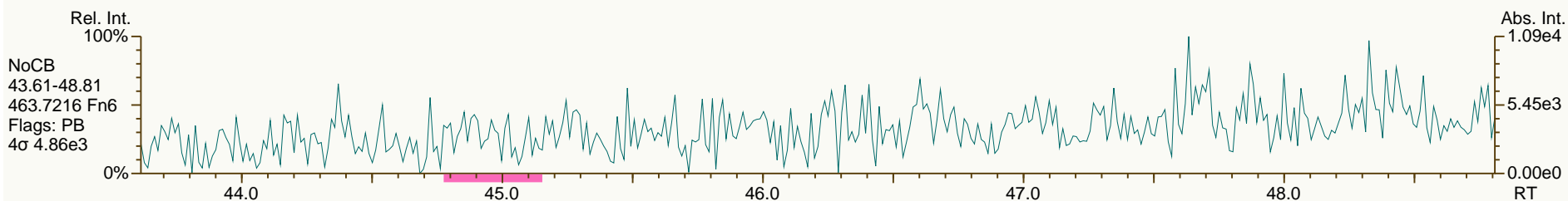
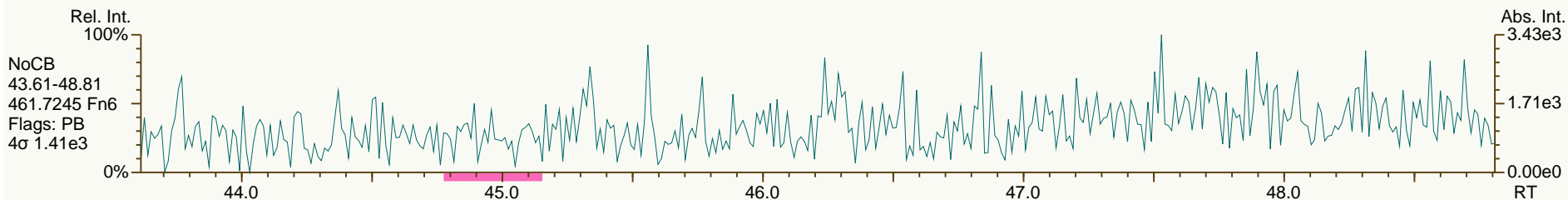
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

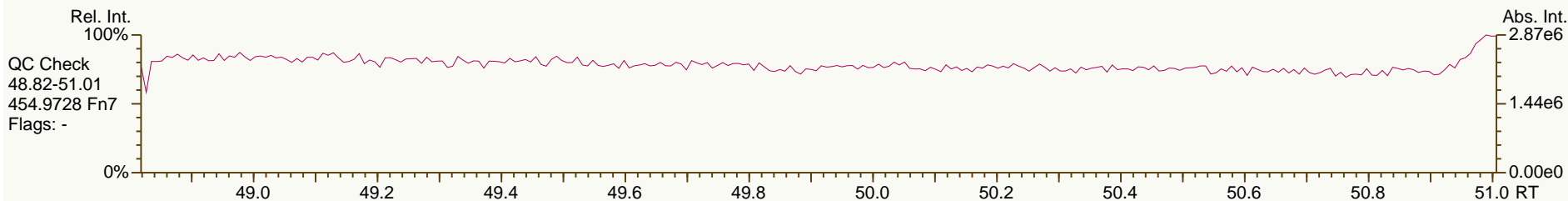
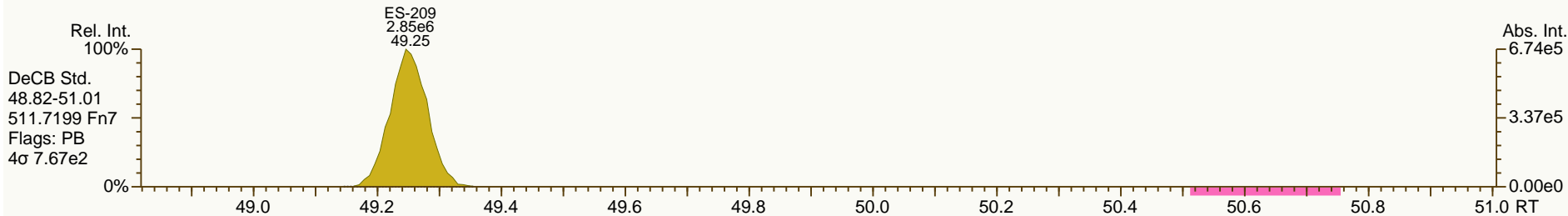
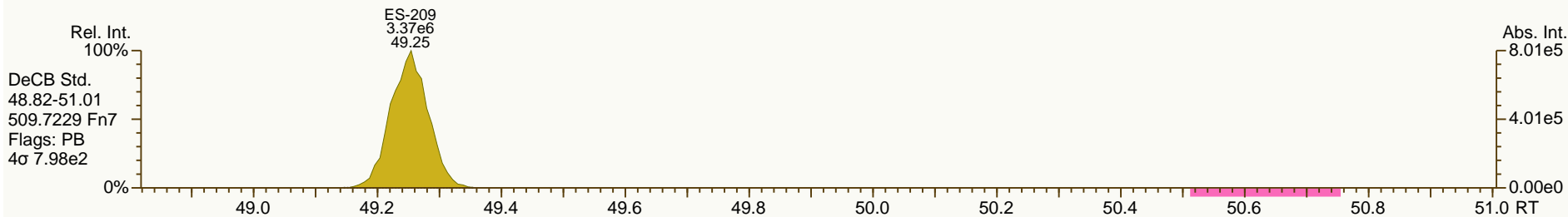
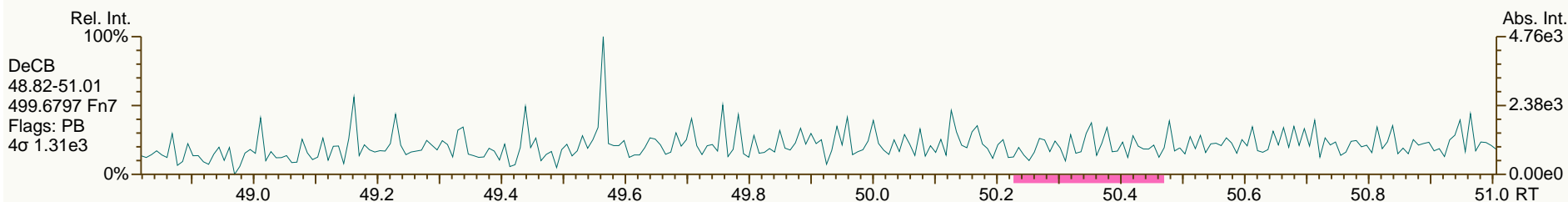
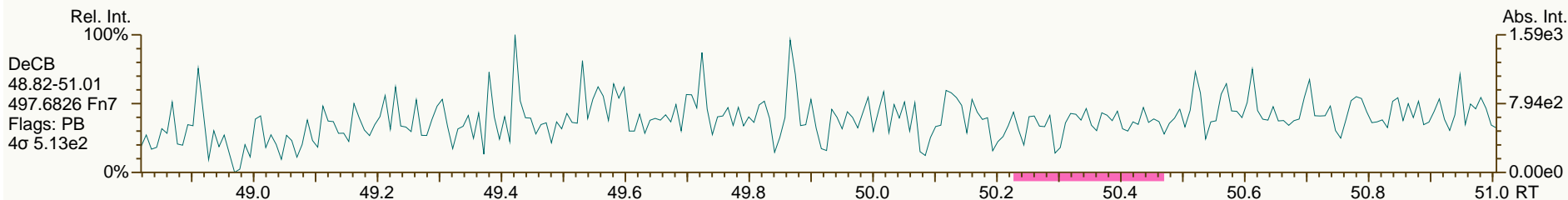
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

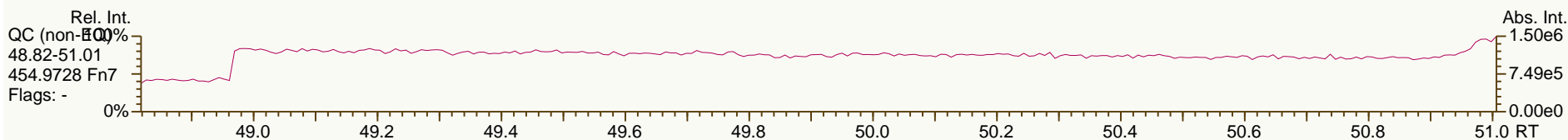
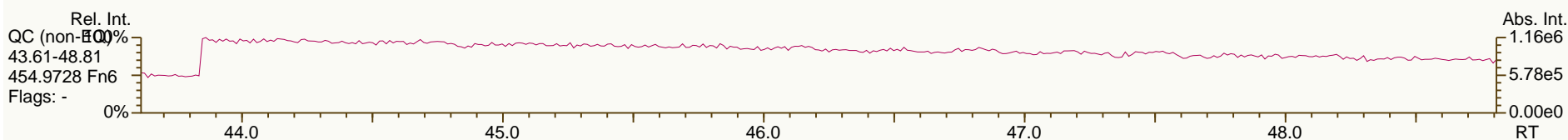
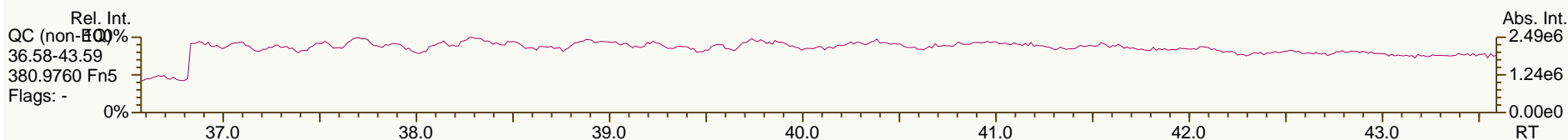
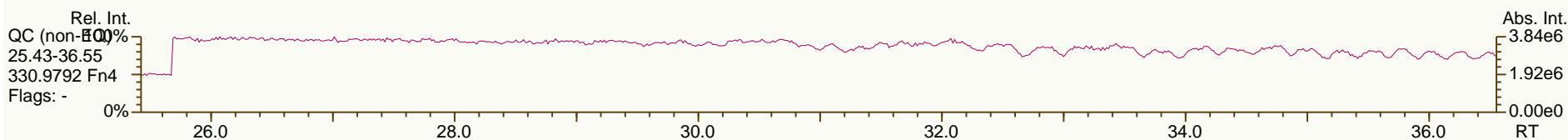
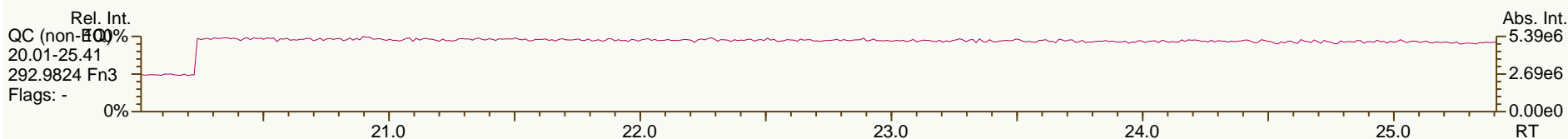
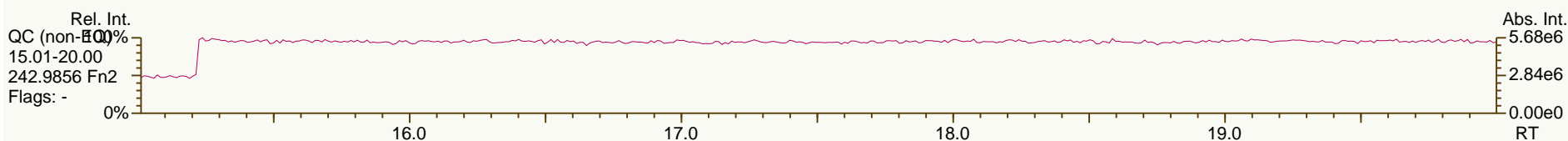
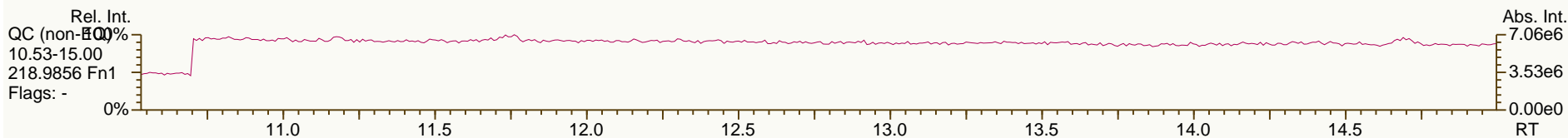
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AP Lab ID: MB1_9894_PCB_TLX
Instr: AutoSpec-Premier MM6

Sample ID: MB #75624
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 03-Jul-2012 21:52:23
User: CEM Datafile: 120703V20



Lab ID: A4373_9894_PCB_001
 Client ID: JW-EA10-SS39-120507
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ACQ: 03-Jul-2012 22:46:40 CEM
 UTP: 04-Jul-2012 11:01 CEM
 RPT: 04-Jul-2012 15:53 CM

Wt/Vol: 6.44 g
 J-level: 1.55 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 202-931-PHY
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0007	0	5.26E+06	0.78	1.11	71.8	3.98E+04	5.99
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	3.98E+04	4.95
PCB-105 233'44'-PeCB	34.17		1.0007	1.0007	0	1.62E+08	0.63	1.05	4,180	6.29E+03	1.74
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	1.06E+07	0.62	1.15	207	6.29E+03	1.22
PCB-118 23'44'5'-PeCB	33.18	E	1.0008	1.0007	-0.2	5.22E+08	0.63	1.04	10,200	6.29E+03	1.21
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0006	0	7.99E+06	0.63	1.01	169	6.29E+03	1.3
PCB-126 33'44'5'-PeCB	36.76		1.0005	1.0002	-0.7	4.90E+05	0.70	1.06	8.96	4.56E+03	0.791
PCB-156/157 ...-HxCB	39.32	C	1.0005	1.0002	-0.7	8.91E+07	1.26	1.16	1,820	4.77E+03	1.36
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	2.68E+07	1.27	1.24	468	4.77E+03	0.845
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.77E+03	1.58
PCB-189 233'44'55'-HpCB	44.22		1.0004	1.0004	0	2.92E+06	1.04	1.05	54.2	2.22E+03	0.436
PCB-209 DeCB	49.30		1.0004	1.0004	0	6.33E+05	1.21	1.09	29.9	1.46E+03	0.741
ES PCB-1	10.95		0.7216	0.7215	-0.1	1.63E+07	3.35	1.02	54.5 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	1.68E+07	3.41	1.02	56 %	11%	106%
ES PCB-4	13.31		0.8767	0.8765	-0.2	1.19E+07	1.71	0.68	59.6 %	14%	107%
ES PCB-15	18.75		1.2346	1.2350	+0.5	2.72E+07	1.68	1.06	87.3 %	19%	107%
ES PCB-19	16.22		1.0683	1.0684	+0.1	1.15E+07	1.08	0.49	79.5 %	1%	108%
ES PCB-37	24.93		1.0817	1.0823	+0.9	2.25E+07	1.13	1.51	90 %	25%	123%
ES PCB-54	19.01		0.8258	0.8255	-0.3	1.44E+07	0.78	1.37	63.6 %	13%	105%
ES PCB-77	31.18		1.3528	1.3537	+1.7	2.05E+07	0.85	1.17	106 %	31%	109%
ES PCB-81	30.71		1.3325	1.3336	+2.0	2.30E+07	0.86	1.13	123 %	14%	127%
ES PCB-104	23.87		0.8252	0.8244	-1.1	1.60E+07	1.59	1.90	57.3 %	36%	115%
ES PCB-105	34.14		1.1796	1.1792	-0.8	1.14E+07	1.52	1.15	67.6 %	50%	111%
ES PCB-114	33.61		1.1611	1.1608	-0.6	1.38E+07	1.59	1.22	77.2 %	41%	121%
ES PCB-118	33.16		1.1454	1.1452	-0.4	1.52E+07	1.53	1.24	83.4 %	49%	111%
ES PCB-123	32.88		1.1358	1.1355	-0.6	1.46E+07	1.56	1.29	77 %	49%	116%
ES PCB-126	36.76		1.2698	1.2695	-0.7	1.61E+07	1.62	1.40	78.5 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8043	+0.5	1.84E+07	1.27	1.45	102 %	25%	124%
ES PCB-156/157	39.31		1.0982	1.0984	+0.5	2.63E+07	1.23	0.94	112 %	40%	120%
ES PCB-167	38.34	V	1.0711	1.0712	+0.2	1.43E+07	1.22	0.93	124 %	45%	118%
ES PCB-169	42.05		1.1746	1.1749	+0.8	8.04E+06	1.25	0.88	73.7 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7308	-0.8	1.47E+07	1.09	1.52	77.6 %	23%	125%
ES PCB-189	44.20		0.9611	0.9610	-0.3	1.59E+07	1.07	2.05	102 %	47%	116%
ES PCB-202	38.14		0.8297	0.8292	-1.1	1.43E+07	0.89	1.21	95.2 %	31%	134%
ES PCB-205	46.40		1.0088	1.0088	0	8.20E+06	0.91	1.28	83.5 %	46%	115%
ES PCB-206	47.89		1.0412	1.0412	0	6.70E+06	0.79	1.12	78.1 %	38%	122%
ES PCB-208	43.80		0.9525	0.9523	-0.5	1.08E+07	0.80	1.46	96.5 %	31%	126%
ES PCB-209	49.28		1.0713	1.0714	+0.3	6.05E+06	1.18	1.16	68.1 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9309	-0.1	2.55E+07	1.11	1.09	104 %	14%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0785	-0.7	1.57E+07	1.55	0.93	115 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.10E+07	1.11	0.63	120 %	57%	125%
CS PCB-28	21.44		0.9310	0.9309	-0.1	2.55E+07	1.11	1.64	94 %	14%	131%
CS PCB-111	31.23		1.0789	1.0785	-0.7	1.57E+07	1.55	1.20	89 %	57%	112%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.10E+07	1.11	0.95	92.9 %	57%	125%
JS PCB-9	15.18					2.93E+07	1.66				
JS PCB-52	23.03					1.65E+07	0.80				
JS PCB-101	28.95					1.47E+07	1.56				
JS PCB-138	35.79					1.24E+07	1.26				
JS PCB-194	45.99					7.65E+06	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			53.4		53.4		1.5	
			Di-CBs			315		315		3.5	
			Tri-CBs			1,440		1,440		1.55	
			Tetra-CBs			15,900		15,900		2.89	
			Penta-CBs			68,400		68,400		1.09	
			Hexa-CBs			47,100		47,100		1.01	
			Hepta-CBs			6,690		6,690		0.602	
			Octa-CBs			1,100		1,100		0.476	
			Nona-CBs			222		222		2.75	
PCB-1 2-MoCB	10.96		1.0011	1.0011	0	1.10E+06	2.92	1.00	21.1	1.28E+04	1.34
PCB-2 3-MoCB	12.92		0.9879	0.9879	0	7.49E+05	3.26	1.31	10.6	1.28E+04	1.22
PCB-3 4-MoCB	13.09		1.0010	1.0010	0	1.13E+06	3.16	0.96	21.7	1.28E+04	1.66
PCB-4 22'-DiCB	13.32		1.0011	1.0013	+0.2	5.64E+05	1.58	0.82	17.8	1.84E+04	4.22
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.84E+04	2.36
PCB-9 25-DiCB	15.20		1.0010	1.0011	+0.1	2.54E+05	SI	0.95	3.05	1.19E+04	1.25
PCB-7 24-DiCB	15.35		1.0113	1.0112	-0.1	1.99E+05	SI	1.10	2.07	1.19E+04	1.08
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	9.70E+05	1.50	1.03	10.8	2.64E+04	2.58
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.64E+04	2.55
PCB-8 24'-DiCB	15.97		1.0517	1.0517	0	4.57E+06	1.60	1.04	50.2	2.64E+04	2.55
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.64E+04	2.13
PCB-11 33'-DiCB	18.21		0.9713	0.9712	-0.1	1.57E+07	1.58	1.06	169	2.64E+04	2.5
PCB-13/12 34'/34-DiCB	18.48	C	0.9861	0.9857	-0.4	8.35E+05	1.44	1.07	8.89	2.64E+04	2.47
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	4.35E+06	1.57	0.95	52.2	2.64E+04	2.78
PCB-19 22'6-TrCB	16.24		1.0011	1.0011	0	3.66E+05	1.03	0.92	10.7	7.60E+03	1.7
PCB-30/18 246/22'5-TrCB	17.94	C	1.1054	1.1059	+0.5	6.78E+06	1.03	1.27	144	7.60E+03	1.23
PCB-17 22'4-TrCB	18.32		1.1291	1.1293	+0.2	2.41E+06	1.05	1.07	60.7	7.60E+03	1.46
PCB-27 23'6-TrCB	18.50		1.1406	1.1407	+0.1	6.32E+05	1.04	1.46	11.6	7.60E+03	1.07
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	7.60E+03	1.11
PCB-16 22'3-TrCB	18.71		1.1537	1.1539	+0.2	1.81E+06	1.08	0.82	59.9	7.60E+03	1.91

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.19		1.1827	1.1830	+0.3	3.46E+06	1.04	1.52	61.2	7.60E+03	1.02
PCB-34 23'5'-TrCB	20.31	J EMPC	0.8155	0.8148	-0.9	1.50E+05	1.20	1.39	1.49	1.13E+04	1.08
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.13E+04	1.05
PCB-26/29 23'5'/245-TrCB	20.71	C	0.8324	0.8308	-2.0	5.24E+06	1.05	1.43	50.5	1.13E+04	1.05
PCB-25 23'4-TrCB	20.92		0.8401	0.8394	-0.9	2.30E+06	1.06	1.44	22.1	1.13E+04	1.04
PCB-31 24'5-TrCB	21.19		0.8509	0.8503	-0.8	3.36E+07	1.06	1.47	315	1.13E+04	1.02
PCB-28/20 244'/233'-TrCB	21.46	C	0.8618	0.8609	-1.2	3.42E+07	1.05	1.42	334	1.13E+04	1.06
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8691	+0.5	1.43E+07	1.07	1.44	137	1.13E+04	1.05
PCB-22 234'-TrCB	22.00		0.8834	0.8828	-0.8	9.75E+06	1.08	1.33	101	1.13E+04	1.13
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.13E+04	1.01
PCB-39 34'5-TrCB	23.72		0.9506	0.9516	+1.4	3.79E+05	1.01	1.54	3.41	1.13E+04	0.978
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.13E+04	1.09
PCB-35 33'4-TrCB	24.59		0.9866	0.9865	-0.1	8.58E+05	1.08	1.36	8.73	1.13E+04	1.11
PCB-37 344'-TrCB	24.95		1.0008	1.0009	+0.1	8.94E+06	1.07	1.07	115	1.13E+04	1.4
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.32E+03	0.769
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9093	-1.6	3.96E+06	0.77	0.60	88.9	5.82E+03	1.36
PCB-45 22'36-TeCB	21.53		0.9351	0.9349	-0.3	1.98E+06	0.82	0.53	50.5	5.82E+03	1.54
PCB-51 22'46'-TeCB	21.61		0.9384	0.9383	-0.1	5.61E+05	0.84	0.59	12.9	5.82E+03	1.39
PCB-46 22'36'-TeCB	21.80		0.9469	0.9467	-0.3	7.62E+05	0.83	0.49	20.8	5.82E+03	1.65
PCB-52 22'55'-TeCB	23.05		1.0010	1.0010	0	2.01E+08	0.77	0.59	4,580	5.82E+03	1.38
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	5.82E+03	1.07
PCB-43 22'35-TeCB	23.26		1.0101	1.0100	-0.1	8.09E+05	0.75	0.53	20.6	5.82E+03	1.54
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0197	+1.4	5.12E+07	0.77	0.72	956	5.82E+03	1.13
PCB-48 22'45-TeCB	23.74		1.0304	1.0306	+0.3	4.90E+06	0.75	0.60	111	5.82E+03	1.37
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0383	-1.9	8.37E+07	0.77	0.64	1,770	5.82E+03	1.28
PCB-59/62/75 ...-TeCB	24.22	C	1.0514	1.0515	+0.1	2.66E+06	0.76	0.81	44.3	5.82E+03	1.01
PCB-42 22'34'-TeCB	24.38		1.0582	1.0585	+0.4	7.62E+06	0.77	0.55	188	5.82E+03	1.5
PCB-41 22'34-TeCB	24.70		1.0722	1.0723	+0.1	1.32E+06	0.74	0.51	34.9	5.82E+03	1.6
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.97E+07	0.77	0.60	440	5.82E+03	1.35
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	3.54E+07	0.78	0.86	554	5.82E+03	0.948
PCB-72 23'55'-TeCB	25.76		0.8379	0.8388	+1.4	9.06E+05	0.72	1.24	9.88	3.98E+04	4.52
PCB-68 23'45'-TeCB	26.03		0.8461	0.8475	+2.2	3.90E+05	0.79	1.31	4.01	3.98E+04	4.26
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	3.98E+04	4.74
PCB-58 233'5'-TeCB	26.54		0.8642	0.8642	0	1.06E+07	0.79	1.21	118	3.98E+04	4.62
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	3.98E+04	4.43
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	3.98E+04	4.38
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8876	+3.3	4.18E+08	0.78	1.21	4,690	3.98E+04	4.64
PCB-66 23'44'-TeCB	27.52		0.8947	0.8960	+2.1	1.12E+08	0.78	1.12	1,350	3.98E+04	4.98
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	3.98E+04	4.72
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	4.31E+07	0.77	1.12	522	3.98E+04	5.01
PCB-60 2344'-TeCB	28.25		0.9193	0.9199	+1.0	1.98E+07	0.77	1.17	228	3.98E+04	4.78
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	3.98E+04	4.24
PCB-79 33'45'-TeCB	29.89		0.9730	0.9732	+0.4	8.47E+06	0.73	1.34	85.2	3.98E+04	4.17
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.98E+04	5.16
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.50E+03	0.264
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	1.72E+06	0.62	0.97	34.4	1.50E+03	0.277
PCB-103 22'45'6-PeCB	25.93		0.8946	0.8956	+1.6	1.08E+06	0.63	0.87	26.3	6.29E+03	1.5
PCB-94 22'356'-PeCB	26.12		0.9008	0.9022	+2.2	6.61E+05	0.61	0.76	18.7	6.29E+03	1.73

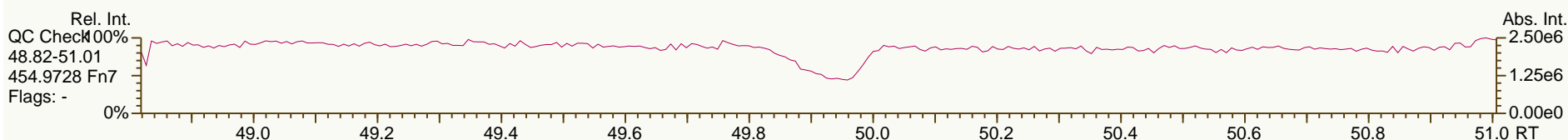
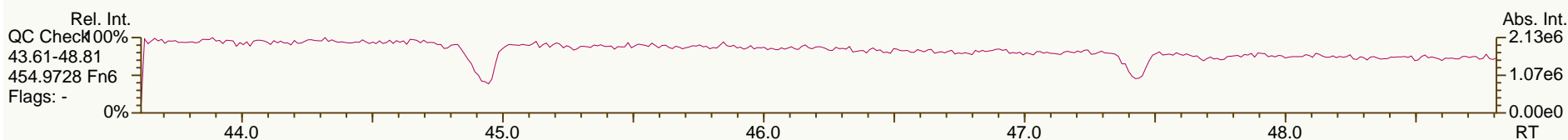
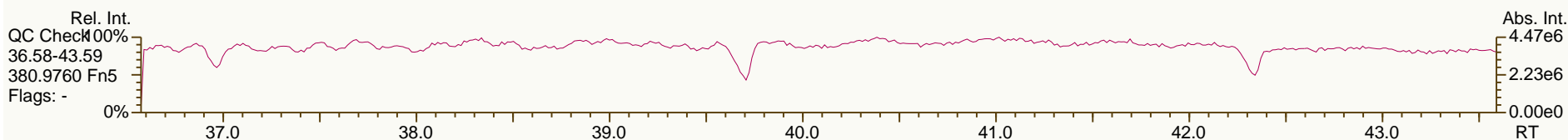
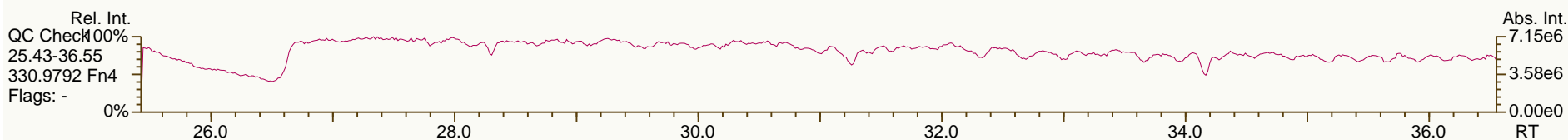
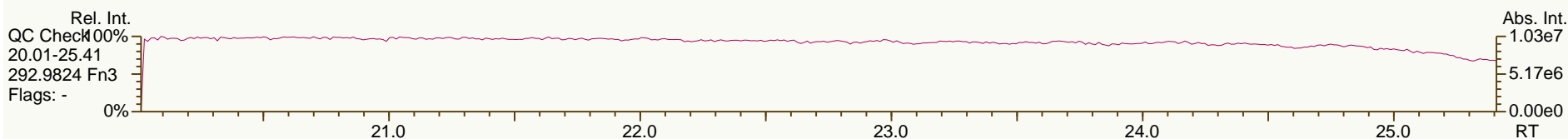
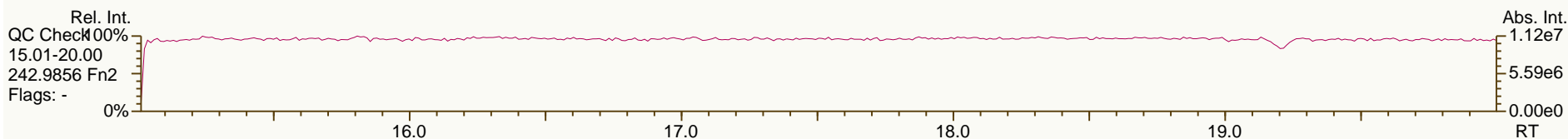
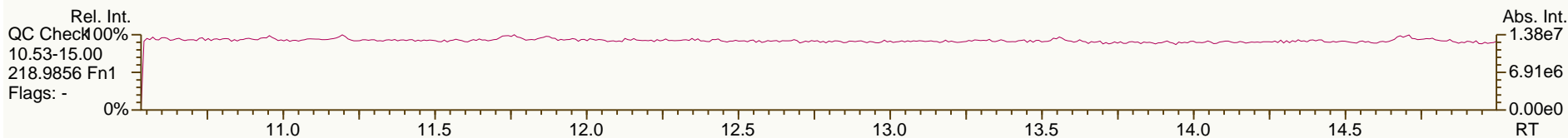
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9167	+4.8	1.62E+08	0.64	0.80	4,300	6.29E+03	1.63
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.29E+03	1.62
PCB-102 22'456'-PeCB	26.76		0.9247	0.9241	-1.0	1.30E+06	0.63	0.91	30.6	6.29E+03	1.44
PCB-98 22'34'6'-PeCB	26.86		0.9270	0.9278	+1.3	8.15E+06	0.63	0.76	230	6.29E+03	1.73
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.29E+03	1.75
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9411	+2.8	4.71E+07	0.64	0.87	1,150	6.29E+03	1.5
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9470	+2.1	8.85E+07	0.63	0.70	2,700	6.29E+03	1.87
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	2.17E+06	0.65	0.73	63.6	6.29E+03	1.8
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.29E+03	1.19
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	7.35E+07	0.64	0.77	2,050	6.29E+03	1.71
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	4.82E+08	0.63	0.91	11,300	6.29E+03	1.44
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.82E+07	0.63	0.68	571	6.29E+03	1.93
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0178	-0.4	2.01E+08	0.63	0.82	5,200	6.29E+03	1.59
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	6.29E+03	1.22
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0338	+1.4	3.28E+08	0.63	0.90	7,770	6.29E+03	1.45
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	6.29E+03	1.32
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0531	-1.8	8.31E+07	0.62	0.92	1,920	6.29E+03	1.42
PCB-110 233'4'6-PeCB	30.64	E	1.0584	1.0581	-0.6	6.37E+08	0.63	0.98	13,800	6.29E+03	1.33
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.29E+03	1.25
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0673	-0.7	3.79E+07	0.63	0.64	1,260	6.29E+03	2.04
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.29E+03	1.27
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	6.29E+03	1.19
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9914	+0.2	2.09E+07	0.63	0.95	467	6.29E+03	1.37
PCB-109 233'46-PeCB	32.80		0.9975	0.9977	+0.4	3.33E+07	0.63	1.05	675	6.29E+03	1.25
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.29E+03	1.44
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	6.29E+03	1.4
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.29E+03	1.96
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.59E+03	0.238
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	6.20E+05	1.28	1.03	10.1	1.59E+03	0.239
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0108	-0.2	5.18E+05	1.11	1.01	8.71	1.59E+03	0.245
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	6.31E+07	1.23	0.96	1,110	1.59E+03	0.258
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.59E+03	0.254
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0746	-0.7	2.47E+05	1.10	0.73	5.71	1.59E+03	0.337
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0922	-0.8	9.37E+07	1.25	0.71	2,240	1.59E+03	0.349
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.59E+03	0.303
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1085	-0.8	1.70E+07	1.24	0.72	401	1.59E+03	0.343
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1188	-1.0	2.91E+08	1.24	0.74	6,670	1.59E+03	0.335
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1248	-0.6	2.45E+07	1.23	0.63	662	1.59E+03	0.394
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.59E+03	0.367
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1366	-1.2	1.02E+07	1.24	0.70	246	1.59E+03	0.352
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1424	-0.8	7.15E+06	1.22	0.62	195	1.59E+03	0.399
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.59E+03	0.399
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1555	-0.8	1.48E+08	1.23	0.63	3,980	1.59E+03	0.392
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1706	-0.8	4.79E+06	1.22	0.68	120	1.59E+03	0.365
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.59E+03	0.301
PCB-146 22'34'55'-HxCB	34.24		0.9569	0.9568	-0.2	5.21E+07	1.25	0.72	1,220	1.59E+03	0.343
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.59E+03	0.27
PCB-153/168 ...-HxCB	34.76	C	0.9720	0.9714	-1.3	3.77E+08	1.24	0.85	7,520	1.59E+03	0.292

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	6.65E+07	1.24	0.68	1,650	1.59E+03	0.363
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	3.00E+07	1.26	0.60	846	1.59E+03	0.411
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9909	+0.2	3.42E+07	1.24	0.64	908	1.59E+03	0.388
PCB-164 233'4'5'6'-HxCB	35.55		0.9931	0.9932	+0.2	3.67E+07	1.25	0.91	682	1.59E+03	0.271
PCB-163/138/129 ...-HxCB	35.81	C	1.0011	1.0007	-0.9	5.33E+08	1.25	0.71	12,700	1.59E+03	0.349
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.59E+03	0.294
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	7.12E+07	1.25	0.89	1,350	1.59E+03	0.277
PCB-128/166 ...-HxCB	36.87	C	0.9619	0.9619	0	9.38E+07	1.26	0.93	2,200	4.77E+03	1.13
PCB-159 233'455'-HxCB	37.68		0.9838	0.9828	-2.3	1.71E+06	1.27	1.15	32.3	4.77E+03	0.913
PCB-162 233'4'55'-HxCB	37.95		0.9900	0.9900	0	2.08E+06	1.26	1.08	42	4.77E+03	0.974
PCB-188 22'34'566'-HpCB	33.63	J EMPC	1.0006	1.0007	+0.2	4.95E+04	0.84	0.94	1.11	1.50E+03	0.351
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.12E+07	1.04	0.93	256	1.50E+03	0.358
PCB-184 22'344'66'-HpCB	34.37	J	1.0225	1.0228	+0.6	4.38E+04	1.12	0.96	0.968	1.50E+03	0.346
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	4.85E+06	1.05	1.04	98.4	1.50E+03	0.318
PCB-186 22'34566'-HpCB	35.04	J EMPC	1.0425	1.0425	0	3.33E+04	0.81	0.99	0.713	1.50E+03	0.335
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0770	+0.2	4.24E+06	1.00	0.72	125	1.50E+03	0.461
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0931	+0.4	1.30E+06	0.99	0.74	37.3	2.72E+03	0.818
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.28E+07	1.05	0.80	605	2.72E+03	0.757
PCB-182 22'344'56'-HpCB	37.14		1.1050	1.1051	+0.2	3.09E+05	1.01	0.82	8.03	2.72E+03	0.739
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	1.99E+07	1.04	0.82	518	2.72E+03	0.739
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1179	+1.1	1.49E+06	0.96	0.78	40.6	2.72E+03	0.777
PCB-174 22'33'456'-HpCB	37.67		1.1207	1.1209	+0.5	2.76E+07	1.05	0.72	808	2.72E+03	0.832
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1320	+0.2	1.52E+07	1.05	0.62	518	2.72E+03	0.973
PCB-181 22'344'56'-HpCB	38.39		1.1422	1.1424	+0.5	1.05E+06	1.05	0.78	28.4	2.72E+03	0.771
PCB-171/173 ...-HpCB	38.58	C	1.1474	1.1479	+1.2	1.15E+07	1.06	0.67	364	2.72E+03	0.901
PCB-172 22'33'455'-HpCB	39.95		0.9042	0.9040	-0.5	5.28E+06	1.03	0.71	146	2.72E+03	0.801
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.72E+03	0.58
PCB-180/193 ...-HpCB	40.51	C	0.9160	0.9165	+1.2	7.16E+07	1.04	0.82	1,700	2.72E+03	0.688
PCB-191 233'44'5'6'-HpCB	40.81		0.9234	0.9232	-0.5	2.04E+06	1.05	0.99	40.5	2.72E+03	0.572
PCB-170 22'33'44'5'-HpCB	41.57		0.9406	0.9405	-0.2	3.98E+07	1.04	0.67	1,150	2.72E+03	0.837
PCB-190 233'44'56'-HpCB	42.02		0.9509	0.9507	-0.5	8.34E+06	1.03	0.88	184	2.72E+03	0.638
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0005	-0.2	2.55E+06	0.90	0.86	64.4	1.58E+03	0.407
PCB-201 22'33'45'66'-OoCB	38.94		1.0211	1.0211	0	1.64E+06	0.90	1.05	33.9	1.58E+03	0.331
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.58E+03	0.371
PCB-197 22'33'44'66'-OoCB	39.71		1.0412	1.0413	+0.2	2.59E+05	0.98	1.07	5.24	1.58E+03	0.326
PCB-200 22'33'4566'-OoCB	39.79		1.0433	1.0433	0	1.45E+06	0.89	0.97	32.4	1.58E+03	0.358
PCB-198/199 ...-OoCB	42.17	C	1.1049	1.1057	+2.0	8.36E+06	0.92	0.62	292	1.58E+03	0.562
PCB-196 22'33'44'56'-OoCB	42.73		1.1201	1.1204	+0.8	3.75E+06	0.86	0.63	129	1.58E+03	0.555
PCB-203 22'344'55'6'-OoCB	42.90		1.1245	1.1249	+1.0	6.06E+06	0.90	0.68	195	1.58E+03	0.517
PCB-195 22'33'44'56'-OoCB	44.02		0.9489	0.9487	-0.5	2.03E+06	0.90	0.87	88.2	1.63E+03	0.749
PCB-194 22'33'44'55'-OoCB	46.01		0.9917	0.9917	0	5.49E+06	0.89	0.84	249	1.63E+03	0.782
PCB-205 233'44'55'6'-OoCB	46.41		1.0004	1.0004	0	3.44E+05	0.85	1.20	10.9	1.63E+03	0.545
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	1.50E+06	0.77	1.01	43	6.52E+03	1.92
PCB-207 22'33'44'566'-NoCB	44.62		1.0186	1.0186	0	6.95E+05	0.77	1.00	20	6.52E+03	1.93
PCB-206 22'33'44'55'6'-NoCB	47.91		1.0004	1.0004	0	3.27E+06	0.75	0.95	159	6.52E+03	3.57

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Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

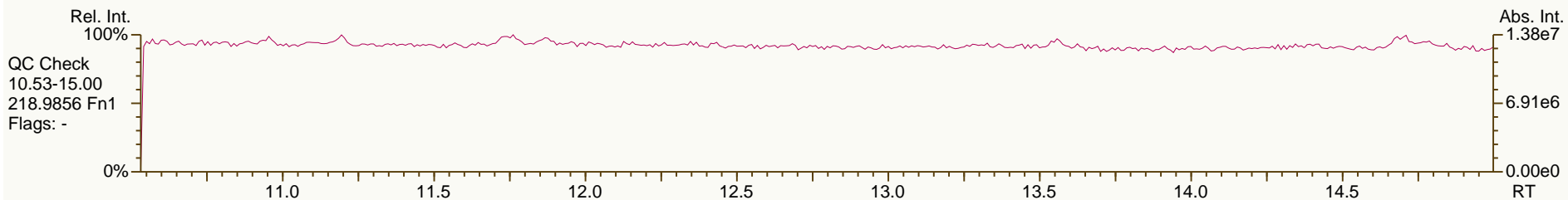
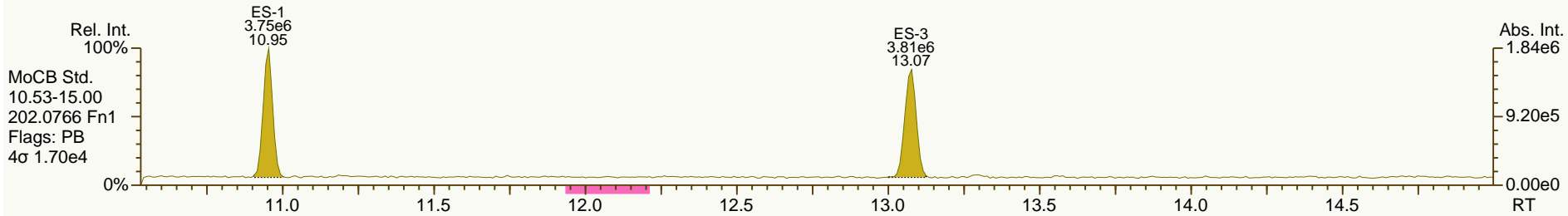
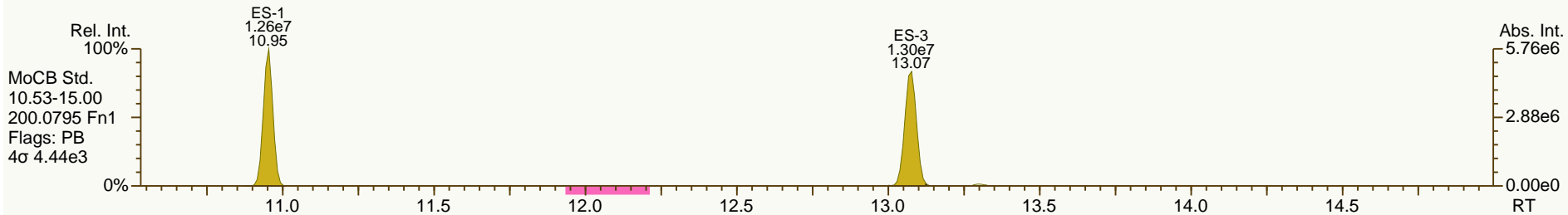
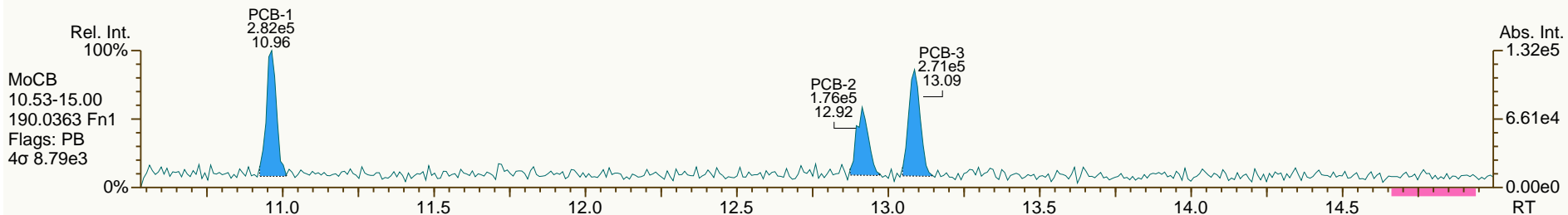
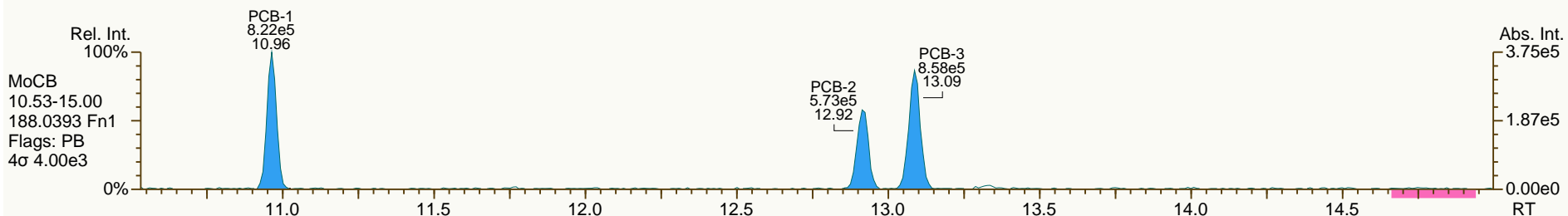
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AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
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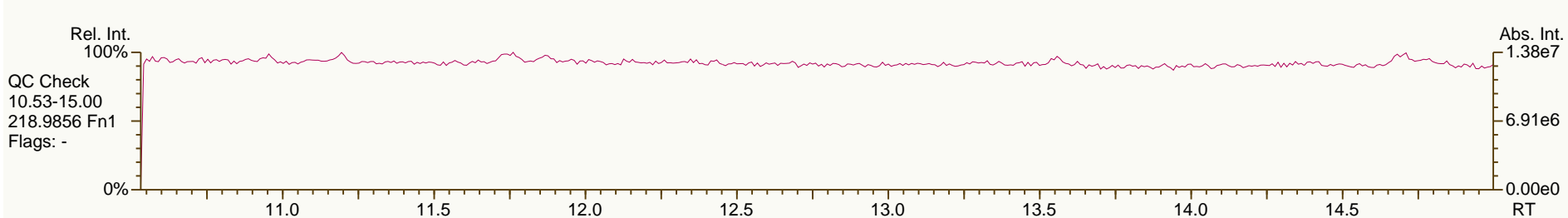
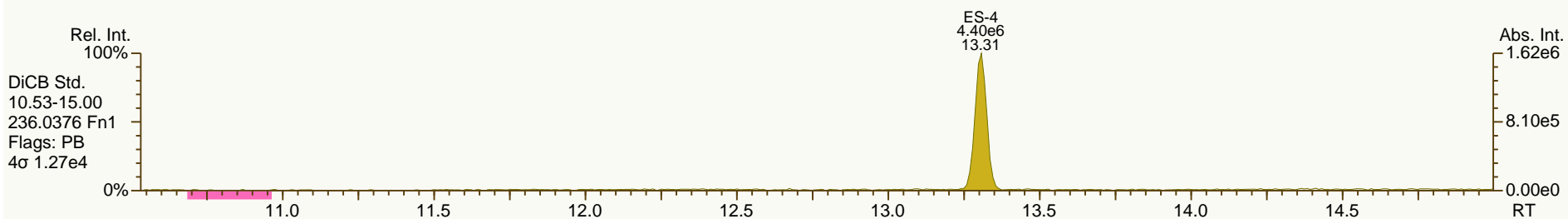
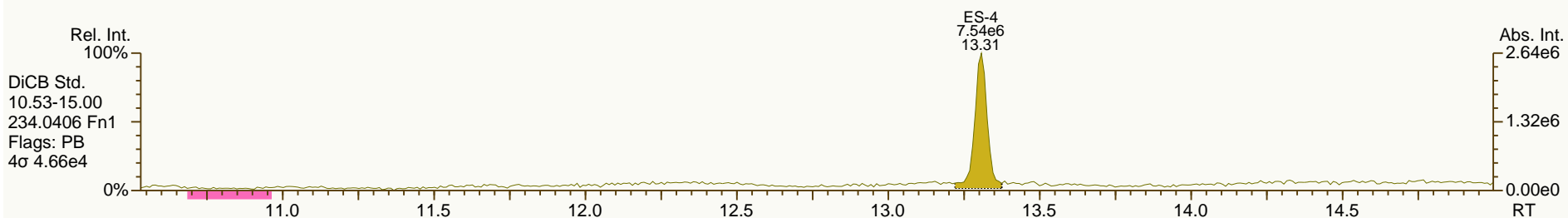
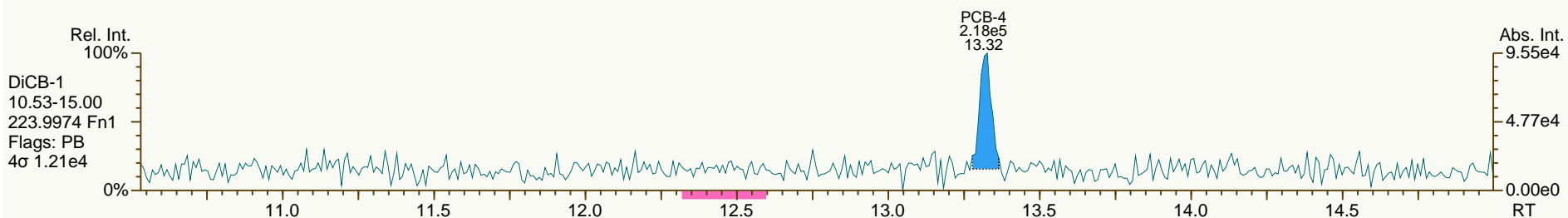
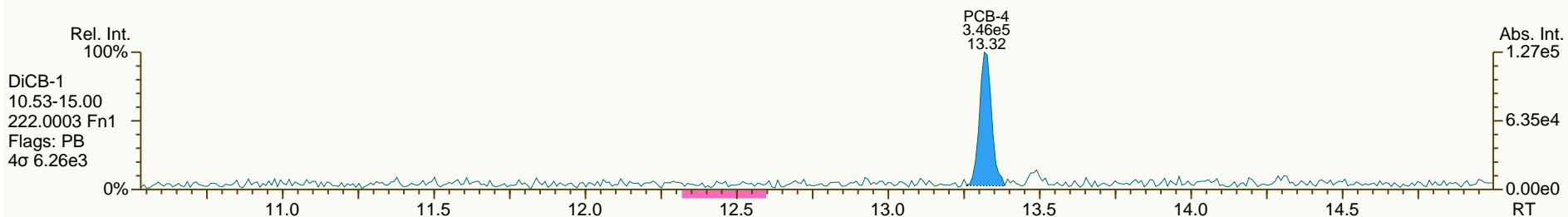
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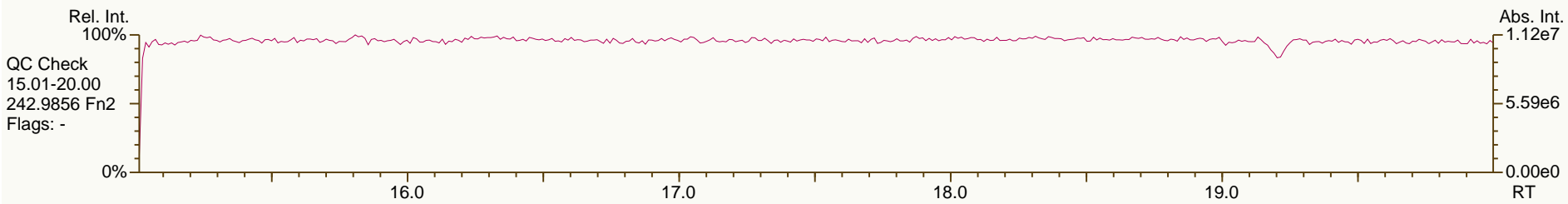
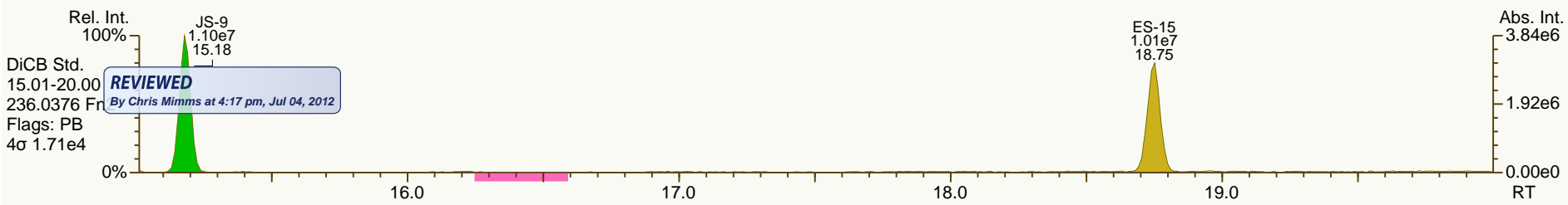
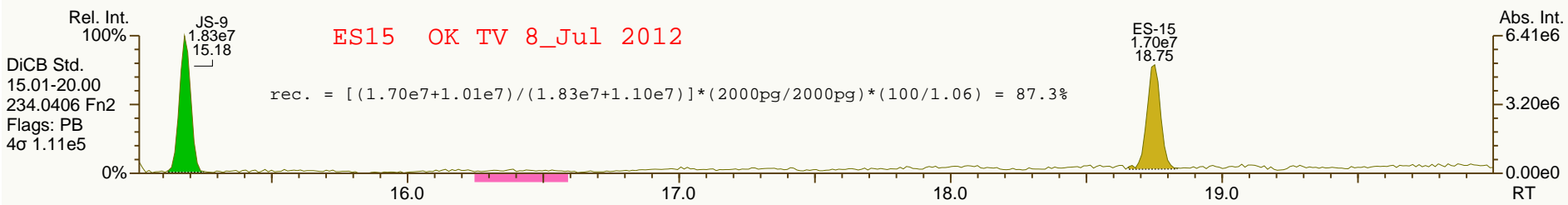
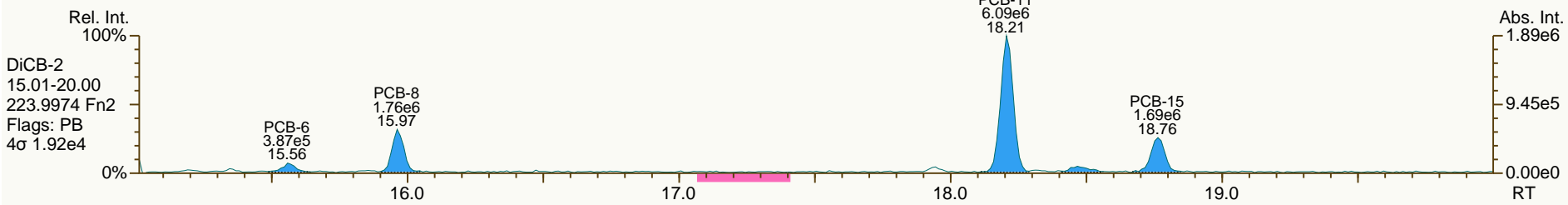
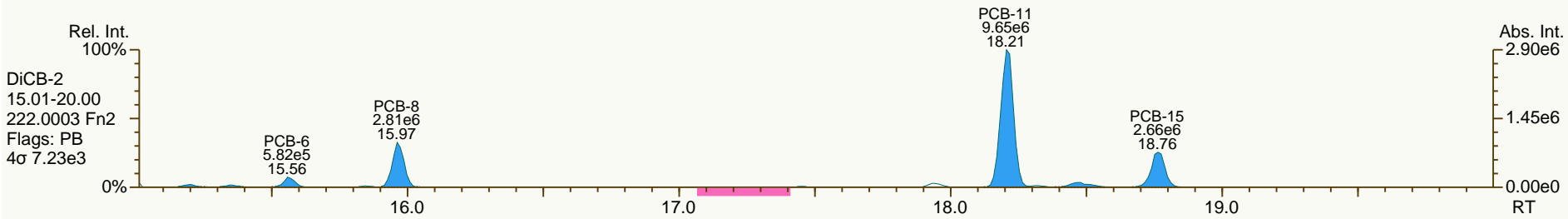
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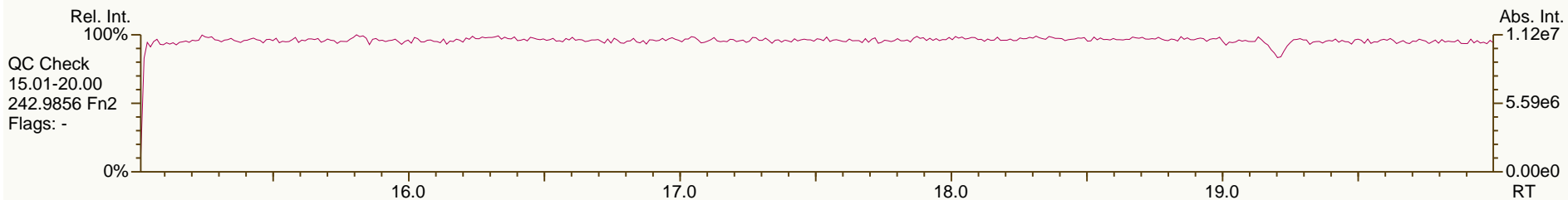
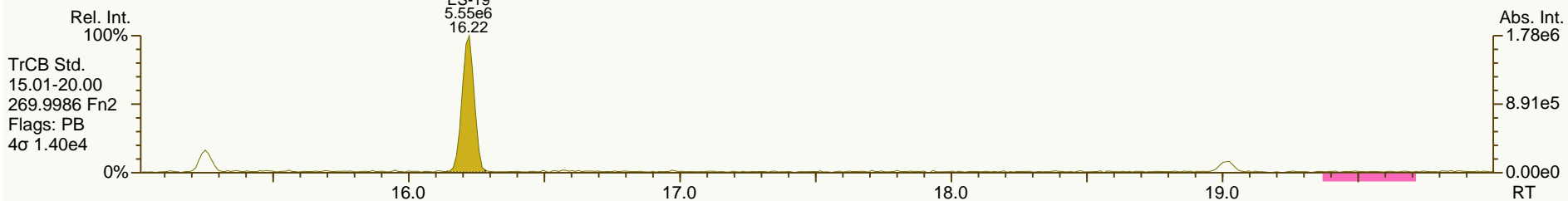
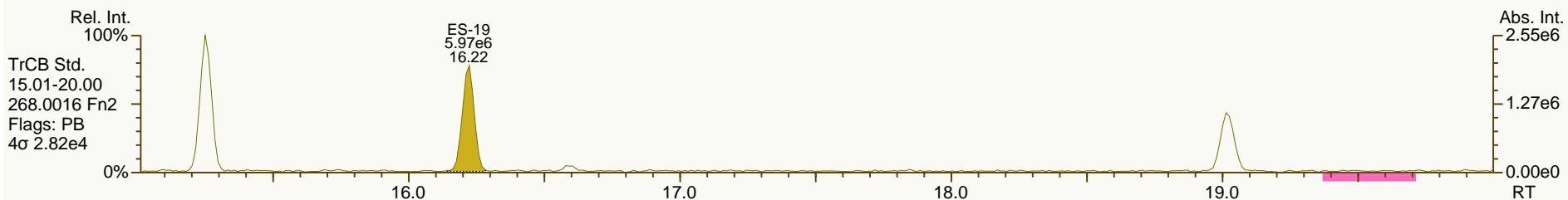
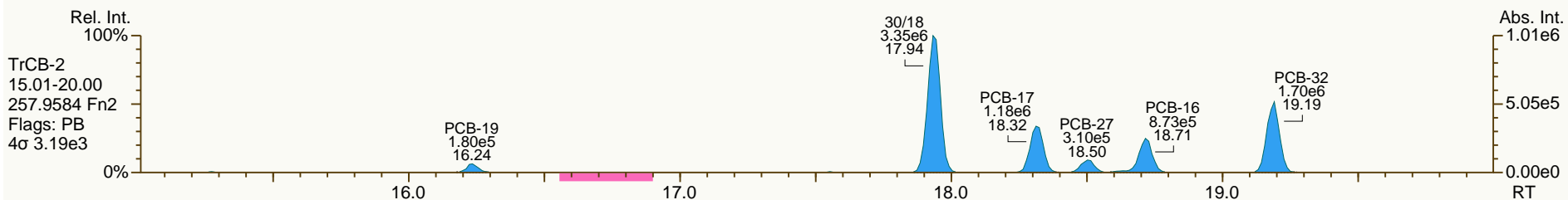
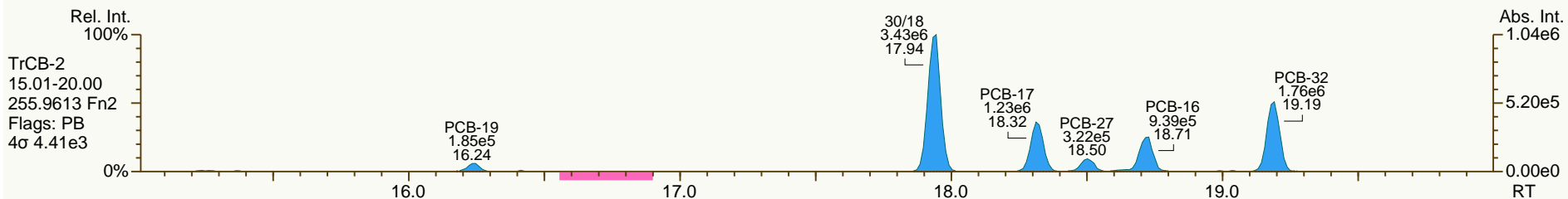
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AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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Sample ID: JW-EA10-SS39-120507
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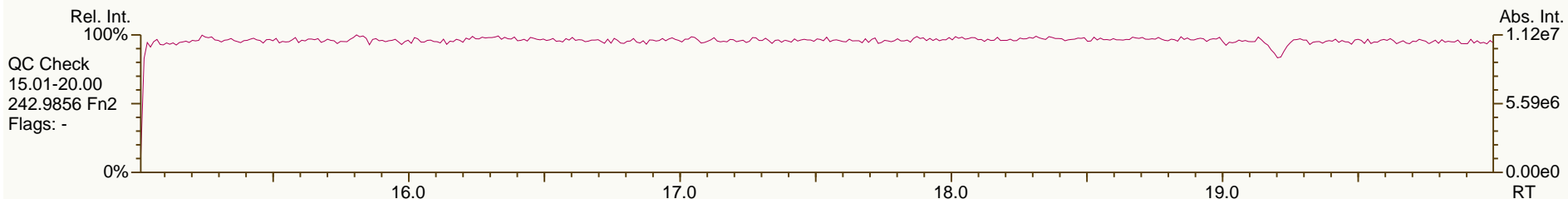
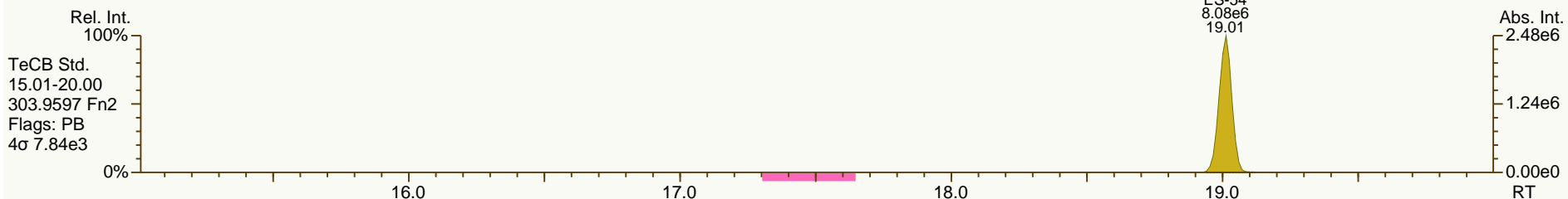
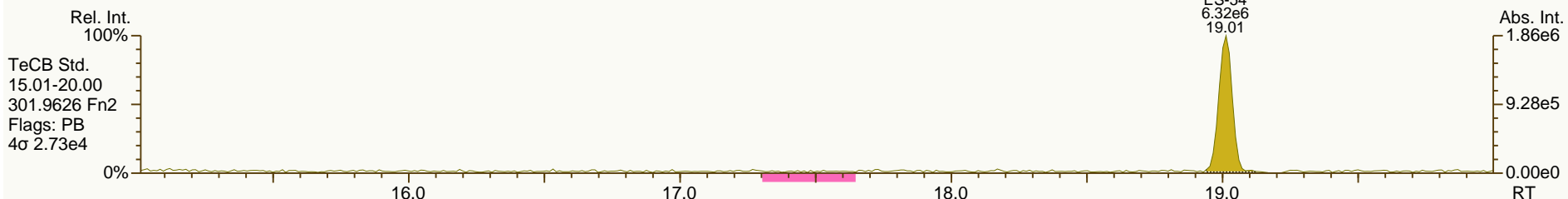
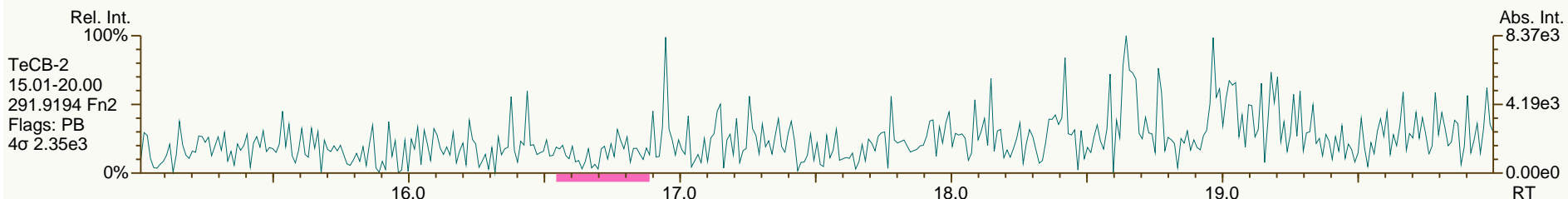
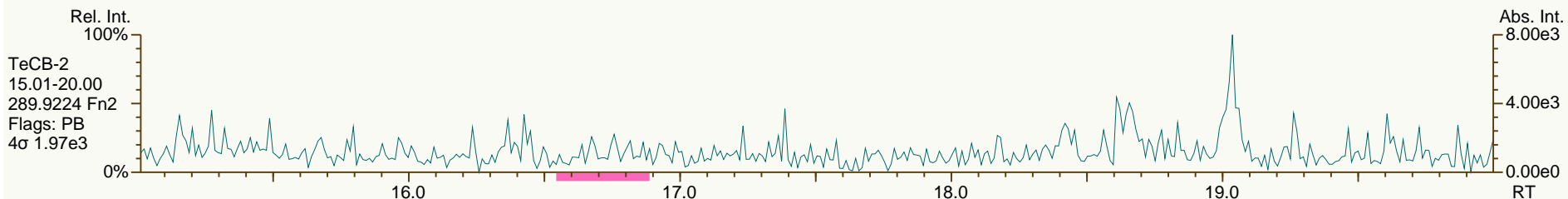
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AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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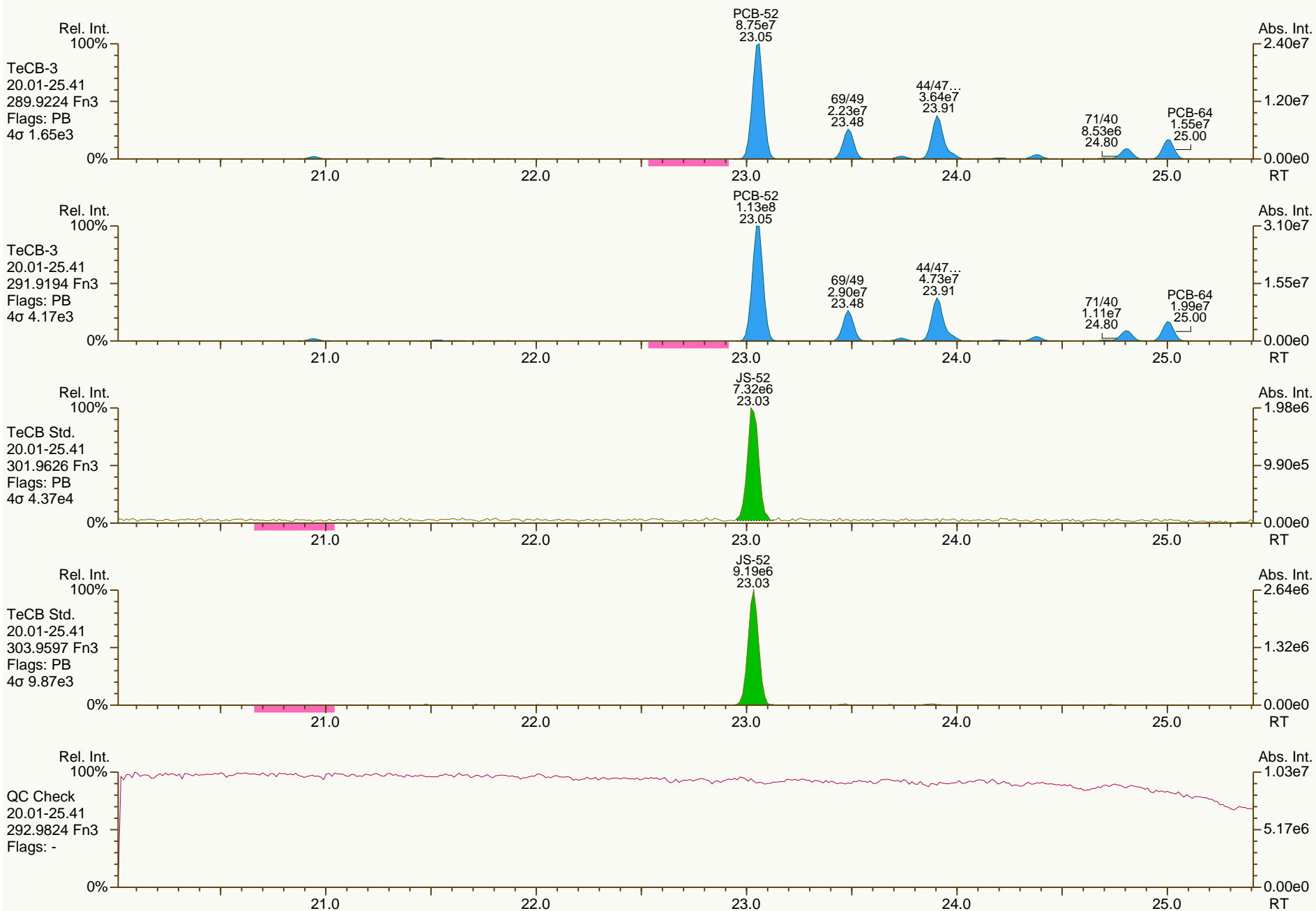
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AP Lab ID: A4373_9894_PCB_001
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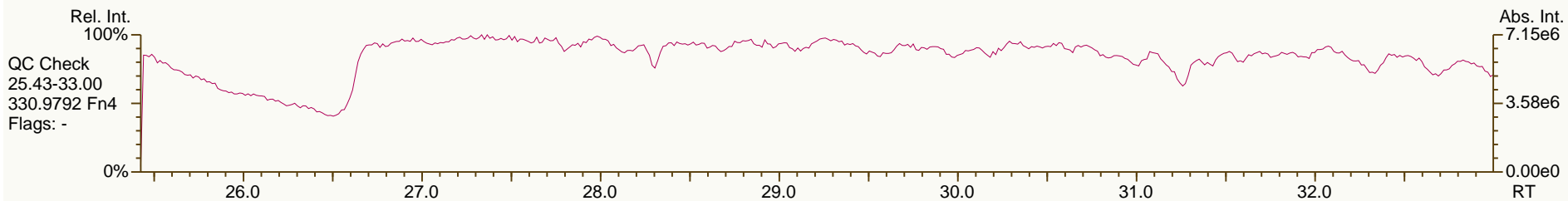
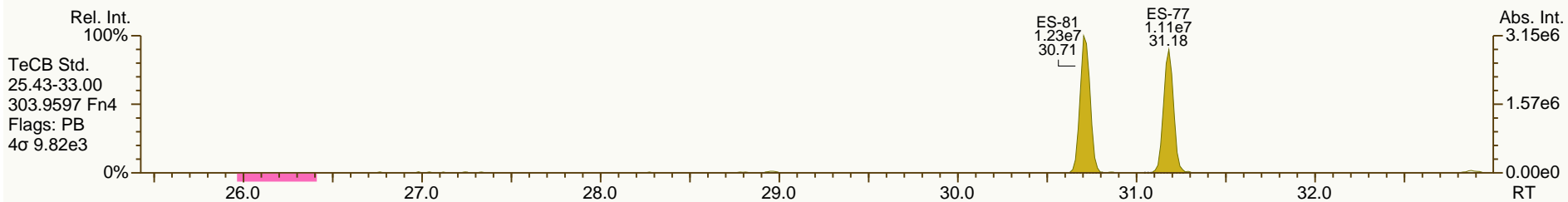
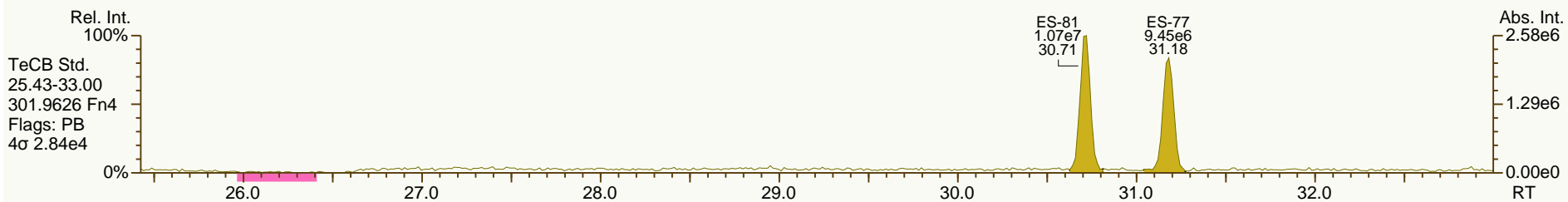
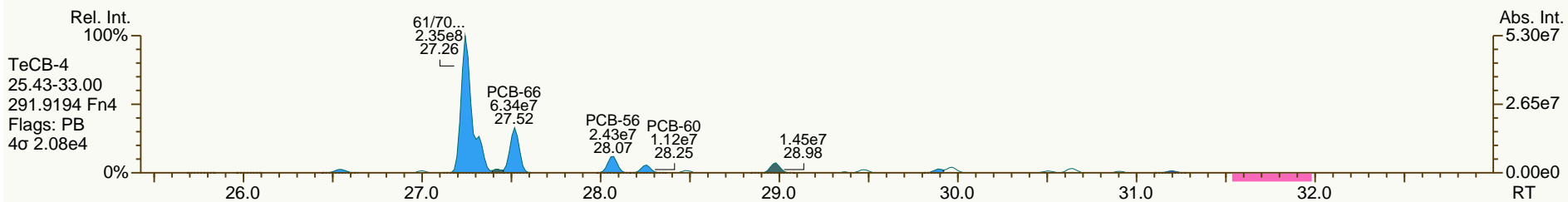
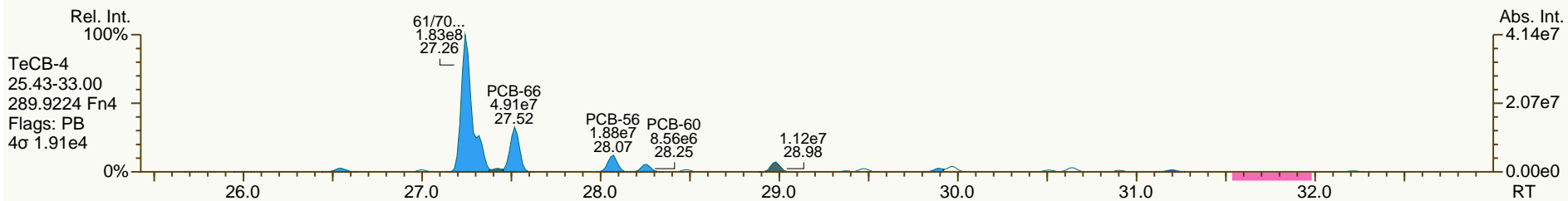
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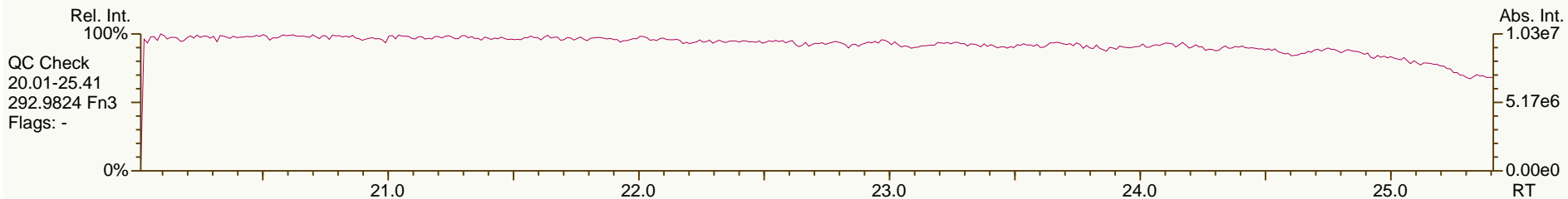
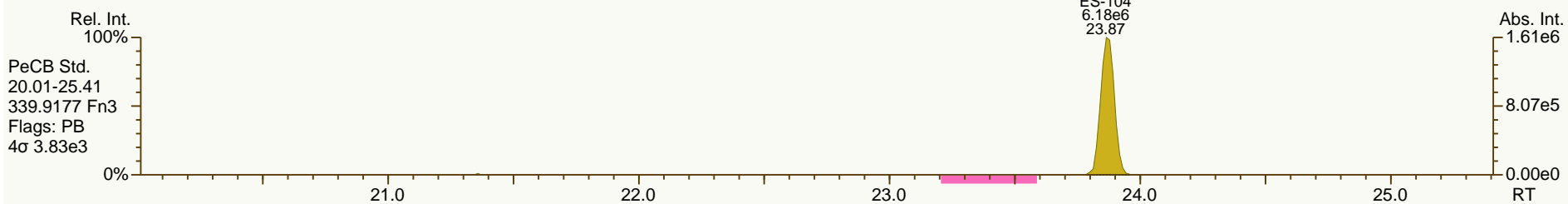
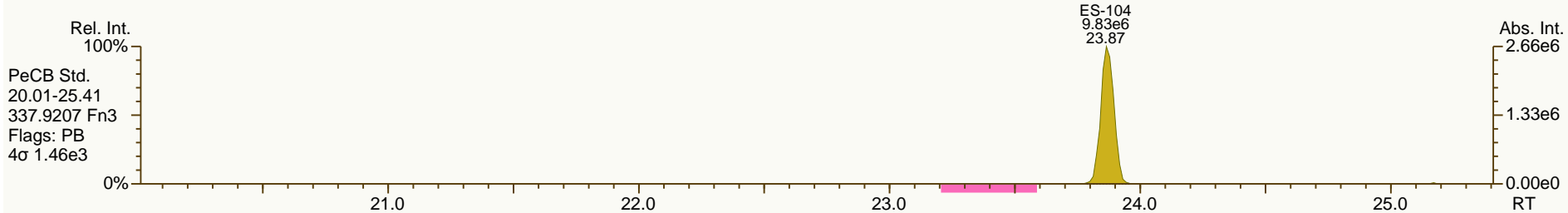
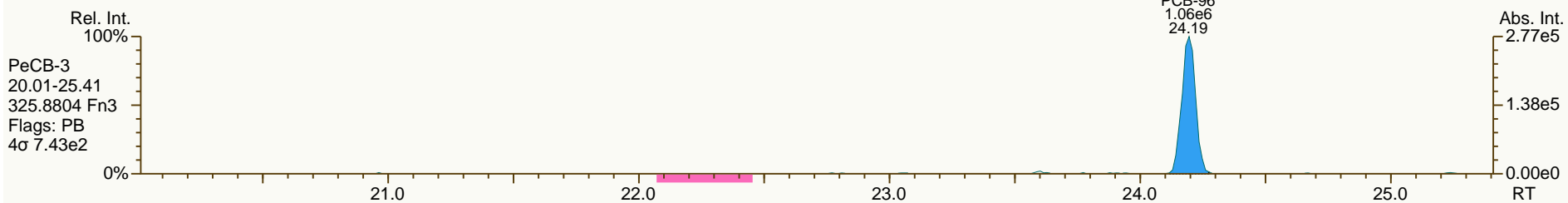
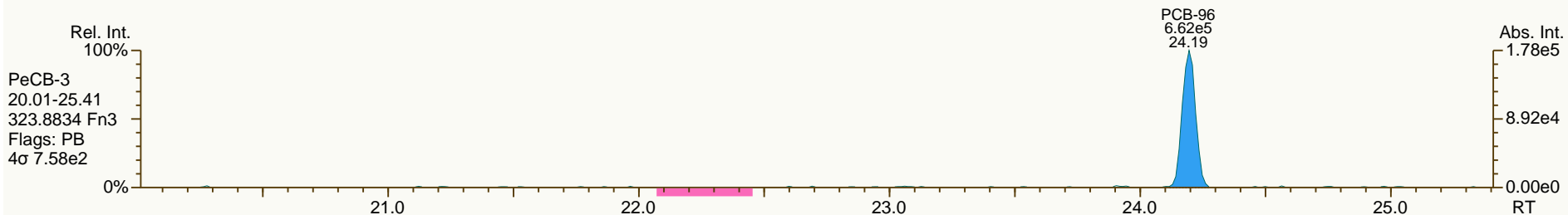
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AP Lab ID: A4373_9894_PCB_001
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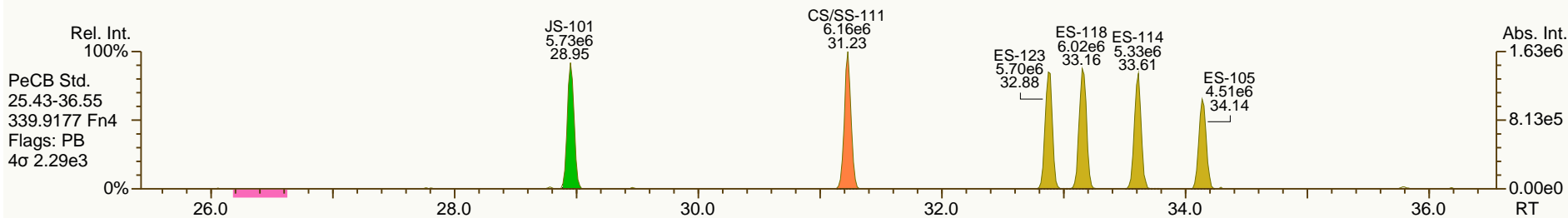
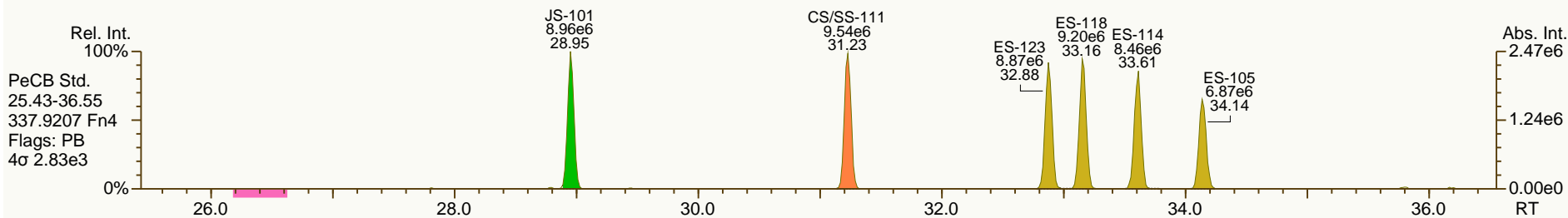
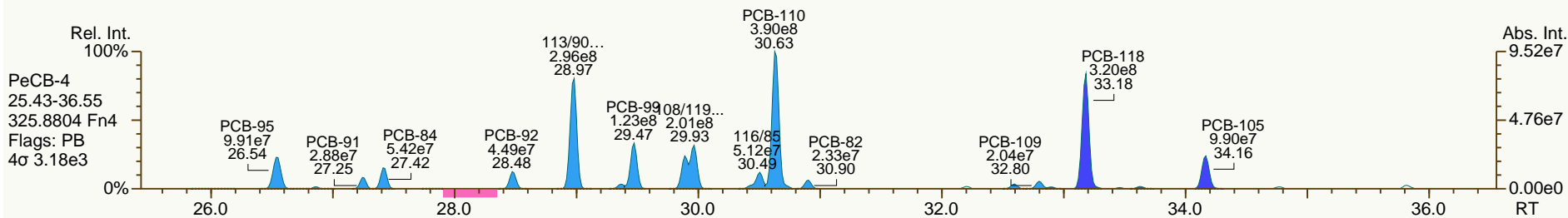
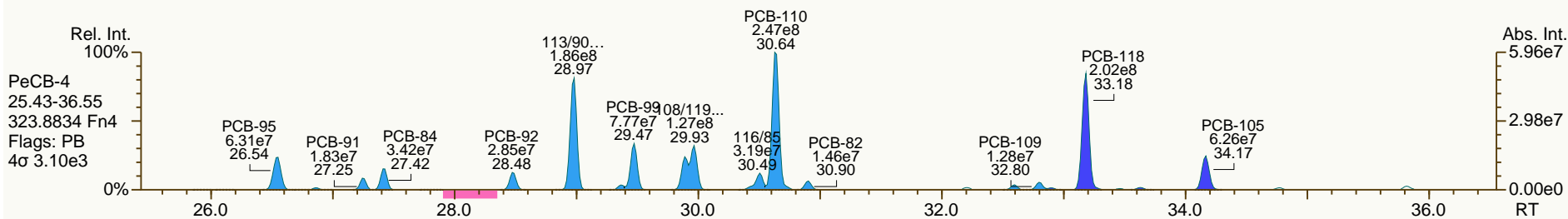
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AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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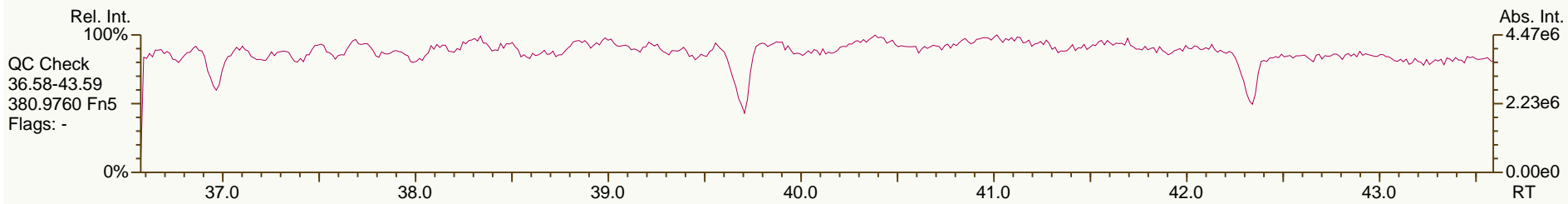
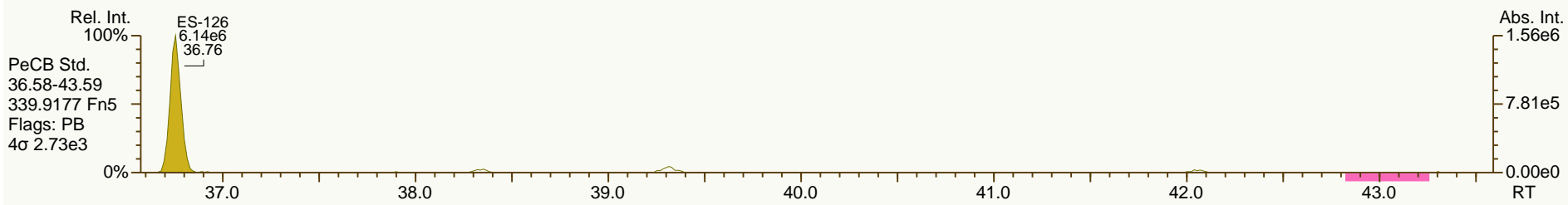
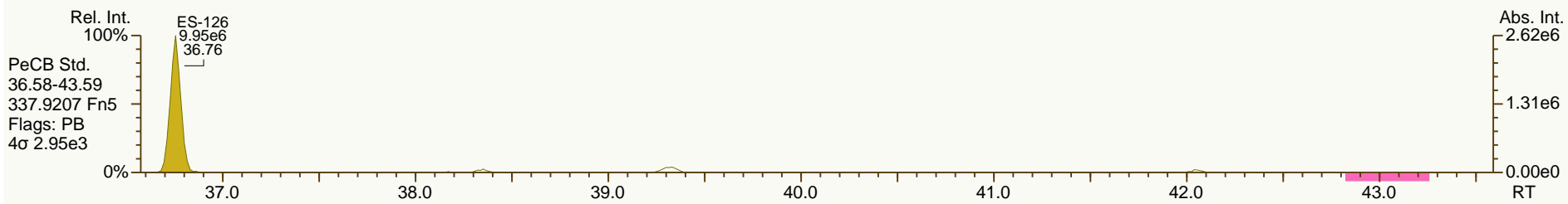
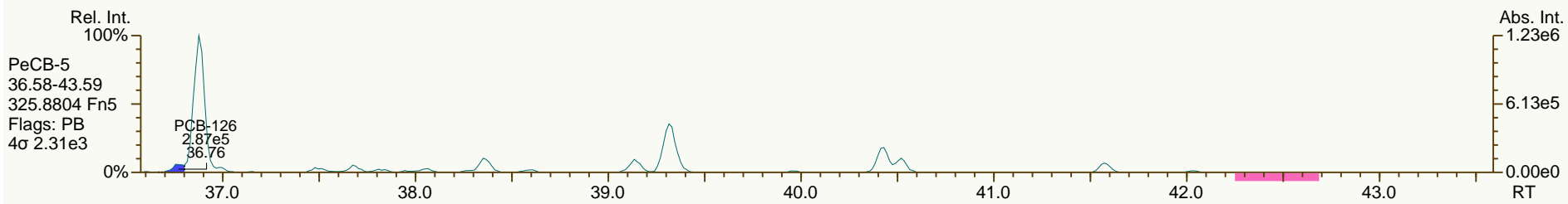
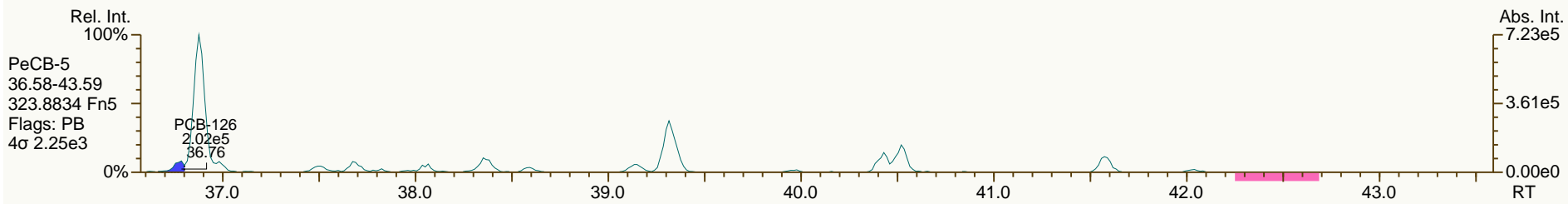
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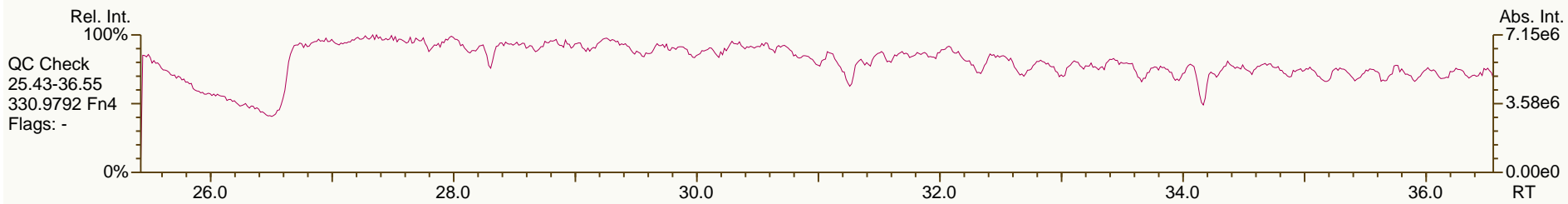
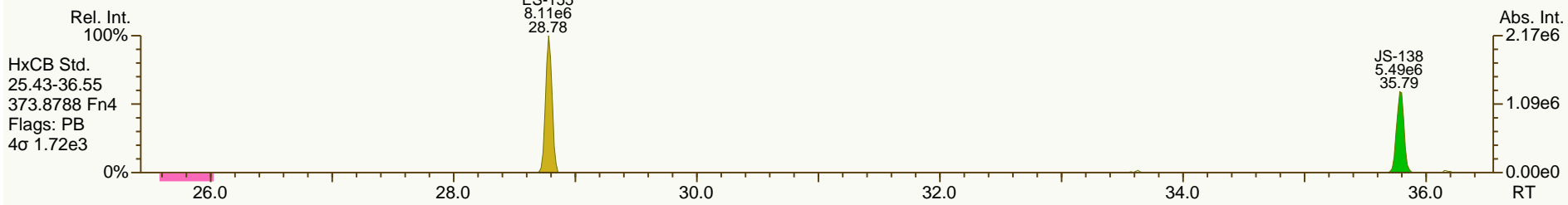
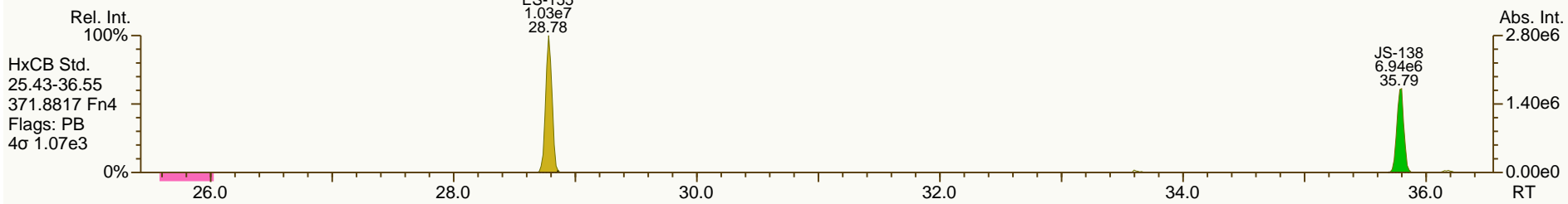
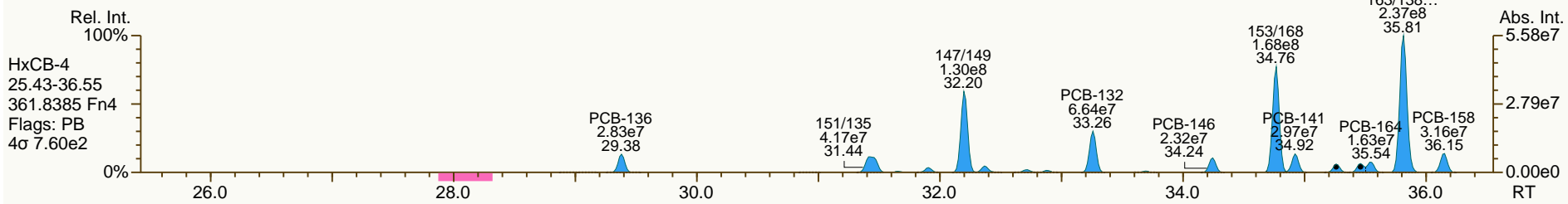
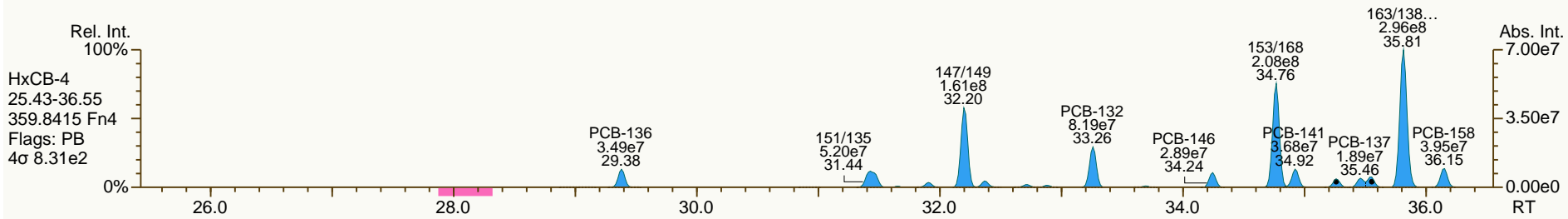
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 User: CEM Datafile: 120703V21



AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 03-Jul-2012 22:46:40
 User: CEM Datafile: 120703V21



AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
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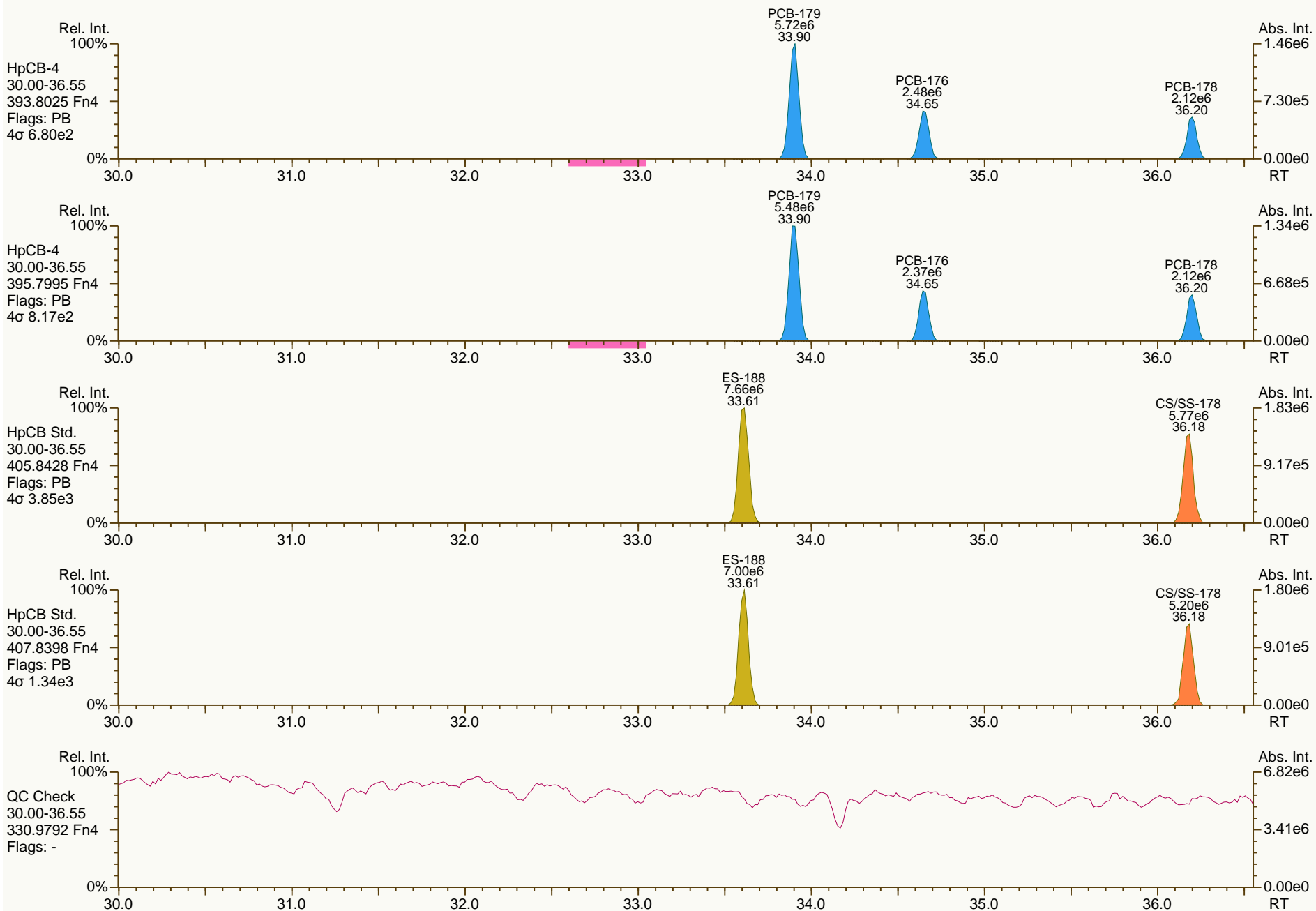
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AP Lab ID: A4373_9894_PCB_001
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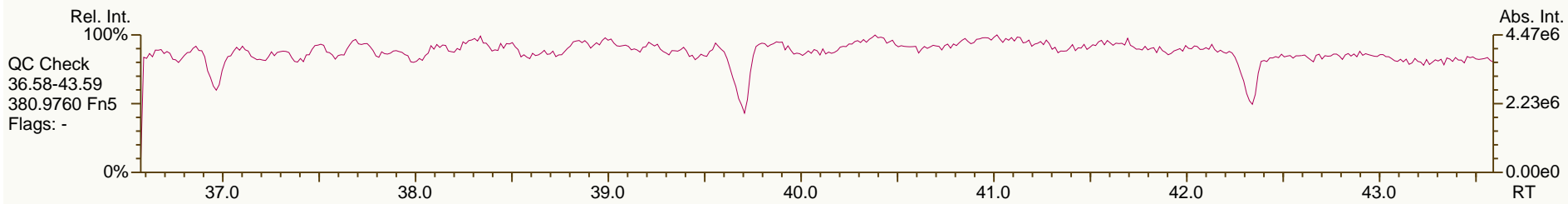
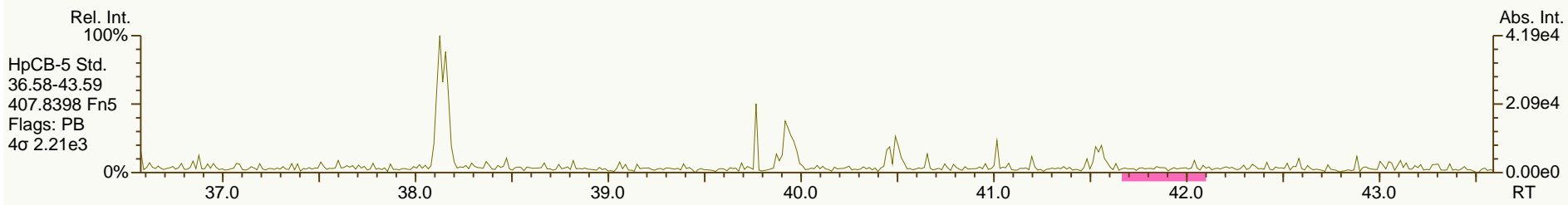
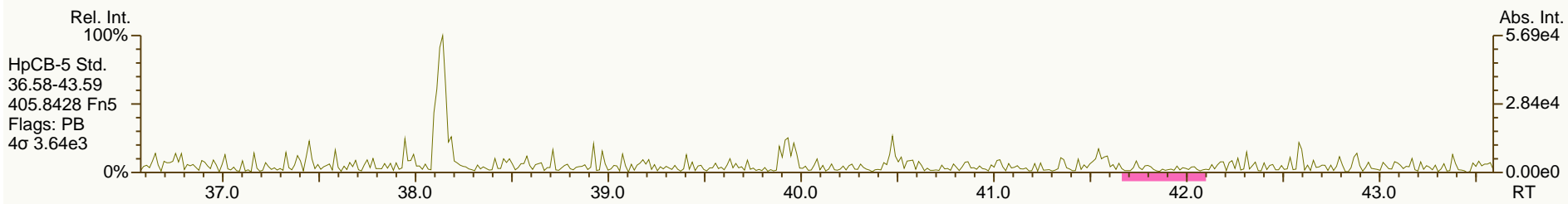
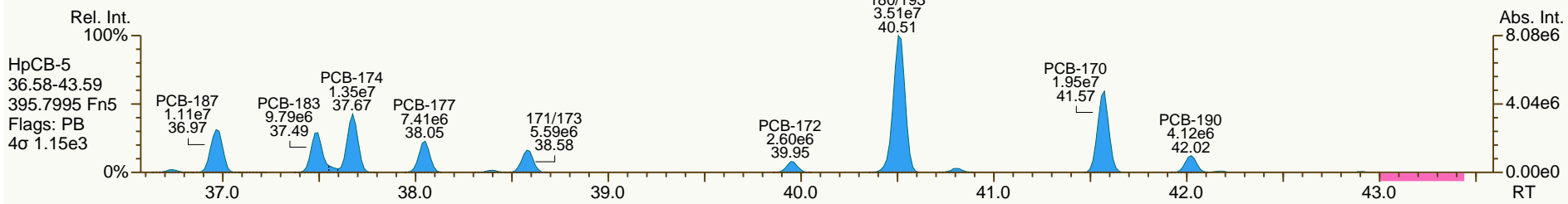
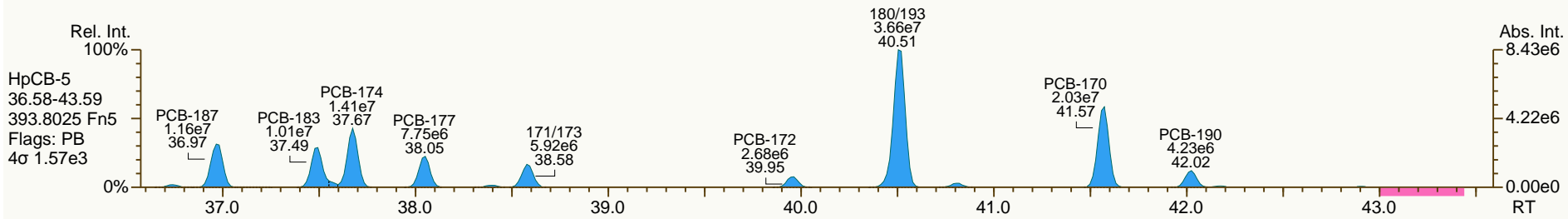
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Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

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AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
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 User: CEM Datafile: 120703V21



AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

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 User: CEM Datafile: 120703V21



AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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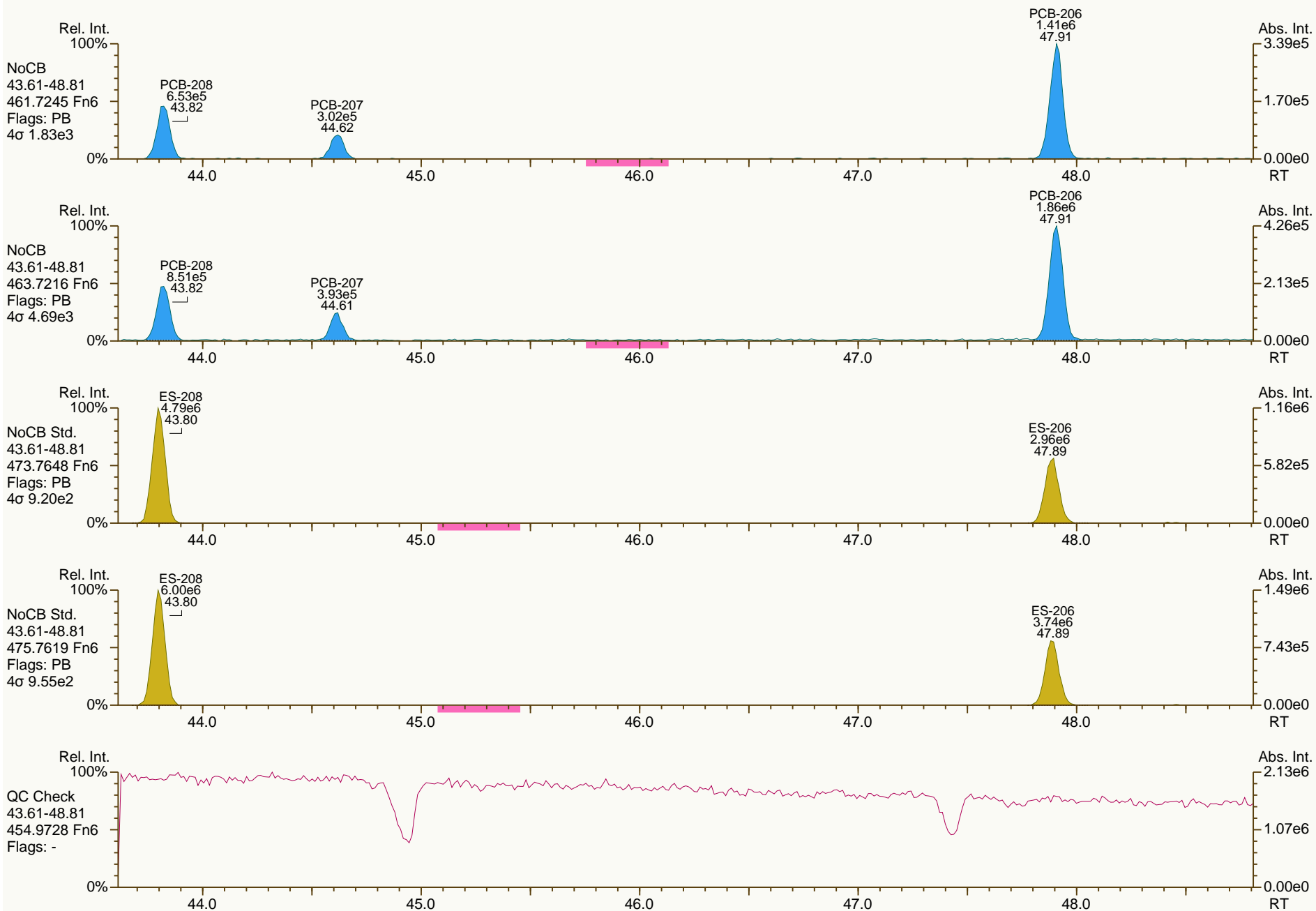
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AP Lab ID: A4373_9894_PCB_001
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Sample ID: JW-EA10-SS39-120507
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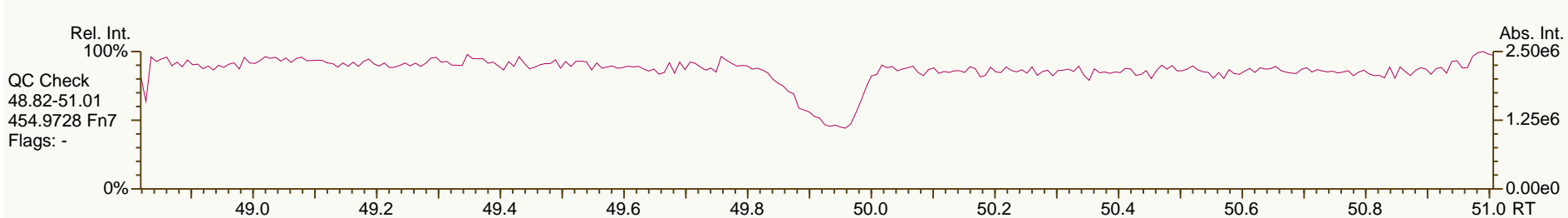
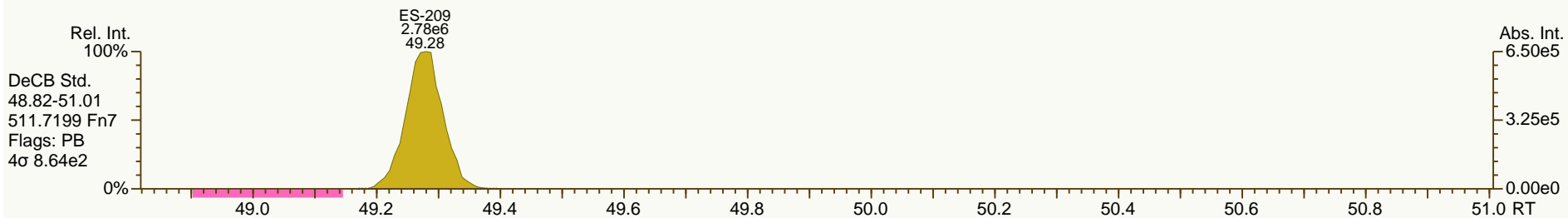
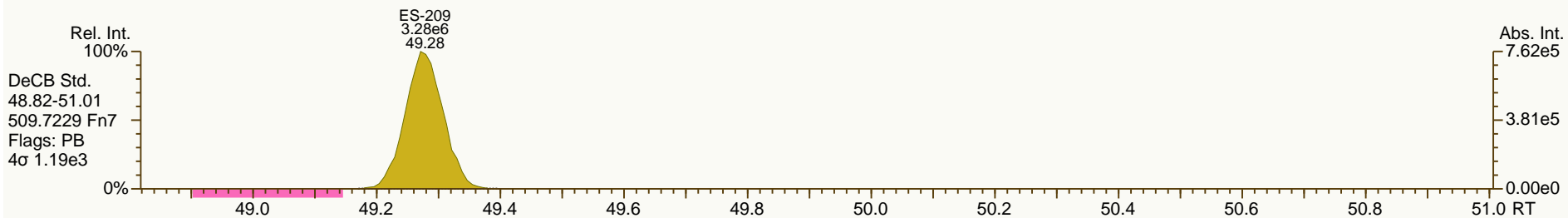
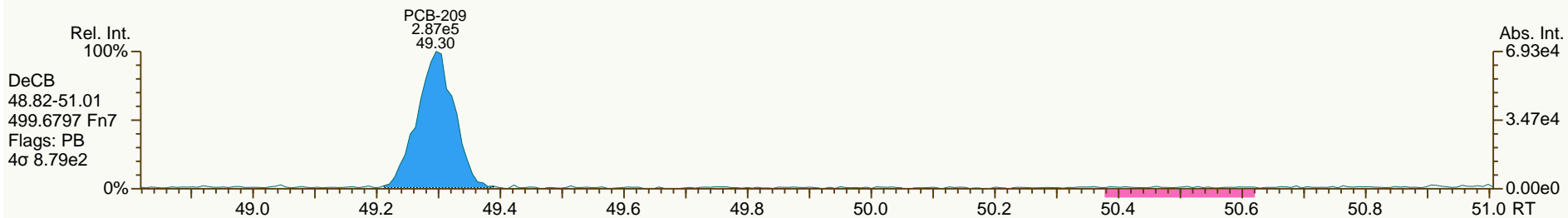
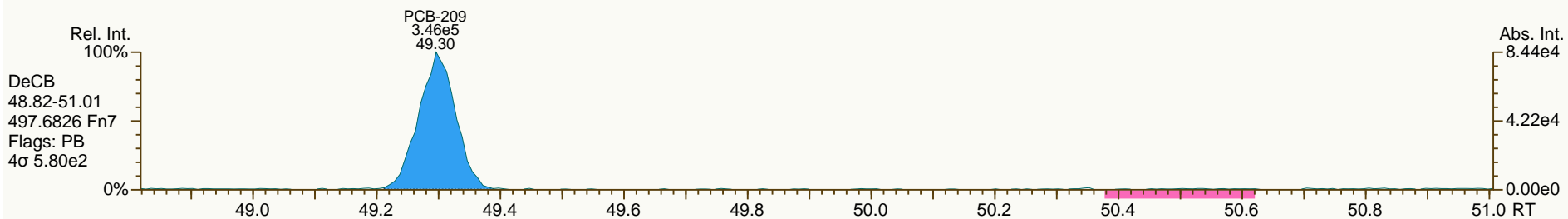
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AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

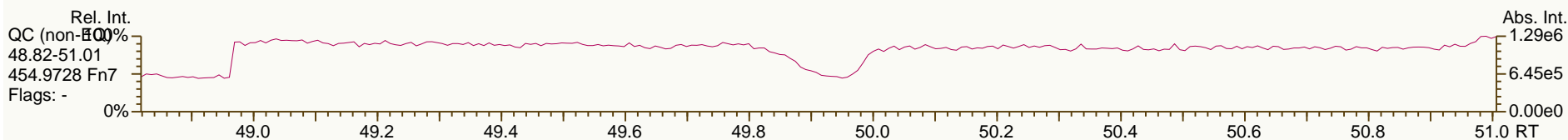
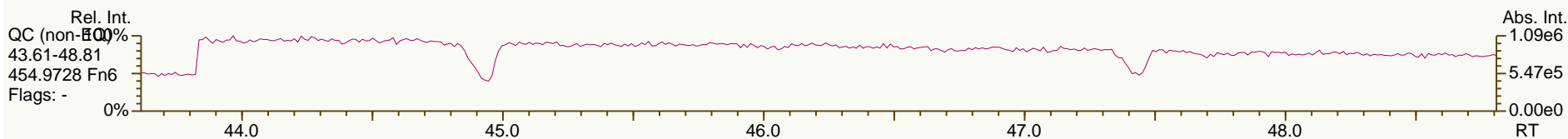
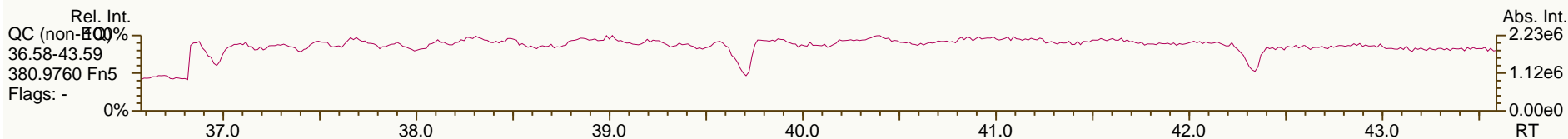
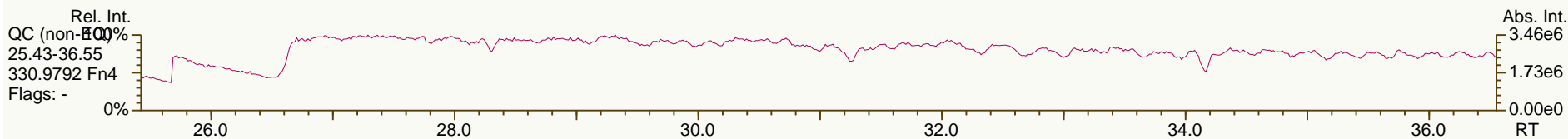
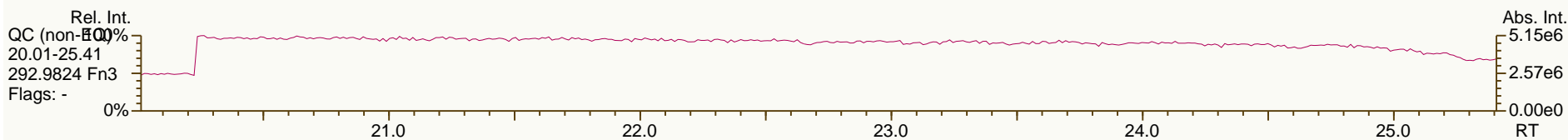
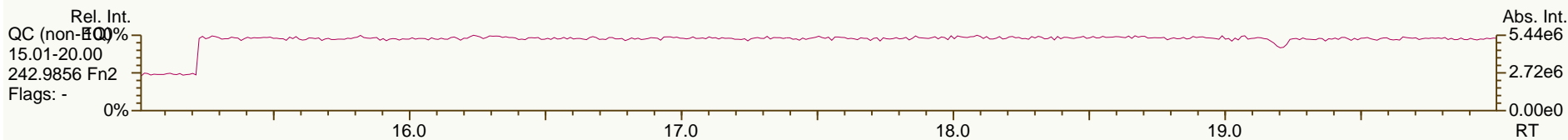
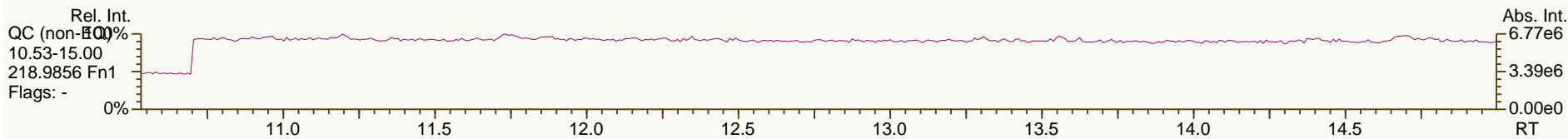
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AP Lab ID: A4373_9894_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS39-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

Acq: 03-Jul-2012 22:46:40
 User: CEM Datafile: 120703V21



Lab ID: A4373_9894_PCB_002
 Client ID: JW-EA10-SS43-120507
 Datafile: 120703V22

ACQ: 03-Jul-2012 23:41:03 CEM
 UTP: 04-Jul-2012 11:15 CEM
 RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 5.54 g
 J-level: 1.81 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 883-062-SLJ
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	7.43E+06	0.77	1.11	64.8	2.59E+04	2.21
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	2.59E+04	2.05
PCB-105 233'44'-PeCB	34.16		1.0007	1.0007	0	1.08E+08	0.63	1.05	1,850	5.95E+03	1.01
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	6.98E+06	0.63	1.15	88	5.95E+03	0.739
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	3.49E+08	0.63	1.04	4,580	5.95E+03	0.784
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0007	+0.2	5.19E+06	0.63	1.01	72.3	5.95E+03	0.832
PCB-126 33'44'5'-PeCB	36.77		1.0005	1.0003	-0.4	5.41E+05	0.61	1.06	6.09	4.90E+03	0.533
PCB-156/157 ...-HxCB	39.32	C	1.0005	1.0002	-0.7	4.97E+07	1.27	1.16	694	3.85E+03	0.725
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	1.49E+07	1.26	1.24	178	3.85E+03	0.463
PCB-169 33'44'55'-HxCB	42.03		1.0004	0.9995	-2.3	2.52E+05	1.14	1.19	4.02	3.85E+03	0.647
PCB-189 233'44'55'-HpCB	44.22		1.0004	1.0005	+0.3	2.09E+06	1.07	1.05	25.5	3.49E+03	0.433
PCB-209 DeCB	49.30		1.0004	1.0004	0	6.00E+06	1.19	1.09	187	1.84E+03	0.623
ES PCB-1	10.94		0.7216	0.7213	-0.2	3.05E+07	3.35	1.02	54.8 %	4%	100%
ES PCB-3	13.06		0.8614	0.8611	-0.2	3.02E+07	3.39	1.02	54.1 %	11%	106%
ES PCB-4	13.29		0.8767	0.8764	-0.2	1.98E+07	1.59	0.68	53.2 %	14%	107%
ES PCB-15	18.74		1.2346	1.2353	+0.8	4.79E+07	1.65	1.06	82.8 %	19%	107%
ES PCB-19	16.21		1.0683	1.0685	+0.2	2.02E+07	1.05	0.49	74.8 %	1%	108%
ES PCB-37	24.92		1.0817	1.0823	+0.9	4.06E+07	1.12	1.51	85.9 %	25%	123%
ES PCB-54	19.00		0.8258	0.8253	-0.6	2.54E+07	0.78	1.37	59.2 %	13%	105%
ES PCB-77	31.18		1.3528	1.3543	+2.8	3.74E+07	0.86	1.17	102 %	31%	109%
ES PCB-81	30.71		1.3325	1.3340	+2.8	4.03E+07	0.83	1.13	114 %	14%	127%
ES PCB-104	23.86		0.8252	0.8240	-1.7	2.87E+07	1.58	1.90	54.4 %	36%	115%
ES PCB-105	34.14		1.1796	1.1791	-1.0	1.99E+07	1.58	1.15	62.6 %	50%	111%
ES PCB-114	33.61		1.1611	1.1607	-0.8	2.48E+07	1.56	1.22	73.6 %	41%	121%
ES PCB-118	33.16		1.1454	1.1451	-0.6	2.64E+07	1.57	1.24	76.7 %	49%	111%
ES PCB-123	32.87		1.1358	1.1354	-0.8	2.57E+07	1.59	1.29	72 %	49%	116%
ES PCB-126	36.76		1.2698	1.2695	-0.7	3.04E+07	1.58	1.40	78.6 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8043	+0.5	3.20E+07	1.27	1.45	98.3 %	25%	124%
ES PCB-156/157	39.31		1.0982	1.0984	+0.5	4.45E+07	1.24	0.94	105 %	40%	120%
ES PCB-167	38.34		1.0711	1.0713	+0.5	2.43E+07	1.27	0.93	116 %	45%	118%
ES PCB-169	42.05		1.1746	1.1751	+1.3	1.91E+07	1.29	0.88	96.9 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7307	-1.0	2.61E+07	1.00	1.52	76.4 %	23%	125%
ES PCB-189	44.20		0.9611	0.9610	-0.3	2.81E+07	1.06	2.05	96.7 %	47%	116%
ES PCB-202	38.14		0.8297	0.8292	-1.1	2.34E+07	0.87	1.21	86 %	31%	134%
ES PCB-205	46.40		1.0088	1.0088	0	1.46E+07	0.90	1.28	80 %	46%	115%
ES PCB-206	47.90		1.0412	1.0414	+0.6	1.18E+07	0.82	1.12	74 %	38%	122%
ES PCB-208	43.80		0.9525	0.9523	-0.5	1.85E+07	0.79	1.46	89.1 %	31%	126%
ES PCB-209	49.28		1.0713	1.0714	+0.3	1.07E+07	1.20	1.16	64.7 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.43		0.9310	0.9308	-0.3	4.61E+07	1.12	1.09	104 %	14%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0785	-0.7	2.92E+07	1.53	0.93	122 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0108	0	1.99E+07	1.07	0.63	122 %	57%	125%
CS PCB-28	21.43		0.9310	0.9308	-0.3	4.61E+07	1.12	1.64	89.8 %	14%	131%
CS PCB-111	31.23		1.0789	1.0785	-0.7	2.92E+07	1.53	1.20	87.6 %	57%	112%
CS PCB-178	36.18		1.0108	1.0108	0	1.99E+07	1.07	0.95	93.3 %	57%	125%
JS PCB-9	15.17					5.45E+07	1.64				
JS PCB-52	23.02					3.13E+07	0.79				
JS PCB-101	28.95					2.77E+07	1.55				
JS PCB-138	35.79					2.25E+07	1.29				
JS PCB-194	45.99					1.42E+07	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			59.5		59.5		0.88	
			Di-CBs			321		323		2.34	
			Tri-CBs			1,120		1,120		0.924	
			Tetra-CBs			9,210		9,210		1.21	
			Penta-CBs			29,900		29,900		0.687	
			Hexa-CBs			19,000		19,000		0.503	
			Hepta-CBs			3,810		3,810		0.432	
			Octa-CBs			1,680		1,680		0.388	
			Nona-CBs			1,190		1,190		1.43	
PCB-1 2-MoCB	10.95		1.0011	1.0011	0	1.84E+06	3.03	1.00	21.9	1.17E+04	0.772
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	1.31E+06	3.01	1.31	12	1.17E+04	0.726
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	2.07E+06	3.07	0.96	25.7	1.17E+04	0.989
PCB-4 22'-DiCB	13.31		1.0011	1.0011	0	8.81E+05	1.47	0.82	19.5	2.03E+04	3.08
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.03E+04	1.72
PCB-9 25'-DiCB	15.19		1.0010	1.0011	+0.1	4.09E+05	1.41	0.95	3.24	2.38E+04	1.6
PCB-7 24'-DiCB	15.34	EMPC	1.0113	1.0115	+0.2	3.30E+05	1.28	1.10	2.26	2.38E+04	1.38
PCB-6 23'-DiCB	15.55		1.0252	1.0252	0	1.54E+06	1.52	1.03	11.3	2.38E+04	1.48
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.38E+04	1.46
PCB-8 24'-DiCB	15.95		1.0517	1.0517	0	7.02E+06	1.50	1.04	50.8	2.38E+04	1.46
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.38E+04	1.22
PCB-11 33'-DiCB	18.20		0.9713	0.9712	-0.1	2.37E+07	1.56	1.06	168	2.38E+04	1.43
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9854	-0.8	1.30E+06	1.50	1.07	9.12	2.38E+04	1.41
PCB-15 44'-DiCB	18.75		1.0008	1.0009	+0.1	7.38E+06	1.51	0.95	58.4	2.38E+04	1.59
PCB-19 22'6-TrCB	16.22		1.0011	1.0009	-0.2	4.87E+05	0.93	0.92	9.46	6.78E+03	1.01
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1060	+0.6	7.57E+06	1.03	1.27	107	6.78E+03	0.731
PCB-17 22'4-TrCB	18.30		1.1291	1.1294	+0.3	3.00E+06	1.03	1.07	50.1	6.78E+03	0.866
PCB-27 23'6-TrCB	18.49		1.1406	1.1409	+0.3	8.92E+05	1.05	1.46	10.9	6.78E+03	0.633
PCB-24 236-TrCB	18.61	J	1.1484	1.1485	+0.1	1.11E+05	1.20	1.41	1.41	6.78E+03	0.659
PCB-16 22'3-TrCB	18.71		1.1537	1.1542	+0.6	2.00E+06	1.01	0.82	43.9	6.78E+03	1.14

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1832	+0.6	4.07E+06	1.06	1.52	47.8	6.78E+03	0.609
PCB-34 23'5'-TrCB	20.30	J	0.8155	0.8147	-1.0	2.37E+05	1.10	1.39	1.51	1.11E+04	0.647
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.11E+04	0.626
PCB-26/29 23'5'/245-TrCB	20.70	C	0.8324	0.8308	-2.0	7.26E+06	1.08	1.43	45	1.11E+04	0.628
PCB-25 23'4-TrCB	20.91		0.8401	0.8393	-1.0	3.29E+06	1.06	1.44	20.3	1.11E+04	0.625
PCB-31 24'5-TrCB	21.18		0.8509	0.8502	-0.9	3.69E+07	1.05	1.47	223	1.11E+04	0.612
PCB-28/20 244'/233'-TrCB	21.45	C	0.8618	0.8608	-1.3	4.30E+07	1.06	1.42	270	1.11E+04	0.636
PCB-21/33 234/23'4'-TrCB	21.65	C	0.8687	0.8690	+0.4	1.64E+07	1.08	1.44	101	1.11E+04	0.626
PCB-22 234'-TrCB	22.00		0.8834	0.8828	-0.8	1.16E+07	1.06	1.33	77.2	1.11E+04	0.677
PCB-36 33'5-TrCB	23.36		0.9382	0.9377	-0.7	4.13E+05	1.02	1.49	2.47	1.11E+04	0.607
PCB-39 34'5-TrCB	23.71		0.9506	0.9517	+1.6	3.94E+05	1.11	1.54	2.28	1.11E+04	0.586
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.11E+04	0.655
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.11E+04	0.663
PCB-37 344'-TrCB	24.94		1.0008	1.0008	0	1.31E+07	1.06	1.07	109	1.11E+04	0.84
PCB-54 22'66'-TeCB	19.02	J EMPC	1.0010	1.0010	0	3.87E+04	0.93	1.04	0.528	3.62E+03	0.416
PCB-50/53 22'46/22'56'-TeCB	20.93	C	0.9106	0.9092	-1.8	3.97E+06	0.75	0.60	59.2	4.56E+03	0.678
PCB-45 22'36-TeCB	21.52		0.9351	0.9349	-0.3	1.93E+06	0.81	0.53	32.6	4.56E+03	0.769
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	6.70E+05	0.81	0.59	10.2	4.56E+03	0.691
PCB-46 22'36'-TeCB	21.79		0.9469	0.9466	-0.4	7.84E+05	0.75	0.49	14.2	4.56E+03	0.824
PCB-52 22'55'-TeCB	23.04		1.0010	1.0010	0	1.71E+08	0.77	0.59	2,580	4.56E+03	0.687
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.56E+03	0.531
PCB-43 22'35-TeCB	23.26		1.0101	1.0103	+0.3	6.82E+05	0.76	0.53	11.5	4.56E+03	0.767
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	4.67E+07	0.77	0.72	578	4.56E+03	0.563
PCB-48 22'45-TeCB	23.73		1.0304	1.0306	+0.3	4.38E+06	0.76	0.60	65.6	4.56E+03	0.682
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0384	-1.7	7.37E+07	0.77	0.64	1,030	4.56E+03	0.637
PCB-59/62/75 ...-TeCB	24.21	C	1.0514	1.0515	+0.1	2.83E+06	0.79	0.81	31.3	4.56E+03	0.503
PCB-42 22'34'-TeCB	24.37		1.0582	1.0585	+0.4	7.56E+06	0.75	0.55	124	4.56E+03	0.746
PCB-41 22'34-TeCB	24.69		1.0722	1.0725	+0.4	1.34E+06	0.73	0.51	23.4	4.56E+03	0.796
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0770	+0.9	2.01E+07	0.76	0.60	298	4.56E+03	0.675
PCB-64 234'6-TeCB	24.99		1.0850	1.0856	+0.9	3.17E+07	0.77	0.86	329	4.56E+03	0.473
PCB-72 23'55'-TeCB	25.75		0.8379	0.8385	+0.9	1.20E+06	0.77	1.24	8.64	2.59E+04	1.87
PCB-68 23'45'-TeCB	26.02		0.8461	0.8474	+2.0	5.74E+05	0.87	1.31	3.91	2.59E+04	1.77
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.59E+04	1.97
PCB-58 233'5'-TeCB	26.53		0.8642	0.8639	-0.5	6.43E+06	0.78	1.21	47.6	2.59E+04	1.92
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	2.59E+04	1.84
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.59E+04	1.82
PCB-61/70/74/76 ...-TeCB	27.29	C	0.8856	0.8887	+5.1	3.44E+08	0.78	1.21	2,550	2.59E+04	1.92
PCB-66 23'44'-TeCB	27.54		0.8947	0.8967	+3.3	1.08E+08	0.78	1.12	861	2.59E+04	2.07
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	2.59E+04	1.96
PCB-56 233'4'-TeCB	28.08		0.9132	0.9142	+1.7	3.96E+07	0.78	1.12	317	2.59E+04	2.08
PCB-60 2344'-TeCB	28.26		0.9193	0.9202	+1.5	1.72E+07	0.78	1.17	132	2.59E+04	1.98
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.59E+04	1.76
PCB-79 33'45'-TeCB	29.89		0.9730	0.9732	+0.4	5.34E+06	0.76	1.34	35.6	2.59E+04	1.73
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.59E+04	2.14
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.96E+03	0.225
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	1.27E+06	0.64	0.97	16.5	1.96E+03	0.235
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8952	+0.9	8.04E+05	0.62	0.87	13	5.95E+03	0.964
PCB-94 22'356'-PeCB	26.11		0.9008	0.9019	+1.7	4.27E+05	0.63	0.76	7.95	5.95E+03	1.11

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.53		0.9137	0.9164	+4.3	9.99E+07	0.64	0.80	1,750	5.95E+03	1.04
PCB-100/93 22'44'6/22'356-PeCB	26.78	C	0.9210	0.9247	+5.9	5.10E+05	0.63	0.81	8.88	5.95E+03	1.04
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	5.95E+03	0.927
PCB-98 22'34'6'-PeCB	26.90		0.9270	0.9291	+3.4	5.18E+06	0.63	0.76	96.4	5.95E+03	1.11
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.95E+03	1.12
PCB-91 22'34'6-PeCB	27.28		0.9394	0.9421	+4.4	3.15E+07	0.63	0.87	508	5.95E+03	0.964
PCB-84 22'33'6-PeCB	27.44		0.9457	0.9478	+3.5	5.97E+07	0.64	0.70	1,200	5.95E+03	1.2
PCB-89 22'346'-PeCB	27.83		0.9599	0.9611	+2.0	1.51E+06	0.63	0.73	29.1	5.95E+03	1.15
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.95E+03	0.762
PCB-92 22'355'-PeCB	28.48		0.9834	0.9837	+0.5	4.82E+07	0.63	0.77	885	5.95E+03	1.1
PCB-113/90/101 ...-PeCB	28.98	C	0.9998	1.0008	+1.7	3.14E+08	0.63	0.91	4,850	5.95E+03	0.925
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.18E+07	0.62	0.68	246	5.95E+03	1.24
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0178	-0.4	1.36E+08	0.63	0.82	2,320	5.95E+03	1.02
PCB-112 233'56-PeCB	29.59	EMPC	1.0213	1.0219	+1.1	1.96E+05	0.71	1.07	2.58	5.95E+03	0.784
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0337	+1.3	2.15E+08	0.63	0.90	3,350	5.95E+03	0.933
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	5.95E+03	0.849
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0531	-1.8	5.64E+07	0.62	0.92	860	5.95E+03	0.912
PCB-110 233'4'6-PeCB	30.63		1.0584	1.0580	-0.7	4.22E+08	0.63	0.98	6,050	5.95E+03	0.856
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.95E+03	0.803
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0671	-1.1	2.51E+07	0.64	0.64	550	5.95E+03	1.31
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	5.95E+03	0.819
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.95E+03	0.767
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9915	+0.4	1.31E+07	0.63	0.95	193	5.95E+03	0.88
PCB-109 233'46-PeCB	32.80		0.9975	0.9977	+0.4	2.28E+07	0.63	1.05	305	5.95E+03	0.8
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.95E+03	0.925
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	3.29E+06	0.61	1.01	47.4	5.95E+03	0.843
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.95E+03	1.14
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.175
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	3.33E+05	1.18	1.03	3.63	1.75E+03	0.175
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0107	-0.3	3.04E+05	1.34	1.01	3.4	1.75E+03	0.18
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0207	-0.4	3.89E+07	1.26	0.96	458	1.75E+03	0.189
PCB-145 22'3466'-HxCB	29.65	J EMPC	1.0303	1.0301	-0.4	1.41E+05	1.02	0.97	1.64	1.75E+03	0.186
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0745	-0.9	1.56E+05	1.13	0.73	2.41	1.75E+03	0.248
PCB-151/135 ...-HxCB	31.43	C	1.0926	1.0920	-1.1	6.24E+07	1.24	0.71	996	1.75E+03	0.256
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.75E+03	0.222
PCB-144 22'345'6-HxCB	31.90		1.1089	1.1084	-1.0	1.04E+07	1.24	0.72	164	1.75E+03	0.252
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1186	-1.4	1.80E+08	1.24	0.74	2,750	1.75E+03	0.246
PCB-134 22'33'56-HxCB	32.37		1.1251	1.1247	-0.8	1.42E+07	1.22	0.63	255	1.75E+03	0.289
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.75E+03	0.269
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1365	-1.4	5.78E+06	1.24	0.70	92.9	1.75E+03	0.258
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1424	-0.8	4.11E+06	1.26	0.62	74.9	1.75E+03	0.293
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.293
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1554	-1.0	8.68E+07	1.25	0.63	1,550	1.75E+03	0.288
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1705	-1.0	3.05E+06	1.22	0.68	50.8	1.75E+03	0.268
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.221
PCB-146 22'34'55'-HxCB	34.24		0.9569	0.9568	-0.2	3.25E+07	1.24	0.72	509	1.75E+03	0.252
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.198
PCB-153/168 ...-HxCB	34.76	C	0.9720	0.9714	-1.3	2.37E+08	1.24	0.85	3,160	1.75E+03	0.214

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	3.98E+07	1.25	0.68	660	1.75E+03	0.266
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	1.66E+07	1.26	0.60	311	1.75E+03	0.302
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9907	-0.2	1.62E+07	1.24	0.64	287	1.75E+03	0.285
PCB-164 233'4'5'6'-HxCB	35.54		0.9931	0.9932	+0.2	2.06E+07	1.25	0.91	256	1.75E+03	0.199
PCB-163/138/129 ...-HxCB	35.81	C	1.0011	1.0007	-0.9	3.16E+08	1.24	0.71	5,050	1.75E+03	0.256
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.216
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	4.29E+07	1.24	0.89	544	1.75E+03	0.203
PCB-128/166 ...-HxCB	36.87	C	0.9619	0.9618	-0.2	5.54E+07	1.27	0.93	888	3.85E+03	0.62
PCB-159 233'455'-HxCB	37.68		0.9838	0.9827	-2.5	1.41E+06	1.25	1.15	18.2	3.85E+03	0.5
PCB-162 233'4'55'-HxCB	37.95		0.9900	0.9900	0	1.16E+06	1.23	1.08	16	3.85E+03	0.533
PCB-188 22'34'566'-HpCB	33.63	J	1.0006	1.0006	0	4.44E+04	1.13	0.94	0.65	1.48E+03	0.22
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.20E+07	1.02	0.93	180	1.48E+03	0.224
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.48E+03	0.216
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	4.20E+06	1.05	1.04	55.7	1.48E+03	0.198
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.48E+03	0.209
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0771	+0.4	4.53E+06	1.03	0.72	87.1	1.48E+03	0.288
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0932	+0.7	1.07E+06	1.02	0.74	20.1	2.86E+03	0.544
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.76E+07	1.04	0.80	480	2.86E+03	0.504
PCB-182 22'344'56'-HpCB	37.14		1.1050	1.1051	+0.2	1.82E+05	1.10	0.82	3.09	2.86E+03	0.491
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	1.63E+07	1.04	0.82	277	2.86E+03	0.492
PCB-185 22'3455'6'-HpCB	37.56		1.1174	1.1177	+0.7	2.30E+06	1.04	0.78	40.9	2.86E+03	0.517
PCB-174 22'33'456'-HpCB	37.67		1.1207	1.1210	+0.7	2.42E+07	1.04	0.72	462	2.86E+03	0.554
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1321	+0.5	1.32E+07	1.05	0.62	295	2.86E+03	0.647
PCB-181 22'344'56'-HpCB	38.40		1.1422	1.1425	+0.7	5.11E+05	1.06	0.78	9.04	2.86E+03	0.513
PCB-171/173 ...-HpCB	38.58	C	1.1474	1.1480	+1.4	8.36E+06	1.05	0.67	173	2.86E+03	0.599
PCB-172 22'33'455'-HpCB	39.95		0.9042	0.9039	-0.7	4.24E+06	1.08	0.71	77.4	2.86E+03	0.531
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.86E+03	0.384
PCB-180/193 ...-HpCB	40.51	C	0.9160	0.9165	+1.2	6.26E+07	1.04	0.82	981	2.86E+03	0.456
PCB-191 233'44'5'6'-HpCB	40.81		0.9234	0.9232	-0.5	1.50E+06	1.13	0.99	19.6	2.86E+03	0.379
PCB-170 22'33'44'5'-HpCB	41.57		0.9406	0.9404	-0.5	2.77E+07	1.04	0.67	529	2.86E+03	0.555
PCB-190 233'44'56'-HpCB	42.02		0.9509	0.9507	-0.5	6.32E+06	1.06	0.88	91.9	2.86E+03	0.423
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0006	0	7.04E+06	0.91	0.86	127	1.96E+03	0.346
PCB-201 22'33'45'66'-OoCB	38.94		1.0211	1.0211	0	2.89E+06	0.89	1.05	42.3	1.96E+03	0.282
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.96E+03	0.315
PCB-197 22'33'44'66'-OoCB	39.69		1.0412	1.0408	-1.0	1.91E+05	0.94	1.07	2.75	1.96E+03	0.278
PCB-200 22'33'4566'-OoCB	39.79		1.0433	1.0433	0	2.53E+06	0.85	0.97	40	1.96E+03	0.305
PCB-198/199 ...-OoCB	42.17	C	1.1049	1.1058	+2.3	2.27E+07	0.91	0.62	563	1.96E+03	0.478
PCB-196 22'33'44'56'-OoCB	42.73		1.1201	1.1204	+0.8	5.86E+06	0.85	0.63	144	1.96E+03	0.472
PCB-203 22'344'55'6'-OoCB	42.90		1.1245	1.1249	+1.0	1.45E+07	0.89	0.68	330	1.96E+03	0.44
PCB-195 22'33'44'56'-OoCB	44.02		0.9489	0.9487	-0.5	3.05E+06	0.90	0.87	86.6	1.99E+03	0.591
PCB-194 22'33'44'55'-OoCB	46.01		0.9917	0.9917	0	1.12E+07	0.90	0.84	331	1.99E+03	0.617
PCB-205 233'44'55'6'-OoCB	46.42		1.0004	1.0004	0	4.68E+05	0.86	1.20	9.67	1.99E+03	0.43
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	1.44E+07	0.77	1.01	280	5.11E+03	1.06
PCB-207 22'33'44'566'-NoCB	44.61		1.0186	1.0186	0	3.93E+06	0.76	1.00	76.8	5.11E+03	1.06
PCB-206 22'33'44'55'6'-NoCB	47.91		1.0004	1.0004	0	2.58E+07	0.78	0.95	829	5.11E+03	1.79

AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

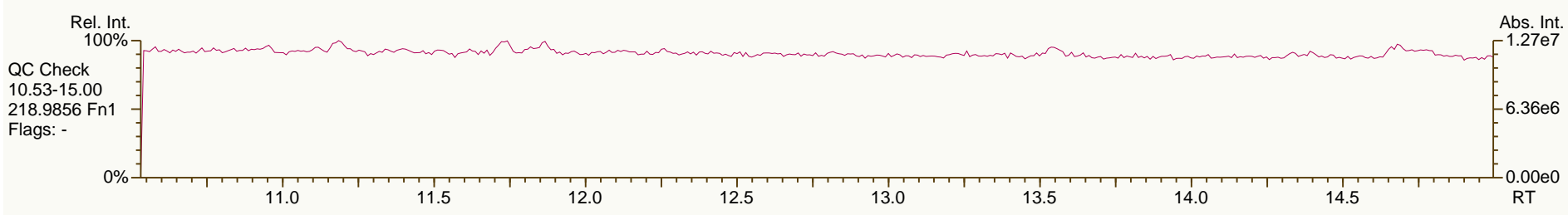
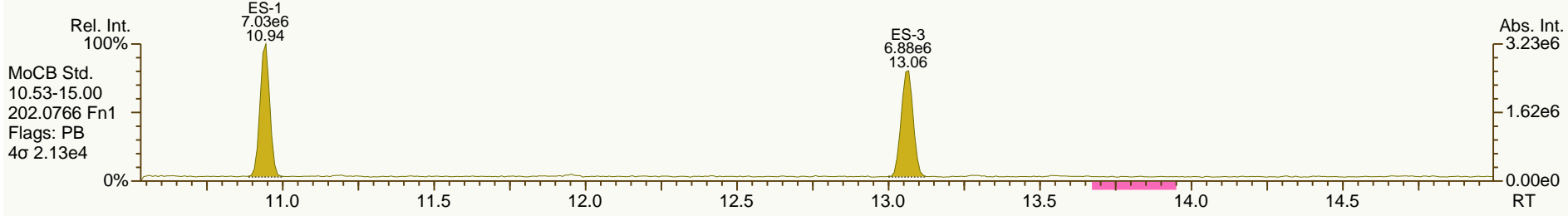
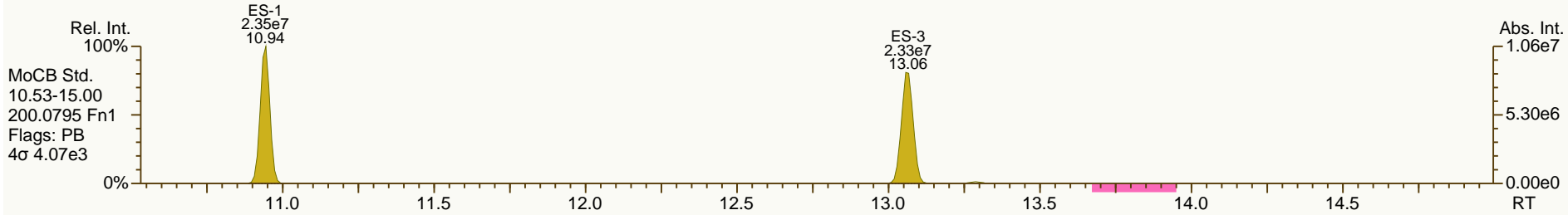
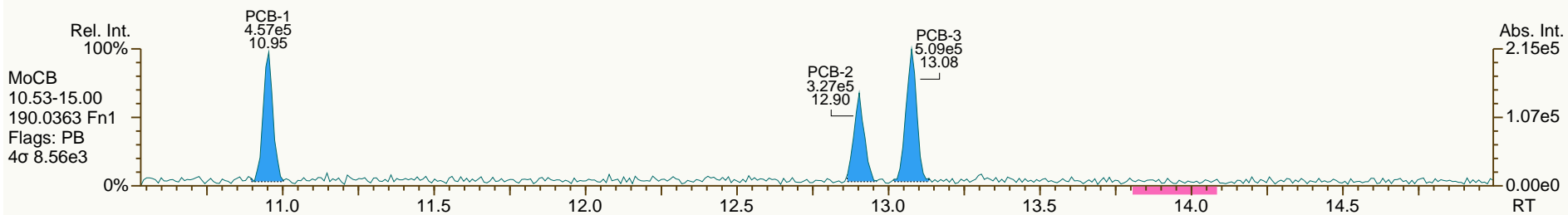
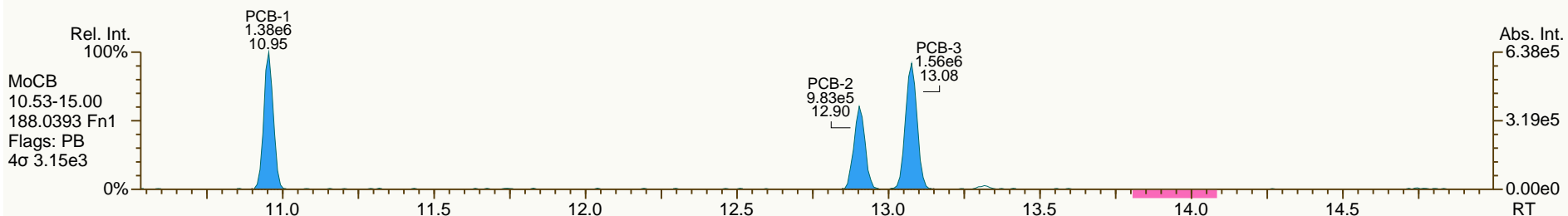
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

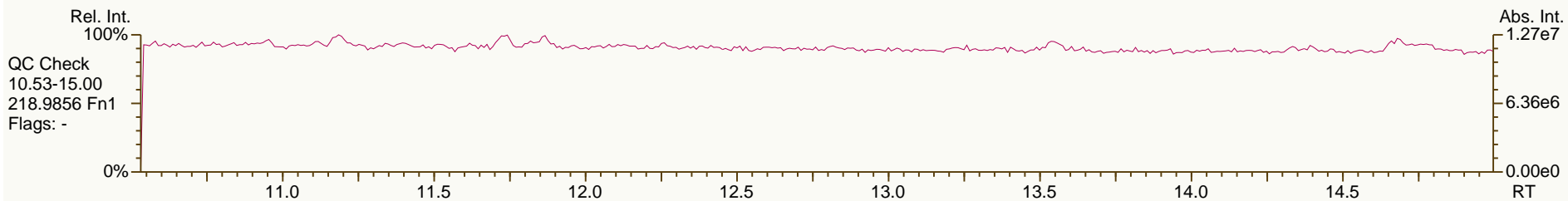
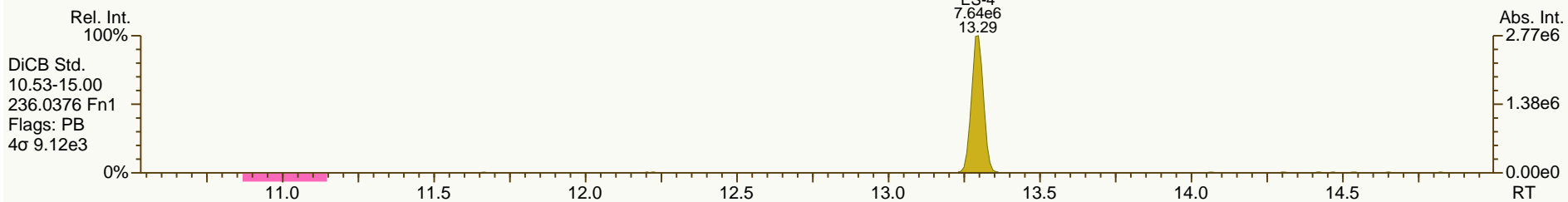
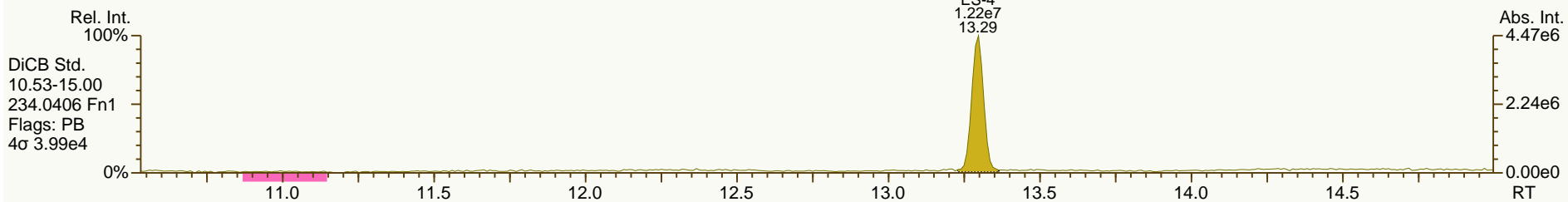
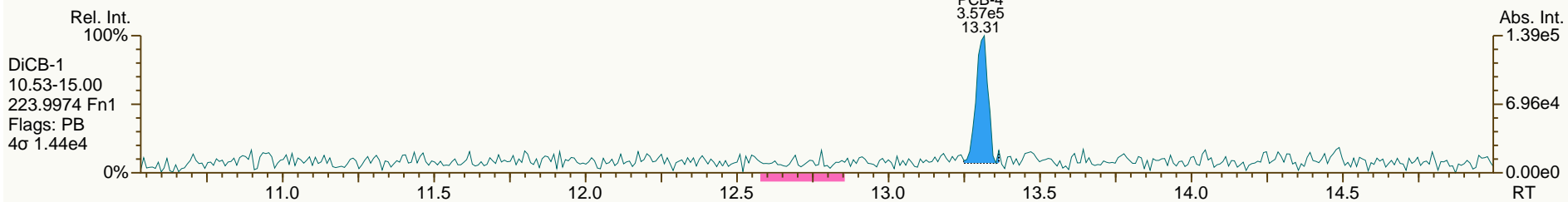
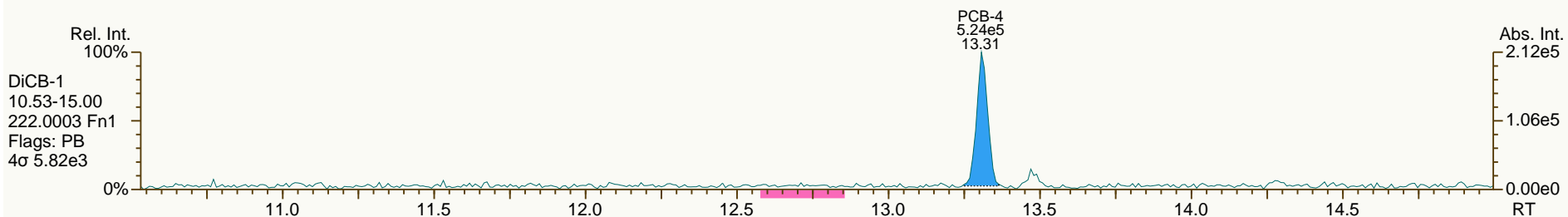
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

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AP Lab ID: A4373_9894_PCB_002
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Sample ID: JW-EA10-SS43-120507
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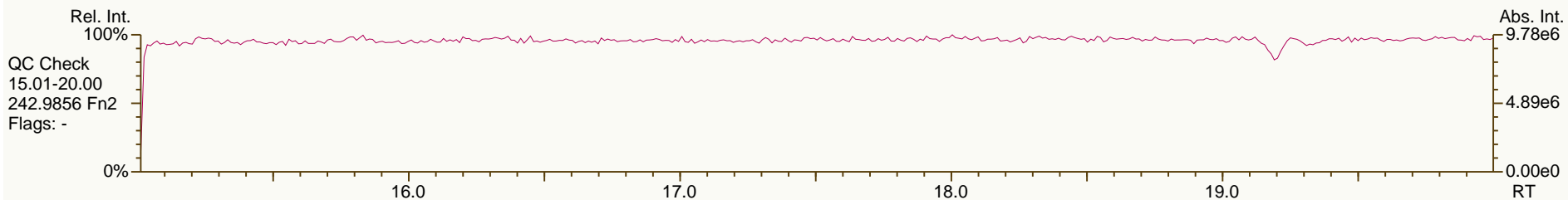
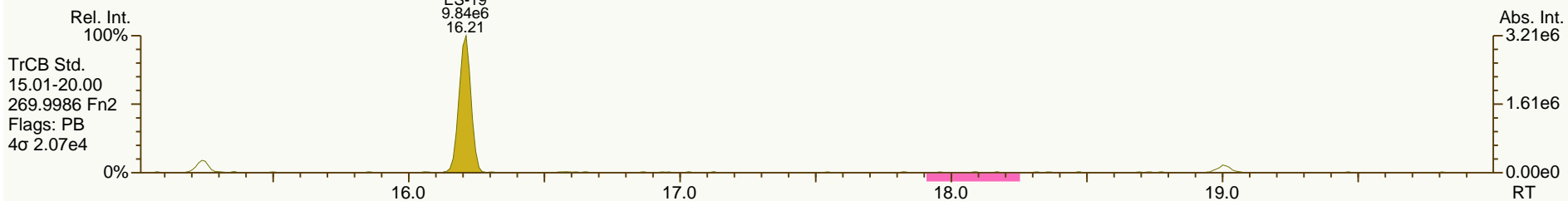
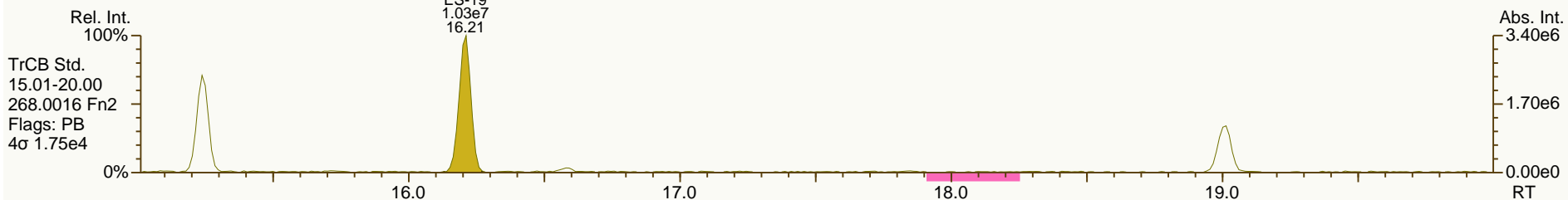
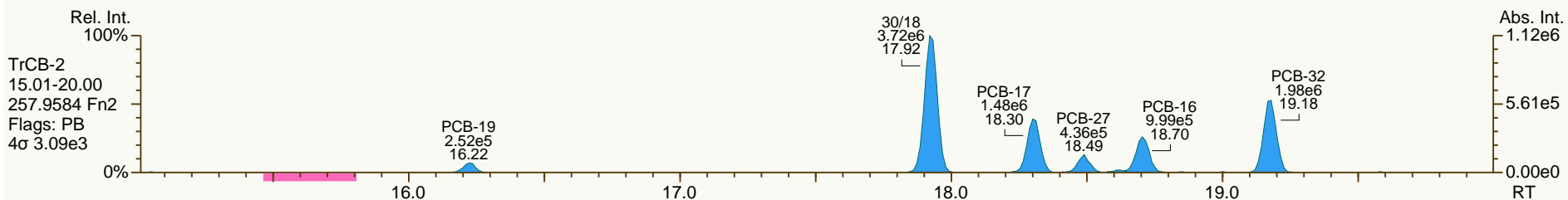
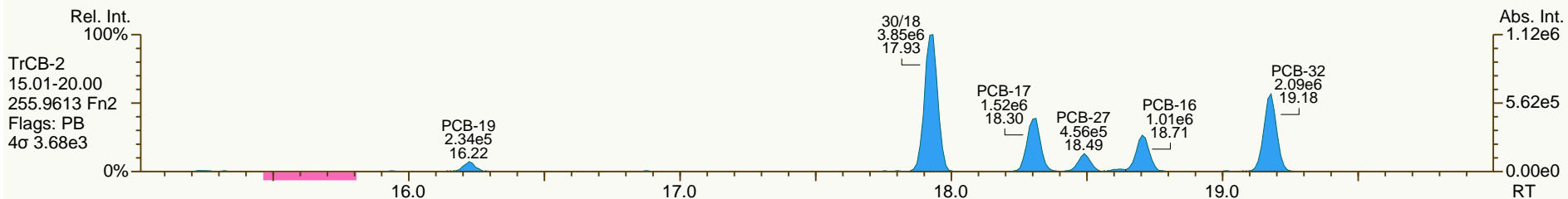
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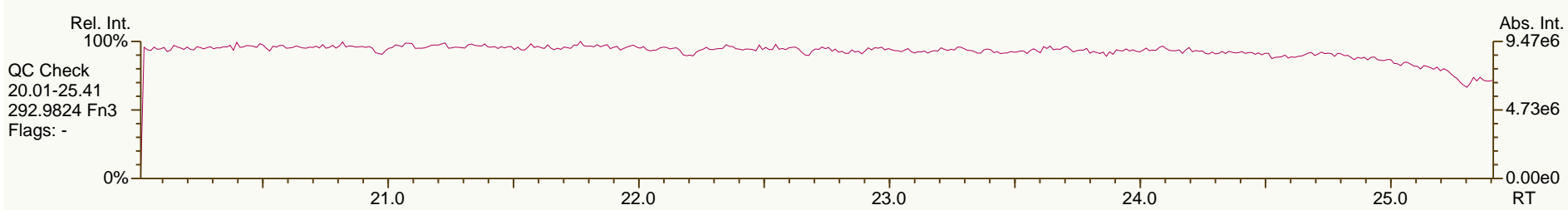
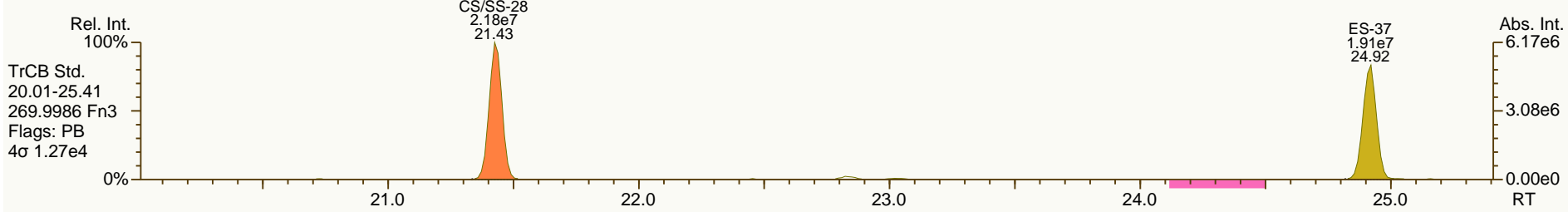
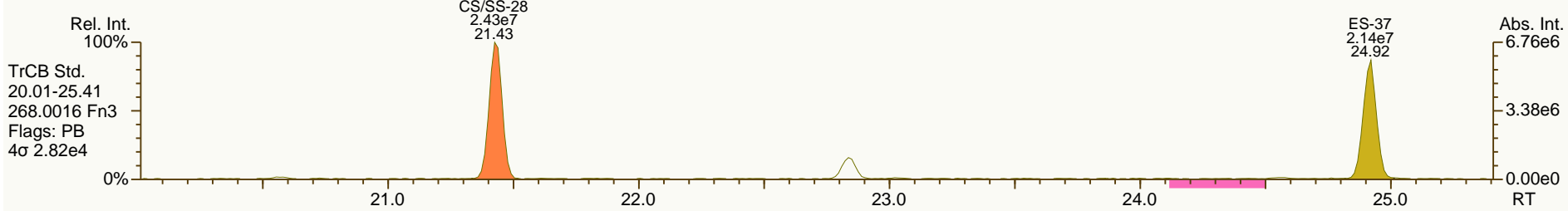
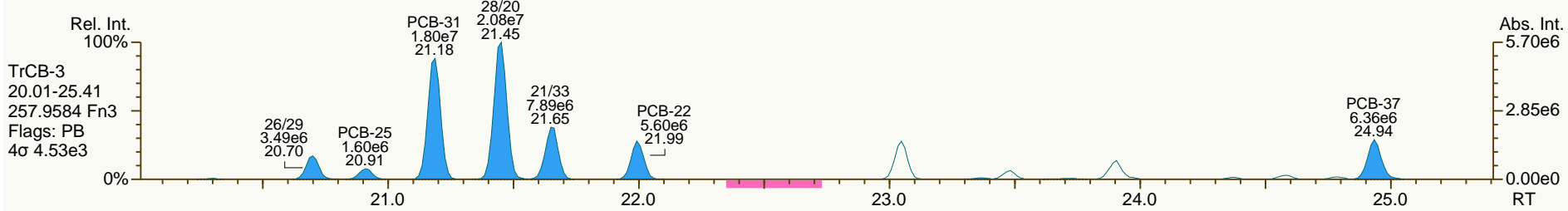
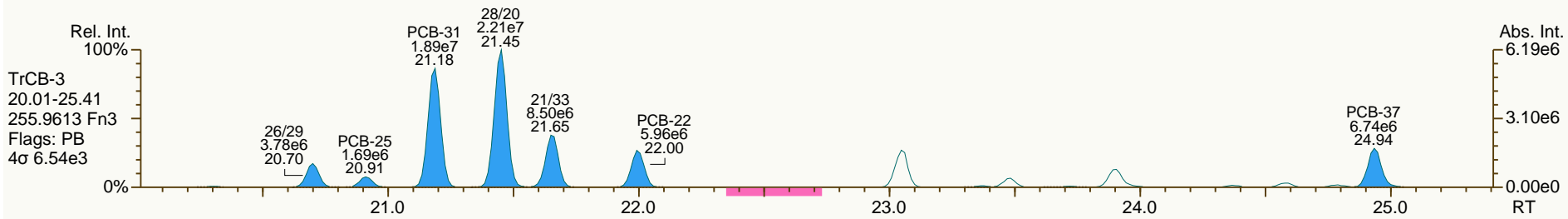
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AP Lab ID: A4373_9894_PCB_002
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Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

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AP Lab ID: A4373_9894_PCB_002
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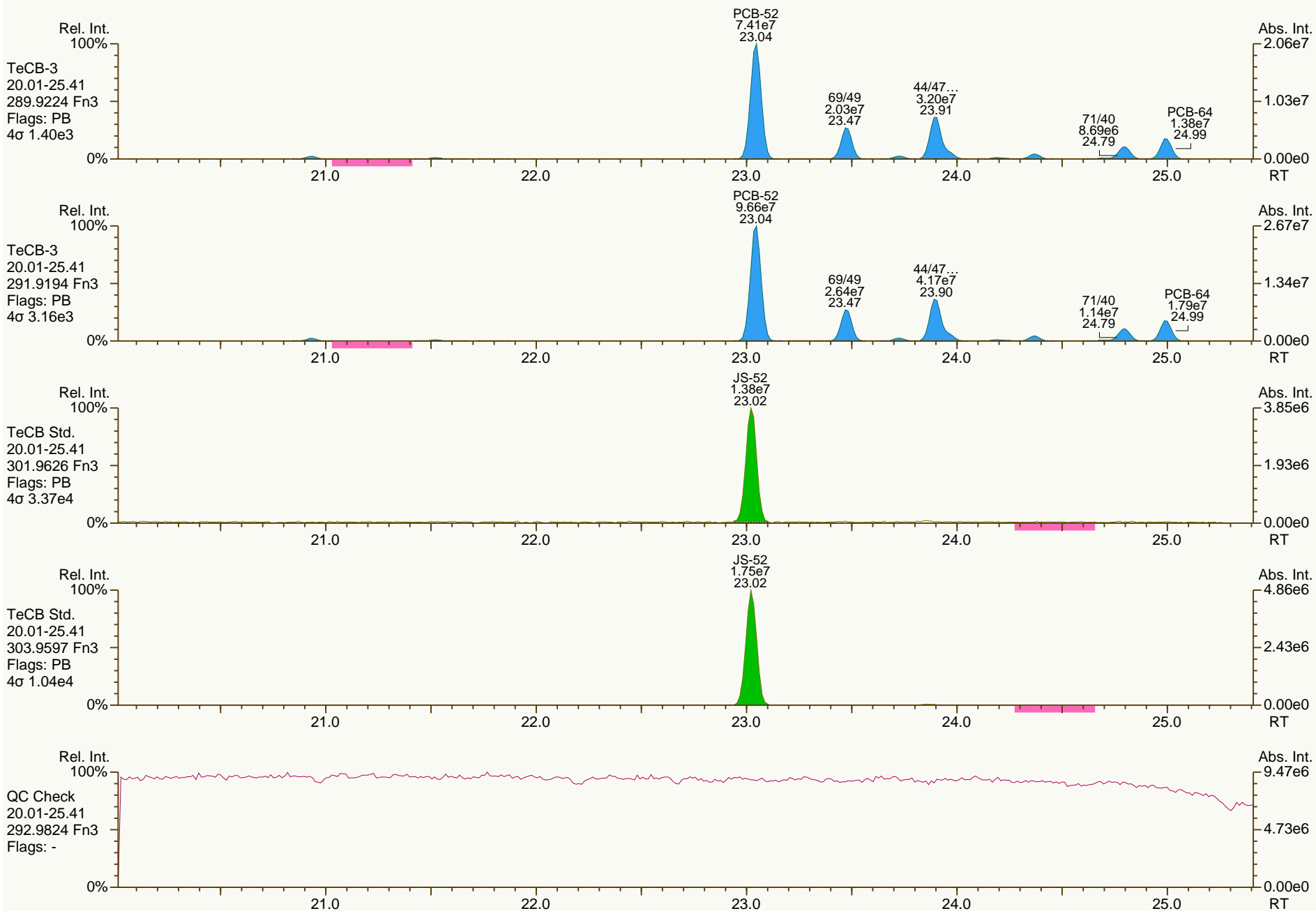
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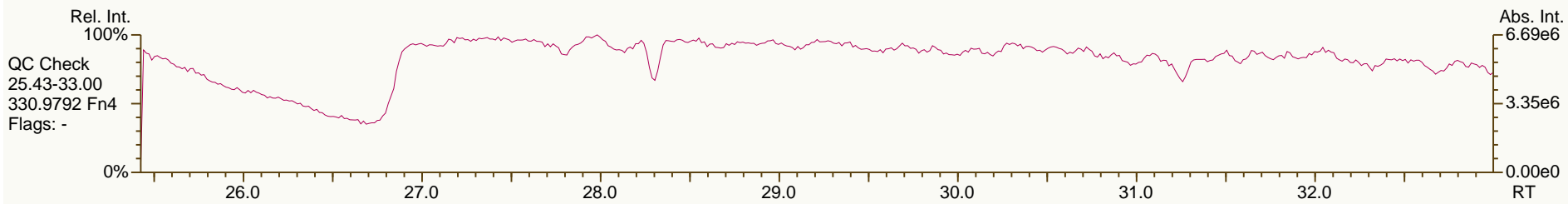
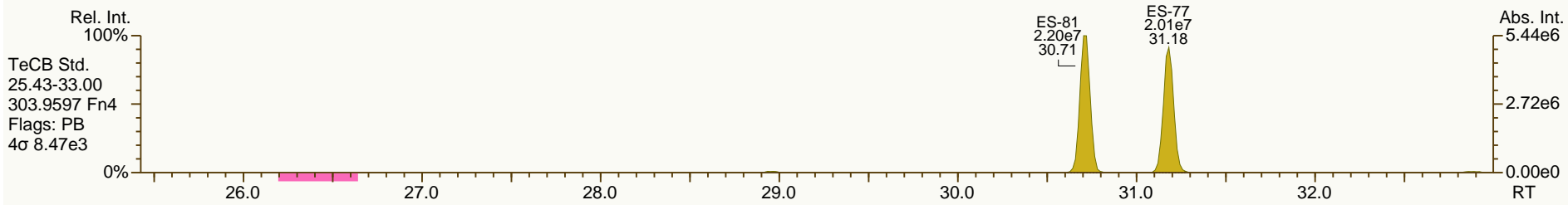
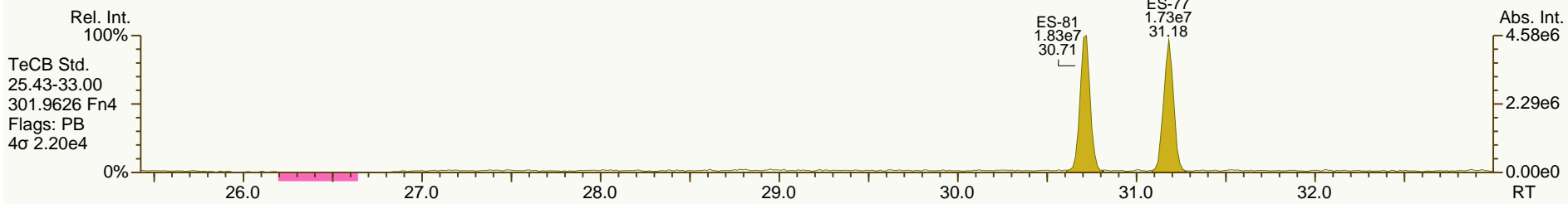
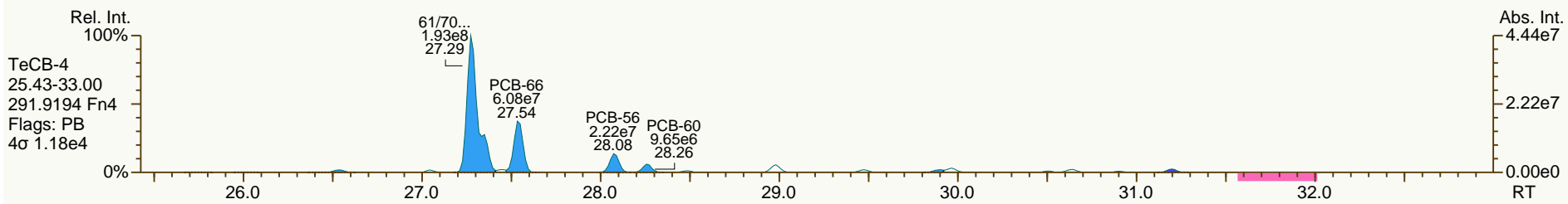
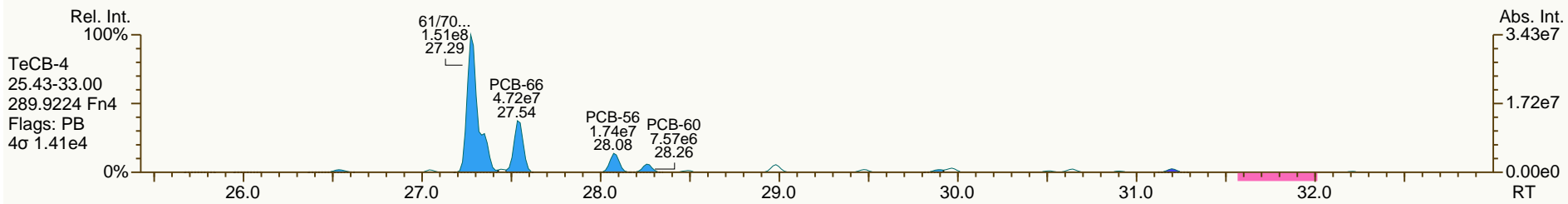
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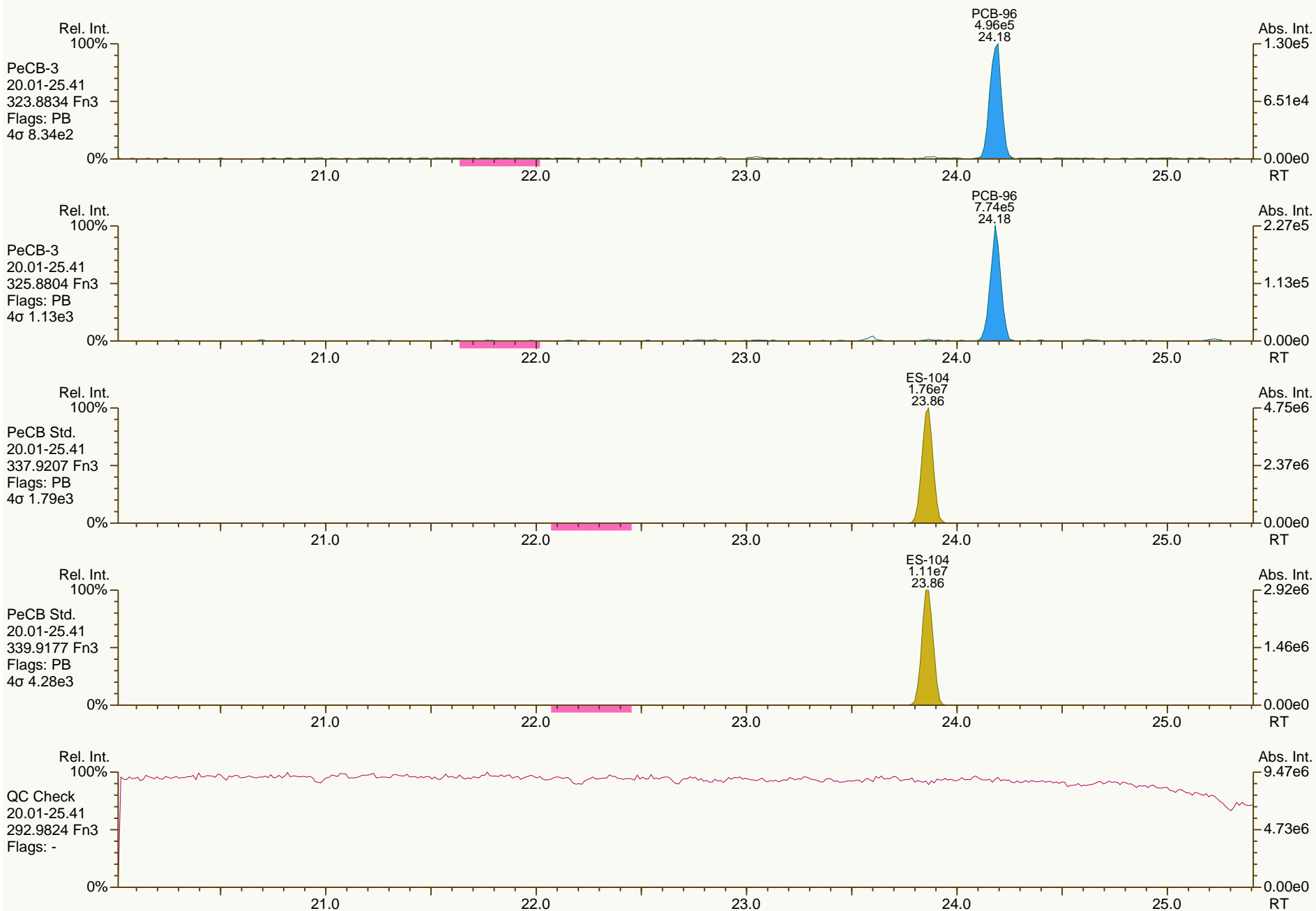
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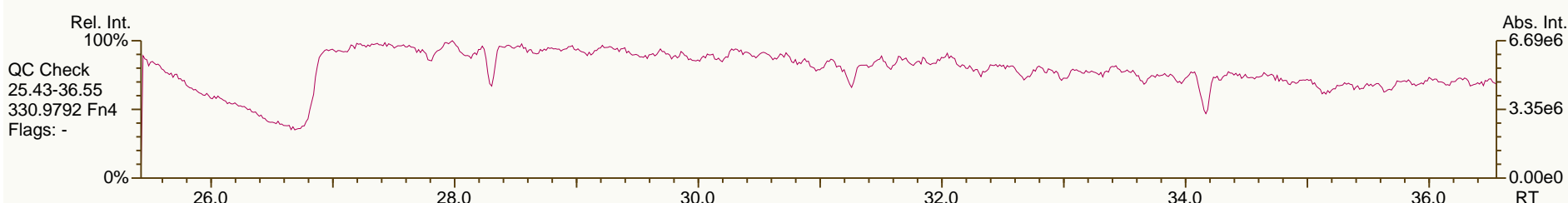
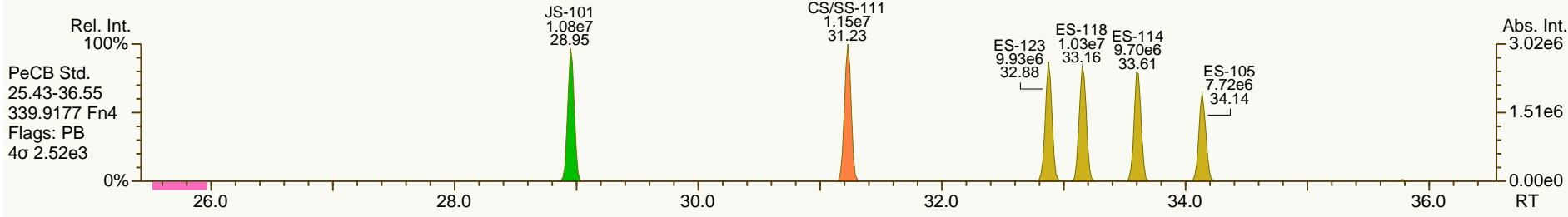
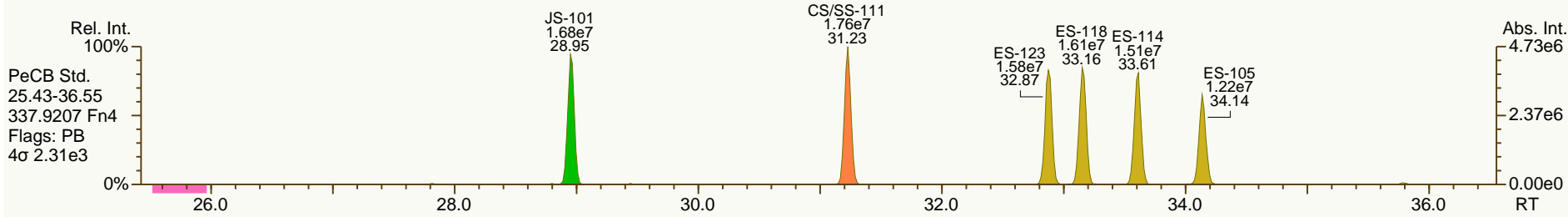
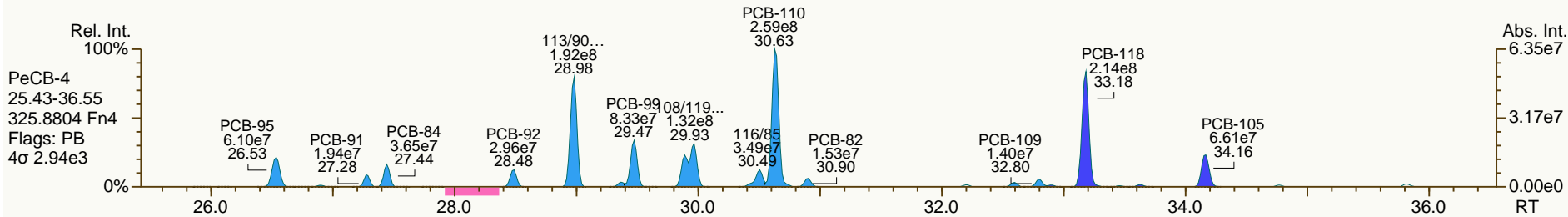
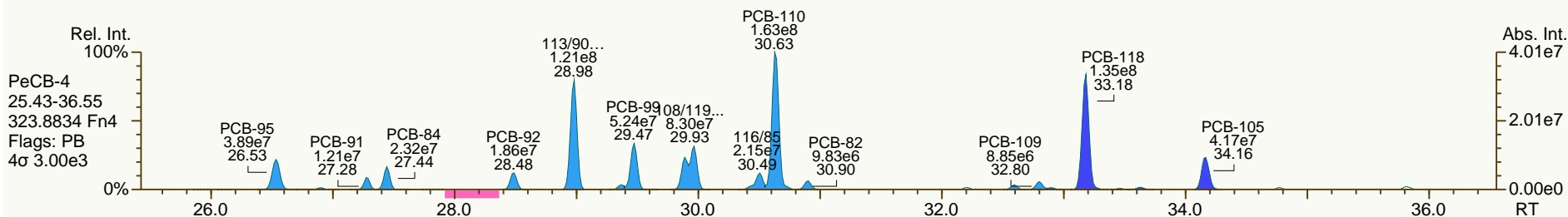
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AP Lab ID: A4373_9894_PCB_002
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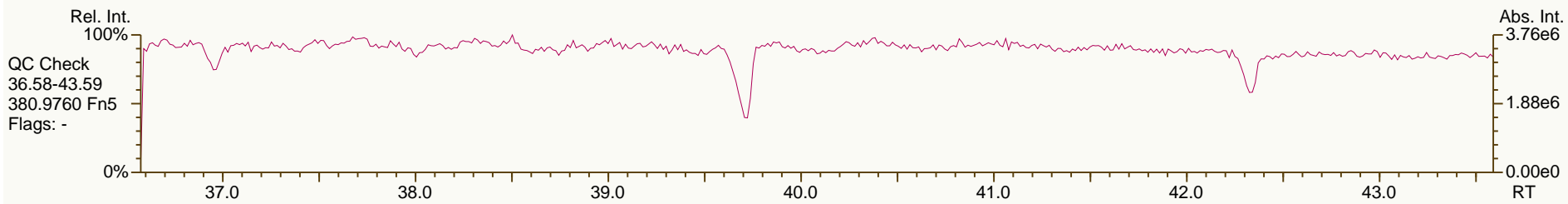
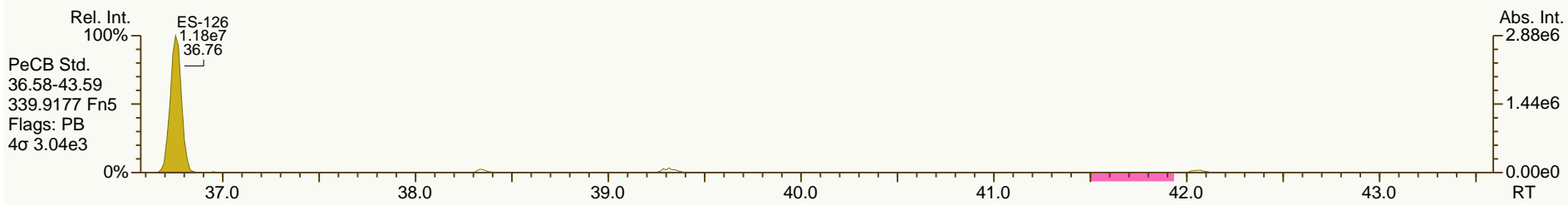
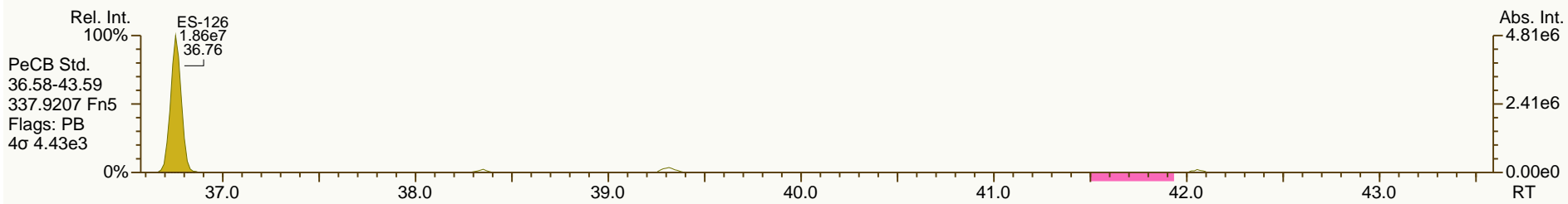
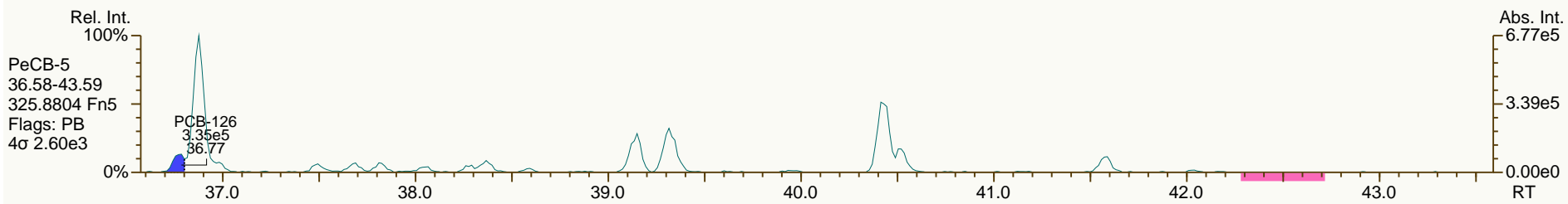
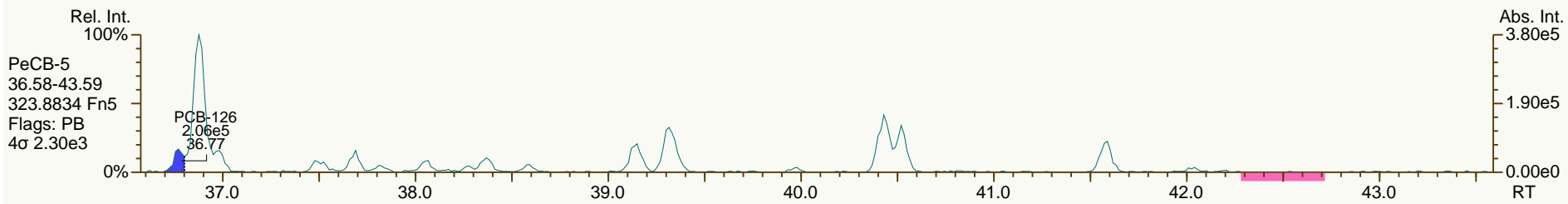
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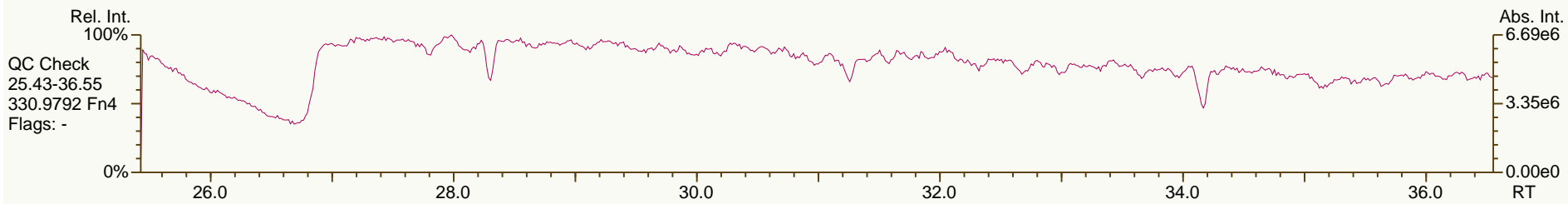
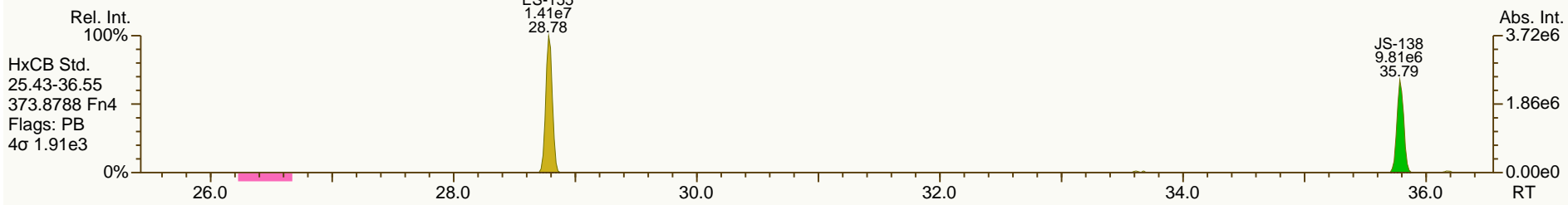
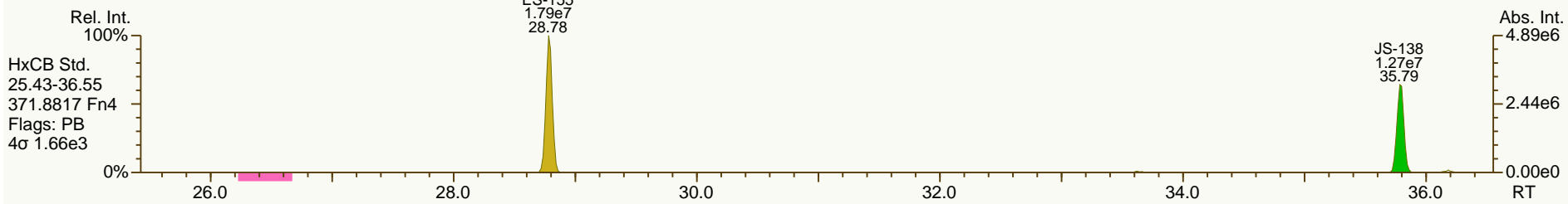
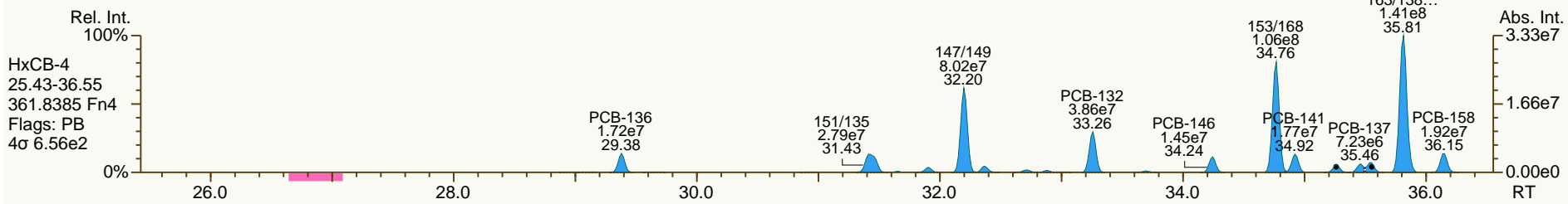
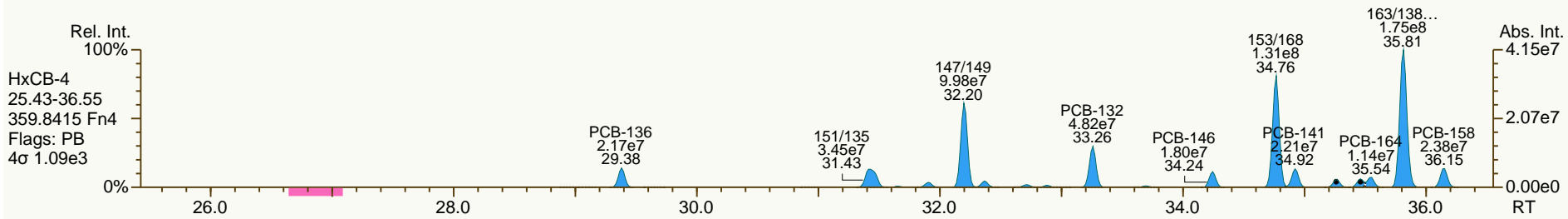
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Sample ID: JW-EA10-SS43-120507
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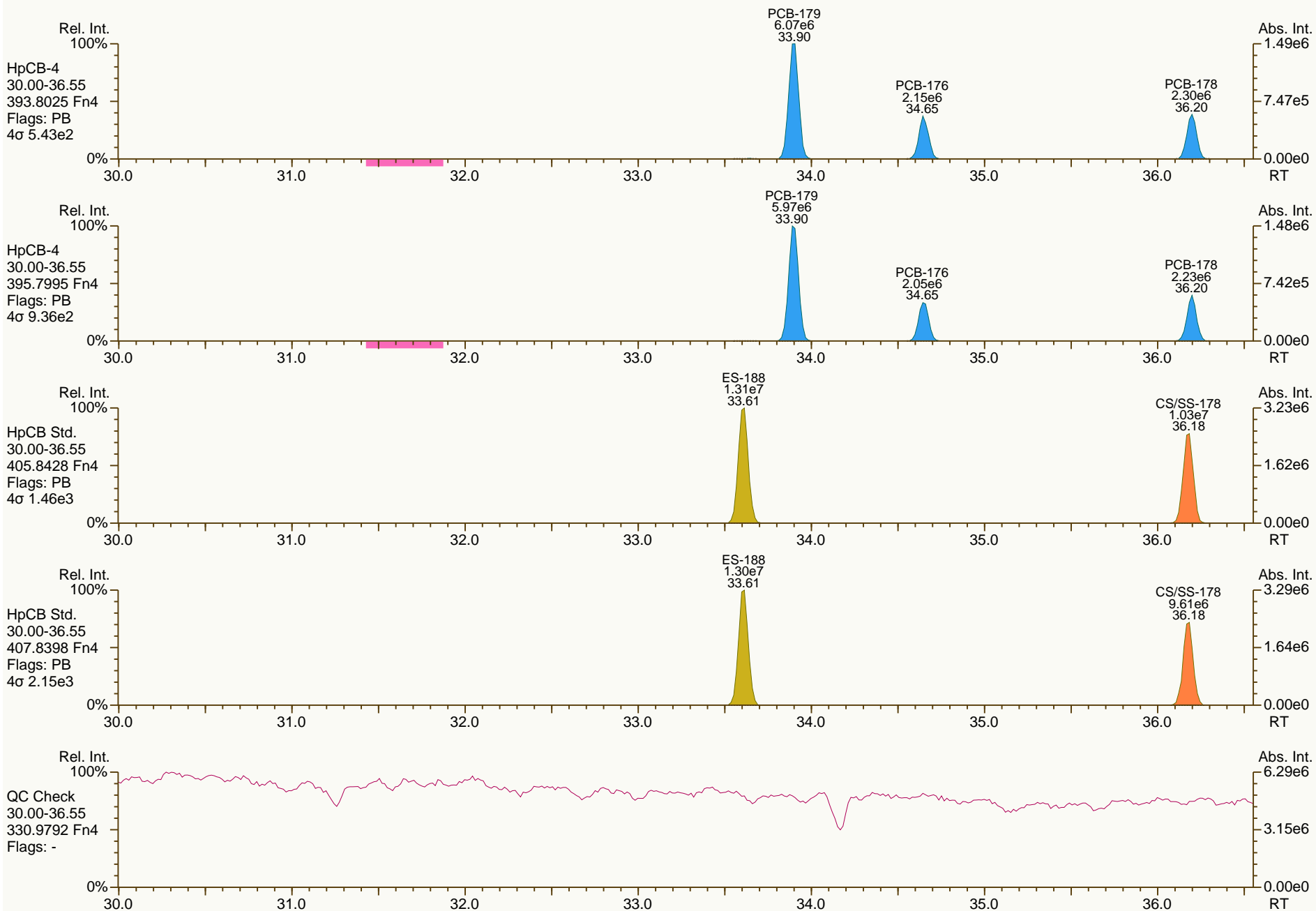
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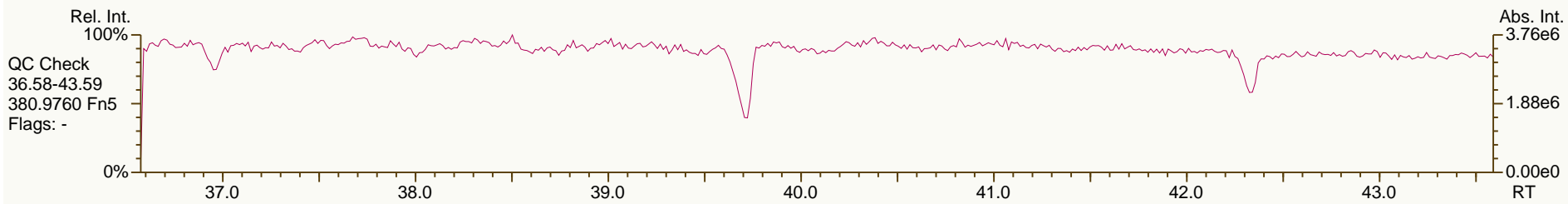
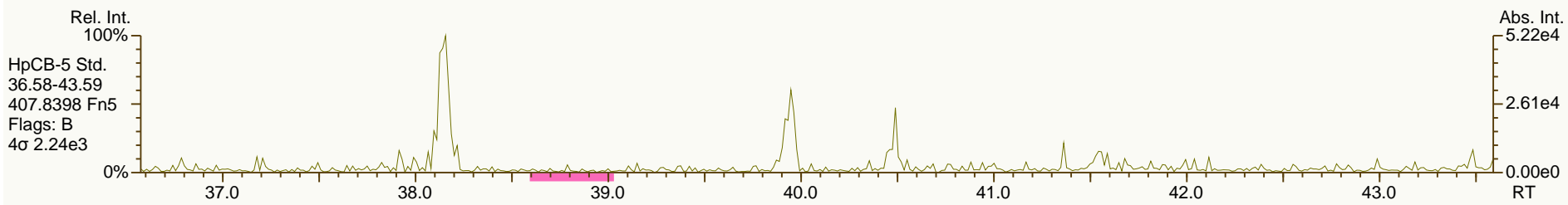
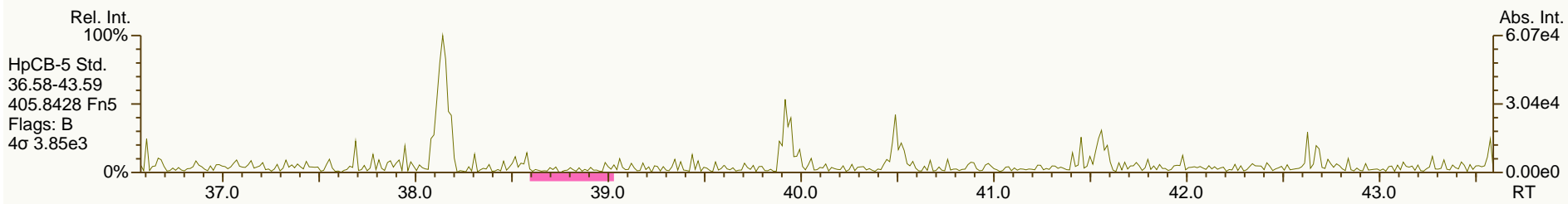
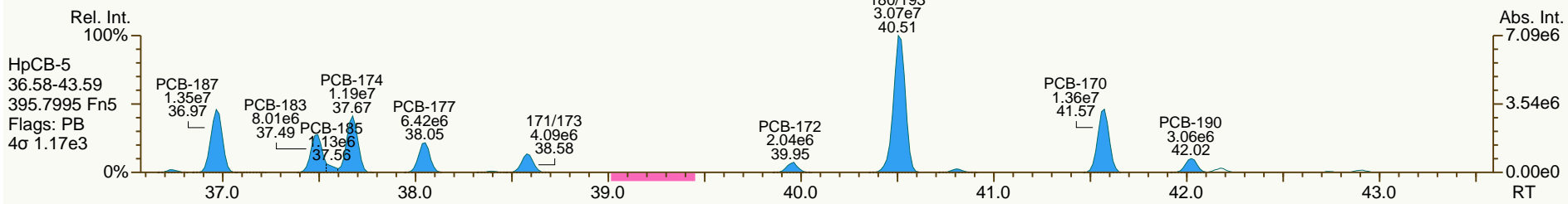
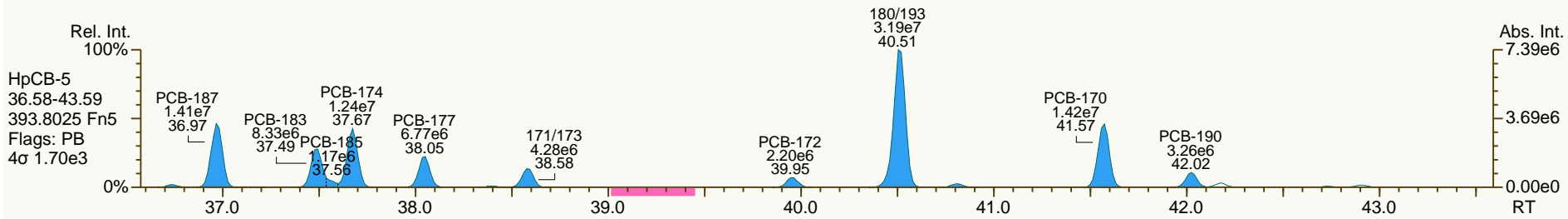
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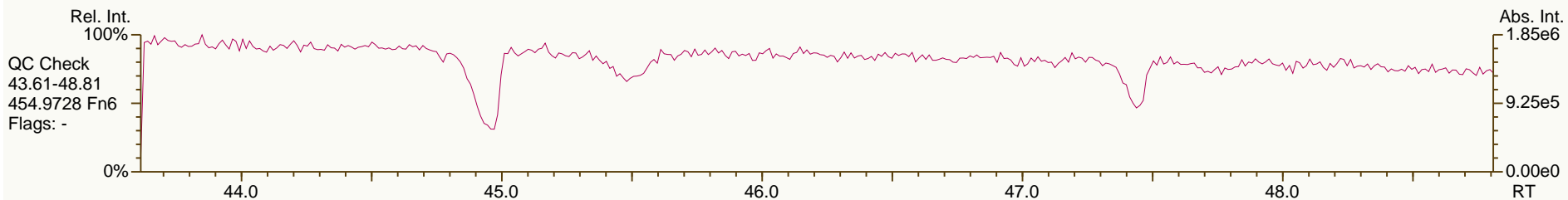
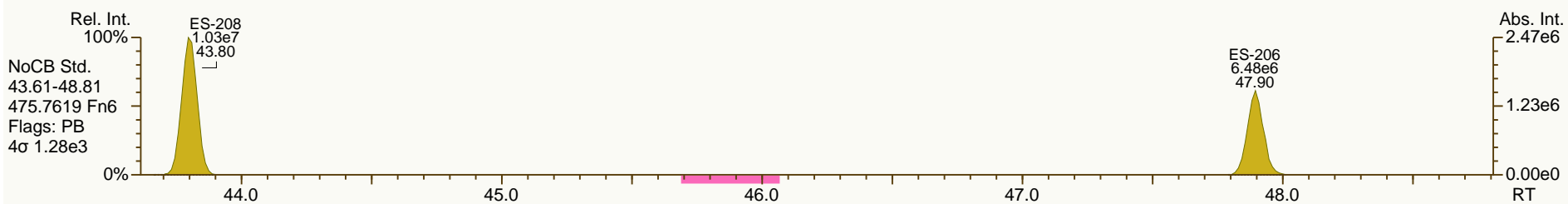
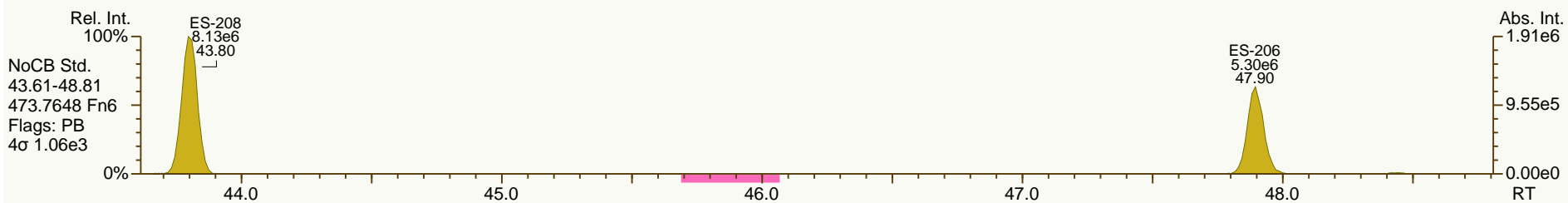
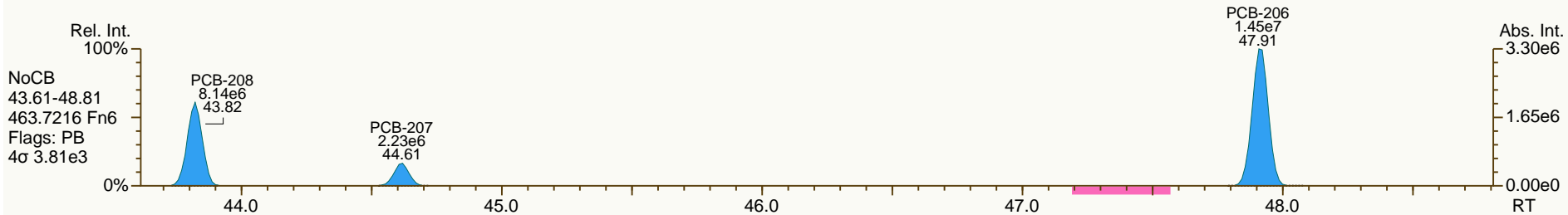
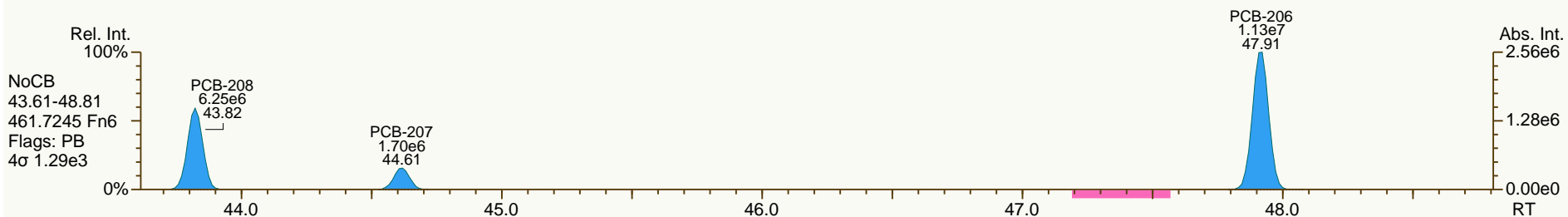
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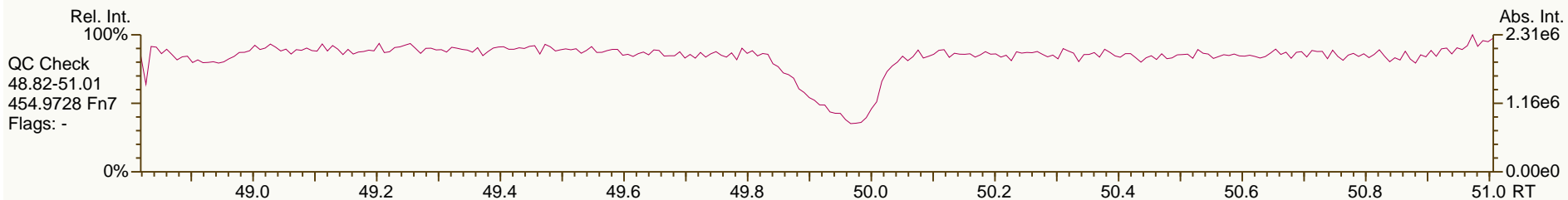
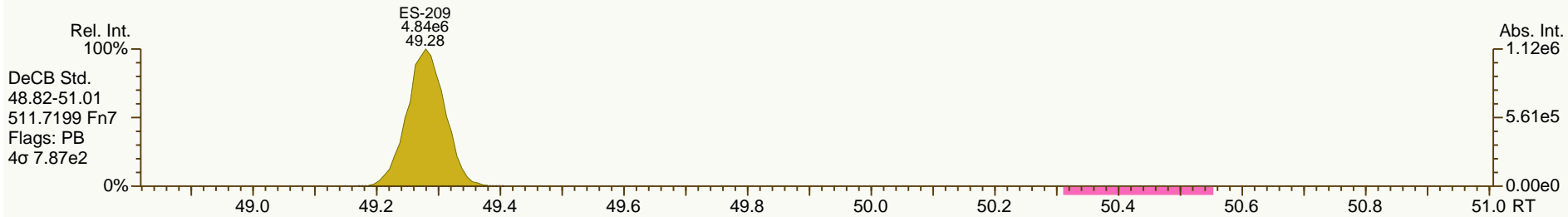
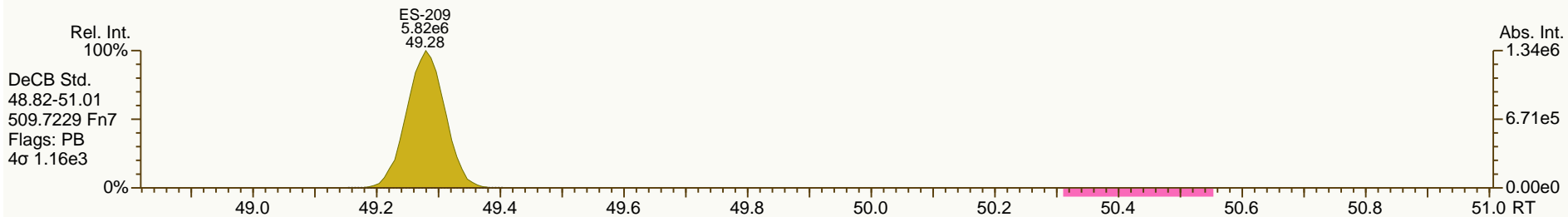
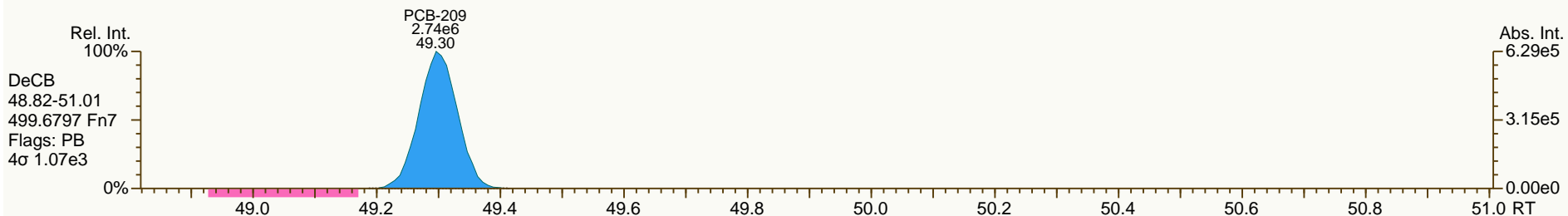
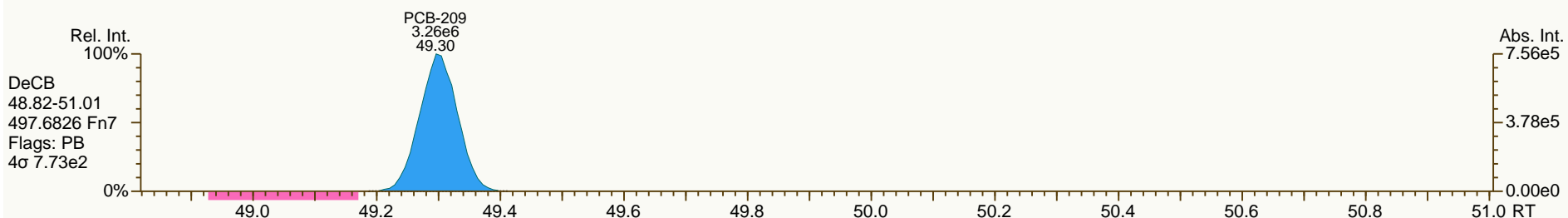
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AP Lab ID: A4373_9894_PCB_002
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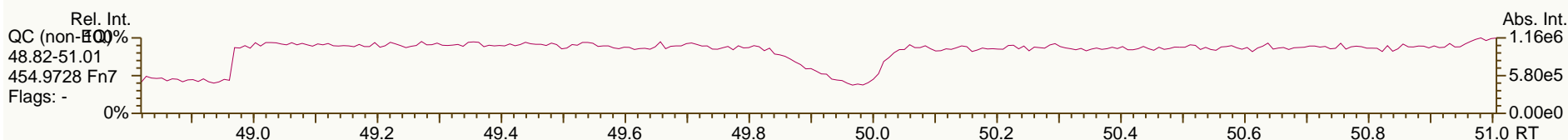
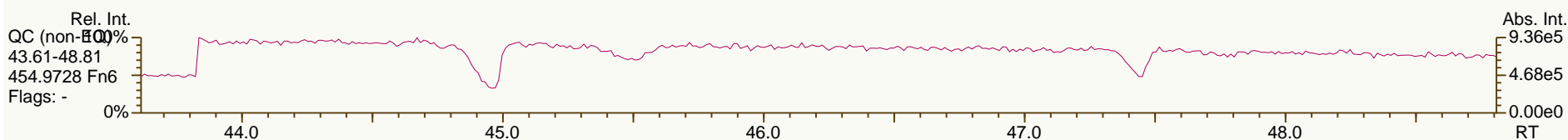
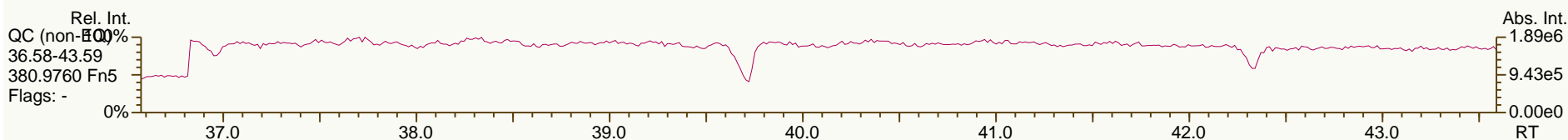
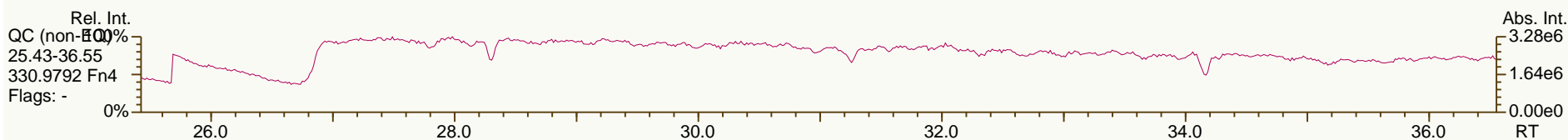
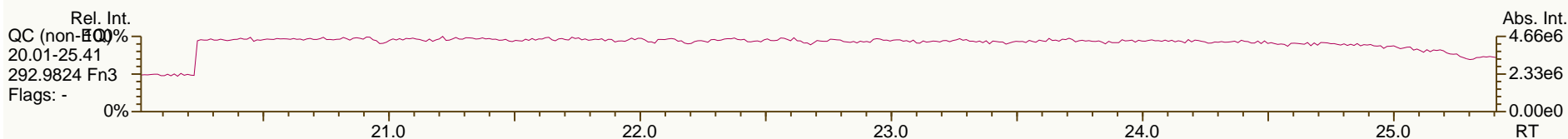
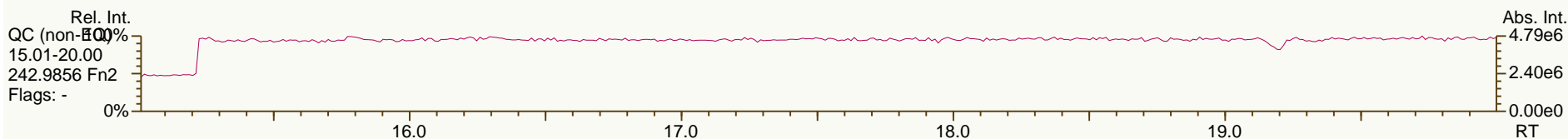
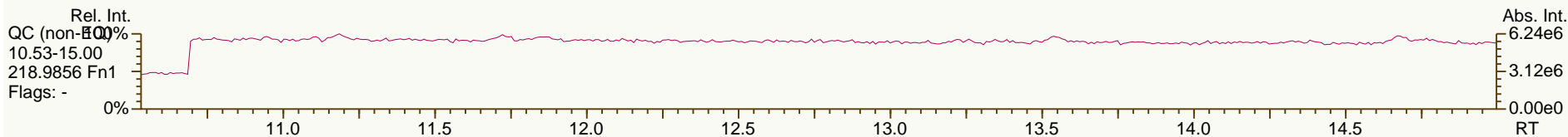
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AP Lab ID: A4373_9894_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS43-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

Acq: 03-Jul-2012 23:41:03
 User: CEM Datafile: 120703V22



Lab ID: A4373_9894_PCB_003
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 RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 6.64 g
 J-level: 1.51 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 125-675-SHW
 Method 1668B

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PCB-77 33'44'-TeCB	31.21		1.0007	1.0006	-0.2	5.55E+06	0.79	1.11	54.8	2.16E+04	2.15
PCB-81 344'5'-TeCB	30.74	EMPC	1.0005	1.0006	+0.2	2.03E+05	0.92	1.13	1.84	2.16E+04	2.03
PCB-105 233'44'-PeCB	34.18		1.0007	1.0007	0	6.74E+07	0.63	1.05	1,400	6.44E+03	1.36
PCB-114 2344'5'-PeCB	33.64		1.0007	1.0007	0	4.44E+06	0.62	1.15	70.2	6.44E+03	1.04
PCB-118 23'44'5'-PeCB	33.19		1.0008	1.0007	-0.2	2.26E+08	0.63	1.04	3,760	6.44E+03	1.08
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0007	+0.2	3.13E+06	0.65	1.01	57.5	6.44E+03	1.14
PCB-126 33'44'5'-PeCB	36.80		1.0005	1.0005	0	4.14E+05	0.67	1.06	5.32	3.53E+03	0.46
PCB-156/157 ...-HxCB	39.34	C	1.0005	1.0002	-0.7	3.48E+07	1.27	1.16	622	4.70E+03	1.12
PCB-167 23'44'55'-HxCB	38.38		1.0006	1.0005	-0.2	1.02E+07	1.28	1.24	160	4.70E+03	0.715
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.70E+03	1.1
PCB-189 233'44'55'-HpCB	44.25		1.0004	1.0004	0	1.38E+06	1.05	1.05	21.4	3.50E+03	0.548
PCB-209 DeCB	49.33		1.0004	1.0004	0	7.63E+05	1.15	1.09	32.8	1.61E+03	0.752
ES PCB-1	10.95		0.7216	0.7214	-0.1	2.49E+07	3.35	1.02	45.3 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	2.54E+07	3.37	1.02	46.2 %	11%	106%
ES PCB-4	13.30		0.8767	0.8765	-0.2	1.69E+07	1.58	0.68	46 %	14%	107%
ES PCB-15	18.75		1.2346	1.2353	+0.8	4.27E+07	1.70	1.06	74.9 %	19%	107%
ES PCB-19	16.21		1.0683	1.0684	+0.1	1.74E+07	1.07	0.49	65.5 %	1%	108%
ES PCB-37	24.93		1.0817	1.0823	+0.9	3.19E+07	1.11	1.51	71.2 %	25%	123%
ES PCB-54	19.01		0.8258	0.8253	-0.6	2.00E+07	0.77	1.37	49.1 %	13%	105%
ES PCB-77	31.19		1.3528	1.3542	+2.6	2.76E+07	0.85	1.17	79.2 %	31%	109%
ES PCB-81	30.72		1.3325	1.3338	+2.4	2.94E+07	0.83	1.13	87.2 %	14%	127%
ES PCB-104	23.87		0.8252	0.8243	-1.3	1.97E+07	1.59	1.90	42.4 %	36%	115%
ES PCB-105	34.15	V	1.1796	1.1794	-0.4	1.37E+07	1.55	1.15	49 %	50%	111%
ES PCB-114	33.62		1.1611	1.1611	0	1.65E+07	1.55	1.22	55.6 %	41%	121%
ES PCB-118	33.17		1.1454	1.1455	+0.2	1.74E+07	1.53	1.24	57.4 %	49%	111%
ES PCB-123	32.89		1.1358	1.1358	0	1.63E+07	1.50	1.29	51.8 %	49%	116%
ES PCB-126	36.78		1.2698	1.2700	+0.4	2.22E+07	1.60	1.40	65.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.79		0.8040	0.8040	0	2.20E+07	1.29	1.45	79 %	25%	124%
ES PCB-156/157	39.33		1.0982	1.0984	+0.5	2.90E+07	1.26	0.94	80.1 %	40%	120%
ES PCB-167	38.36		1.0711	1.0713	+0.5	1.55E+07	1.22	0.93	86.8 %	45%	118%
ES PCB-169	42.07		1.1746	1.1751	+1.3	1.08E+07	1.22	0.88	63.9 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.62		0.7312	0.7305	-1.4	1.69E+07	1.04	1.52	58 %	23%	125%
ES PCB-189	44.23		0.9611	0.9610	-0.3	1.85E+07	1.08	2.05	77.4 %	47%	116%
ES PCB-202	38.16		0.8297	0.8291	-1.4	1.53E+07	0.93	1.21	65.7 %	31%	134%
ES PCB-205	46.43		1.0088	1.0088	0	9.24E+06	0.90	1.28	61.8 %	46%	115%
ES PCB-206	47.93		1.0412	1.0414	+0.6	7.20E+06	0.78	1.12	55.1 %	38%	122%
ES PCB-208	43.82		0.9525	0.9521	-1.1	1.20E+07	0.82	1.46	70.7 %	31%	126%
ES PCB-209	49.31		1.0713	1.0715	+0.6	6.44E+06	1.16	1.16	47.6 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.44		0.9310	0.9307	-0.4	3.58E+07	1.11	1.09	103 %	14%	131%
CS/SS PCB-111	31.24	V	1.0789	1.0788	-0.2	2.07E+07	1.57	0.93	136 %	57%	112%
CS/SS PCB-178	36.19	V	1.0108	1.0108	0	1.34E+07	1.07	0.63	127 %	57%	125%
CS PCB-28	21.44		0.9310	0.9307	-0.4	3.58E+07	1.11	1.64	73.4 %	14%	131%
CS PCB-111	31.24		1.0789	1.0788	-0.2	2.07E+07	1.57	1.20	70.7 %	57%	112%
CS PCB-178	36.19		1.0108	1.0108	0	1.34E+07	1.07	0.95	73.4 %	57%	125%
JS PCB-9	15.17					5.37E+07	1.62				
JS PCB-52	23.03					2.97E+07	0.80				
JS PCB-101	28.96					2.44E+07	1.52				
JS PCB-138	35.80					1.92E+07	1.27				
JS PCB-194	46.02					1.17E+07	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			74.8		74.8		0.912	
			Di-CBs			257		257		2.06	
			Tri-CBs			1,000		1,000		0.996	
			Tetra-CBs			6,620		6,620		1.28	
			Penta-CBs			24,100		24,100		0.891	
			Hexa-CBs			15,500		15,500		0.789	
			Hepta-CBs			2,700		2,700		0.518	
			Octa-CBs			543		543		0.596	
			Nona-CBs			109		109		1.4	
PCB-1 2-MoCB	10.96		1.0011	1.0011	0	2.91E+06	3.07	1.00	35.5	1.22E+04	0.835
PCB-2 3-MoCB	12.91		0.9879	0.9879	0	1.24E+06	3.03	1.31	11.3	1.22E+04	0.726
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	2.27E+06	3.23	0.96	28	1.22E+04	0.989
PCB-4 22'-DiCB	13.32		1.0011	1.0012	+0.1	1.02E+06	1.48	0.82	22.2	1.90E+04	2.79
PCB-10 26-DiCB	13.49	J	1.0138	1.0139	+0.1	1.10E+05	SI	1.47	1.34	1.01E+04	0.828
PCB-9 25-DiCB	15.19		1.0010	1.0013	+0.3	4.34E+05	1.73	0.95	3.23	2.07E+04	1.35
PCB-7 24-DiCB	15.35		1.0113	1.0113	0	3.66E+05	1.64	1.10	2.35	2.07E+04	1.16
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	1.48E+06	1.44	1.03	10.2	2.07E+04	1.24
PCB-5 23-DiCB	15.84	J	1.0440	1.0437	-0.3	1.90E+05	1.43	1.04	1.29	2.07E+04	1.23
PCB-8 24'-DiCB	15.96		1.0517	1.0517	0	7.22E+06	1.58	1.04	49	2.07E+04	1.23
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.07E+04	1.03
PCB-11 33'-DiCB	18.20		0.9713	0.9711	-0.2	1.64E+07	1.54	1.06	109	2.07E+04	1.2
PCB-13/12 34'/34-DiCB	18.47	C	0.9861	0.9854	-0.8	1.24E+06	1.43	1.07	8.13	2.07E+04	1.19
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	6.86E+06	1.53	0.95	50.8	2.07E+04	1.34
PCB-19 22'6-TrCB	16.23		1.0011	1.0010	-0.1	4.30E+05	1.08	0.92	8.1	7.43E+03	1.09
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1061	+0.8	7.05E+06	1.03	1.27	96.4	7.43E+03	0.794
PCB-17 22'4-TrCB	18.31		1.1291	1.1294	+0.3	2.69E+06	1.09	1.07	43.5	7.43E+03	0.941
PCB-27 23'6-TrCB	18.50		1.1406	1.1410	+0.4	6.68E+05	1.03	1.46	7.91	7.43E+03	0.688
PCB-24 236-TrCB	18.62	J EMPC	1.1484	1.1485	+0.1	9.23E+04	1.24	1.41	1.14	7.43E+03	0.716
PCB-16 22'3-TrCB	18.71		1.1537	1.1542	+0.6	2.23E+06	1.04	0.82	47.3	7.43E+03	1.23

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1831	+0.5	3.39E+06	1.06	1.52	38.6	7.43E+03	0.661
PCB-34 23'5'-TrCB	20.31	J	0.8155	0.8147	-1.0	1.87E+05	1.07	1.39	1.27	1.09E+04	0.692
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.09E+04	0.669
PCB-26/29 23'5'/245-TrCB	20.71	C	0.8324	0.8307	-2.1	5.50E+06	1.06	1.43	36.1	1.09E+04	0.671
PCB-25 23'4-TrCB	20.92		0.8401	0.8392	-1.1	3.17E+06	1.06	1.44	20.8	1.09E+04	0.668
PCB-31 24'5-TrCB	21.19		0.8509	0.8502	-0.9	3.07E+07	1.06	1.47	196	1.09E+04	0.654
PCB-28/20 244'/233'-TrCB	21.46	C	0.8618	0.8608	-1.3	3.62E+07	1.06	1.42	241	1.09E+04	0.679
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8690	+0.4	1.41E+07	1.06	1.44	92.1	1.09E+04	0.669
PCB-22 234'-TrCB	22.00		0.8834	0.8827	-0.9	1.03E+07	1.09	1.33	72.7	1.09E+04	0.723
PCB-36 33'5-TrCB	23.37		0.9382	0.9377	-0.7	2.70E+05	1.01	1.49	1.71	1.09E+04	0.648
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.09E+04	0.626
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.09E+04	0.7
PCB-35 33'4-TrCB	24.59		0.9866	0.9864	-0.3	1.12E+06	1.10	1.36	7.76	1.09E+04	0.708
PCB-37 344'-TrCB	24.95		1.0008	1.0008	0	1.04E+07	1.07	1.07	91.6	1.09E+04	0.897
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.69E+03	0.46
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9092	-1.8	2.57E+06	0.77	0.60	43.9	4.91E+03	0.866
PCB-45 22'36-TeCB	21.53		0.9351	0.9348	-0.4	1.78E+06	0.77	0.53	34.5	4.91E+03	0.983
PCB-51 22'46'-TeCB	21.61		0.9384	0.9382	-0.3	4.69E+05	0.79	0.59	8.15	4.91E+03	0.883
PCB-46 22'36'-TeCB	21.80		0.9469	0.9466	-0.4	7.28E+05	0.74	0.49	15.1	4.91E+03	1.05
PCB-52 22'55'-TeCB	23.05		1.0010	1.0010	0	9.27E+07	0.77	0.59	1,600	4.91E+03	0.878
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.91E+03	0.679
PCB-43 22'35-TeCB	23.27		1.0101	1.0102	+0.1	5.57E+05	0.73	0.53	10.8	4.91E+03	0.98
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0197	+1.4	3.00E+07	0.77	0.72	425	4.91E+03	0.719
PCB-48 22'45-TeCB	23.73		1.0304	1.0305	+0.1	3.33E+06	0.79	0.60	57.1	4.91E+03	0.872
PCB-44/47/65 ...-TeCB	23.92	C	1.0396	1.0385	-1.6	4.47E+07	0.76	0.64	717	4.91E+03	0.814
PCB-59/62/75 ...-TeCB	24.22	C	1.0514	1.0516	+0.3	2.31E+06	0.78	0.81	29.2	4.91E+03	0.643
PCB-42 22'34'-TeCB	24.38		1.0582	1.0585	+0.4	5.94E+06	0.78	0.55	112	4.91E+03	0.953
PCB-41 22'34-TeCB	24.70		1.0722	1.0726	+0.6	1.17E+06	0.76	0.51	23.4	4.91E+03	1.02
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.40E+07	0.75	0.60	238	4.91E+03	0.863
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	1.94E+07	0.76	0.86	231	4.91E+03	0.604
PCB-72 23'55'-TeCB	25.77		0.8379	0.8387	+1.2	1.14E+06	0.74	1.24	9.47	2.16E+04	1.85
PCB-68 23'45'-TeCB	26.03		0.8461	0.8474	+2.0	9.07E+05	0.77	1.31	7.08	2.16E+04	1.74
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.16E+04	1.94
PCB-58 233'5'-TeCB	26.55		0.8642	0.8641	-0.2	4.09E+06	0.79	1.21	34.6	2.16E+04	1.89
PCB-67 23'45-TeCB	26.67	EMPC	0.8692	0.8681	-1.8	2.20E+05	0.95	1.26	1.79	2.16E+04	1.82
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.16E+04	1.79
PCB-61/70/74/76 ...-TeCB	27.27	C	0.8856	0.8876	+3.3	2.12E+08	0.78	1.21	1,800	2.16E+04	1.9
PCB-66 23'44'-TeCB	27.53		0.8947	0.8960	+2.1	8.62E+07	0.78	1.12	788	2.16E+04	2.04
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	2.16E+04	1.93
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	2.68E+07	0.76	1.12	246	2.16E+04	2.05
PCB-60 2344'-TeCB	28.26		0.9193	0.9198	+0.8	1.16E+07	0.77	1.17	102	2.16E+04	1.96
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.16E+04	1.74
PCB-79 33'45'-TeCB	29.89		0.9730	0.9730	0	2.97E+06	0.73	1.34	22.7	2.16E+04	1.71
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.16E+04	2.11
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.92E+03	0.274
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	7.73E+05	0.63	0.97	12.2	1.92E+03	0.287
PCB-103 22'45'6-PeCB	25.93		0.8946	0.8955	+1.4	5.59E+05	0.62	0.87	11.9	6.44E+03	1.32
PCB-94 22'356'-PeCB	26.13		0.9008	0.9022	+2.2	2.86E+05	0.69	0.76	7.01	6.44E+03	1.52

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9167	+4.8	6.54E+07	0.63	0.80	1,510	6.44E+03	1.43
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.44E+03	1.42
PCB-102 22'456'-PeCB	26.77		0.9247	0.9244	-0.5	5.94E+05	0.63	0.91	12.1	6.44E+03	1.27
PCB-98 22'34'6'-PeCB	26.87		0.9270	0.9280	+1.6	3.27E+06	0.61	0.76	80.1	6.44E+03	1.52
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.44E+03	1.53
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9412	+2.9	1.85E+07	0.63	0.87	393	6.44E+03	1.32
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9470	+2.1	3.71E+07	0.62	0.70	982	6.44E+03	1.64
PCB-89 22'346'-PeCB	27.82		0.9599	0.9608	+1.5	8.86E+05	0.63	0.73	22.5	6.44E+03	1.58
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.44E+03	1.04
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	3.04E+07	0.63	0.77	735	6.44E+03	1.5
PCB-113/90/101 ...-PeCB	28.98	C	0.9998	1.0008	+1.7	1.95E+08	0.63	0.91	3,990	6.44E+03	1.26
PCB-83 22'33'5-PeCB	29.37		1.0145	1.0142	-0.5	6.78E+06	0.64	0.68	185	6.44E+03	1.69
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	8.47E+07	0.63	0.82	1,910	6.44E+03	1.39
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	6.44E+03	1.07
PCB-108/119/86/97/125...-PeCB	29.94	C	1.0330	1.0339	+1.6	1.26E+08	0.63	0.90	2,590	6.44E+03	1.28
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	6.44E+03	1.16
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0533	-1.5	3.32E+07	0.62	0.92	667	6.44E+03	1.25
PCB-110 233'4'6-PeCB	30.64		1.0584	1.0582	-0.4	2.52E+08	0.63	0.98	4,750	6.44E+03	1.17
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.44E+03	1.1
PCB-82 22'33'4-PeCB	30.91		1.0677	1.0673	-0.7	1.55E+07	0.64	0.64	447	6.44E+03	1.79
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.44E+03	1.12
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	6.44E+03	1.05
PCB-107/124 ...-PeCB	32.61	C	0.9913	0.9914	+0.2	8.25E+06	0.63	0.95	160	6.44E+03	1.2
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	1.55E+07	0.63	1.05	274	6.44E+03	1.09
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.44E+03	1.26
PCB-122 233'4'5'-PeCB	33.47		1.0092	1.0091	-0.2	2.02E+06	0.64	1.01	36.4	6.44E+03	1.18
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.44E+03	1.54
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.223
PCB-152 22'3566'-HxCB	28.95		1.0057	1.0057	0	2.41E+05	1.28	1.03	3.19	1.75E+03	0.223
PCB-150 22'34'66'-HxCB	29.10		1.0109	1.0107	-0.3	2.38E+05	1.27	1.01	3.25	1.75E+03	0.229
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0207	-0.4	2.53E+07	1.24	0.96	363	1.75E+03	0.241
PCB-145 22'3466'-HxCB	29.65	J	1.0303	1.0301	-0.4	9.25E+04	1.40	0.97	1.3	1.75E+03	0.237
PCB-148 22'34'56'-HxCB	30.94		1.0750	1.0747	-0.6	1.20E+05	1.33	0.73	2.24	1.75E+03	0.315
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0923	-0.6	3.94E+07	1.25	0.71	764	1.75E+03	0.327
PCB-154 22'44'56'-HxCB	31.66		1.1001	1.0999	-0.4	1.65E+06	1.34	0.81	27.8	1.75E+03	0.283
PCB-144 22'345'6-HxCB	31.92		1.1089	1.1087	-0.4	6.78E+06	1.25	0.72	129	1.75E+03	0.321
PCB-147/149 ...-HxCB	32.21	C	1.1193	1.1189	-0.8	1.11E+08	1.23	0.74	2,060	1.75E+03	0.313
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1249	-0.4	9.50E+06	1.23	0.63	208	1.75E+03	0.368
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.75E+03	0.343
PCB-139/140 ...-HxCB	32.73	C	1.1372	1.1368	-0.8	4.04E+06	1.26	0.70	79	1.75E+03	0.329
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1426	-0.4	2.68E+06	1.23	0.62	59.4	1.75E+03	0.373
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.373
PCB-132 22'33'46'-HxCB	33.27		1.1559	1.1557	-0.4	5.65E+07	1.26	0.63	1,230	1.75E+03	0.366
PCB-133 22'33'55'-HxCB	33.71		1.1710	1.1710	0	2.14E+06	1.23	0.68	43.4	1.75E+03	0.341
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.281
PCB-146 22'34'55'-HxCB	34.26		0.9569	0.9568	-0.2	2.31E+07	1.27	0.72	439	1.75E+03	0.32
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.253
PCB-153/168 ...-HxCB	34.78	C	0.9720	0.9714	-1.3	1.57E+08	1.25	0.85	2,540	1.75E+03	0.273

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.94		0.9758	0.9757	-0.2	2.70E+07	1.25	0.68	544	1.75E+03	0.339
PCB-130 22'33'45'-HxCB	35.28		0.9853	0.9853	0	1.16E+07	1.24	0.60	265	1.75E+03	0.384
PCB-137 22'344'5'-HxCB	35.48		0.9908	0.9909	+0.2	1.29E+07	1.23	0.64	279	1.75E+03	0.363
PCB-164 233'4'5'6'-HxCB	35.56		0.9931	0.9932	+0.2	1.42E+07	1.23	0.91	214	1.75E+03	0.254
PCB-163/138/129 ...-HxCB	35.83	C	1.0011	1.0007	-0.9	2.14E+08	1.24	0.71	4,140	1.75E+03	0.326
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.275
PCB-158 233'44'6'-HxCB	36.16		1.0101	1.0100	-0.2	2.95E+07	1.24	0.89	454	1.75E+03	0.259
PCB-128/166 ...-HxCB	36.89	C	0.9619	0.9618	-0.2	3.80E+07	1.26	0.93	798	4.70E+03	0.959
PCB-159 233'455'-HxCB	37.69		0.9838	0.9826	-2.7	7.07E+05	1.33	1.15	12	4.70E+03	0.773
PCB-162 233'4'55'-HxCB	37.97		0.9900	0.9900	0	8.22E+05	1.19	1.08	14.8	4.70E+03	0.824
PCB-188 22'34'566'-HpCB	33.65	J	1.0006	1.0008	+0.4	3.12E+04	1.17	0.94	0.589	1.58E+03	0.308
PCB-179 22'33'566'-HpCB	33.91		1.0086	1.0087	+0.2	6.20E+06	1.04	0.93	119	1.58E+03	0.314
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.58E+03	0.304
PCB-176 22'33'466'-HpCB	34.66		1.0309	1.0310	+0.2	2.28E+06	1.01	1.04	38.9	1.58E+03	0.279
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.58E+03	0.294
PCB-178 22'33'55'6'-HpCB	36.21		1.0769	1.0771	+0.4	2.33E+06	1.04	0.72	57.6	1.58E+03	0.405
PCB-175 22'33'45'6'-HpCB	36.76		1.0929	1.0933	+0.9	6.71E+05	0.99	0.74	16.2	2.51E+03	0.627
PCB-187 22'34'55'6'-HpCB	36.99		1.0998	1.1001	+0.7	1.35E+07	1.04	0.80	302	2.51E+03	0.58
PCB-182 22'344'56'-HpCB	37.16	EMPC	1.1050	1.1053	+0.7	1.33E+05	1.21	0.82	2.91	2.51E+03	0.566
PCB-183 22'344'5'6'-HpCB	37.51		1.1152	1.1156	+0.9	9.37E+06	1.06	0.82	205	2.51E+03	0.567
PCB-185 22'3455'6'-HpCB	37.59		1.1174	1.1180	+1.4	8.26E+05	1.07	0.78	19	2.51E+03	0.596
PCB-174 22'33'456'-HpCB	37.69		1.1207	1.1210	+0.7	1.30E+07	1.01	0.72	320	2.51E+03	0.638
PCB-177 22'33'45'6'-HpCB	38.06		1.1319	1.1322	+0.7	7.84E+06	1.06	0.62	225	2.51E+03	0.746
PCB-181 22'344'56'-HpCB	38.41		1.1422	1.1425	+0.7	4.11E+05	1.09	0.78	9.36	2.51E+03	0.591
PCB-171/173 ...-HpCB	38.60	C	1.1474	1.1481	+1.6	5.32E+06	1.05	0.67	141	2.51E+03	0.69
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9039	-0.7	2.44E+06	1.06	0.71	56.6	2.51E+03	0.587
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.51E+03	0.425
PCB-180/193 ...-HpCB	40.53	C	0.9160	0.9164	+1.0	3.38E+07	1.04	0.82	671	2.51E+03	0.504
PCB-191 233'44'5'6'-HpCB	40.83		0.9234	0.9231	-0.7	8.86E+05	0.98	0.99	14.7	2.51E+03	0.42
PCB-170 22'33'44'5'-HpCB	41.59		0.9406	0.9403	-0.7	1.71E+07	1.02	0.67	415	2.51E+03	0.614
PCB-190 233'44'56'-HpCB	42.04		0.9509	0.9506	-0.8	3.77E+06	1.09	0.88	69.6	2.51E+03	0.468
PCB-202 22'33'55'66'-OcCB	38.18		1.0006	1.0006	0	1.40E+06	0.89	0.86	32.3	2.18E+03	0.531
PCB-201 22'33'45'66'-OcCB	38.96		1.0211	1.0211	0	8.19E+05	0.99	1.05	15.3	2.18E+03	0.433
PCB-204 22'344'566'-OcCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.18E+03	0.484
PCB-197 22'33'44'66'-OcCB	39.74		1.0412	1.0415	+0.7	1.50E+05	0.82	1.07	2.76	2.18E+03	0.426
PCB-200 22'33'4566'-OcCB	39.81		1.0433	1.0433	0	6.43E+05	0.87	0.97	13	2.18E+03	0.468
PCB-198/199 ...-OcCB	42.19	C	1.1049	1.1058	+2.3	4.53E+06	0.92	0.62	144	2.18E+03	0.733
PCB-196 22'33'44'56'-OcCB	42.75		1.1201	1.1204	+0.8	1.94E+06	0.87	0.63	60.7	2.18E+03	0.724
PCB-203 22'344'55'6'-OcCB	42.92		1.1245	1.1249	+1.0	3.11E+06	0.93	0.68	90.9	2.18E+03	0.675
PCB-195 22'33'44'56'-OcCB	44.04		0.9489	0.9485	-1.1	1.23E+06	0.91	0.87	45.8	2.31E+03	0.908
PCB-194 22'33'44'55'-OcCB	46.04		0.9917	0.9917	0	3.40E+06	0.91	0.84	133	2.31E+03	0.948
PCB-205 233'44'55'6'-OcCB	46.45		1.0004	1.0004	0	2.00E+05	0.81	1.20	5.45	2.31E+03	0.661
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	8.71E+05	0.74	1.01	21.7	3.77E+03	0.945
PCB-207 22'33'44'566'-NoCB	44.64		1.0186	1.0187	+0.3	3.52E+05	0.80	1.00	8.79	3.77E+03	0.95
PCB-206 22'33'44'55'6'-NoCB	47.94		1.0004	1.0004	0	1.78E+06	0.76	0.95	78.1	3.77E+03	1.85

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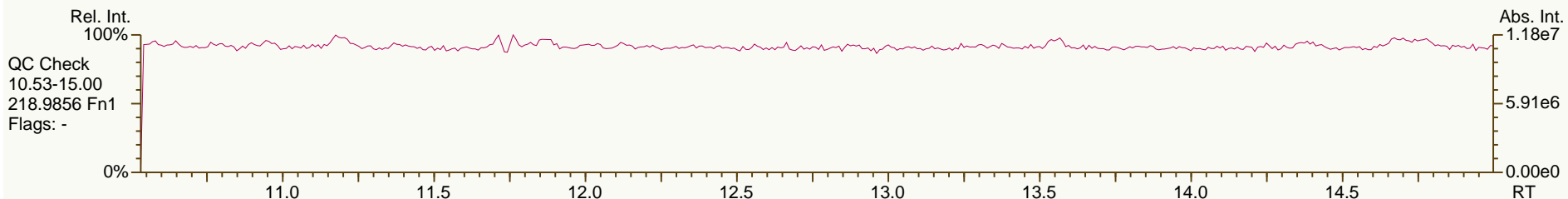
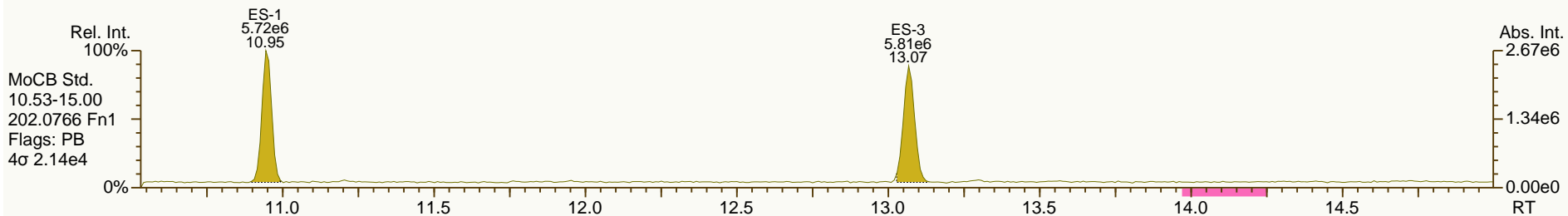
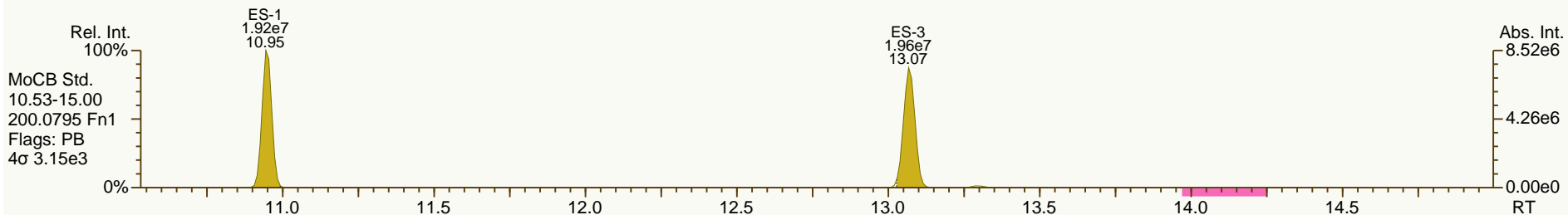
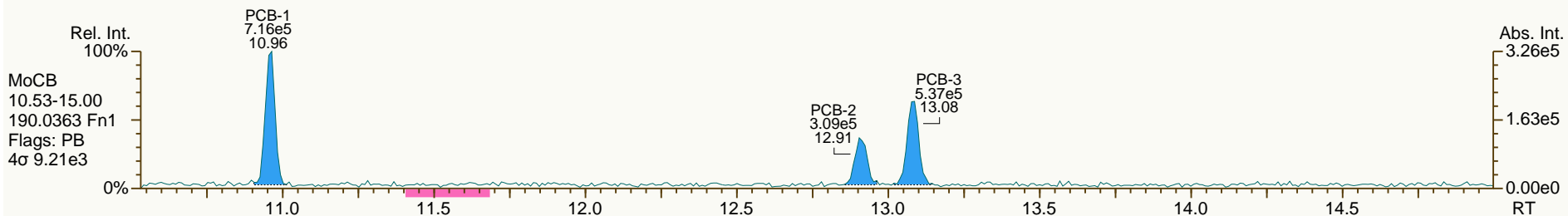
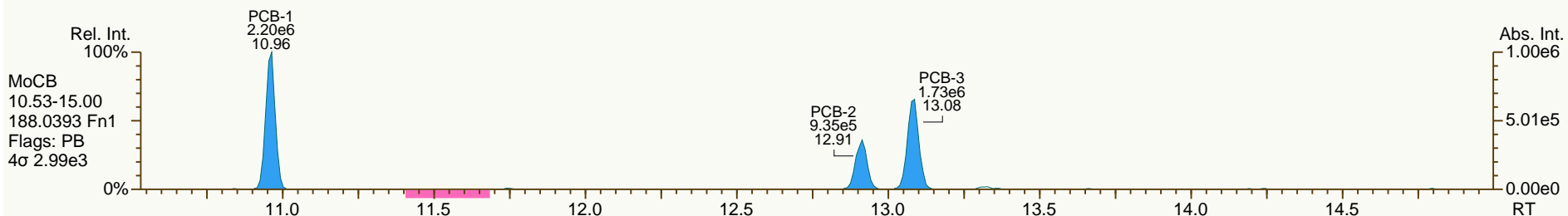
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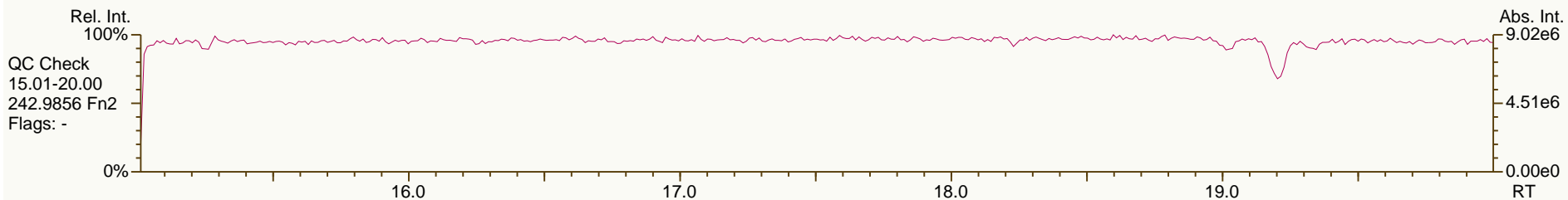
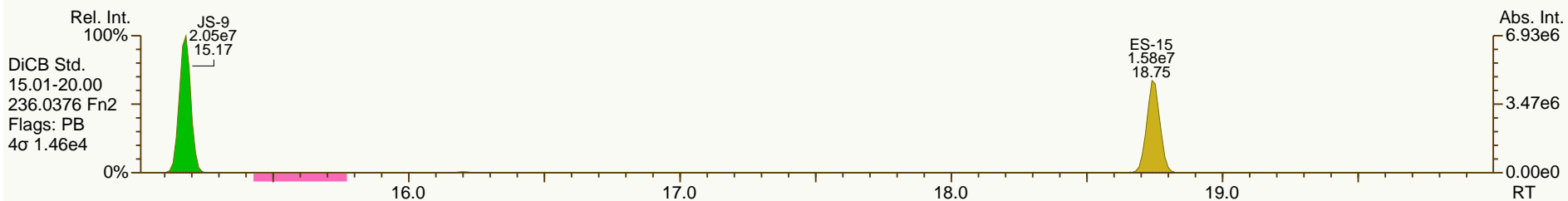
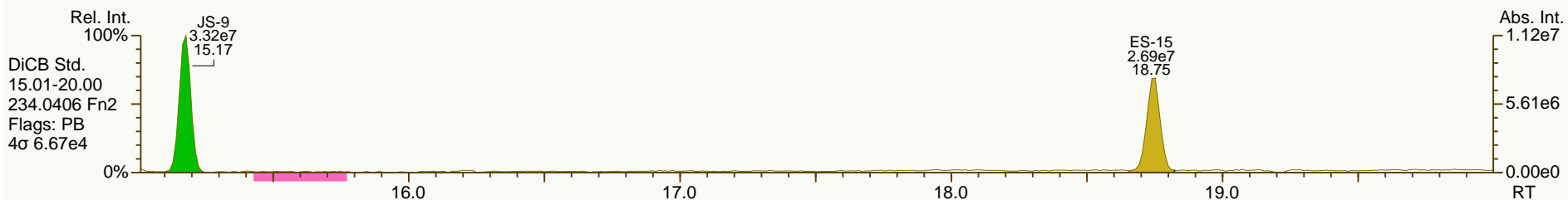
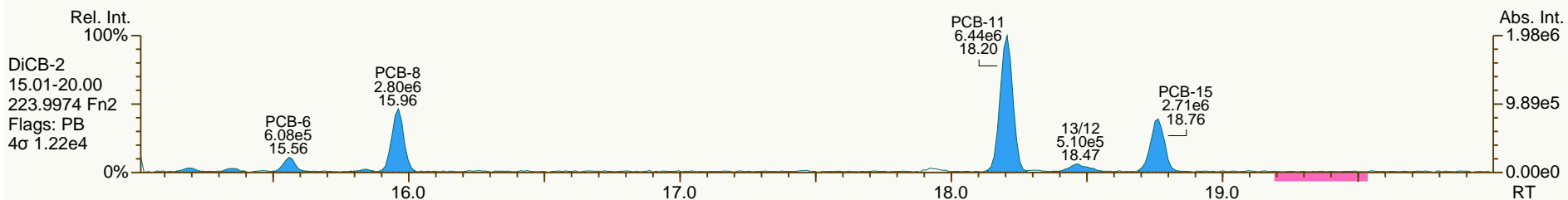
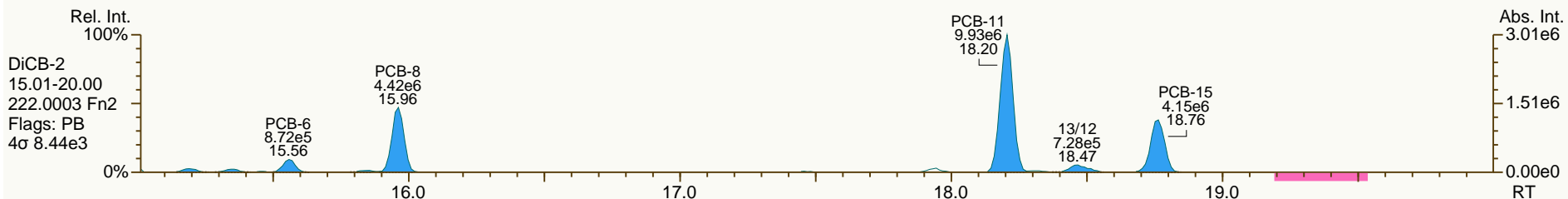
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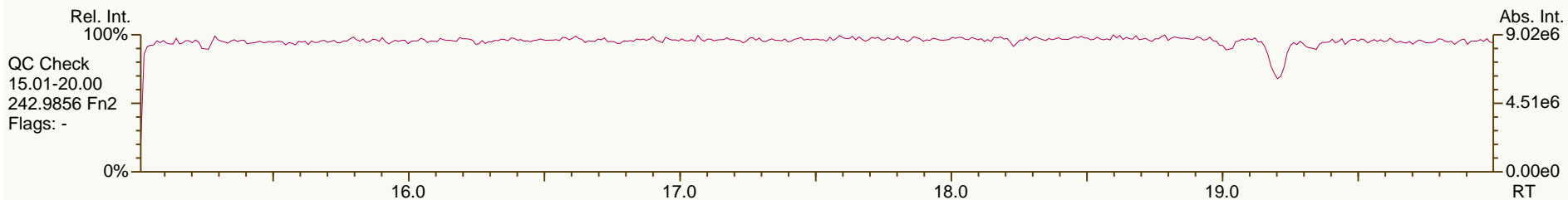
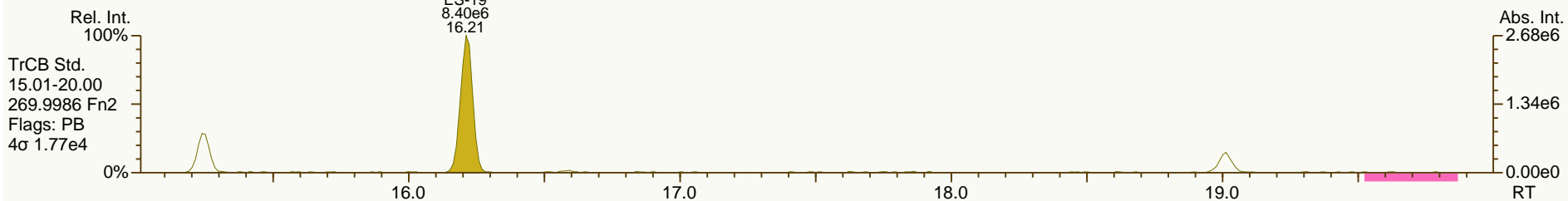
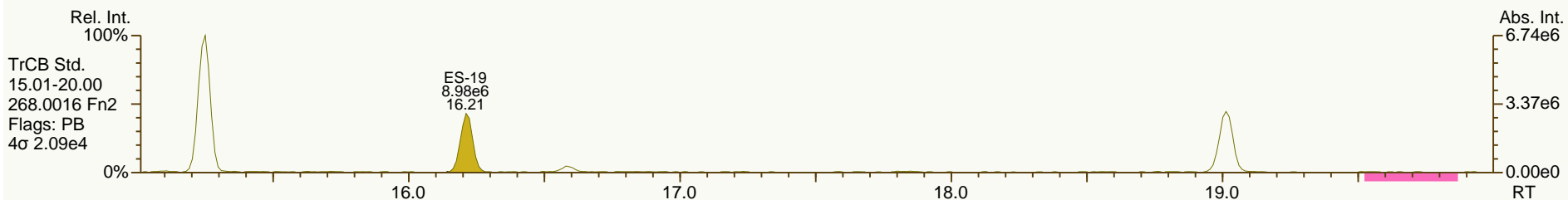
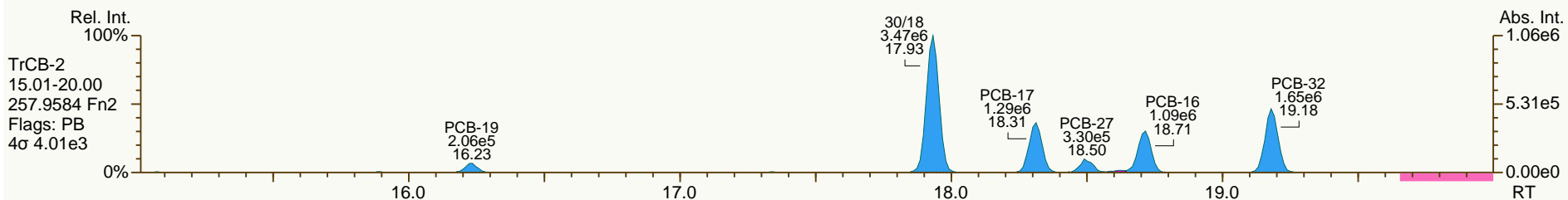
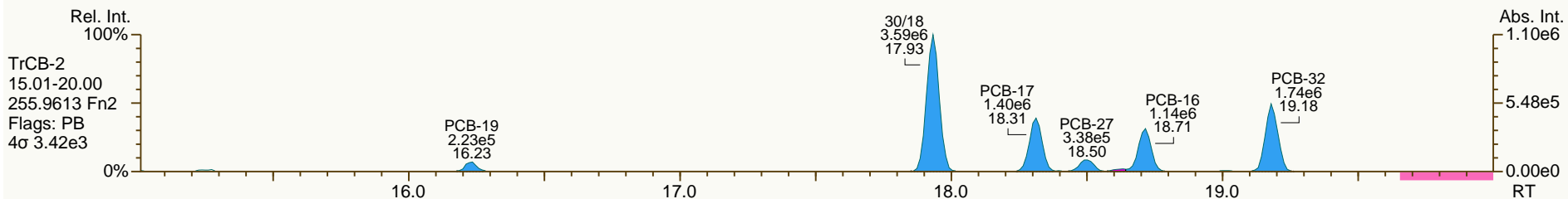
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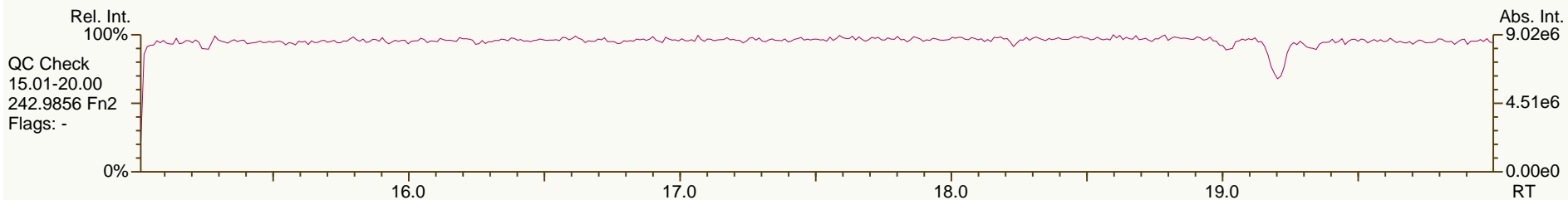
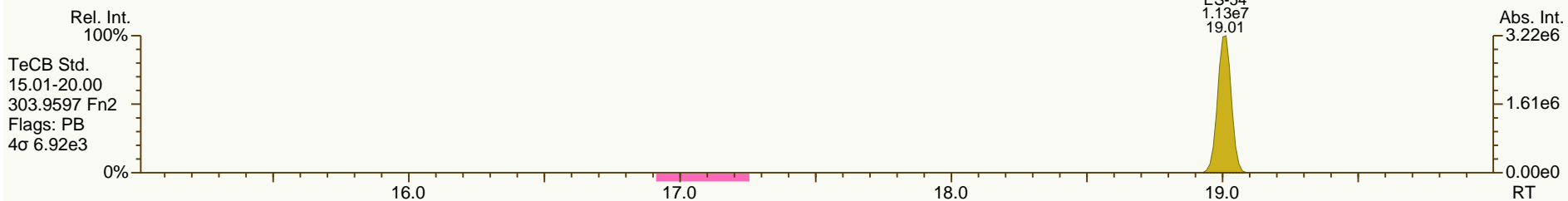
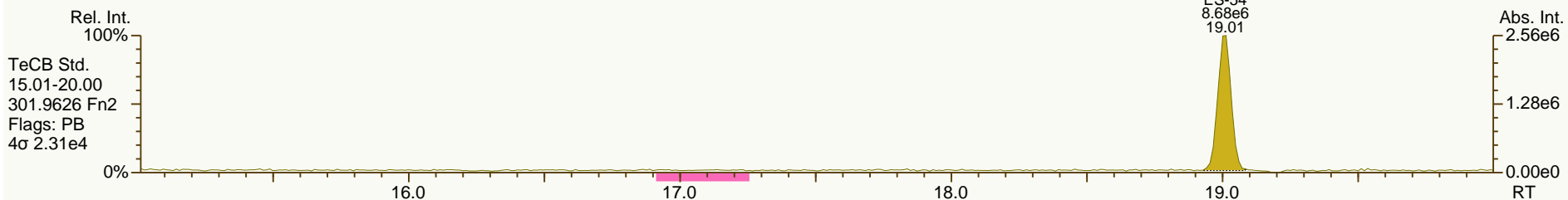
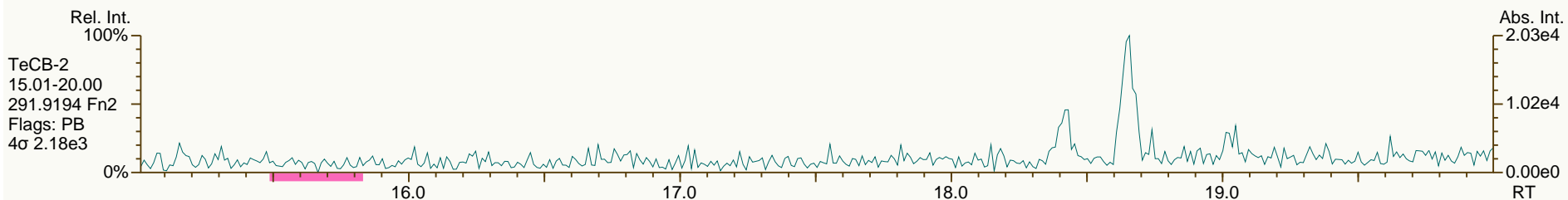
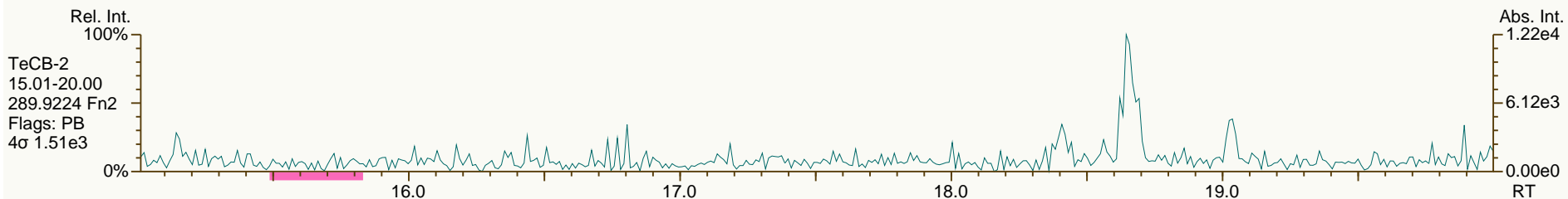
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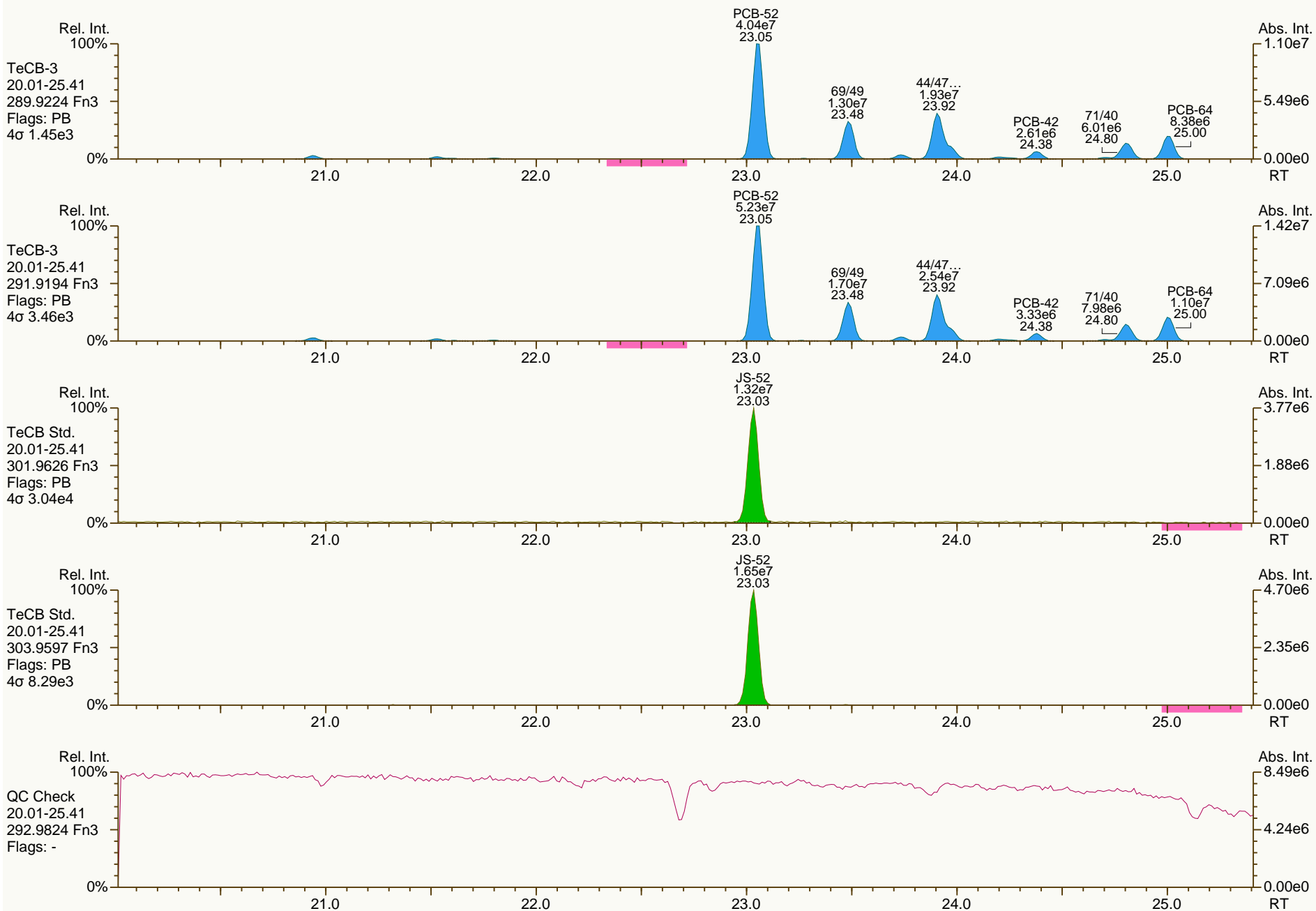
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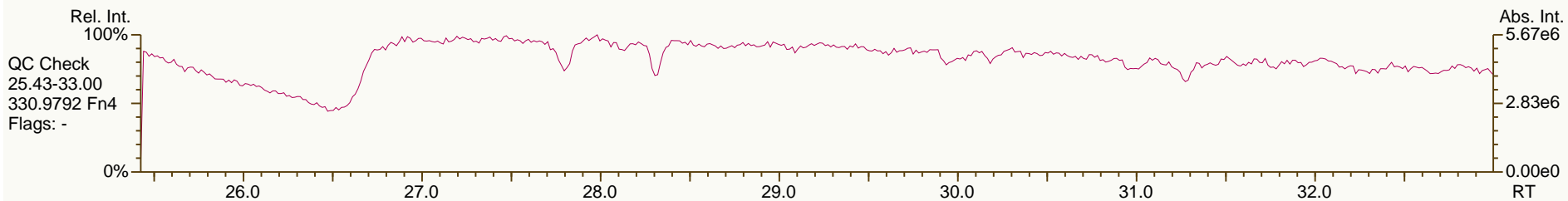
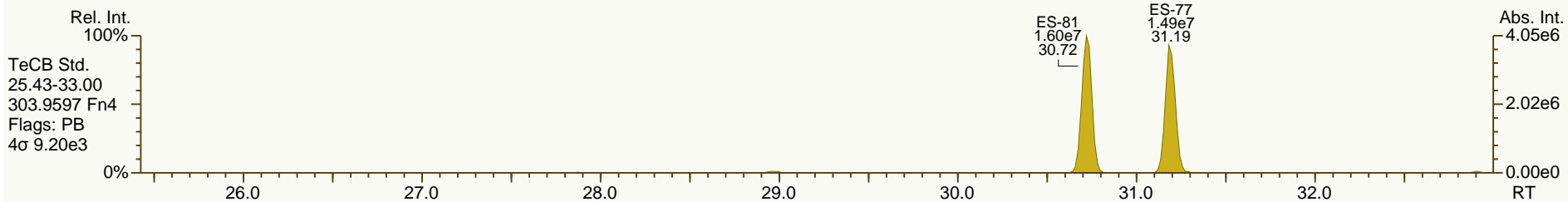
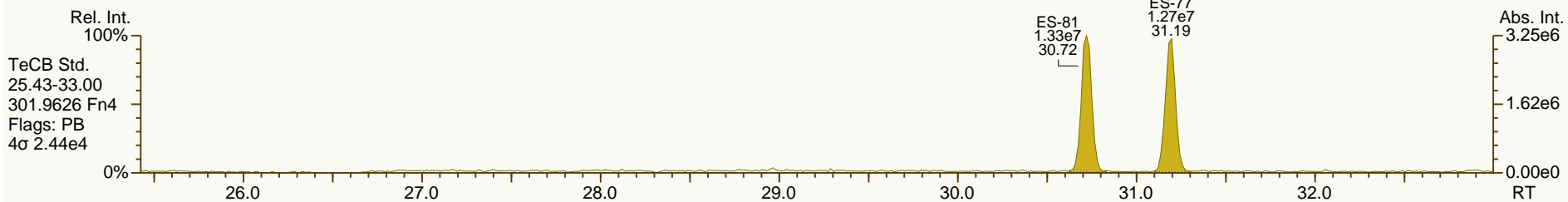
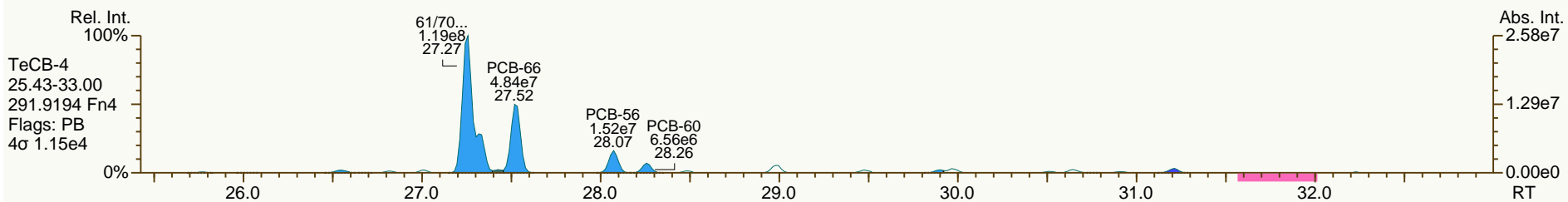
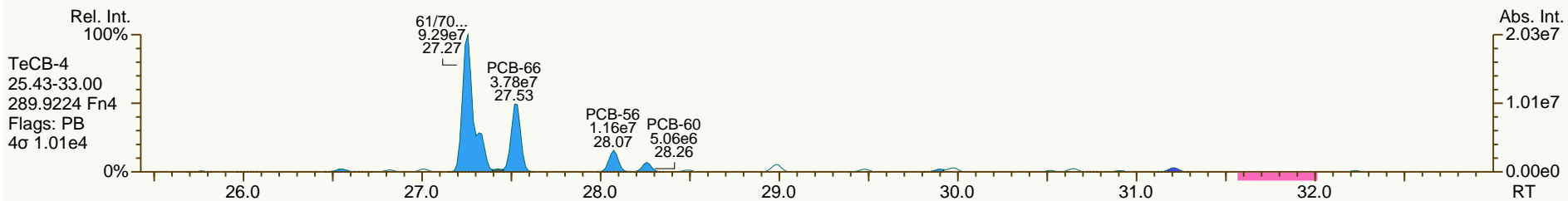
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Sample ID: JW-EA10-SS41-120507
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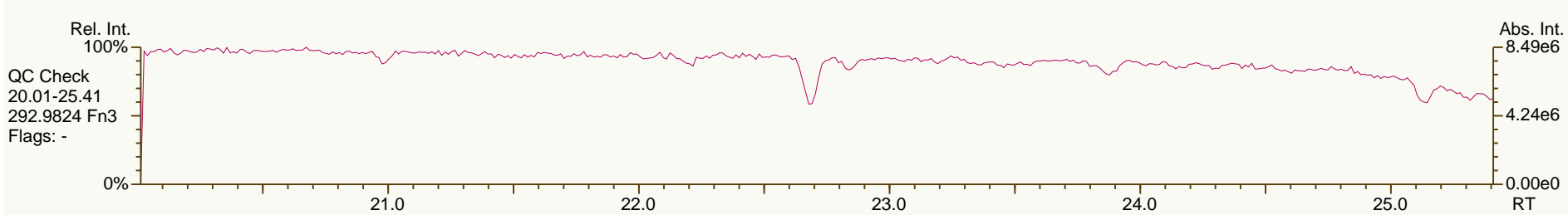
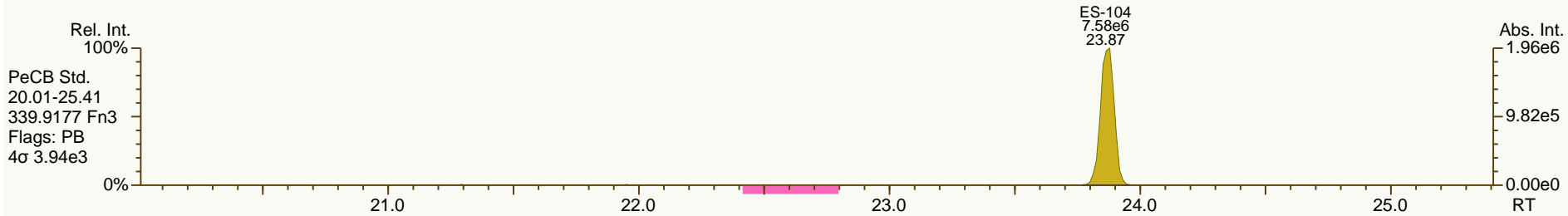
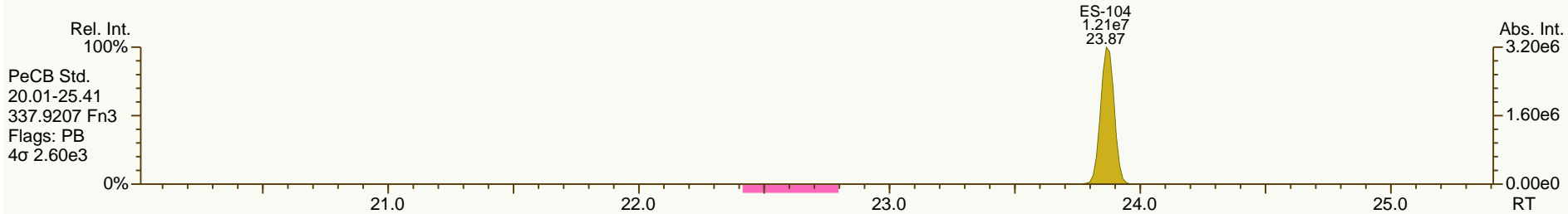
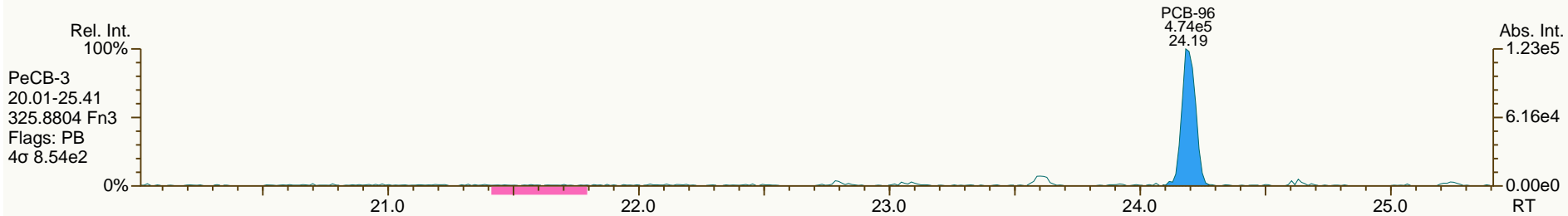
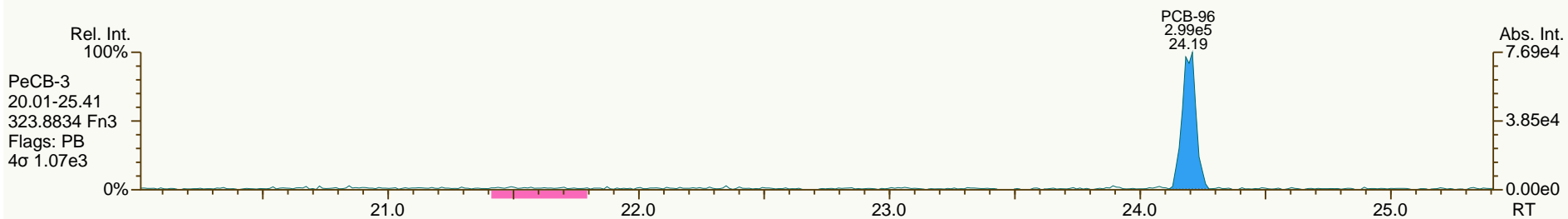
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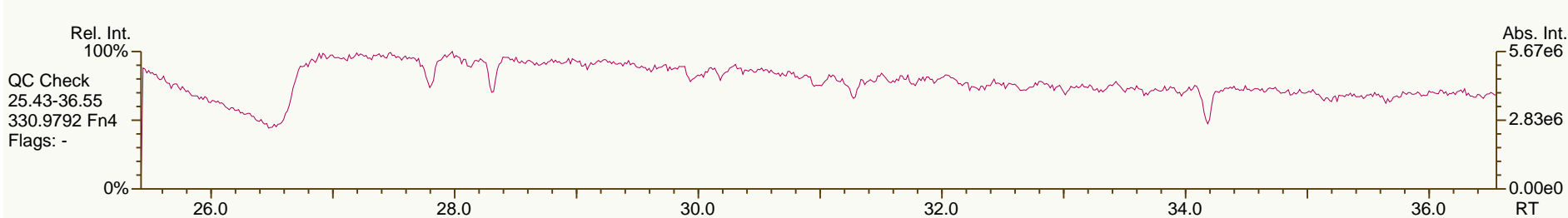
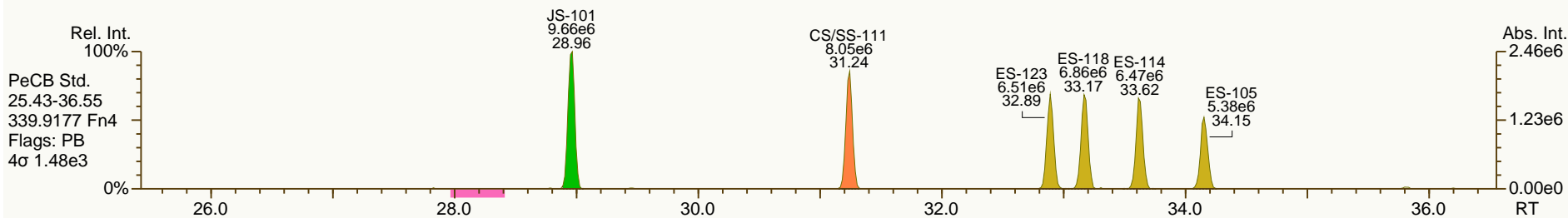
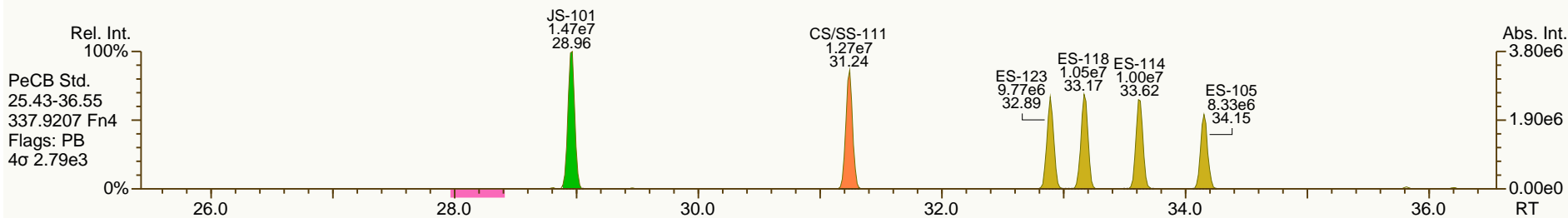
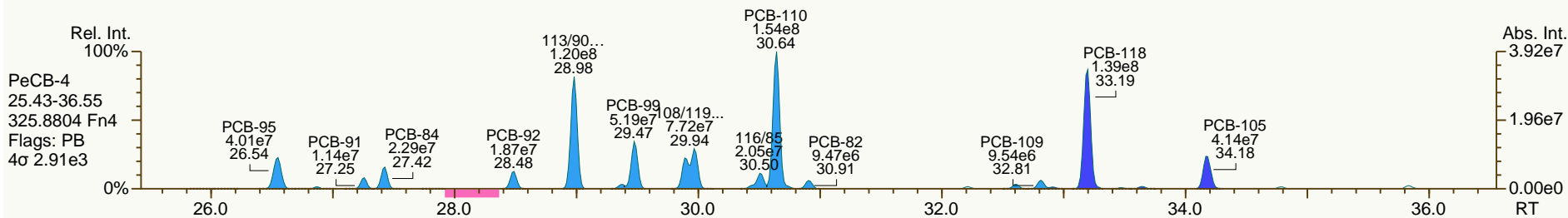
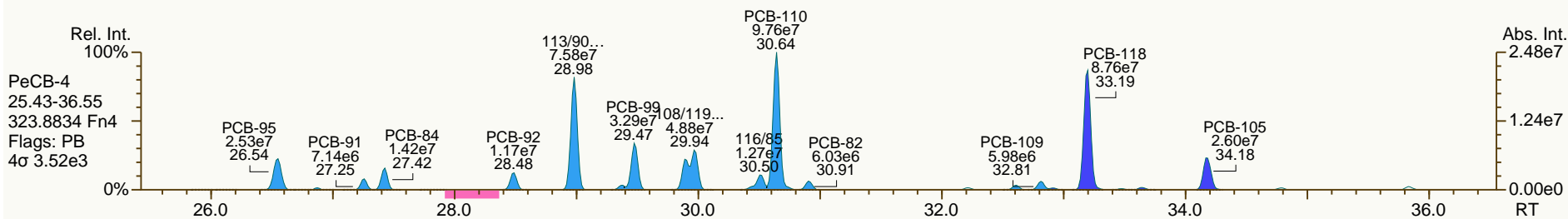
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

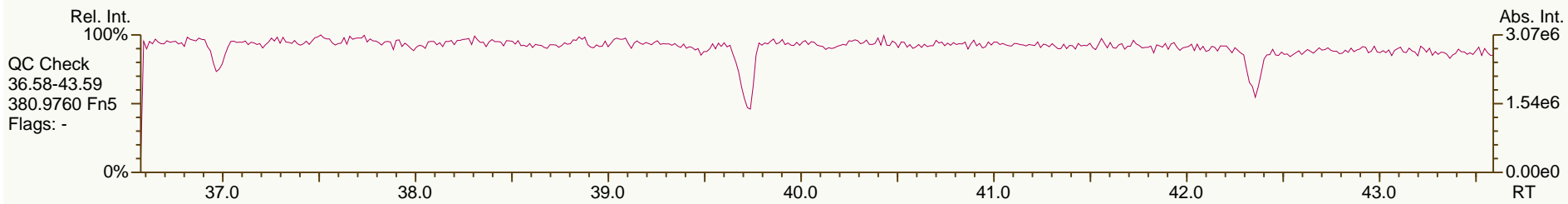
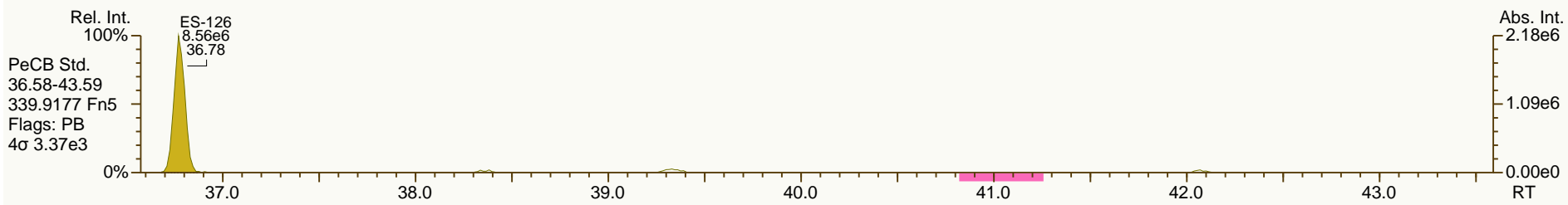
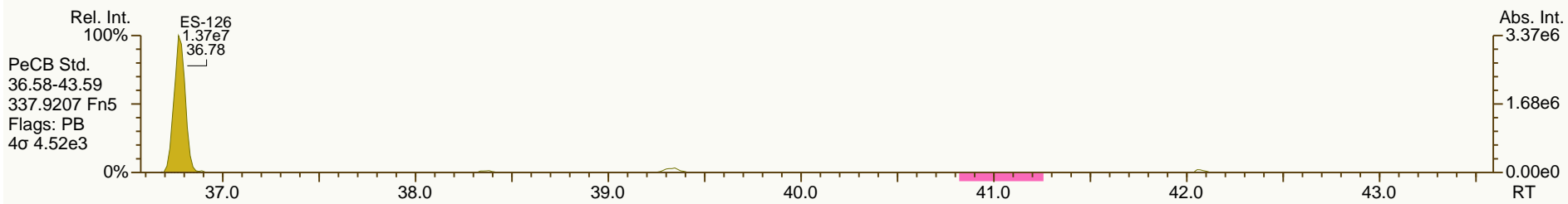
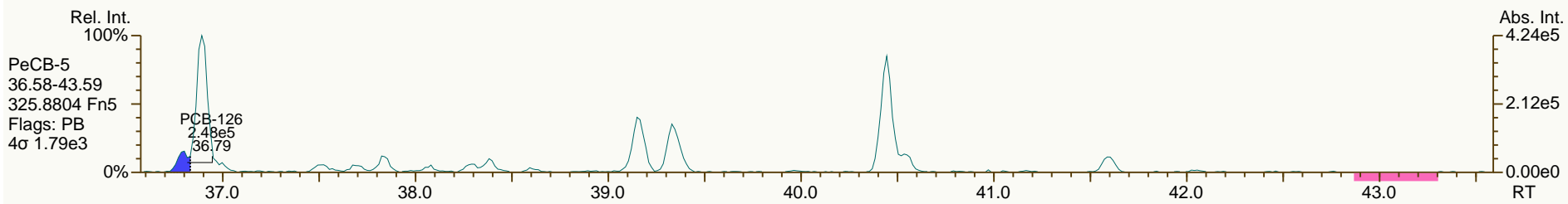
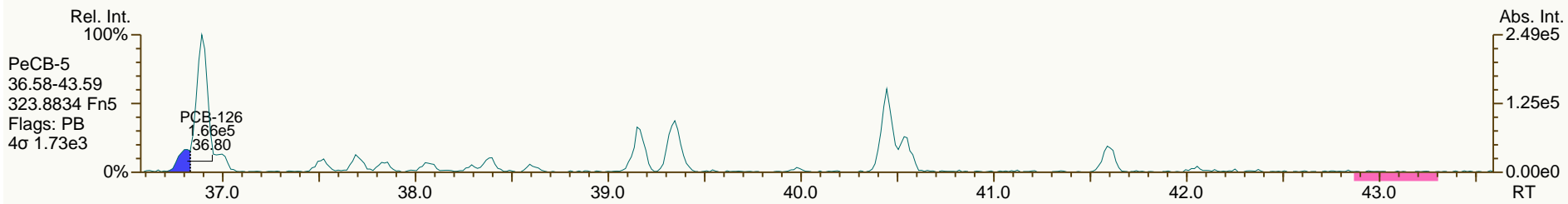
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

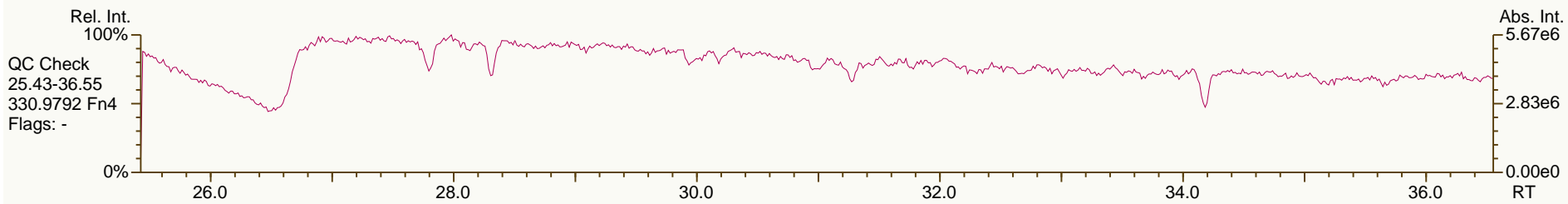
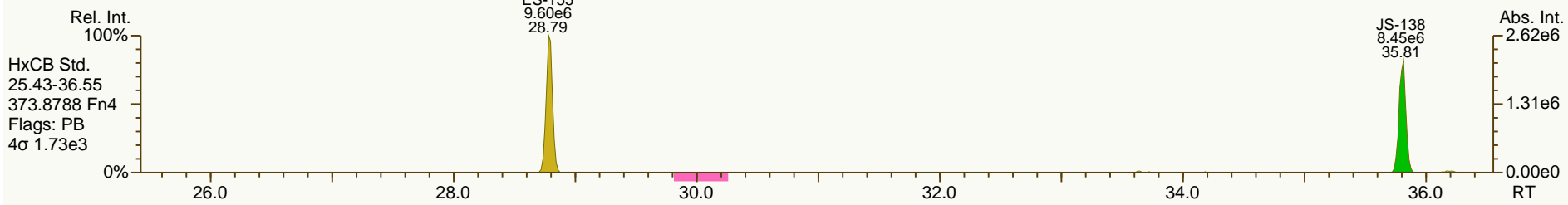
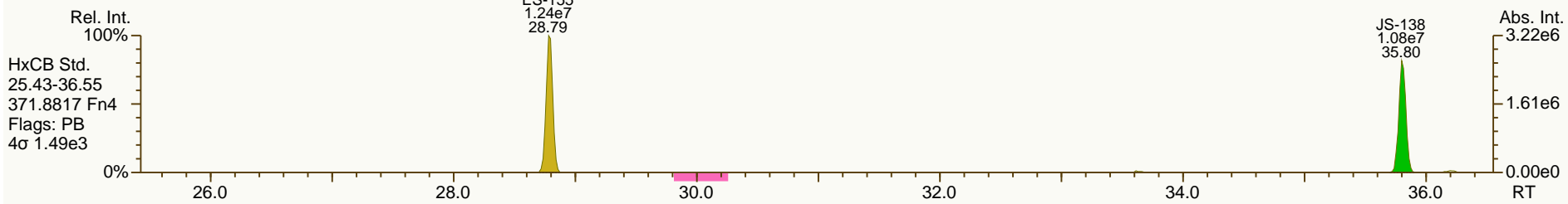
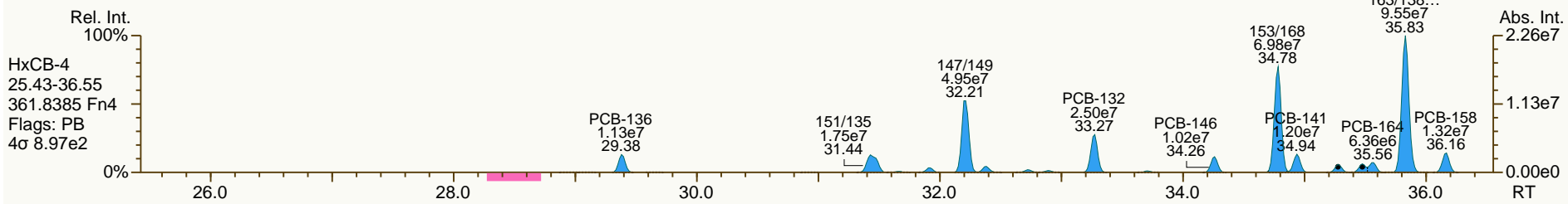
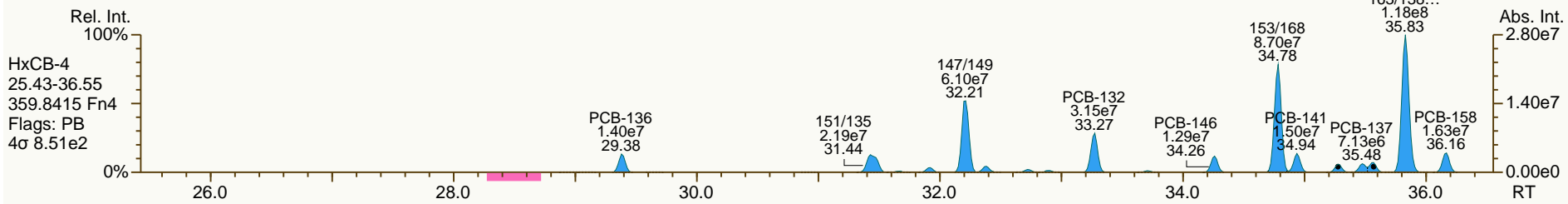
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

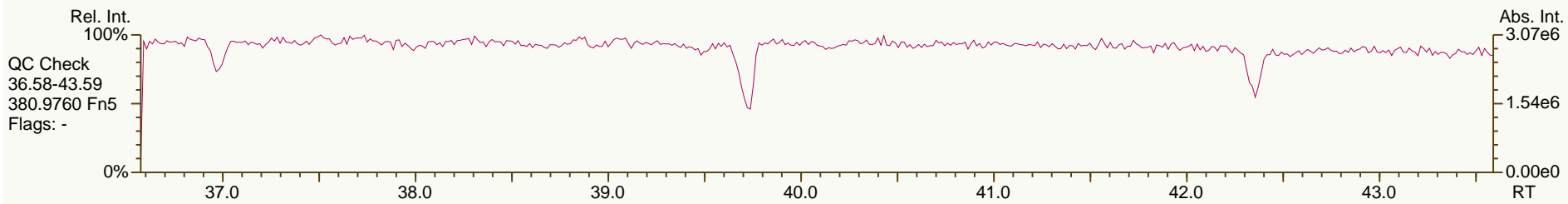
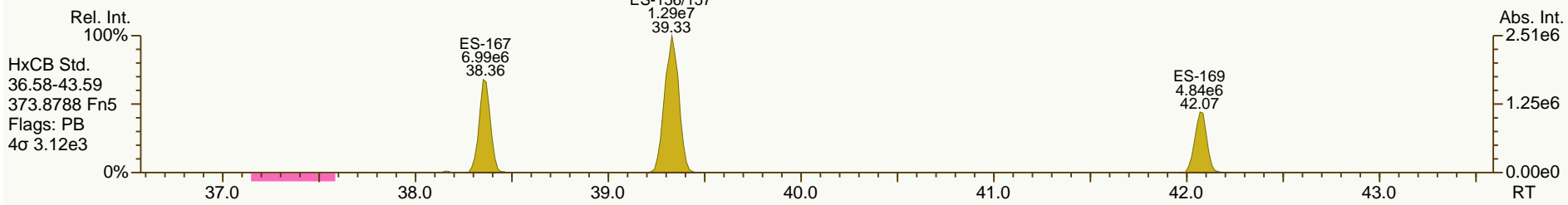
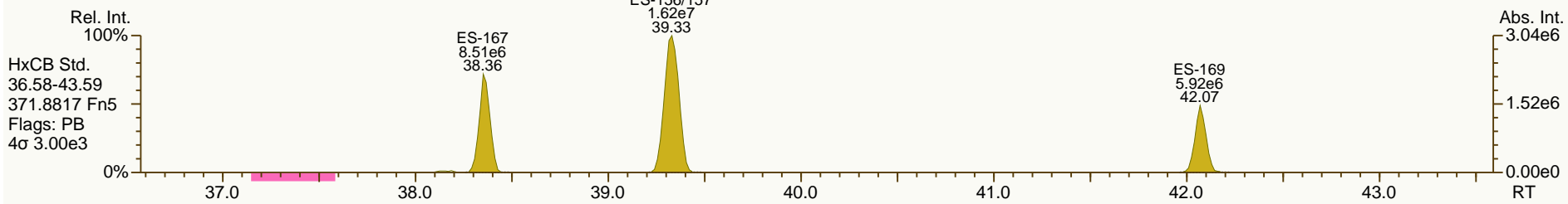
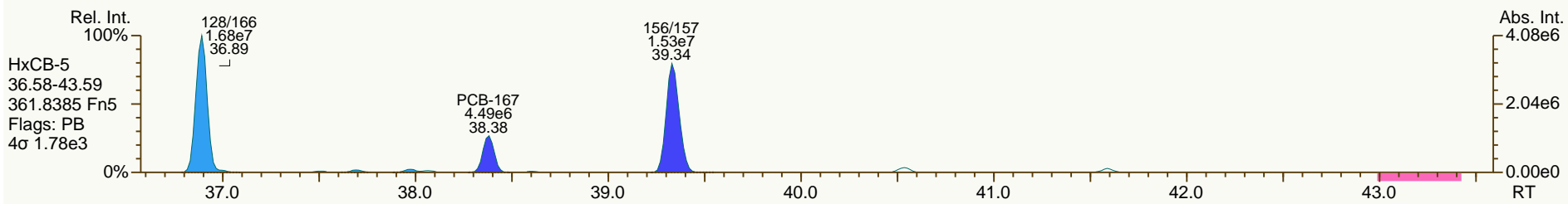
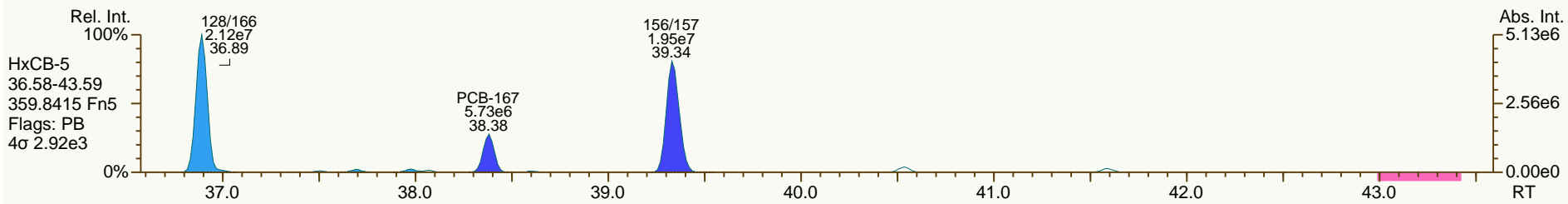
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

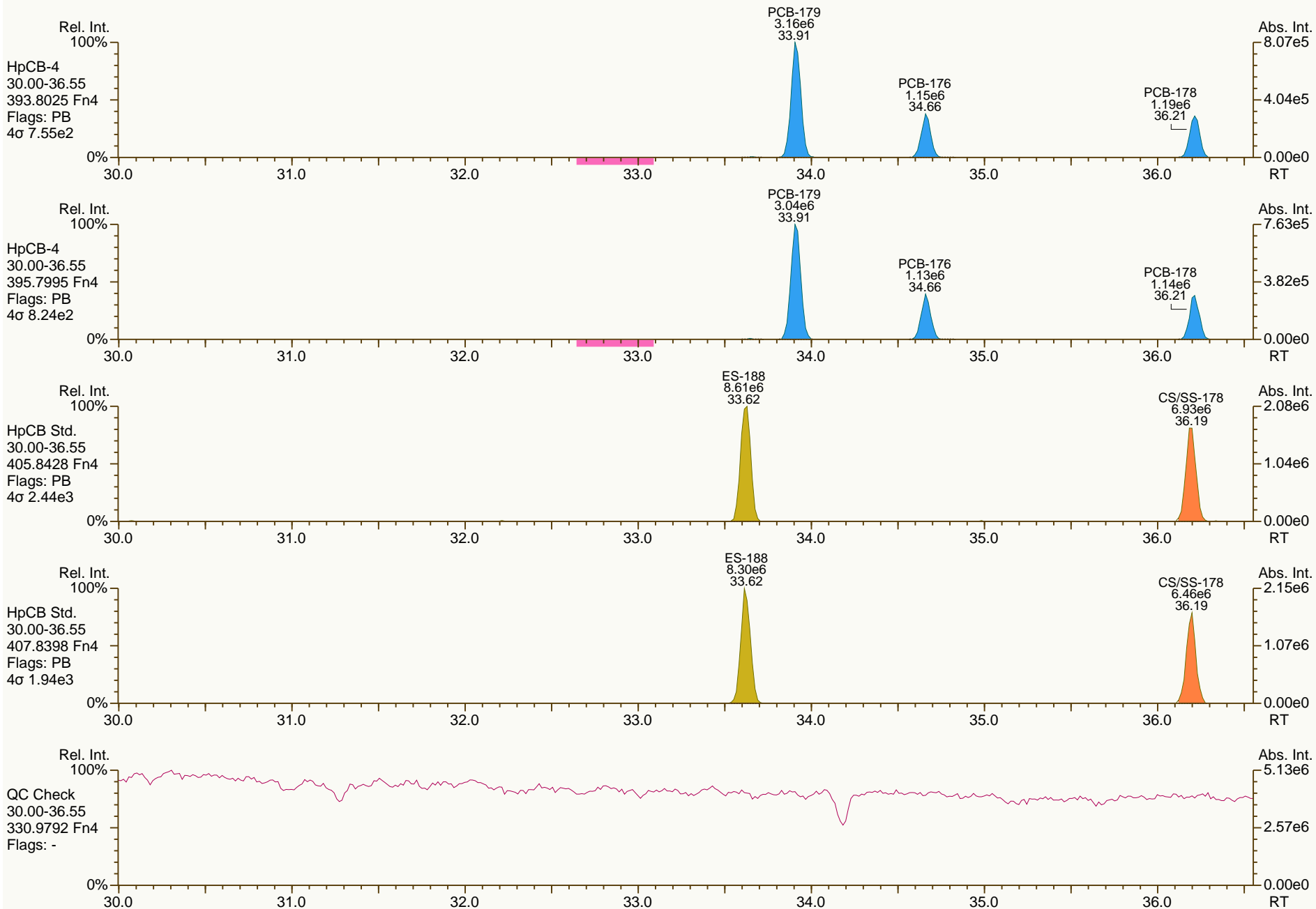
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

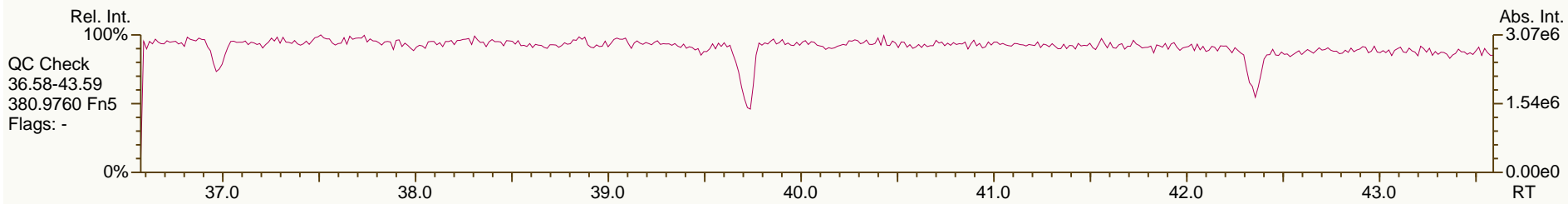
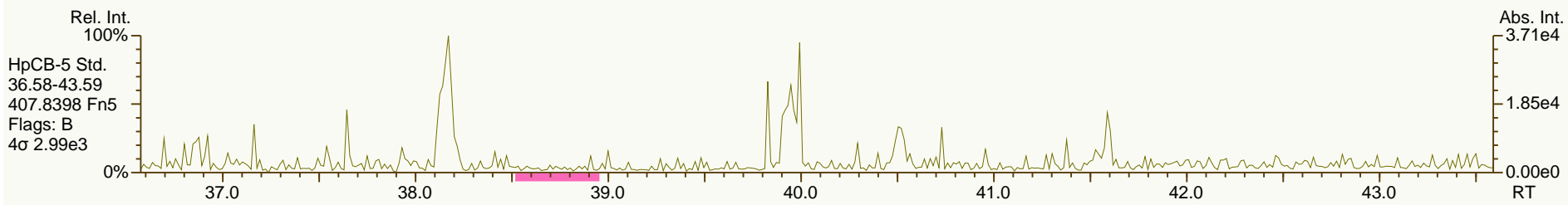
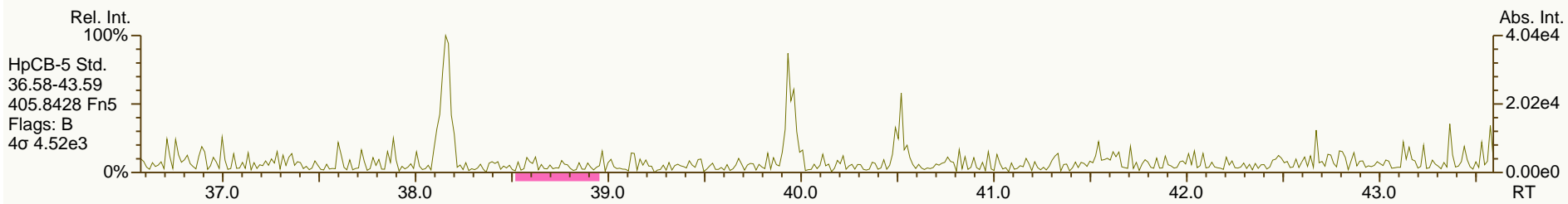
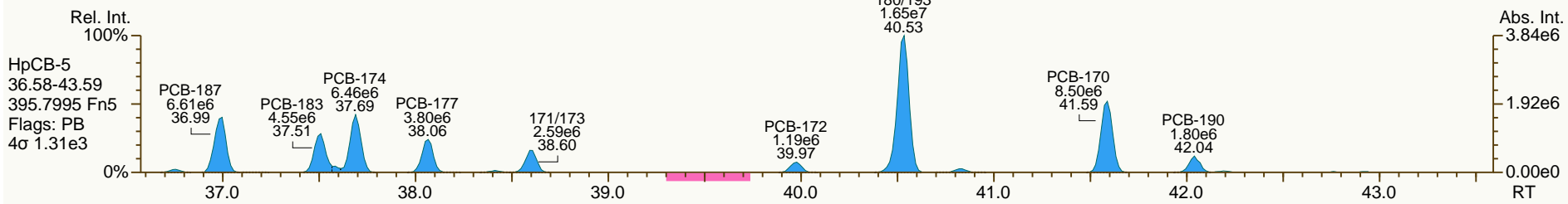
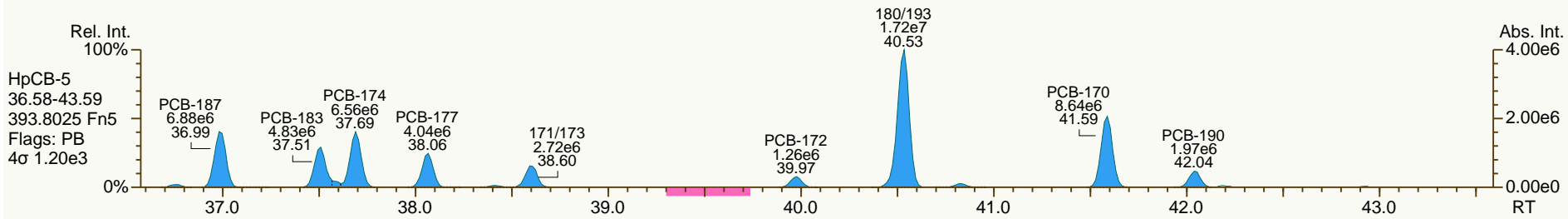
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

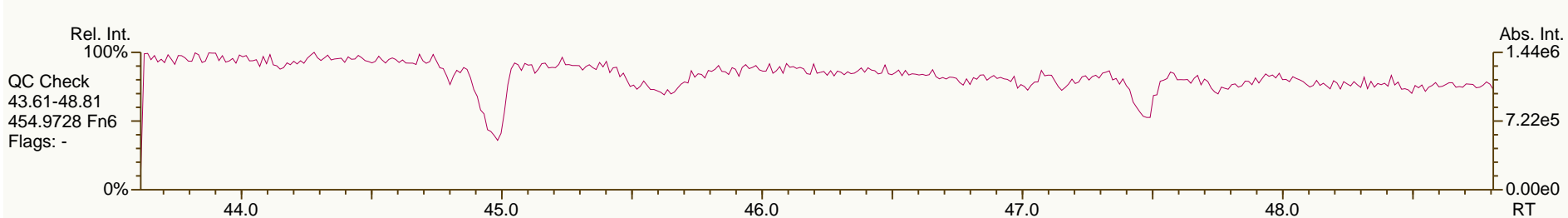
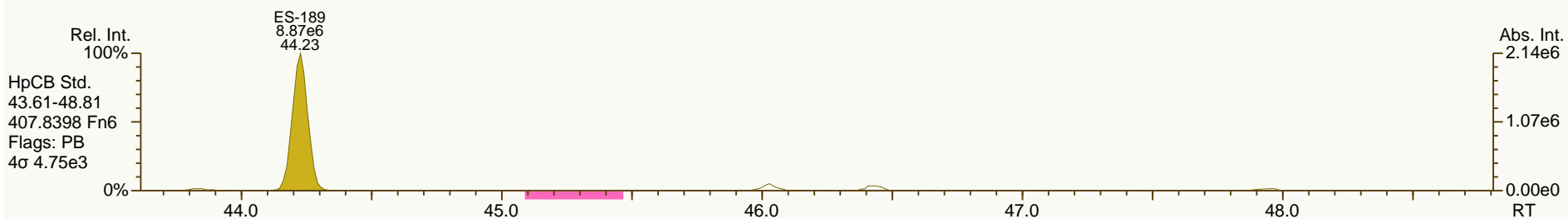
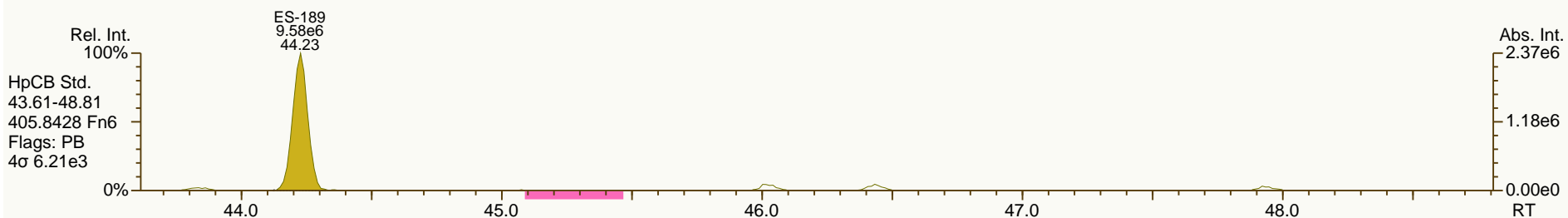
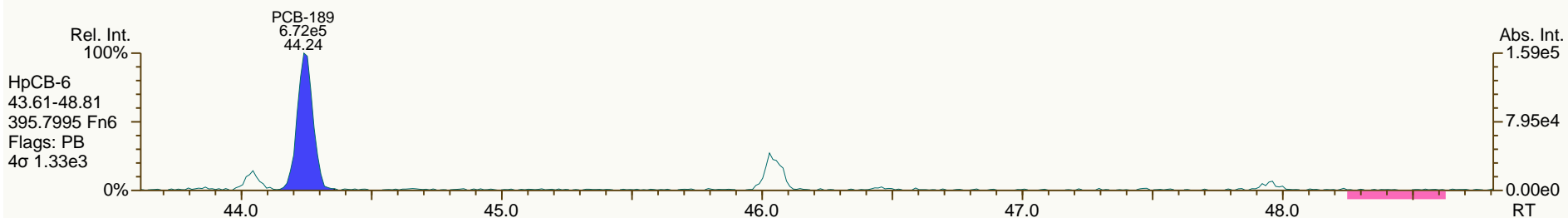
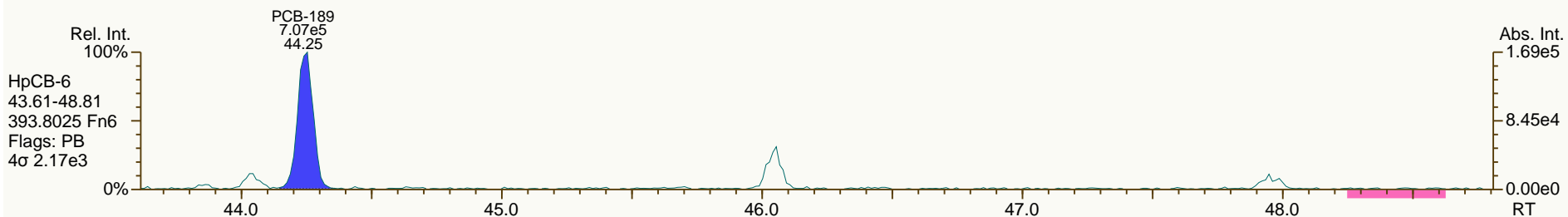
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

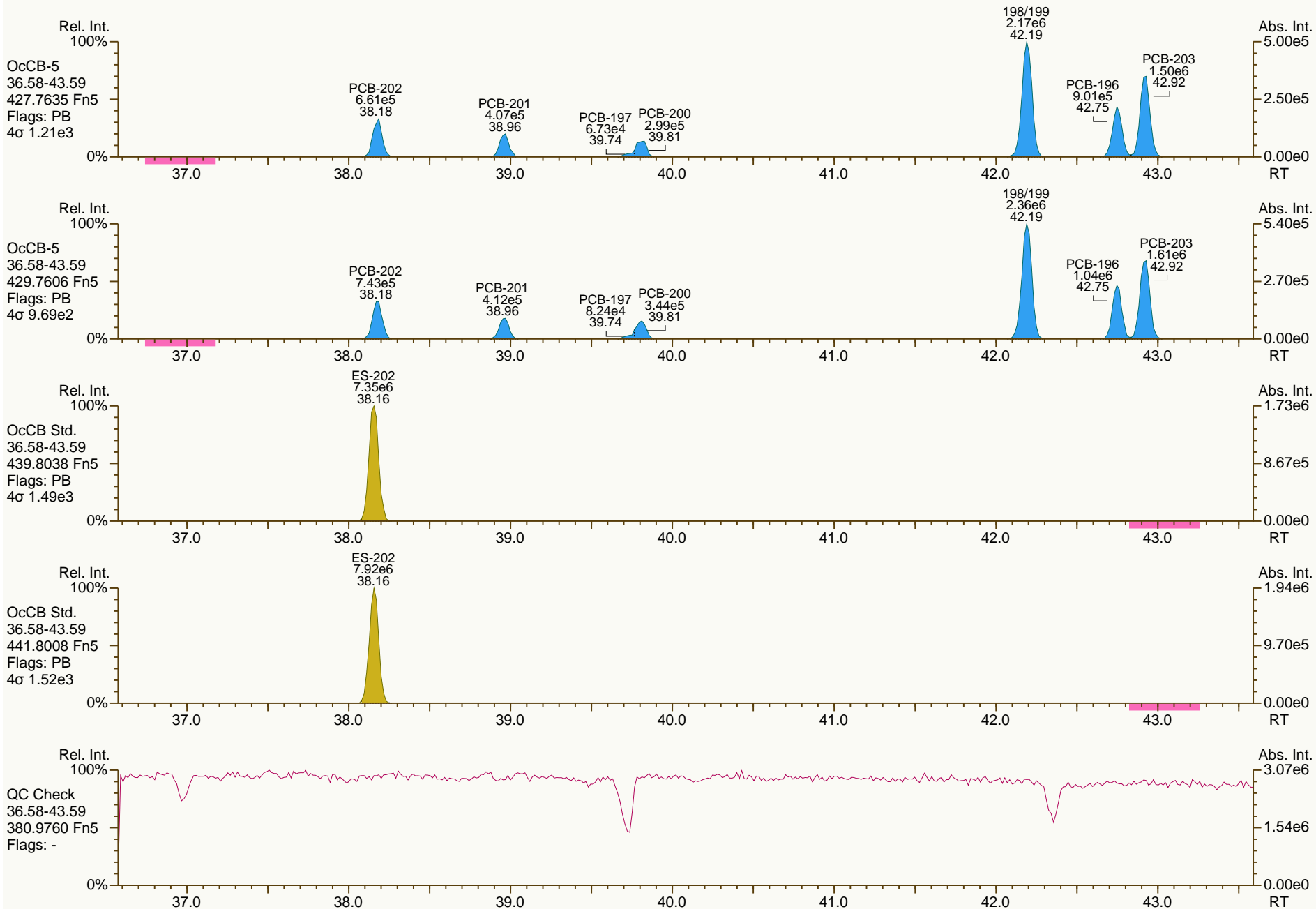
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

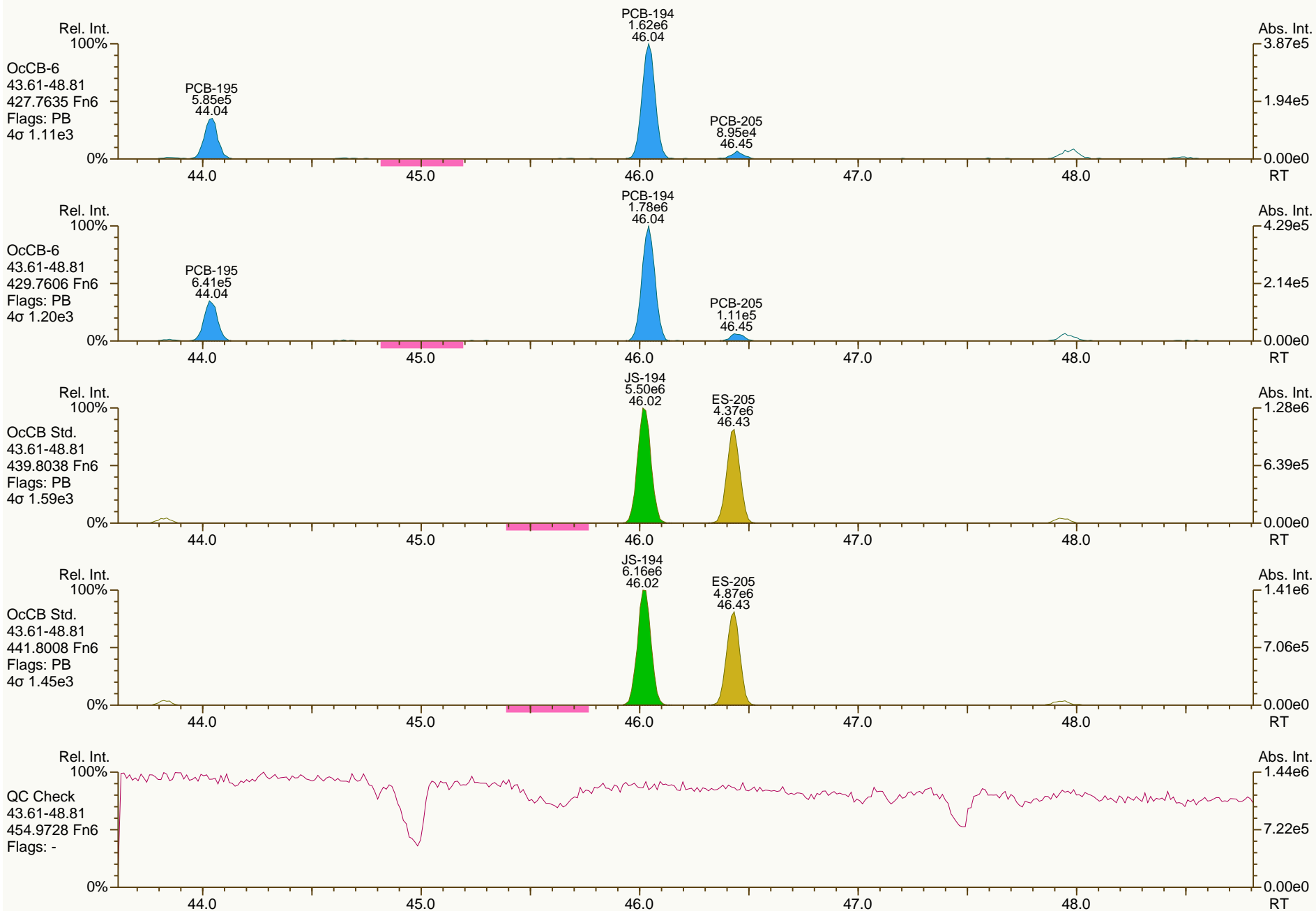
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
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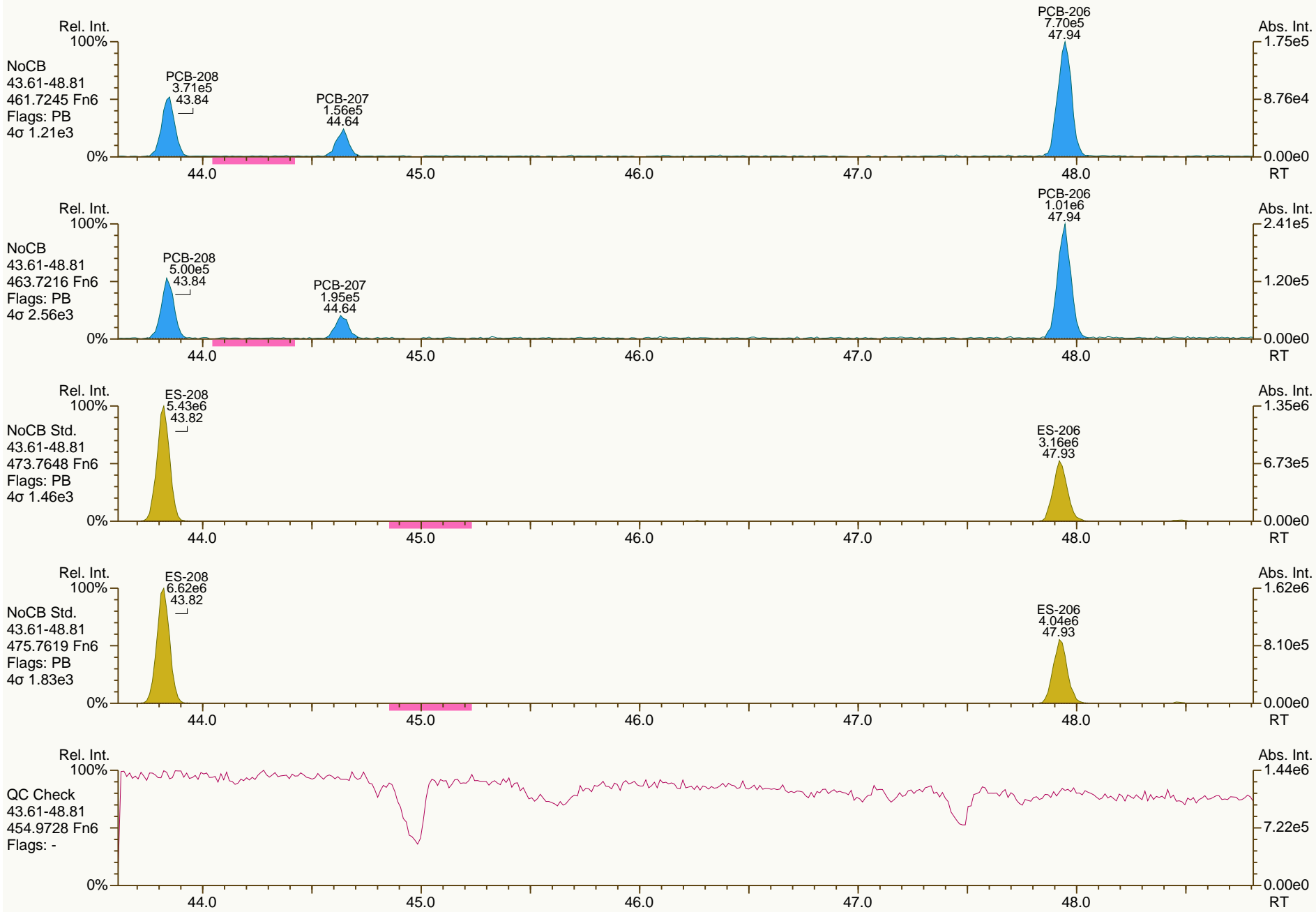
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

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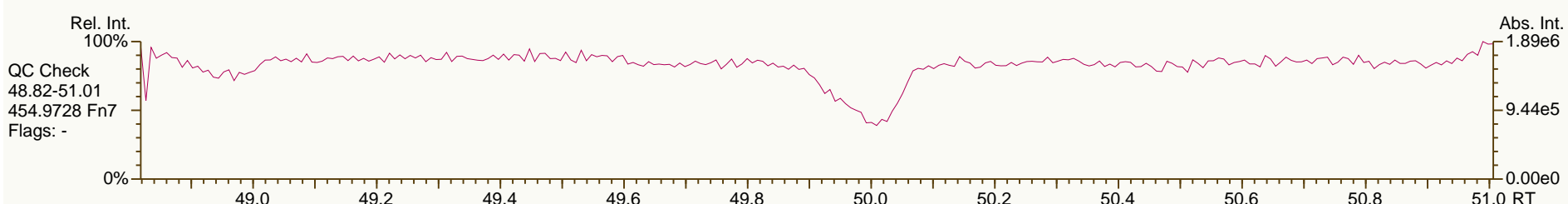
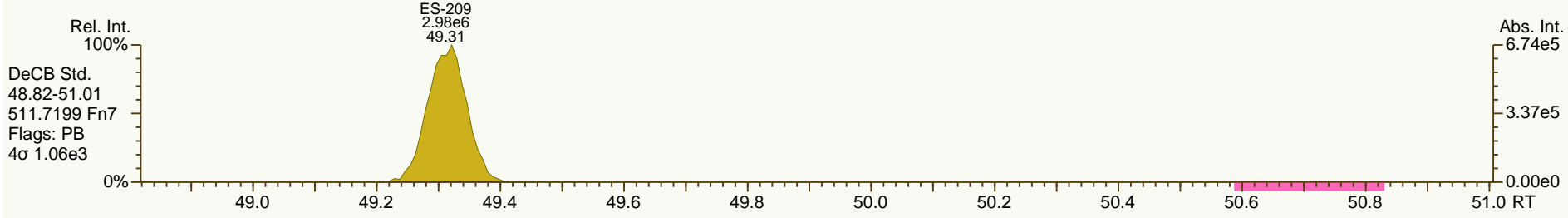
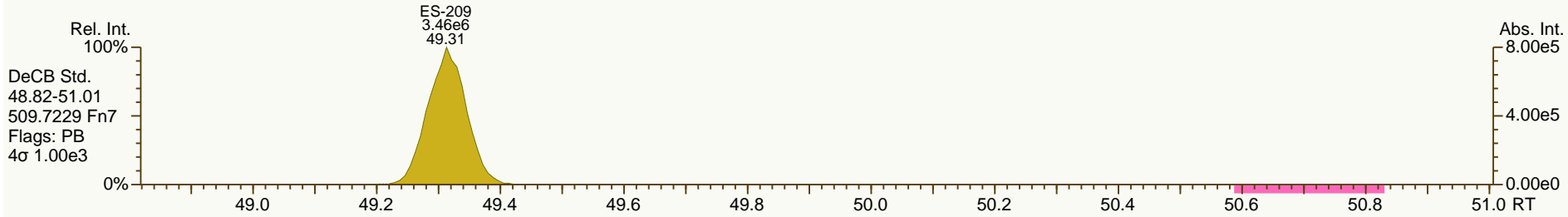
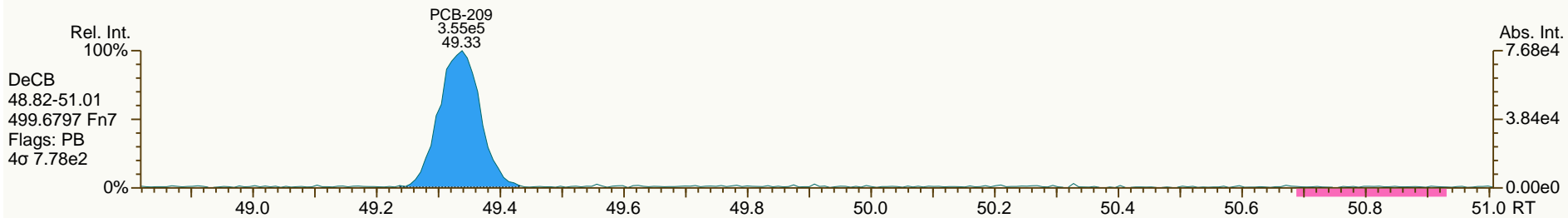
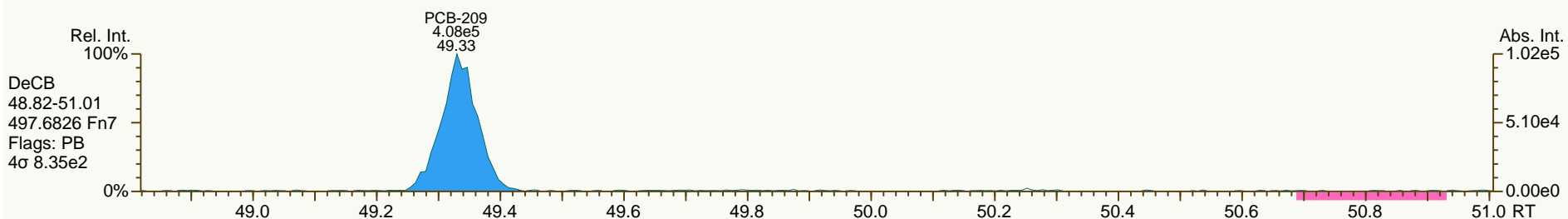
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

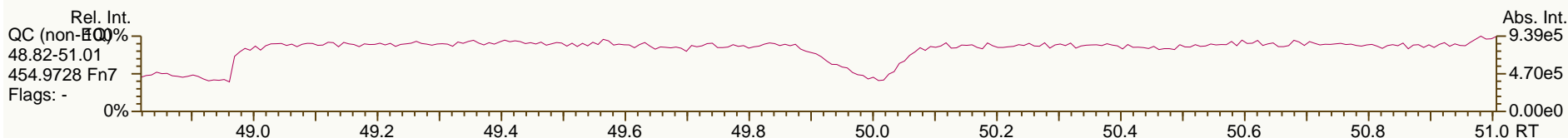
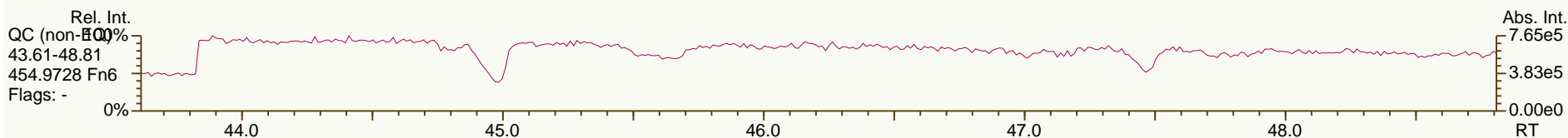
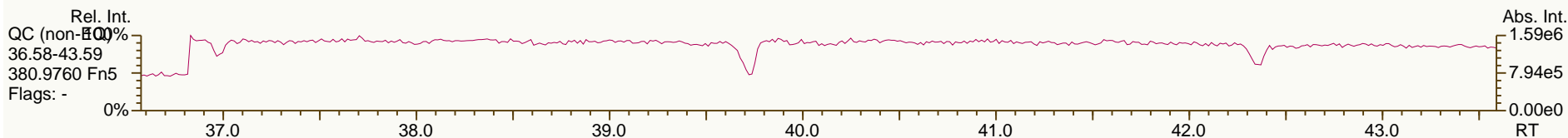
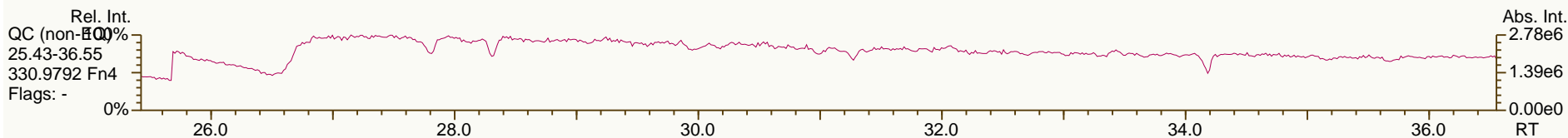
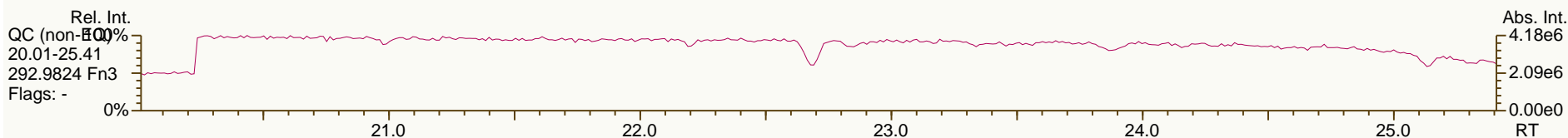
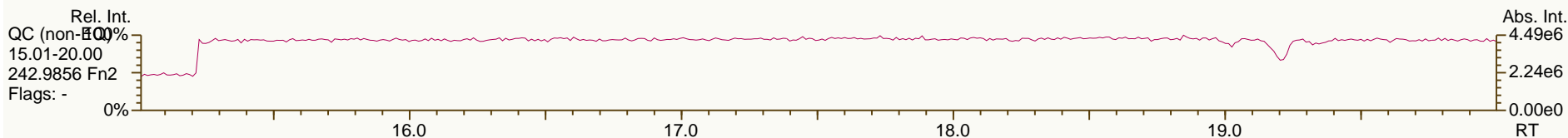
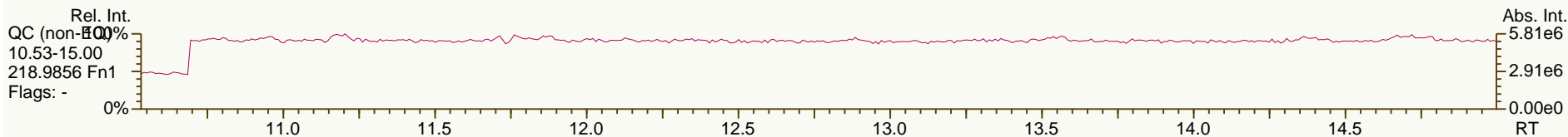
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AP Lab ID: A4373_9894_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS41-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 04-Jul-2012 00:35:27
 User: CEM Datafile: 120703V23



Lab ID: A4373_9894_PCB_004
 Client ID: JW-EA10-SS42-120507
 Datafile: 120703V24

ACQ: 04-Jul-2012 01:29:50 CEM
 UTP: 04-Jul-2012 12:04 CEM
 RPT: 04-Jul-2012 15:54 CM

Wt/Vol: 6.60 g
 J-level: 1.52 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 131-277-KHP
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	6.89E+06	0.78	1.11	52.4	4.65E+04	3.6
PCB-81 344'5'-TeCB	30.74		1.0005	1.0009	+0.7	3.89E+05	0.82	1.13	2.73	4.65E+04	3.21
PCB-105 233'44'-PeCB	34.17		1.0007	1.0007	0	1.69E+08	0.63	1.05	2,610	6.62E+03	1.03
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	6.62E+03	0.71
PCB-118 23'44'5'-PeCB	33.18	E	1.0008	1.0007	-0.2	5.97E+08	0.63	1.04	6,900	6.62E+03	0.777
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0008	+0.4	8.23E+06	0.63	1.01	99.4	6.62E+03	0.828
PCB-126 33'44'5'-PeCB	36.77		1.0005	1.0002	-0.7	5.64E+05	0.58	1.06	5.8	5.16E+03	0.547
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0002	-0.7	9.35E+07	1.25	1.16	1,170	3.83E+03	0.648
PCB-167 23'44'55'-HxCB	38.37		1.0006	1.0005	-0.2	2.70E+07	1.26	1.24	300	3.83E+03	0.427
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.83E+03	0.859
PCB-189 233'44'55'-HpCB	44.24		1.0004	1.0004	0	3.14E+06	1.07	1.05	34.6	3.50E+03	0.402
PCB-209 DeCB	49.32		1.0004	1.0004	0	1.10E+06	1.17	1.09	30.6	2.05E+03	0.641
ES PCB-1	10.95		0.7216	0.7215	-0.1	2.75E+07	3.36	1.02	53.8 %	4%	100%
ES PCB-3	13.07		0.8614	0.8612	-0.2	2.79E+07	3.40	1.02	54.5 %	11%	106%
ES PCB-4	13.30		0.8767	0.8765	-0.2	1.83E+07	1.61	0.68	53.5 %	14%	107%
ES PCB-15	18.74		1.2346	1.2351	+0.6	4.43E+07	1.65	1.06	83.5 %	19%	107%
ES PCB-19	16.21		1.0683	1.0684	+0.1	1.90E+07	1.05	0.49	76.7 %	1%	108%
ES PCB-37	24.92		1.0817	1.0823	+0.9	3.87E+07	1.13	1.51	89.1 %	25%	123%
ES PCB-54	19.00		0.8258	0.8254	-0.5	2.43E+07	0.78	1.37	61.6 %	13%	105%
ES PCB-77	31.18		1.3528	1.3542	+2.6	3.60E+07	0.83	1.17	107 %	31%	109%
ES PCB-81	30.71		1.3325	1.3339	+2.6	3.83E+07	0.83	1.13	118 %	14%	127%
ES PCB-104	23.86		0.8252	0.8242	-1.4	2.73E+07	1.52	1.90	54.7 %	36%	115%
ES PCB-105	34.14		1.1796	1.1793	-0.6	1.86E+07	1.59	1.15	61.9 %	50%	111%
ES PCB-114	33.61		1.1611	1.1610	-0.2	2.42E+07	1.56	1.22	75.8 %	41%	121%
ES PCB-118	33.16		1.1454	1.1454	0	2.52E+07	1.55	1.24	77.3 %	49%	111%
ES PCB-123	32.88		1.1358	1.1357	-0.2	2.49E+07	1.59	1.29	73.6 %	49%	116%
ES PCB-126	36.77		1.2698	1.2699	+0.2	2.79E+07	1.63	1.40	76.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8040	0	3.19E+07	1.29	1.45	109 %	25%	124%
ES PCB-156/157	39.32		1.0982	1.0985	+0.7	4.16E+07	1.24	0.94	109 %	40%	120%
ES PCB-167	38.35		1.0711	1.0713	+0.5	2.20E+07	1.25	0.93	117 %	45%	118%
ES PCB-169	42.06		1.1746	1.1752	+1.5	1.23E+07	1.25	0.88	69.8 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7305	-1.4	2.52E+07	1.08	1.52	82.3 %	23%	125%
ES PCB-189	44.22		0.9611	0.9610	-0.3	2.61E+07	1.09	2.05	95.4 %	47%	116%
ES PCB-202	38.14		0.8297	0.8290	-1.6	2.28E+07	0.90	1.21	93.4 %	31%	134%
ES PCB-205	46.42		1.0088	1.0088	0	1.40E+07	0.90	1.28	81.3 %	46%	115%
ES PCB-206	47.91		1.0412	1.0414	+0.6	1.06E+07	0.79	1.12	70.7 %	38%	122%
ES PCB-208	43.81		0.9525	0.9523	-0.5	1.79E+07	0.80	1.46	91.8 %	31%	126%
ES PCB-209	49.30		1.0713	1.0715	+0.6	1.00E+07	1.19	1.16	64.5 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.43		0.9310	0.9308	-0.3	4.09E+07	1.12	1.09	97 %	14%	131%
CS/SS PCB-111	31.23		1.0789	1.0787	-0.4	2.59E+07	1.56	0.93	111 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0108	0	1.79E+07	1.02	0.63	113 %	57%	125%
CS PCB-28	21.43		0.9310	0.9308	-0.3	4.09E+07	1.12	1.64	86.7 %	14%	131%
CS PCB-111	31.23		1.0789	1.0787	-0.4	2.59E+07	1.56	1.20	82.1 %	57%	112%
CS PCB-178	36.18		1.0108	1.0108	0	1.79E+07	1.02	0.95	93.4 %	57%	125%
JS PCB-9	15.17					5.00E+07	1.61				
JS PCB-52	23.03					2.87E+07	0.77				
JS PCB-101	28.95					2.62E+07	1.52				
JS PCB-138	35.79					2.02E+07	1.27				
JS PCB-194	46.01					1.34E+07	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			43.4		43.4		0.745	
			Di-CBs			248		250		1.91	
			Tri-CBs			816		816		0.853	
			Tetra-CBs			9,240		9,240		1.63	
			Penta-CBs			42,800		42,800		0.68	
			Hexa-CBs			28,000		28,000		0.523	
			Hepta-CBs			3,890		3,890		0.414	
			Octa-CBs			825		825		0.439	
			Nona-CBs			211		211		1.19	
PCB-1 2-MoCB	10.96		1.0011	1.0010	-0.1	1.48E+06	2.87	1.00	16.4	1.08E+04	0.681
PCB-2 3-MoCB	12.91		0.9879	0.9879	0	1.16E+06	2.76	1.31	9.65	1.08E+04	0.593
PCB-3 4-MoCB	13.08		1.0010	1.0010	0	1.53E+06	3.06	0.96	17.3	1.08E+04	0.808
PCB-4 22'-DiCB	13.32		1.0011	1.0012	+0.1	6.63E+05	1.57	0.82	13.4	1.71E+04	2.39
PCB-10 26'-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.71E+04	1.34
PCB-9 25'-DiCB	15.19	EMPC	1.0010	1.0012	+0.2	2.34E+05	1.99	0.95	1.69	2.32E+04	1.44
PCB-7 24'-DiCB	15.34	J	1.0113	1.0111	-0.2	2.29E+05	1.57	1.10	1.42	2.32E+04	1.25
PCB-6 23'-DiCB	15.56		1.0252	1.0253	+0.1	1.19E+06	1.46	1.03	7.94	2.32E+04	1.33
PCB-5 23'-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.32E+04	1.32
PCB-8 24'-DiCB	15.96		1.0517	1.0517	0	5.66E+06	1.54	1.04	37.2	2.32E+04	1.32
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.32E+04	1.1
PCB-11 33'-DiCB	18.20		0.9713	0.9712	-0.1	2.17E+07	1.54	1.06	140	2.32E+04	1.29
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9849	-1.3	8.34E+05	1.54	1.07	5.31	2.32E+04	1.28
PCB-15 44'-DiCB	18.76		1.0008	1.0008	0	6.01E+06	1.54	0.95	43.1	2.32E+04	1.44
PCB-19 22'6-TrCB	16.23		1.0011	1.0009	-0.2	3.68E+05	0.93	0.92	6.38	7.08E+03	0.943
PCB-30/18 246/22'5-TrCB	17.93	C	1.1054	1.1060	+0.6	5.85E+06	1.03	1.27	73.8	7.08E+03	0.684
PCB-17 22'4-TrCB	18.31		1.1291	1.1294	+0.3	2.35E+06	1.02	1.07	35.1	7.08E+03	0.811
PCB-27 23'6-TrCB	18.50		1.1406	1.1408	+0.2	7.07E+05	1.14	1.46	7.71	7.08E+03	0.593
PCB-24 236-TrCB	18.62	J	1.1484	1.1486	+0.2	8.92E+04	0.99	1.41	1.01	7.08E+03	0.617
PCB-16 22'3-TrCB	18.71		1.1537	1.1540	+0.3	1.62E+06	1.04	0.82	31.7	7.08E+03	1.06

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.18		1.1827	1.1830	+0.3	3.28E+06	1.02	1.52	34.4	7.08E+03	0.57
PCB-34 23'5'-TrCB	20.30	J	0.8155	0.8148	-0.9	1.76E+05	0.91	1.39	0.991	1.11E+04	0.588
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.11E+04	0.569
PCB-26/29 23'5'/245-TrCB	20.70	C	0.8324	0.8308	-2.0	5.79E+06	1.08	1.43	31.6	1.11E+04	0.571
PCB-25 23'4-TrCB	20.92		0.8401	0.8393	-1.0	2.75E+06	1.09	1.44	15	1.11E+04	0.568
PCB-31 24'5-TrCB	21.19		0.8509	0.8502	-0.9	2.99E+07	1.07	1.47	159	1.11E+04	0.556
PCB-28/20 244'/233'-TrCB	21.45	C	0.8618	0.8608	-1.3	3.53E+07	1.06	1.42	195	1.11E+04	0.577
PCB-21/33 234/23'4'-TrCB	21.66	C	0.8687	0.8690	+0.4	1.35E+07	1.06	1.44	73.4	1.11E+04	0.569
PCB-22 234'-TrCB	22.00		0.8834	0.8827	-0.9	9.74E+06	1.05	1.33	57.2	1.11E+04	0.614
PCB-36 33'5-TrCB	23.37		0.9382	0.9376	-0.8	3.67E+05	1.04	1.49	1.93	1.11E+04	0.551
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.11E+04	0.532
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.11E+04	0.595
PCB-35 33'4-TrCB	24.58		0.9866	0.9865	-0.1	1.17E+06	1.06	1.36	6.73	1.11E+04	0.602
PCB-37 344'-TrCB	24.94		1.0008	1.0009	+0.1	1.17E+07	1.06	1.07	85.4	1.11E+04	0.763
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.53E+03	0.35
PCB-50/53 22'46/22'56'-TeCB	20.94	C	0.9106	0.9092	-1.8	3.45E+06	0.79	0.60	45.4	3.76E+03	0.487
PCB-45 22'36-TeCB	21.53		0.9351	0.9348	-0.4	1.57E+06	0.81	0.53	23.5	3.76E+03	0.553
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	5.77E+05	0.82	0.59	7.75	3.76E+03	0.497
PCB-46 22'36'-TeCB	21.79		0.9469	0.9466	-0.4	6.69E+05	0.71	0.49	10.7	3.76E+03	0.592
PCB-52 22'55'-TeCB	23.05		1.0010	1.0009	-0.1	1.83E+08	0.77	0.59	2,450	3.76E+03	0.494
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.76E+03	0.382
PCB-43 22'35-TeCB	23.26		1.0101	1.0102	+0.1	7.16E+05	0.73	0.53	10.7	3.76E+03	0.551
PCB-69/49 23'46/22'45'-TeCB	23.48	C	1.0187	1.0196	+1.3	4.78E+07	0.77	0.72	523	3.76E+03	0.405
PCB-48 22'45-TeCB	23.73		1.0304	1.0305	+0.1	4.32E+06	0.75	0.60	57.3	3.76E+03	0.49
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0383	-1.9	7.57E+07	0.76	0.64	938	3.76E+03	0.458
PCB-59/62/75 ...-TeCB	24.21	C	1.0514	1.0515	+0.1	2.54E+06	0.76	0.81	24.9	3.76E+03	0.362
PCB-42 22'34'-TeCB	24.37		1.0582	1.0585	+0.4	7.19E+06	0.75	0.55	104	3.76E+03	0.536
PCB-41 22'34-TeCB	24.69		1.0722	1.0724	+0.3	1.25E+06	0.76	0.51	19.4	3.76E+03	0.572
PCB-71/40 23'4'6/22'33'-TeCB	24.80	C	1.0764	1.0770	+0.9	1.77E+07	0.78	0.60	233	3.76E+03	0.485
PCB-64 234'6-TeCB	25.00		1.0850	1.0857	+1.1	3.41E+07	0.76	0.86	313	3.76E+03	0.34
PCB-72 23'55'-TeCB	25.76		0.8379	0.8386	+1.1	8.23E+05	0.74	1.24	5.26	4.65E+04	2.93
PCB-68 23'45'-TeCB	26.03		0.8461	0.8474	+2.0	3.97E+05	0.83	1.31	2.39	4.65E+04	2.76
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	4.65E+04	3.07
PCB-58 233'5'-TeCB	26.54		0.8642	0.8641	-0.2	1.12E+07	0.77	1.21	73.5	4.65E+04	2.99
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	4.65E+04	2.87
PCB-63 234'5-TeCB	27.01		0.8765	0.8793	+4.5	4.82E+06	0.80	1.28	29.9	4.65E+04	2.84
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8877	+3.4	4.44E+08	0.78	1.21	2,910	4.65E+04	3
PCB-66 23'44'-TeCB	27.52		0.8947	0.8960	+2.1	1.25E+08	0.77	1.12	883	4.65E+04	3.23
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	4.65E+04	3.06
PCB-56 233'4'-TeCB	28.07		0.9132	0.9138	+1.0	4.63E+07	0.79	1.12	328	4.65E+04	3.24
PCB-60 2344'-TeCB	28.25		0.9193	0.9198	+0.8	2.03E+07	0.78	1.17	137	4.65E+04	3.1
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	4.65E+04	2.75
PCB-79 33'45'-TeCB	29.89		0.9730	0.9731	+0.2	8.92E+06	0.73	1.34	52.6	4.65E+04	2.7
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	4.65E+04	3.34
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.02E+03	0.191
PCB-96 22'366'-PeCB	24.19		1.0136	1.0136	0	1.81E+06	0.62	0.97	20.7	2.02E+03	0.2
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8954	+1.2	1.21E+06	0.63	0.87	16.9	6.62E+03	0.959
PCB-94 22'356'-PeCB	26.12		0.9008	0.9021	+2.0	7.17E+05	0.59	0.76	11.6	6.62E+03	1.11

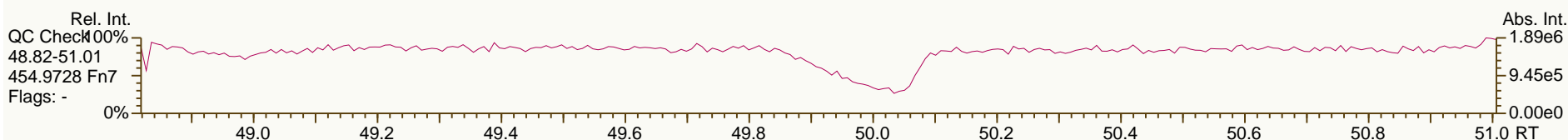
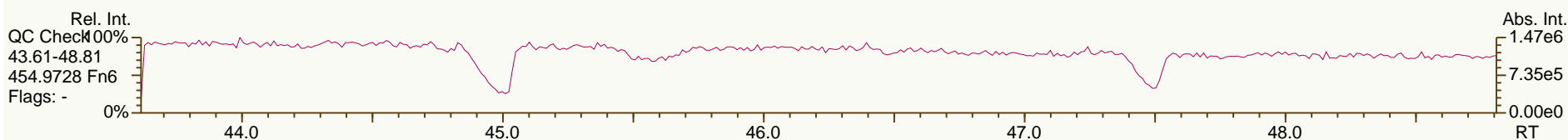
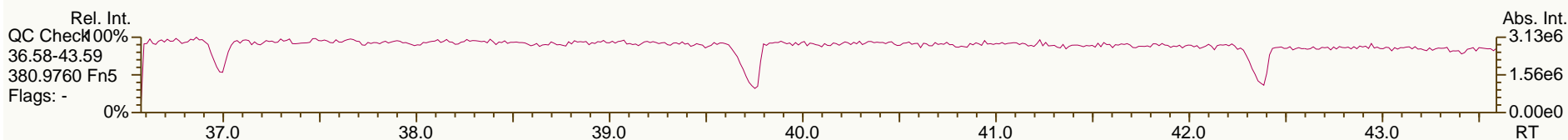
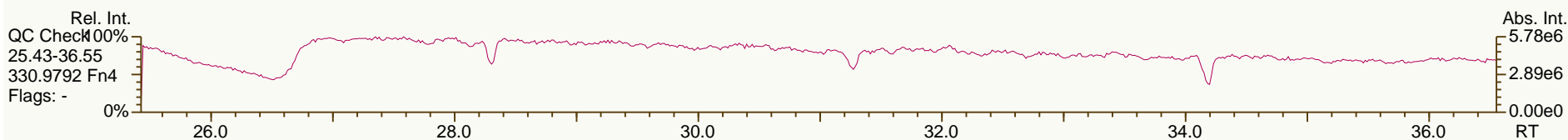
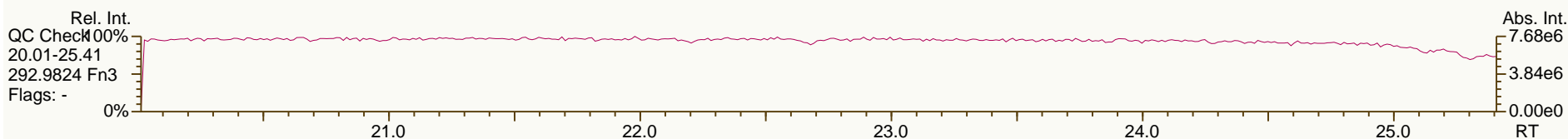
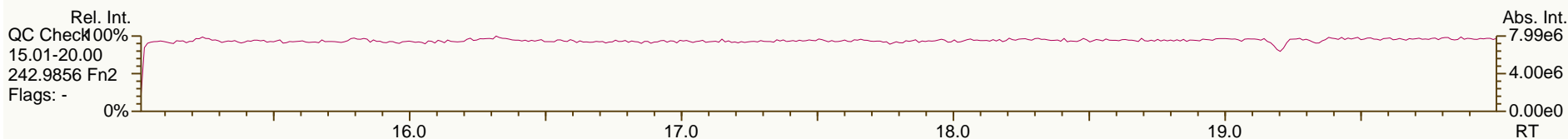
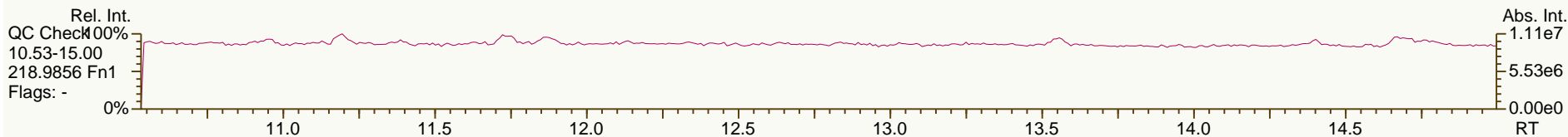
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.54		0.9137	0.9166	+4.6	1.68E+08	0.64	0.80	2,550	6.62E+03	1.04
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	6.62E+03	1.04
PCB-102 22'456'-PeCB	26.76		0.9247	0.9244	-0.5	1.42E+06	0.65	0.91	19.1	6.62E+03	0.923
PCB-98 22'34'6'-PeCB	26.87		0.9270	0.9282	+1.9	8.31E+06	0.64	0.76	134	6.62E+03	1.11
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	6.62E+03	1.12
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9412	+2.9	4.98E+07	0.63	0.87	696	6.62E+03	0.959
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9471	+2.3	9.16E+07	0.63	0.70	1,600	6.62E+03	1.2
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	2.29E+06	0.61	0.73	38.3	6.62E+03	1.15
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	6.62E+03	0.758
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	8.03E+07	0.63	0.77	1,280	6.62E+03	1.09
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	5.20E+08	0.63	0.91	6,980	6.62E+03	0.92
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	1.98E+07	0.64	0.68	356	6.62E+03	1.23
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	2.23E+08	0.63	0.82	3,310	6.62E+03	1.02
PCB-112 233'56-PeCB	29.59		1.0213	1.0222	+1.6	3.40E+05	0.58	1.07	3.87	6.62E+03	0.78
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0339	+1.6	3.56E+08	0.63	0.90	4,830	6.62E+03	0.929
PCB-117 234'56-PeCB	30.42		1.0513	1.0508	-0.9	1.14E+07	0.62	0.99	140	6.62E+03	0.845
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0535	-1.1	8.03E+07	0.63	0.92	1,060	6.62E+03	0.907
PCB-110 233'4'6-PeCB	30.63	E	1.0584	1.0582	-0.4	6.82E+08	0.64	0.98	8,470	6.62E+03	0.852
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	6.62E+03	0.8
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0673	-0.7	4.12E+07	0.63	0.64	783	6.62E+03	1.3
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	6.62E+03	0.815
PCB-120 23'455'-PeCB	31.65		1.0931	1.0931	0	4.88E+05	0.58	1.09	5.43	6.62E+03	0.763
PCB-107/124 ...-PeCB	32.60	C	0.9913	0.9914	+0.2	2.44E+07	0.62	0.95	311	6.62E+03	0.876
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	3.98E+07	0.62	1.05	462	6.62E+03	0.796
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	6.62E+03	0.921
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	5.98E+06	0.62	1.01	74	6.62E+03	0.81
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	6.62E+03	1.16
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.158
PCB-152 22'3566'-HxCB	28.94		1.0057	1.0056	-0.2	6.72E+05	1.27	1.03	6.18	1.92E+03	0.159
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0108	-0.2	5.64E+05	1.17	1.01	5.33	1.92E+03	0.163
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	6.53E+07	1.24	0.96	649	1.92E+03	0.171
PCB-145 22'3466'-HxCB	29.65		1.0303	1.0302	-0.2	2.81E+05	1.17	0.97	2.75	1.92E+03	0.169
PCB-148 22'34'56'-HxCB	30.93		1.0750	1.0748	-0.4	2.71E+05	1.30	0.73	3.52	1.92E+03	0.224
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0923	-0.6	9.97E+07	1.24	0.71	1,340	1.92E+03	0.232
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.201
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1087	-0.4	1.81E+07	1.23	0.72	240	1.92E+03	0.228
PCB-147/149 ...-HxCB	32.20	C	1.1193	1.1189	-0.8	3.02E+08	1.25	0.74	3,900	1.92E+03	0.222
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1249	-0.4	2.59E+07	1.24	0.63	393	1.92E+03	0.262
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.244
PCB-139/140 ...-HxCB	32.72	C	1.1372	1.1368	-0.8	1.13E+07	1.24	0.70	153	1.92E+03	0.234
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1427	-0.2	7.82E+06	1.22	0.62	120	1.92E+03	0.265
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.265
PCB-132 22'33'46'-HxCB	33.26		1.1559	1.1557	-0.4	1.56E+08	1.24	0.63	2,360	1.92E+03	0.26
PCB-133 22'33'55'-HxCB	33.70		1.1710	1.1709	-0.2	5.17E+06	1.28	0.68	72.8	1.92E+03	0.242
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.2
PCB-146 22'34'55'-HxCB	34.25		0.9569	0.9568	-0.2	5.37E+07	1.25	0.72	710	1.92E+03	0.228
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.18
PCB-153/168 ...-HxCB	34.77	C	0.9720	0.9714	-1.3	3.95E+08	1.24	0.85	4,440	1.92E+03	0.194

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.93		0.9758	0.9758	0	7.02E+07	1.24	0.68	982	1.92E+03	0.241
PCB-130 22'33'45'-HxCB	35.27		0.9853	0.9853	0	3.08E+07	1.24	0.60	488	1.92E+03	0.273
PCB-137 22'344'5'-HxCB	35.47		0.9908	0.9908	0	3.44E+07	1.23	0.64	514	1.92E+03	0.258
PCB-164 233'4'5'6'-HxCB	35.55		0.9931	0.9931	0	3.92E+07	1.25	0.91	410	1.92E+03	0.18
PCB-163/138/129 ...-HxCB	35.82	C	1.0011	1.0007	-0.9	5.45E+08	1.24	0.71	7,330	1.92E+03	0.232
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.195
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0100	-0.2	7.86E+07	1.23	0.89	840	1.92E+03	0.184
PCB-128/166 ...-HxCB	36.88	C	0.9619	0.9618	-0.2	9.92E+07	1.27	0.93	1,470	3.83E+03	0.573
PCB-159 233'455'-HxCB	37.68		0.9838	0.9826	-2.7	1.57E+06	1.31	1.15	18.8	3.83E+03	0.462
PCB-162 233'4'55'-HxCB	37.96		0.9900	0.9900	0	2.28E+06	1.25	1.08	29.1	3.83E+03	0.492
PCB-188 22'34'566'-HpCB	33.63	J EMPC	1.0006	1.0005	-0.2	5.62E+04	1.21	0.94	0.717	1.75E+03	0.213
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.29E+07	1.03	0.93	168	1.75E+03	0.217
PCB-184 22'344'66'-HpCB	34.37	J EMPC	1.0225	1.0226	+0.2	4.60E+04	0.73	0.96	0.577	1.75E+03	0.209
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0310	+0.2	5.22E+06	1.06	1.04	60.2	1.75E+03	0.192
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.75E+03	0.203
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0771	+0.4	4.81E+06	1.07	0.72	80.4	1.75E+03	0.279
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0932	+0.7	1.39E+06	1.05	0.74	22.7	3.18E+03	0.495
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1000	+0.4	2.29E+07	1.04	0.80	346	3.18E+03	0.459
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	3.18E+03	0.448
PCB-183 22'344'5'6'-HpCB	37.49		1.1152	1.1155	+0.7	2.01E+07	1.04	0.82	296	3.18E+03	0.448
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1178	+0.9	1.76E+06	1.07	0.78	27.3	3.18E+03	0.471
PCB-174 22'33'456'-HpCB	37.68		1.1207	1.1209	+0.5	2.71E+07	1.07	0.72	450	3.18E+03	0.504
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1321	+0.5	1.61E+07	1.04	0.62	312	3.18E+03	0.59
PCB-181 22'344'56'-HpCB	38.40		1.1422	1.1425	+0.7	9.79E+05	1.07	0.78	15.1	3.18E+03	0.467
PCB-171/173 ...-HpCB	38.59	C	1.1474	1.1480	+1.4	1.17E+07	1.02	0.67	211	3.18E+03	0.546
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9038	-1.0	5.36E+06	1.06	0.71	88.3	3.18E+03	0.546
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	3.18E+03	0.396
PCB-180/193 ...-HpCB	40.52	C	0.9160	0.9164	+1.0	7.10E+07	1.03	0.82	1,000	3.18E+03	0.469
PCB-191 233'44'5'6'-HpCB	40.82		0.9234	0.9232	-0.5	1.92E+06	1.03	0.99	22.6	3.18E+03	0.391
PCB-170 22'33'44'5'-HpCB	41.58		0.9406	0.9403	-0.7	3.73E+07	1.04	0.67	643	3.18E+03	0.571
PCB-190 233'44'56'-HpCB	42.03		0.9509	0.9506	-0.8	8.09E+06	1.03	0.88	106	3.18E+03	0.435
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0005	-0.2	3.70E+06	0.87	0.86	57.5	2.38E+03	0.361
PCB-201 22'33'45'66'-OoCB	38.95		1.0211	1.0211	0	1.88E+06	0.87	1.05	23.7	2.38E+03	0.294
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.38E+03	0.328
PCB-197 22'33'44'66'-OoCB	39.71		1.0412	1.0411	-0.2	2.40E+05	0.96	1.07	2.99	2.38E+03	0.289
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0436	+0.7	1.38E+06	0.92	0.97	18.9	2.38E+03	0.318
PCB-198/199 ...-OoCB	42.18	C	1.1049	1.1059	+2.5	1.07E+07	0.90	0.62	230	2.38E+03	0.498
PCB-196 22'33'44'56'-OoCB	42.74		1.1201	1.1205	+1.0	4.10E+06	0.91	0.63	86.6	2.38E+03	0.492
PCB-203 22'344'55'6'-OoCB	42.91		1.1245	1.1250	+1.3	7.75E+06	0.95	0.68	153	2.38E+03	0.458
PCB-195 22'33'44'56'-OoCB	44.03		0.9489	0.9486	-0.8	2.34E+06	0.90	0.87	58.4	2.70E+03	0.711
PCB-194 22'33'44'55'-OoCB	46.03		0.9917	0.9917	0	7.20E+06	0.92	0.84	187	2.70E+03	0.743
PCB-205 233'44'55'6'-OoCB	46.44		1.0004	1.0004	0	3.98E+05	0.90	1.20	7.21	2.70E+03	0.518
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	2.34E+06	0.75	1.01	39.3	4.76E+03	0.854
PCB-207 22'33'44'566'-NoCB	44.63		1.0186	1.0186	0	9.61E+05	0.75	1.00	16.2	4.76E+03	0.859
PCB-206 22'33'44'55'6'-NoCB	47.93		1.0004	1.0004	0	5.18E+06	0.76	0.95	155	4.76E+03	1.53

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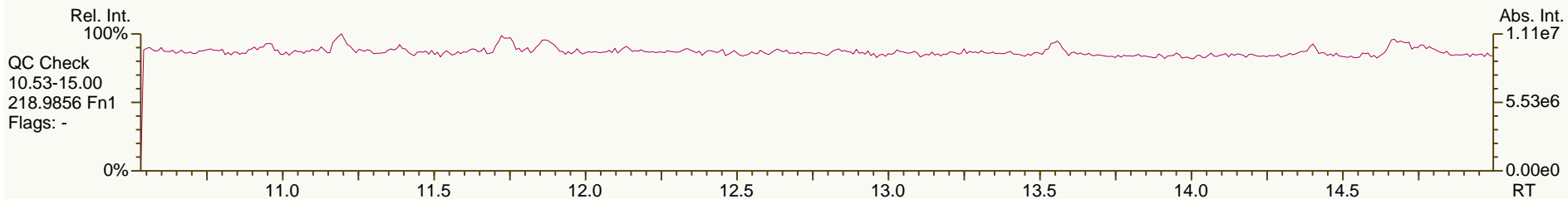
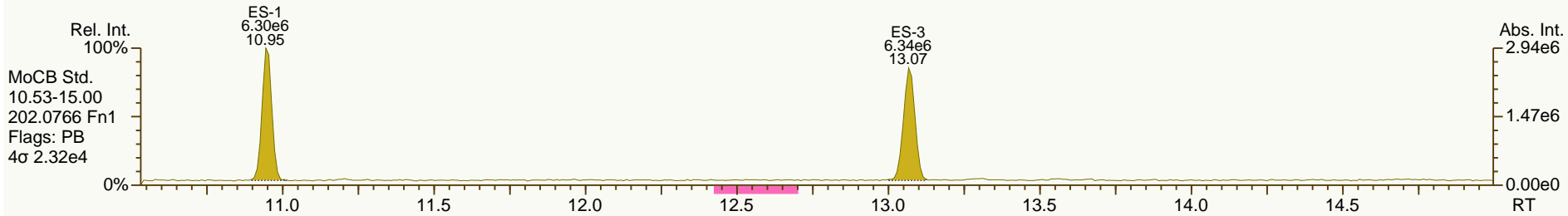
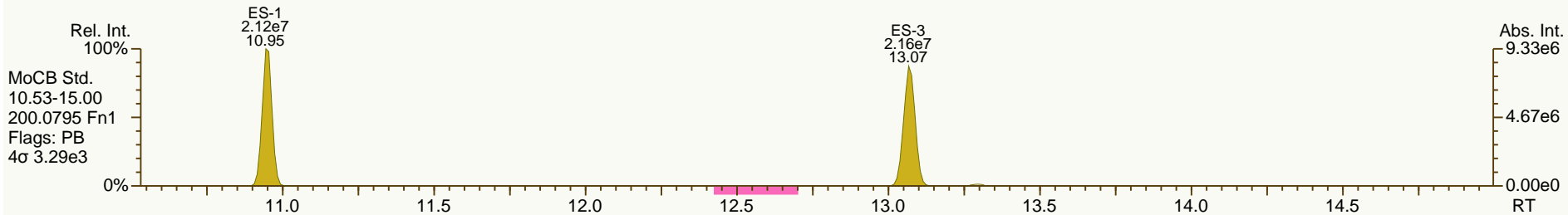
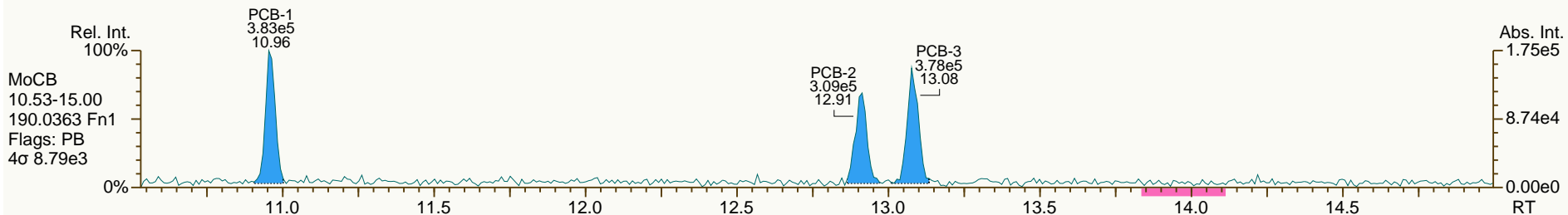
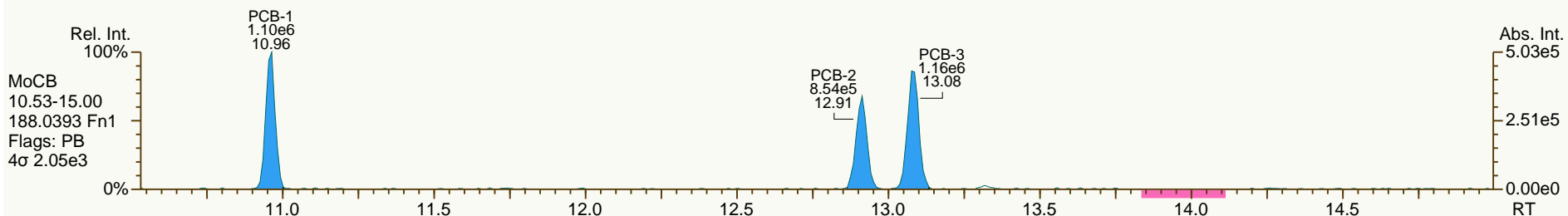
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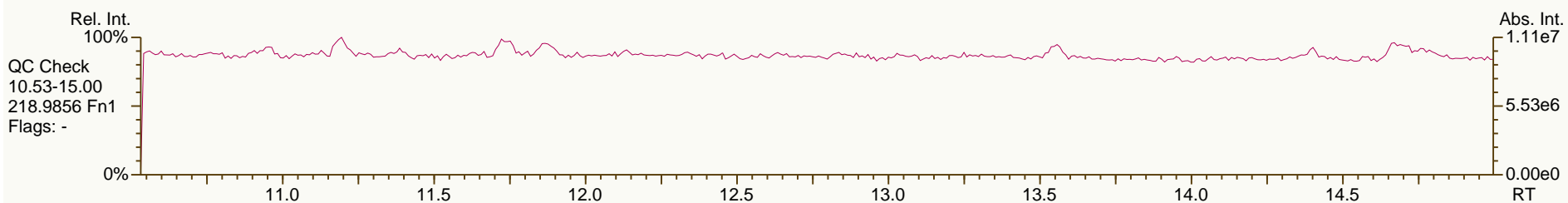
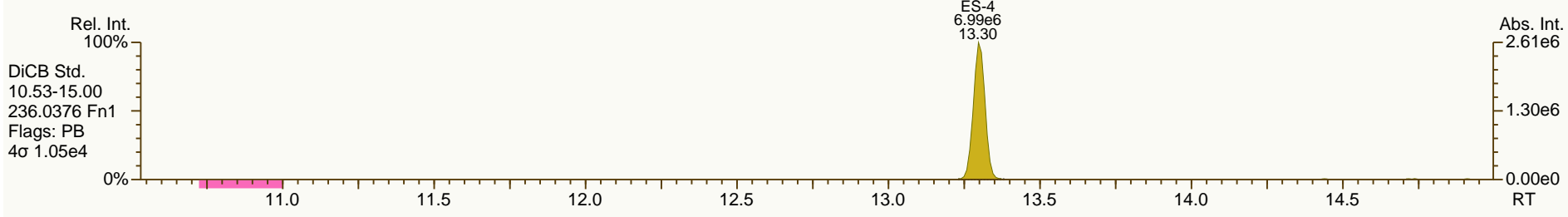
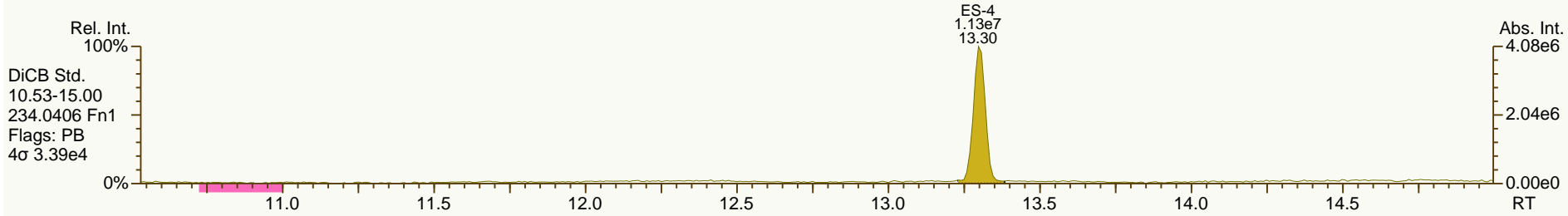
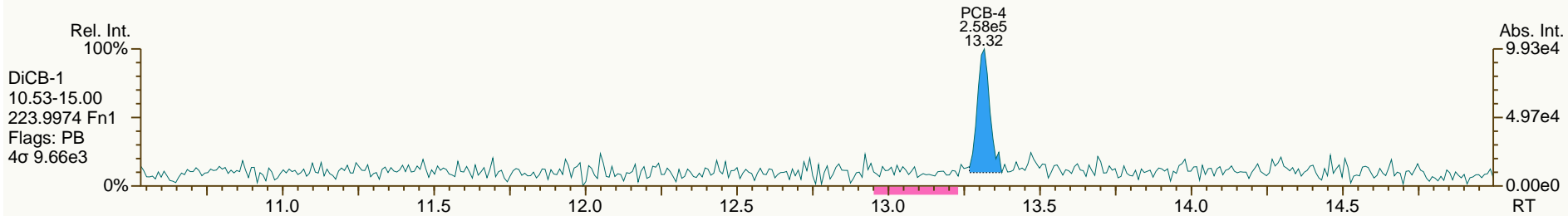
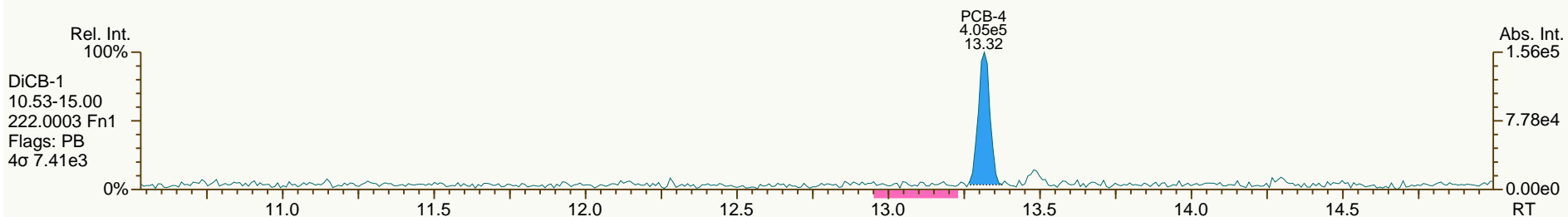
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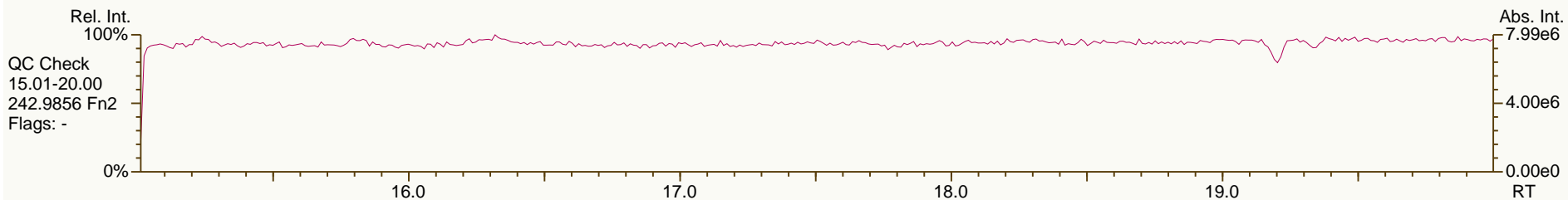
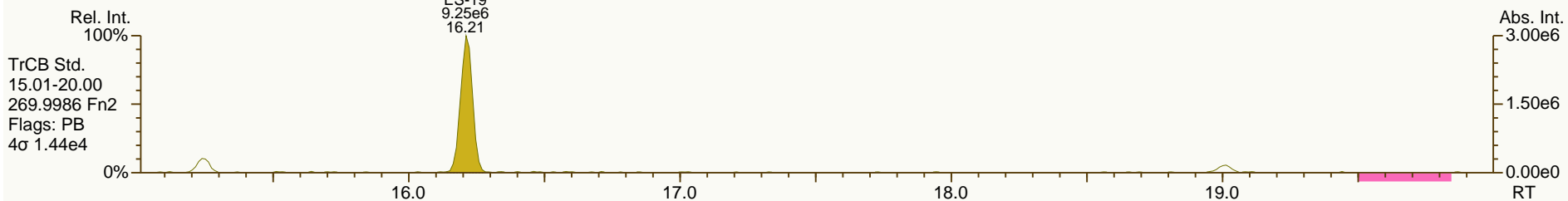
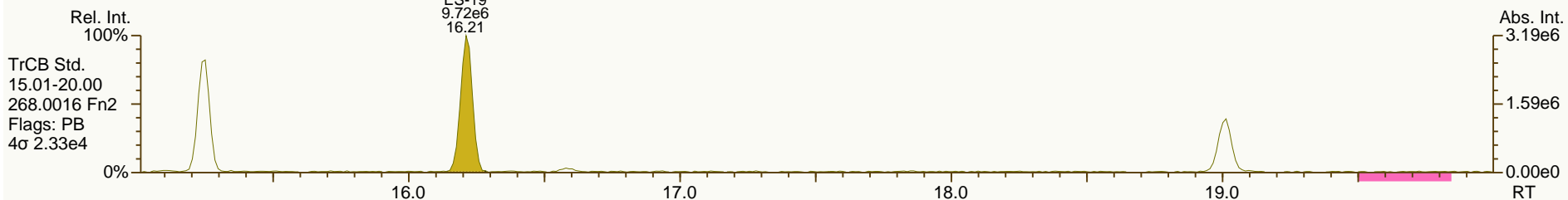
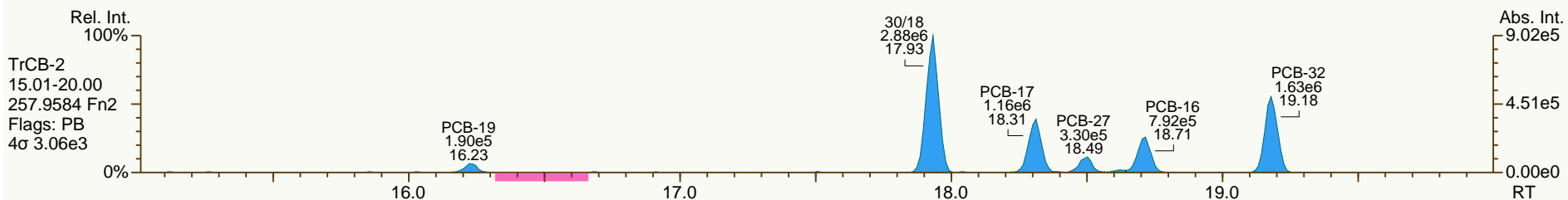
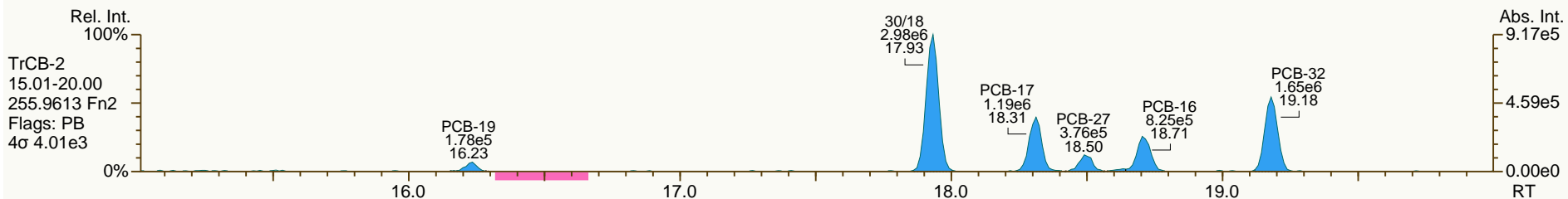
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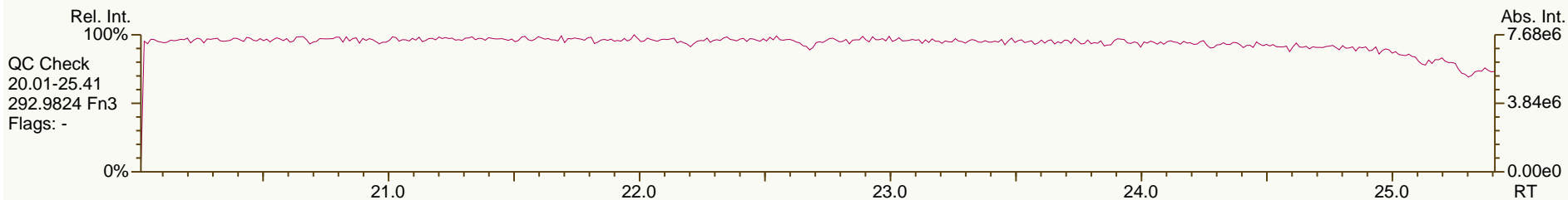
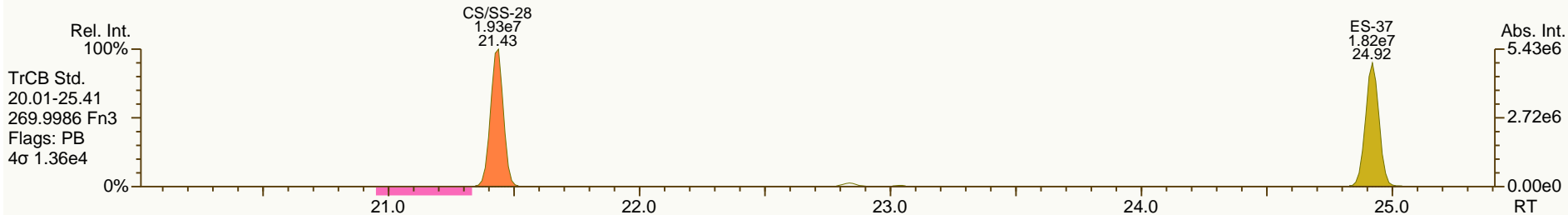
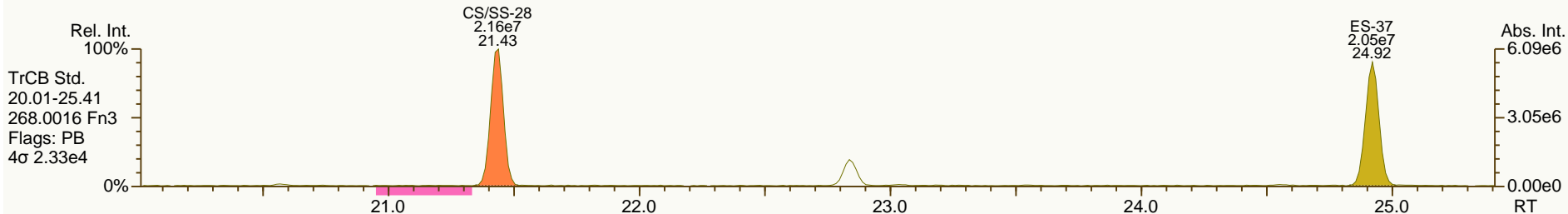
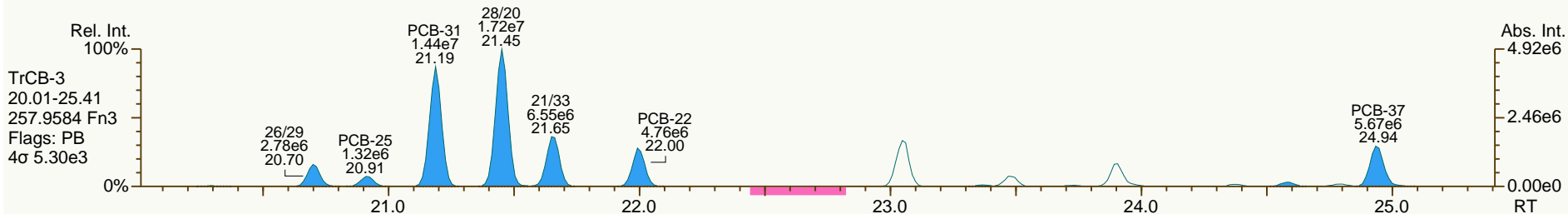
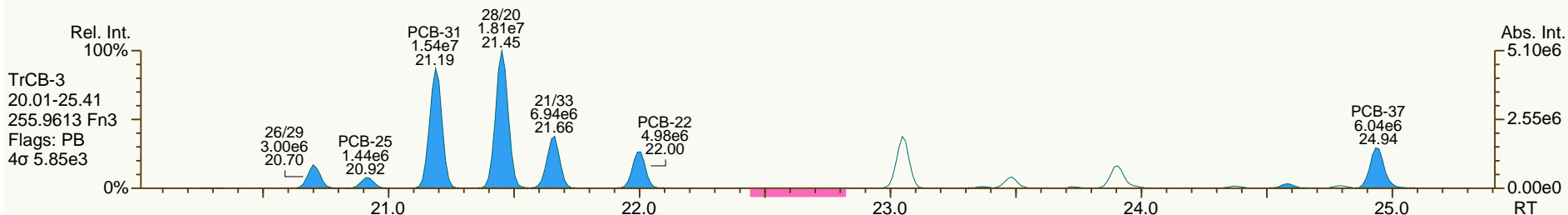
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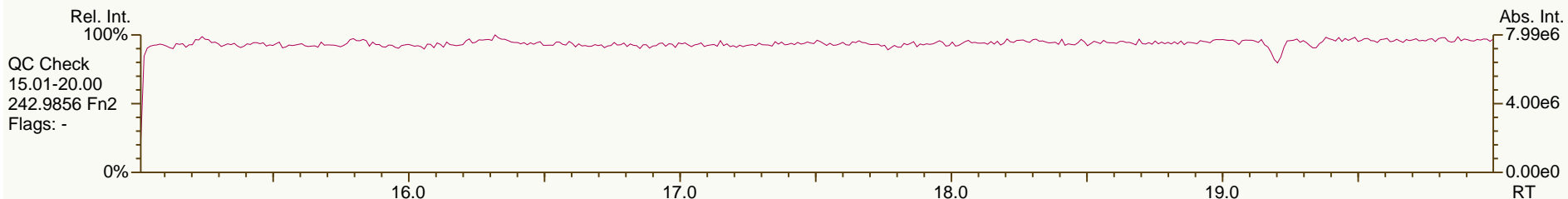
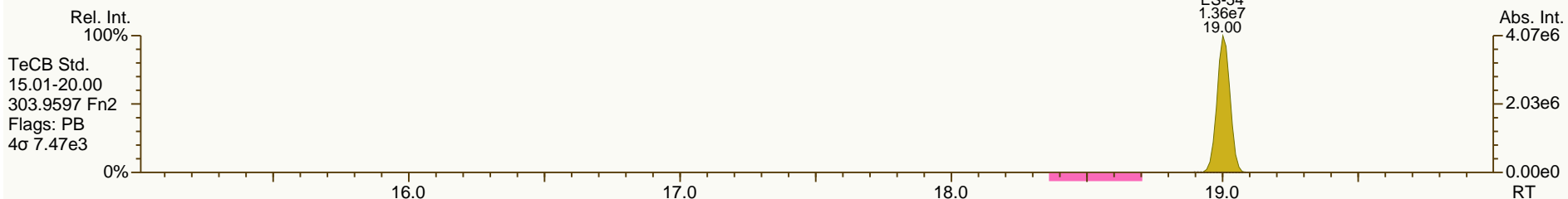
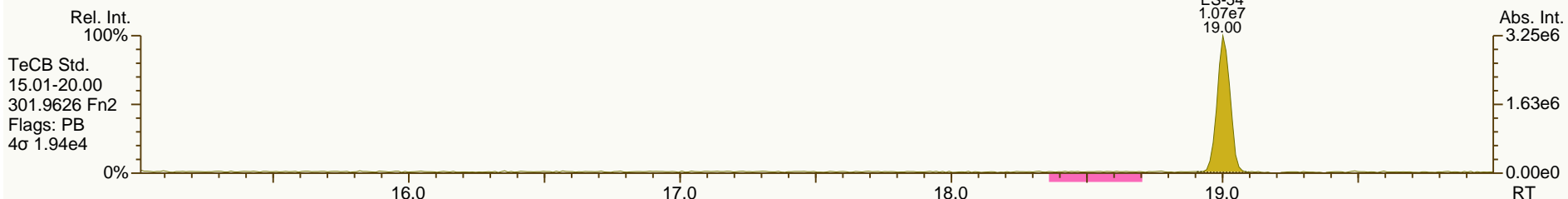
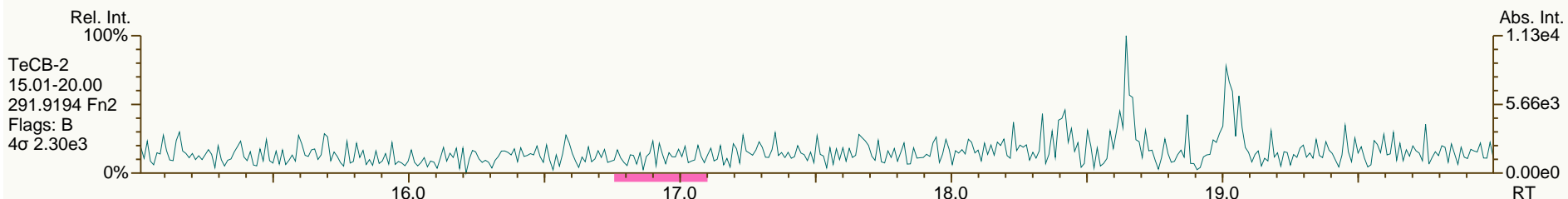
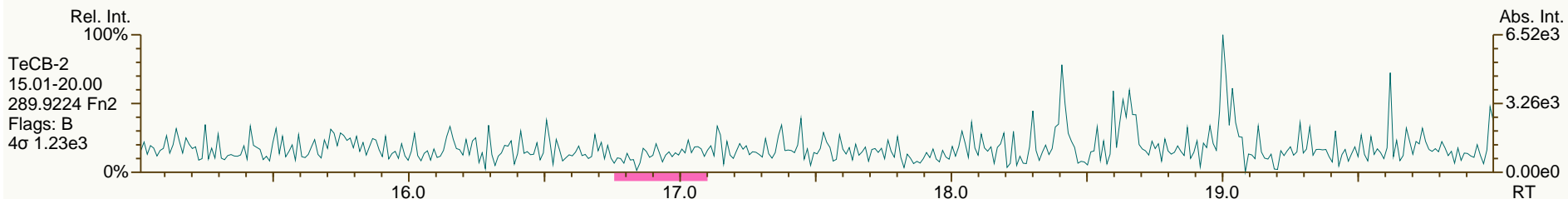
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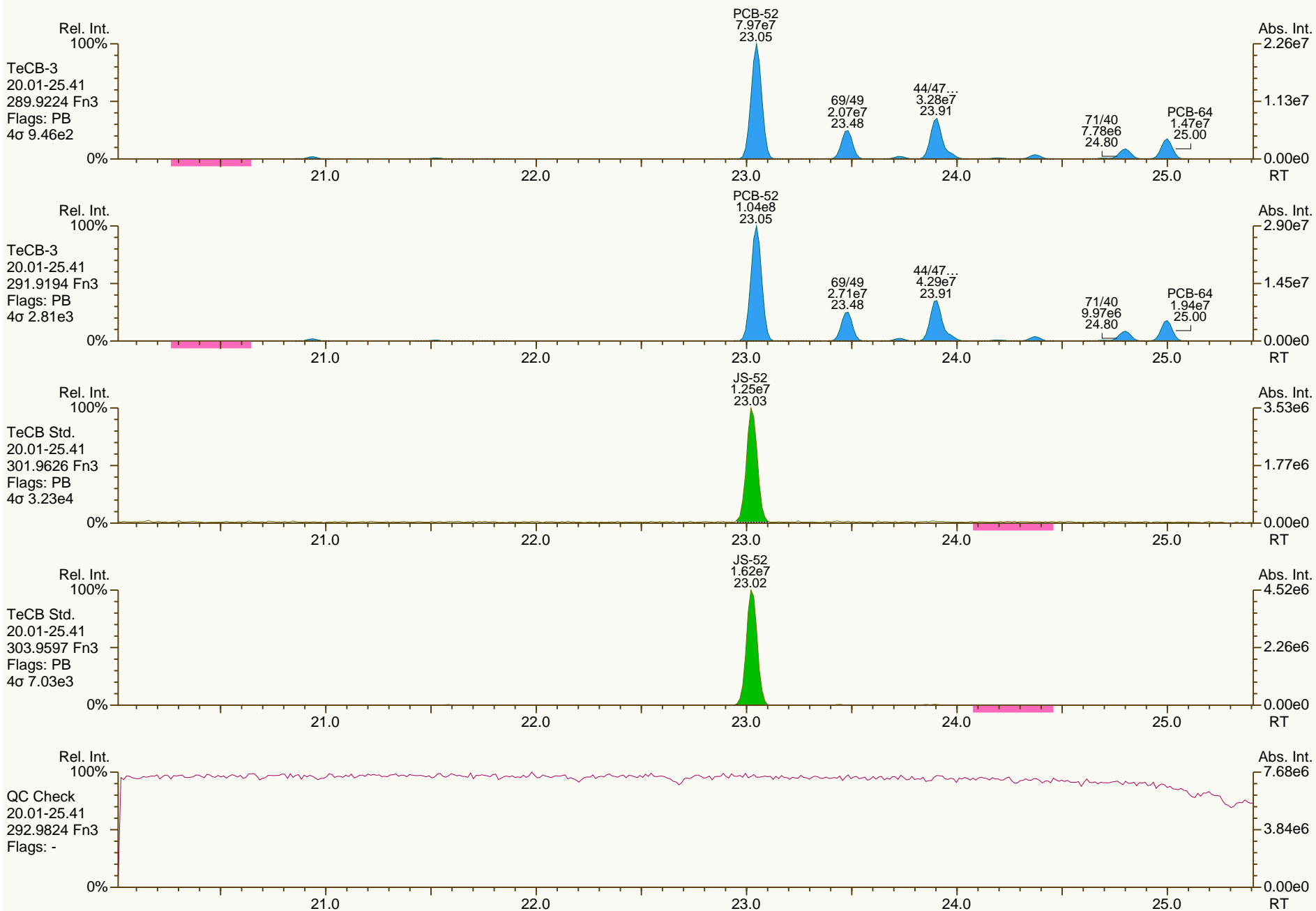
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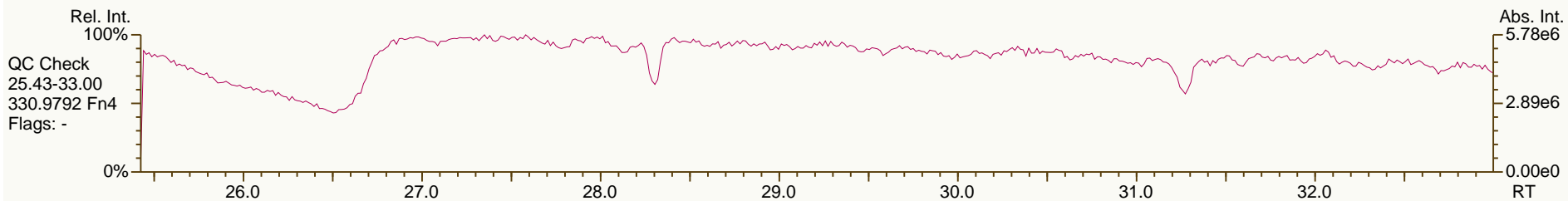
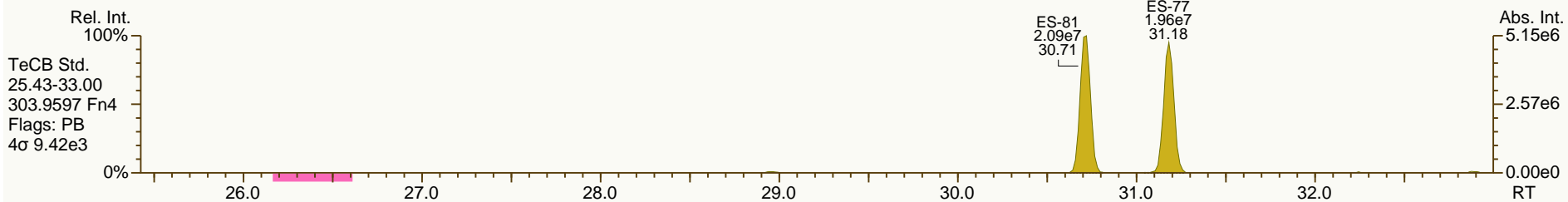
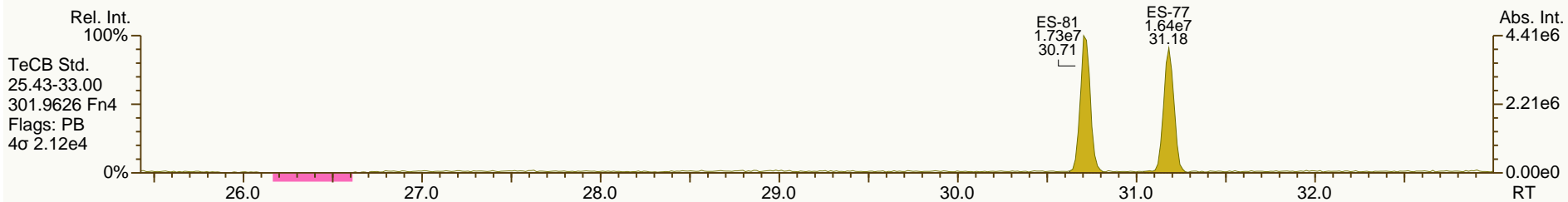
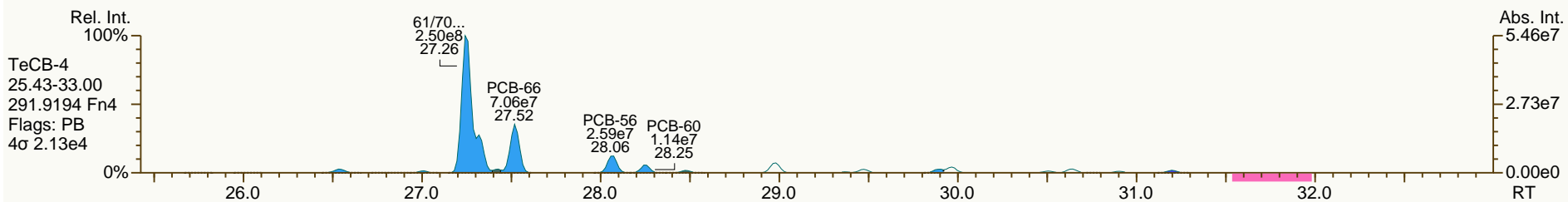
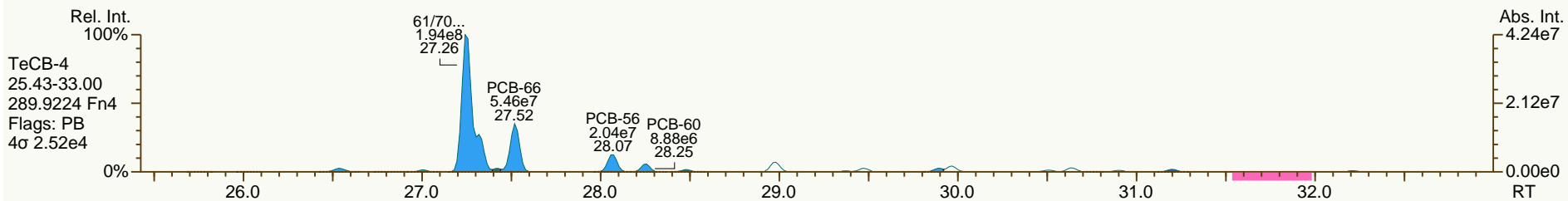
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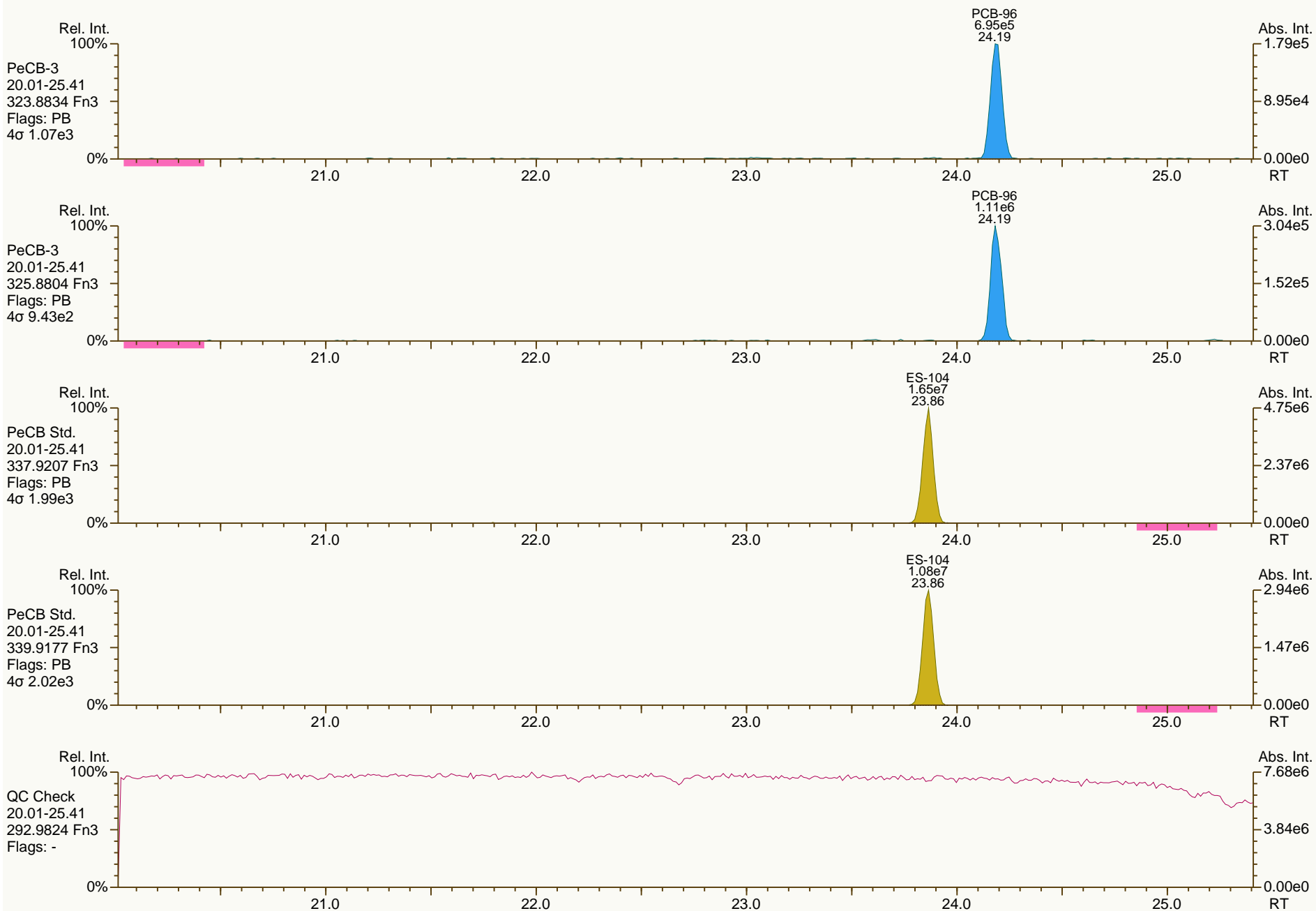
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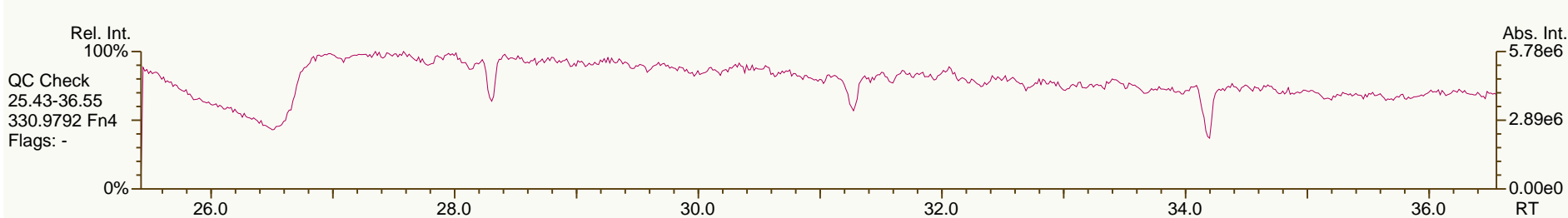
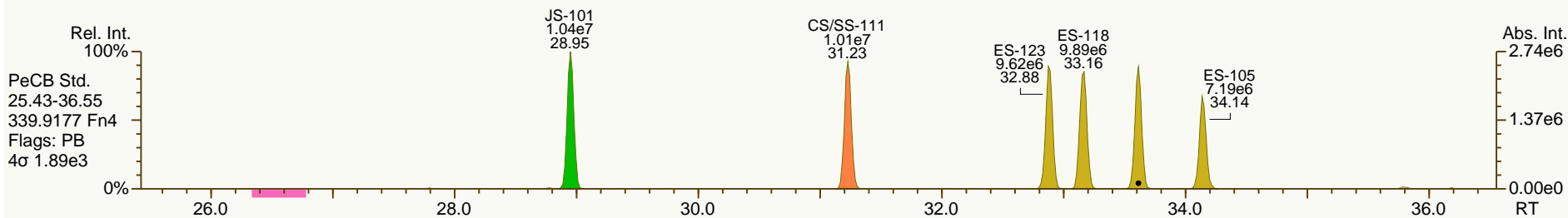
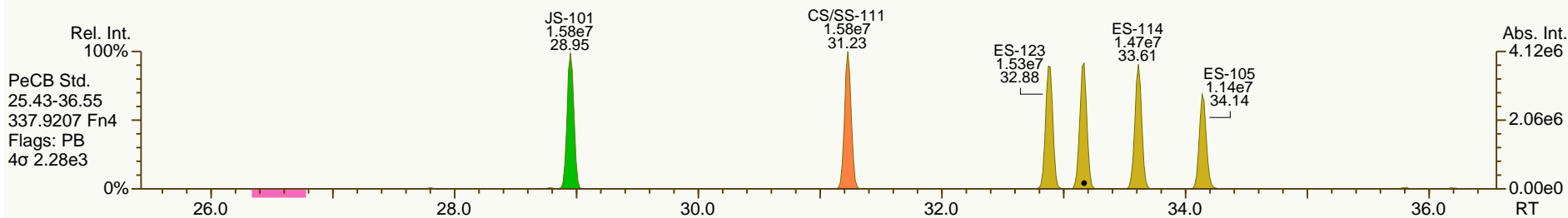
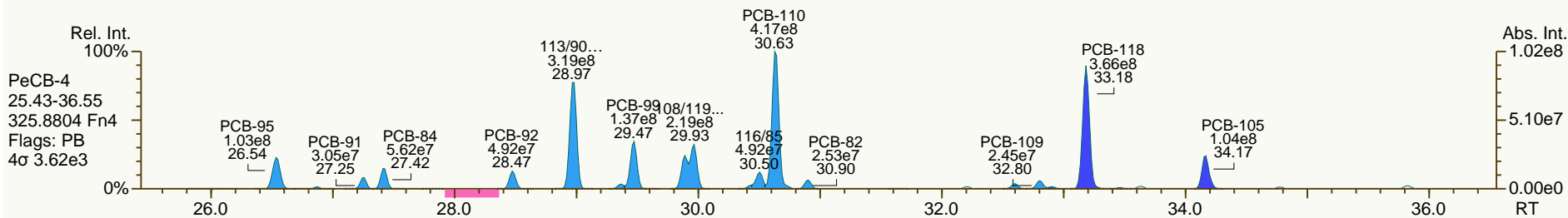
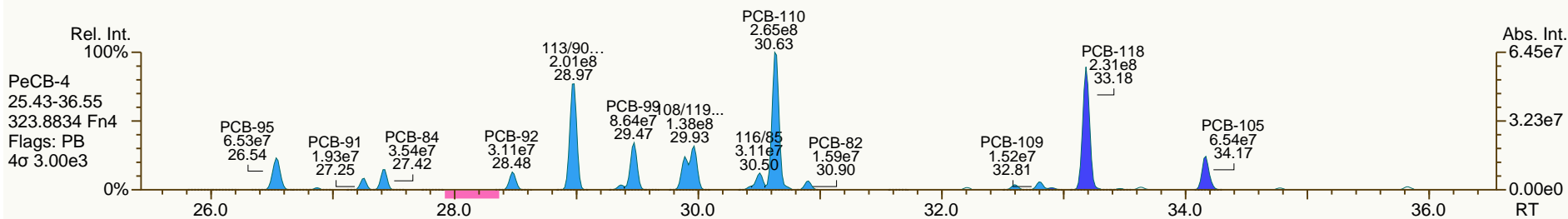
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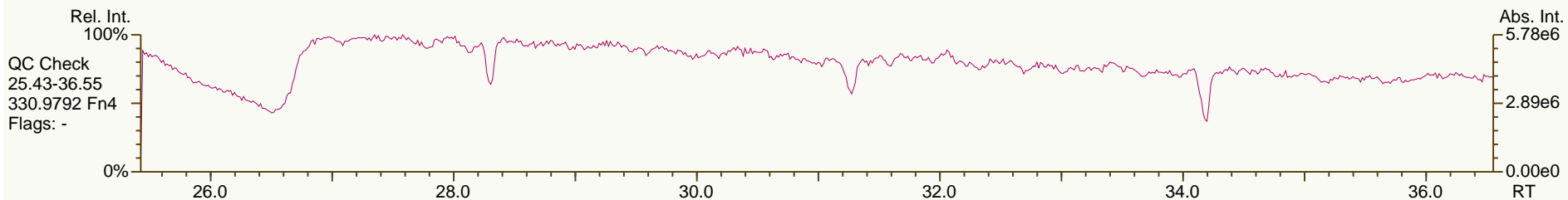
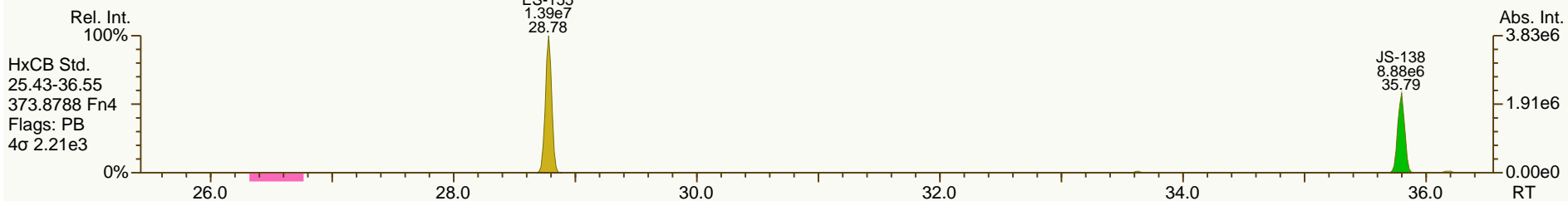
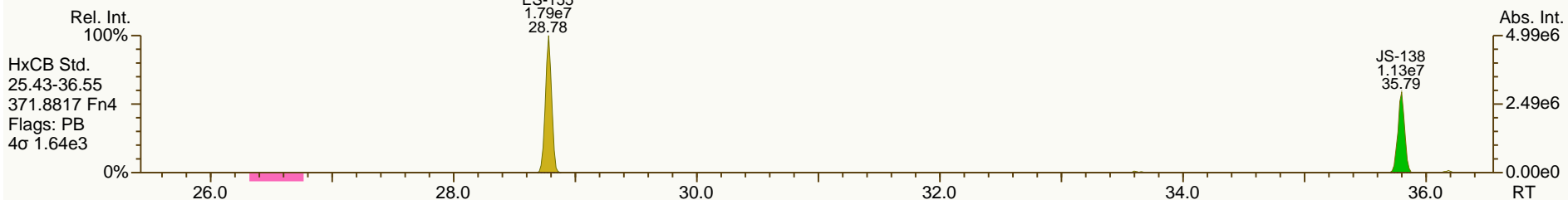
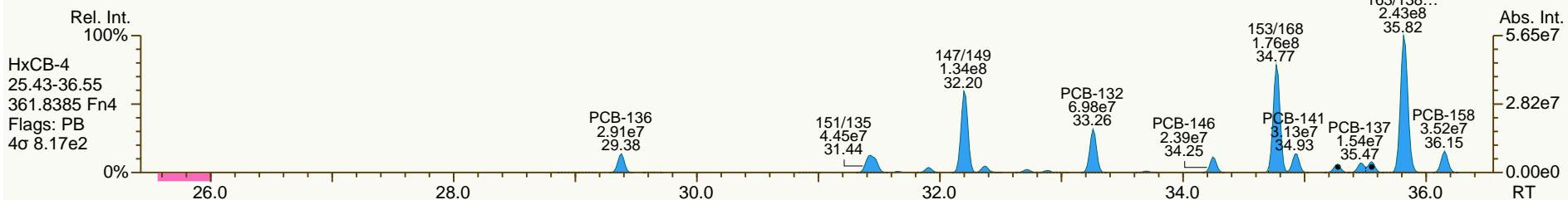
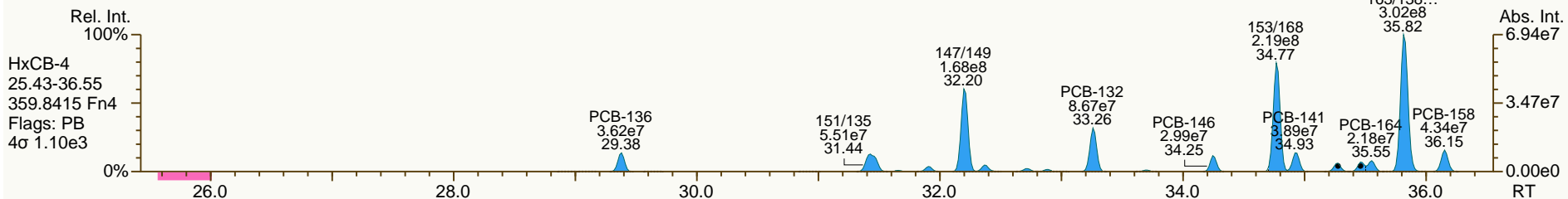
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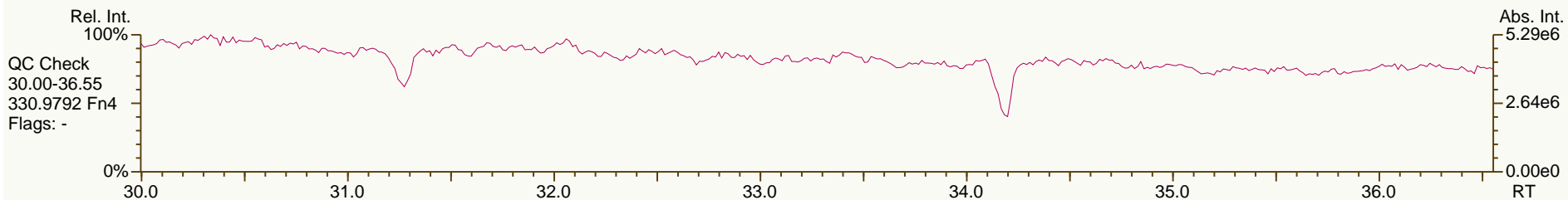
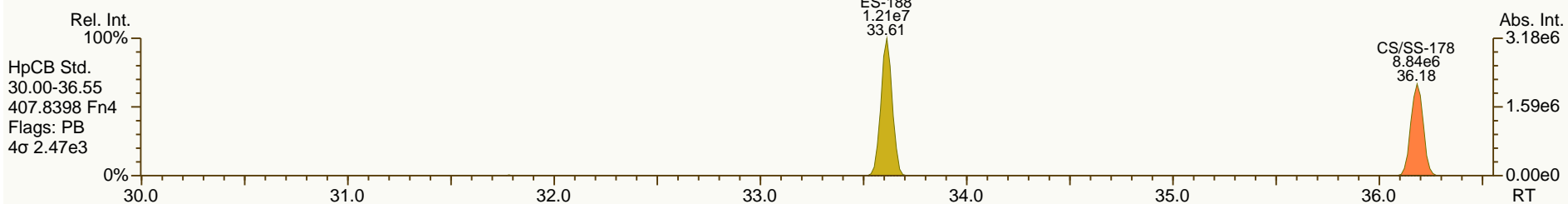
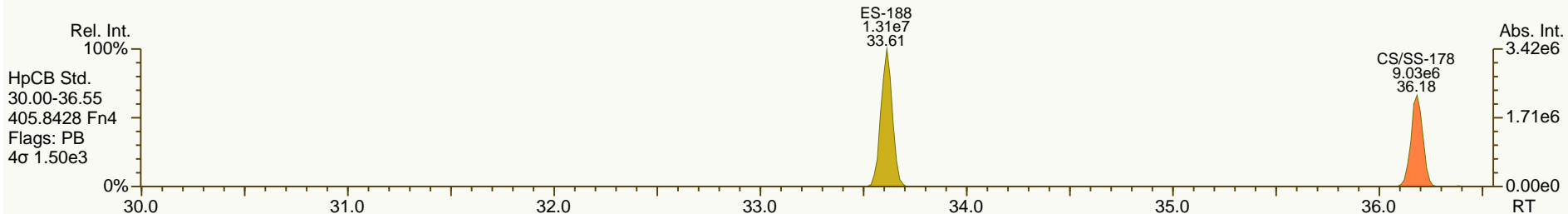
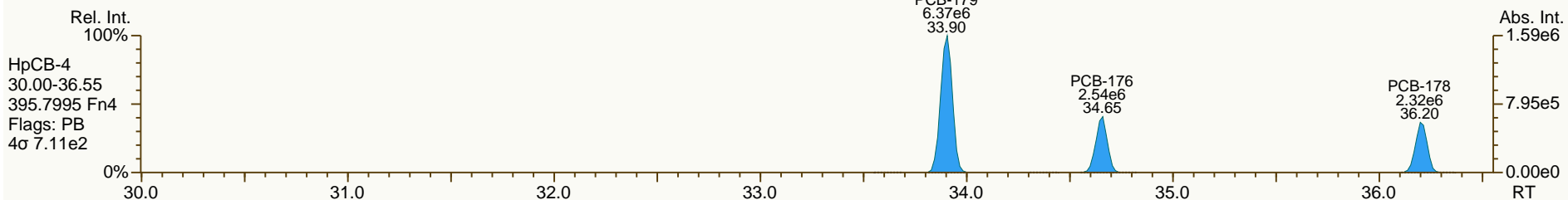
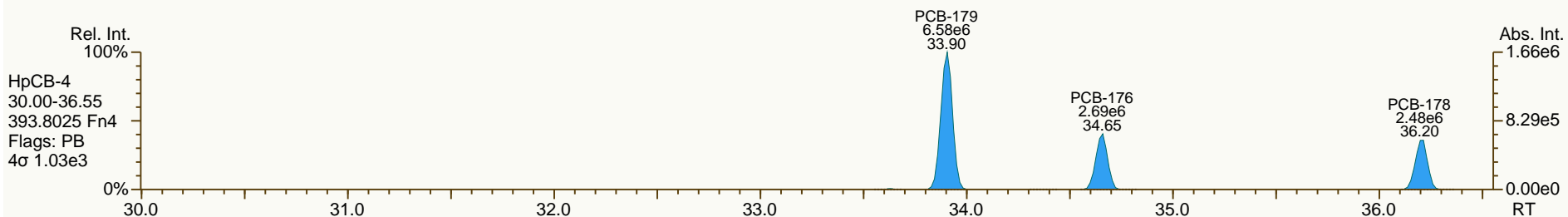
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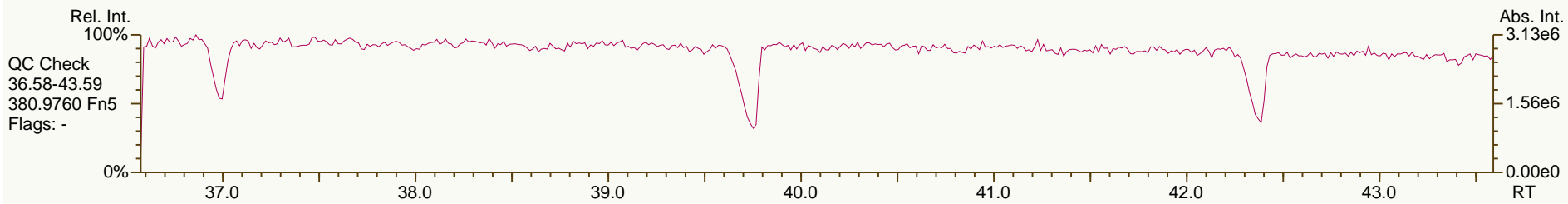
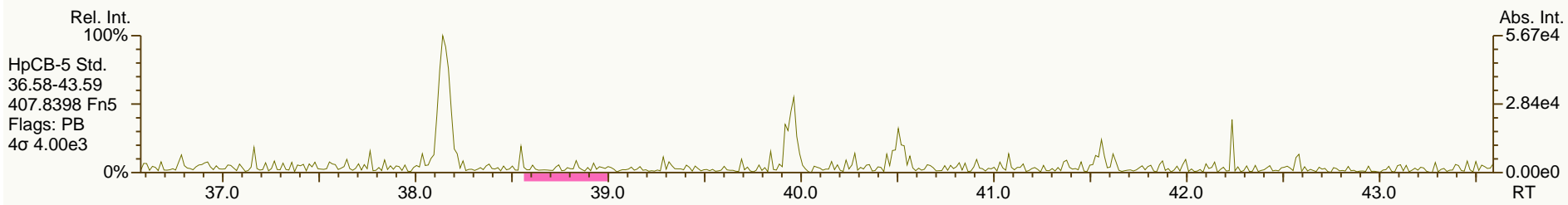
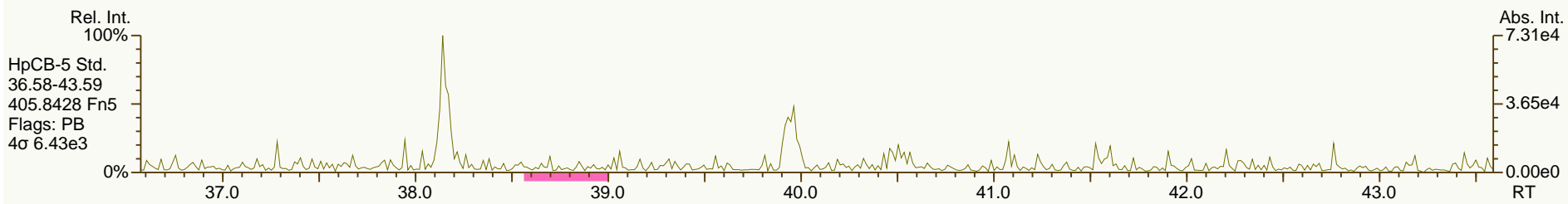
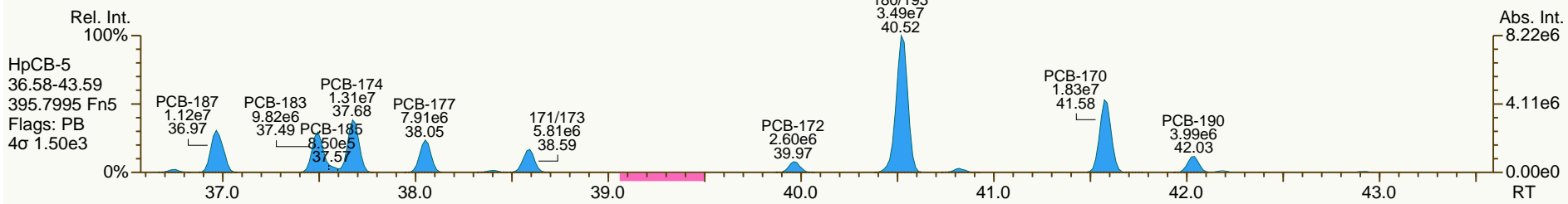
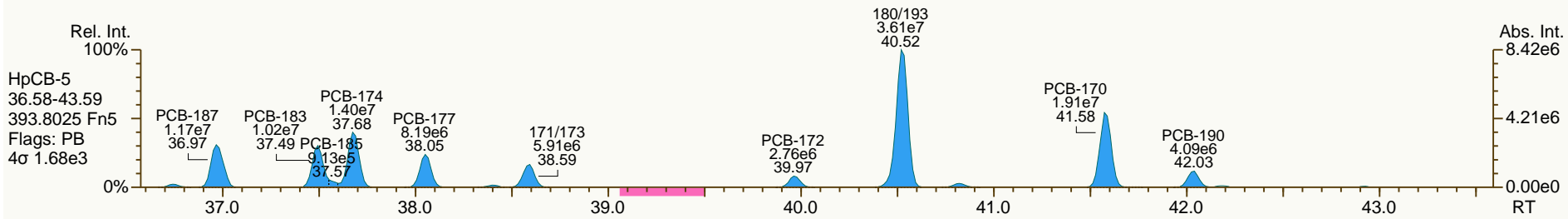
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

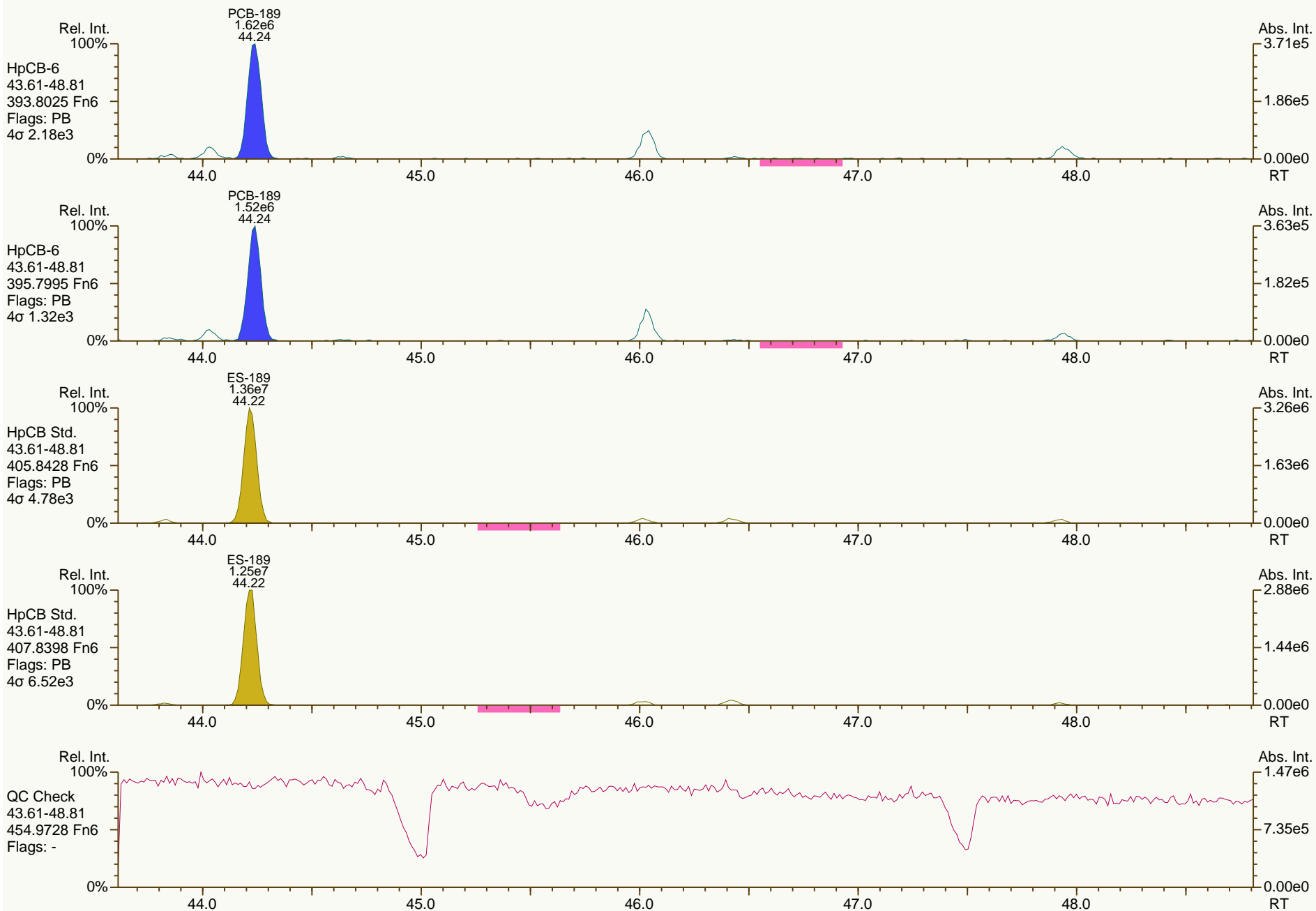
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

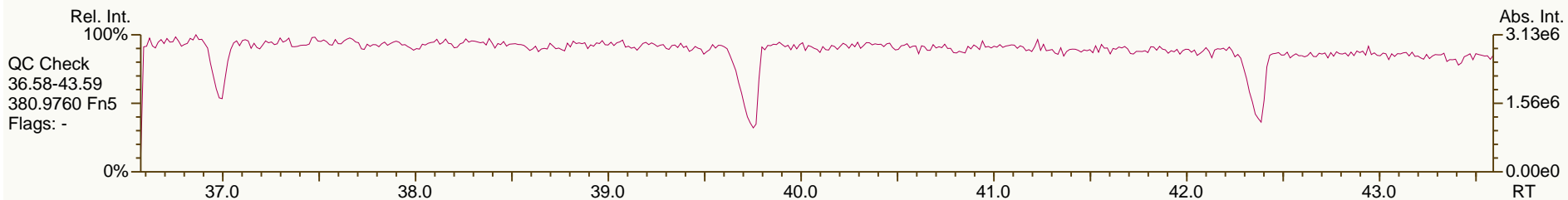
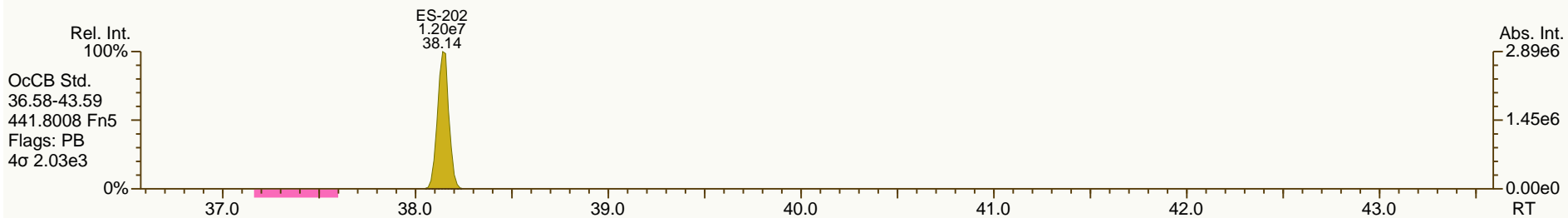
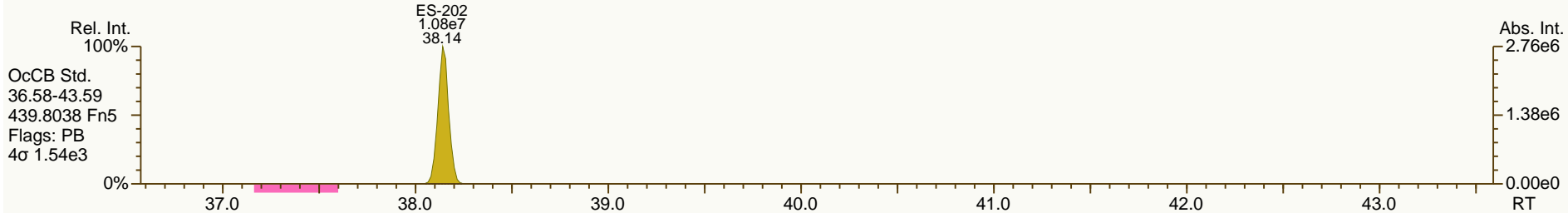
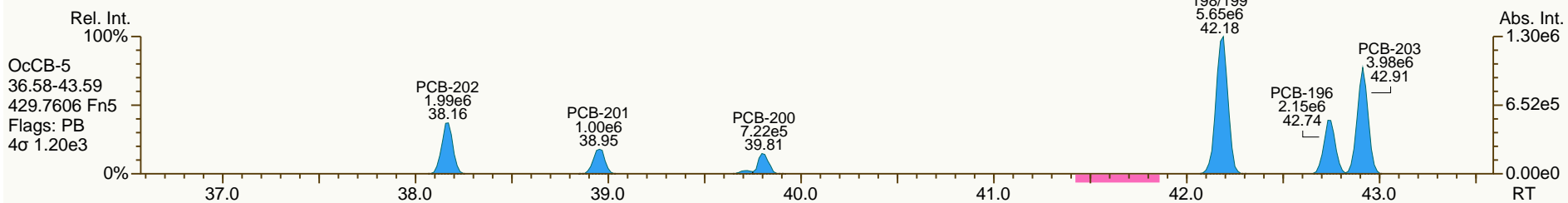
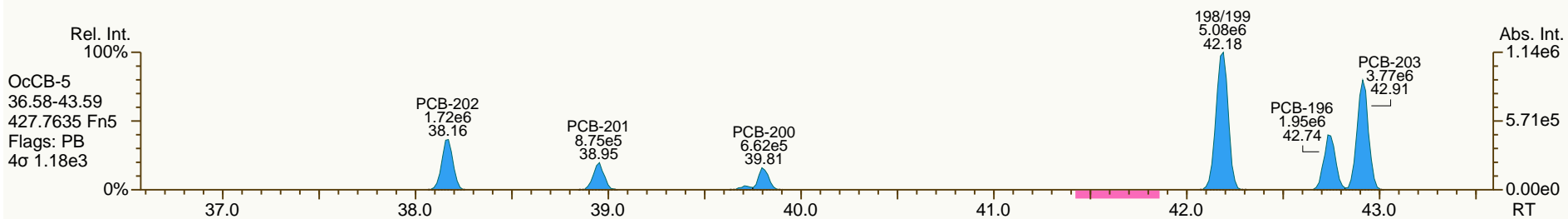
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

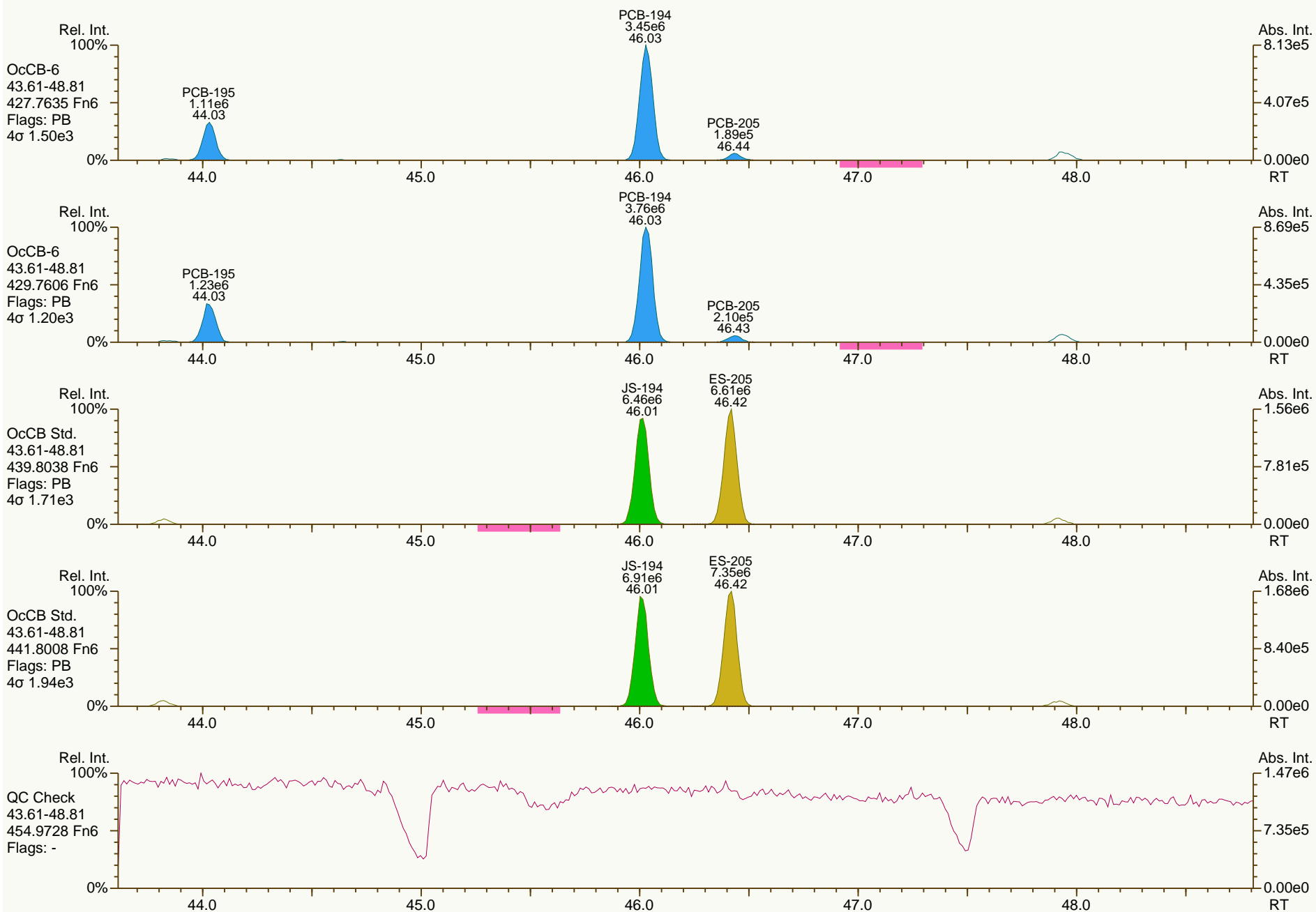
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
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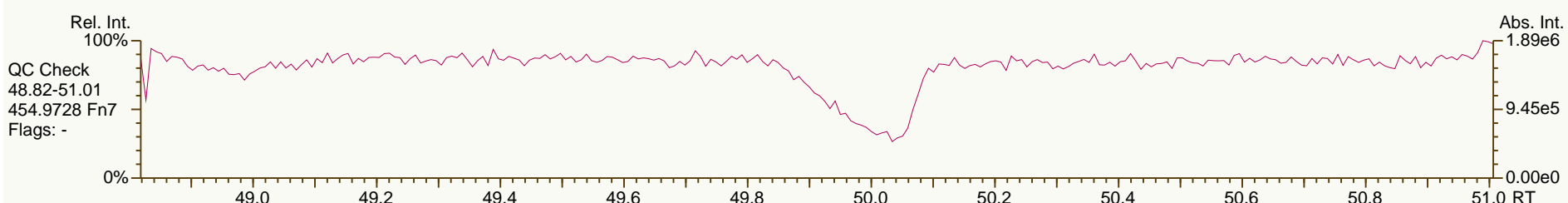
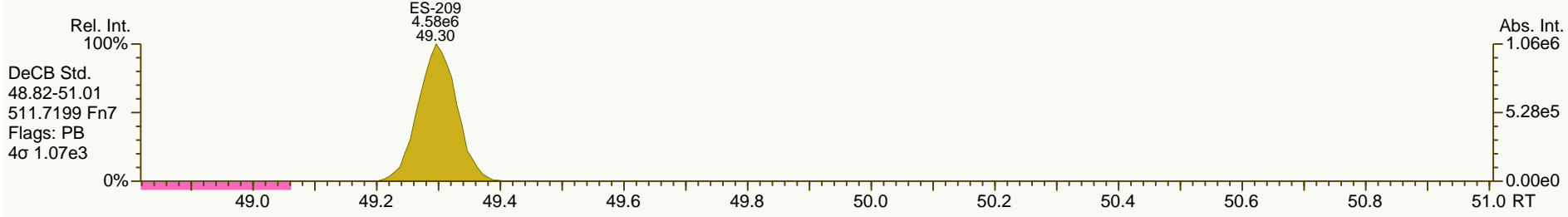
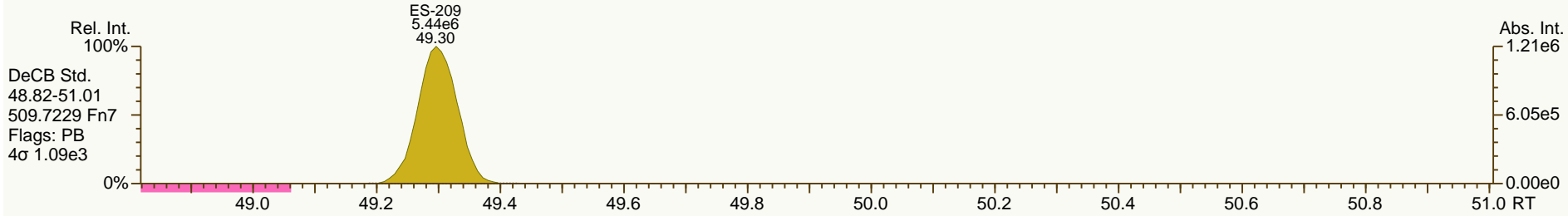
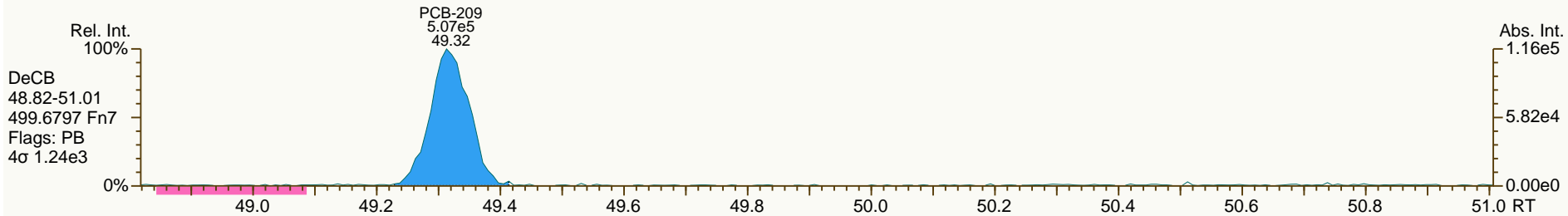
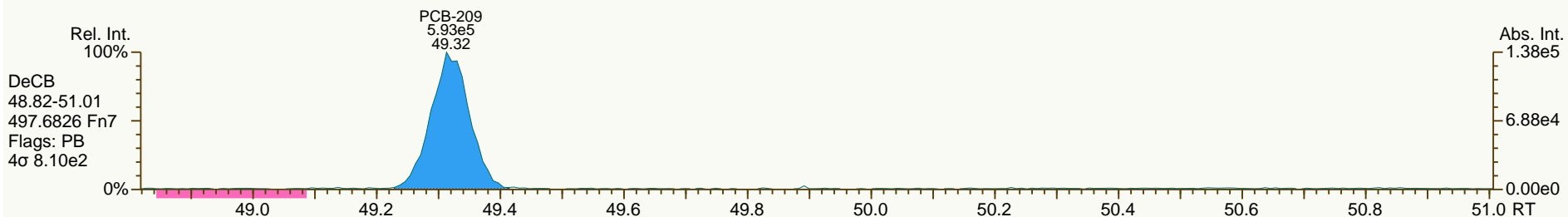
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

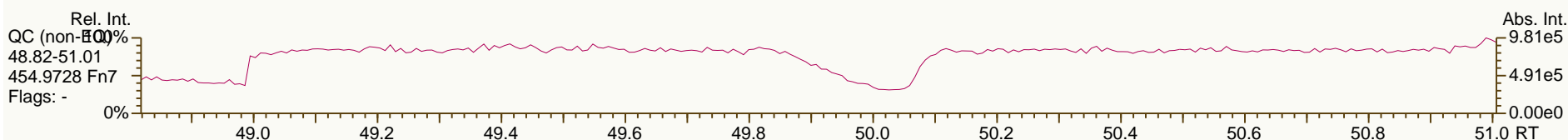
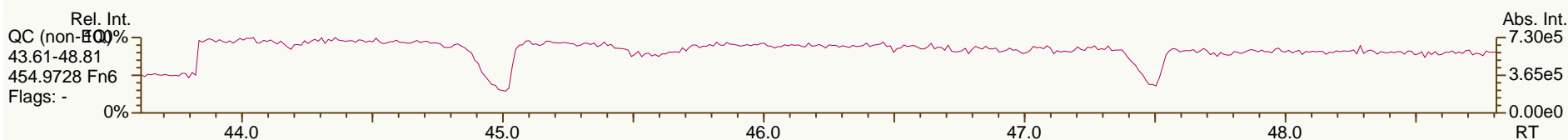
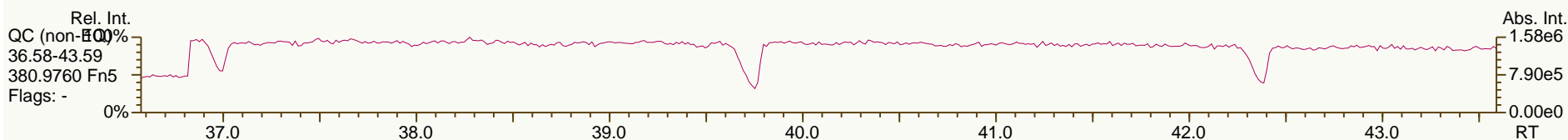
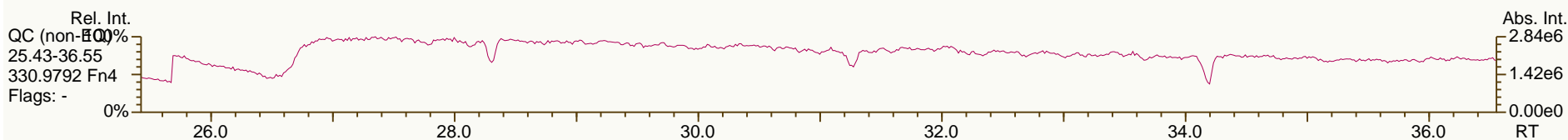
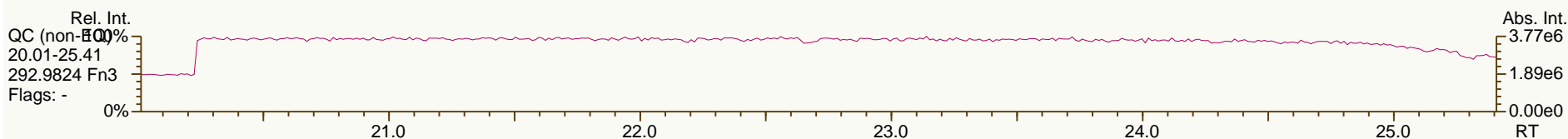
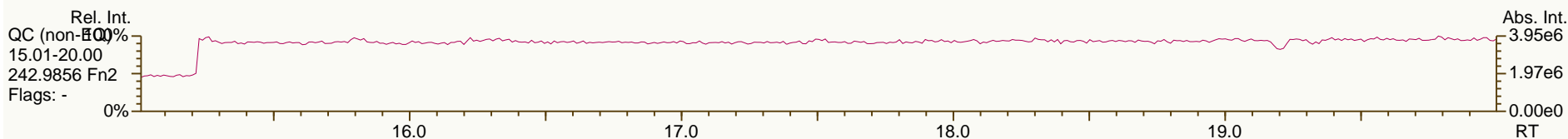
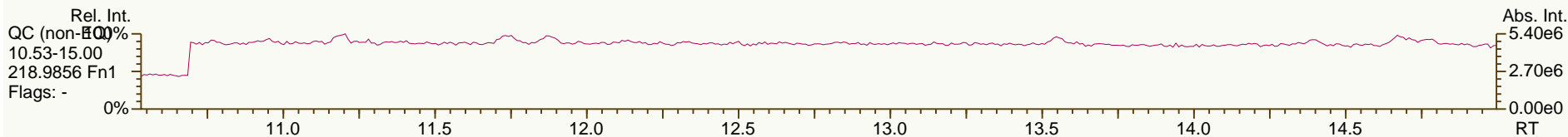
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AP Lab ID: A4373_9894_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS42-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

Acq: 04-Jul-2012 01:29:50
 User: CEM Datafile: 120703V24



Lab ID: A4373_9894_PCB_005
 Client ID: JW-EA10-SS40-120507
 Datafile: 120703V25

ACQ: 04-Jul-2012 02:24:07 CEM
 UTP: 04-Jul-2012 12:20 CEM
 RPT: 04-Jul-2012 15:55 CM

Wt/Vol: 6.11 g
 J-level: 1.64 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB
 Checkcode: 638-331-SWG
 Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17		1.0007	1.0007	0	2.71E+06	0.77	1.11	56.6	1.33E+04	2.71
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	1.33E+04	2.8
PCB-105 233'44'-PeCB	34.14		1.0007	1.0007	0	3.92E+07	0.62	1.05	1,530	5.03E+03	2.02
PCB-114 2344'5'-PeCB	33.60		1.0007	1.0007	0	2.52E+06	0.62	1.15	76.4	5.03E+03	1.55
PCB-118 23'44'5'-PeCB	33.15		1.0008	1.0007	-0.2	1.18E+08	0.63	1.04	3,780	5.03E+03	1.61
PCB-123 23'44'5'-PeCB	32.87		1.0006	1.0006	0	1.89E+06	0.60	1.01	64.4	5.03E+03	1.67
PCB-126 33'44'5'-PeCB	36.74		1.0005	1.0003	-0.4	1.30E+05	0.64	1.06	3.86	4.37E+03	1.36
PCB-156/157 ...-HxCB	39.29	C	1.0005	1.0002	-0.7	1.76E+07	1.26	1.16	640	3.60E+03	1.74
PCB-167 23'44'55'-HxCB	38.33		1.0006	1.0005	-0.2	5.28E+06	1.26	1.24	168	3.60E+03	1.16
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.60E+03	1.82
PCB-189 233'44'55'-HpCB	44.20		1.0004	1.0005	+0.3	6.86E+05	1.05	1.05	22.1	2.87E+03	1.01
PCB-209 DeCB	49.29		1.0004	1.0004	0	8.39E+05	1.19	1.09	61	2.05E+03	1.64
ES PCB-1	10.93		0.7216	0.7213	-0.2	9.92E+06	3.32	1.02	50.5 %	4%	100%
ES PCB-3	13.05		0.8614	0.8611	-0.2	9.76E+06	3.46	1.02	49.8 %	11%	106%
ES PCB-4	13.28		0.8767	0.8764	-0.2	6.53E+06	1.65	0.68	49.8 %	14%	107%
ES PCB-15	18.72		1.2346	1.2353	+0.8	1.61E+07	1.78	1.06	78.9 %	19%	107%
ES PCB-19	16.20		1.0683	1.0685	+0.2	6.27E+06	1.07	0.49	66.1 %	1%	108%
ES PCB-37	24.90		1.0817	1.0823	+0.9	1.37E+07	1.11	1.51	79 %	25%	123%
ES PCB-54	18.99		0.8258	0.8251	-0.8	8.57E+06	0.78	1.37	54.6 %	13%	105%
ES PCB-77	31.15		1.3528	1.3536	+1.5	1.41E+07	0.83	1.17	105 %	31%	109%
ES PCB-81	30.68		1.3325	1.3334	+1.7	1.45E+07	0.86	1.13	112 %	14%	127%
ES PCB-104	23.85		0.8252	0.8248	-0.6	9.84E+06	1.61	1.90	47.5 %	36%	115%
ES PCB-105	34.11		1.1796	1.1799	+0.6	7.96E+06	1.59	1.15	63.7 %	50%	111%
ES PCB-114	33.58		1.1611	1.1614	+0.6	9.37E+06	1.56	1.22	70.8 %	41%	121%
ES PCB-118	33.13		1.1454	1.1457	+0.6	9.81E+06	1.52	1.24	72.6 %	49%	111%
ES PCB-123	32.85		1.1358	1.1361	+0.6	9.52E+06	1.56	1.29	67.9 %	49%	116%
ES PCB-126	36.73		1.2698	1.2704	+1.3	1.05E+07	1.61	1.40	68.8 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.74		0.8040	0.8037	-0.5	1.13E+07	1.24	1.45	99.9 %	25%	124%
ES PCB-156/157	39.28		1.0982	1.0985	+0.7	1.55E+07	1.24	0.94	105 %	40%	120%
ES PCB-167	38.31		1.0711	1.0714	+0.7	8.27E+06	1.31	0.93	113 %	45%	118%
ES PCB-169	42.02		1.1746	1.1751	+1.3	5.67E+06	1.34	0.88	82.5 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.58		0.7312	0.7305	-1.4	9.80E+06	1.11	1.52	82.3 %	23%	125%
ES PCB-189	44.18		0.9611	0.9609	-0.5	9.66E+06	1.11	2.05	82.6 %	47%	116%
ES PCB-202	38.11		0.8297	0.8291	-1.4	8.42E+06	0.90	1.21	88.7 %	31%	134%
ES PCB-205	46.38		1.0088	1.0088	0	5.43E+06	0.87	1.28	73.9 %	46%	115%
ES PCB-206	47.88		1.0412	1.0415	+0.9	4.45E+06	0.79	1.12	69.3 %	38%	122%
ES PCB-208	43.77		0.9525	0.9522	-0.8	6.59E+06	0.77	1.46	78.8 %	31%	126%
ES PCB-209	49.27		1.0713	1.0717	+1.2	4.14E+06	1.17	1.16	62.4 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9307	-0.4	1.69E+07	1.12	1.09	114 %	14%	131%
CS/SS PCB-111	31.20	V	1.0789	1.0789	0	1.24E+07	1.57	0.93	140 %	57%	112%
CS/SS PCB-178	36.15	V	1.0108	1.0108	0	8.14E+06	1.06	0.63	133 %	57%	125%
CS PCB-28	21.42		0.9310	0.9307	-0.4	1.69E+07	1.12	1.64	90 %	14%	131%
CS PCB-111	31.20		1.0789	1.0789	0	1.24E+07	1.57	1.20	95.1 %	57%	112%
CS PCB-178	36.15		1.0108	1.0108	0	8.14E+06	1.06	0.95	109 %	57%	125%
JS PCB-9	15.16					1.92E+07	1.61				
JS PCB-52	23.01					1.15E+07	0.80				
JS PCB-101	28.91					1.09E+07	1.55				
JS PCB-138	35.76					7.84E+06	1.22				
JS PCB-194	45.97					5.72E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			58.8		58.8		1.85	
			Di-CBs			322		339		6.4	
			Tri-CBs			1,450		1,450		2.68	
			Tetra-CBs			7,270		7,270		2.04	
			Penta-CBs			25,900		25,900		1.47	
			Hexa-CBs			17,500		17,500		1.31	
			Hepta-CBs			3,220		3,220		1.01	
			Octa-CBs			1,660		1,660		1.16	
			Nona-CBs			643		643		2.92	
PCB-1 2-MoCB	10.95		1.0011	1.0011	0	7.12E+05	2.85	1.00	23.6	8.85E+03	1.61
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	4.43E+05	2.80	1.31	11.3	8.85E+03	1.54
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	6.83E+05	2.72	0.96	23.8	8.85E+03	2.09
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	4.33E+05	1.37	0.82	26.3	1.92E+04	8.47
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.92E+04	4.73
PCB-9 25-DiCB	15.17	EMPC	1.0010	1.0009	-0.1	1.77E+05	1.04	0.95	3.79	2.29E+04	4.34
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.29E+04	3.75
PCB-6 23'-DiCB	15.54	EMPC	1.0252	1.0253	+0.1	6.64E+05	1.30	1.03	13.2	2.29E+04	4.01
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.29E+04	3.97
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	3.25E+06	1.56	1.04	63.5	2.29E+04	3.96
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.29E+04	3.32
PCB-11 33'-DiCB	18.19		0.9713	0.9712	-0.1	8.83E+06	1.50	1.06	169	2.29E+04	3.88
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.29E+04	3.84
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	2.96E+06	1.54	0.95	63.2	2.29E+04	4.33
PCB-19 22'6-TrCB	16.21		1.0011	1.0010	-0.1	2.26E+05	1.04	0.92	12.8	6.66E+03	2.99
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1060	+0.6	3.79E+06	1.03	1.27	156	6.66E+03	2.17
PCB-17 22'4-TrCB	18.29		1.1291	1.1294	+0.3	1.46E+06	1.05	1.07	71.3	6.66E+03	2.57
PCB-27 23'6-TrCB	18.48		1.1406	1.1410	+0.4	3.78E+05	1.01	1.46	13.5	6.66E+03	1.88
PCB-24 236-TrCB	18.60		1.1484	1.1486	+0.2	5.41E+04	1.08	1.41	2.01	6.66E+03	1.95
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	1.10E+06	1.04	0.82	70.5	6.66E+03	3.37

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	2.23E+06	1.04	1.52	76.4	6.66E+03	1.8
PCB-34 23'5'-TrCB	20.28	EMPC	0.8155	0.8145	-1.2	9.19E+04	1.38	1.39	1.58	1.15E+04	1.84
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.15E+04	1.77
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8307	-2.1	2.54E+06	1.07	1.43	42.4	1.15E+04	1.78
PCB-25 23'4-TrCB	20.90		0.8401	0.8393	-1.0	1.22E+06	1.10	1.44	20.2	1.15E+04	1.77
PCB-31 24'5-TrCB	21.17		0.8509	0.8502	-0.9	1.67E+07	1.05	1.47	272	1.15E+04	1.73
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8608	-1.3	2.04E+07	1.07	1.42	344	1.15E+04	1.8
PCB-21/33 234/23'4'-TrCB	21.64	C	0.8687	0.8690	+0.4	7.58E+06	1.04	1.44	126	1.15E+04	1.78
PCB-22 234'-TrCB	21.98		0.8834	0.8827	-0.9	5.78E+06	1.09	1.33	104	1.15E+04	1.92
PCB-36 33'5-TrCB	23.35	EMPC	0.9382	0.9378	-0.6	1.40E+05	1.29	1.49	2.25	1.15E+04	1.72
PCB-39 34'5-TrCB	23.70		0.9506	0.9516	+1.4	1.92E+05	0.89	1.54	2.99	1.15E+04	1.66
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.15E+04	1.86
PCB-35 33'4-TrCB	24.57		0.9866	0.9865	-0.1	5.62E+05	0.98	1.36	9.89	1.15E+04	1.88
PCB-37 344'-TrCB	24.92		1.0008	1.0008	0	5.66E+06	1.05	1.07	126	1.15E+04	2.38
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	4.00E+03	1.23
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9092	-1.8	1.39E+06	0.76	0.60	52.2	4.33E+03	1.71
PCB-45 22'36-TeCB	21.51		0.9351	0.9348	-0.4	9.57E+05	0.82	0.53	40.9	4.33E+03	1.94
PCB-51 22'46'-TeCB	21.59		0.9384	0.9382	-0.3	2.90E+05	0.78	0.59	11.1	4.33E+03	1.74
PCB-46 22'36'-TeCB	21.78		0.9469	0.9466	-0.4	3.69E+05	0.77	0.49	16.9	4.33E+03	2.07
PCB-52 22'55'-TeCB	23.03		1.0010	1.0010	0	4.48E+07	0.77	0.59	1,710	4.33E+03	1.73
PCB-73 23'5'6-TeCB	23.14	EMPC	1.0063	1.0059	-0.6	2.29E+04	0.52	0.77	0.677	4.33E+03	1.34
PCB-43 22'35-TeCB	23.24		1.0101	1.0102	+0.1	3.33E+05	0.74	0.53	14.2	4.33E+03	1.93
PCB-69/49 23'46/22'45'-TeCB	23.46	C	1.0187	1.0196	+1.3	1.47E+07	0.77	0.72	458	4.33E+03	1.42
PCB-48 22'45-TeCB	23.71		1.0304	1.0306	+0.3	2.05E+06	0.80	0.60	77.6	4.33E+03	1.72
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0385	-1.6	2.28E+07	0.77	0.64	805	4.33E+03	1.6
PCB-59/62/75 ...-TeCB	24.19	C	1.0514	1.0514	0	1.28E+06	0.75	0.81	35.7	4.33E+03	1.27
PCB-42 22'34'-TeCB	24.36		1.0582	1.0585	+0.4	3.20E+06	0.76	0.55	132	4.33E+03	1.88
PCB-41 22'34-TeCB	24.68		1.0722	1.0725	+0.4	7.19E+05	0.73	0.51	31.8	4.33E+03	2
PCB-71/40 23'4'6/22'33'-TeCB	24.78	C	1.0764	1.0770	+0.9	8.12E+06	0.80	0.60	304	4.33E+03	1.7
PCB-64 234'6-TeCB	24.98		1.0850	1.0857	+1.0	1.10E+07	0.78	0.86	289	4.33E+03	1.19
PCB-72 23'55'-TeCB	25.73		0.8379	0.8385	+0.9	4.58E+05	0.84	1.24	8.37	1.33E+04	2.55
PCB-68 23'45'-TeCB	25.98		0.8461	0.8467	+0.9	3.60E+05	0.74	1.31	6.19	1.33E+04	2.41
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.33E+04	2.68
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	1.33E+04	2.61
PCB-67 23'45-TeCB	26.68		0.8692	0.8697	+0.8	8.78E+05	0.75	1.26	15.7	1.33E+04	2.51
PCB-63 234'5-TeCB	26.90		0.8765	0.8767	+0.3	1.50E+06	0.80	1.28	26.6	1.33E+04	2.48
PCB-61/70/74/76 ...-TeCB	27.19	C	0.8856	0.8861	+0.8	1.02E+08	0.78	1.21	1,920	1.33E+04	2.62
PCB-66 23'44'-TeCB	27.45		0.8947	0.8949	+0.3	3.73E+07	0.77	1.12	752	1.33E+04	2.82
PCB-55 233'4-TeCB	27.59		0.8992	0.8993	+0.2	3.66E+05	0.68	1.18	7	1.33E+04	2.67
PCB-56 233'4'-TeCB	28.02		0.9132	0.9134	+0.3	1.55E+07	0.77	1.12	314	1.33E+04	2.83
PCB-60 2344'-TeCB	28.21		0.9193	0.9195	+0.3	7.71E+06	0.76	1.17	149	1.33E+04	2.7
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.33E+04	2.4
PCB-79 33'45'-TeCB	29.86		0.9730	0.9731	+0.2	2.21E+06	0.73	1.34	37.3	1.33E+04	2.36
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.33E+04	2.92
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.05E+03	0.593
PCB-96 22'366'-PeCB	24.17		1.0136	1.0135	-0.1	3.93E+05	0.63	0.97	13.5	2.05E+03	0.621
PCB-103 22'45'6-PeCB	25.89		0.8946	0.8954	+1.2	3.80E+05	0.61	0.87	15	5.03E+03	1.93
PCB-94 22'356'-PeCB	26.07		0.9008	0.9016	+1.3	2.32E+05	0.60	0.76	10.5	5.03E+03	2.22

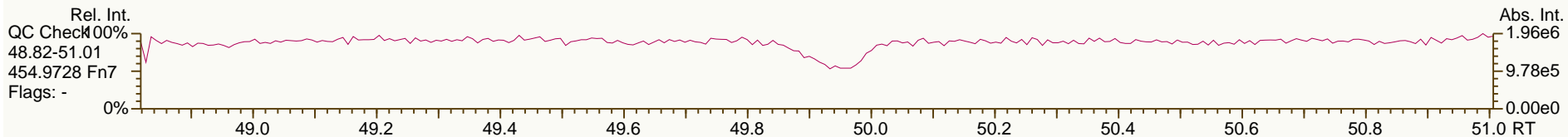
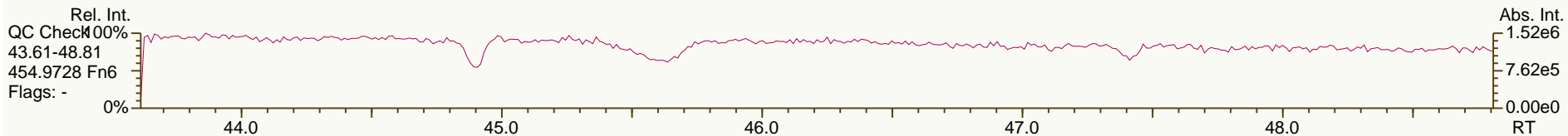
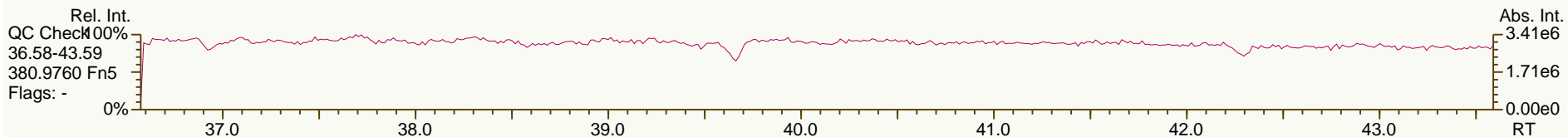
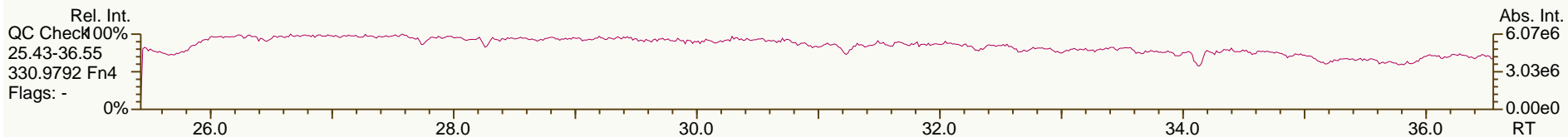
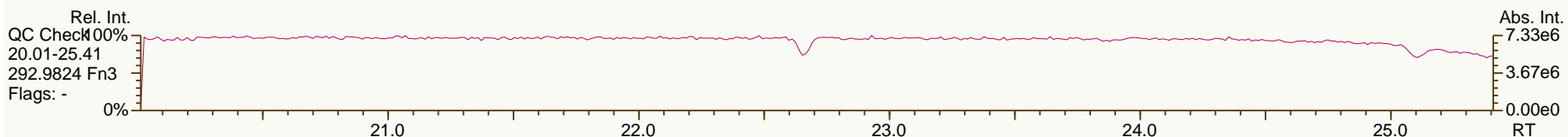
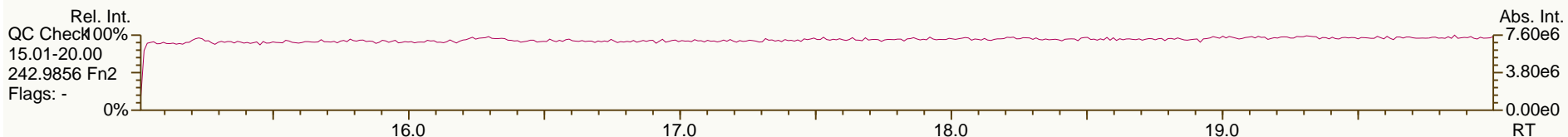
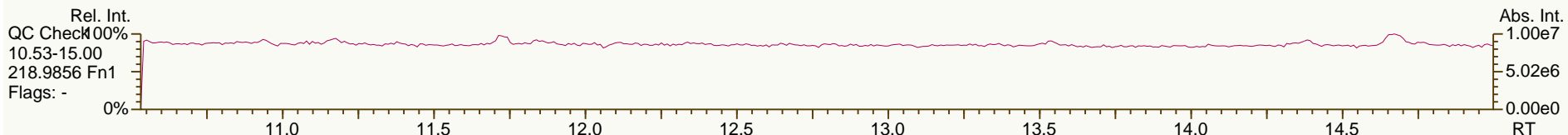
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.43		0.9137	0.9141	+0.6	6.13E+07	0.64	0.80	2,630	5.03E+03	2.09
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	5.03E+03	2.08
PCB-102 22'456'-PeCB	26.73		0.9247	0.9244	-0.5	2.22E+06	0.63	0.91	84.4	5.03E+03	1.86
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	5.03E+03	2.22
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.03E+03	2.25
PCB-91 22'34'6-PeCB	27.17		0.9394	0.9396	+0.3	1.01E+07	0.62	0.87	397	5.03E+03	1.93
PCB-84 22'33'6-PeCB	27.35		0.9457	0.9458	+0.2	1.88E+07	0.63	0.70	928	5.03E+03	2.4
PCB-89 22'346'-PeCB	27.76		0.9599	0.9601	+0.3	5.38E+05	0.66	0.73	25.5	5.03E+03	2.31
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.03E+03	1.52
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	1.61E+07	0.62	0.77	725	5.03E+03	2.2
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	1.06E+08	0.63	0.91	4,010	5.03E+03	1.85
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0144	-0.2	4.30E+06	0.63	0.68	218	5.03E+03	2.48
PCB-99 22'44'5-PeCB	29.43		1.0180	1.0180	0	4.65E+07	0.63	0.82	1,940	5.03E+03	2.04
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	5.03E+03	1.57
PCB-108/119/86/97/125...-PeCB	29.90	C	1.0330	1.0340	+1.8	7.32E+07	0.63	0.90	2,800	5.03E+03	1.87
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	5.03E+03	1.7
PCB-116/85 23456/22'344'-PeCB	30.46	C	1.0541	1.0534	-1.3	1.90E+07	0.62	0.92	709	5.03E+03	1.82
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0584	0	1.43E+08	0.63	0.98	5,030	5.03E+03	1.71
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.03E+03	1.61
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0676	-0.2	8.69E+06	0.62	0.64	466	5.03E+03	2.62
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	5.03E+03	1.64
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.03E+03	1.53
PCB-107/124 ...-PeCB	32.57	C	0.9913	0.9914	+0.2	4.69E+06	0.63	0.95	169	5.03E+03	1.76
PCB-109 233'46-PeCB	32.77		0.9975	0.9976	+0.2	7.72E+06	0.63	1.05	253	5.03E+03	1.6
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.03E+03	1.85
PCB-122 233'4'5'-PeCB	33.43		1.0092	1.0091	-0.2	1.16E+06	0.60	1.01	40	5.03E+03	1.77
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.03E+03	2.29
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	2.02E+03	0.519
PCB-152 22'3566'-HxCB	28.90		1.0057	1.0056	-0.2	1.32E+05	1.34	1.03	3.68	2.02E+03	0.52
PCB-150 22'34'66'-HxCB	29.06		1.0109	1.0109	0	1.31E+05	1.19	1.01	3.76	2.02E+03	0.535
PCB-136 22'33'66'-HxCB	29.34		1.0209	1.0209	0	1.34E+07	1.23	0.96	404	2.02E+03	0.562
PCB-145 22'3466'-HxCB	29.61	J	1.0303	1.0301	-0.4	5.31E+04	1.11	0.97	1.58	2.02E+03	0.553
PCB-148 22'34'56'-HxCB	30.90	EMPC	1.0750	1.0750	0	6.00E+04	0.96	0.73	2.37	2.02E+03	0.735
PCB-151/135 ...-HxCB	31.40	C	1.0926	1.0926	0	2.24E+07	1.24	0.71	914	2.02E+03	0.761
PCB-154 22'44'56'-HxCB	31.62		1.1001	1.1001	0	9.27E+05	1.22	0.81	32.8	2.02E+03	0.66
PCB-144 22'345'6-HxCB	31.87		1.1089	1.1089	0	3.87E+06	1.26	0.72	156	2.02E+03	0.749
PCB-147/149 ...-HxCB	32.17	C	1.1193	1.1192	-0.2	6.73E+07	1.25	0.74	2,640	2.02E+03	0.73
PCB-134 22'33'56-HxCB	32.34		1.1251	1.1250	-0.2	4.94E+06	1.23	0.63	228	2.02E+03	0.859
PCB-143 22'3456'-HxCB	32.42		1.1279	1.1280	+0.2	3.85E+05	1.30	0.67	16.5	2.02E+03	0.8
PCB-139/140 ...-HxCB	32.68	C	1.1372	1.1371	-0.2	2.31E+06	1.24	0.70	95	2.02E+03	0.767
PCB-131 22'33'46-HxCB	32.85		1.1428	1.1429	+0.2	1.54E+06	1.26	0.62	71.6	2.02E+03	0.869
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	2.02E+03	0.869
PCB-132 22'33'46'-HxCB	33.23		1.1559	1.1560	+0.2	3.23E+07	1.25	0.63	1,480	2.02E+03	0.854
PCB-133 22'33'55'-HxCB	33.67		1.1710	1.1713	+0.6	1.14E+06	1.22	0.68	48.7	2.02E+03	0.795
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	2.02E+03	0.656
PCB-146 22'34'55'-HxCB	34.21		0.9569	0.9567	-0.4	1.30E+07	1.26	0.72	519	2.02E+03	0.747
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	2.02E+03	0.589
PCB-153/168 ...-HxCB	34.74	C	0.9720	0.9714	-1.3	8.83E+07	1.24	0.85	3,010	2.02E+03	0.636

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.89		0.9758	0.9758	0	1.42E+07	1.24	0.68	601	2.02E+03	0.791
PCB-130 22'33'45'-HxCB	35.24		0.9853	0.9853	0	5.97E+06	1.24	0.60	287	2.02E+03	0.896
PCB-137 22'344'5'-HxCB	35.43		0.9908	0.9908	0	6.77E+06	1.22	0.64	307	2.02E+03	0.846
PCB-164 233'4'5'6'-HxCB	35.52		0.9931	0.9932	+0.2	7.77E+06	1.25	0.91	246	2.02E+03	0.591
PCB-163/138/129 ...-HxCB	35.79	C	1.0011	1.0007	-0.9	1.04E+08	1.25	0.71	4,250	2.02E+03	0.761
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	2.02E+03	0.641
PCB-158 233'44'6'-HxCB	36.12		1.0101	1.0100	-0.2	1.59E+07	1.26	0.89	515	2.02E+03	0.604
PCB-128/166 ...-HxCB	36.85	C	0.9619	0.9618	-0.2	2.00E+07	1.26	0.93	856	3.60E+03	1.55
PCB-159 233'455'-HxCB	37.65		0.9838	0.9827	-2.5	4.63E+05	1.19	1.15	15.9	3.60E+03	1.25
PCB-162 233'4'55'-HxCB	37.93		0.9900	0.9900	0	4.73E+05	1.24	1.08	17.4	3.60E+03	1.34
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.60E+03	0.544
PCB-179 22'33'566'-HpCB	33.87		1.0086	1.0087	+0.2	4.29E+06	1.05	0.93	155	1.60E+03	0.554
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.60E+03	0.536
PCB-176 22'33'466'-HpCB	34.62		1.0309	1.0310	+0.2	1.39E+06	0.98	1.04	44.6	1.60E+03	0.492
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.60E+03	0.518
PCB-178 22'33'55'6'-HpCB	36.17		1.0769	1.0771	+0.4	1.51E+06	1.09	0.72	70.2	1.60E+03	0.714
PCB-175 22'33'45'6'-HpCB	36.71		1.0929	1.0933	+0.9	3.66E+05	1.13	0.74	16.6	2.58E+03	1.12
PCB-187 22'34'55'6'-HpCB	36.94		1.0998	1.1001	+0.7	1.07E+07	1.04	0.80	447	2.58E+03	1.04
PCB-182 22'344'56'-HpCB	37.11		1.1050	1.1052	+0.4	8.21E+04	1.08	0.82	3.36	2.58E+03	1.02
PCB-183 22'344'5'6'-HpCB	37.46		1.1152	1.1156	+0.9	5.63E+06	1.04	0.82	231	2.58E+03	1.02
PCB-185 22'3455'6'-HpCB	37.54		1.1174	1.1179	+1.1	5.65E+05	1.02	0.78	24.3	2.58E+03	1.07
PCB-174 22'33'456'-HpCB	37.65		1.1207	1.1210	+0.7	7.78E+06	1.00	0.72	358	2.58E+03	1.14
PCB-177 22'33'45'6'-HpCB	38.02		1.1319	1.1322	+0.7	4.23E+06	1.01	0.62	228	2.58E+03	1.34
PCB-181 22'344'56'-HpCB	38.36		1.1422	1.1424	+0.5	2.02E+05	1.02	0.78	8.64	2.58E+03	1.06
PCB-171/173 ...-HpCB	38.56	C	1.1474	1.1482	+1.9	2.70E+06	1.04	0.67	135	2.58E+03	1.24
PCB-172 22'33'455'-HpCB	39.93		0.9042	0.9038	-1.0	1.41E+06	1.08	0.71	67.7	2.58E+03	1.35
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.58E+03	0.978
PCB-180/193 ...-HpCB	40.48	C	0.9160	0.9164	+1.0	2.12E+07	1.03	0.82	874	2.58E+03	1.16
PCB-191 233'44'5'6'-HpCB	40.78		0.9234	0.9231	-0.7	4.65E+05	0.99	0.99	16	2.58E+03	0.966
PCB-170 22'33'44'5'-HpCB	41.54		0.9406	0.9403	-0.7	8.74E+06	1.02	0.67	439	2.58E+03	1.41
PCB-190 233'44'56'-HpCB	42.00		0.9509	0.9506	-0.8	2.01E+06	1.01	0.88	77.1	2.58E+03	1.08
PCB-202 22'33'55'66'-OoCB	38.13		1.0006	1.0006	0	2.62E+06	0.92	0.86	119	2.17E+03	0.969
PCB-201 22'33'45'66'-OoCB	38.92		1.0211	1.0211	0	1.17E+06	0.89	1.05	43.2	2.17E+03	0.789
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.17E+03	0.882
PCB-197 22'33'44'66'-OoCB	39.68		1.0412	1.0410	-0.5	1.58E+05	0.91	1.07	5.73	2.17E+03	0.776
PCB-200 22'33'4566'-OoCB	39.76		1.0433	1.0433	0	1.02E+06	0.87	0.97	40.6	2.17E+03	0.853
PCB-198/199 ...-OoCB	42.15	C	1.1049	1.1058	+2.3	8.34E+06	0.89	0.62	522	2.17E+03	1.34
PCB-196 22'33'44'56'-OoCB	42.70		1.1201	1.1204	+0.8	2.38E+06	0.87	0.63	147	2.17E+03	1.32
PCB-203 22'344'55'6'-OoCB	42.87		1.1245	1.1249	+1.0	5.77E+06	0.92	0.68	333	2.17E+03	1.23
PCB-195 22'33'44'56'-OoCB	43.99		0.9489	0.9485	-1.1	1.10E+06	0.92	0.87	75.9	2.59E+03	1.85
PCB-194 22'33'44'55'-OoCB	45.99		0.9917	0.9917	0	5.09E+06	0.90	0.84	368	2.59E+03	1.93
PCB-205 233'44'55'6'-OoCB	46.39		1.0004	1.0004	0	2.05E+05	1.01	1.20	10.3	2.59E+03	1.35
PCB-208 22'33'455'66'-NoCB	43.79		1.0005	1.0005	0	2.15E+06	0.80	1.01	106	4.32E+03	2.26
PCB-207 22'33'44'566'-NoCB	44.59		1.0186	1.0187	+0.3	9.29E+05	0.74	1.00	46.2	4.32E+03	2.27
PCB-206 22'33'44'55'6'-NoCB	47.90		1.0004	1.0004	0	6.35E+06	0.77	0.95	490	4.32E+03	3.57

AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

Acq: 04-Jul-2012 02:24:07
 User: CEM Datafile: 120703V25



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 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
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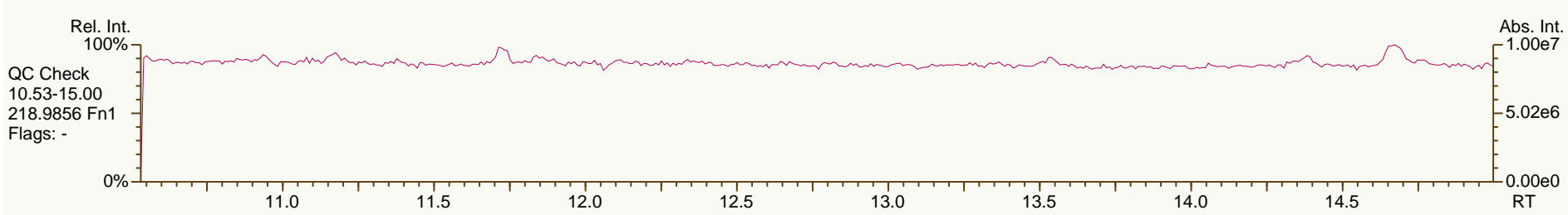
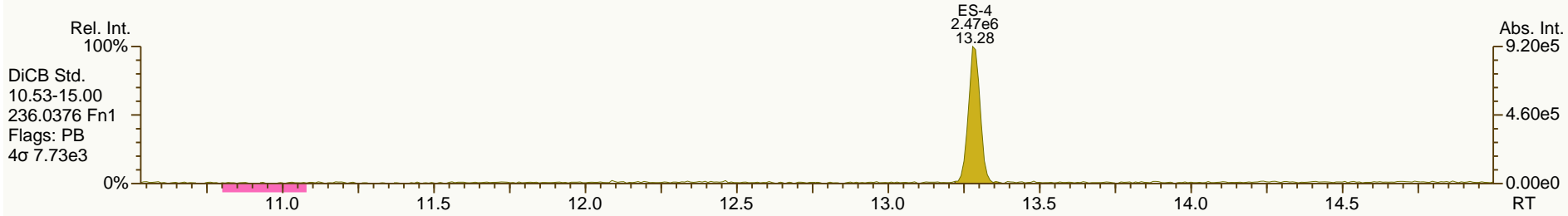
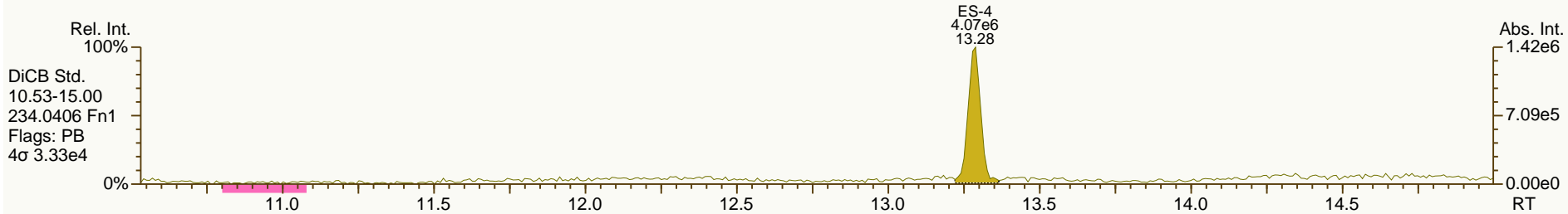
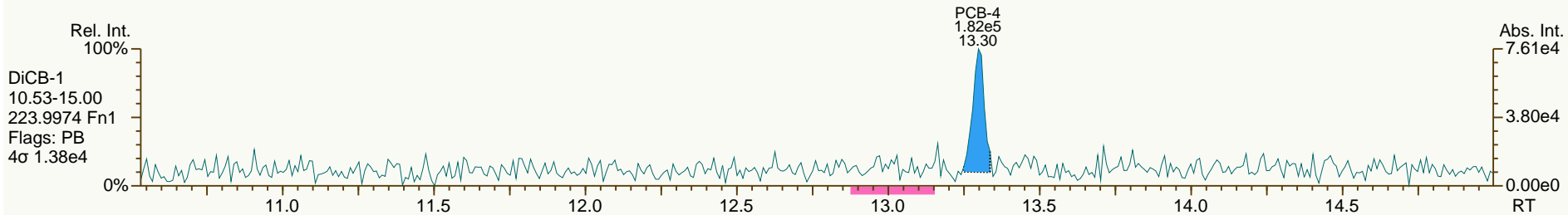
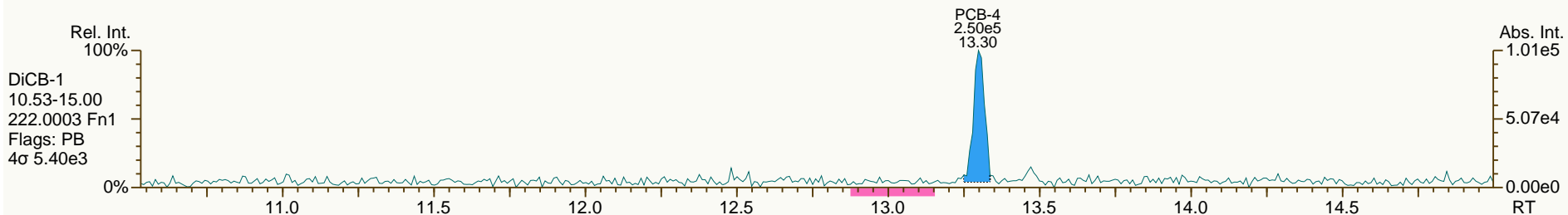
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
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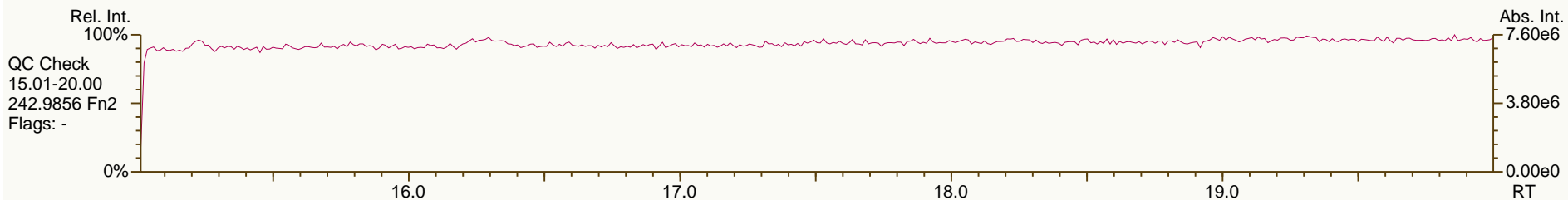
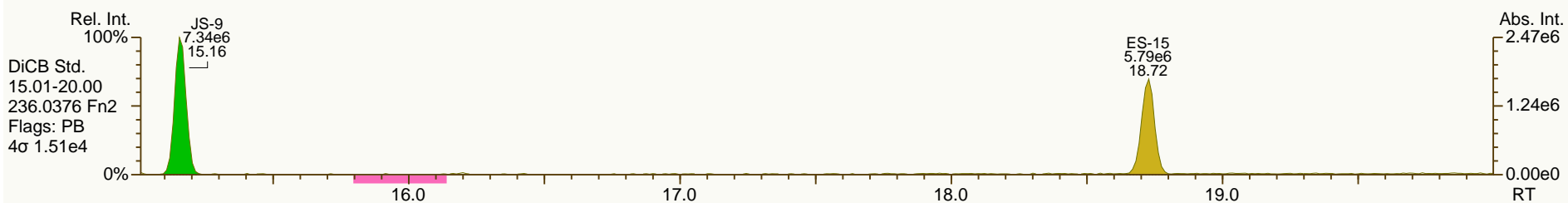
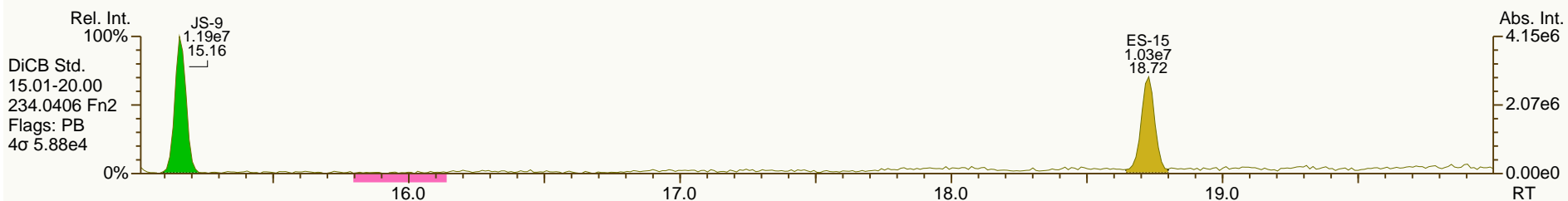
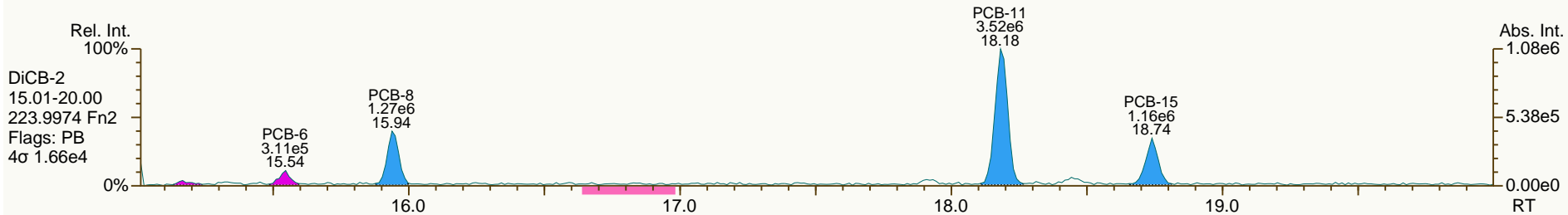
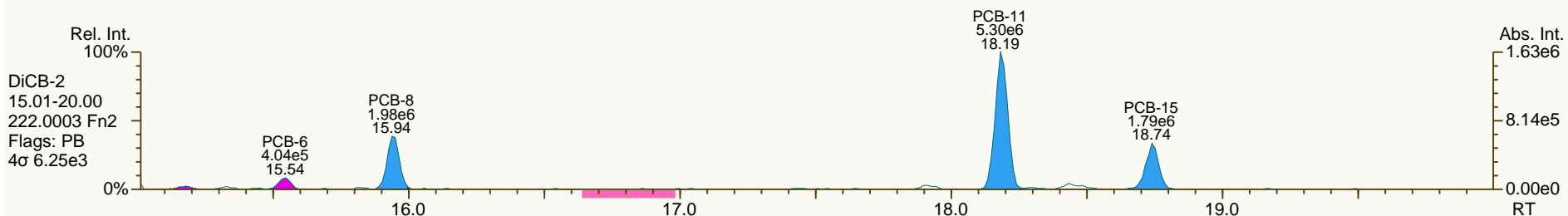
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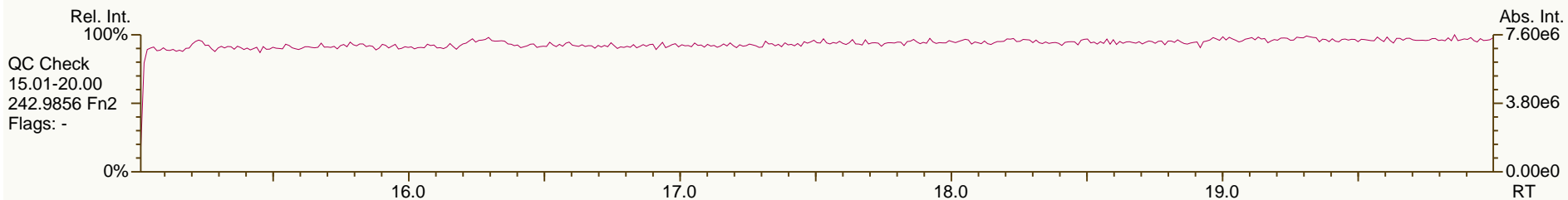
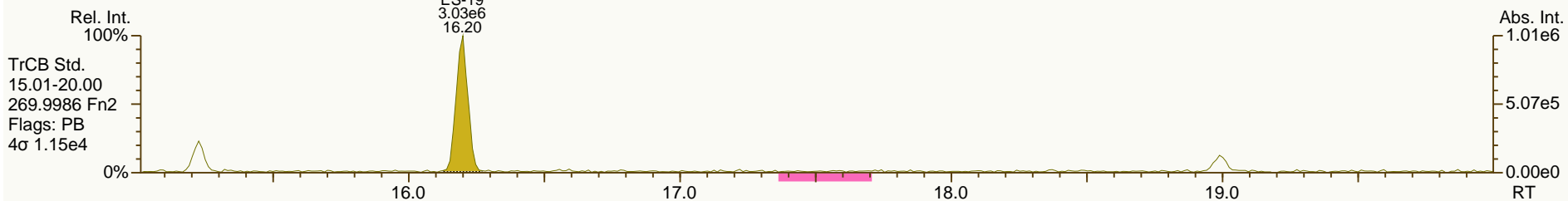
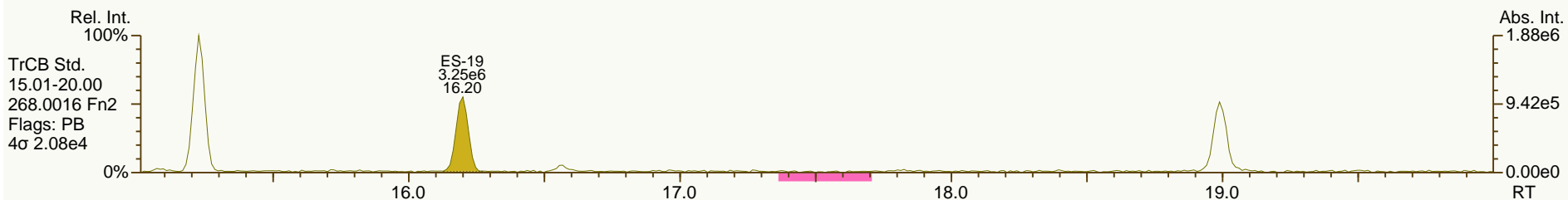
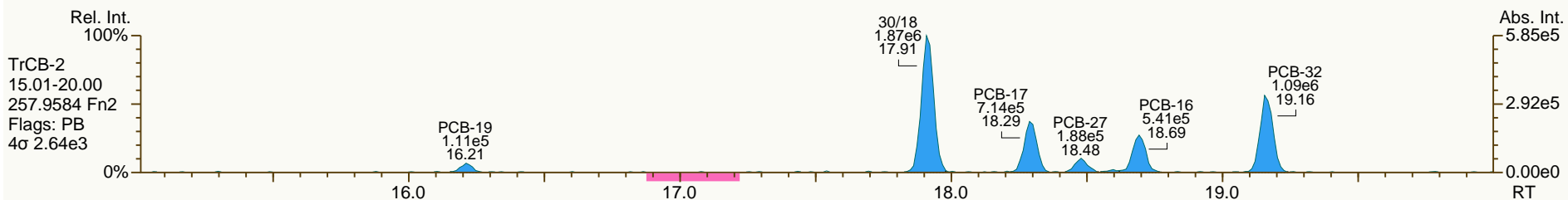
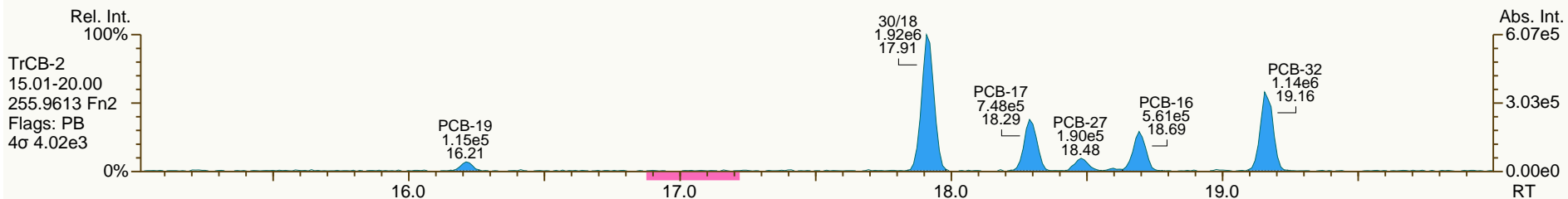
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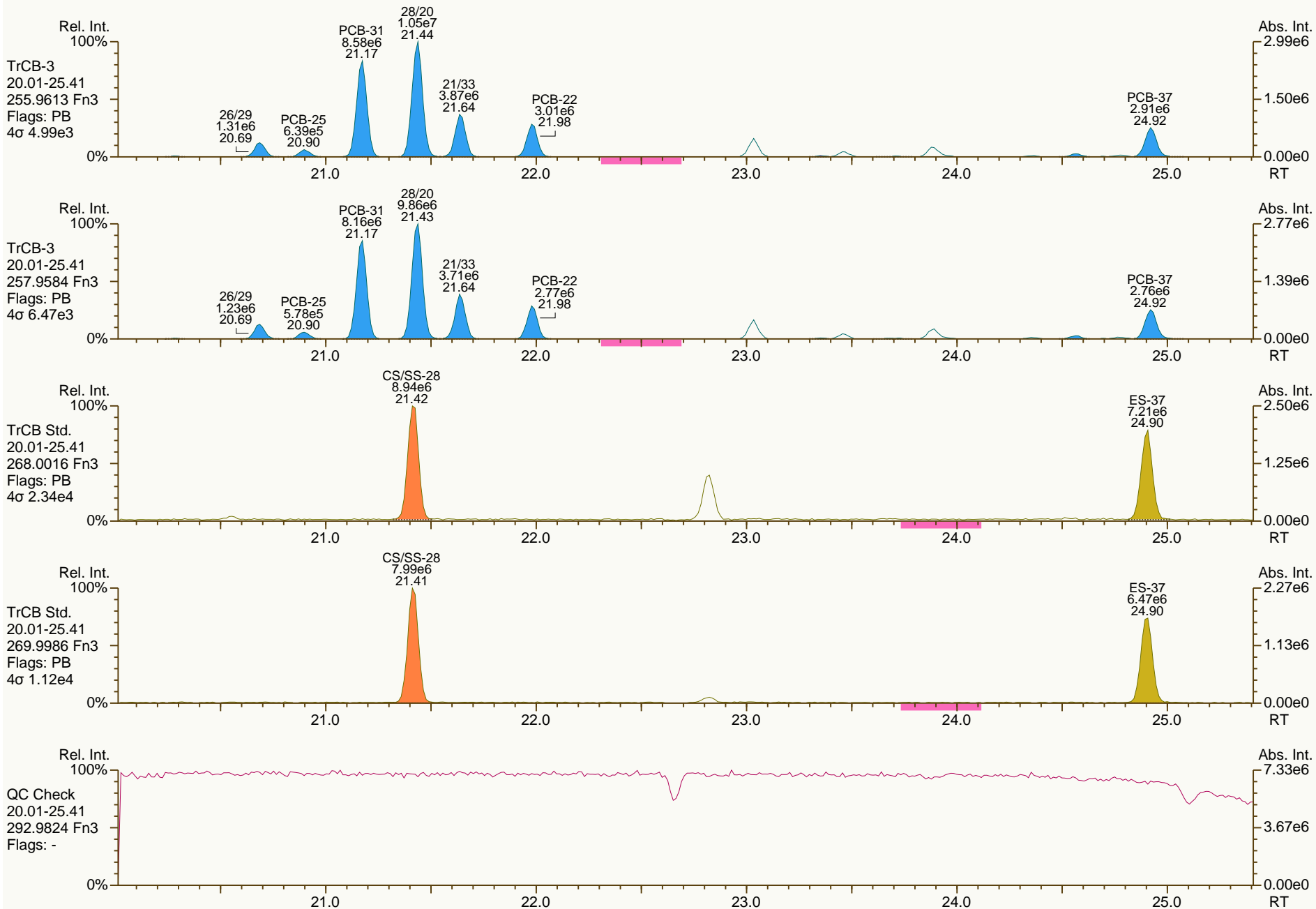
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AP Lab ID: A4373_9894_PCB_005
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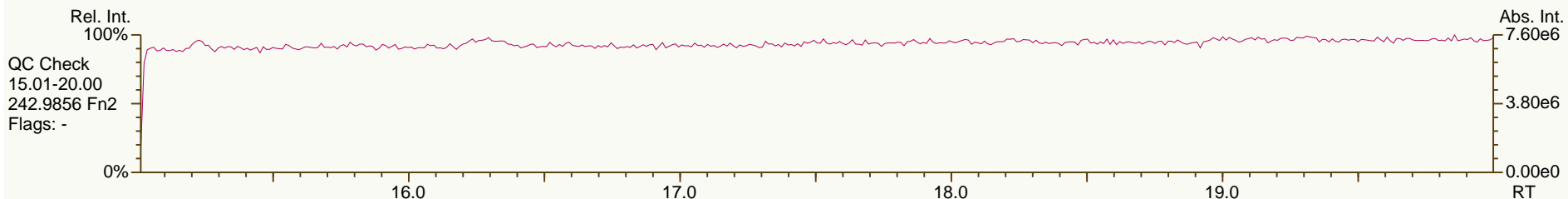
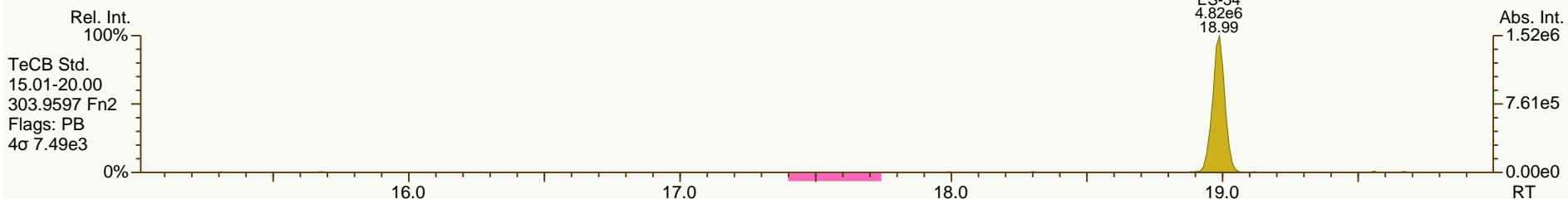
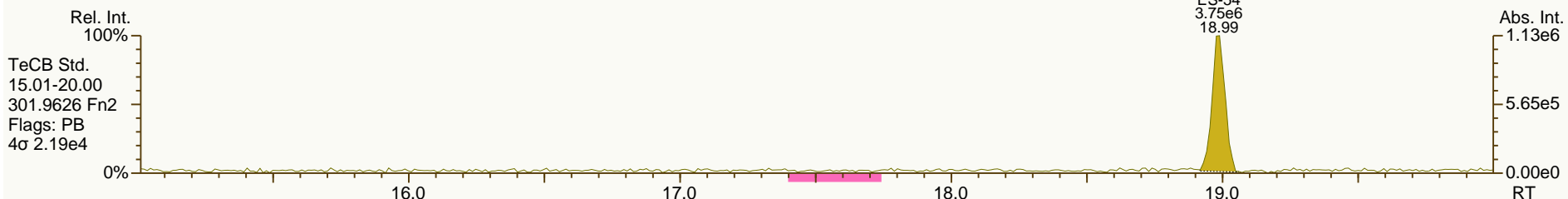
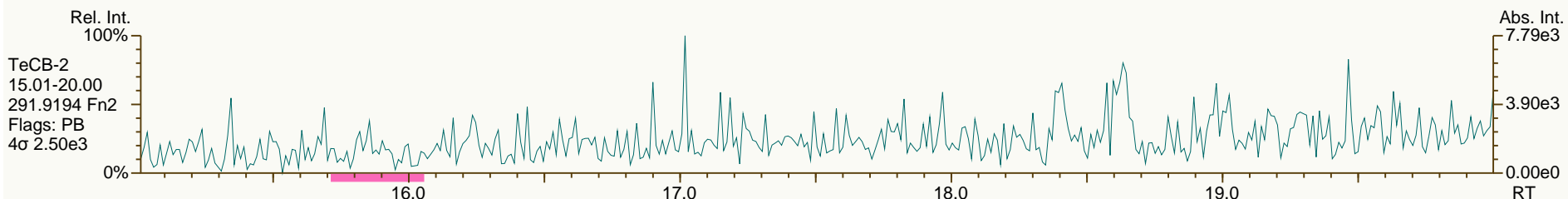
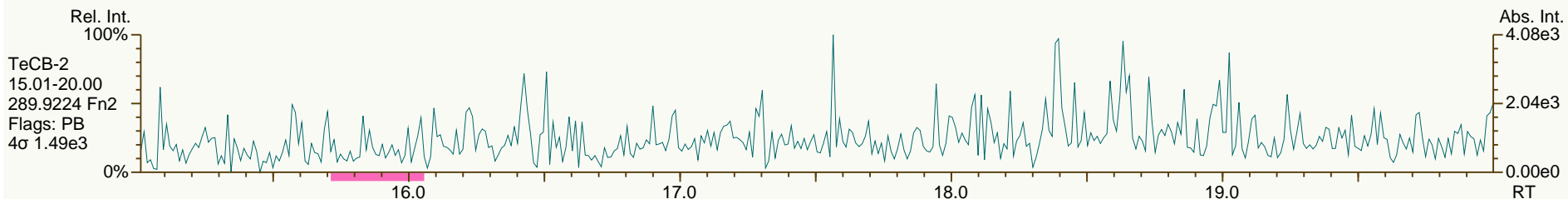
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AP Lab ID: A4373_9894_PCB_005
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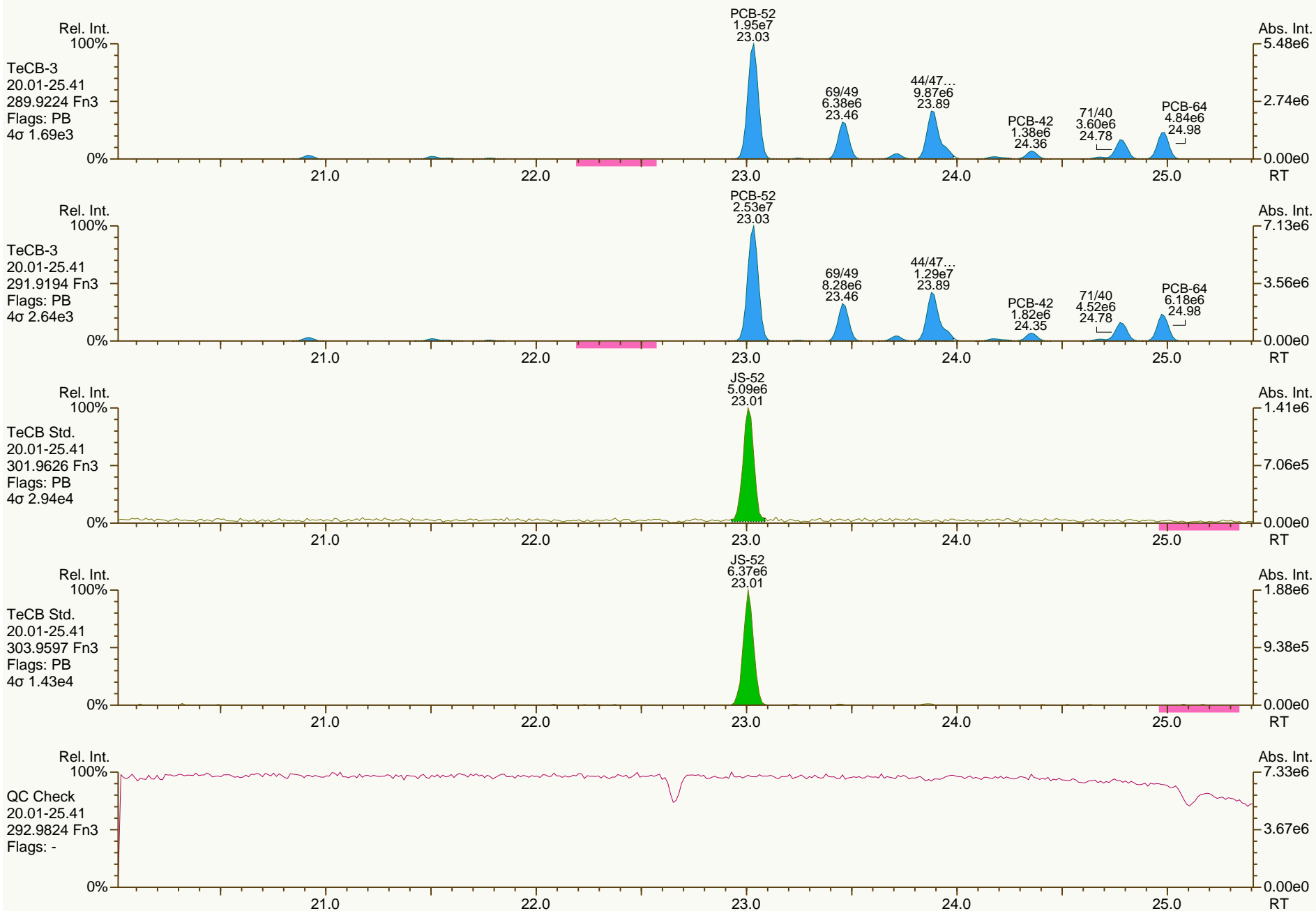
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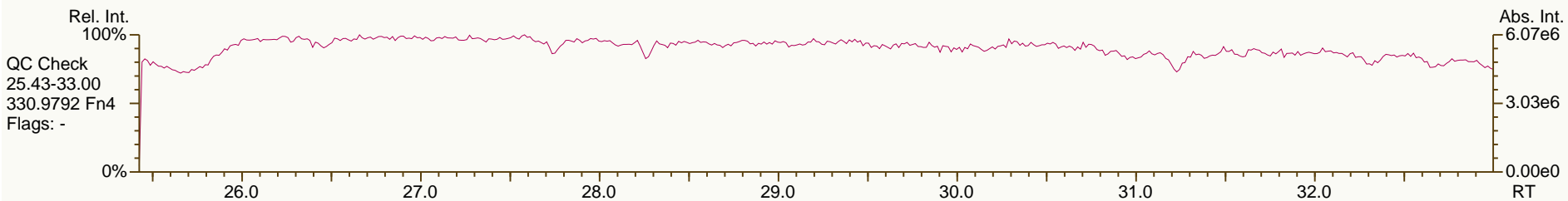
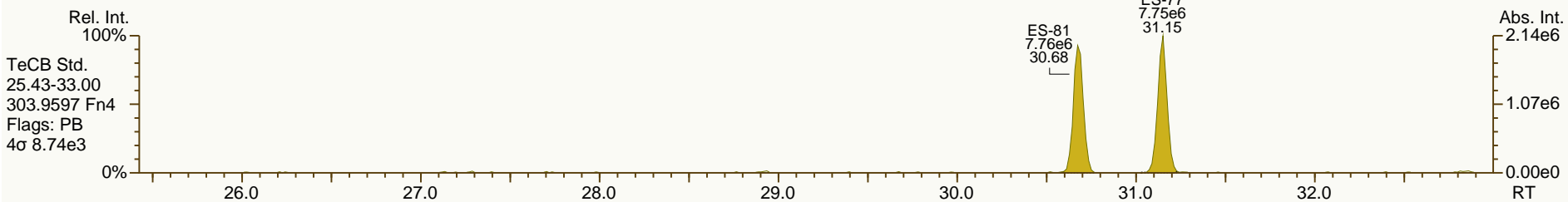
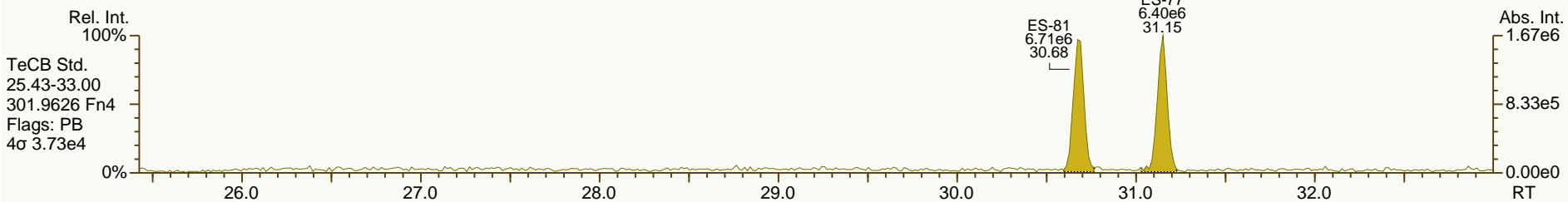
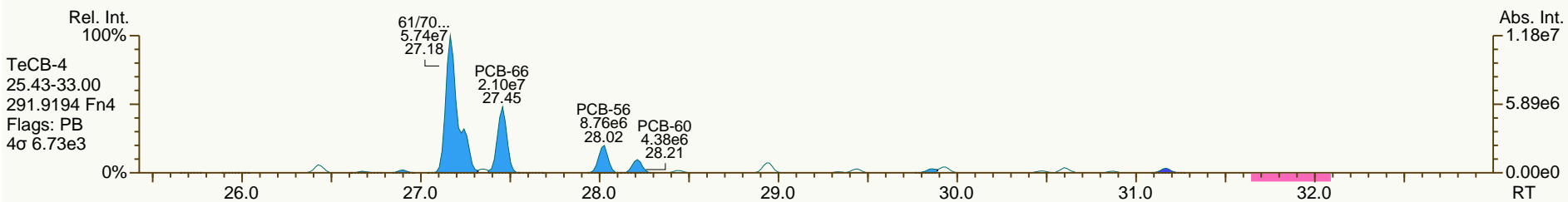
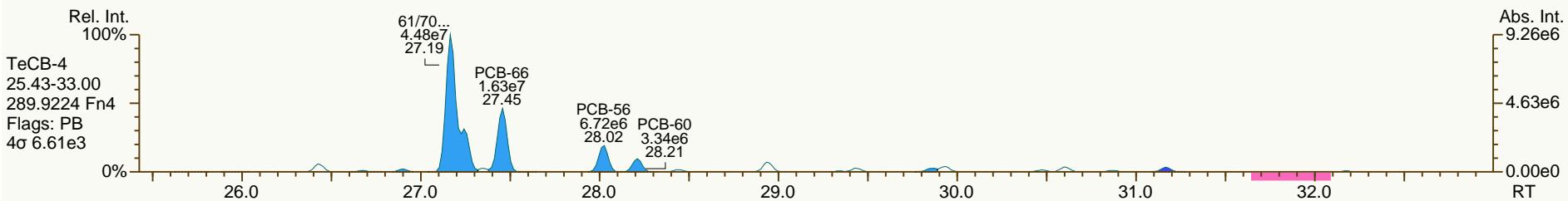
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AP Lab ID: A4373_9894_PCB_005
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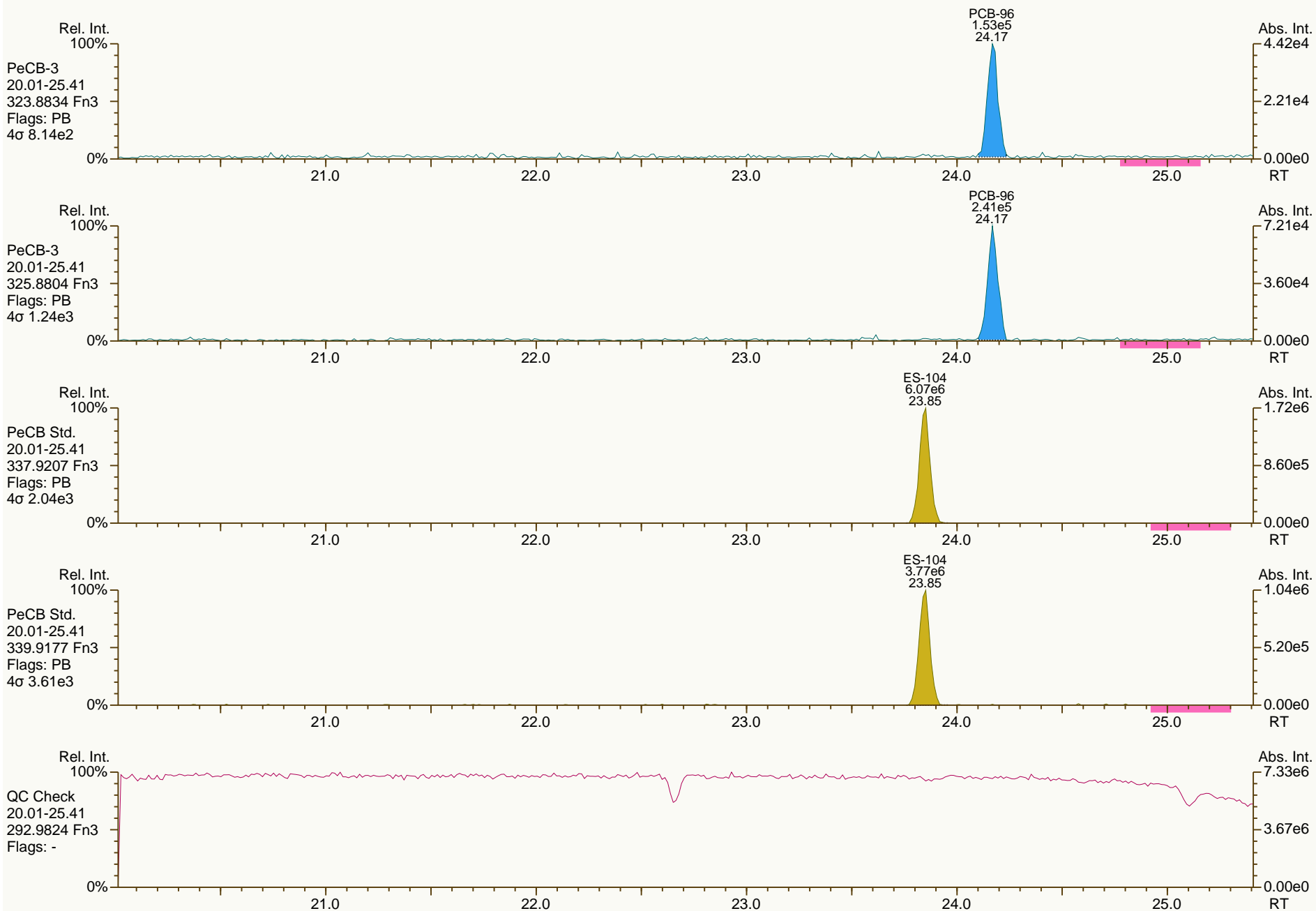
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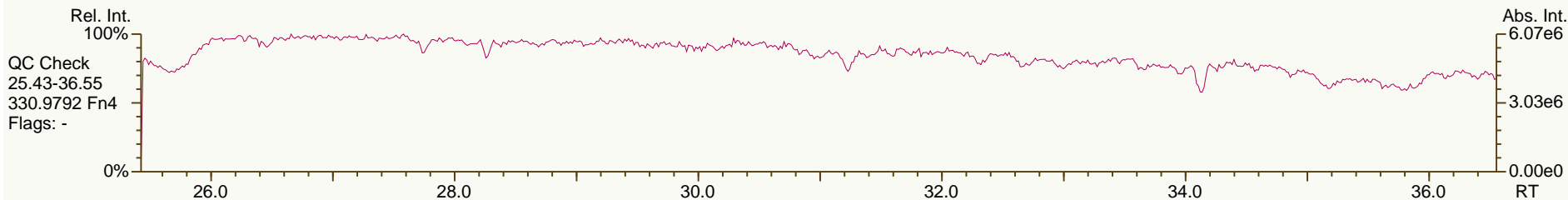
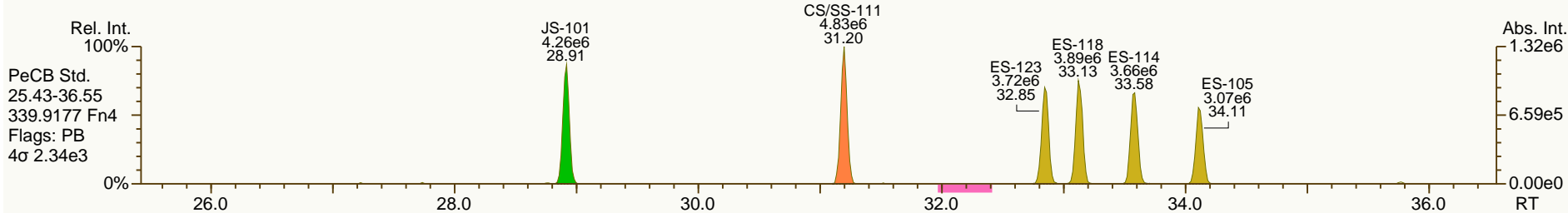
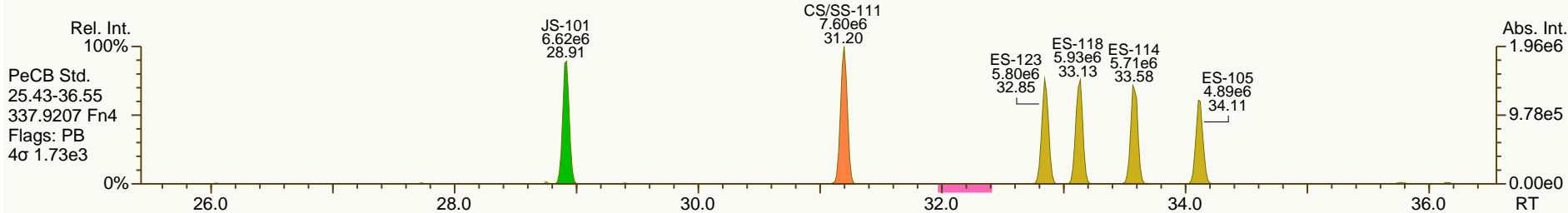
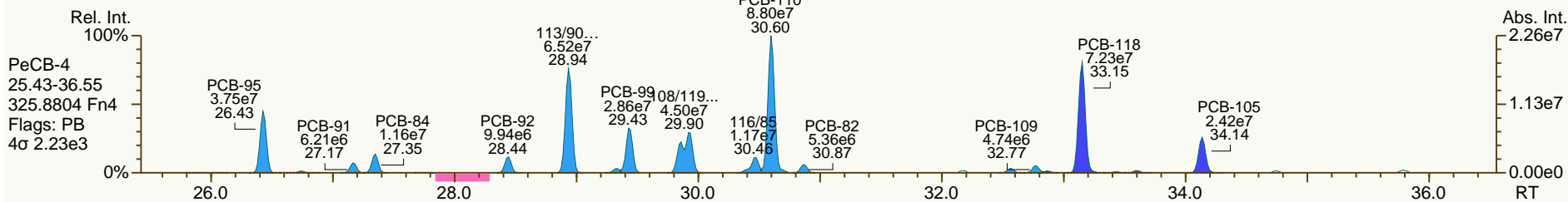
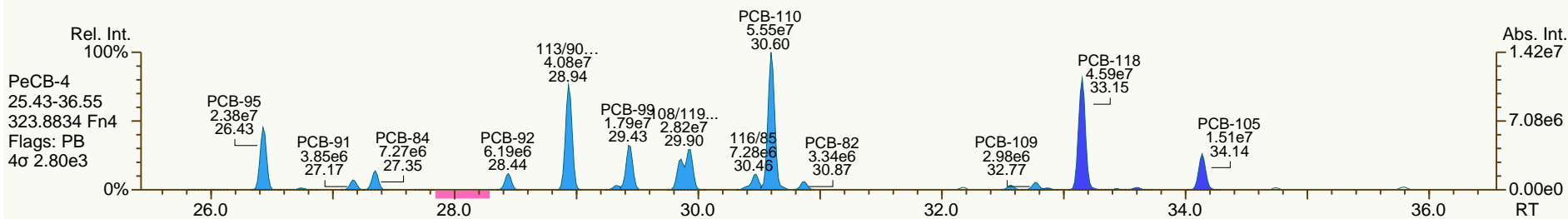
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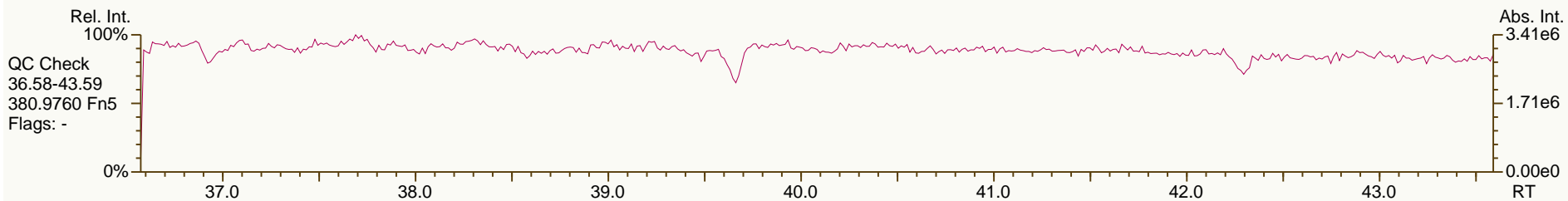
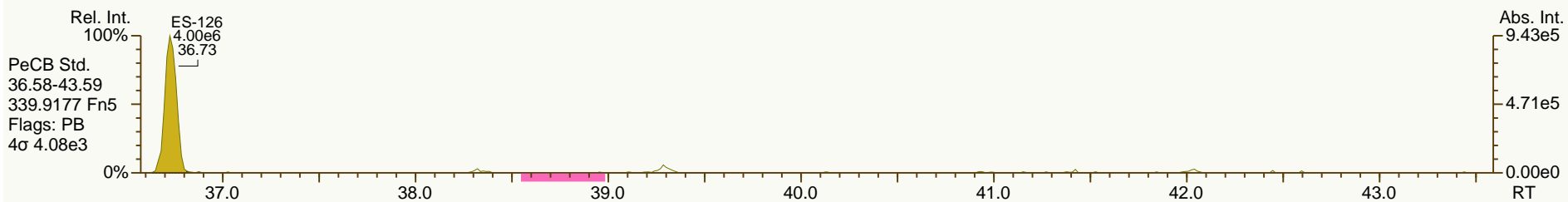
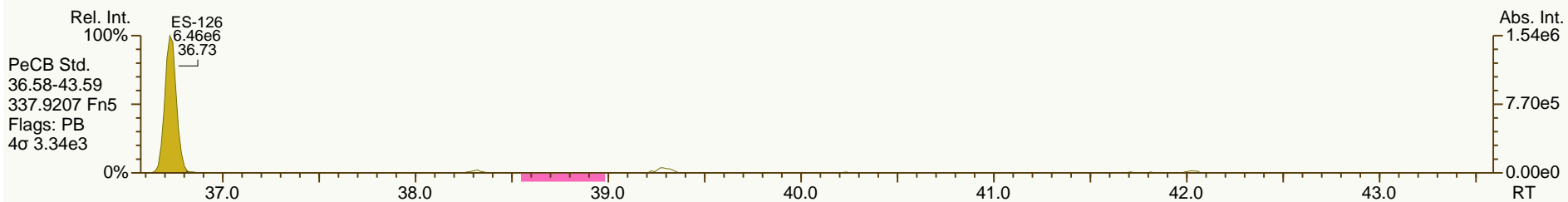
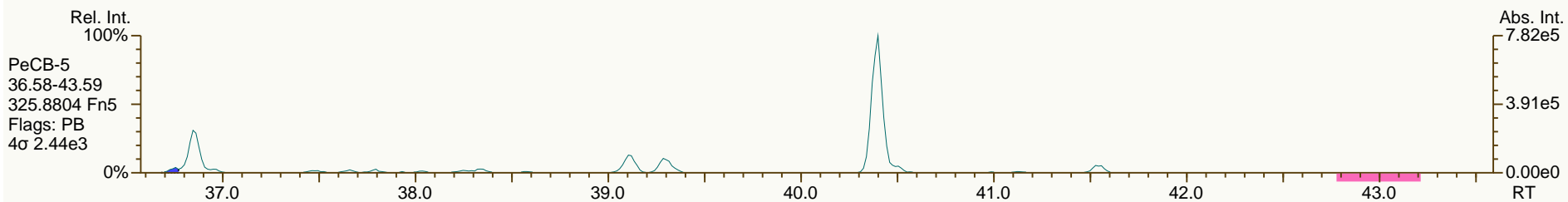
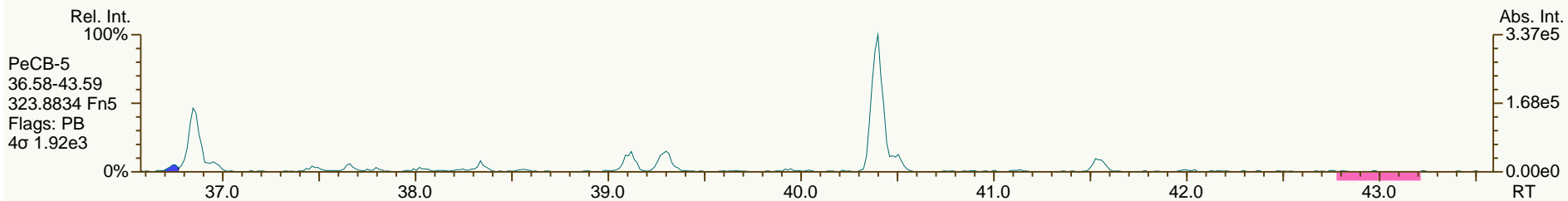
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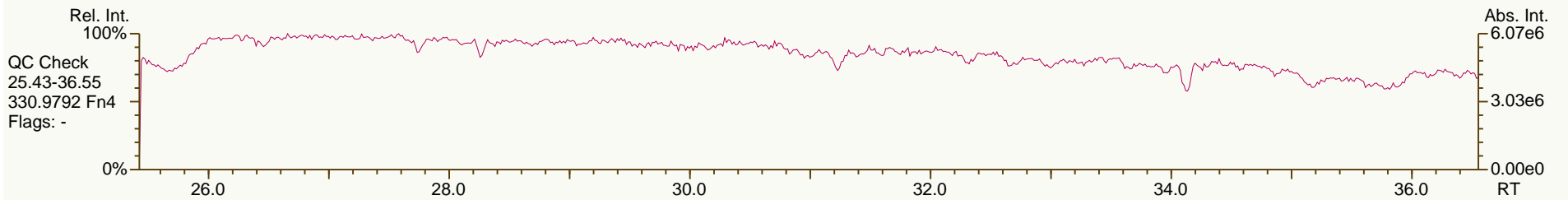
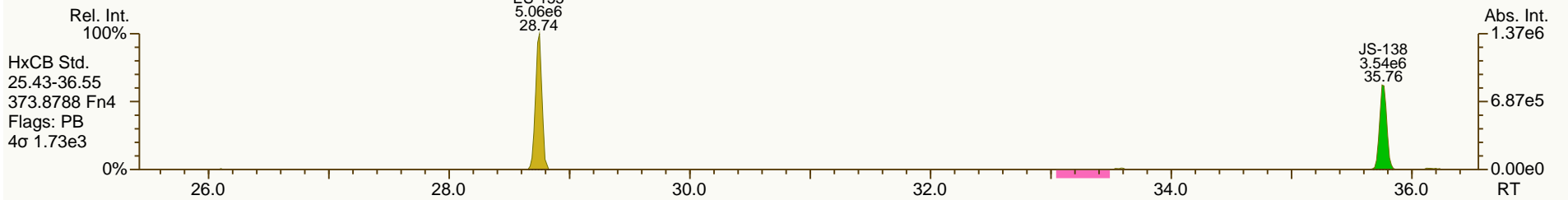
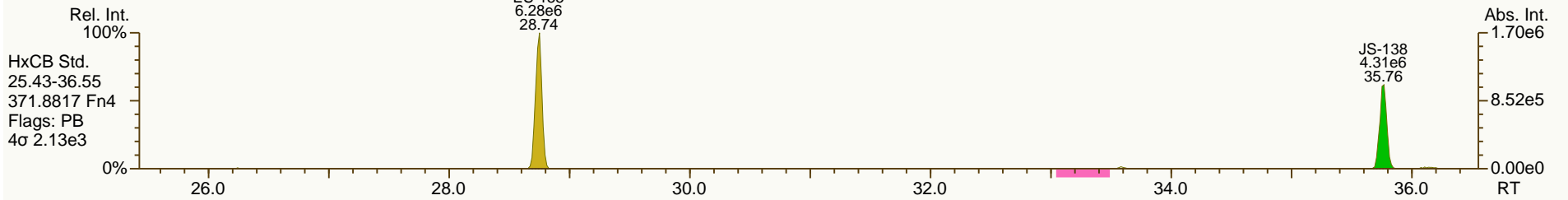
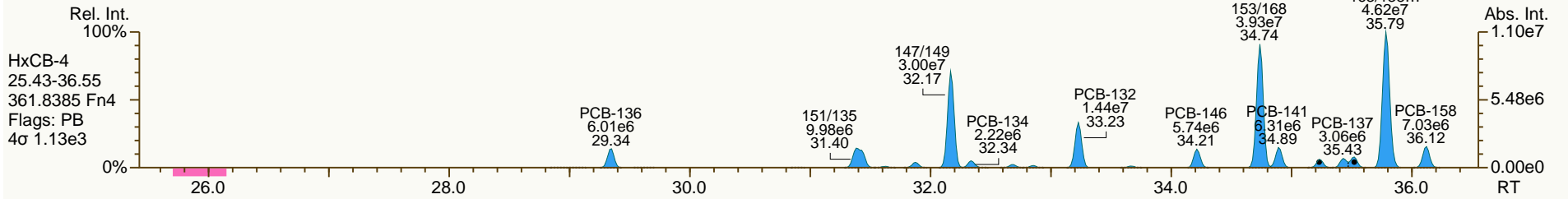
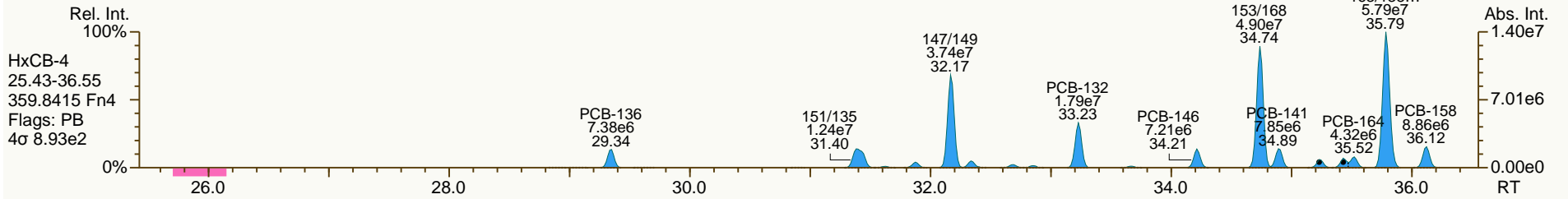
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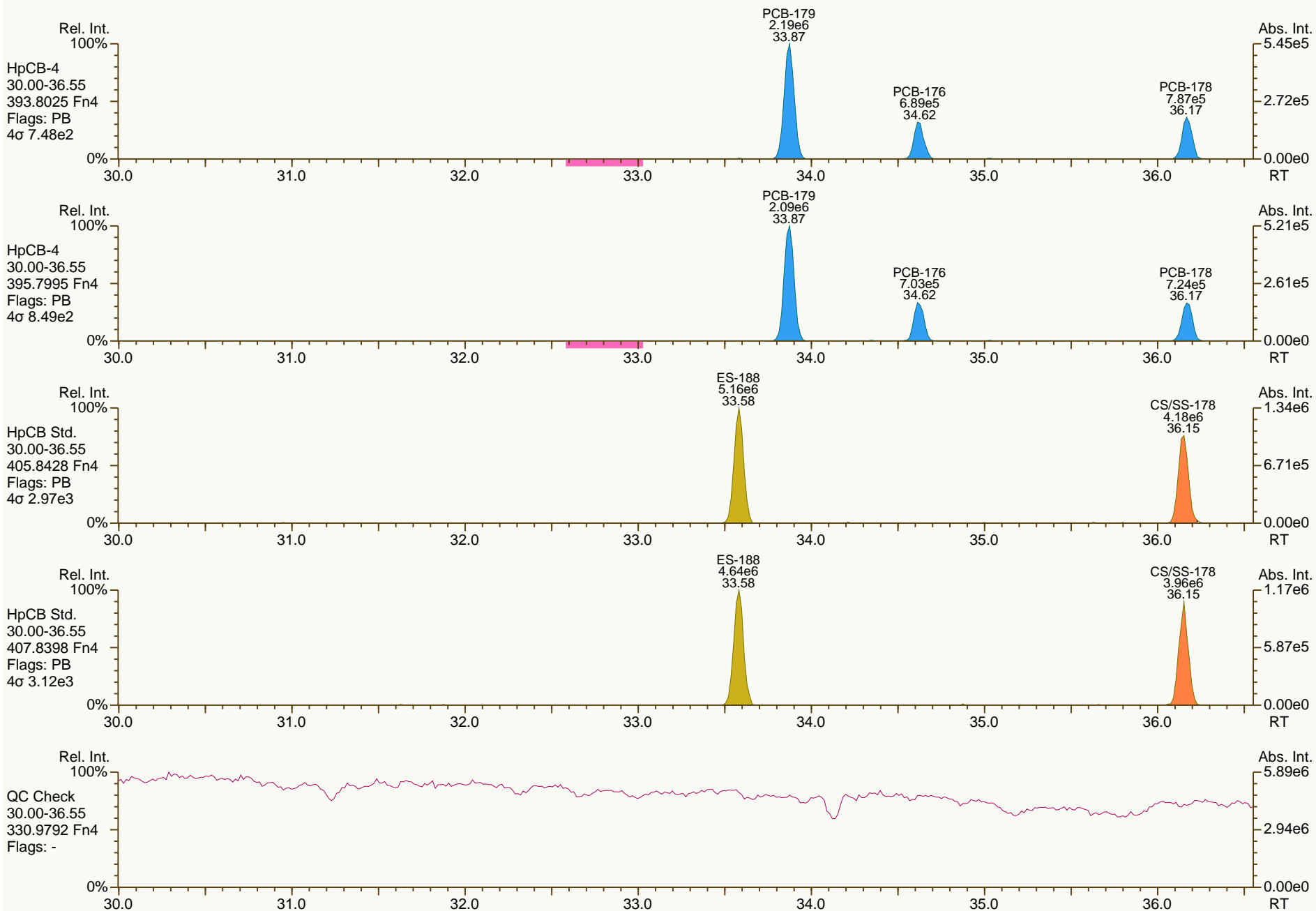
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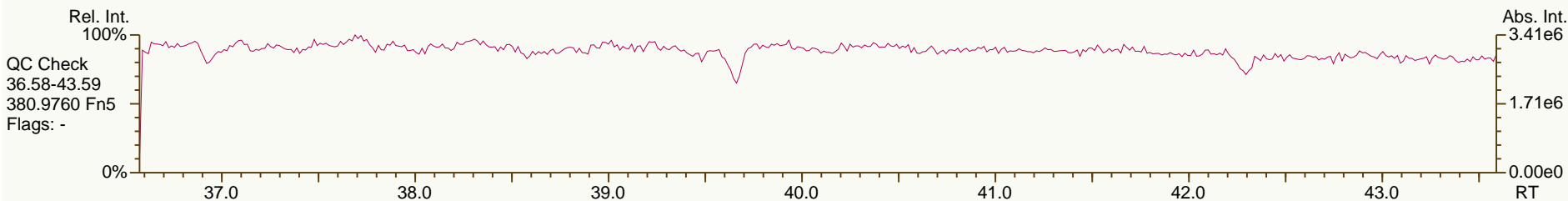
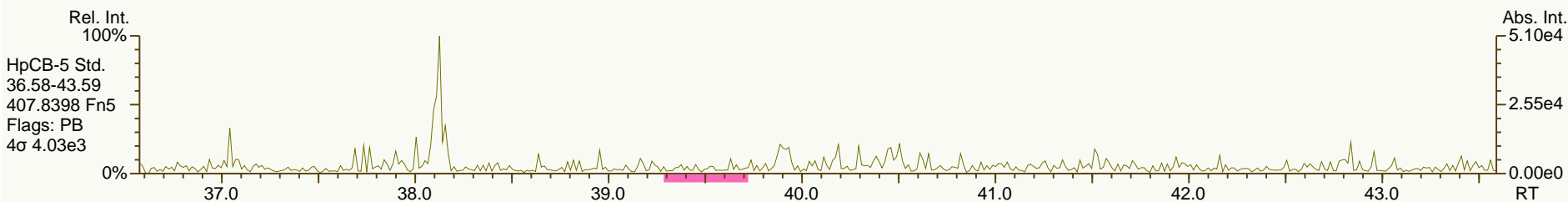
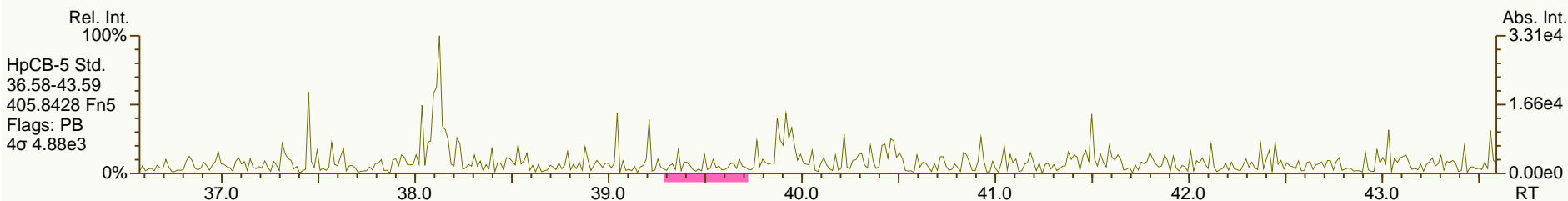
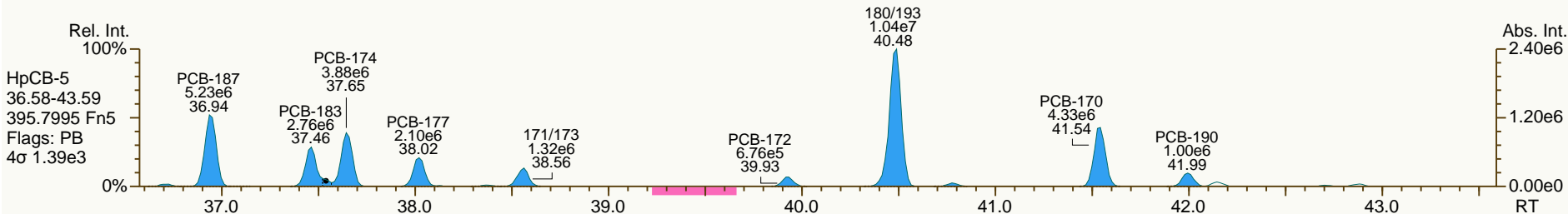
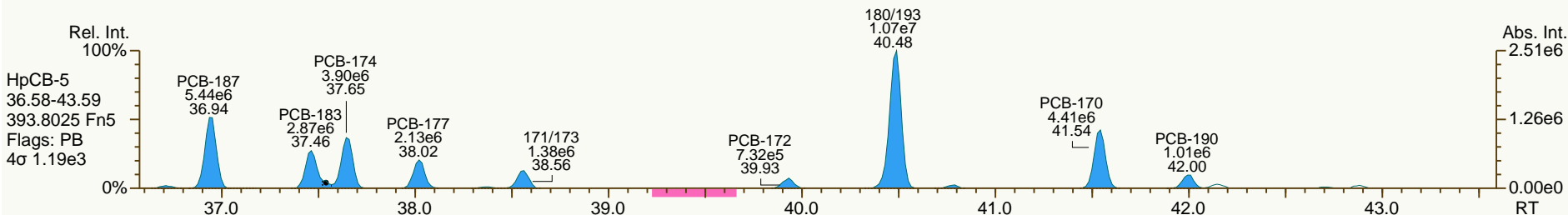
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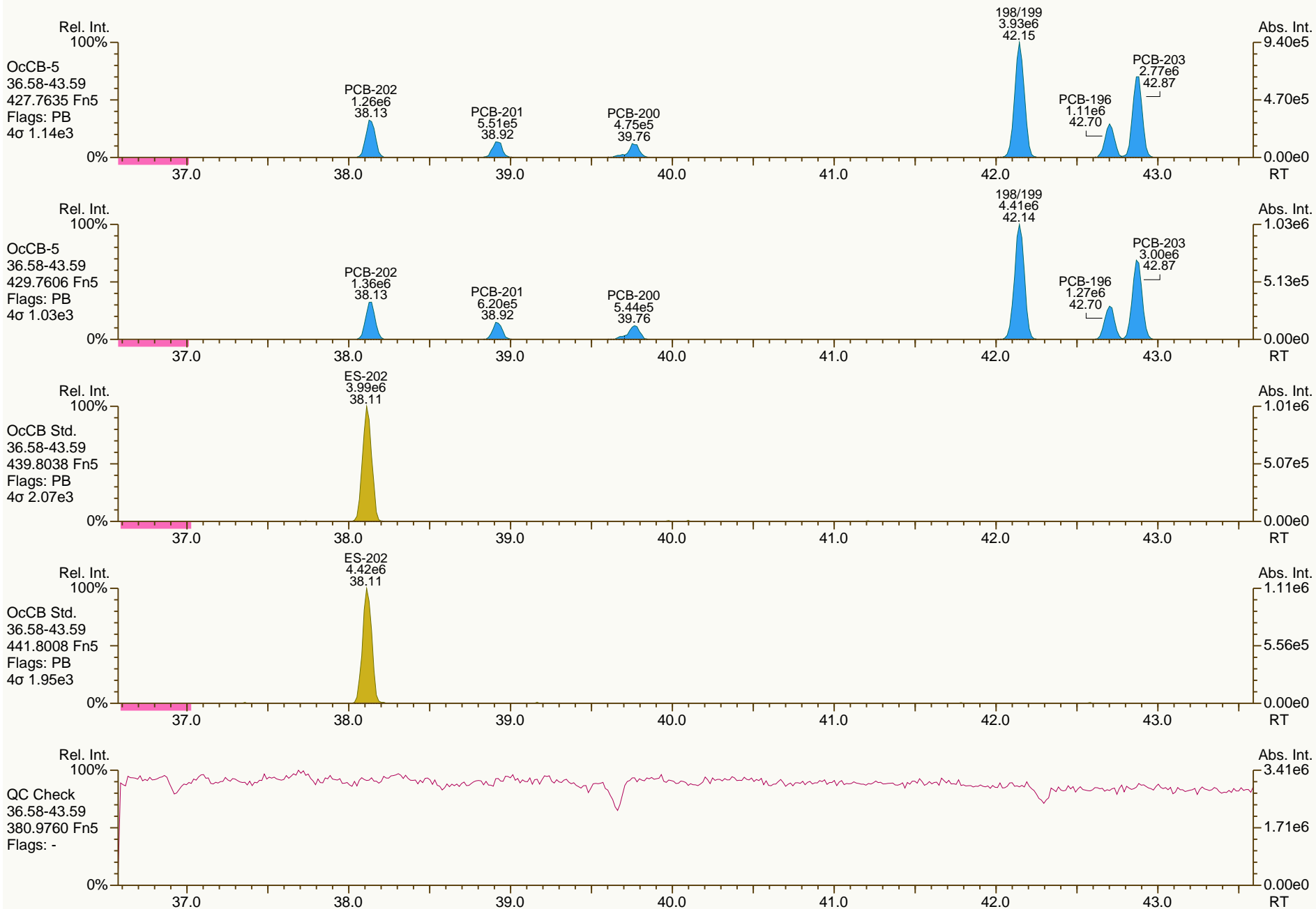
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AP Lab ID: A4373_9894_PCB_005
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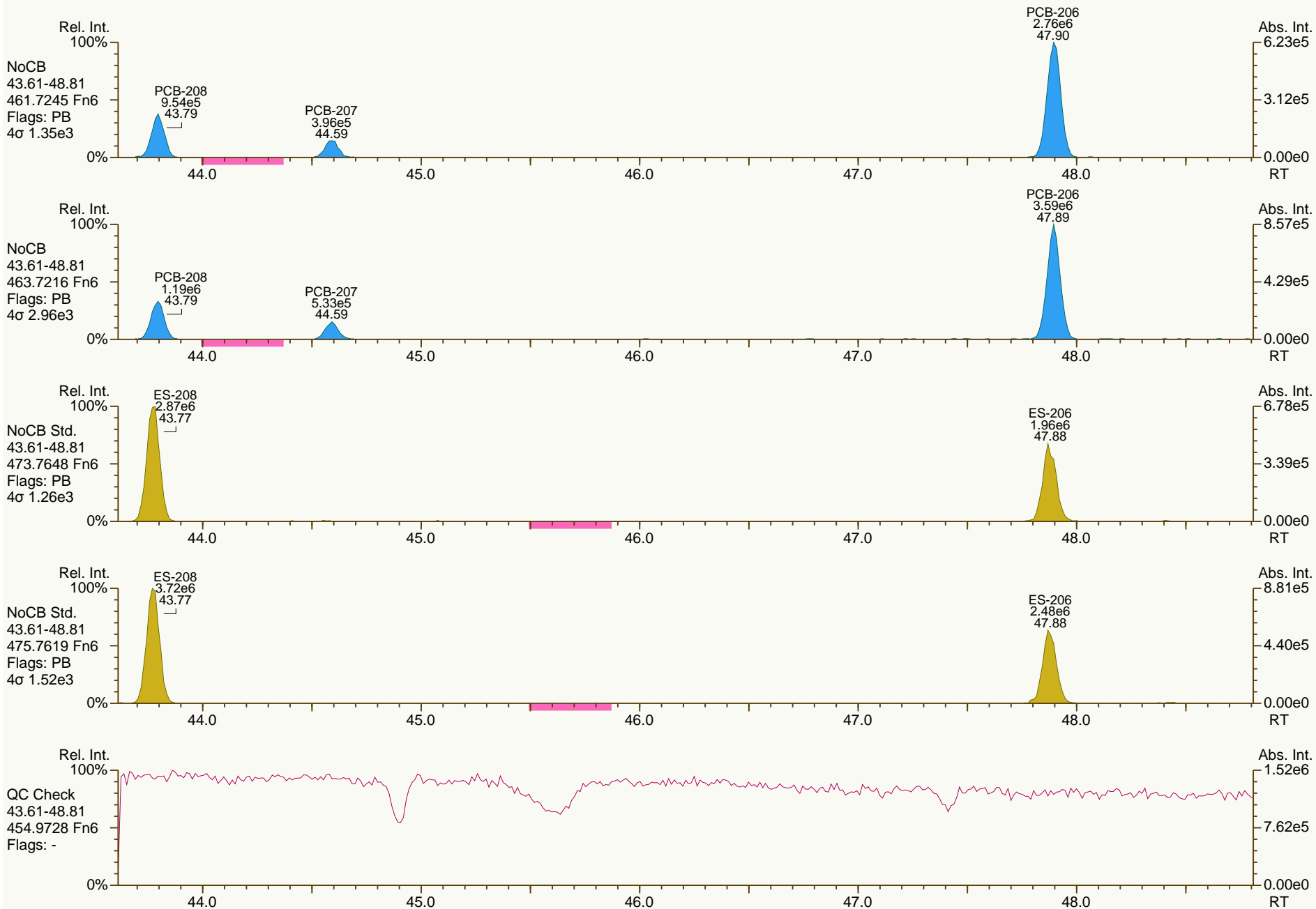
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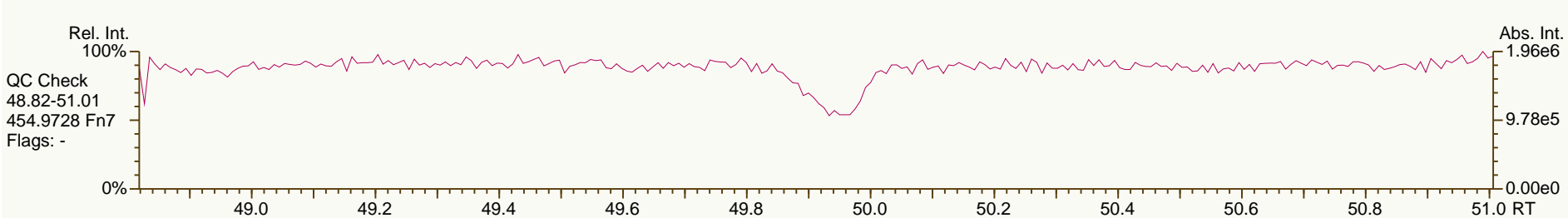
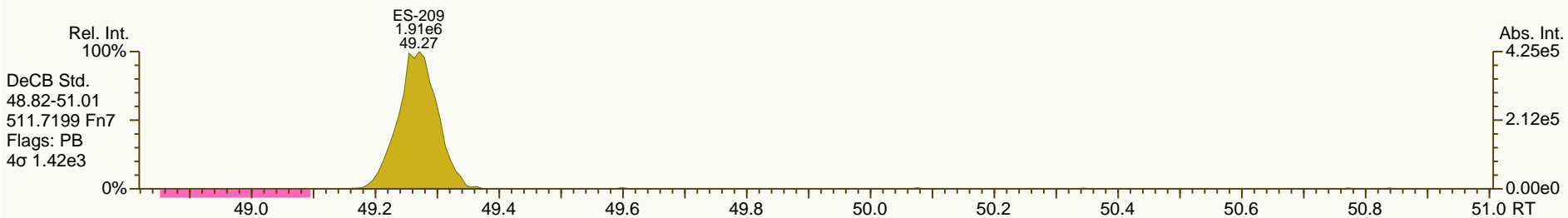
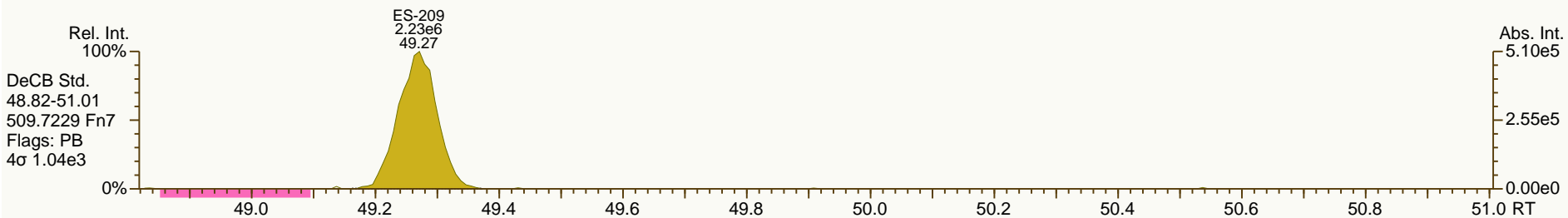
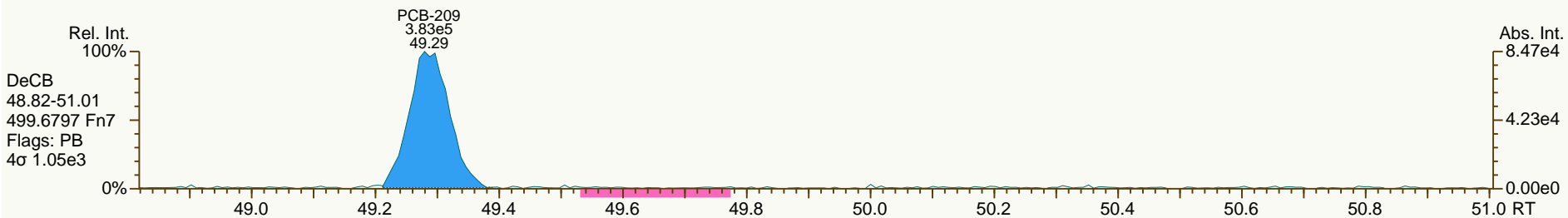
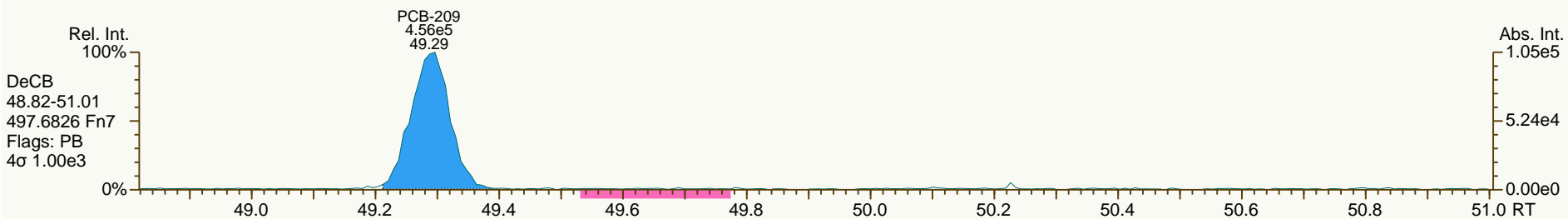
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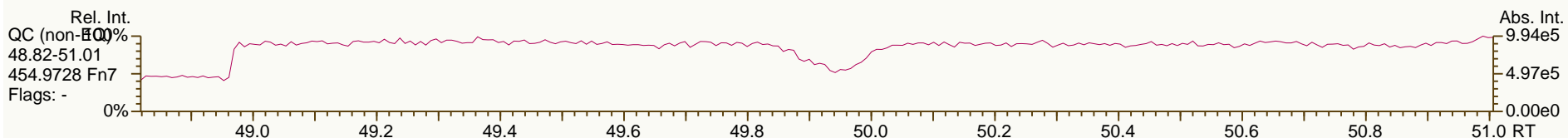
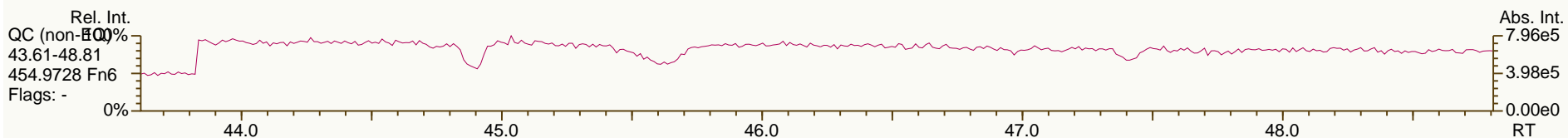
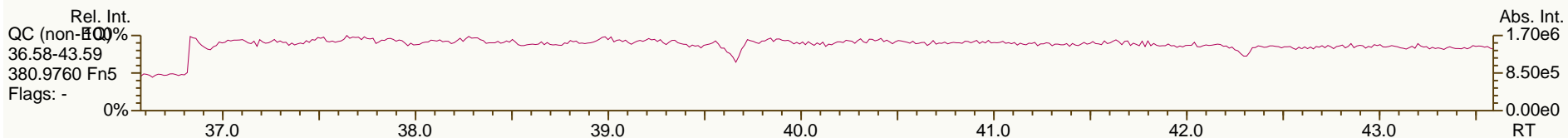
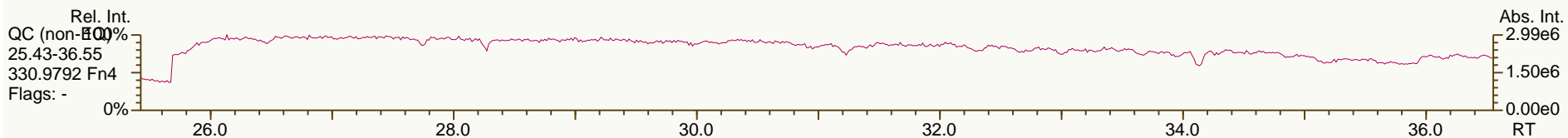
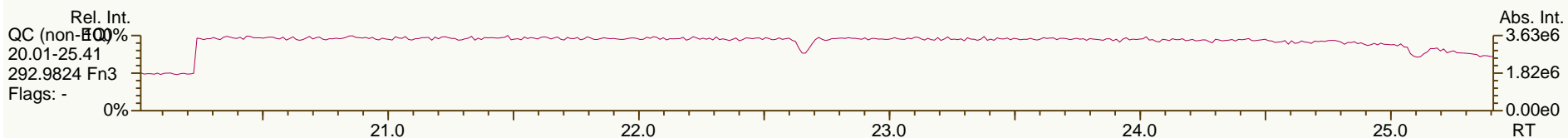
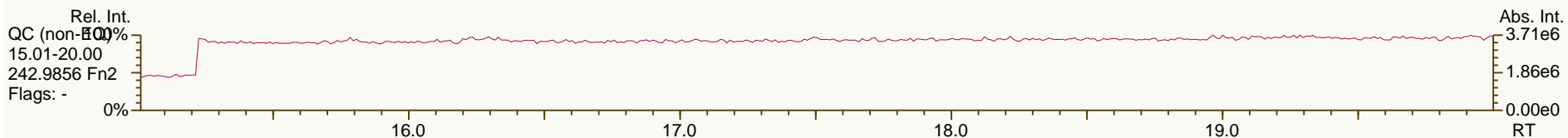
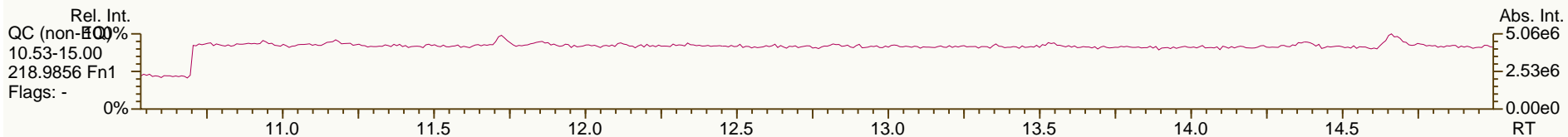
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AP Lab ID: A4373_9894_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS40-120507
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Acq: 04-Jul-2012 02:24:07
 User: CEM Datafile: 120703V25



Lab ID: A4373_9894_PCB_006
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 UTP: 04-Jul-2012 13:23 CEM
 RPT: 04-Jul-2012 15:55 CM

Wt/Vol: 6.03 g
 J-level: 1.66 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

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 Checkcode: 868-230-FVL
 Method 1668B

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PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	1.13E+07	0.77	1.11	83.7	2.07E+04	1.58
PCB-81 344'5'-TeCB	30.74		1.0005	1.0009	+0.7	3.43E+05	0.89	1.13	2.51	2.07E+04	1.47
PCB-105 233'44'-PeCB	34.18		1.0007	1.0007	0	6.06E+07	0.63	1.05	930	5.63E+03	0.88
PCB-114 2344'5'-PeCB	33.64		1.0007	1.0007	0	4.33E+06	0.63	1.15	45.9	5.63E+03	0.624
PCB-118 23'44'5'-PeCB	33.20		1.0008	1.0007	-0.2	2.18E+08	0.63	1.04	2,450	5.63E+03	0.665
PCB-123 23'44'5'-PeCB	32.91		1.0006	1.0006	0	3.26E+06	0.63	1.01	40	5.63E+03	0.684
PCB-126 33'44'5'-PeCB	36.79		1.0005	1.0004	-0.2	5.45E+05	0.62	1.06	5.29	6.12E+03	0.629
PCB-156/157 ...-HxCB	39.34	C	1.0005	1.0002	-0.7	2.90E+07	1.27	1.16	345	4.96E+03	0.802
PCB-167 23'44'55'-HxCB	38.38		1.0006	1.0005	-0.2	8.69E+06	1.26	1.24	93.8	4.96E+03	0.56
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	4.96E+03	1.35
PCB-189 233'44'55'-HpCB	44.25		1.0004	1.0004	0	1.37E+06	1.04	1.05	14.4	3.42E+03	0.388
PCB-209 DeCB	49.33		1.0004	1.0004	0	1.86E+06	1.20	1.09	54.9	2.03E+03	0.682
ES PCB-1	10.93		0.7216	0.7213	-0.2	3.58E+07	3.32	1.02	49.6 %	4%	100%
ES PCB-3	13.05		0.8614	0.8611	-0.2	3.78E+07	3.34	1.02	52.3 %	11%	106%
ES PCB-4	13.28		0.8767	0.8764	-0.2	2.53E+07	1.62	0.68	52.6 %	14%	107%
ES PCB-15	18.73		1.2346	1.2357	+1.2	6.82E+07	1.67	1.06	91 %	19%	107%
ES PCB-19	16.20		1.0683	1.0684	+0.1	2.65E+07	1.08	0.49	75.9 %	1%	108%
ES PCB-37	24.91		1.0817	1.0824	+1.0	4.44E+07	1.13	1.51	80.4 %	25%	123%
ES PCB-54	18.99		0.8258	0.8252	-0.7	3.27E+07	0.76	1.37	65.1 %	13%	105%
ES PCB-77	31.19		1.3528	1.3549	+3.9	4.04E+07	0.83	1.17	94.2 %	31%	109%
ES PCB-81	30.72		1.3325	1.3345	+3.7	4.01E+07	0.83	1.13	96.7 %	14%	127%
ES PCB-104	23.86		0.8252	0.8240	-1.7	3.29E+07	1.48	1.90	62.1 %	36%	115%
ES PCB-105	34.15		1.1796	1.1796	0	2.05E+07	1.59	1.15	64.1 %	50%	111%
ES PCB-114	33.62		1.1611	1.1613	+0.4	2.71E+07	1.58	1.22	80 %	41%	121%
ES PCB-118	33.17		1.1454	1.1458	+0.8	2.84E+07	1.55	1.24	81.9 %	49%	111%
ES PCB-123	32.89		1.1358	1.1360	+0.4	2.68E+07	1.52	1.29	74.7 %	49%	116%
ES PCB-126	36.78		1.2698	1.2704	+1.3	3.24E+07	1.67	1.40	83.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.78		0.8040	0.8037	-0.5	3.43E+07	1.25	1.45	103 %	25%	124%
ES PCB-156/157	39.33		1.0982	1.0984	+0.5	4.80E+07	1.27	0.94	110 %	40%	120%
ES PCB-167	38.36		1.0711	1.0713	+0.5	2.47E+07	1.27	0.93	115 %	45%	118%
ES PCB-169	42.08		1.1746	1.1751	+1.3	1.08E+07	1.32	0.88	53.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.62		0.7312	0.7305	-1.4	2.72E+07	1.05	1.52	77.7 %	23%	125%
ES PCB-189	44.23		0.9611	0.9611	0	3.00E+07	1.08	2.05	109 %	47%	116%
ES PCB-202	38.16		0.8297	0.8291	-1.4	2.40E+07	0.89	1.21	85.9 %	31%	134%
ES PCB-205	46.43		1.0088	1.0089	+0.3	1.49E+07	0.91	1.28	85.8 %	46%	115%
ES PCB-206	47.94		1.0412	1.0416	+1.2	1.19E+07	0.78	1.12	78.6 %	38%	122%
ES PCB-208	43.82		0.9525	0.9521	-1.1	1.93E+07	0.78	1.46	97.8 %	31%	126%
ES PCB-209	49.31		1.0713	1.0715	+0.6	1.03E+07	1.18	1.16	66 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9307	-0.4	5.70E+07	1.12	1.09	118 %	14%	131%
CS/SS PCB-111	31.24	V	1.0789	1.0789	0	3.14E+07	1.55	0.93	125 %	57%	112%
CS/SS PCB-178	36.19		1.0108	1.0108	0	1.98E+07	1.08	0.63	116 %	57%	125%
CS PCB-28	21.42		0.9310	0.9307	-0.4	5.70E+07	1.12	1.64	94.8 %	14%	131%
CS PCB-111	31.24		1.0789	1.0789	0	3.14E+07	1.55	1.20	93.8 %	57%	112%
CS PCB-178	36.19		1.0108	1.0108	0	1.98E+07	1.08	0.95	90.3 %	57%	125%
JS PCB-9	15.16					7.06E+07	1.62				
JS PCB-52	23.02					3.66E+07	0.78				
JS PCB-101	28.95					2.79E+07	1.51				
JS PCB-138	35.81					2.31E+07	1.25				
JS PCB-194	46.02					1.35E+07	0.90				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			79.4		79.4		0.645	
			Di-CBs			502		502		1.31	
			Tri-CBs			2,210		2,210		0.69	
			Tetra-CBs			8,470		8,470		0.886	
			Penta-CBs			15,800		15,800		0.611	
			Hexa-CBs			10,100		10,100		0.717	
			Hepta-CBs			2,190		2,190		0.328	
			Octa-CBs			1,060		1,060		0.477	
			Nona-CBs			370		370		1.07	
PCB-1 2-MoCB	10.94		1.0011	1.0011	0	3.32E+06	3.10	1.00	30.8	1.14E+04	0.58
PCB-2 3-MoCB	12.89		0.9879	0.9879	0	2.18E+06	2.88	1.31	14.6	1.14E+04	0.521
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	3.72E+06	3.17	0.96	34	1.14E+04	0.709
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	2.05E+06	1.53	0.82	32.5	1.68E+04	1.84
PCB-10 26'-DiCB	13.47		1.0138	1.0138	0	1.90E+05	1.53	1.47	1.68	1.68E+04	1.03
PCB-9 25'-DiCB	15.17		1.0010	1.0011	+0.1	8.45E+05	1.72	0.95	4.32	1.79E+04	0.794
PCB-7 24'-DiCB	15.33		1.0113	1.0113	0	7.24E+05	1.44	1.10	3.2	1.79E+04	0.686
PCB-6 23'-DiCB	15.54		1.0252	1.0253	+0.1	3.35E+06	1.53	1.03	15.8	1.79E+04	0.735
PCB-5 23'-DiCB	15.83		1.0440	1.0441	+0.1	3.72E+05	1.43	1.04	1.74	1.79E+04	0.727
PCB-8 24'-DiCB	15.94		1.0517	1.0518	+0.1	1.83E+07	1.55	1.04	85.5	1.79E+04	0.725
PCB-14 35'-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.79E+04	0.608
PCB-11 33'-DiCB	18.19		0.9713	0.9710	-0.3	5.32E+07	1.56	1.06	243	1.79E+04	0.711
PCB-13/12 34'/34'-DiCB	18.46	C	0.9861	0.9854	-0.8	2.94E+06	1.54	1.07	13.3	1.79E+04	0.703
PCB-15 44'-DiCB	18.75		1.0008	1.0008	0	1.96E+07	1.53	0.95	100	1.79E+04	0.792
PCB-19 22'6-TrCB	16.21		1.0011	1.0011	0	1.14E+06	1.03	0.92	15.5	6.97E+03	0.735
PCB-30/18 246/22'5-TrCB	17.92	C	1.1054	1.1062	+0.9	2.09E+07	1.04	1.27	207	6.97E+03	0.533
PCB-17 22'4-TrCB	18.30		1.1291	1.1297	+0.7	8.13E+06	1.04	1.07	95.1	6.97E+03	0.632
PCB-27 23'6-TrCB	18.48		1.1406	1.1412	+0.7	2.08E+06	1.04	1.46	17.7	6.97E+03	0.462
PCB-24 236-TrCB	18.60	EMPC	1.1484	1.1485	+0.1	2.10E+05	0.80	1.41	1.87	6.97E+03	0.481
PCB-16 22'3-TrCB	18.70		1.1537	1.1544	+0.8	6.07E+06	1.05	0.82	93.1	6.97E+03	0.829

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.17		1.1827	1.1834	+0.8	8.31E+06	1.02	1.52	68.3	6.97E+03	0.444
PCB-34 23'5'-TrCB	20.29		0.8155	0.8145	-1.2	6.34E+05	0.99	1.39	3.4	9.41E+03	0.497
PCB-23 235-TrCB	20.44	EMPC	0.8213	0.8205	-1.0	7.87E+04	1.51	1.44	0.408	9.41E+03	0.481
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8305	-2.4	1.43E+07	1.08	1.43	74.3	9.41E+03	0.483
PCB-25 23'4-TrCB	20.90		0.8401	0.8390	-1.4	6.67E+06	1.08	1.44	34.5	9.41E+03	0.48
PCB-31 24'5-TrCB	21.18		0.8509	0.8500	-1.1	8.94E+07	1.05	1.47	453	9.41E+03	0.47
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8606	-1.5	1.06E+08	1.06	1.42	557	9.41E+03	0.488
PCB-21/33 234/23'4'-TrCB	21.65	C	0.8687	0.8688	+0.1	4.04E+07	1.07	1.44	209	9.41E+03	0.481
PCB-22 234'-TrCB	21.99		0.8834	0.8826	-1.1	2.99E+07	1.05	1.33	167	9.41E+03	0.52
PCB-36 33'5-TrCB	23.36		0.9382	0.9378	-0.6	8.33E+05	1.09	1.49	4.18	9.41E+03	0.466
PCB-39 34'5-TrCB	23.70		0.9506	0.9514	+1.1	8.19E+05	1.04	1.54	3.97	9.41E+03	0.45
PCB-38 345-TrCB	24.20	J	0.9711	0.9712	+0.1	1.53E+05	1.11	1.38	0.831	9.41E+03	0.503
PCB-35 33'4-TrCB	24.58		0.9866	0.9865	-0.1	2.71E+06	1.05	1.36	14.9	9.41E+03	0.509
PCB-37 344'-TrCB	24.93		1.0008	1.0008	0	2.70E+07	1.07	1.07	188	9.41E+03	0.645
PCB-54 22'66'-TeCB	19.01	J	1.0010	1.0011	+0.1	5.93E+04	0.68	1.04	0.578	3.58E+03	0.307
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9090	-2.0	5.66E+06	0.75	0.60	77.8	3.95E+03	0.529
PCB-45 22'36-TeCB	21.52		0.9351	0.9348	-0.4	4.36E+06	0.77	0.53	68	3.95E+03	0.6
PCB-51 22'46'-TeCB	21.60		0.9384	0.9382	-0.3	1.24E+06	0.79	0.59	17.5	3.95E+03	0.539
PCB-46 22'36'-TeCB	21.78		0.9469	0.9464	-0.7	1.65E+06	0.77	0.49	27.6	3.95E+03	0.643
PCB-52 22'55'-TeCB	23.04		1.0010	1.0011	+0.1	1.33E+08	0.77	0.59	1,850	3.95E+03	0.536
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.95E+03	0.415
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	3.95E+03	0.599
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	5.09E+07	0.77	0.72	582	3.95E+03	0.439
PCB-48 22'45-TeCB	23.72		1.0304	1.0306	+0.3	8.71E+06	0.77	0.60	121	3.95E+03	0.532
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0387	-1.3	7.43E+07	0.77	0.64	961	3.95E+03	0.497
PCB-59/62/75 ...-TeCB	24.20	C	1.0514	1.0515	+0.1	5.36E+06	0.77	0.81	54.7	3.95E+03	0.393
PCB-42 22'34'-TeCB	24.37		1.0582	1.0586	+0.6	1.31E+07	0.76	0.55	198	3.95E+03	0.582
PCB-41 22'34-TeCB	24.69		1.0722	1.0726	+0.6	3.04E+06	0.76	0.51	49.1	3.95E+03	0.621
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0771	+1.0	3.15E+07	0.77	0.60	431	3.95E+03	0.527
PCB-64 234'6-TeCB	24.99		1.0850	1.0858	+1.2	3.48E+07	0.77	0.86	333	3.95E+03	0.369
PCB-72 23'55'-TeCB	25.76		0.8379	0.8385	+0.9	1.98E+06	0.79	1.24	13.2	2.07E+04	1.34
PCB-68 23'45'-TeCB	26.02		0.8461	0.8472	+1.7	1.08E+06	0.75	1.31	6.79	2.07E+04	1.27
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	2.07E+04	1.41
PCB-58 233'5'-TeCB	26.53		0.8642	0.8637	-0.8	4.42E+06	0.76	1.21	30.2	2.07E+04	1.37
PCB-67 23'45-TeCB	26.65		0.8692	0.8676	-2.6	4.43E+05	0.81	1.26	2.91	2.07E+04	1.32
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	2.07E+04	1.3
PCB-61/70/74/76 ...-TeCB	27.25	C	0.8856	0.8873	+2.8	2.24E+08	0.78	1.21	1,530	2.07E+04	1.38
PCB-66 23'44'-TeCB	27.45		0.8947	0.8937	-1.6	1.96E+08	0.77	1.12	1,440	2.07E+04	1.48
PCB-55 233'4-TeCB	27.66		0.8992	0.9003	+1.8	1.34E+06	0.72	1.18	9.37	2.07E+04	1.41
PCB-56 233'4'-TeCB	28.07		0.9132	0.9137	+0.8	5.03E+07	0.77	1.12	372	2.07E+04	1.49
PCB-60 2344'-TeCB	28.25		0.9193	0.9197	+0.7	2.55E+07	0.78	1.17	180	2.07E+04	1.42
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	2.07E+04	1.26
PCB-79 33'45'-TeCB	29.89		0.9730	0.9730	0	3.31E+06	0.80	1.34	20.4	2.07E+04	1.24
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.07E+04	1.54
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.96E+03	0.183
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	8.09E+05	0.63	0.97	8.39	1.96E+03	0.192
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8953	+1.1	8.11E+05	0.62	0.87	11.5	5.63E+03	0.792
PCB-94 22'356'-PeCB	26.11		0.9008	0.9019	+1.7	3.77E+05	0.64	0.76	6.17	5.63E+03	0.914

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.53		0.9137	0.9164	+4.3	6.83E+07	0.63	0.80	1,050	5.63E+03	0.859
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	5.63E+03	0.855
PCB-102 22'456'-PeCB	26.76		0.9247	0.9244	-0.5	6.66E+05	0.65	0.91	9.1	5.63E+03	0.762
PCB-98 22'34'6'-PeCB	26.88		0.9270	0.9284	+2.3	3.69E+06	0.63	0.76	60.5	5.63E+03	0.914
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	5.63E+03	0.923
PCB-91 22'34'6-PeCB	27.25		0.9394	0.9413	+3.1	1.85E+07	0.63	0.87	262	5.63E+03	0.792
PCB-84 22'33'6-PeCB	27.42		0.9457	0.9471	+2.3	3.27E+07	0.62	0.70	578	5.63E+03	0.987
PCB-89 22'346'-PeCB	27.81		0.9599	0.9607	+1.3	1.06E+06	0.64	0.73	18.1	5.63E+03	0.949
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	5.63E+03	0.626
PCB-92 22'355'-PeCB	28.48		0.9834	0.9836	+0.3	3.09E+07	0.63	0.77	499	5.63E+03	0.902
PCB-113/90/101 ...-PeCB	28.97	C	0.9998	1.0008	+1.7	1.89E+08	0.63	0.91	2,570	5.63E+03	0.76
PCB-83 22'33'5-PeCB	29.36		1.0145	1.0142	-0.5	7.22E+06	0.62	0.68	132	5.63E+03	1.02
PCB-99 22'44'5-PeCB	29.47		1.0180	1.0179	-0.2	8.60E+07	0.63	0.82	1,290	5.63E+03	0.839
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	5.63E+03	0.644
PCB-108/119/86/97/125...-PeCB	29.93	C	1.0330	1.0338	+1.4	1.25E+08	0.63	0.90	1,720	5.63E+03	0.767
PCB-117 234'56-PeCB	30.43		1.0513	1.0512	-0.2	5.50E+06	0.62	0.99	68.9	5.63E+03	0.698
PCB-116/85 23456/22'344'-PeCB	30.50	C	1.0541	1.0536	-0.9	2.82E+07	0.63	0.92	379	5.63E+03	0.75
PCB-110 233'4'6-PeCB	30.64		1.0584	1.0582	-0.4	2.43E+08	0.63	0.98	3,060	5.63E+03	0.704
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	5.63E+03	0.66
PCB-82 22'33'4-PeCB	30.90		1.0677	1.0674	-0.6	1.50E+07	0.63	0.64	289	5.63E+03	1.08
PCB-111 233'55'-PeCB	31.26		1.0796	1.0798	+0.4	1.43E+05	0.64	1.03	1.72	5.63E+03	0.673
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	5.63E+03	0.63
PCB-107/124 ...-PeCB	32.61	C	0.9913	0.9914	+0.2	7.77E+06	0.63	0.95	101	5.63E+03	0.724
PCB-109 233'46-PeCB	32.81		0.9975	0.9977	+0.4	1.54E+07	0.62	1.05	181	5.63E+03	0.657
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	5.63E+03	0.761
PCB-122 233'4'5'-PeCB	33.47		1.0092	1.0090	-0.4	1.97E+06	0.63	1.01	23.8	5.63E+03	0.712
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	5.63E+03	0.996
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.75E+03	0.154
PCB-152 22'3566'-HxCB	28.94		1.0057	1.0056	-0.2	2.11E+05	1.09	1.03	1.97	1.75E+03	0.154
PCB-150 22'34'66'-HxCB	29.09		1.0109	1.0107	-0.3	2.27E+05	1.18	1.01	2.19	1.75E+03	0.158
PCB-136 22'33'66'-HxCB	29.38		1.0209	1.0208	-0.2	2.16E+07	1.26	0.96	219	1.75E+03	0.166
PCB-145 22'3466'-HxCB	29.65	J	1.0303	1.0302	-0.2	8.41E+04	1.22	0.97	0.838	1.75E+03	0.164
PCB-148 22'34'56'-HxCB	30.94		1.0750	1.0749	-0.2	1.62E+05	1.35	0.73	2.15	1.75E+03	0.217
PCB-151/135 ...-HxCB	31.44	C	1.0926	1.0924	-0.4	3.94E+07	1.24	0.71	540	1.75E+03	0.225
PCB-154 22'44'56'-HxCB	31.66		1.1001	1.1000	-0.2	1.71E+06	1.19	0.81	20.3	1.75E+03	0.195
PCB-144 22'345'6-HxCB	31.91		1.1089	1.1088	-0.2	6.08E+06	1.29	0.72	82	1.75E+03	0.221
PCB-147/149 ...-HxCB	32.21	C	1.1193	1.1191	-0.4	1.09E+08	1.25	0.74	1,430	1.75E+03	0.216
PCB-134 22'33'56-HxCB	32.38		1.1251	1.1250	-0.2	7.74E+06	1.28	0.63	120	1.75E+03	0.254
PCB-143 22'3456'-HxCB	32.47		1.1279	1.1281	+0.4	4.83E+05	1.27	0.67	6.95	1.75E+03	0.237
PCB-139/140 ...-HxCB	32.72	C	1.1372	1.1370	-0.4	3.62E+06	1.26	0.70	50	1.75E+03	0.227
PCB-131 22'33'46-HxCB	32.89		1.1428	1.1428	0	2.28E+06	1.21	0.62	35.7	1.75E+03	0.257
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.75E+03	0.257
PCB-132 22'33'46'-HxCB	33.27		1.1559	1.1560	+0.2	4.97E+07	1.25	0.63	764	1.75E+03	0.253
PCB-133 22'33'55'-HxCB	33.71		1.1710	1.1713	+0.6	2.19E+06	1.23	0.68	31.4	1.75E+03	0.235
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.75E+03	0.194
PCB-146 22'34'55'-HxCB	34.26		0.9569	0.9568	-0.2	2.24E+07	1.25	0.72	301	1.75E+03	0.221
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.75E+03	0.174
PCB-153/168 ...-HxCB	34.78	C	0.9720	0.9714	-1.3	1.53E+08	1.25	0.85	1,750	1.75E+03	0.188

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.94		0.9758	0.9758	0	2.34E+07	1.25	0.68	333	1.75E+03	0.234
PCB-130 22'33'45'-HxCB	35.28		0.9853	0.9853	0	1.12E+07	1.24	0.60	181	1.75E+03	0.265
PCB-137 22'344'5'-HxCB	35.48		0.9908	0.9908	0	1.11E+07	1.24	0.64	169	1.75E+03	0.25
PCB-164 233'4'5'6'-HxCB	35.56		0.9931	0.9932	+0.2	1.36E+07	1.23	0.91	145	1.75E+03	0.175
PCB-163/138/129 ...-HxCB	35.83	C	1.0011	1.0007	-0.9	1.99E+08	1.25	0.71	2,720	1.75E+03	0.225
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.75E+03	0.19
PCB-158 233'44'6'-HxCB	36.17		1.0101	1.0100	-0.2	2.64E+07	1.26	0.89	288	1.75E+03	0.179
PCB-128/166 ...-HxCB	36.89	C	0.9619	0.9617	-0.4	3.36E+07	1.26	0.93	486	4.96E+03	0.751
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	4.96E+03	0.605
PCB-162 233'4'55'-HxCB	37.98		0.9900	0.9899	-0.2	7.18E+05	1.20	1.08	8.93	4.96E+03	0.645
PCB-188 22'34'566'-HpCB	33.65	J	1.0006	1.0009	+0.6	4.89E+04	0.93	0.94	0.631	1.42E+03	0.182
PCB-179 22'33'566'-HpCB	33.91		1.0086	1.0086	0	8.44E+06	1.03	0.93	111	1.42E+03	0.186
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.42E+03	0.179
PCB-176 22'33'466'-HpCB	34.66		1.0309	1.0311	+0.4	2.56E+06	1.02	1.04	29.9	1.42E+03	0.165
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.42E+03	0.174
PCB-178 22'33'55'6'-HpCB	36.21		1.0769	1.0772	+0.7	3.39E+06	1.02	0.72	57.4	1.42E+03	0.239
PCB-175 22'33'45'6'-HpCB	36.76		1.0929	1.0934	+1.1	7.59E+05	1.06	0.74	12.6	2.22E+03	0.364
PCB-187 22'34'55'6'-HpCB	36.99		1.0998	1.1002	+0.9	1.89E+07	1.04	0.80	289	2.22E+03	0.337
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.22E+03	0.329
PCB-183 22'344'5'6'-HpCB	37.51		1.1152	1.1157	+1.1	1.16E+07	1.05	0.82	173	2.22E+03	0.329
PCB-185 22'3455'6'-HpCB	37.59		1.1174	1.1181	+1.6	1.12E+06	1.07	0.78	17.7	2.22E+03	0.346
PCB-174 22'33'456'-HpCB	37.69		1.1207	1.1211	+0.9	1.54E+07	1.03	0.72	259	2.22E+03	0.37
PCB-177 22'33'45'6'-HpCB	38.06		1.1319	1.1322	+0.7	9.50E+06	1.06	0.62	187	2.22E+03	0.433
PCB-181 22'344'56'-HpCB	38.41		1.1422	1.1426	+0.9	3.00E+05	1.00	0.78	4.68	2.22E+03	0.343
PCB-171/173 ...-HpCB	38.60	C	1.1474	1.1482	+1.9	5.34E+06	1.00	0.67	97.2	2.22E+03	0.401
PCB-172 22'33'455'-HpCB	39.98		0.9042	0.9038	-1.0	2.80E+06	1.06	0.71	43.9	2.22E+03	0.376
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.22E+03	0.272
PCB-180/193 ...-HpCB	40.53	C	0.9160	0.9164	+1.0	4.21E+07	1.04	0.82	567	2.22E+03	0.323
PCB-191 233'44'5'6'-HpCB	40.83		0.9234	0.9231	-0.7	9.03E+05	0.96	0.99	10.1	2.22E+03	0.269
PCB-170 22'33'44'5'-HpCB	41.59		0.9406	0.9402	-1.0	1.64E+07	1.03	0.67	270	2.22E+03	0.393
PCB-190 233'44'56'-HpCB	42.04		0.9509	0.9505	-1.0	3.82E+06	1.06	0.88	47.8	2.22E+03	0.3
PCB-202 22'33'55'66'-OoCB	38.18		1.0006	1.0006	0	4.67E+06	0.90	0.86	75.3	1.95E+03	0.335
PCB-201 22'33'45'66'-OoCB	38.96		1.0211	1.0211	0	2.15E+06	0.94	1.05	28.2	1.95E+03	0.272
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.95E+03	0.305
PCB-197 22'33'44'66'-OoCB	39.72		1.0412	1.0410	-0.5	1.99E+05	0.99	1.07	2.57	1.95E+03	0.268
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0434	+0.2	1.55E+06	0.85	0.97	22	1.95E+03	0.295
PCB-198/199 ...-OoCB	42.19	C	1.1049	1.1058	+2.3	1.45E+07	0.91	0.62	324	1.95E+03	0.462
PCB-196 22'33'44'56'-OoCB	42.75		1.1201	1.1204	+0.8	4.50E+06	0.91	0.63	99	1.95E+03	0.456
PCB-203 22'344'55'6'-OoCB	42.92		1.1245	1.1249	+1.0	1.03E+07	0.91	0.68	210	1.95E+03	0.425
PCB-195 22'33'44'56'-OoCB	44.04		0.9489	0.9484	-1.3	2.22E+06	0.93	0.87	56.8	3.00E+03	0.852
PCB-194 22'33'44'55'-OoCB	46.04		0.9917	0.9916	-0.3	8.97E+06	0.92	0.84	240	3.00E+03	0.889
PCB-205 233'44'55'6'-OoCB	46.45		1.0004	1.0004	0	3.31E+05	0.94	1.20	6.17	3.00E+03	0.62
PCB-208 22'33'455'66'-NoCB	43.84		1.0005	1.0005	0	3.83E+06	0.78	1.01	65.4	4.03E+03	0.729
PCB-207 22'33'44'566'-NoCB	44.64		1.0186	1.0188	+0.5	1.54E+06	0.79	1.00	26.4	4.03E+03	0.733
PCB-206 22'33'44'55'6'-NoCB	47.95		1.0004	1.0003	-0.3	9.53E+06	0.77	0.95	279	4.03E+03	1.42

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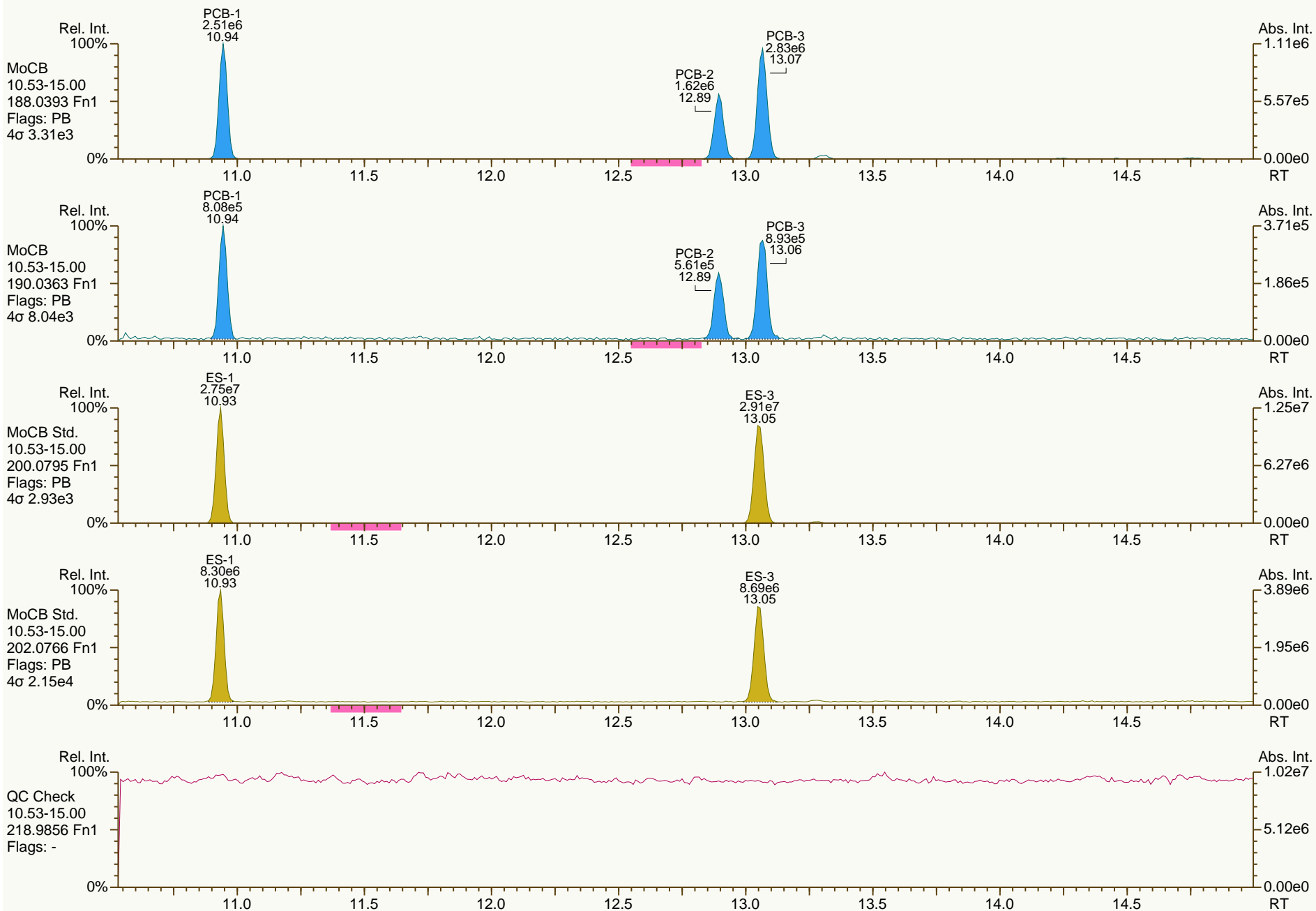
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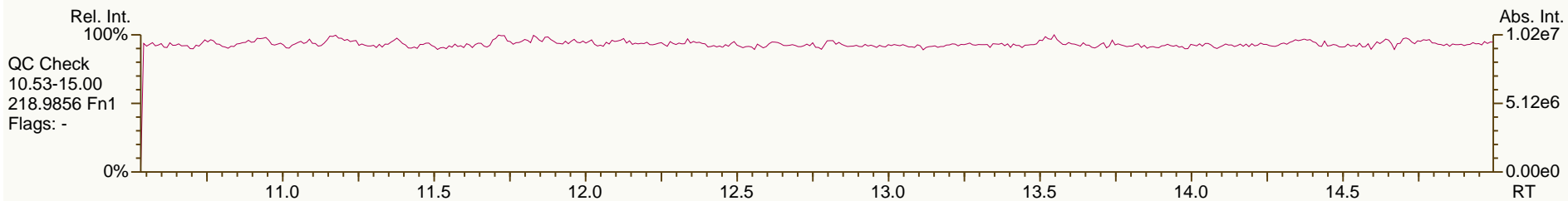
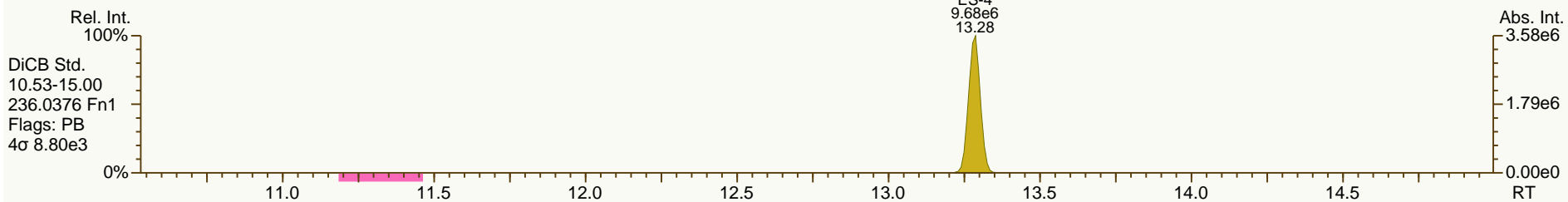
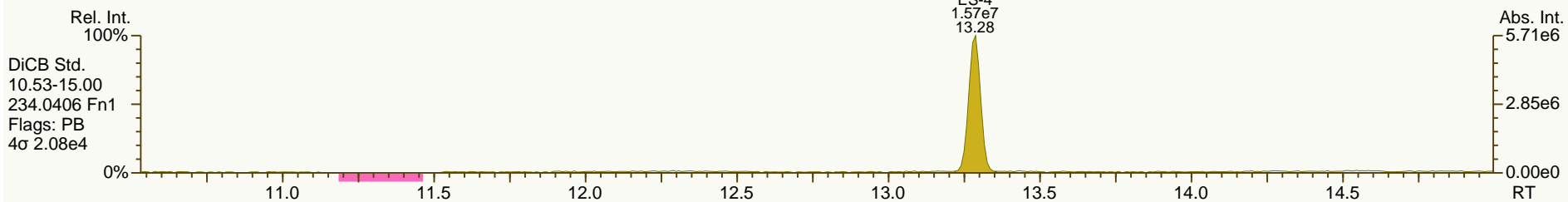
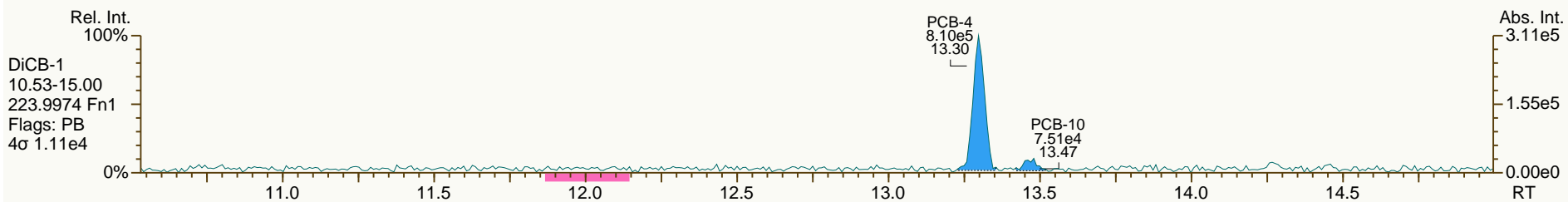
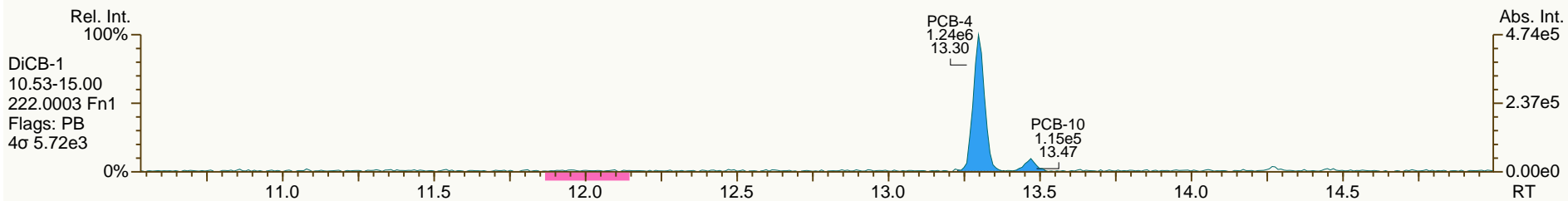
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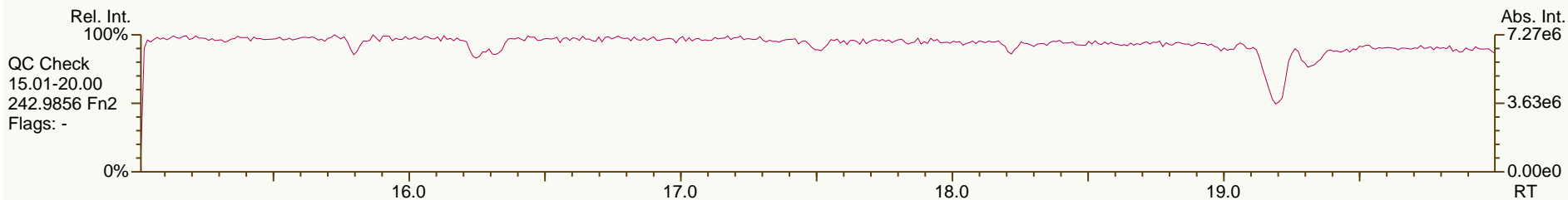
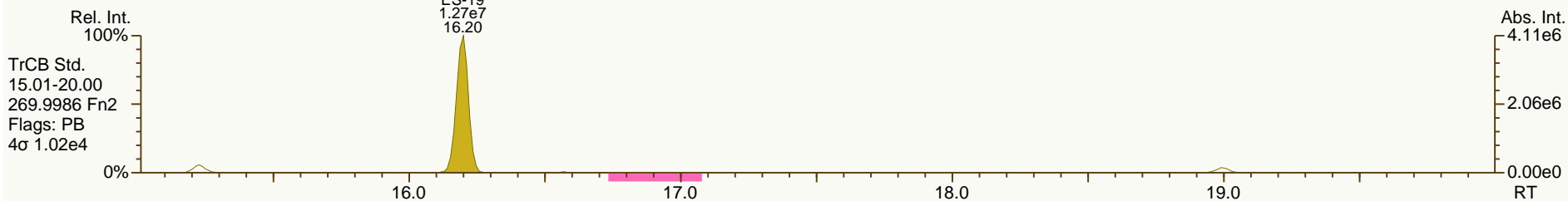
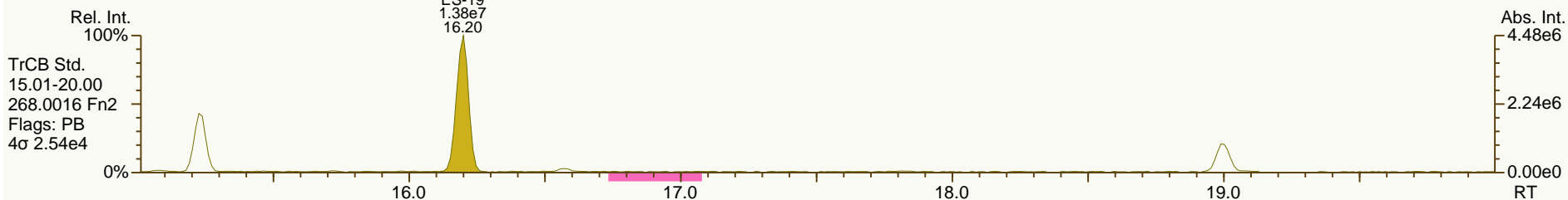
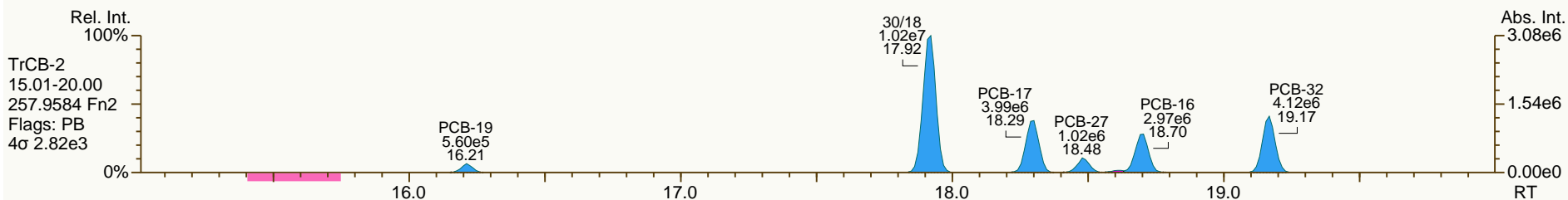
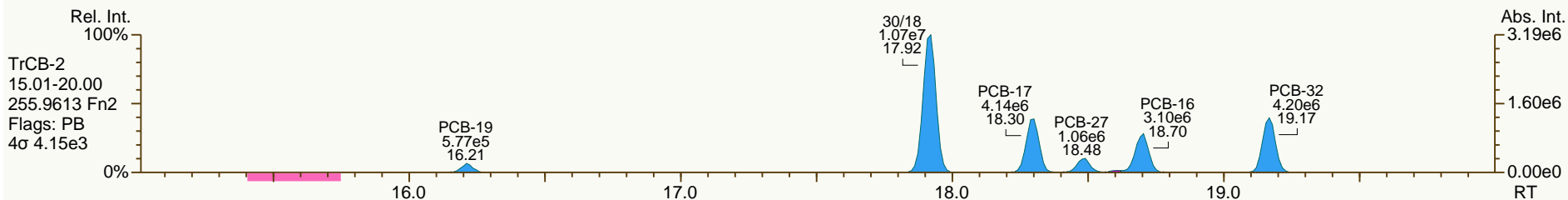
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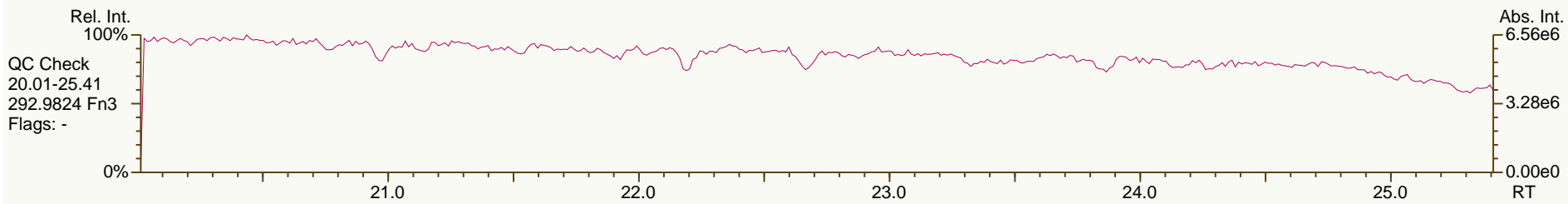
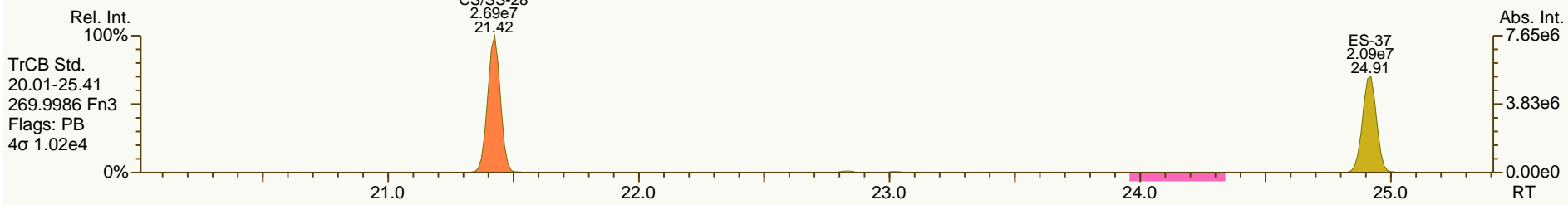
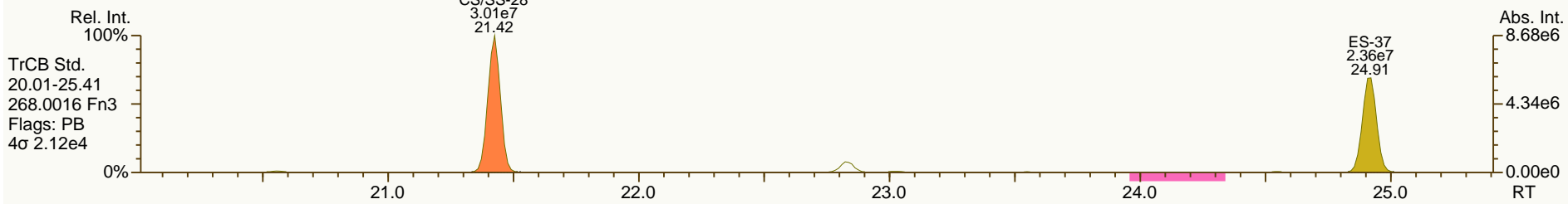
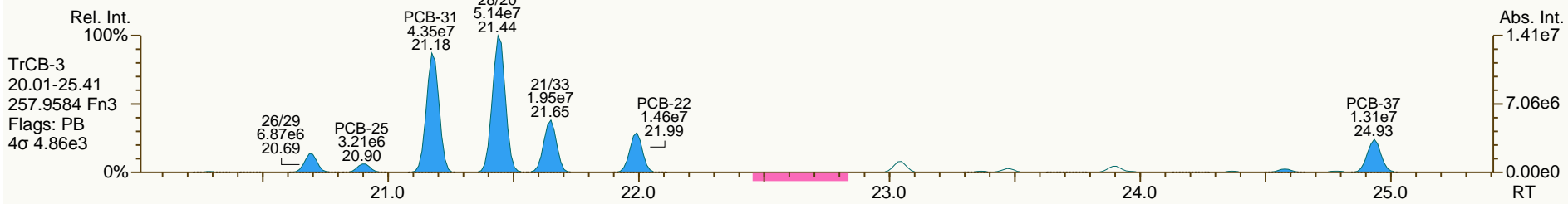
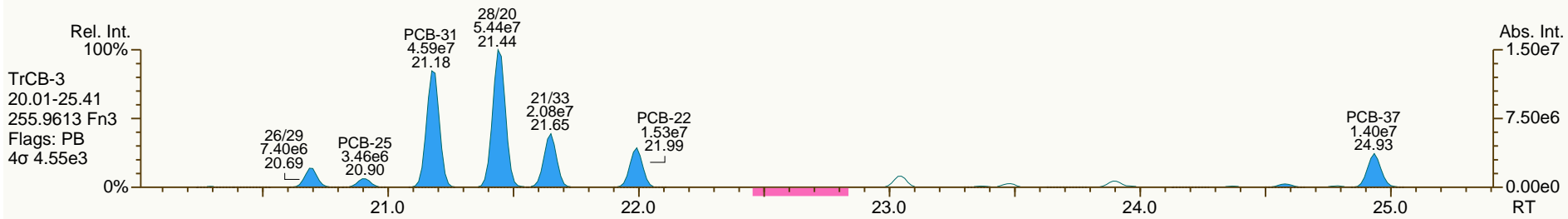
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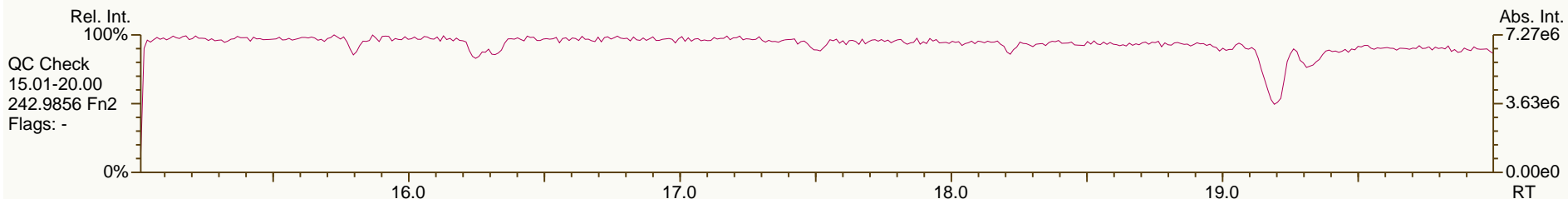
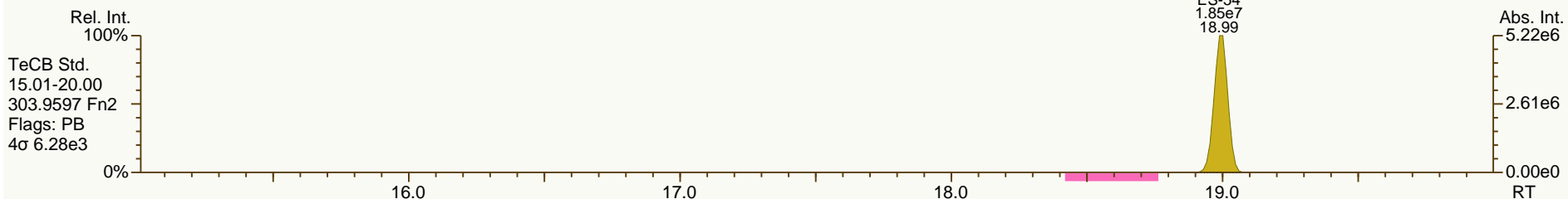
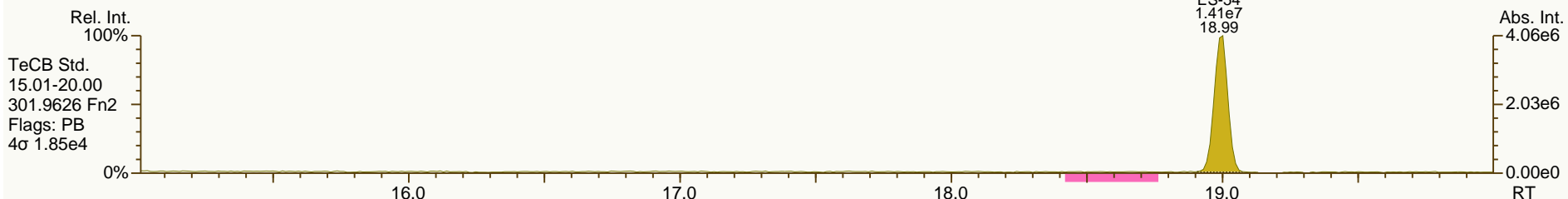
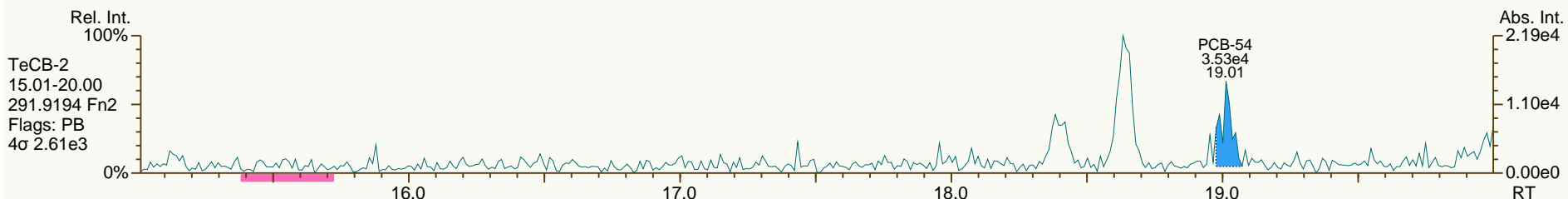
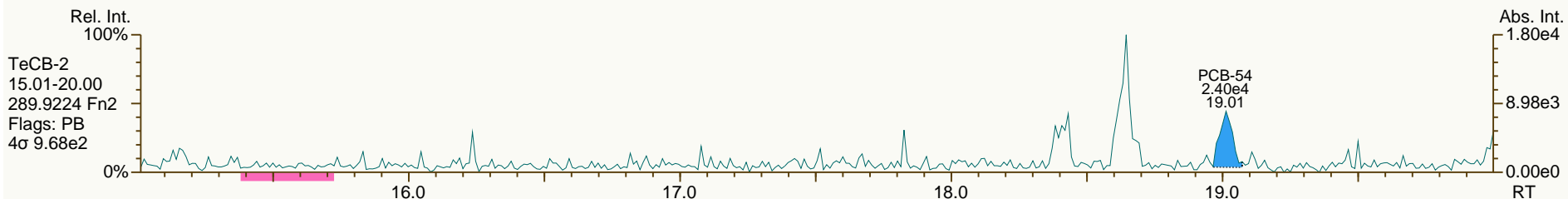
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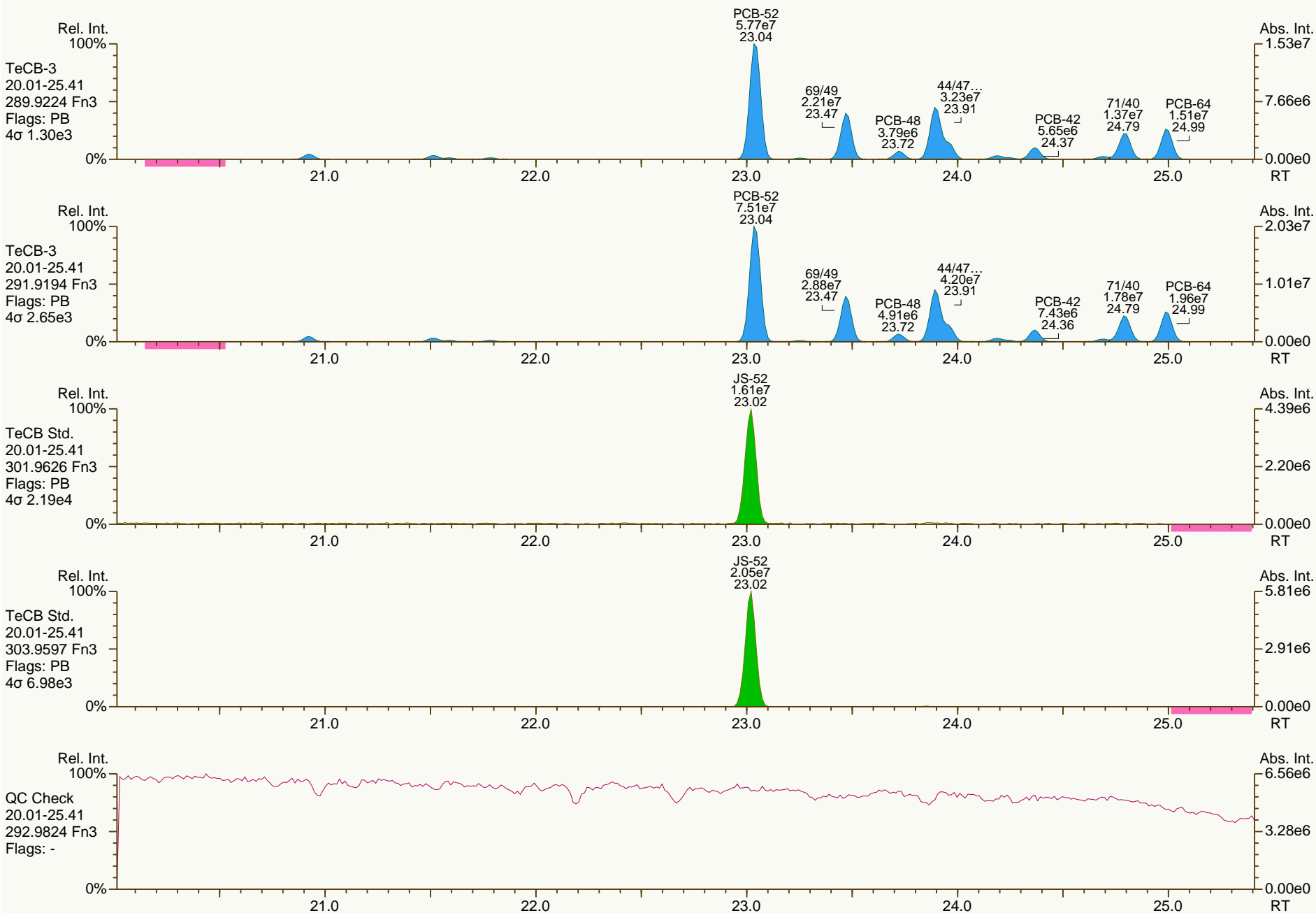
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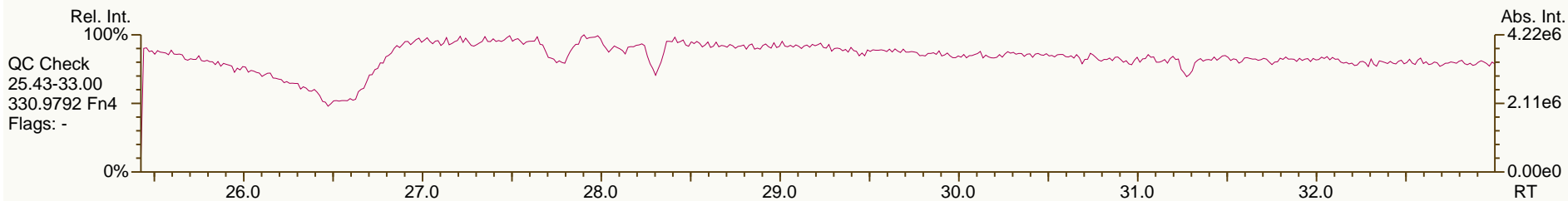
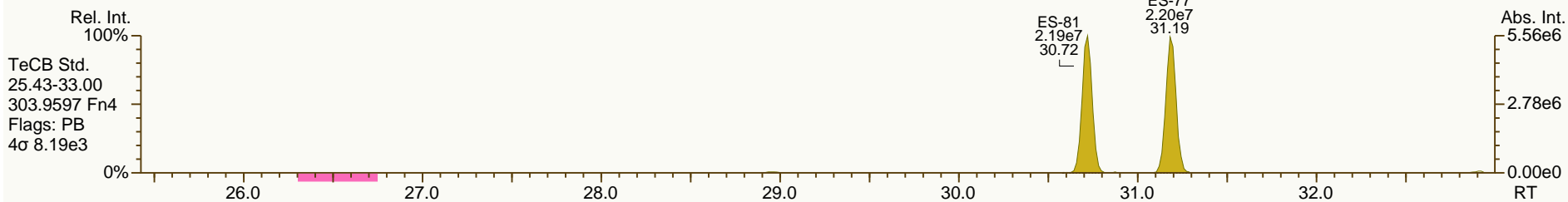
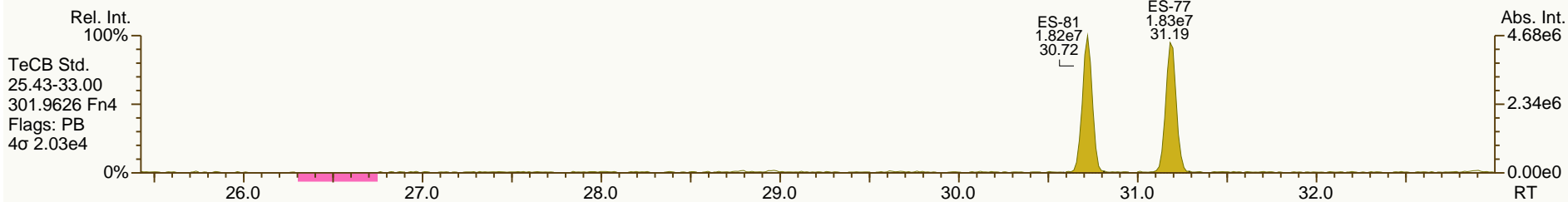
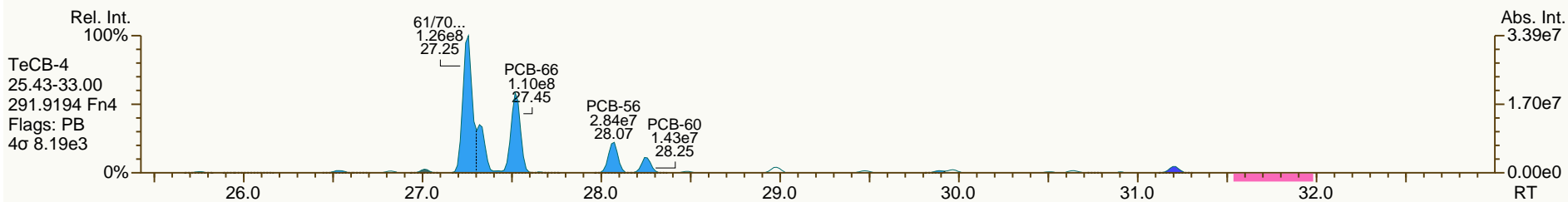
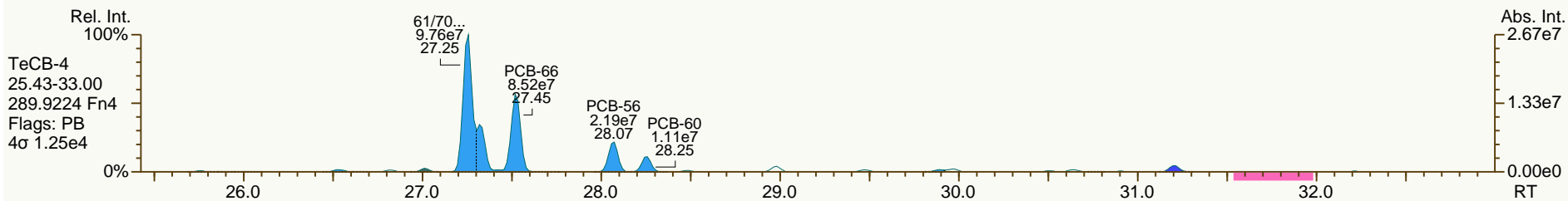
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Sample ID: JW-EA10-SS90-120507
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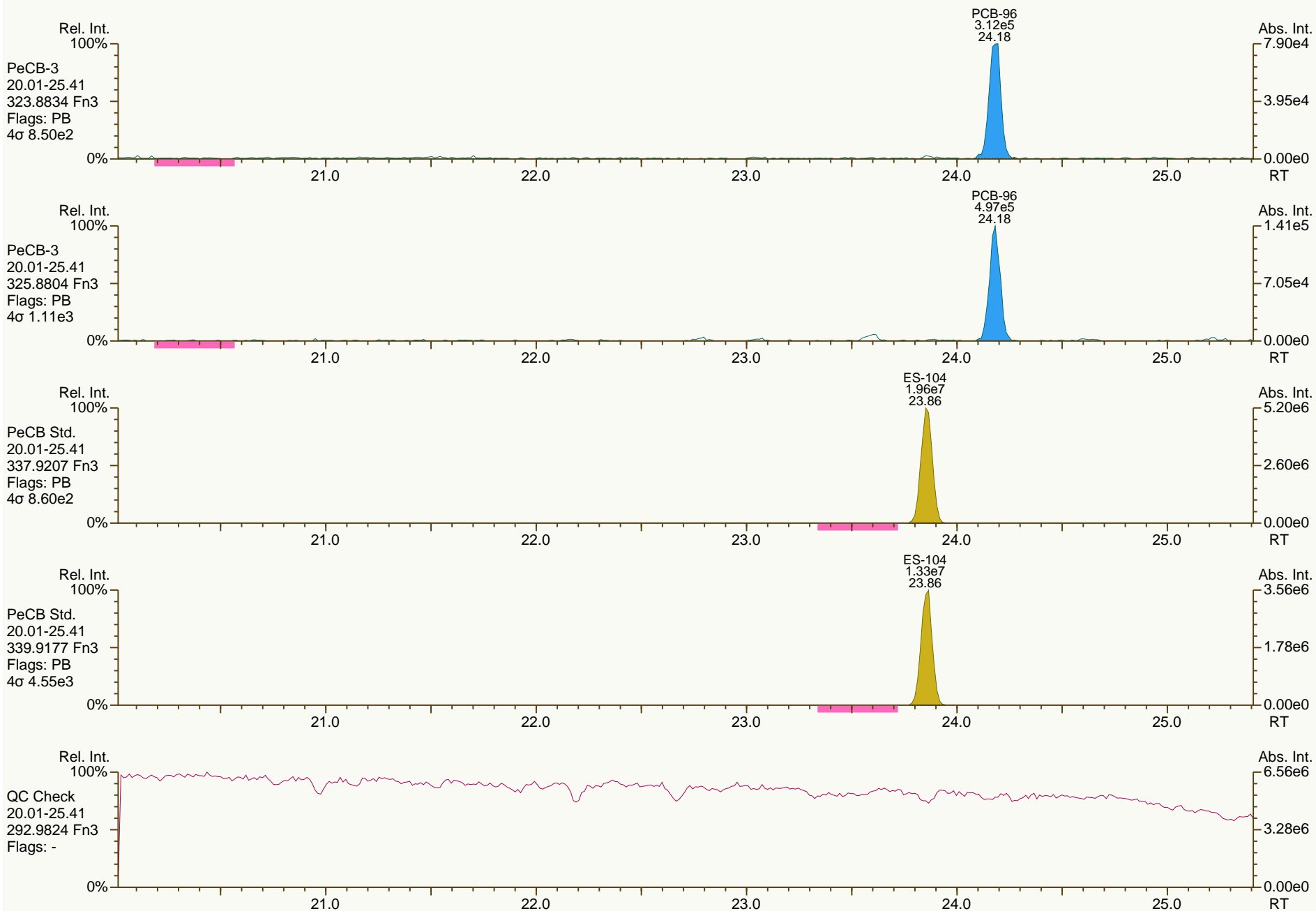
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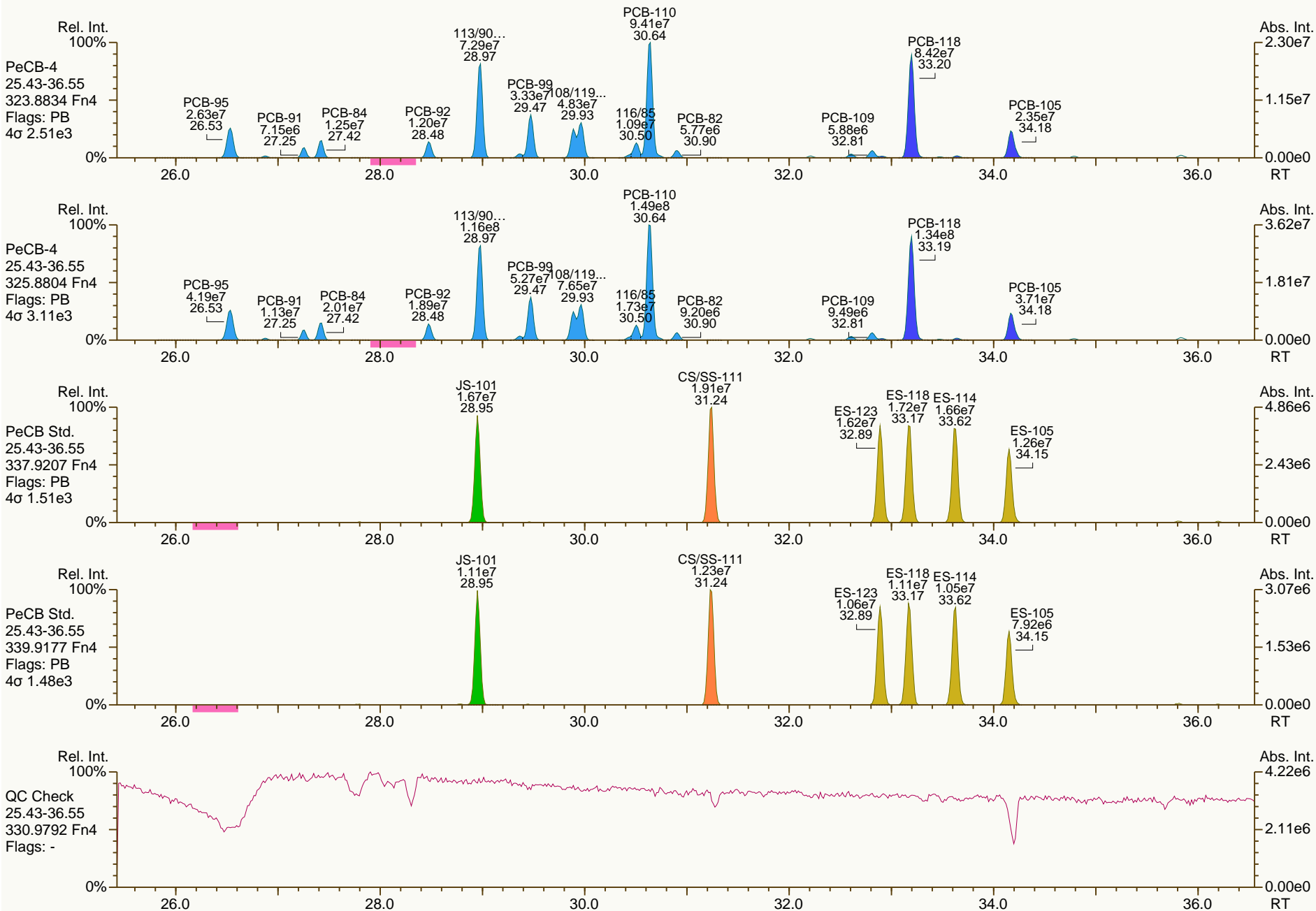
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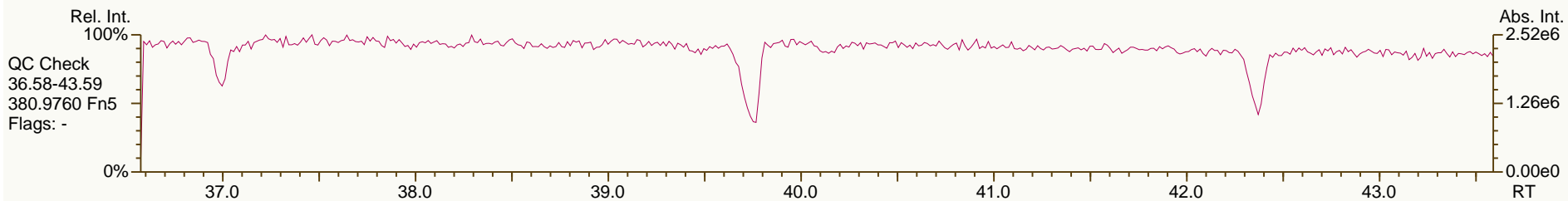
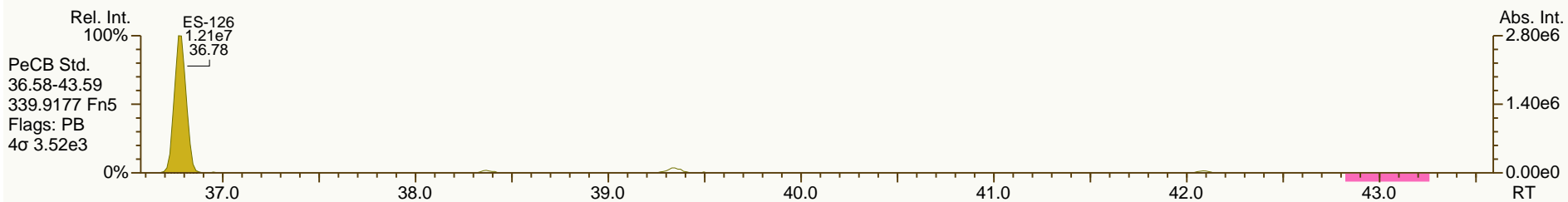
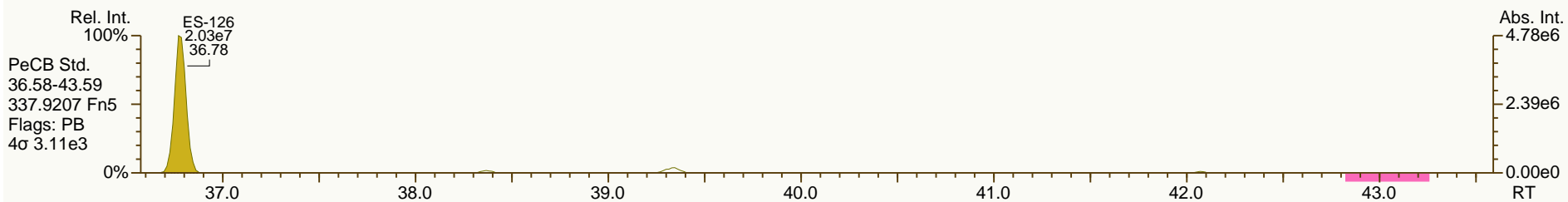
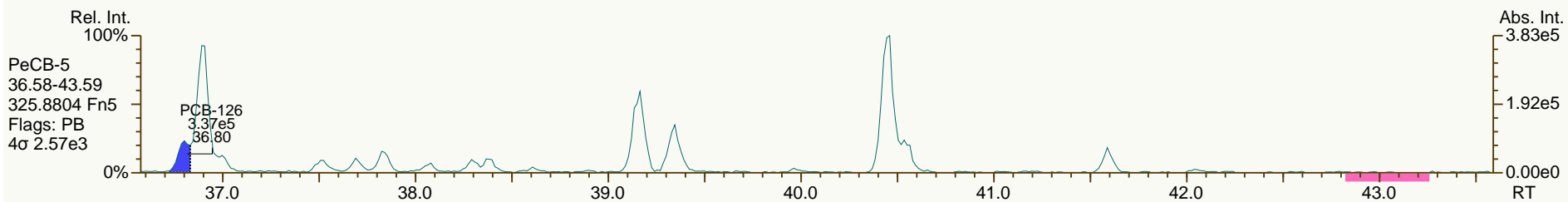
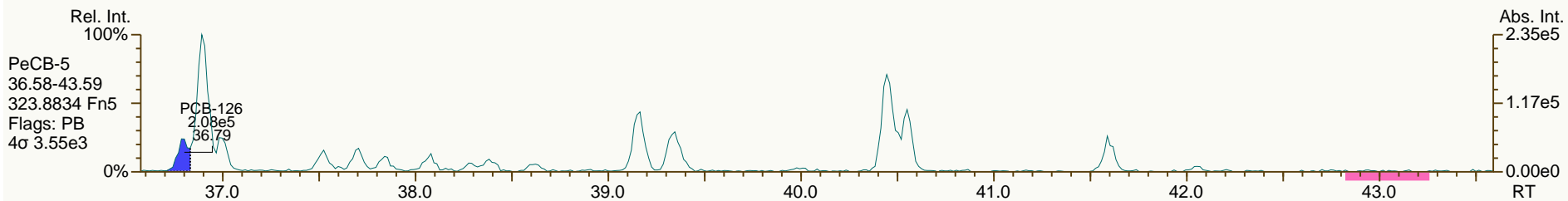
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

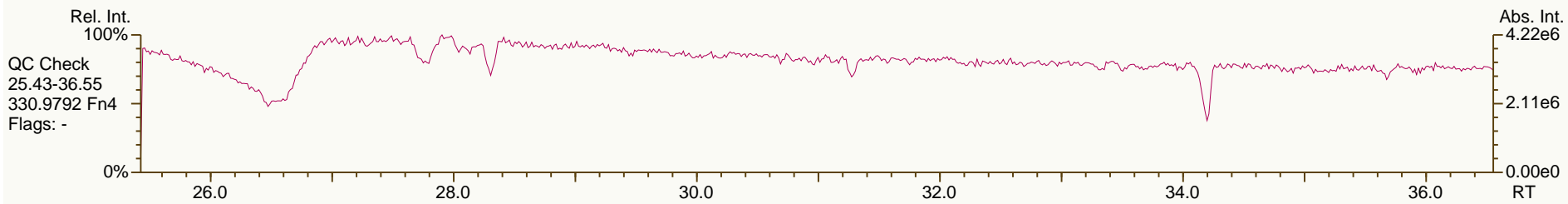
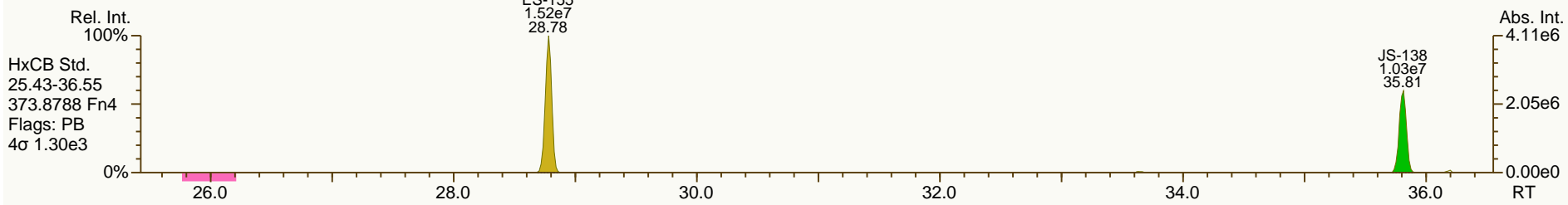
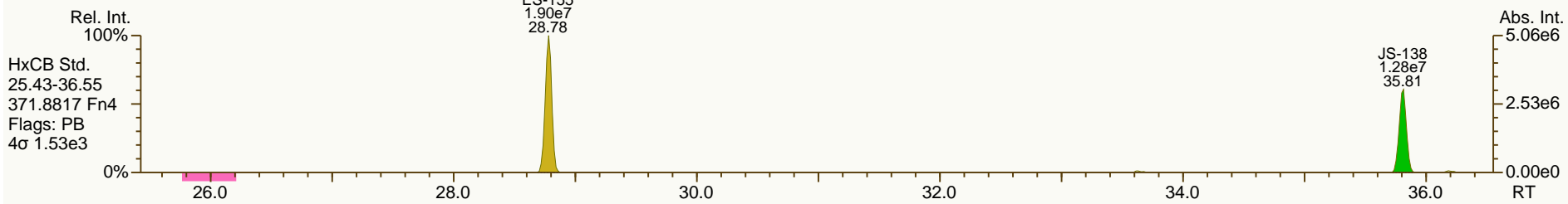
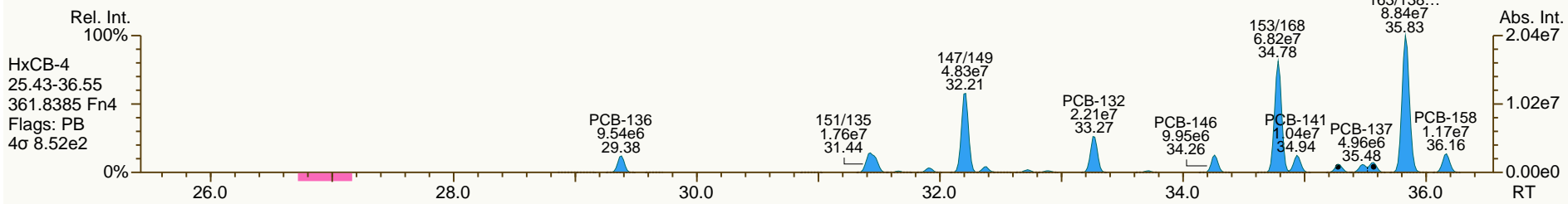
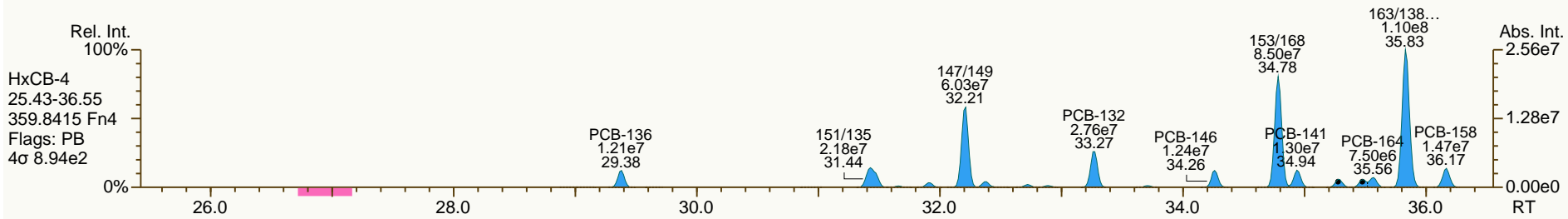
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

Acq: 04-Jul-2012 03:18:31
 User: CEM Datafile: 120703V26



AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
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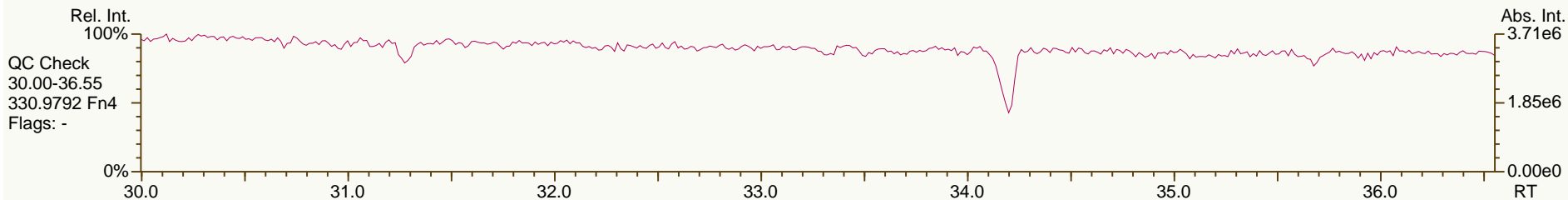
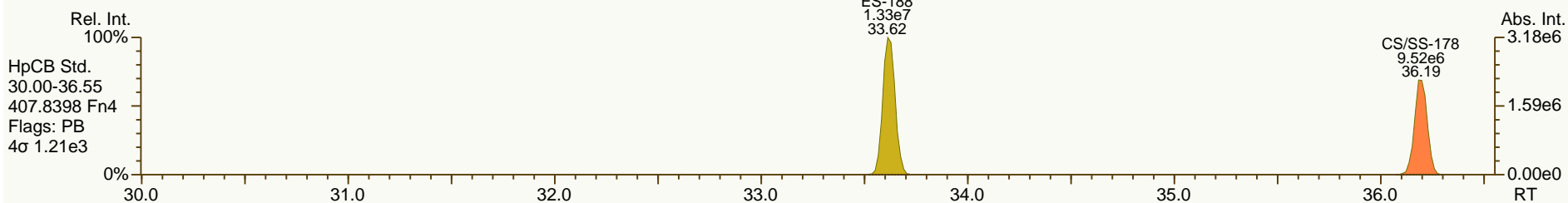
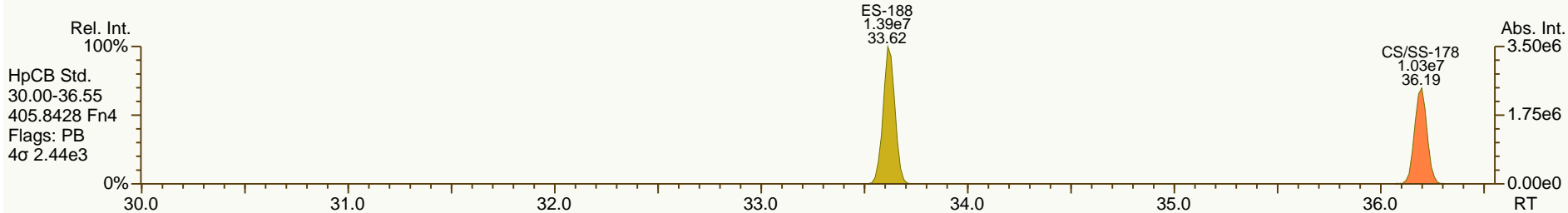
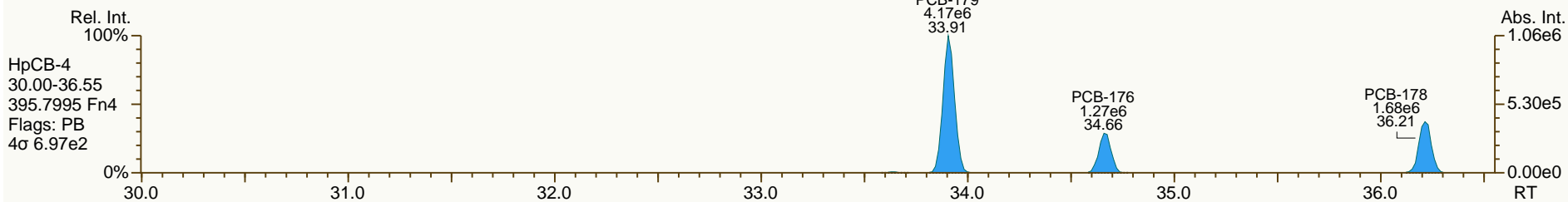
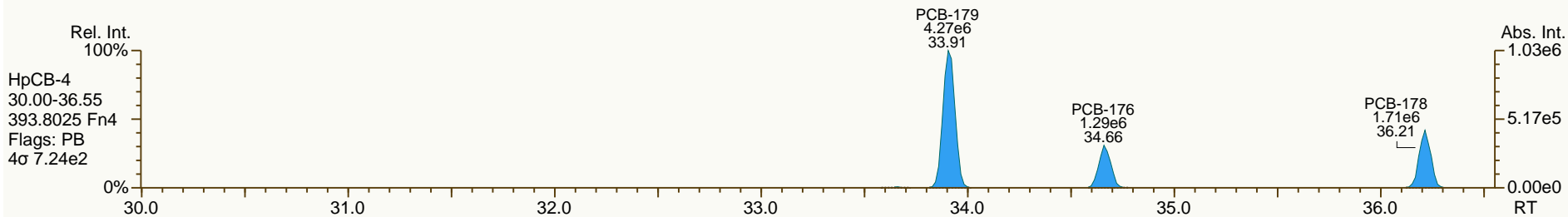
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

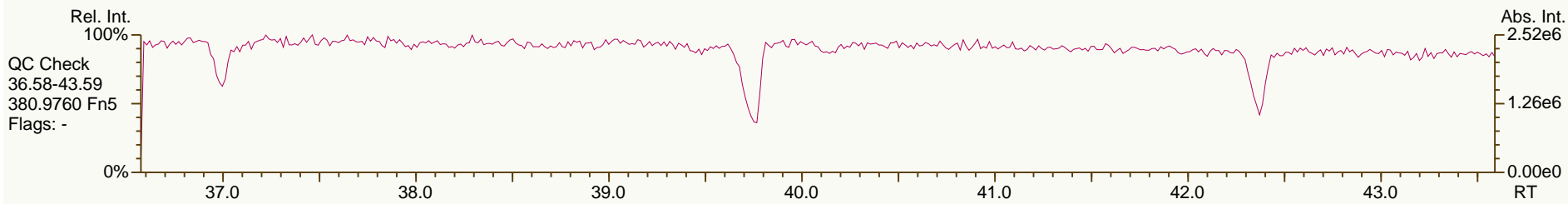
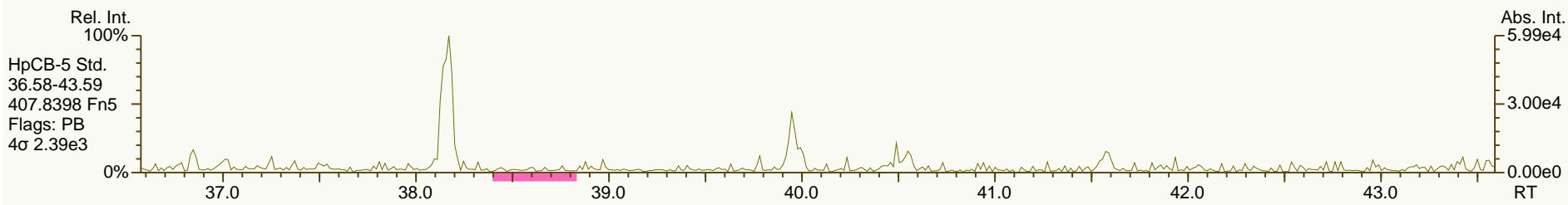
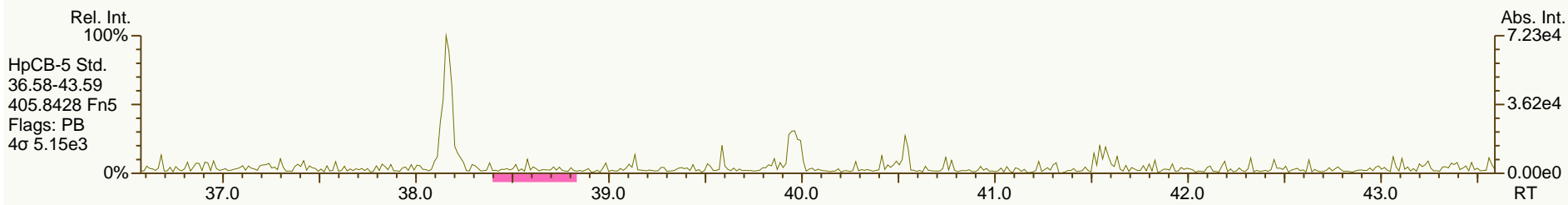
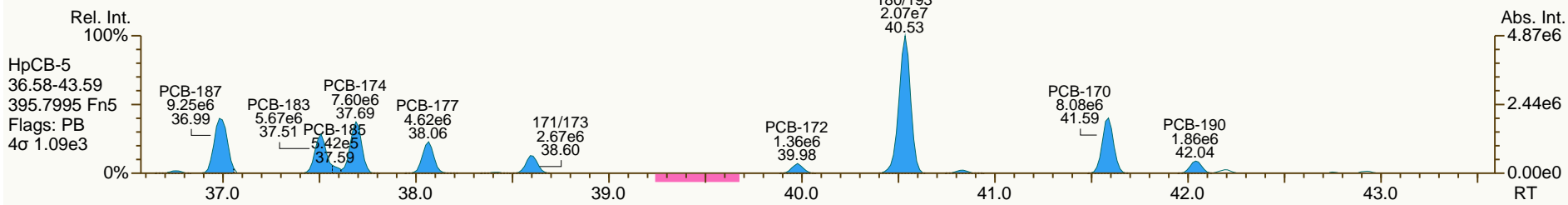
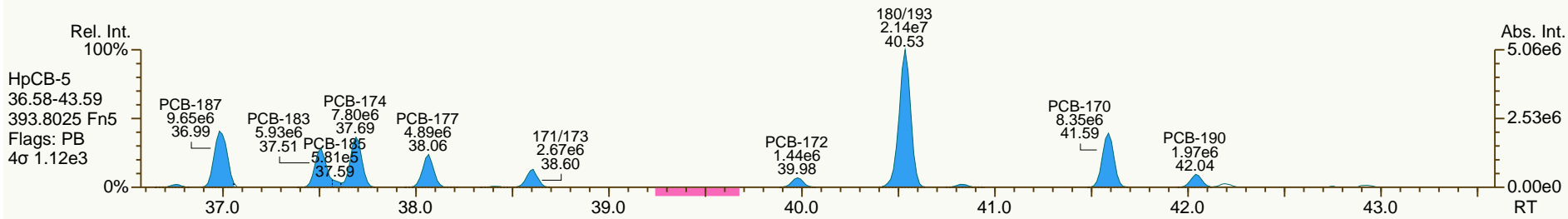
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

Acq: 04-Jul-2012 03:18:31
 User: CEM Datafile: 120703V26



AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

Acq: 04-Jul-2012 03:18:31
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
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AP Lab ID: A4373_9894_PCB_006
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Sample ID: JW-EA10-SS90-120507
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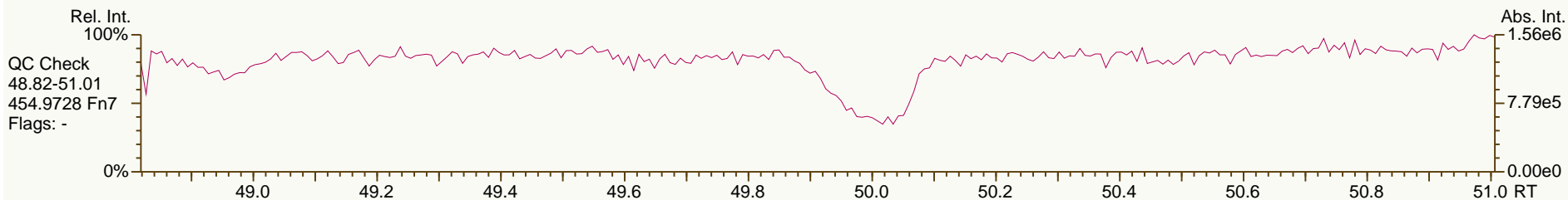
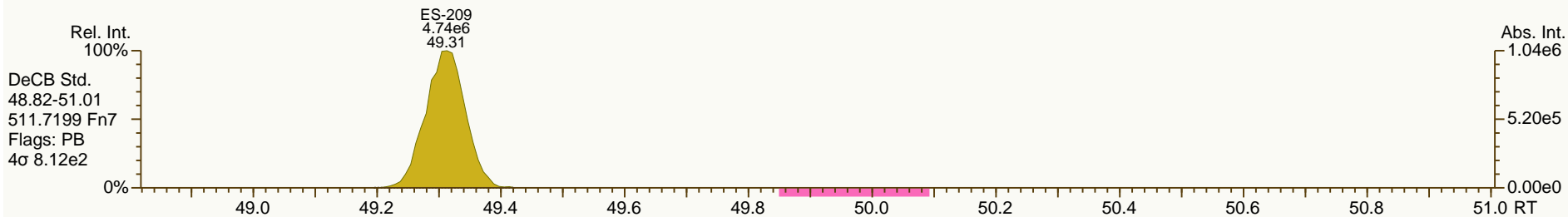
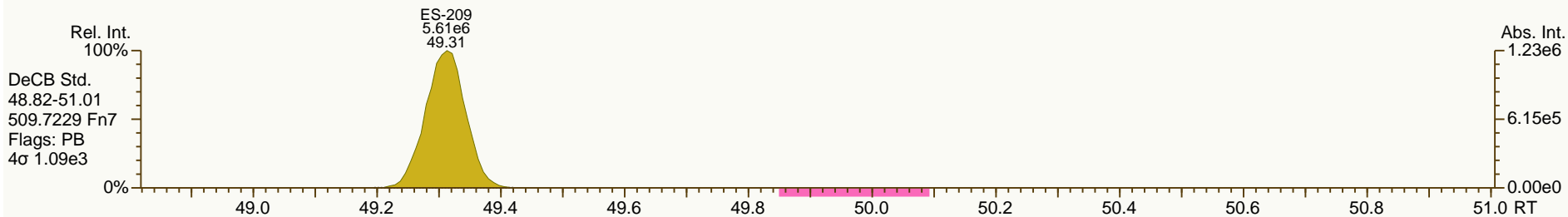
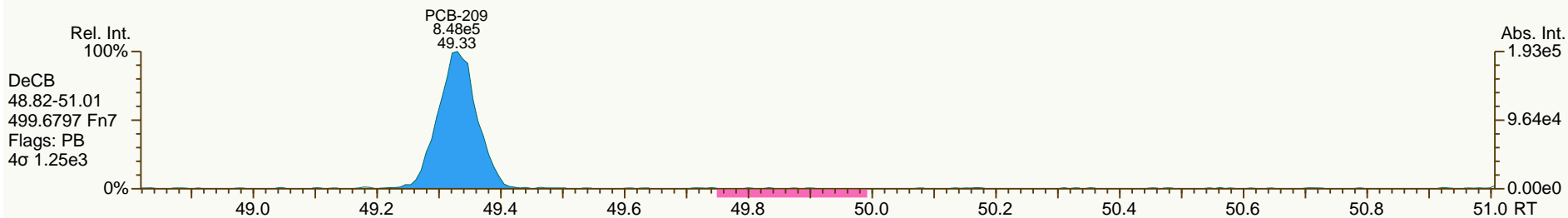
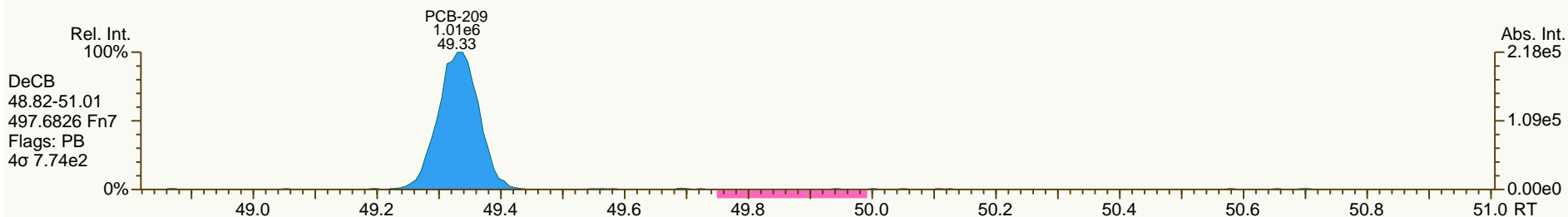
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

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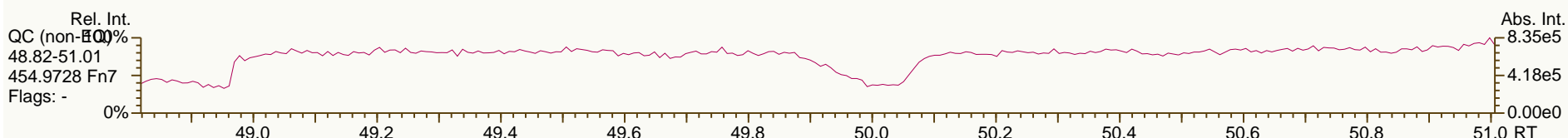
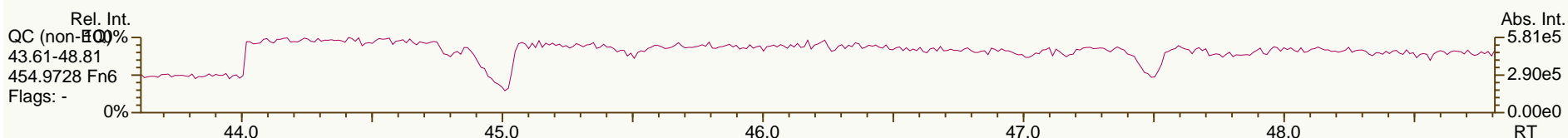
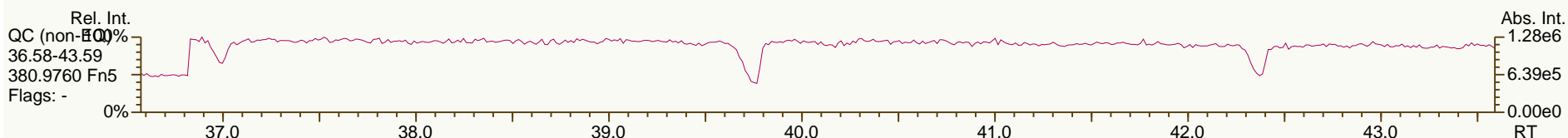
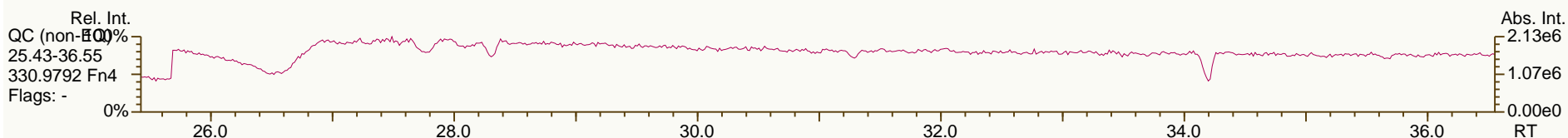
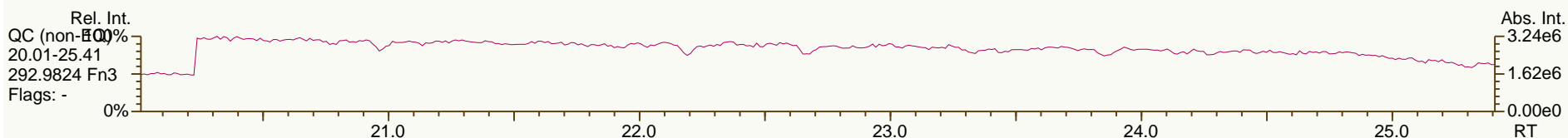
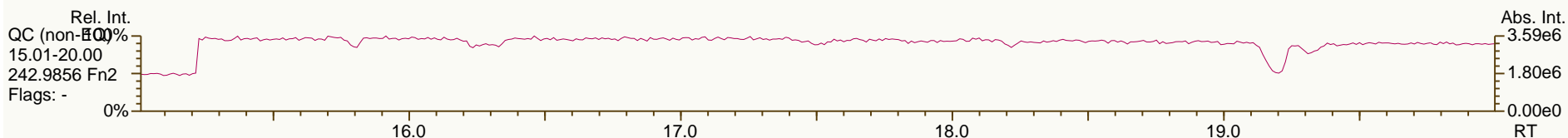
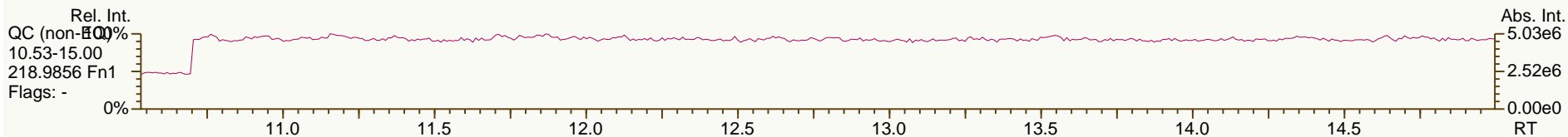
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AP Lab ID: A4373_9894_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA10-SS90-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 56

Acq: 04-Jul-2012 03:18:31
 User: CEM Datafile: 120703V26



Lab ID: A4373_9894_PCB_007

ACQ: 04-Jul-2012 04:12:49 CEM

Wt/Vol: 4.69 g

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: JW-EA01-COMP-120507

UTP: 04-Jul-2012 14:04 CEM

J-level: 2.13 pg/g Split: 1

Checkcode: 883-780-LPX

Datafile: 120703V27

RPT: 04-Jul-2012 15:55 CM

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.19		1.0007	1.0006	-0.2	8.35E+05	0.72	1.11	10.8	9.62E+03	1.24
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	9.62E+03	1.17
PCB-105 233'44'-PeCB	34.16		1.0007	1.0007	0	3.29E+06	0.61	1.05	84.2	3.52E+03	0.83
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0007	0	2.20E+05	0.56	1.15	4.06	3.52E+03	0.636
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	1.21E+07	0.63	1.04	235	3.52E+03	0.655
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0008	+0.4	2.62E+05	0.61	1.01	5.5	3.52E+03	0.717
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	3.91E+03	0.702
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0002	-0.7	2.10E+06	1.32	1.16	44.2	3.38E+03	0.971
PCB-167 23'44'55'-HxCB	38.37		1.0006	1.0005	-0.2	8.43E+05	1.29	1.24	15.8	3.38E+03	0.631
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.38E+03	0.946
PCB-189 233'44'55'-HpCB	44.24		1.0004	1.0004	0	1.81E+05	1.02	1.05	3.48	2.51E+03	0.517
PCB-209 DeCB	49.33		1.0004	1.0004	0	4.98E+05	1.15	1.09	26	2.18E+03	1.28
ES PCB-1	10.94		0.7216	0.7214	-0.1	2.24E+07	3.31	1.02	49.2 %	4%	100%
ES PCB-3	13.06		0.8614	0.8612	-0.2	2.43E+07	3.39	1.02	53.5 %	11%	106%
ES PCB-4	13.29		0.8767	0.8764	-0.2	1.61E+07	1.63	0.68	53 %	14%	107%
ES PCB-15	18.73		1.2346	1.2352	+0.7	4.28E+07	1.68	1.06	90.8 %	19%	107%
ES PCB-19	16.20		1.0683	1.0684	+0.1	1.74E+07	1.06	0.49	79.2 %	1%	108%
ES PCB-37	24.91		1.0817	1.0824	+1.0	3.39E+07	1.13	1.51	87.4 %	25%	123%
ES PCB-54	18.99		0.8258	0.8252	-0.7	2.20E+07	0.76	1.37	62.4 %	13%	105%
ES PCB-77	31.17		1.3528	1.3546	+3.4	2.99E+07	0.83	1.17	99.3 %	31%	109%
ES PCB-81	30.70		1.3325	1.3342	+3.1	3.12E+07	0.83	1.13	107 %	14%	127%
ES PCB-104	23.85		0.8252	0.8241	-1.6	2.48E+07	1.55	1.90	60.4 %	36%	115%
ES PCB-105	34.14		1.1796	1.1796	0	1.58E+07	1.63	1.15	63.9 %	50%	111%
ES PCB-114	33.61		1.1611	1.1612	+0.2	2.00E+07	1.52	1.22	76.2 %	41%	121%
ES PCB-118	33.16		1.1454	1.1457	+0.6	2.12E+07	1.57	1.24	79.1 %	49%	111%
ES PCB-123	32.87		1.1358	1.1360	+0.4	2.02E+07	1.59	1.29	72.7 %	49%	116%
ES PCB-126	36.77		1.2698	1.2704	+1.3	2.45E+07	1.63	1.40	81.3 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.77		0.8040	0.8038	-0.3	2.69E+07	1.23	1.45	113 %	25%	124%
ES PCB-156/157	39.32		1.0982	1.0986	+0.9	3.49E+07	1.31	0.94	113 %	40%	120%
ES PCB-167	38.35	V	1.0711	1.0715	+0.9	1.83E+07	1.25	0.93	120 %	45%	118%
ES PCB-169	42.07		1.1746	1.1753	+1.8	1.39E+07	1.25	0.88	96.4 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.60		0.7312	0.7303	-1.8	2.07E+07	1.06	1.52	82.8 %	23%	125%
ES PCB-189	44.22		0.9611	0.9609	-0.5	2.10E+07	1.05	2.05	99.5 %	47%	116%
ES PCB-202	38.14		0.8297	0.8289	-1.8	1.79E+07	0.87	1.21	89.9 %	31%	134%
ES PCB-205	46.42		1.0088	1.0088	0	1.10E+07	0.92	1.28	82.7 %	46%	115%
ES PCB-206	47.92		1.0412	1.0414	+0.6	8.46E+06	0.80	1.12	73 %	38%	122%
ES PCB-208	43.81		0.9525	0.9521	-1.1	1.44E+07	0.80	1.46	95 %	31%	126%
ES PCB-209	49.31		1.0713	1.0716	+0.9	7.52E+06	1.19	1.16	62.7 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.42		0.9310	0.9308	-0.3	3.85E+07	1.12	1.09	104 %	14%	131%
CS/SS PCB-111	31.22	V	1.0789	1.0788	-0.2	2.26E+07	1.51	0.93	120 %	57%	112%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.49E+07	1.09	0.63	115 %	57%	125%
CS PCB-28	21.42		0.9310	0.9308	-0.3	3.85E+07	1.12	1.64	91.2 %	14%	131%
CS PCB-111	31.22		1.0789	1.0788	-0.2	2.26E+07	1.51	1.20	87.3 %	57%	112%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.49E+07	1.09	0.95	95.3 %	57%	125%

JS PCB-9	15.16					4.45E+07	1.64				
JS PCB-52	23.01					2.57E+07	0.79				
JS PCB-101	28.94					2.15E+07	1.56				
JS PCB-138	35.79					1.64E+07	1.32				
JS PCB-194	46.01					1.03E+07	0.93				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	19.7	19.7	1.1
	Di-CBs	432	434	2.69
	Tri-CBs	3,650	3,650	1.43
	Tetra-CBs	5,260	5,270	1.03
	Penta-CBs	2,000	2,000	0.642
	Hexa-CBs	1,740	1,740	0.707
	Hepta-CBs	622	622	0.557
	Octa-CBs	182	189	0.835
	Nona-CBs	39	39	1.71

PCB-1 2-MoCB	10.95		1.0011	1.0011	0	4.11E+05	3.22	1.00	7.87	9.77E+03	1.03
PCB-2 3-MoCB	12.90		0.9879	0.9879	0	1.79E+05	3.09	1.31	2.39	9.77E+03	0.853
PCB-3 4-MoCB	13.07		1.0010	1.0009	-0.1	5.15E+05	2.96	0.96	9.4	9.77E+03	1.16
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	1.70E+06	1.58	0.82	54.7	1.57E+04	3.42
PCB-10 26-DiCB	13.48	EMPC	1.0138	1.0141	+0.2	1.54E+05	1.83	1.47	2.77	1.57E+04	1.91
PCB-9 25-DiCB	15.18		1.0010	1.0011	+0.1	5.93E+05	1.62	0.95	6.21	2.23E+04	1.96
PCB-7 24-DiCB	15.33		1.0113	1.0113	0	4.04E+05	1.56	1.10	3.65	2.23E+04	1.69
PCB-6 23'-DiCB	15.55		1.0252	1.0253	+0.1	2.22E+06	1.54	1.03	21.5	2.23E+04	1.81
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.23E+04	1.79
PCB-8 24'-DiCB	15.95		1.0517	1.0517	0	1.04E+07	1.57	1.04	99.3	2.23E+04	1.79
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.23E+04	1.5
PCB-11 33'-DiCB	18.19		0.9713	0.9712	-0.1	2.97E+06	1.49	1.06	27.8	2.23E+04	1.75
PCB-13/12 34'/34-DiCB	18.45	C	0.9861	0.9851	-1.1	1.97E+06	1.44	1.07	18.3	2.23E+04	1.73
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	1.92E+07	1.54	0.95	200	2.23E+04	1.95
PCB-19 22'6-TrCB	16.22		1.0011	1.0011	0	1.85E+06	1.07	0.92	49.3	6.40E+03	1.31
PCB-30/18 246/22'5-TrCB	17.92	C	1.1054	1.1061	+0.8	1.44E+07	1.04	1.27	278	6.40E+03	0.952
PCB-17 22'4-TrCB	18.30		1.1291	1.1295	+0.4	7.98E+06	1.03	1.07	183	6.40E+03	1.13
PCB-27 23'6-TrCB	18.48		1.1406	1.1409	+0.3	2.44E+06	1.03	1.46	40.8	6.40E+03	0.825
PCB-24 236-TrCB	18.61		1.1484	1.1485	+0.1	4.25E+05	1.00	1.41	7.39	6.40E+03	0.859
PCB-16 22'3-TrCB	18.70		1.1537	1.1542	+0.6	6.45E+06	1.06	0.82	194	6.40E+03	1.48

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.17		1.1827	1.1832	+0.6	8.57E+06	1.03	1.52	138	6.40E+03	0.793
PCB-34 23'5'-TrCB	20.29		0.8155	0.8146	-1.1	2.42E+05	1.07	1.39	2.19	1.39E+04	1.19
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.39E+04	1.15
PCB-26/29 23'5'/245-TrCB	20.69	C	0.8324	0.8306	-2.2	1.36E+07	1.07	1.43	119	1.39E+04	1.16
PCB-25 23'4-TrCB	20.90		0.8401	0.8391	-1.3	7.18E+06	1.08	1.44	62.6	1.39E+04	1.15
PCB-31 24'5-TrCB	21.18		0.8509	0.8501	-1.0	8.07E+07	1.05	1.47	689	1.39E+04	1.13
PCB-28/20 244'/233'-TrCB	21.44	C	0.8618	0.8607	-1.4	1.14E+08	1.05	1.42	1,010	1.39E+04	1.17
PCB-21/33 234/23'4'-TrCB	21.64	C	0.8687	0.8688	+0.1	2.57E+07	1.06	1.44	224	1.39E+04	1.15
PCB-22 234'-TrCB	21.98		0.8834	0.8826	-1.1	3.46E+07	1.05	1.33	327	1.39E+04	1.25
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.39E+04	1.12
PCB-39 34'5-TrCB	23.72		0.9506	0.9521	+2.1	6.61E+05	0.95	1.54	5.4	1.39E+04	1.08
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.39E+04	1.21
PCB-35 33'4-TrCB	24.57		0.9866	0.9865	-0.1	1.32E+06	1.06	1.36	12.2	1.39E+04	1.22
PCB-37 344'-TrCB	24.93		1.0008	1.0008	0	2.63E+07	1.08	1.07	307	1.39E+04	1.55
PCB-54 22'66'-TeCB	19.01	J	1.0010	1.0010	0	9.69E+04	0.78	1.04	1.8	3.51E+03	0.54
PCB-50/53 22'46/22'56'-TeCB	20.92	C	0.9106	0.9092	-1.8	5.69E+06	0.77	0.60	130	4.83E+03	1.1
PCB-45 22'36-TeCB	21.51		0.9351	0.9349	-0.3	6.32E+06	0.75	0.53	163	4.83E+03	1.25
PCB-51 22'46'-TeCB	21.59		0.9384	0.9383	-0.1	1.30E+06	0.75	0.59	30.3	4.83E+03	1.12
PCB-46 22'36'-TeCB	21.78		0.9469	0.9466	-0.4	2.11E+06	0.79	0.49	58.4	4.83E+03	1.34
PCB-52 22'55'-TeCB	23.03		1.0010	1.0010	0	3.63E+07	0.77	0.59	838	4.83E+03	1.12
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	4.83E+03	0.862
PCB-43 22'35-TeCB	23.24		1.0101	1.0098	-0.4	1.75E+06	0.80	0.53	45.1	4.83E+03	1.25
PCB-69/49 23'46/22'45'-TeCB	23.47	C	1.0187	1.0197	+1.4	2.85E+07	0.77	0.72	540	4.83E+03	0.914
PCB-48 22'45-TeCB	23.72		1.0304	1.0306	+0.3	9.52E+06	0.76	0.60	218	4.83E+03	1.11
PCB-44/47/65 ...-TeCB	23.91	C	1.0396	1.0389	-1.0	4.34E+07	0.78	0.64	930	4.83E+03	1.03
PCB-59/62/75 ...-TeCB	24.19	C	1.0514	1.0513	-0.1	6.06E+06	0.76	0.81	102	4.83E+03	0.817
PCB-42 22'34'-TeCB	24.36		1.0582	1.0586	+0.6	1.17E+07	0.77	0.55	294	4.83E+03	1.21
PCB-41 22'34-TeCB	24.68		1.0722	1.0727	+0.7	4.26E+06	0.76	0.51	114	4.83E+03	1.29
PCB-71/40 23'4'6/22'33'-TeCB	24.79	C	1.0764	1.0770	+0.9	1.87E+07	0.78	0.60	424	4.83E+03	1.1
PCB-64 234'6-TeCB	24.99		1.0850	1.0858	+1.2	2.44E+07	0.77	0.86	388	4.83E+03	0.767
PCB-72 23'55'-TeCB	25.75		0.8379	0.8386	+1.1	4.18E+05	0.66	1.24	4.61	9.62E+03	1.06
PCB-68 23'45'-TeCB	26.02	J EMPC	0.8461	0.8474	+2.0	1.88E+05	0.64	1.31	1.96	9.62E+03	1
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	9.62E+03	1.12
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	9.62E+03	1.09
PCB-67 23'45-TeCB	26.79		0.8692	0.8727	+5.6	1.83E+06	0.80	1.26	19.9	9.62E+03	1.05
PCB-63 234'5-TeCB	26.99		0.8765	0.8789	+3.9	1.75E+06	0.80	1.28	18.7	9.62E+03	1.03
PCB-61/70/74/76 ...-TeCB	27.26	C	0.8856	0.8878	+3.6	4.96E+07	0.77	1.21	563	9.62E+03	1.09
PCB-66 23'44'-TeCB	27.51		0.8947	0.8958	+1.8	2.32E+07	0.78	1.12	283	9.62E+03	1.18
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	9.62E+03	1.11
PCB-56 233'4'-TeCB	28.05		0.9132	0.9137	+0.8	4.81E+06	0.77	1.12	59	9.62E+03	1.18
PCB-60 2344'-TeCB	28.24		0.9193	0.9197	+0.7	2.27E+06	0.76	1.17	26.6	9.62E+03	1.13
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	9.62E+03	1
PCB-79 33'45'-TeCB	29.88		0.9730	0.9731	+0.2	2.36E+05	0.71	1.34	2.41	9.62E+03	0.983
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	9.62E+03	1.22
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.07E+03	0.31
PCB-96 22'366'-PeCB	24.18		1.0136	1.0136	0	4.75E+05	0.66	0.97	8.42	2.07E+03	0.325
PCB-103 22'45'6-PeCB	25.92		0.8946	0.8955	+1.4	1.72E+05	0.60	0.87	4.18	3.52E+03	0.83
PCB-94 22'356'-PeCB	26.10		0.9008	0.9018	+1.6	1.20E+05	0.59	0.76	3.37	3.52E+03	0.958

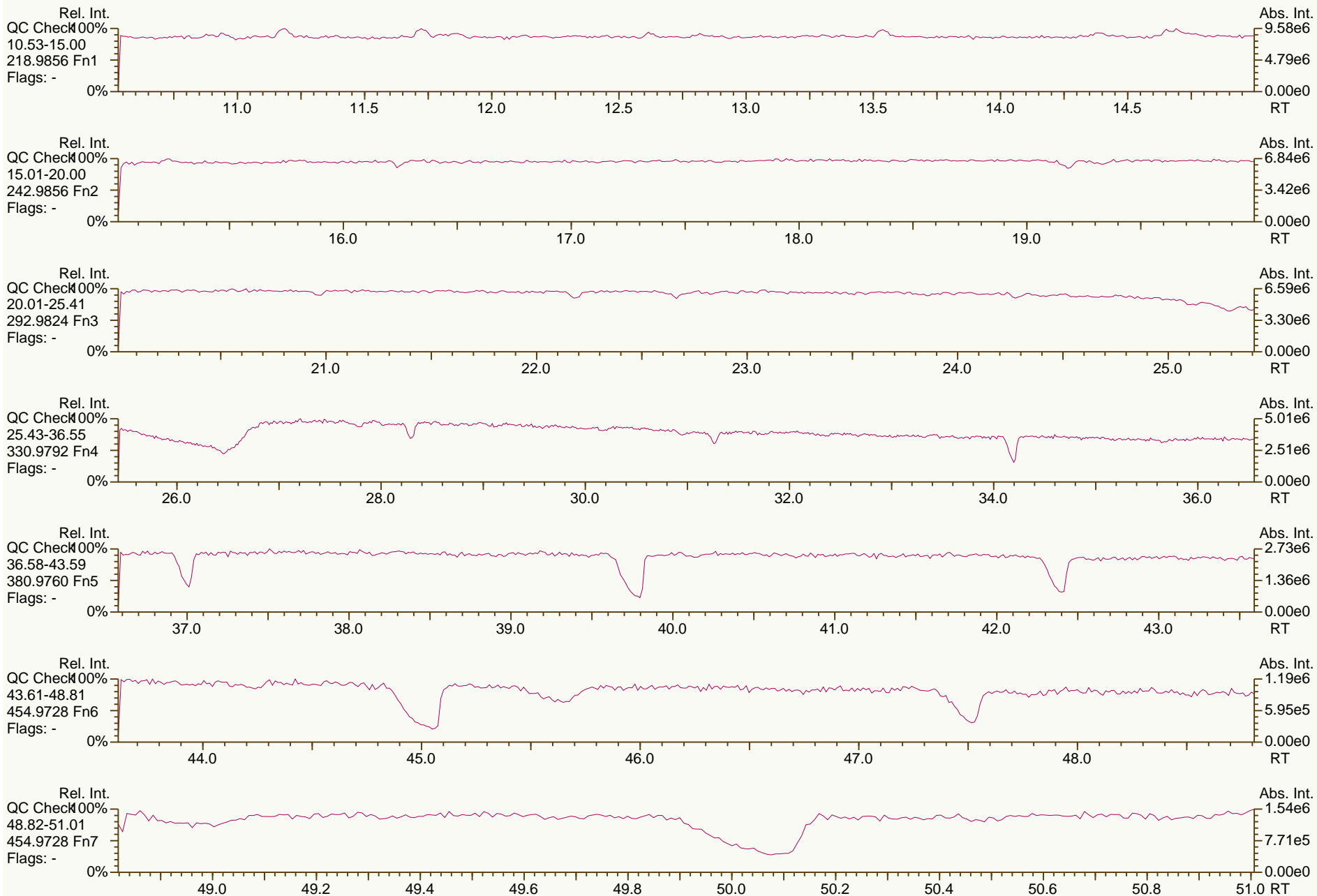
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.52		0.9137	0.9165	+4.5	8.70E+06	0.63	0.80	229	3.52E+03	0.9
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	3.52E+03	0.896
PCB-102 22'456'-PeCB	26.75		0.9247	0.9242	-0.8	2.73E+05	0.68	0.91	6.37	3.52E+03	0.799
PCB-98 22'34'6'-PeCB	26.85		0.9270	0.9278	+1.3	9.01E+05	0.70	0.76	25.2	3.52E+03	0.958
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	3.52E+03	0.968
PCB-91 22'34'6-PeCB	27.23		0.9394	0.9409	+2.5	2.91E+06	0.63	0.87	70.7	3.52E+03	0.83
PCB-84 22'33'6-PeCB	27.40		0.9457	0.9468	+1.8	3.05E+06	0.62	0.70	92.3	3.52E+03	1.03
PCB-89 22'346'-PeCB	27.80		0.9599	0.9606	+1.2	1.75E+05	0.69	0.73	5.08	3.52E+03	0.995
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	3.52E+03	0.656
PCB-92 22'355'-PeCB	28.46		0.9834	0.9836	+0.3	2.46E+06	0.62	0.77	67.9	3.52E+03	0.945
PCB-113/90/101 ...-PeCB	28.96	C	0.9998	1.0007	+1.6	1.24E+07	0.65	0.91	290	3.52E+03	0.797
PCB-83 22'33'5-PeCB	29.35		1.0145	1.0142	-0.5	5.08E+05	0.66	0.68	15.8	3.52E+03	1.07
PCB-99 22'44'5-PeCB	29.46		1.0180	1.0179	-0.2	6.82E+06	0.64	0.82	175	3.52E+03	0.879
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	3.52E+03	0.676
PCB-108/119/86/97/125...-PeCB	29.92	C	1.0330	1.0338	+1.4	7.53E+06	0.63	0.90	177	3.52E+03	0.804
PCB-117 234'56-PeCB	30.42		1.0513	1.0511	-0.4	3.79E+05	0.69	0.99	8.1	3.52E+03	0.732
PCB-116/85 23456/22'344'-PeCB	30.49	C	1.0541	1.0537	-0.7	2.06E+06	0.64	0.92	47.4	3.52E+03	0.786
PCB-110 233'4'6-PeCB	30.62		1.0584	1.0582	-0.4	1.78E+07	0.62	0.98	383	3.52E+03	0.737
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	3.52E+03	0.692
PCB-82 22'33'4-PeCB	30.89		1.0677	1.0674	-0.6	9.02E+05	0.59	0.64	29.8	3.52E+03	1.13
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	3.52E+03	0.705
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	3.52E+03	0.661
PCB-107/124 ...-PeCB	32.59	C	0.9913	0.9913	0	4.98E+05	0.64	0.95	11.1	3.52E+03	0.759
PCB-109 233'46-PeCB	32.80		0.9975	0.9976	+0.2	9.44E+05	0.61	1.05	19	3.52E+03	0.689
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	3.52E+03	0.797
PCB-122 233'4'5'-PeCB	33.46		1.0092	1.0091	-0.2	1.47E+05	0.67	1.01	3.1	3.52E+03	0.726
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	3.52E+03	0.94
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.28
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.92E+03	0.281
PCB-150 22'34'66'-HxCB	29.08	J	1.0109	1.0107	-0.3	5.33E+04	1.34	1.01	0.841	1.92E+03	0.289
PCB-136 22'33'66'-HxCB	29.37		1.0209	1.0208	-0.2	2.58E+06	1.24	0.96	42.7	1.92E+03	0.303
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.92E+03	0.299
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.92E+03	0.397
PCB-151/135 ...-HxCB	31.42	C	1.0926	1.0923	-0.6	5.12E+06	1.25	0.71	115	1.92E+03	0.411
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.357
PCB-144 22'345'6-HxCB	31.90		1.1089	1.1088	-0.2	6.87E+05	1.37	0.72	15.2	1.92E+03	0.404
PCB-147/149 ...-HxCB	32.19	C	1.1193	1.1191	-0.4	1.26E+07	1.24	0.74	271	1.92E+03	0.394
PCB-134 22'33'56-HxCB	32.36		1.1251	1.1250	-0.2	7.46E+05	1.11	0.63	18.9	1.92E+03	0.464
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.432
PCB-139/140 ...-HxCB	32.71	C	1.1372	1.1370	-0.4	3.70E+05	1.19	0.70	8.38	1.92E+03	0.414
PCB-131 22'33'46-HxCB	32.88		1.1428	1.1428	0	2.08E+05	1.40	0.62	5.34	1.92E+03	0.469
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.469
PCB-132 22'33'46'-HxCB	33.25		1.1559	1.1559	0	4.71E+06	1.21	0.63	119	1.92E+03	0.461
PCB-133 22'33'55'-HxCB	33.69		1.1710	1.1712	+0.4	3.02E+05	1.32	0.68	7.08	1.92E+03	0.43
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.354
PCB-146 22'34'55'-HxCB	34.25		0.9569	0.9568	-0.2	2.58E+06	1.26	0.72	57	1.92E+03	0.403
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.318
PCB-153/168 ...-HxCB	34.77	C	0.9720	0.9714	-1.3	1.69E+07	1.22	0.85	318	1.92E+03	0.343

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.92		0.9758	0.9758	0	2.25E+06	1.27	0.68	52.5	1.92E+03	0.427
PCB-130 22'33'45'-HxCB	35.26		0.9853	0.9853	0	1.08E+06	1.27	0.60	28.6	1.92E+03	0.484
PCB-137 22'344'5'-HxCB	35.46		0.9908	0.9907	-0.2	8.40E+05	1.23	0.64	21	1.92E+03	0.457
PCB-164 233'4'5'6'-HxCB	35.54		0.9931	0.9931	0	1.53E+06	1.26	0.91	26.6	1.92E+03	0.319
PCB-163/138/129 ...-HxCB	35.82	C	1.0011	1.0007	-0.9	1.95E+07	1.26	0.71	438	1.92E+03	0.411
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.346
PCB-158 233'44'6'-HxCB	36.15		1.0101	1.0101	0	2.38E+06	1.24	0.89	42.4	1.92E+03	0.326
PCB-128/166 ...-HxCB	36.88	C	0.9619	0.9617	-0.4	3.31E+06	1.26	0.93	83.3	3.38E+03	0.846
PCB-159 233'455'-HxCB	37.68		0.9838	0.9827	-2.5	1.38E+05	1.41	1.15	2.79	3.38E+03	0.681
PCB-162 233'4'55'-HxCB	37.97	J	0.9900	0.9901	+0.2	9.18E+04	1.37	1.08	1.99	3.38E+03	0.727
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.56E+03	0.347
PCB-179 22'33'566'-HpCB	33.90		1.0086	1.0087	+0.2	1.55E+06	1.05	0.93	34.5	1.56E+03	0.354
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.56E+03	0.342
PCB-176 22'33'466'-HpCB	34.65		1.0309	1.0311	+0.4	4.56E+05	0.99	1.04	9.01	1.56E+03	0.314
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.56E+03	0.331
PCB-178 22'33'55'6'-HpCB	36.20		1.0769	1.0773	+0.9	6.66E+05	0.96	0.72	19.1	1.56E+03	0.456
PCB-175 22'33'45'6'-HpCB	36.74		1.0929	1.0935	+1.3	1.25E+05	1.07	0.74	3.51	2.30E+03	0.656
PCB-187 22'34'55'6'-HpCB	36.97		1.0998	1.1001	+0.7	2.70E+06	0.99	0.80	70	2.30E+03	0.608
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.30E+03	0.593
PCB-183 22'344'5'6'-HpCB	37.50		1.1152	1.1158	+1.3	1.86E+06	1.05	0.82	47.1	2.30E+03	0.593
PCB-185 22'3455'6'-HpCB	37.57		1.1174	1.1181	+1.6	1.92E+05	0.95	0.78	5.11	2.30E+03	0.624
PCB-174 22'33'456'-HpCB	37.68		1.1207	1.1212	+1.1	2.54E+06	1.05	0.72	72.3	2.30E+03	0.668
PCB-177 22'33'45'6'-HpCB	38.05		1.1319	1.1323	+0.9	1.71E+06	1.05	0.62	56.9	2.30E+03	0.781
PCB-181 22'344'56'-HpCB	38.39	J	1.1422	1.1425	+0.7	3.62E+04	0.92	0.78	0.956	2.30E+03	0.619
PCB-171/173 ...-HpCB	38.59	C	1.1474	1.1483	+2.1	8.51E+05	0.98	0.67	26.3	2.30E+03	0.723
PCB-172 22'33'455'-HpCB	39.97		0.9042	0.9038	-1.0	4.80E+05	0.97	0.71	13.8	2.30E+03	0.708
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.30E+03	0.512
PCB-180/193 ...-HpCB	40.52	C	0.9160	0.9164	+1.0	6.62E+06	1.05	0.82	164	2.30E+03	0.607
PCB-191 233'44'5'6'-HpCB	40.82		0.9234	0.9231	-0.7	1.49E+05	1.16	0.99	3.05	2.30E+03	0.506
PCB-170 22'33'44'5'-HpCB	41.58		0.9406	0.9403	-0.7	2.61E+06	1.06	0.67	78.3	2.30E+03	0.74
PCB-190 233'44'56'-HpCB	42.03		0.9509	0.9506	-0.8	6.49E+05	1.17	0.88	14.9	2.30E+03	0.564
PCB-202 22'33'55'66'-OoCB	38.16		1.0006	1.0006	0	4.22E+05	0.96	0.86	11.7	2.61E+03	0.727
PCB-201 22'33'45'66'-OoCB	38.94	EMPC	1.0211	1.0210	-0.2	2.05E+05	1.12	1.05	4.65	2.61E+03	0.592
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.61E+03	0.662
PCB-197 22'33'44'66'-OoCB	39.71	J	1.0412	1.0411	-0.2	3.22E+04	0.78	1.07	0.719	2.61E+03	0.583
PCB-200 22'33'4566'-OoCB	39.81		1.0433	1.0437	+1.0	9.56E+04	0.80	0.97	2.34	2.61E+03	0.64
PCB-198/199 ...-OoCB	42.18	C	1.1049	1.1059	+2.5	1.35E+06	0.95	0.62	52	2.61E+03	1
PCB-196 22'33'44'56'-OoCB	42.74		1.1201	1.1206	+1.3	5.80E+05	0.93	0.63	22	2.61E+03	0.991
PCB-203 22'344'55'6'-OoCB	42.91		1.1245	1.1251	+1.5	8.84E+05	1.00	0.68	31.3	2.61E+03	0.924
PCB-195 22'33'44'56'-OoCB	44.03		0.9489	0.9485	-1.1	3.89E+05	0.87	0.87	17.3	2.84E+03	1.3
PCB-194 22'33'44'55'-OoCB	46.03		0.9917	0.9917	0	9.60E+05	0.85	0.84	44.6	2.84E+03	1.35
PCB-205 233'44'55'6'-OoCB	46.43	J EMPC	1.0004	1.0003	-0.3	6.30E+04	1.05	1.20	2.04	2.84E+03	0.943
PCB-208 22'33'455'66'-NoCB	43.83		1.0005	1.0005	0	2.64E+05	0.68	1.01	7.81	3.86E+03	1.18
PCB-207 22'33'44'566'-NoCB	44.62		1.0186	1.0186	0	9.44E+04	0.66	1.00	2.8	3.86E+03	1.19
PCB-206 22'33'44'55'6'-NoCB	47.94		1.0004	1.0004	0	5.38E+05	0.75	0.95	28.4	3.86E+03	2.24

AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
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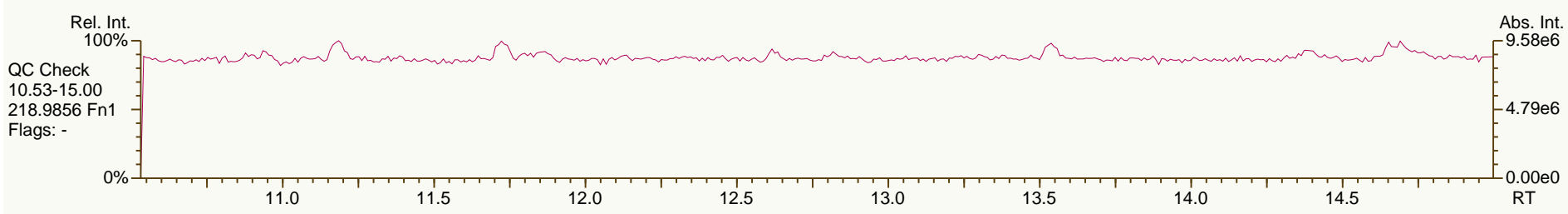
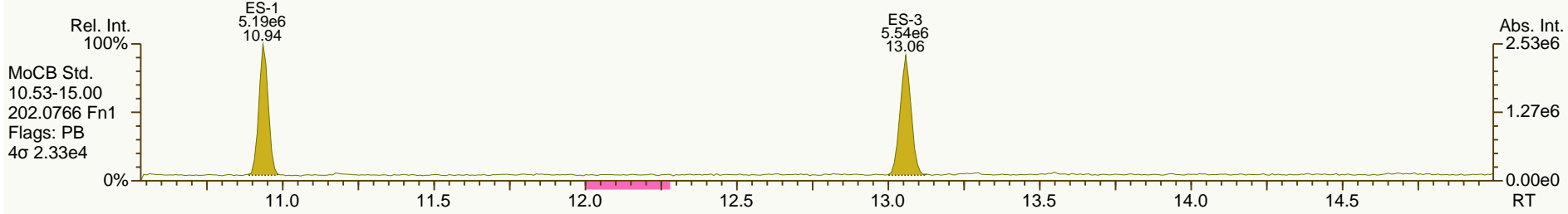
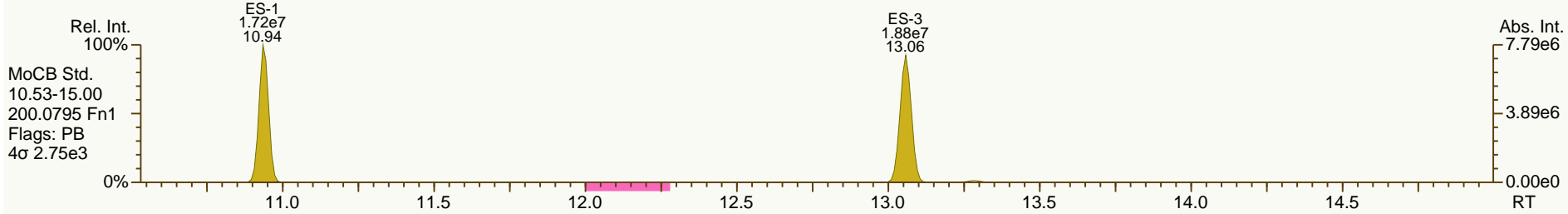
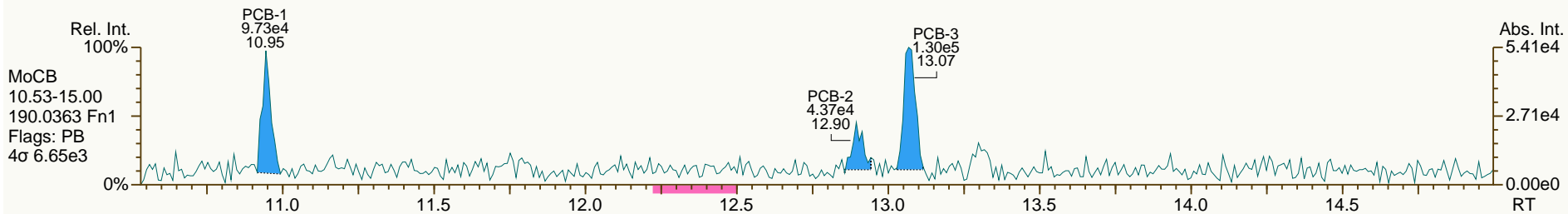
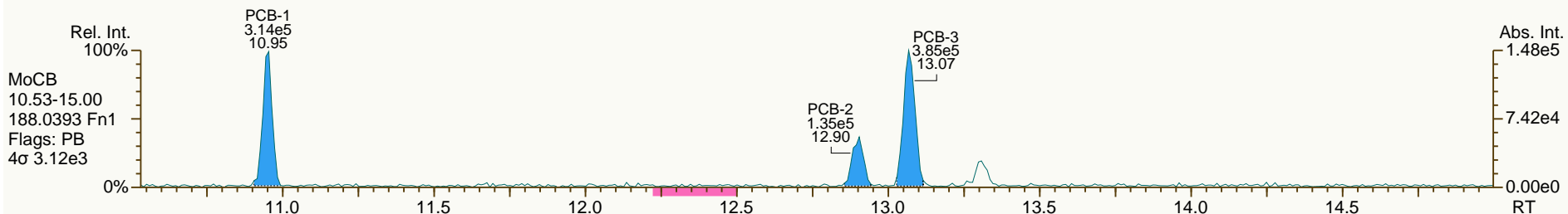
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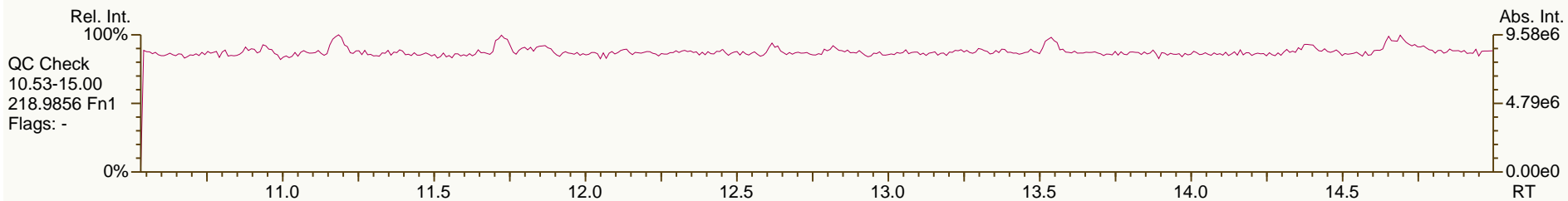
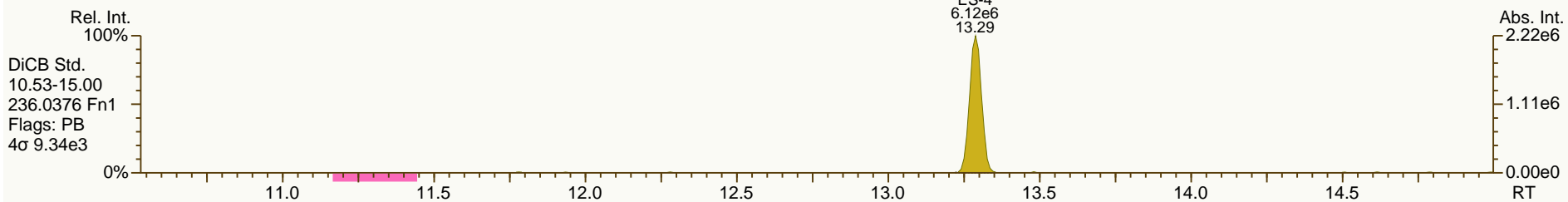
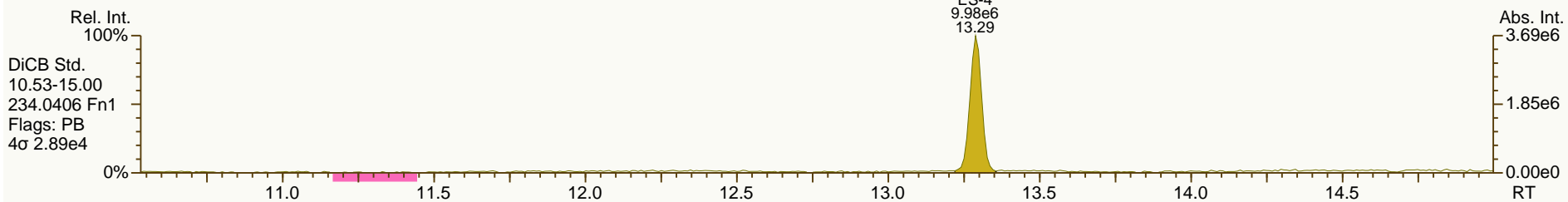
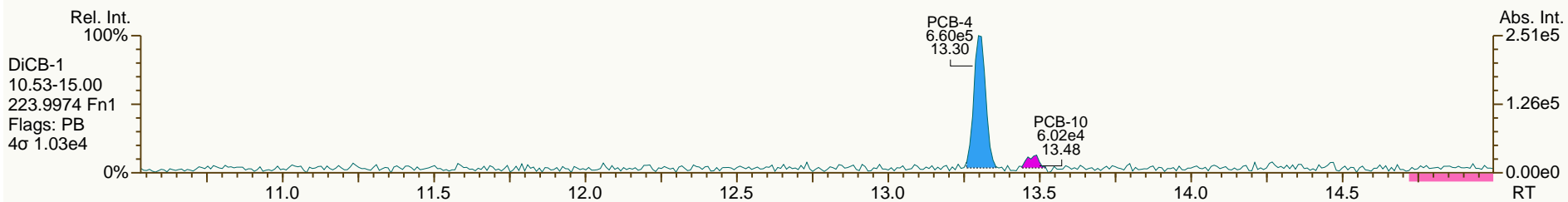
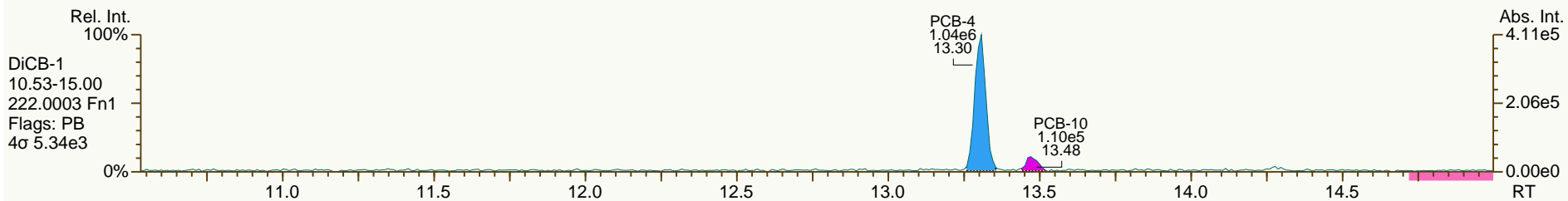
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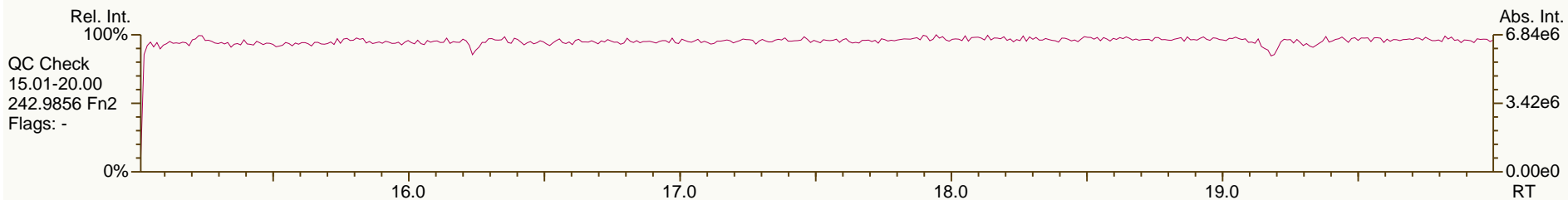
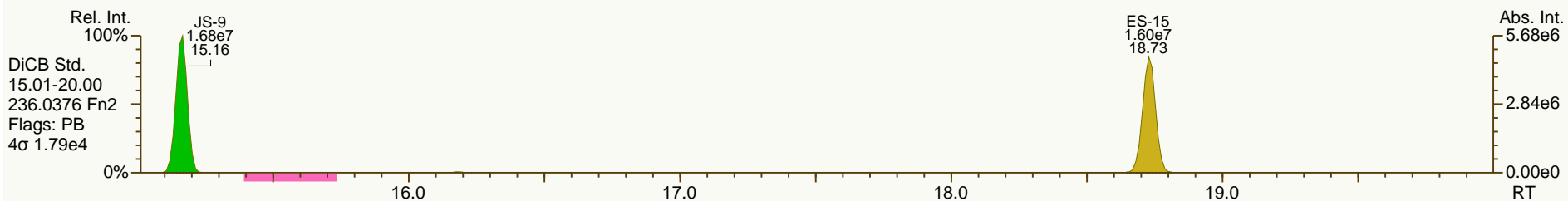
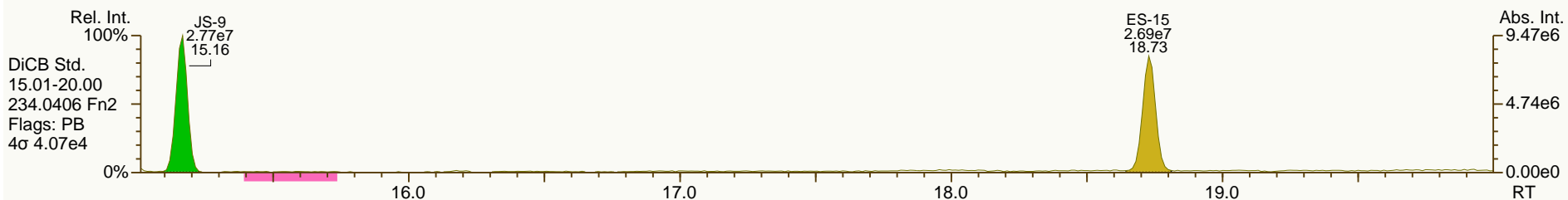
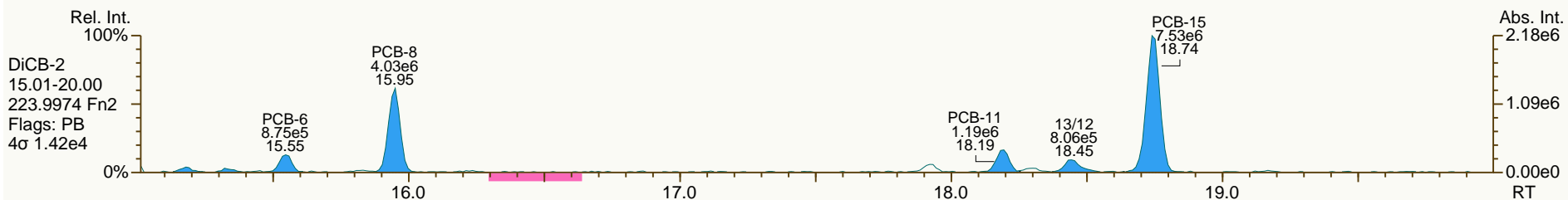
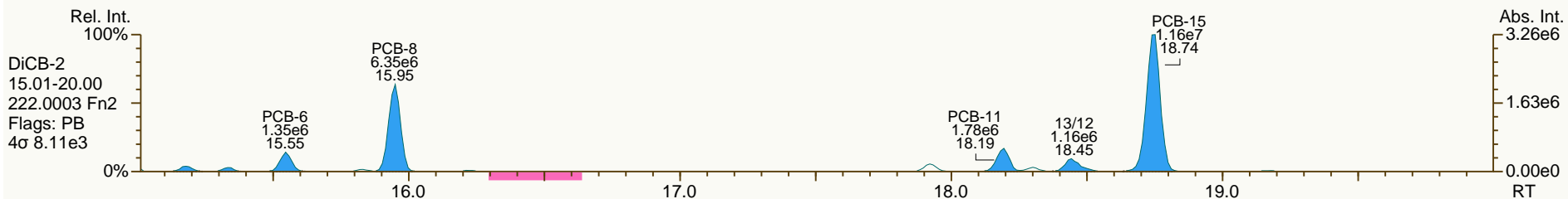
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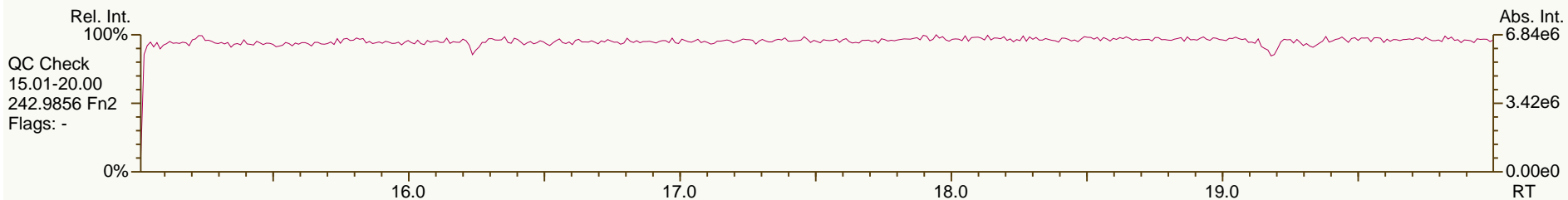
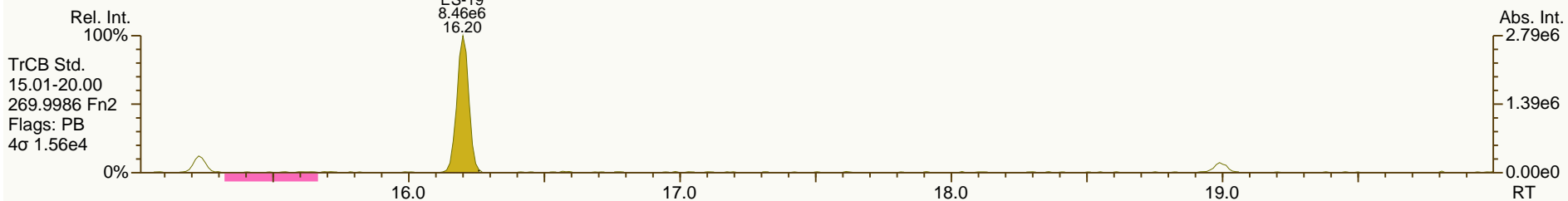
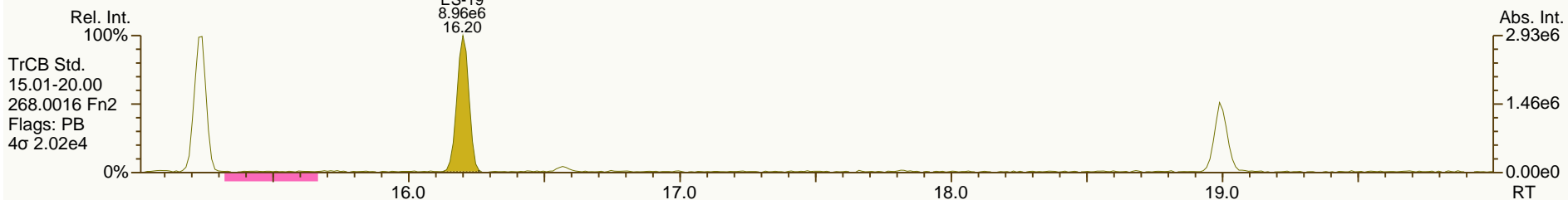
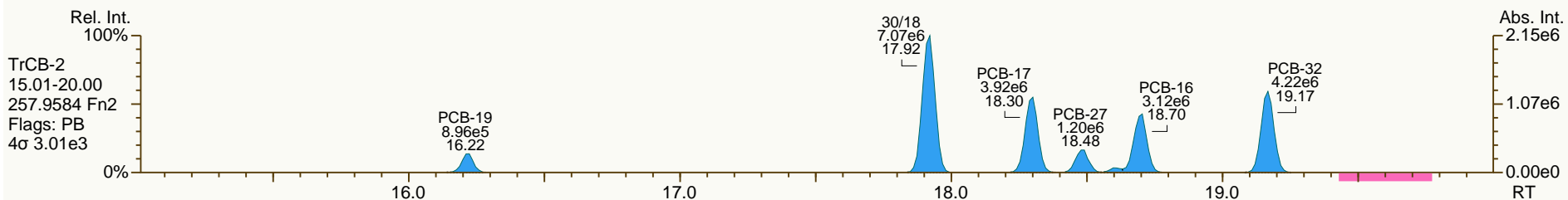
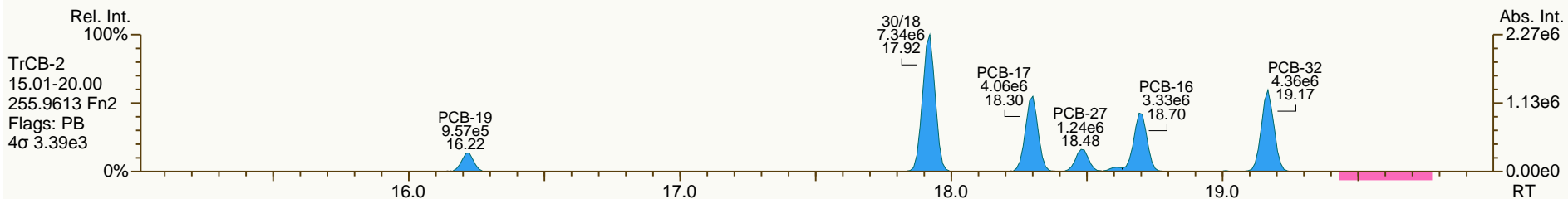
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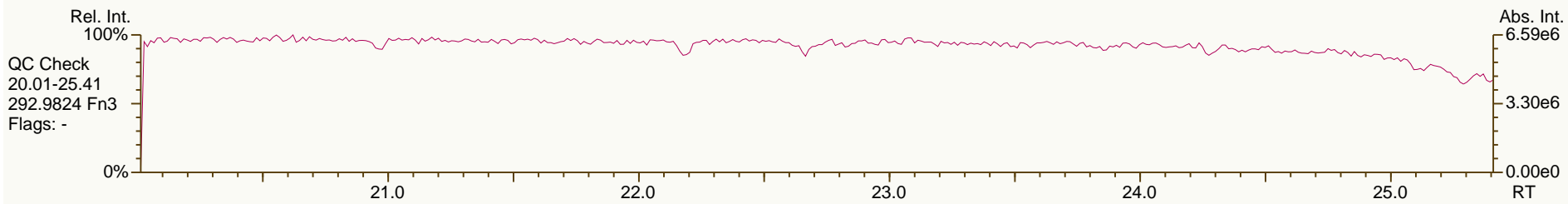
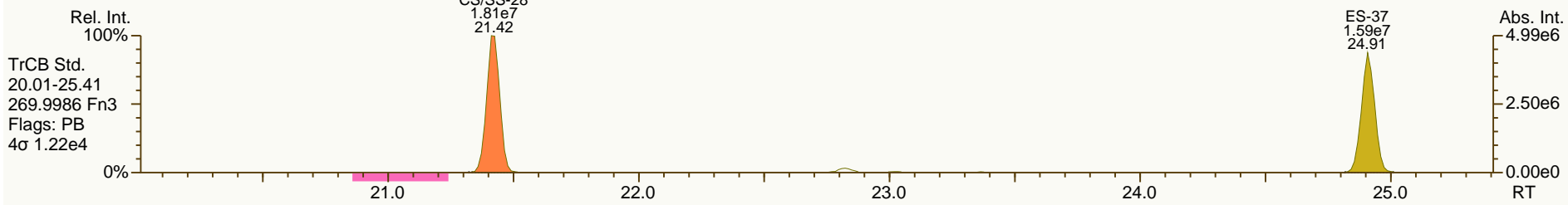
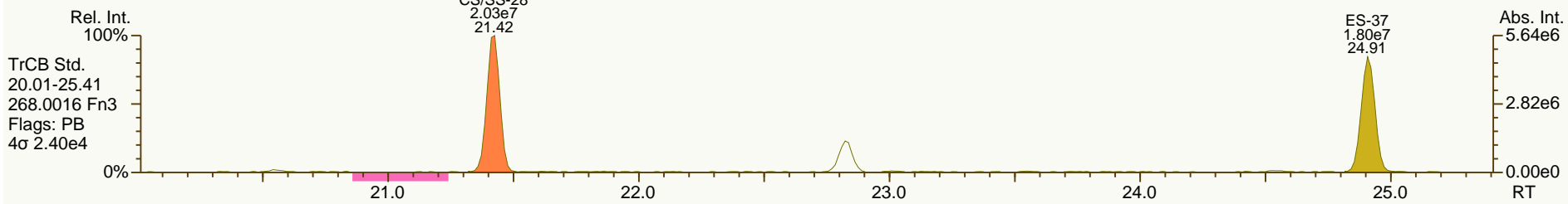
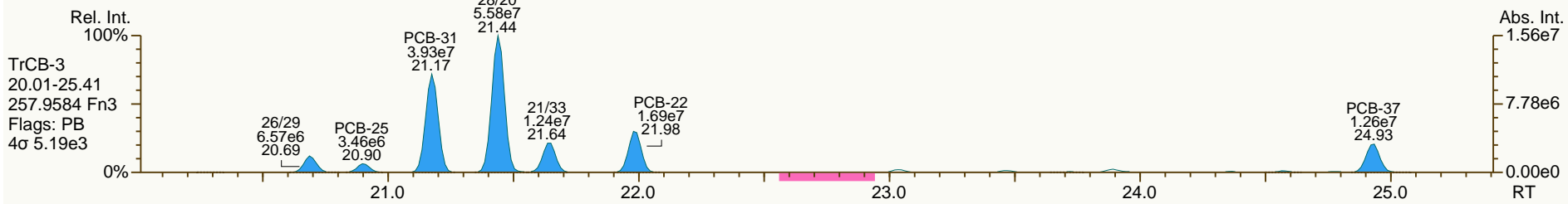
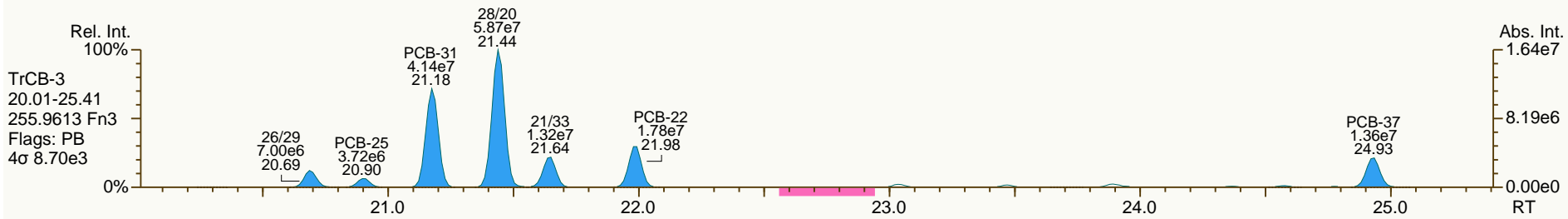
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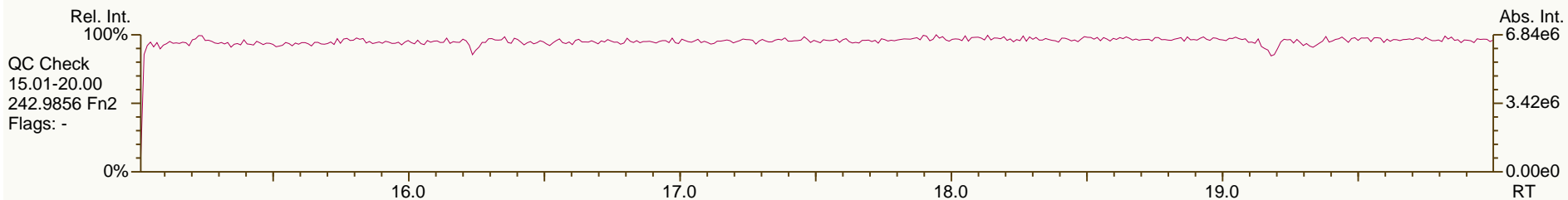
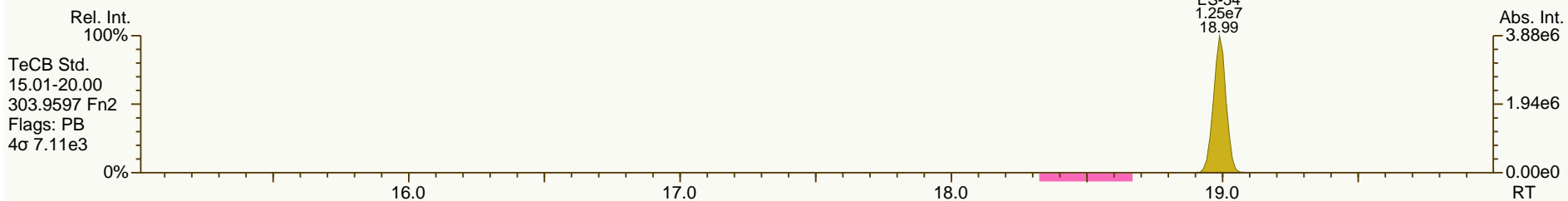
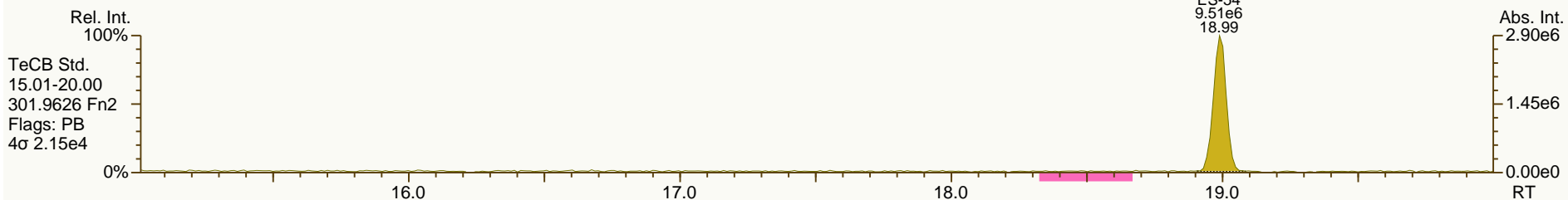
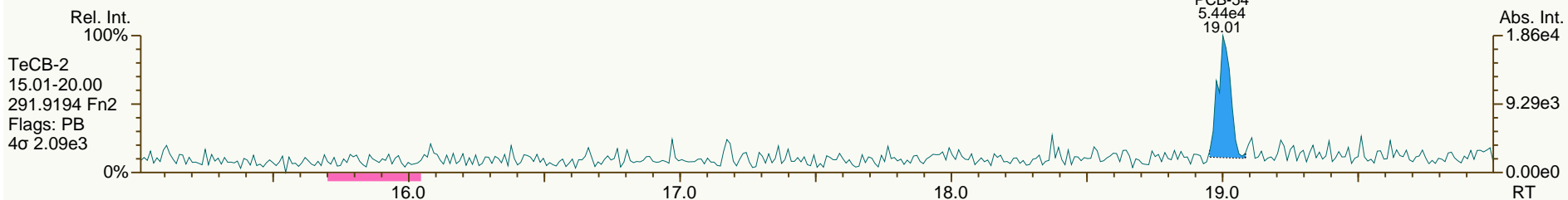
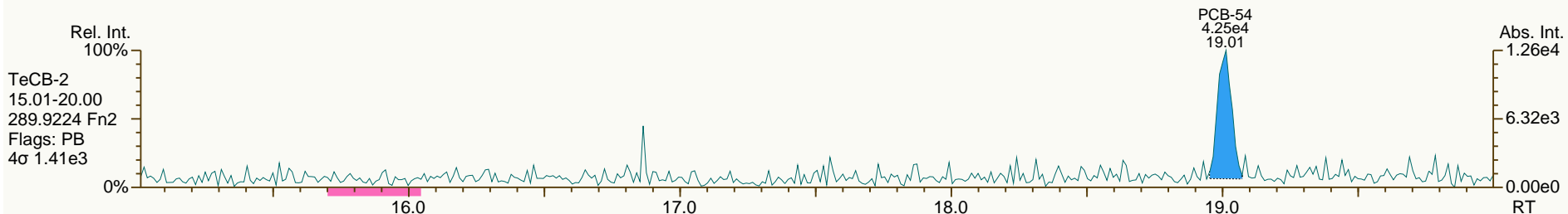
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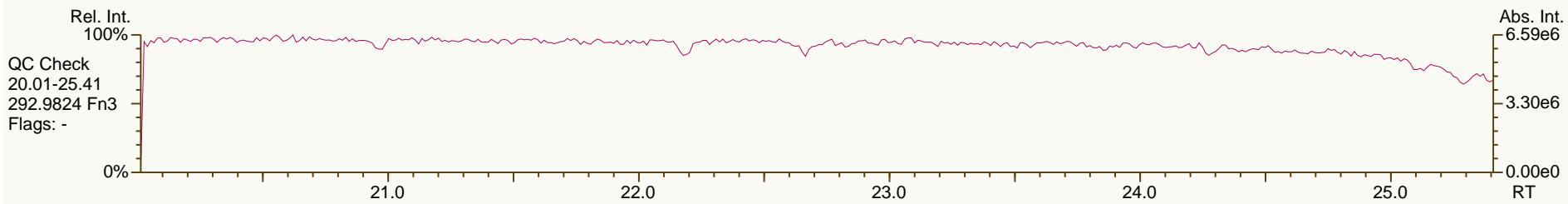
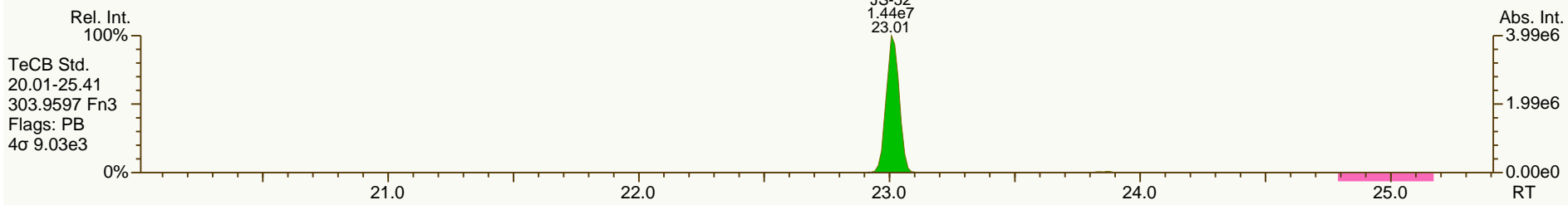
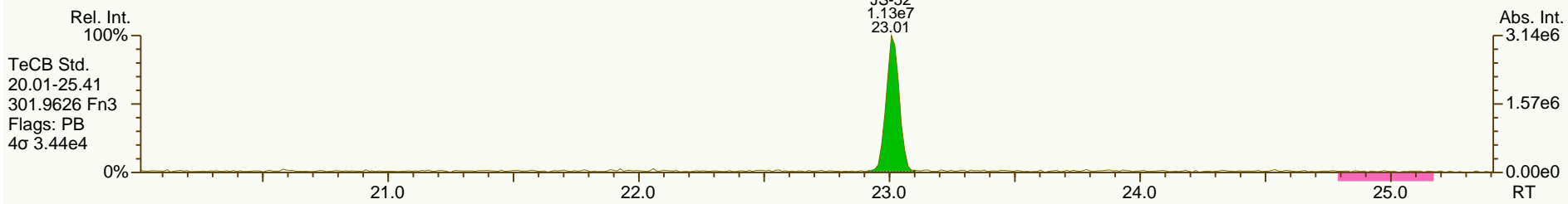
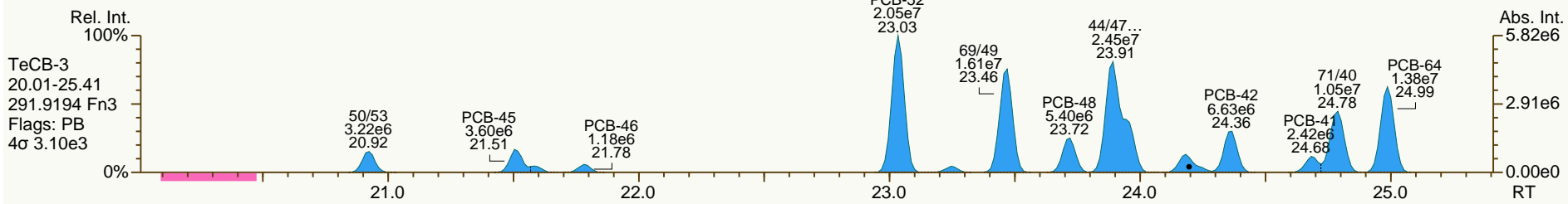
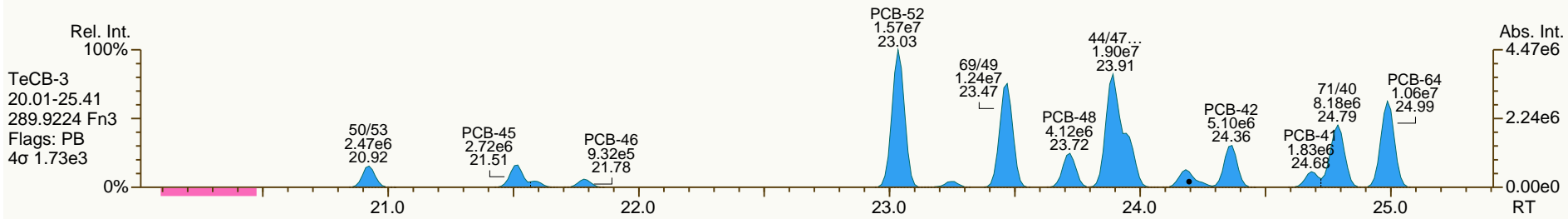
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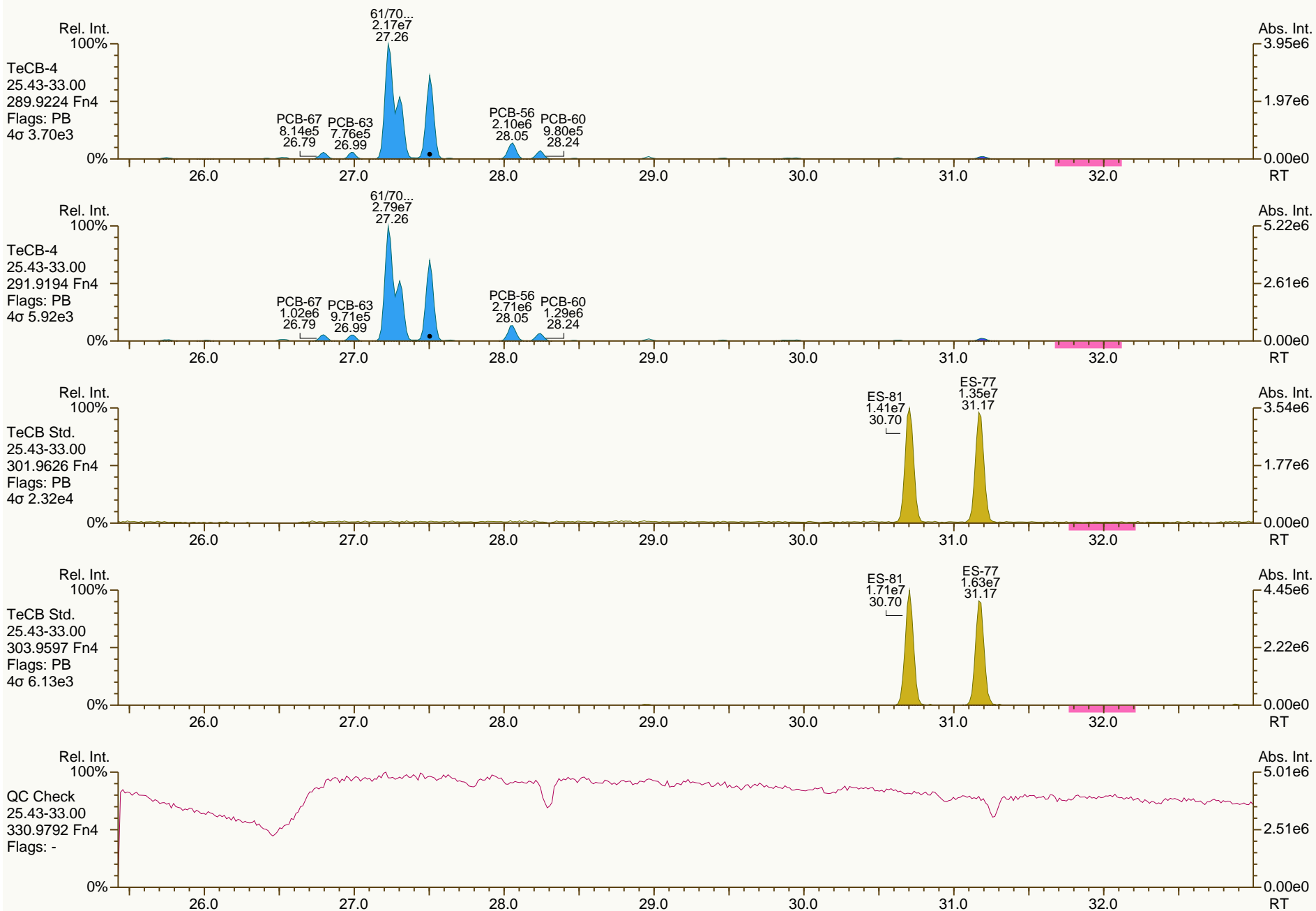
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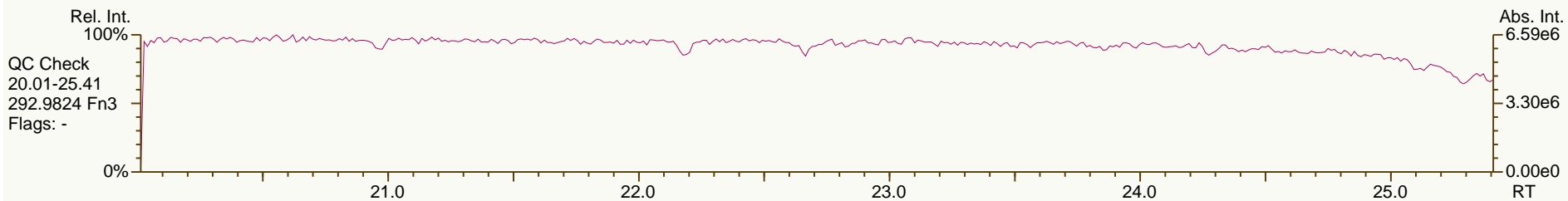
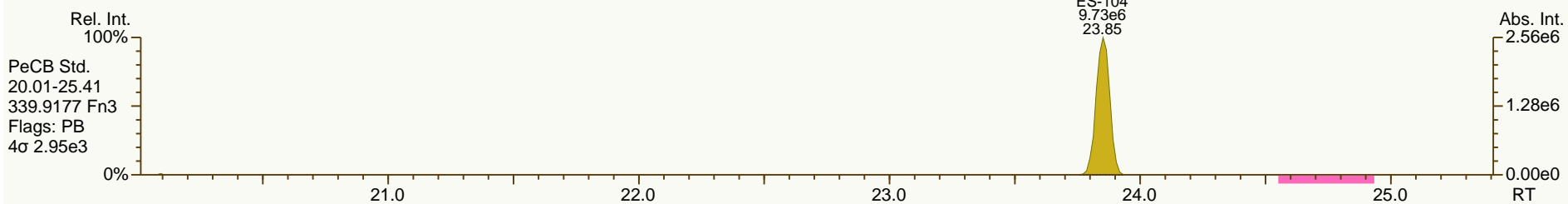
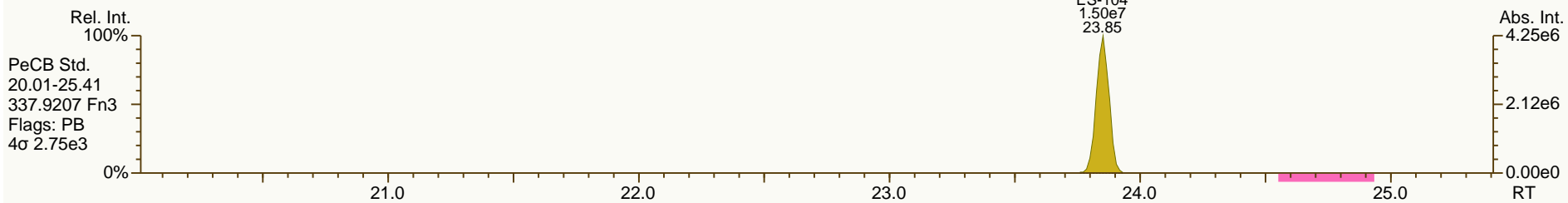
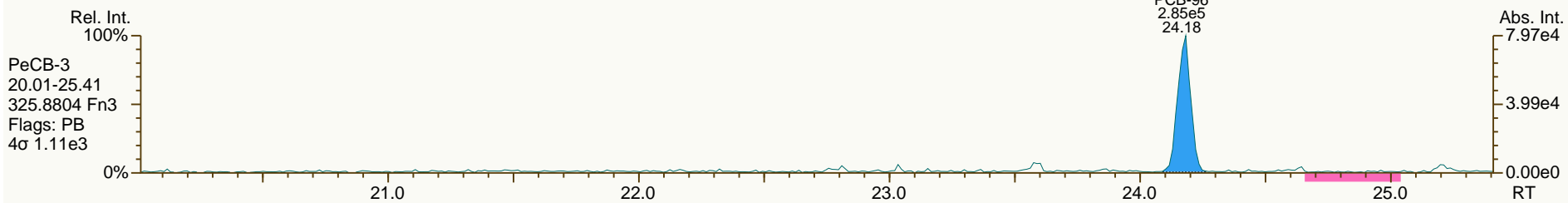
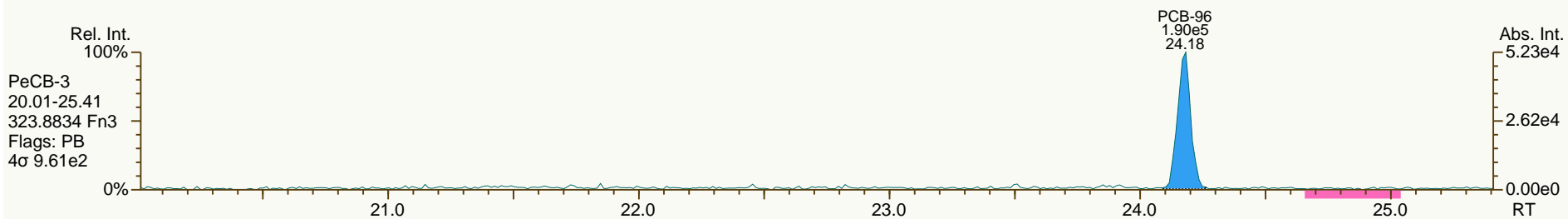
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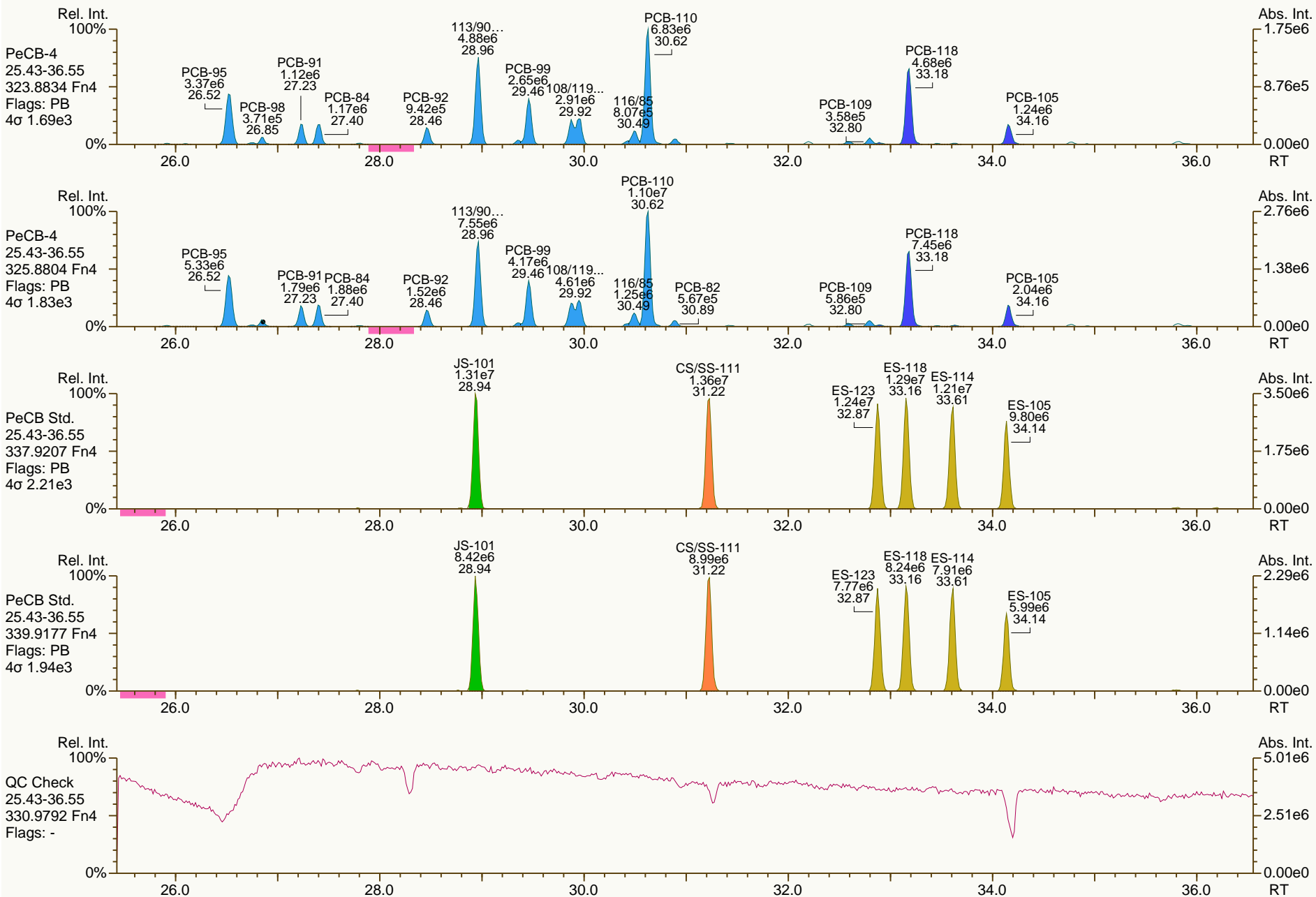
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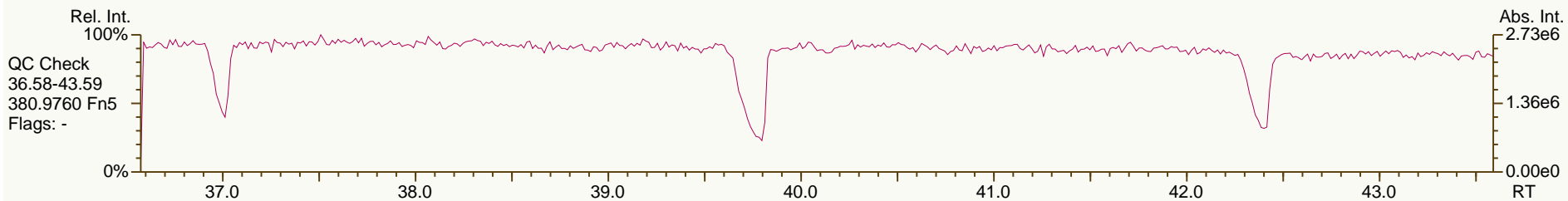
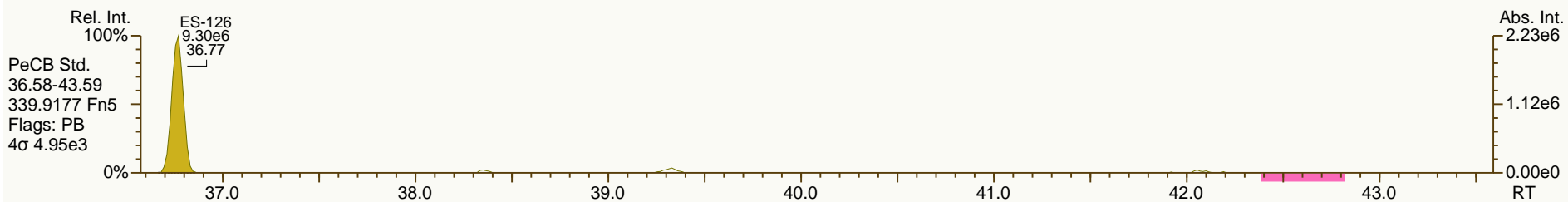
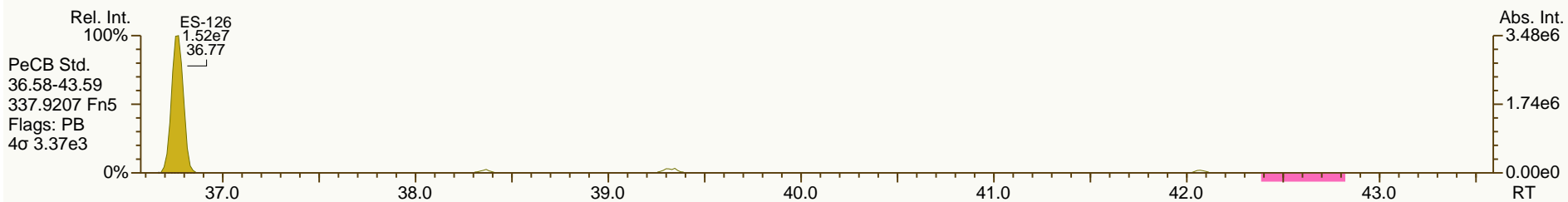
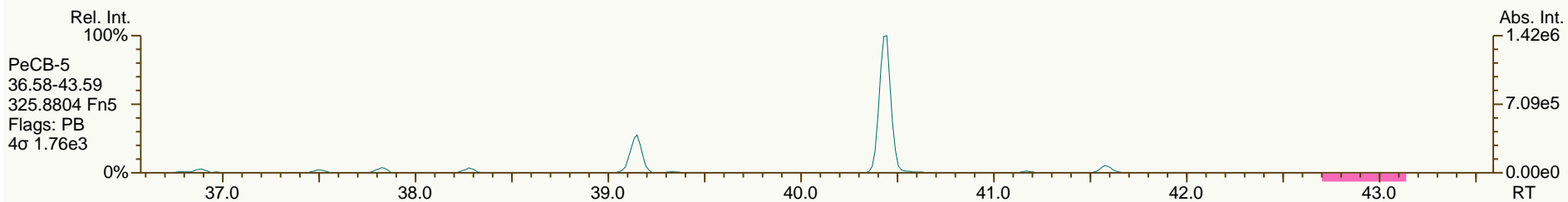
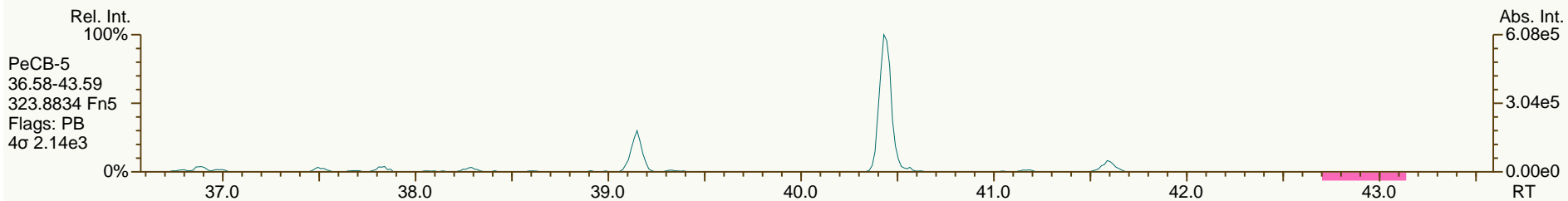
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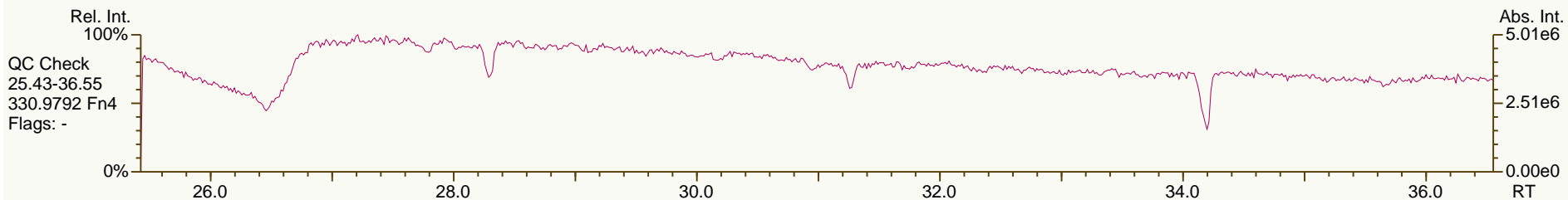
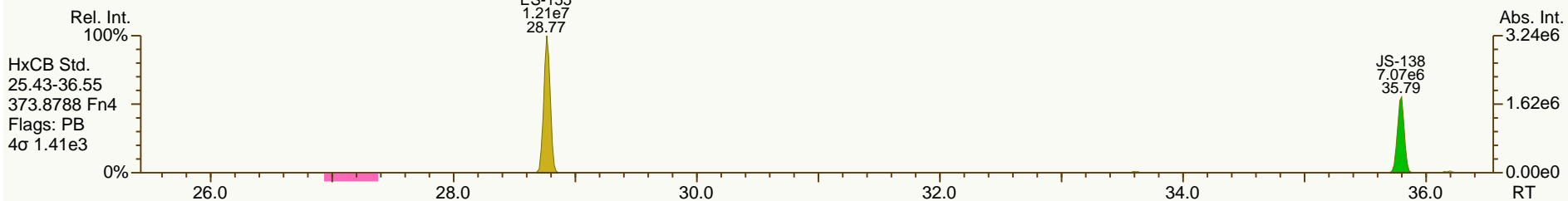
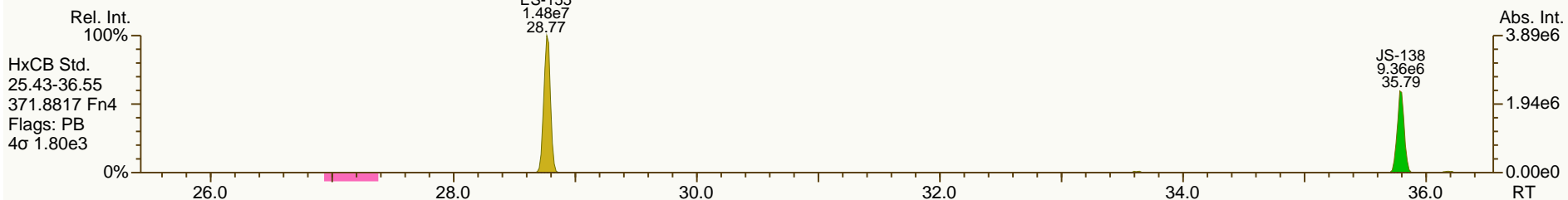
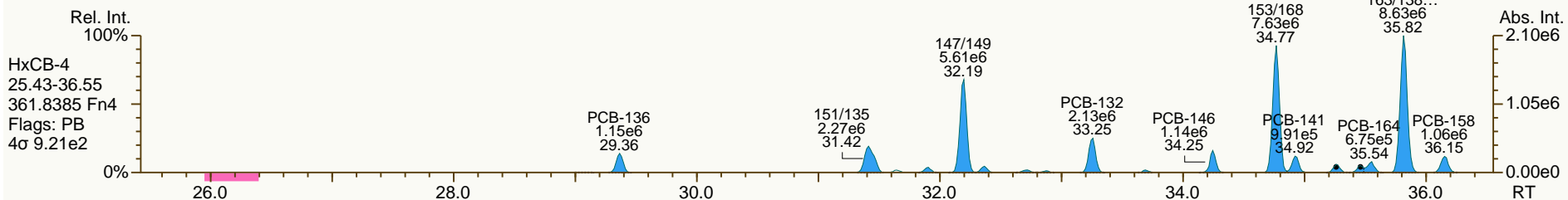
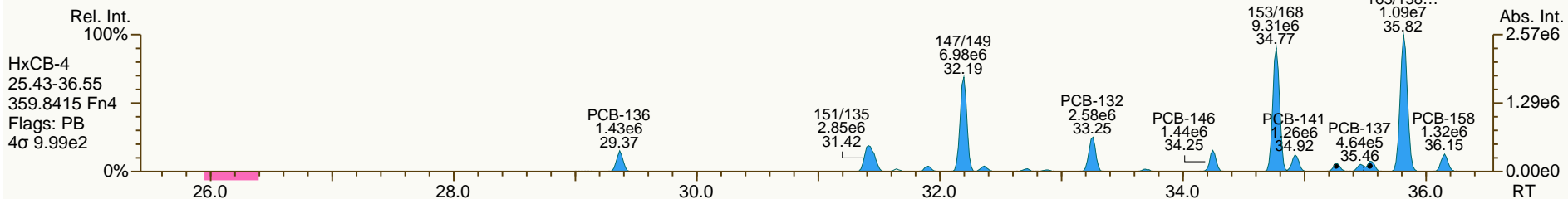
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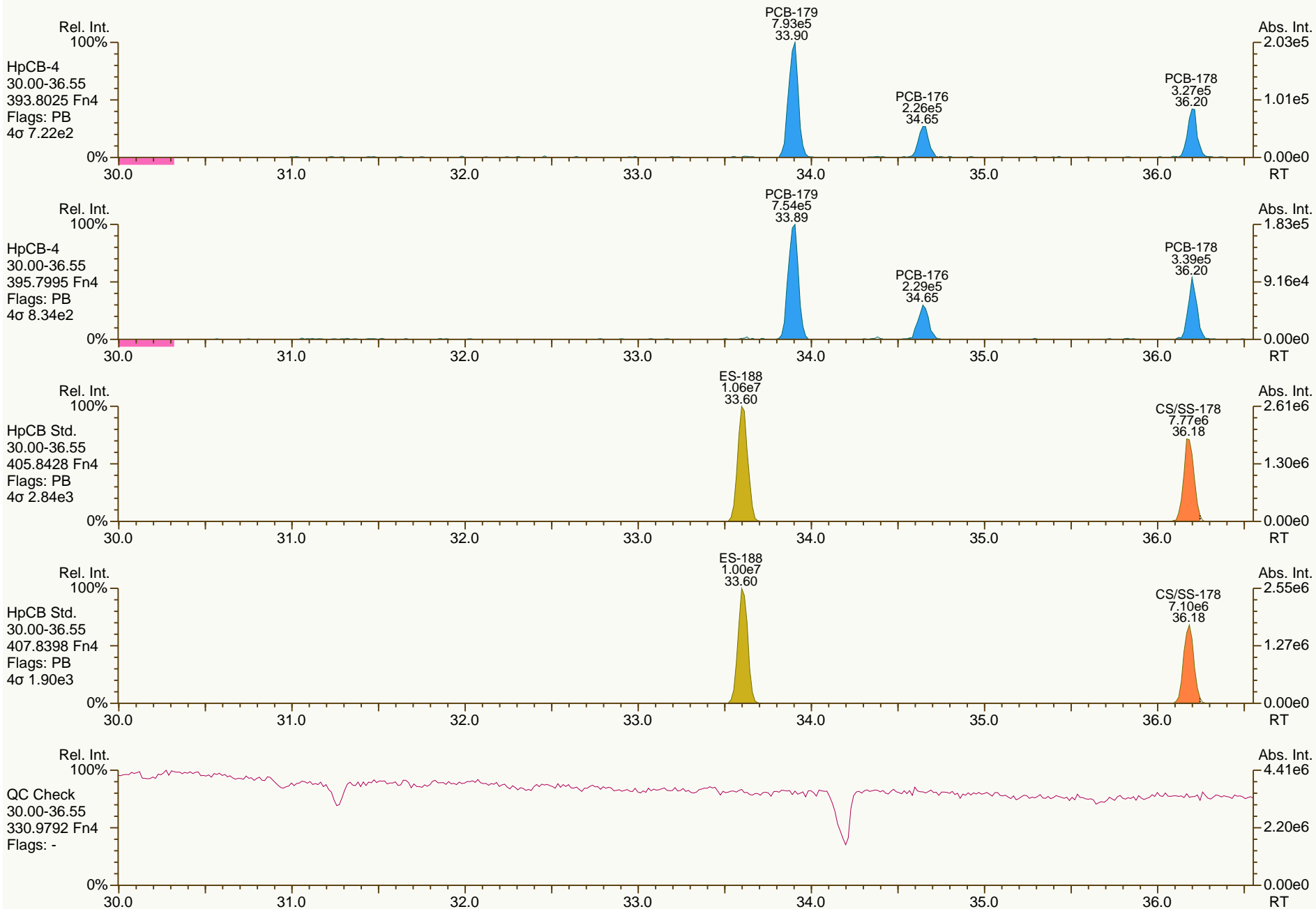
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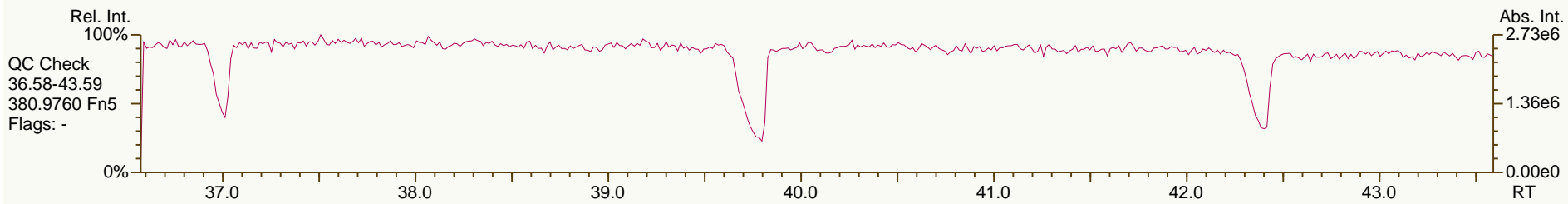
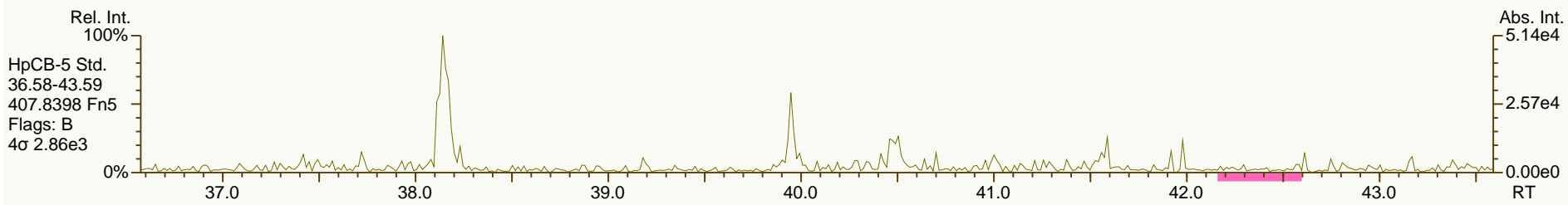
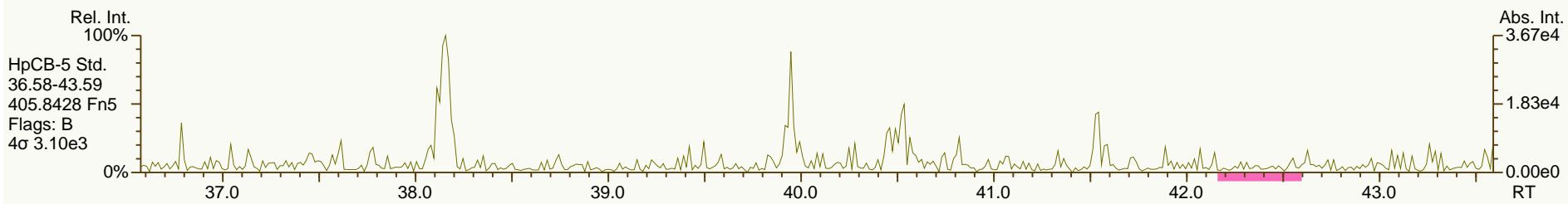
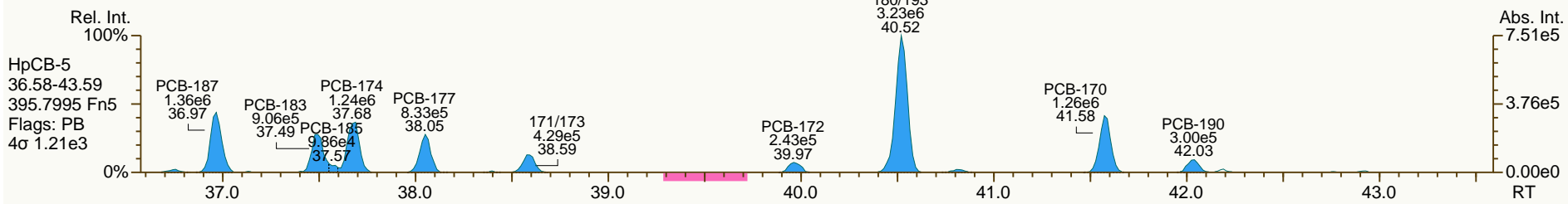
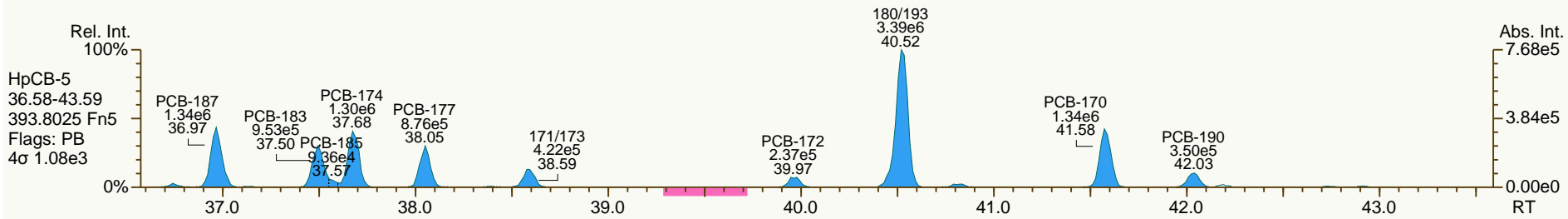
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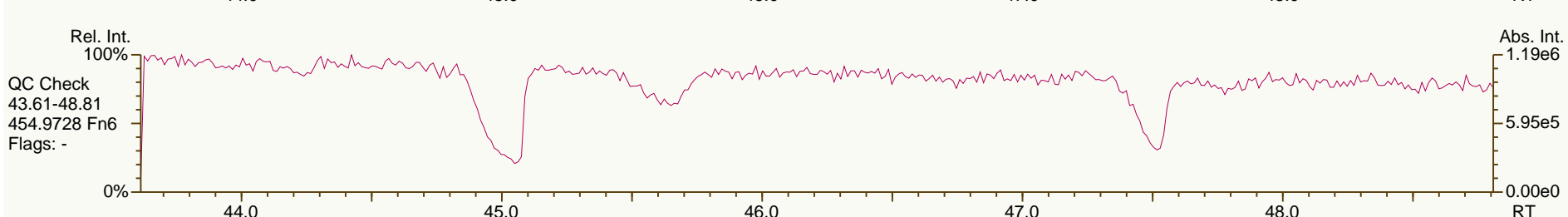
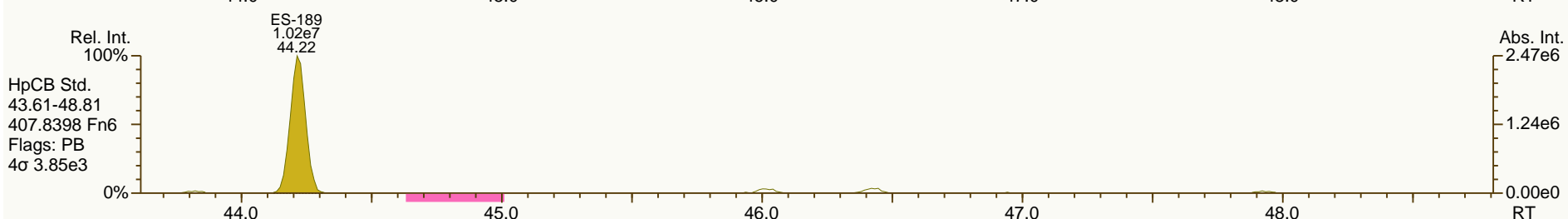
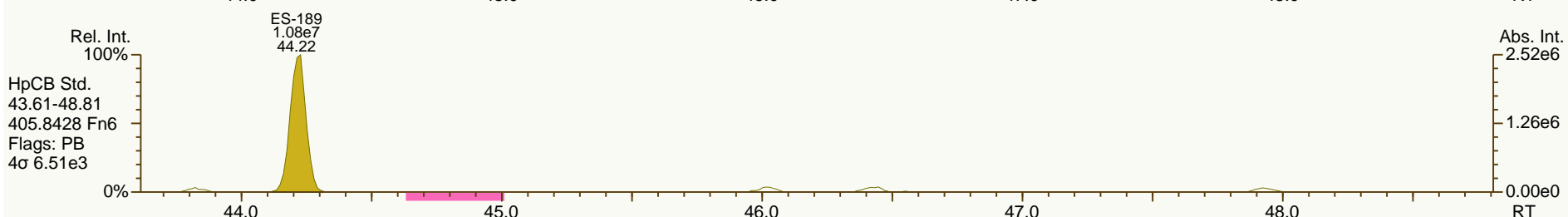
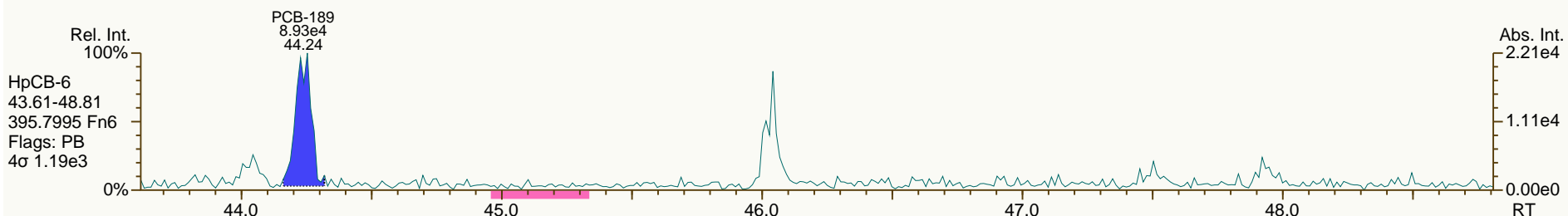
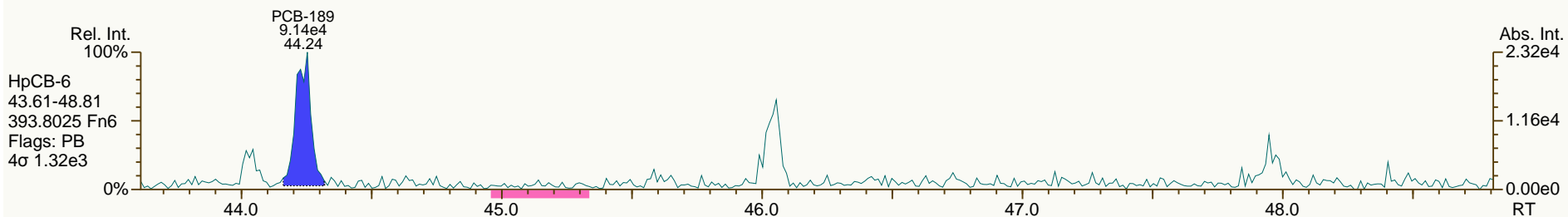
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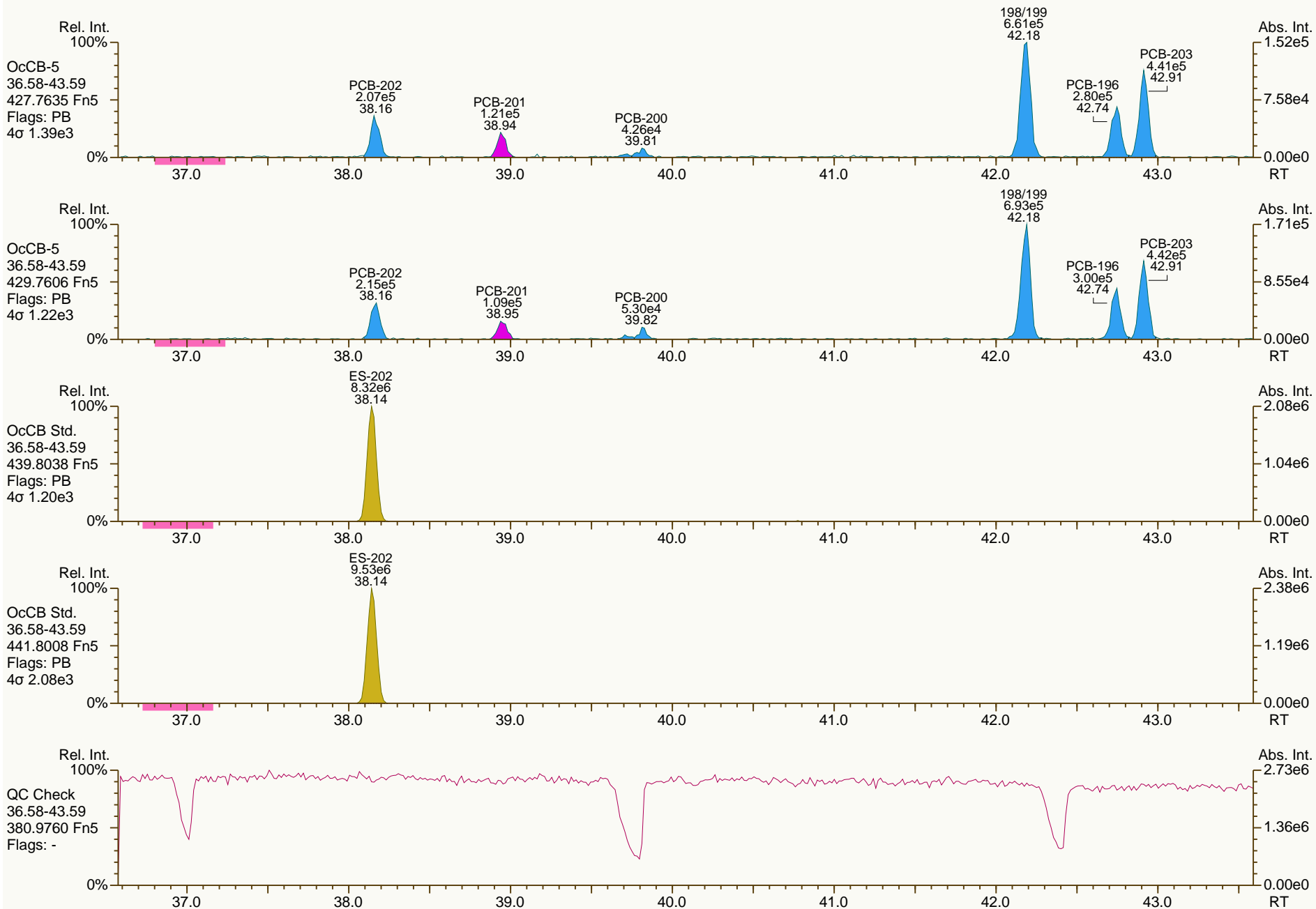
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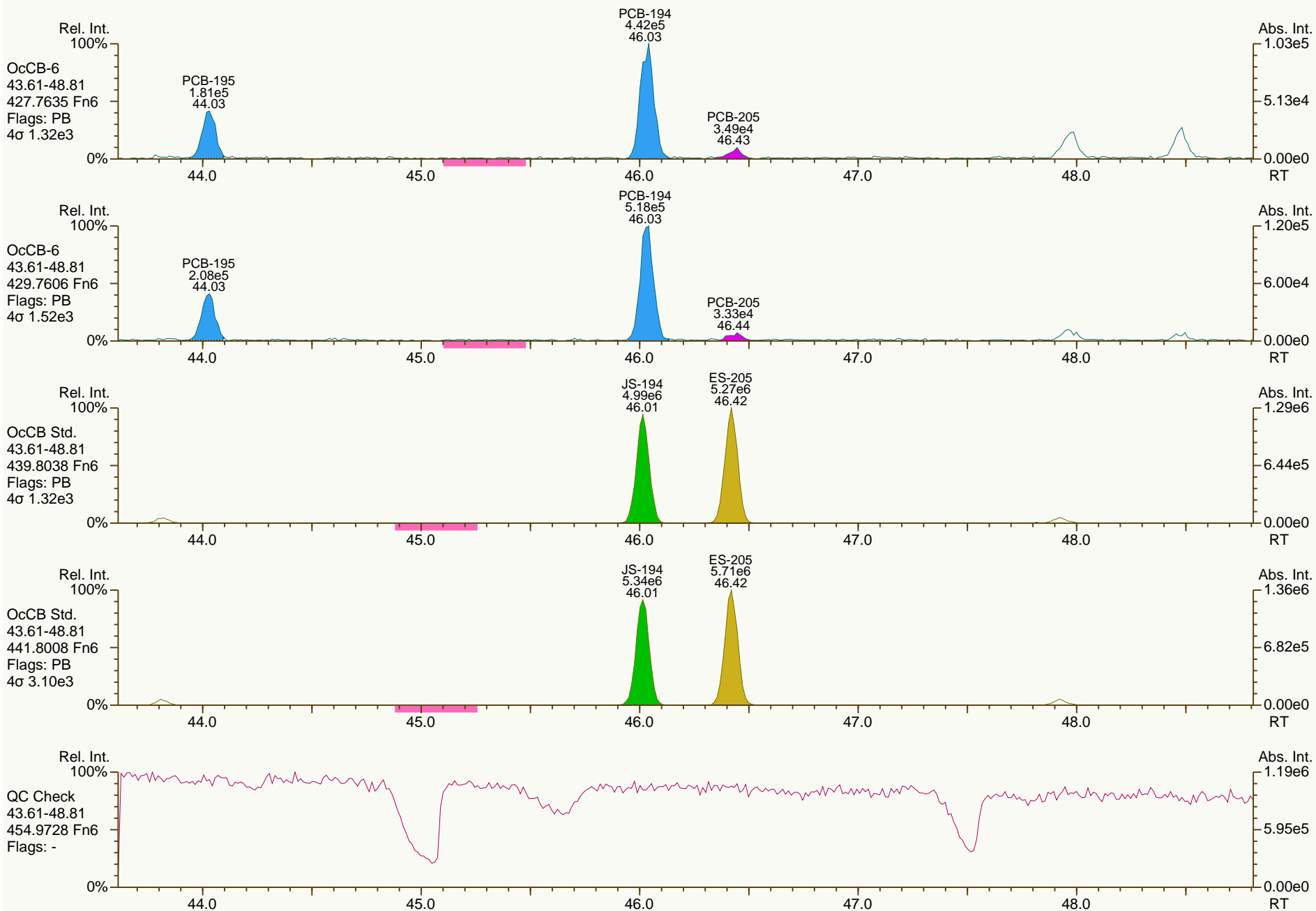
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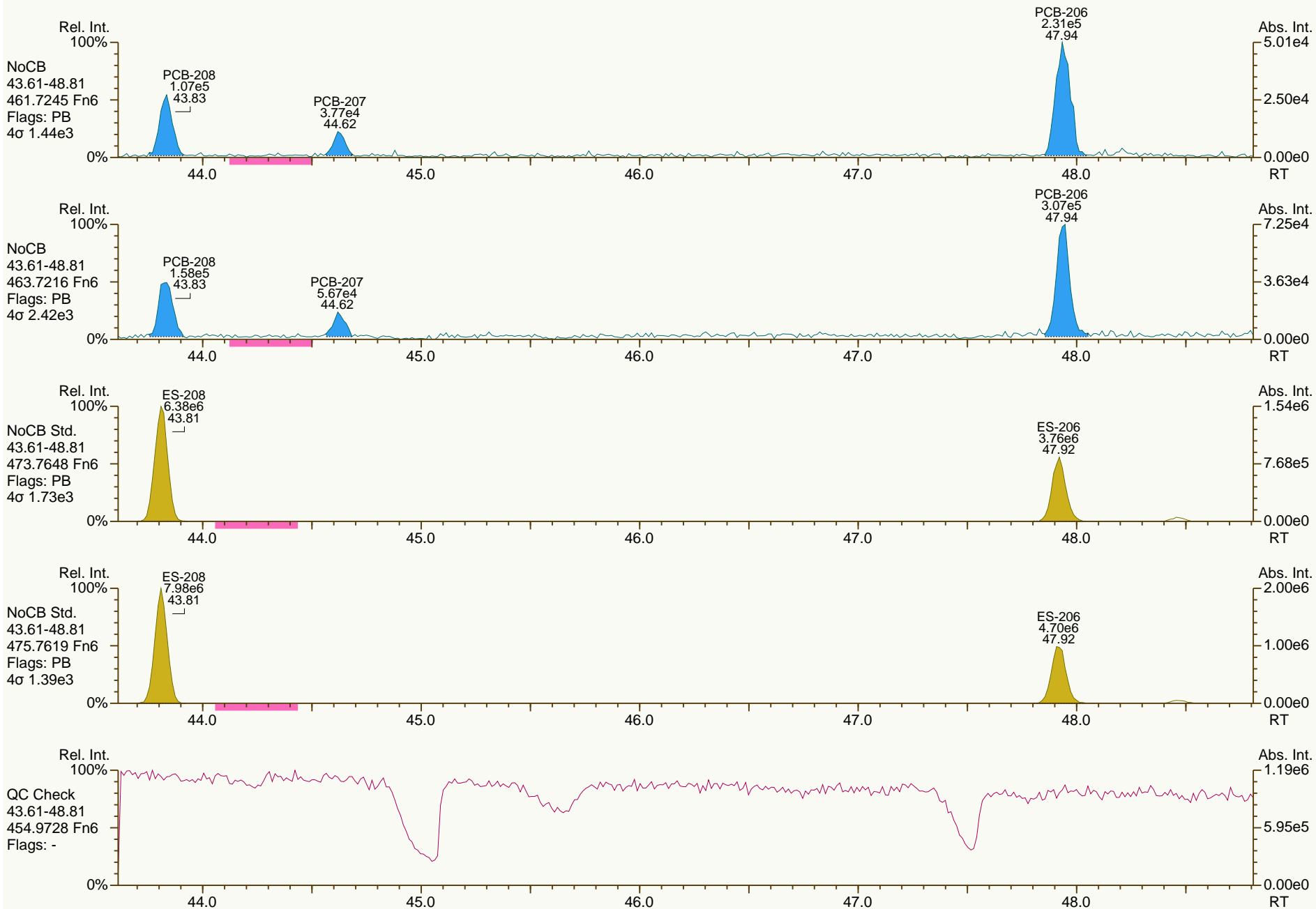
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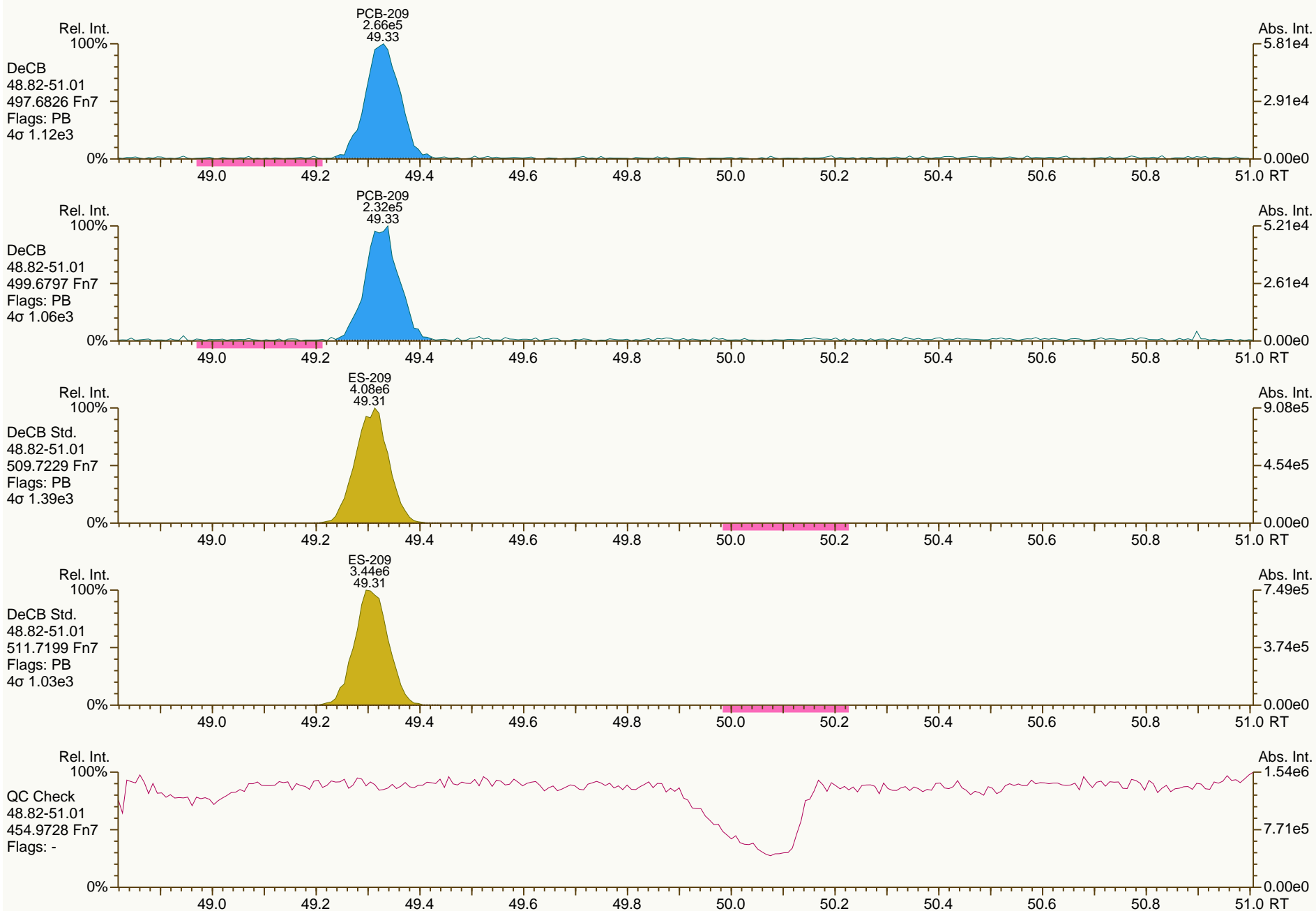
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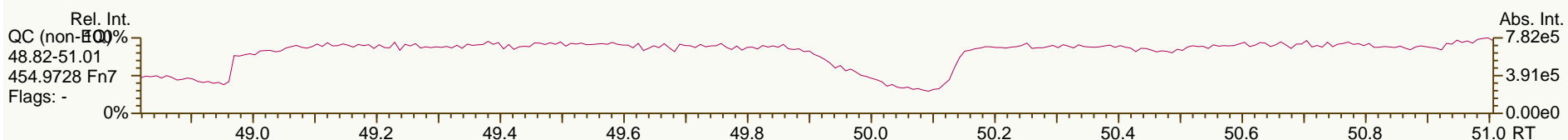
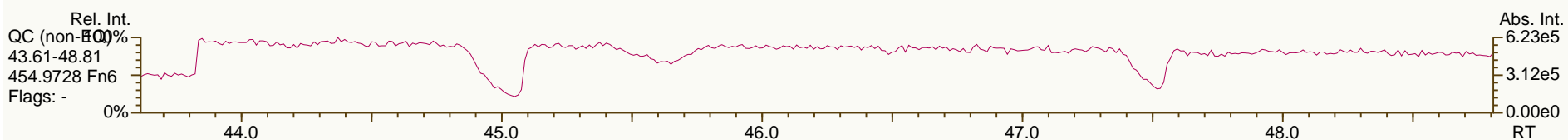
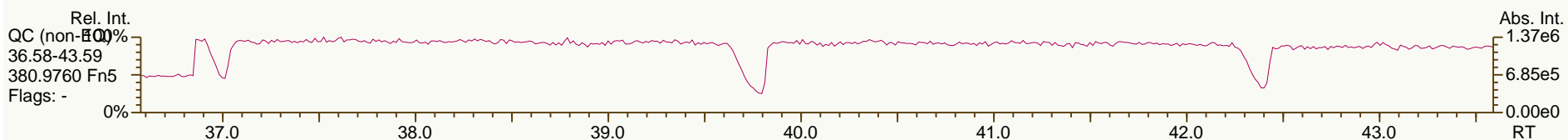
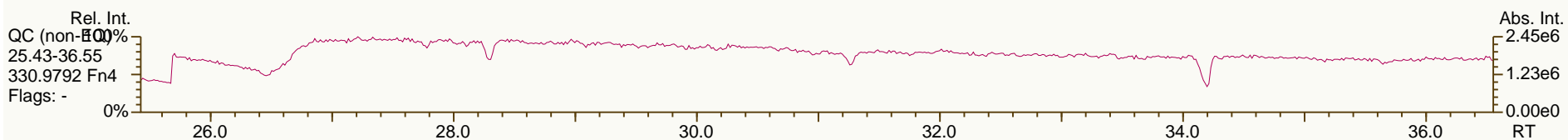
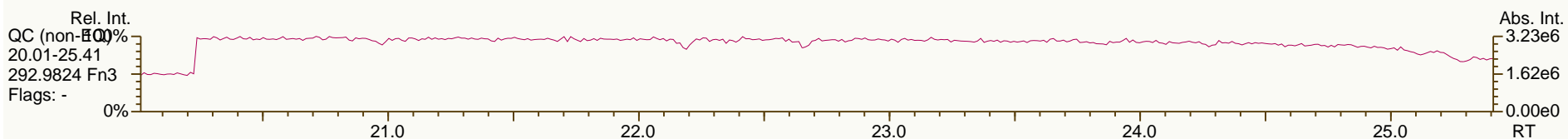
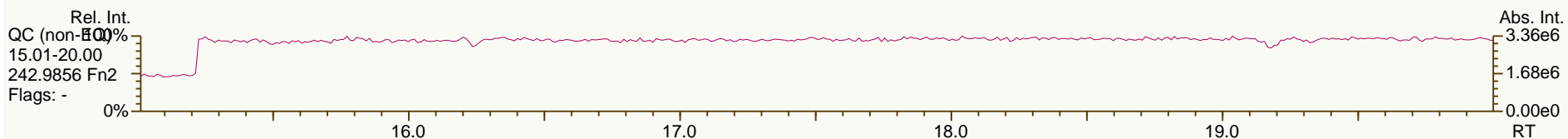
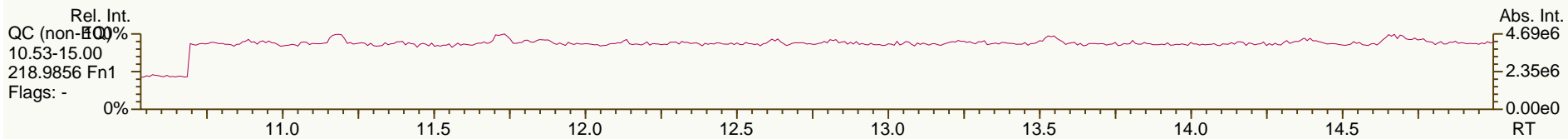
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 User: CEM Datafile: 120703V27



AP Lab ID: A4373_9894_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA01-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 57

Acq: 04-Jul-2012 04:12:49
 User: CEM Datafile: 120703V27



Lab ID: A4373_9894_PCB_008

ACQ: 04-Jul-2012 05:07:13 CEM

Wt/Vol: 7.11 g

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: JW-EA05-COMP-120509

UTP: 04-Jul-2012 15:15 CEM

J-level: 1.41 pg/g Split: 1

Checkcode: 627-948-LVF

Datafile: 120703V28

RPT: 04-Jul-2012 15:56 CM

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17	EMPC	1.0007	1.0008	+0.2	2.17E+05	0.98	1.11	1.62	8.26E+03	0.624
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	8.26E+03	0.62
PCB-105 233'44'-PeCB	34.13		1.0007	1.0007	0	6.27E+05	0.65	1.05	9.2	2.76E+03	0.402
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.15	ND	2.76E+03	0.288
PCB-118 23'44'5'-PeCB	33.14		1.0008	1.0007	-0.2	2.05E+06	0.61	1.04	23.7	2.76E+03	0.319
PCB-123 23'44'5'-PeCB	32.87	J EMPC	1.0006	1.0009	+0.6	3.38E+04	0.77	1.01	0.423	2.76E+03	0.338
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	2.34E+03	0.223
PCB-156/157 ...-HxCB	39.28	J EMPC C	1.0005	1.0002	-0.7	2.28E+05	1.50	1.16	2.72	2.04E+03	0.32
PCB-167 23'44'55'-HxCB	38.32	J	1.0006	1.0004	-0.5	9.50E+04	1.32	1.24	1.03	2.04E+03	0.221
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	2.04E+03	0.311
PCB-189 233'44'55'-HpCB	44.17	EMPC	1.0004	1.0002	-0.5	1.90E+04	1.20	1.05	0.221	2.02E+03	0.243
PCB-209 DeCB	49.27		1.0004	1.0004	0	9.32E+04	1.08	1.09	2.31	2.52E+03	0.696
ES PCB-1	10.93		0.7216	0.7214	-0.1	1.93E+07	3.28	1.02	57.5 %	4%	100%
ES PCB-3	13.05		0.8614	0.8612	-0.2	2.01E+07	3.41	1.02	59.9 %	11%	106%
ES PCB-4	13.28		0.8767	0.8765	-0.2	1.32E+07	1.62	0.68	58.7 %	14%	107%
ES PCB-15	18.72		1.2346	1.2352	+0.7	3.08E+07	1.71	1.06	88.3 %	19%	107%
ES PCB-19	16.19		1.0683	1.0685	+0.2	1.38E+07	1.07	0.49	84.8 %	1%	108%
ES PCB-37	24.90		1.0817	1.0824	+1.0	2.96E+07	1.13	1.51	99.8 %	25%	123%
ES PCB-54	18.98		0.8258	0.8252	-0.7	1.71E+07	0.78	1.37	63.5 %	13%	105%
ES PCB-77	31.14	V	1.3528	1.3541	+2.4	3.41E+07	0.86	1.17	148 %	31%	109%
ES PCB-81	30.68	V	1.3325	1.3338	+2.4	3.31E+07	0.88	1.13	149 %	14%	127%
ES PCB-104	23.84		0.8252	0.8243	-1.3	1.99E+07	1.49	1.90	51.9 %	36%	115%
ES PCB-105	34.10		1.1796	1.1794	-0.4	1.82E+07	1.55	1.15	78.6 %	50%	111%
ES PCB-114	33.57		1.1611	1.1609	-0.4	2.28E+07	1.57	1.22	92.7 %	41%	121%
ES PCB-118	33.12		1.1454	1.1453	-0.2	2.34E+07	1.59	1.24	93.2 %	49%	111%
ES PCB-123	32.84		1.1358	1.1356	-0.4	2.23E+07	1.53	1.29	85.8 %	49%	116%
ES PCB-126	36.72		1.2698	1.2698	0	2.79E+07	1.64	1.40	99.2 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.75		0.8040	0.8042	+0.3	2.42E+07	1.29	1.45	104 %	25%	124%
ES PCB-156/157	39.27	V	1.0982	1.0985	+0.7	4.06E+07	1.27	0.94	133 %	40%	120%
ES PCB-167	38.30	V	1.0711	1.0713	+0.5	2.09E+07	1.27	0.93	139 %	45%	118%
ES PCB-169	42.02		1.1746	1.1753	+1.8	1.60E+07	1.24	0.88	113 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.57		0.7312	0.7305	-1.4	2.28E+07	1.05	1.52	93.1 %	23%	125%
ES PCB-189	44.16		0.9611	0.9609	-0.5	2.29E+07	1.10	2.05	96.9 %	47%	116%
ES PCB-202	38.10		0.8297	0.8290	-1.6	2.14E+07	0.88	1.21	110 %	31%	134%
ES PCB-205	46.36		1.0088	1.0088	0	1.31E+07	0.92	1.28	88.1 %	46%	115%
ES PCB-206	47.86		1.0412	1.0413	+0.3	1.04E+07	0.77	1.12	79.8 %	38%	122%
ES PCB-208	43.76		0.9525	0.9522	-0.8	1.63E+07	0.78	1.46	96.2 %	31%	126%
ES PCB-209	49.26		1.0713	1.0718	+1.5	1.04E+07	1.20	1.16	77.6 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.41		0.9310	0.9308	-0.3	2.79E+07	1.11	1.09	86.5 %	14%	131%
CS/SS PCB-111	31.19	V	1.0789	1.0787	-0.4	2.45E+07	1.59	0.93	118 %	57%	112%
CS/SS PCB-178	36.14		1.0108	1.0109	+0.2	1.61E+07	1.08	0.63	112 %	57%	125%
CS PCB-28	21.41		0.9310	0.9308	-0.3	2.79E+07	1.11	1.64	86.6 %	14%	131%
CS PCB-111	31.19		1.0789	1.0787	-0.4	2.45E+07	1.59	1.20	101 %	57%	112%
CS PCB-178	36.14		1.0108	1.0109	+0.2	1.61E+07	1.08	0.95	105 %	57%	125%
JS PCB-9	15.16					3.29E+07	1.67				
JS PCB-52	23.00					1.96E+07	0.75				
JS PCB-101	28.92					2.02E+07	1.51				
JS PCB-138	35.75					1.61E+07	1.28				
JS PCB-194	45.96					1.16E+07	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			5.28		5.28		0.85	
			Di-CBs			21.8		21.8		1.78	
			Tri-CBs			70.8		70.8		1.08	
			Tetra-CBs			124		126		0.562	
			Penta-CBs			157		158		0.297	
			Hexa-CBs			141		147		0.264	
			Hepta-CBs			50.2		53		0.296	
			Octa-CBs			15.3		17.3		0.489	
			Nona-CBs			5.15		5.15		0.98	
PCB-1 2-MoCB	10.94		1.0011	1.0010	-0.1	1.80E+05	2.68	1.00	2.63	9.53E+03	0.758
PCB-2 3-MoCB	12.89	J	0.9879	0.9880	+0.1	5.90E+04	SI	1.31	0.63	3.43E+03	0.249
PCB-3 4-MoCB	13.06		1.0010	1.0009	-0.1	1.39E+05	3.32	0.96	2.02	9.53E+03	0.942
PCB-4 22'-DiCB	13.30		1.0011	1.0013	+0.2	1.28E+05	SI	0.82	3.33	1.07E+04	1.95
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.78E+04	1.8
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	1.88E+04	1.61
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	1.88E+04	1.39
PCB-6 23'-DiCB	15.54	J	1.0252	1.0254	+0.2	1.39E+05	SI	1.03	1.24	9.35E+03	0.739
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	1.88E+04	1.47
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	5.99E+05	1.69	1.04	5.26	1.88E+04	1.47
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.88E+04	1.23
PCB-11 33'-DiCB	18.18		0.9713	0.9712	-0.1	7.63E+05	1.53	1.06	6.56	1.88E+04	1.44
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	1.88E+04	1.42
PCB-15 44'-DiCB	18.73		1.0008	1.0007	-0.1	5.67E+05	1.52	0.95	5.44	1.88E+04	1.6
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	6.62E+03	1.16
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1058	+0.4	4.79E+05	1.09	1.27	7.71	6.62E+03	0.841
PCB-17 22'4-TrCB	18.29		1.1291	1.1295	+0.4	2.44E+05	1.07	1.07	4.65	6.62E+03	0.997
PCB-27 23'6-TrCB	18.48	J	1.1406	1.1411	+0.6	5.40E+04	1.02	1.46	0.753	6.62E+03	0.729
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	6.62E+03	0.759
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	1.64E+05	1.13	0.82	4.11	6.62E+03	1.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	2.76E+05	0.92	1.52	3.7	6.62E+03	0.701
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.20E+04	0.764
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.20E+04	0.739
PCB-26/29 23'5'/245-TrCB	20.68	J C	0.8324	0.8308	-2.0	3.75E+05	1.06	1.43	2.49	1.20E+04	0.742
PCB-25 23'4-TrCB	20.89		0.8401	0.8393	-1.0	2.30E+05	0.98	1.44	1.52	1.20E+04	0.738
PCB-31 24'5-TrCB	21.16		0.8509	0.8501	-1.0	1.77E+06	1.03	1.47	11.4	1.20E+04	0.723
PCB-28/20 244'/233'-TrCB	21.43	C	0.8618	0.8607	-1.4	2.43E+06	1.04	1.42	16.3	1.20E+04	0.751
PCB-21/33 234/23'4'-TrCB	21.63	C	0.8687	0.8689	+0.3	9.00E+05	1.12	1.44	5.95	1.20E+04	0.74
PCB-22 234'-TrCB	21.97		0.8834	0.8827	-0.9	7.13E+05	0.99	1.33	5.09	1.20E+04	0.799
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.20E+04	0.716
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.20E+04	0.691
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.20E+04	0.773
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.20E+04	0.782
PCB-37 344'-TrCB	24.91		1.0008	1.0007	-0.1	8.02E+05	1.05	1.07	7.11	1.20E+04	0.992
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.60E+03	0.463
PCB-50/53 22'46/22'56'-TeCB	20.91	J C	0.9106	0.9093	-1.6	1.58E+05	0.83	0.60	2.23	3.89E+03	0.548
PCB-45 22'36-TeCB	21.50		0.9351	0.9348	-0.4	1.13E+05	0.81	0.53	1.81	3.89E+03	0.622
PCB-51 22'46'-TeCB	21.58	J	0.9384	0.9381	-0.4	5.40E+04	0.83	0.59	0.776	3.89E+03	0.559
PCB-46 22'36'-TeCB	21.77	EMPC	0.9469	0.9466	-0.4	3.87E+04	1.21	0.49	0.663	3.89E+03	0.666
PCB-52 22'55'-TeCB	23.02		1.0010	1.0010	0	1.27E+06	0.73	0.59	18.1	3.89E+03	0.556
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	3.89E+03	0.43
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	3.89E+03	0.62
PCB-69/49 23'46/22'45'-TeCB	23.45	C	1.0187	1.0197	+1.4	8.63E+05	0.74	0.72	10.1	3.89E+03	0.455
PCB-48 22'45-TeCB	23.70		1.0304	1.0305	+0.1	1.78E+05	0.81	0.60	2.53	3.89E+03	0.552
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0389	-1.0	1.13E+06	0.76	0.64	15	3.89E+03	0.516
PCB-59/62/75 ...-TeCB	24.18	J C	1.0514	1.0515	+0.1	1.19E+05	0.72	0.81	1.24	3.89E+03	0.407
PCB-42 22'34'-TeCB	24.35		1.0582	1.0585	+0.4	2.70E+05	0.77	0.55	4.19	3.89E+03	0.603
PCB-41 22'34-TeCB	24.66	J	1.0722	1.0723	+0.1	7.94E+04	0.68	0.51	1.32	3.89E+03	0.644
PCB-71/40 23'4'6/22'33'-TeCB	24.77	C	1.0764	1.0769	+0.7	4.92E+05	0.72	0.60	6.92	3.89E+03	0.546
PCB-64 234'6-TeCB	24.97		1.0850	1.0858	+1.2	6.38E+05	0.78	0.86	6.27	3.89E+03	0.382
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	8.26E+03	0.565
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	8.26E+03	0.533
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	8.26E+03	0.594
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	8.26E+03	0.578
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	8.26E+03	0.555
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	8.26E+03	0.548
PCB-61/70/74/76 ...-TeCB	27.24	C	0.8856	0.8878	+3.6	3.82E+06	0.81	1.21	26.9	8.26E+03	0.58
PCB-66 23'44'-TeCB	27.49		0.8947	0.8959	+2.0	2.14E+06	0.78	1.12	16.2	8.26E+03	0.624
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	8.26E+03	0.591
PCB-56 233'4'-TeCB	28.03		0.9132	0.9139	+1.2	9.37E+05	0.72	1.12	7.12	8.26E+03	0.627
PCB-60 2344'-TeCB	28.22		0.9193	0.9199	+1.0	4.21E+05	0.76	1.17	3.06	8.26E+03	0.599
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	8.26E+03	0.531
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	8.26E+03	0.522
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	8.26E+03	0.646
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	1.67E+03	0.212
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.67E+03	0.222
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	2.76E+03	0.392
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	2.76E+03	0.452

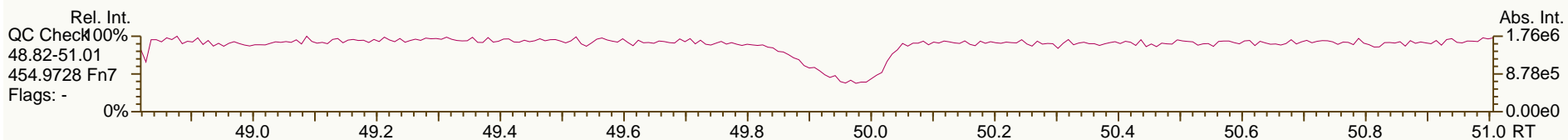
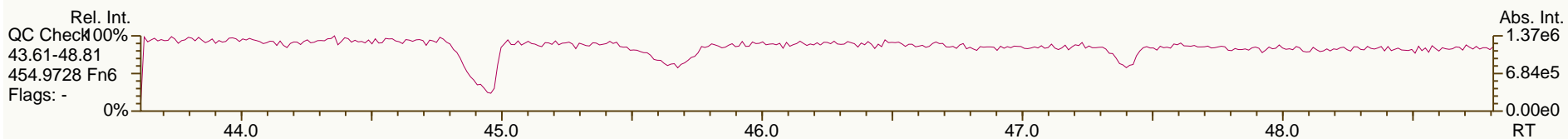
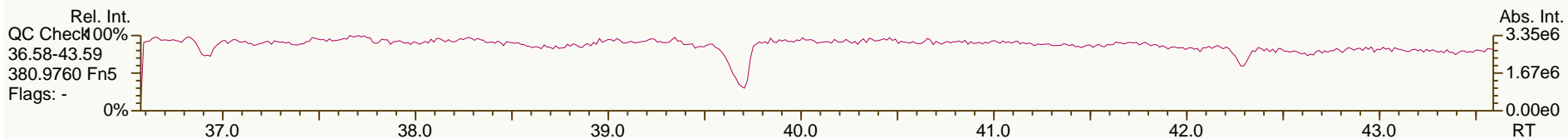
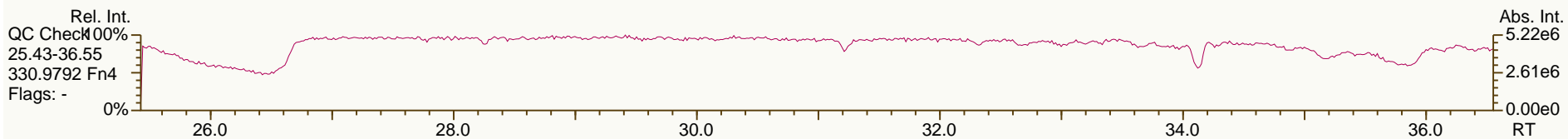
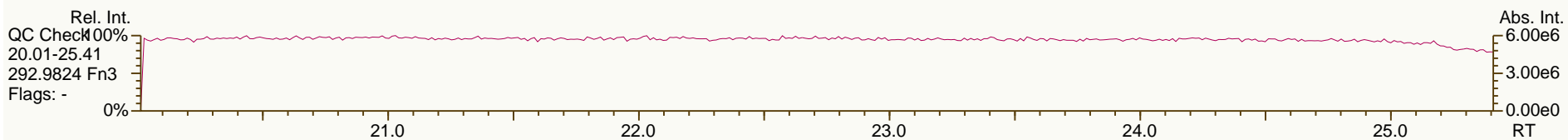
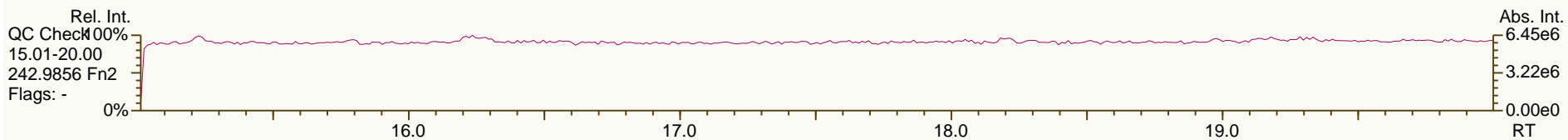
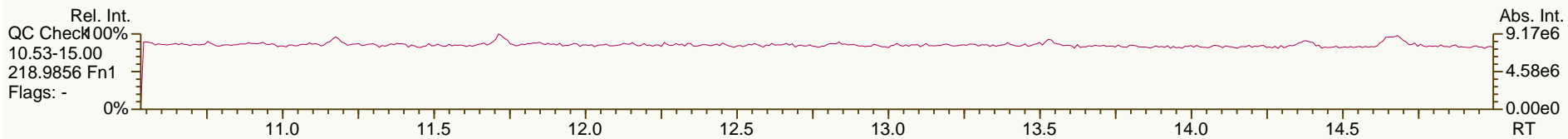
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.51		0.9137	0.9166	+4.6	7.53E+05	0.63	0.80	11.8	2.76E+03	0.425
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	2.76E+03	0.423
PCB-102 22'456'-PeCB	26.74	EMPC	0.9247	0.9246	-0.2	2.05E+04	0.53	0.91	0.286	2.76E+03	0.377
PCB-98 22'34'6'-PeCB	26.84	J	0.9270	0.9282	+1.9	4.95E+04	0.67	0.76	0.828	2.76E+03	0.452
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	2.76E+03	0.456
PCB-91 22'34'6-PeCB	27.21		0.9394	0.9411	+2.8	2.11E+05	0.63	0.87	3.06	2.76E+03	0.392
PCB-84 22'33'6-PeCB	27.39		0.9457	0.9471	+2.3	3.43E+05	0.59	0.70	6.19	2.76E+03	0.488
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	2.76E+03	0.469
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	2.76E+03	0.31
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	2.92E+05	0.60	0.77	4.82	2.76E+03	0.446
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	1.76E+06	0.62	0.91	24.5	2.76E+03	0.376
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0144	-0.2	7.97E+04	0.70	0.68	1.48	2.76E+03	0.504
PCB-99 22'44'5-PeCB	29.43		1.0180	1.0179	-0.2	9.40E+05	0.62	0.82	14.4	2.76E+03	0.415
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	2.76E+03	0.319
PCB-108/119/86/97/125...-PeCB	29.89	C	1.0330	1.0337	+1.3	1.14E+06	0.60	0.90	15.9	2.76E+03	0.379
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	2.76E+03	0.345
PCB-116/85 23456/22'344'-PeCB	30.46	C	1.0541	1.0533	-1.5	3.43E+05	0.64	0.92	4.71	2.76E+03	0.371
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0581	-0.6	2.40E+06	0.63	0.98	30.9	2.76E+03	0.348
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	2.76E+03	0.327
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0675	-0.4	1.44E+05	0.71	0.64	2.83	2.76E+03	0.532
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	2.76E+03	0.333
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	2.76E+03	0.312
PCB-107/124 ...-PeCB	32.57	J EMPC C	0.9913	0.9917	+0.8	8.15E+04	0.71	0.95	1.08	2.76E+03	0.358
PCB-109 233'46-PeCB	32.76		0.9975	0.9977	+0.4	1.79E+05	0.63	1.05	2.16	2.76E+03	0.325
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	2.76E+03	0.376
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	2.76E+03	0.329
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	2.76E+03	0.455
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.92E+03	0.204
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.92E+03	0.205
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.92E+03	0.21
PCB-136 22'33'66'-HxCB	29.34		1.0209	1.0208	-0.2	2.77E+05	1.23	0.96	3.36	1.92E+03	0.221
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.92E+03	0.217
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.92E+03	0.289
PCB-151/135 ...-HxCB	31.39	C	1.0926	1.0921	-0.9	6.50E+05	1.17	0.71	10.7	1.92E+03	0.299
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.92E+03	0.26
PCB-144 22'345'6-HxCB	31.87		1.1089	1.1085	-0.8	9.33E+04	1.13	0.72	1.51	1.92E+03	0.294
PCB-147/149 ...-HxCB	32.16	C	1.1193	1.1188	-1.0	1.60E+06	1.18	0.74	25.2	1.92E+03	0.287
PCB-134 22'33'56-HxCB	32.34	EMPC	1.1251	1.1248	-0.6	8.19E+04	0.89	0.63	1.52	1.92E+03	0.338
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.92E+03	0.314
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.92E+03	0.301
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.92E+03	0.342
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.92E+03	0.342
PCB-132 22'33'46'-HxCB	33.22		1.1559	1.1555	-0.8	5.75E+05	1.21	0.63	10.6	1.92E+03	0.336
PCB-133 22'33'55'-HxCB	33.66	J	1.1710	1.1709	-0.2	4.72E+04	1.12	0.68	0.811	1.92E+03	0.313
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.92E+03	0.258
PCB-146 22'34'55'-HxCB	34.20		0.9569	0.9568	-0.2	4.36E+05	1.34	0.72	7.04	1.92E+03	0.294
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.92E+03	0.232
PCB-153/168 ...-HxCB	34.73	C	0.9720	0.9714	-1.3	2.24E+06	1.20	0.85	30.8	1.92E+03	0.25

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.88		0.9758	0.9758	0	3.15E+05	1.34	0.68	5.37	1.92E+03	0.311
PCB-130 22'33'45'-HxCB	35.23	EMPC	0.9853	0.9854	+0.2	1.25E+05	1.05	0.60	2.42	1.92E+03	0.352
PCB-137 22'344'5-HxCB	35.42		0.9908	0.9908	0	9.86E+04	1.10	0.64	1.8	1.92E+03	0.332
PCB-164 233'4'5'6-HxCB	35.51		0.9931	0.9933	+0.4	1.78E+05	1.23	0.91	2.27	1.92E+03	0.232
PCB-163/138/129 ...-HxCB	35.77	C	1.0011	1.0007	-0.9	1.96E+06	1.23	0.71	32.2	1.92E+03	0.299
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.92E+03	0.252
PCB-158 233'44'6-HxCB	36.11		1.0101	1.0101	0	2.65E+05	1.34	0.89	3.46	1.92E+03	0.237
PCB-128/166 ...-HxCB	36.84	C	0.9619	0.9619	0	3.18E+05	1.39	0.93	4.62	2.04E+03	0.296
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	2.04E+03	0.239
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	2.04E+03	0.255
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.28E+03	0.163
PCB-179 22'33'566'-HpCB	33.86		1.0086	1.0087	+0.2	2.46E+05	1.15	0.93	3.27	1.28E+03	0.167
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.28E+03	0.161
PCB-176 22'33'466'-HpCB	34.60	J	1.0309	1.0307	-0.4	7.35E+04	1.08	1.04	0.867	1.28E+03	0.148
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.28E+03	0.156
PCB-178 22'33'55'6-HpCB	36.16		1.0769	1.0771	+0.4	1.04E+05	0.92	0.72	1.78	1.28E+03	0.215
PCB-175 22'33'45'6-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	2.27E+03	0.372
PCB-187 22'34'55'6-HpCB	36.93		1.0998	1.1001	+0.7	5.29E+05	1.05	0.80	8.18	2.27E+03	0.344
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.27E+03	0.336
PCB-183 22'344'5'6-HpCB	37.45		1.1152	1.1156	+0.9	2.59E+05	0.98	0.82	3.92	2.27E+03	0.336
PCB-185 22'3455'6-HpCB	37.53	J EMPC	1.1174	1.1179	+1.1	3.51E+04	0.76	0.78	0.558	2.27E+03	0.354
PCB-174 22'33'456'-HpCB	37.63		1.1207	1.1210	+0.7	3.92E+05	0.98	0.72	6.66	2.27E+03	0.378
PCB-177 22'33'45'6'-HpCB	38.01		1.1319	1.1322	+0.7	2.25E+05	1.01	0.62	4.47	2.27E+03	0.443
PCB-181 22'344'56-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	2.27E+03	0.351
PCB-171/173 ...-HpCB	38.54	J C	1.1474	1.1480	+1.4	8.96E+04	0.89	0.67	1.65	2.27E+03	0.41
PCB-172 22'33'455'-HpCB	39.91	J EMPC	0.9042	0.9038	-1.0	5.94E+04	0.73	0.71	1.03	2.27E+03	0.407
PCB-192 233'455'6-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.27E+03	0.295
PCB-180/193 ...-HpCB	40.47	C	0.9160	0.9164	+1.0	9.47E+05	1.02	0.82	14.1	2.27E+03	0.35
PCB-191 233'44'5'6-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	2.27E+03	0.291
PCB-170 22'33'44'5-HpCB	41.53		0.9406	0.9405	-0.2	2.90E+05	1.08	0.67	5.27	2.27E+03	0.426
PCB-190 233'44'56-HpCB	41.99	J EMPC	0.9509	0.9509	0	7.35E+04	1.43	0.88	1.02	2.27E+03	0.324
PCB-202 22'33'55'66'-OoCB	38.12	J	1.0006	1.0006	0	8.53E+04	0.83	0.86	1.31	2.59E+03	0.387
PCB-201 22'33'45'66'-OoCB	38.91	J EMPC	1.0211	1.0212	+0.2	3.54E+04	0.69	1.05	0.441	2.59E+03	0.315
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	2.59E+03	0.353
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	2.59E+03	0.31
PCB-200 22'33'4566'-OoCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	2.59E+03	0.341
PCB-198/199 ...-OoCB	42.14	C	1.1049	1.1060	+2.8	2.53E+05	0.81	0.62	5.34	2.59E+03	0.535
PCB-196 22'33'44'56'-OoCB	42.70	EMPC	1.1201	1.1207	+1.5	7.86E+04	1.15	0.63	1.64	2.59E+03	0.528
PCB-203 22'344'55'6-OoCB	42.86		1.1245	1.1250	+1.3	1.60E+05	0.92	0.68	3.11	2.59E+03	0.492
PCB-195 22'33'44'56-OoCB	43.98	J	0.9489	0.9487	-0.5	5.69E+04	0.99	0.87	1.4	3.01E+03	0.811
PCB-194 22'33'44'55'-OoCB	45.97		0.9917	0.9916	-0.3	1.60E+05	0.94	0.84	4.11	3.01E+03	0.847
PCB-205 233'44'55'6-OoCB	NotFnd		1.0004	-		0.00E+00		1.20	ND	3.01E+03	0.59
PCB-208 22'33'455'66'-NoCB	43.79	J	1.0005	1.0006	+0.3	6.81E+04	0.81	1.01	1.17	4.03E+03	0.75
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	4.03E+03	0.755
PCB-206 22'33'44'55'6-NoCB	47.88		1.0004	1.0004	0	1.40E+05	0.69	0.95	3.98	4.03E+03	1.21

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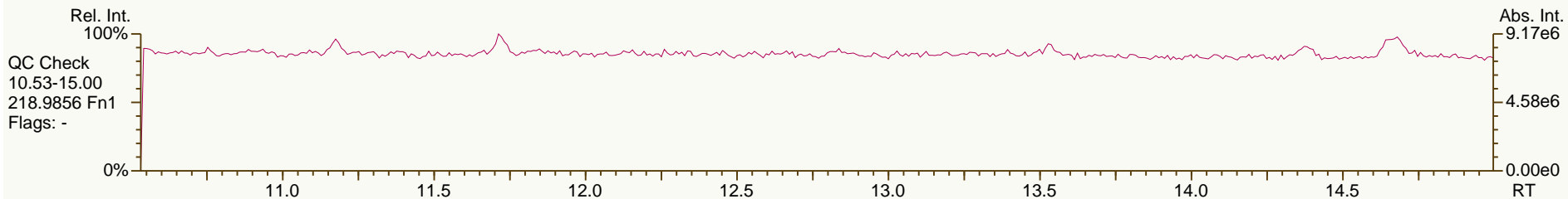
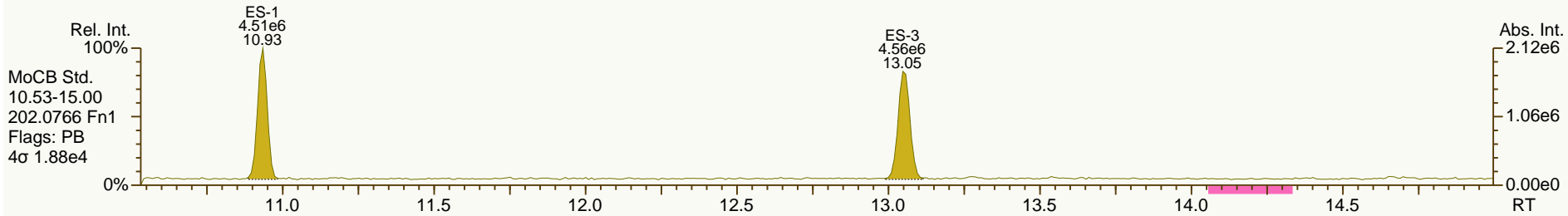
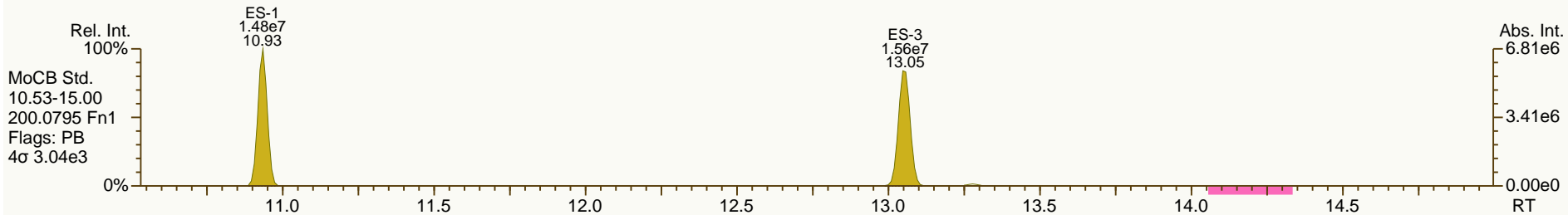
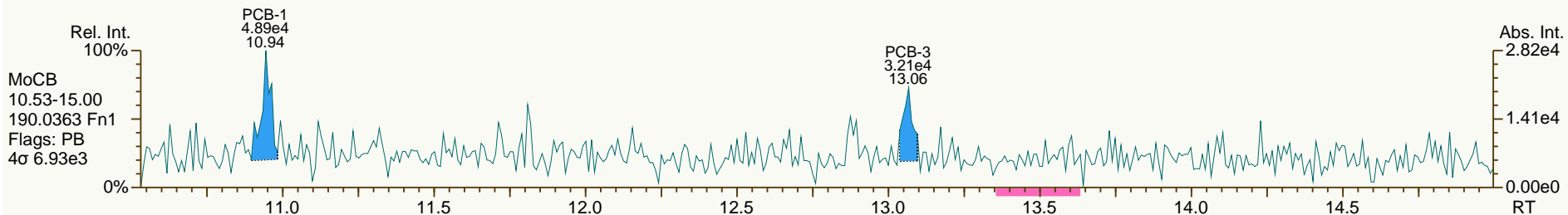
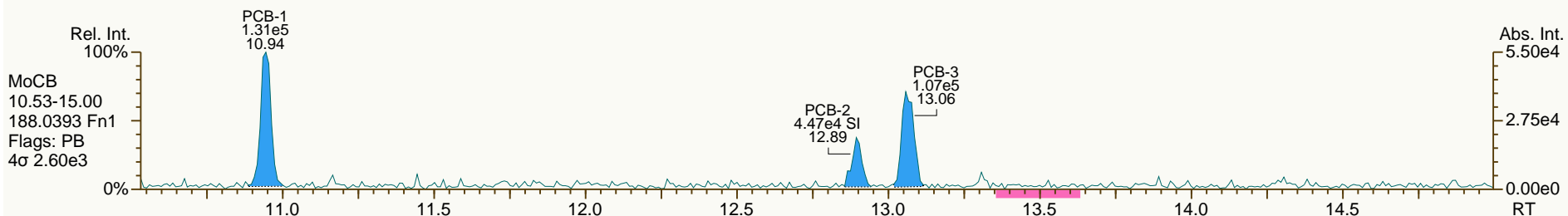
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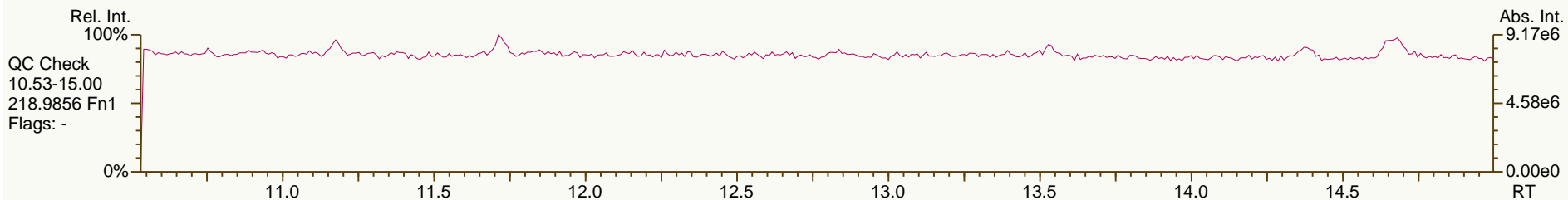
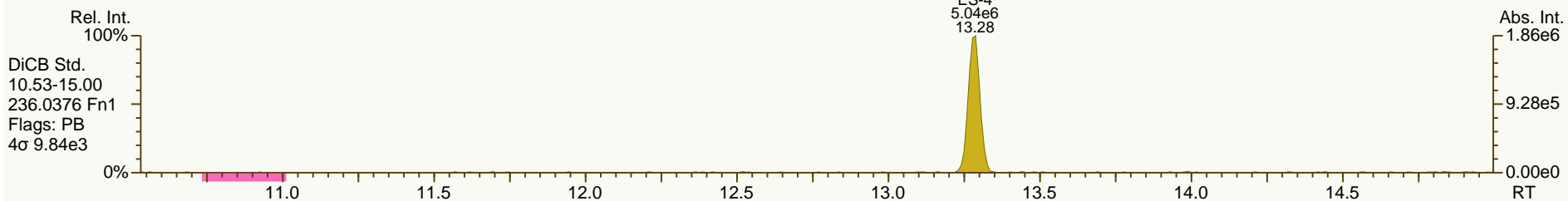
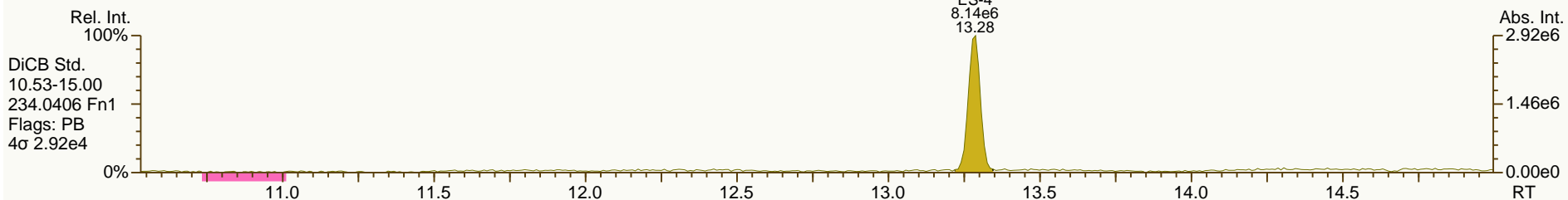
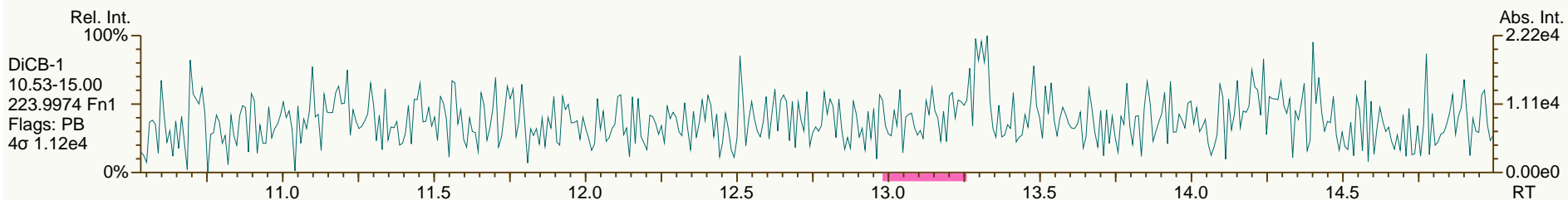
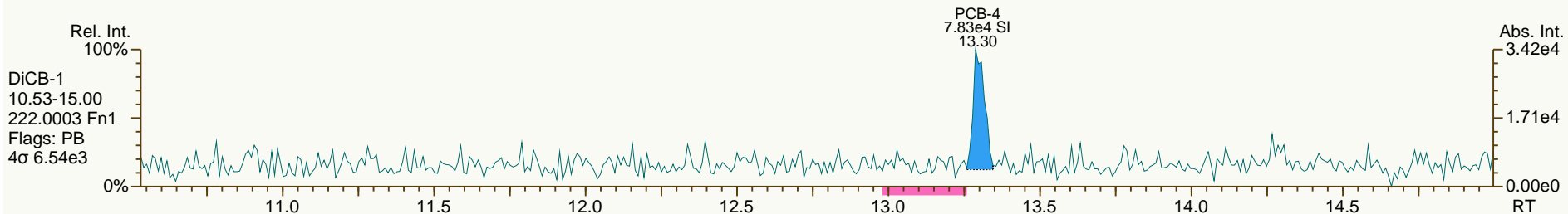
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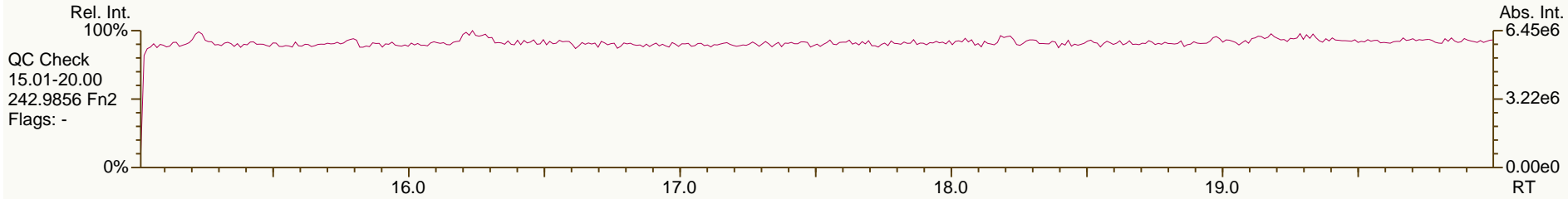
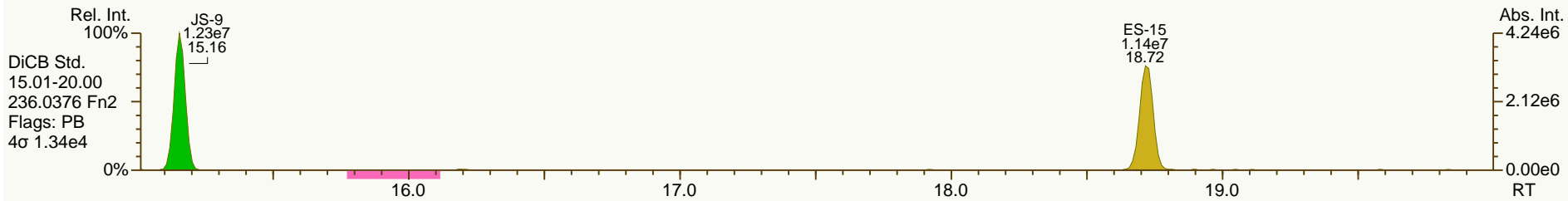
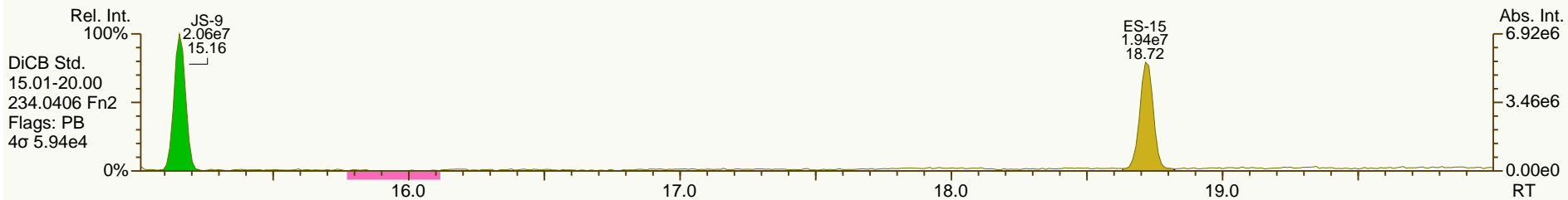
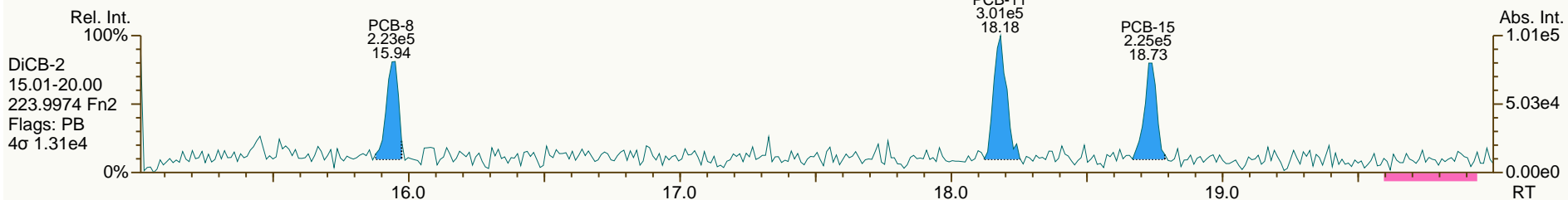
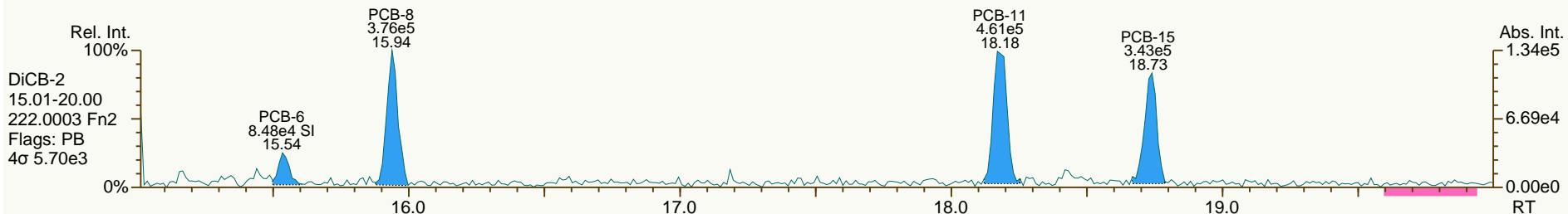
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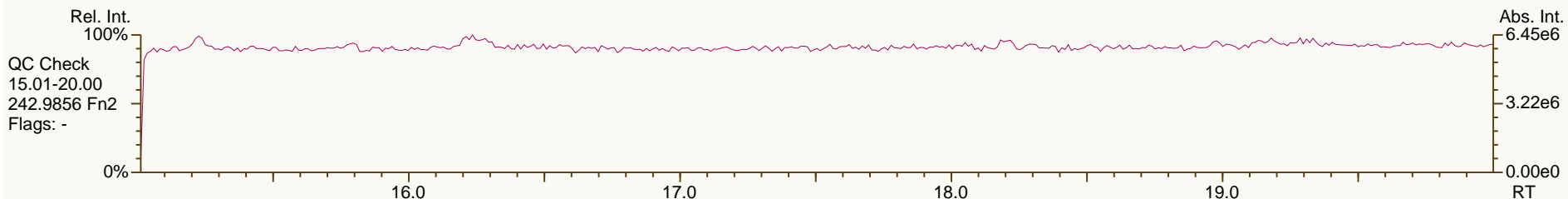
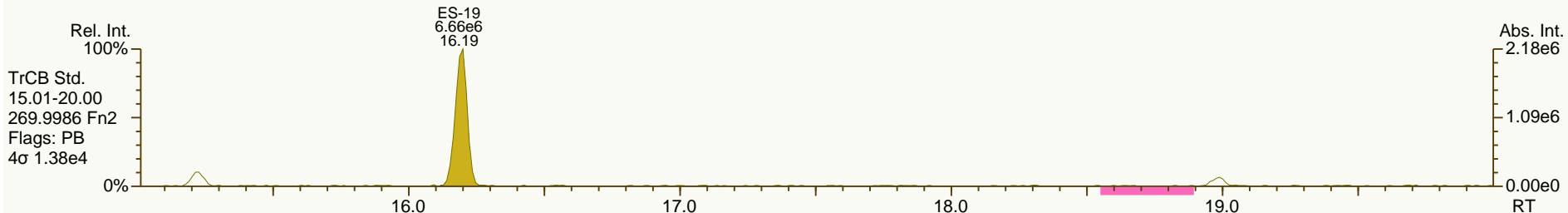
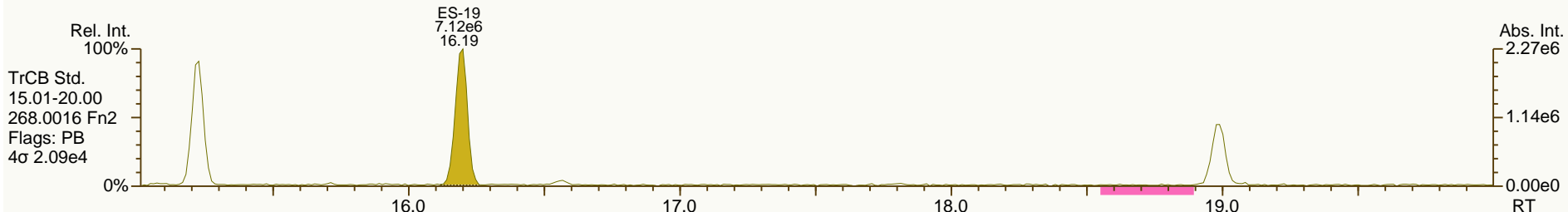
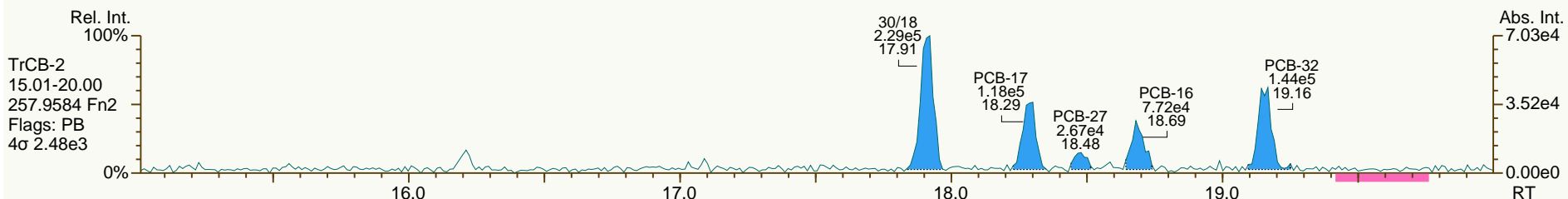
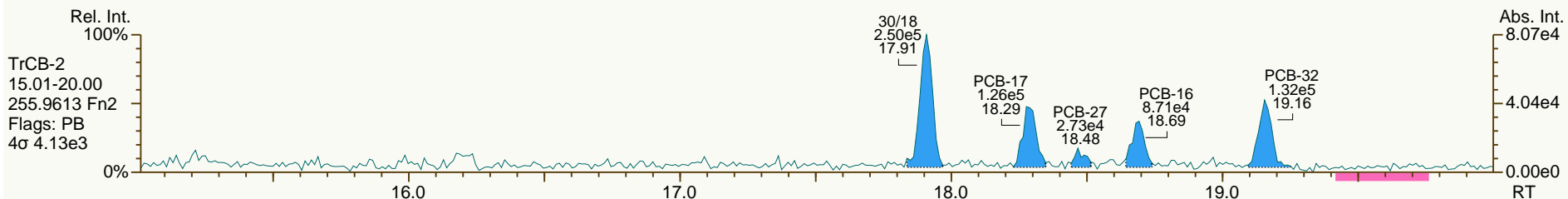
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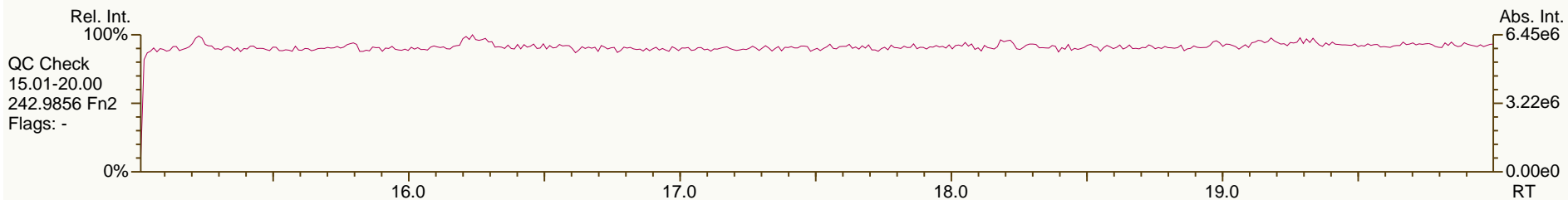
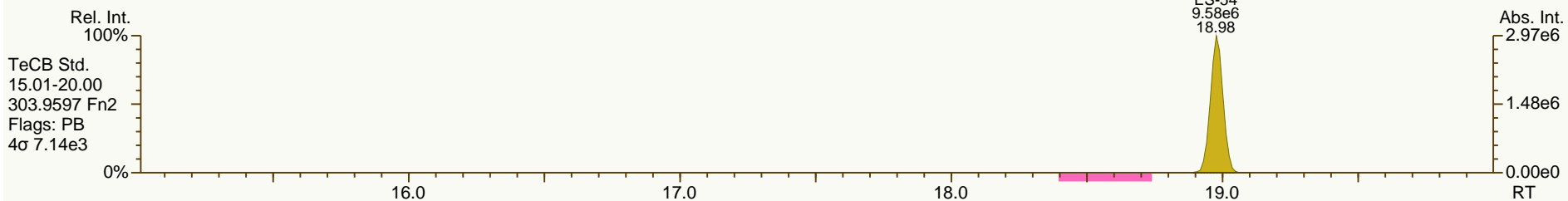
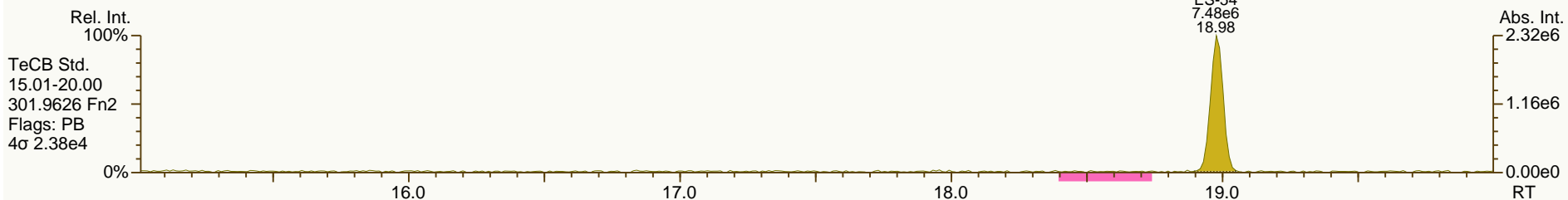
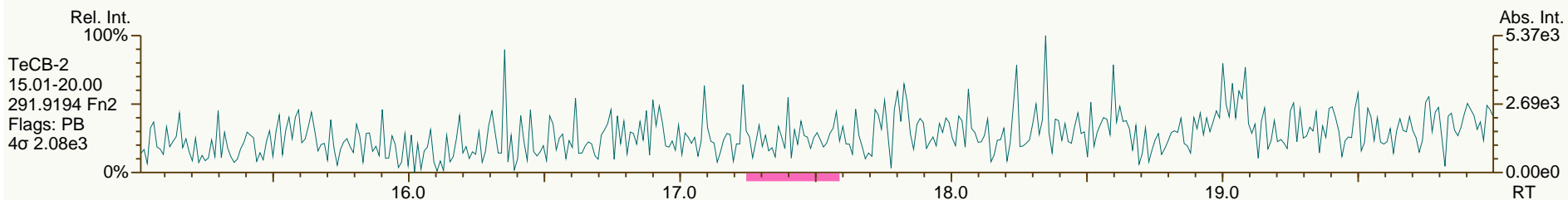
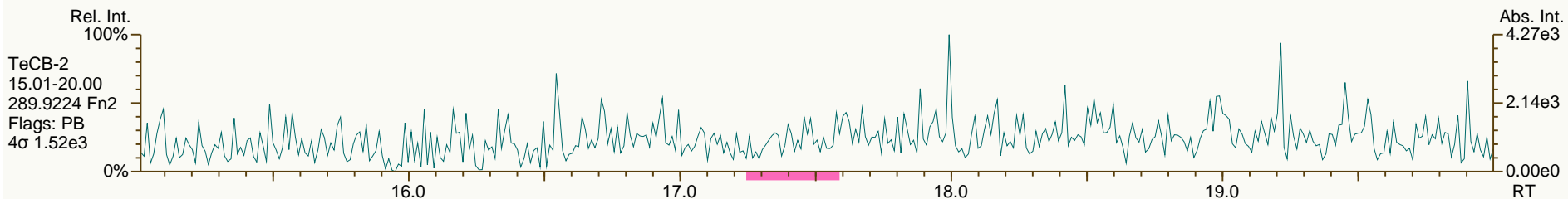
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

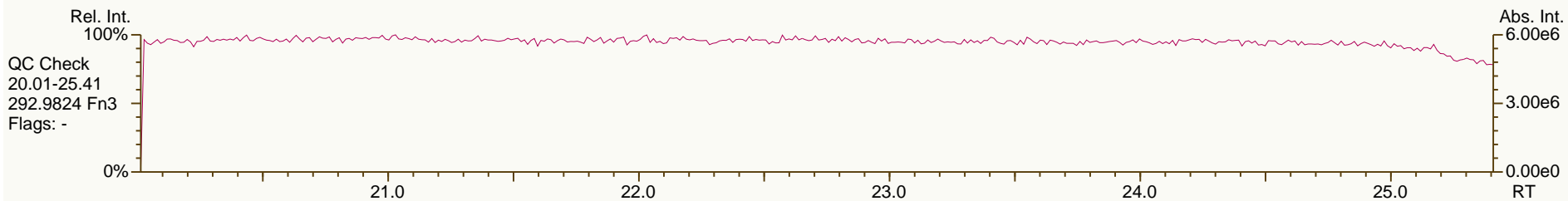
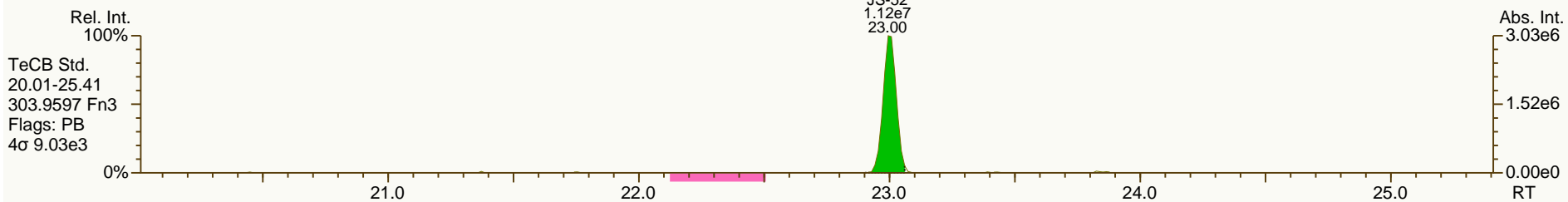
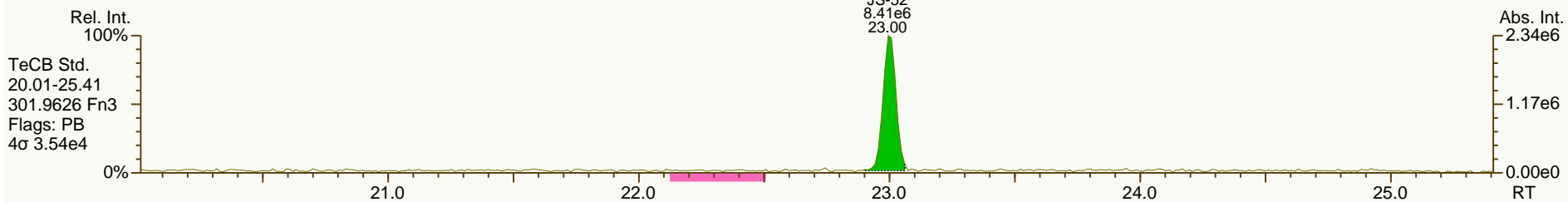
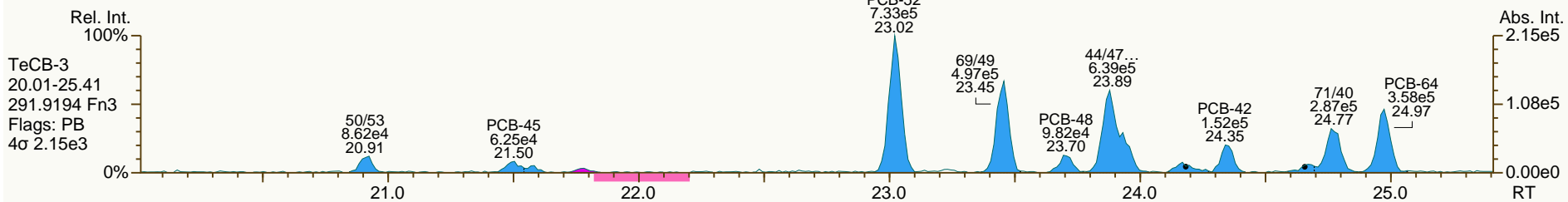
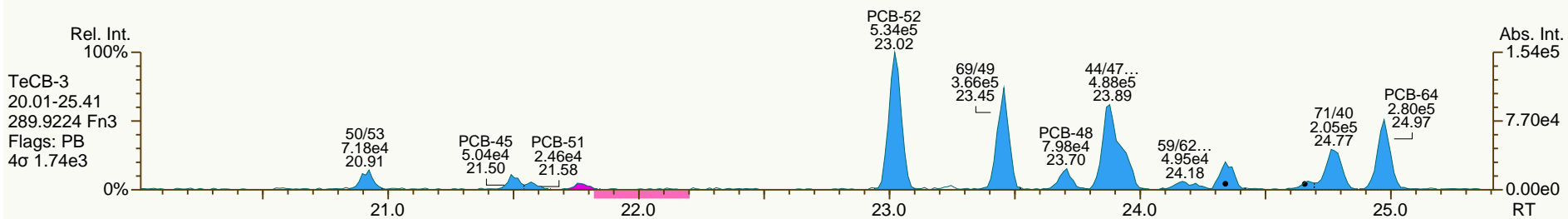
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AP Lab ID: A4373_9894_PCB_008
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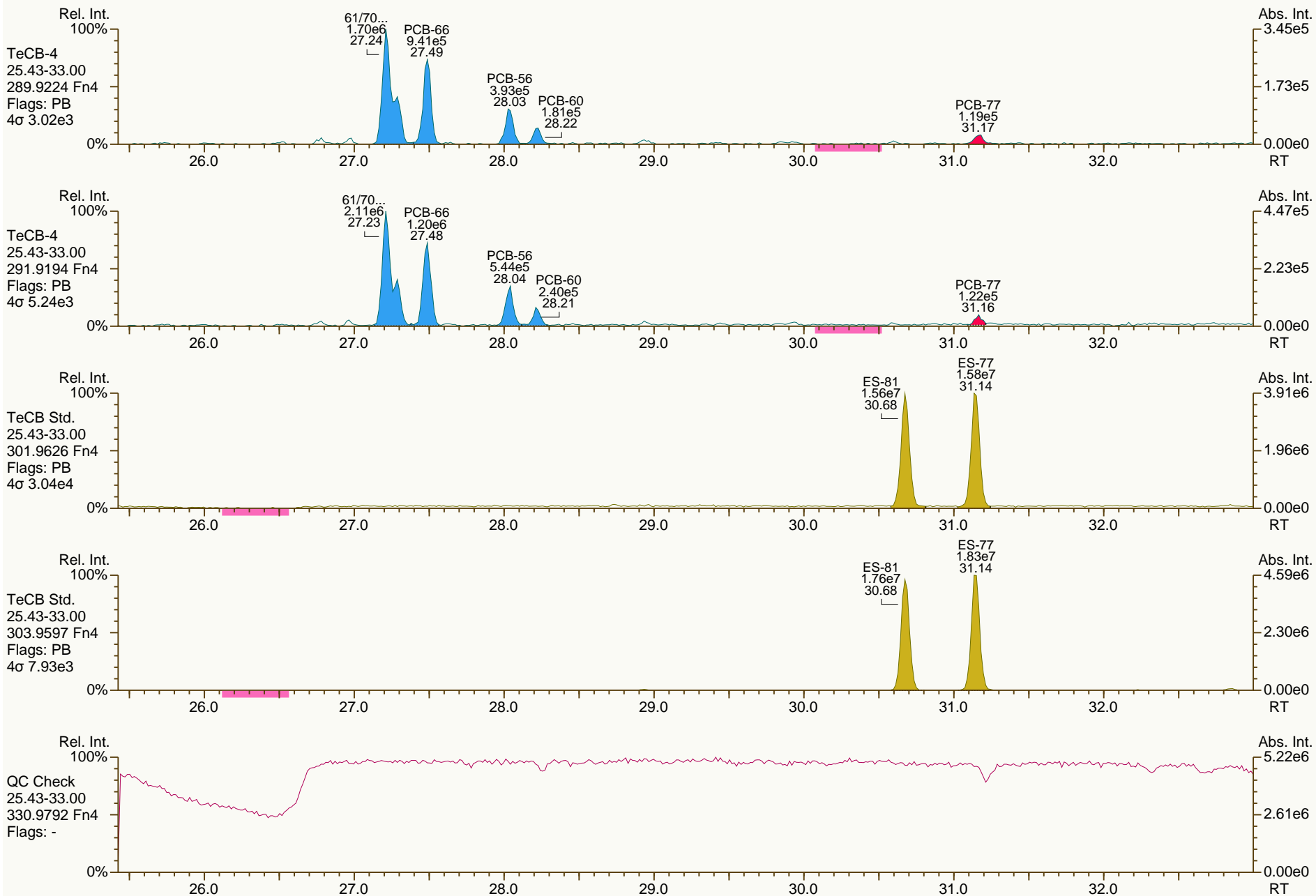
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AP Lab ID: A4373_9894_PCB_008
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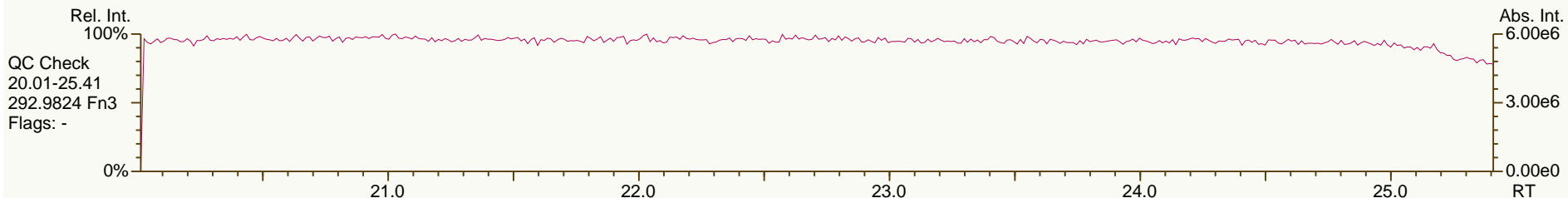
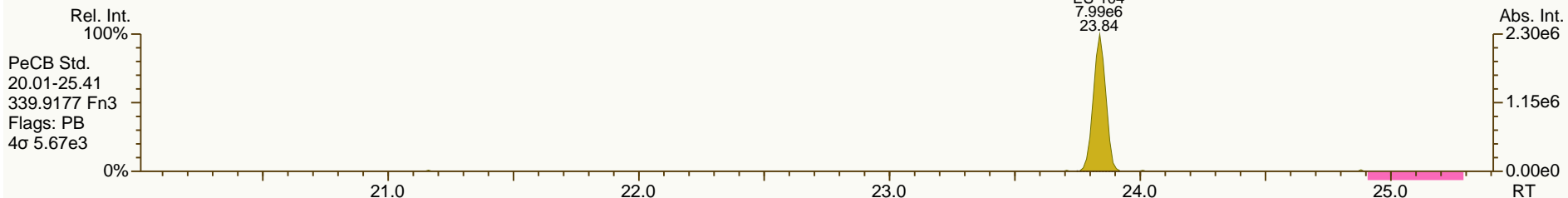
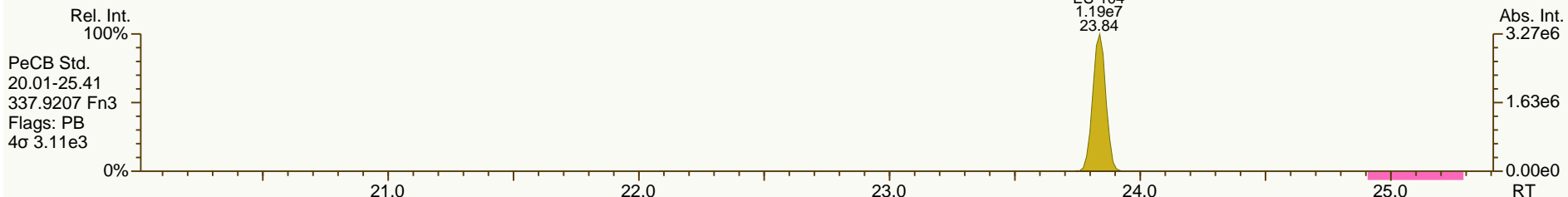
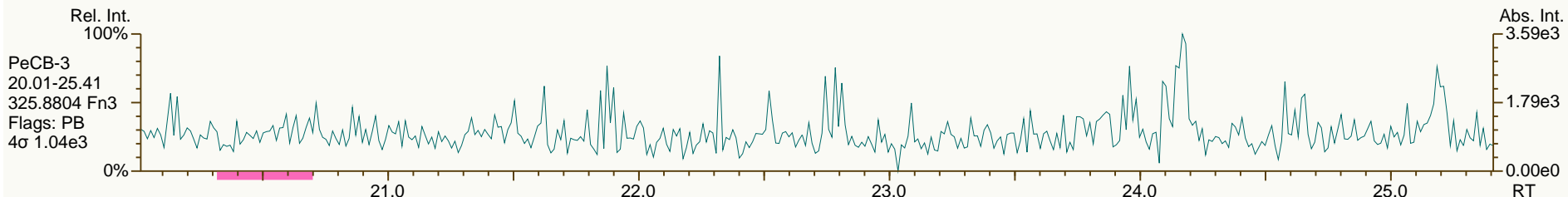
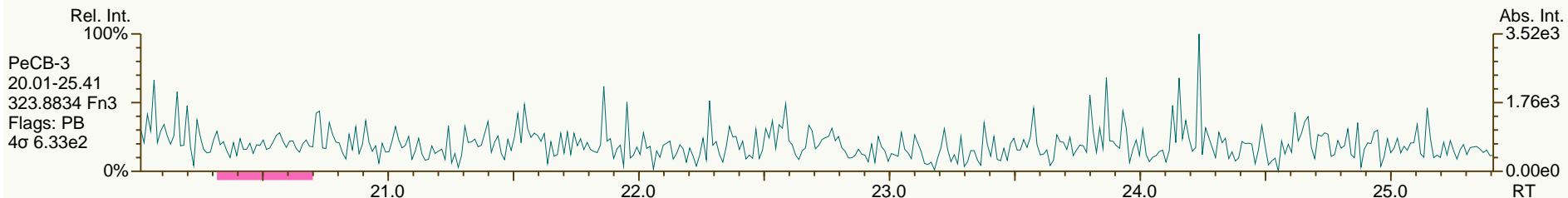
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

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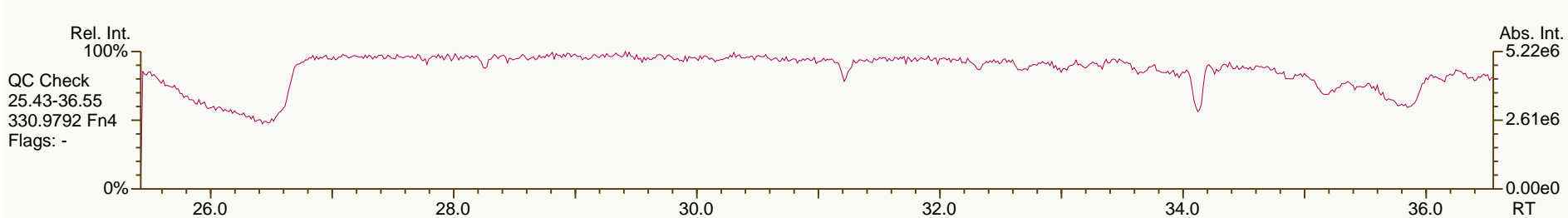
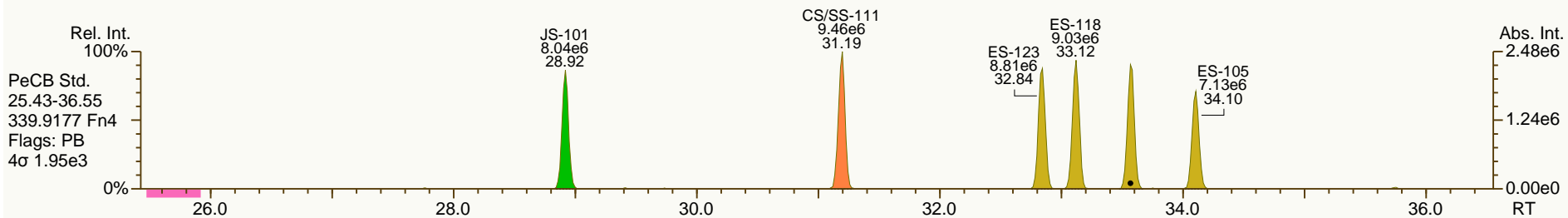
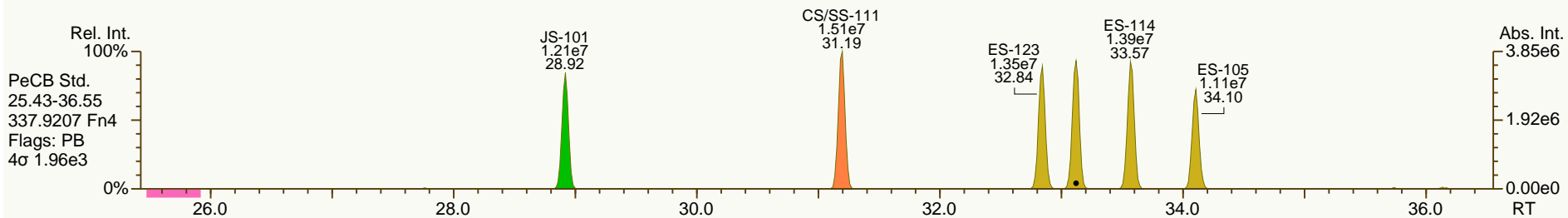
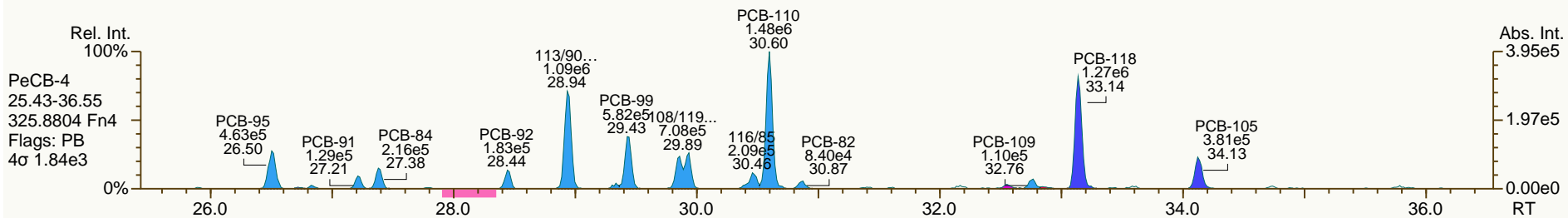
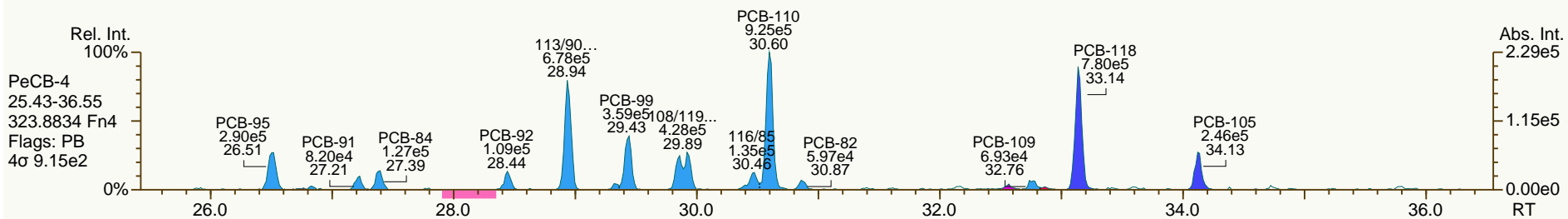
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

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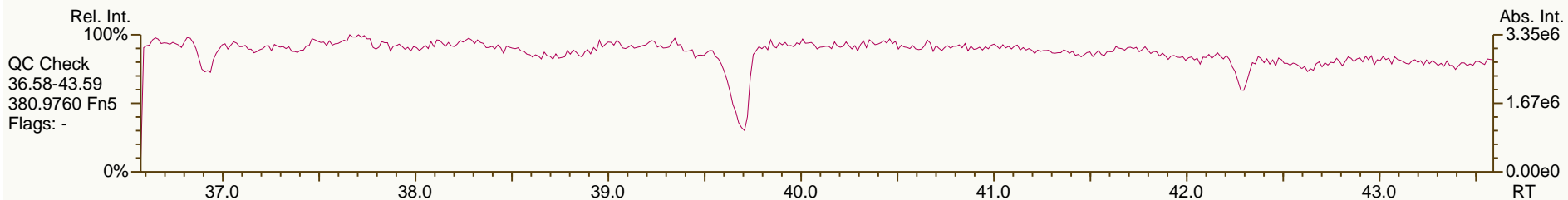
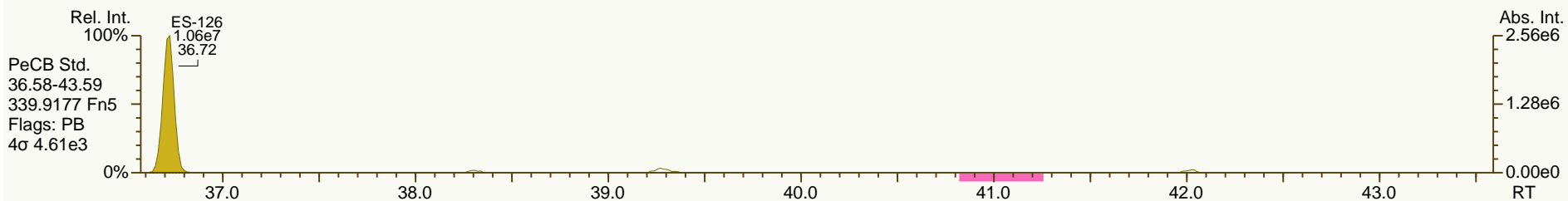
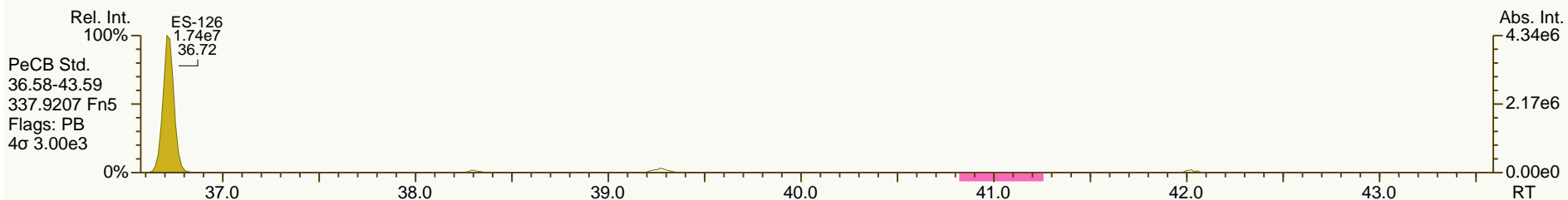
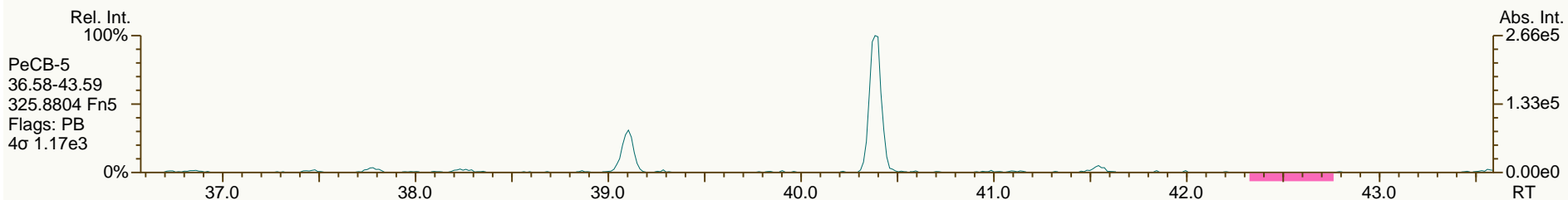
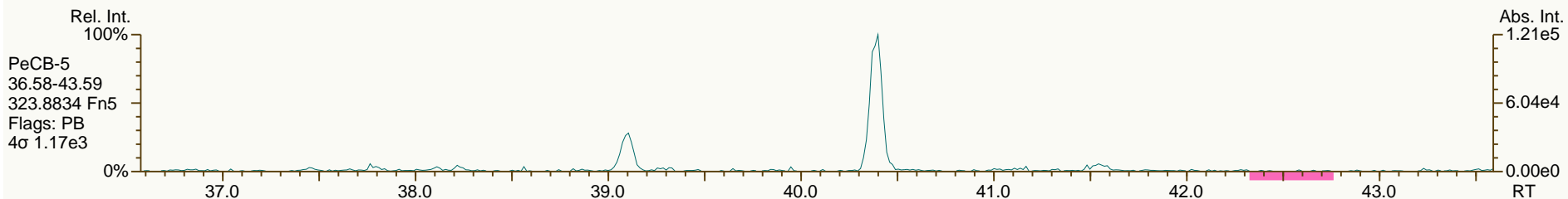
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AP Lab ID: A4373_9894_PCB_008
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Sample ID: JW-EA05-COMP-120509
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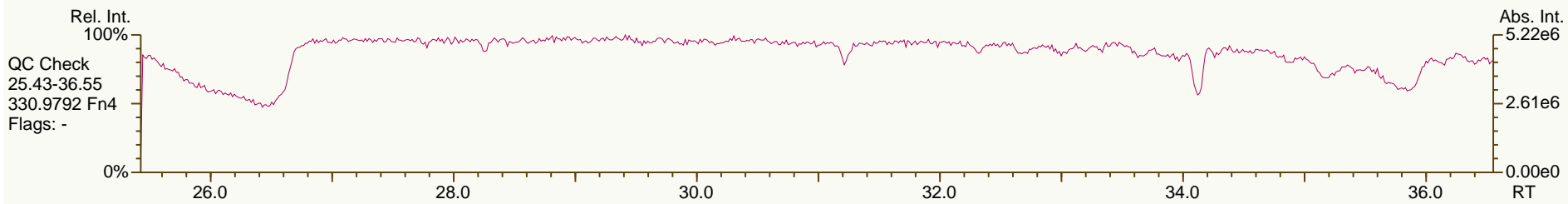
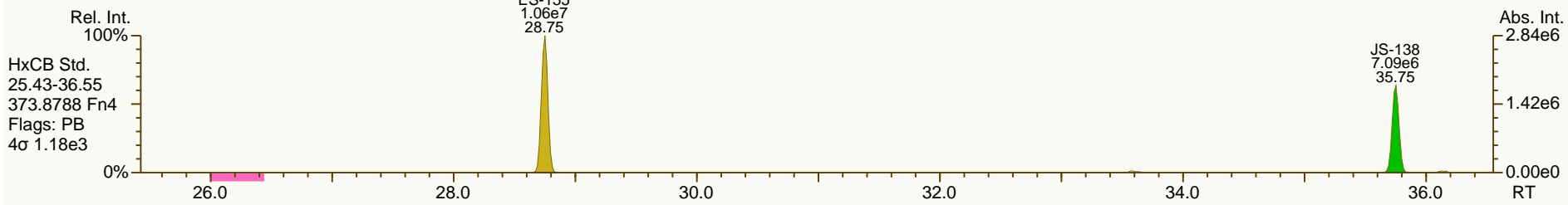
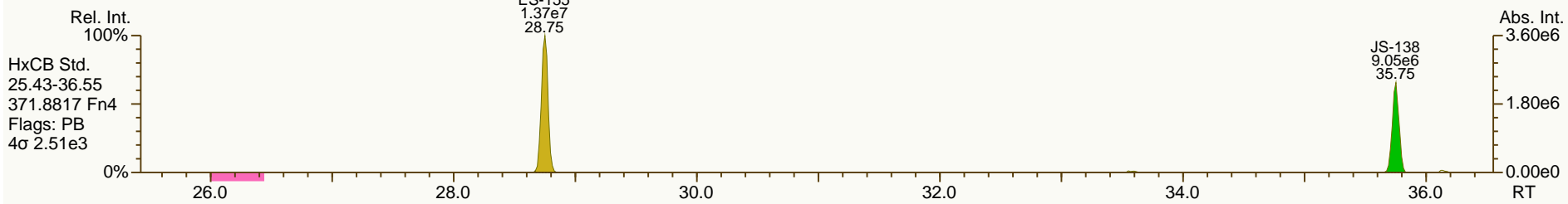
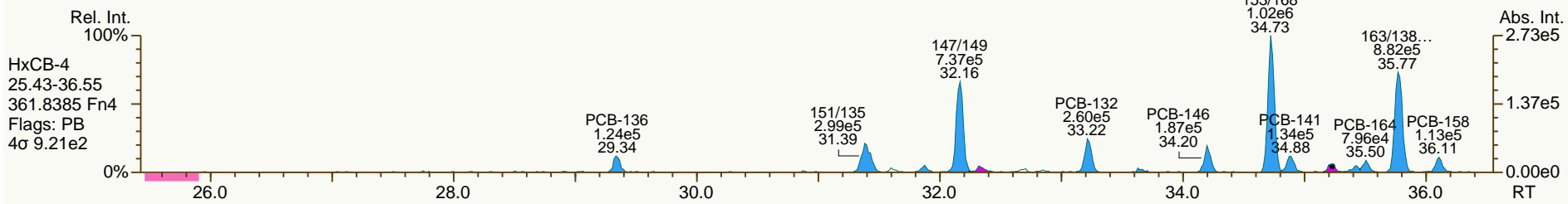
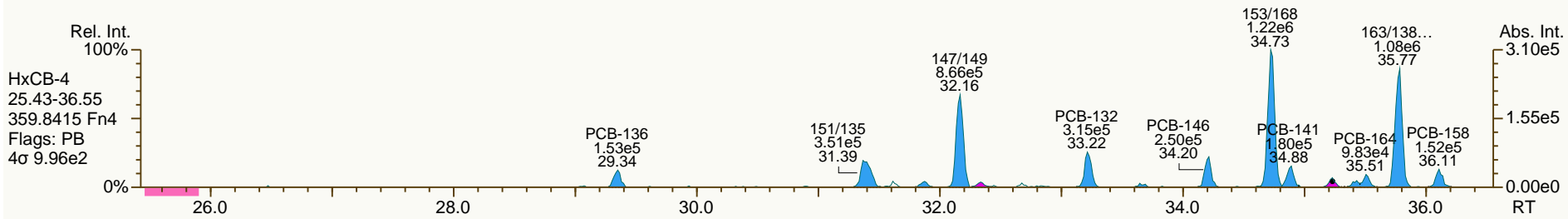
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AP Lab ID: A4373_9894_PCB_008
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Sample ID: JW-EA05-COMP-120509
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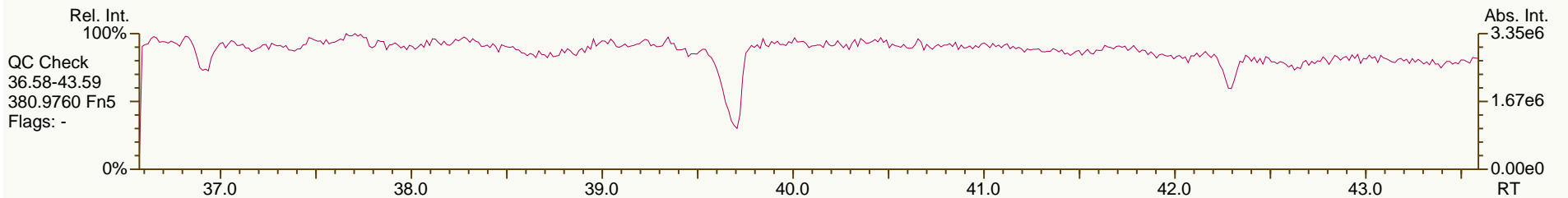
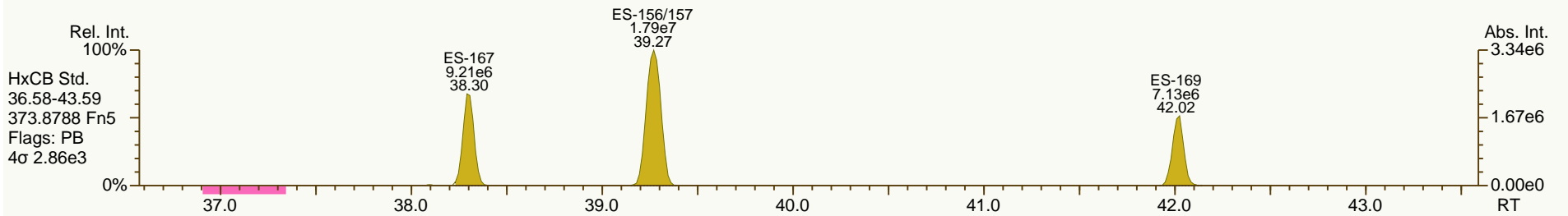
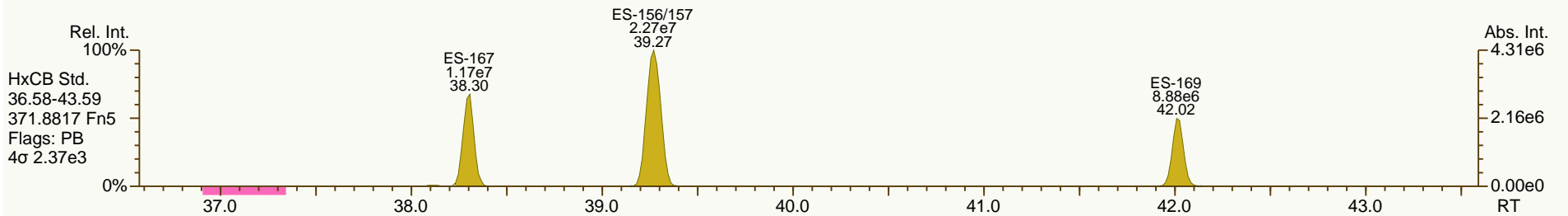
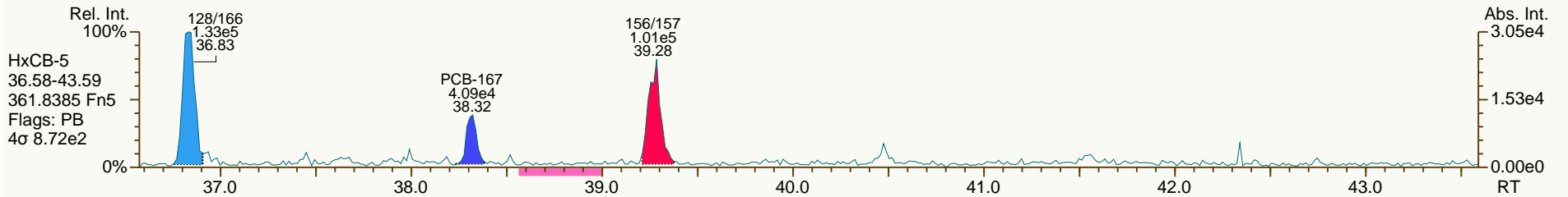
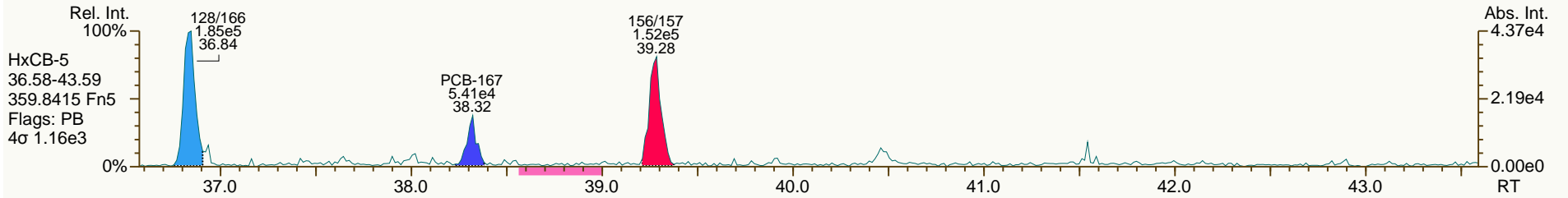
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AP Lab ID: A4373_9894_PCB_008
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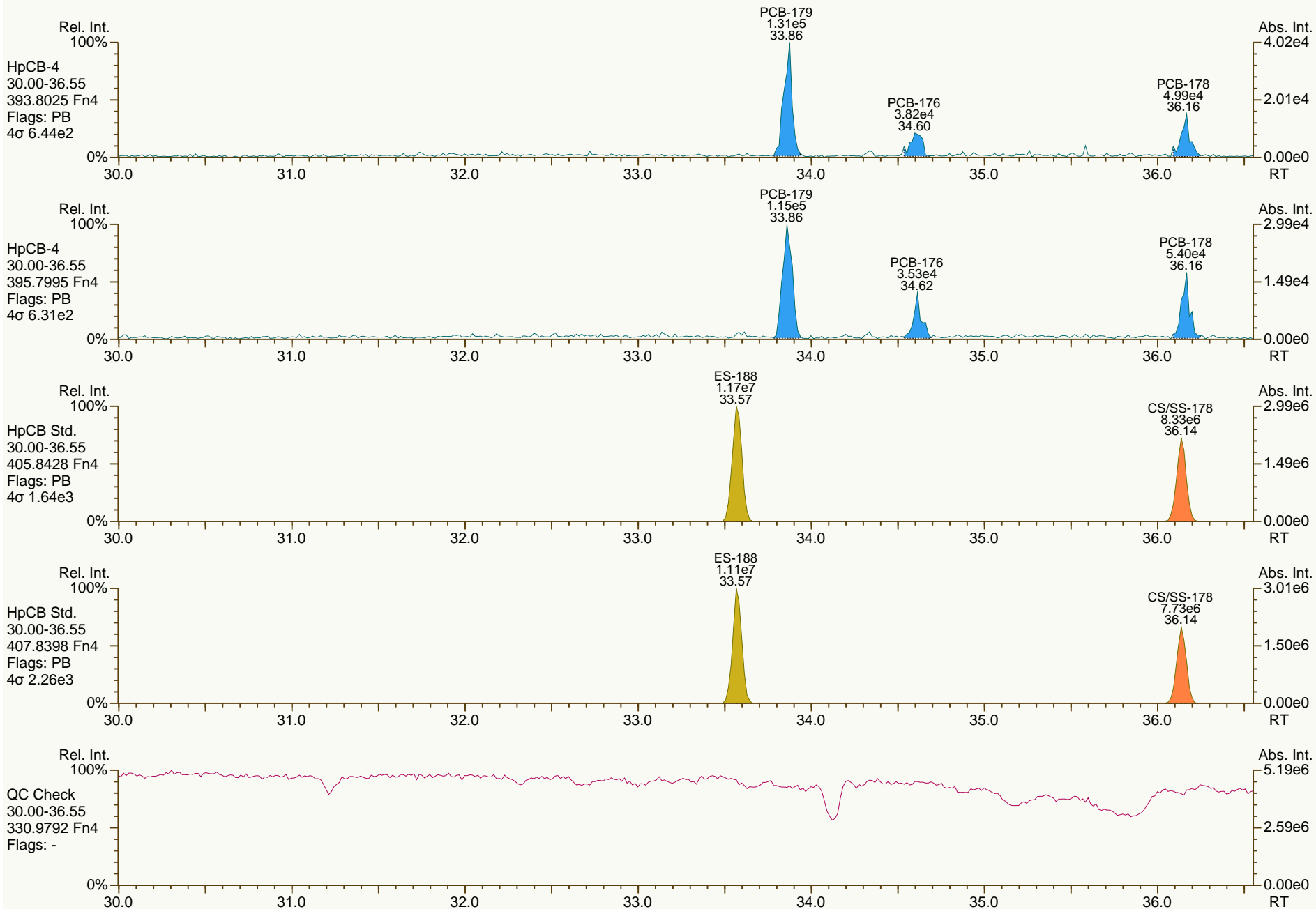
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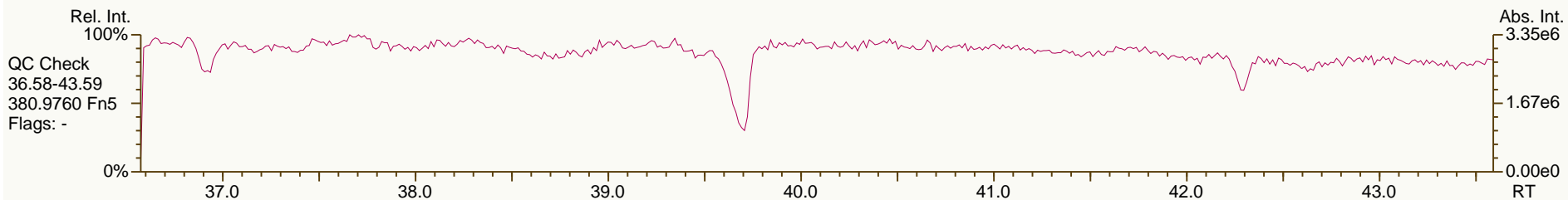
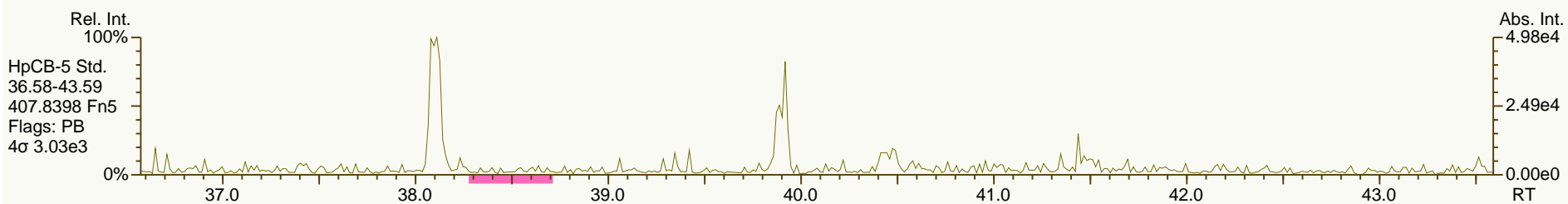
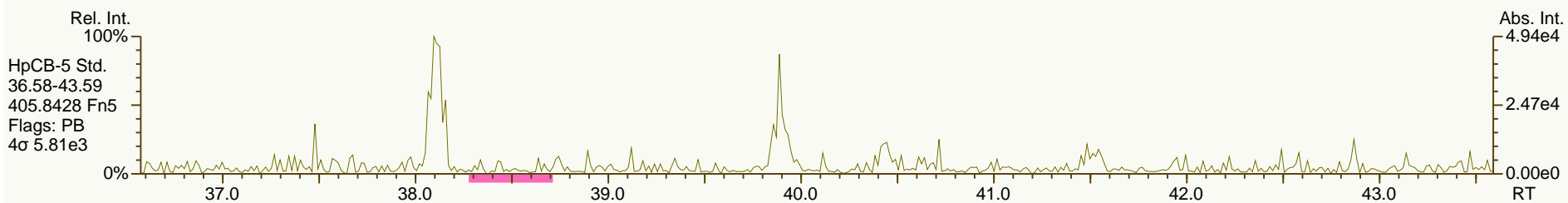
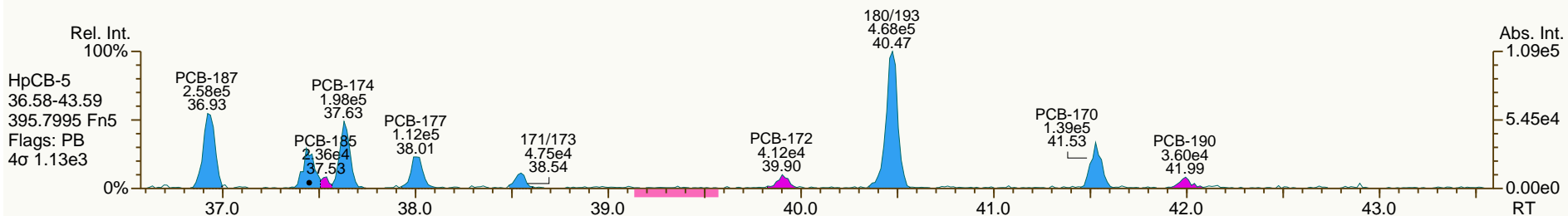
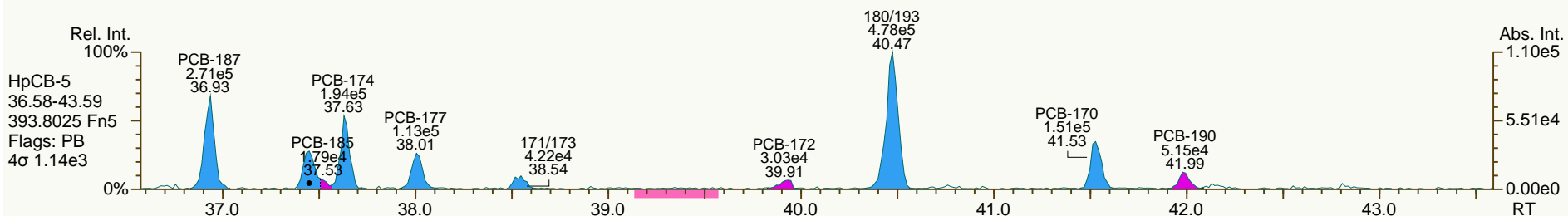
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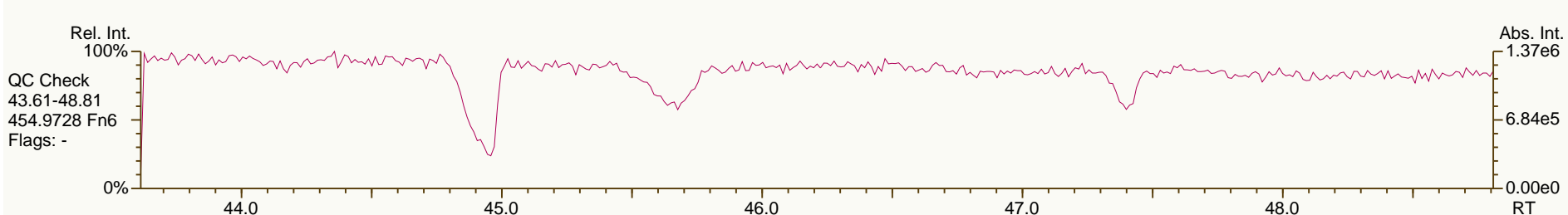
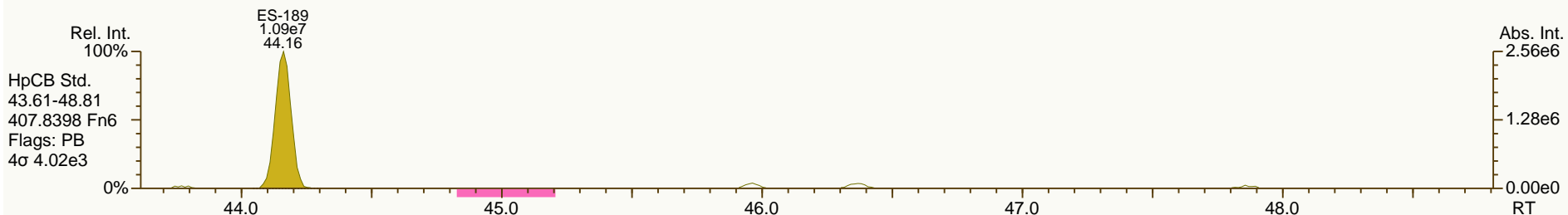
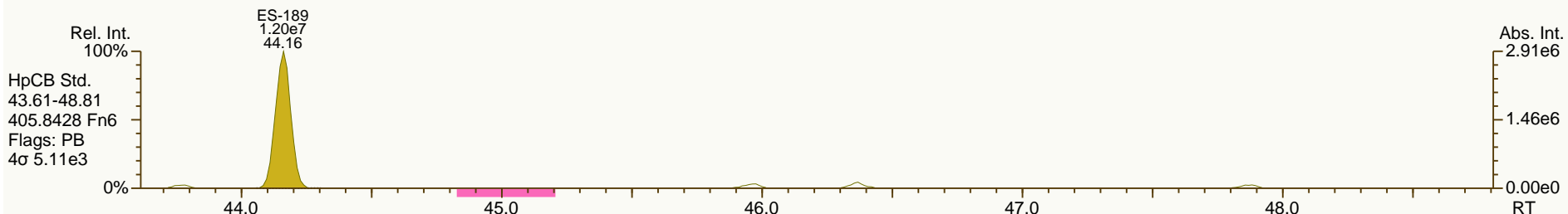
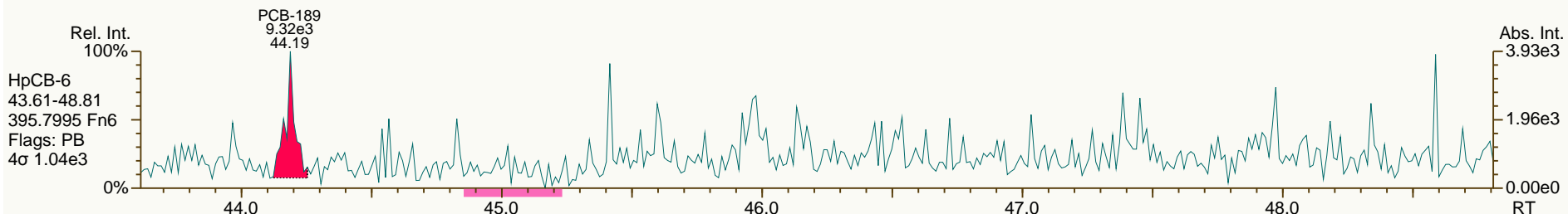
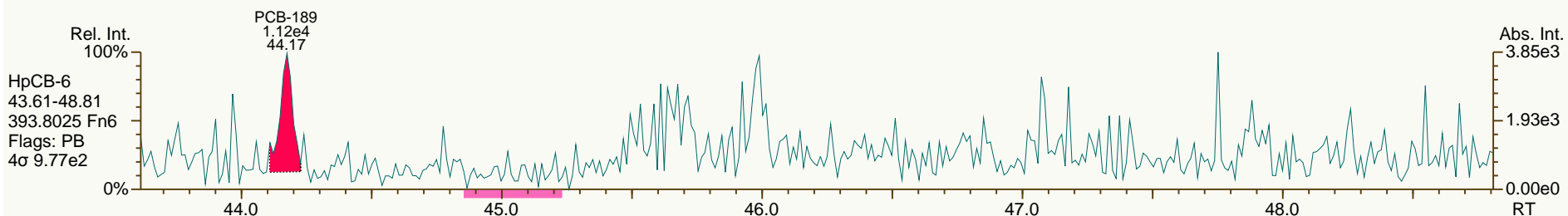
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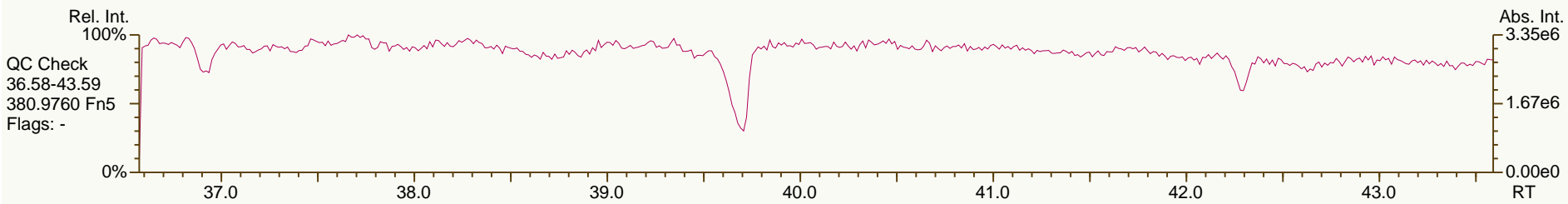
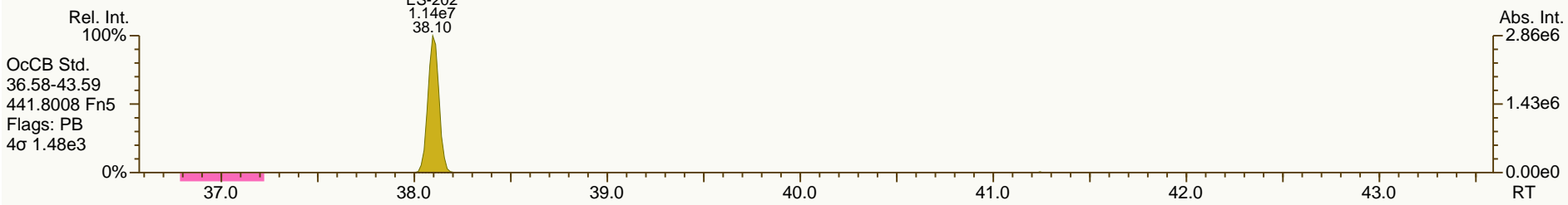
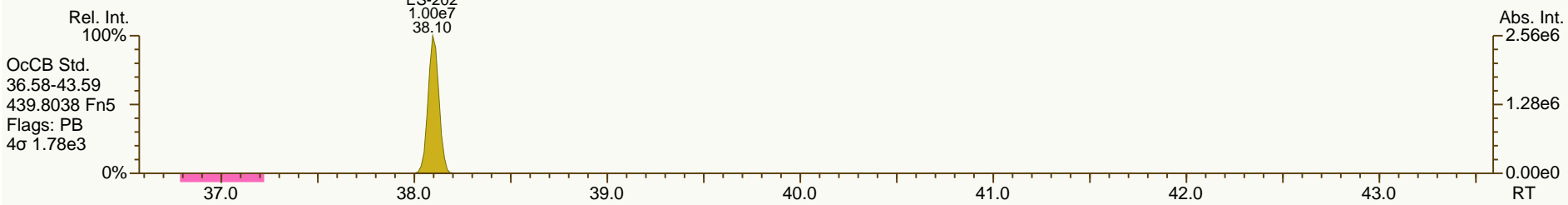
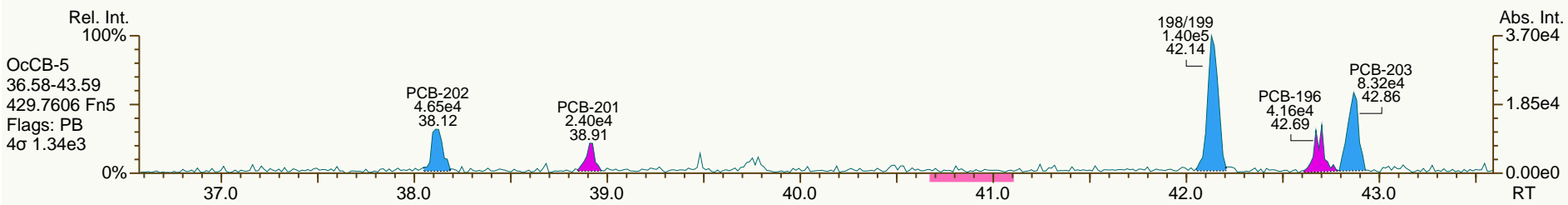
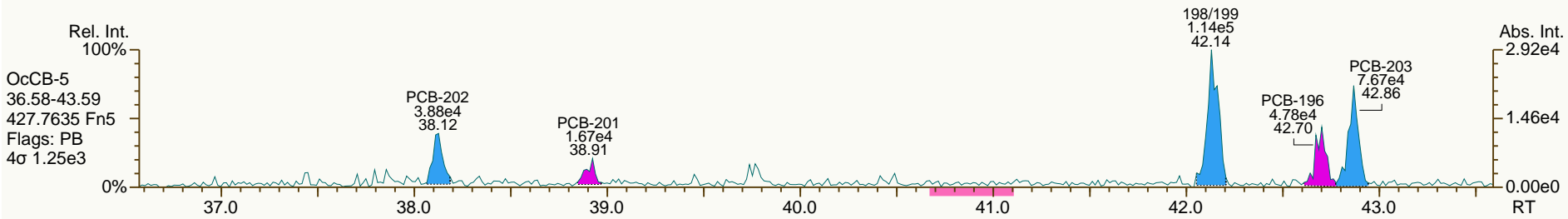
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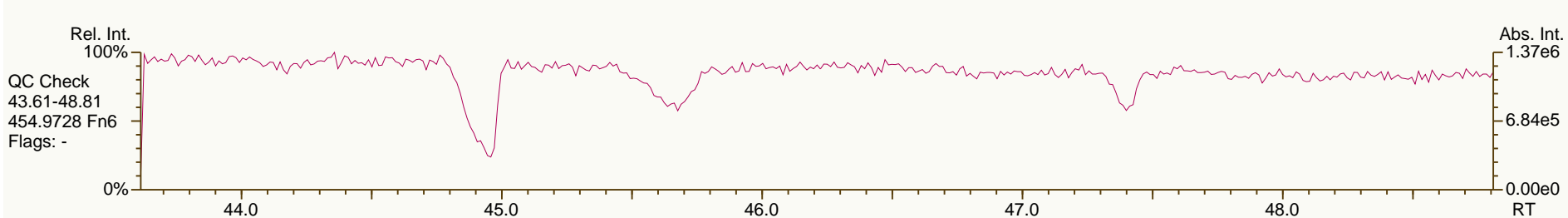
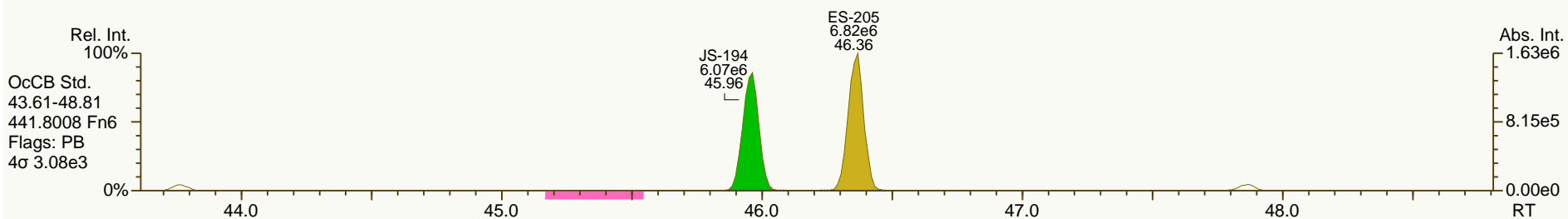
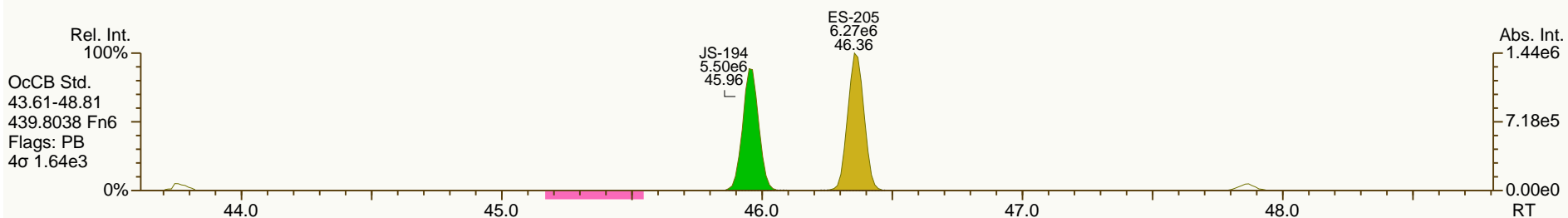
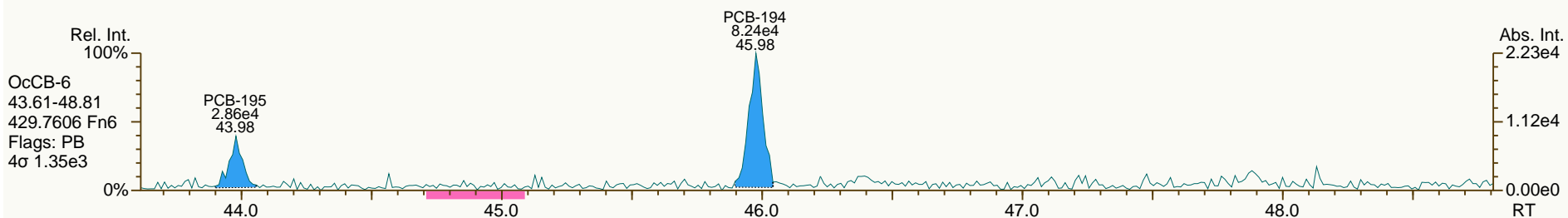
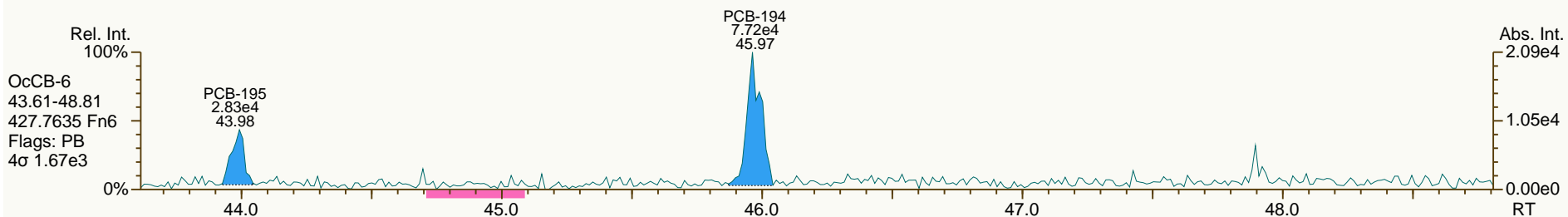
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AP Lab ID: A4373_9894_PCB_008
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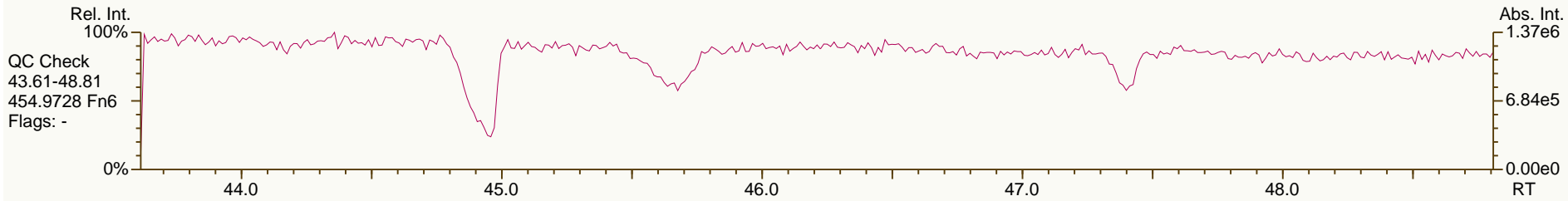
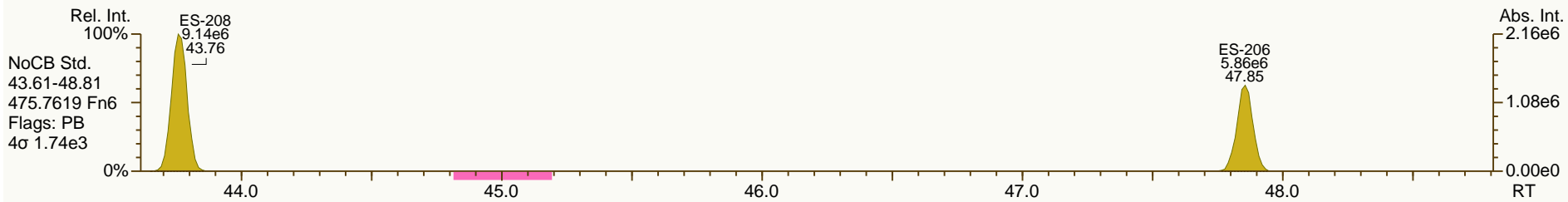
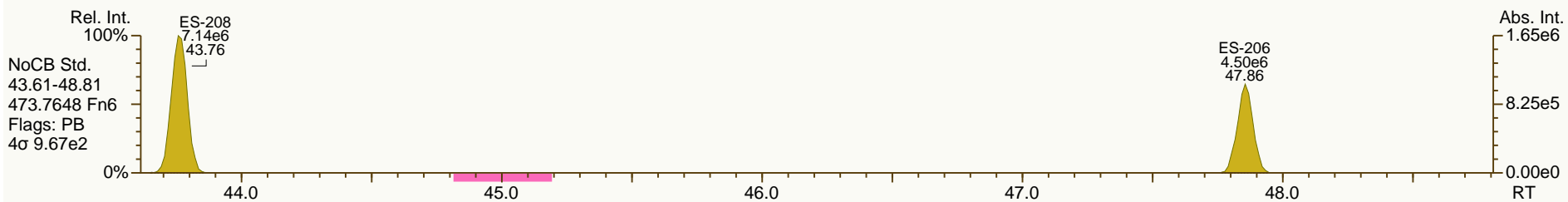
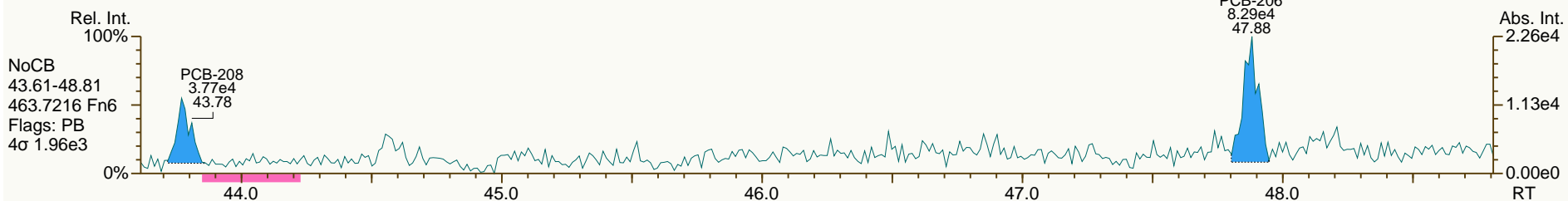
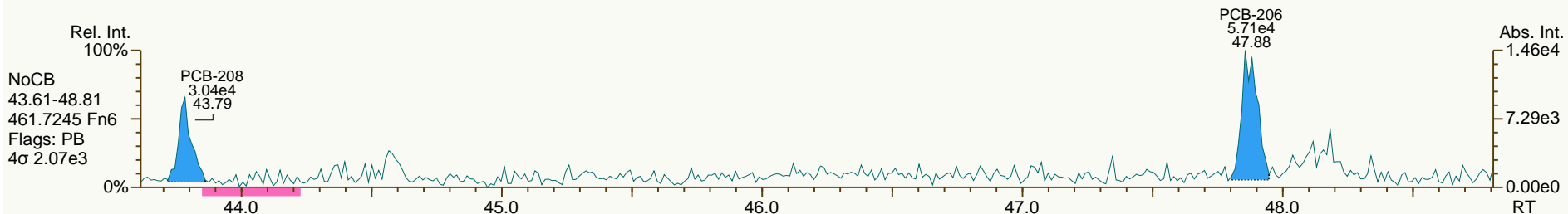
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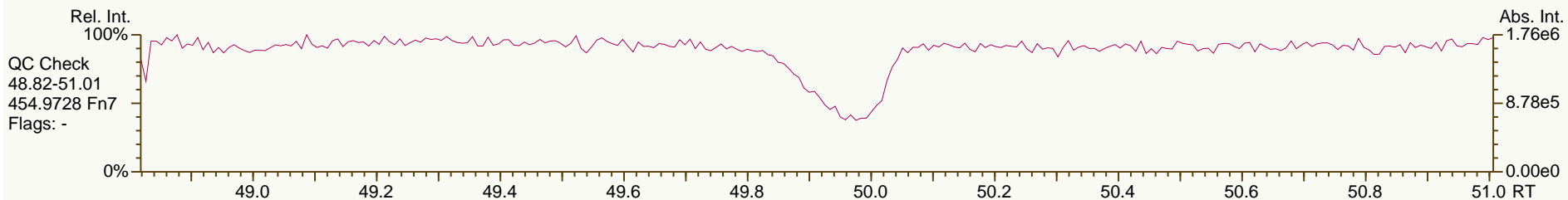
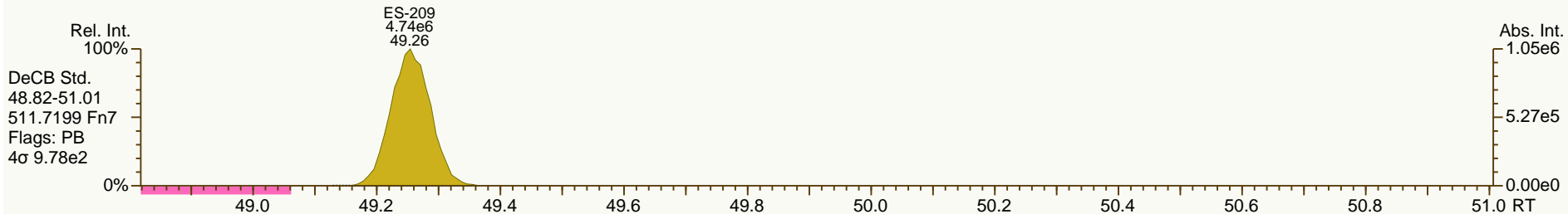
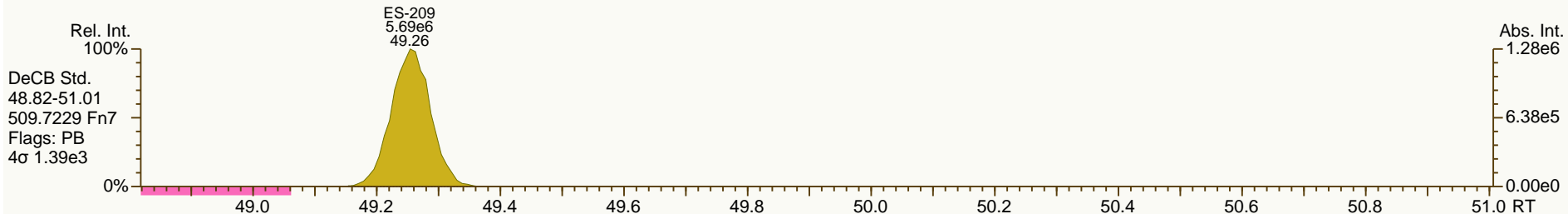
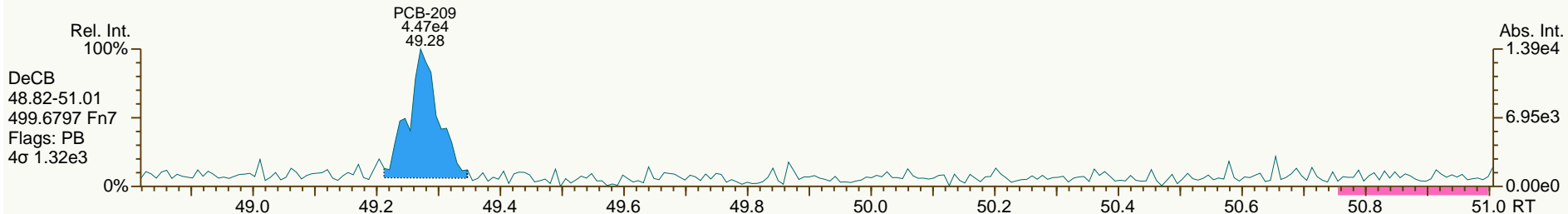
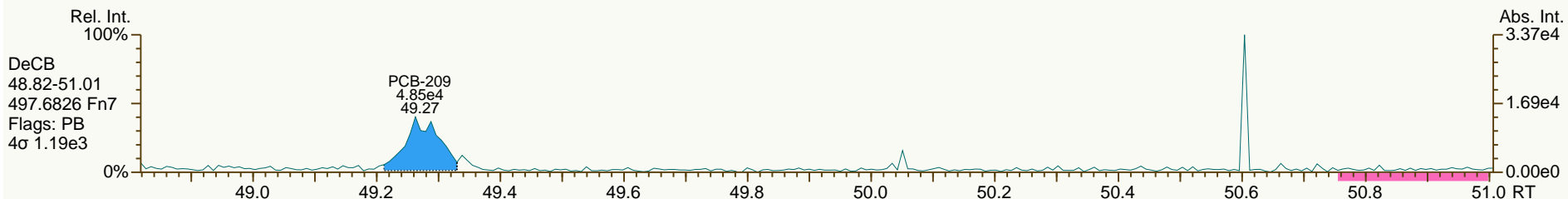
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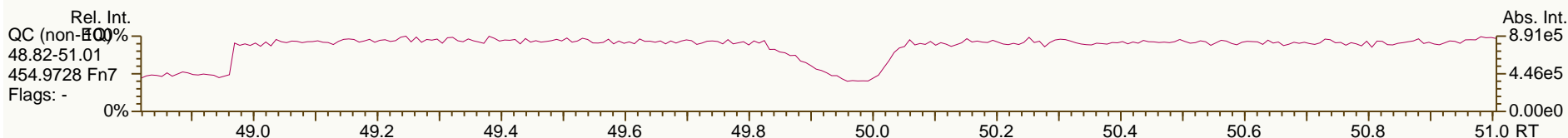
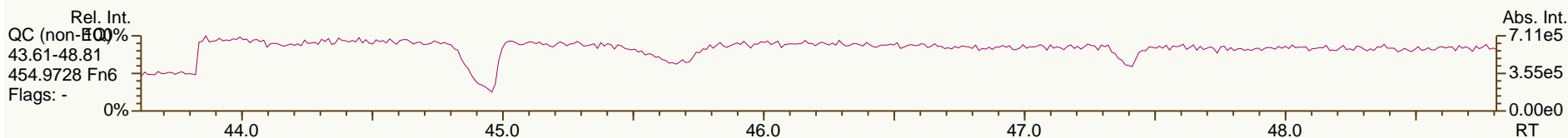
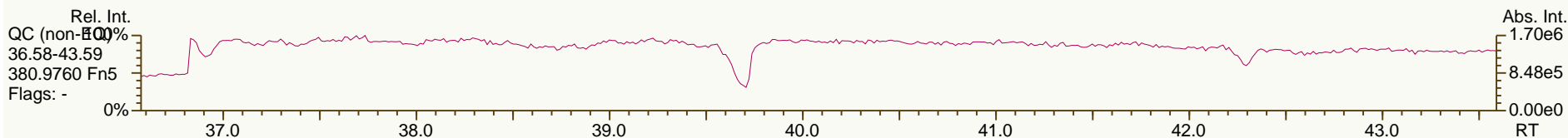
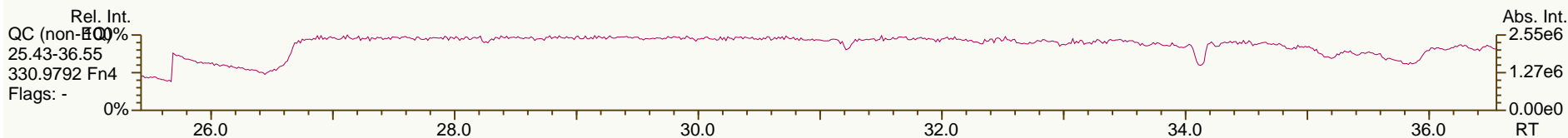
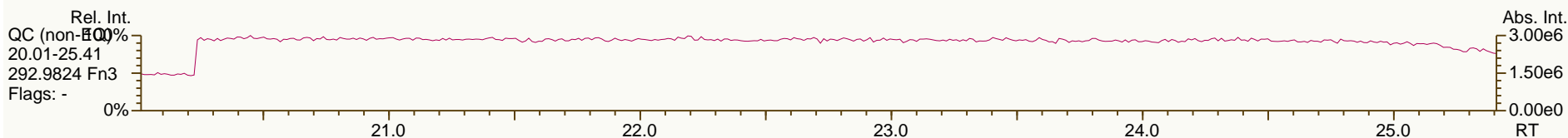
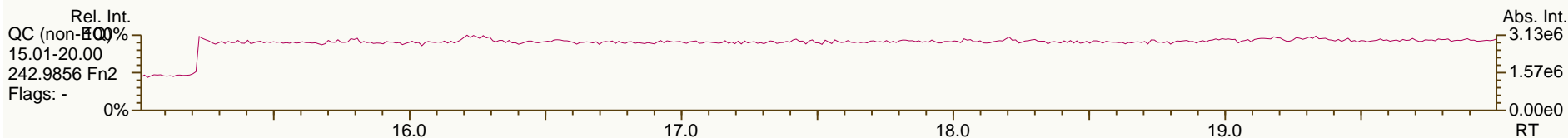
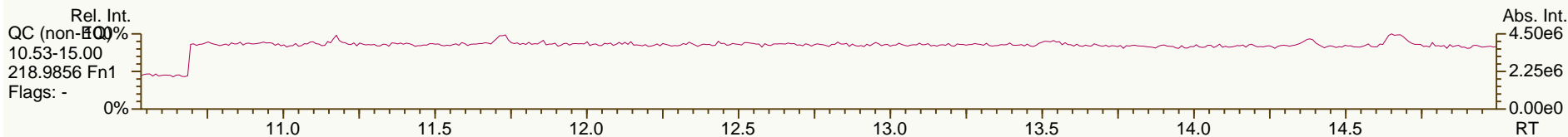
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AP Lab ID: A4373_9894_PCB_008
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA05-COMP-120509
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 58

Acq: 04-Jul-2012 05:07:13
 User: CEM Datafile: 120703V28



Lab ID: A4373_9894_PCB_009

ACQ: 04-Jul-2012 06:01:37 CEM

Wt/Vol: 5.84 g

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Client ID: JW-EA07-COMP-120507

UTP: 04-Jul-2012 15:31 CEM

J-level: 1.71 pg/g Split: 1

Checkcode: 864-538-JYB

Datafile: 120703V29

RPT: 04-Jul-2012 15:56 CM

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.17		1.0007	1.0007	0	1.60E+06	0.75	1.11	24.5	1.08E+04	1.65
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.13	ND	1.08E+04	1.64
PCB-105 233'44'-PeCB	34.14		1.0007	1.0007	0	1.01E+07	0.64	1.05	297	2.31E+03	0.703
PCB-114 2344'5'-PeCB	33.61		1.0007	1.0007	0	6.15E+05	0.64	1.15	14	2.31E+03	0.541
PCB-118 23'44'5'-PeCB	33.15		1.0008	1.0007	-0.2	3.09E+07	0.63	1.04	737	2.31E+03	0.554
PCB-123 23'44'5'-PeCB	32.88		1.0006	1.0008	+0.4	4.35E+05	0.68	1.01	11	2.31E+03	0.578
PCB-126 33'44'5'-PeCB	36.75		1.0005	1.0004	-0.2	1.00E+05	0.66	1.06	2.14	3.51E+03	0.778
PCB-156/157 ...-HxCB	39.30	C	1.0005	1.0002	-0.7	3.95E+06	1.26	1.16	107	3.06E+03	1.17
PCB-167 23'44'55'-HxCB	38.34		1.0006	1.0005	-0.2	1.26E+06	1.26	1.24	29.5	3.06E+03	0.727
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.19	ND	3.06E+03	1.07
PCB-189 233'44'55'-HpCB	44.20		1.0004	1.0004	0	2.24E+05	0.94	1.05	5.24	2.87E+03	0.692
PCB-209 DeCB	49.29		1.0004	1.0004	0	3.88E+05	1.15	1.09	21.7	2.43E+03	1.54
ES PCB-1	10.93		0.7216	0.7215	-0.1	1.53E+07	3.37	1.02	60.1 %	4%	100%
ES PCB-3	13.05		0.8614	0.8612	-0.2	1.59E+07	3.43	1.02	62.6 %	11%	106%
ES PCB-4	13.28		0.8767	0.8765	-0.2	1.06E+07	1.64	0.68	62.6 %	14%	107%
ES PCB-15	18.72		1.2346	1.2351	+0.6	2.45E+07	1.68	1.06	93 %	19%	107%
ES PCB-19	16.19		1.0683	1.0684	+0.1	1.09E+07	1.08	0.49	88.9 %	1%	108%
ES PCB-37	24.90		1.0817	1.0823	+0.9	2.08E+07	1.12	1.51	102 %	25%	123%
ES PCB-54	18.98		0.8258	0.8252	-0.7	1.32E+07	0.77	1.37	71.3 %	13%	105%
ES PCB-77	31.15	V	1.3528	1.3541	+2.4	2.01E+07	0.87	1.17	127 %	31%	109%
ES PCB-81	30.68	V	1.3325	1.3338	+2.4	2.06E+07	0.87	1.13	134 %	14%	127%
ES PCB-104	23.84		0.8252	0.8244	-1.1	1.46E+07	1.51	1.90	57.2 %	36%	115%
ES PCB-105	34.12		1.1796	1.1798	+0.4	1.10E+07	1.54	1.15	71.5 %	50%	111%
ES PCB-114	33.58		1.1611	1.1613	+0.4	1.31E+07	1.59	1.22	80 %	41%	121%
ES PCB-118	33.13		1.1454	1.1457	+0.6	1.38E+07	1.56	1.24	82.4 %	49%	111%
ES PCB-123	32.85		1.1358	1.1360	+0.4	1.34E+07	1.56	1.29	77.3 %	49%	116%
ES PCB-126	36.74		1.2698	1.2705	+1.5	1.52E+07	1.58	1.40	80.9 %	50%	106%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.75		0.8040	0.8037	-0.5	1.70E+07	1.33	1.45	105 %	25%	124%
ES PCB-156/157	39.29		1.0982	1.0985	+0.7	2.18E+07	1.28	0.94	103 %	40%	120%
ES PCB-167	38.32		1.0711	1.0714	+0.7	1.18E+07	1.27	0.93	113 %	45%	118%
ES PCB-169	42.04		1.1746	1.1753	+1.8	8.93E+06	1.40	0.88	91.2 %	37%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.58		0.7312	0.7303	-1.8	1.41E+07	1.03	1.52	83 %	23%	125%
ES PCB-189	44.19		0.9611	0.9609	-0.5	1.39E+07	1.07	2.05	103 %	47%	116%
ES PCB-202	38.12		0.8297	0.8289	-1.8	1.22E+07	0.86	1.21	90.4 %	31%	134%
ES PCB-205	46.39		1.0088	1.0088	0	7.29E+06	0.90	1.28	86.6 %	46%	115%
ES PCB-206	47.88		1.0412	1.0413	+0.3	5.83E+06	0.83	1.12	79.2 %	38%	122%
ES PCB-208	43.78		0.9525	0.9521	-1.1	9.40E+06	0.81	1.46	98 %	31%	126%
ES PCB-209	49.27		1.0713	1.0714	+0.3	5.63E+06	1.19	1.16	73.9 %	43%	115%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.41		0.9310	0.9307	-0.4	2.09E+07	1.11	1.09	92.4 %	14%	131%
CS/SS PCB-111	31.20	V	1.0789	1.0789	0	1.46E+07	1.58	0.93	117 %	57%	112%
CS/SS PCB-178	36.15		1.0108	1.0108	0	9.79E+06	1.02	0.63	111 %	57%	125%
CS PCB-28	21.41		0.9310	0.9307	-0.4	2.09E+07	1.11	1.64	94.3 %	14%	131%
CS PCB-111	31.20		1.0789	1.0789	0	1.46E+07	1.58	1.20	90.2 %	57%	112%
CS PCB-178	36.15		1.0108	1.0108	0	9.79E+06	1.02	0.95	92.3 %	57%	125%

JS PCB-9	15.16					2.49E+07	1.64				
JS PCB-52	23.00					1.35E+07	0.76				
JS PCB-101	28.92					1.34E+07	1.55				
JS PCB-138	35.77					1.12E+07	1.24				
JS PCB-194	45.98					6.56E+06	0.93				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	36.4	36.4	1.18
	Di-CBs	135	142	3.43
	Tri-CBs	628	628	1.86
	Tetra-CBs	2,470	2,480	1.25
	Penta-CBs	5,310	5,310	0.593
	Hexa-CBs	3,360	3,360	0.81
	Hepta-CBs	881	881	0.658
	Octa-CBs	264	272	0.806
	Nona-CBs	61	61	2.05

PCB-1 2-MoCB	10.95		1.0011	1.0011	0	6.84E+05	2.70	1.00	15.4	8.71E+03	1.05
PCB-2 3-MoCB	12.89		0.9879	0.9878	-0.1	3.23E+05	2.66	1.31	5.3	8.71E+03	0.96
PCB-3 4-MoCB	13.07		1.0010	1.0010	0	7.01E+05	2.83	0.96	15.7	8.71E+03	1.31
PCB-4 22'-DiCB	13.30		1.0011	1.0011	0	3.25E+05	1.65	0.82	12.7	1.64E+04	4.42
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	1.64E+04	2.47
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	1.92E+04	2.43
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	1.92E+04	2.1
PCB-6 23'-DiCB	15.54	EMPC	1.0252	1.0252	0	5.24E+05	1.31	1.03	7.11	1.92E+04	2.25
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	1.92E+04	2.23
PCB-8 24'-DiCB	15.94		1.0517	1.0517	0	2.47E+06	1.56	1.04	33.1	1.92E+04	2.22
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	1.92E+04	1.86
PCB-11 33'-DiCB	18.18		0.9713	0.9713	0	3.91E+06	1.58	1.06	51.3	1.92E+04	2.18
PCB-13/12 34'/34-DiCB	18.45	C	0.9861	0.9855	-0.7	4.15E+05	1.43	1.07	5.39	1.92E+04	2.15
PCB-15 44'-DiCB	18.74		1.0008	1.0008	0	2.20E+06	1.47	0.95	32.2	1.92E+04	2.43
PCB-19 22'6-TrCB	16.20		1.0011	1.0007	-0.4	1.37E+05	0.95	0.92	4.66	8.04E+03	2.07
PCB-30/18 246/22'5-TrCB	17.91	C	1.1054	1.1059	+0.5	2.48E+06	0.99	1.27	61.3	8.04E+03	1.5
PCB-17 22'4-TrCB	18.29		1.1291	1.1293	+0.2	1.07E+06	1.08	1.07	31.4	8.04E+03	1.78
PCB-27 23'6-TrCB	18.48		1.1406	1.1410	+0.4	2.10E+05	0.96	1.46	4.49	8.04E+03	1.3
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	8.04E+03	1.35
PCB-16 22'3-TrCB	18.69		1.1537	1.1541	+0.4	7.40E+05	1.08	0.82	28.4	8.04E+03	2.33

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.16		1.1827	1.1831	+0.5	1.30E+06	1.01	1.52	26.7	8.04E+03	1.25
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.15E+04	1.27
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.15E+04	1.23
PCB-26/29 23'5'/245-TrCB	20.68	C	0.8324	0.8307	-2.1	1.71E+06	1.06	1.43	19.6	1.15E+04	1.23
PCB-25 23'4-TrCB	20.89		0.8401	0.8392	-1.1	8.76E+05	1.10	1.44	10	1.15E+04	1.22
PCB-31 24'5-TrCB	21.16		0.8509	0.8501	-1.0	1.08E+07	1.05	1.47	120	1.15E+04	1.2
PCB-28/20 244'/233'-TrCB	21.43	C	0.8618	0.8607	-1.4	1.30E+07	1.05	1.42	152	1.15E+04	1.25
PCB-21/33 234/23'4'-TrCB	21.63	C	0.8687	0.8690	+0.4	5.37E+06	1.10	1.44	61.5	1.15E+04	1.23
PCB-22 234'-TrCB	21.97		0.8834	0.8826	-1.1	3.76E+06	1.03	1.33	46.6	1.15E+04	1.33
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.15E+04	1.19
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.15E+04	1.15
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.15E+04	1.28
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.15E+04	1.3
PCB-37 344'-TrCB	24.92		1.0008	1.0008	0	4.00E+06	1.08	1.07	61.6	1.15E+04	1.65
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.04	ND	3.61E+03	0.736
PCB-50/53 22'46/22'56'-TeCB	20.91	C	0.9106	0.9092	-1.8	8.11E+05	0.73	0.60	22.5	3.88E+03	1.11
PCB-45 22'36-TeCB	21.50		0.9351	0.9349	-0.3	6.02E+05	0.75	0.53	18.9	3.88E+03	1.26
PCB-51 22'46'-TeCB	21.58	EMPC	0.9384	0.9383	-0.1	1.60E+05	0.92	0.59	4.52	3.88E+03	1.13
PCB-46 22'36'-TeCB	21.77		0.9469	0.9465	-0.5	2.24E+05	0.73	0.49	7.52	3.88E+03	1.35
PCB-52 22'55'-TeCB	23.02		1.0010	1.0009	-0.1	1.82E+07	0.78	0.59	510	3.88E+03	1.13
PCB-73 23'5'6-TeCB	23.15	EMPC	1.0063	1.0065	+0.3	1.89E+04	0.61	0.77	0.41	3.88E+03	0.871
PCB-43 22'35-TeCB	23.24		1.0101	1.0101	0	1.84E+05	0.76	0.53	5.76	3.88E+03	1.26
PCB-69/49 23'46/22'45'-TeCB	23.45	C	1.0187	1.0196	+1.3	6.99E+06	0.76	0.72	161	3.88E+03	0.923
PCB-48 22'45-TeCB	23.70		1.0304	1.0305	+0.1	1.20E+06	0.78	0.60	33.5	3.88E+03	1.12
PCB-44/47/65 ...-TeCB	23.89	C	1.0396	1.0385	-1.6	1.07E+07	0.76	0.64	279	3.88E+03	1.04
PCB-59/62/75 ...-TeCB	24.18	C	1.0514	1.0513	-0.1	7.35E+05	0.76	0.81	15.1	3.88E+03	0.825
PCB-42 22'34'-TeCB	24.35		1.0582	1.0584	+0.3	1.75E+06	0.74	0.55	53.3	3.88E+03	1.22
PCB-41 22'34-TeCB	24.67		1.0722	1.0723	+0.1	4.28E+05	0.77	0.51	13.9	3.88E+03	1.31
PCB-71/40 23'4'6/22'33'-TeCB	24.77	C	1.0764	1.0769	+0.7	3.73E+06	0.78	0.60	103	3.88E+03	1.11
PCB-64 234'6-TeCB	24.97		1.0850	1.0856	+0.9	5.28E+06	0.77	0.86	102	3.88E+03	0.775
PCB-72 23'55'-TeCB	25.74	EMPC	0.8379	0.8390	+1.7	1.61E+05	0.60	1.24	2.17	1.08E+04	1.5
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	1.08E+04	1.41
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.08E+04	1.57
PCB-58 233'5'-TeCB	26.51		0.8642	0.8642	0	1.01E+06	0.75	1.21	13.9	1.08E+04	1.53
PCB-67 23'45-TeCB	26.76		0.8692	0.8722	+4.8	6.04E+05	0.77	1.26	7.98	1.08E+04	1.47
PCB-63 234'5-TeCB	26.95		0.8765	0.8785	+3.2	7.98E+05	0.73	1.28	10.4	1.08E+04	1.45
PCB-61/70/74/76 ...-TeCB	27.22	C	0.8856	0.8873	+2.8	4.54E+07	0.78	1.21	626	1.08E+04	1.54
PCB-66 23'44'-TeCB	27.48		0.8947	0.8956	+1.5	1.91E+07	0.78	1.12	283	1.08E+04	1.65
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	1.08E+04	1.57
PCB-56 233'4'-TeCB	28.03		0.9132	0.9136	+0.7	7.81E+06	0.78	1.12	116	1.08E+04	1.66
PCB-60 2344'-TeCB	28.22		0.9193	0.9197	+0.7	3.69E+06	0.77	1.17	52.6	1.08E+04	1.59
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.08E+04	1.41
PCB-79 33'45'-TeCB	29.86		0.9730	0.9732	+0.4	6.08E+05	0.70	1.34	7.54	1.08E+04	1.38
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.08E+04	1.71
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.02	ND	2.04E+03	0.402
PCB-96 22'366'-PeCB	24.16		1.0136	1.0134	-0.3	1.54E+05	0.68	0.97	3.71	2.04E+03	0.421
PCB-103 22'45'6-PeCB	25.90		0.8946	0.8956	+1.6	1.27E+05	0.57	0.87	3.72	2.31E+03	0.669
PCB-94 22'356'-PeCB	26.10		0.9008	0.9024	+2.5	5.67E+04	0.56	0.76	1.92	2.31E+03	0.772

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9137	-		0.00E+00		0.80	ND	2.31E+03	0.725
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	2.31E+03	0.722
PCB-102 22'456'-PeCB	26.72	EMPC	0.9247	0.9239	-1.3	1.22E+05	0.76	0.91	3.45	2.31E+03	0.643
PCB-98 22'34'6'-PeCB	26.51		0.9270	0.9167	-16.4	1.44E+07	0.64	0.76	487	2.31E+03	0.772
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	2.31E+03	0.779
PCB-91 22'34'6-PeCB	27.20		0.9394	0.9407	+2.1	3.16E+06	0.61	0.87	92.8	2.31E+03	0.669
PCB-84 22'33'6-PeCB	27.37		0.9457	0.9467	+1.6	5.98E+06	0.63	0.70	219	2.31E+03	0.834
PCB-89 22'346'-PeCB	27.78		0.9599	0.9606	+1.2	1.85E+05	0.70	0.73	6.51	2.31E+03	0.801
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	2.31E+03	0.529
PCB-92 22'355'-PeCB	28.44		0.9834	0.9836	+0.3	4.71E+06	0.63	0.77	157	2.31E+03	0.762
PCB-113/90/101 ...-PeCB	28.94	C	0.9998	1.0008	+1.7	3.04E+07	0.63	0.91	856	2.31E+03	0.642
PCB-83 22'33'5-PeCB	29.33		1.0145	1.0143	-0.4	1.22E+06	0.64	0.68	45.9	2.31E+03	0.86
PCB-99 22'44'5-PeCB	29.44		1.0180	1.0179	-0.2	1.33E+07	0.64	0.82	415	2.31E+03	0.708
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	2.31E+03	0.544
PCB-108/119/86/97/125...-PeCB	29.90	C	1.0330	1.0339	+1.6	2.06E+07	0.63	0.90	586	2.31E+03	0.648
PCB-117 234'56-PeCB	30.39		1.0513	1.0510	-0.5	6.64E+05	0.64	0.99	17.2	2.31E+03	0.59
PCB-116/85 23456/22'344'-PeCB	30.47	C	1.0541	1.0536	-0.9	4.55E+06	0.64	0.92	126	2.31E+03	0.633
PCB-110 233'4'6-PeCB	30.60		1.0584	1.0583	-0.2	3.98E+07	0.63	0.98	1,040	2.31E+03	0.594
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	2.31E+03	0.558
PCB-82 22'33'4-PeCB	30.87		1.0677	1.0675	-0.4	2.48E+06	0.63	0.64	98.7	2.31E+03	0.909
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	2.31E+03	0.568
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	2.31E+03	0.532
PCB-107/124 ...-PeCB	32.57	C	0.9913	0.9915	+0.4	1.18E+06	0.64	0.95	31.6	2.31E+03	0.611
PCB-109 233'46-PeCB	32.77		0.9975	0.9977	+0.4	2.12E+06	0.63	1.05	51.6	2.31E+03	0.555
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	2.31E+03	0.642
PCB-122 233'4'5'-PeCB	33.43		1.0092	1.0092	0	3.02E+05	0.61	1.01	7.82	2.31E+03	0.617
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	2.31E+03	0.795
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.04	ND	1.53E+03	0.281
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.53E+03	0.282
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.53E+03	0.289
PCB-136 22'33'66'-HxCB	29.35		1.0209	1.0208	-0.2	4.06E+06	1.22	0.96	85.3	1.53E+03	0.304
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.53E+03	0.299
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.53E+03	0.398
PCB-151/135 ...-HxCB	31.40	C	1.0926	1.0924	-0.4	6.96E+06	1.23	0.71	198	1.53E+03	0.412
PCB-154 22'44'56'-HxCB	31.62		1.1001	1.1001	0	3.76E+05	1.23	0.81	9.28	1.53E+03	0.357
PCB-144 22'345'6-HxCB	31.88		1.1089	1.1089	0	1.12E+06	1.20	0.72	31.4	1.53E+03	0.405
PCB-147/149 ...-HxCB	32.17	C	1.1193	1.1192	-0.2	1.89E+07	1.25	0.74	516	1.53E+03	0.395
PCB-134 22'33'56-HxCB	32.34		1.1251	1.1252	+0.2	1.35E+06	1.26	0.63	43.5	1.53E+03	0.465
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.53E+03	0.433
PCB-139/140 ...-HxCB	32.69	C	1.1372	1.1371	-0.2	5.85E+05	1.21	0.70	16.8	1.53E+03	0.415
PCB-131 22'33'46-HxCB	32.85		1.1428	1.1429	+0.2	3.70E+05	1.23	0.62	12	1.53E+03	0.471
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.53E+03	0.47
PCB-132 22'33'46'-HxCB	33.23		1.1559	1.1560	+0.2	8.28E+06	1.23	0.63	264	1.53E+03	0.462
PCB-133 22'33'55'-HxCB	33.67		1.1710	1.1713	+0.6	3.46E+05	1.31	0.68	10.3	1.53E+03	0.431
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.53E+03	0.355
PCB-146 22'34'55'-HxCB	34.22		0.9569	0.9567	-0.4	3.81E+06	1.20	0.72	106	1.53E+03	0.404
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.53E+03	0.319
PCB-153/168 ...-HxCB	34.74	C	0.9720	0.9713	-1.5	2.38E+07	1.26	0.85	567	1.53E+03	0.344

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	34.90		0.9758	0.9757	-0.2	3.69E+06	1.19	0.68	109	1.53E+03	0.428
PCB-130 22'33'45'-HxCB	35.24		0.9853	0.9853	0	1.63E+06	1.23	0.60	54.6	1.53E+03	0.485
PCB-137 22'344'5'-HxCB	35.44		0.9908	0.9908	0	1.52E+06	1.26	0.64	48.2	1.53E+03	0.458
PCB-164 233'4'5'6'-HxCB	35.52		0.9931	0.9931	0	2.20E+06	1.27	0.91	48.7	1.53E+03	0.32
PCB-163/138/129 ...-HxCB	35.79	C	1.0011	1.0007	-0.9	3.02E+07	1.25	0.71	860	1.53E+03	0.412
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.53E+03	0.347
PCB-158 233'44'6'-HxCB	36.12		1.0101	1.0100	-0.2	3.87E+06	1.25	0.89	87.4	1.53E+03	0.327
PCB-128/166 ...-HxCB	36.86	C	0.9619	0.9618	-0.2	4.75E+06	1.28	0.93	149	3.06E+03	0.975
PCB-159 233'455'-HxCB	37.66		0.9838	0.9827	-2.5	1.73E+05	1.31	1.15	4.37	3.06E+03	0.785
PCB-162 233'4'55'-HxCB	37.93		0.9900	0.9899	-0.2	1.09E+05	1.36	1.08	2.95	3.06E+03	0.838
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.94	ND	1.33E+03	0.325
PCB-179 22'33'566'-HpCB	33.87		1.0086	1.0086	0	1.93E+06	1.03	0.93	50.8	1.33E+03	0.331
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.33E+03	0.32
PCB-176 22'33'466'-HpCB	34.62		1.0309	1.0310	+0.2	5.44E+05	1.02	1.04	12.7	1.33E+03	0.294
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.33E+03	0.31
PCB-178 22'33'55'6'-HpCB	36.17		1.0769	1.0772	+0.7	6.97E+05	1.11	0.72	23.6	1.33E+03	0.427
PCB-175 22'33'45'6'-HpCB	36.72		1.0929	1.0934	+1.1	1.45E+05	1.07	0.74	4.78	2.40E+03	0.749
PCB-187 22'34'55'6'-HpCB	36.95		1.0998	1.1002	+0.9	4.25E+06	1.02	0.80	130	2.40E+03	0.693
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	2.40E+03	0.677
PCB-183 22'344'5'6'-HpCB	37.47		1.1152	1.1159	+1.6	2.46E+06	1.04	0.82	73.4	2.40E+03	0.677
PCB-185 22'3455'6'-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	2.40E+03	0.712
PCB-174 22'33'456'-HpCB	37.65		1.1207	1.1212	+1.1	2.97E+06	1.06	0.72	99.9	2.40E+03	0.762
PCB-177 22'33'45'6'-HpCB	38.03		1.1319	1.1323	+0.9	1.80E+06	1.07	0.62	70.8	2.40E+03	0.891
PCB-181 22'344'56'-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	2.40E+03	0.706
PCB-171/173 ...-HpCB	38.56	C	1.1474	1.1483	+2.1	9.80E+05	1.02	0.67	35.6	2.40E+03	0.825
PCB-172 22'33'455'-HpCB	39.94		0.9042	0.9038	-1.0	5.39E+05	1.02	0.71	18.8	2.40E+03	0.866
PCB-192 233'455'6'-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	2.40E+03	0.627
PCB-180/193 ...-HpCB	40.49	C	0.9160	0.9164	+1.0	7.60E+06	1.06	0.82	228	2.40E+03	0.743
PCB-191 233'44'5'6'-HpCB	40.79		0.9234	0.9231	-0.7	1.73E+05	0.99	0.99	4.32	2.40E+03	0.619
PCB-170 22'33'44'5'-HpCB	41.55		0.9406	0.9403	-0.7	2.84E+06	1.06	0.67	104	2.40E+03	0.905
PCB-190 233'44'56'-HpCB	42.01		0.9509	0.9506	-0.8	7.01E+05	1.08	0.88	19.5	2.40E+03	0.69
PCB-202 22'33'55'66'-OoCB	38.14		1.0006	1.0006	0	5.19E+05	0.80	0.86	17	1.94E+03	0.639
PCB-201 22'33'45'66'-OoCB	38.92		1.0211	1.0212	+0.2	3.20E+05	0.78	1.05	8.51	1.94E+03	0.52
PCB-204 22'344'566'-OoCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.94E+03	0.582
PCB-197 22'33'44'66'-OoCB	39.69	J	1.0412	1.0413	+0.2	5.43E+04	0.91	1.07	1.42	1.94E+03	0.512
PCB-200 22'33'4566'-OoCB	39.77	EMPC	1.0433	1.0435	+0.5	2.21E+05	1.07	0.97	6.35	1.94E+03	0.563
PCB-198/199 ...-OoCB	42.15	C	1.1049	1.1059	+2.5	1.62E+06	0.87	0.62	73	1.94E+03	0.882
PCB-196 22'33'44'56'-OoCB	42.71		1.1201	1.1206	+1.3	6.99E+05	0.93	0.63	31.1	1.94E+03	0.871
PCB-203 22'344'55'6'-OoCB	42.89		1.1245	1.1251	+1.5	1.07E+06	0.97	0.68	44.6	1.94E+03	0.812
PCB-195 22'33'44'56'-OoCB	44.00		0.9489	0.9485	-1.1	3.98E+05	0.91	0.87	21.4	2.37E+03	1.34
PCB-194 22'33'44'55'-OoCB	46.00		0.9917	0.9917	0	1.19E+06	0.94	0.84	66.7	2.37E+03	1.4
PCB-205 233'44'55'6'-OoCB	46.41	EMPC	1.0004	1.0004	0	5.86E+04	1.21	1.20	2.3	2.37E+03	0.973
PCB-208 22'33'455'66'-NoCB	43.80		1.0005	1.0005	0	3.20E+05	0.74	1.01	11.6	4.06E+03	1.45
PCB-207 22'33'44'566'-NoCB	44.60		1.0186	1.0187	+0.3	1.44E+05	0.73	1.00	5.26	4.06E+03	1.46
PCB-206 22'33'44'55'6'-NoCB	47.90		1.0004	1.0004	0	7.17E+05	0.75	0.95	44.2	4.06E+03	2.64

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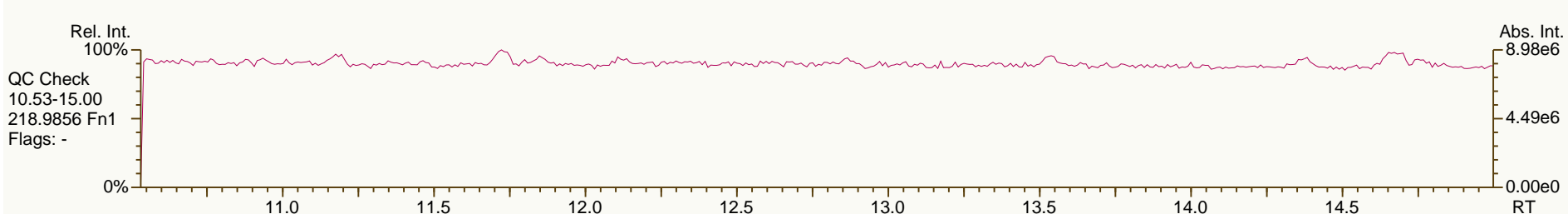
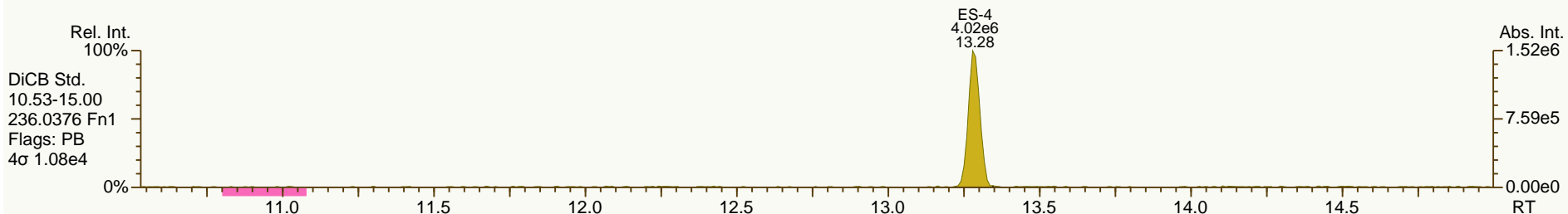
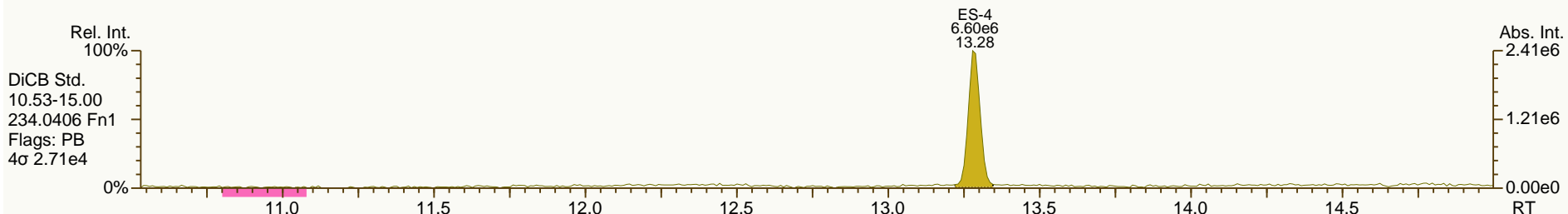
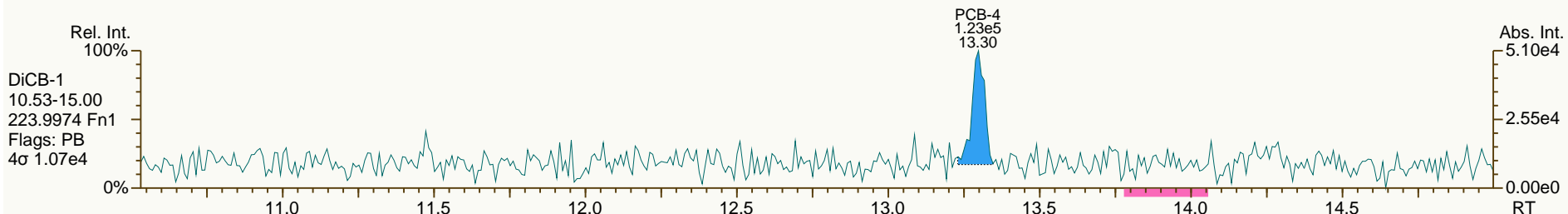
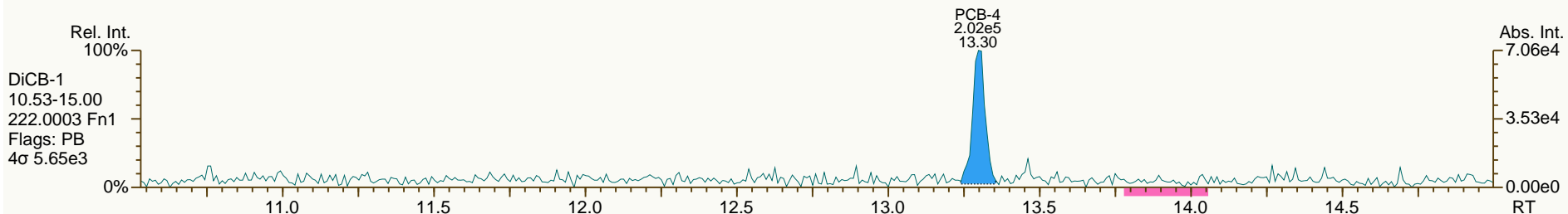
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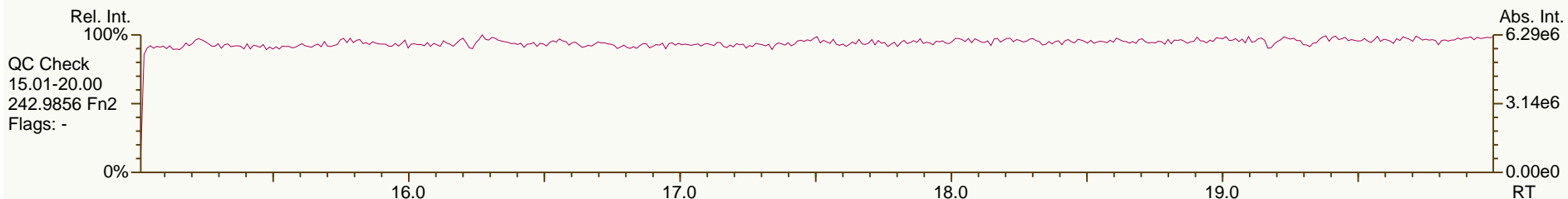
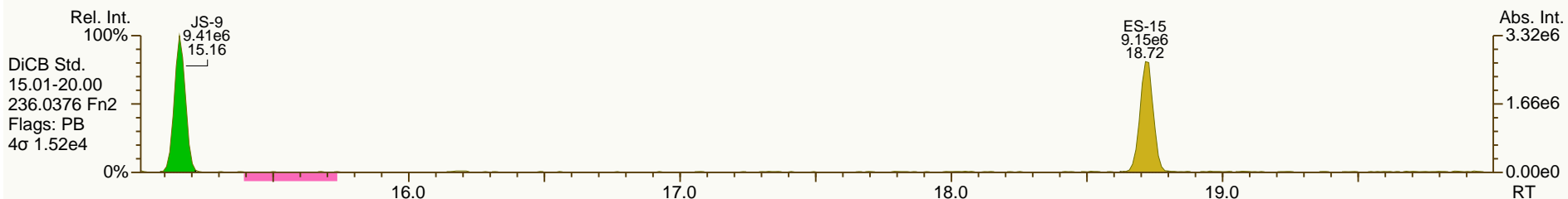
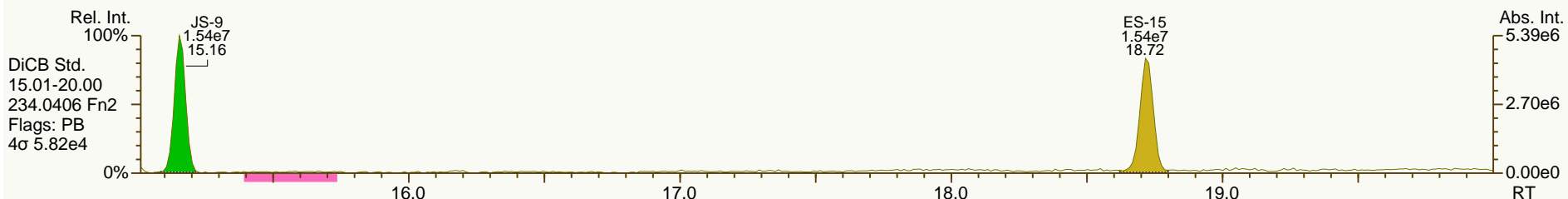
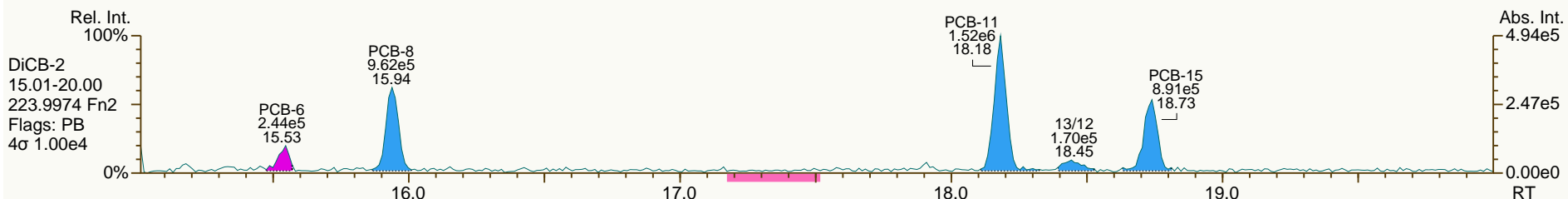
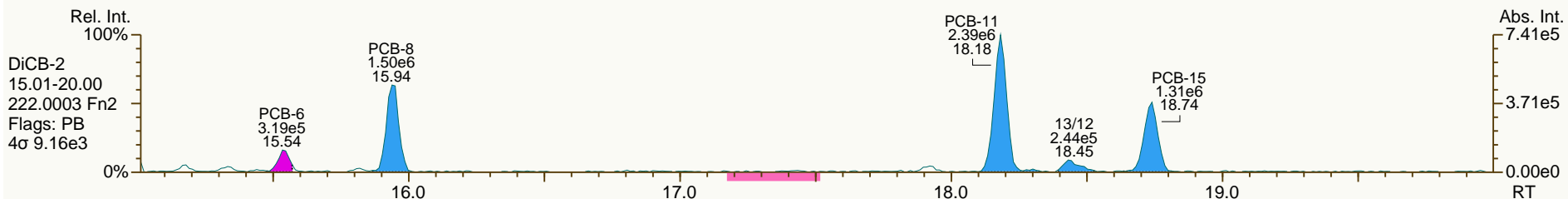
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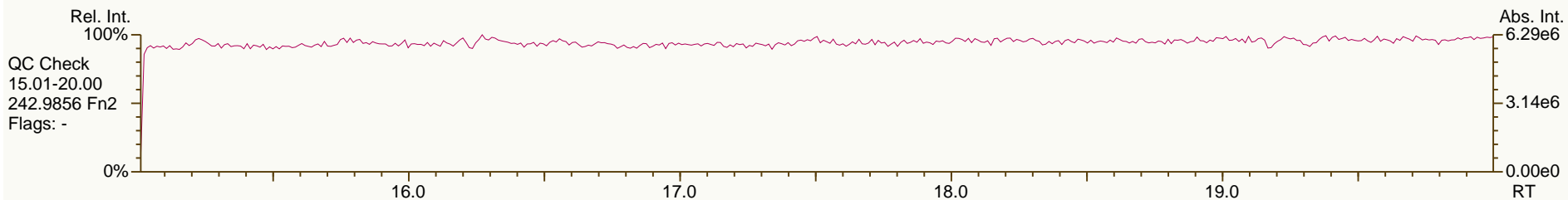
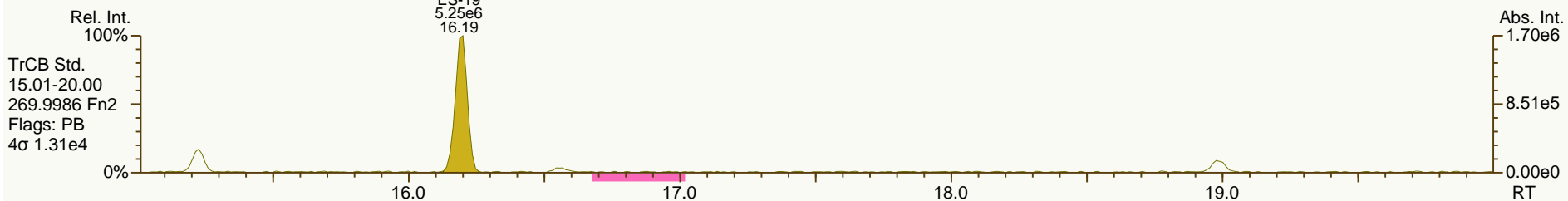
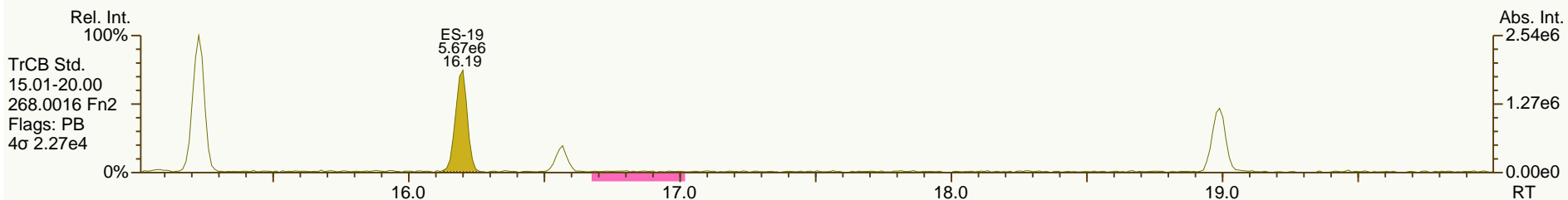
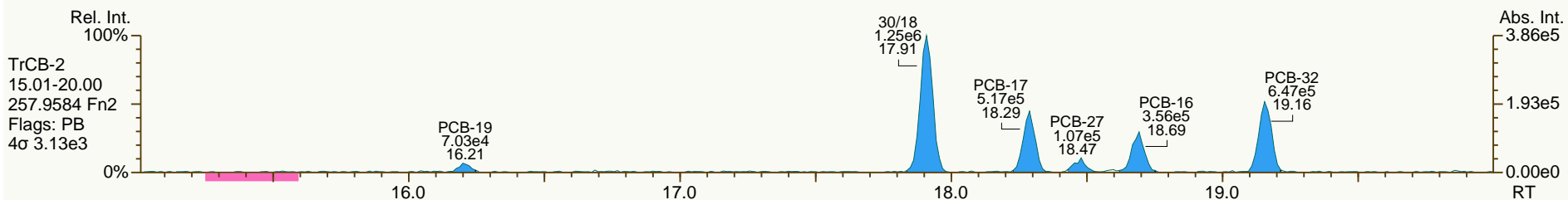
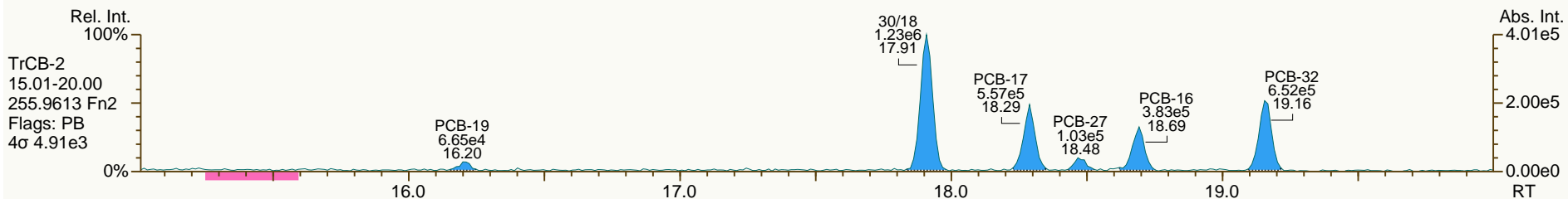
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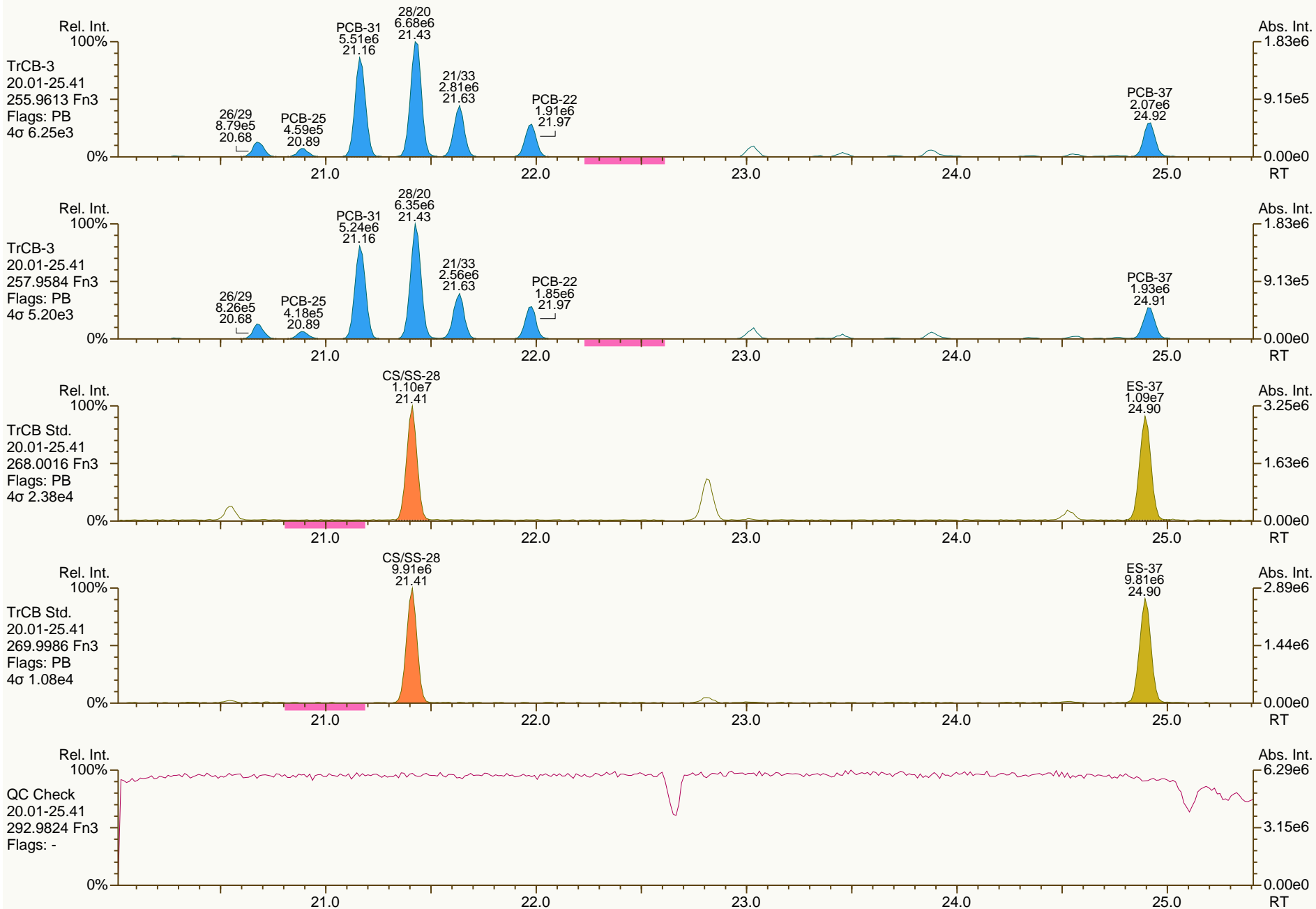
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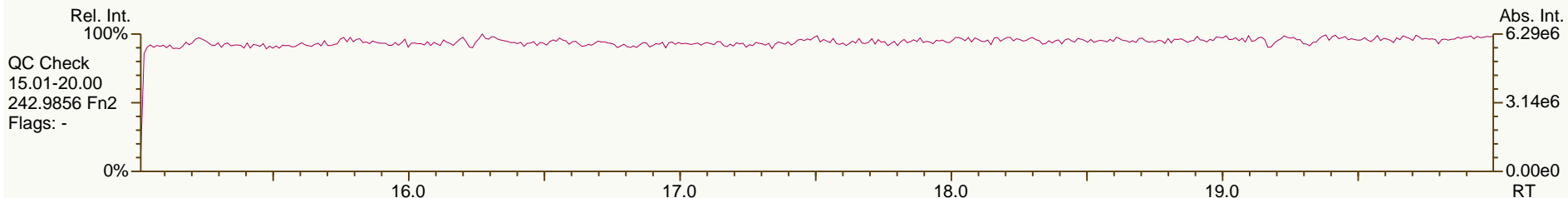
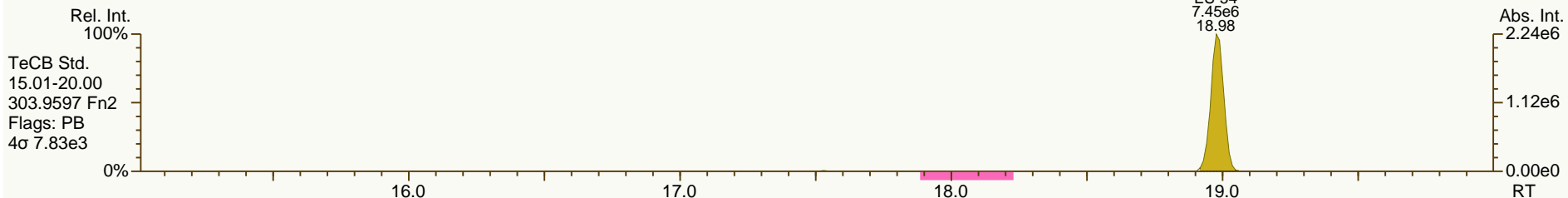
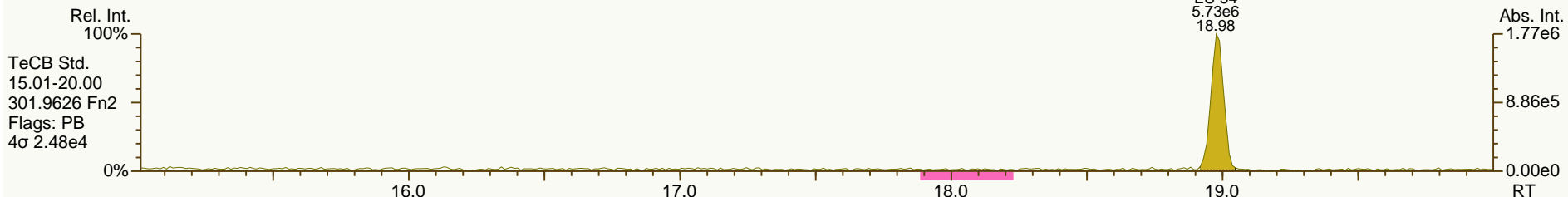
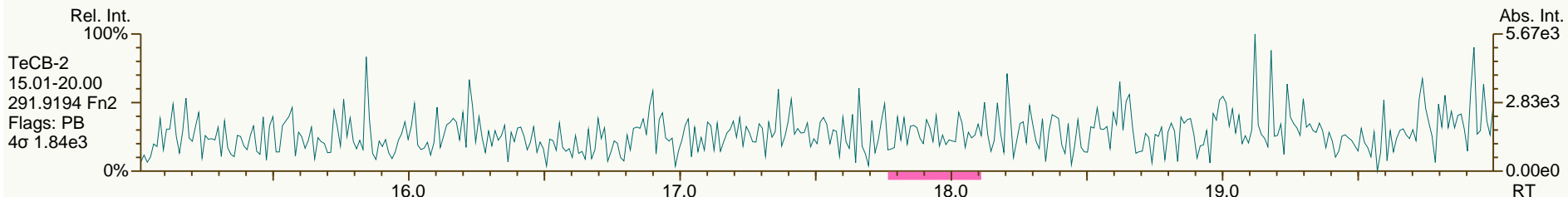
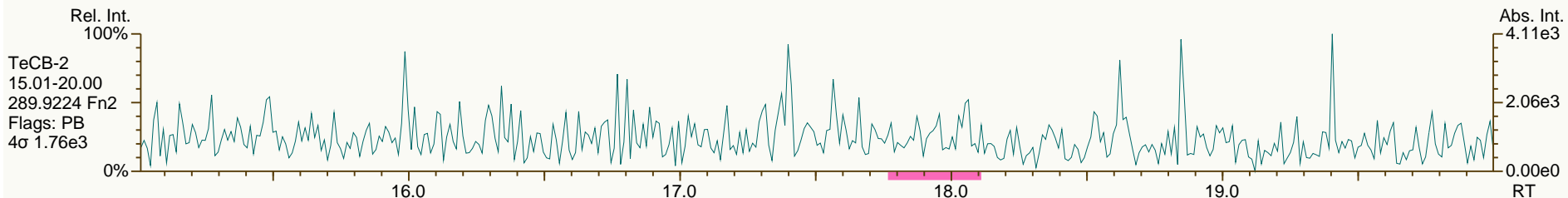
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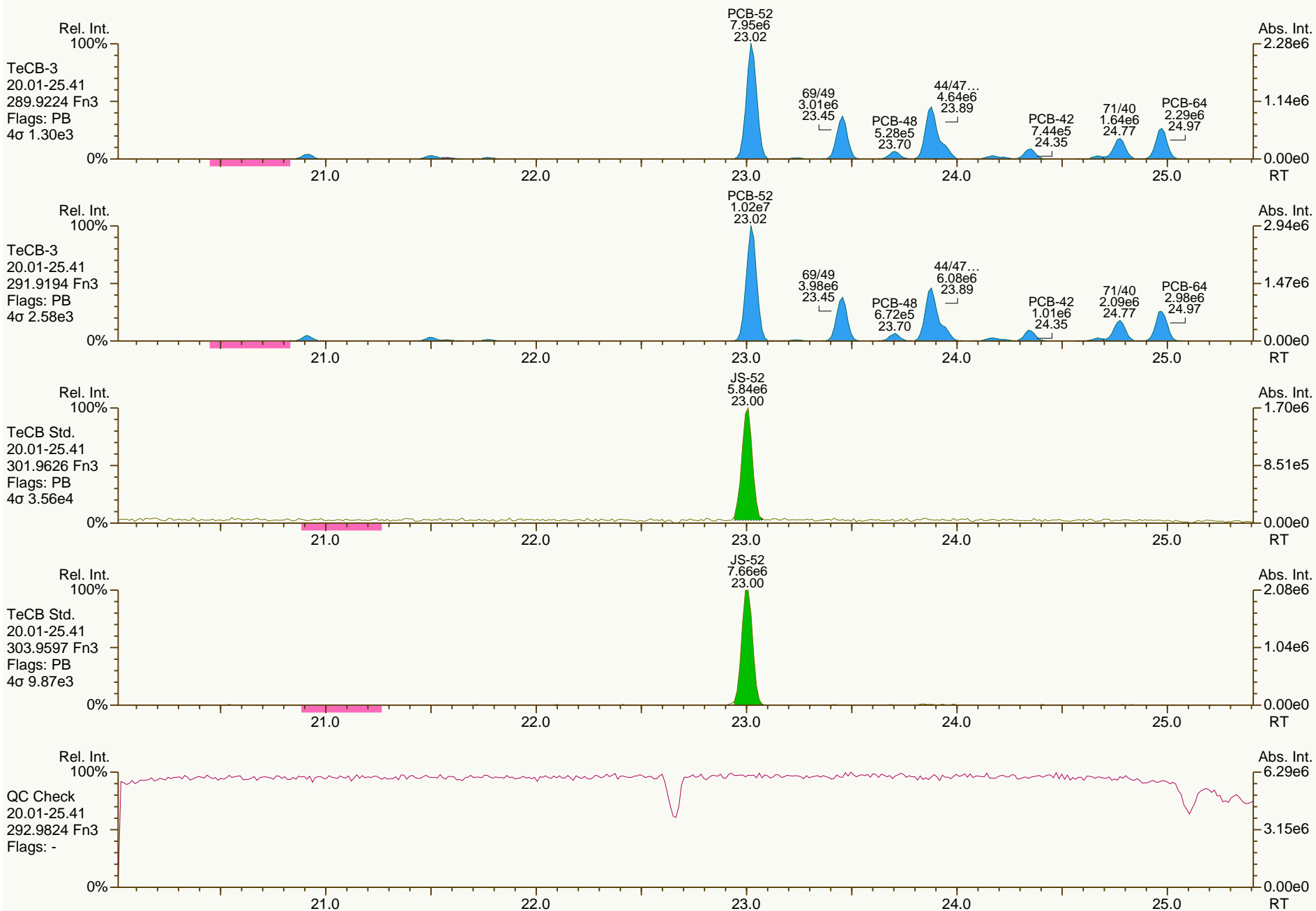
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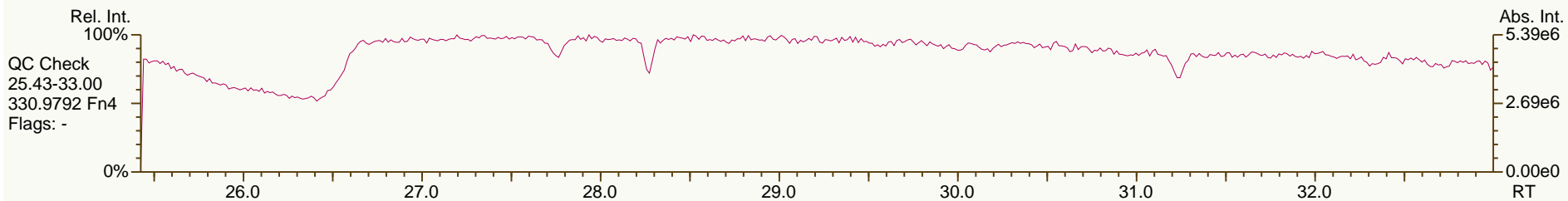
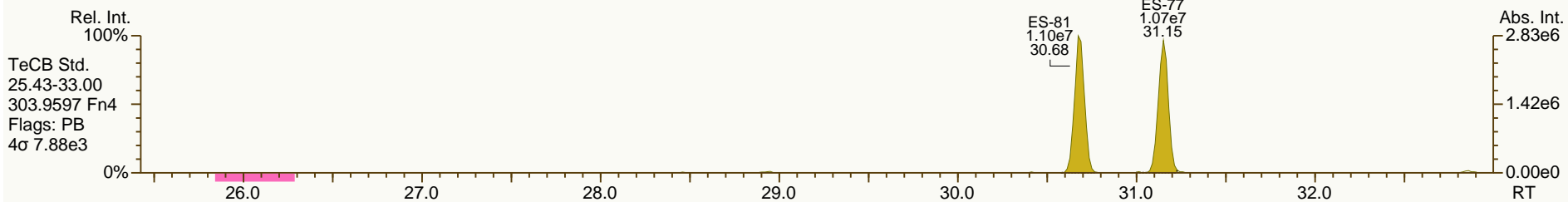
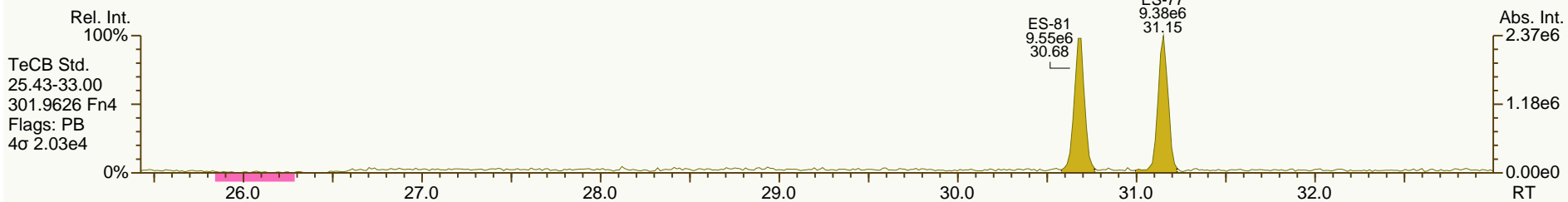
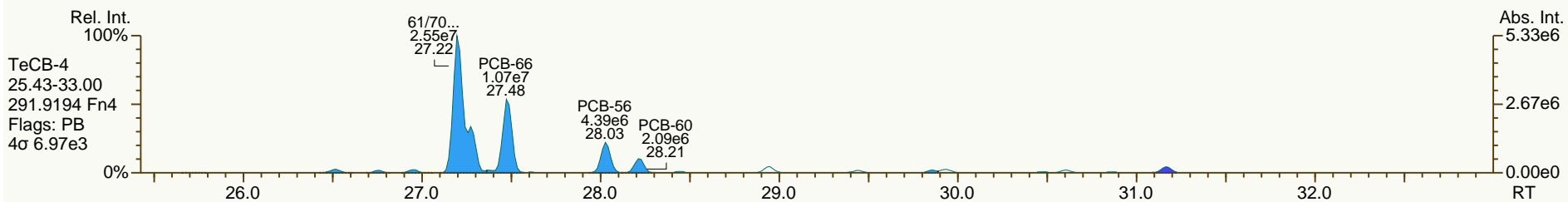
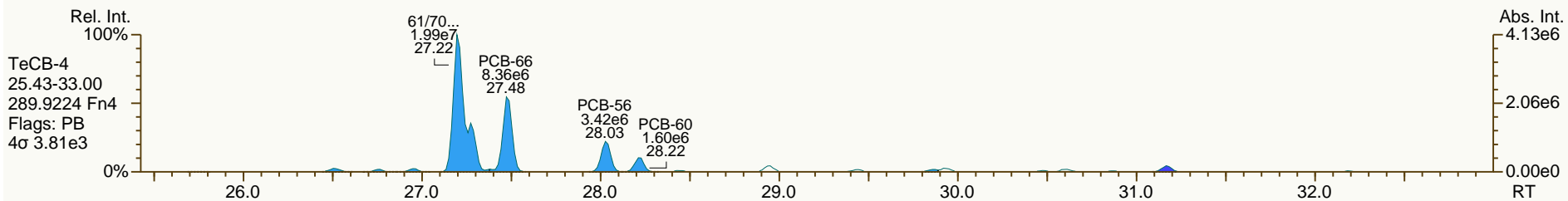
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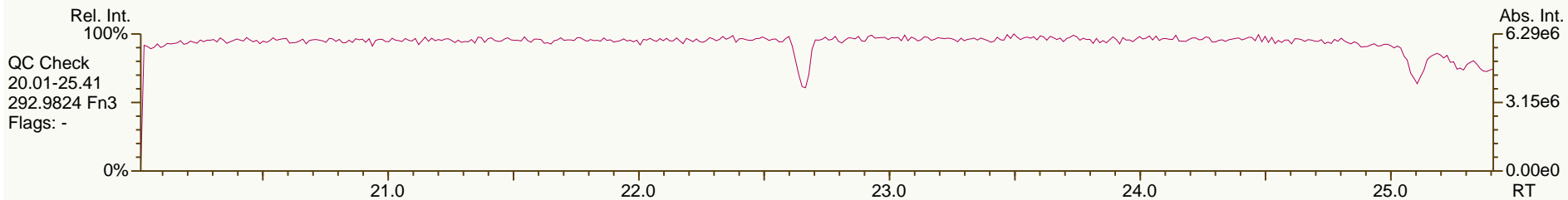
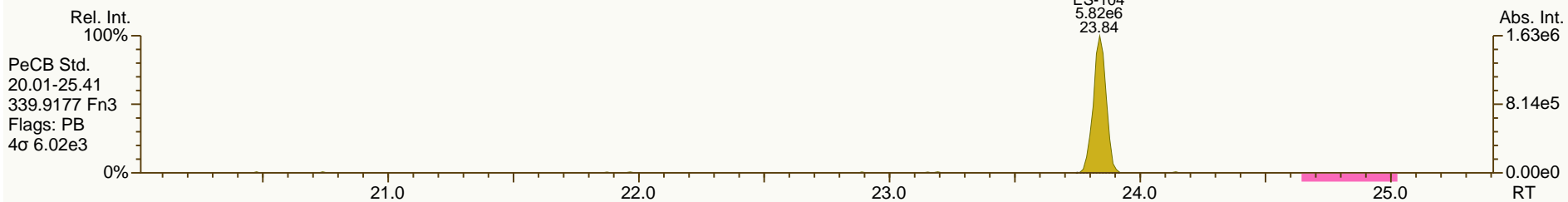
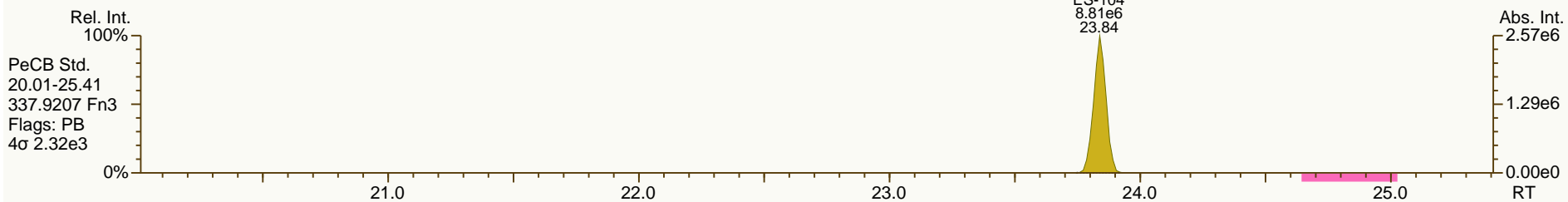
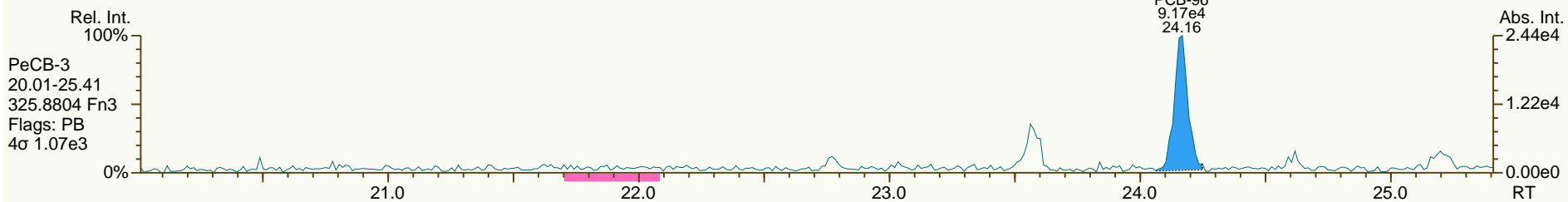
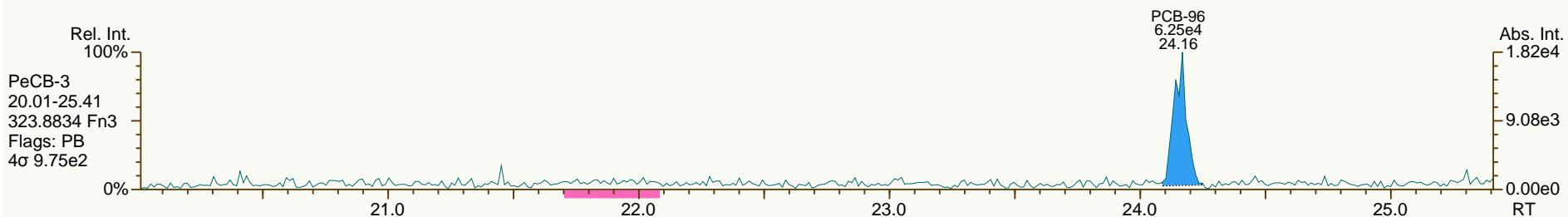
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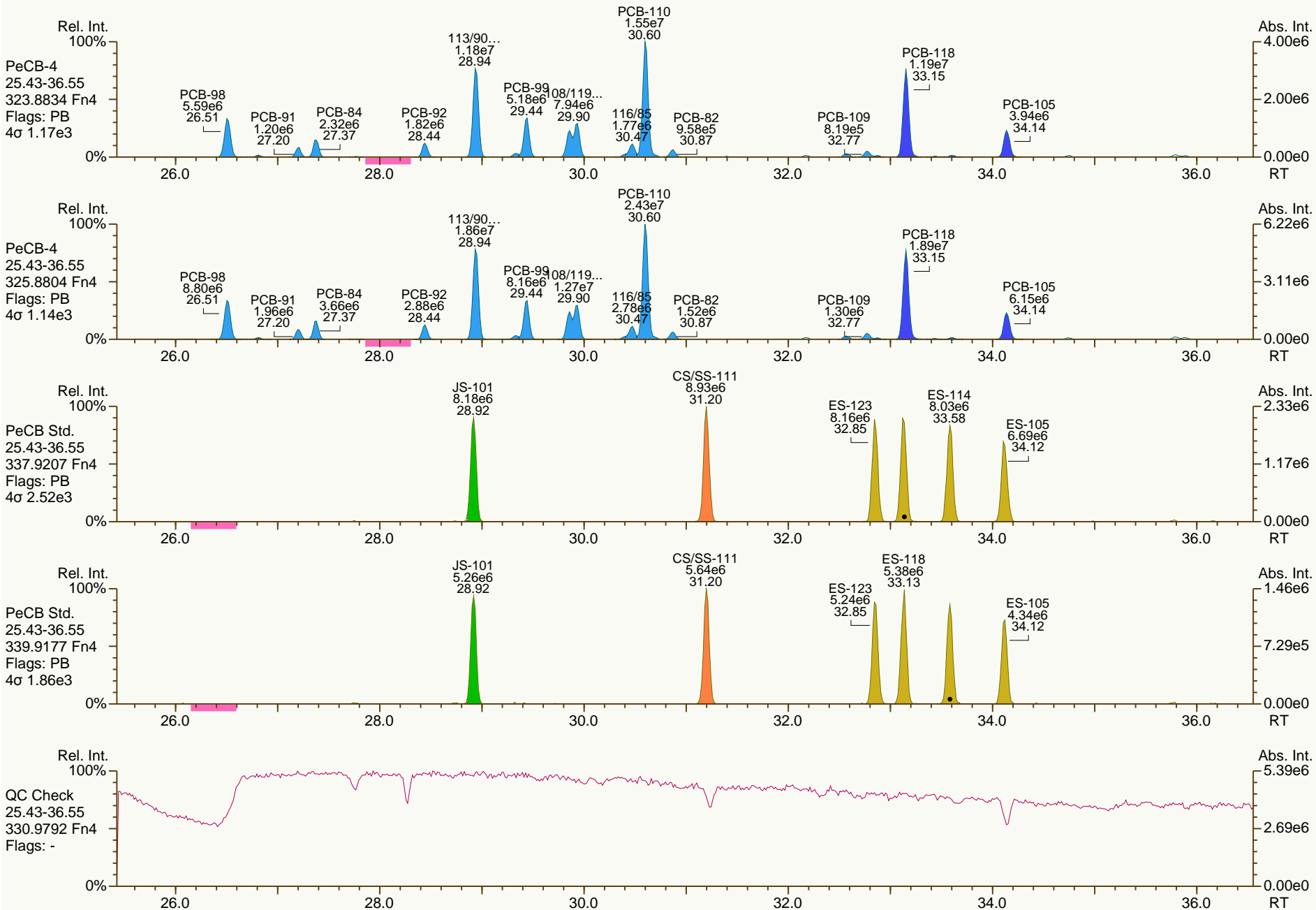
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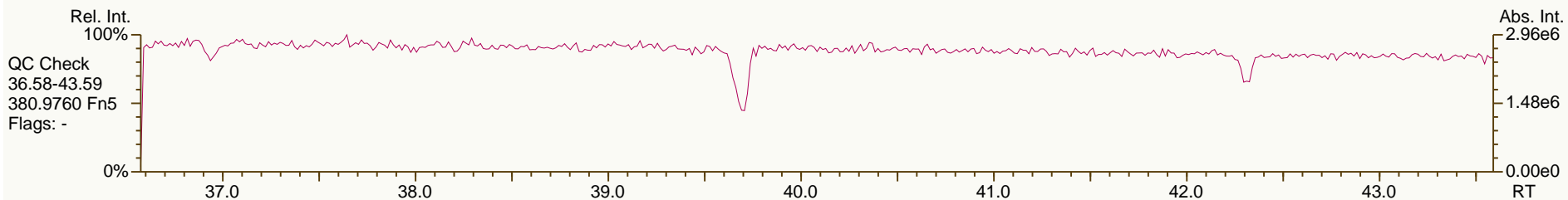
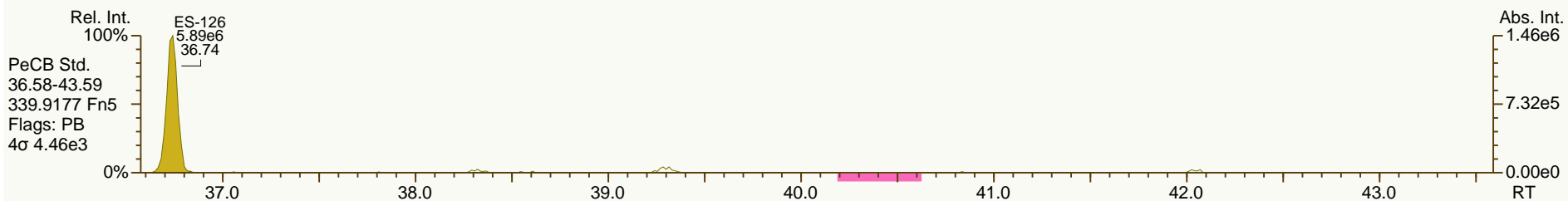
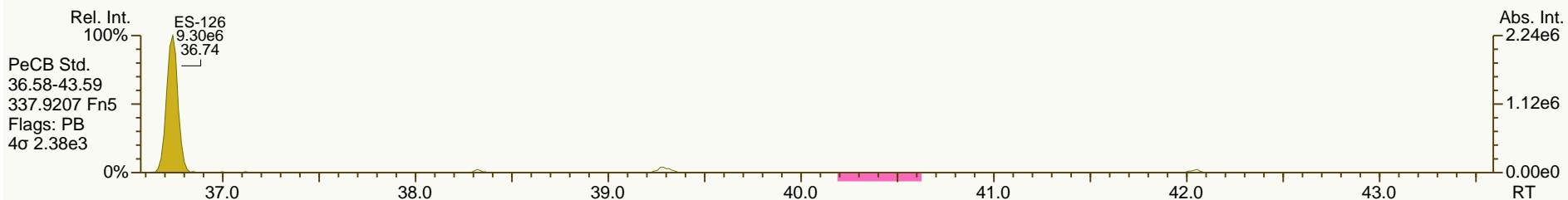
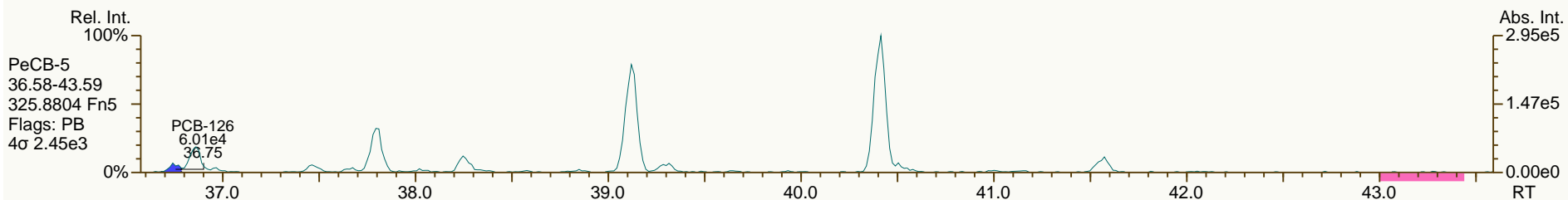
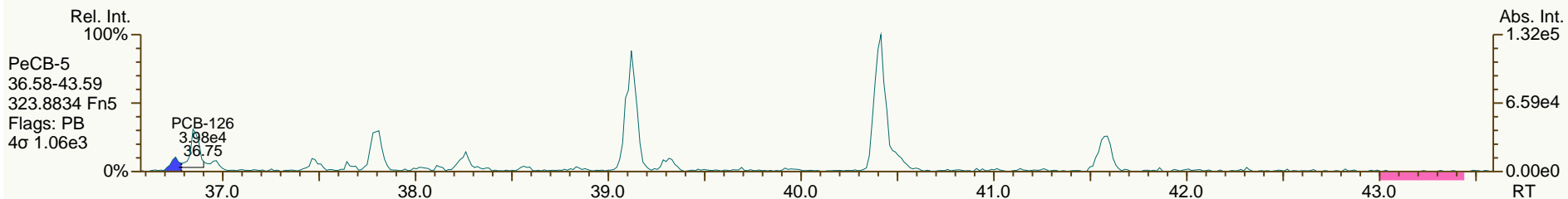
Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

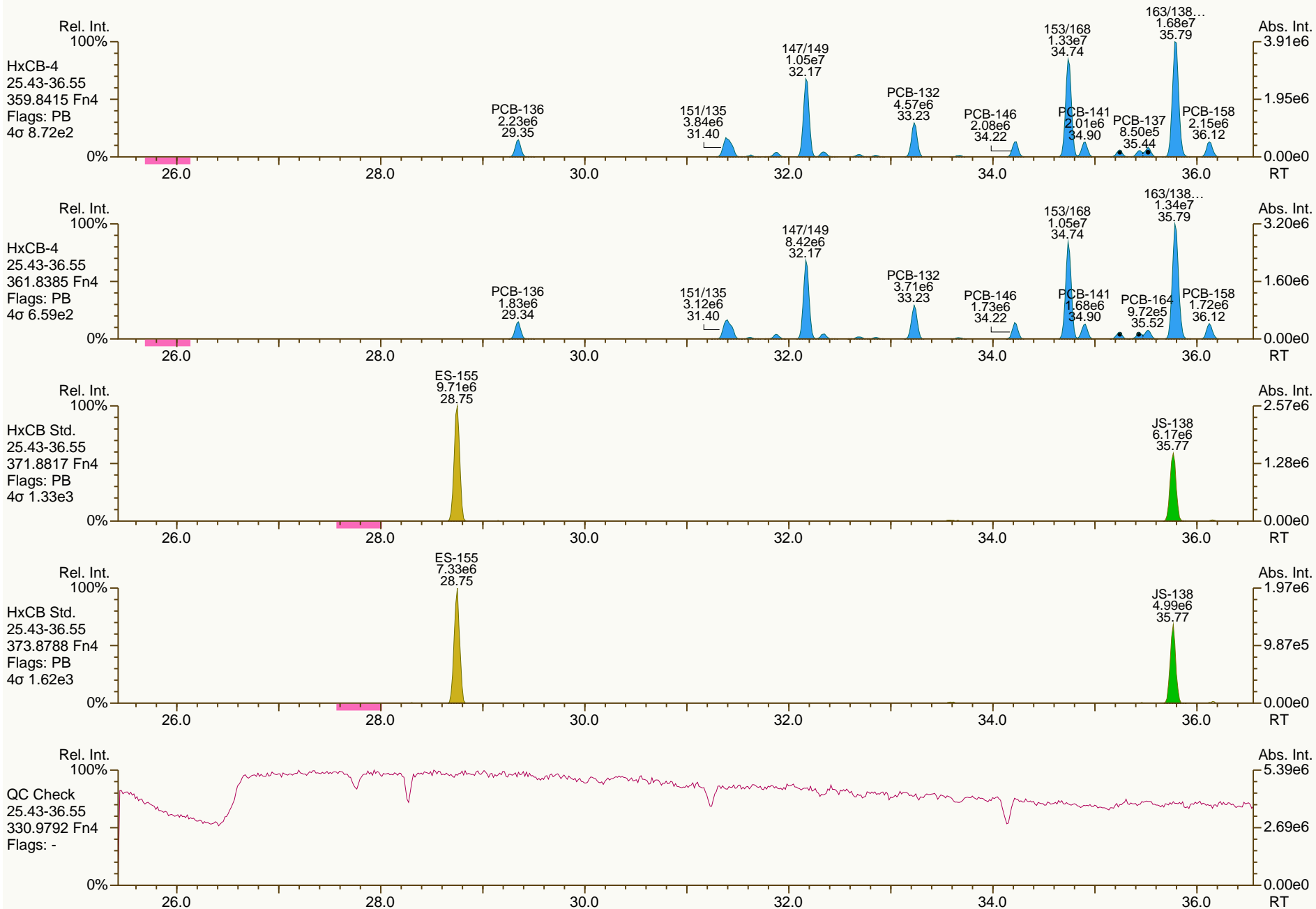
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 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

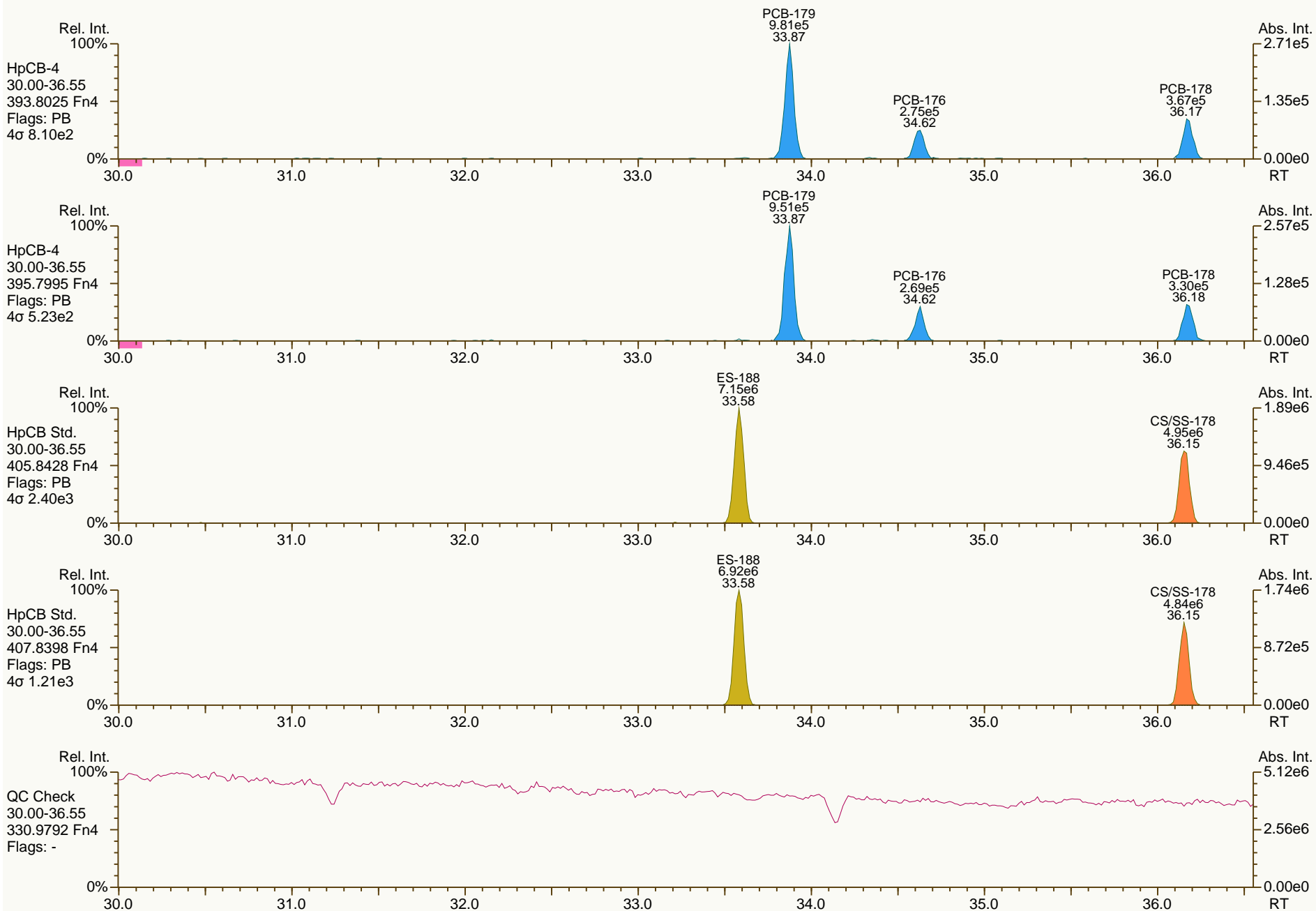
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AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

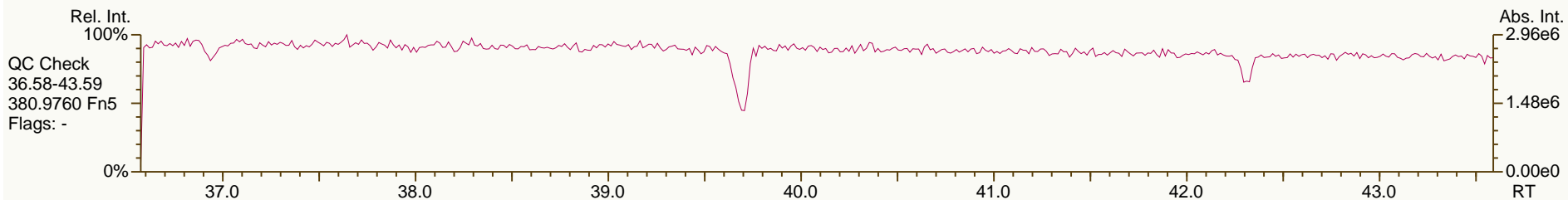
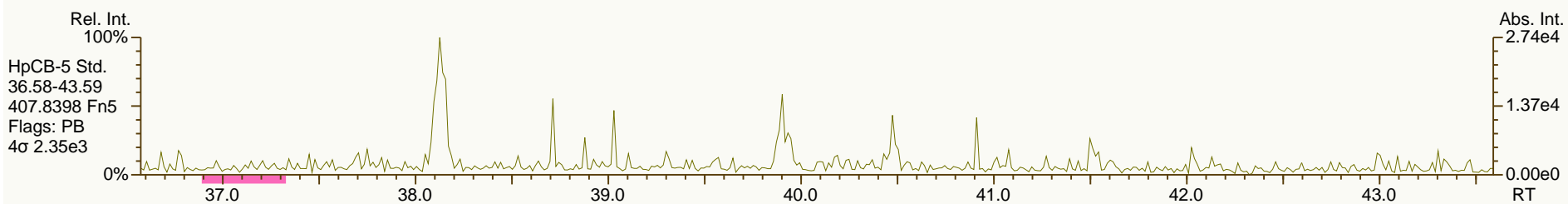
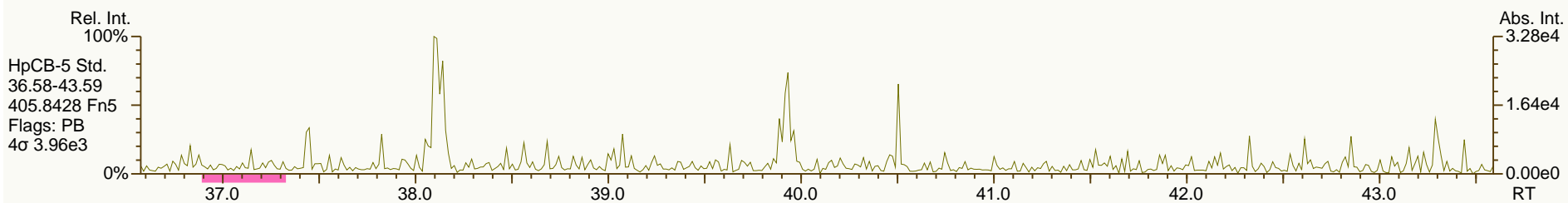
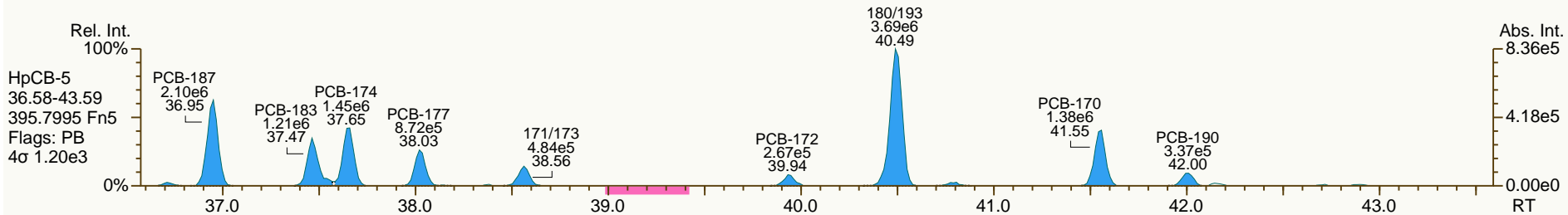
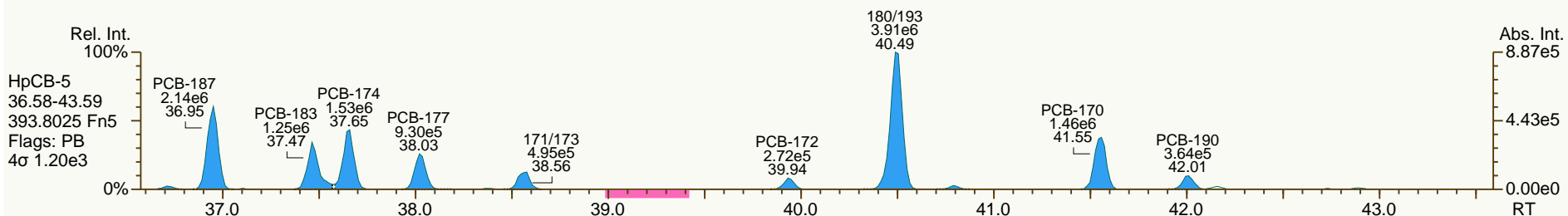
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 User: CEM Datafile: 120703V29



AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

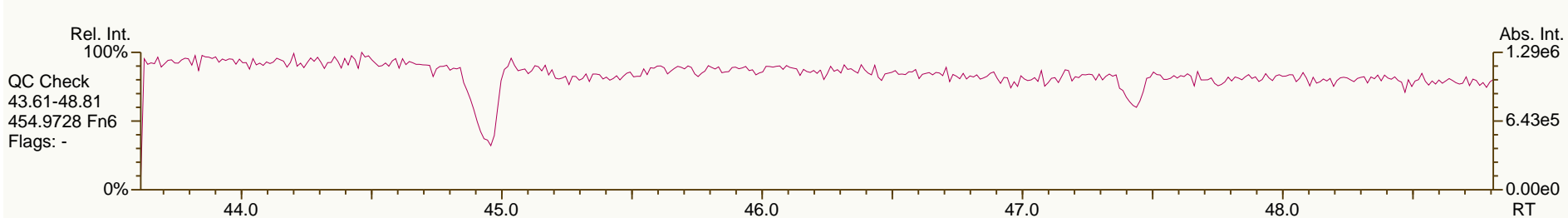
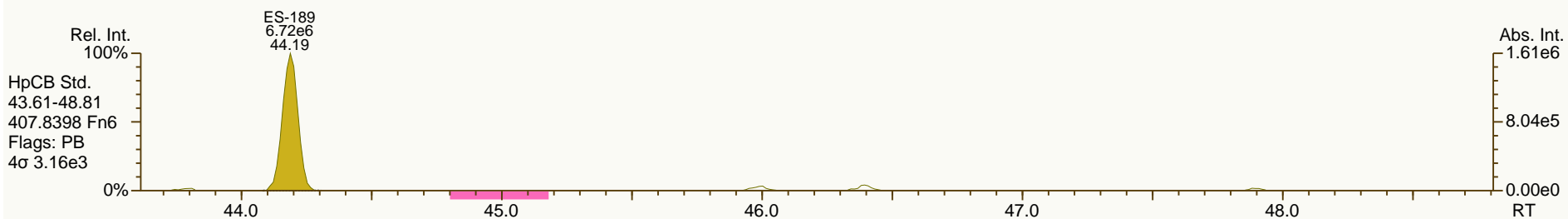
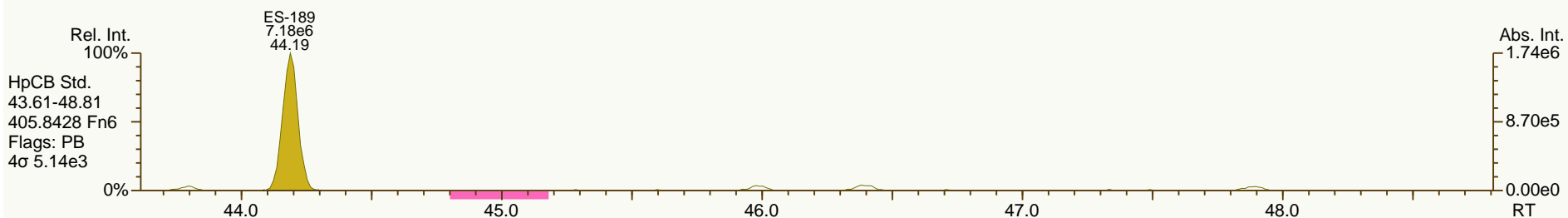
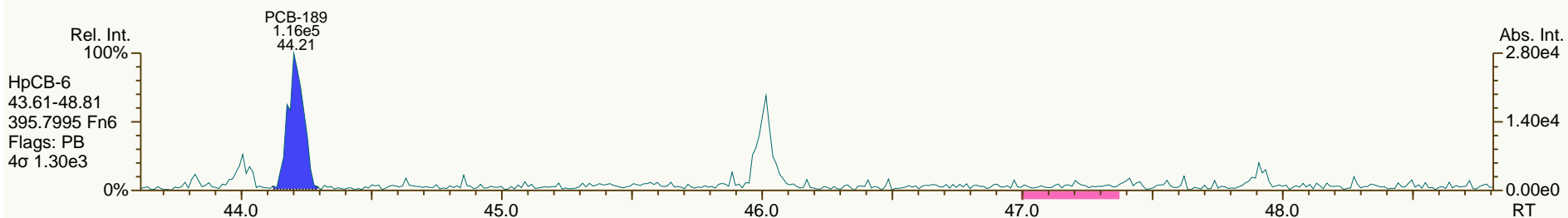
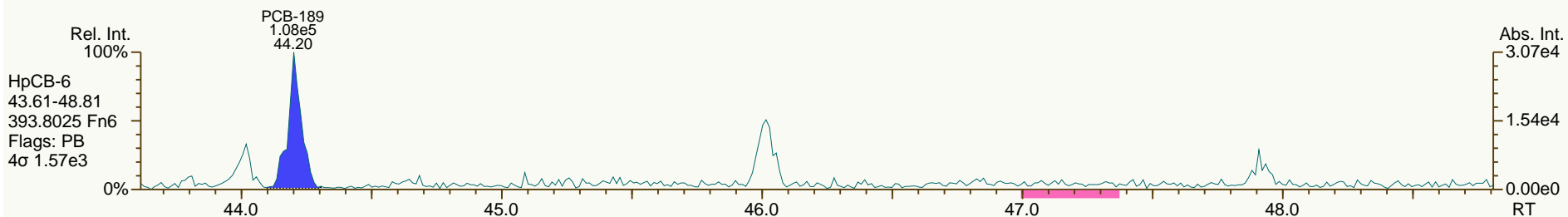
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AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

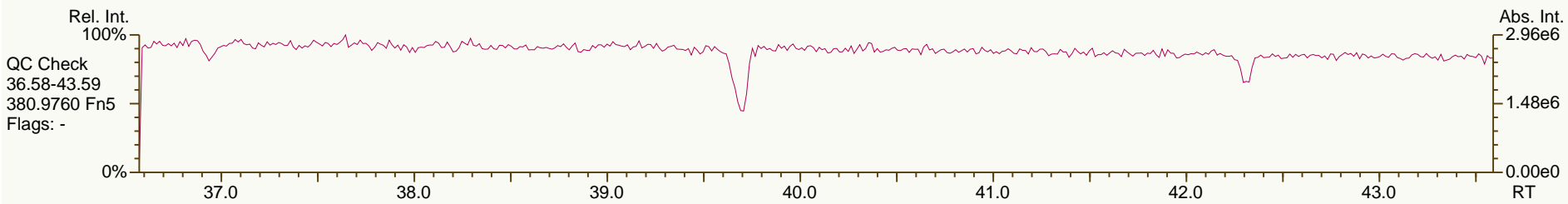
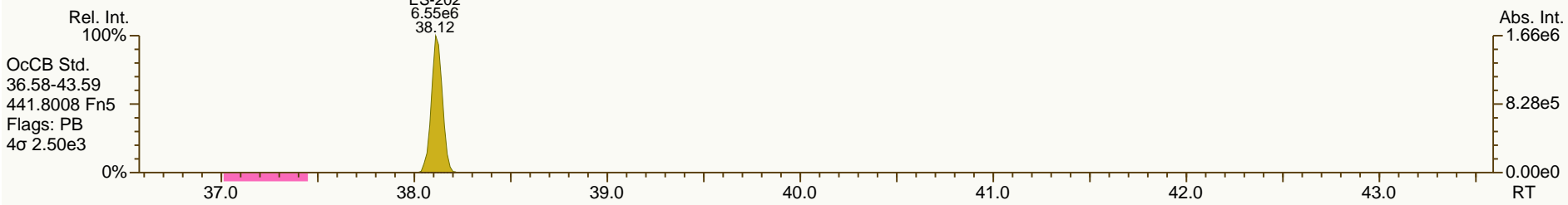
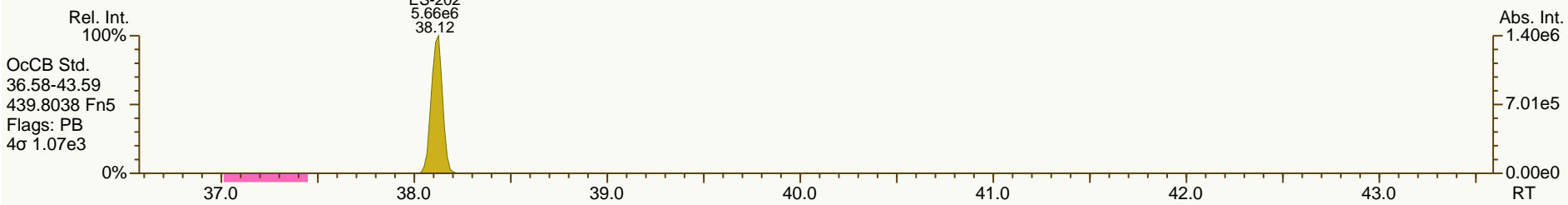
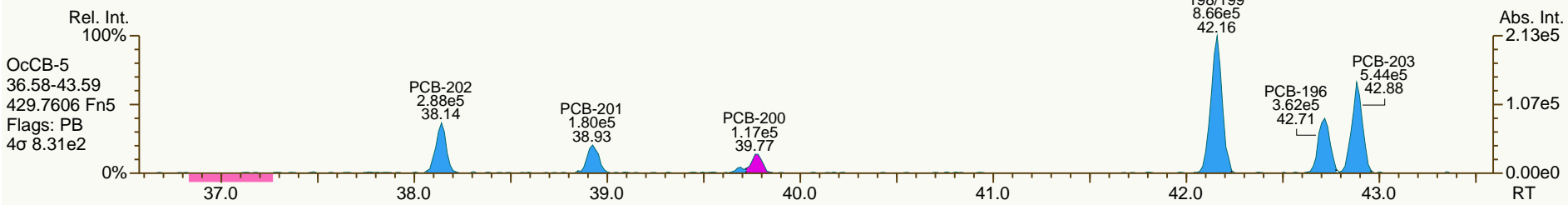
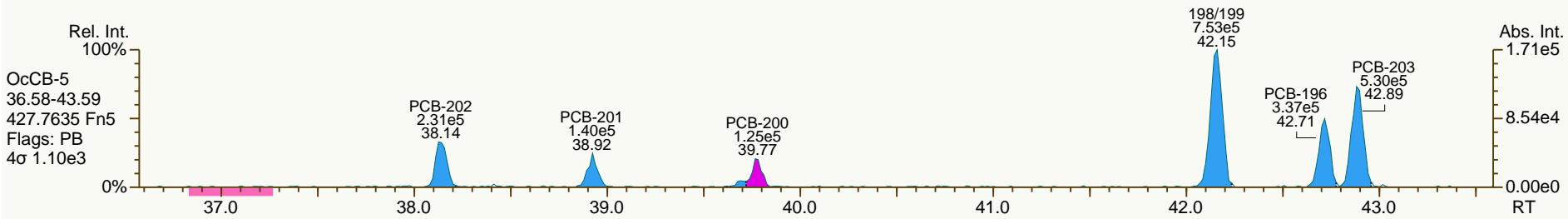
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AP Lab ID: A4373_9894_PCB_009
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Sample ID: JW-EA07-COMP-120507
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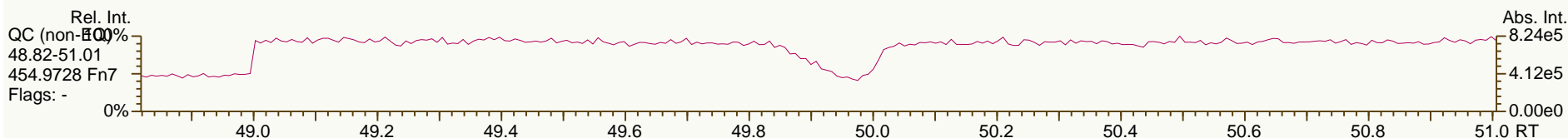
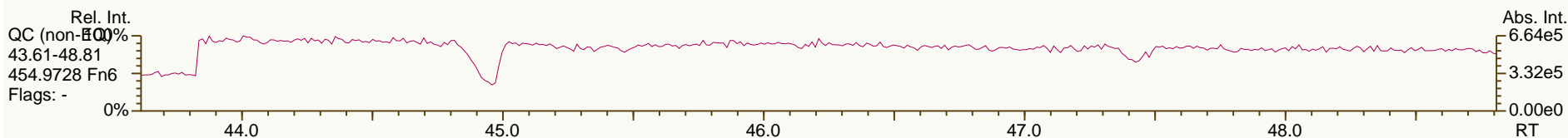
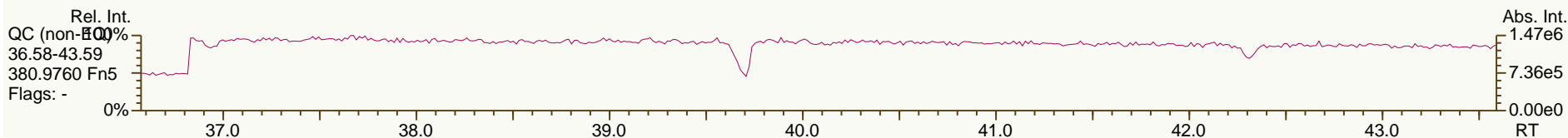
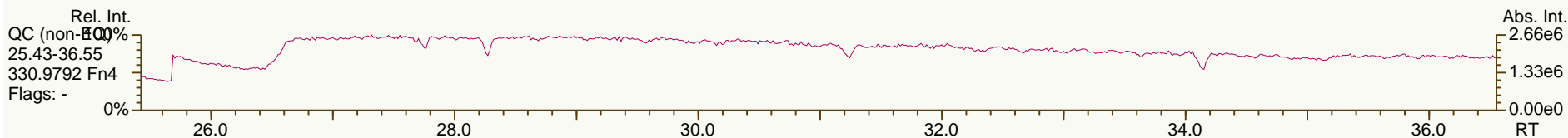
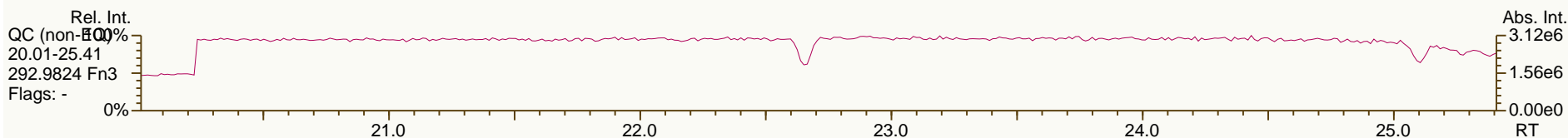
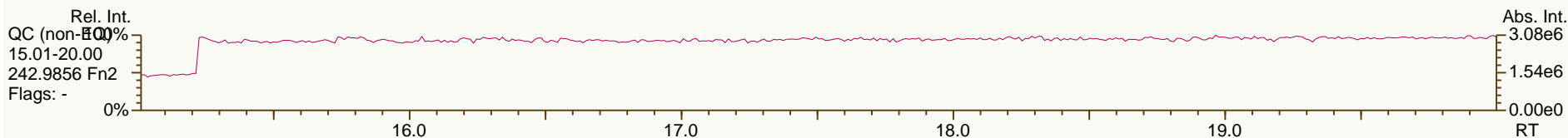
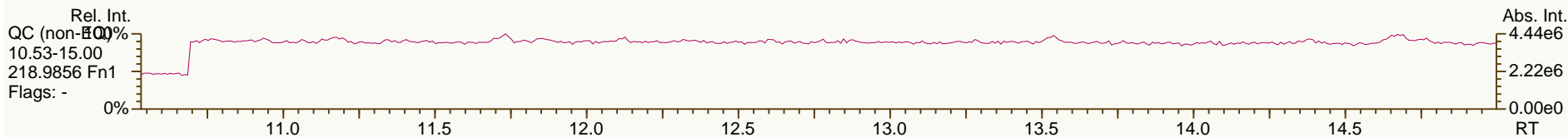
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AP Lab ID: A4373_9894_PCB_009
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA07-COMP-120507
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 59

Acq: 04-Jul-2012 06:01:37
 User: CEM Datafile: 120703V29



Analytical Perspectives — Run Log

Project: A4373_9894_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	120703V17	4	CS3_120703_PCB_VB	1.00	S40-51	CEM	269-428	03-Jul-2012	19:11:31
2	120703V18	49	OPR_9894_PCB	1.00	OPR #75625	CEM	567-894	03-Jul-2012	20:03:41
3	120703V19	2	SBS_120703_PCB_VA	1.00	SIL 9-41-1	CEM	595-245	03-Jul-2012	20:57:59
4	120703V20	50	MB1_9894_PCB_TLX	1.00	MB #75624	CEM	472-698	03-Jul-2012	21:52:23
5	120703V21	51	A4373_9894_PCB_001	6.44	JW-EA10-SS39-120507	CEM	202-931	03-Jul-2012	22:46:40
6	120703V22	52	A4373_9894_PCB_002	5.54	JW-EA10-SS43-120507	CEM	883-062	03-Jul-2012	23:41:03
7	120703V23	53	A4373_9894_PCB_003	6.64	JW-EA10-SS41-120507	CEM	125-675	04-Jul-2012	00:35:27
8	120703V24	54	A4373_9894_PCB_004	6.60	JW-EA10-SS42-120507	CEM	131-277	04-Jul-2012	01:29:50
9	120703V25	55	A4373_9894_PCB_005	6.11	JW-EA10-SS40-120507	CEM	638-331	04-Jul-2012	02:24:07
10	120703V26	56	A4373_9894_PCB_006	6.03	JW-EA10-SS90-120507	CEM	868-230	04-Jul-2012	03:18:31
11	120703V27	57	A4373_9894_PCB_007	4.69	JW-EA01-COMP-120507	CEM	883-780	04-Jul-2012	04:12:49
12	120703V28	58	A4373_9894_PCB_008	7.11	JW-EA05-COMP-120509	CEM	627-948	04-Jul-2012	05:07:13
13	120703V29	59	A4373_9894_PCB_009	5.84	JW-EA07-COMP-120507	CEM	864-538	04-Jul-2012	06:01:37

REVIEWED

By Chris Mimms at 4:19 pm, Jul 04, 2012

REVIEWED

By Todd Vilen at 11:13 am, Jul 08, 2012

PCB QC Summary		SGS Analytical Perspectives			Processed: 4-Jul-2012 13:26		
Lab ID:	CS3_120703_PCB_VB						
Acquired:	03-JUL-2012 19:11		ICAL: MM6_PCB_01102012_25JAN12				
Datafile:	120703V17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.23	2.06E+07	0.77 Y	1.11	1.19	7.9%	
PCB-81 344'5'-TeCB	30.76	2.13E+07	0.77 Y	1.13	1.12	-0.7%	
PCB-105 233'44'-PeCB	34.20	1.14E+07	0.63 Y	1.05	1.01	-4.6%	
PCB-114 2344'5'-PeCB	33.66	1.21E+07	0.63 Y	1.15	1.13	-2.3%	
PCB-118 23'44'5'-PeCB	33.21	1.21E+07	0.63 Y	1.04	1.02	-2.4%	
PCB-123 2'344'5'-PeCB	32.93	1.24E+07	0.63 Y	1.01	1.06	4.6%	
PCB-126 33'44'5'-PeCB	36.80	1.43E+07	0.63 Y	1.06	1.04	-1.0%	
PCB-156/157 233'44'5'/233'44'5'	39.35	2.06E+07	1.26 Y	1.16	1.12	-3.5%	
PCB-167 23'44'55'-HxCB	38.39	1.22E+07	1.27 Y	1.24	1.20	-3.8%	
PCB-169 33'44'55'-HxCB	42.09	9.57E+06	1.28 Y	1.19	1.13	-4.9%	
PCB-189 233'44'55'-HpCB	44.24	1.19E+07	1.06 Y	1.05	1.16	10.4%	
PCB-209 DeCB	49.30	4.33E+06	1.19 Y	1.09	1.05	-3.4%	
ES PCB-1	10.98	4.21E+07	3.36 Y	1.02	0.82	-20.1%	
ES PCB-3	13.11	4.17E+07	3.35 Y	1.02	0.81	-20.9%	
ES PCB-4	13.34	2.61E+07	1.60 Y	0.68	0.51	-25.8%	
ES PCB-15	18.79	5.20E+07	1.63 Y	1.06	1.01	-4.8%	
ES PCB-19	16.26	2.34E+07	1.08 Y	0.49	0.45	-8.3%	
ES PCB-37	24.95	3.68E+07	1.13 Y	1.51	1.62	7.0%	
ES PCB-54	19.05	2.94E+07	0.76 Y	1.37	1.29	-5.8%	
ES PCB-77	31.21	3.45E+07	0.82 Y	1.17	1.52	29.7%	
ES PCB-81	30.74	3.80E+07	0.83 Y	1.13	1.67	47.6%	
ES PCB-104	23.91	2.44E+07	1.55 Y	1.90	1.23	-35.5%	
ES PCB-105	34.17	2.27E+07	1.55 Y	1.15	1.14	-0.6%	
ES PCB-114	33.64	2.15E+07	1.56 Y	1.22	1.08	-11.3%	
ES PCB-118	33.18	2.38E+07	1.54 Y	1.24	1.20	-3.5%	
ES PCB-123	32.91	2.36E+07	1.52 Y	1.29	1.18	-8.0%	
ES PCB-126	36.79	2.73E+07	1.66 Y	1.40	1.37	-1.6%	
ES PCB-153	-	-	-	-	-	-	
ES PCB-155	28.80	2.79E+07	1.26 Y	1.45	1.62	12.0%	
ES PCB-156/157	39.34	3.68E+07	1.26 Y	0.94	1.07	13.8%	
ES PCB-167	38.36	2.04E+07	1.26 Y	0.93	1.19	27.7%	
ES PCB-169	42.07	1.70E+07	1.26 Y	0.88	0.99	12.6%	
ES PCB-170	-	-	-	-	-	-	
ES PCB-180	-	-	-	-	-	-	
ES PCB-188	33.64	2.20E+07	1.06 Y	1.52	1.28	-15.6%	
ES PCB-189	44.22	2.04E+07	1.07 Y	2.05	2.29	11.8%	
ES PCB-202	38.17	1.91E+07	0.91 Y	1.21	1.11	-8.0%	
ES PCB-205	46.41	1.17E+07	0.92 Y	1.28	1.31	2.4%	
ES PCB-206	47.90	8.18E+06	0.81 Y	1.12	0.92	-18.4%	
ES PCB-208	43.82	1.39E+07	0.77 Y	1.46	1.56	6.5%	
ES PCB-209	49.28	8.26E+06	1.18 Y	1.16	0.92	-20.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 4-Jul-2012 13:26		
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.48	4.13E+07	1.12 Y	1.09	1.12	2.9%	
SS PCB-111	31.25	2.50E+07	1.57 Y	0.93	1.06	13.8%	
SS PCB-178	36.21	1.50E+07	1.03 Y	0.63	0.68	8.7%	
CS PCB-28	21.48	4.13E+07	1.12 Y	1.64	1.81	10.4%	
CS PCB-111	31.25	2.50E+07	1.57 Y	1.20	1.26	4.7%	
CS PCB-178	36.21	1.50E+07	1.03 Y	0.95	0.87	-8.2%	
JS PCB-9	15.22	5.15E+07	1.65 Y		-	-	
JS PCB-52	23.07	2.27E+07	0.76 Y		-	-	
JS PCB-101	28.97	1.99E+07	1.55 Y		-	-	
JS PCB-138	35.82	1.72E+07	1.24 Y		-	-	
JS PCB-194	46.01	8.93E+06	0.91 Y		-	-	
PCB-1 2-MoCB	10.99	2.76E+07	3.13 Y	1.00	1.31	31.5%	
PCB-3 4-MoCB	13.12	2.72E+07	3.11 Y	0.96	1.30	35.6%	
PCB-4 22'-DiCB	13.36	1.21E+07	1.58 Y	0.82	0.93	12.6%	
PCB-15 44'-DiCB	18.80	2.83E+07	1.54 Y	0.95	1.09	14.2%	
PCB-19 22'6'-TrCB	16.27	1.08E+07	1.02 Y	0.92	0.92	0.1%	
PCB-37 344'-TrCB	24.97	2.56E+07	1.06 Y	1.07	1.39	29.9%	
PCB-54 22'66'-TeCB	19.07	1.45E+07	0.80 Y	1.04	0.99	-5.4%	
PCB-104 22'466'-PeCB	23.93	1.37E+07	0.62 Y	1.02	1.13	10.7%	
PCB-155 22'44'66'-HxCB	28.82	1.53E+07	1.23 Y	1.04	1.10	6.3%	
PCB-188 22'34'566'-HpCB	33.66	1.13E+07	1.04 Y	0.94	1.03	8.8%	
PCB-202 22'33'55'66'-OcCB	38.19	8.61E+06	0.89 Y	0.86	0.90	5.2%	
PCB-205 233'44'55'6'-OcCB	46.43	5.94E+06	0.89 Y	1.20	1.01	-15.7%	
PCB-208 22'33'455'66'-NoCB	43.84	6.84E+06	0.77 Y	1.01	0.98	-2.1%	
PCB-206 22'33'44'55'6'-NoCB	47.92	3.78E+06	0.76 Y	0.95	0.92	-3.2%	

PCB QC Summary - Ax2 Detail				Processed: 4-Jul-2012 13:26			
Lab ID:	CS3_120703_PCB_VB			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	10.99	2.76E+07	3.13 Y	1.00	-	-	
PCB-2 3-MoCB	12.95	2.73E+07	3.12 Y	0.95	1.31	38.1%	
PCB-3 4-MoCB	13.12	2.72E+07	3.11 Y	0.96	-	-	
PCB-4 22'-DiCB	13.36	1.21E+07	1.58 Y	0.82	-	-	
PCB-10 26-DiCB	13.53	1.93E+07	1.56 Y	1.33	1.47	11.2%	
PCB-9 25-DiCB	15.23	2.47E+07	1.55 Y	0.84	0.95	12.8%	
PCB-7 24-DiCB	15.39	2.86E+07	1.56 Y	0.95	1.10	15.8%	
PCB-6 23'-DiCB	15.60	2.67E+07	1.54 Y	0.91	1.03	12.8%	
PCB-5 23-DiCB	15.89	2.70E+07	1.54 Y	0.90	1.04	15.8%	
PCB-8 24'-DiCB	16.00	2.71E+07	1.58 Y	0.93	1.04	12.2%	
PCB-14 35-DiCB	17.50	3.23E+07	1.55 Y	1.04	1.24	19.5%	
PCB-11 33'-DiCB	18.25	2.76E+07	1.53 Y	0.89	1.06	19.1%	
PCB-13/12 34'-/34-DiCB	18.53	5.59E+07	1.54 Y	0.88	1.07	21.9%	
PCB-15 44'-DiCB	18.80	2.83E+07	1.54 Y	0.95	-	-	
PCB-19 22'6-TrCB	16.27	1.08E+07	1.02 Y	0.92	-	-	
PCB-30/18 246-/22'5-TrCB	17.97	2.96E+07	1.03 Y	1.19	1.27	6.4%	
PCB-17 22'4-TrCB	18.36	1.25E+07	1.05 Y	1.03	1.07	3.9%	
PCB-27 23'6-TrCB	18.54	1.71E+07	1.04 Y	1.39	1.46	5.0%	
PCB-24 236-TrCB	18.67	1.64E+07	1.03 Y	1.34	1.41	5.1%	
PCB-16 22'3-TrCB	18.76	9.53E+06	1.05 Y	0.77	0.82	6.0%	
PCB-32 24'6-TrCB	19.23	1.78E+07	1.04 Y	1.45	1.52	5.2%	
PCB-34 2'35-TrCB	20.35	2.56E+07	1.07 Y	1.16	1.39	20.4%	
PCB-23 235-TrCB	20.49	2.65E+07	1.05 Y	1.18	1.44	22.0%	
PCB-26/29 23'5-/245-TrCB	20.77	5.28E+07	1.06 Y	1.20	1.43	20.0%	
PCB-25 23'4-TrCB	20.96	2.65E+07	1.06 Y	1.22	1.44	18.1%	
PCB-31 24'5-TrCB	21.23	2.71E+07	1.06 Y	1.21	1.47	21.5%	
PCB-28/20 244'-/233'-TrCB	21.51	5.22E+07	1.06 Y	1.18	1.42	20.2%	
PCB-21/33 234-/2'34-TrCB	21.68	5.29E+07	1.06 Y	1.21	1.44	19.3%	
PCB-22 234'-TrCB	22.04	2.45E+07	1.07 Y	1.10	1.33	20.8%	
PCB-36 33'5-TrCB	23.41	2.73E+07	1.06 Y	1.17	1.49	26.5%	
PCB-39 34'5-TrCB	23.72	2.83E+07	1.06 Y	1.24	1.54	24.6%	
PCB-38 345-TrCB	24.23	2.53E+07	1.06 Y	1.07	1.38	28.4%	
PCB-35 33'4-TrCB	24.62	2.50E+07	1.06 Y	1.03	1.36	31.6%	
PCB-37 344'-TrCB	24.97	2.56E+07	1.06 Y	1.07	-	-	
PCB-54 22'66'-TeCB	19.07	1.45E+07	0.80 Y	1.04	-	-	
PCB-50/53 22'46-/22'56'TeCB	21.01	2.29E+07	0.77 Y	0.80	0.60	-25.0%	
PCB-45 22'36'-TeCB	21.57	1.01E+07	0.77 Y	0.73	0.53	-27.4%	
PCB-51 22'46'-TeCB	21.65	1.12E+07	0.78 Y	0.76	0.59	-22.0%	
PCB-46 22'36'-TeCB	21.84	9.41E+06	0.75 Y	0.65	0.49	-23.9%	
PCB-52 22'55'-TeCB	23.09	1.13E+07	0.78 Y	0.77	0.59	-22.9%	
PCB-73 23'5'6TeCB	23.22	1.46E+07	0.77 Y	1.00	0.77	-23.5%	

Lab ID: - Ax2 Detail		Processed: 4-Jul-2012 13:26					
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-43 22'35'-TeCB	23.30	1.01E+07	0.77 Y	0.65	0.53	-18.1%	
PCB-69/49 23'46'-/22'45'TeCB	23.50	2.75E+07	0.77 Y	0.92	0.72	-21.0%	
PCB-48 22'45'-TeCB	23.77	1.14E+07	0.75 Y	0.76	0.60	-21.0%	
PCB-44/47/65 22'35'-/22'44'-	23.98	3.65E+07	0.77 Y	0.81	0.64	-20.7%	
PCB-59/62/75 233'6'-/2346-/24	24.25	4.62E+07	0.76 Y	1.03	0.81	-21.6%	
PCB-42 22'34'-TeCB	24.41	1.04E+07	0.77 Y	0.69	0.55	-20.9%	
PCB-41 22'34'-TeCB	24.73	9.73E+06	0.75 Y	0.61	0.51	-15.9%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.83	2.29E+07	0.78 Y	0.77	0.60	-21.5%	
PCB-64 234'6'-TeCB	25.03	1.64E+07	0.77 Y	1.08	0.86	-20.4%	
PCB-72 23'55'-TeCB	25.76	2.36E+07	0.76 Y	1.24	1.24	-0.4%	
PCB-68 23'45'-TeCB	26.01	2.50E+07	0.77 Y	1.36	1.31	-3.7%	
PCB-57 233'5'-TeCB	26.37	2.24E+07	0.76 Y	1.23	1.18	-4.5%	
PCB-58 233'5'-TeCB	26.56	2.30E+07	0.77 Y	1.23	1.21	-1.5%	
PCB-67 23'45'-TeCB	26.72	2.40E+07	0.77 Y	1.27	1.26	-0.6%	
PCB-63 234'5'-TeCB	26.94	2.43E+07	0.78 Y	1.36	1.28	-6.0%	
PCB-61/70/74/76 2345-/23'4'5	27.22	9.17E+07	0.77 Y	1.22	1.21	-1.0%	
PCB-66 23'44'-TeCB	27.50	2.13E+07	0.78 Y	1.17	1.12	-3.7%	
PCB-55 233'4'-TeCB	27.64	2.25E+07	0.78 Y	1.15	1.18	2.8%	
PCB-56 233'4'-TeCB	28.07	2.12E+07	0.78 Y	1.11	1.12	0.6%	
PCB-60 2344'-TeCB	28.26	2.22E+07	0.78 Y	1.13	1.17	3.2%	
PCB-80 33'55'-TeCB	28.61	2.51E+07	0.77 Y	1.31	1.32	1.0%	
PCB-79 33'45'-TeCB	29.91	2.55E+07	0.78 Y	1.33	1.34	1.1%	
PCB-78 33'45'-TeCB	30.38	2.06E+07	0.77 Y	1.06	1.08	2.1%	
PCB-104 22'466'-PeCB	23.93	1.37E+07	0.62 Y	1.02	-	-	
PCB-96 22'366'-PeCB	24.23	1.18E+07	0.64 Y	0.86	0.97	13.1%	
PCB-103 22'45'6'-PeCB	25.92	1.03E+07	0.62 Y	0.82	0.87	6.0%	
PCB-94 22'356'-PeCB	26.10	8.90E+06	0.64 Y	0.73	0.76	2.8%	
PCB-95 22'35'6'-PeCB	26.47	9.46E+06	0.62 Y	0.76	0.80	5.1%	
PCB-100/93 22'44'6'-/22'356-P	26.68	1.90E+07	0.62 Y	0.77	0.81	5.3%	
PCB-102 22'456'-PeCB	26.79	1.07E+07	0.61 Y	0.85	0.91	5.9%	
PCB-98 22'3'46'-PeCB	26.86	8.90E+06	0.64 Y	0.72	0.76	5.1%	
PCB-88 22'346'-PeCB	27.15	8.81E+06	0.62 Y	0.73	0.75	3.0%	
PCB-91 22'34'6'-PeCB	27.22	1.03E+07	0.64 Y	0.82	0.87	6.2%	
PCB-84 22'33'6'-PeCB	27.40	8.23E+06	0.63 Y	0.63	0.70	10.1%	
PCB-89 22'346'-PeCB	27.81	8.57E+06	0.63 Y	0.66	0.73	10.1%	
PCB-121 23'45'6'-PeCB	28.18	1.30E+07	0.64 Y	1.00	1.10	9.7%	
PCB-92 22'355'-PeCB	28.49	9.01E+06	0.63 Y	0.69	0.77	10.9%	
PCB-113/90/101 233'5'6'-/22'3	28.97	3.21E+07	0.63 Y	0.83	0.91	8.8%	
PCB-83 22'33'5'-PeCB	29.39	7.98E+06	0.62 Y	0.61	0.68	10.4%	

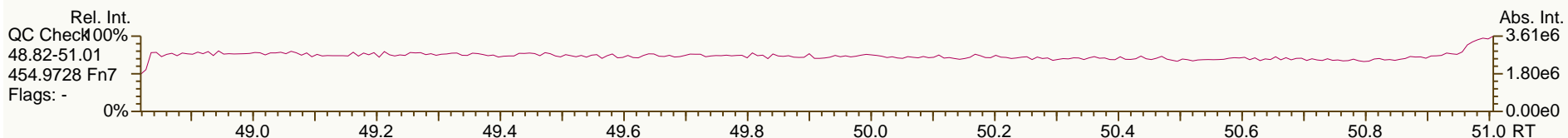
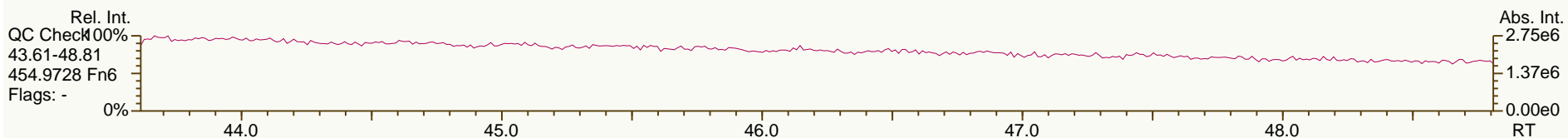
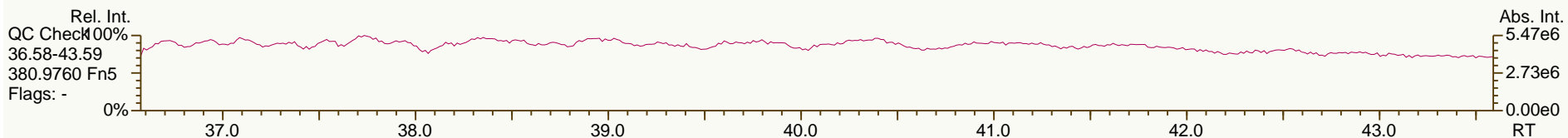
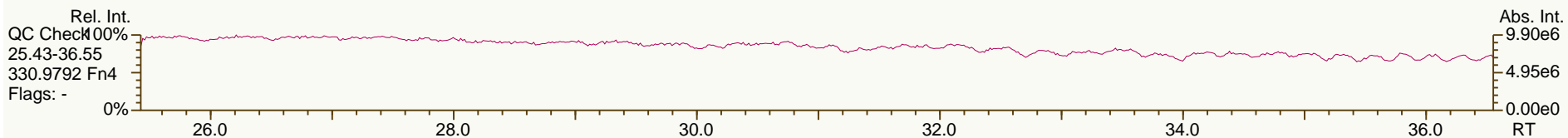
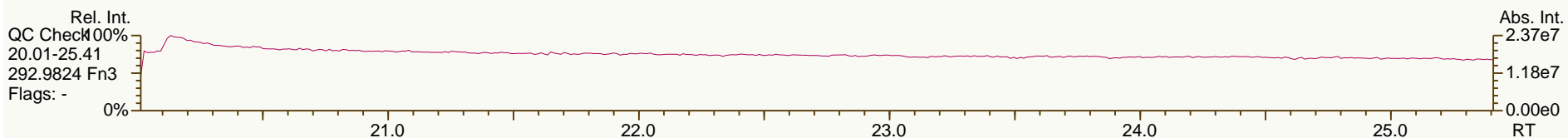
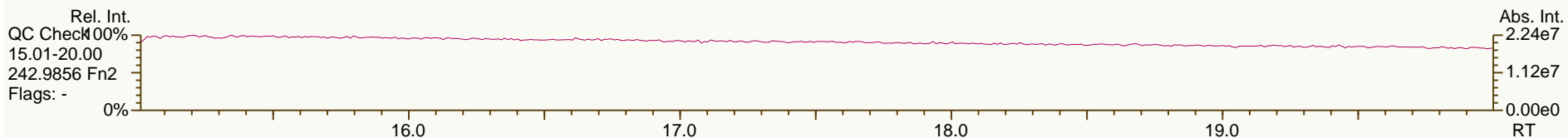
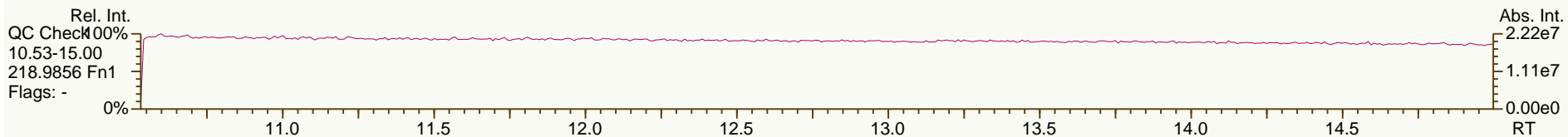
Lab ID: - Ax2 Detail		Processed: 4-Jul-2012 13:26					
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	03-JUL-2012 19:11						
Datafile:	120703V17						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	29.49	9.69E+06	0.62 Y	0.79	0.82	4.4%	
PCB-112 233'56-PeCB	29.59	1.26E+07	0.63 Y	0.98	1.07	9.5%	
PCB-109/119/86/97/125...-PeCB	29.93	6.36E+07	0.62 Y	0.86	0.90	4.7%	
PCB-117 234'56-PeCB	30.46	1.16E+07	0.63 Y	0.85	0.99	15.8%	
PCB-116/85 23456-/22'344'-Pe	30.54	2.17E+07	0.64 Y	0.86	0.92	6.9%	
PCB-110 233'4'6-PeCB	30.66	1.16E+07	0.62 Y	0.91	0.98	8.0%	
PCB-115 2344'6-PeCB	30.75	1.23E+07	0.62 Y	1.02	1.04	2.9%	
PCB-82 22'33'4-PeCB	30.93	7.56E+06	0.64 Y	0.61	0.64	5.1%	
PCB-111 233'55'-PeCB	31.28	1.21E+07	0.62 Y	1.02	1.03	0.5%	
PCB-120 23'455'-PeCB	31.67	1.29E+07	0.63 Y	1.01	1.09	8.7%	
PCB-108/124 ...-PeCB	32.62	2.25E+07	0.63 Y	0.92	0.95	3.4%	
PCB-107 233'4'5-PeCB	32.82	1.24E+07	0.62 Y	1.01	1.05	4.4%	
PCB-106 233'45-PeCB	33.03	1.07E+07	0.63 Y	0.93	0.91	-2.9%	
PCB-122 2'33'45-PeCB	33.49	1.09E+07	0.64 Y	0.91	1.01	11.0%	
PCB-127 33'455'-PeCB	35.45	1.06E+07	0.63 Y	1.01	0.93	-7.9%	
PCB-155 22'44'66'-HxCB	28.82	1.53E+07	1.23 Y	1.04	-	-	
PCB-152 22'3566'-HxCB	28.96	1.44E+07	1.24 Y	0.99	1.03	4.4%	
PCB-150 22'34'66'-HxCB	29.11	1.40E+07	1.22 Y	0.97	1.01	3.9%	
PCB-136 22'33'66'-HxCB	29.40	1.33E+07	1.27 Y	0.91	0.96	5.3%	
PCB-145 22'3466'HxCB	29.67	1.35E+07	1.23 Y	0.93	0.97	4.8%	
PCB-148 22'34'56'-HxCB	30.96	1.02E+07	1.27 Y	0.71	0.73	2.8%	
PCB-151/135 22'355'6-/22'33'	31.47	1.97E+07	1.26 Y	0.68	0.71	3.3%	
PCB-154 22'44'5'6'-HxCB	31.68	1.13E+07	1.26 Y	0.80	0.81	2.2%	
PCB-144 22'345'6-HxCB	31.94	1.00E+07	1.22 Y	0.70	0.72	3.1%	
PCB-147/149 22'34'56-/22'34'	32.24	2.05E+07	1.25 Y	0.71	0.74	3.8%	
PCB-134 22'33'56-HxCB	32.40	8.71E+06	1.22 Y	0.54	0.63	15.1%	
PCB-143 22'3456'-HxCB	32.48	9.36E+06	1.26 Y	0.66	0.67	1.1%	
PCB-139/140 22'344'6-/22'344'	32.75	1.95E+07	1.26 Y	0.71	0.70	-0.6%	
PCB-131 22'33'46-HxCB	32.91	8.61E+06	1.23 Y	0.62	0.62	-0.6%	
PCB-142 22'3456-HxCB	33.05	8.61E+06	1.23 Y	0.63	0.62	-2.1%	
PCB-132 22'33'46'-HxCB	33.29	8.76E+06	1.28 Y	0.64	0.63	-1.4%	
PCB-133 22'33'55'-HxCB	33.72	9.41E+06	1.23 Y	0.65	0.68	4.4%	
PCB-165 233'55'6-HxCB	34.06	1.14E+07	1.22 Y	0.79	0.82	3.9%	
PCB-146 22'34'55'-HxCB	34.27	1.00E+07	1.25 Y	0.70	0.72	3.3%	
PCB-161 233'45'6-HxCB	34.39	1.27E+07	1.26 Y	0.91	0.91	0.1%	
PCB-153/168 22'44'55'-/23'44'	34.82	2.40E+07	1.24 Y	0.85	0.86	2.0%	
PCB-141 22'3455'-HxCB	34.95	9.46E+06	1.25 Y	0.66	0.68	3.6%	
PCB-130 22'33'45'-HxCB	35.29	8.36E+06	1.23 Y	0.59	0.60	1.6%	
PCB-137 22'344'5-HxCB	35.49	8.85E+06	1.24 Y	0.73	0.64	-12.8%	
PCB-164 233'4'5'6-HxCB	35.57	1.27E+07	1.25 Y	0.86	0.91	5.2%	
PCB-163/138/129 233'4'56-/22'	35.86	2.95E+07	1.27 Y	0.72	0.71	-2.0%	

Lab ID: - Ax2 Detail		Processed: 4-Jul-2012 13:26				
Lab ID:	CS3_120703_PCB_VB	ICAL: MM6_PCB_01102012_25JAN12				
Acquired:	03-JUL-2012 19:11					
Datafile:	120703V17					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	35.99	1.17E+07	1.24 Y	0.85	0.84	-1.5%
PCB-158 233'44'6-HxCB	36.18	1.24E+07	1.27 Y	0.95	0.89	-5.9%
PCB-128/166 22'33'44'-/2344'5	36.90	1.89E+07	1.25 Y	0.98	0.93	-5.9%
PCB-159 233'455'-HxCB	37.74	1.17E+07	1.25 Y	1.14	1.15	0.7%
PCB-162 233'4'55'-HxCB	37.98	1.10E+07	1.25 Y	1.13	1.08	-5.0%
PCB-188 22'34'566'-HpCB	33.66	1.13E+07	1.04 Y	0.94	-	-
PCB-179 22'33'566'-HpCB	33.93	1.02E+07	1.02 Y	0.81	0.93	14.4%
PCB-184 22'344'66'-HpCB	34.40	1.05E+07	1.05 Y	0.85	0.96	12.4%
PCB-176 22'33'466'-HpCB	34.68	1.15E+07	1.06 Y	0.93	1.04	12.2%
PCB-186 22'34566'-HpCB	35.07	1.09E+07	1.05 Y	0.88	0.99	13.0%
PCB-178 22'33'55'6'-HpCB	36.23	7.91E+06	1.07 Y	0.66	0.72	8.5%
PCB-175 22'33'45'6'-HpCB	36.77	8.11E+06	1.06 Y	0.55	0.74	34.7%
PCB-187 22'34'55'6'-HpCB	37.00	8.76E+06	1.06 Y	0.60	0.80	32.4%
PCB-182 22'344'56'-HpCB	37.17	8.98E+06	1.03 Y	0.60	0.82	36.9%
PCB-183 22'344'5'6'-HpCB	37.52	8.97E+06	1.04 Y	0.61	0.82	33.5%
PCB-185 22'3455'6'-HpCB	37.59	8.54E+06	1.05 Y	0.58	0.78	32.8%
PCB-174 22'33'456'-HpCB	37.70	7.97E+06	1.03 Y	0.51	0.72	41.1%
PCB-177 22'33'4'56'-HpCB	38.08	6.82E+06	1.04 Y	0.51	0.62	22.6%
PCB-181 22'344'56'-HpCB	38.42	8.61E+06	1.04 Y	0.59	0.78	33.3%
PCB-171/173 22'33'44'6'-/22'3	38.60	1.47E+07	1.03 Y	0.51	0.67	30.1%
PCB-172 22'33'455'-HpCB	39.98	7.21E+06	1.05 Y	0.65	0.71	8.9%
PCB-192 233'455'6'-HpCB	40.23	9.95E+06	1.05 Y	0.87	0.97	12.1%
PCB-180/193 22'344'55'-/233'	40.50	1.83E+07	1.04 Y	0.82	0.90	9.3%
PCB-191 233'44'5'6'-HpCB	40.83	1.01E+07	1.04 Y	0.90	0.99	10.2%
PCB-170 22'33'44'5'-HpCB	41.59	7.05E+06	1.01 Y	0.67	0.69	2.2%
PCB-190 233'44'56'-HpCB	42.05	9.04E+06	1.04 Y	0.94	0.88	-5.4%
PCB-202 22'33'55'66'-OcCB	38.19	8.61E+06	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	38.97	1.01E+07	0.87 Y	0.96	1.05	9.9%
PCB-204 22'344'566'-OcCB	39.55	9.00E+06	0.91 Y	0.93	0.94	1.9%
PCB-197 22'33'44'66'-OcCB	39.74	1.02E+07	0.90 Y	0.99	1.07	8.5%
PCB-200 22'33'4566'-OcCB	39.82	9.30E+06	0.91 Y	0.91	0.97	6.6%
PCB-198/199 22'33'455'6'-/22'	42.17	1.19E+07	0.88 Y	0.68	0.62	-9.0%
PCB-196 22'33'44'56'-OcCB	42.75	6.01E+06	0.89 Y	0.69	0.63	-8.9%
PCB-203 22'344'55'6'-OcCB	42.92	6.45E+06	0.92 Y	0.73	0.68	-7.9%
PCB-195 22'33'44'56'-OcCB	44.04	5.12E+06	0.90 Y	0.92	0.87	-4.8%
PCB-194 22'33'44'55'-OcCB	46.03	4.91E+06	0.91 Y	0.96	0.84	-12.8%
PCB-205 233'44'55'6'-OcCB	46.43	5.94E+06	0.89 Y	1.20	-	-
PCB-208 22'33'455'66'-NoCB	43.84	6.84E+06	0.77 Y	1.01	-	-
PCB-207 22'33'44'566'-NoCB	44.64	6.95E+06	0.78 Y	1.06	1.00	-5.2%
PCB-206 22'33'44'55'6'-NoCB	47.92	3.78E+06	0.76 Y	0.95	-	-

AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

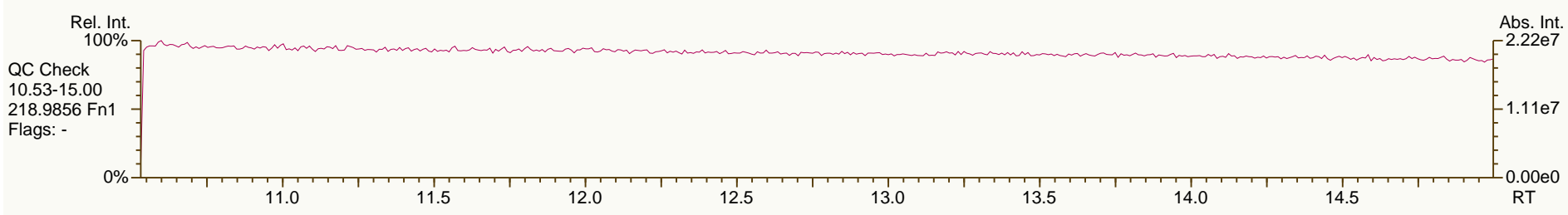
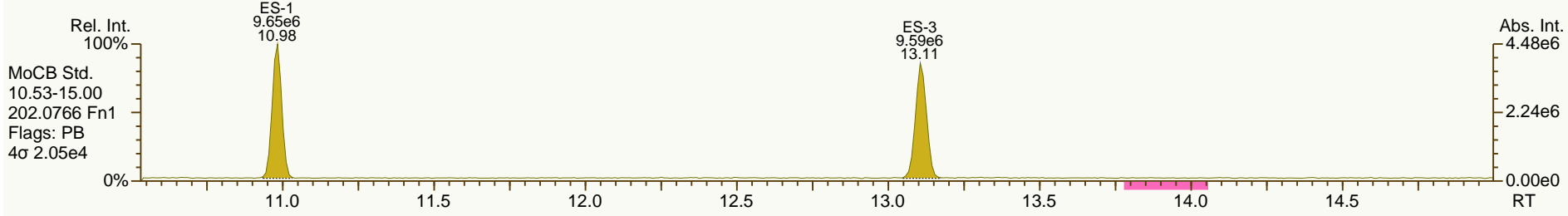
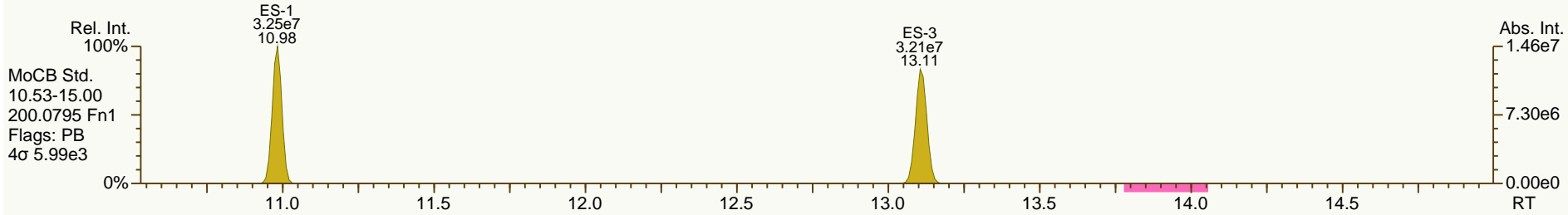
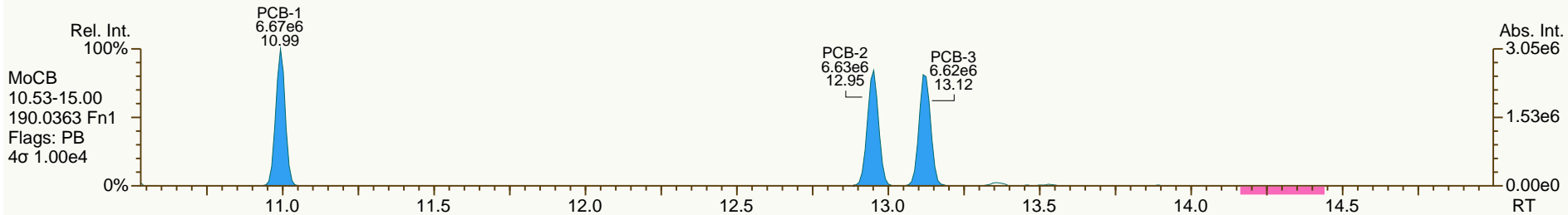
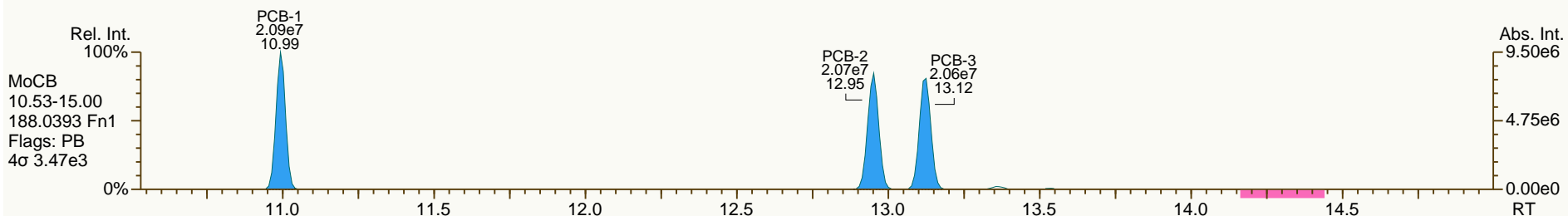
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

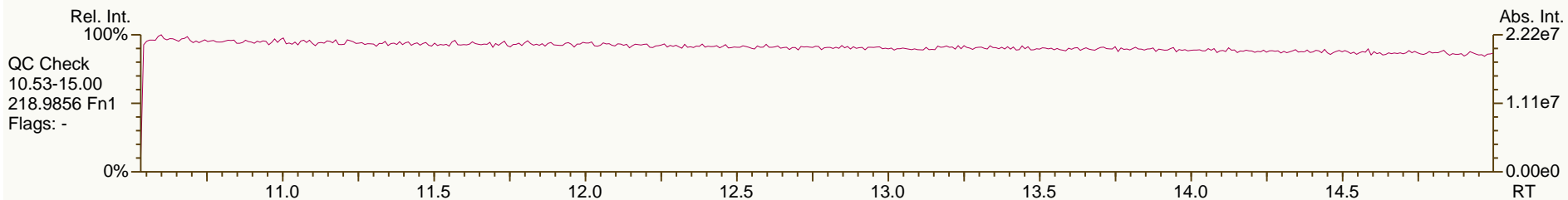
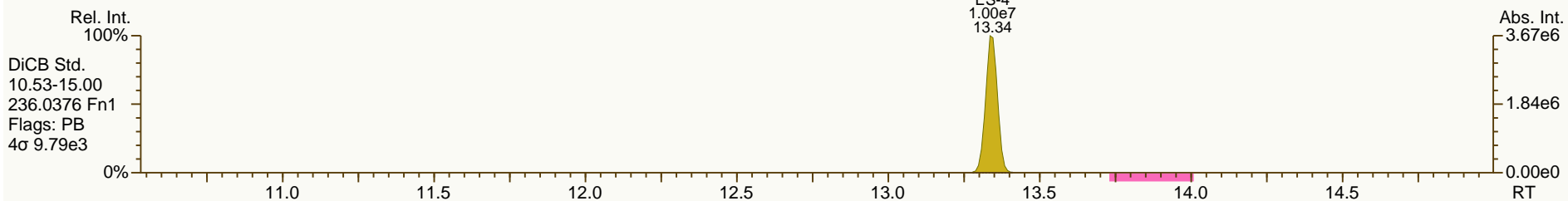
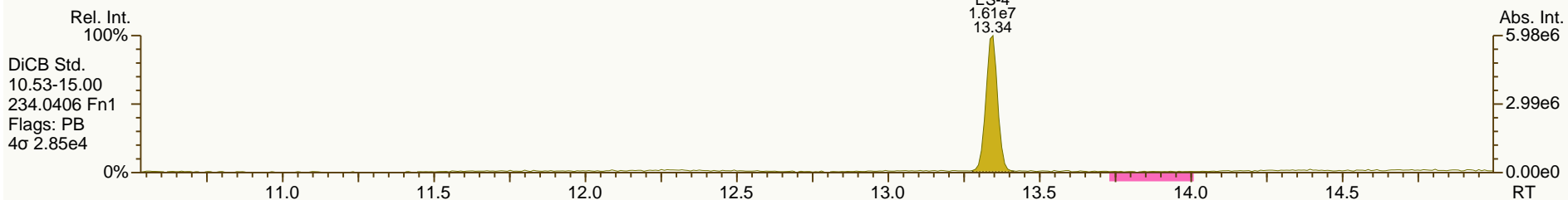
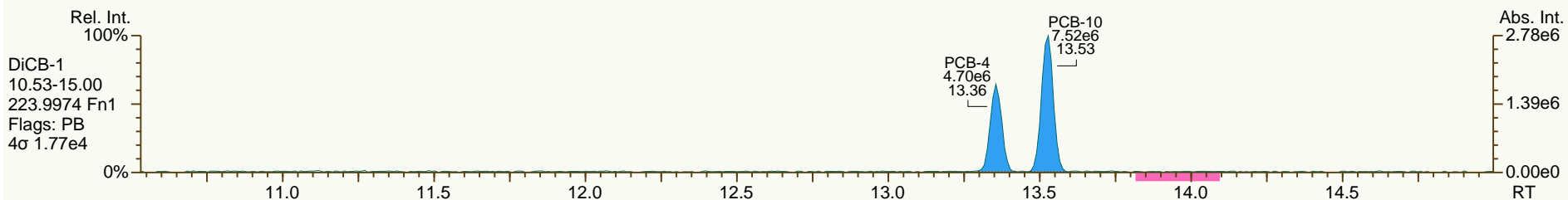
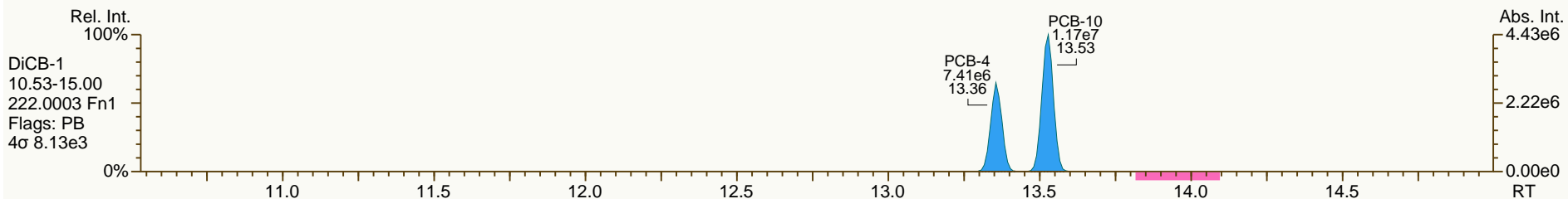
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 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

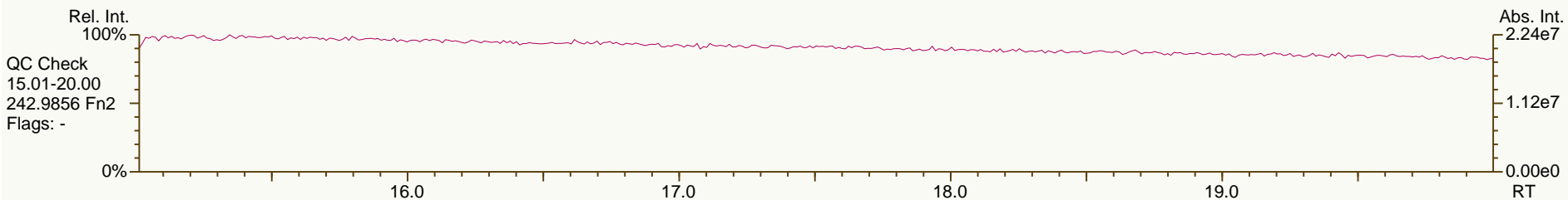
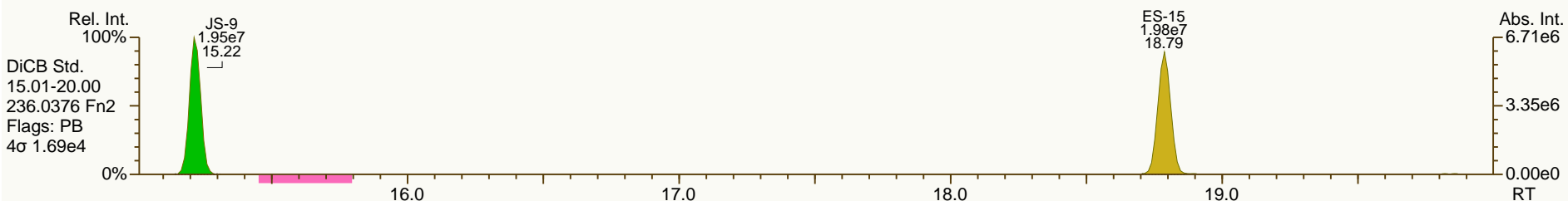
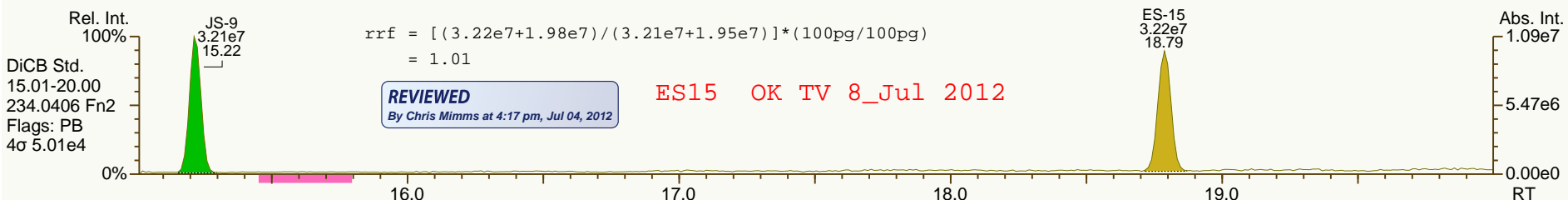
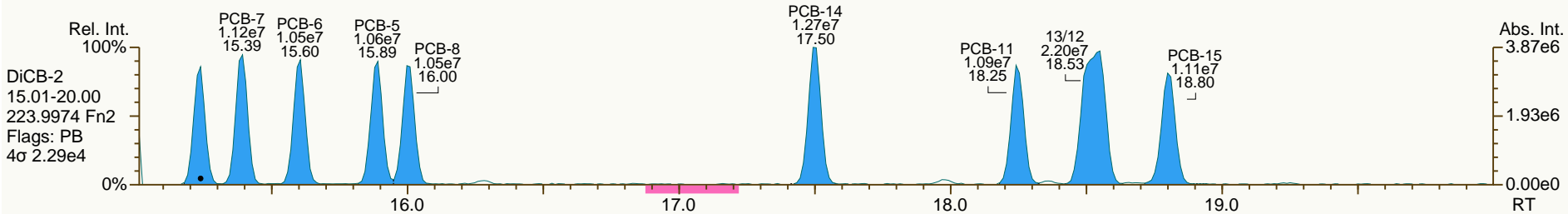
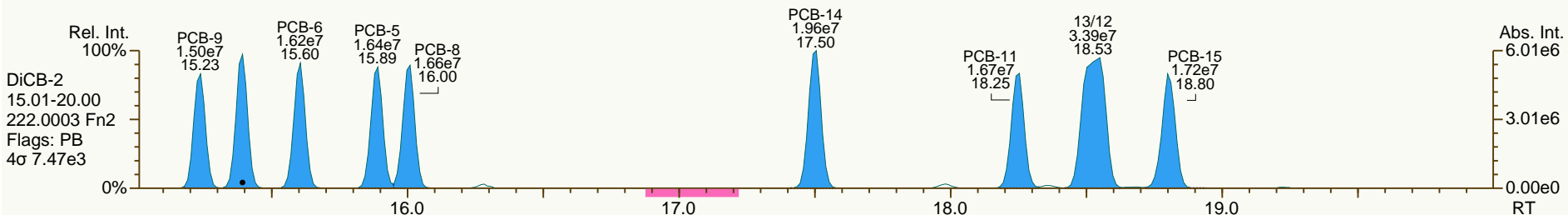
Acq: 03-Jul-2012 19:11:31
 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

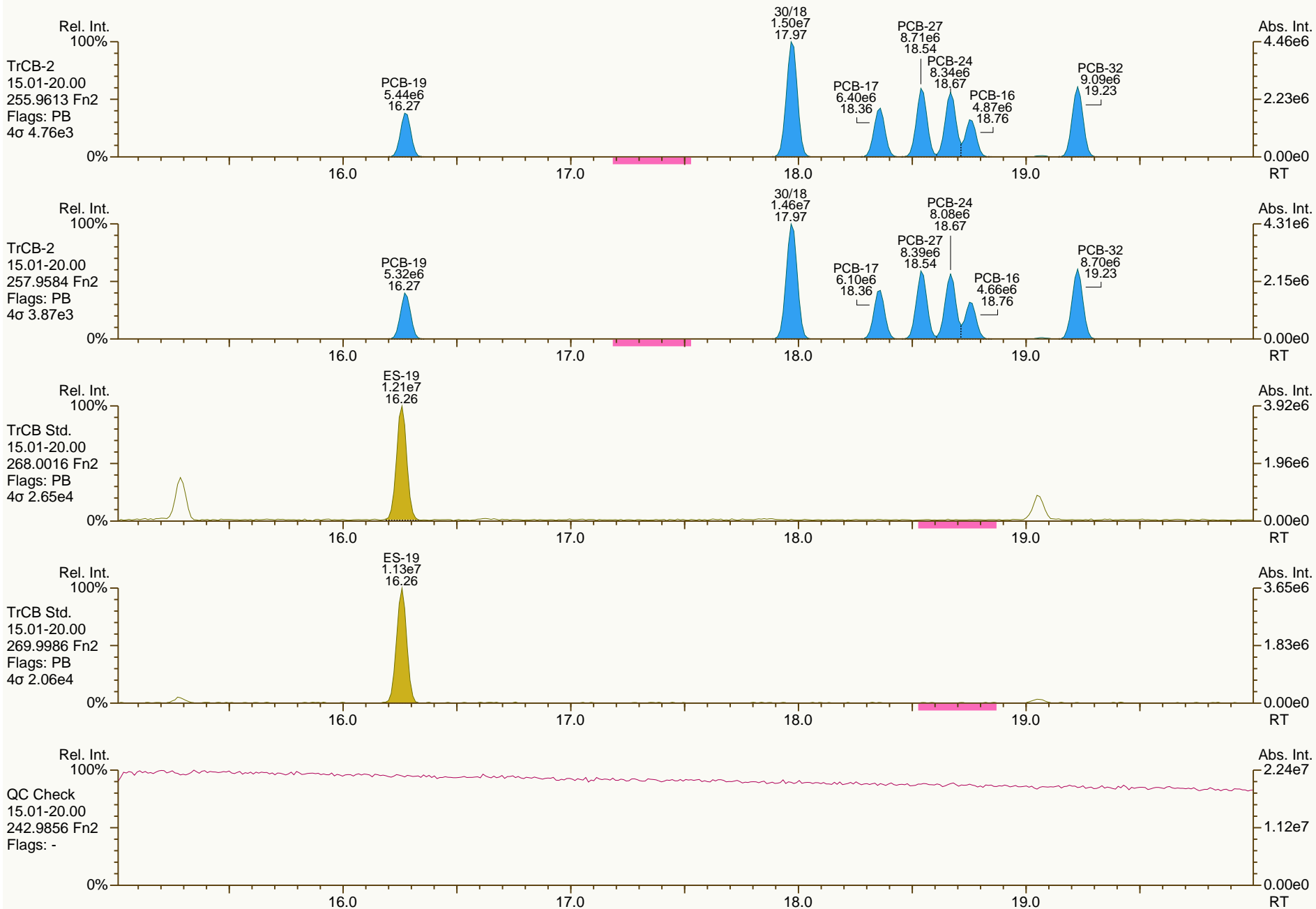
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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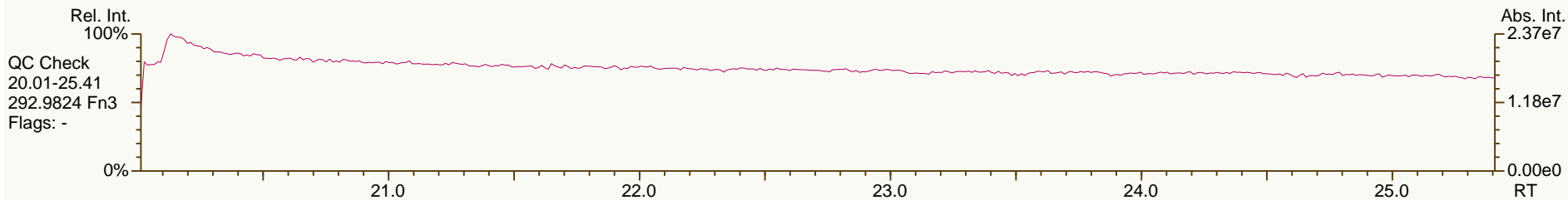
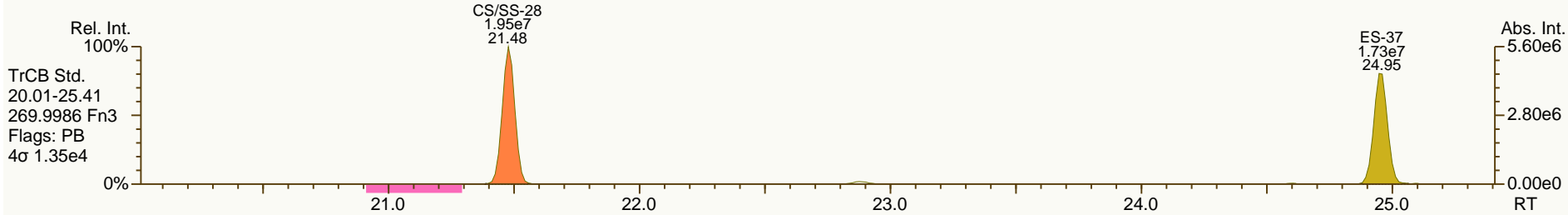
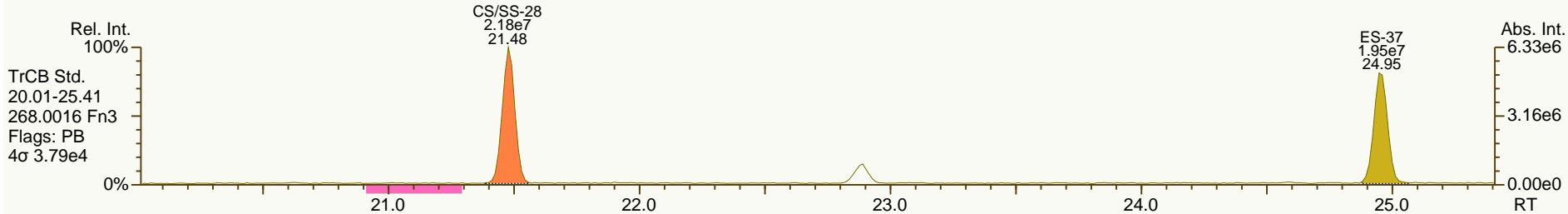
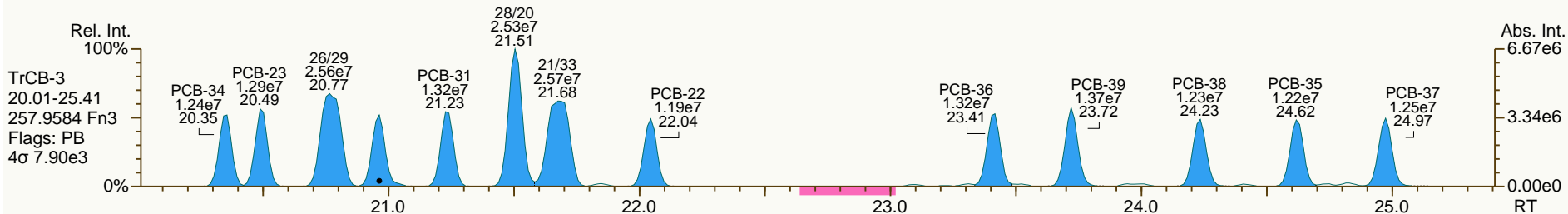
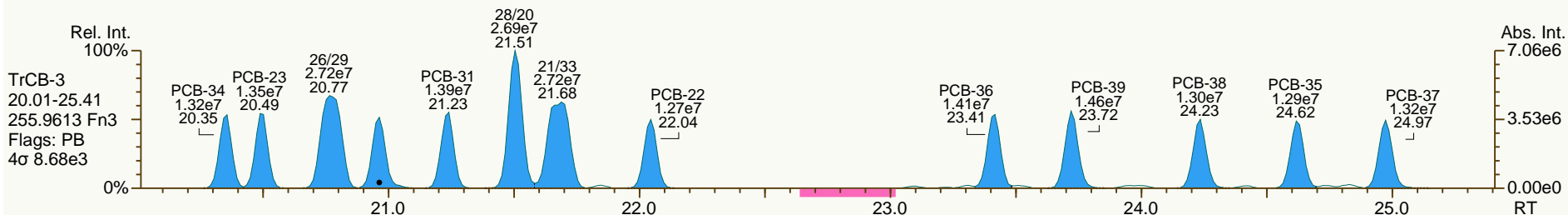
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

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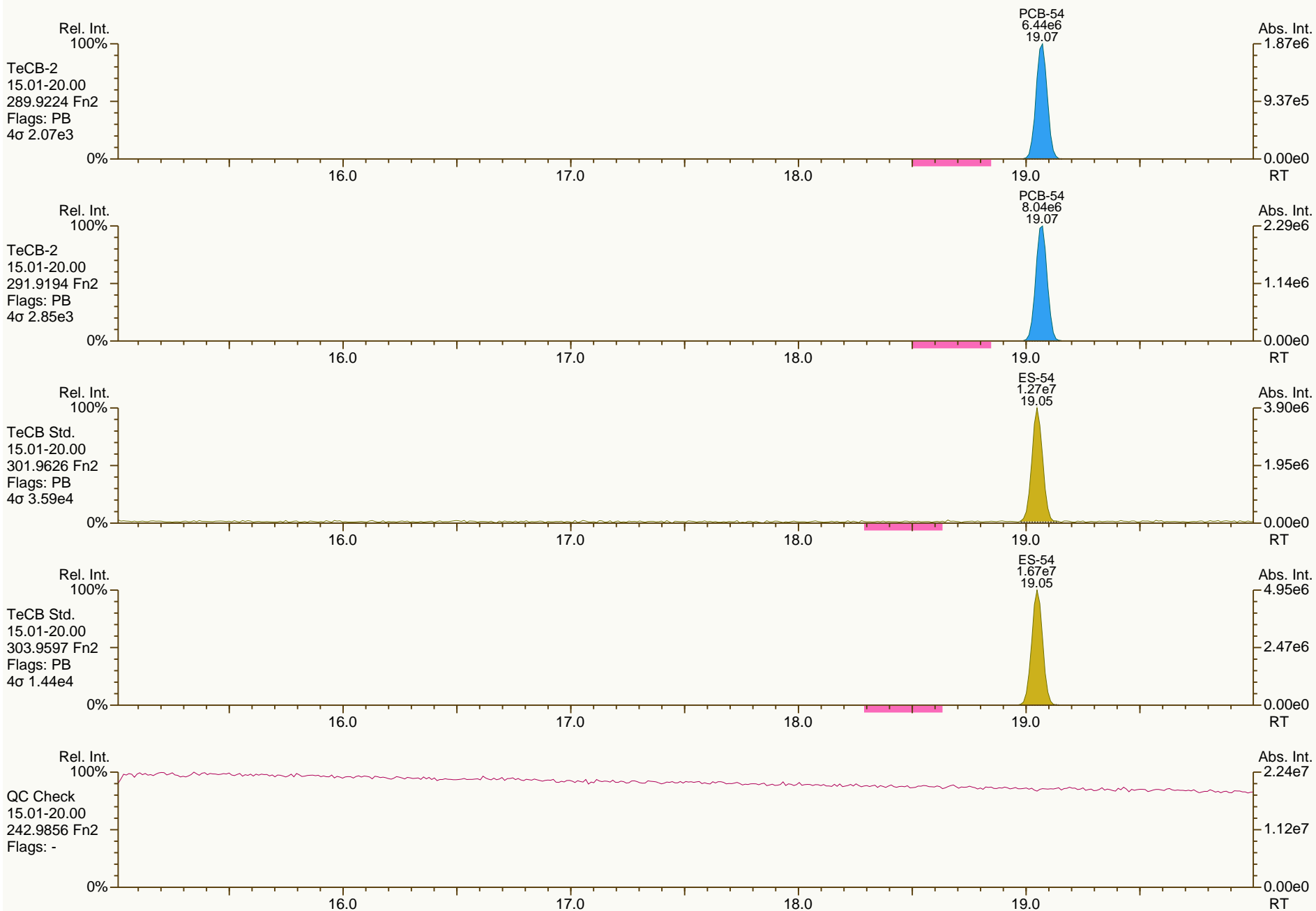
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 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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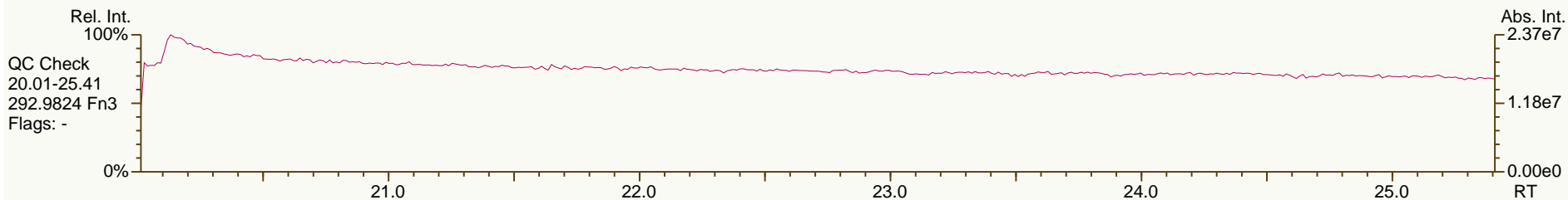
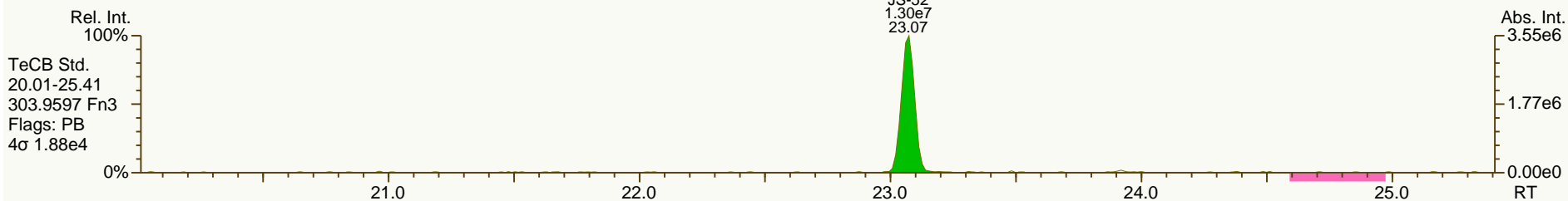
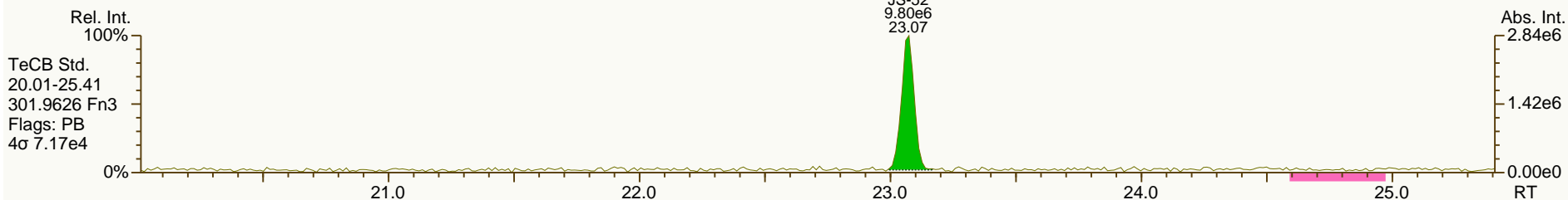
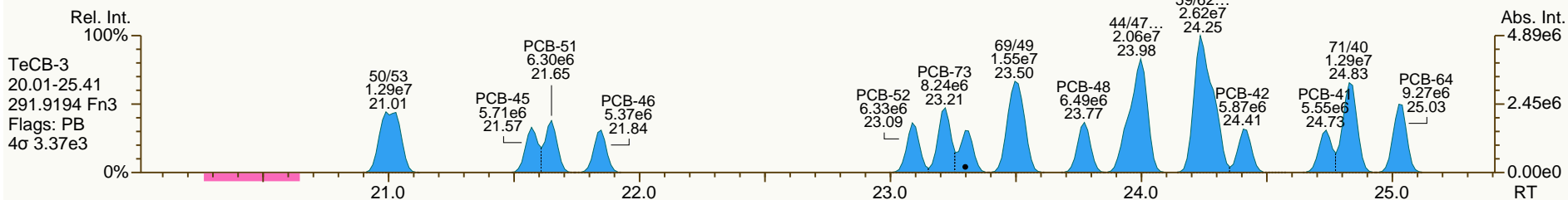
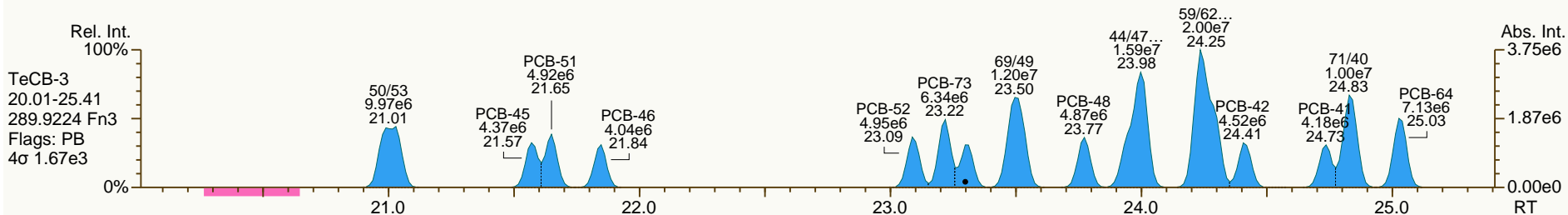
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

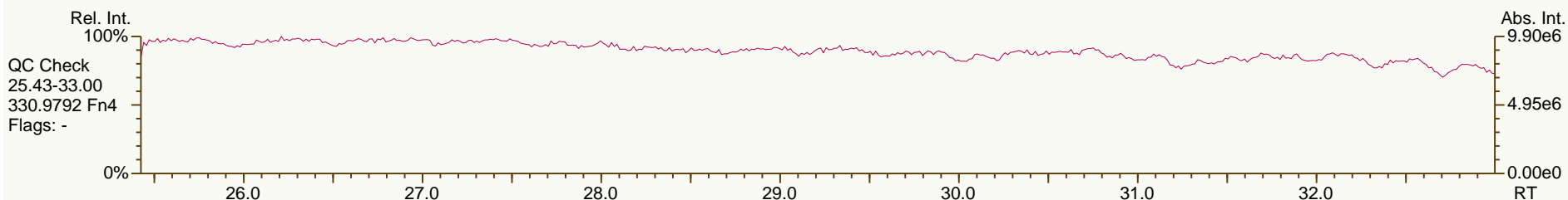
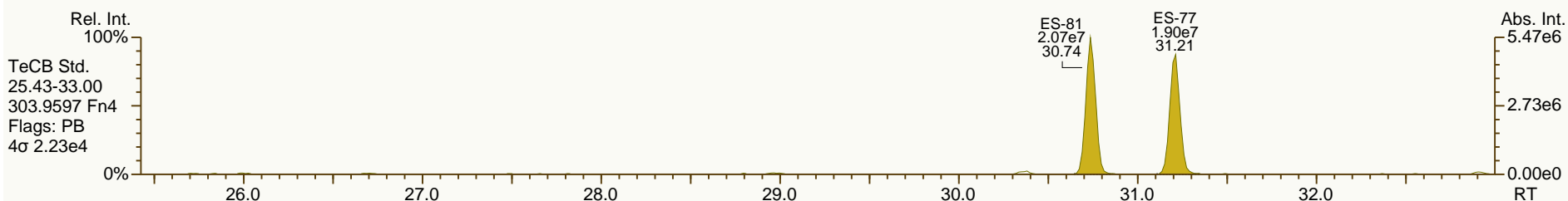
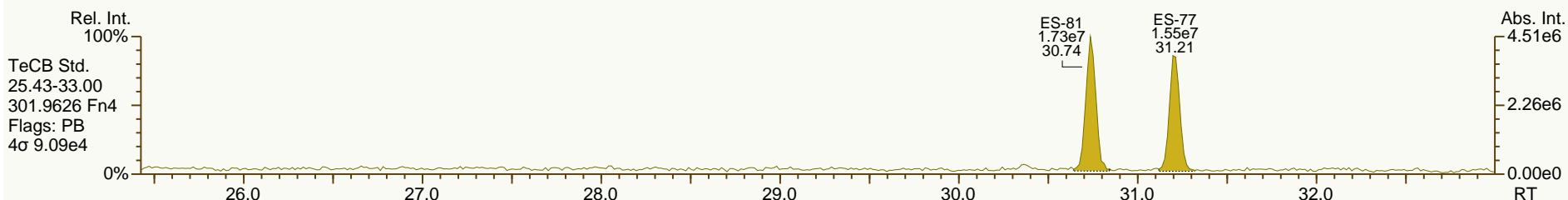
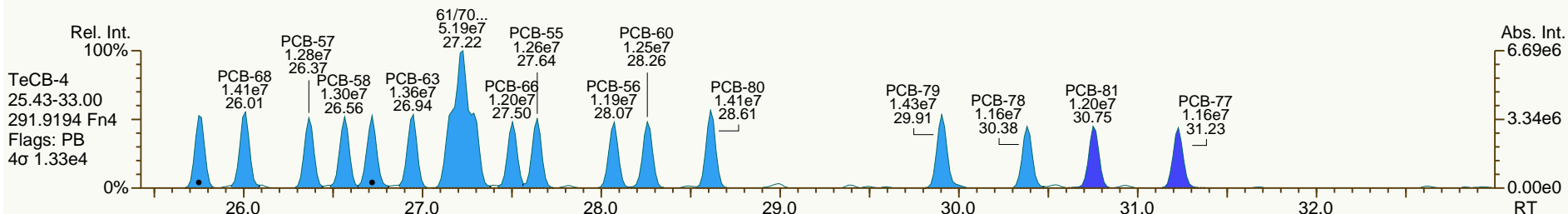
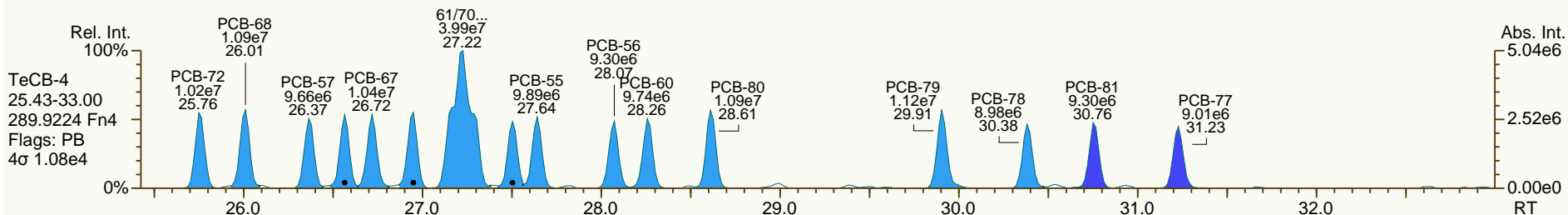
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

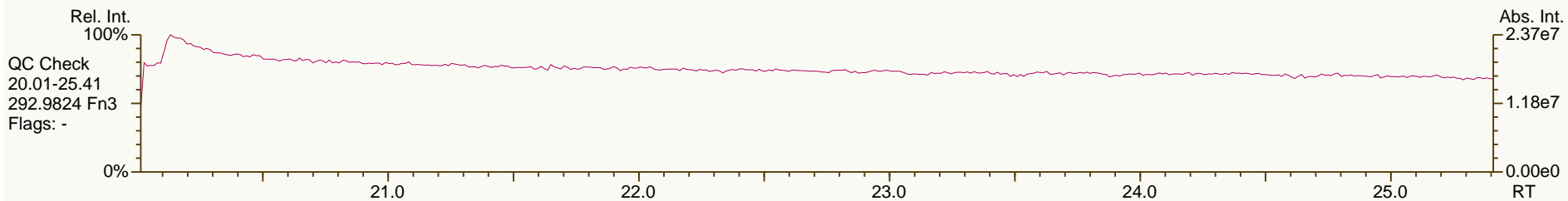
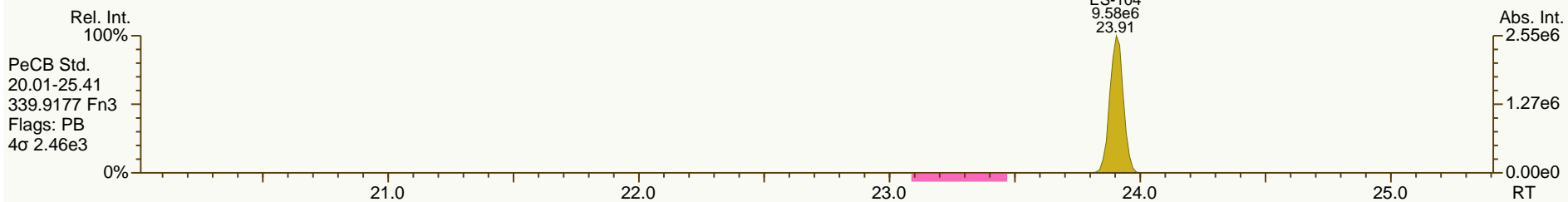
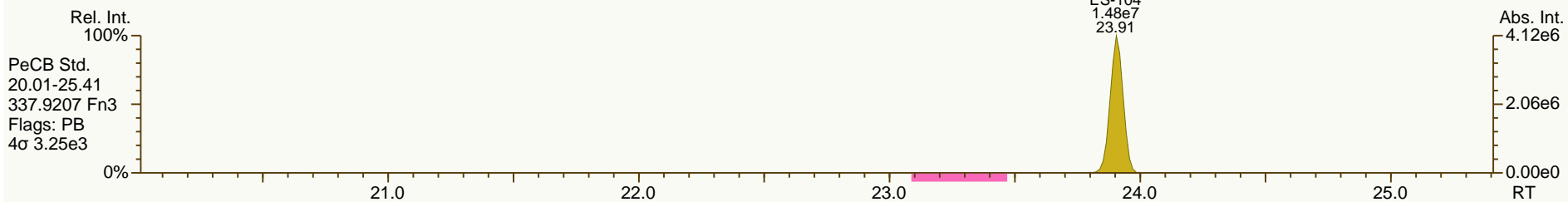
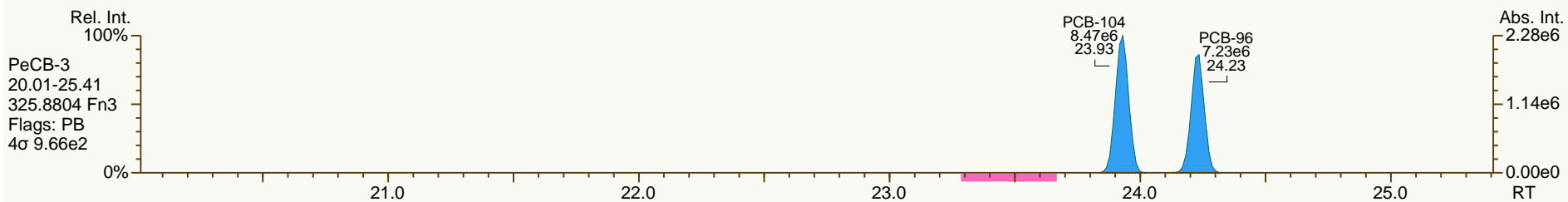
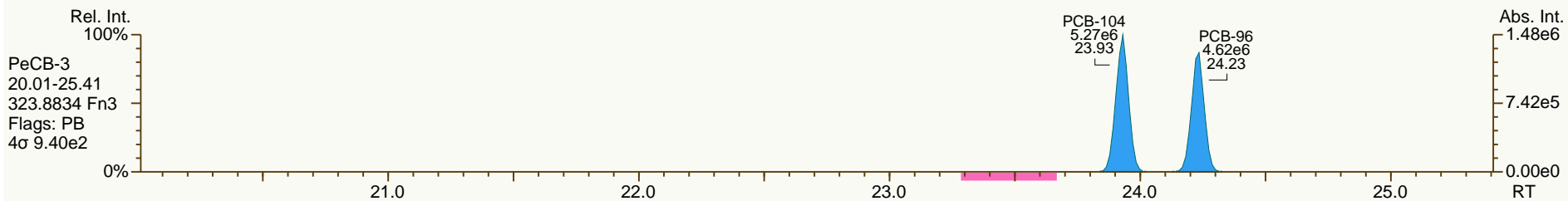
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

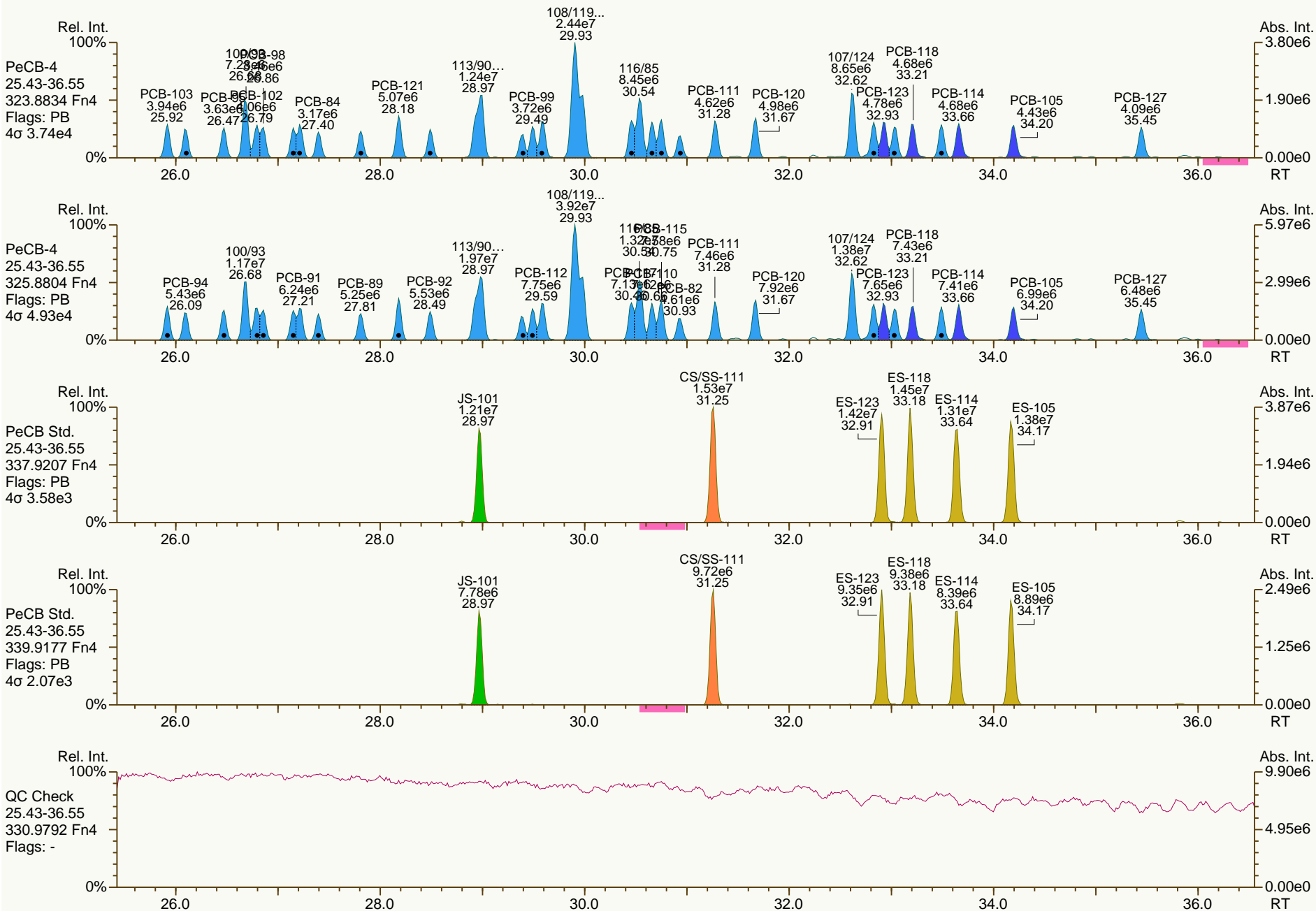
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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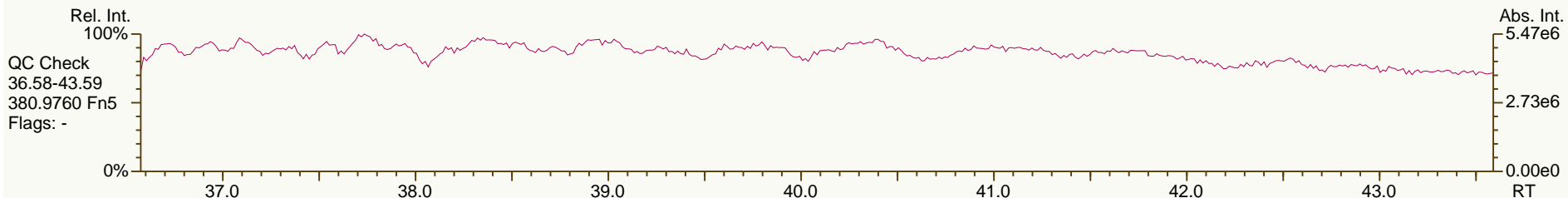
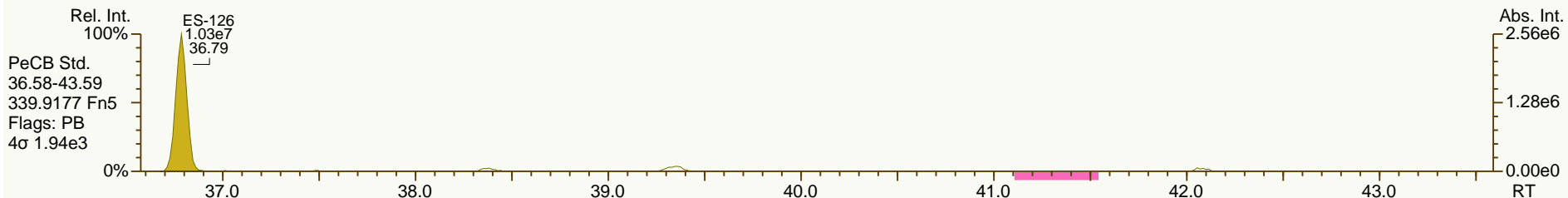
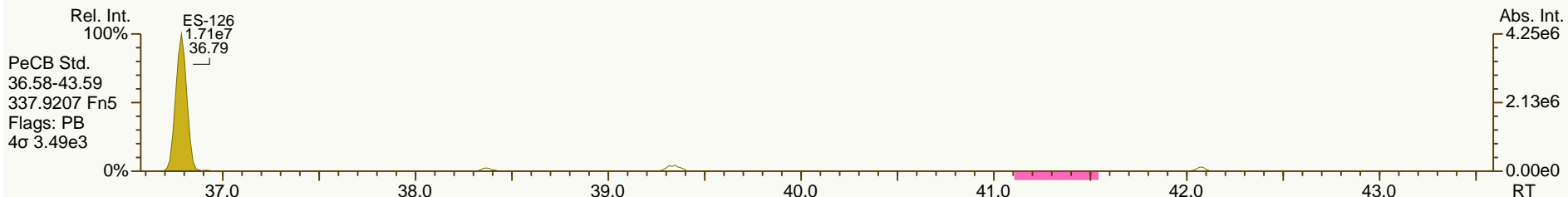
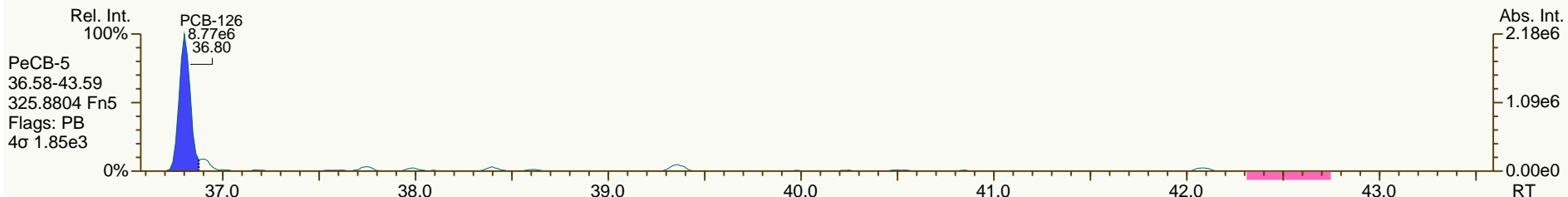
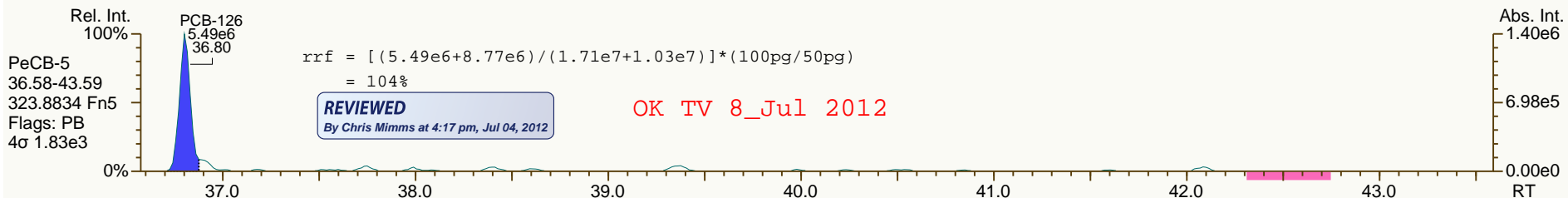
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AP Lab ID: CS3_120703_PCB_VB
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Sample ID: S40-51
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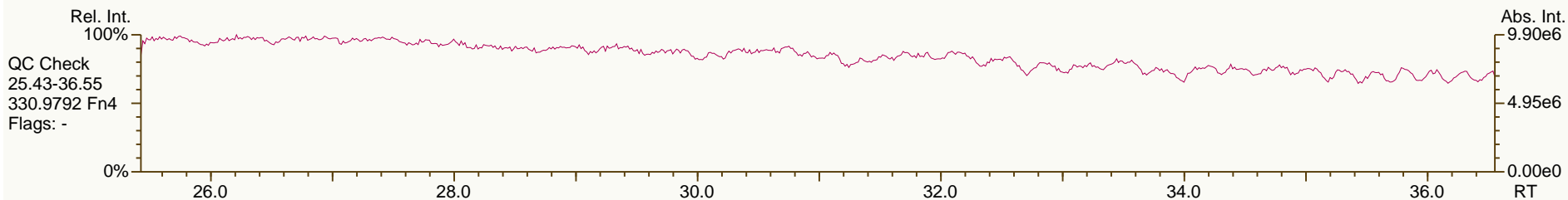
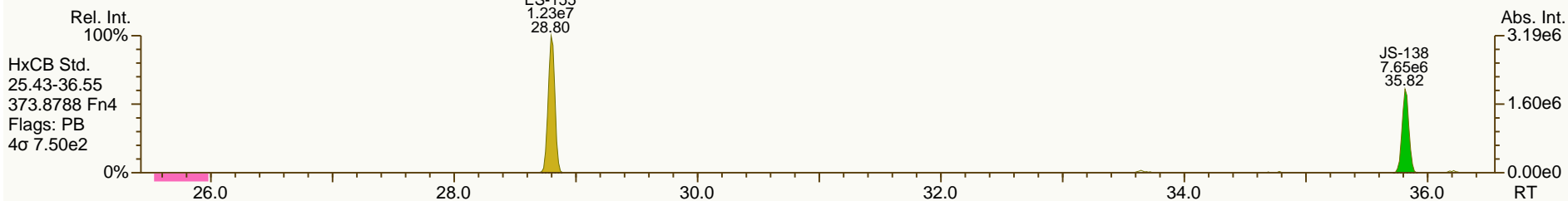
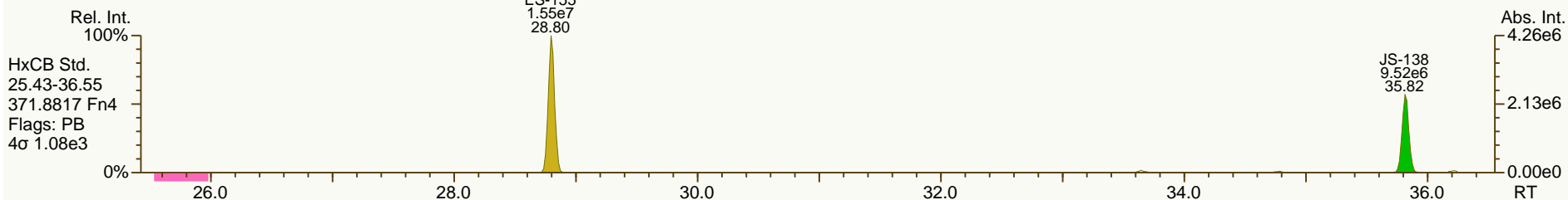
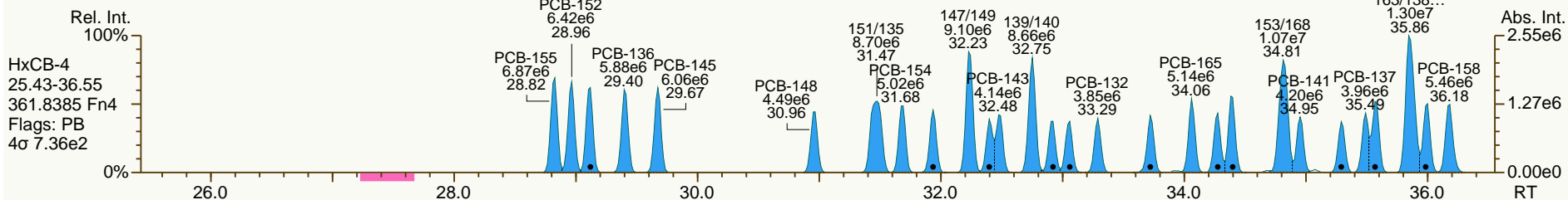
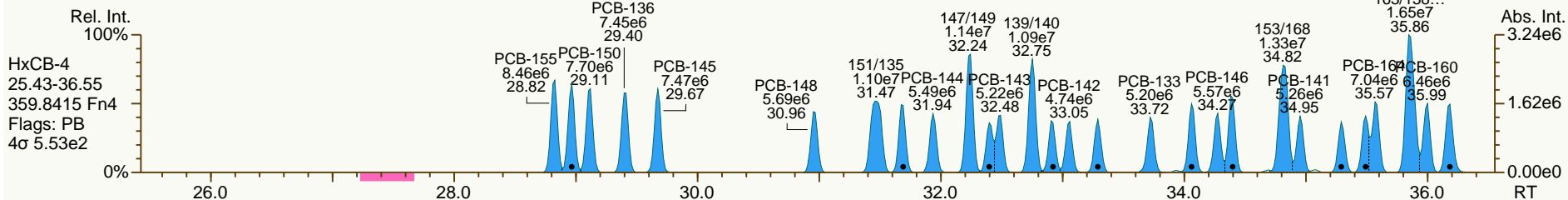
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AP Lab ID: CS3_120703_PCB_VB
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Sample ID: S40-51
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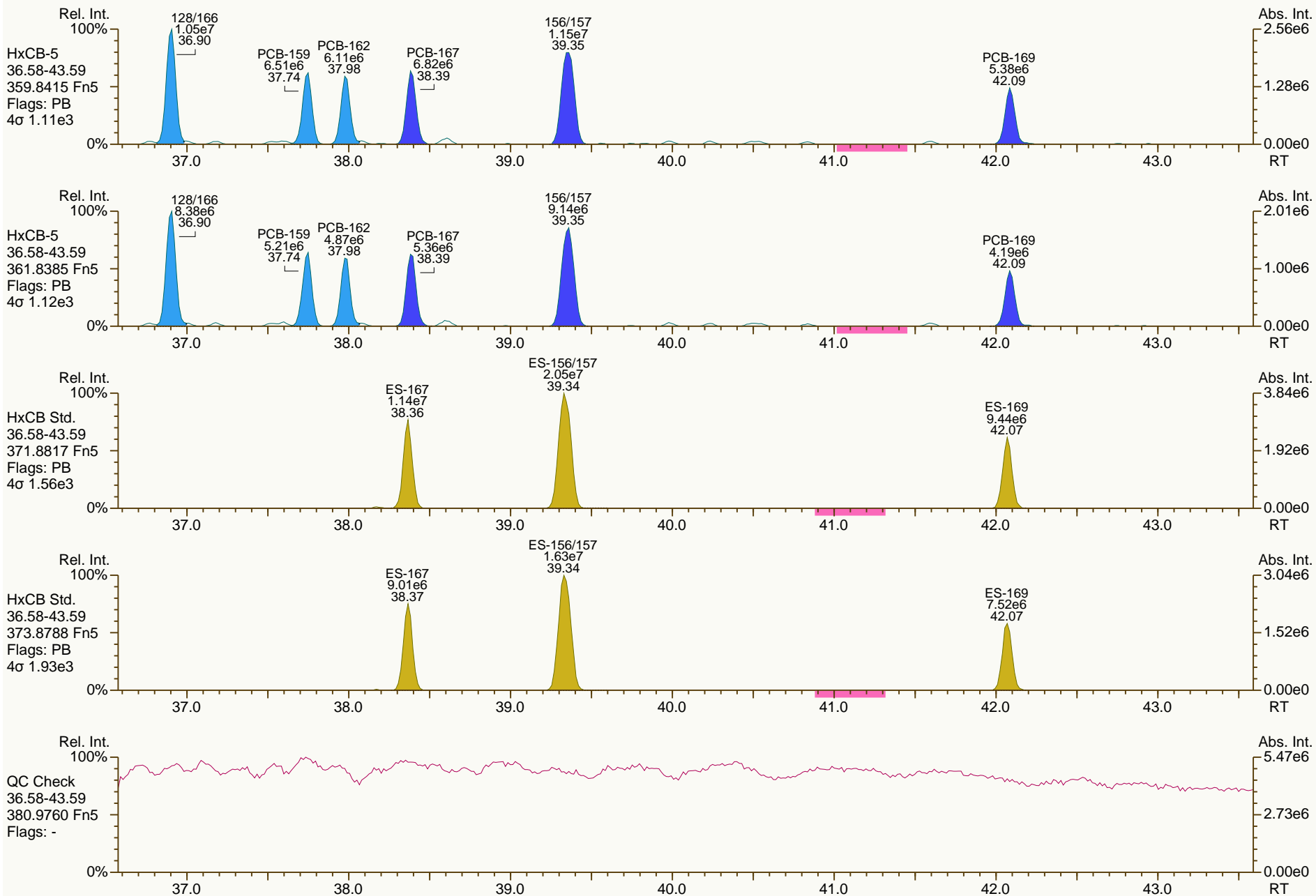
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AP Lab ID: CS3_120703_PCB_VB
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Sample ID: S40-51
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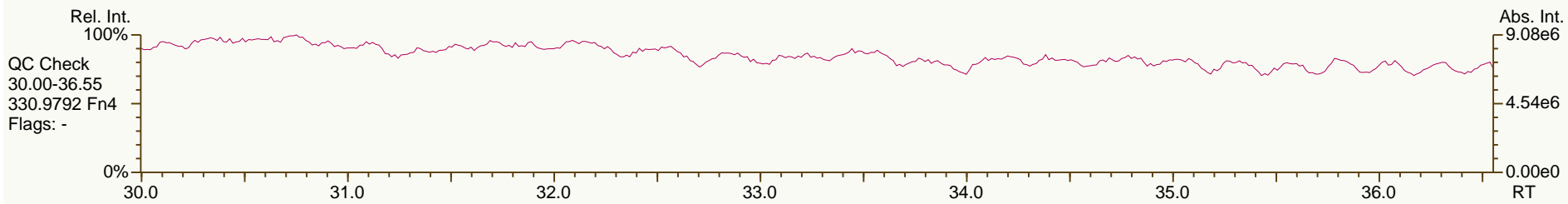
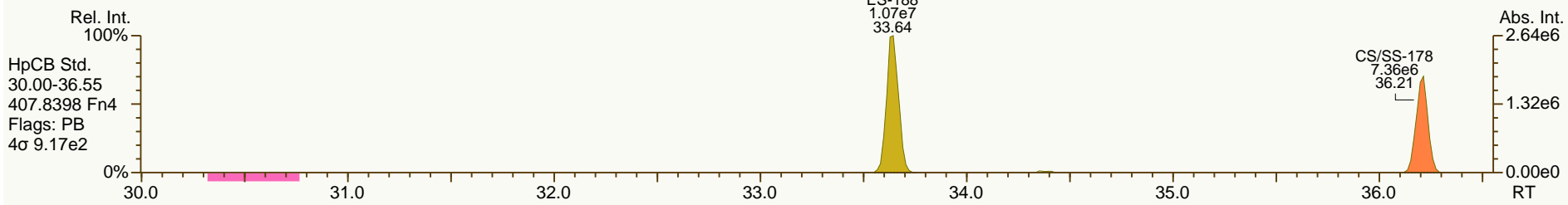
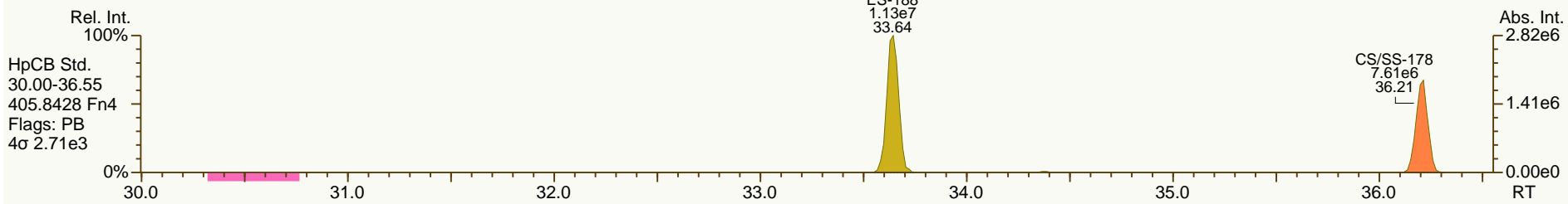
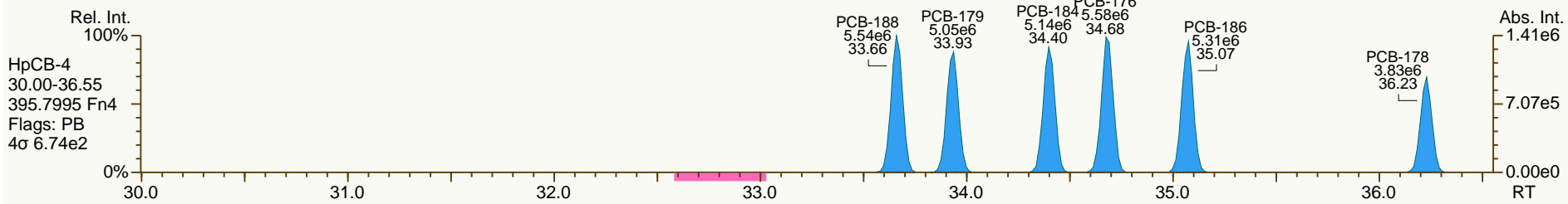
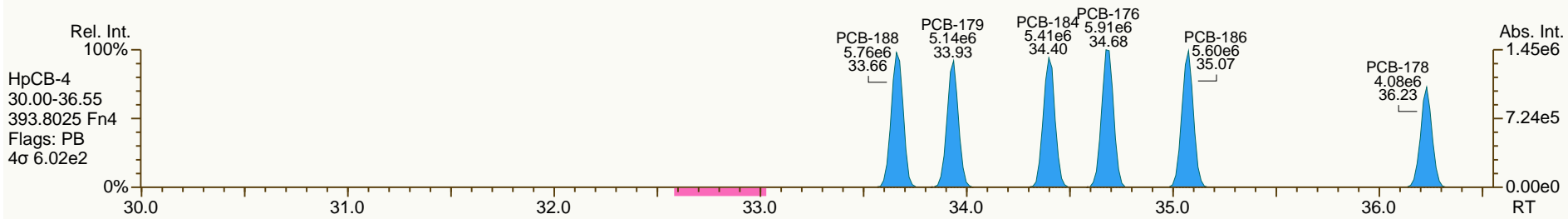
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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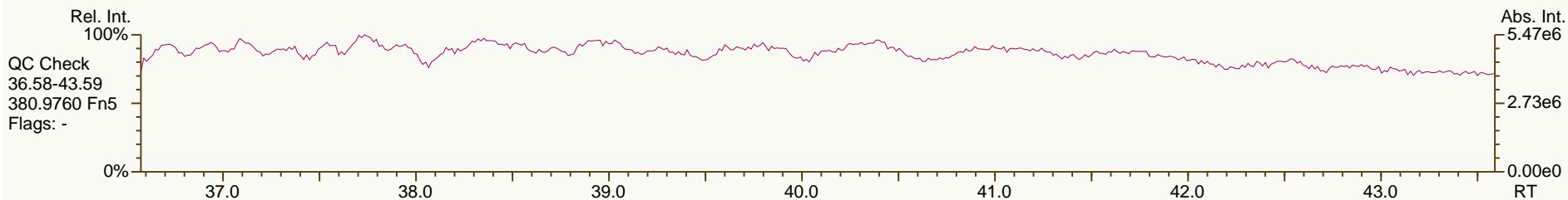
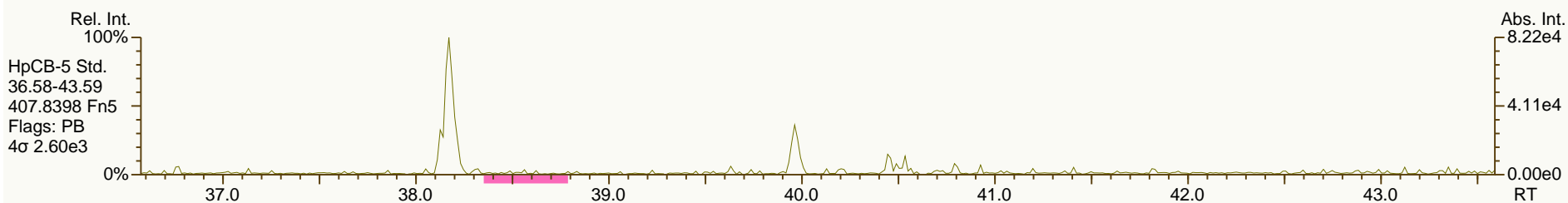
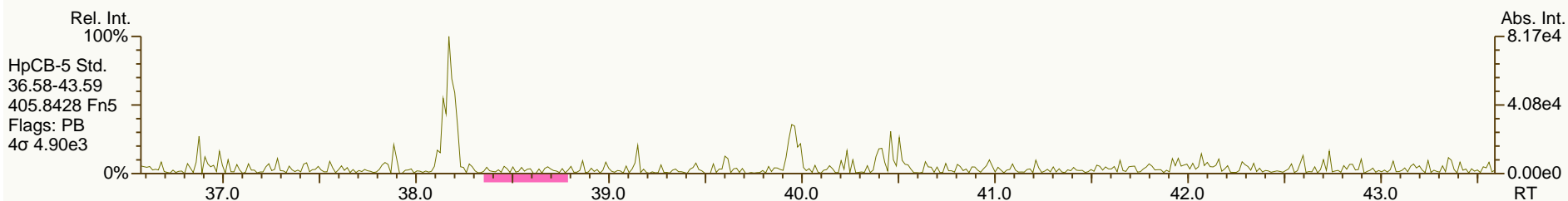
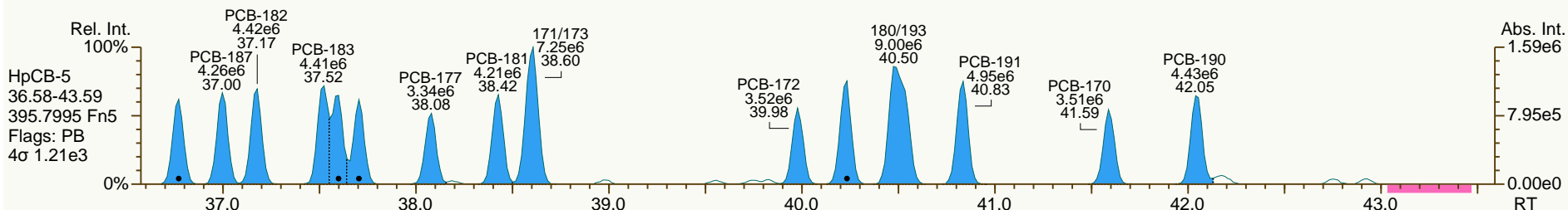
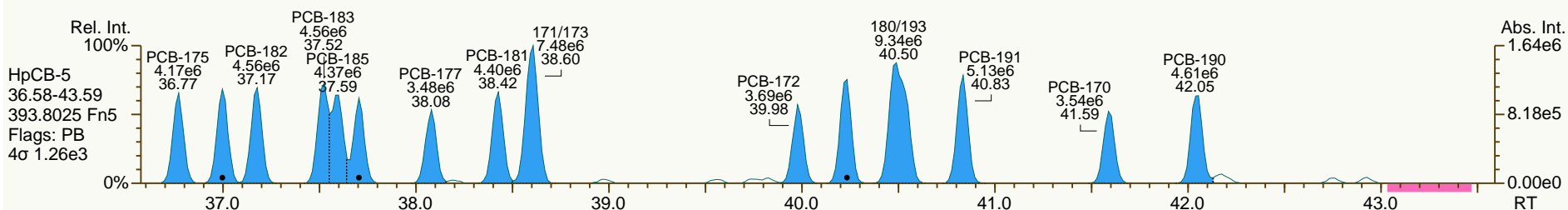
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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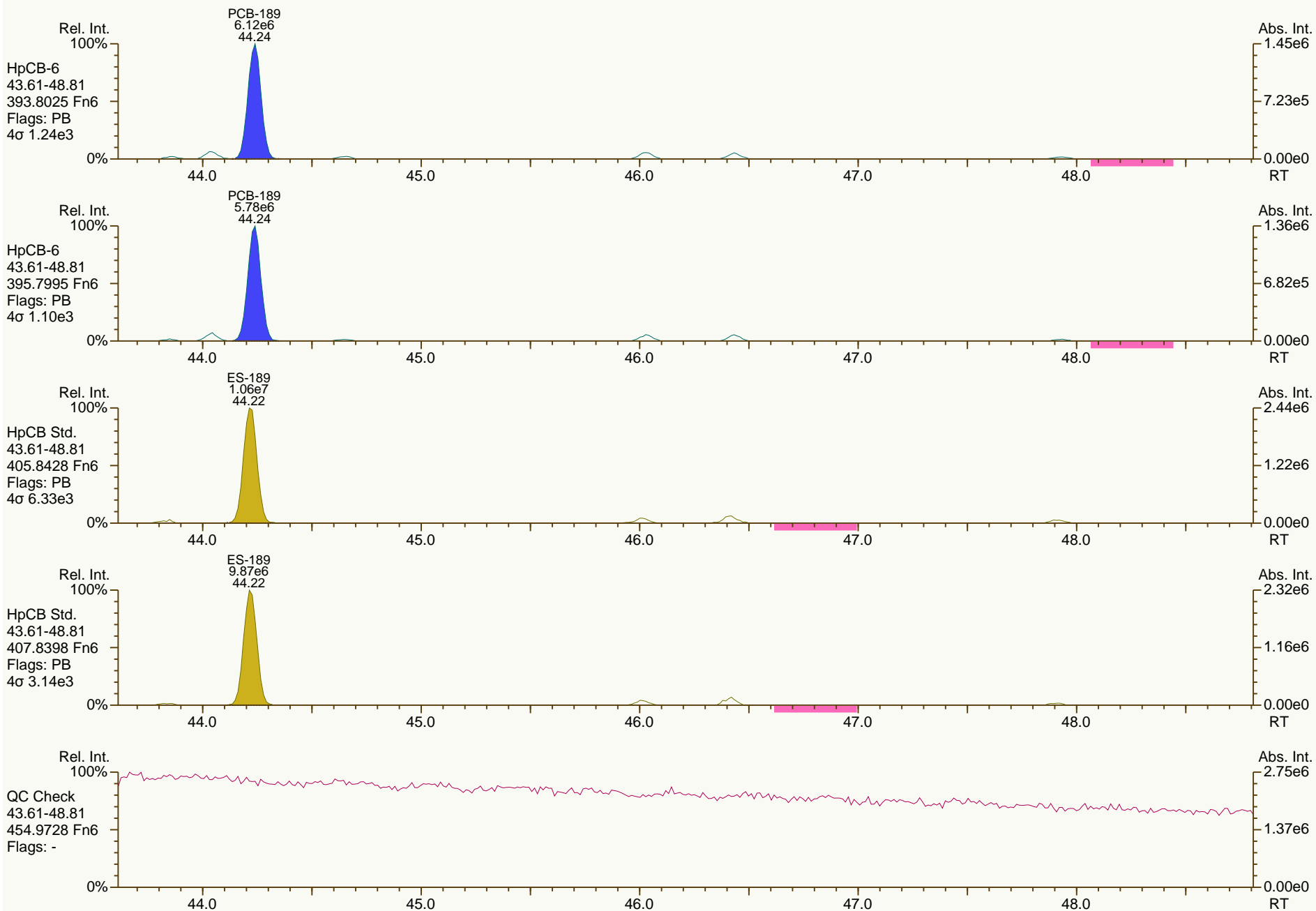
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

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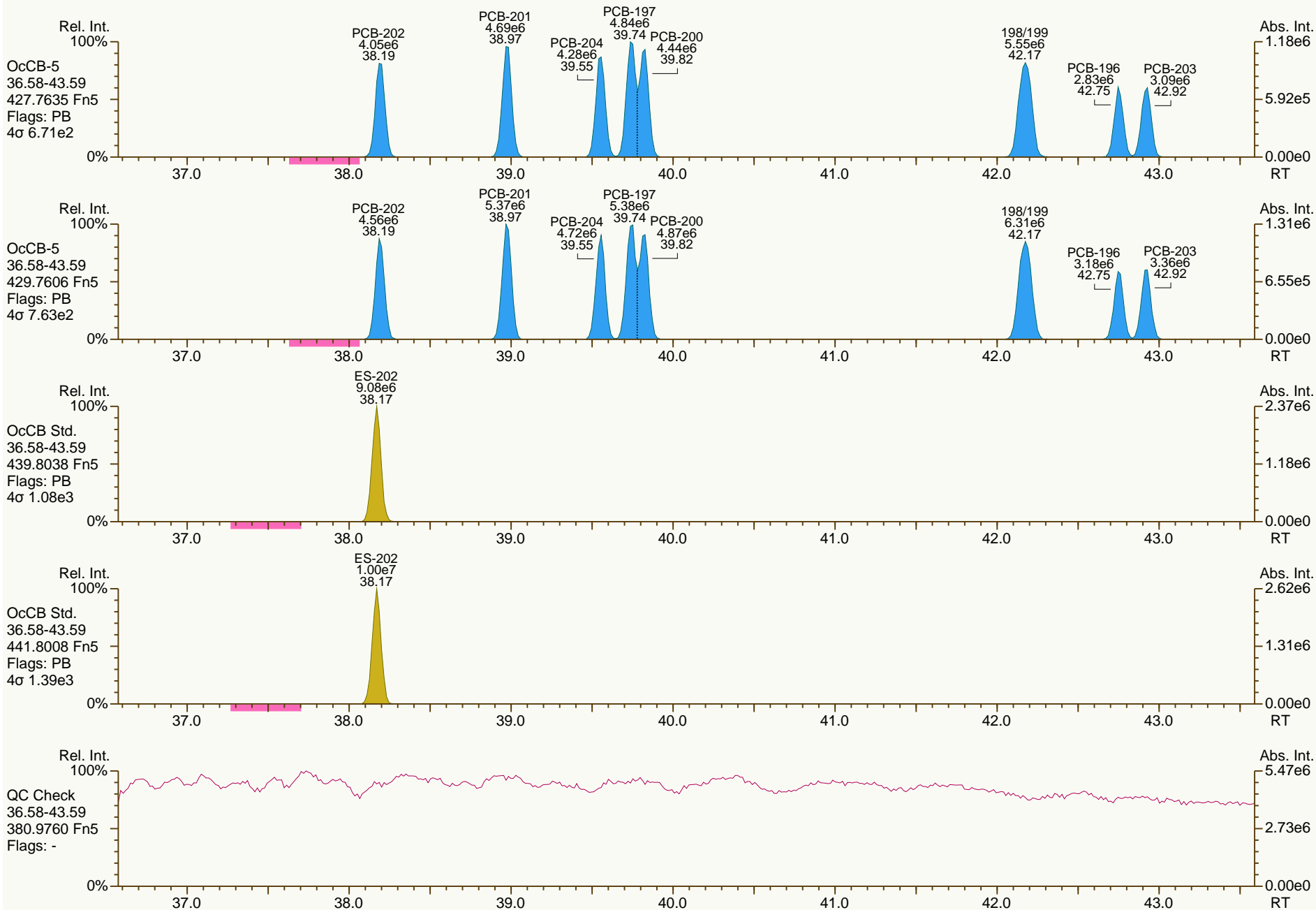
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 Instr: AutoSpec-Premier MM6

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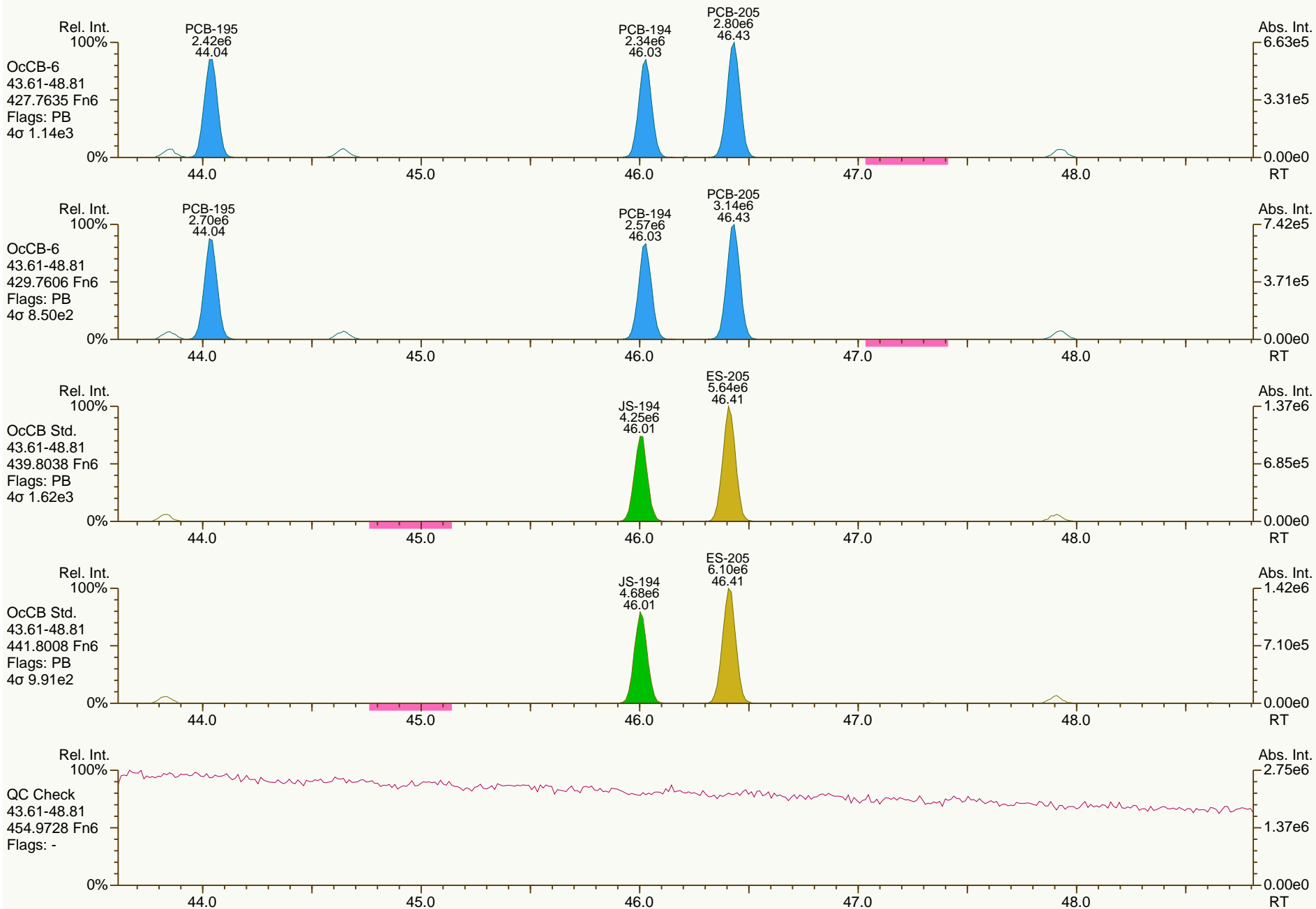
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 Instr: AutoSpec-Premier MM6

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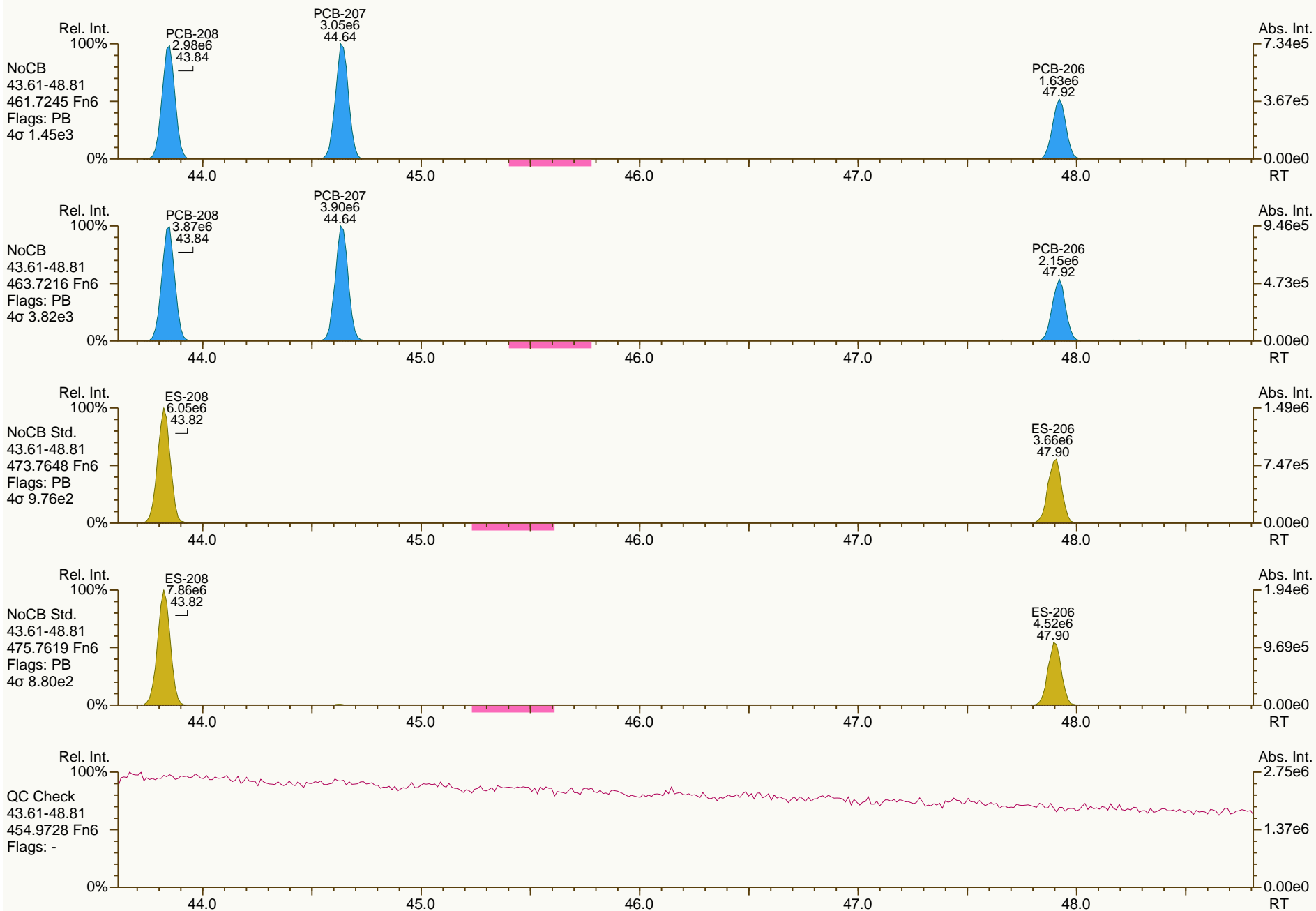
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

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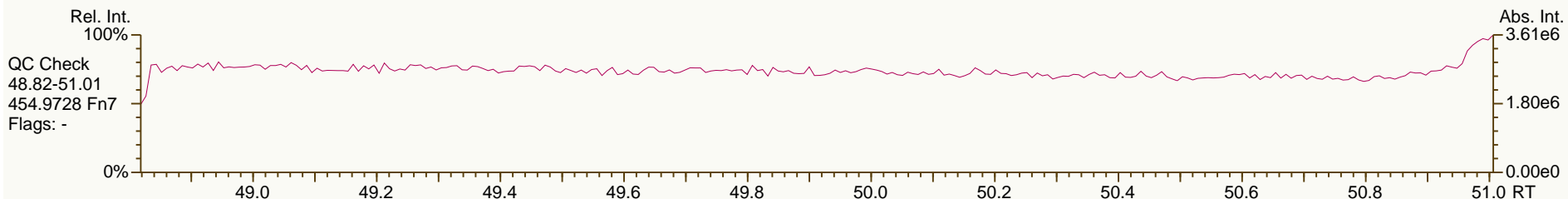
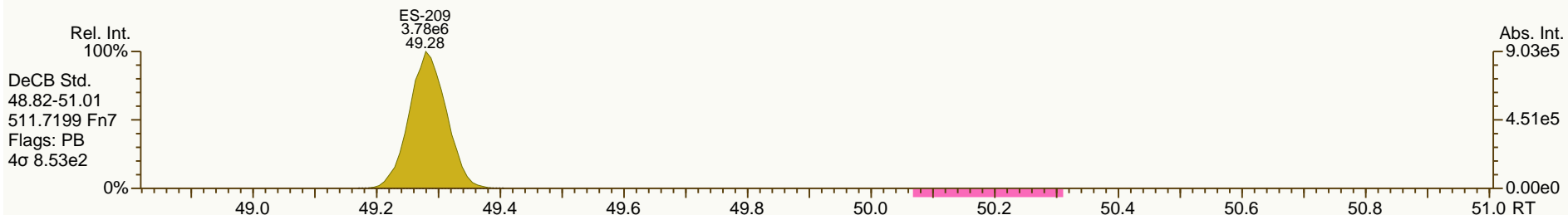
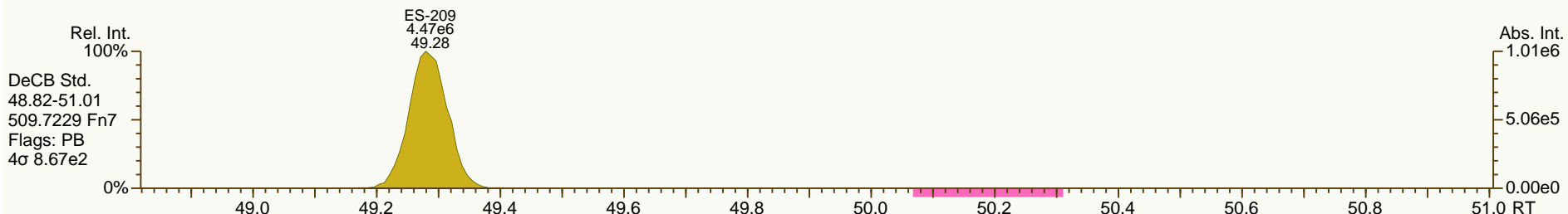
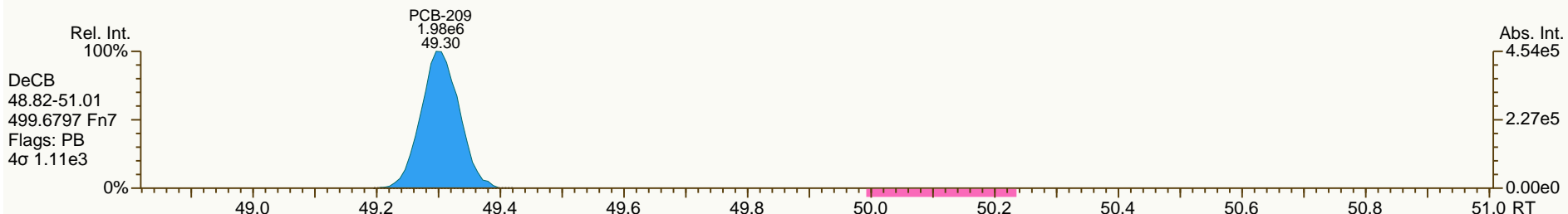
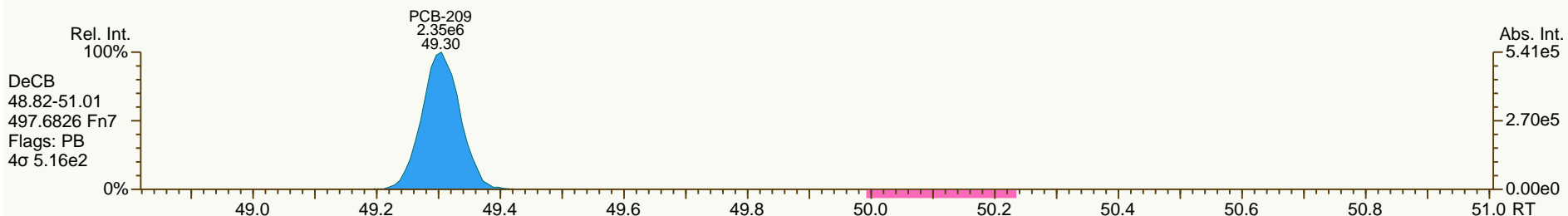
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AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
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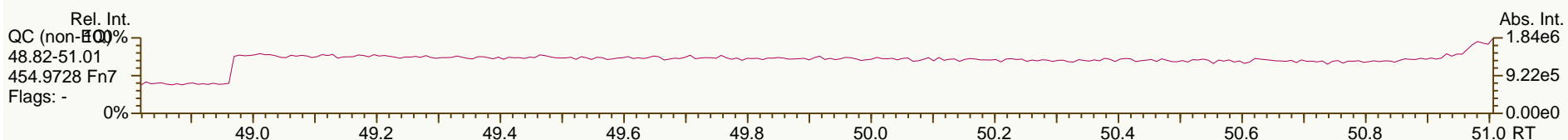
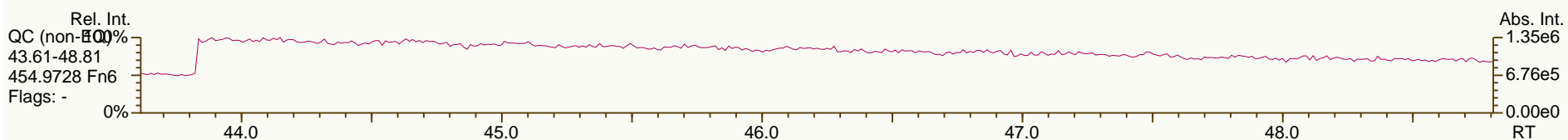
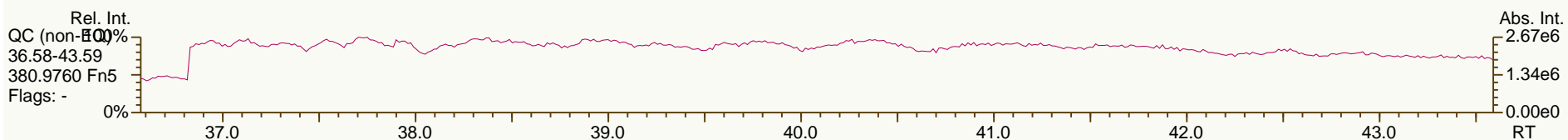
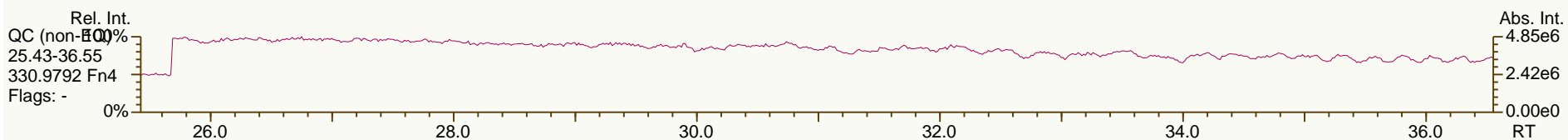
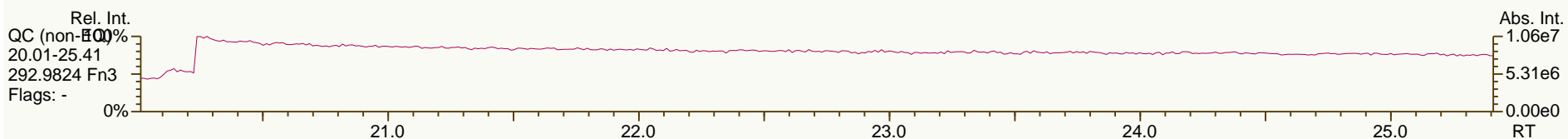
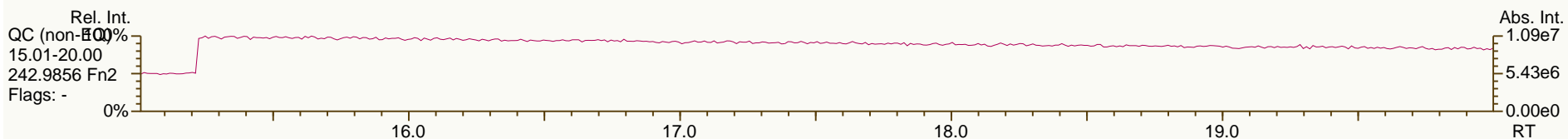
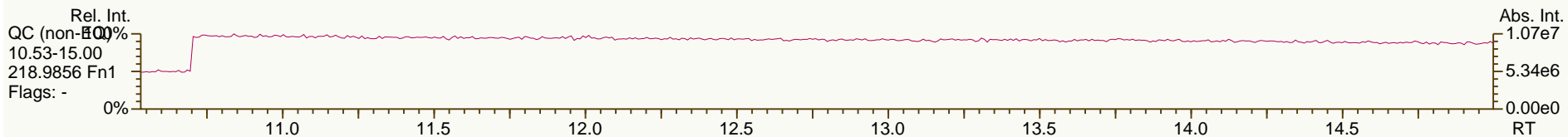
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 User: CEM Datafile: 120703V17



AP Lab ID: CS3_120703_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: S40-51
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

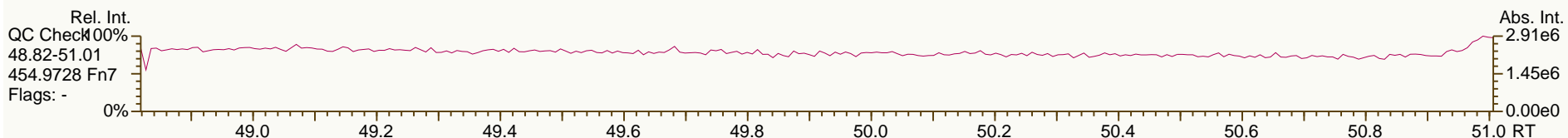
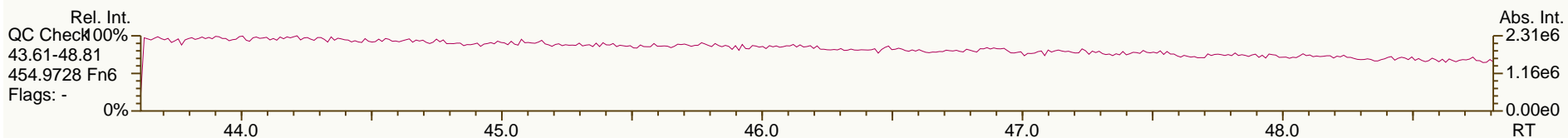
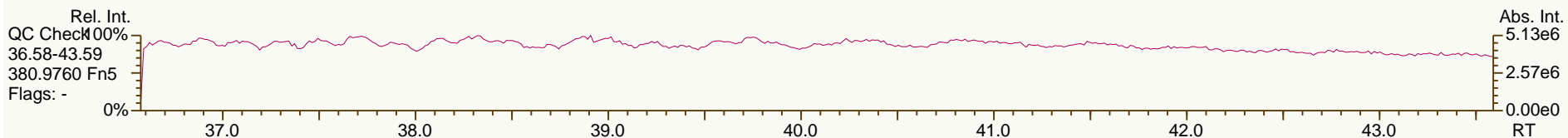
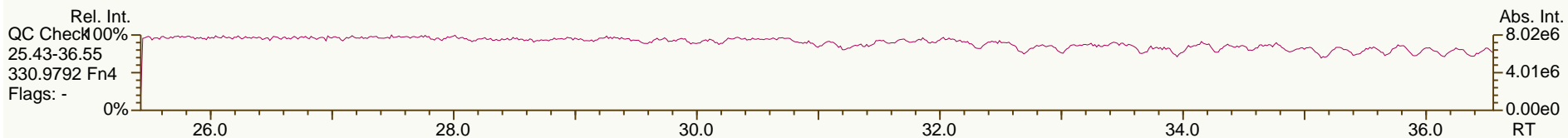
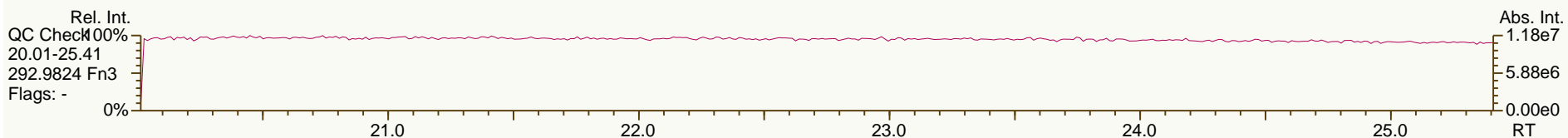
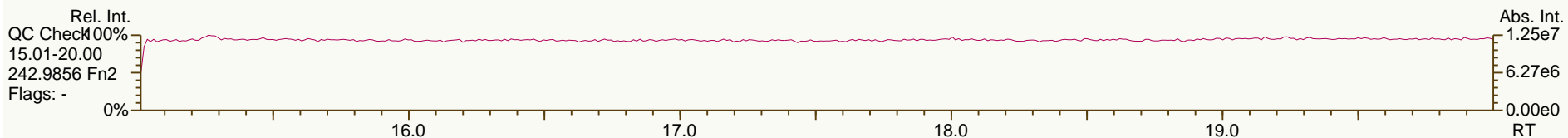
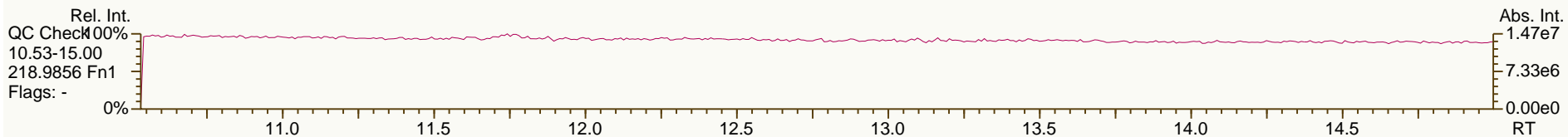
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 User: CEM Datafile: 120703V17



AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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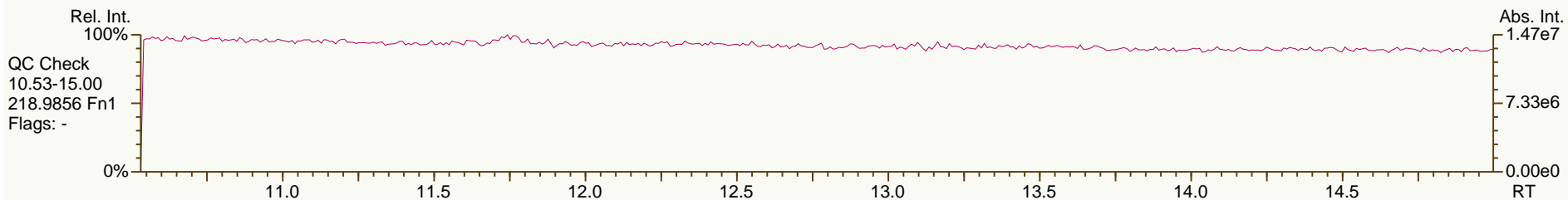
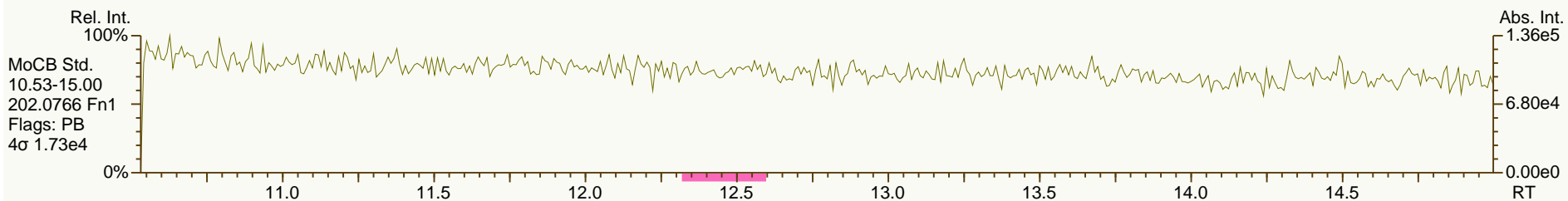
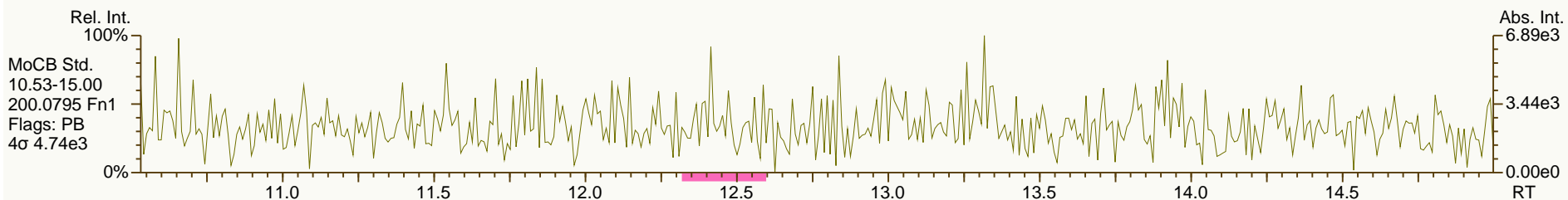
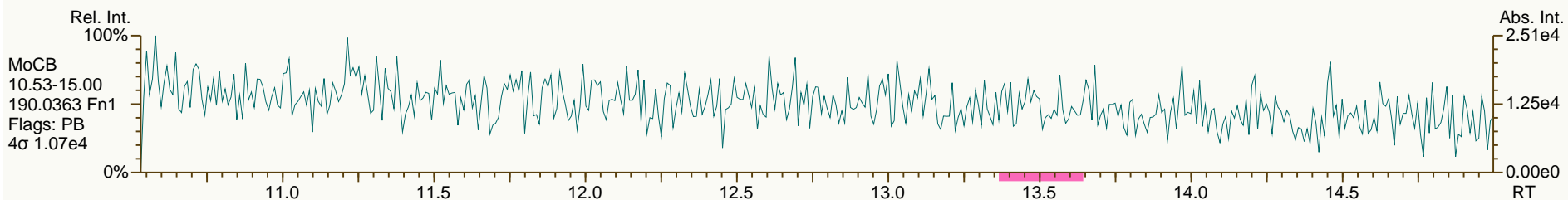
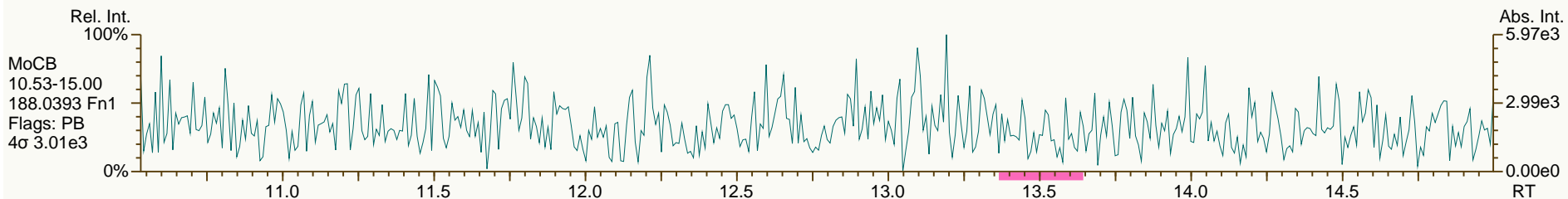
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

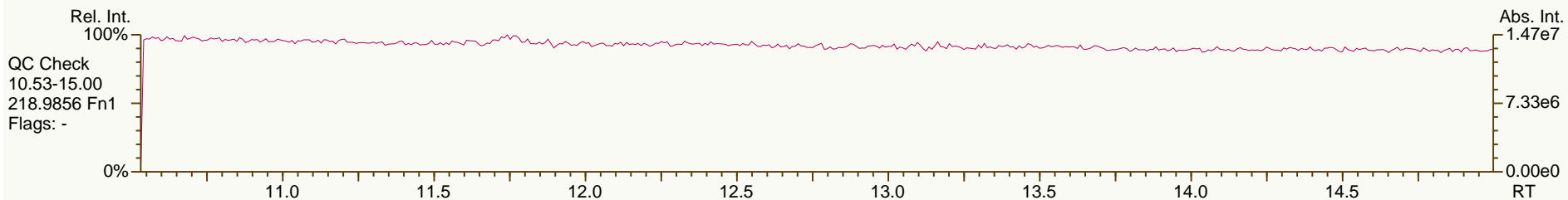
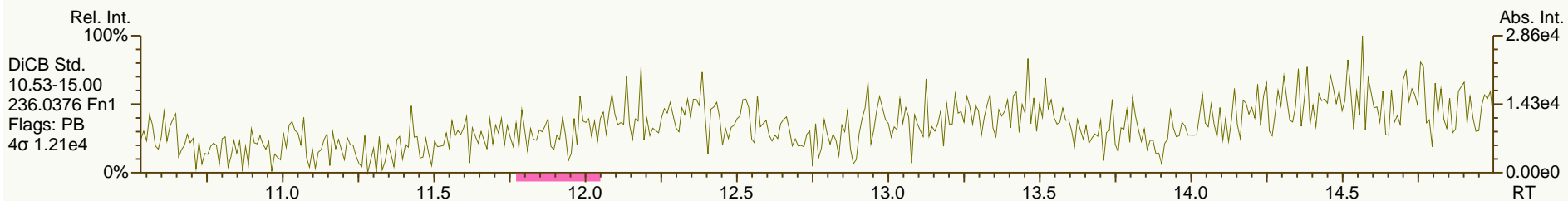
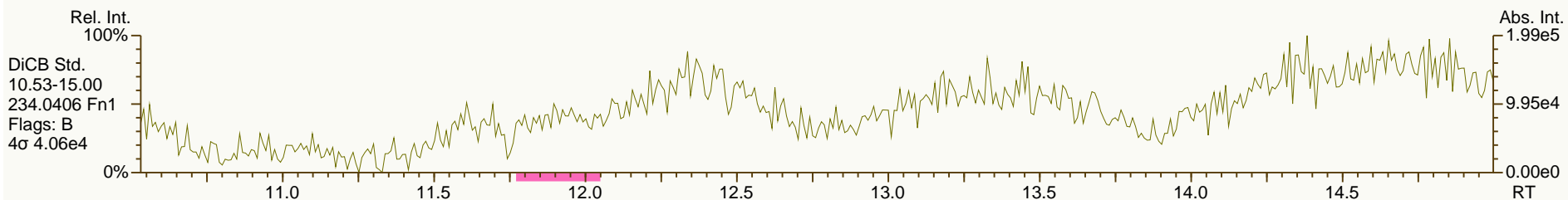
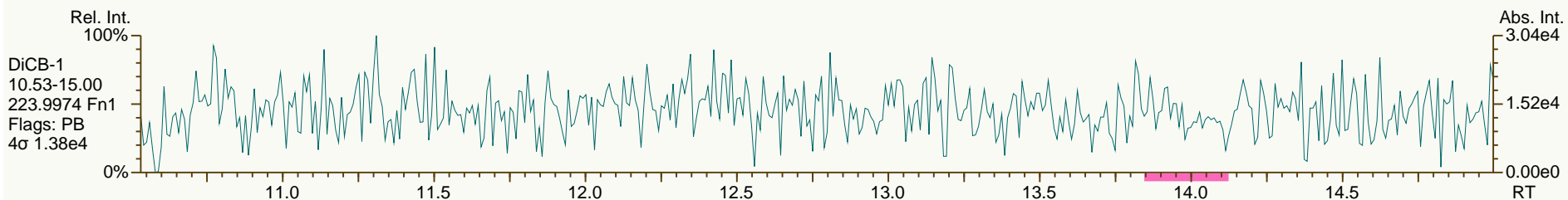
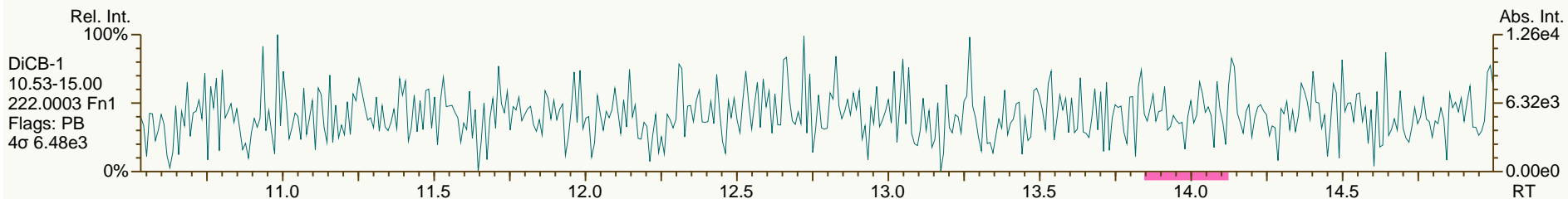
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

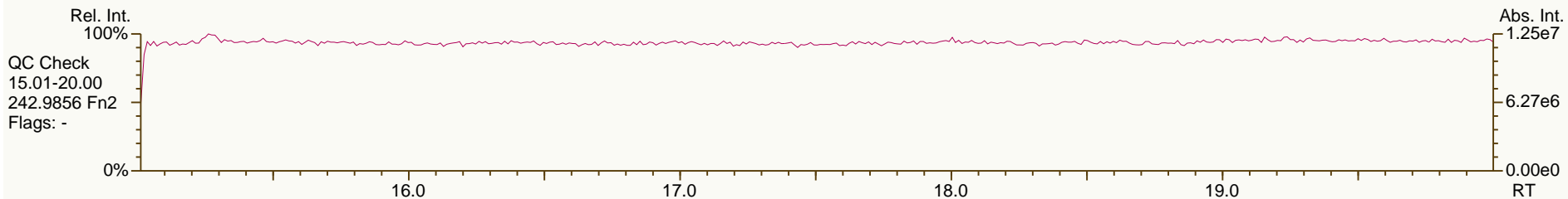
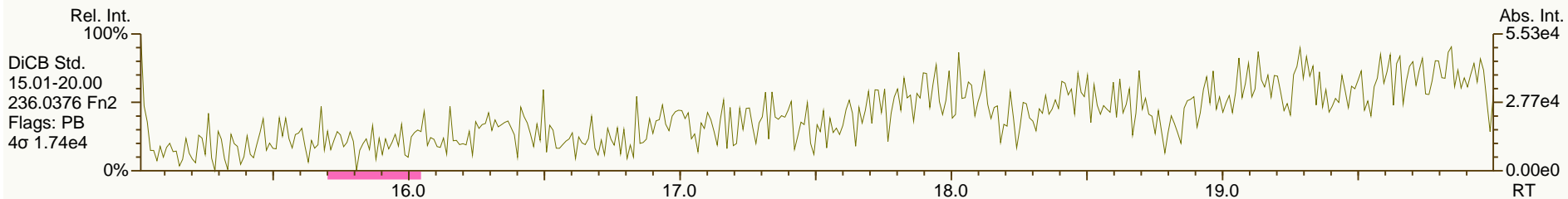
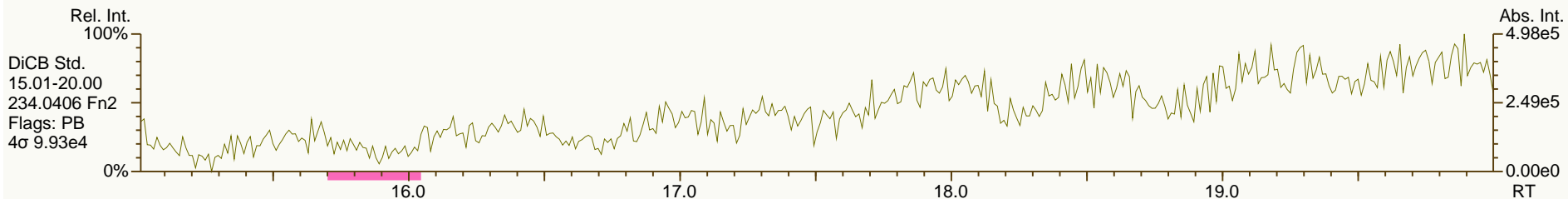
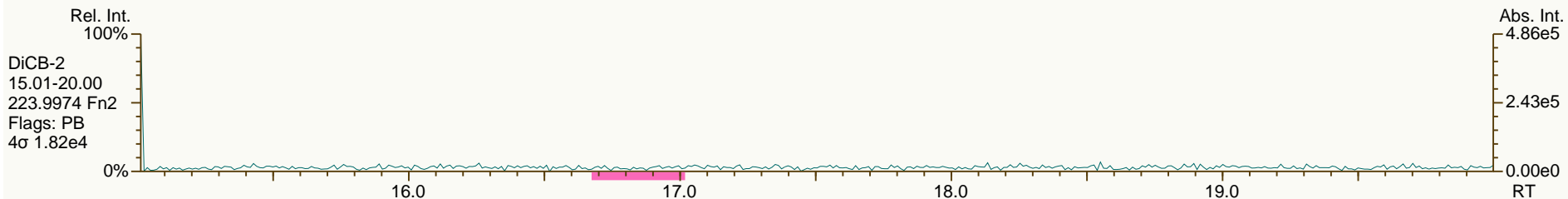
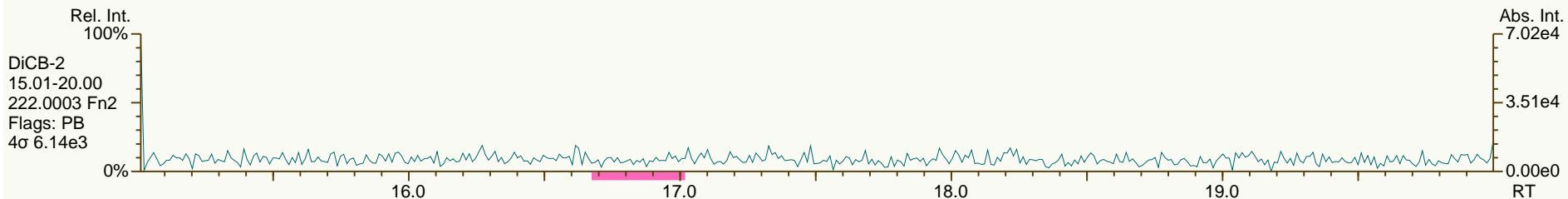
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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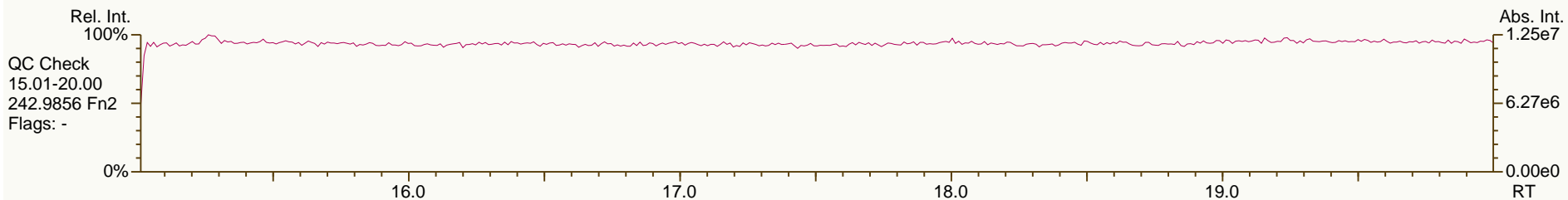
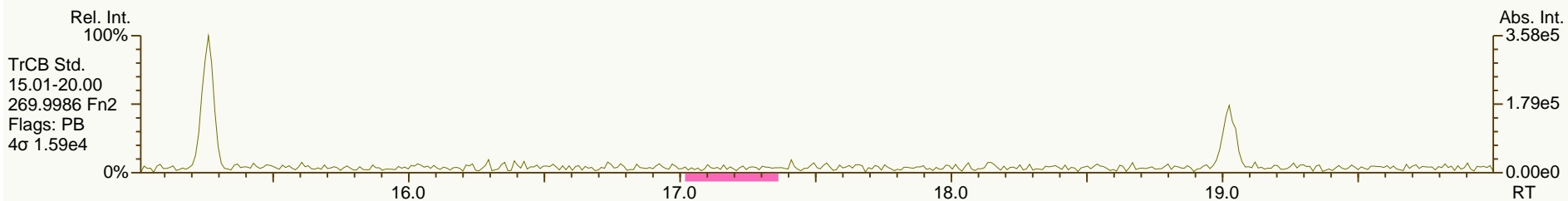
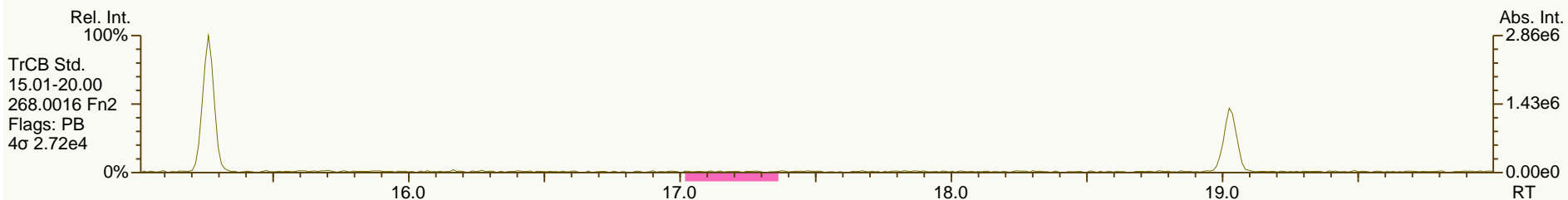
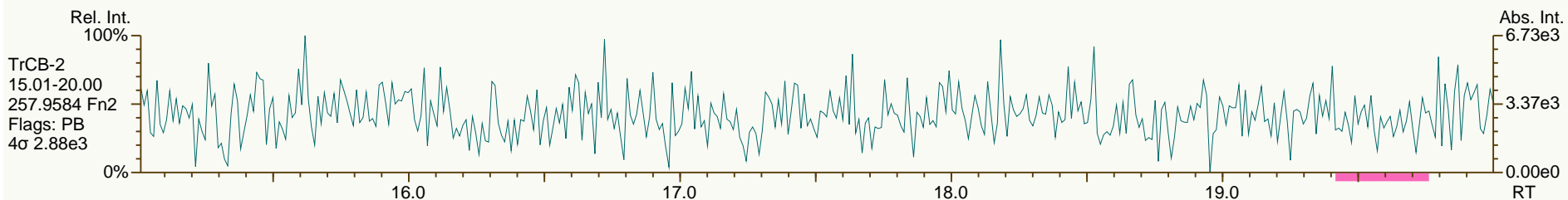
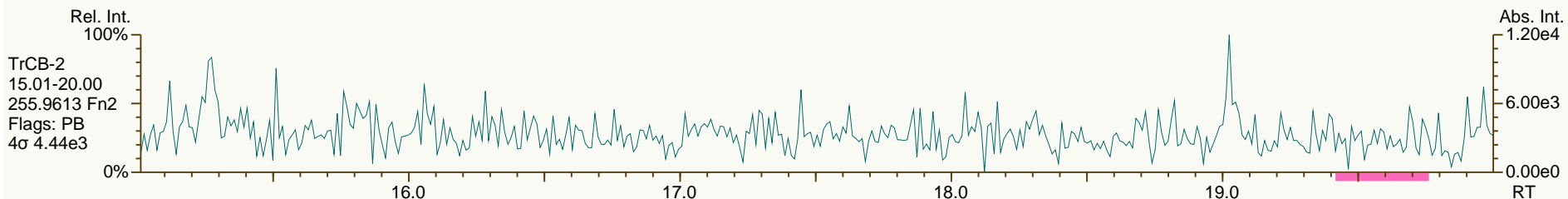
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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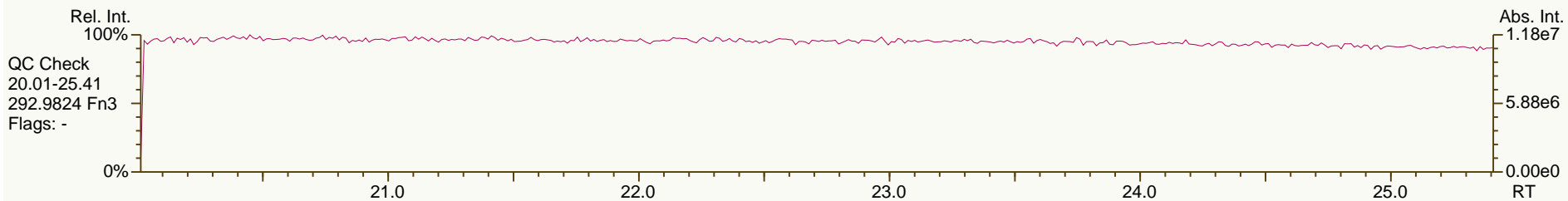
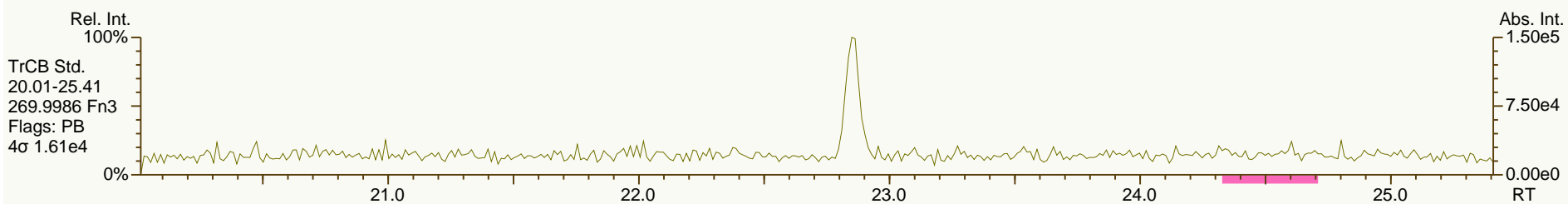
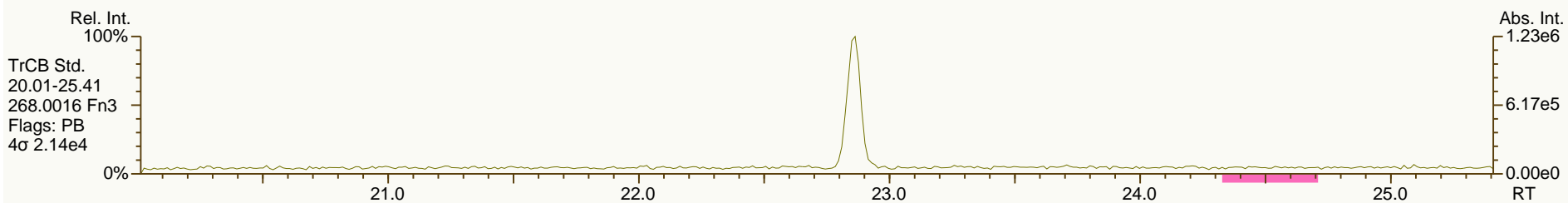
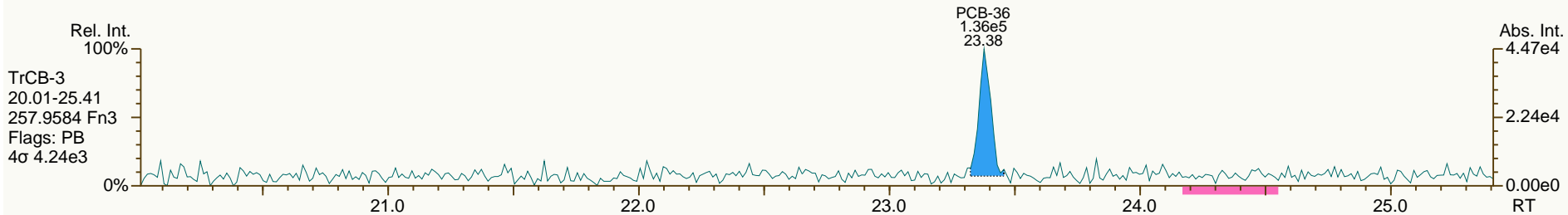
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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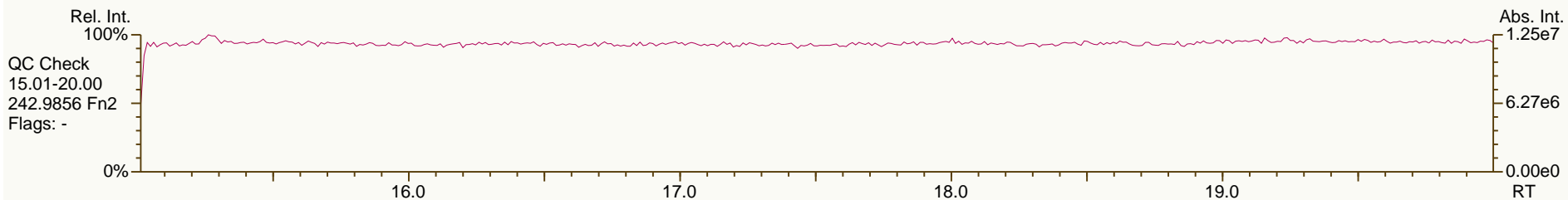
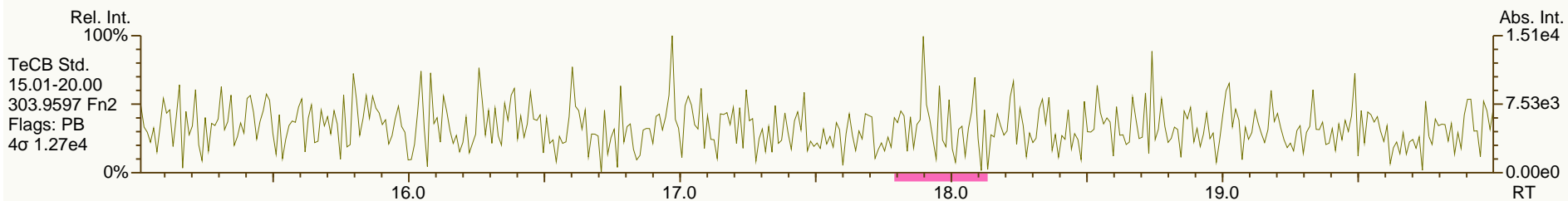
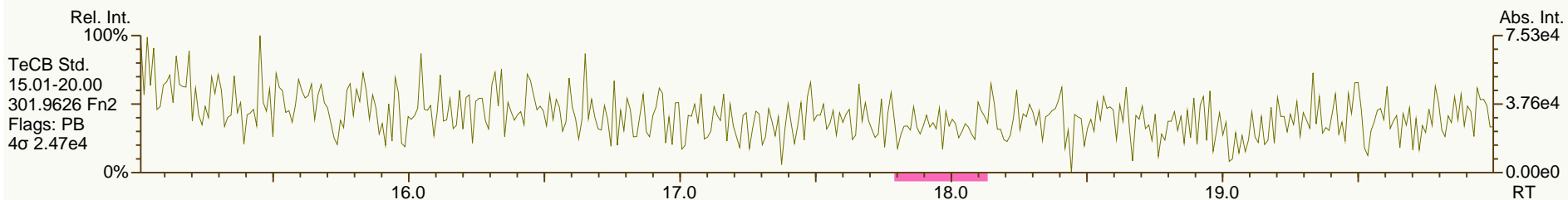
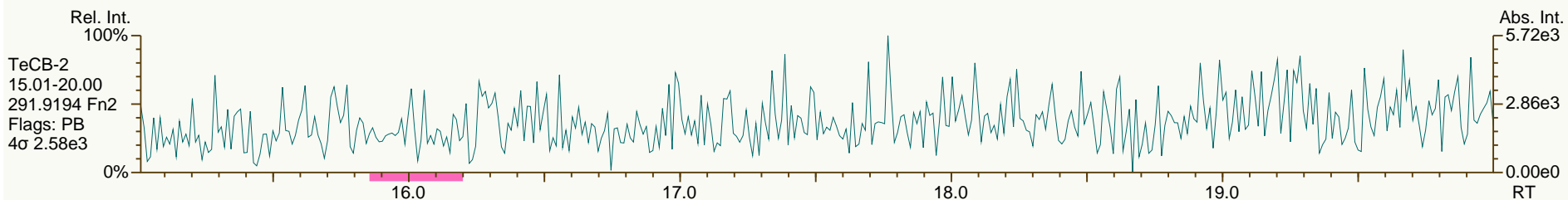
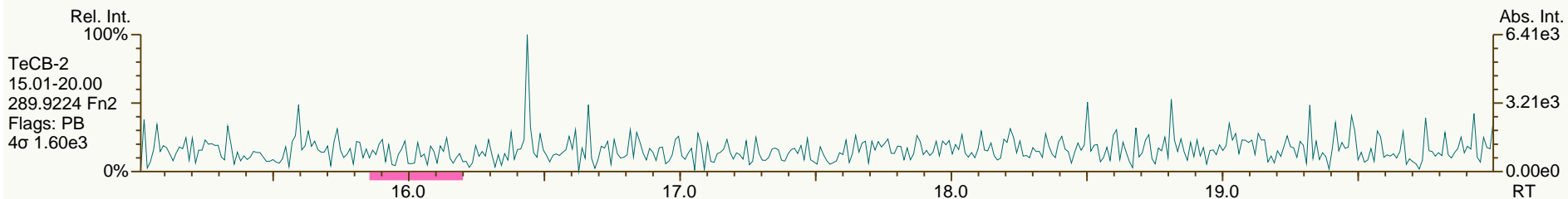
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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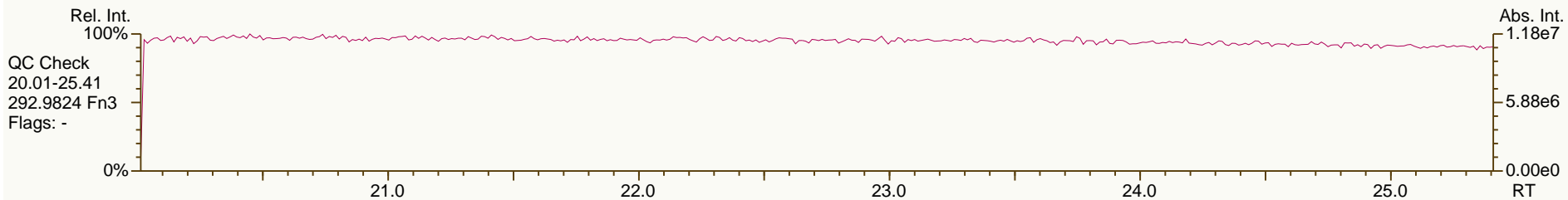
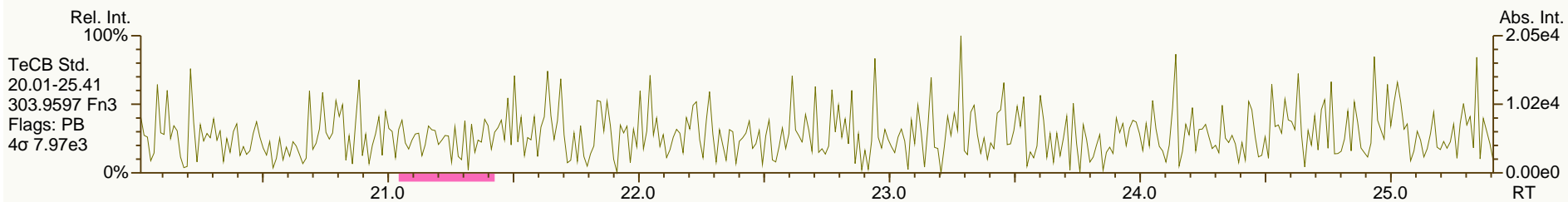
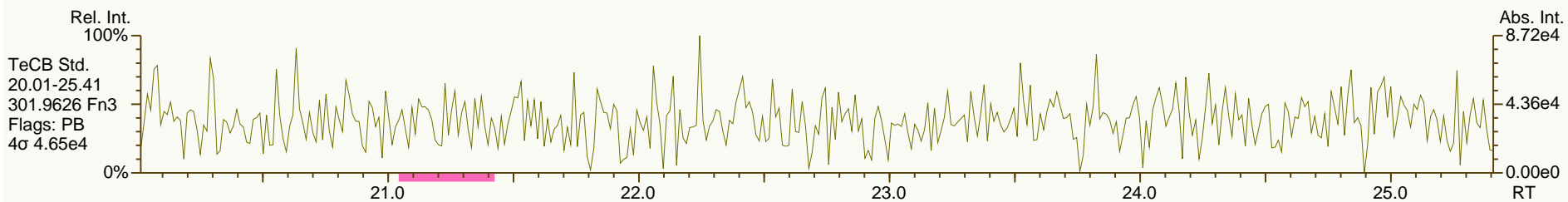
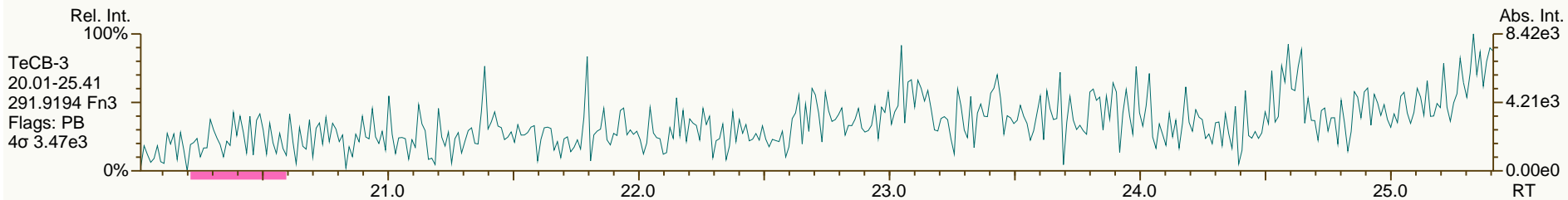
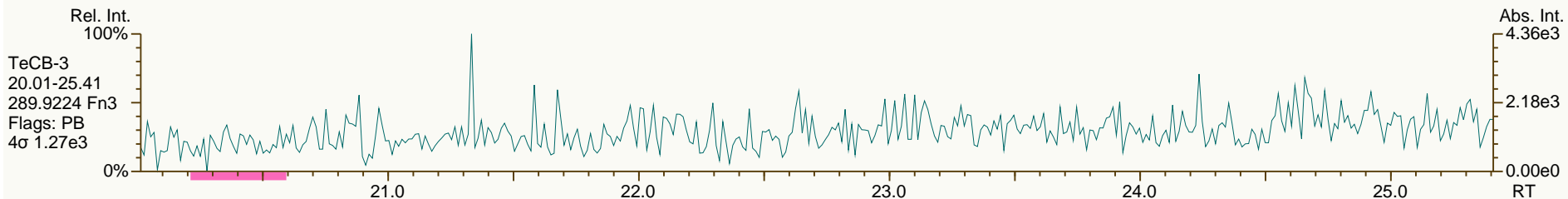
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AP Lab ID: SBS_120703_PCB_VA
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Sample ID: SIL 9-41-1
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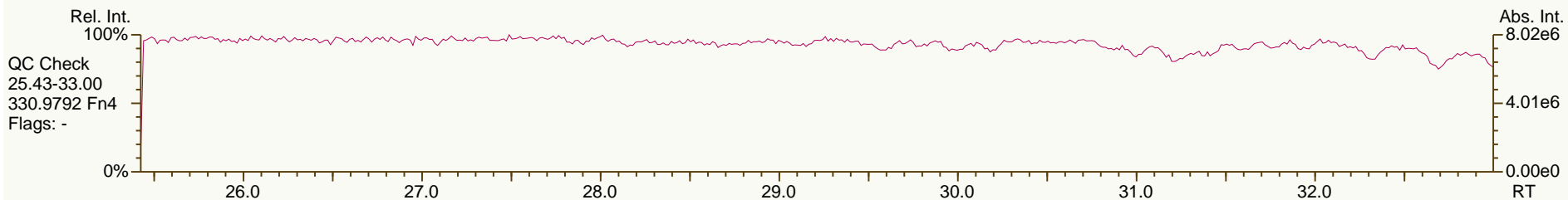
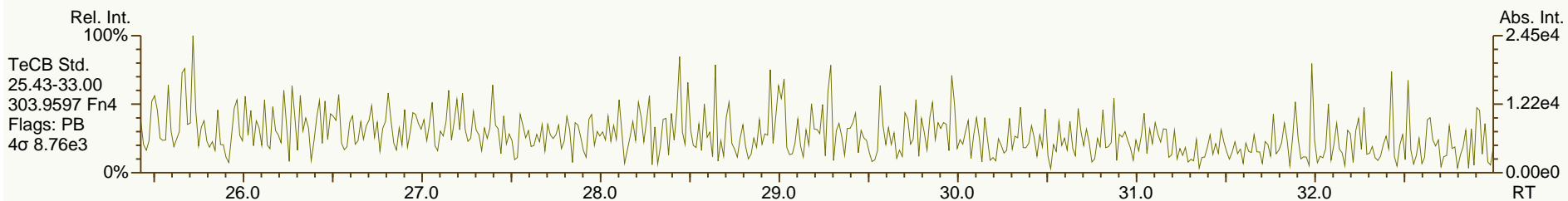
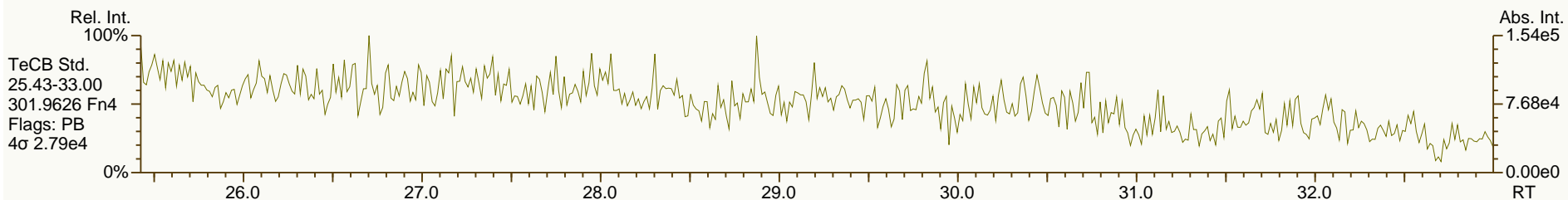
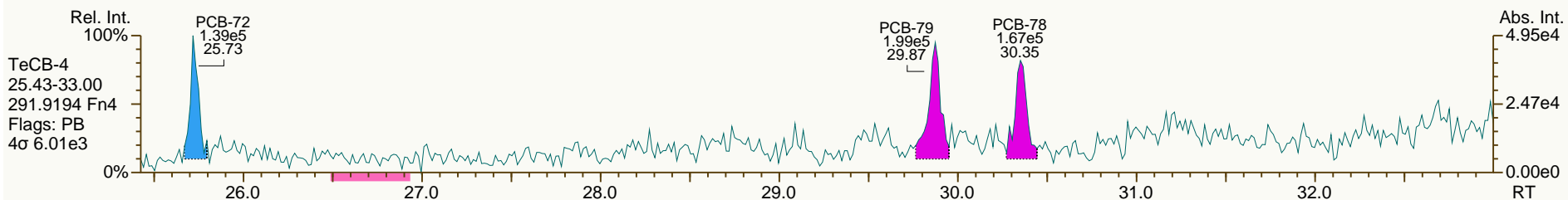
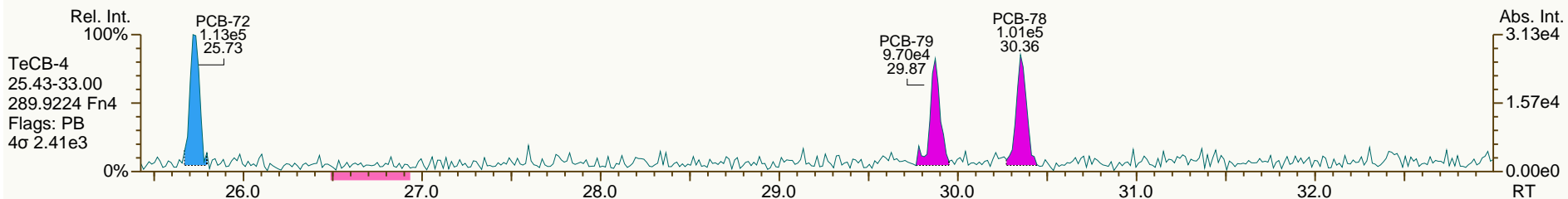
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

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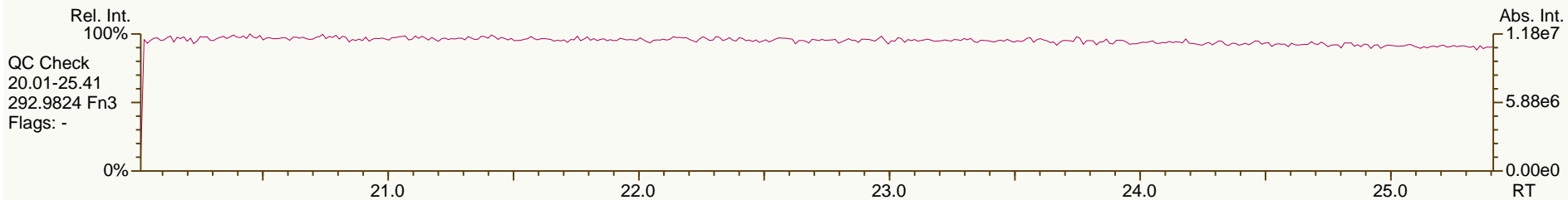
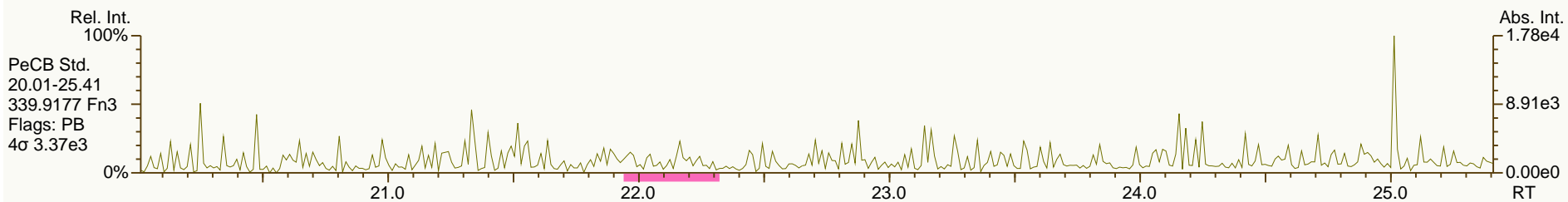
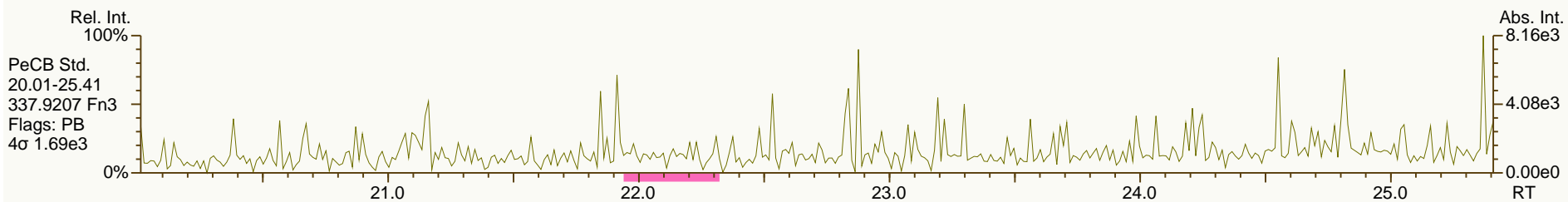
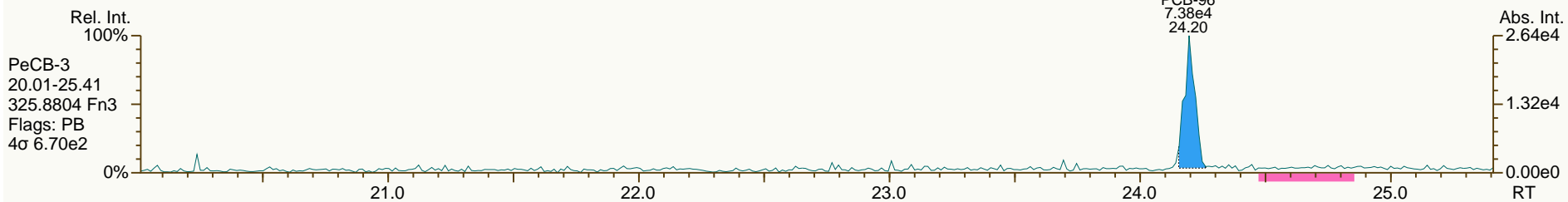
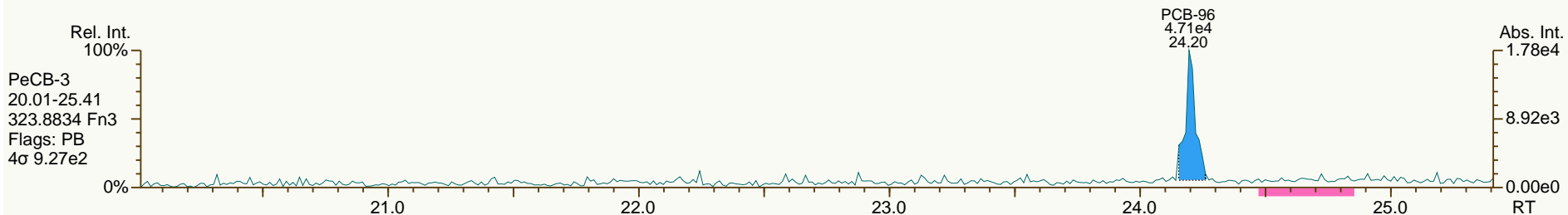
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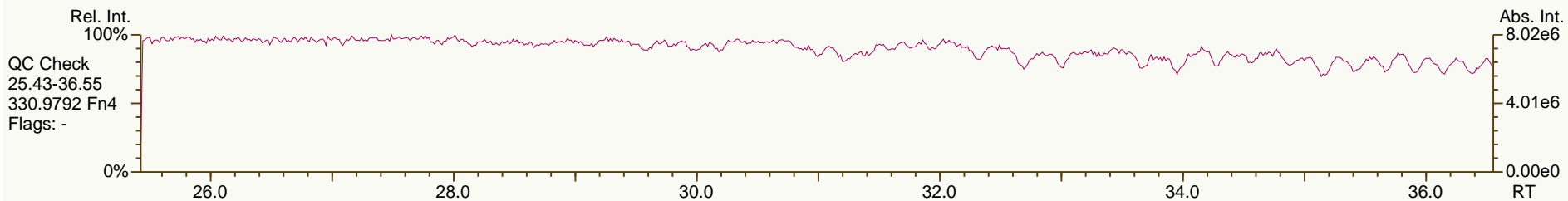
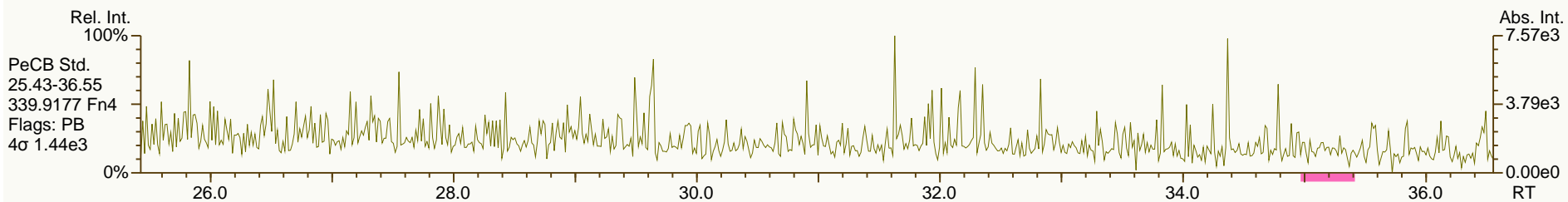
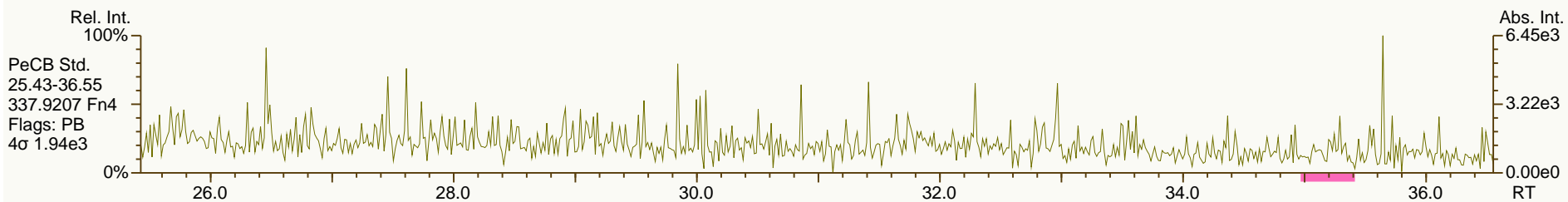
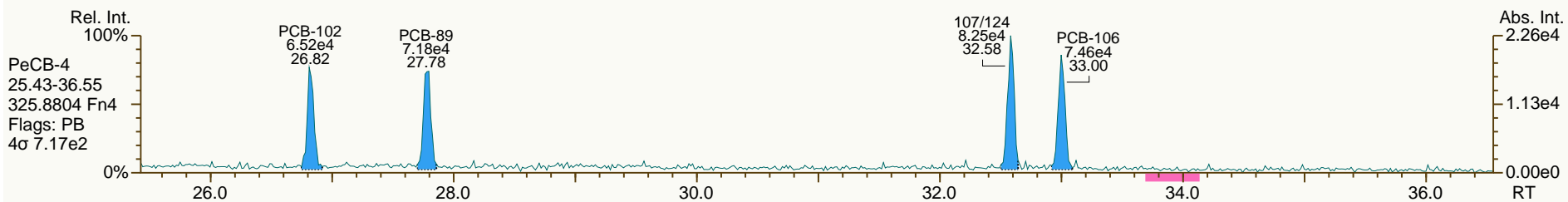
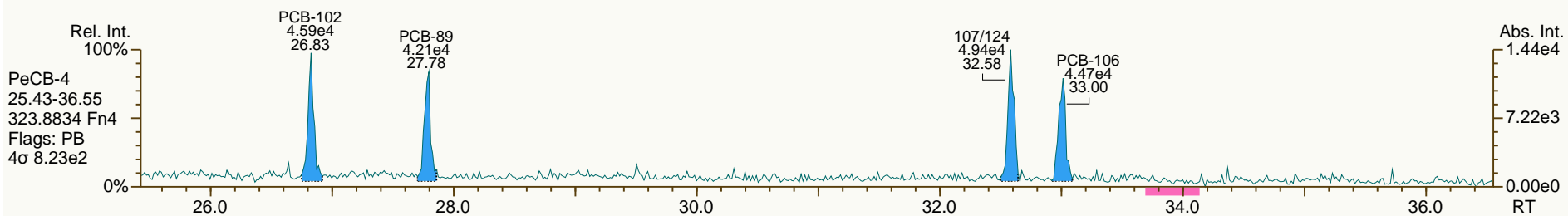
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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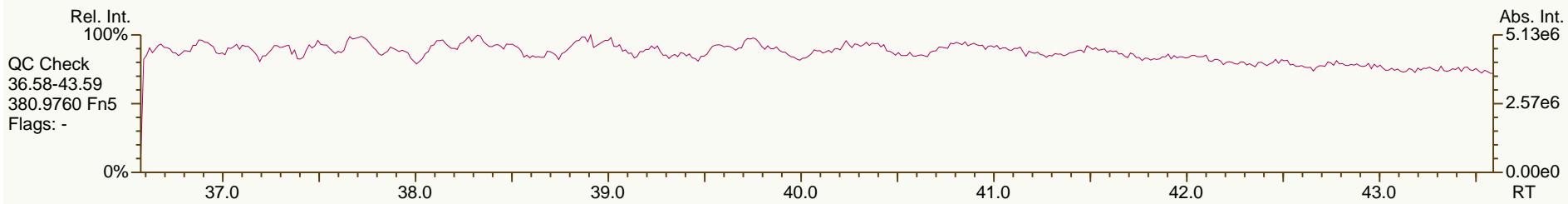
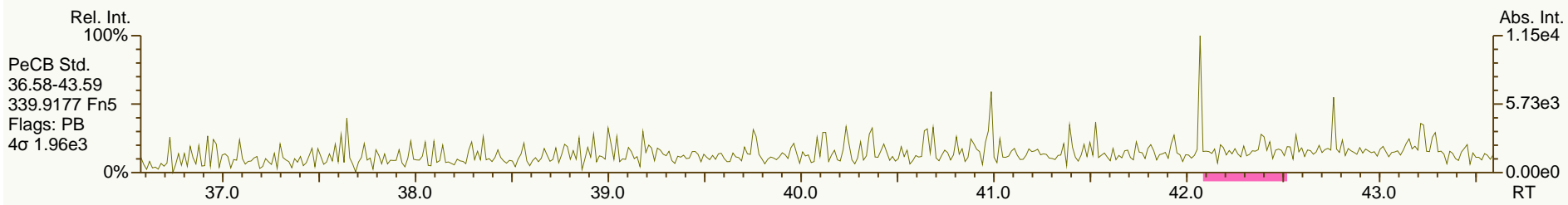
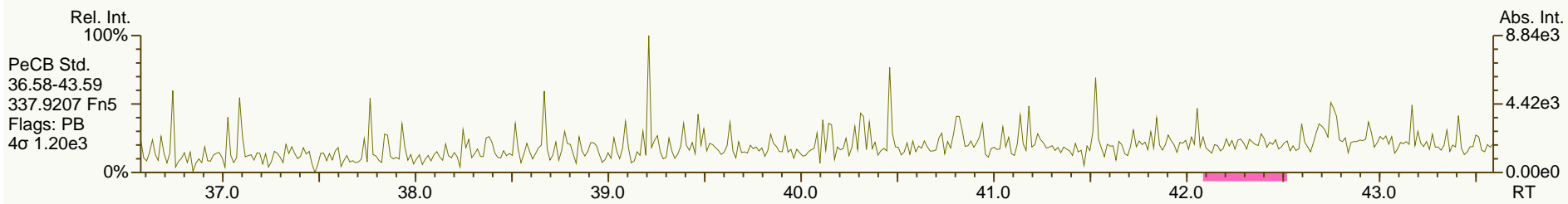
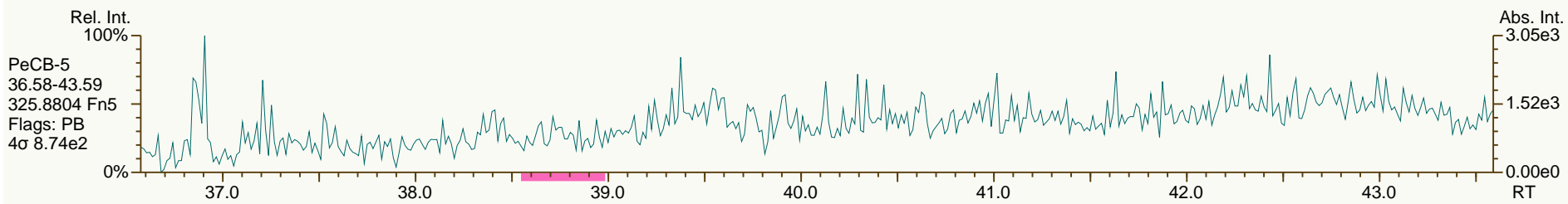
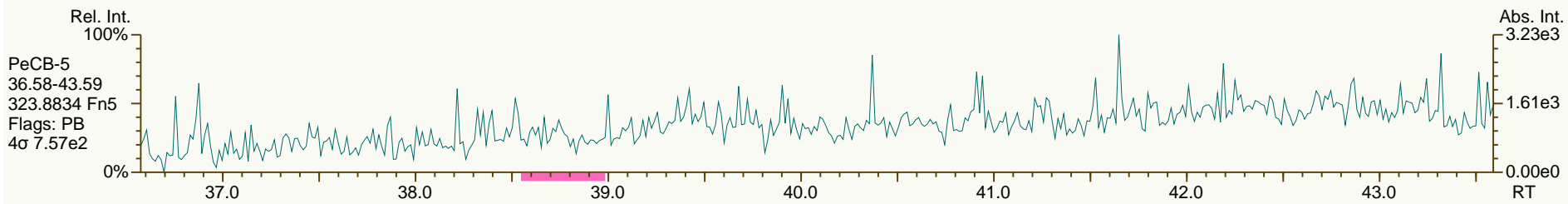
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AP Lab ID: SBS_120703_PCB_VA
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Sample ID: SIL 9-41-1
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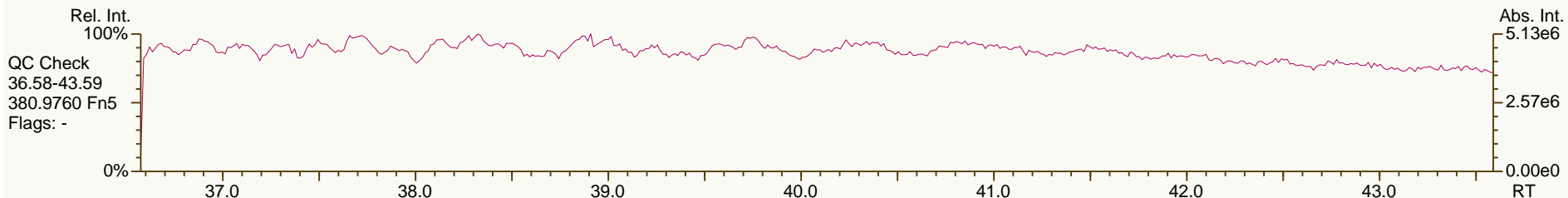
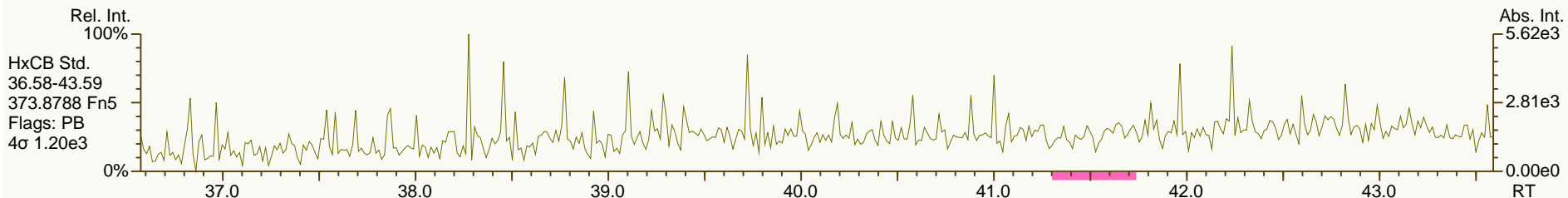
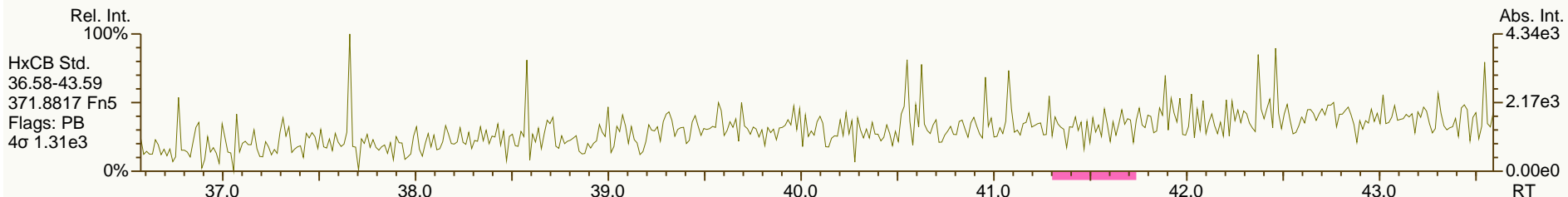
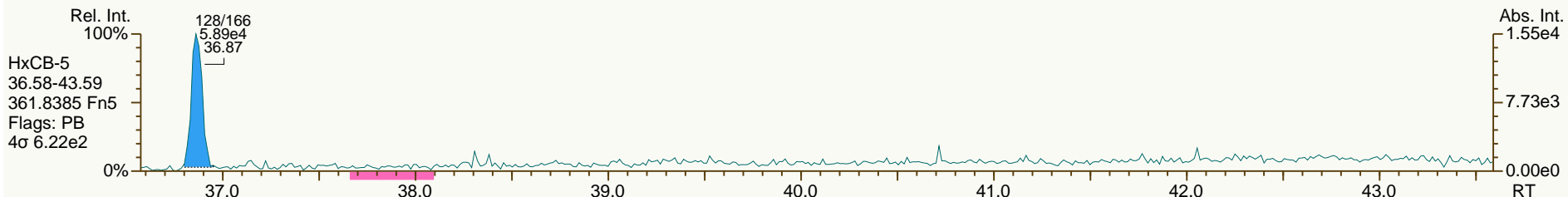
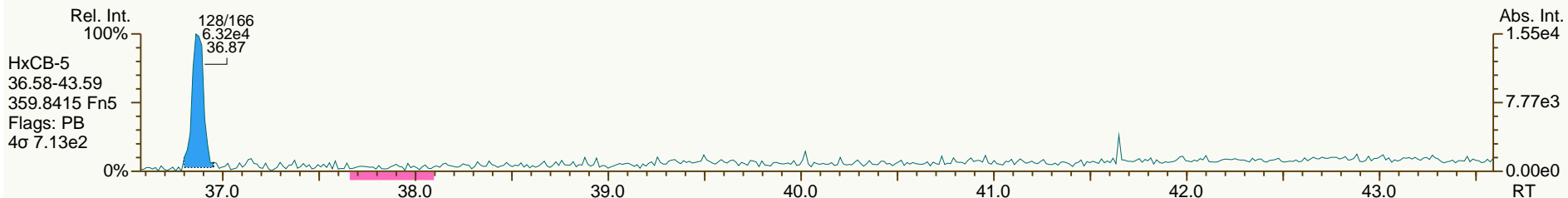
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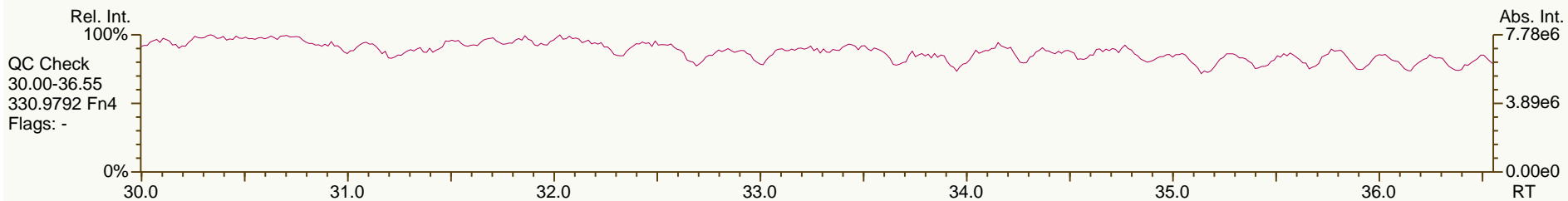
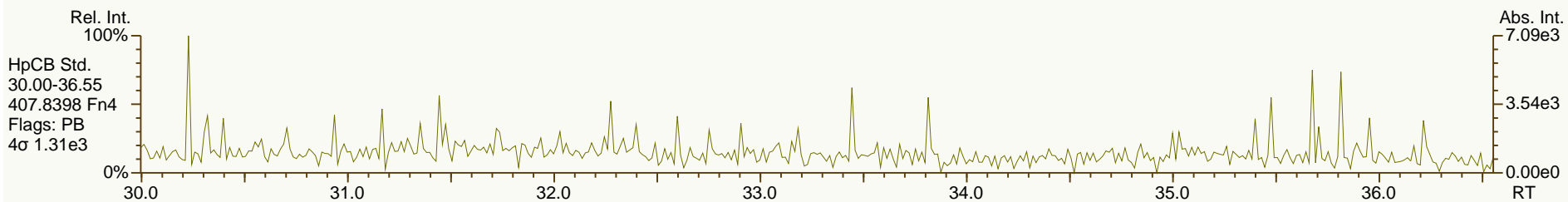
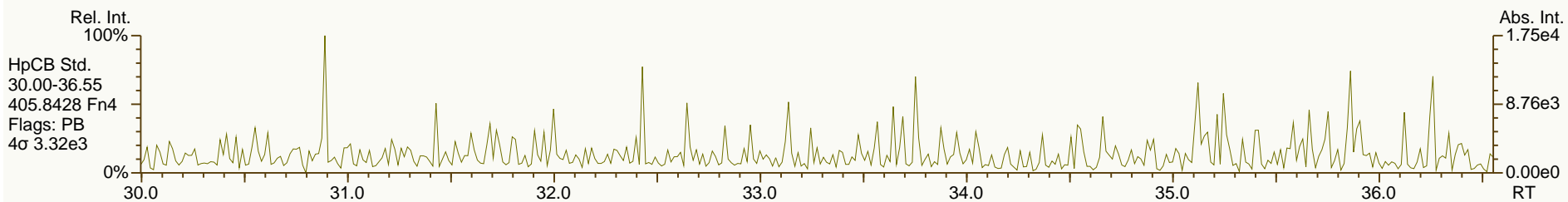
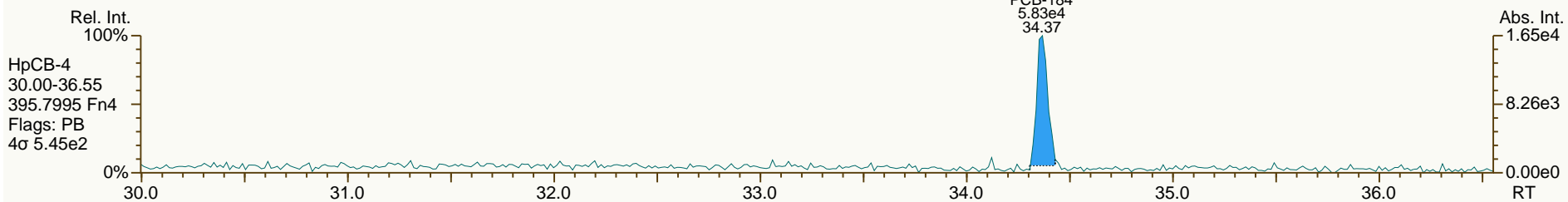
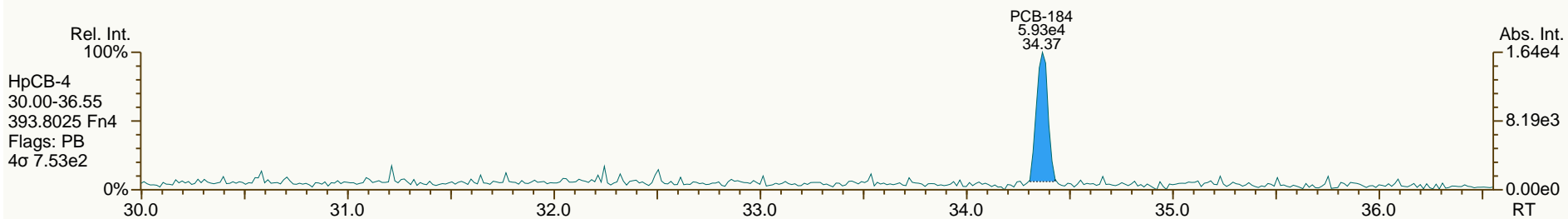
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

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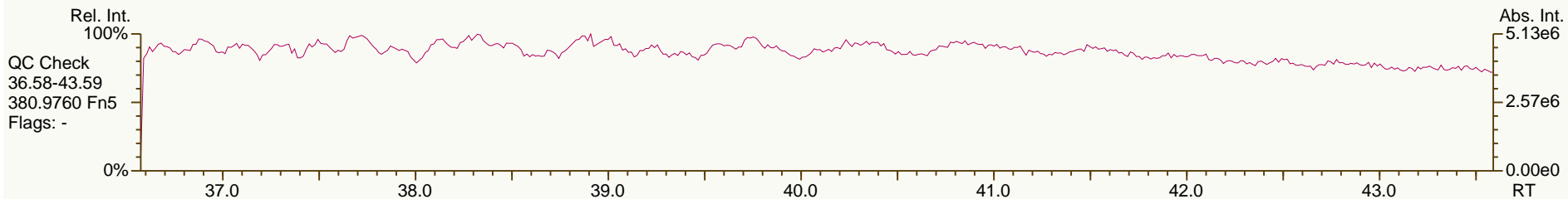
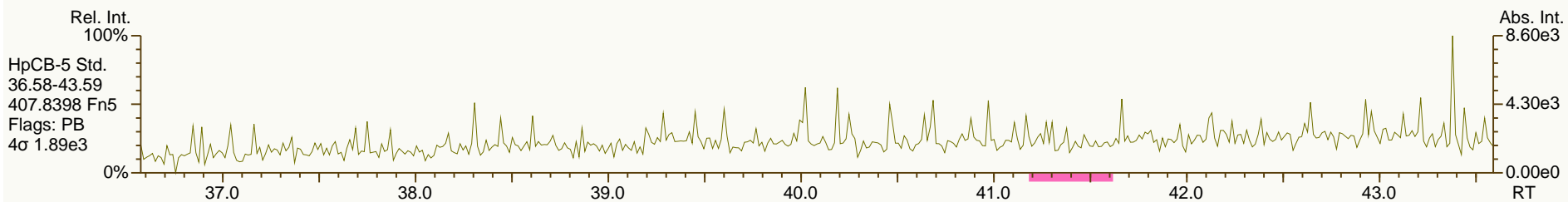
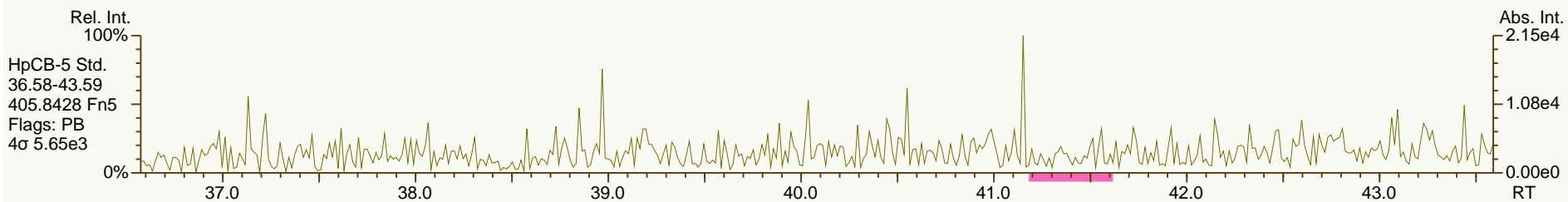
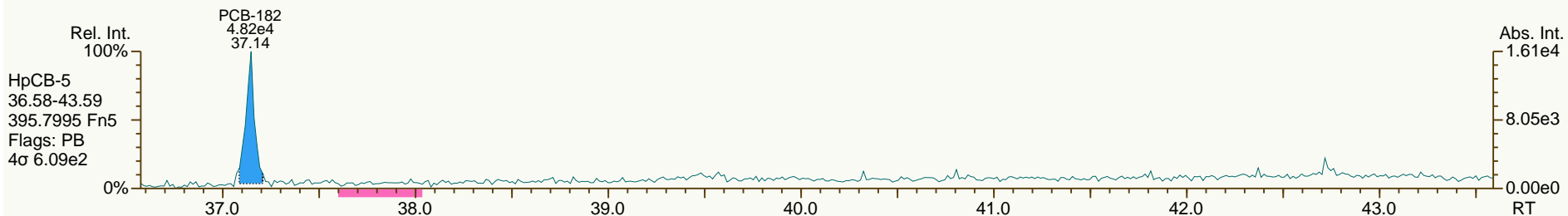
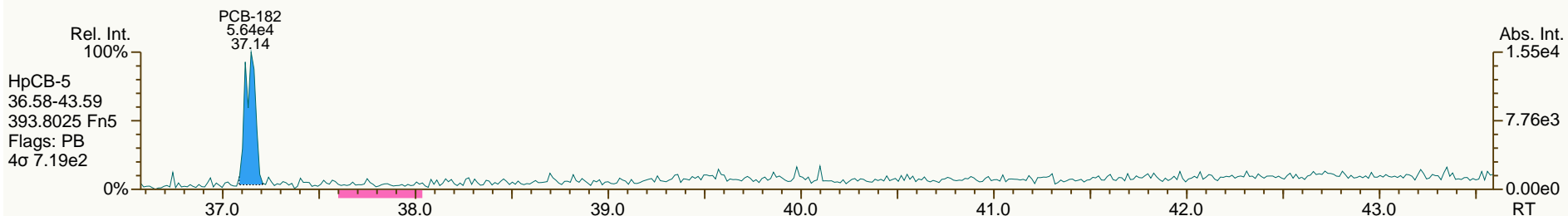
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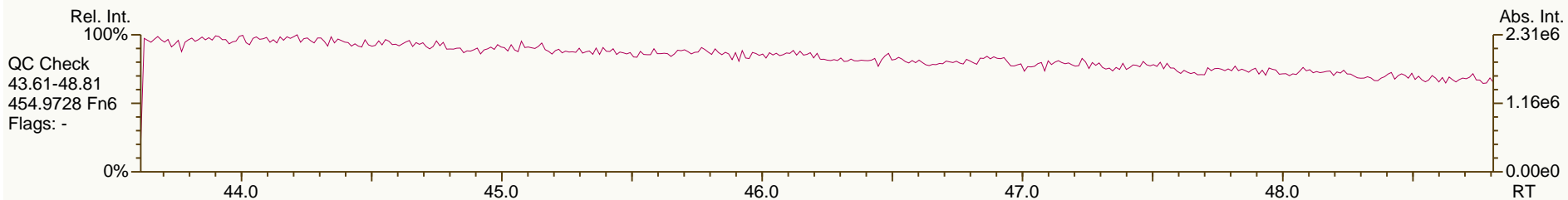
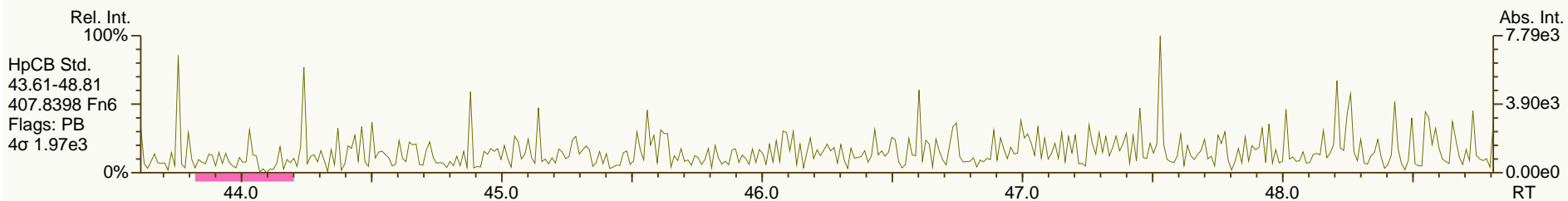
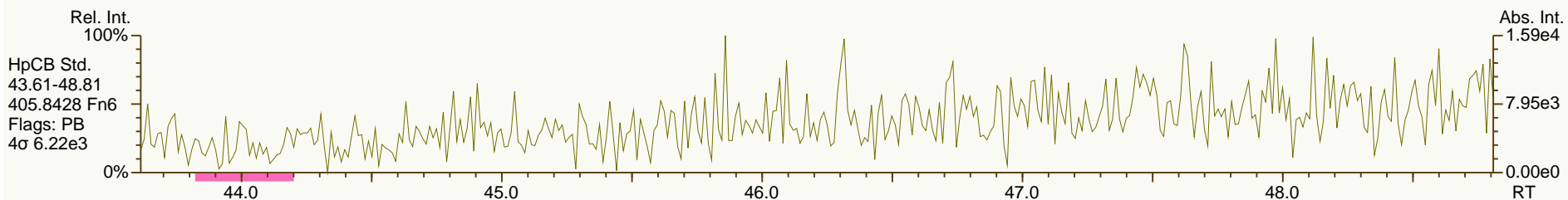
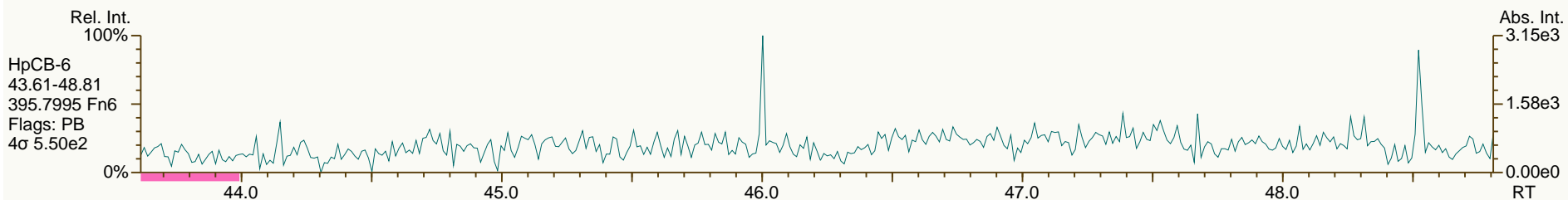
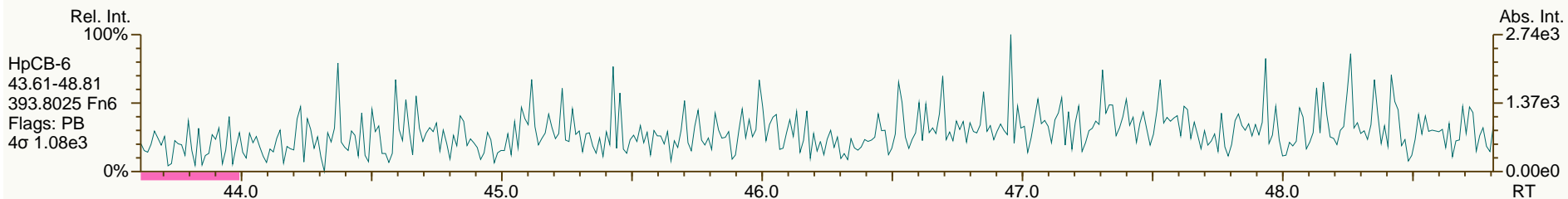
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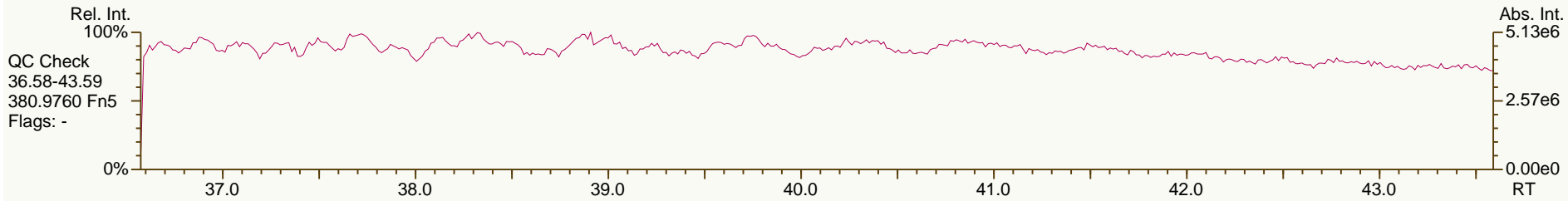
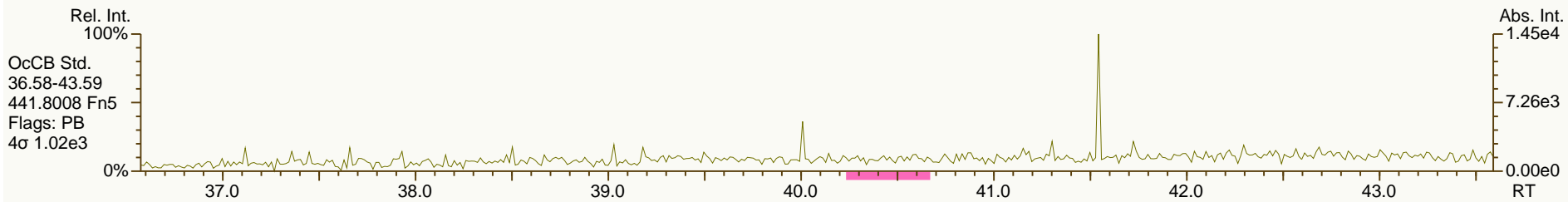
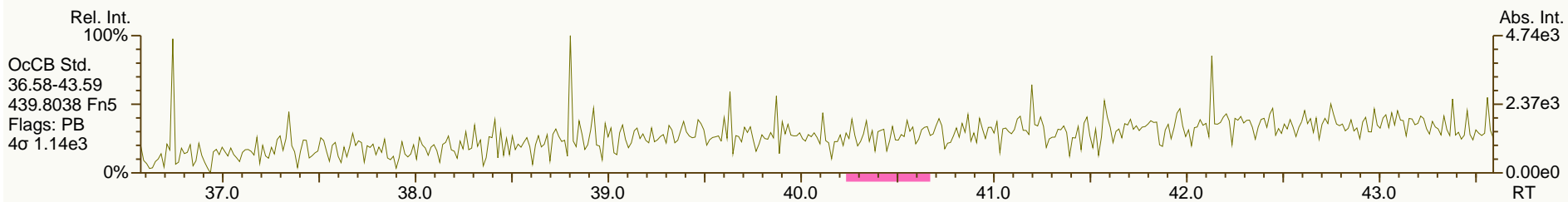
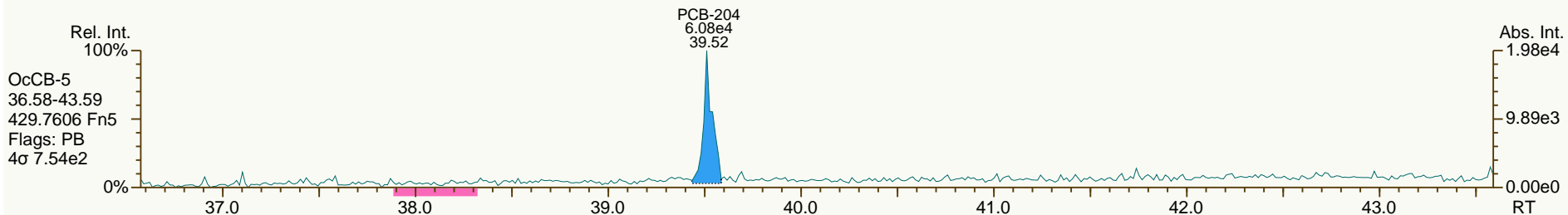
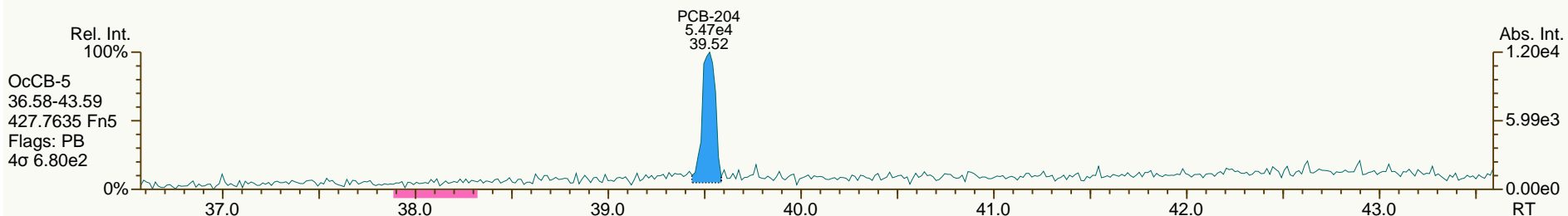
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Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

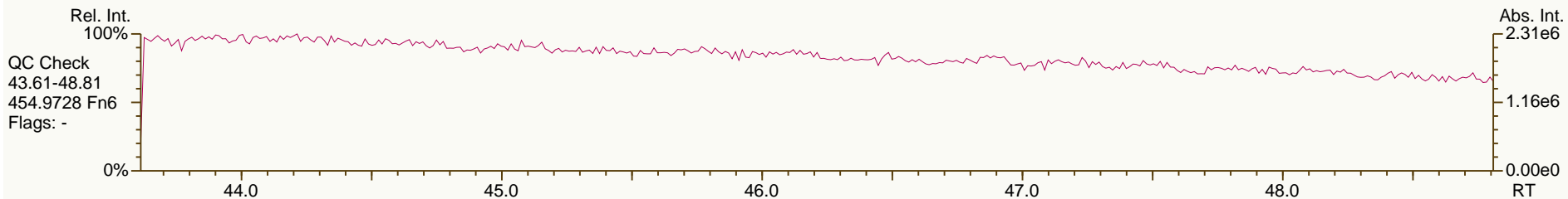
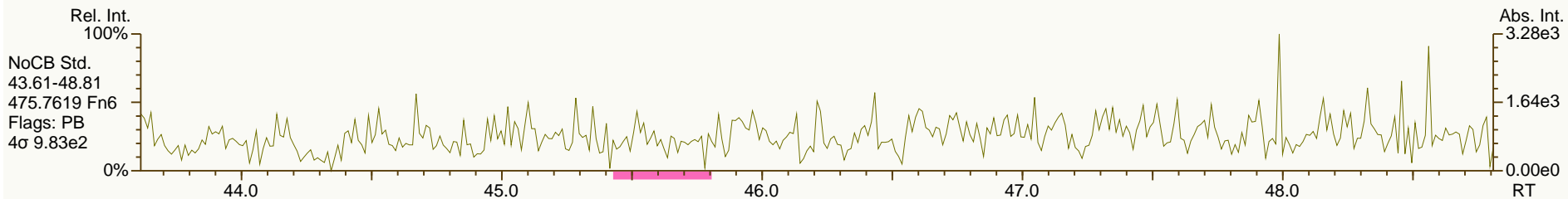
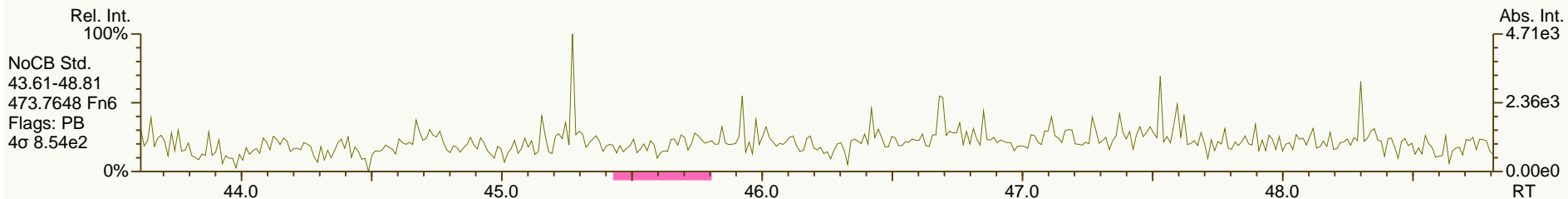
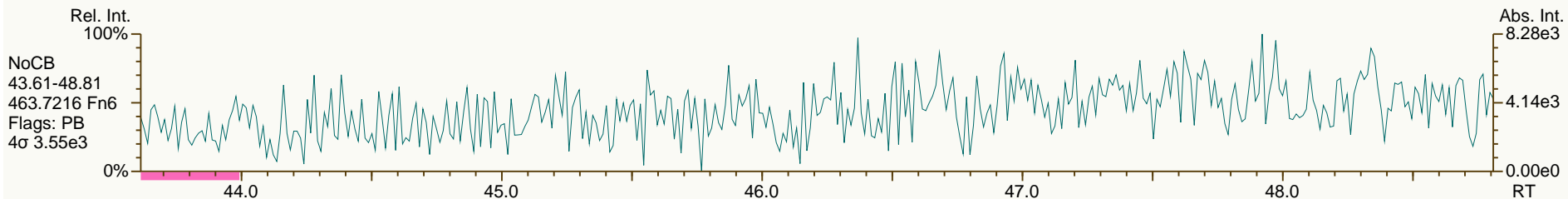
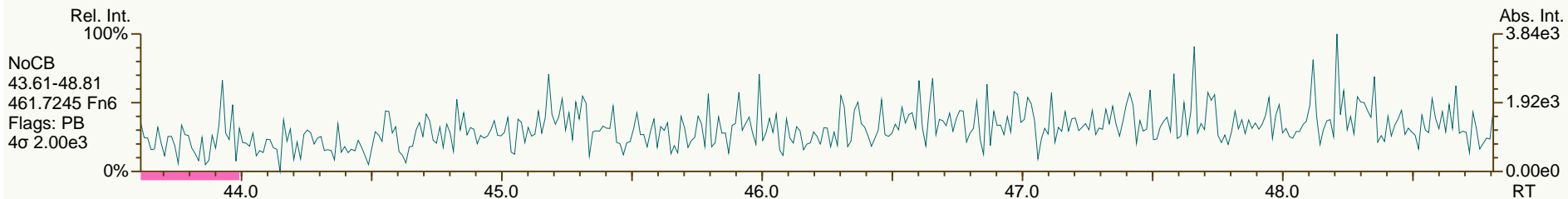
Acq: 03-Jul-2012 20:57:59
 User: CEM Datafile: 120703V19



AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

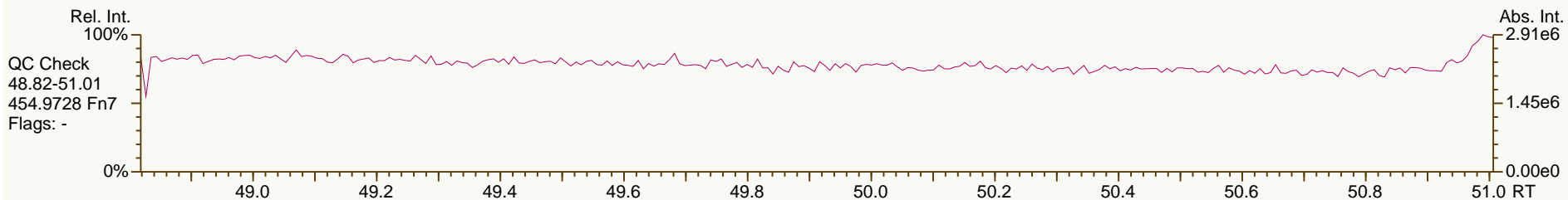
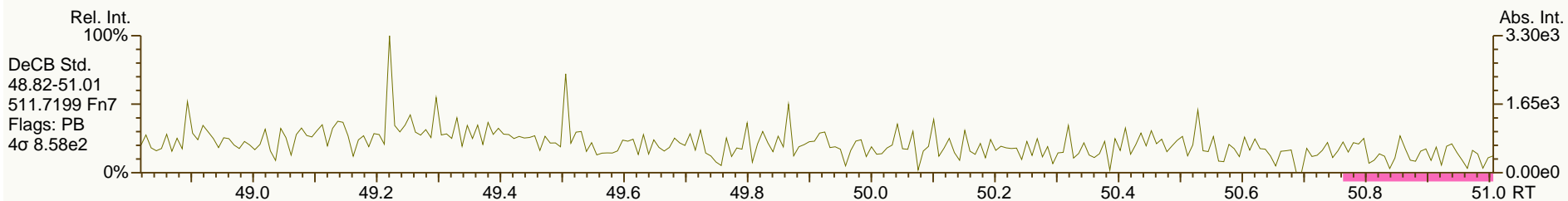
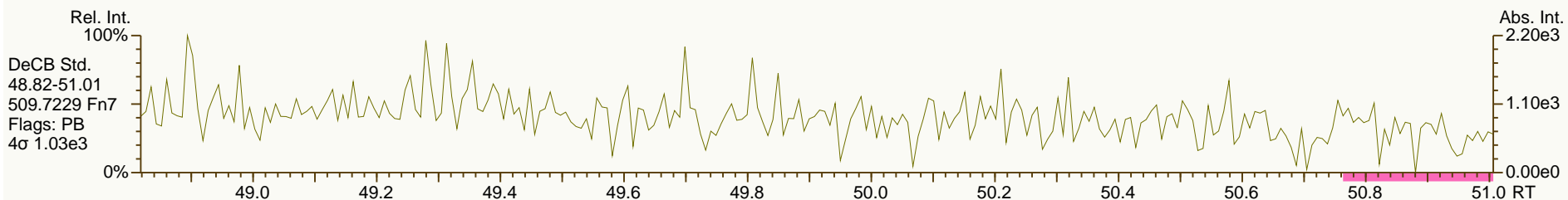
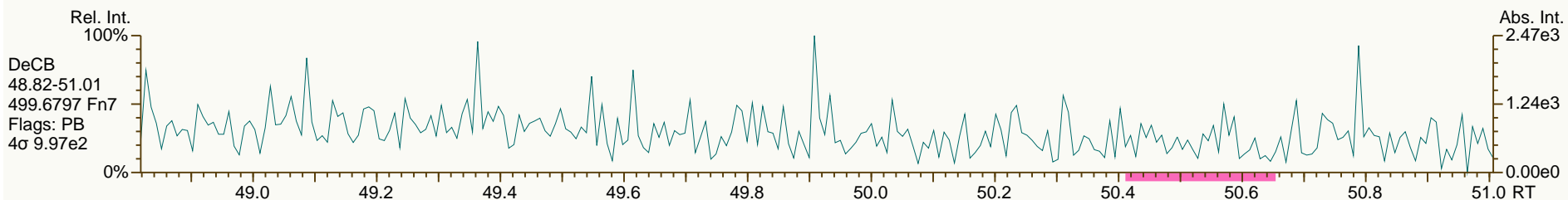
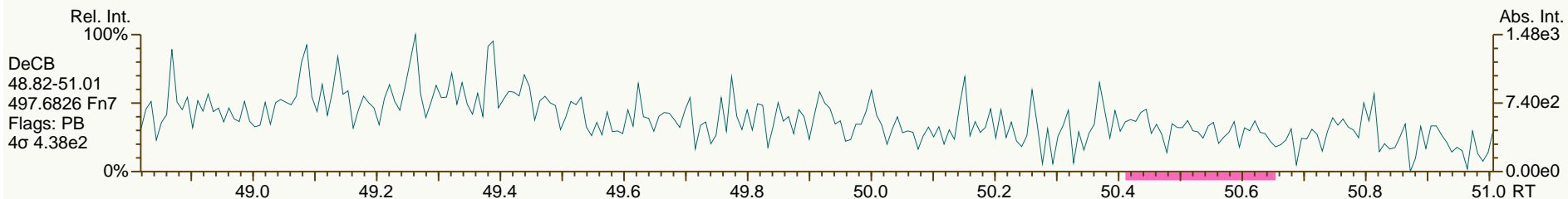
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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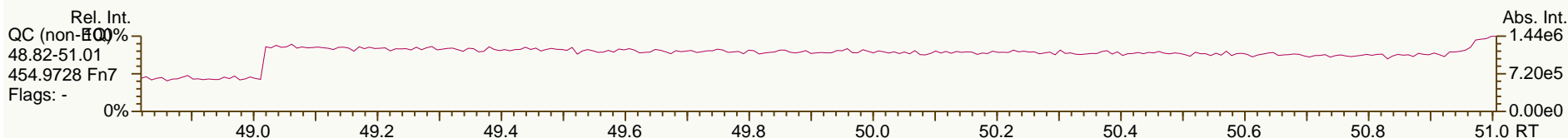
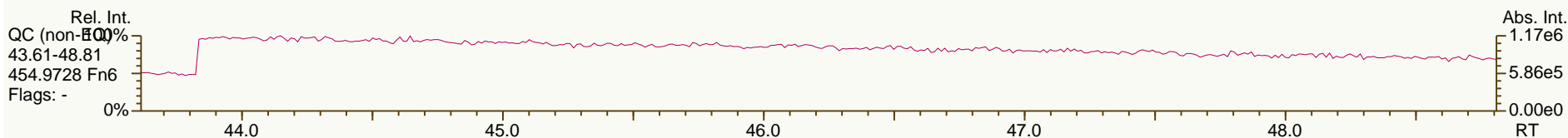
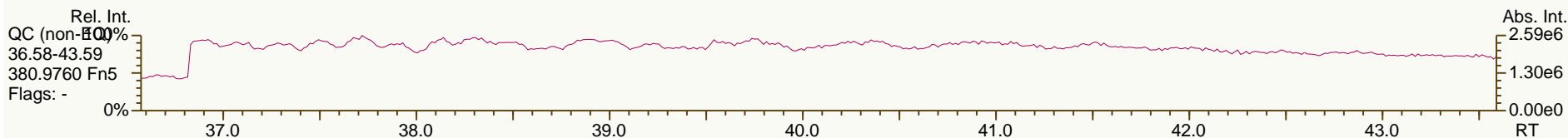
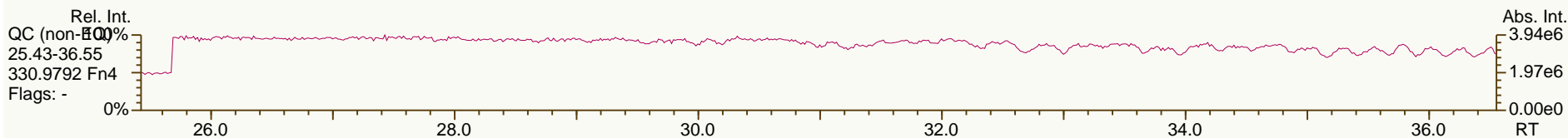
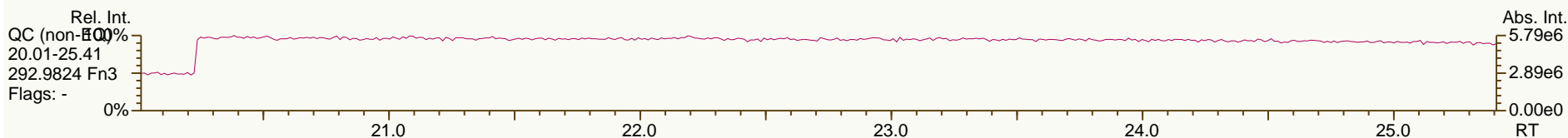
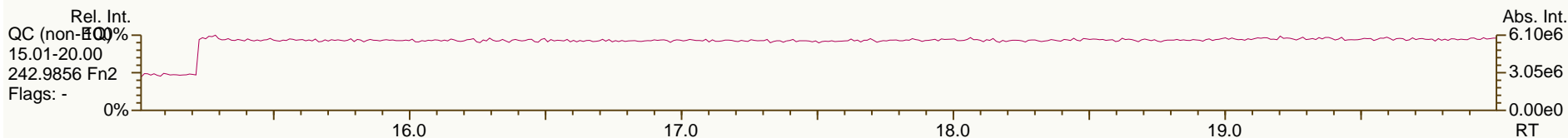
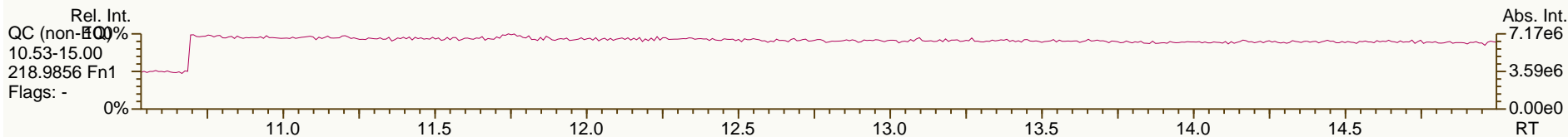
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AP Lab ID: SBS_120703_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

Acq: 03-Jul-2012 20:57:59
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Experiment Calibration Report

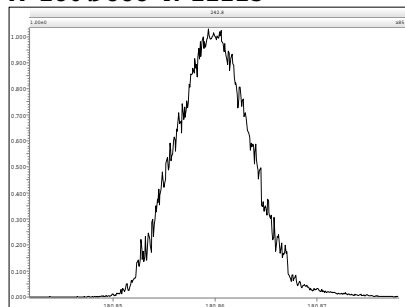
MassLynx 4.1

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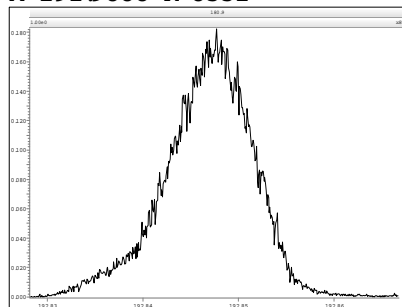
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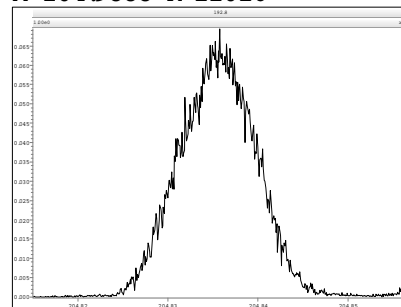
M 180.9888 R 11113



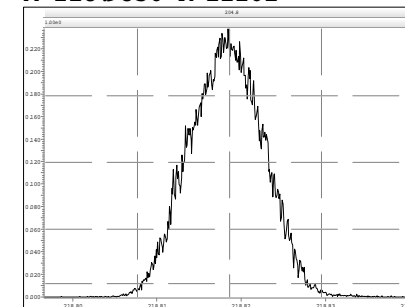
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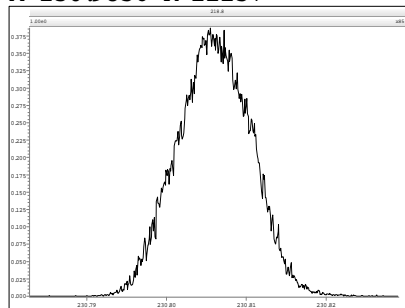
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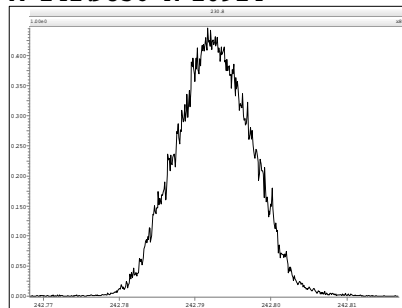
M 218.9856 R 11261



M 230.9856 R 11157



M 242.9856 R 10914



Experiment Calibration Report

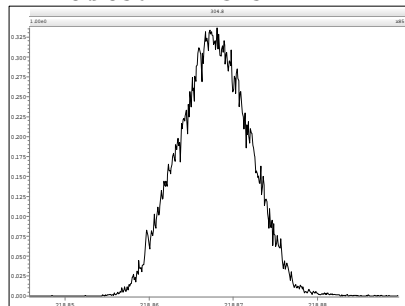
MassLynx 4.1

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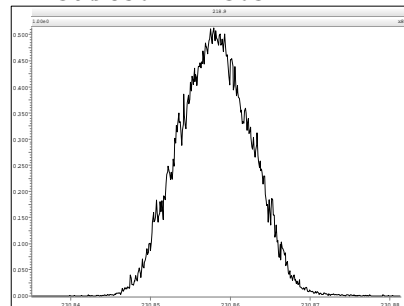
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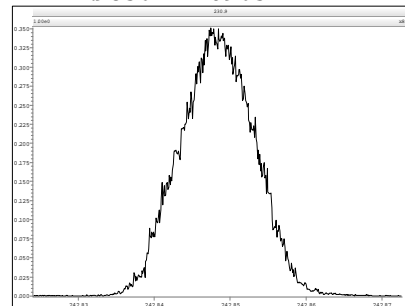
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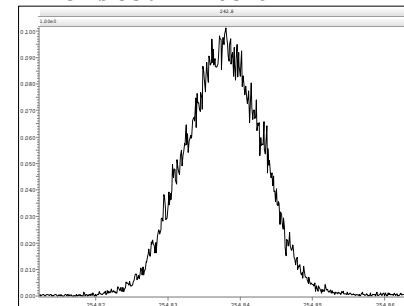
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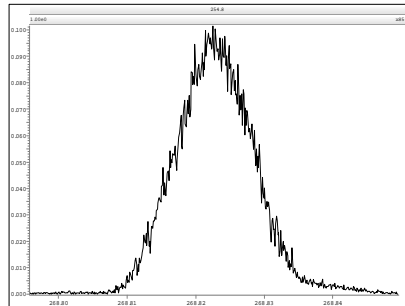
M 242.9856 R 10965



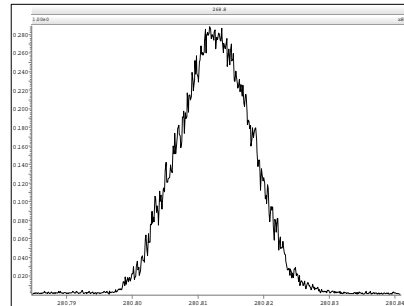
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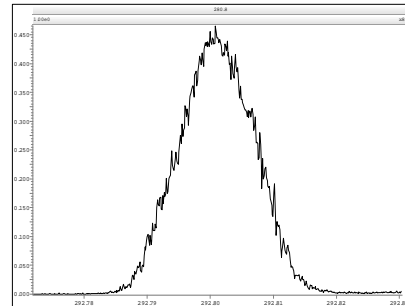
M 268.9824 R 10728



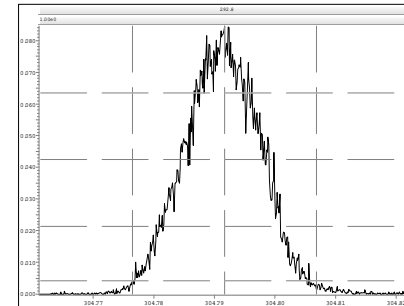
M 280.9824 R 10731



M 292.9824 R 10729



M 304.9824 R 10686



Experiment Calibration Report

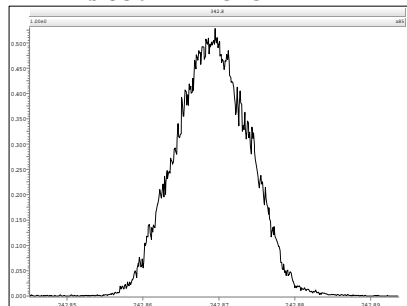
MassLynx 4.1

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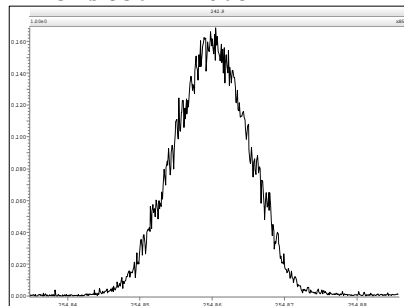
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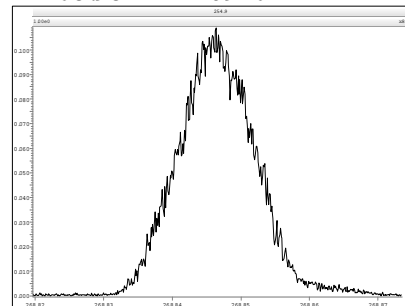
M 242.9856 R 11313



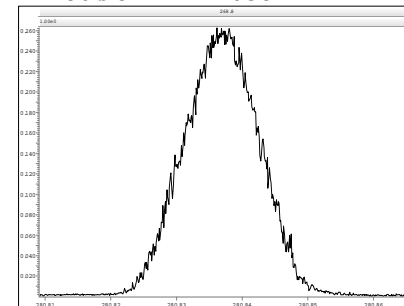
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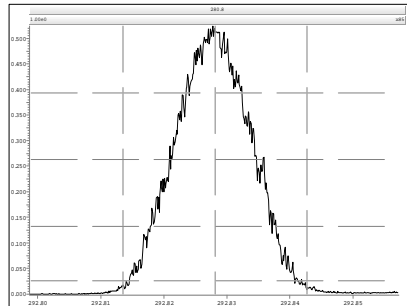
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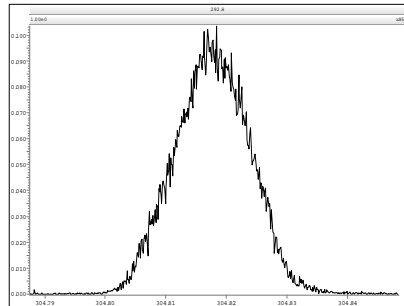
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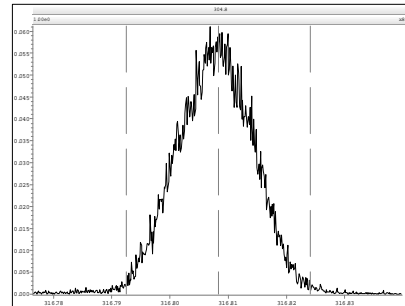
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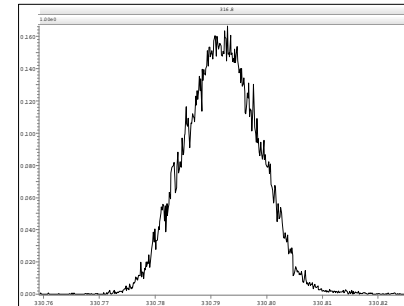
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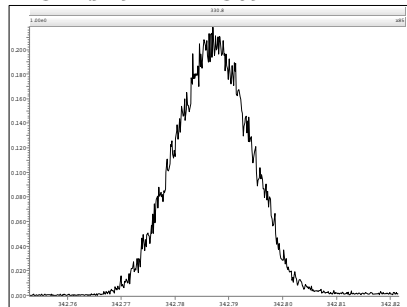
M 316.9824 R 11009



M 330.9792 R 10729



M 342.9792 R 11309



Experiment Calibration Report

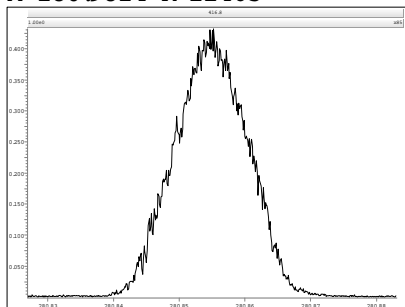
MassLynx 4.1

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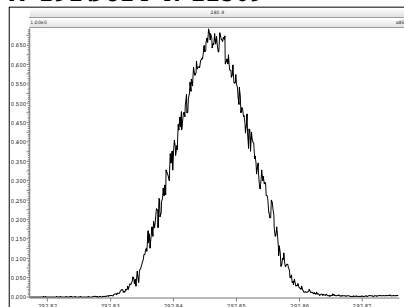
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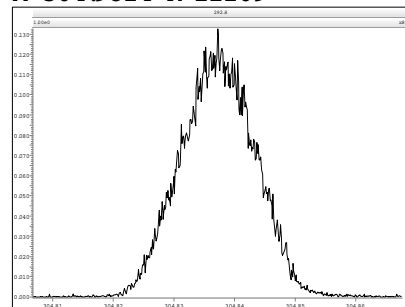
M 280.9824 R 11465



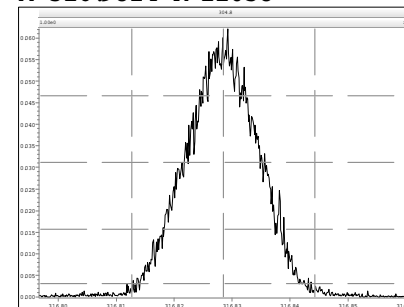
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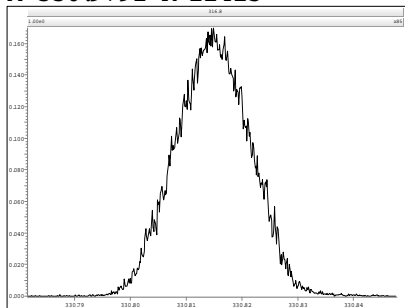
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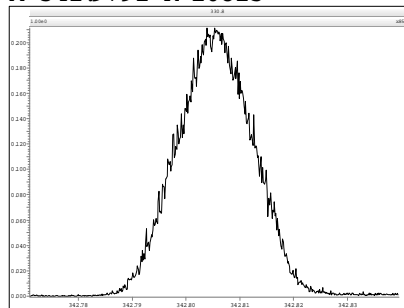
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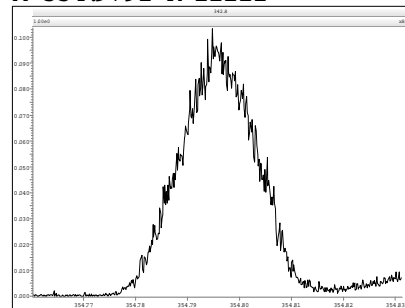
M 330.9792 R 11415



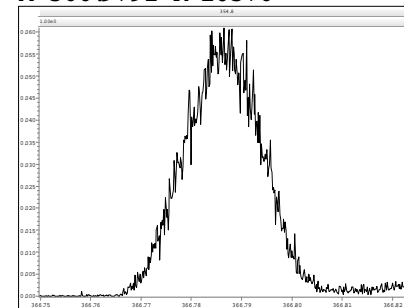
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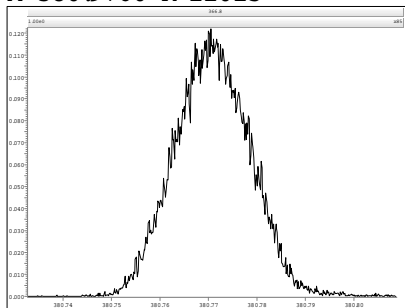
M 354.9792 R 11112



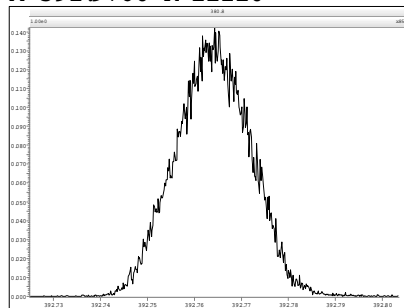
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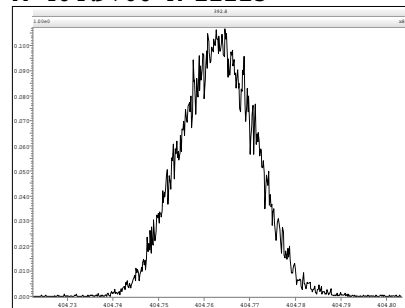
M 380.9760 R 11015



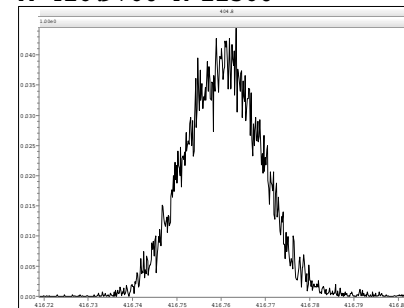
M 392.9760 R 11210



M 404.9760 R 11213



M 416.9760 R 11360



Experiment Calibration Report

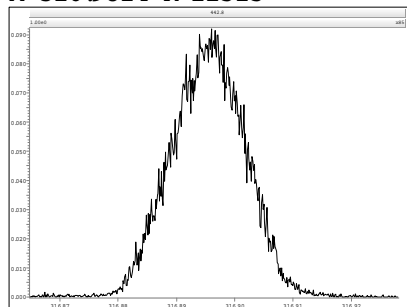
MassLynx 4.1

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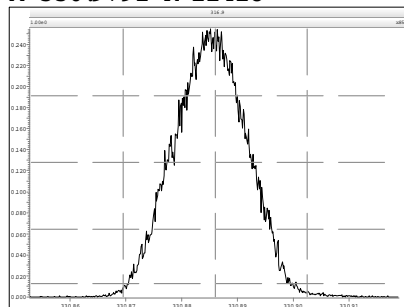
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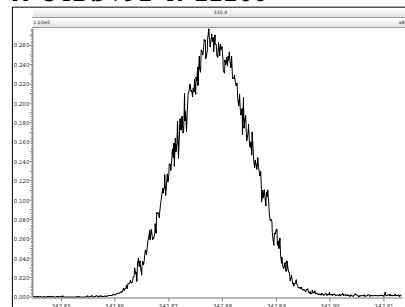
M 316.9824 R 11525



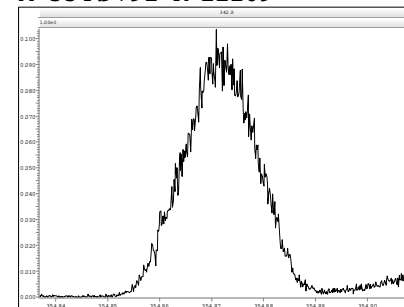
M 330.9792 R 11418



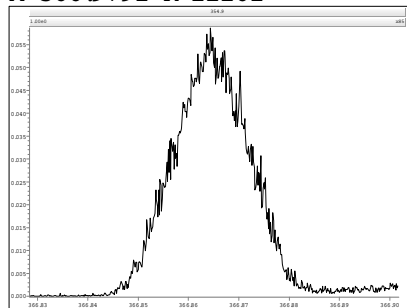
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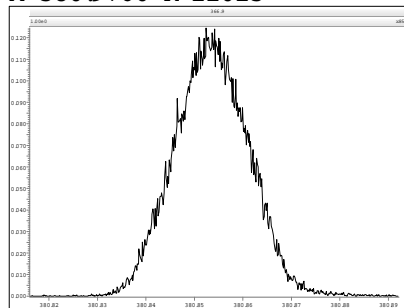
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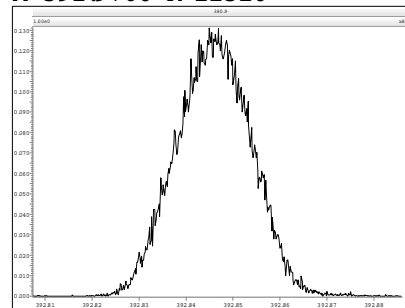
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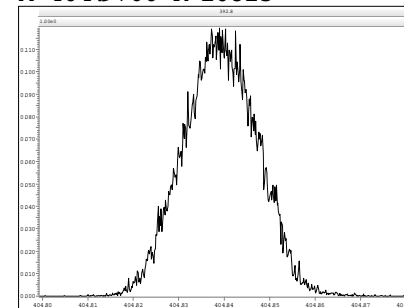
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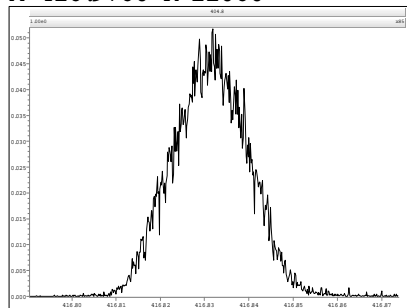
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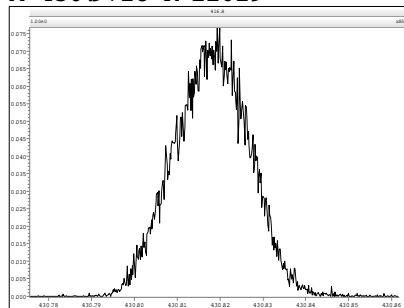
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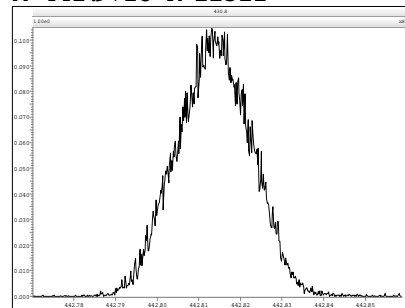
M 416.9760 R 11060



M 430.9728 R 11629



M 442.9728 R 11312



Experiment Calibration Report

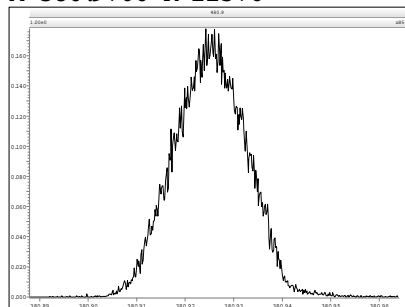
MassLynx 4.1

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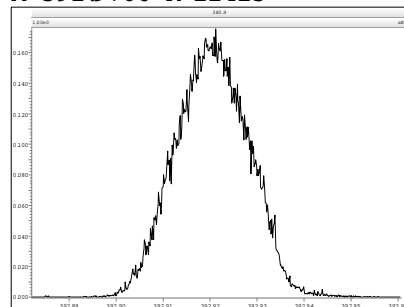
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Printed: Tuesday, July 03, 2012 19:10:40 Eastern Daylight Time

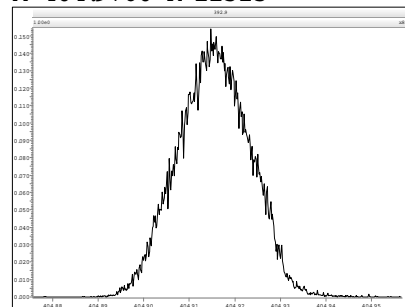
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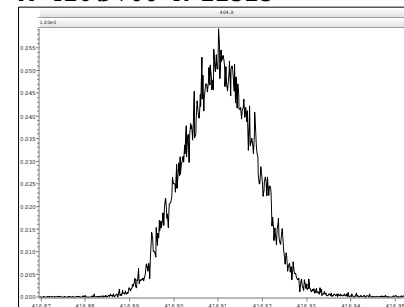
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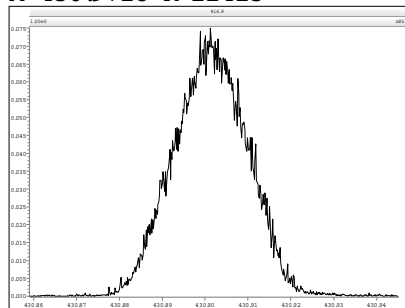
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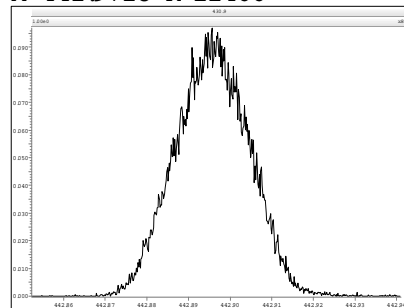
M 416.9760 R 11313



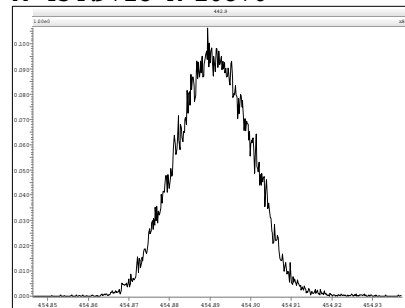
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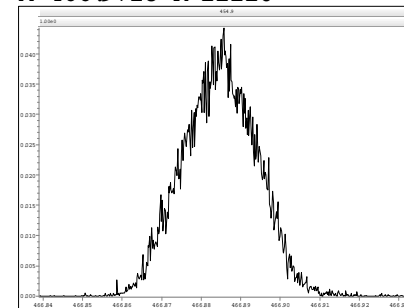
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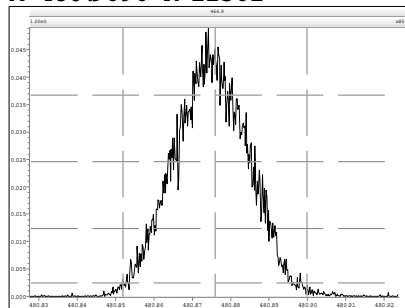
M 454.9728 R 10870



M 466.9728 R 11110



M 480.9696 R 11361



Experiment Calibration Report

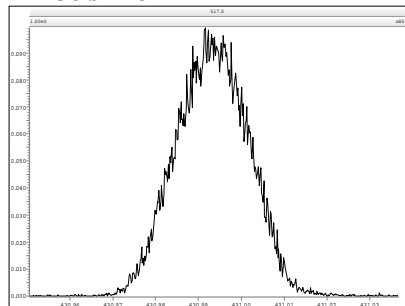
MassLynx 4.1

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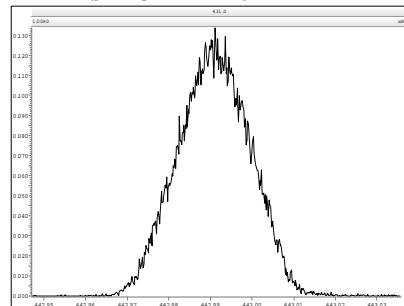
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Printed: Tuesday, July 03, 2012 19:11:10 Eastern Daylight Time

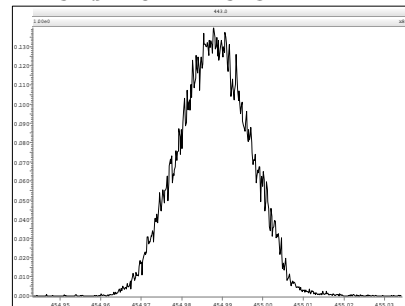
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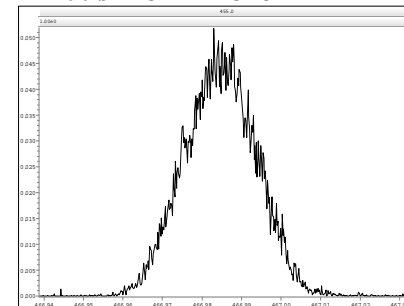
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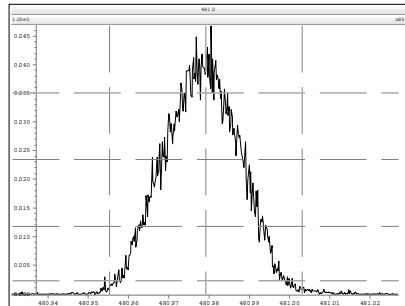
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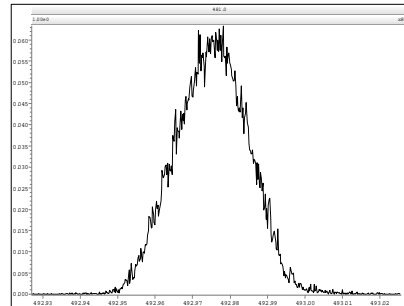
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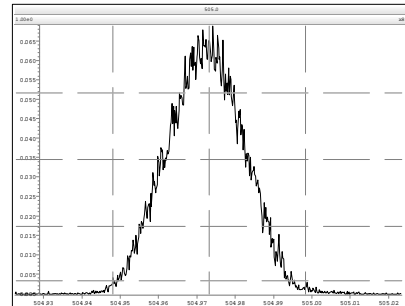
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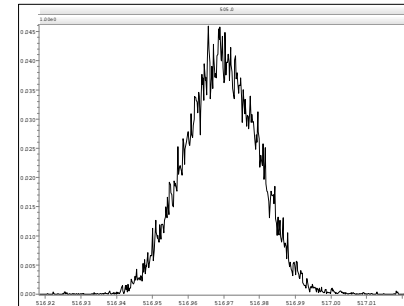
M 492.9696 R 11627



M 504.9696 R 11212



M 516.9697 R 10869



Resolution Check Report

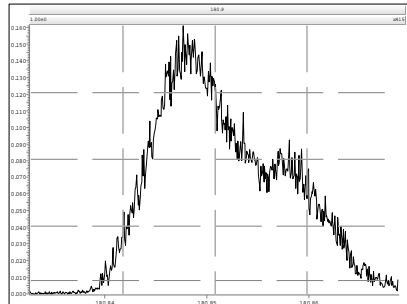
MassLynx 4.1

ending mass calibration profile. Page 1 of 6

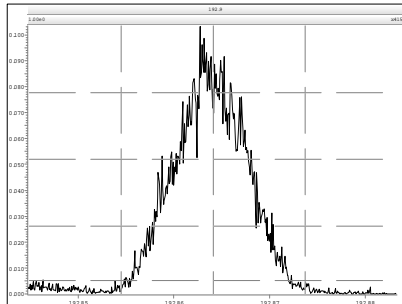
Printed: Wednesday, July 04, 2012 07:08:48 Eastern Daylight Time

TV_9_Jul_2012

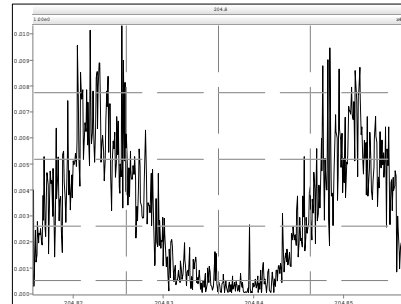
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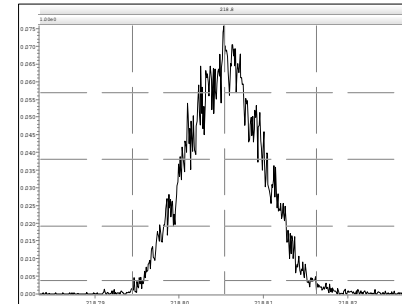
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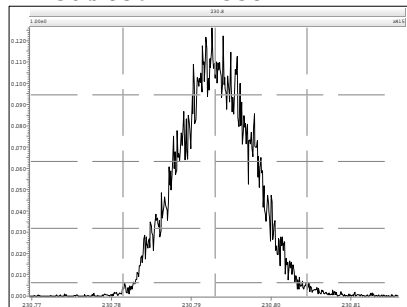
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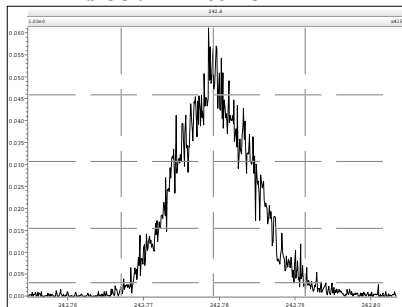
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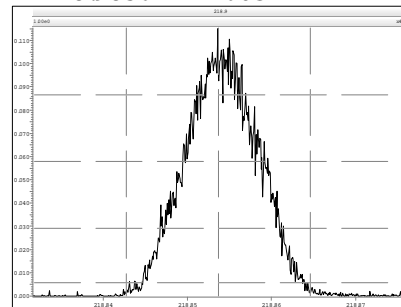
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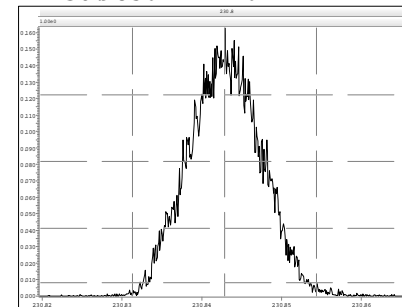
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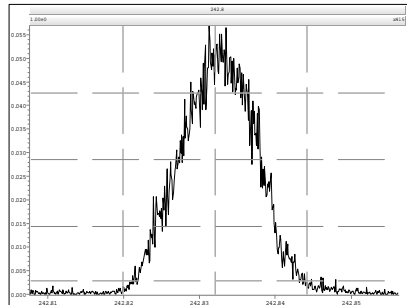
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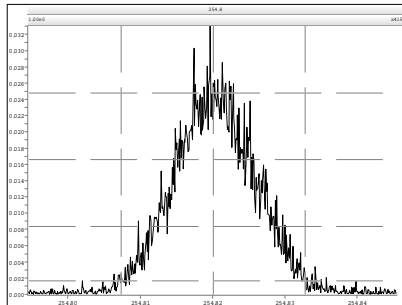
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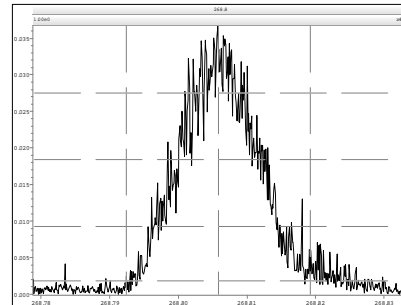
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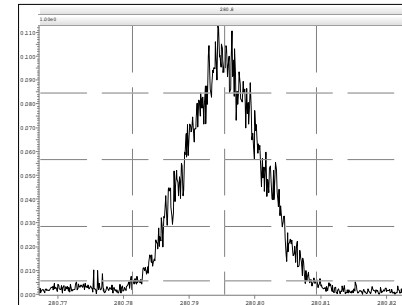
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M 268.9824 R 10486

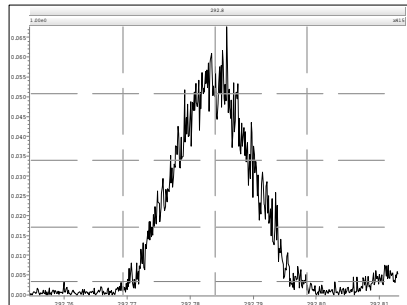


M 280.9824 R 11363

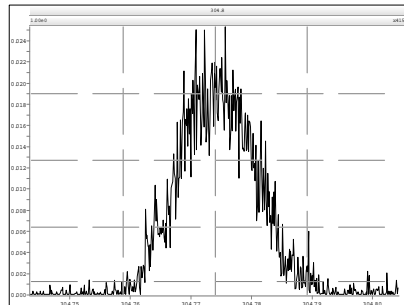


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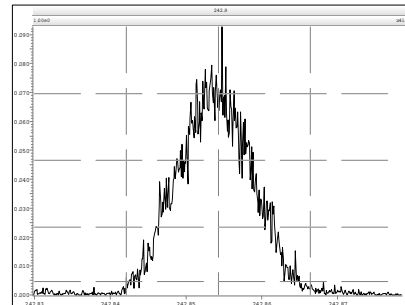
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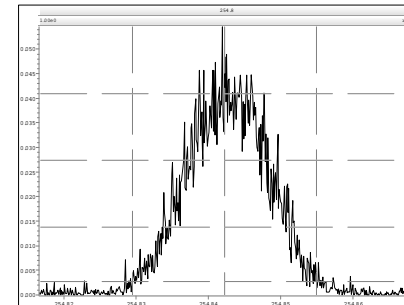
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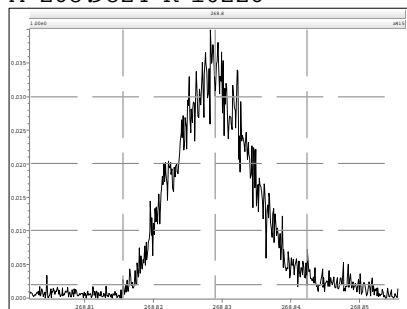
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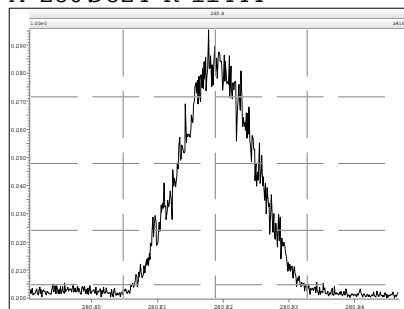
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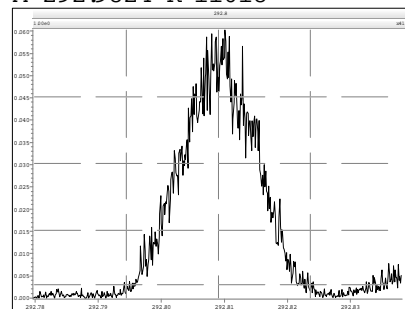
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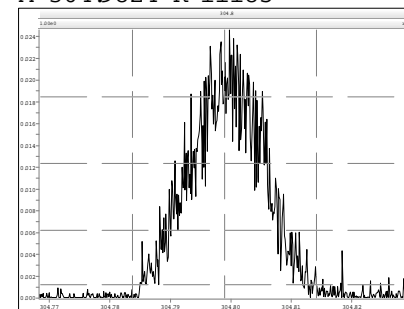
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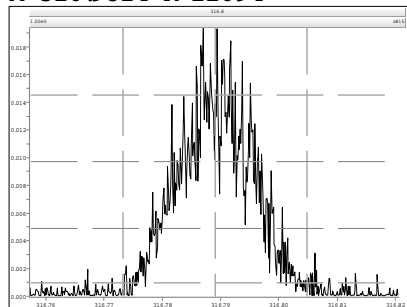
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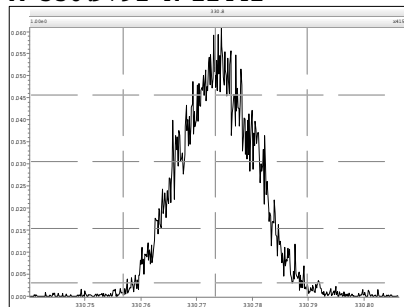
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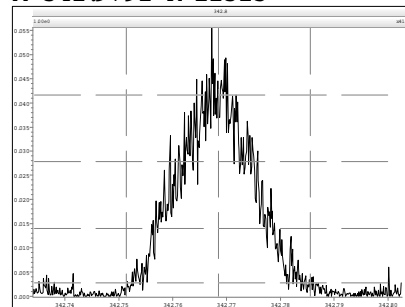
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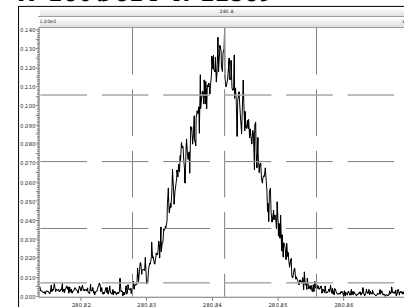
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M 342.9792 R 12325



M 280.9824 R 11389



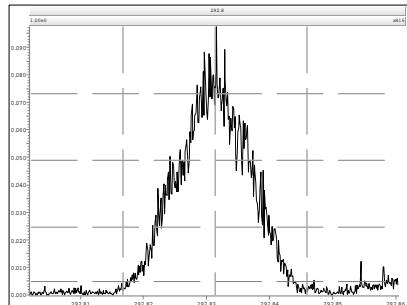
Resolution Check Report

MassLynx 4.1

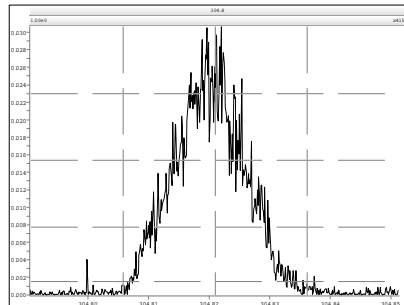
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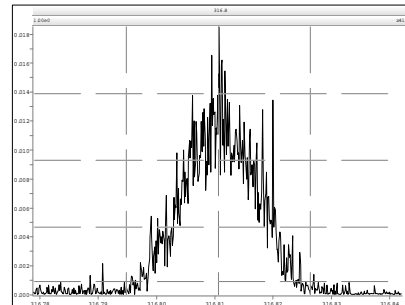
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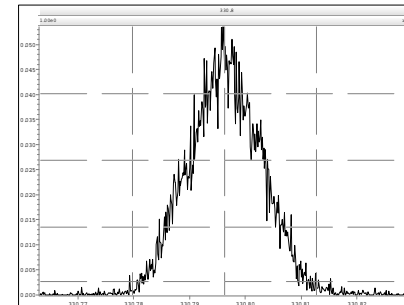
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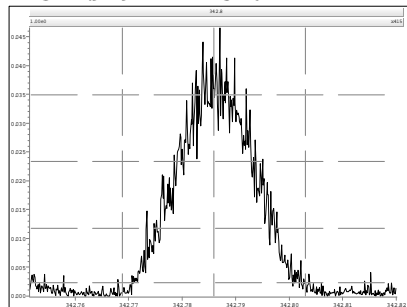
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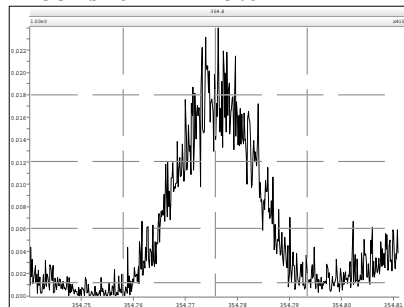
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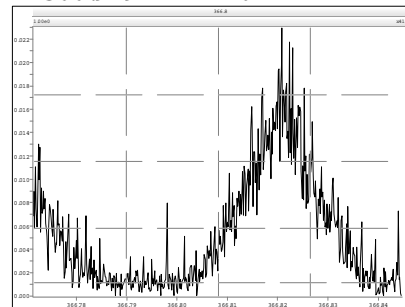
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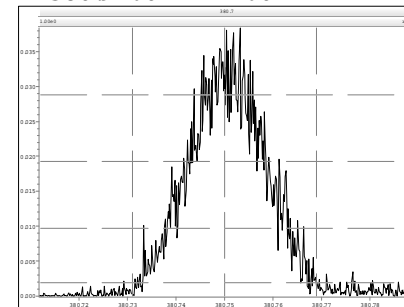
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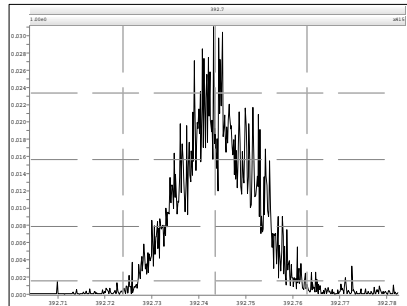
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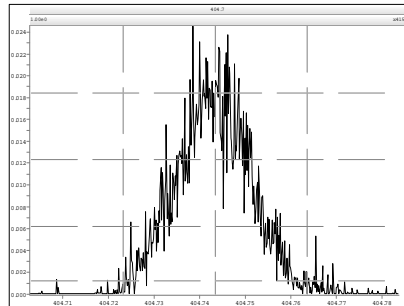
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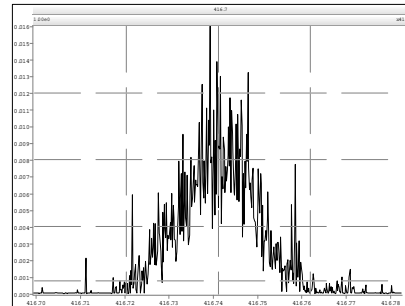
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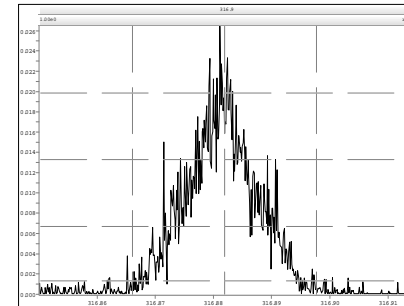
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M 416.9760 R 14029

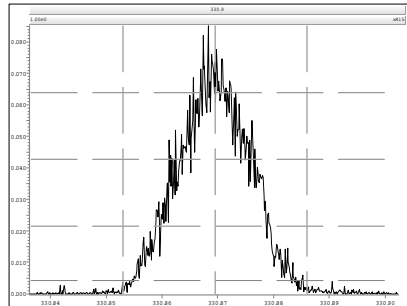


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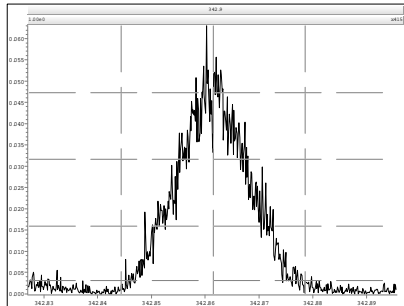


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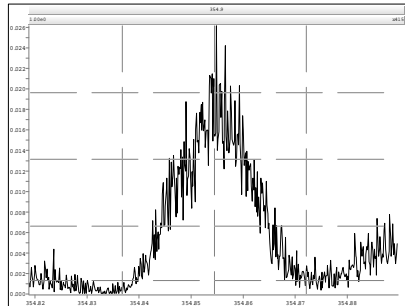
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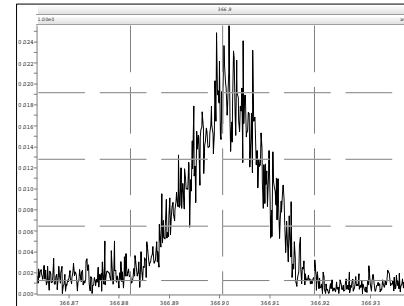
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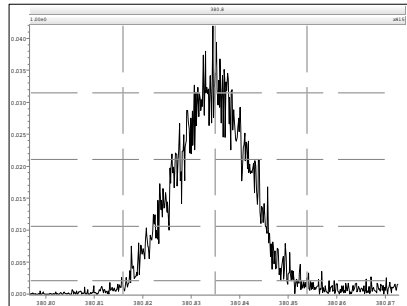
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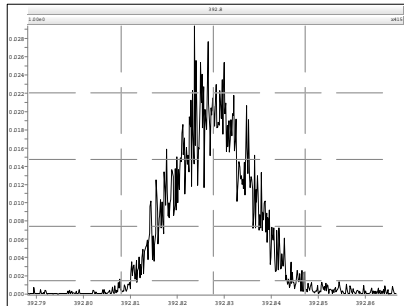
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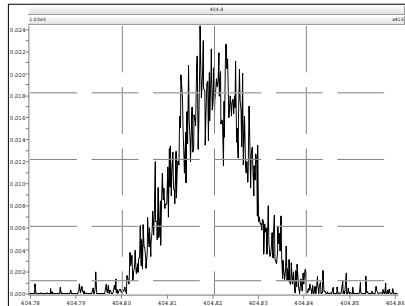
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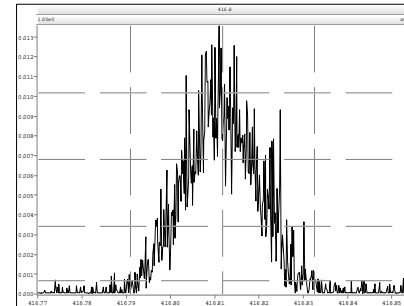
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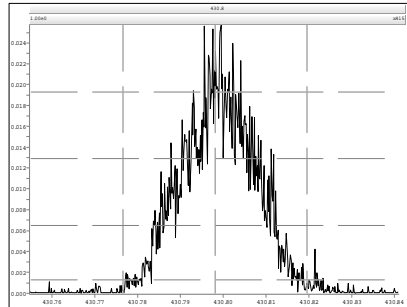
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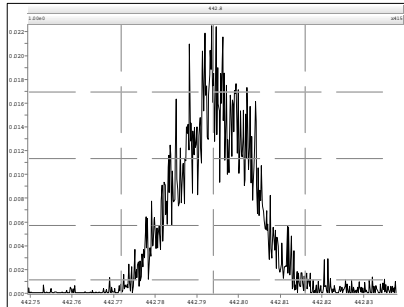
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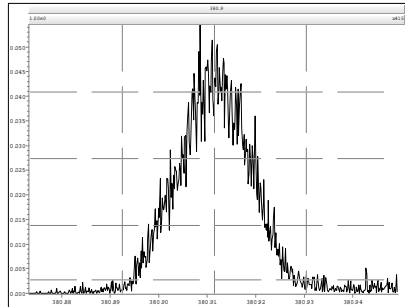
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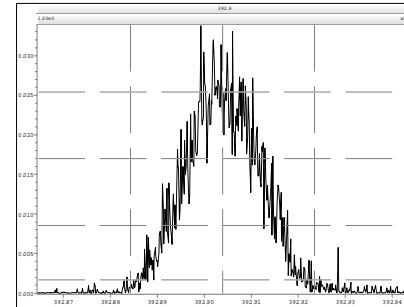
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M 380.9760 R 11688



M 392.9760 R 11876



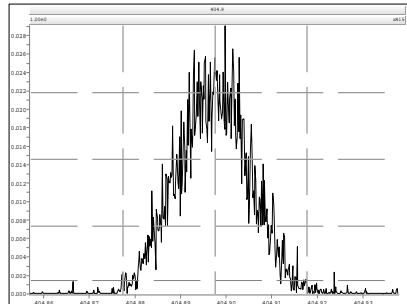
Resolution Check Report

MassLynx 4.1

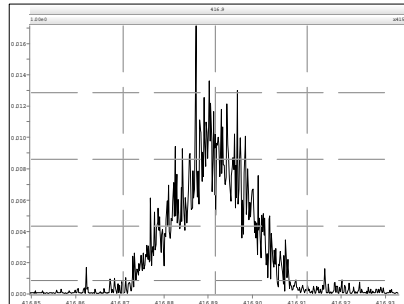
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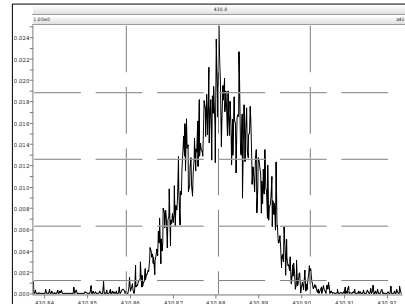
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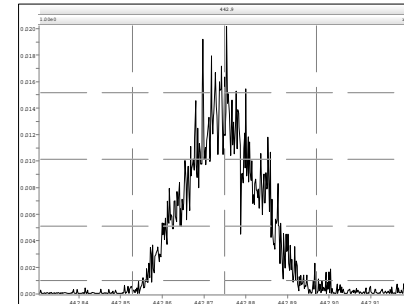
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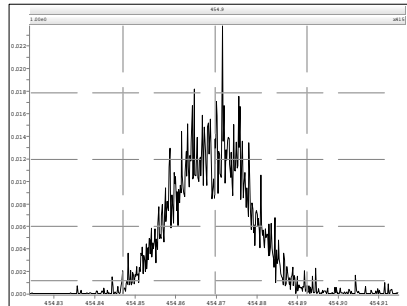
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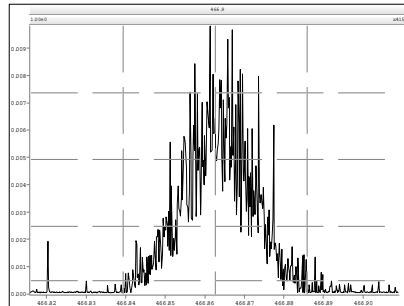
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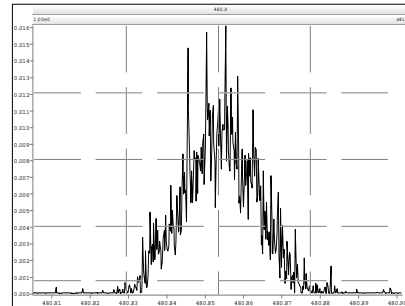
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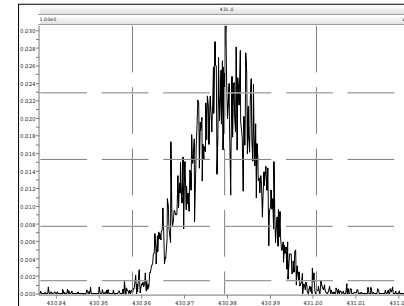
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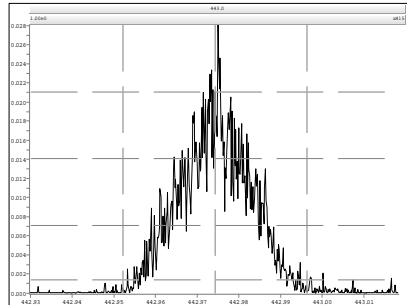
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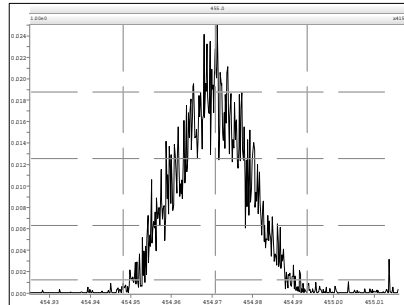
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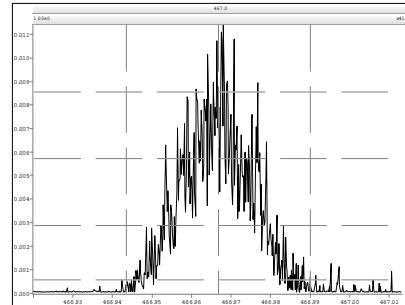
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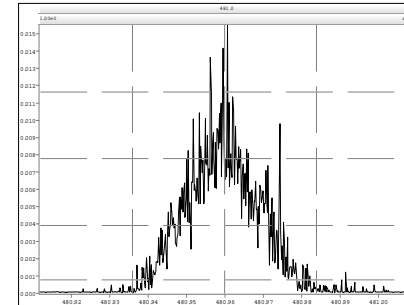
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M 466.9728 R 14109



M 480.9696 R 12246



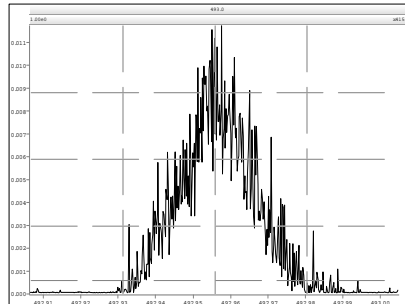
Resolution Check Report

MassLynx 4.1

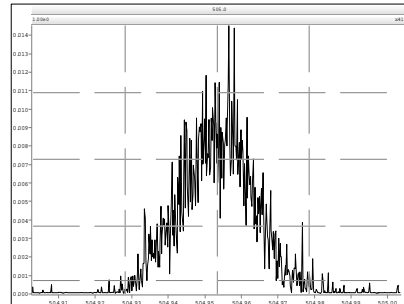
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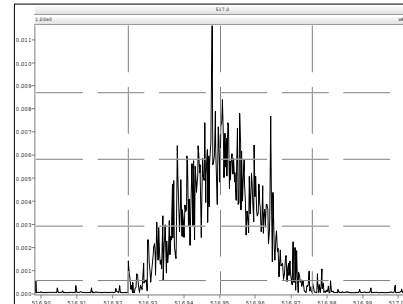
M 492.9696 R 12502



M 504.9696 R 13488



M 516.9697 R 12867



PCB ICAL Summary			Analytical Perspectives						Printed: 26 Jan 2012 13:13	
ICAL: MM6_PCB_01102012_25JAN12										
Acquired: 25 Jan 2012			120125V08	120125V08	120125V09	120125V10	120125V11	120125V12		
Date Processed: 26 Jan 2012 11:58			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
PCB-77 33'44'-TeCB	1.11	5.1%	1.07	1.11	1.02	1.12	1.16	1.17		
PCB-81 344'5'-TeCB	1.13	2.5%	1.13	1.10	1.10	1.13	1.17	1.15		
PCB-105 233'44'-PeCB	1.05	4.9%	1.00	1.03	1.01	1.06	1.11	1.12		
PCB-114 2344'5'-PeCB	1.15	2.4%	1.19	1.13	1.12	1.14	1.17	1.18		
PCB-118 23'44'5'-PeCB	1.04	5.7%	1.02	0.95	1.02	1.06	1.08	1.12		
PCB-123 2'344'5'-PeCB	1.01	1.8%	0.99	1.03	1.01	1.03	0.99	1.00		
PCB-126 33'44'5'-PeCB	1.06	4.3%	1.07	0.97	1.05	1.08	1.07	1.09		
PCB-156/157 233'44'5'/233'44'5'	1.16	3.5%	1.11	1.12	1.15	1.18	1.21	1.20		
PCB-167 23'44'55'-HxCB	1.24	4.2%	1.28	1.17	1.20	1.23	1.29	1.29		
PCB-169 33'44'55'-HxCB	1.19	3.0%	1.18	1.17	1.13	1.21	1.21	1.22		
PCB-189 233'44'55'-HpCB	1.05	4.1%	0.98	1.08	1.03	1.07	1.07	1.10		
PCB-209 DeCB	1.09	2.9%	1.12	1.05	1.06	1.07	1.11	1.12		
ES PCB-1	1.02	1.2%	1.01	1.01	1.01	1.03	1.03	1.04		
ES PCB-3	1.02	3.4%	1.01	1.00	0.99	1.01	1.04	1.09		
ES PCB-4	0.68	2.8%	0.68	0.68	0.67	0.67	0.68	0.72		
ES PCB-15	1.06	6.6%	1.02	1.03	0.98	1.04	1.14	1.16		
ES PCB-19	0.49	2.9%	0.49	0.49	0.48	0.48	0.50	0.52		
ES PCB-37	1.51	5.8%	1.50	1.48	1.37	1.52	1.58	1.62		
ES PCB-54	1.37	2.3%	1.38	1.35	1.42	1.39	1.33	1.35		
ES PCB-77	1.17	5.1%	1.18	1.20	1.05	1.17	1.21	1.21		
ES PCB-81	1.13	6.3%	1.11	1.13	1.01	1.15	1.20	1.20		
ES PCB-104	1.90	6.2%	1.98	1.94	2.03	1.94	1.71	1.82		
ES PCB-105	1.15	9.4%	1.26	1.23	1.16	1.20	0.97	1.07		
ES PCB-114	1.22	7.8%	1.30	1.31	1.22	1.26	1.08	1.13		
ES PCB-118	1.24	9.4%	1.37	1.33	1.28	1.28	1.07	1.14		
ES PCB-123	1.29	6.4%	1.36	1.37	1.27	1.32	1.14	1.27		
ES PCB-126	1.40	6.8%	1.51	1.45	1.35	1.45	1.25	1.37		
ES PCB-153	1.09	2.3%	1.12	1.11	1.08	1.06	1.07	1.11		
ES PCB-155	1.45	6.3%	1.40	1.41	1.48	1.31	1.55	1.54		
ES PCB-156/157	0.94	2.6%	0.97	0.97	0.95	0.92	0.92	0.93		
ES PCB-167	0.93	2.0%	0.95	0.96	0.93	0.91	0.91	0.92		
ES PCB-169	0.88	2.3%	0.89	0.89	0.86	0.85	0.89	0.88		
ES PCB-170	1.40	2.7%	1.41	1.39	1.42	1.37	1.36	1.46		
ES PCB-180	1.74	5.2%	1.73	1.71	1.70	1.69	1.69	1.92		
ES PCB-188	1.52	1.7%	1.55	1.54	1.52	1.47	1.53	1.51		
ES PCB-189	2.05	2.8%	2.08	2.02	2.02	1.99	2.03	2.15		
ES PCB-202	1.21	3.8%	1.25	1.24	1.24	1.22	1.14	1.16		
ES PCB-205	1.28	2.3%	1.31	1.28	1.26	1.24	1.29	1.32		
ES PCB-206	1.12	1.3%	1.13	1.13	1.10	1.12	1.14	1.12		

APPROVED

By Bryan Vining at 4:37 pm, Jan 27, 2012

PCB ICAL Summary			Analytical Perspectives						Printed: 26 Jan 2012 13:13	
ICAL: MM6_PCB_01102012_25JAN12										
Acquired: 25 Jan 2012			120125V08	120125V08	120125V09	120125V10	120125V11	120125V12		
			0.5	1	5	50	400	2000		
Name	Mean	% RSD	CS0	CS1	CS2	CS3	CS4	CS5		
ES PCB-208	1.46	4.6%	1.52	1.51	1.51	1.43	1.46	1.35		
ES PCB-209	1.16	1.2%	1.18	1.17	1.14	1.15	1.17	1.15		
SS PCB-28	1.09	5.3%	1.08	1.11	1.19	1.09	1.05	1.01		
SS PCB-111	0.93	1.7%	0.93	0.90	0.95	0.93	0.95	0.93		
SS PCB-178	0.63	1.4%	0.61	0.63	0.62	0.63	0.62	0.63		
CS PCB-28	1.64	1.1%	1.62	1.64	1.62	1.67	1.66	1.64		
CS PCB-111	1.20	5.4%	1.27	1.24	1.20	1.24	1.09	1.18		
CS PCB-178	0.95	1.4%	0.95	0.97	0.95	0.93	0.94	0.96		
PCB-1 2-MoCB	1.00	2.2%	1.01	0.96	0.98	0.99	1.02	1.01		
PCB-3 4-MoCB	0.96	2.7%	0.98	0.92	0.94	0.97	0.98	0.98		
PCB-4 22'-DiCB	0.82	3.8%	0.79	0.79	0.82	0.83	0.86	0.86		
PCB-15 44'-DiCB	0.95	4.4%	1.01	0.88	0.93	0.97	0.96	0.96		
PCB-19 22'6'-TrCB	0.92	5.4%	0.98	0.84	0.88	0.92	0.95	0.95		
PCB-37 344'-TrCB	1.07	3.8%	1.02	1.03	1.12	1.08	1.08	1.11		
PCB-54 22'66'-TeCB	1.04	6.0%	0.97	1.01	0.99	1.07	1.08	1.13		
PCB-104 22'466'-PeCB	1.02	5.6%	0.95	0.97	0.99	1.03	1.09	1.08		
PCB-153 22'44'55' -HxCB	1.12	5.6%	1.05	1.06	1.09	1.13	1.18	1.20		
PCB-155 22'44'66'-HxCB	1.04	3.8%	0.99	0.99	1.02	1.08	1.06	1.08		
PCB-170 22'33'44'5'-HpCB	0.99	4.3%	1.05	0.97	0.92	0.98	0.98	1.01		
PCB-180 22'344'55'-HpCB	0.97	2.6%	0.92	0.96	0.95	0.97	0.99	0.99		
PCB-188 22'34'566'-HpCB	0.94	4.8%	0.91	0.87	0.93	0.97	0.98	0.99		
PCB-202 22'33'55'66'-OcCB	0.86	5.0%	0.81	0.86	0.81	0.86	0.91	0.91		
PCB-205 233'44'55'6'-OcCB	1.20	3.1%	1.16	1.20	1.15	1.22	1.23	1.23		
PCB-208 22'33'455'66'-NoCB	1.01	9.0%	0.95	0.90	0.97	1.03	1.03	1.16		
PCB-206 22'33'44'55'6'-NoCB	0.95	1.7%	0.95	0.97	0.93	0.94	0.96	0.97		

Ax	RSD	Mean	sd	MM6_PCB_07192011_07 DEC11	MM6_PCB_01102012_25 JAN12	RSD	Mean	sd	PD from Mean
77	10.6	1.04	0.11	0.93	1.11	12.5	1.02	0.13	8.9%
81	9.6	1.08	0.10	0.85	1.13	20.3	0.99	0.20	14.3%
105	4.6	0.96	0.04	0.93	1.05	8.6	0.99	0.09	6.1%
114	4.9	0.96	0.05	1.00	1.15	10.2	1.08	0.11	7.2%
118	6.8	0.95	0.06	0.89	1.04	11.5	0.96	0.11	8.1%
123	3.9	0.97	0.04	1.03	1.01	1.7	1.02	0.02	-1.2%
126	8.6	1.00	0.09	0.80	1.06	19.0	0.93	0.18	13.4%
156/157	6.4	0.99	0.06	1.16	1.16	0.3	1.16	0.00	-0.2%
167	5.8	0.98	0.06	1.26	1.24	0.8	1.25	0.01	-0.6%
169	4.5	0.97	0.04	1.19	1.19	0.5	1.19	0.01	-0.3%
189	14.7	0.95	0.14	1.00	1.05	4.0	1.03	0.04	2.8%
1	9.3	1.16	0.11	0.88	1.00	8.9	0.94	0.08	6.3%
3	9.5	1.16	0.11	0.83	0.96	10.2	0.90	0.09	7.2%
4	4.7	1.03	0.05	0.86	0.82	2.7	0.84	0.02	-1.9%
15	11.8	1.02	0.12	0.83	0.95	9.5	0.89	0.08	6.7%
19	4.7	1.04	0.05	0.95	0.92	2.0	0.93	0.02	-1.4%
37	12.1	1.06	0.13	0.98	1.07	6.4	1.03	0.07	4.5%
54	4.3	1.06	0.05	1.17	1.04	8.0	1.10	0.09	-5.6%
104	5.4	1.01	0.05	1.14	1.02	8.2	1.08	0.09	-5.8%
153				1.14	1.12	1.5	1.13	0.02	-1.1%
155	3.2	1.02	0.03	1.06	1.04	1.4	1.05	0.01	-1.0%
170				0.97	0.99	0.8	0.98	0.01	0.6%
180				1.08	0.97	8.2	1.02	0.08	-5.8%
188	4.2	1.02	0.04	1.08	0.94	9.5	1.01	0.10	-6.7%
202	3.0	0.91	0.03	0.91	0.86	4.5	0.89	0.04	-3.2%
205	5.4	0.96	0.05	1.18	1.20	1.4	1.19	0.02	1.0%
208	2.3	0.93	0.02	0.91	1.01	6.8	0.96	0.07	4.8%
206	3.2	0.97	0.03	0.95	0.95	0.1	0.95	0.00	0.0%
209	7.0	0.95	0.07	1.10	1.09	0.9	1.09	0.01	-0.6%
ES									
1	6.7	1.01	0.07	1.15	1.02	8.0	1.08	0.09	-5.7%
3	5.5	1.02	0.06	1.15	1.02	8.5	1.09	0.09	-6.0%
4	10.0	0.69	0.07	0.69	0.68	1.1	0.69	0.01	-0.8%
15	4.2	1.06	0.04	1.13	1.06	4.4	1.09	0.05	-3.1%
19	6.3	0.62	0.04	0.51	0.49	2.7	0.50	0.01	-1.9%
37	10.4	1.36	0.14	1.77	1.51	11.2	1.64	0.18	-7.9%
54	7.3	1.18	0.09	1.09	1.37	16.2	1.23	0.20	11.5%
77	11.1	1.23	0.14	1.64	1.17	23.8	1.41	0.34	-16.8%
81	9.4	1.19	0.11	1.66	1.13	26.6	1.40	0.37	-18.8%
104	8.0	1.33	0.11	1.19	1.90	32.6	1.55	0.50	23.1%
105	4.1	1.27	0.05	1.25	1.15	6.3	1.20	0.08	-4.4%
114	4.2	1.31	0.05	1.29	1.22	4.3	1.26	0.05	-3.1%
118	5.3	1.31	0.07	1.35	1.24	5.8	1.30	0.08	-4.1%
123	3.9	1.24	0.05	1.20	1.29	5.2	1.24	0.06	3.7%
126	6.7	1.30	0.09	1.63	1.40	11.0	1.51	0.17	-7.8%
153				1.10	1.09	0.4	1.10	0.00	-0.3%
155	7.0	1.42	0.10	1.45	1.45	0.0	1.45	0.00	0.0%
156/157	7.7	1.22	0.09	1.10	0.94	10.6	1.02	0.11	-7.5%
167	7.6	1.25	0.09	1.12	0.93	12.9	1.02	0.13	-9.1%
169	8.1	1.23	0.10	1.04	0.88	12.1	0.96	0.12	-8.6%
170				1.14	1.40	14.3	1.27	0.18	10.1%
180				1.33	1.74	19.1	1.53	0.29	13.5%
188	8.5	1.27	0.11	1.09	1.52	23.2	1.30	0.30	16.4%
189	7.8	1.52	0.12	1.81	2.05	8.5	1.93	0.16	6.0%
202	6.6	1.18	0.08	1.09	1.21	7.1	1.15	0.08	5.0%
205	3.9	1.27	0.05	1.22	1.22	3.8	1.25	0.05	2.7%
206	11.3	0.97	0.11	1.03	1.12	6.3	1.07	0.07	4.4%
208	10.2	1.27	0.13	1.39	1.46	3.8	1.42	0.05	2.7%

Comparing ICAL RRFs_in use

1668A/B ICALs				Historica Data							390 of 597	
Ax	RSD	Mean	sd	MM6_PCB_07192011_07 MM6_PCB_01102012_25		RSD	Mean	sd	PD from Mean			
				DEC11	JAN12							
209	8.3	1.20	0.10	1.10	1.16	4.2	1.13	0.05	2.9%			
SS												
28	3.6	1.05	0.04	1.00	1.09	5.9	1.05	0.06	4.1%			
111	4.0	1.05	0.04	1.01	0.93	5.9	0.97	0.06	-4.2%			
178	3.9	0.71	0.03	0.72	0.63	10.1	0.67	0.07	-7.1%			

Additional Ax	RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	8.9	0.94	0.08	6.3%
PCB-2 3-MoCB	9.0	0.89	0.08	6.4%
PCB-3 4-MoCB	10.2	0.90	0.09	7.2%
PCB-4 22'-DiCB	2.7	0.84	0.02	-1.9%
PCB-10 26-DiCB	0.4	1.33	0.01	-0.3%
PCB-9 25-DiCB	10.4	0.79	0.08	7.4%
PCB-7 24-DiCB	11.1	0.88	0.10	7.8%
PCB-6 23'-DiCB	12.8	0.84	0.11	9.0%
PCB-5 23-DiCB	11.6	0.83	0.10	8.2%
PCB-8 24'-DiCB	13.1	0.85	0.11	9.3%
PCB-14 35-DiCB	11.0	0.97	0.11	7.8%
PCB-11 33'-DiCB	9.2	0.84	0.08	6.5%
PCB-13/12 34'-/34-DiCB	8.0	0.83	0.07	5.7%
PCB-15 44'-DiCB	9.5	0.89	0.08	6.7%
PCB-19 22'6-TrCB	2.0	0.93	0.02	-1.4%
PCB-30/18 24'6-/22'5-TrCB	1.2	1.20	0.01	-0.9%
PCB-17 22'4-TrCB	1.0	1.04	0.01	-0.7%
PCB-27 23'6-TrCB	0.9	1.40	0.01	-0.6%
PCB-24 23'6-TrCB	0.4	1.34	0.01	-0.3%
PCB-16 22'3-TrCB	5.8	0.80	0.05	-4.1%
PCB-32 24'6-TrCB	0.7	1.45	0.01	-0.5%
PCB-34 2'35-TrCB	11.7	1.07	0.13	8.3%
PCB-23 23'5-TrCB	12.2	1.09	0.13	8.7%
PCB-26/29 23'5-/24'5-TrCB	11.2	1.11	0.12	7.9%
PCB-25 23'4-TrCB	12.6	1.12	0.14	8.9%
PCB-31 24'5-TrCB	10.7	1.13	0.12	7.6%
PCB-28/20 244'-/233'-TrCB	11.5	1.09	0.13	8.2%
PCB-21/33 234-/2'34-TrCB	11.9	1.11	0.13	8.4%
PCB-22 234'-TrCB	11.7	1.02	0.12	8.3%
PCB-36 33'5-TrCB	8.0	1.11	0.09	5.7%
PCB-39 34'5-TrCB	8.7	1.16	0.10	6.2%
PCB-38 34'5-TrCB	7.6	1.02	0.08	5.4%
PCB-35 33'4-TrCB	5.4	1.00	0.05	3.8%
PCB-37 344'-TrCB	6.4	1.03	0.07	4.5%
PCB-54 22'66'-TeCB	8.0	1.10	0.09	-5.6%
PCB-50/53 22'46-/22'56'-TeCB	21.9	0.69	0.15	15.5%
PCB-45 22'36'-TeCB	26.0	0.62	0.16	18.4%
PCB-51 22'46'-TeCB	16.5	0.68	0.11	11.7%
PCB-46 22'36'-TeCB	24.3	0.55	0.13	17.2%
PCB-52 22'55'-TeCB	25.2	0.65	0.16	17.8%
PCB-73 23'5'6'-TeCB	26.0	0.85	0.22	18.3%
PCB-43 22'35'-TeCB	25.1	0.55	0.14	17.8%
PCB-69/49 23'46-/22'45'-TeCB	23.3	0.79	0.18	16.5%
PCB-48 22'45'-TeCB	23.7	0.65	0.15	16.8%
PCB-44/47/65 22'35'-/22'44'-	22.6	0.70	0.16	16.0%
PCB-59/62/75 233'6-/234'6-/24	22.8	0.89	0.20	16.1%
PCB-42 22'34'-TeCB	23.3	0.59	0.14	16.5%
PCB-41 22'34'-TeCB	19.5	0.53	0.10	13.8%
PCB-71/40 23'4'6/22'33'-TeCB	23.8	0.66	0.16	16.8%
PCB-64 234'6'-TeCB	24.1	0.93	0.22	17.1%

Comparing ICAL RRFs_in use

Ax	RSD	Mean	sd	MM6_PCB_07192011_07 DEC11	MM6_PCB_01102012_25 JAN12	RSD	Mean	sd	PD from Mean
PCB-72 23'55'-TeCB				0.87	1.24	24.8	1.06	0.26	17.5%
PCB-68 23'45'-TeCB				0.94	1.36	25.9	1.15	0.30	18.3%
PCB-57 23'3'5'-TeCB				0.88	1.23	24.1	1.06	0.25	17.0%
PCB-58 23'3'5'-TeCB				0.86	1.23	25.2	1.04	0.26	17.8%
PCB-67 23'45'-TeCB				0.89	1.27	24.9	1.08	0.27	17.6%
PCB-63 23'4'5'-TeCB				0.94	1.36	25.9	1.15	0.30	18.3%
PCB-61/70/74/76 23'45'-/23'4'5'				0.87	1.22	23.4	1.05	0.24	16.5%
PCB-66 23'44'-TeCB				0.83	1.17	24.0	1.00	0.24	17.0%
PCB-55 23'3'4'-TeCB				0.83	1.15	22.7	0.99	0.23	16.0%
PCB-56 23'3'4'-TeCB				0.80	1.11	22.6	0.96	0.22	16.0%
PCB-60 23'44'-TeCB				0.82	1.13	22.4	0.98	0.22	15.9%
PCB-80 33'55'-TeCB				0.97	1.31	20.9	1.14	0.24	14.8%
PCB-79 33'45'-TeCB				0.95	1.33	23.5	1.14	0.27	16.6%
PCB-78 33'45'-TeCB				0.80	1.06	19.8	0.93	0.18	14.0%
PCB-104 22'46'6'-PeCB				1.14	1.02	8.2	1.08	0.09	-5.8%
PCB-96 22'36'6'-PeCB				0.98	0.86	9.4	0.92	0.09	-6.6%
PCB-103 22'45'6'-PeCB				0.78	0.82	3.7	0.80	0.03	2.6%
PCB-94 22'35'6'-PeCB				0.66	0.73	7.4	0.70	0.05	5.2%
PCB-95 22'35'6'-PeCB				0.71	0.76	5.2	0.74	0.04	3.6%
PCB-100/93 22'44'6'-/22'35'6'-P				0.70	0.77	6.2	0.73	0.05	4.4%
PCB-102 22'45'6'-PeCB				0.82	0.85	3.0	0.84	0.03	2.1%
PCB-98 22'3'46'-PeCB				0.66	0.72	6.0	0.69	0.04	4.2%
PCB-88 22'3'46'-PeCB				0.67	0.73	5.9	0.70	0.04	4.2%
PCB-91 22'3'46'-PeCB				0.78	0.82	3.7	0.80	0.03	2.6%
PCB-84 22'3'3'6'-PeCB				0.63	0.63	1.0	0.63	0.01	0.7%
PCB-89 22'3'46'-PeCB				0.67	0.66	0.6	0.66	0.00	-0.4%
PCB-121 23'45'6'-PeCB				0.95	1.00	3.8	0.98	0.04	2.7%
PCB-92 22'35'5'-PeCB				0.71	0.69	2.1	0.70	0.01	-1.5%
PCB-113/90/101 23'3'5'6'-/22'3'				0.84	0.83	0.2	0.84	0.00	-0.2%
PCB-83 22'3'3'5'-PeCB				0.61	0.61	0.1	0.61	0.00	0.1%
PCB-99 22'44'5'-PeCB				0.75	0.79	3.3	0.77	0.03	2.4%
PCB-112 23'3'56'-PeCB				0.98	0.98	0.1	0.98	0.00	0.1%
PCB-108/119/86/97/125/87 23'3'				0.84	0.86	1.3	0.85	0.01	0.9%
PCB-117 23'4'56'-PeCB				0.93	0.85	6.0	0.89	0.05	-4.3%
PCB-116/85 23'45'6'-/22'3'44'-Pe				0.81	0.86	4.4	0.84	0.04	3.1%
PCB-110 23'3'4'6'-PeCB				0.91	0.91	0.2	0.91	0.00	0.2%
PCB-115 23'44'6'-PeCB				0.98	1.02	2.7	1.00	0.03	1.9%
PCB-82 22'3'3'4'-PeCB				0.61	0.61	0.5	0.61	0.00	-0.4%
PCB-111 23'3'55'-PeCB				1.05	1.02	1.8	1.03	0.02	-1.2%
PCB-120 23'45'5'-PeCB				1.02	1.01	1.0	1.01	0.01	-0.7%
PCB-107/124 23'3'4'5'-/2'3'45'5'				0.95	0.92	1.9	0.93	0.02	-1.3%
PCB-109 23'3'46'-PeCB				1.01	1.01	0.0	1.01	0.00	0.0%
PCB-106 23'3'45'-PeCB				0.95	0.93	1.3	0.94	0.01	-0.9%
PCB-122 2'3'3'45'-PeCB				0.80	0.91	9.5	0.85	0.08	6.7%
PCB-127 33'45'5'-PeCB				0.93	1.01	6.3	0.97	0.06	4.5%
PCB-155 22'44'6'6'-HxCB				1.06	1.04	1.4	1.05	0.01	-1.0%
PCB-152 22'35'6'6'-HxCB				0.99	0.99	0.1	0.99	0.00	-0.1%
PCB-150 22'34'6'6'-HxCB				0.96	0.97	0.5	0.96	0.01	0.4%
PCB-136 22'33'6'6'-HxCB				0.91	0.91	0.0	0.91	0.00	0.0%
PCB-145 22'34'6'6'-HxCB				0.94	0.93	1.3	0.94	0.01	-0.9%
PCB-148 22'34'5'6'-HxCB				0.96	0.94	1.4	0.95	0.01	-1.0%
PCB-151/135 22'35'5'6'-/22'3'3'				0.92	0.91	0.8	0.91	0.01	-0.6%
PCB-154 22'44'5'6'-HxCB				1.05	1.05	0.5	1.05	0.01	0.3%
PCB-144 22'34'5'6'-HxCB				0.94	0.92	1.6	0.93	0.01	-1.1%
PCB-147/149 22'34'5'6'-/22'3'4'				0.95	0.94	1.0	0.95	0.01	-0.7%
PCB-134 22'33'5'6'-HxCB				0.76	0.72	3.9	0.74	0.03	-2.8%
PCB-143 22'34'5'6'-HxCB				0.89	0.88	0.5	0.88	0.00	-0.4%
PCB-139/140 22'34'4'6'-/22'34'4'				0.96	0.93	2.3	0.95	0.02	-1.6%
PCB-131 22'33'46'-HxCB				0.84	0.82	1.5	0.83	0.01	-1.1%
PCB-142 22'34'56'-HxCB				0.84	0.84	0.2	0.84	0.00	-0.1%
PCB-132 22'33'46'-HxCB				0.87	0.84	2.4	0.86	0.02	-1.7%
PCB-133 22'33'55'-HxCB				0.95	0.86	6.9	0.90	0.06	-4.9%

Comparing ICAL RRFs_in use

1668A/B ICALs		Historica Data			392 of 597					
Ax	RSD	Mean	sd	MM6_PCB_07192011_07 DEC11	MM6_PCB_01102012_25 JAN12	RSD	Mean	sd	PD from Mean	
PCB-165 233'55'6'-HxCB				1.11	1.04	4.5	1.08	0.05	-3.2%	
PCB-146 22'34'55'-HxCB				0.98	0.92	4.3	0.95	0.04	-3.1%	
PCB-161 233'45'6'-HxCB				1.25	1.20	2.4	1.23	0.03	-1.7%	
PCB-153/168 22'44'55'-/23'44'				1.14	1.12	1.5	1.13	0.02	-1.1%	
PCB-141 22'34'55'-HxCB				0.93	0.87	5.2	0.90	0.05	-3.7%	
PCB-130 22'33'45'-HxCB				0.82	0.78	3.6	0.80	0.03	-2.5%	
PCB-137 22'344'5'-HxCB				1.00	0.96	2.6	0.98	0.03	-1.8%	
PCB-164 233'4'5'6'-HxCB				1.25	1.14	6.1	1.20	0.07	-4.3%	
PCB-163/138/129 233'4'56'-/22'				1.00	0.95	3.2	0.98	0.03	-2.3%	
PCB-160 233'456'-HxCB				1.17	1.12	2.8	1.15	0.03	-2.0%	
PCB-158 233'44'6'-HxCB				1.40	1.25	8.2	1.33	0.11	-5.8%	
PCB-128/166 22'33'44'-/2344'5				0.95	0.98	2.4	0.97	0.02	1.7%	
PCB-159 233'455'-HxCB				1.14	1.14	0.2	1.14	0.00	0.2%	
PCB-162 233'4'55'-HxCB				1.13	1.13	0.3	1.13	0.00	0.2%	
PCB-188 22'34'566'-HpCB				1.08	0.94	9.5	1.01	0.10	-6.7%	
PCB-179 22'33'566'-HpCB				0.99	0.81	14.1	0.90	0.13	-9.9%	
PCB-184 22'344'66'-HpCB				0.99	0.85	10.8	0.92	0.10	-7.6%	
PCB-176 22'33'466'-HpCB				1.08	0.93	10.4	1.00	0.10	-7.4%	
PCB-186 22'34566'-HpCB				1.01	0.88	10.3	0.95	0.10	-7.3%	
PCB-178 22'33'55'6'-HpCB				0.79	0.66	12.6	0.73	0.09	-8.9%	
PCB-175 22'33'45'6'-HpCB				0.93	0.81	9.5	0.87	0.08	-6.7%	
PCB-187 22'34'55'6'-HpCB				1.02	0.89	9.5	0.96	0.09	-6.7%	
PCB-182 22'344'56'-HpCB				1.04	0.89	11.4	0.96	0.11	-8.0%	
PCB-183 22'344'5'6'-HpCB				1.01	0.91	7.9	0.96	0.08	-5.6%	
PCB-185 22'3455'6'-HpCB				0.97	0.87	8.2	0.92	0.08	-5.8%	
PCB-174 22'33'456'-HpCB				0.86	0.76	8.2	0.81	0.07	-5.8%	
PCB-177 22'33'4'56'-HpCB				0.85	0.75	8.8	0.80	0.07	-6.2%	
PCB-181 22'344'56'-HpCB				1.02	0.87	10.8	0.94	0.10	-7.6%	
PCB-171/173 22'33'44'6'-/22'3				0.87	0.76	9.2	0.82	0.08	-6.5%	
PCB-172 22'33'455'-HpCB				0.87	0.76	9.6	0.82	0.08	-6.8%	
PCB-192 233'455'6'-HpCB				1.13	1.02	6.8	1.07	0.07	-4.8%	
PCB-180/193 22'344'55'-/233'				1.08	0.97	8.2	1.02	0.08	-5.8%	
PCB-191 233'44'5'6'-HpCB				1.14	1.05	5.9	1.10	0.06	-4.2%	
PCB-170 22'33'44'5'-HpCB				0.97	0.99	0.8	0.98	0.01	0.6%	
PCB-190 233'44'56'-HpCB				1.37	1.37	0.1	1.37	0.00	-0.1%	
PCB-202 22'33'55'66'-OcCB				0.91	0.86	4.5	0.89	0.04	-3.2%	
PCB-201 22'33'45'66'-OcCB				1.00	0.96	3.2	0.98	0.03	-2.2%	
PCB-204 22'344'566'-OcCB				0.94	0.93	1.3	0.93	0.01	-0.9%	
PCB-197 22'33'44'66'-OcCB				1.03	0.99	3.3	1.01	0.03	-2.4%	
PCB-200 22'33'4566'-OcCB				0.92	0.91	0.5	0.92	0.00	-0.3%	
PCB-198/199 22'33'455'6'-/22'				0.69	0.68	0.7	0.69	0.01	-0.5%	
PCB-196 22'33'44'56'-OcCB				0.74	0.69	4.4	0.71	0.03	-3.1%	
PCB-203 22'344'55'6'-OcCB				0.75	0.73	1.5	0.74	0.01	-1.1%	
PCB-195 22'33'44'56'-OcCB				0.84	0.92	6.3	0.88	0.06	4.4%	
PCB-194 22'33'44'55'-OcCB				0.96	0.96	0.3	0.96	0.00	-0.2%	
PCB-205 233'44'55'6'-OcCB				1.18	1.20	1.4	1.19	0.02	1.0%	
PCB-208 22'33'455'66'-NoCB				0.91	1.01	6.8	0.96	0.07	4.8%	
PCB-207 22'33'44'566'-NoCB				0.97	1.06	6.3	1.01	0.06	4.4%	
PCB-206 22'33'44'55'6'-NoCB				0.95	0.95	0.1	0.95	0.00	0.0%	

Analytical Perspectives — Run Log

Project: ical

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	120125V08	20	CS0_120125_PCB_VA	1.00	SIL 12-5-6	CEM	994-904	25-Jan-2012	19:34:40
3	120125V09	21	CS1_120125_PCB_VA	1.00	SIL 12-5-5	CEM	528-081	25-Jan-2012	20:29:09
4	120125V10	22	CS2_120125_PCB_VA	1.00	SIL 12-5-4	CEM	534-162	25-Jan-2012	21:23:45
5	120125V11	23	CS3_120125_PCB_VA	1.00	SIL 12-5-3	CEM	718-159	25-Jan-2012	22:18:13
6	120125V12	24	CS4_120125_PCB_VA	1.00	SIL 12-5-2	CEM	164-085	25-Jan-2012	23:12:48
7	120125V13	25	CS5_120125_PCB_VA	1.00	SIL 12-5-1	CEM	658-064	26-Jan-2012	00:07:22

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:14			
Lab ID:	CS0_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12						
Acquired:	25-JAN-2012 19:34							
Datafile:	120125V08							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	31.14	3.04E+05	0.83 Y	1.11	1.07	-3.0%		
PCB-81 344'5'-TeCB	30.67	3.01E+05	0.77 Y	1.13	1.13	0.2%		
PCB-105 233'44'-PeCB	34.09	1.96E+05	0.70 Y	1.05	1.00	-5.6%		
PCB-114 2344'5'-PeCB	33.55	2.42E+05	0.71 Y	1.15	1.19	2.9%		
PCB-118 23'44'5'-PeCB	33.10	2.18E+05	0.58 Y	1.04	1.02	-2.4%		
PCB-123 2'344'5'-PeCB	32.82	2.10E+05	0.65 Y	1.01	0.99	-1.7%		
PCB-126 33'44'5'-PeCB	36.69	2.54E+05	0.63 Y	1.06	1.07	1.7%		
PCB-156/157 233'44'5'/233'44'5'	39.21	4.22E+05	1.21 Y	1.16	1.11	-4.4%		
PCB-167 23'44'55'-HxCB	38.25	2.37E+05	1.27 Y	1.24	1.28	3.2%		
PCB-169 33'44'55'-HxCB	41.92	2.05E+05	1.25 Y	1.19	1.18	-0.8%		
PCB-189 233'44'55'-HpCB	44.03	2.41E+05	1.16 Y	1.05	0.98	-7.2%		
PCB-209 DeCB	48.97	1.56E+05	1.16 Y	1.09	1.12	2.9%		
ES PCB-1	10.91	9.51E+07	3.36 Y	1.02	1.01	-0.9%		
ES PCB-3	13.03	9.45E+07	3.41 Y	1.02	1.01	-1.5%		
ES PCB-4	13.26	6.37E+07	1.52 Y	0.68	0.68	-0.6%		
ES PCB-15	18.71	9.57E+07	1.55 Y	1.06	1.02	-3.8%		
ES PCB-19	16.18	4.59E+07	1.03 Y	0.49	0.49	-1.1%		
ES PCB-37	24.88	7.17E+07	1.11 Y	1.51	1.50	-0.9%		
ES PCB-54	18.97	6.60E+07	0.76 Y	1.37	1.38	0.7%		
ES PCB-77	31.12	5.65E+07	0.79 Y	1.17	1.18	0.9%		
ES PCB-81	30.65	5.32E+07	0.79 Y	1.13	1.11	-1.9%		
ES PCB-104	23.82	6.21E+07	1.55 Y	1.90	1.98	4.2%		
ES PCB-105	34.07	3.93E+07	1.56 Y	1.15	1.26	9.5%		
ES PCB-114	33.53	4.08E+07	1.56 Y	1.22	1.30	7.2%		
ES PCB-118	33.08	4.28E+07	1.50 Y	1.24	1.37	10.1%		
ES PCB-123	32.80	4.24E+07	1.51 Y	1.29	1.36	5.2%		
ES PCB-126	36.67	4.74E+07	1.58 Y	1.40	1.51	8.4%		
ES PCB-153	34.65	4.38E+07	1.30 Y	1.09	1.12	2.7%		
ES PCB-155	28.70	5.48E+07	1.27 Y	1.45	1.40	-3.2%		
ES PCB-156/157	39.20	7.60E+07	1.28 Y	0.94	0.97	3.2%		
ES PCB-167	38.23	3.70E+07	1.27 Y	0.93	0.95	1.8%		
ES PCB-169	41.90	3.49E+07	1.26 Y	0.88	0.89	1.9%		
ES PCB-170	41.41	3.34E+07	1.06 Y	1.40	1.41	0.5%		
ES PCB-180	40.35	4.10E+07	1.06 Y	1.74	1.73	-0.7%		
ES PCB-188	33.53	6.04E+07	1.05 Y	1.52	1.55	1.9%		
ES PCB-189	44.01	4.94E+07	1.05 Y	2.05	2.08	1.6%		
ES PCB-202	38.03	4.86E+07	0.86 Y	1.21	1.25	3.0%		
ES PCB-205	46.16	3.11E+07	0.91 Y	1.28	1.31	1.9%		
ES PCB-206	47.61	2.69E+07	0.78 Y	1.12	1.13	1.0%		
ES PCB-208	43.62	3.60E+07	0.79 Y	1.46	1.52	3.8%		
ES PCB-209	48.95	2.79E+07	1.18 Y	1.16	1.18	1.2%		

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:14		
Lab ID:	CS0_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	7.77E+07	1.11 Y	1.09	1.08	-0.6%	
SS PCB-111	31.15	3.97E+07	1.57 Y	0.93	0.93	0.2%	
SS PCB-178	36.08	3.71E+07	1.03 Y	0.63	0.61	-1.8%	
CS PCB-28	21.40	7.77E+07	1.11 Y	1.64	1.62	-1.2%	
CS PCB-111	31.15	3.97E+07	1.57 Y	1.20	1.27	5.4%	
CS PCB-178	36.08	3.71E+07	1.03 Y	0.95	0.95	0.0%	
JS PCB-9	15.14	9.38E+07	1.58 Y	-	-	-	
JS PCB-52	22.99	4.79E+07	0.78 Y	-	-	-	
JS PCB-101	28.88	3.13E+07	1.61 Y	-	-	-	
JS PCB-138	35.70	3.90E+07	1.30 Y	-	-	-	
JS PCB-194	45.76	2.37E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.92	4.82E+05	2.82 Y	1.00	1.01	1.8%	
PCB-3 4-MoCB	13.05	4.61E+05	3.06 Y	0.96	0.98	1.5%	
PCB-4 22'-DiCB	13.28	2.53E+05	0.00 S	0.82	0.79	-3.7%	
PCB-15 44'-DiCB	18.72	4.84E+05	0.00 S	0.95	1.01	6.1%	
PCB-19 22'6'-TrCB	16.19	2.25E+05	1.11 Y	0.92	0.98	6.6%	
PCB-37 344'-TrCB	24.90	3.66E+05	1.00 Y	1.07	1.02	-4.8%	
PCB-54 22'66'-TeCB	18.99	3.20E+05	0.79 Y	1.04	0.97	-6.9%	
PCB-104 22'466'-PeCB	23.84	2.95E+05	0.58 Y	1.02	0.95	-6.5%	
PCB-153 22'44'55' -HxCB	34.70	4.61E+05	1.30 Y	1.12	1.05	-6.0%	
PCB-155 22'44'66'-HxCB	28.72	2.72E+05	1.22 Y	1.04	0.99	-4.2%	
PCB-170 22'33'44'5'-HpCB	41.43	1.75E+05	1.11 Y	0.99	1.05	6.3%	
PCB-180 22'344'55'-HpCB	40.35	3.79E+05	1.04 Y	0.97	0.92	-4.3%	
PCB-188 22'34'566'-HpCB	33.55	2.76E+05	1.05 Y	0.94	0.91	-3.2%	
PCB-202 22'33'55'66'-OcCB	38.05	1.97E+05	0.86 Y	0.86	0.81	-5.5%	
PCB-205 233'44'55'6'-OcCB	46.18	1.80E+05	0.99 Y	1.20	1.16	-3.3%	
PCB-208 22'33'455'66'-NoCB	43.64	1.70E+05	0.85 Y	1.01	0.95	-6.0%	
PCB-206 22'33'44'55'6'-NoCB	47.63	1.27E+05	0.74 Y	0.95	0.95	-0.7%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:14			
Lab ID:	CS0_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	4.82E+05	2.82 Y	1.00	1.01	1.8%	
PCB-2 3-MoCB	12.87	4.25E+05	2.96 Y	0.95	0.90	-5.2%	
PCB-3 4-MoCB	13.05	4.61E+05	3.06 Y	0.96	0.98	1.5%	
PCB-4 22'-DiCB	13.28	2.53E+05	0.00 S	0.82	0.79	-3.7%	
PCB-10 26-DiCB	13.45	4.38E+05	0.00 S	1.33	1.37	3.7%	
PCB-9 25-DiCB	15.15	4.21E+05	0.00 S	0.84	0.88	4.2%	
PCB-7 24-DiCB	15.31	4.52E+05	0.00 S	0.95	0.94	-0.7%	
PCB-6 23'-DiCB	15.52	4.68E+05	0.00 S	0.91	0.98	7.2%	
PCB-5 23-DiCB	15.81	4.24E+05	0.00 S	0.90	0.89	-1.1%	
PCB-8 24'-DiCB	15.92	4.67E+05	0.00 S	0.93	0.98	5.1%	
PCB-14 35-DiCB	17.42	4.94E+05	0.00 S	1.04	1.03	-0.7%	
PCB-11 33'-DiCB	18.17	4.51E+05	0.00 S	0.89	0.94	5.6%	
PCB-13/12 34'-/34-DiCB	18.45	8.17E+05	0.00 S	0.88	0.85	-3.1%	
PCB-15 44'-DiCB	18.72	4.84E+05	0.00 S	0.95	1.01	6.1%	
PCB-19 22'6-TrCB	16.19	2.25E+05	1.11 Y	0.92	0.98	6.6%	
PCB-30/18 246-/22'5-TrCB	17.88	5.07E+05	1.06 Y	1.19	1.10	-7.3%	
PCB-17 22'4-TrCB	18.27	2.43E+05	1.16 Y	1.03	1.06	2.9%	
PCB-27 23'6-TrCB	18.46	3.12E+05	1.10 Y	1.39	1.36	-2.5%	
PCB-24 236-TrCB	18.59	2.86E+05	1.06 Y	1.34	1.24	-7.0%	
PCB-16 22'3-TrCB	18.67	1.84E+05	1.01 Y	0.77	0.80	4.2%	
PCB-32 24'6-TrCB	19.14	3.21E+05	1.05 Y	1.45	1.40	-3.2%	
PCB-34 2'35-TrCB	20.27	4.13E+05	0.99 Y	1.16	1.15	-0.4%	
PCB-23 235-TrCB	20.41	4.17E+05	0.90 Y	1.18	1.16	-1.4%	
PCB-26/29 23'5-/245-TrCB	20.69	8.61E+05	0.99 Y	1.20	1.20	0.6%	
PCB-25 23'4-TrCB	20.88	4.40E+05	0.97 Y	1.22	1.23	0.6%	
PCB-31 24'5-TrCB	21.15	4.14E+05	1.15 Y	1.21	1.16	-4.7%	
PCB-28/20 244'-/233'-TrCB	21.42	8.41E+05	1.03 Y	1.18	1.17	-0.6%	
PCB-21/33 234-/2'34-TrCB	21.60	8.66E+05	1.04 Y	1.21	1.21	0.1%	
PCB-22 234'-TrCB	21.97	3.80E+05	1.05 Y	1.10	1.06	-3.8%	
PCB-36 33'5-TrCB	23.33	4.20E+05	1.07 Y	1.17	1.17	0.0%	
PCB-39 34'5-TrCB	23.65	4.49E+05	1.09 Y	1.24	1.25	1.3%	
PCB-38 345-TrCB	24.16	3.67E+05	1.11 Y	1.07	1.02	-4.4%	
PCB-35 33'4-TrCB	24.55	3.64E+05	0.99 Y	1.03	1.02	-1.8%	
PCB-37 344'-TrCB	24.90	3.66E+05	1.00 Y	1.07	1.02	-4.8%	
PCB-54 22'66'-TeCB	18.99	3.20E+05	0.79 Y	1.04	0.97	-6.9%	
PCB-50/53 22'46-/22'56'TeCB	20.93	4.18E+05	0.74 Y	0.80	0.79	-1.9%	
PCB-45 22'36'-TeCB	21.50	1.89E+05	0.66 N	0.73	0.71	-2.5%	
PCB-51 22'46'-TeCB	21.57	1.73E+05	0.80 Y	0.76	0.65	-14.2%	
PCB-46 22'36'-TeCB	21.76	1.72E+05	0.78 Y	0.65	0.65	-0.4%	
PCB-52 22'55'-TeCB	23.00	2.05E+05	0.77 Y	0.77	0.77	0.3%	
PCB-73 23'5'6TeCB	23.13	2.52E+05	0.77 Y	1.00	0.95	-5.5%	
PCB-43 22'35'-TeCB	23.22	1.77E+05	0.80 Y	0.65	0.66	2.4%	
PCB-69/49 23'46-/22'45'TeCB	23.42	4.77E+05	0.75 Y	0.92	0.90	-2.2%	

PCB QC Summary - Ax2 Detail

Printed: 26-Jan-2012 13:14

Lab ID: CS0_120125_PCB_VA
 Acquired: 25-JAN-2012 19:34
 Datafile: 120125V08

ICAL: MM6_PCB_01102012_25JAN12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.69	1.93E+05	0.77 Y	0.76	0.73	-4.0%
PCB-44/47/65 22'35'-/22'44'-	23.90	6.18E+05	0.81 Y	0.81	0.77	-3.9%
PCB-59/62/75 23'3'6'-/2346-/24	24.17	7.89E+05	0.73 Y	1.03	0.99	-4.2%
PCB-42 22'34'-TeCB	24.33	1.87E+05	0.79 Y	0.69	0.70	1.7%
PCB-41 22'34'-TeCB	24.65	1.57E+05	0.79 Y	0.61	0.59	-2.8%
PCB-71/40 23'4'6'/22'33'-TeCB	24.75	3.86E+05	0.72 Y	0.77	0.73	-5.6%
PCB-64 234'6'-TeCB	24.95	2.73E+05	0.74 Y	1.08	1.03	-5.3%
PCB-72 23'55'-TeCB	25.67	3.27E+05	0.69 Y	1.24	1.23	-1.2%
PCB-68 23'45'-TeCB	25.92	3.58E+05	0.89 Y	1.36	1.35	-1.4%
PCB-57 233'5'-TeCB	26.28	3.24E+05	0.83 Y	1.23	1.22	-1.2%
PCB-58 233'5'-TeCB	26.48	3.09E+05	0.78 Y	1.23	1.16	-5.4%
PCB-67 23'45'-TeCB	26.63	3.02E+05	0.90 N	1.27	1.13	-10.6%
PCB-63 234'5'-TeCB	26.86	3.50E+05	0.74 Y	1.36	1.32	-2.9%
PCB-61/70/74/76 2345-/23'4'5	27.14	1.25E+06	0.73 Y	1.22	1.17	-3.6%
PCB-66 23'44'-TeCB	27.42	3.06E+05	0.73 Y	1.17	1.15	-1.3%
PCB-55 233'4'-TeCB	27.56	2.97E+05	0.75 Y	1.15	1.12	-2.9%
PCB-56 233'4'-TeCB	27.99	2.99E+05	0.81 Y	1.11	1.12	1.2%
PCB-60 2344'-TeCB	28.18	2.67E+05	0.80 Y	1.13	1.00	-11.5%
PCB-80 33'55'-TeCB	28.52	3.37E+05	0.76 Y	1.31	1.27	-2.9%
PCB-79 33'45'-TeCB	29.82	3.34E+05	0.77 Y	1.33	1.26	-5.2%
PCB-78 33'45'-TeCB	30.30	2.76E+05	0.79 Y	1.06	1.04	-2.3%
PCB-104 22'466'-PeCB	23.84	2.95E+05	0.58 Y	1.02	0.95	-6.5%
PCB-96 22'366'-PeCB	24.15	2.37E+05	0.62 Y	0.86	0.76	-11.0%
PCB-103 22'45'6'-PeCB	25.83	1.59E+05	0.72 N	0.82	0.75	-8.7%
PCB-94 22'356'-PeCB	26.01	1.58E+05	0.67 Y	0.73	0.75	1.7%
PCB-95 22'35'6'-PeCB	26.38	1.47E+05	0.62 Y	0.76	0.69	-9.2%
PCB-100/93 22'44'6'-/22'356-P	26.59	3.01E+05	0.60 Y	0.77	0.71	-7.3%
PCB-102 22'456'-PeCB	26.70	1.79E+05	0.55 Y	0.85	0.84	-1.2%
PCB-98 22'3'46'-PeCB	26.77	1.44E+05	0.61 Y	0.72	0.68	-5.3%
PCB-88 22'346'-PeCB	27.06	1.49E+05	0.59 Y	0.73	0.70	-3.1%
PCB-91 22'34'6'-PeCB	27.13	1.63E+05	0.64 Y	0.82	0.77	-6.3%
PCB-84 22'33'6'-PeCB	27.32	1.26E+05	0.68 Y	0.63	0.59	-6.4%
PCB-89 22'346'-PeCB	27.72	1.27E+05	0.74 N	0.66	0.60	-9.1%
PCB-121 23'45'6'-PeCB	28.08	2.08E+05	0.57 Y	1.00	0.98	-2.2%
PCB-92 22'355'-PeCB	28.40	1.33E+05	0.66 Y	0.69	0.63	-8.9%
PCB-113/90/101 233'5'6'-/22'3	28.87	4.89E+05	0.60 Y	0.83	0.77	-7.8%
PCB-83 22'33'5'-PeCB	29.31	1.37E+05	0.69 Y	0.61	0.64	5.0%
PCB-99 22'44'5'-PeCB	29.40	1.49E+05	0.60 Y	0.79	0.70	-10.8%
PCB-112 233'56'-PeCB	29.50	2.02E+05	0.60 Y	0.98	0.95	-2.8%
PCB-108/119/86/97/125/87 233	29.83	1.02E+06	0.63 Y	0.86	0.80	-6.5%
PCB-117 234'56'-PeCB	30.35	1.77E+05	0.61 Y	0.85	0.84	-2.1%
PCB-116/85 23456-/22'344'-Pe	30.44	3.38E+05	0.65 Y	0.86	0.80	-7.4%
PCB-110 233'4'6'-PeCB	30.57	1.83E+05	0.62 Y	0.91	0.86	-4.8%

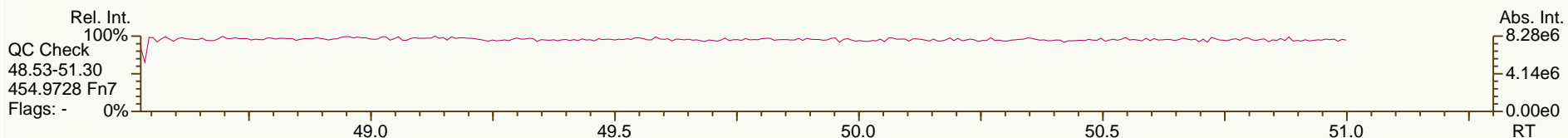
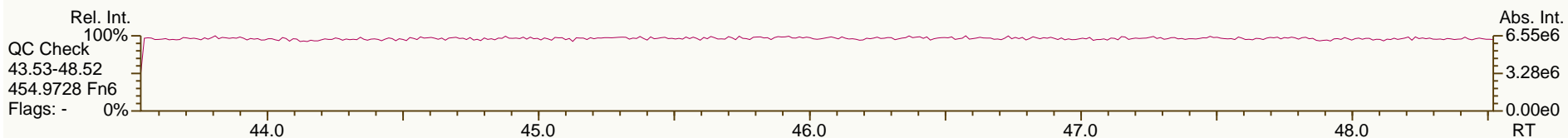
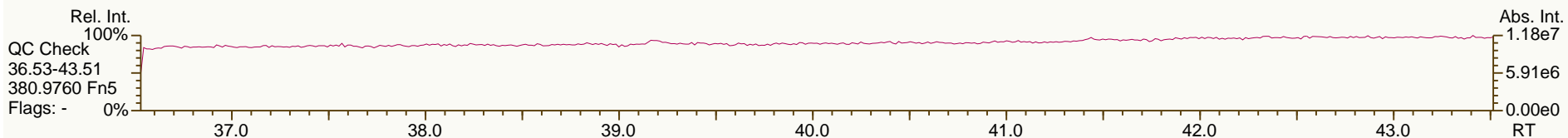
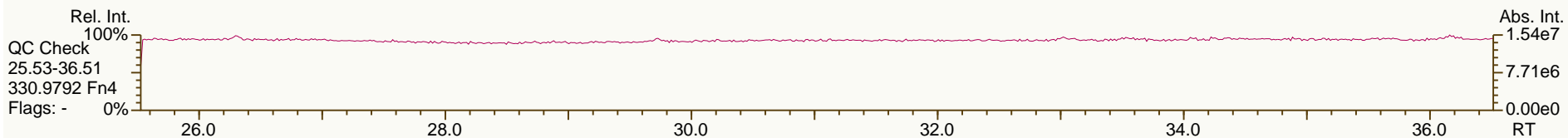
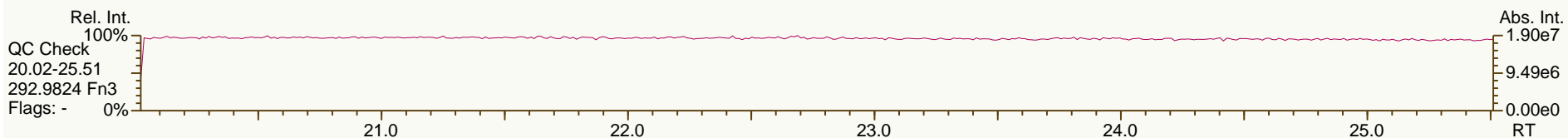
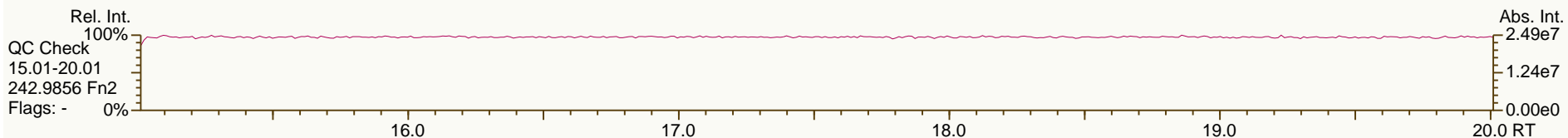
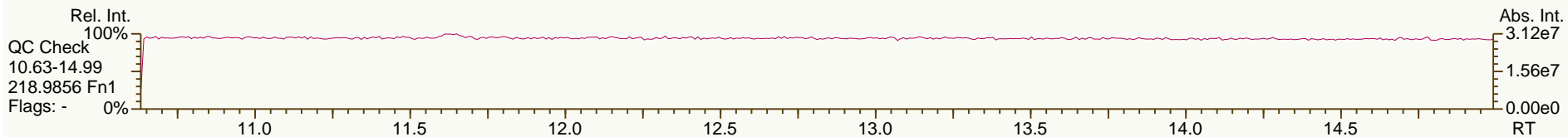
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Lab ID:	CS0_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	2.05E+05	0.67 Y	1.02	0.97	-4.9%	
PCB-82 22'33'4-PeCB	30.85	1.30E+05	0.75 N	0.61	0.61	0.8%	
PCB-111 233'55'-PeCB	31.17	2.11E+05	0.71 Y	1.02	1.00	-2.3%	
PCB-120 23'455'-PeCB	31.57	2.04E+05	0.63 Y	1.01	0.96	-4.3%	
PCB-107/124 233'4'5'-/2'3455'	32.52	3.83E+05	0.63 Y	0.92	0.90	-2.0%	
PCB-109 233'46-PeCB	32.73	2.08E+05	0.56 Y	1.01	0.98	-2.4%	
PCB-106 233'45-PeCB	32.93	1.88E+05	0.59 Y	0.93	0.89	-5.1%	
PCB-122 2'33'45-PeCB	33.39	1.85E+05	0.61 Y	0.91	0.90	-0.8%	
PCB-127 33'455'-PeCB	35.33	1.78E+05	0.68 Y	1.01	0.91	-10.5%	
PCB-155 22'44'66'-HxCB	28.72	2.72E+05	1.22 Y	1.04	0.99	-4.2%	
PCB-152 22'3566'-HxCB	28.87	2.52E+05	1.30 Y	0.99	0.92	-6.8%	
PCB-150 22'34'66'-HxCB	29.02	2.60E+05	1.19 Y	0.97	0.95	-2.0%	
PCB-136 22'33'66'-HxCB	29.31	2.30E+05	1.37 Y	0.91	0.84	-7.3%	
PCB-145 22'3466'HxCB	29.58	2.54E+05	1.28 Y	0.93	0.93	-0.1%	
PCB-148 22'34'56'-HxCB	30.86	1.87E+05	1.26 Y	0.94	0.85	-9.6%	
PCB-151/135 22'355'6-/22'33'	31.37	3.70E+05	1.13 Y	0.91	0.84	-6.7%	
PCB-154 22'44'5'6-HxCB	31.57	2.31E+05	1.33 Y	1.05	1.05	-0.1%	
PCB-144 22'345'6-HxCB	31.83	1.82E+05	1.10 Y	0.92	0.83	-9.8%	
PCB-147/149 22'34'56-/22'34'	32.13	3.87E+05	1.11 Y	0.94	0.88	-5.9%	
PCB-134 22'33'56-HxCB	32.30	1.39E+05	0.95 N	0.72	0.63	-11.9%	
PCB-143 22'3456'-HxCB	32.39	1.70E+05	1.18 Y	0.88	0.78	-12.0%	
PCB-139/140 22'344'6-/22'344'	32.64	3.92E+05	1.22 Y	0.93	0.89	-4.2%	
PCB-131 22'33'46-HxCB	32.81	1.68E+05	1.26 Y	0.82	0.77	-6.6%	
PCB-142 22'3456-HxCB	32.95	1.83E+05	1.26 Y	0.84	0.84	0.1%	
PCB-132 22'33'46'-HxCB	33.19	1.87E+05	1.27 Y	0.84	0.85	1.3%	
PCB-133 22'33'55'-HxCB	33.61	1.63E+05	1.02 N	0.86	0.74	-13.4%	
PCB-165 233'55'6-HxCB	33.95	2.15E+05	1.08 Y	1.04	0.98	-6.1%	
PCB-146 22'34'55'-HxCB	34.15	1.98E+05	1.08 Y	0.92	0.90	-1.6%	
PCB-161 233'45'6-HxCB	34.27	2.54E+05	1.24 Y	1.20	1.16	-3.7%	
PCB-153/168 22'44'55'-/23'44'	34.70	4.61E+05	1.30 Y	1.12	1.05	-6.0%	
PCB-141 22'3455'-HxCB	34.84	1.91E+05	1.19 Y	0.87	0.87	0.5%	
PCB-130 22'33'45'-HxCB	35.18	1.66E+05	1.33 Y	0.78	0.76	-3.1%	
PCB-137 22'344'5-HxCB	35.38	2.13E+05	1.11 Y	0.96	0.97	1.0%	
PCB-164 233'4'5'6-HxCB	35.46	2.19E+05	1.25 Y	1.14	1.00	-12.6%	
PCB-163/138/129 233'4'56-/22'	35.74	5.73E+05	1.24 Y	0.95	0.87	-8.7%	
PCB-160 233'456-HxCB	35.87	2.37E+05	1.31 Y	1.12	1.08	-3.8%	
PCB-158 233'44'6-HxCB	36.06	2.51E+05	1.21 Y	1.25	1.14	-8.5%	
PCB-128/166 22'33'44'-/2344'5	36.78	3.50E+05	1.29 Y	0.98	0.95	-3.8%	
PCB-159 233'455'-HxCB	37.61	2.02E+05	1.32 Y	1.14	1.09	-4.4%	
PCB-162 233'4'55'-HxCB	37.84	1.92E+05	1.16 Y	1.13	1.04	-8.5%	
PCB-188 22'34'566'-HpCB	33.55	2.76E+05	1.05 Y	0.94	0.91	-3.2%	
PCB-179 22'33'566'-HpCB	33.82	2.20E+05	0.81 N	0.81	0.73	-10.2%	
PCB-184 22'344'66'-HpCB	34.28	2.62E+05	1.01 Y	0.85	0.87	1.7%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:14		
Lab ID:	CS0_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 19:34						
Datafile:	120125V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	2.83E+05	1.09 Y	0.93	0.94	0.6%	
PCB-186 22'34566'-HpCB	34.96	2.63E+05	1.18 Y	0.88	0.87	-0.7%	
PCB-178 22'33'55'6'-HpCB	36.10	1.99E+05	1.02 Y	0.66	0.66	-0.7%	
PCB-175 22'33'45'6'-HpCB	36.63	1.49E+05	0.95 Y	0.81	0.73	-10.7%	
PCB-187 22'34'55'6'-HpCB	36.86	1.84E+05	1.00 Y	0.89	0.90	0.4%	
PCB-182 22'344'56'-HpCB	37.04	1.80E+05	0.97 Y	0.89	0.88	-1.0%	
PCB-183 22'344'5'6'-HpCB	37.38	1.87E+05	1.04 Y	0.91	0.91	0.7%	
PCB-185 22'3455'6'-HpCB	37.46	1.67E+05	0.90 Y	0.87	0.82	-6.0%	
PCB-174 22'33'456'-HpCB	37.57	1.48E+05	1.17 Y	0.76	0.72	-5.7%	
PCB-177 22'33'4'56'-HpCB	37.94	1.59E+05	1.00 Y	0.75	0.77	3.0%	
PCB-181 22'344'56'-HpCB	38.28	1.78E+05	1.04 Y	0.87	0.87	-0.7%	
PCB-171/173 22'33'44'6'-/22'3	38.47	3.10E+05	1.01 Y	0.76	0.76	-1.0%	
PCB-172 22'33'455'-HpCB	39.82	1.54E+05	1.18 Y	0.76	0.75	-1.7%	
PCB-192 233'455'6'-HpCB	40.07	2.01E+05	1.02 Y	1.02	0.98	-4.1%	
PCB-180/193 22'344'55'-/233'	40.35	3.79E+05	1.04 Y	0.97	0.92	-4.3%	
PCB-191 233'44'5'6'-HpCB	40.67	1.95E+05	1.26 N	1.05	0.95	-9.7%	
PCB-170 22'33'44'5'-HpCB	41.43	1.75E+05	1.11 Y	0.99	1.05	6.3%	
PCB-190 233'44'56'-HpCB	41.87	2.33E+05	1.00 Y	1.37	1.39	2.0%	
PCB-202 22'33'55'66'-OcCB	38.05	1.97E+05	0.86 Y	0.86	0.81	-5.5%	
PCB-201 22'33'45'66'-OcCB	38.82	2.25E+05	0.89 Y	0.96	0.93	-3.3%	
PCB-204 22'344'566'-OcCB	39.40	2.22E+05	0.90 Y	0.93	0.91	-1.2%	
PCB-197 22'33'44'66'-OcCB	39.58	2.24E+05	0.98 Y	0.99	0.92	-6.7%	
PCB-200 22'33'4566'-OcCB	39.67	2.11E+05	0.96 Y	0.91	0.87	-4.9%	
PCB-198/199 22'33'455'6'-/22'	42.00	3.32E+05	0.87 Y	0.68	0.68	-0.2%	
PCB-196 22'33'44'56'-OcCB	42.57	1.54E+05	1.04 N	0.69	0.63	-8.4%	
PCB-203 22'344'55'6'-OcCB	42.73	1.79E+05	0.88 Y	0.73	0.74	0.5%	
PCB-195 22'33'44'56'-OcCB	43.84	1.42E+05	0.88 Y	0.92	0.92	-0.1%	
PCB-194 22'33'44'55'-OcCB	45.78	1.45E+05	0.95 Y	0.96	0.93	-2.6%	
PCB-205 233'44'55'6'-OcCB	46.18	1.80E+05	0.99 Y	1.20	1.16	-3.3%	
PCB-208 22'33'455'66'-NoCB	43.64	1.70E+05	0.85 Y	1.01	0.95	-6.0%	
PCB-207 22'33'44'566'-NoCB	44.42	1.76E+05	0.83 Y	1.06	0.97	-7.6%	
PCB-206 22'33'44'55'6'-NoCB	47.63	1.27E+05	0.74 Y	0.95	0.95	-0.7%	

AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

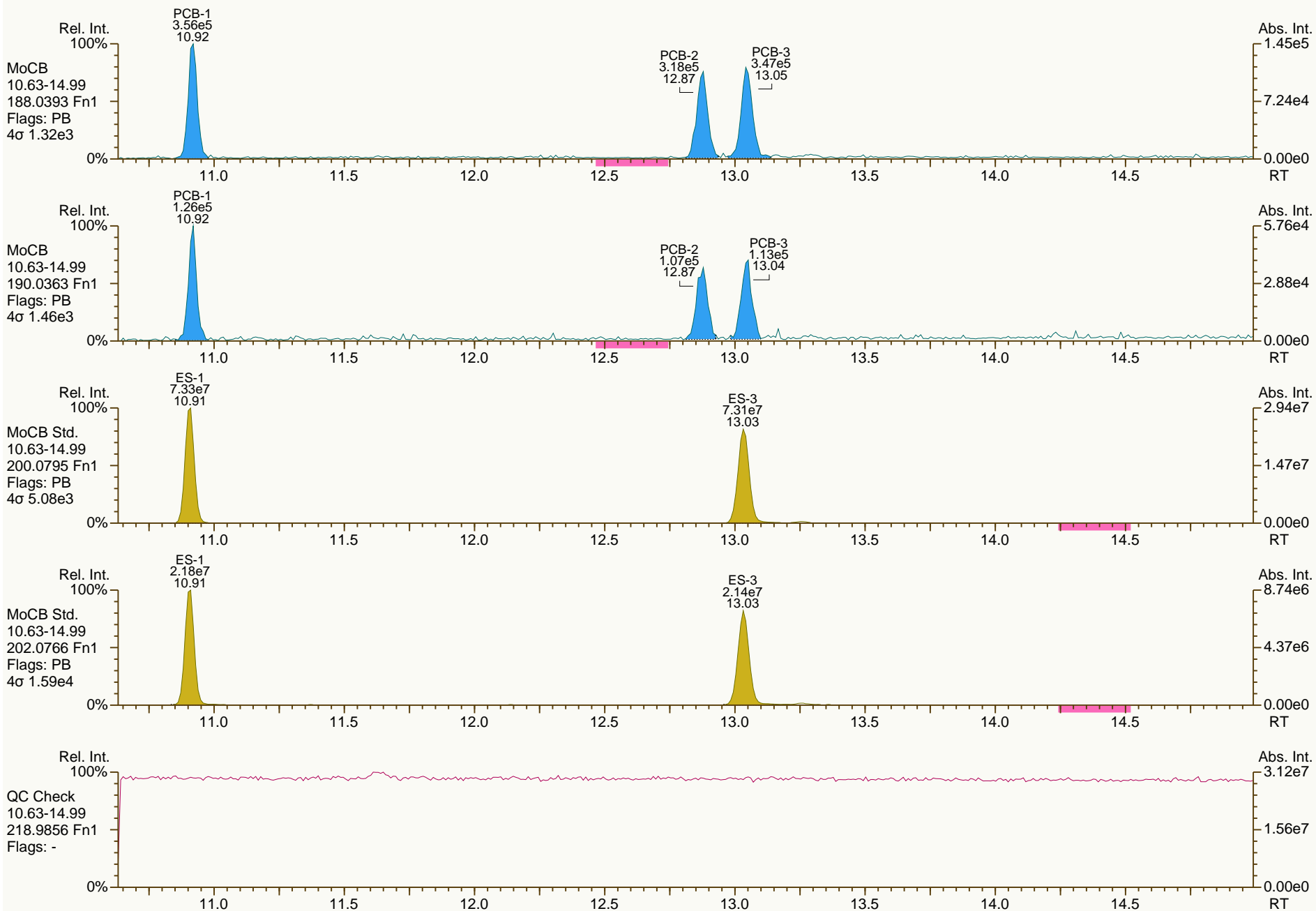
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

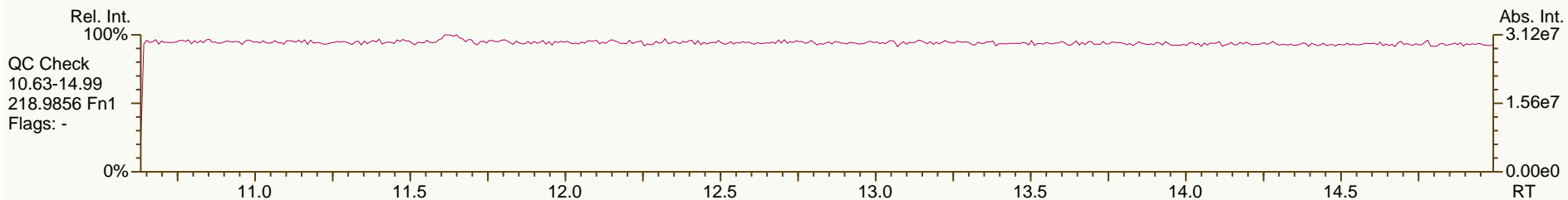
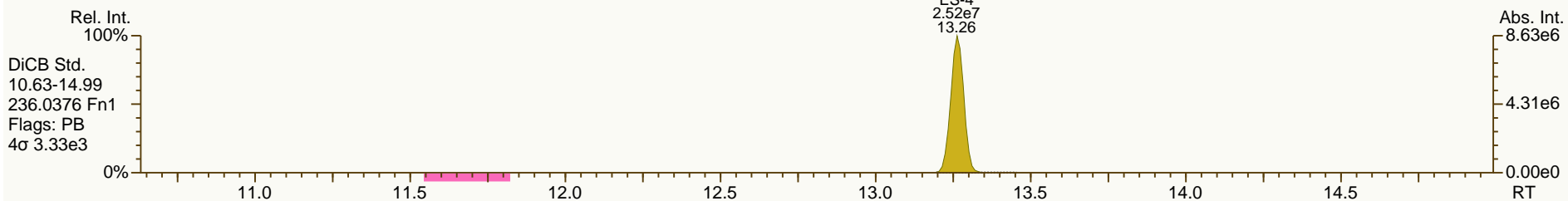
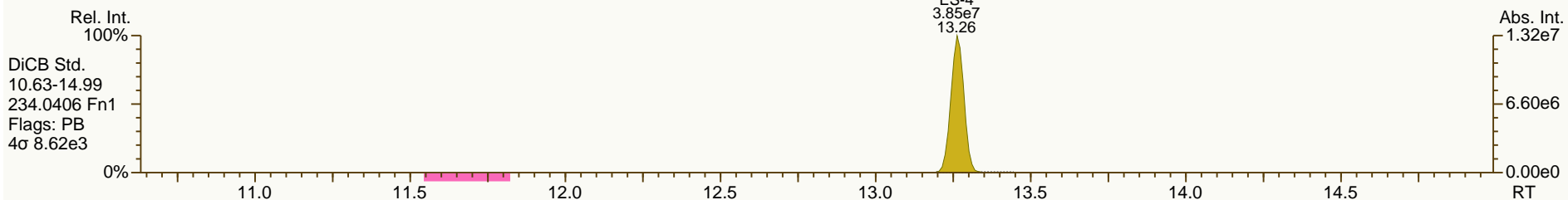
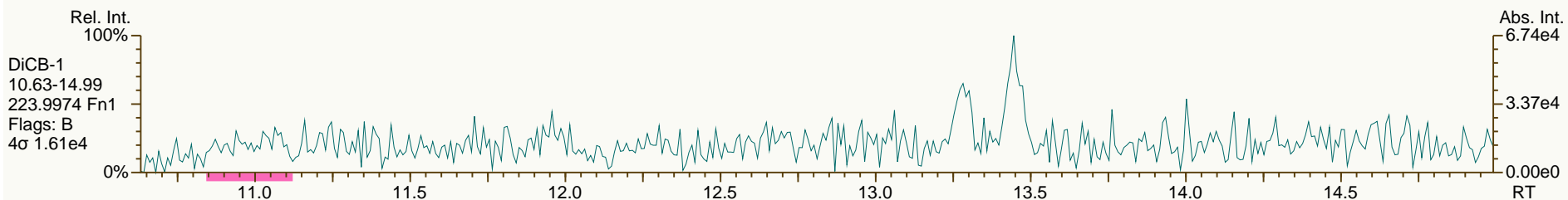
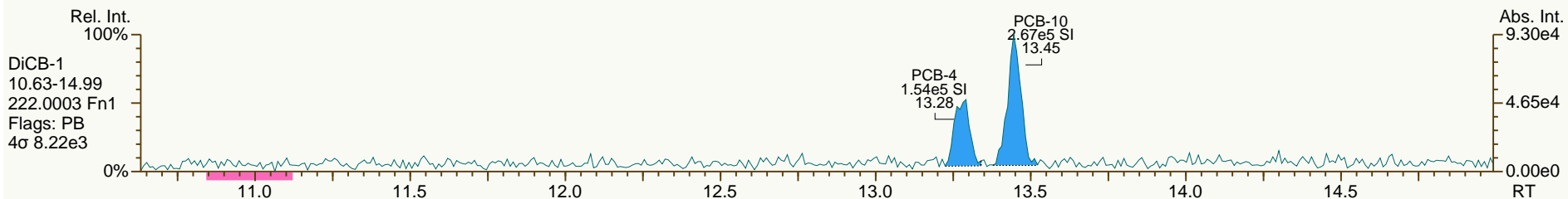
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

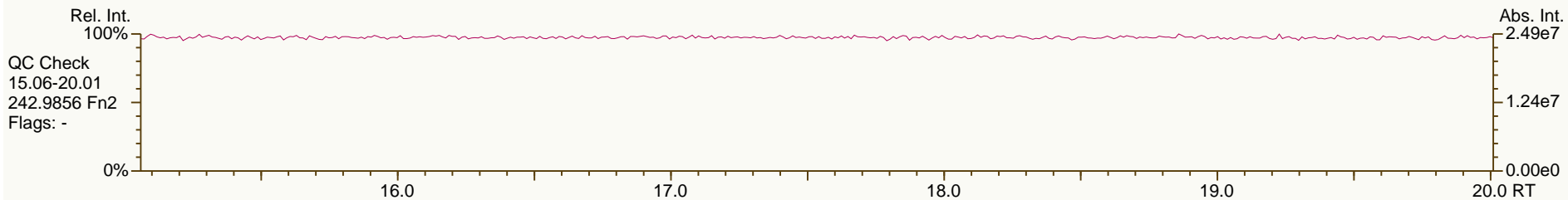
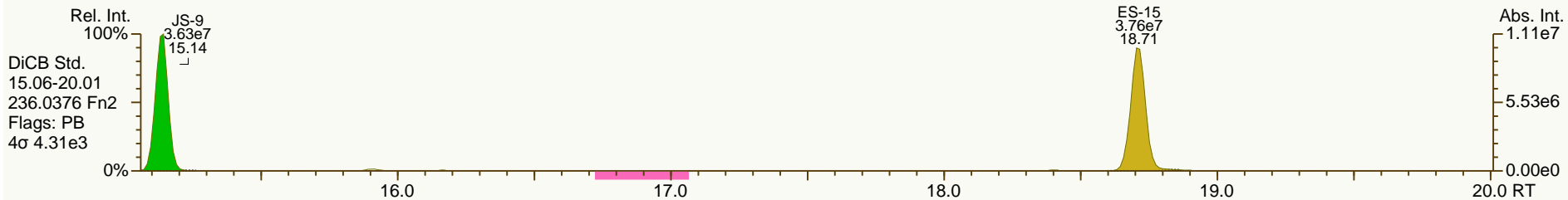
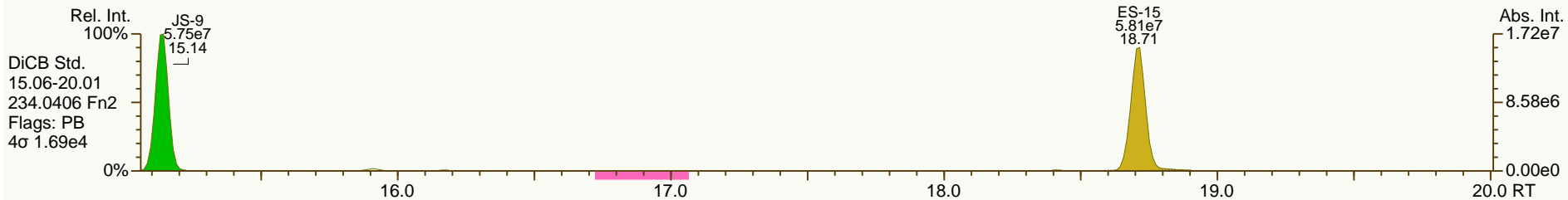
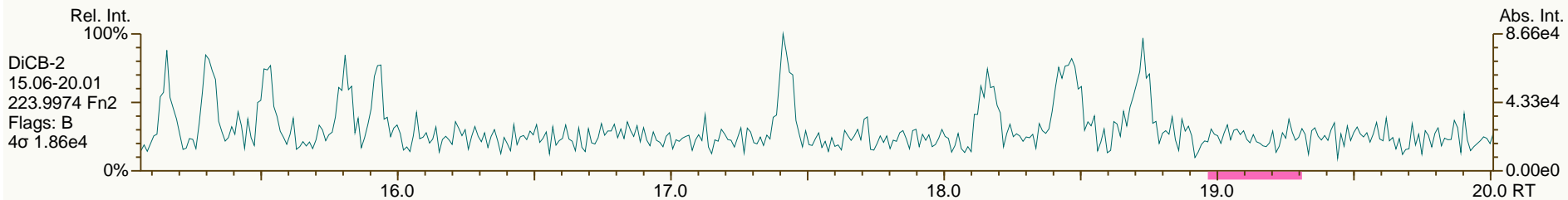
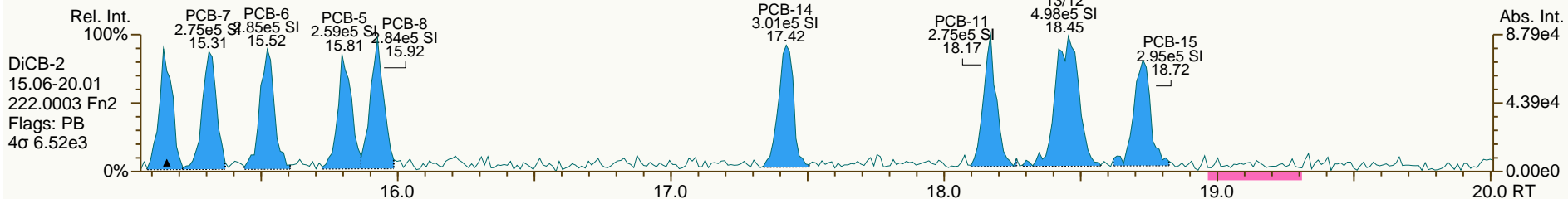
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

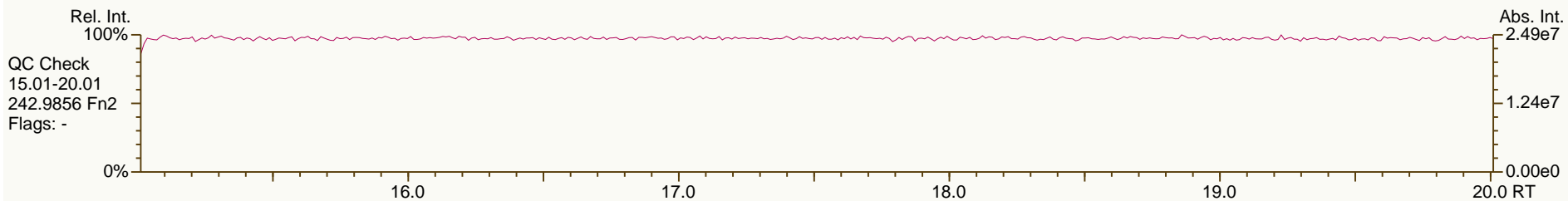
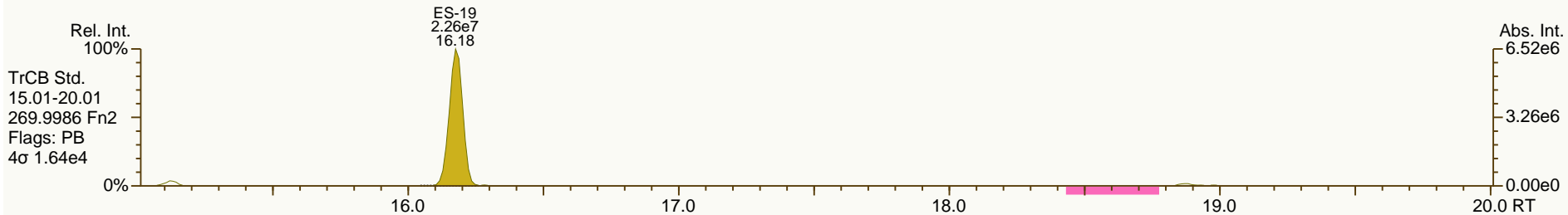
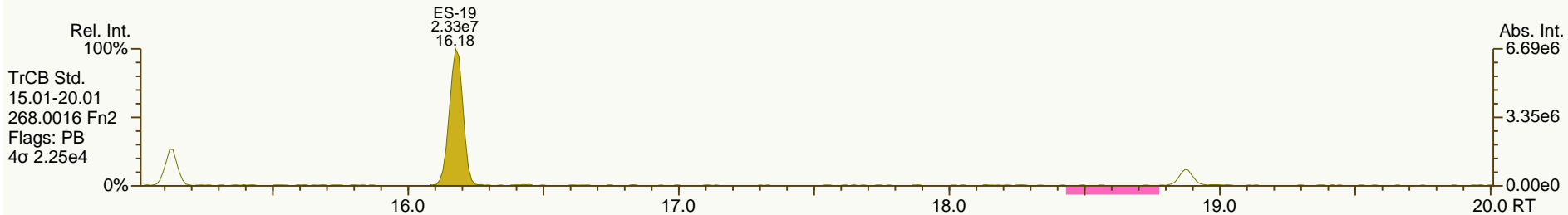
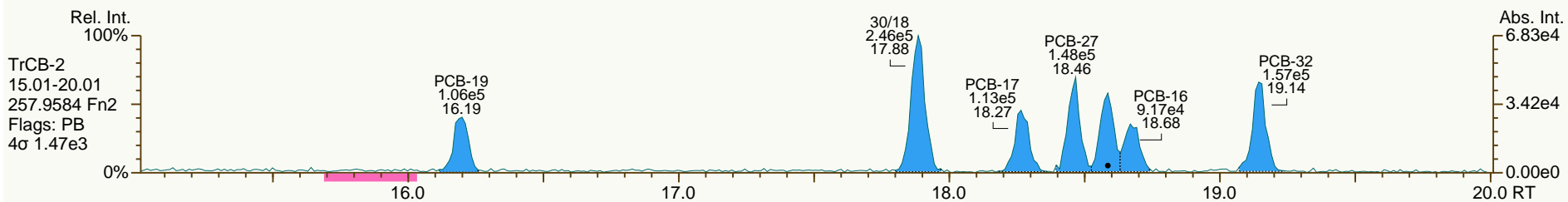
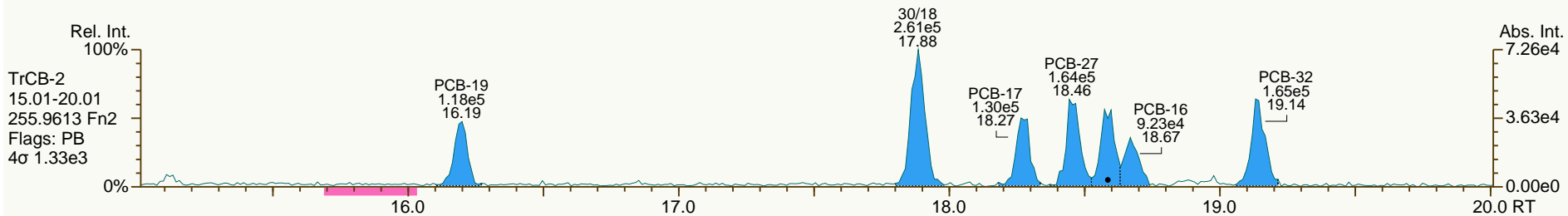
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

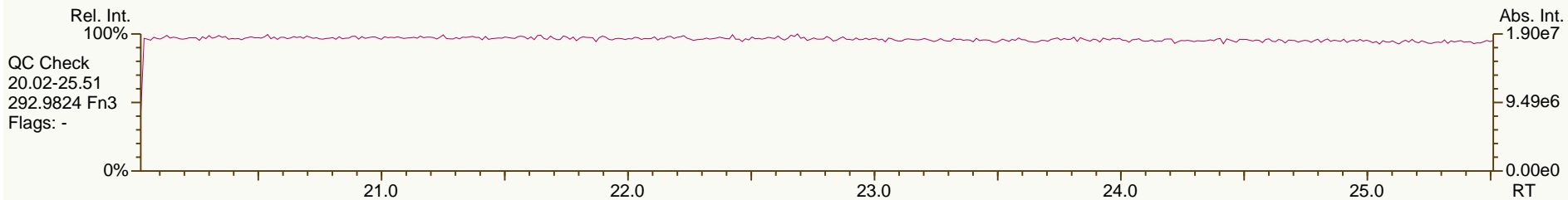
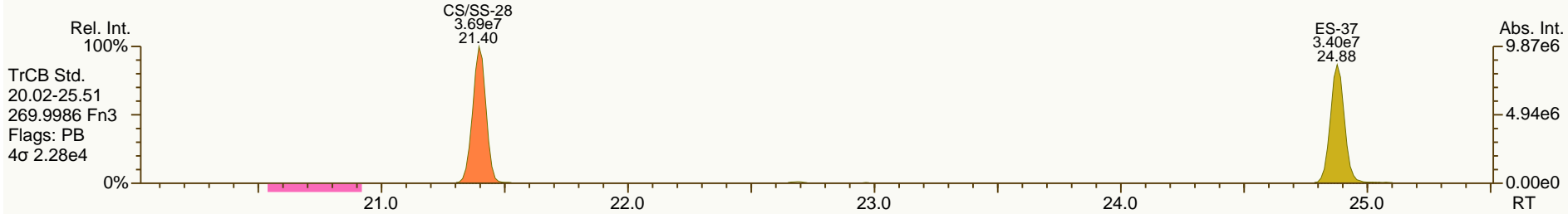
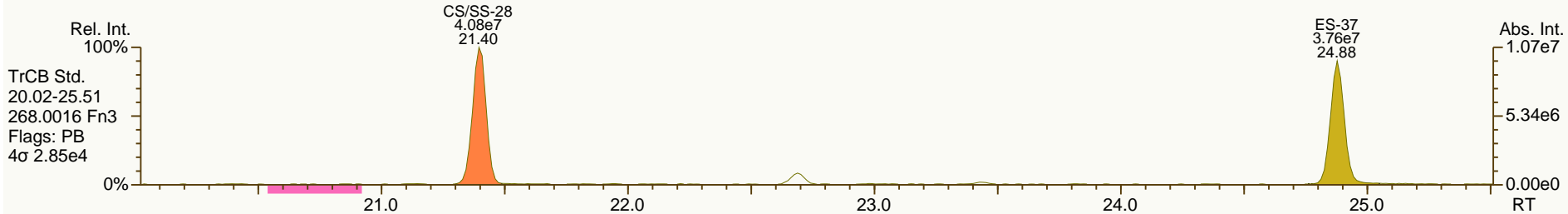
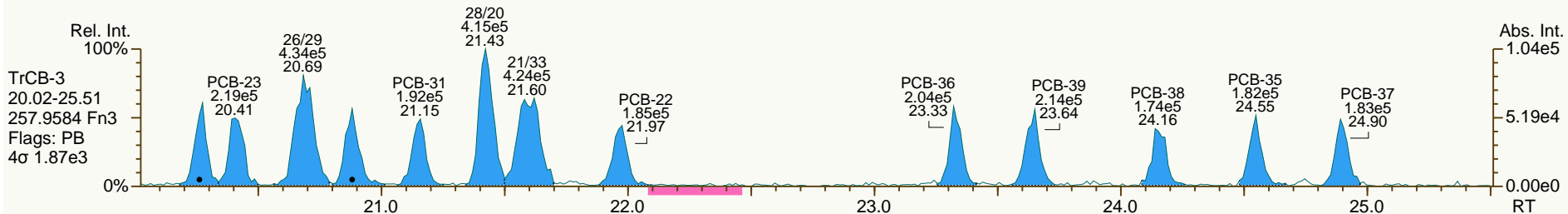
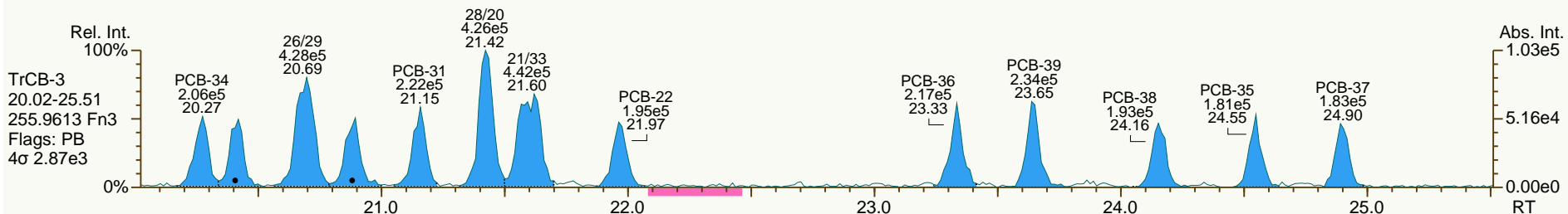
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 25-Jan-2012 19:34:40
 User: CEM Datafile: 120125V08



AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

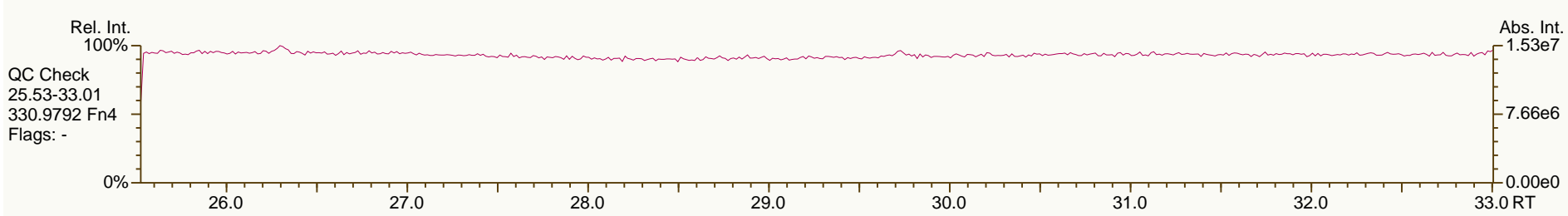
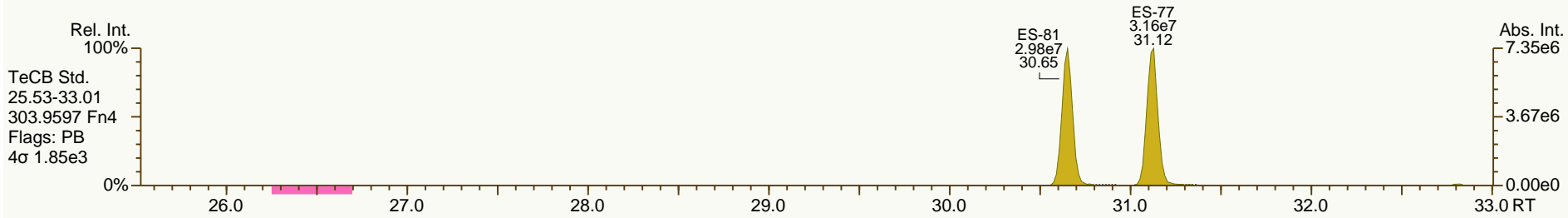
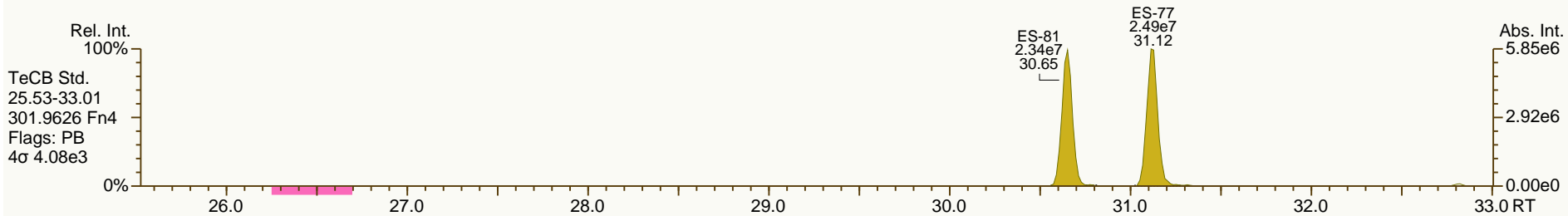
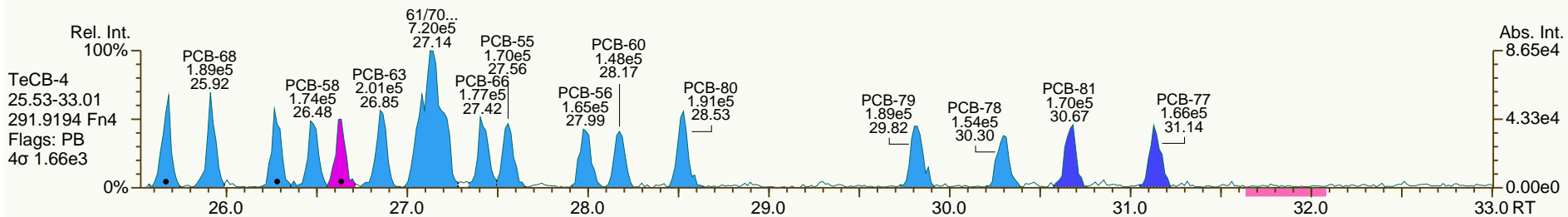
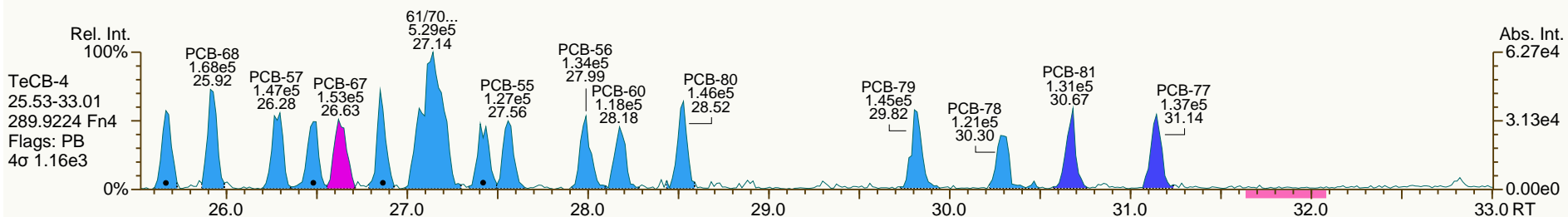
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

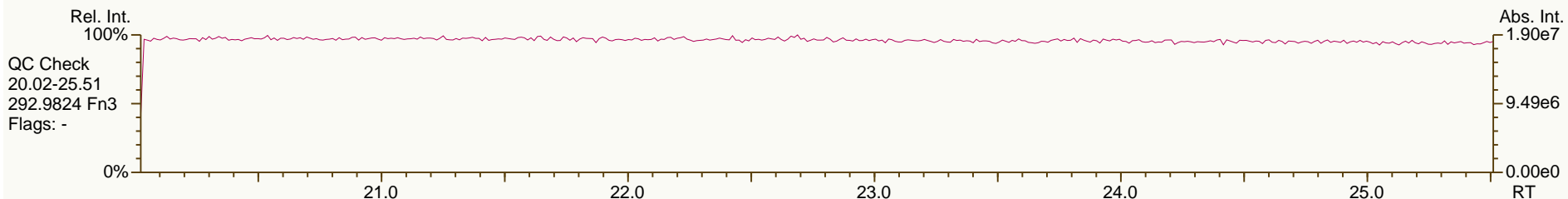
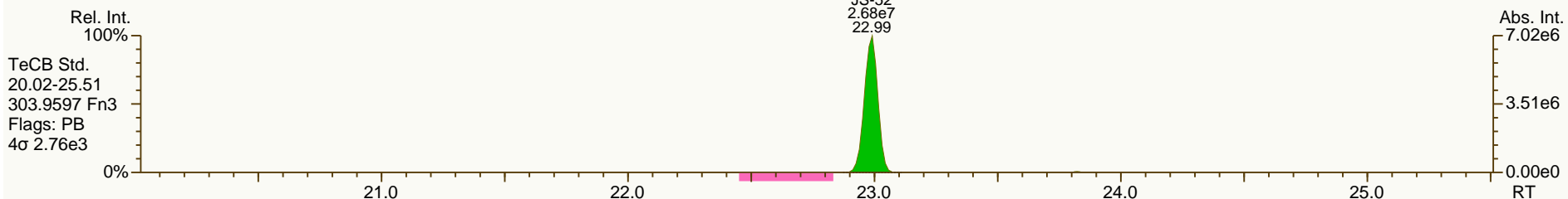
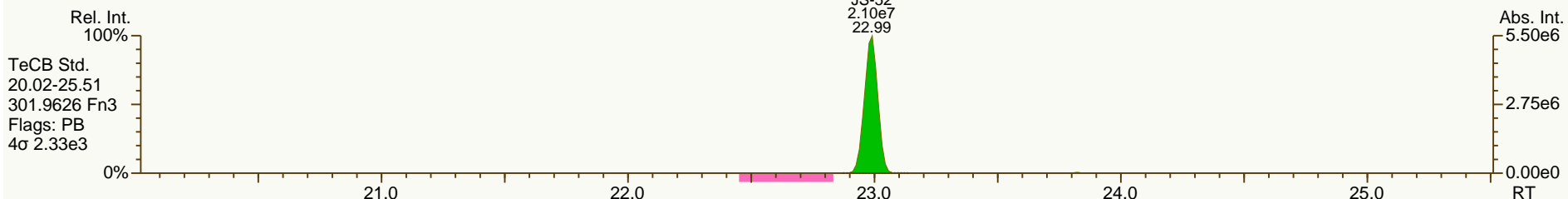
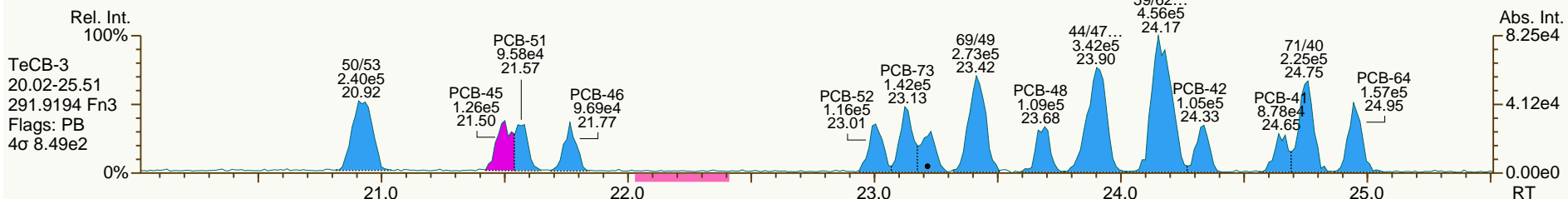
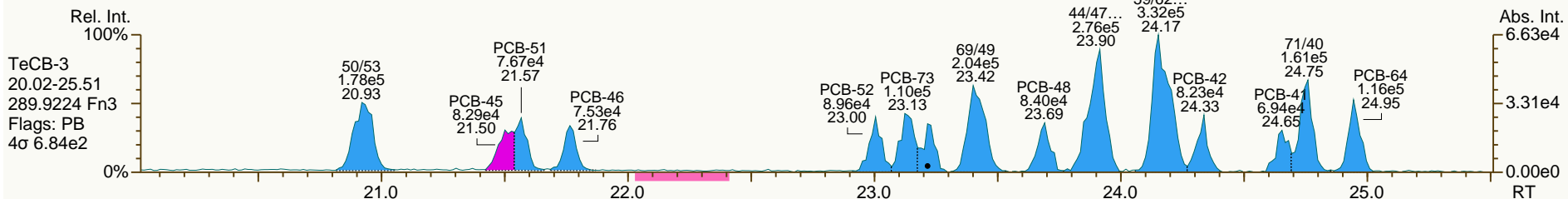
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

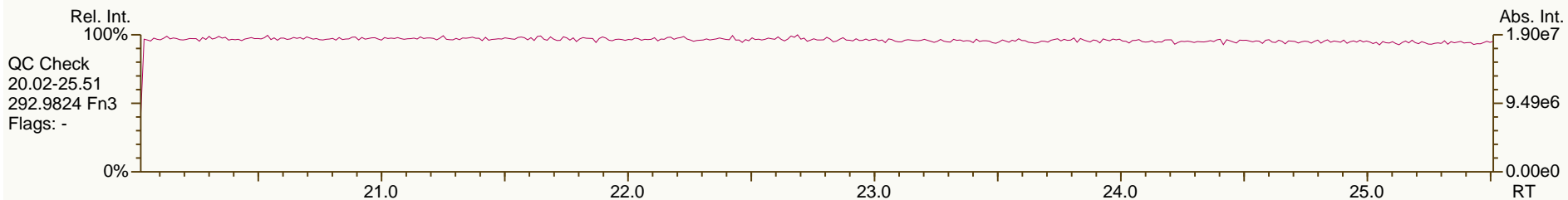
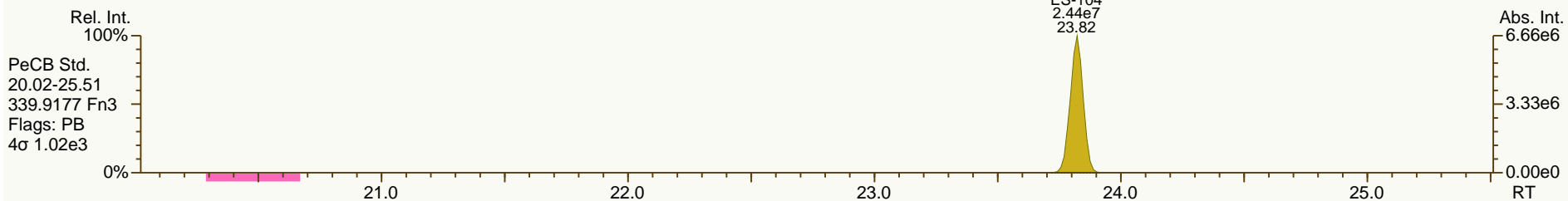
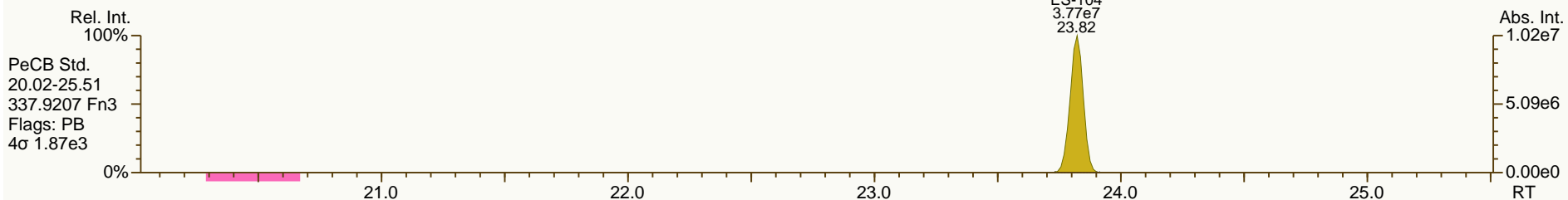
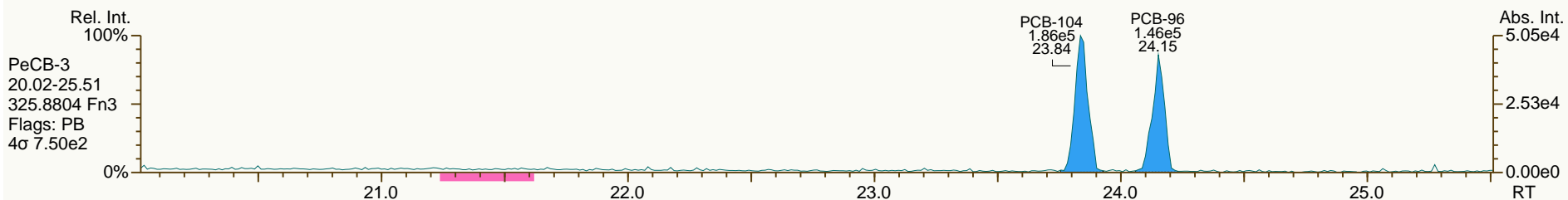
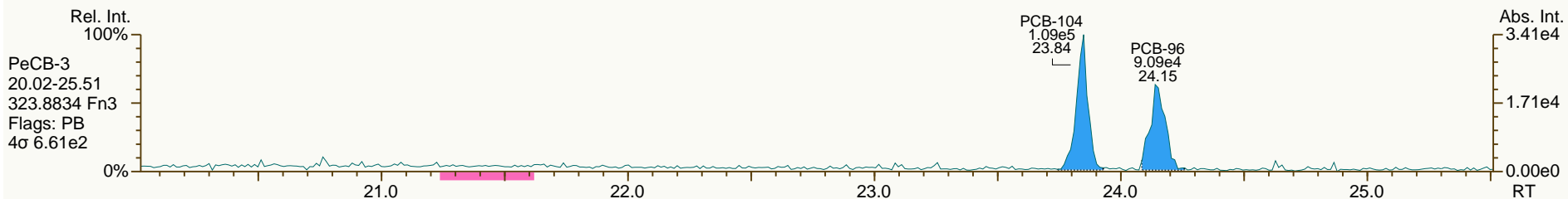
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

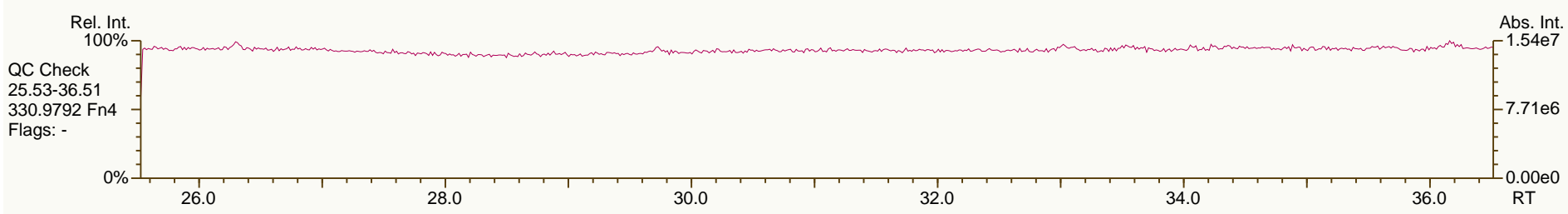
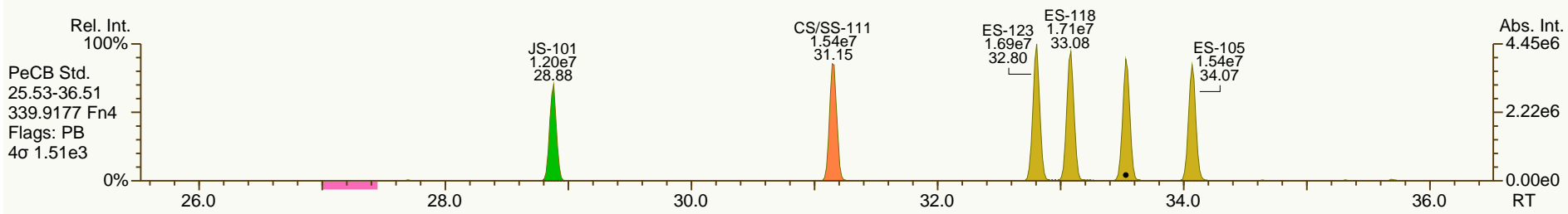
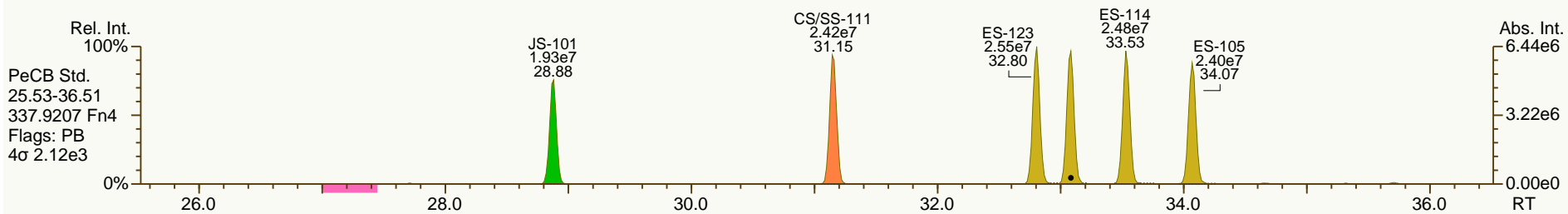
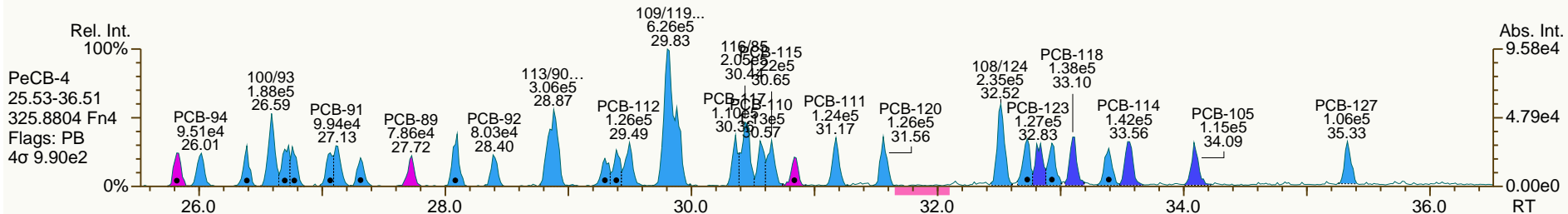
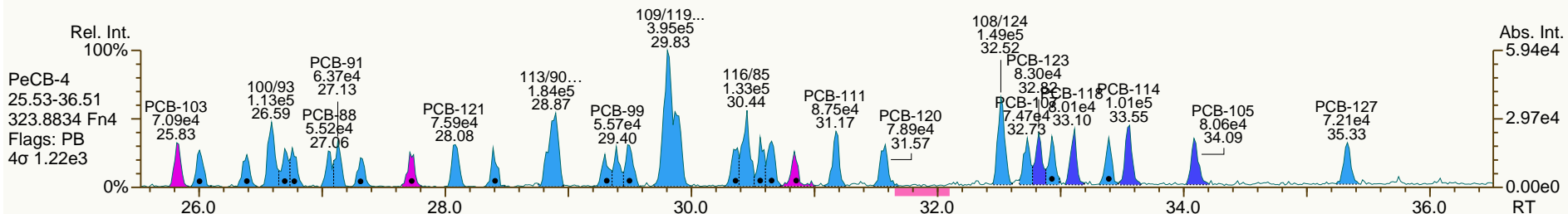
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

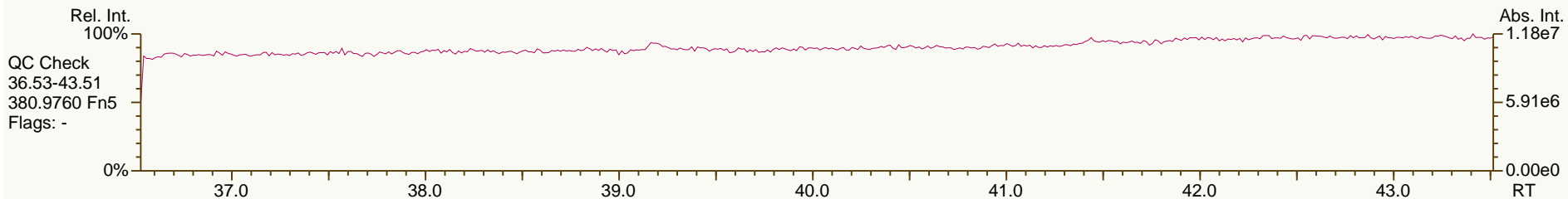
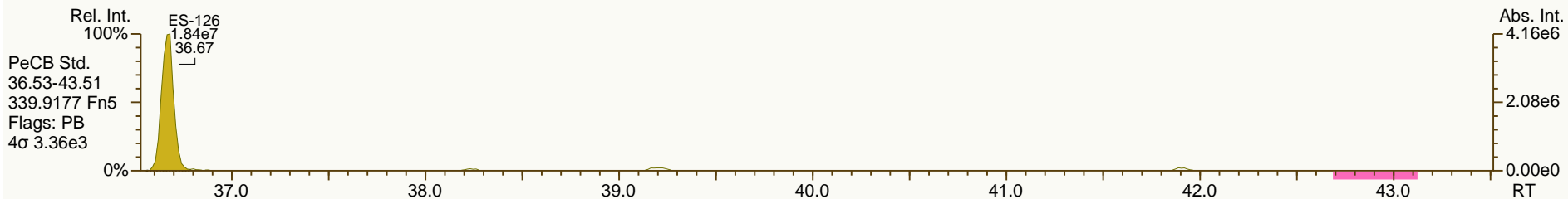
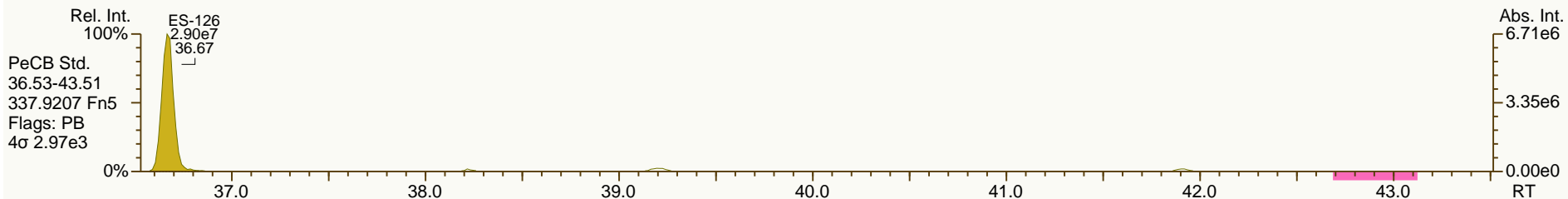
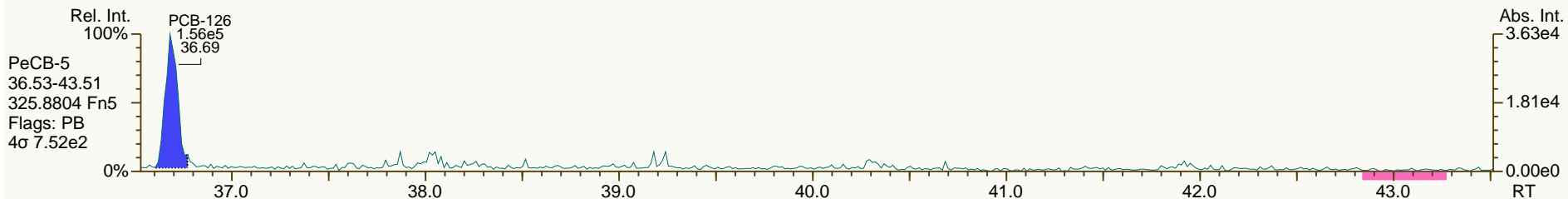
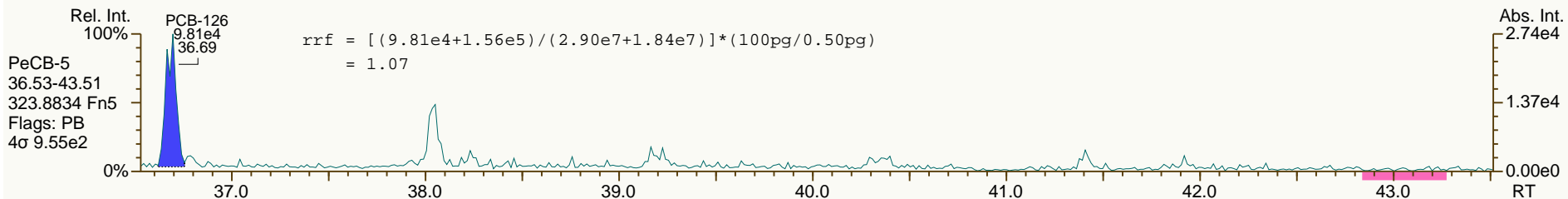
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

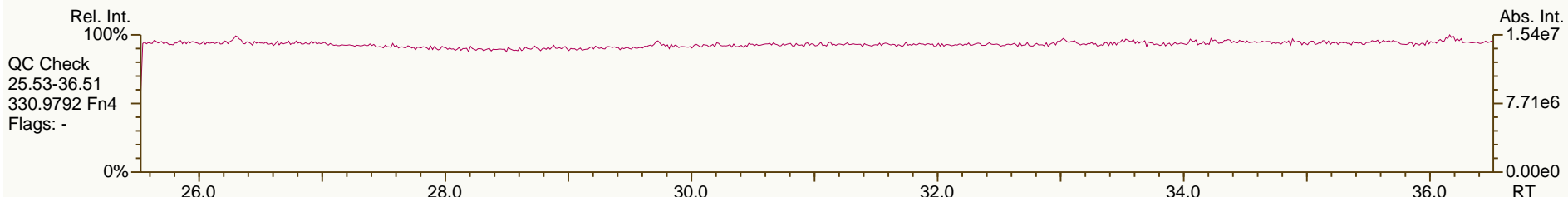
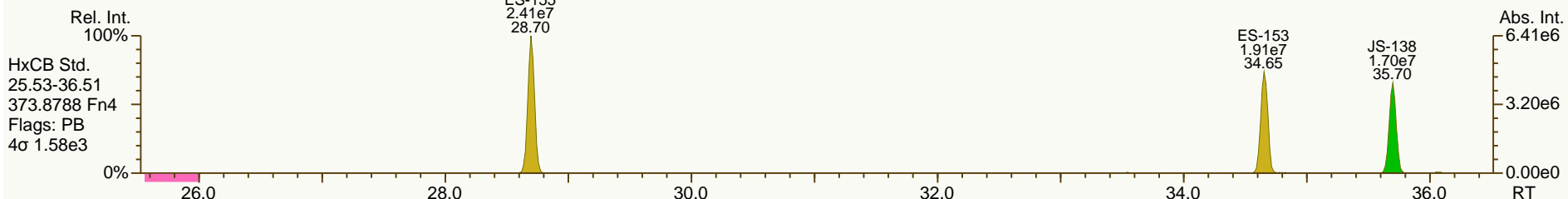
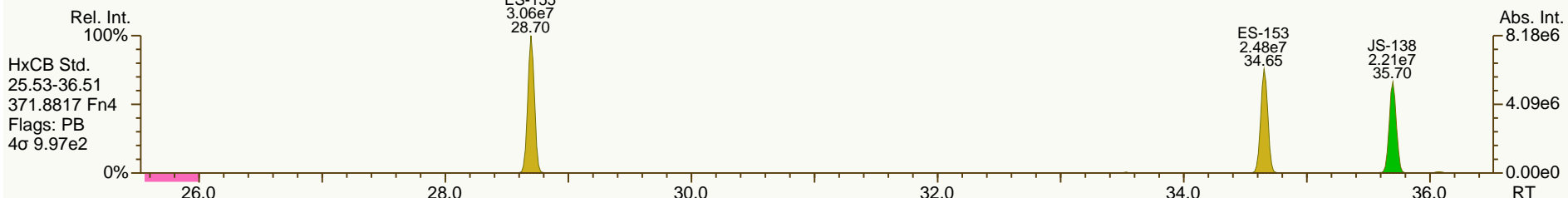
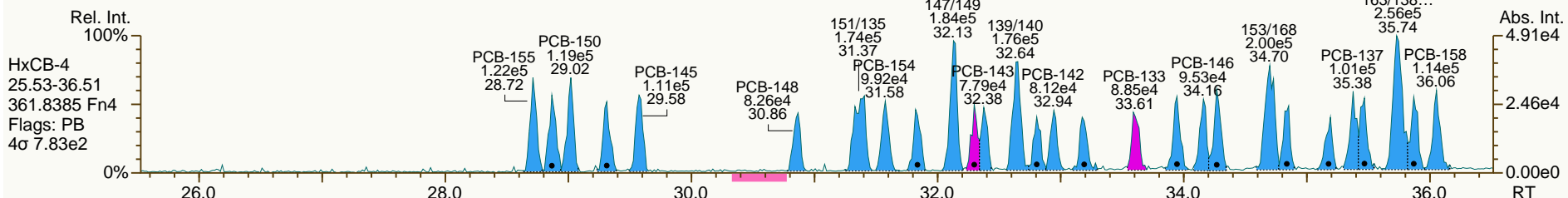
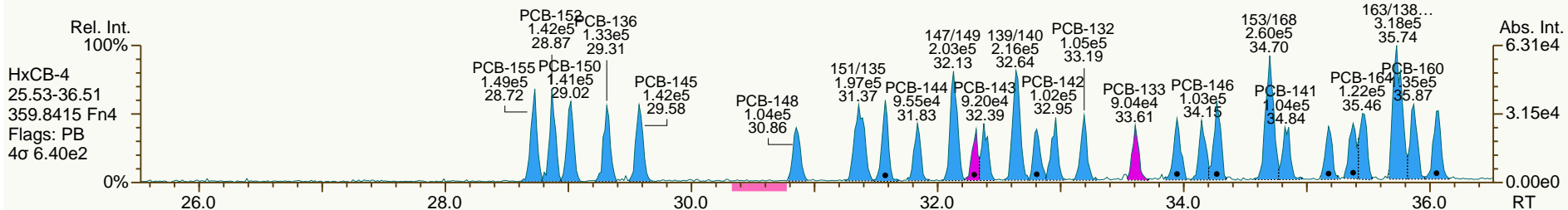
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

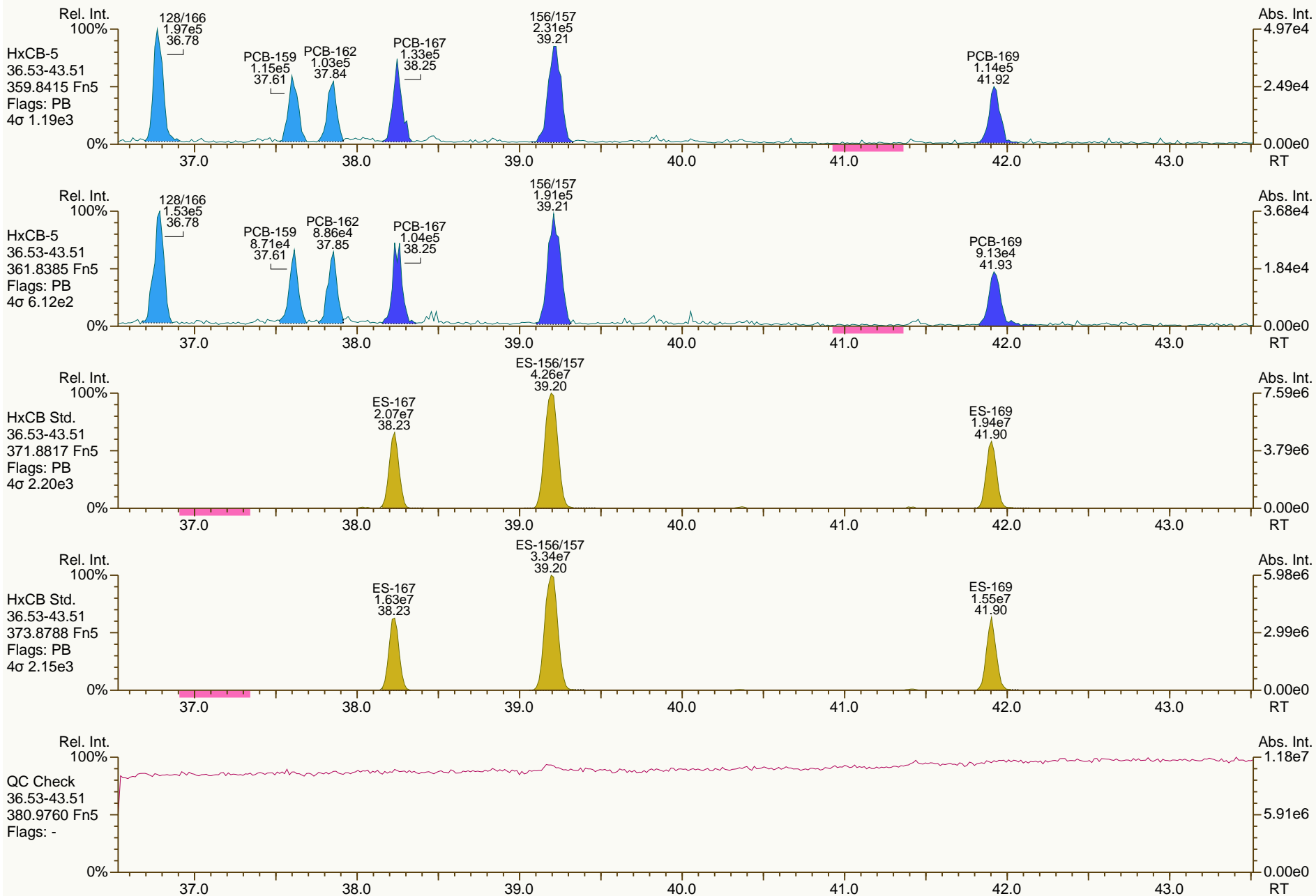
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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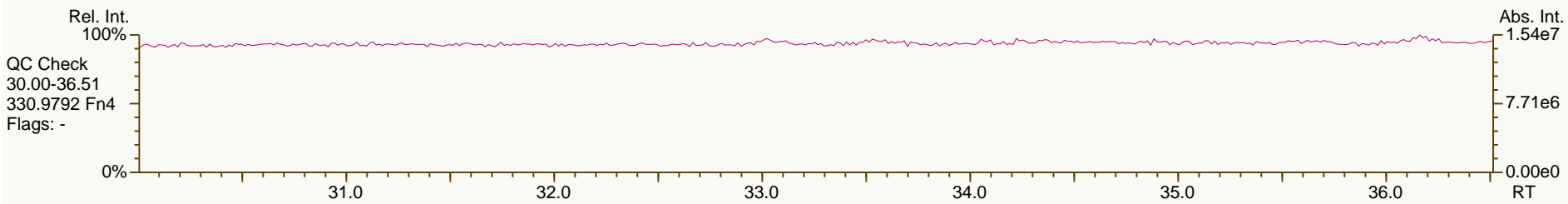
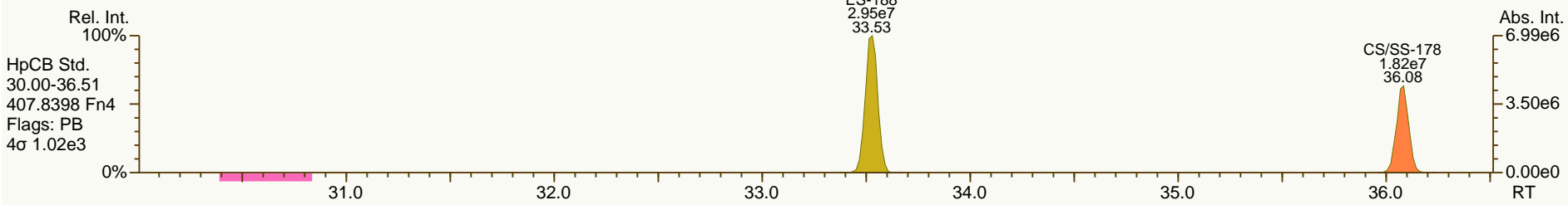
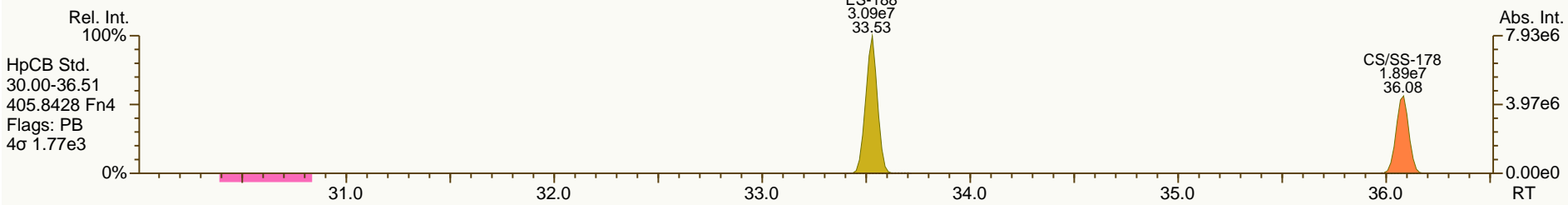
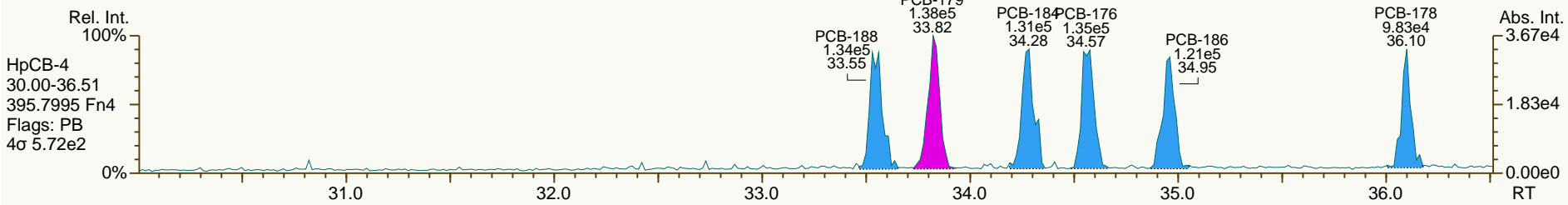
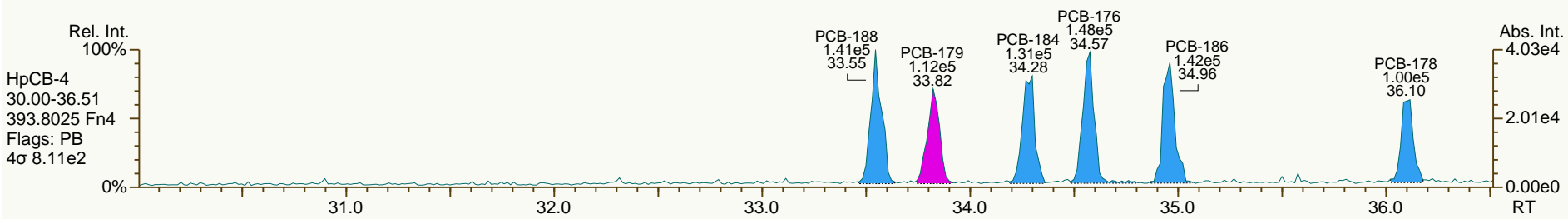
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AP Lab ID: CS0_120125_PCB_VA
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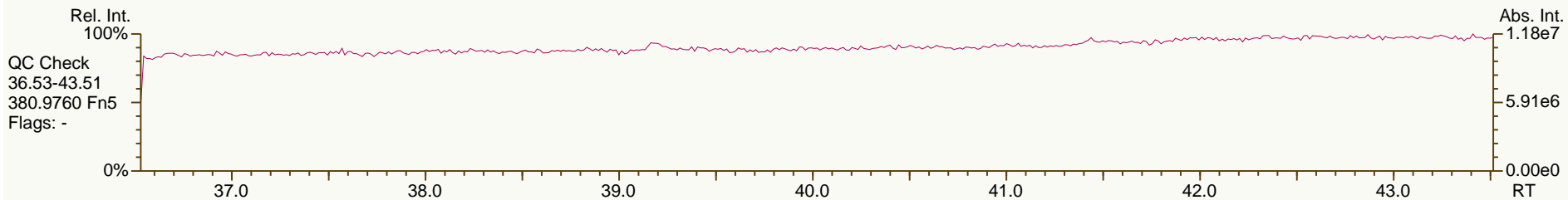
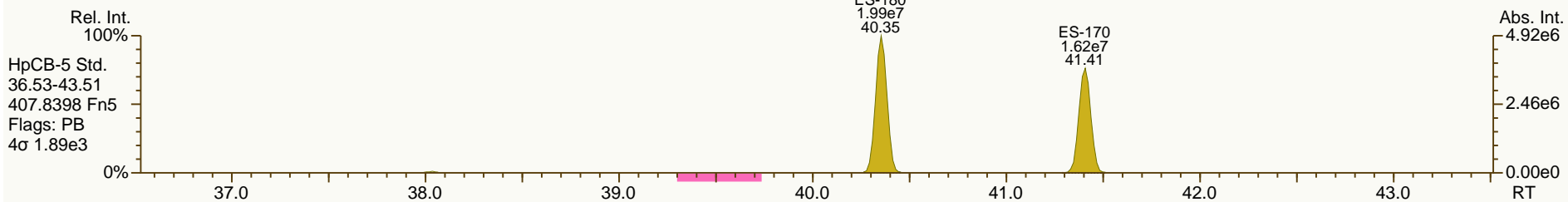
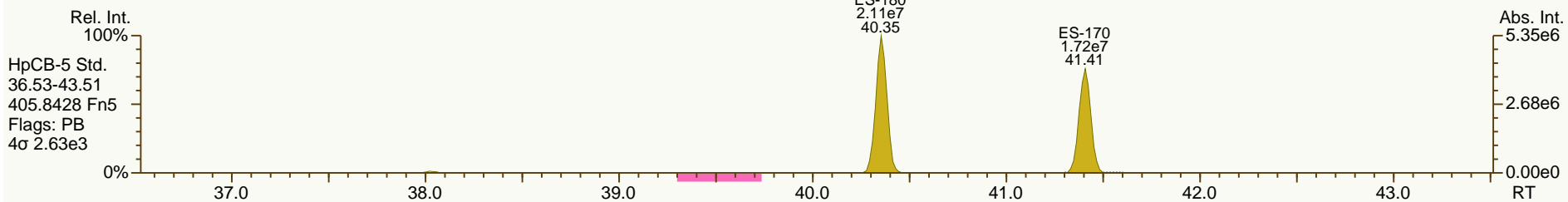
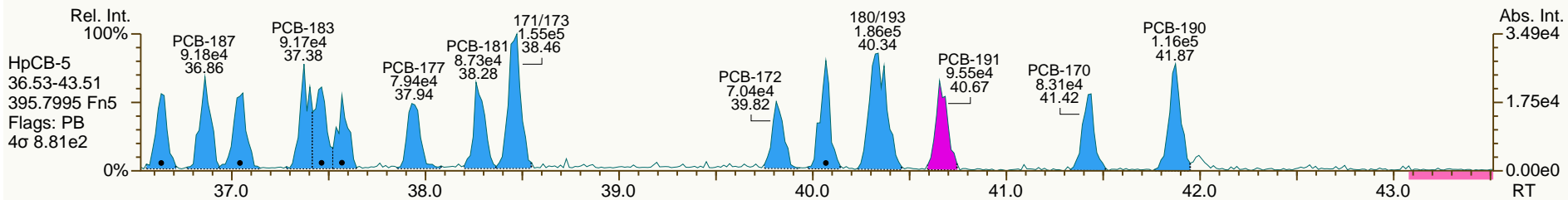
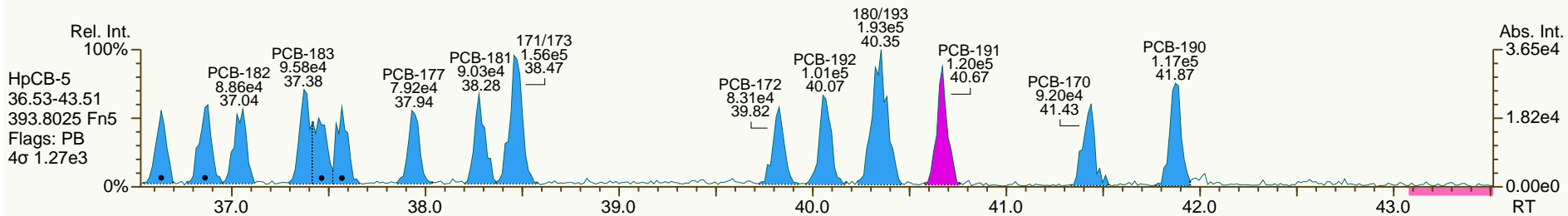
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AP Lab ID: CS0_120125_PCB_VA
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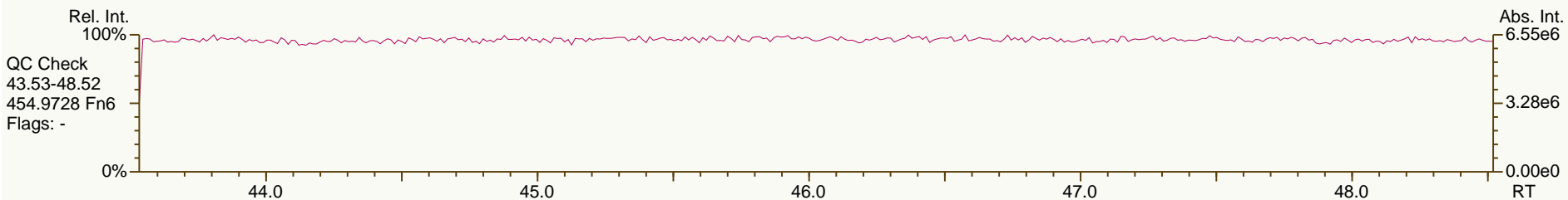
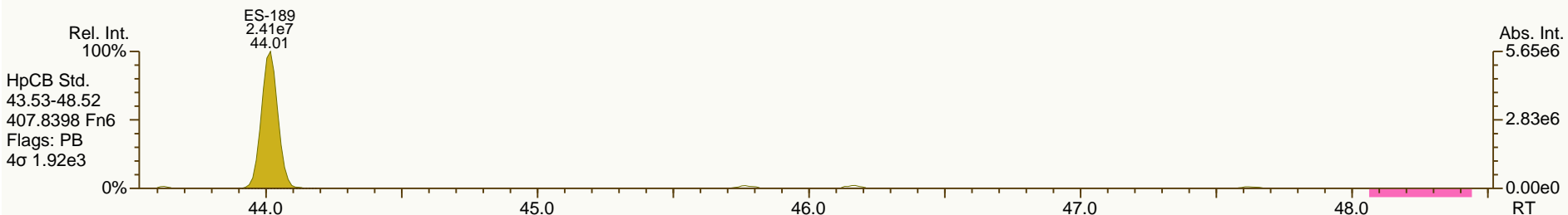
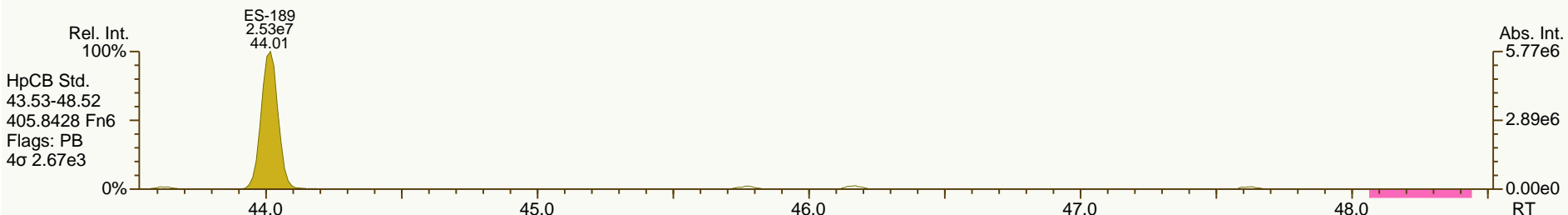
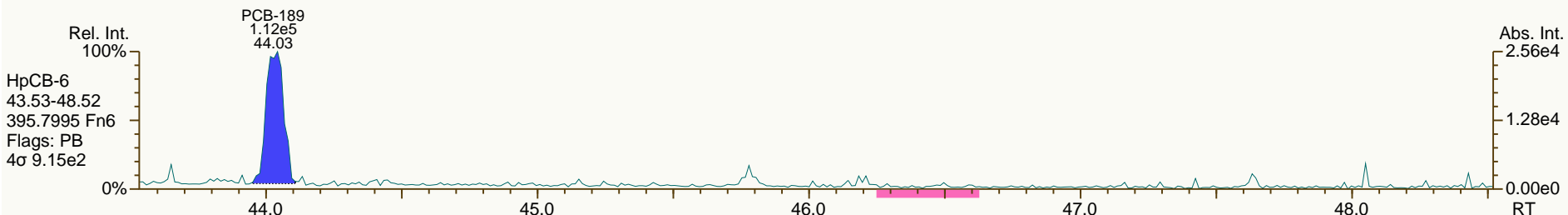
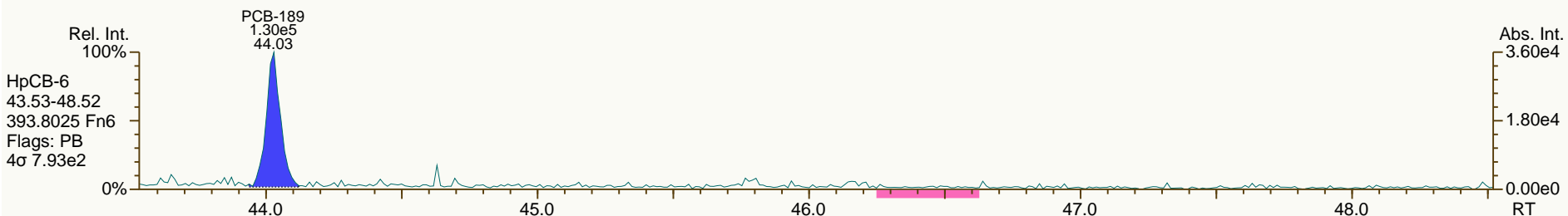
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 25-Jan-2012 19:34:40
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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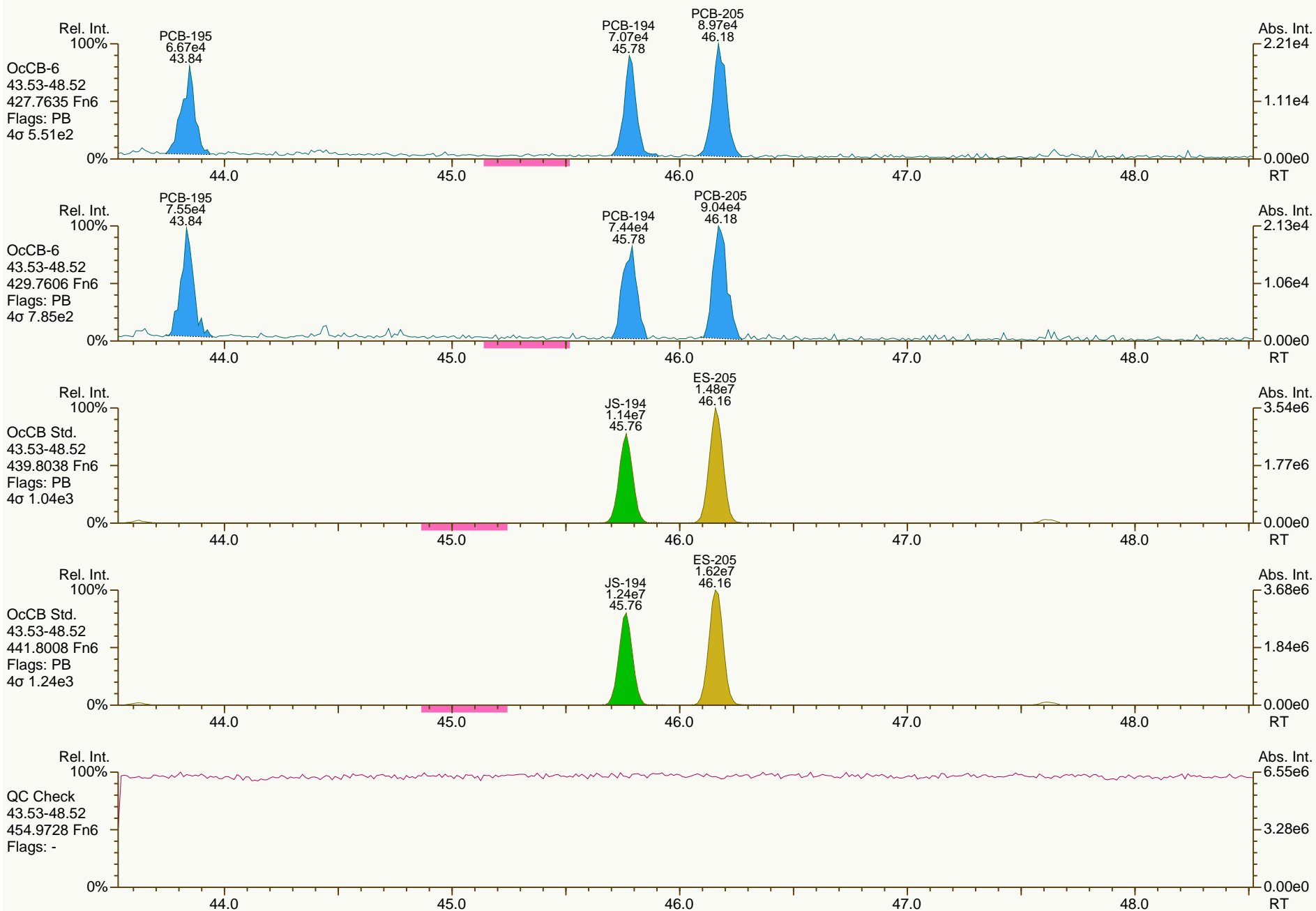
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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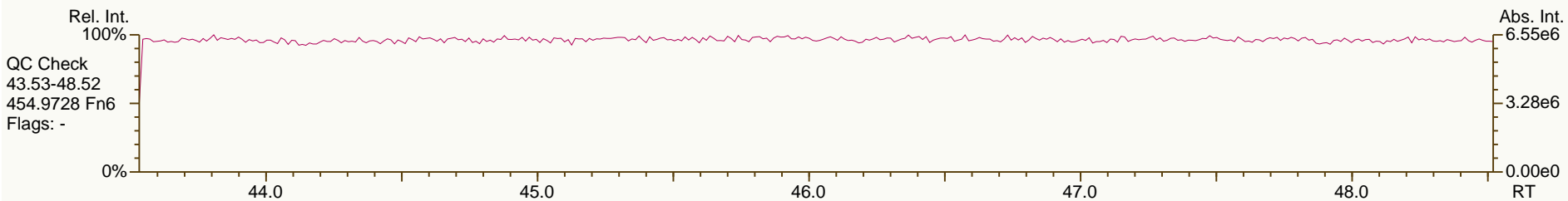
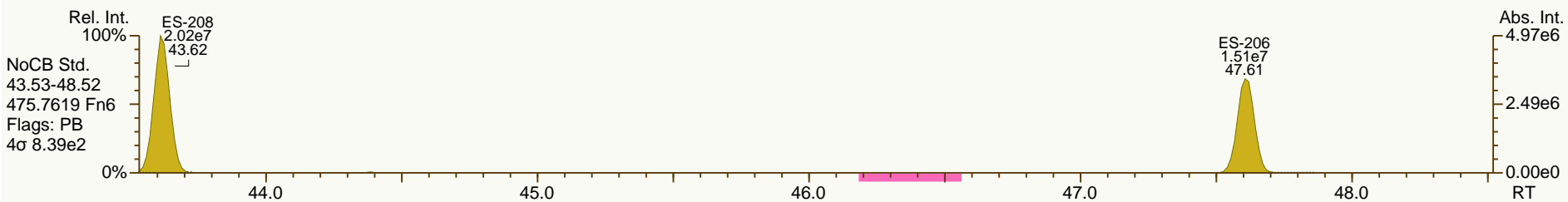
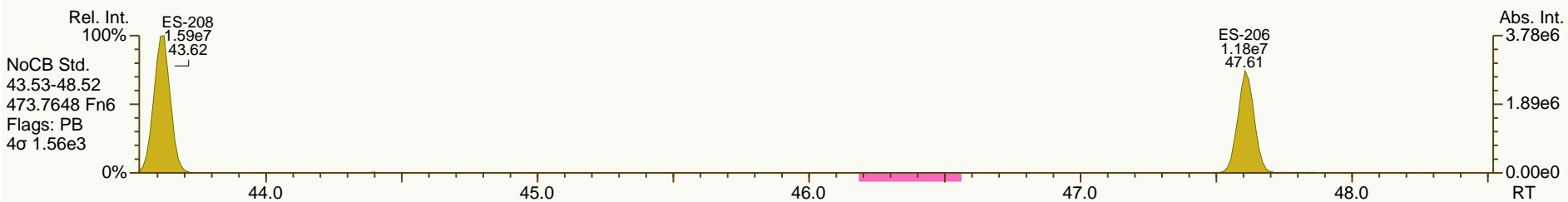
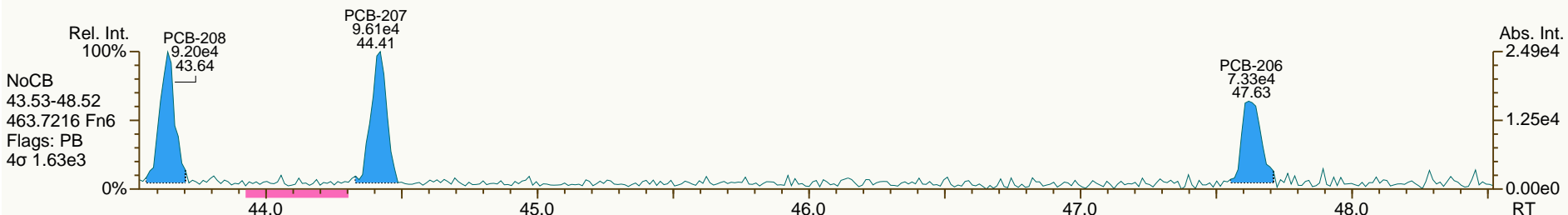
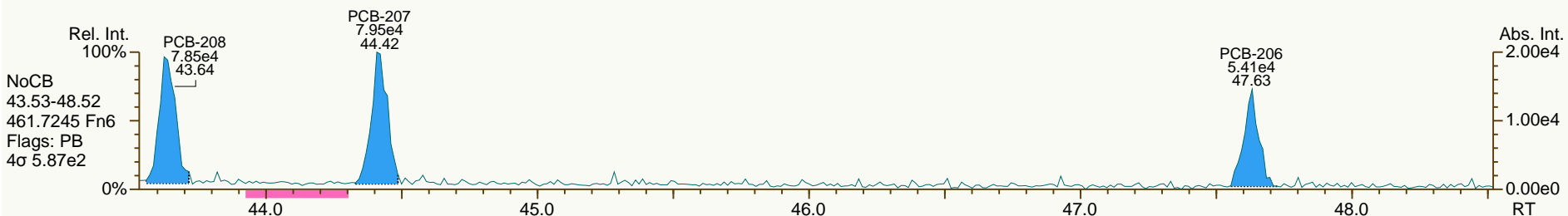
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
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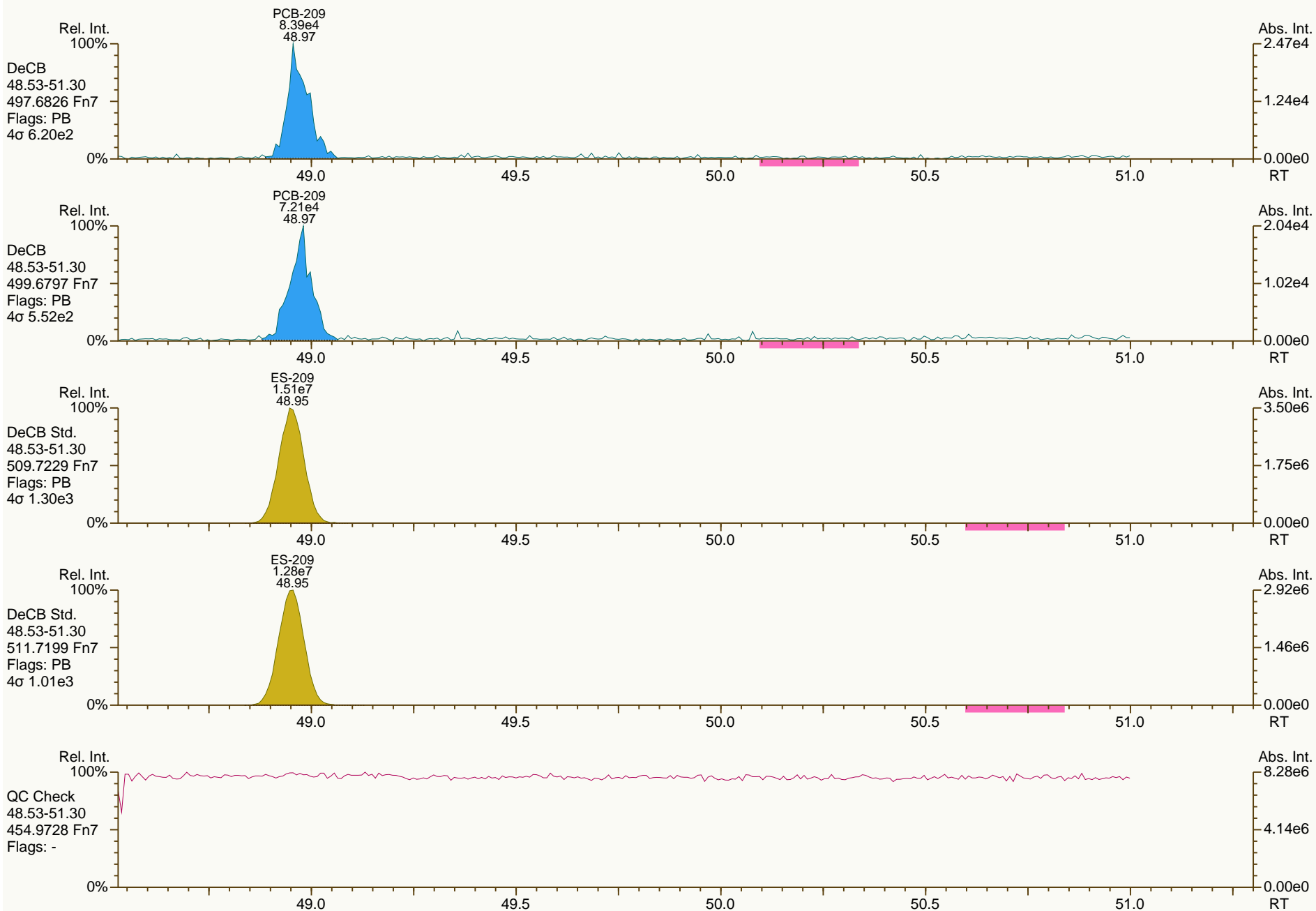
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AP Lab ID: CS0_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 25-Jan-2012 19:34:40
 User: CEM Datafile: 120125V08



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.13	5.44E+05	0.76 Y	1.11	1.11	0.3%	
PCB-81 344'5'-TeCB	30.66	5.06E+05	0.74 Y	1.13	1.10	-2.8%	
PCB-105 233'44'-PeCB	34.08	3.47E+05	0.61 Y	1.05	1.03	-2.3%	
PCB-114 2344'5'-PeCB	33.55	4.05E+05	0.70 Y	1.15	1.13	-2.2%	
PCB-118 23'44'5'-PeCB	33.09	3.48E+05	0.69 Y	1.04	0.95	-8.5%	
PCB-123 2'344'5'-PeCB	32.81	3.85E+05	0.60 Y	1.01	1.03	1.8%	
PCB-126 33'44'5'-PeCB	36.68	3.84E+05	0.58 Y	1.06	0.97	-8.5%	
PCB-156/157 233'44'5'/233'44'5'	39.20	7.30E+05	1.23 Y	1.16	1.12	-3.6%	
PCB-167 23'44'55'-HxCB	38.24	3.76E+05	1.27 Y	1.24	1.17	-6.0%	
PCB-169 33'44'55'-HxCB	41.91	3.50E+05	1.32 Y	1.19	1.17	-1.5%	
PCB-189 233'44'55'-HpCB	44.02	4.51E+05	1.07 Y	1.05	1.08	2.3%	
PCB-209 DeCB	48.96	2.56E+05	1.07 Y	1.09	1.05	-3.0%	
ES PCB-1	10.90	8.16E+07	3.37 Y	1.02	1.01	-1.1%	
ES PCB-3	13.03	8.05E+07	3.44 Y	1.02	1.00	-2.4%	
ES PCB-4	13.26	5.49E+07	1.52 Y	0.68	0.68	-0.4%	
ES PCB-15	18.71	8.31E+07	1.57 Y	1.06	1.03	-2.8%	
ES PCB-19	16.17	3.97E+07	1.03 Y	0.49	0.49	-0.5%	
ES PCB-37	24.87	6.03E+07	1.12 Y	1.51	1.48	-2.3%	
ES PCB-54	18.96	5.52E+07	0.77 Y	1.37	1.35	-1.4%	
ES PCB-77	31.11	4.89E+07	0.77 Y	1.17	1.20	2.4%	
ES PCB-81	30.64	4.62E+07	0.77 Y	1.13	1.13	-0.2%	
ES PCB-104	23.81	5.33E+07	1.55 Y	1.90	1.94	2.1%	
ES PCB-105	34.06	3.37E+07	1.54 Y	1.15	1.23	7.1%	
ES PCB-114	33.52	3.59E+07	1.50 Y	1.22	1.31	7.5%	
ES PCB-118	33.07	3.65E+07	1.56 Y	1.24	1.33	7.1%	
ES PCB-123	32.79	3.75E+07	1.51 Y	1.29	1.37	6.1%	
ES PCB-126	36.66	3.98E+07	1.53 Y	1.40	1.45	4.1%	
ES PCB-153	34.64	3.75E+07	1.28 Y	1.09	1.11	1.8%	
ES PCB-155	28.69	4.75E+07	1.28 Y	1.45	1.41	-2.7%	
ES PCB-156/157	39.19	6.52E+07	1.26 Y	0.94	0.97	2.6%	
ES PCB-167	38.22	3.22E+07	1.26 Y	0.93	0.96	2.9%	
ES PCB-169	41.90	2.99E+07	1.29 Y	0.88	0.89	1.3%	
ES PCB-170	41.40	2.88E+07	1.03 Y	1.40	1.39	-1.0%	
ES PCB-180	40.35	3.55E+07	1.01 Y	1.74	1.71	-1.6%	
ES PCB-188	33.52	5.17E+07	1.05 Y	1.52	1.54	1.0%	
ES PCB-189	44.00	4.18E+07	1.03 Y	2.05	2.02	-1.5%	
ES PCB-202	38.02	4.18E+07	0.88 Y	1.21	1.24	2.7%	
ES PCB-205	46.15	2.66E+07	0.91 Y	1.28	1.28	-0.1%	
ES PCB-206	47.60	2.34E+07	0.79 Y	1.12	1.13	0.6%	
ES PCB-208	43.61	3.13E+07	0.79 Y	1.46	1.51	3.3%	
ES PCB-209	48.94	2.43E+07	1.15 Y	1.16	1.17	0.7%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.39	6.69E+07	1.11 Y	1.09	1.11	1.9%	
SS PCB-111	31.14	3.39E+07	1.57 Y	0.93	0.90	-3.1%	
SS PCB-178	36.07	3.27E+07	1.08 Y	0.63	0.63	1.2%	
CS PCB-28	21.39	6.69E+07	1.11 Y	1.64	1.64	-0.3%	
CS PCB-111	31.14	3.39E+07	1.57 Y	1.20	1.24	3.0%	
CS PCB-178	36.07	3.27E+07	1.08 Y	0.95	0.97	2.3%	
JS PCB-9	15.13	8.07E+07	1.55 Y	-	-	-	
JS PCB-52	22.98	4.08E+07	0.78 Y	-	-	-	
JS PCB-101	28.87	2.74E+07	1.60 Y	-	-	-	
JS PCB-138	35.69	3.37E+07	1.33 Y	-	-	-	
JS PCB-194	45.75	2.07E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.91	7.85E+05	2.96 Y	1.00	0.96	-3.3%	
PCB-3 4-MoCB	13.04	7.40E+05	3.51 Y	0.96	0.92	-4.4%	
PCB-4 22'-DiCB	13.27	4.31E+05	1.46 Y	0.82	0.79	-4.5%	
PCB-15 44'-DiCB	18.72	7.36E+05	1.37 Y	0.95	0.88	-7.2%	
PCB-19 22'6'-TrCB	16.19	3.35E+05	0.95 Y	0.92	0.84	-8.3%	
PCB-37 344'-TrCB	24.89	6.18E+05	1.04 Y	1.07	1.03	-4.4%	
PCB-54 22'66'-TeCB	18.98	5.56E+05	0.81 Y	1.04	1.01	-3.4%	
PCB-104 22'466'-PeCB	23.83	5.17E+05	0.59 Y	1.02	0.97	-4.6%	
PCB-153 22'44'55' -HxCB	34.69	7.97E+05	1.18 Y	1.12	1.06	-5.0%	
PCB-155 22'44'66'-HxCB	28.71	4.72E+05	1.15 Y	1.04	0.99	-3.9%	
PCB-170 22'33'44'5'-HpCB	41.42	2.77E+05	1.05 Y	0.99	0.97	-2.1%	
PCB-180 22'344'55'-HpCB	40.33	6.85E+05	1.05 Y	0.97	0.96	-0.1%	
PCB-188 22'34'566'-HpCB	33.54	4.52E+05	1.00 Y	0.94	0.87	-7.3%	
PCB-202 22'33'55'66'-OcCB	38.04	3.59E+05	0.88 Y	0.86	0.86	-0.1%	
PCB-205 233'44'55'6'-OcCB	46.17	3.18E+05	0.91 Y	1.20	1.20	-0.3%	
PCB-208 22'33'455'66'-NoCB	43.63	2.82E+05	0.83 Y	1.01	0.90	-10.3%	
PCB-206 22'33'44'55'6'-NoCB	47.62	2.26E+05	0.83 Y	0.95	0.97	1.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.91	7.85E+05	2.96 Y	1.00	0.96	-3.3%	
PCB-2 3-MoCB	12.87	7.37E+05	3.18 Y	0.95	0.91	-3.6%	
PCB-3 4-MoCB	13.04	7.40E+05	3.51 Y	0.96	0.92	-4.4%	
PCB-4 22'-DiCB	13.27	4.31E+05	1.46 Y	0.82	0.79	-4.5%	
PCB-10 26-DiCB	13.44	6.98E+05	1.35 Y	1.33	1.27	-4.0%	
PCB-9 25-DiCB	15.15	6.58E+05	1.65 Y	0.84	0.79	-6.1%	
PCB-7 24-DiCB	15.30	7.96E+05	1.49 Y	0.95	0.96	0.7%	
PCB-6 23'-DiCB	15.52	7.66E+05	1.36 Y	0.91	0.92	1.1%	
PCB-5 23-DiCB	15.80	7.59E+05	1.73 Y	0.90	0.91	1.8%	
PCB-8 24'-DiCB	15.92	7.61E+05	1.36 Y	0.93	0.92	-1.4%	
PCB-14 35-DiCB	17.41	8.18E+05	1.53 Y	1.04	0.98	-5.5%	
PCB-11 33'-DiCB	18.17	7.06E+05	1.52 Y	0.89	0.85	-4.8%	
PCB-13/12 34'-/34-DiCB	18.44	1.37E+06	1.48 Y	0.88	0.82	-6.5%	
PCB-15 44'-DiCB	18.72	7.36E+05	1.37 Y	0.95	0.88	-7.2%	
PCB-19 22'6-TrCB	16.19	3.35E+05	0.95 Y	0.92	0.84	-8.3%	
PCB-30/18 246-/22'5-TrCB	17.88	9.00E+05	0.98 Y	1.19	1.13	-4.8%	
PCB-17 22'4-TrCB	18.26	3.95E+05	1.04 Y	1.03	1.00	-3.3%	
PCB-27 23'6-TrCB	18.45	5.02E+05	1.05 Y	1.39	1.27	-9.2%	
PCB-24 236-TrCB	18.58	5.24E+05	1.10 Y	1.34	1.32	-1.2%	
PCB-16 22'3-TrCB	18.67	2.77E+05	1.06 Y	0.77	0.70	-9.3%	
PCB-32 24'6-TrCB	19.14	5.46E+05	1.06 Y	1.45	1.38	-4.8%	
PCB-34 2'35-TrCB	20.26	6.79E+05	1.08 Y	1.16	1.13	-2.5%	
PCB-23 235-TrCB	20.40	6.99E+05	0.96 Y	1.18	1.16	-1.6%	
PCB-26/29 23'5-/245-TrCB	20.68	1.38E+06	1.00 Y	1.20	1.15	-4.1%	
PCB-25 23'4-TrCB	20.87	7.36E+05	1.10 Y	1.22	1.22	0.1%	
PCB-31 24'5-TrCB	21.14	7.14E+05	1.06 Y	1.21	1.18	-2.3%	
PCB-28/20 244'-/233'-TrCB	21.42	1.41E+06	1.00 Y	1.18	1.17	-0.5%	
PCB-21/33 234-/2'34-TrCB	21.59	1.42E+06	1.08 Y	1.21	1.18	-2.6%	
PCB-22 234'-TrCB	21.96	6.71E+05	1.07 Y	1.10	1.11	0.9%	
PCB-36 33'5-TrCB	23.33	6.85E+05	1.00 Y	1.17	1.14	-3.2%	
PCB-39 34'5-TrCB	23.63	7.35E+05	1.09 Y	1.24	1.22	-1.3%	
PCB-38 345-TrCB	24.15	6.11E+05	1.10 Y	1.07	1.01	-5.4%	
PCB-35 33'4-TrCB	24.54	6.23E+05	1.01 Y	1.03	1.03	-0.1%	
PCB-37 344'-TrCB	24.89	6.18E+05	1.04 Y	1.07	1.03	-4.4%	
PCB-54 22'66'-TeCB	18.98	5.56E+05	0.81 Y	1.04	1.01	-3.4%	
PCB-50/53 22'46-/22'56'TeCB	20.92	6.96E+05	0.76 Y	0.80	0.75	-5.9%	
PCB-45 22'36'-TeCB	21.49	3.38E+05	0.72 Y	0.73	0.73	0.3%	
PCB-51 22'46'-TeCB	21.56	3.06E+05	0.66 Y	0.76	0.66	-12.3%	
PCB-46 22'36'-TeCB	21.76	2.98E+05	0.75 Y	0.65	0.65	-0.6%	
PCB-52 22'55'-TeCB	23.00	3.60E+05	0.74 Y	0.77	0.78	1.4%	
PCB-73 23'5'6TeCB	23.12	4.48E+05	0.78 Y	1.00	0.97	-3.2%	
PCB-43 22'35'-TeCB	23.22	2.89E+05	0.76 Y	0.65	0.63	-3.6%	
PCB-69/49 23'46-/22'45'TeCB	23.41	8.17E+05	0.76 Y	0.92	0.88	-3.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS1_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.68	3.41E+05	0.76 Y	0.76	0.74	-2.2%	
PCB-44/47/65 22'35'-/22'44'-	23.89	1.04E+06	0.79 Y	0.81	0.75	-7.1%	
PCB-59/62/75 233'6'-/2346-/24	24.16	1.33E+06	0.75 Y	1.03	0.96	-6.7%	
PCB-42 22'34'-TeCB	24.32	3.03E+05	0.77 Y	0.69	0.66	-5.0%	
PCB-41 22'34'-TeCB	24.64	2.61E+05	0.77 Y	0.61	0.57	-7.0%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.74	6.77E+05	0.72 Y	0.77	0.73	-4.7%	
PCB-64 234'6'-TeCB	24.94	4.90E+05	0.82 Y	1.08	1.06	-2.2%	
PCB-72 23'55'-TeCB	25.66	5.57E+05	0.81 Y	1.24	1.21	-3.0%	
PCB-68 23'45'-TeCB	25.91	5.86E+05	0.82 Y	1.36	1.27	-7.0%	
PCB-57 233'5'-TeCB	26.27	5.77E+05	0.78 Y	1.23	1.25	1.2%	
PCB-58 233'5'-TeCB	26.47	5.32E+05	0.84 Y	1.23	1.15	-6.2%	
PCB-67 23'45'-TeCB	26.62	5.63E+05	0.76 Y	1.27	1.22	-3.9%	
PCB-63 234'5'-TeCB	26.85	6.04E+05	0.79 Y	1.36	1.31	-3.5%	
PCB-61/70/74/76 2345-/23'4'5	27.13	2.13E+06	0.81 Y	1.22	1.15	-5.5%	
PCB-66 23'44'-TeCB	27.41	5.09E+05	0.77 Y	1.17	1.10	-5.4%	
PCB-55 233'4'-TeCB	27.55	5.20E+05	0.71 Y	1.15	1.13	-2.1%	
PCB-56 233'4'-TeCB	27.98	5.05E+05	0.82 Y	1.11	1.09	-1.4%	
PCB-60 2344'-TeCB	28.17	5.20E+05	0.70 Y	1.13	1.13	-0.5%	
PCB-80 33'55'-TeCB	28.52	5.79E+05	0.71 Y	1.31	1.25	-3.9%	
PCB-79 33'45'-TeCB	29.82	5.88E+05	0.77 Y	1.33	1.27	-4.0%	
PCB-78 33'45'-TeCB	30.29	4.88E+05	0.76 Y	1.06	1.06	-0.3%	
PCB-104 22'466'-PeCB	23.83	5.17E+05	0.59 Y	1.02	0.97	-4.6%	
PCB-96 22'366'-PeCB	24.14	4.12E+05	0.67 Y	0.86	0.77	-9.8%	
PCB-103 22'45'6'-PeCB	25.82	2.90E+05	0.62 Y	0.82	0.77	-5.7%	
PCB-94 22'356'-PeCB	26.00	2.49E+05	0.61 Y	0.73	0.66	-9.6%	
PCB-95 22'35'6'-PeCB	26.38	2.61E+05	0.66 Y	0.76	0.70	-8.9%	
PCB-100/93 22'44'6'-/22'356-P	26.58	5.20E+05	0.63 Y	0.77	0.69	-9.4%	
PCB-102 22'456'-PeCB	26.69	2.92E+05	0.64 Y	0.85	0.78	-9.0%	
PCB-98 22'3'46'-PeCB	26.76	2.67E+05	0.60 Y	0.72	0.71	-0.7%	
PCB-88 22'346'-PeCB	27.05	2.38E+05	0.58 Y	0.73	0.64	-12.3%	
PCB-91 22'34'6'-PeCB	27.12	3.04E+05	0.59 Y	0.82	0.81	-1.2%	
PCB-84 22'33'6'-PeCB	27.31	2.24E+05	0.71 Y	0.63	0.60	-5.7%	
PCB-89 22'346'-PeCB	27.71	2.24E+05	0.67 Y	0.66	0.60	-9.5%	
PCB-121 23'45'6'-PeCB	28.08	3.40E+05	0.64 Y	1.00	0.91	-9.6%	
PCB-92 22'355'-PeCB	28.39	2.47E+05	0.61 Y	0.69	0.66	-4.6%	
PCB-113/90/101 233'5'6'-/22'3	28.87	8.67E+05	0.62 Y	0.83	0.77	-7.6%	
PCB-83 22'33'5'-PeCB	29.29	1.95E+05	0.56 Y	0.61	0.52	-15.2%	
PCB-99 22'44'5'-PeCB	29.39	3.05E+05	0.63 Y	0.79	0.82	3.5%	
PCB-112 233'56'-PeCB	29.48	3.46E+05	0.64 Y	0.98	0.92	-5.6%	
PCB-108/119/86/97/125/87 233	29.82	1.79E+06	0.62 Y	0.86	0.80	-7.3%	
PCB-117 234'56'-PeCB	30.35	2.66E+05	0.63 Y	0.85	0.71	-16.7%	
PCB-116/85 23456-/22'344'-Pe	30.43	6.21E+05	0.71 Y	0.86	0.83	-3.8%	
PCB-110 233'4'6'-PeCB	30.56	3.37E+05	0.62 Y	0.91	0.90	-1.0%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS1_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.64	3.36E+05	0.61 Y	1.02	0.90	-11.6%	
PCB-82 22'33'4-PeCB	30.83	2.11E+05	0.64 Y	0.61	0.56	-7.5%	
PCB-111 233'55'-PeCB	31.17	3.57E+05	0.65 Y	1.02	0.95	-6.5%	
PCB-120 23'455'-PeCB	31.56	3.60E+05	0.65 Y	1.01	0.96	-4.6%	
PCB-107/124 233'4'5-/2'3455'	32.51	6.50E+05	0.57 Y	0.92	0.87	-6.0%	
PCB-109 233'46-PeCB	32.71	3.40E+05	0.64 Y	1.01	0.91	-9.7%	
PCB-106 233'45-PeCB	32.92	3.45E+05	0.61 Y	0.93	0.92	-1.5%	
PCB-122 2'33'45-PeCB	33.38	3.03E+05	0.61 Y	0.91	0.85	-7.3%	
PCB-127 33'455'-PeCB	35.32	3.10E+05	0.70 Y	1.01	0.92	-9.1%	
PCB-155 22'44'66'-HxCB	28.71	4.72E+05	1.15 Y	1.04	0.99	-3.9%	
PCB-152 22'3566'-HxCB	28.86	4.31E+05	1.26 Y	0.99	0.91	-8.2%	
PCB-150 22'34'66'-HxCB	29.01	4.54E+05	1.18 Y	0.97	0.96	-1.3%	
PCB-136 22'33'66'-HxCB	29.31	4.18E+05	1.32 Y	0.91	0.88	-3.1%	
PCB-145 22'3466'HxCB	29.57	4.31E+05	1.22 Y	0.93	0.91	-2.2%	
PCB-148 22'34'56'-HxCB	30.85	3.35E+05	1.22 Y	0.94	0.89	-5.2%	
PCB-151/135 22'355'6-/22'33'	31.36	6.27E+05	1.26 Y	0.91	0.84	-7.6%	
PCB-154 22'44'5'6-HxCB	31.57	3.72E+05	1.10 Y	1.05	0.99	-5.9%	
PCB-144 22'345'6-HxCB	31.83	3.54E+05	1.43 Y	0.92	0.94	2.5%	
PCB-147/149 22'34'56-/22'34'	32.12	6.96E+05	1.07 Y	0.94	0.93	-1.1%	
PCB-134 22'33'56-HxCB	32.29	2.54E+05	1.22 Y	0.72	0.68	-5.6%	
PCB-143 22'3456'-HxCB	32.37	3.21E+05	1.37 Y	0.88	0.86	-2.8%	
PCB-139/140 22'344'6-/22'344'	32.63	6.42E+05	1.30 Y	0.93	0.86	-8.3%	
PCB-131 22'33'46-HxCB	32.80	2.94E+05	1.31 Y	0.82	0.78	-4.6%	
PCB-142 22'3456-HxCB	32.94	2.96E+05	1.10 Y	0.84	0.79	-5.4%	
PCB-132 22'33'46'-HxCB	33.17	3.12E+05	1.20 Y	0.84	0.83	-1.4%	
PCB-133 22'33'55'-HxCB	33.60	3.19E+05	1.14 Y	0.86	0.85	-0.7%	
PCB-165 233'55'6-HxCB	33.94	3.89E+05	1.24 Y	1.04	1.04	-0.5%	
PCB-146 22'34'55'-HxCB	34.15	3.39E+05	1.22 Y	0.92	0.90	-1.7%	
PCB-161 233'45'6-HxCB	34.26	4.45E+05	1.19 Y	1.20	1.19	-1.6%	
PCB-153/168 22'44'55'-/23'44'	34.69	7.97E+05	1.18 Y	1.12	1.06	-5.0%	
PCB-141 22'3455'-HxCB	34.83	3.15E+05	1.11 Y	0.87	0.84	-3.0%	
PCB-130 22'33'45'-HxCB	35.17	2.88E+05	1.18 Y	0.78	0.77	-1.4%	
PCB-137 22'344'5-HxCB	35.36	3.34E+05	1.04 N	0.96	0.89	-7.3%	
PCB-164 233'4'5'6-HxCB	35.45	4.26E+05	1.09 Y	1.14	1.14	-0.7%	
PCB-163/138/129 233'4'56-/22'	35.73	9.92E+05	1.37 Y	0.95	0.88	-7.6%	
PCB-160 233'456-HxCB	35.86	4.15E+05	1.38 Y	1.12	1.11	-1.5%	
PCB-158 233'44'6-HxCB	36.05	4.53E+05	1.29 Y	1.25	1.21	-3.3%	
PCB-128/166 22'33'44'-/2344'5	36.77	5.86E+05	1.13 Y	0.98	0.91	-7.6%	
PCB-159 233'455'-HxCB	37.60	3.41E+05	1.12 Y	1.14	1.06	-7.4%	
PCB-162 233'4'55'-HxCB	37.83	3.33E+05	1.11 Y	1.13	1.03	-8.8%	
PCB-188 22'34'566'-HpCB	33.54	4.52E+05	1.00 Y	0.94	0.87	-7.3%	
PCB-179 22'33'566'-HpCB	33.81	3.89E+05	1.20 N	0.81	0.75	-7.1%	
PCB-184 22'344'66'-HpCB	34.27	4.13E+05	1.07 Y	0.85	0.80	-6.4%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS1_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 20:29						
Datafile:	120125V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	4.52E+05	1.09 Y	0.93	0.87	-6.0%	
PCB-186 22'34566'-HpCB	34.95	4.34E+05	0.98 Y	0.88	0.84	-4.2%	
PCB-178 22'33'55'6'-HpCB	36.09	3.36E+05	1.08 Y	0.66	0.65	-1.9%	
PCB-175 22'33'45'6'-HpCB	36.63	2.67E+05	1.10 Y	0.81	0.75	-7.5%	
PCB-187 22'34'55'6'-HpCB	36.85	3.09E+05	1.04 Y	0.89	0.87	-2.7%	
PCB-182 22'344'56'-HpCB	37.03	2.90E+05	1.16 Y	0.89	0.82	-7.7%	
PCB-183 22'344'5'6'-HpCB	37.38	3.29E+05	0.95 Y	0.91	0.93	2.2%	
PCB-185 22'3455'6'-HpCB	37.45	2.82E+05	0.92 Y	0.87	0.79	-8.6%	
PCB-174 22'33'456'-HpCB	37.56	2.41E+05	1.02 Y	0.76	0.68	-11.0%	
PCB-177 22'33'4'56'-HpCB	37.93	2.52E+05	1.08 Y	0.75	0.71	-5.7%	
PCB-181 22'344'56'-HpCB	38.27	2.78E+05	1.24 N	0.87	0.78	-10.3%	
PCB-171/173 22'33'44'6'-/22'3	38.45	5.03E+05	1.01 Y	0.76	0.71	-7.3%	
PCB-172 22'33'455'-HpCB	39.82	2.48E+05	1.05 Y	0.76	0.70	-8.2%	
PCB-192 233'455'6'-HpCB	40.06	3.52E+05	0.91 Y	1.02	0.99	-3.0%	
PCB-180/193 22'344'55'-/233'	40.33	6.85E+05	1.05 Y	0.97	0.96	-0.1%	
PCB-191 233'44'5'6'-HpCB	40.66	3.74E+05	0.98 Y	1.05	1.05	0.1%	
PCB-170 22'33'44'5'-HpCB	41.42	2.77E+05	1.05 Y	0.99	0.97	-2.1%	
PCB-190 233'44'56'-HpCB	41.86	3.76E+05	1.08 Y	1.37	1.31	-4.4%	
PCB-202 22'33'55'66'-OcCB	38.04	3.59E+05	0.88 Y	0.86	0.86	-0.1%	
PCB-201 22'33'45'66'-OcCB	38.82	3.75E+05	0.83 Y	0.96	0.90	-6.5%	
PCB-204 22'344'566'-OcCB	39.39	3.76E+05	0.85 Y	0.93	0.90	-2.9%	
PCB-197 22'33'44'66'-OcCB	39.58	4.40E+05	0.92 Y	0.99	1.05	6.5%	
PCB-200 22'33'4566'-OcCB	39.67	3.47E+05	0.91 Y	0.91	0.83	-9.2%	
PCB-198/199 22'33'455'6'-/22'	41.99	5.40E+05	0.90 Y	0.68	0.65	-5.6%	
PCB-196 22'33'44'56'-OcCB	42.55	3.02E+05	0.99 Y	0.69	0.72	4.3%	
PCB-203 22'344'55'6'-OcCB	42.72	3.01E+05	0.78 Y	0.73	0.72	-1.9%	
PCB-195 22'33'44'56'-OcCB	43.83	2.44E+05	0.85 Y	0.92	0.92	0.2%	
PCB-194 22'33'44'55'-OcCB	45.78	2.60E+05	0.86 Y	0.96	0.98	2.0%	
PCB-205 233'44'55'6'-OcCB	46.17	3.18E+05	0.91 Y	1.20	1.20	-0.3%	
PCB-208 22'33'455'66'-NoCB	43.63	2.82E+05	0.83 Y	1.01	0.90	-10.3%	
PCB-207 22'33'44'566'-NoCB	44.41	3.19E+05	0.80 Y	1.06	1.02	-3.5%	
PCB-206 22'33'44'55'6'-NoCB	47.62	2.26E+05	0.83 Y	0.95	0.97	1.4%	

AP Lab ID: CS1_120125_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-5
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

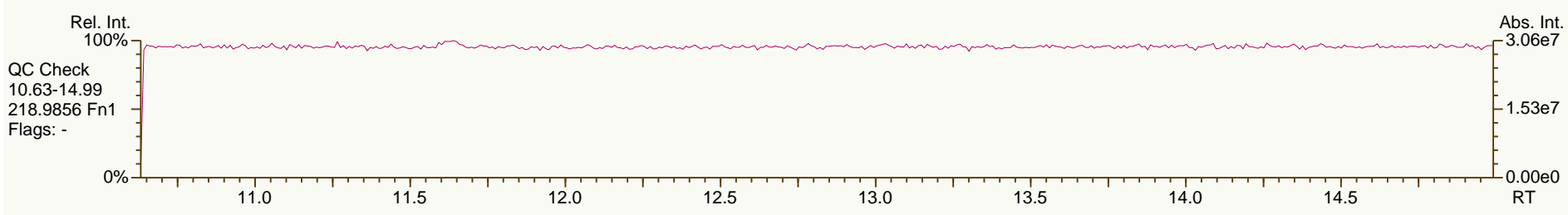
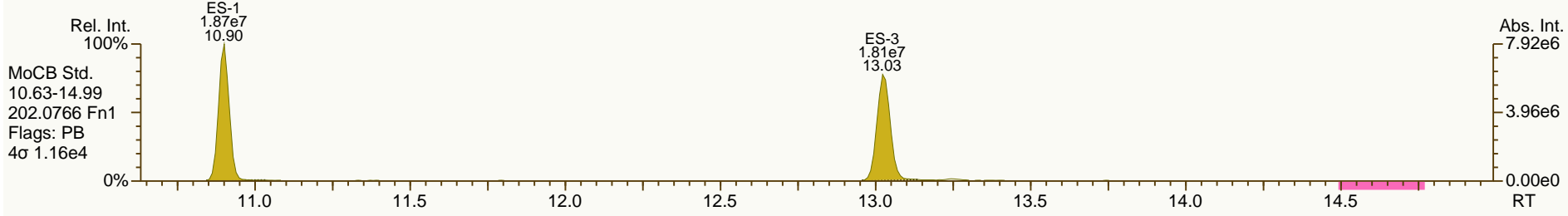
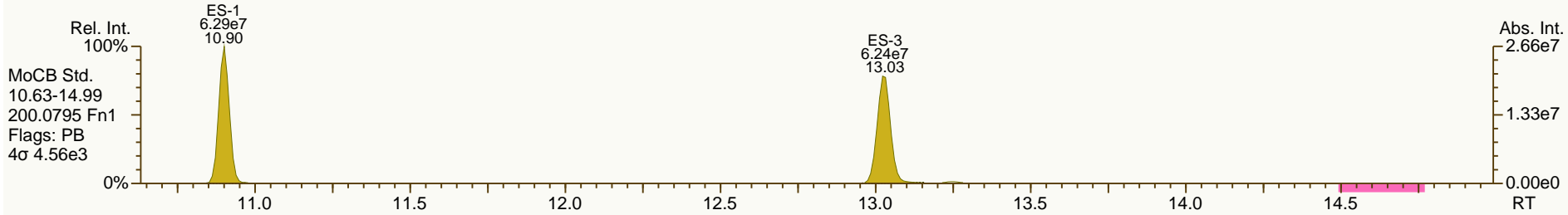
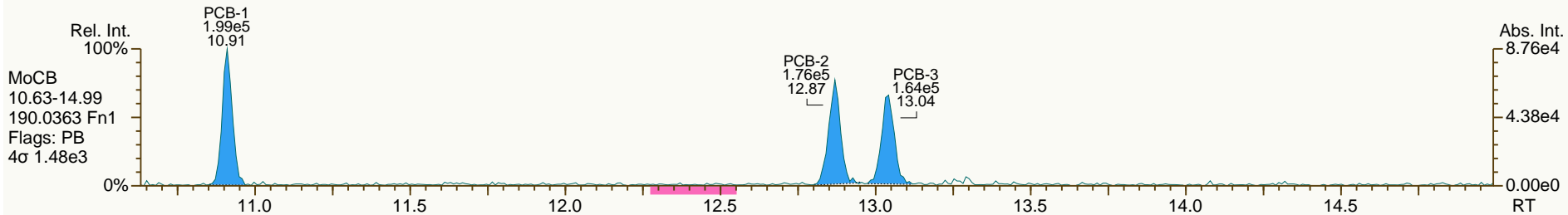
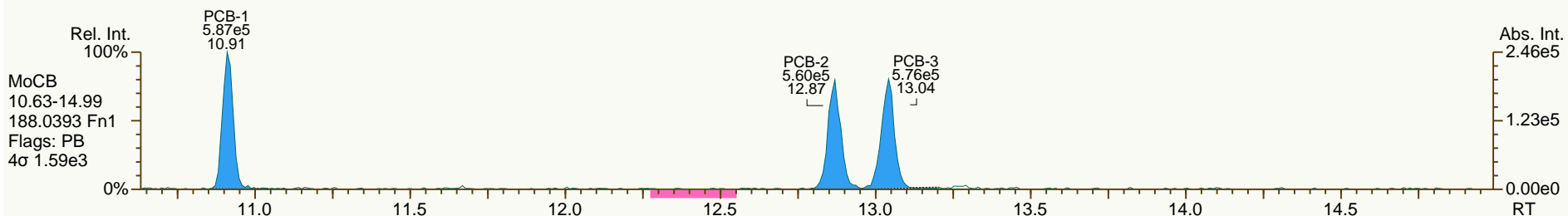
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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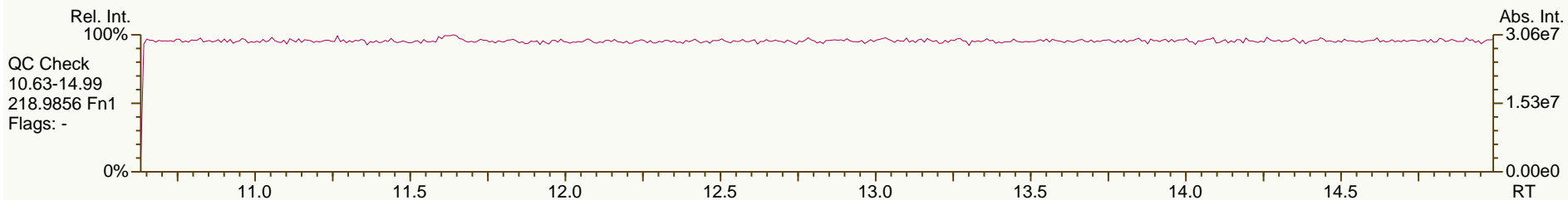
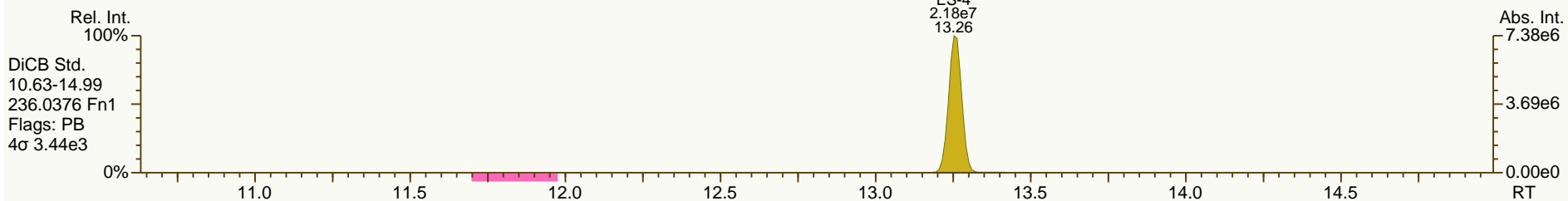
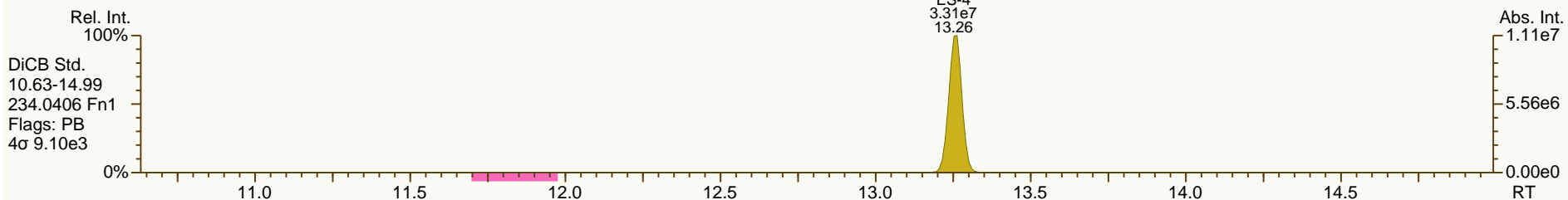
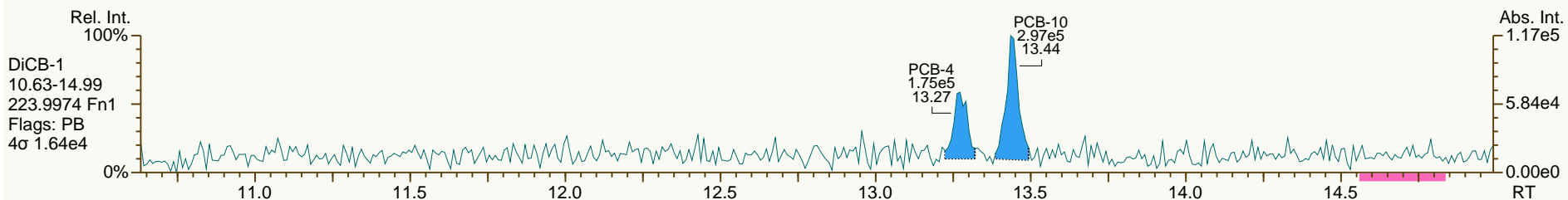
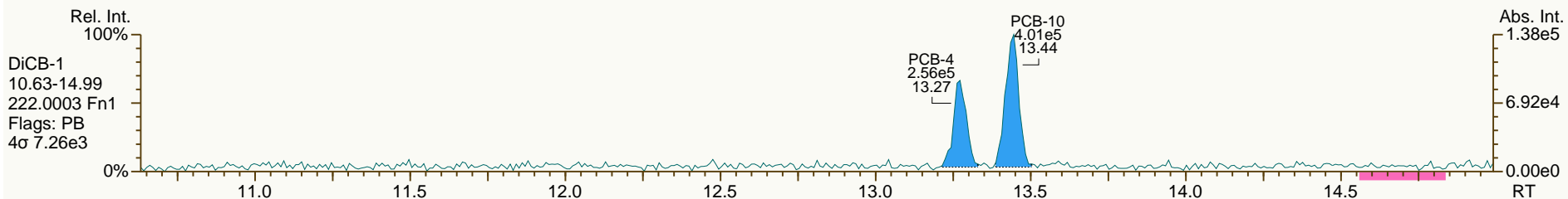
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AP Lab ID: CS1_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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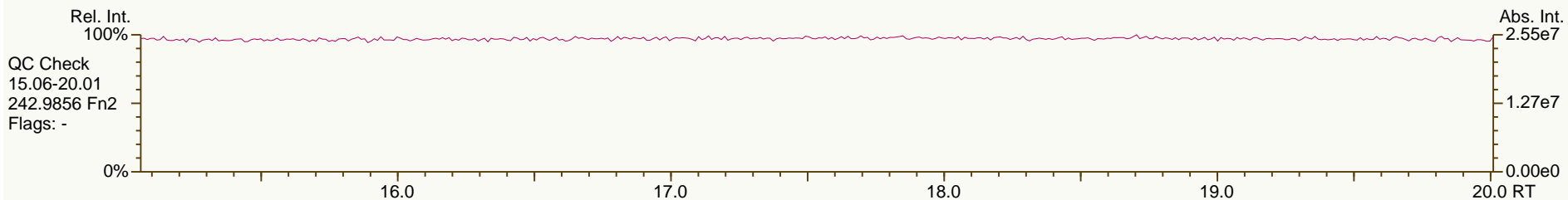
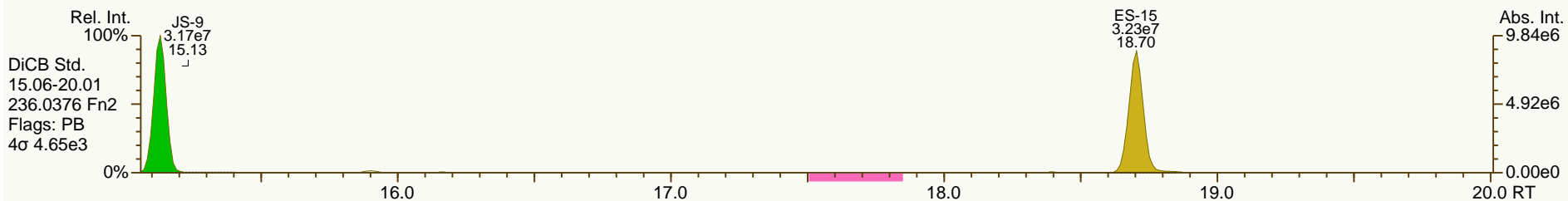
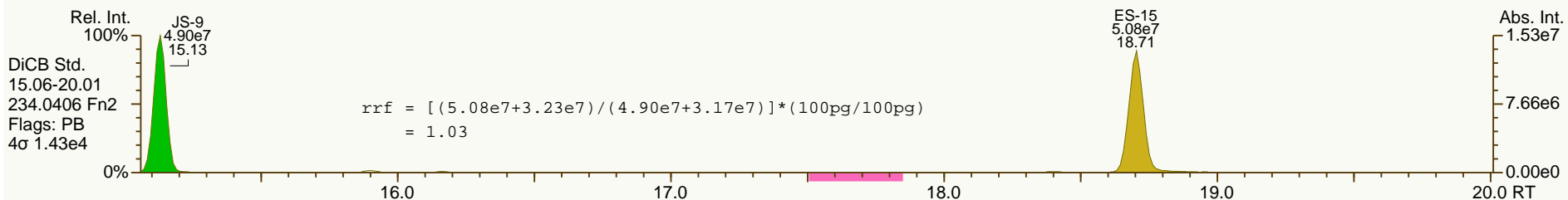
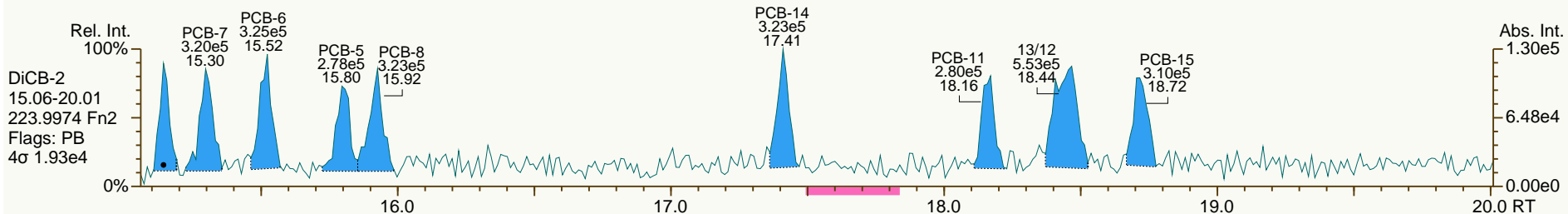
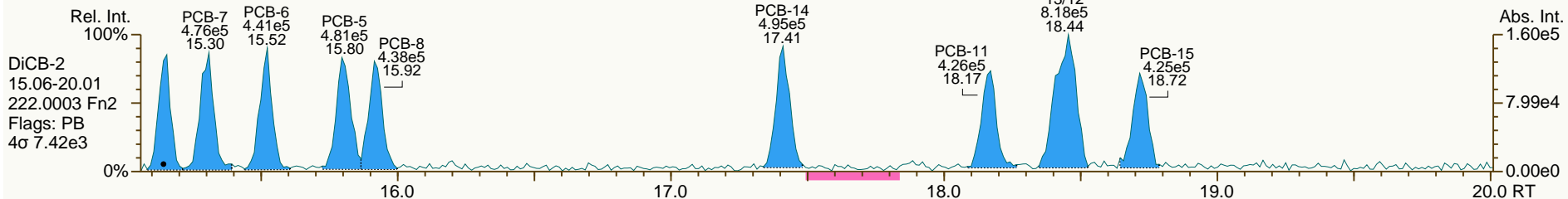
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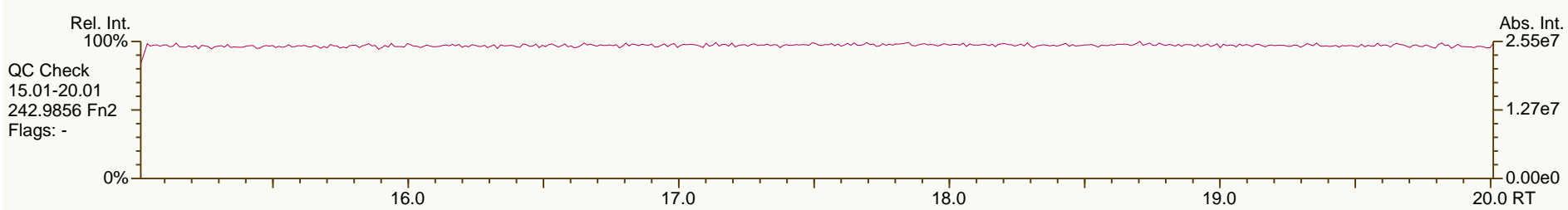
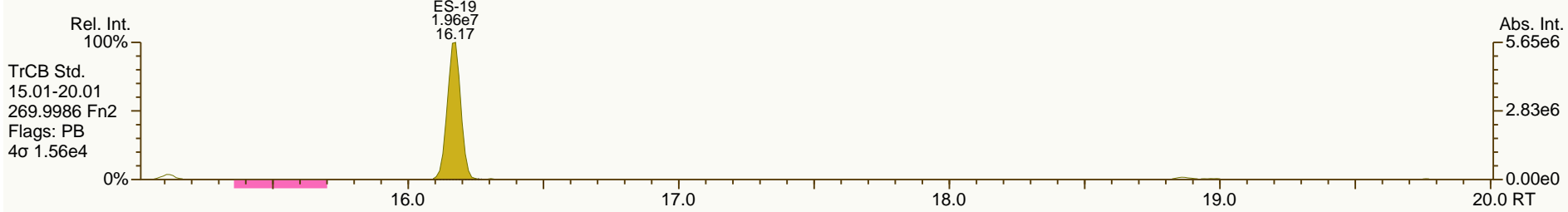
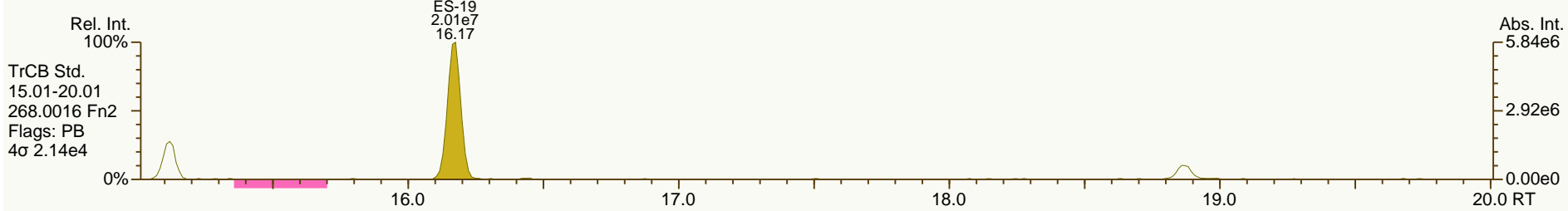
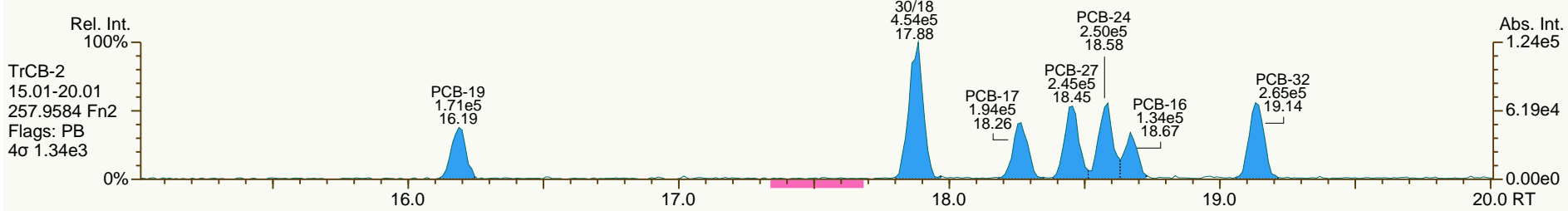
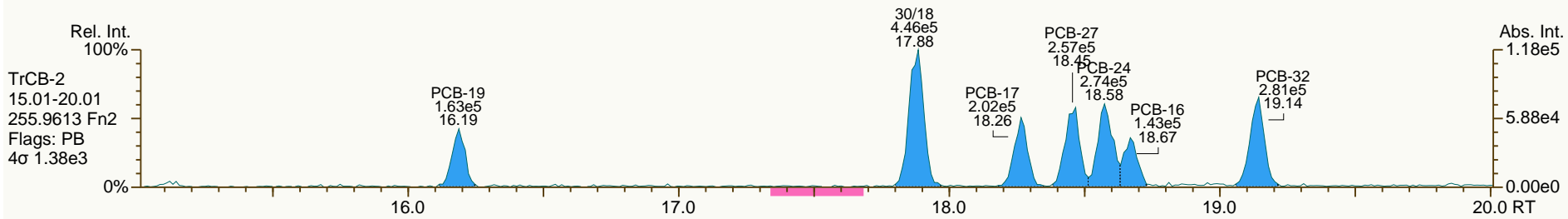
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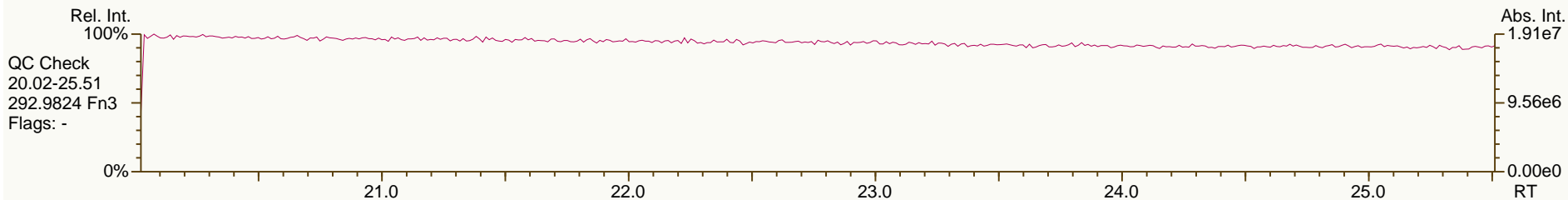
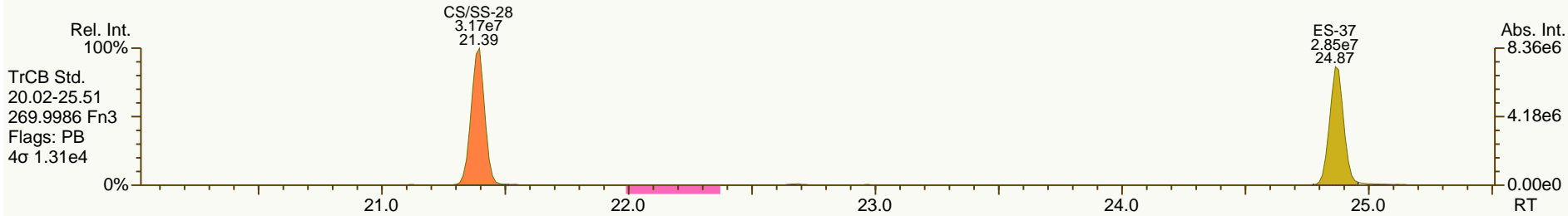
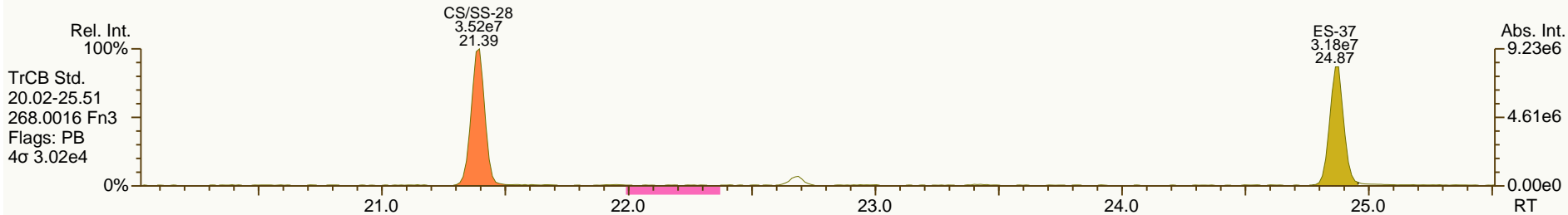
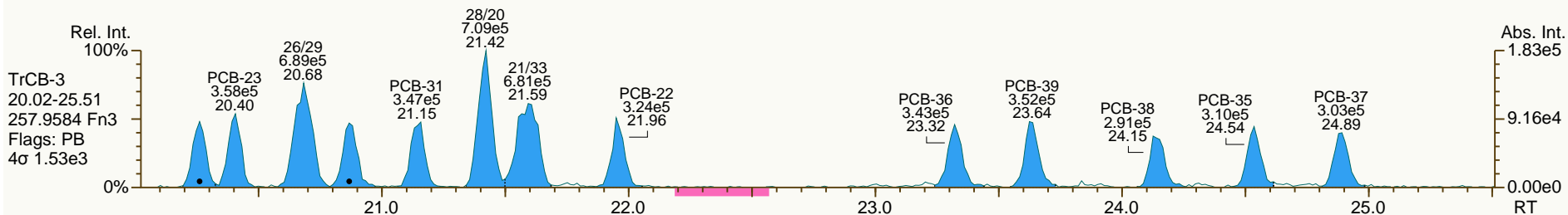
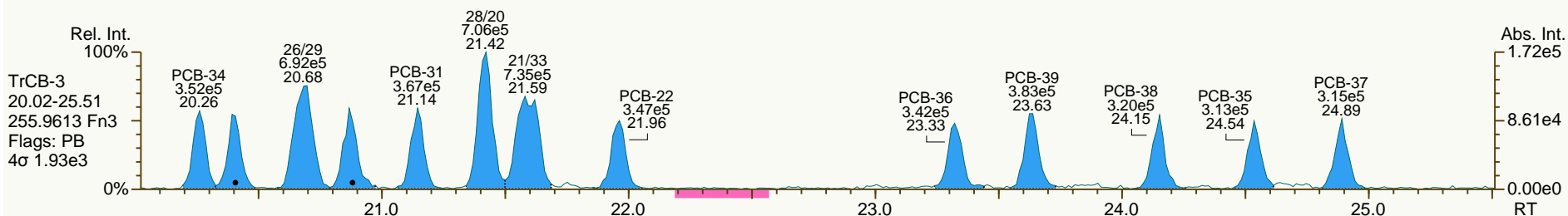
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AP Lab ID: CS1_120125_PCB_VA
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Sample ID: SIL 12-5-5
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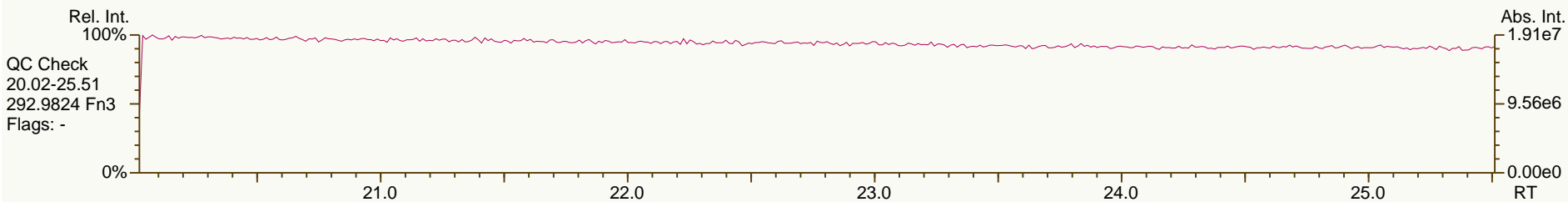
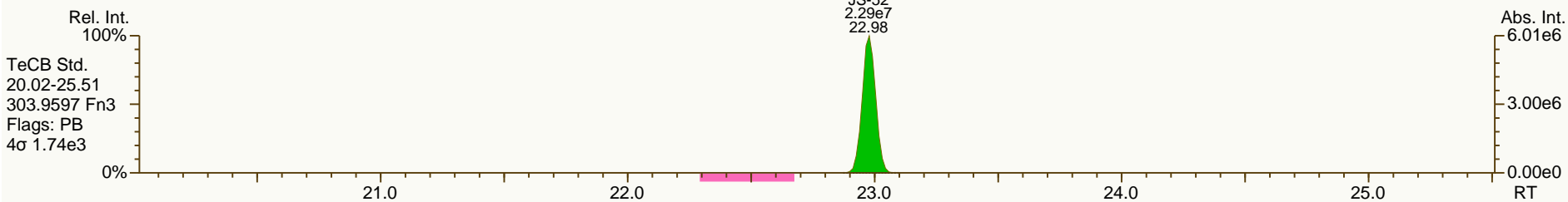
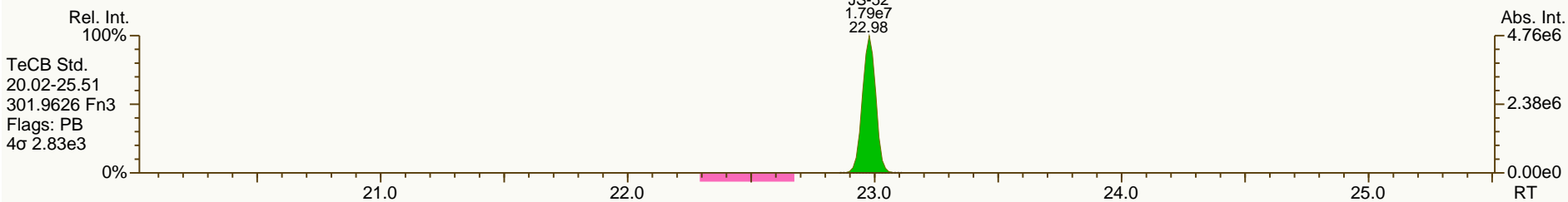
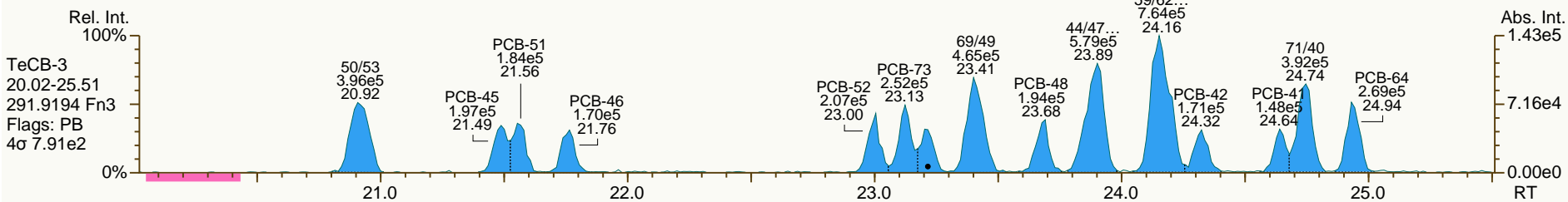
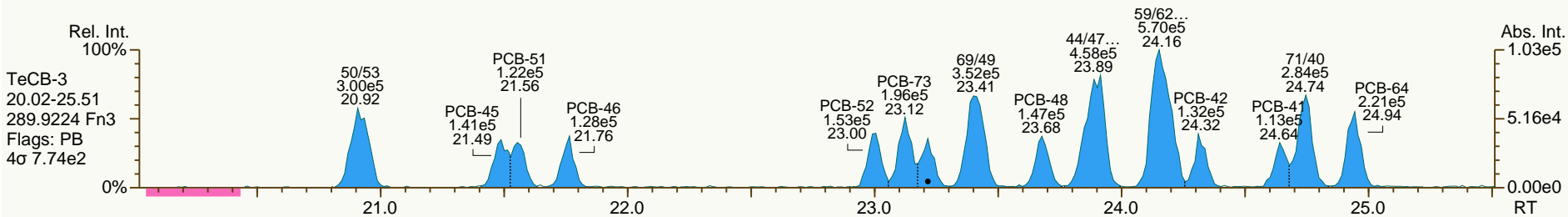
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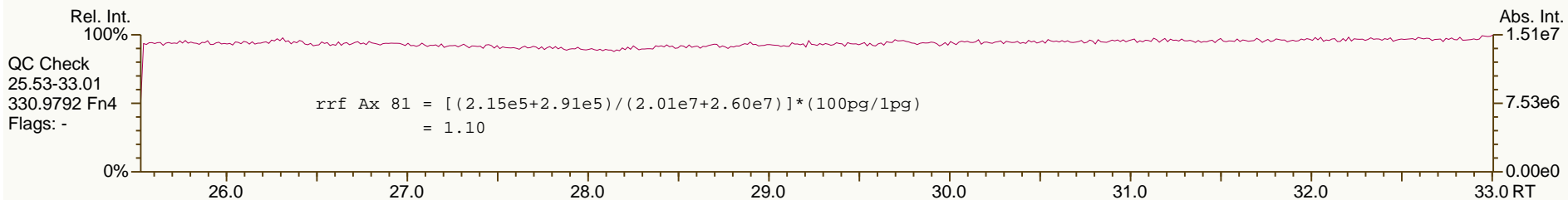
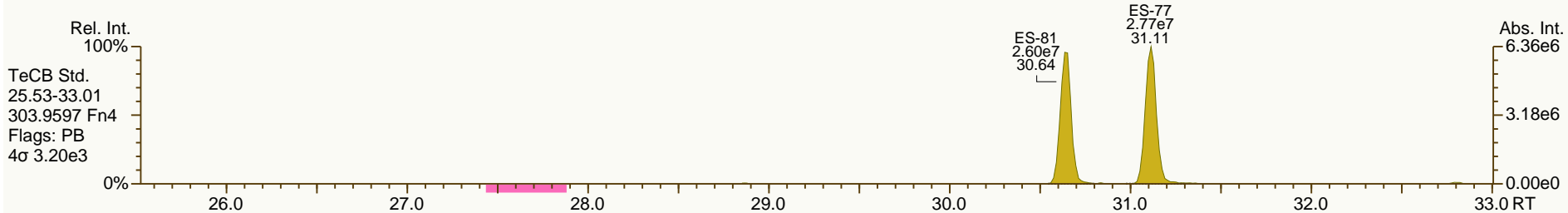
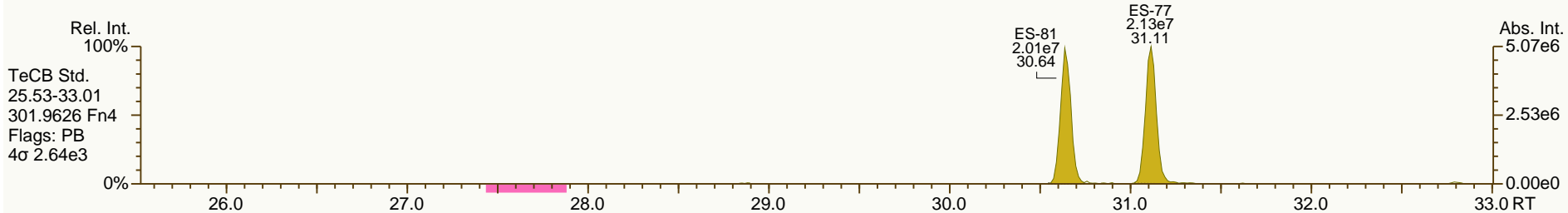
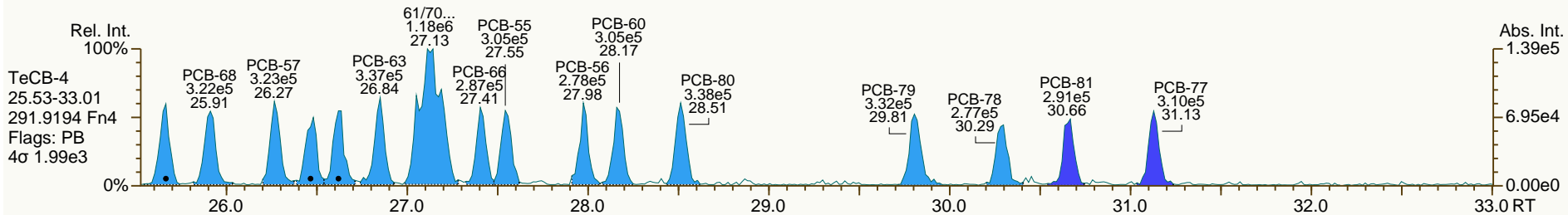
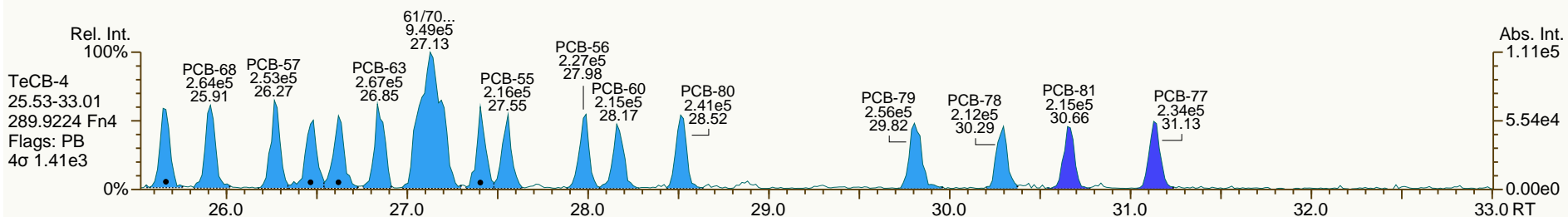
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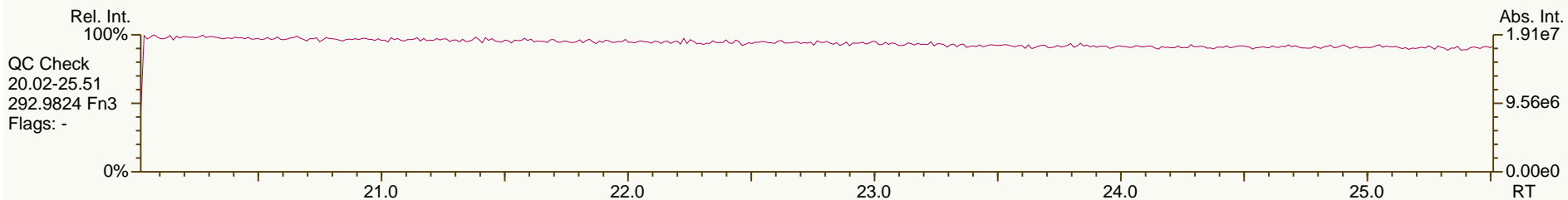
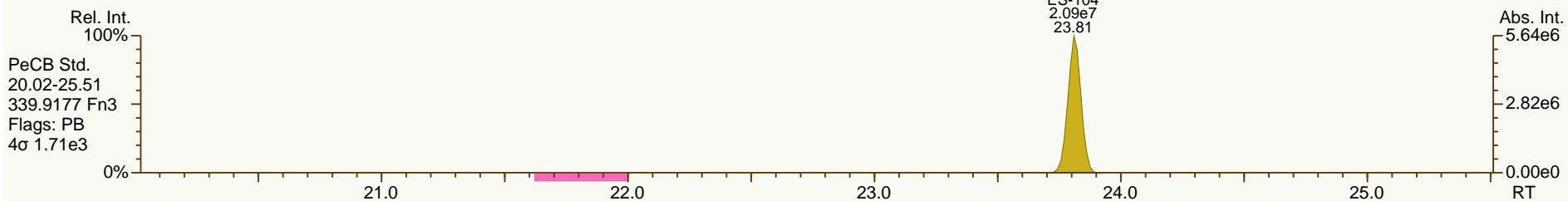
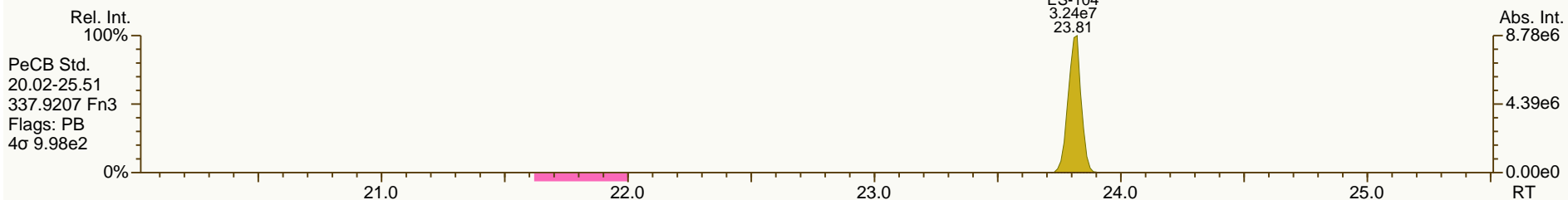
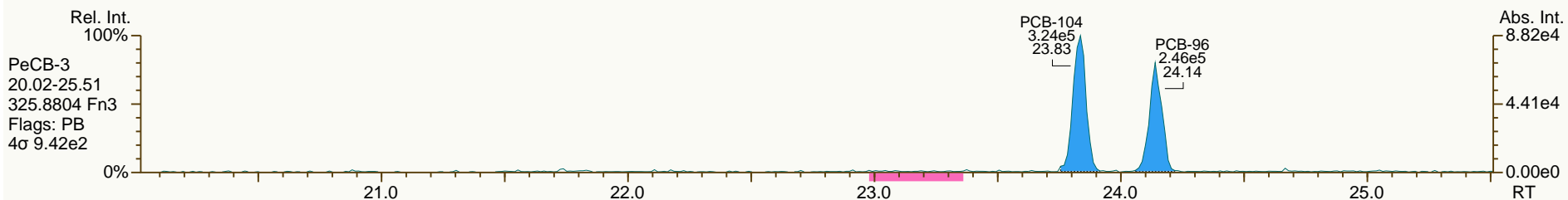
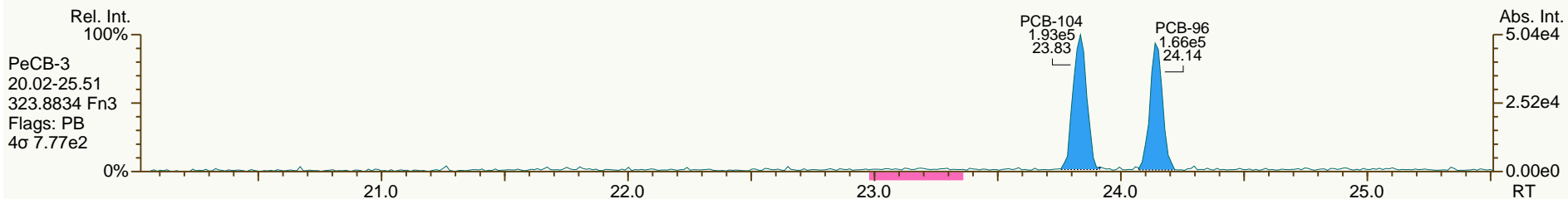
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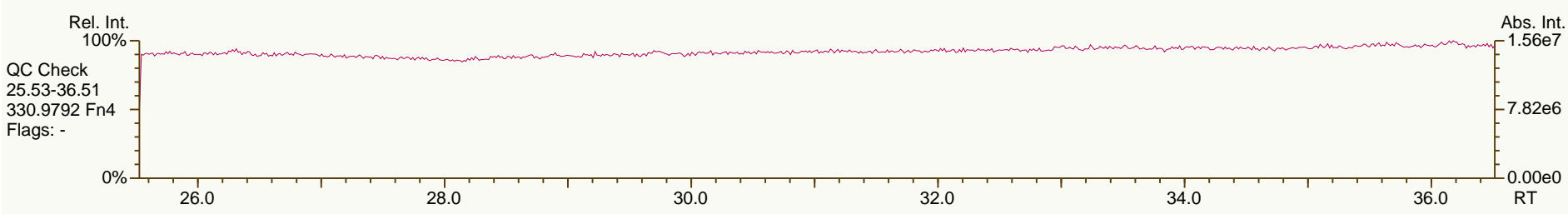
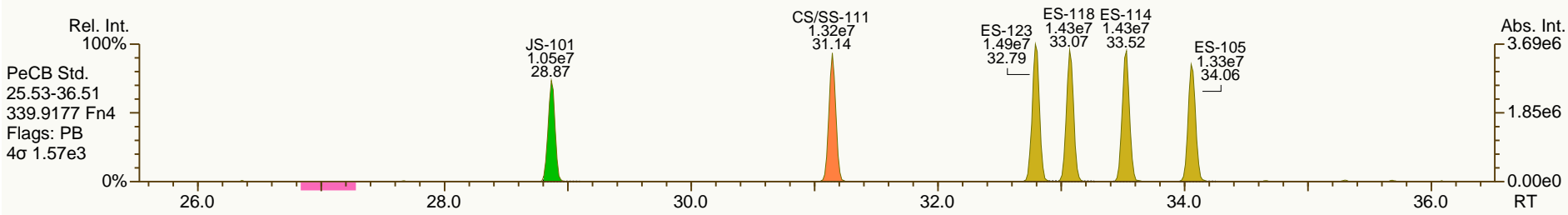
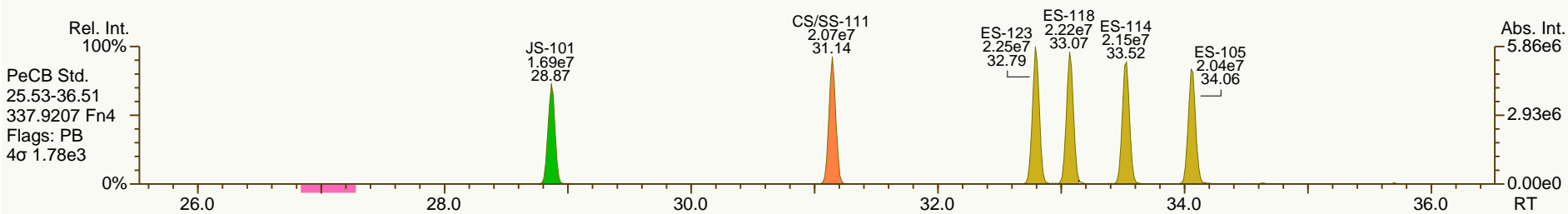
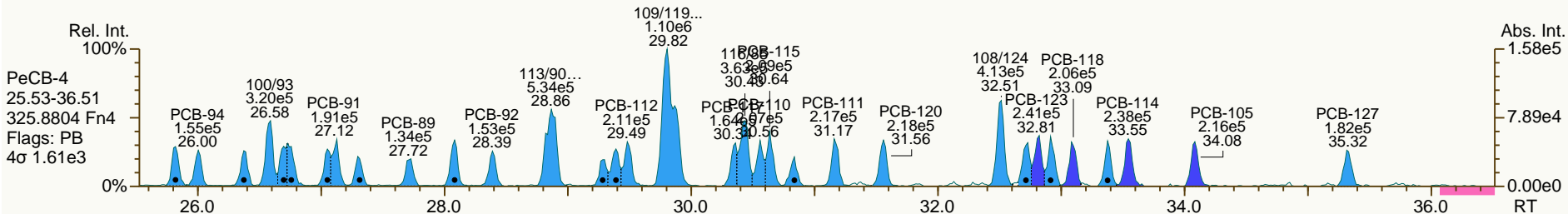
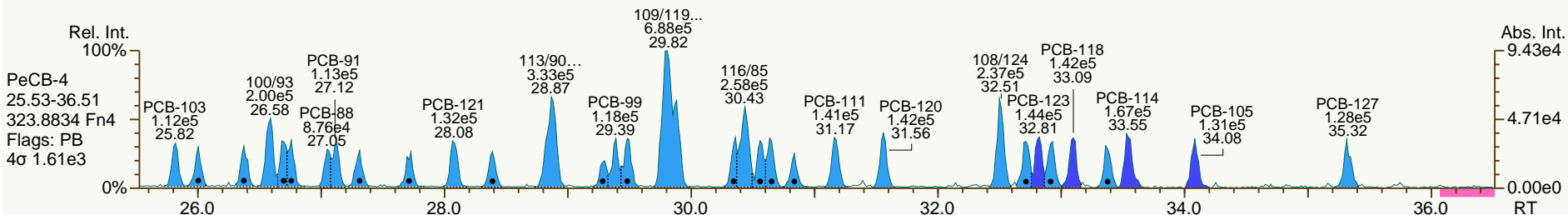
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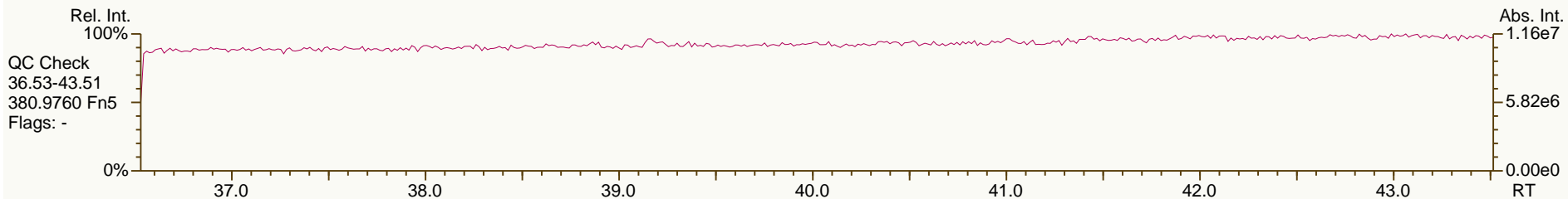
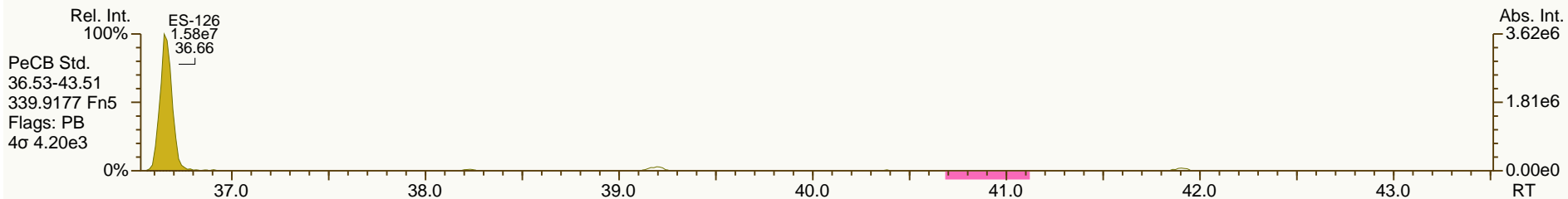
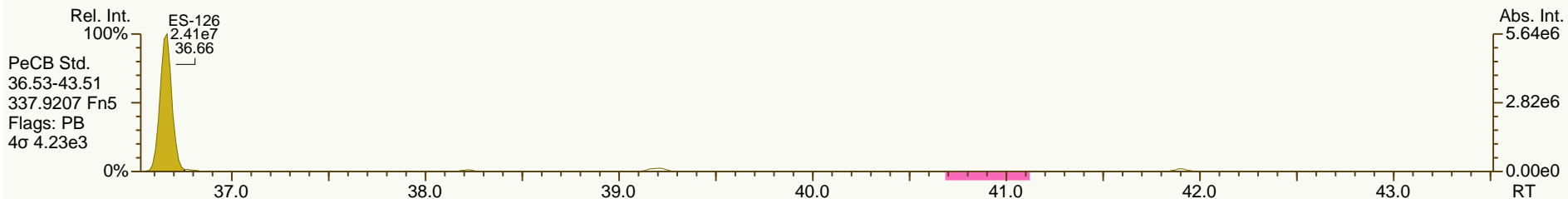
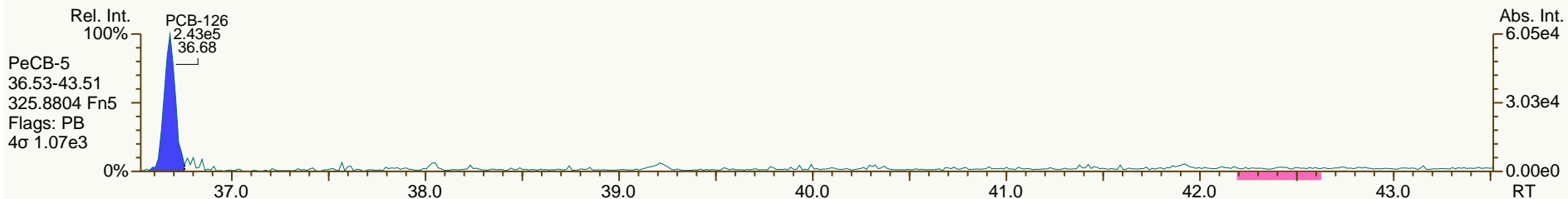
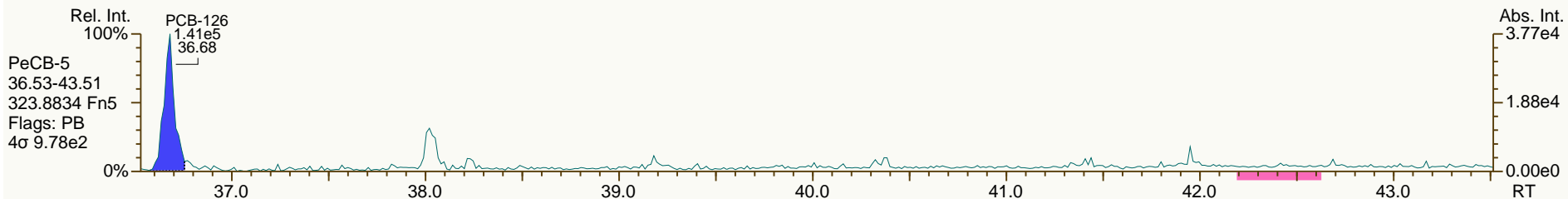
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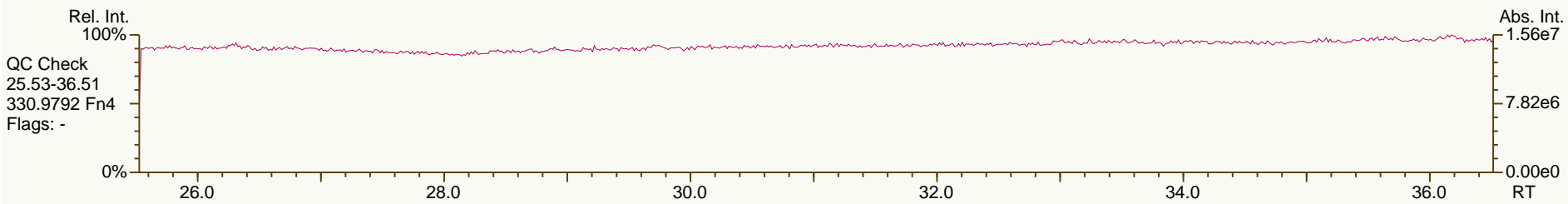
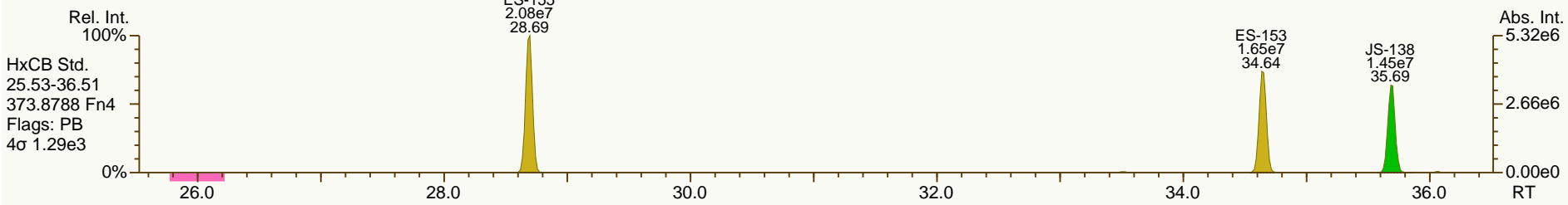
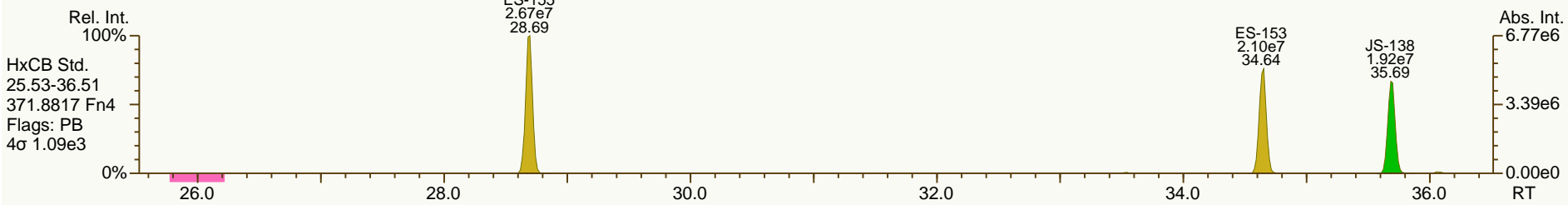
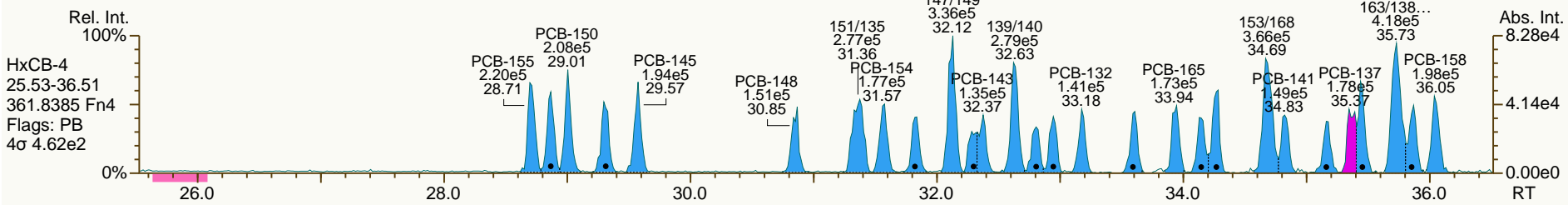
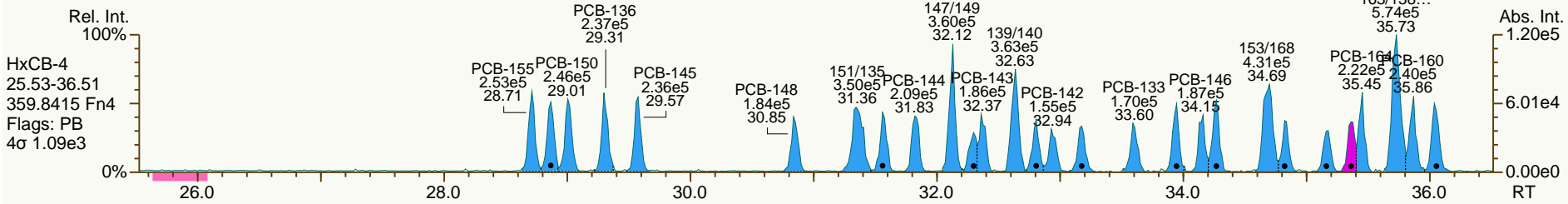
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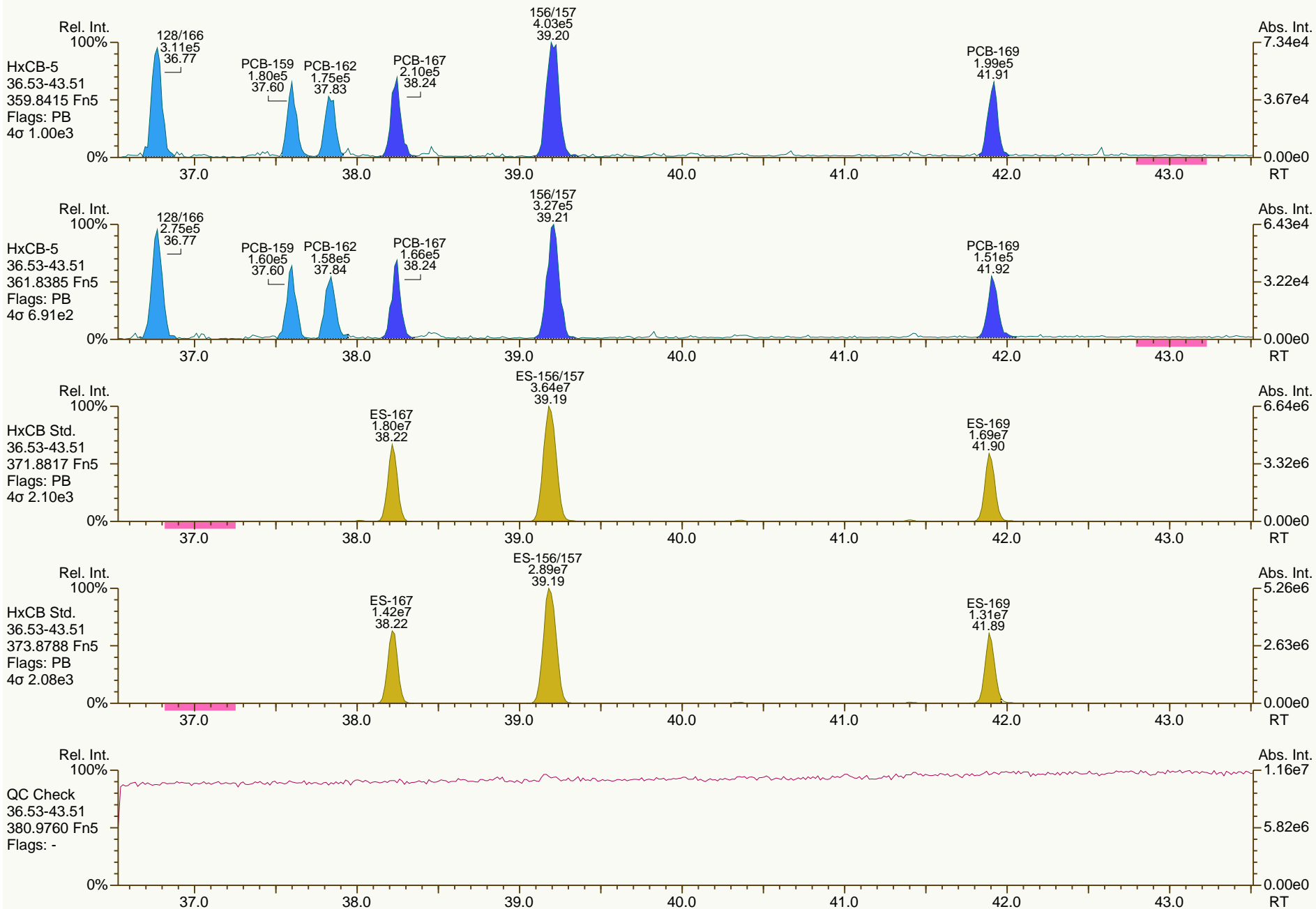
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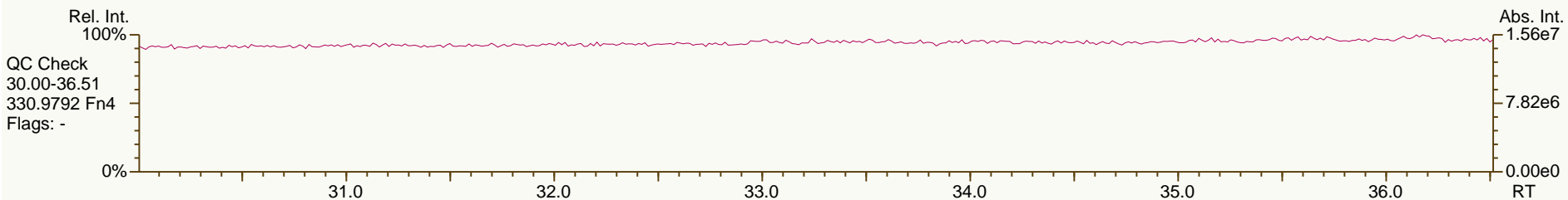
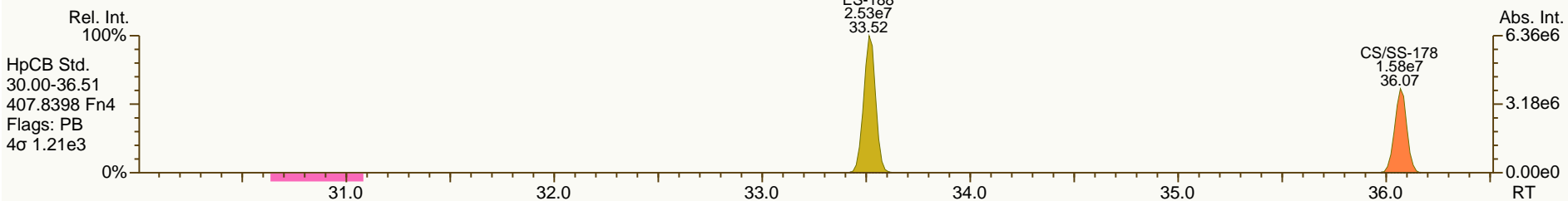
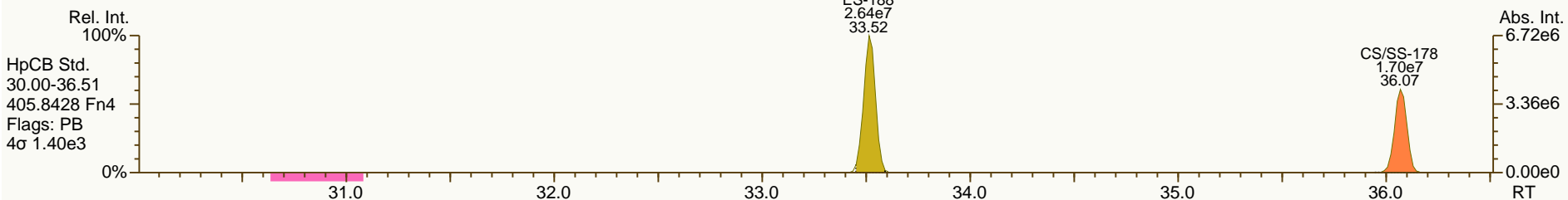
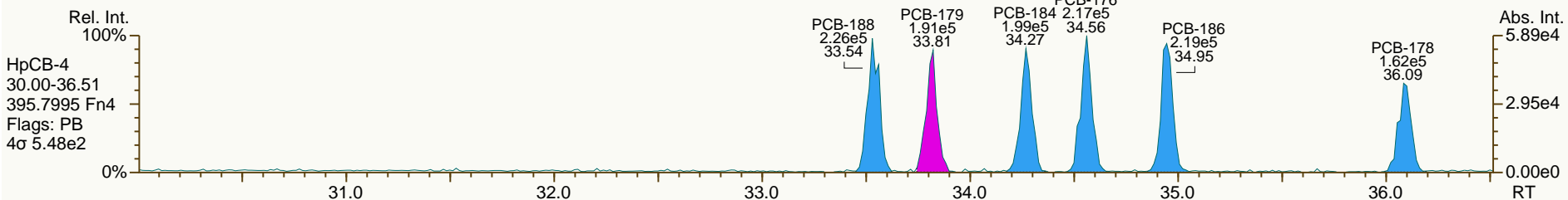
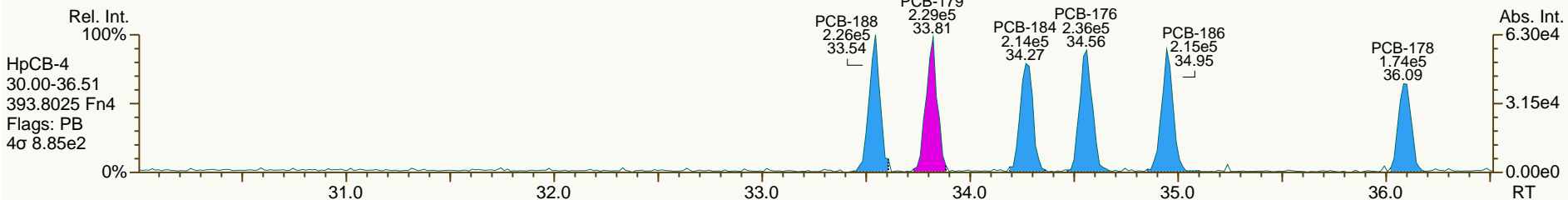
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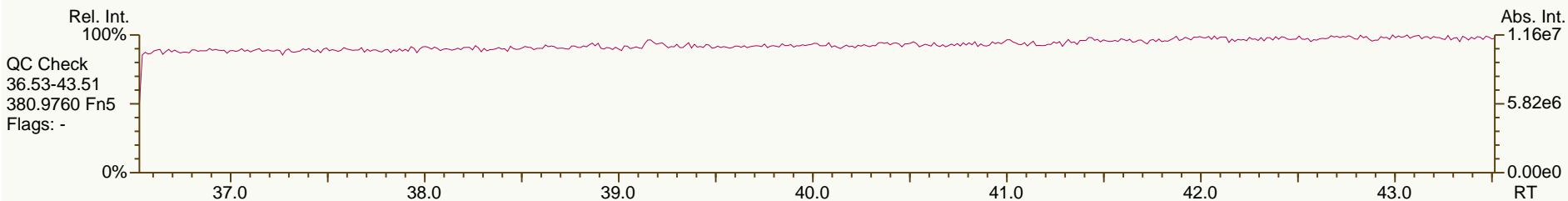
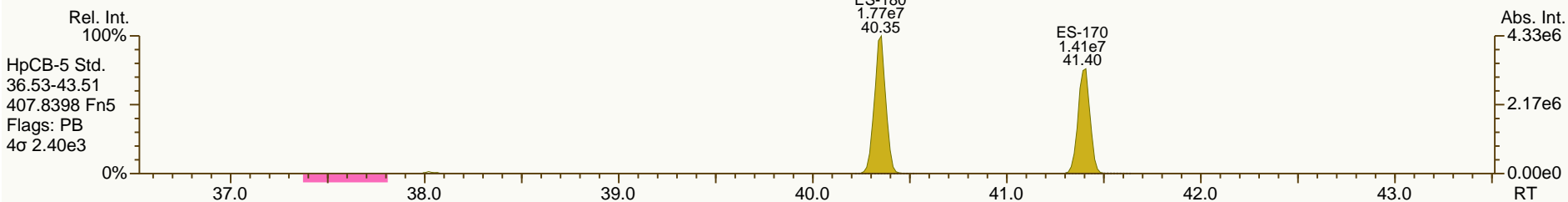
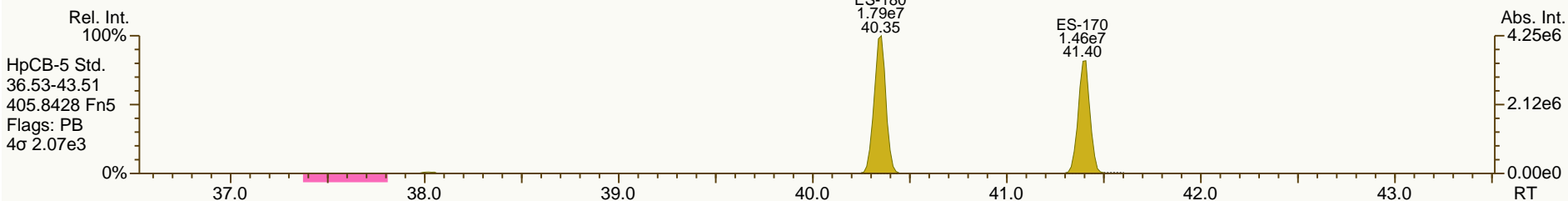
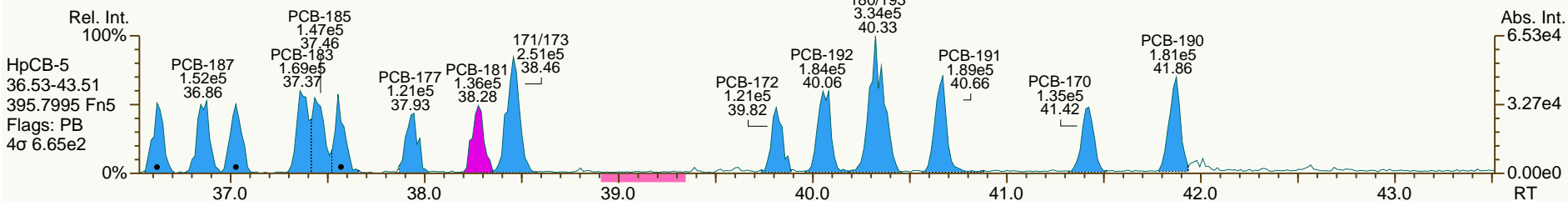
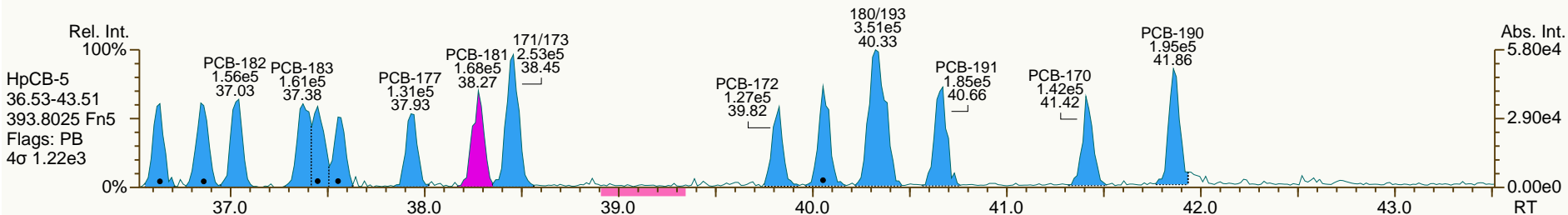
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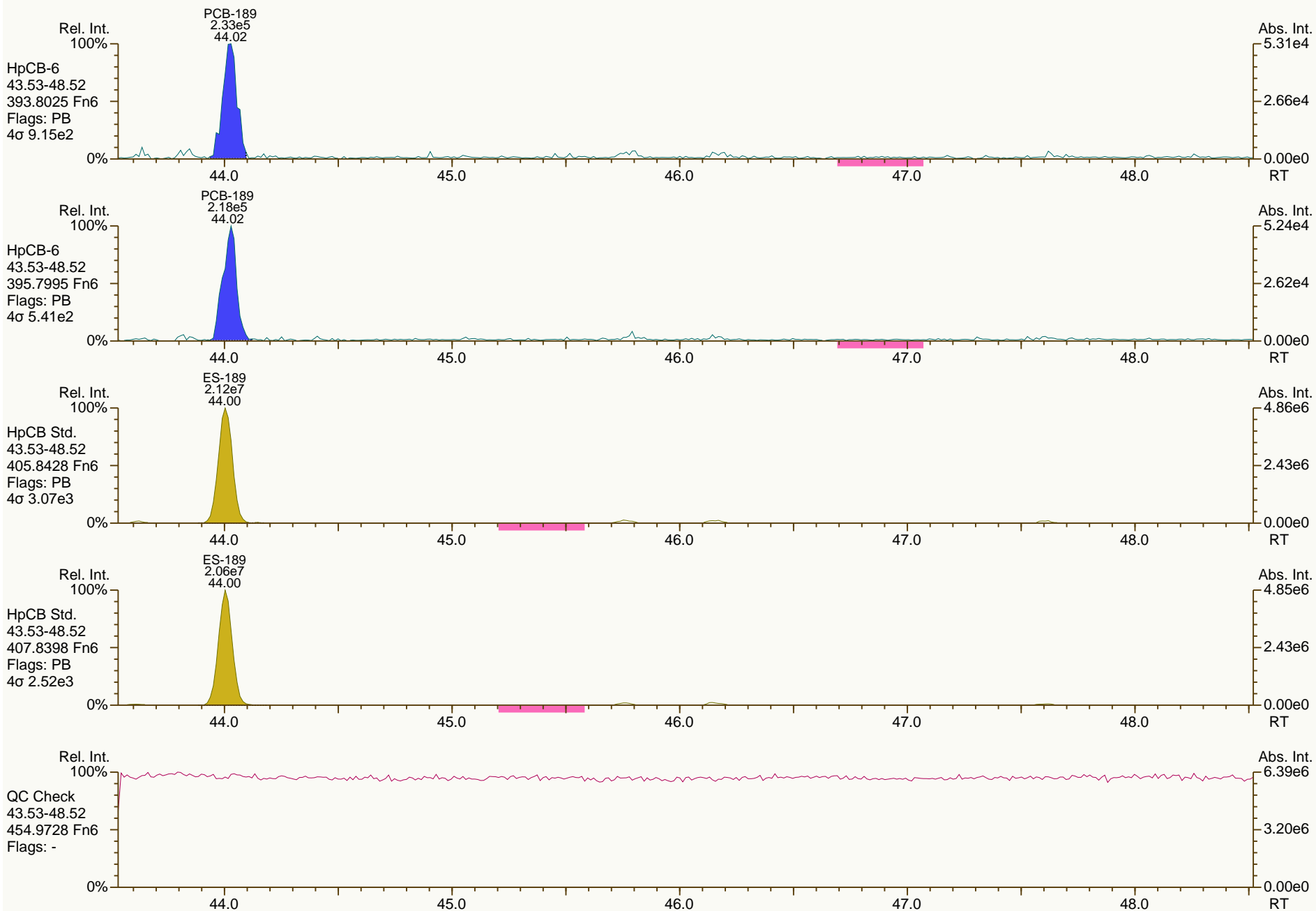
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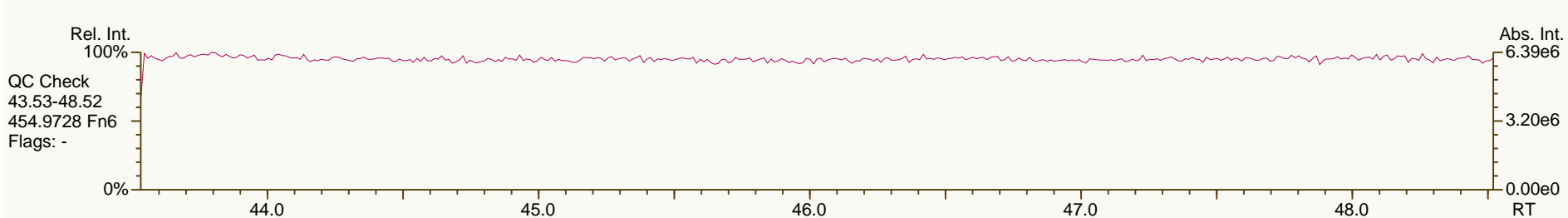
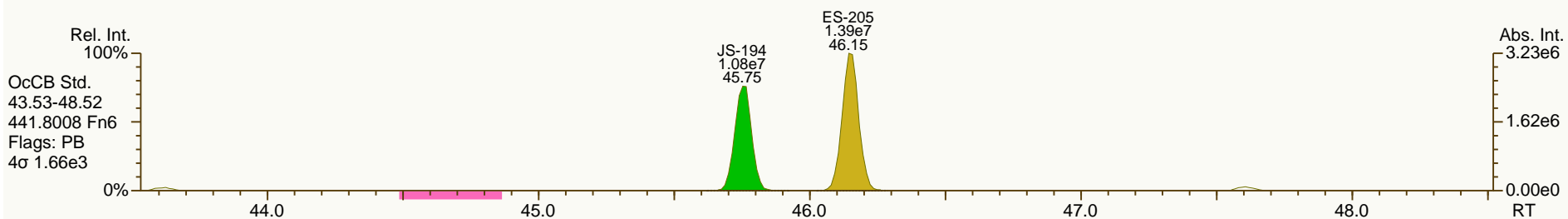
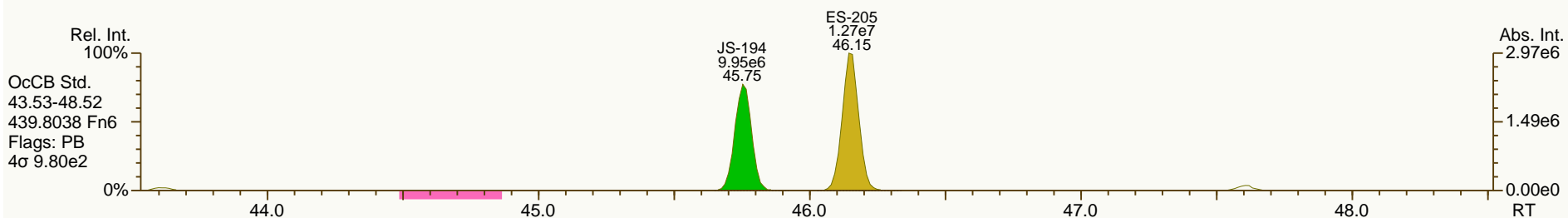
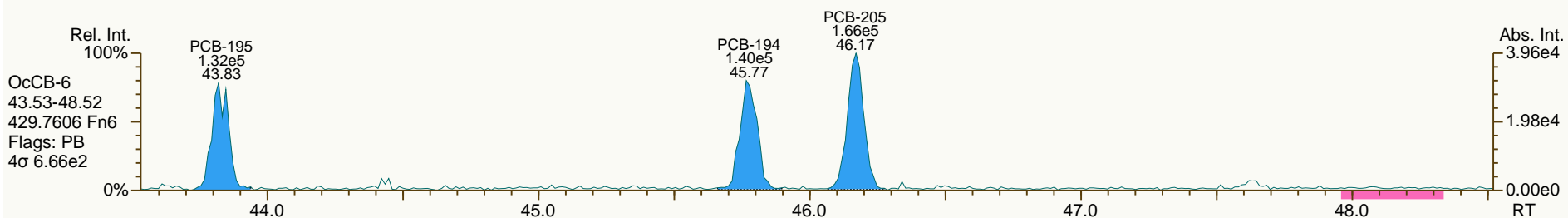
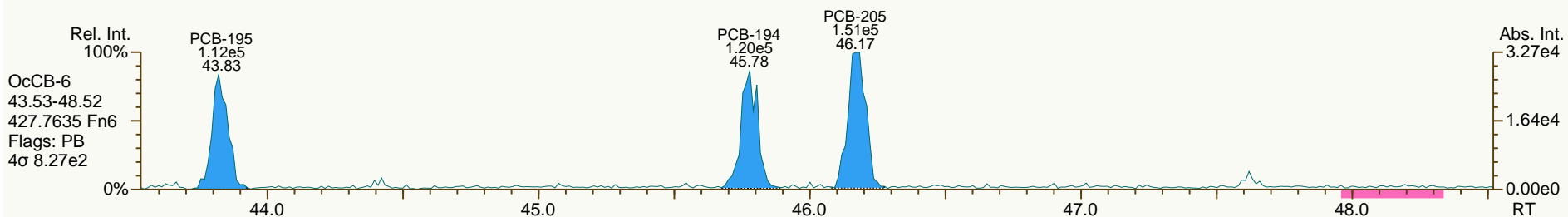
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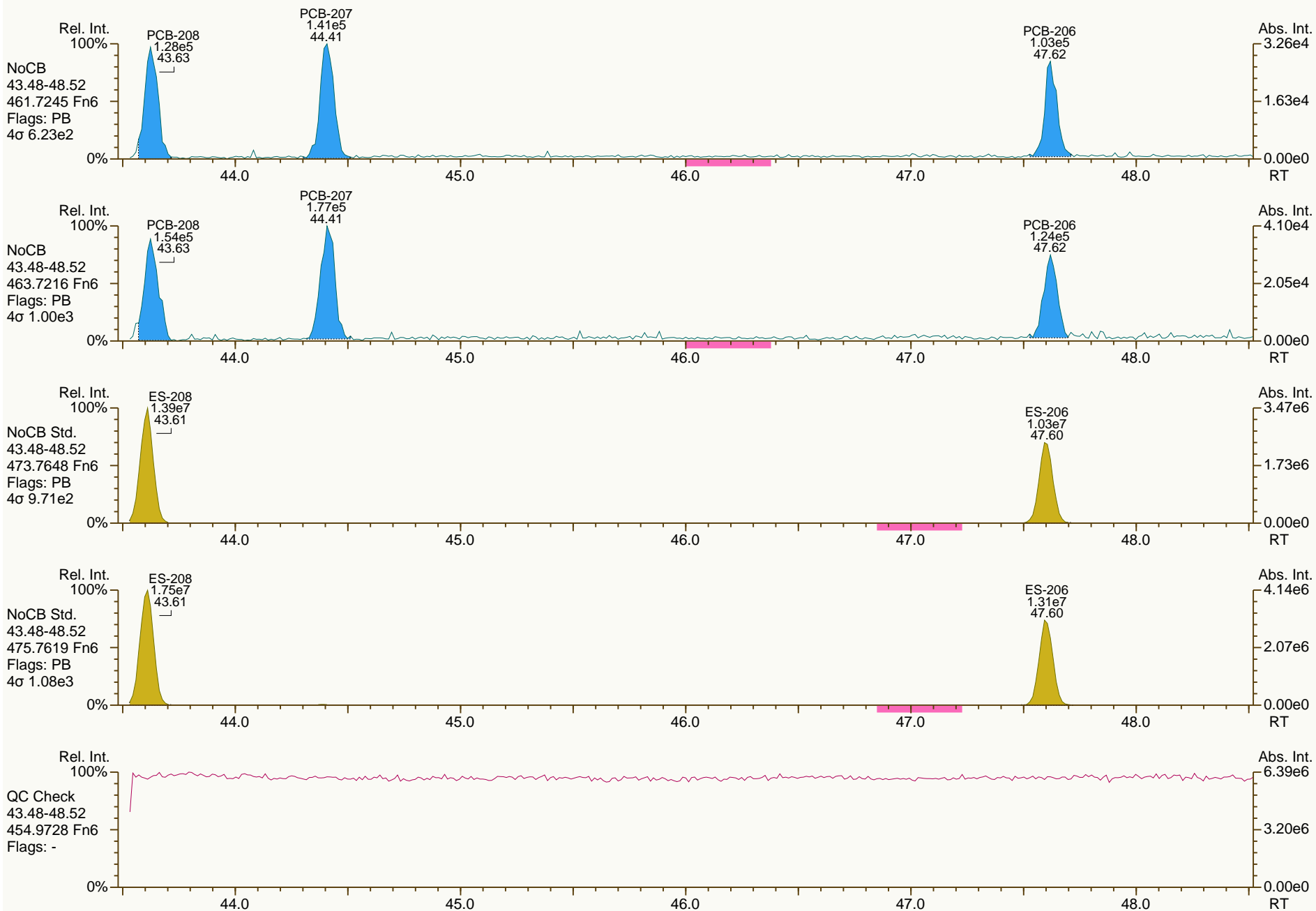
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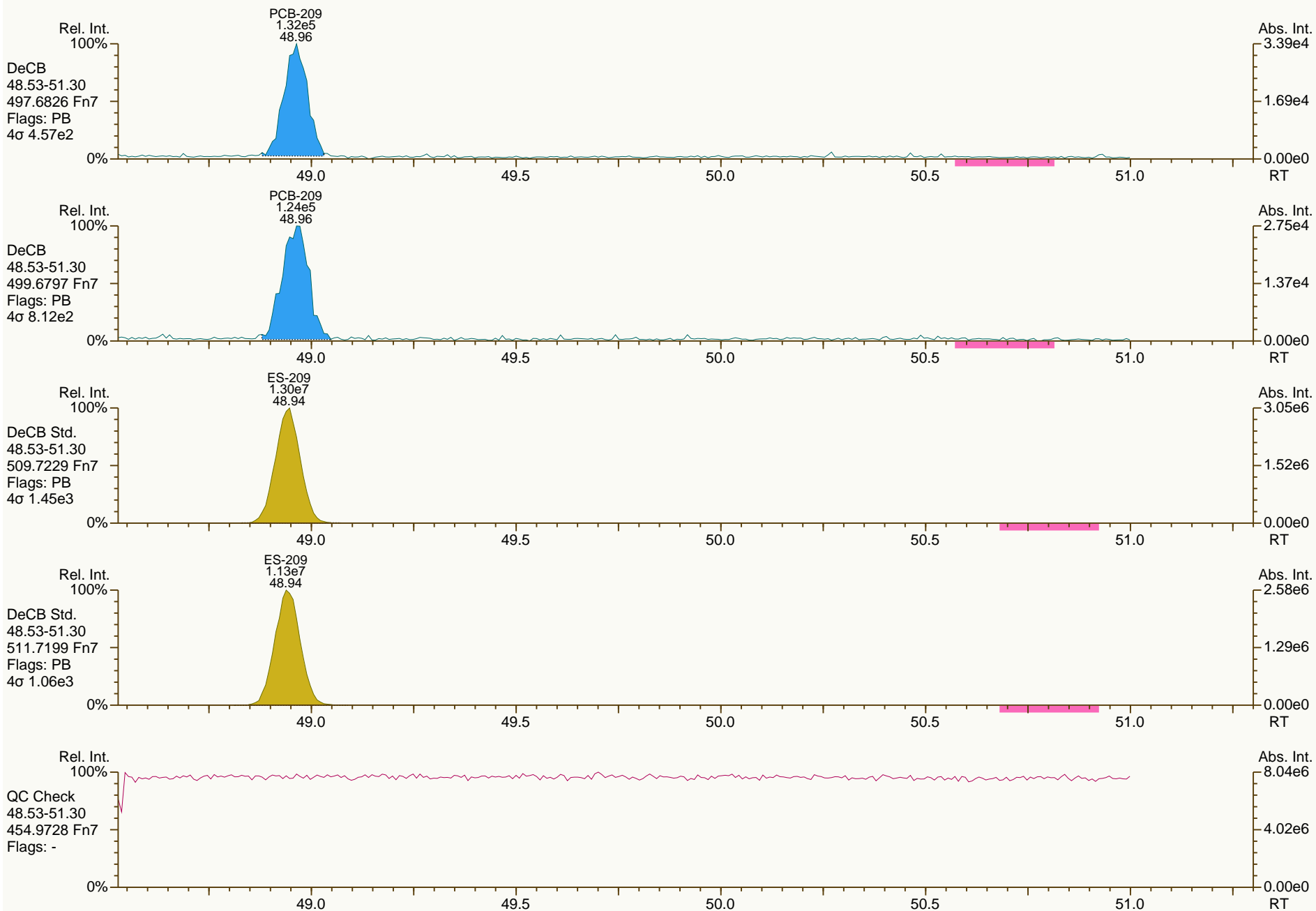
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 User: CEM Datafile: 120125V09



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.14	1.77E+06	0.75 Y	1.11	1.02	-8.2%	
PCB-81 344'5'-TeCB	30.67	1.83E+06	0.76 Y	1.13	1.10	-2.6%	
PCB-105 233'44'-PeCB	34.09	1.23E+06	0.63 Y	1.05	1.01	-4.0%	
PCB-114 2344'5'-PeCB	33.56	1.43E+06	0.63 Y	1.15	1.12	-2.7%	
PCB-118 23'44'5'-PeCB	33.11	1.36E+06	0.63 Y	1.04	1.02	-2.3%	
PCB-123 2'344'5'-PeCB	32.83	1.34E+06	0.64 Y	1.01	1.01	-0.2%	
PCB-126 33'44'5'-PeCB	36.69	1.48E+06	0.67 Y	1.06	1.05	-0.4%	
PCB-156/157 233'44'5'/233'44'5'	39.22	2.70E+06	1.29 Y	1.16	1.15	-0.8%	
PCB-167 23'44'55'-HxCB	38.25	1.38E+06	1.18 Y	1.24	1.20	-3.3%	
PCB-169 33'44'55'-HxCB	41.92	1.20E+06	1.29 Y	1.19	1.13	-4.9%	
PCB-189 233'44'55'-HpCB	44.04	1.55E+06	1.03 Y	1.05	1.03	-2.3%	
PCB-209 DeCB	48.97	8.97E+05	1.18 Y	1.09	1.06	-2.7%	
ES PCB-1	10.91	6.97E+07	3.38 Y	1.02	1.01	-1.1%	
ES PCB-3	13.04	6.84E+07	3.41 Y	1.02	0.99	-2.9%	
ES PCB-4	13.27	4.60E+07	1.53 Y	0.68	0.67	-2.3%	
ES PCB-15	18.72	6.75E+07	1.55 Y	1.06	0.98	-7.6%	
ES PCB-19	16.18	3.33E+07	1.03 Y	0.49	0.48	-2.3%	
ES PCB-37	24.88	4.52E+07	1.12 Y	1.51	1.37	-9.4%	
ES PCB-54	18.97	4.69E+07	0.76 Y	1.37	1.42	3.6%	
ES PCB-77	31.12	3.48E+07	0.80 Y	1.17	1.05	-10.1%	
ES PCB-81	30.65	3.33E+07	0.80 Y	1.13	1.01	-11.1%	
ES PCB-104	23.82	4.24E+07	1.53 Y	1.90	2.03	6.5%	
ES PCB-105	34.07	2.42E+07	1.52 Y	1.15	1.16	1.0%	
ES PCB-114	33.54	2.55E+07	1.59 Y	1.22	1.22	0.1%	
ES PCB-118	33.08	2.67E+07	1.56 Y	1.24	1.28	2.7%	
ES PCB-123	32.80	2.66E+07	1.55 Y	1.29	1.27	-1.3%	
ES PCB-126	36.67	2.82E+07	1.62 Y	1.40	1.35	-3.5%	
ES PCB-153	34.66	2.67E+07	1.30 Y	1.09	1.08	-0.8%	
ES PCB-155	28.70	3.65E+07	1.28 Y	1.45	1.48	2.2%	
ES PCB-156/157	39.20	4.69E+07	1.28 Y	0.94	0.95	0.9%	
ES PCB-167	38.23	2.30E+07	1.26 Y	0.93	0.93	0.1%	
ES PCB-169	41.91	2.12E+07	1.28 Y	0.88	0.86	-2.1%	
ES PCB-170	41.41	2.10E+07	1.07 Y	1.40	1.42	1.1%	
ES PCB-180	40.36	2.53E+07	1.02 Y	1.74	1.70	-2.4%	
ES PCB-188	33.53	3.74E+07	1.05 Y	1.52	1.52	-0.1%	
ES PCB-189	44.02	3.00E+07	1.04 Y	2.05	2.02	-1.3%	
ES PCB-202	38.03	3.07E+07	0.89 Y	1.21	1.24	2.9%	
ES PCB-205	46.16	1.87E+07	0.91 Y	1.28	1.26	-1.9%	
ES PCB-206	47.61	1.63E+07	0.76 Y	1.12	1.10	-2.2%	
ES PCB-208	43.62	2.25E+07	0.80 Y	1.46	1.51	3.5%	
ES PCB-209	48.95	1.70E+07	1.19 Y	1.16	1.14	-1.7%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	5.37E+07	1.09 Y	1.09	1.19	8.9%	
SS PCB-111	31.15	2.52E+07	1.52 Y	0.93	0.95	1.4%	
SS PCB-178	36.08	2.34E+07	1.07 Y	0.63	0.62	-0.2%	
CS PCB-28	21.40	5.37E+07	1.09 Y	1.64	1.62	-1.1%	
CS PCB-111	31.15	2.52E+07	1.52 Y	1.20	1.20	0.2%	
CS PCB-178	36.08	2.34E+07	1.07 Y	0.95	0.95	-0.3%	
JS PCB-9	15.14	6.89E+07	1.58 Y	-	-	-	
JS PCB-52	22.99	3.30E+07	0.79 Y	-	-	-	
JS PCB-101	28.88	2.09E+07	1.59 Y	-	-	-	
JS PCB-138	35.70	2.47E+07	1.32 Y	-	-	-	
JS PCB-194	45.77	1.49E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	10.92	3.42E+06	3.21 Y	1.00	0.98	-1.4%	
PCB-3 4-MoCB	13.05	3.22E+06	3.06 Y	0.96	0.94	-2.1%	
PCB-4 22'-DiCB	13.28	1.88E+06	1.53 Y	0.82	0.82	-0.8%	
PCB-15 44'-DiCB	18.73	3.14E+06	1.56 Y	0.95	0.93	-2.2%	
PCB-19 22'6'-TrCB	16.20	1.47E+06	1.03 Y	0.92	0.88	-4.2%	
PCB-37 344'-TrCB	24.90	2.53E+06	1.06 Y	1.07	1.12	4.1%	
PCB-54 22'66'-TeCB	18.99	2.33E+06	0.79 Y	1.04	0.99	-4.6%	
PCB-104 22'466'-PeCB	23.84	2.09E+06	0.63 Y	1.02	0.99	-3.0%	
PCB-153 22'44'55' -HxCB	34.70	2.91E+06	1.22 Y	1.12	1.09	-2.7%	
PCB-155 22'44'66'-HxCB	28.72	1.85E+06	1.23 Y	1.04	1.02	-1.9%	
PCB-170 22'33'44'5-HpCB	41.43	9.73E+05	1.07 Y	0.99	0.92	-6.2%	
PCB-180 22'344'55'-HpCB	40.35	2.40E+06	0.99 Y	0.97	0.95	-1.4%	
PCB-188 22'34'566'-HpCB	33.55	1.75E+06	1.02 Y	0.94	0.93	-1.1%	
PCB-202 22'33'55'66'-OcCB	38.05	1.24E+06	0.93 Y	0.86	0.81	-5.9%	
PCB-205 233'44'55'6-OcCB	46.18	1.08E+06	0.92 Y	1.20	1.15	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.64	1.09E+06	0.79 Y	1.01	0.97	-4.0%	
PCB-206 22'33'44'55'6-NoCB	47.63	7.61E+05	0.75 Y	0.95	0.93	-2.2%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	3.42E+06	3.21 Y	1.00	0.98	-1.4%	
PCB-2 3-MoCB	12.88	3.18E+06	3.06 Y	0.95	0.93	-1.9%	
PCB-3 4-MoCB	13.05	3.22E+06	3.06 Y	0.96	0.94	-2.1%	
PCB-4 22'-DiCB	13.28	1.88E+06	1.53 Y	0.82	0.82	-0.8%	
PCB-10 26-DiCB	13.45	2.95E+06	1.47 Y	1.33	1.29	-3.0%	
PCB-9 25-DiCB	15.16	2.86E+06	1.56 Y	0.84	0.85	0.5%	
PCB-7 24-DiCB	15.31	3.23E+06	1.51 Y	0.95	0.96	0.7%	
PCB-6 23'-DiCB	15.53	3.01E+06	1.52 Y	0.91	0.89	-2.2%	
PCB-5 23-DiCB	15.81	2.97E+06	1.54 Y	0.90	0.88	-1.9%	
PCB-8 24'-DiCB	15.93	3.09E+06	1.50 Y	0.93	0.92	-1.2%	
PCB-14 35-DiCB	17.42	3.50E+06	1.54 Y	1.04	1.04	-0.2%	
PCB-11 33'-DiCB	18.17	2.86E+06	1.50 Y	0.89	0.85	-5.2%	
PCB-13/12 34'-/34-DiCB	18.46	5.83E+06	1.49 Y	0.88	0.86	-2.0%	
PCB-15 44'-DiCB	18.73	3.14E+06	1.56 Y	0.95	0.93	-2.2%	
PCB-19 22'6-TrCB	16.20	1.47E+06	1.03 Y	0.92	0.88	-4.2%	
PCB-30/18 246-/22'5-TrCB	17.89	3.72E+06	1.04 Y	1.19	1.12	-6.3%	
PCB-17 22'4-TrCB	18.27	1.55E+06	1.05 Y	1.03	0.93	-9.8%	
PCB-27 23'6-TrCB	18.46	2.17E+06	1.07 Y	1.39	1.31	-6.4%	
PCB-24 236-TrCB	18.59	2.11E+06	1.04 Y	1.34	1.27	-5.3%	
PCB-16 22'3-TrCB	18.68	1.16E+06	1.03 Y	0.77	0.70	-9.6%	
PCB-32 24'6-TrCB	19.15	2.26E+06	1.07 Y	1.45	1.36	-6.0%	
PCB-34 2'35-TrCB	20.27	2.80E+06	1.04 Y	1.16	1.24	7.0%	
PCB-23 235-TrCB	20.41	2.92E+06	1.04 Y	1.18	1.29	9.6%	
PCB-26/29 23'5-/245-TrCB	20.69	5.86E+06	1.03 Y	1.20	1.30	8.4%	
PCB-25 23'4-TrCB	20.88	2.89E+06	1.06 Y	1.22	1.28	4.6%	
PCB-31 24'5-TrCB	21.16	2.95E+06	1.05 Y	1.21	1.30	7.5%	
PCB-28/20 244'-/233'-TrCB	21.43	5.71E+06	1.04 Y	1.18	1.26	7.0%	
PCB-21/33 234-/2'34-TrCB	21.60	5.71E+06	1.06 Y	1.21	1.26	4.7%	
PCB-22 234'-TrCB	21.97	2.69E+06	1.05 Y	1.10	1.19	7.9%	
PCB-36 33'5-TrCB	23.34	2.75E+06	1.06 Y	1.17	1.22	3.6%	
PCB-39 34'5-TrCB	23.65	2.91E+06	1.05 Y	1.24	1.28	4.0%	
PCB-38 345-TrCB	24.16	2.47E+06	1.08 Y	1.07	1.09	2.0%	
PCB-35 33'4-TrCB	24.55	2.35E+06	1.10 Y	1.03	1.04	0.6%	
PCB-37 344'-TrCB	24.90	2.53E+06	1.06 Y	1.07	1.12	4.1%	
PCB-54 22'66'-TeCB	18.99	2.33E+06	0.79 Y	1.04	0.99	-4.6%	
PCB-50/53 22'46-/22'56'TeCB	20.93	2.92E+06	0.76 Y	0.80	0.88	9.4%	
PCB-45 22'36'-TeCB	21.50	1.44E+06	0.74 Y	0.73	0.86	18.5%	
PCB-51 22'46'-TeCB	21.57	1.30E+06	0.74 Y	0.76	0.78	3.4%	
PCB-46 22'36'-TeCB	21.77	1.17E+06	0.77 Y	0.65	0.70	8.1%	
PCB-52 22'55'-TeCB	23.01	1.34E+06	0.76 Y	0.77	0.80	4.5%	
PCB-73 23'5'6TeCB	23.14	1.86E+06	0.78 Y	1.00	1.12	11.3%	
PCB-43 22'35'-TeCB	23.23	1.12E+06	0.80 Y	0.65	0.67	3.7%	
PCB-69/49 23'46-/22'45'TeCB	23.42	3.20E+06	0.74 Y	0.92	0.96	5.1%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.31E+06	0.78 Y	0.76	0.79	4.5%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.29E+06	0.76 Y	0.81	0.86	6.8%	
PCB-59/62/75 233'6'-/2346-/24	24.17	5.37E+06	0.75 Y	1.03	1.08	4.3%	
PCB-42 22'34'-TeCB	24.33	1.21E+06	0.74 Y	0.69	0.73	5.5%	
PCB-41 22'34'-TeCB	24.66	1.04E+06	0.74 Y	0.61	0.63	2.9%	
PCB-71/40 23'4'6'/22'33'-TeCB	24.75	2.74E+06	0.78 Y	0.77	0.82	7.2%	
PCB-64 234'6'-TeCB	24.95	1.89E+06	0.73 Y	1.08	1.13	4.6%	
PCB-72 23'55'-TeCB	25.67	2.07E+06	0.81 Y	1.24	1.25	0.1%	
PCB-68 23'45'-TeCB	25.92	2.28E+06	0.76 Y	1.36	1.37	0.5%	
PCB-57 233'5'-TeCB	26.28	2.10E+06	0.80 Y	1.23	1.26	2.1%	
PCB-58 233'5'-TeCB	26.48	2.12E+06	0.79 Y	1.23	1.28	3.7%	
PCB-67 23'45'-TeCB	26.63	2.18E+06	0.76 Y	1.27	1.31	3.2%	
PCB-63 234'5'-TeCB	26.86	2.33E+06	0.78 Y	1.36	1.40	3.0%	
PCB-61/70/74/76 2345-/23'4'5	27.14	8.15E+06	0.79 Y	1.22	1.23	0.6%	
PCB-66 23'44'-TeCB	27.42	1.93E+06	0.76 Y	1.17	1.16	-0.6%	
PCB-55 233'4'-TeCB	27.56	1.92E+06	0.79 Y	1.15	1.16	0.4%	
PCB-56 233'4'-TeCB	27.99	1.79E+06	0.74 Y	1.11	1.07	-3.2%	
PCB-60 2344'-TeCB	28.18	1.93E+06	0.77 Y	1.13	1.16	2.5%	
PCB-80 33'55'-TeCB	28.52	2.23E+06	0.82 Y	1.31	1.34	2.9%	
PCB-79 33'45'-TeCB	29.82	2.16E+06	0.79 Y	1.33	1.30	-2.3%	
PCB-78 33'45'-TeCB	30.30	1.74E+06	0.82 Y	1.06	1.05	-1.4%	
PCB-104 22'466'-PeCB	23.84	2.09E+06	0.63 Y	1.02	0.99	-3.0%	
PCB-96 22'366'-PeCB	24.15	1.74E+06	0.63 Y	0.86	0.82	-4.2%	
PCB-103 22'45'6'-PeCB	25.83	1.09E+06	0.66 Y	0.82	0.82	0.0%	
PCB-94 22'356'-PeCB	26.01	9.97E+05	0.59 Y	0.73	0.75	2.1%	
PCB-95 22'35'6'-PeCB	26.39	1.03E+06	0.58 Y	0.76	0.78	1.6%	
PCB-100/93 22'44'6'-/22'356-P	26.59	2.01E+06	0.63 Y	0.77	0.76	-1.2%	
PCB-102 22'456'-PeCB	26.70	1.14E+06	0.63 Y	0.85	0.86	0.4%	
PCB-98 22'3'46'-PeCB	26.77	9.12E+05	0.64 Y	0.72	0.69	-4.5%	
PCB-88 22'346'-PeCB	27.06	8.96E+05	0.64 Y	0.73	0.67	-7.2%	
PCB-91 22'34'6'-PeCB	27.13	1.05E+06	0.64 Y	0.82	0.79	-4.0%	
PCB-84 22'33'6'-PeCB	27.32	8.27E+05	0.64 Y	0.63	0.62	-2.1%	
PCB-89 22'346'-PeCB	27.73	8.93E+05	0.64 Y	0.66	0.67	1.6%	
PCB-121 23'45'6'-PeCB	28.09	1.28E+06	0.62 Y	1.00	0.96	-4.4%	
PCB-92 22'355'-PeCB	28.40	8.83E+05	0.65 Y	0.69	0.66	-3.8%	
PCB-113/90/101 233'5'6'-/22'3	28.87	3.25E+06	0.66 Y	0.83	0.82	-2.3%	
PCB-83 22'33'5'-PeCB	29.30	8.02E+05	0.63 Y	0.61	0.60	-1.8%	
PCB-99 22'44'5'-PeCB	29.40	1.06E+06	0.65 Y	0.79	0.80	1.5%	
PCB-112 233'56'-PeCB	29.50	1.25E+06	0.63 Y	0.98	0.94	-3.5%	
PCB-108/119/86/97/125/87 233	29.84	6.60E+06	0.64 Y	0.86	0.83	-3.8%	
PCB-117 234'56'-PeCB	30.36	1.10E+06	0.62 Y	0.85	0.83	-2.8%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.27E+06	0.64 Y	0.86	0.85	-1.0%	
PCB-110 233'4'6'-PeCB	30.57	1.18E+06	0.62 Y	0.91	0.89	-1.9%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS2_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.39E+06	0.67 Y	1.02	1.05	2.9%	
PCB-82 22'33'4-PeCB	30.84	7.73E+05	0.67 Y	0.61	0.58	-4.7%	
PCB-111 233'55'-PeCB	31.18	1.35E+06	0.61 Y	1.02	1.01	-0.5%	
PCB-120 23'455'-PeCB	31.57	1.27E+06	0.65 Y	1.01	0.96	-4.8%	
PCB-107/124 233'4'5-/2'3455'	32.52	2.42E+06	0.62 Y	0.92	0.91	-1.3%	
PCB-109 233'46-PeCB	32.72	1.33E+06	0.63 Y	1.01	1.00	-0.3%	
PCB-106 233'45-PeCB	32.93	1.21E+06	0.64 Y	0.93	0.91	-2.6%	
PCB-122 2'33'45-PeCB	33.39	1.18E+06	0.64 Y	0.91	0.92	1.3%	
PCB-127 33'455'-PeCB	35.34	1.17E+06	0.64 Y	1.01	0.97	-4.4%	
PCB-155 22'44'66'-HxCB	28.72	1.85E+06	1.23 Y	1.04	1.02	-1.9%	
PCB-152 22'3566'-HxCB	28.88	1.73E+06	1.27 Y	0.99	0.95	-4.4%	
PCB-150 22'34'66'-HxCB	29.02	1.65E+06	1.24 Y	0.97	0.91	-6.5%	
PCB-136 22'33'66'-HxCB	29.32	1.57E+06	1.22 Y	0.91	0.86	-5.3%	
PCB-145 22'3466'HxCB	29.58	1.62E+06	1.22 Y	0.93	0.89	-4.0%	
PCB-148 22'34'56'-HxCB	30.86	1.25E+06	1.24 Y	0.94	0.93	-1.1%	
PCB-151/135 22'355'6-/22'33'	31.37	2.39E+06	1.24 Y	0.91	0.89	-1.1%	
PCB-154 22'44'5'6-HxCB	31.58	1.36E+06	1.22 Y	1.05	1.02	-3.7%	
PCB-144 22'345'6-HxCB	31.83	1.19E+06	1.25 Y	0.92	0.89	-3.3%	
PCB-147/149 22'34'56-/22'34'	32.13	2.43E+06	1.15 Y	0.94	0.91	-3.1%	
PCB-134 22'33'56-HxCB	32.30	1.03E+06	1.21 Y	0.72	0.77	7.5%	
PCB-143 22'3456'-HxCB	32.38	1.14E+06	1.29 Y	0.88	0.85	-3.2%	
PCB-139/140 22'344'6-/22'344'	32.64	2.42E+06	1.28 Y	0.93	0.90	-3.1%	
PCB-131 22'33'46-HxCB	32.81	1.10E+06	1.18 Y	0.82	0.82	0.0%	
PCB-142 22'3456-HxCB	32.95	1.12E+06	1.29 Y	0.84	0.84	0.6%	
PCB-132 22'33'46'-HxCB	33.19	1.13E+06	1.29 Y	0.84	0.85	0.6%	
PCB-133 22'33'55'-HxCB	33.61	1.18E+06	1.21 Y	0.86	0.88	2.9%	
PCB-165 233'55'6-HxCB	33.95	1.38E+06	1.22 Y	1.04	1.03	-1.3%	
PCB-146 22'34'55'-HxCB	34.16	1.18E+06	1.28 Y	0.92	0.88	-4.3%	
PCB-161 233'45'6-HxCB	34.27	1.60E+06	1.36 Y	1.20	1.20	-0.3%	
PCB-153/168 22'44'55'-/23'44'	34.70	2.91E+06	1.22 Y	1.12	1.09	-2.7%	
PCB-141 22'3455'-HxCB	34.84	1.12E+06	1.19 Y	0.87	0.84	-3.2%	
PCB-130 22'33'45'-HxCB	35.18	1.04E+06	1.35 Y	0.78	0.78	-0.3%	
PCB-137 22'344'5-HxCB	35.37	1.16E+06	1.14 Y	0.96	0.87	-10.0%	
PCB-164 233'4'5'6-HxCB	35.46	1.58E+06	1.20 Y	1.14	1.18	3.5%	
PCB-163/138/129 233'4'56-/22'	35.74	3.86E+06	1.23 Y	0.95	0.96	0.7%	
PCB-160 233'456-HxCB	35.87	1.48E+06	1.17 Y	1.12	1.11	-1.5%	
PCB-158 233'44'6-HxCB	36.06	1.67E+06	1.18 Y	1.25	1.25	-0.2%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.17E+06	1.27 Y	0.98	0.94	-4.2%	
PCB-159 233'455'-HxCB	37.61	1.26E+06	1.20 Y	1.14	1.10	-3.7%	
PCB-162 233'4'55'-HxCB	37.85	1.29E+06	1.25 Y	1.13	1.12	-0.9%	
PCB-188 22'34'566'-HpCB	33.55	1.75E+06	1.02 Y	0.94	0.93	-1.1%	
PCB-179 22'33'566'-HpCB	33.83	1.54E+06	0.96 Y	0.81	0.82	1.4%	
PCB-184 22'344'66'-HpCB	34.28	1.57E+06	1.00 Y	0.85	0.84	-1.4%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS2_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 21:23						
Datafile:	120125V10						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	1.75E+06	1.09 Y	0.93	0.94	0.6%	
PCB-186 22'34566'-HpCB	34.96	1.62E+06	1.05 Y	0.88	0.87	-1.0%	
PCB-178 22'33'55'6'-HpCB	36.10	1.20E+06	1.08 Y	0.66	0.64	-3.4%	
PCB-175 22'33'45'6'-HpCB	36.64	1.03E+06	1.07 Y	0.81	0.82	0.6%	
PCB-187 22'34'55'6'-HpCB	36.87	1.10E+06	1.04 Y	0.89	0.87	-2.1%	
PCB-182 22'344'56'-HpCB	37.04	1.10E+06	1.07 Y	0.89	0.87	-1.8%	
PCB-183 22'344'5'6'-HpCB	37.38	1.04E+06	1.03 Y	0.91	0.82	-9.1%	
PCB-185 22'3455'6'-HpCB	37.46	1.12E+06	1.09 Y	0.87	0.89	2.2%	
PCB-174 22'33'456'-HpCB	37.57	9.53E+05	1.11 Y	0.76	0.75	-1.1%	
PCB-177 22'33'4'56'-HpCB	37.95	9.15E+05	1.02 Y	0.75	0.72	-3.5%	
PCB-181 22'344'56'-HpCB	38.29	1.10E+06	1.05 Y	0.87	0.87	-0.2%	
PCB-171/173 22'33'44'6'-/22'3	38.46	1.90E+06	1.03 Y	0.76	0.75	-1.7%	
PCB-172 22'33'455'-HpCB	39.83	9.45E+05	1.03 Y	0.76	0.75	-1.7%	
PCB-192 233'455'6'-HpCB	40.07	1.29E+06	0.99 Y	1.02	1.02	-0.4%	
PCB-180/193 22'344'55'-/233'	40.35	2.40E+06	0.99 Y	0.97	0.95	-1.4%	
PCB-191 233'44'5'6'-HpCB	40.67	1.36E+06	1.01 Y	1.05	1.08	2.3%	
PCB-170 22'33'44'5'-HpCB	41.43	9.73E+05	1.07 Y	0.99	0.92	-6.2%	
PCB-190 233'44'56'-HpCB	41.88	1.37E+06	1.06 Y	1.37	1.30	-4.6%	
PCB-202 22'33'55'66'-OcCB	38.05	1.24E+06	0.93 Y	0.86	0.81	-5.9%	
PCB-201 22'33'45'66'-OcCB	38.83	1.42E+06	0.90 Y	0.96	0.93	-3.3%	
PCB-204 22'344'566'-OcCB	39.40	1.40E+06	0.97 Y	0.93	0.91	-1.2%	
PCB-197 22'33'44'66'-OcCB	39.59	1.46E+06	0.86 Y	0.99	0.95	-3.7%	
PCB-200 22'33'4566'-OcCB	39.67	1.40E+06	0.94 Y	0.91	0.91	-0.3%	
PCB-198/199 22'33'455'6'-/22'	42.00	1.99E+06	0.91 Y	0.68	0.65	-5.1%	
PCB-196 22'33'44'56'-OcCB	42.57	1.00E+06	0.86 Y	0.69	0.65	-5.2%	
PCB-203 22'344'55'6'-OcCB	42.73	1.04E+06	0.87 Y	0.73	0.68	-7.3%	
PCB-195 22'33'44'56'-OcCB	43.84	8.55E+05	0.96 Y	0.92	0.91	-0.3%	
PCB-194 22'33'44'55'-OcCB	45.79	8.72E+05	0.91 Y	0.96	0.93	-2.7%	
PCB-205 233'44'55'6'-OcCB	46.18	1.08E+06	0.92 Y	1.20	1.15	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.64	1.09E+06	0.79 Y	1.01	0.97	-4.0%	
PCB-207 22'33'44'566'-NoCB	44.42	1.10E+06	0.77 Y	1.06	0.98	-7.1%	
PCB-206 22'33'44'55'6'-NoCB	47.63	7.61E+05	0.75 Y	0.95	0.93	-2.2%	

AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

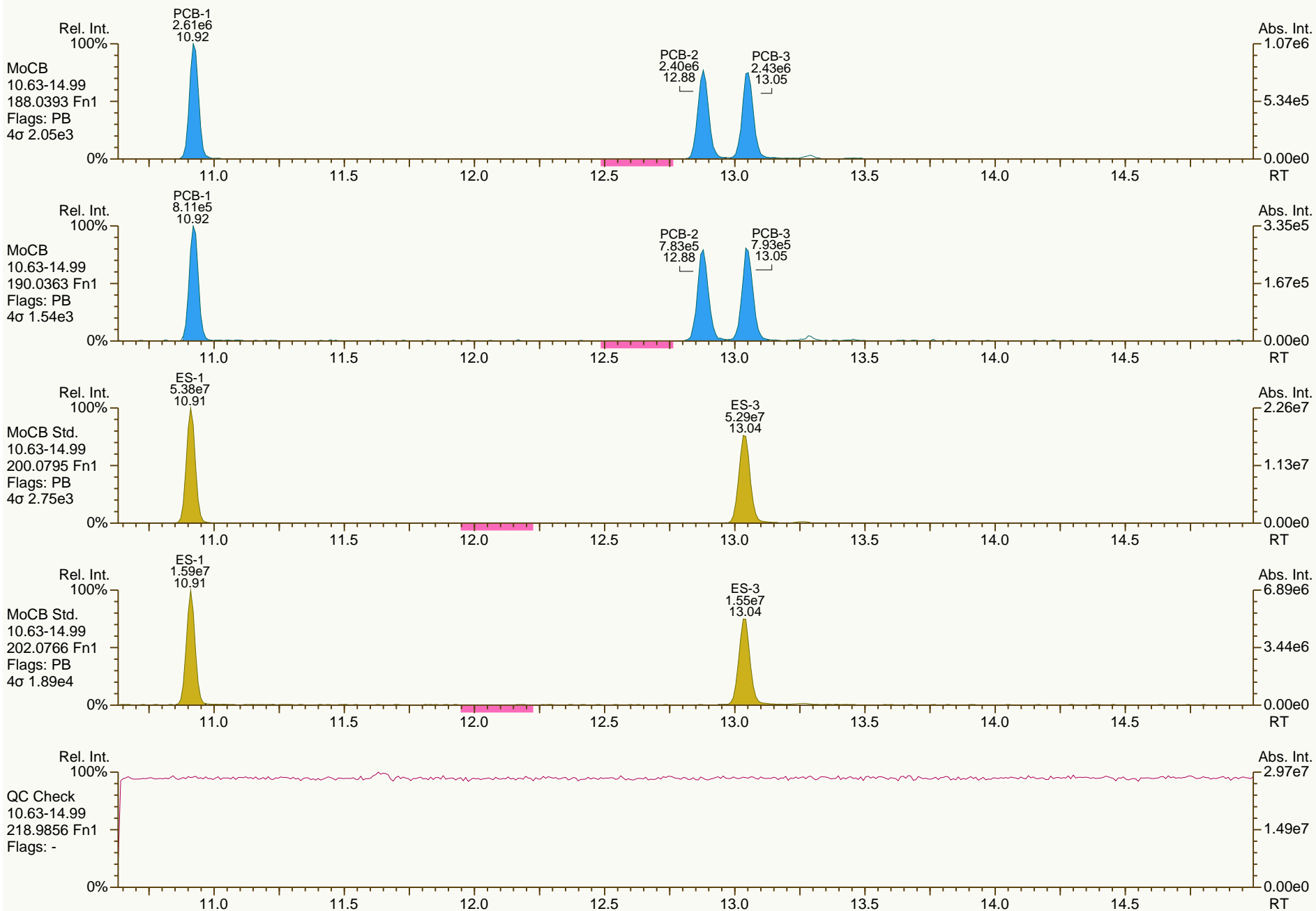
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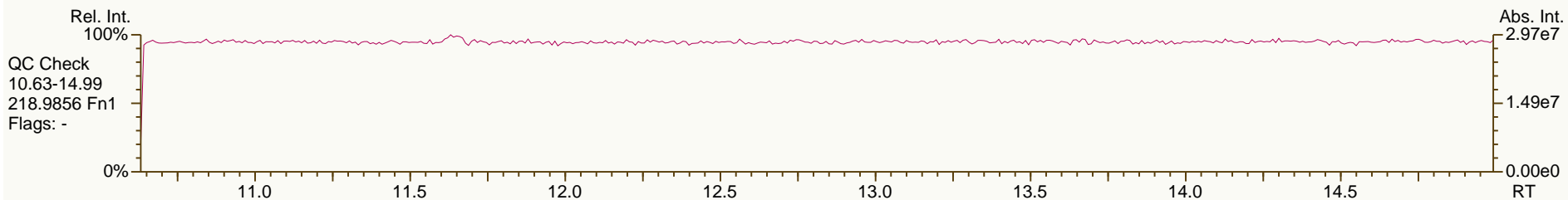
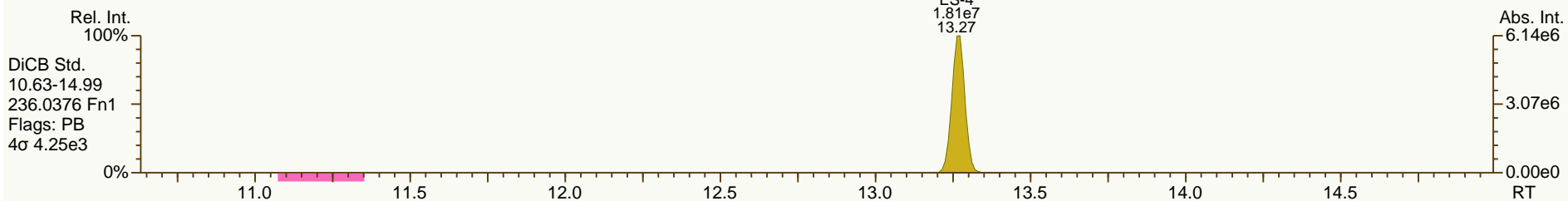
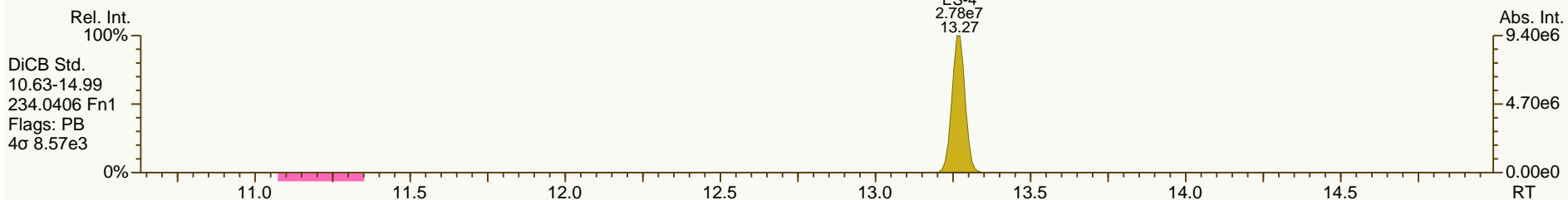
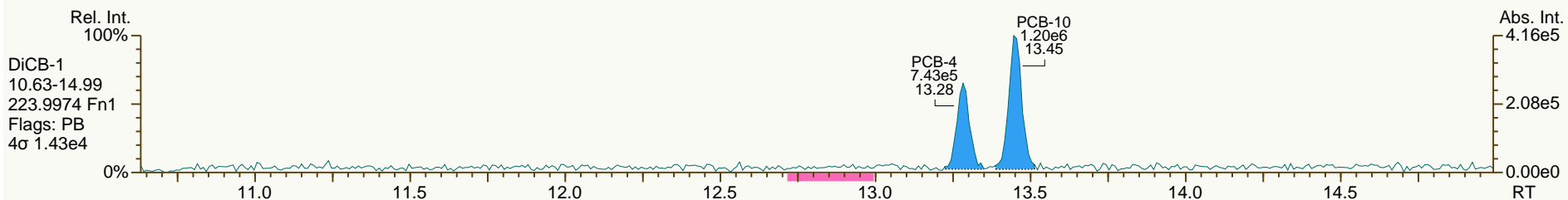
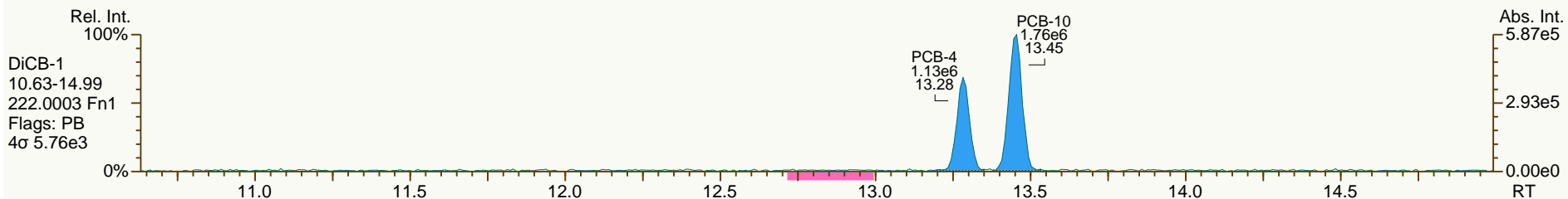
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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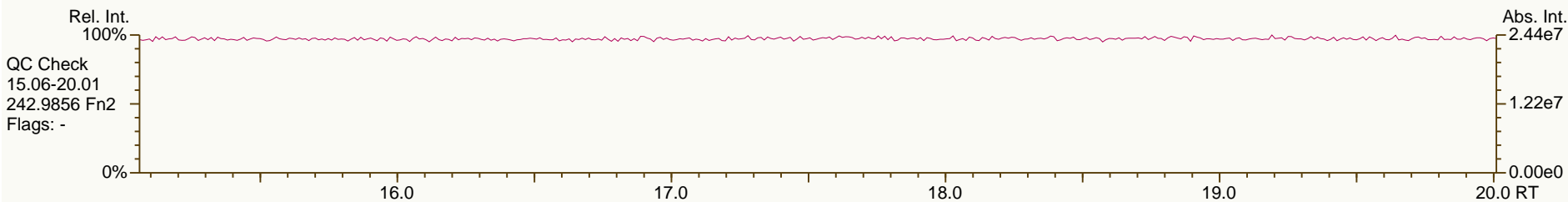
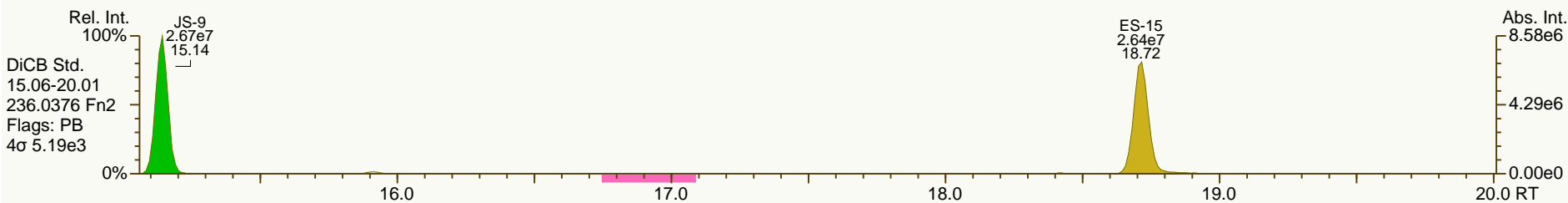
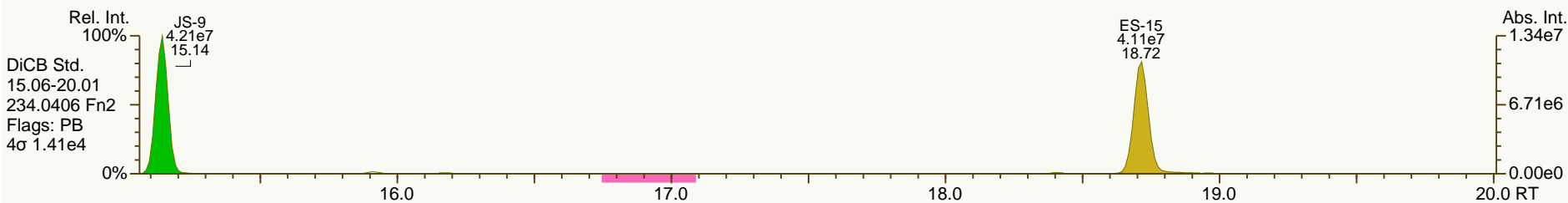
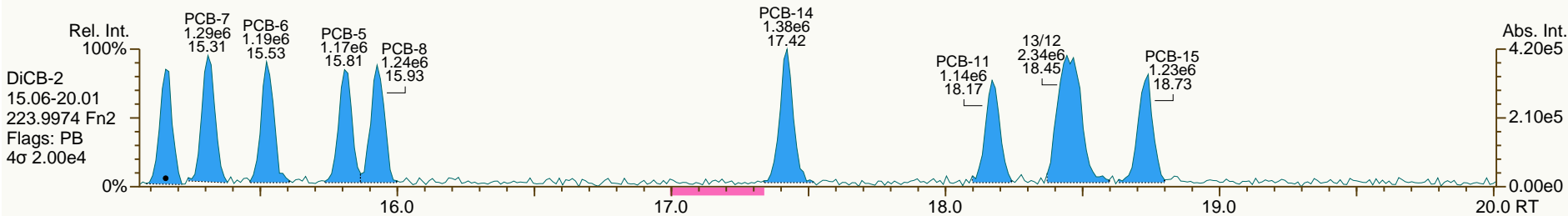
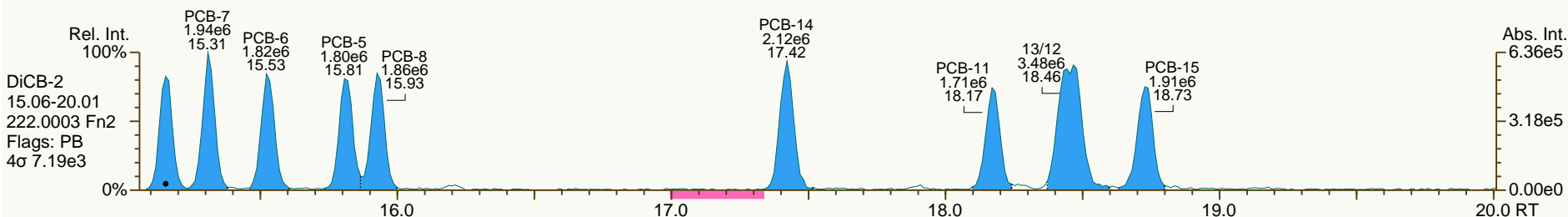
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AP Lab ID: CS2_120125_PCB_VA
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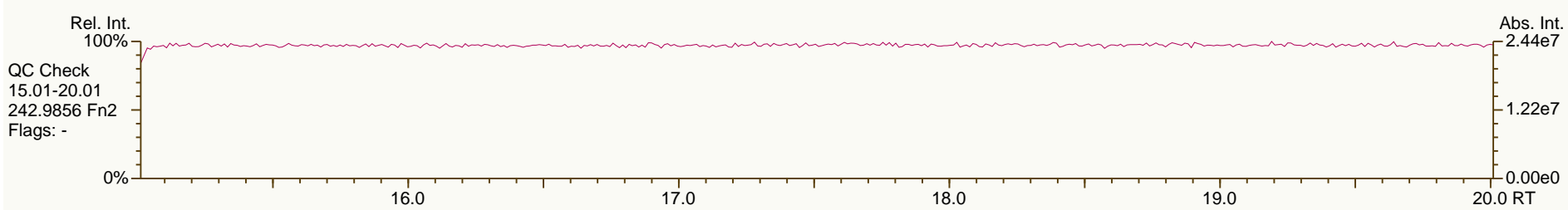
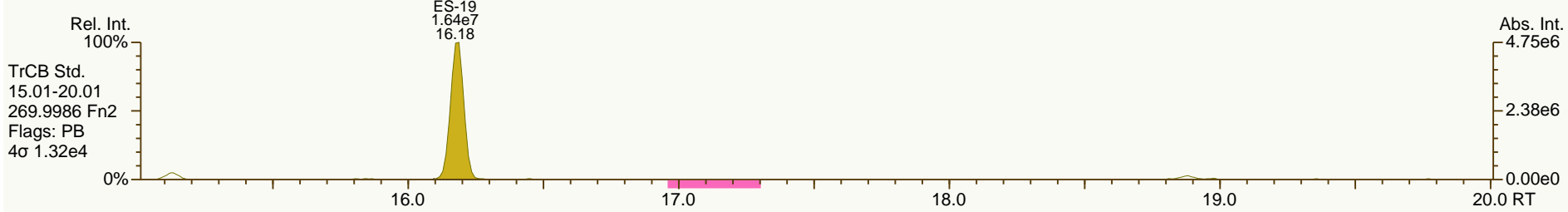
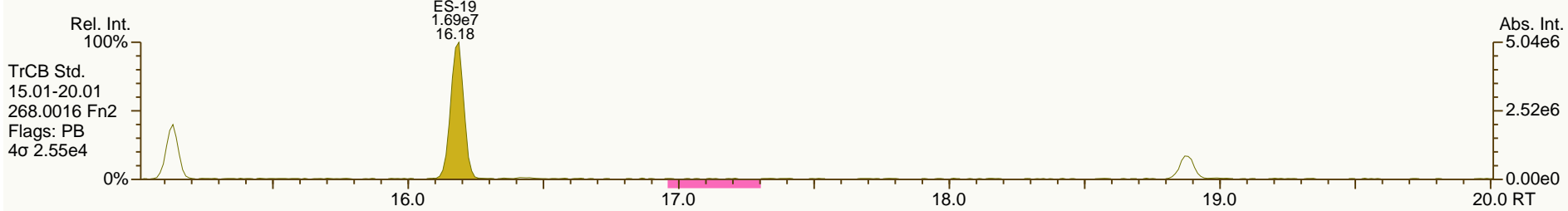
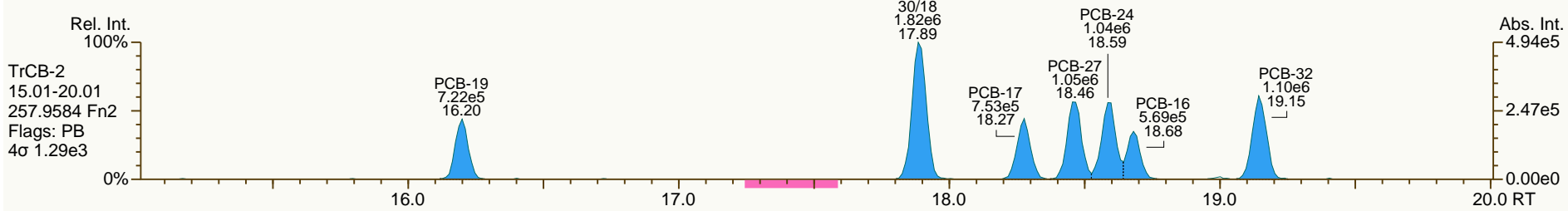
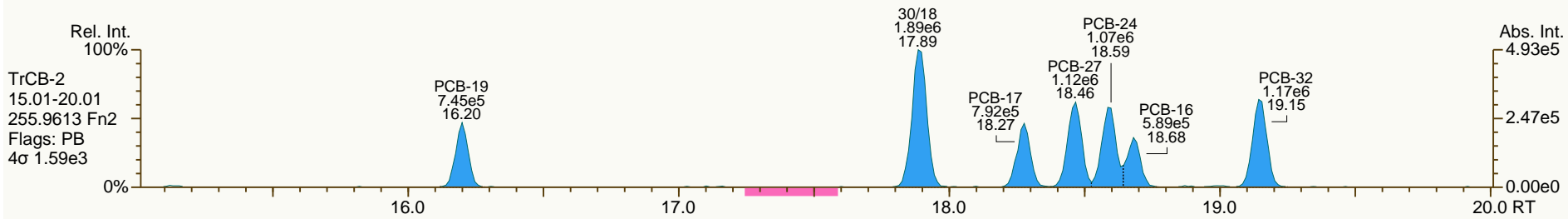
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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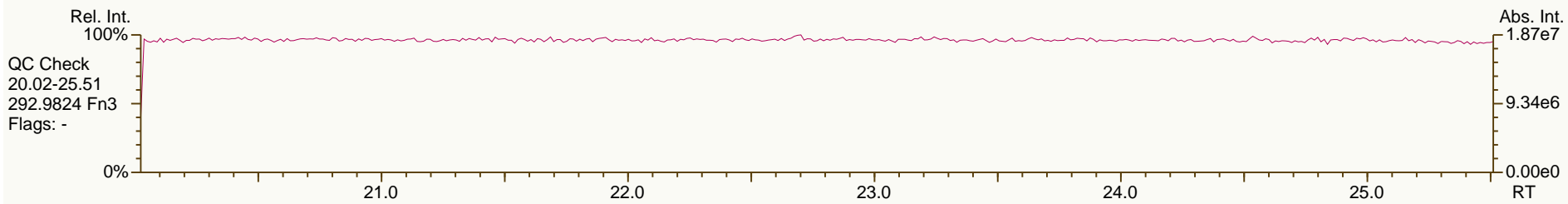
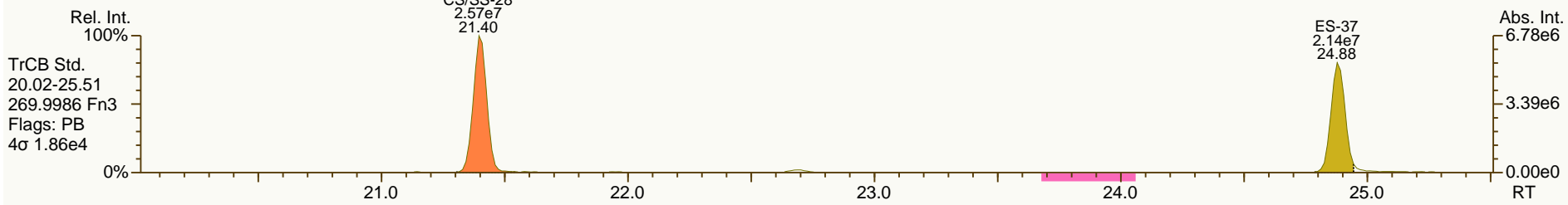
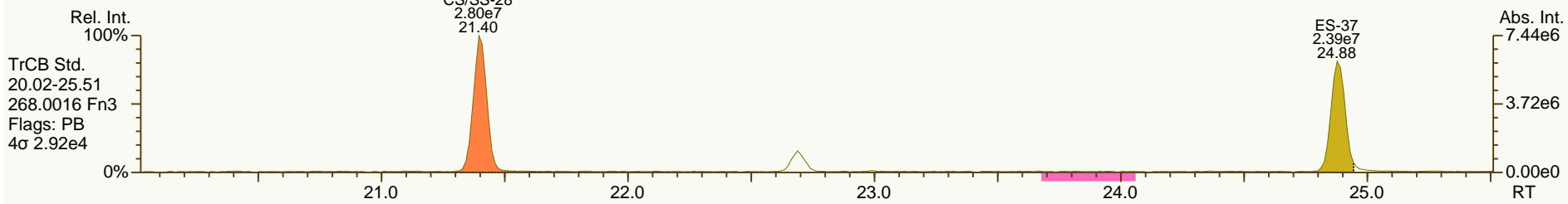
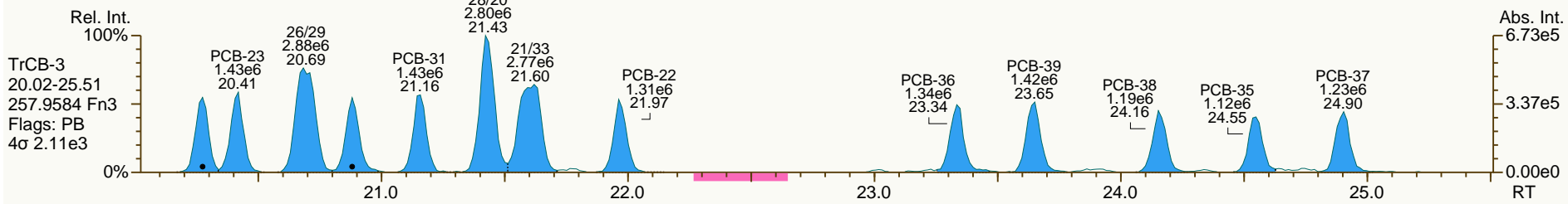
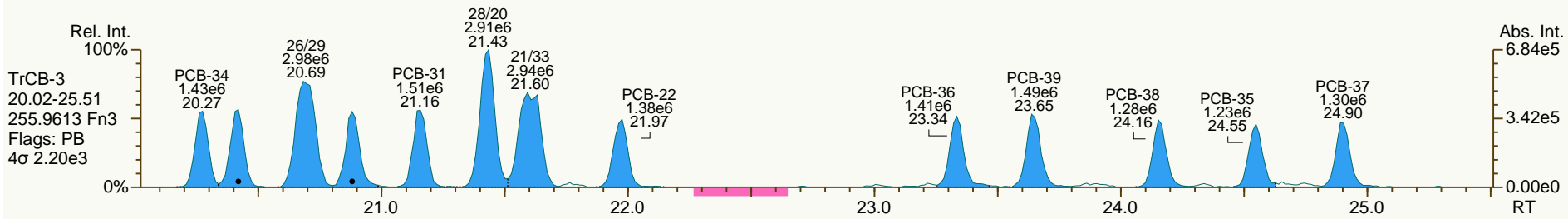
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AP Lab ID: CS2_120125_PCB_VA
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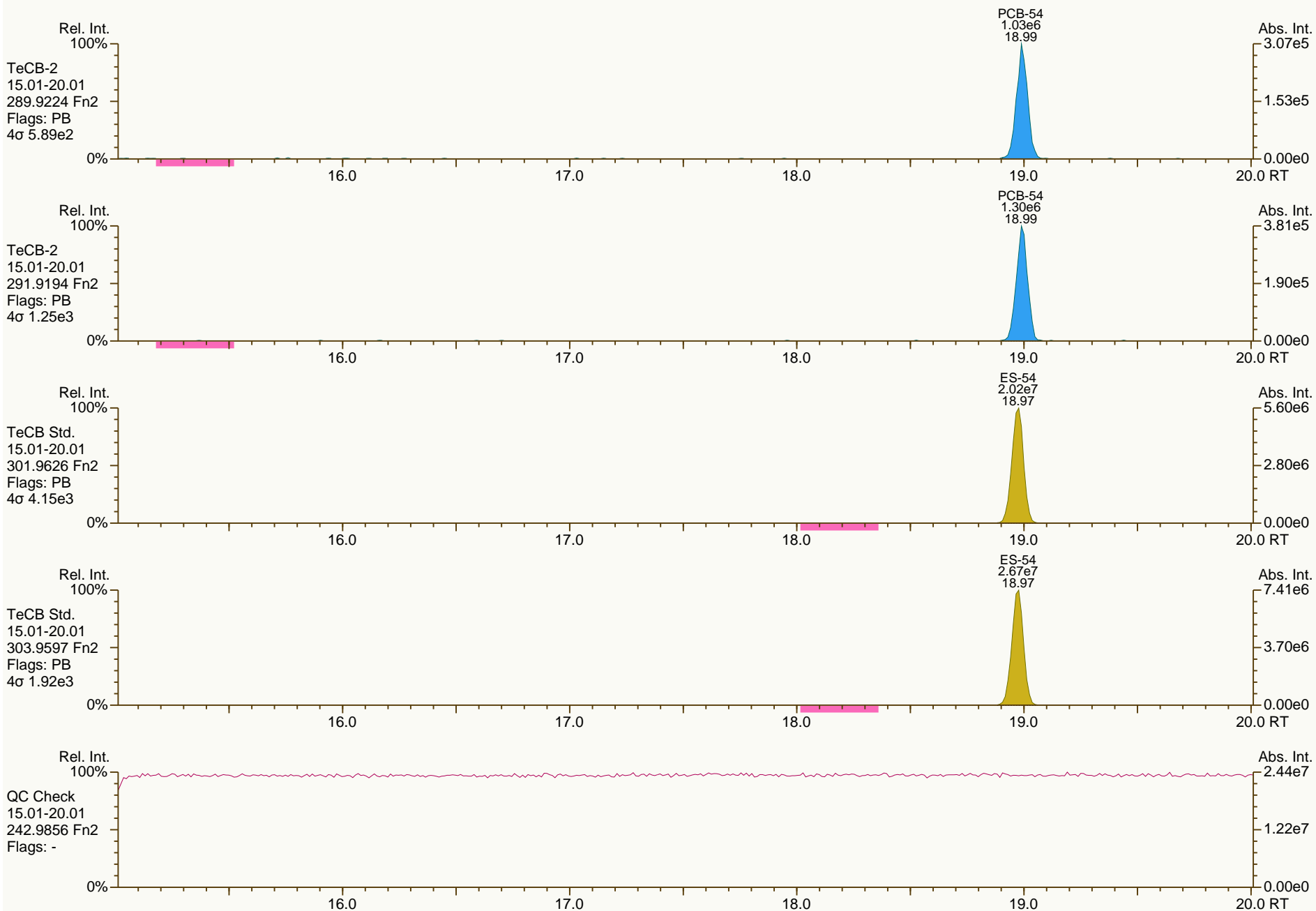
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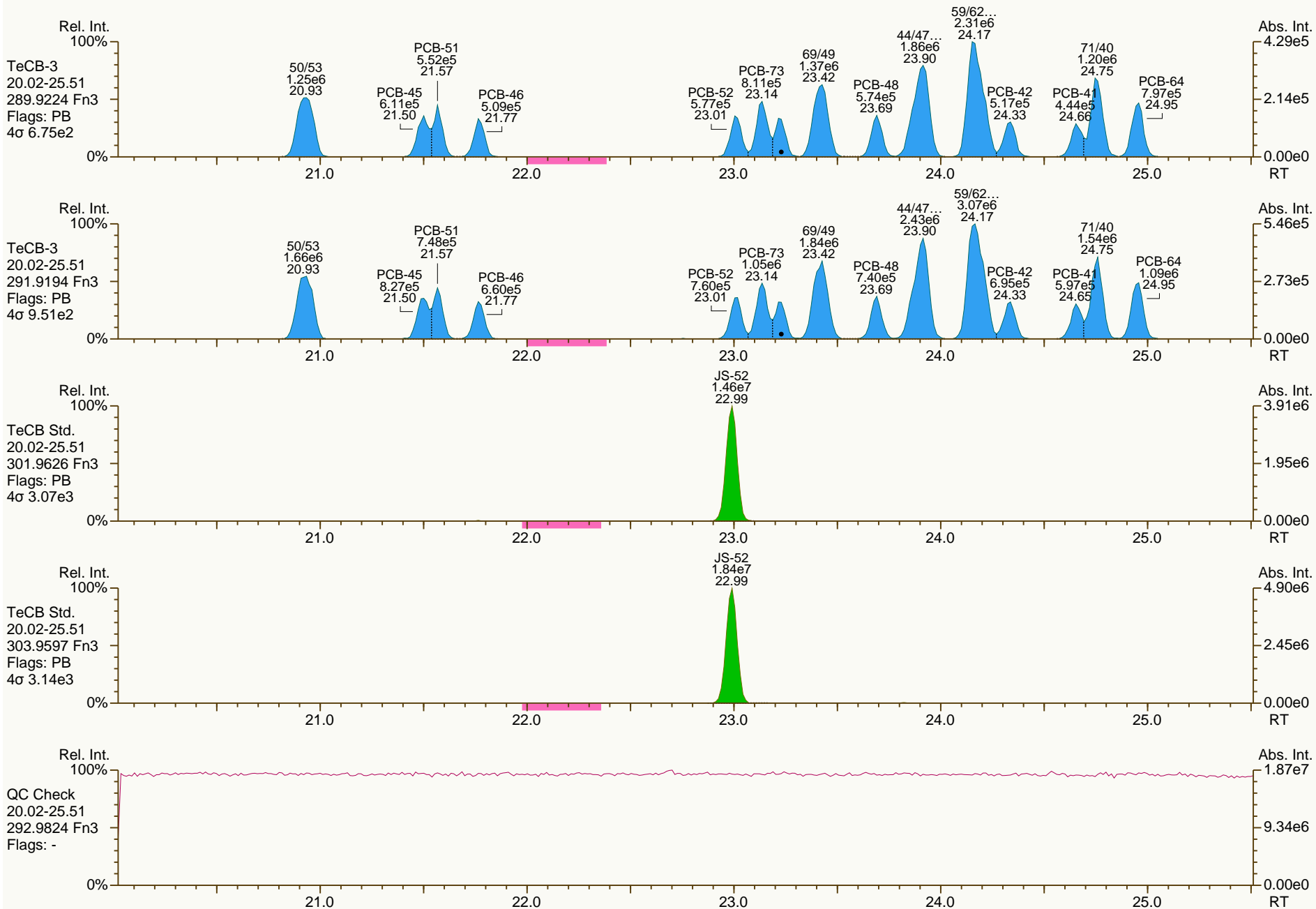
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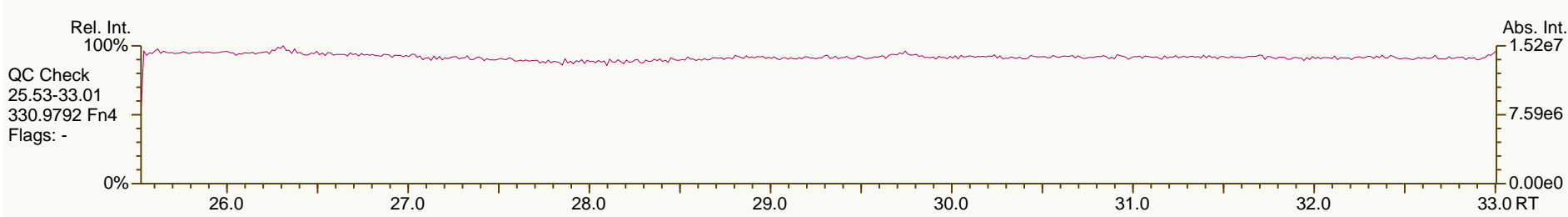
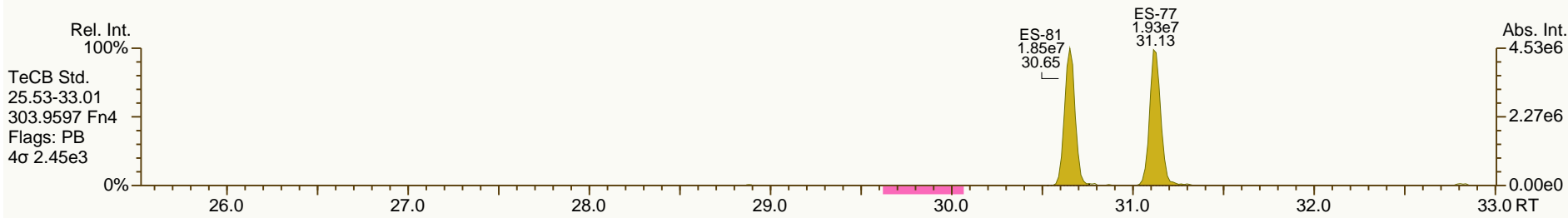
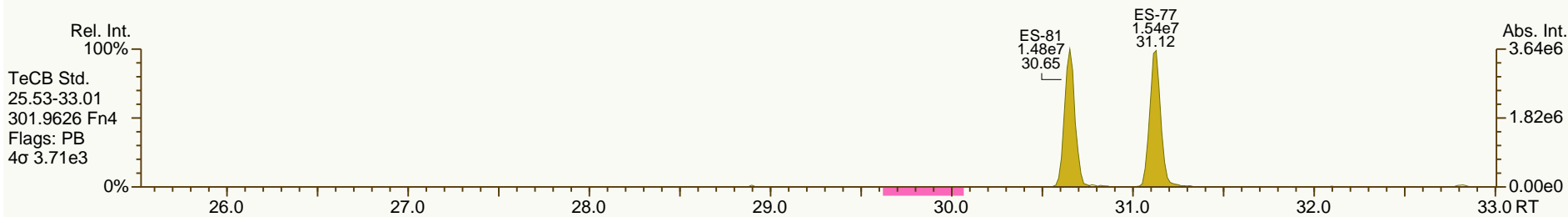
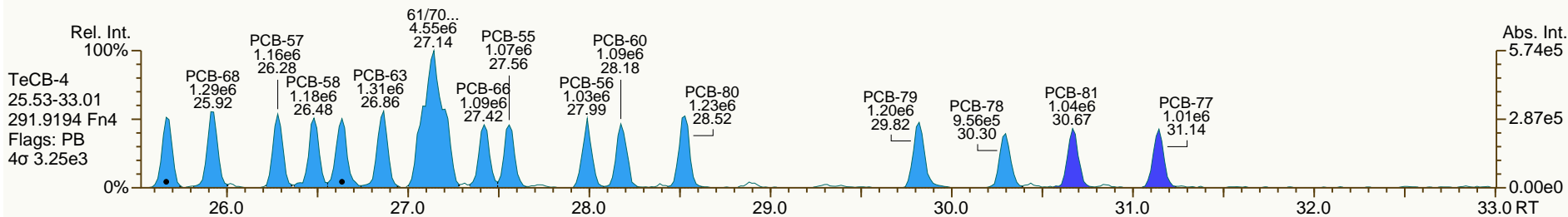
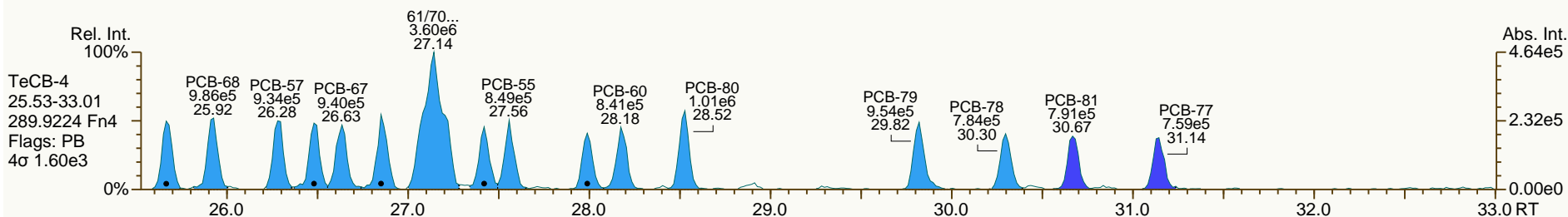
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Sample ID: SIL 12-5-4
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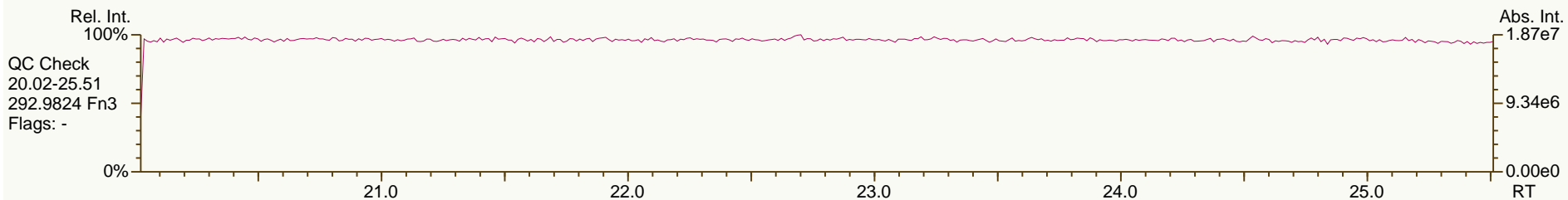
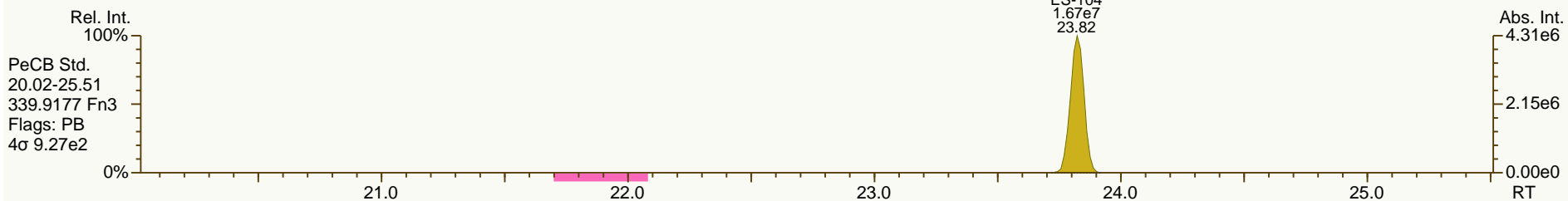
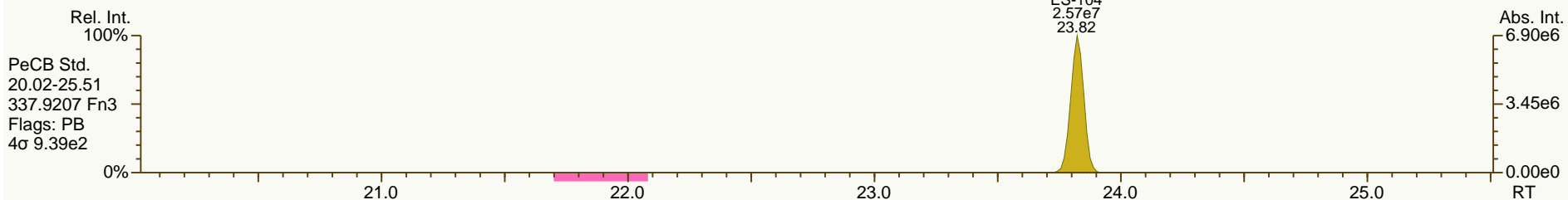
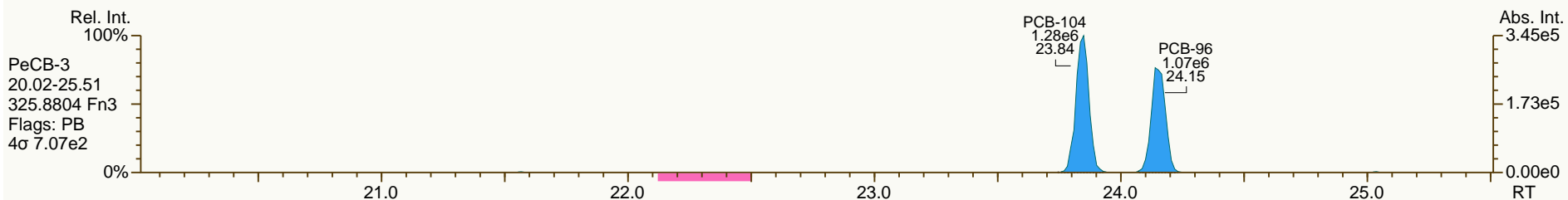
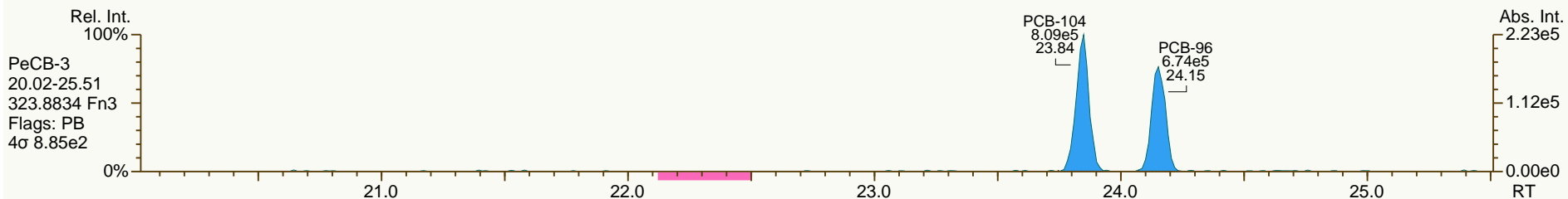
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AP Lab ID: CS2_120125_PCB_VA
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Sample ID: SIL 12-5-4
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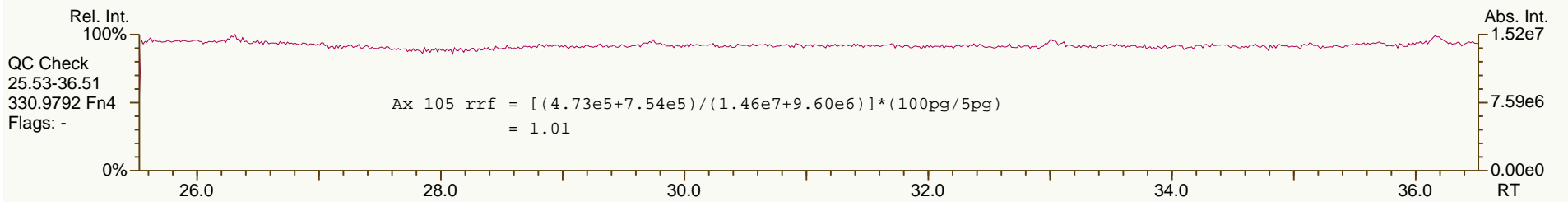
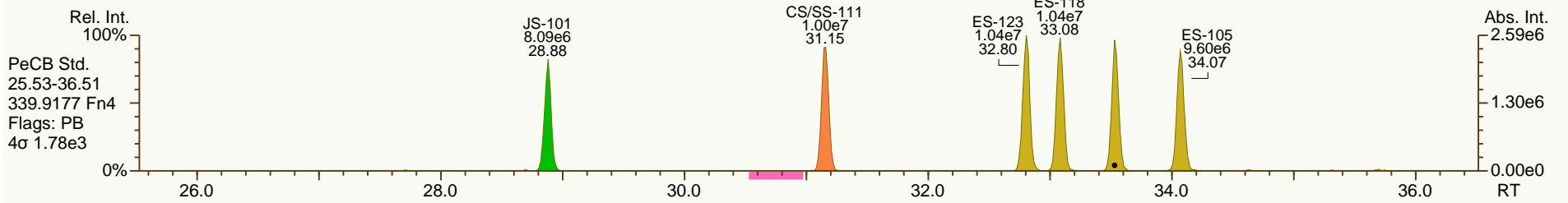
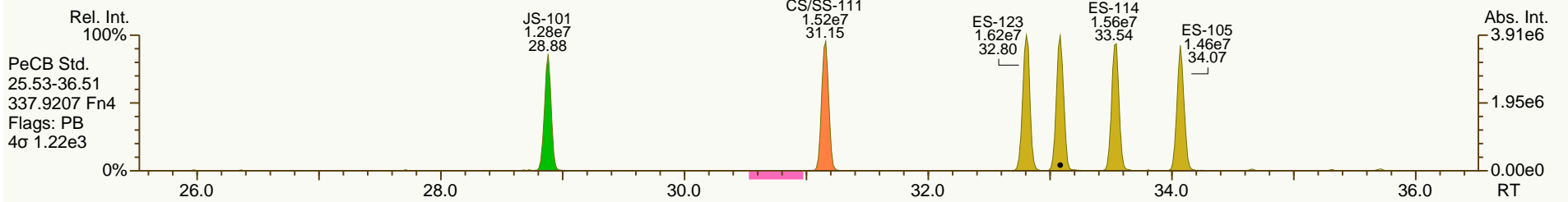
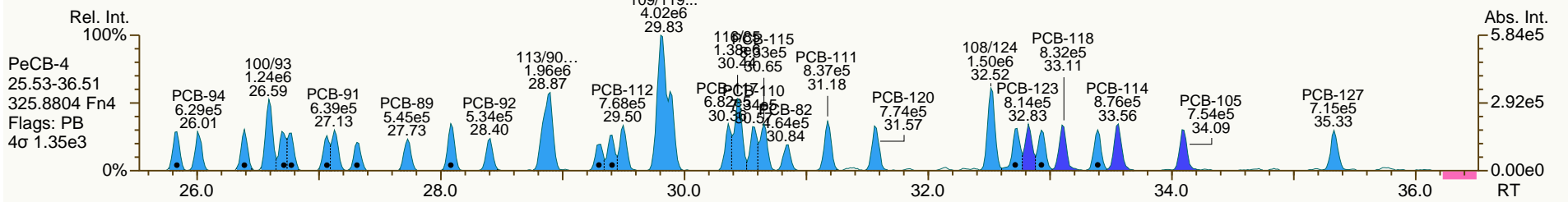
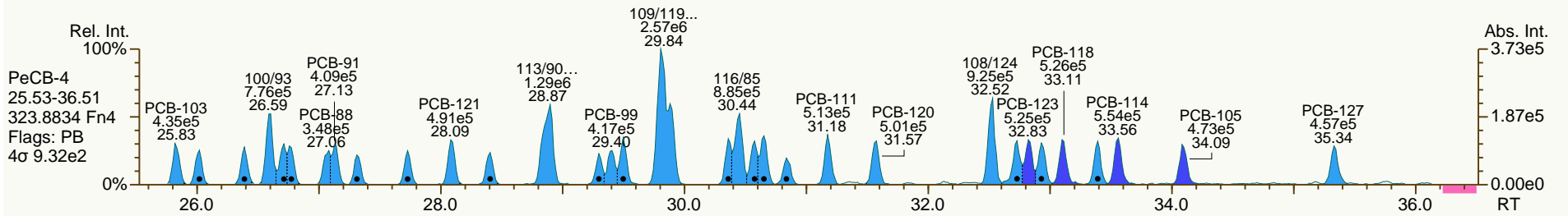
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
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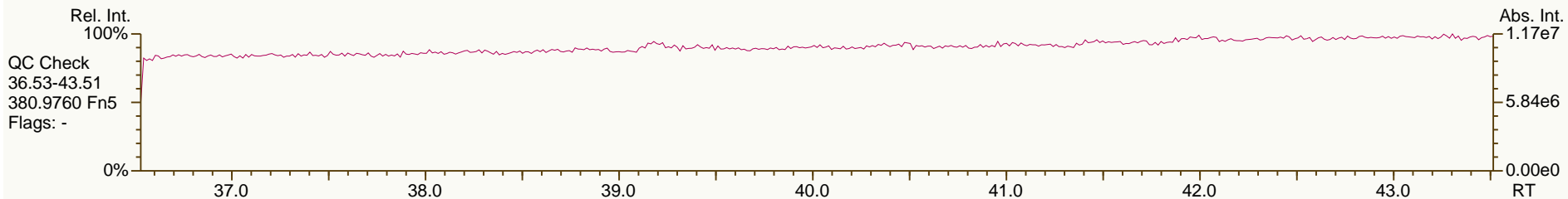
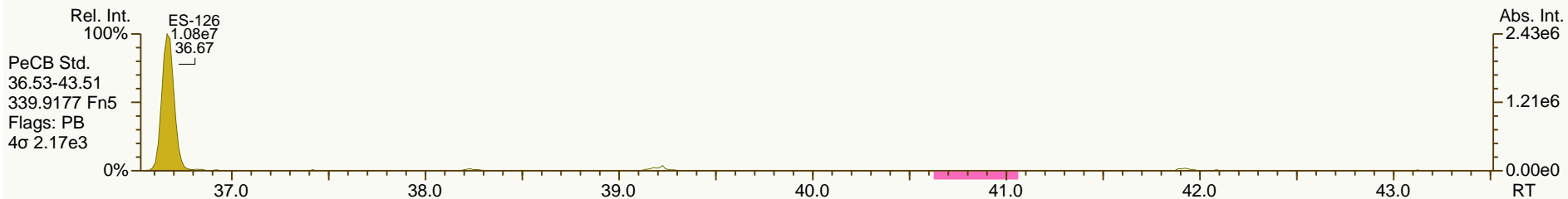
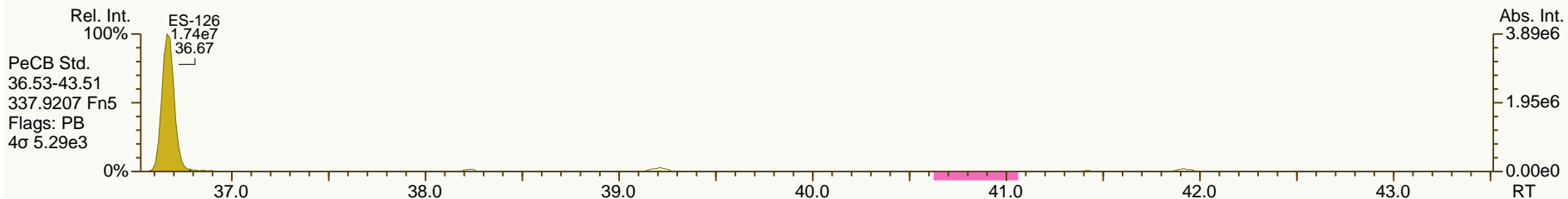
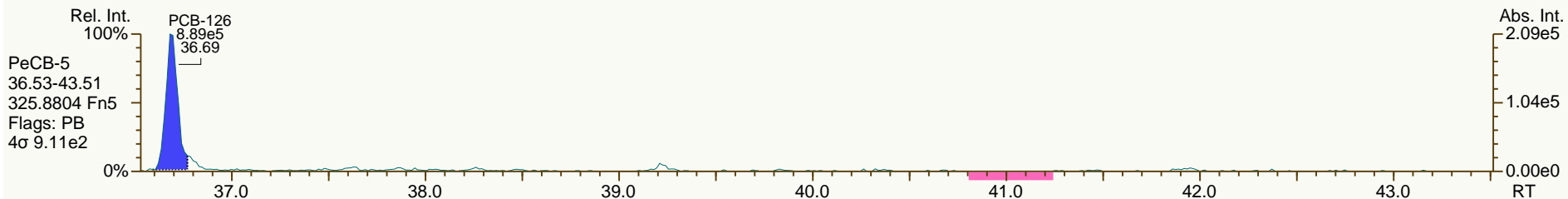
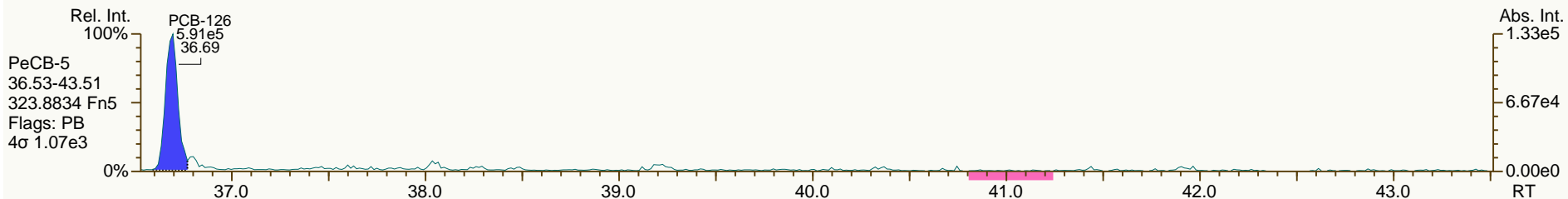
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AP Lab ID: CS2_120125_PCB_VA
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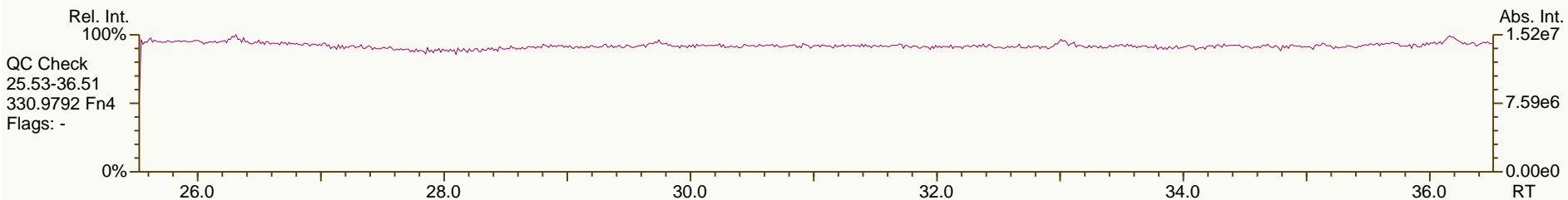
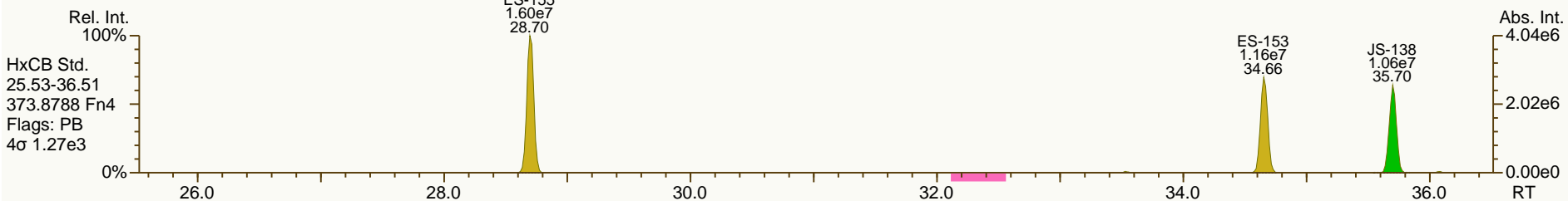
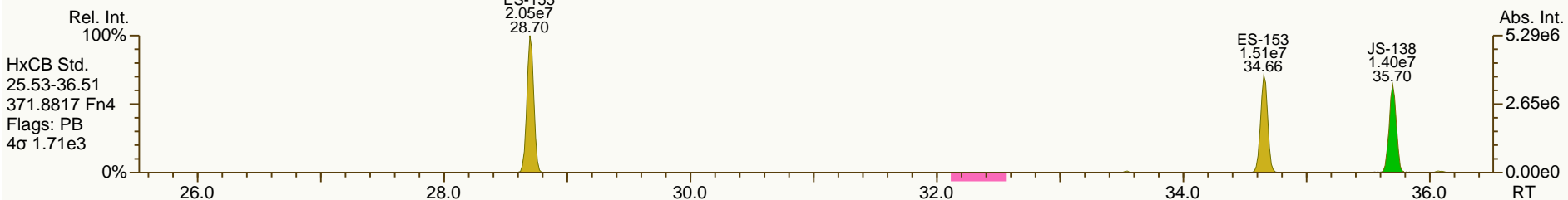
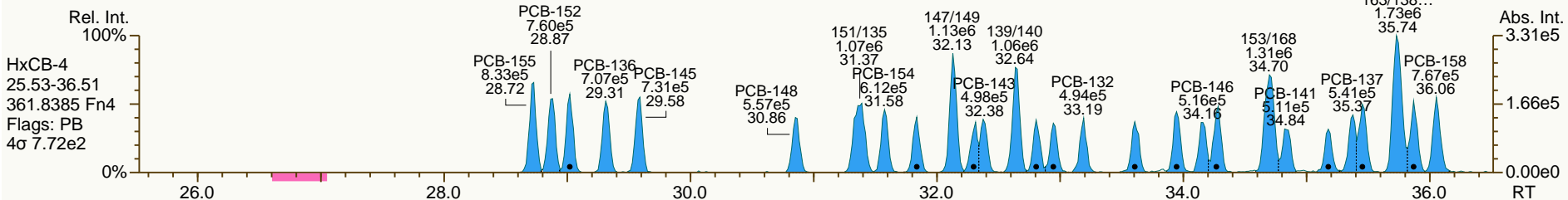
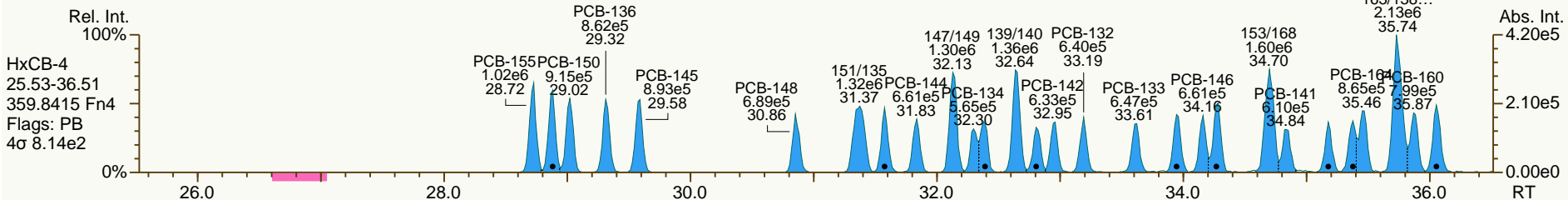
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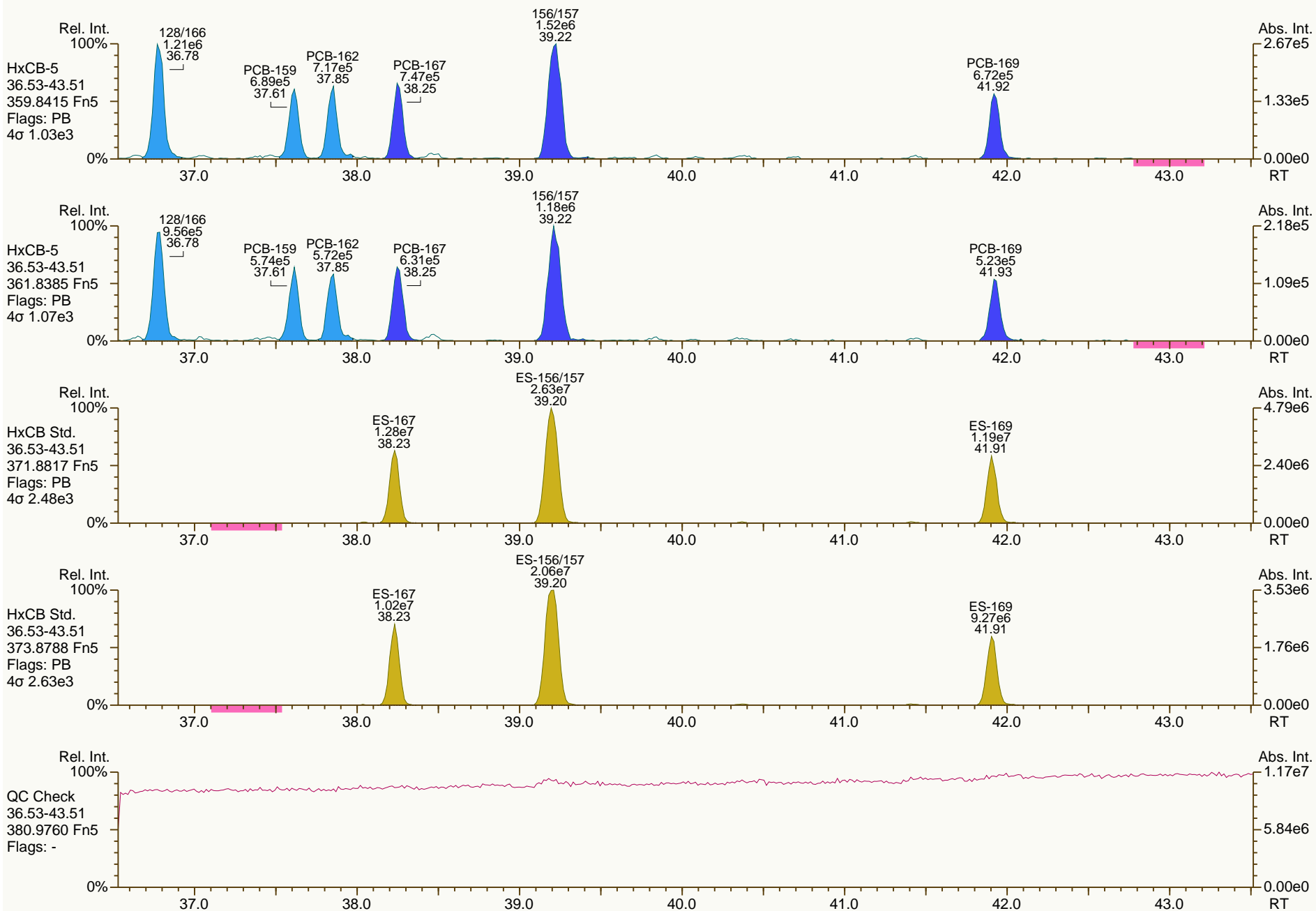
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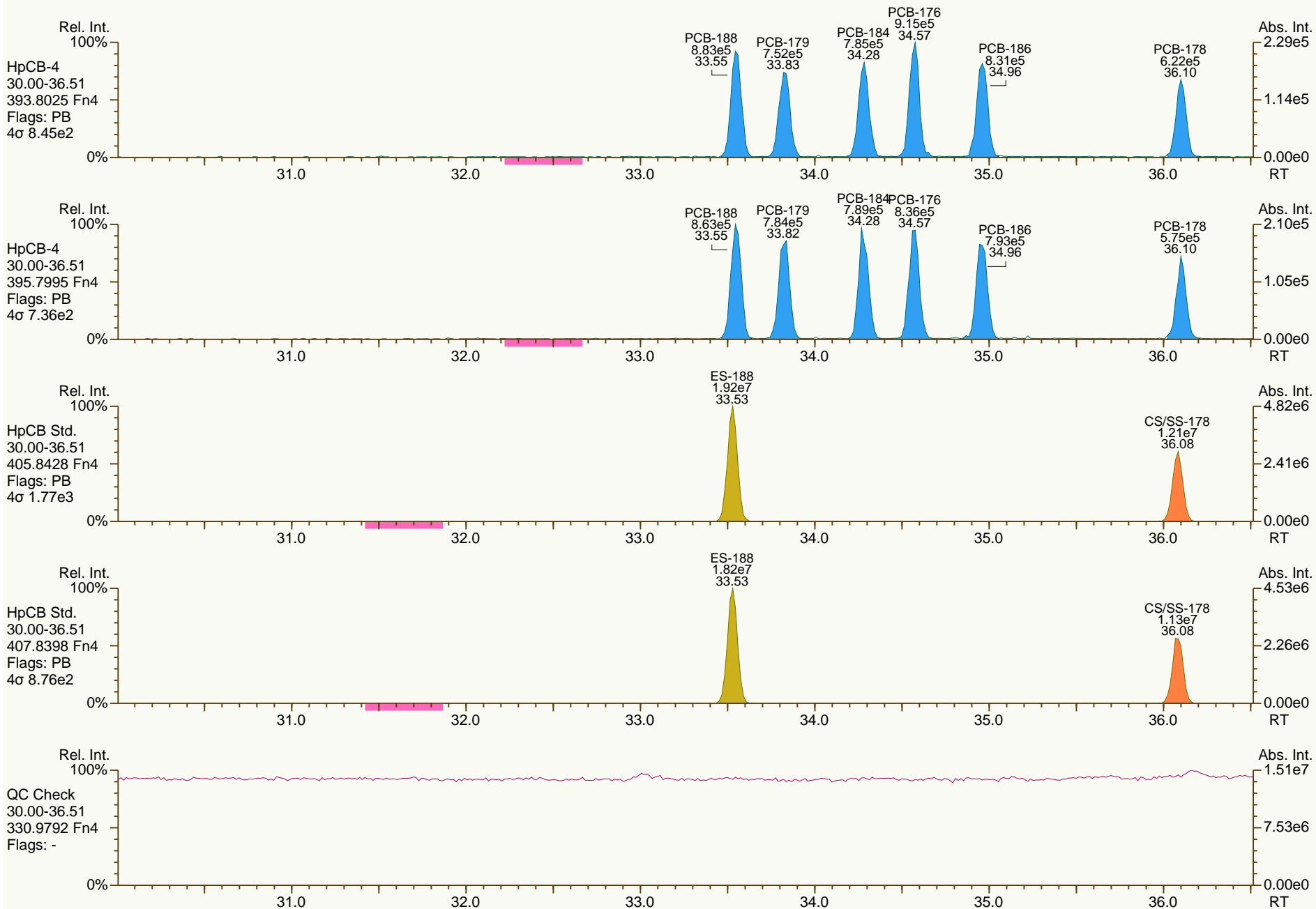
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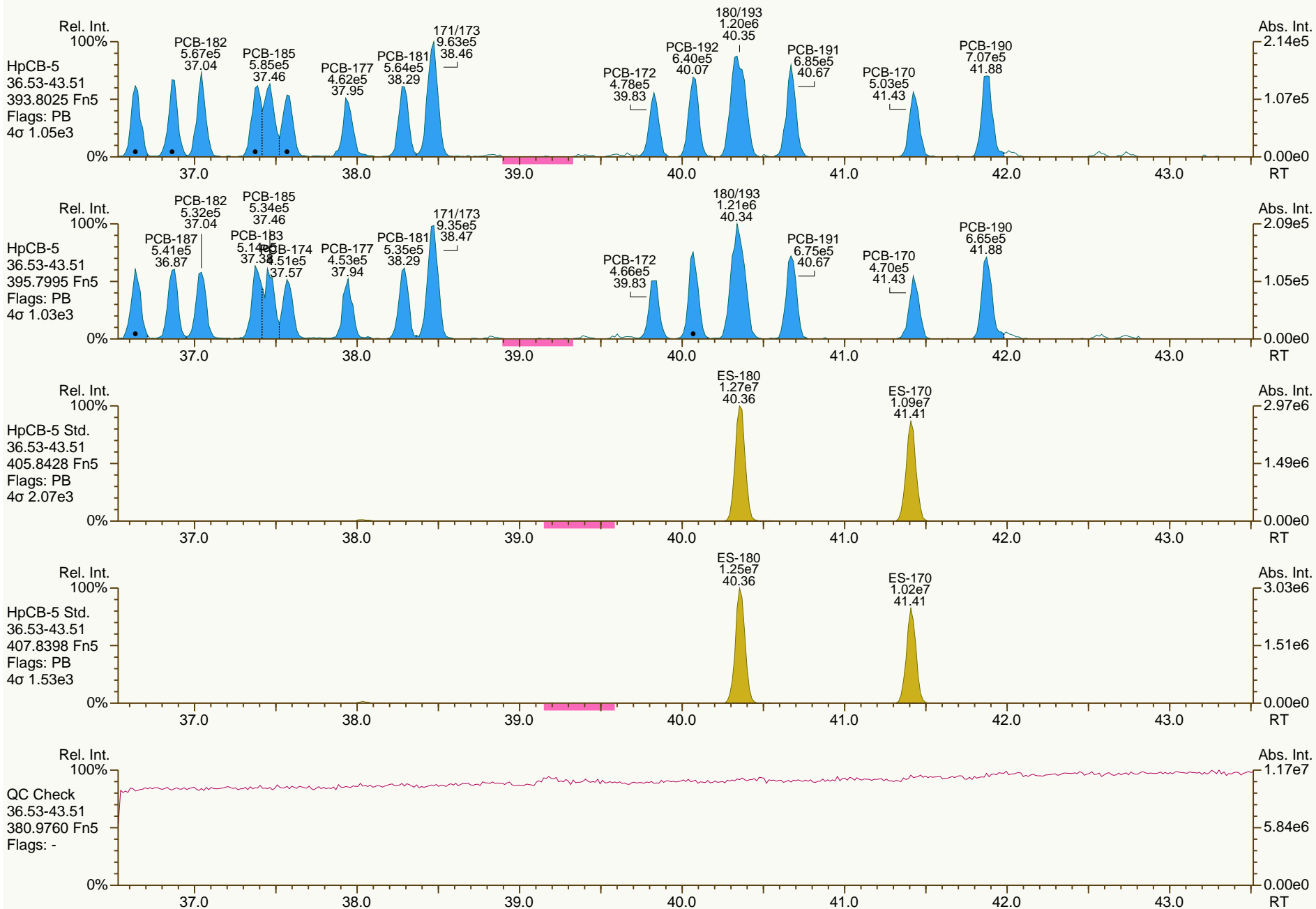
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

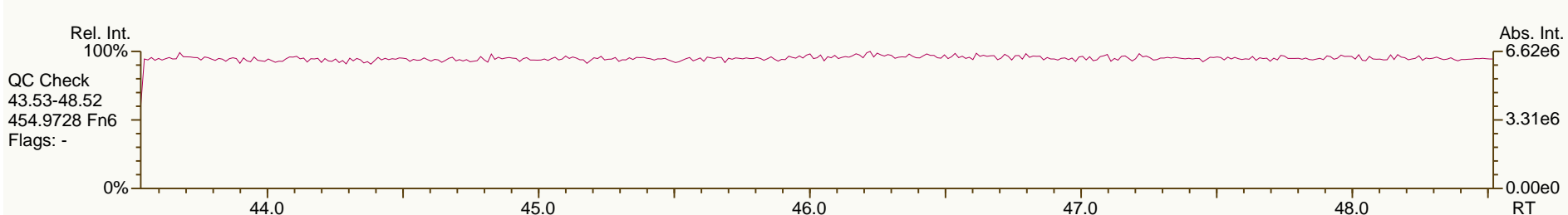
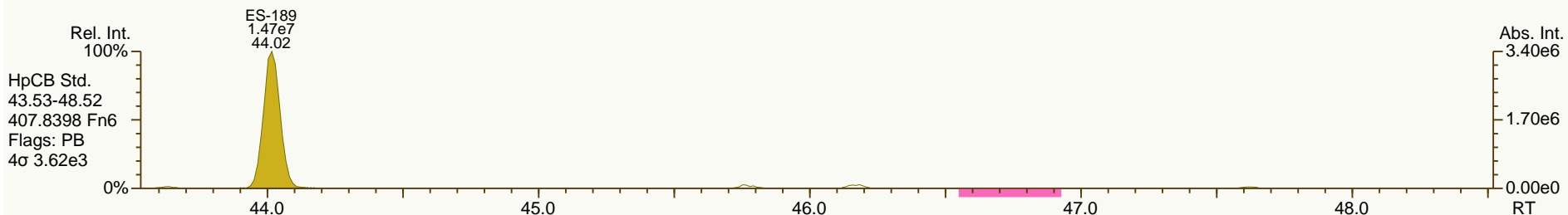
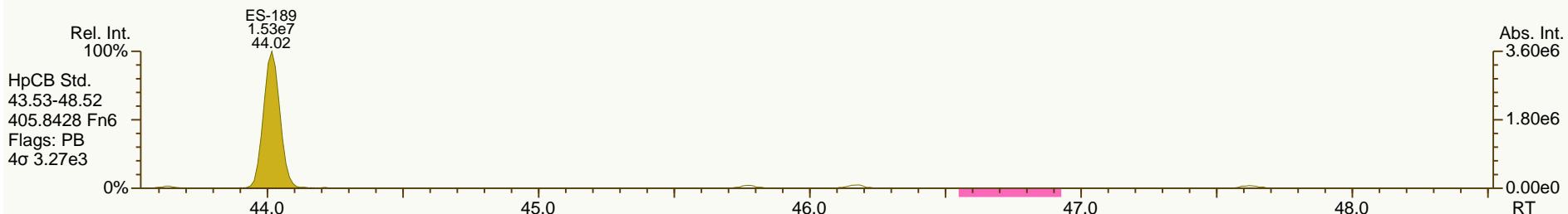
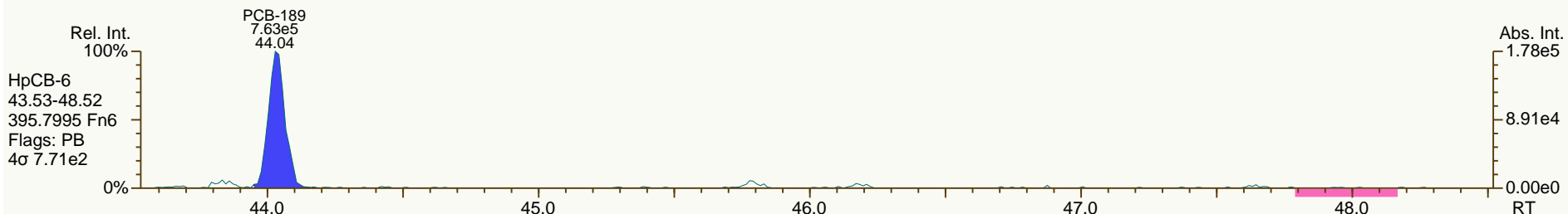
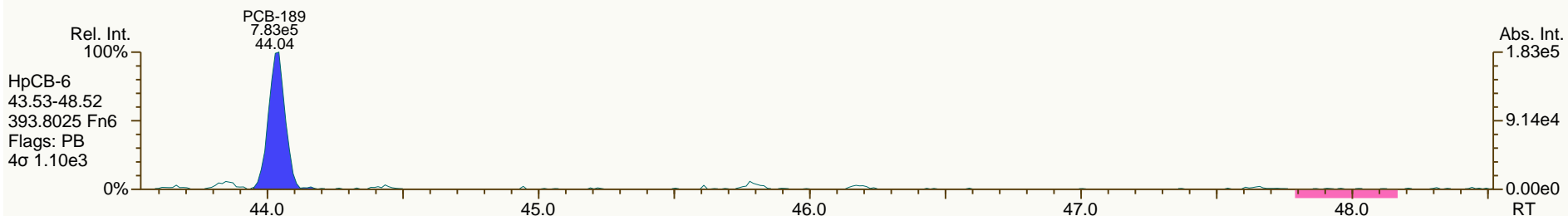
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 User: CEM Datafile: 120125V10



AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

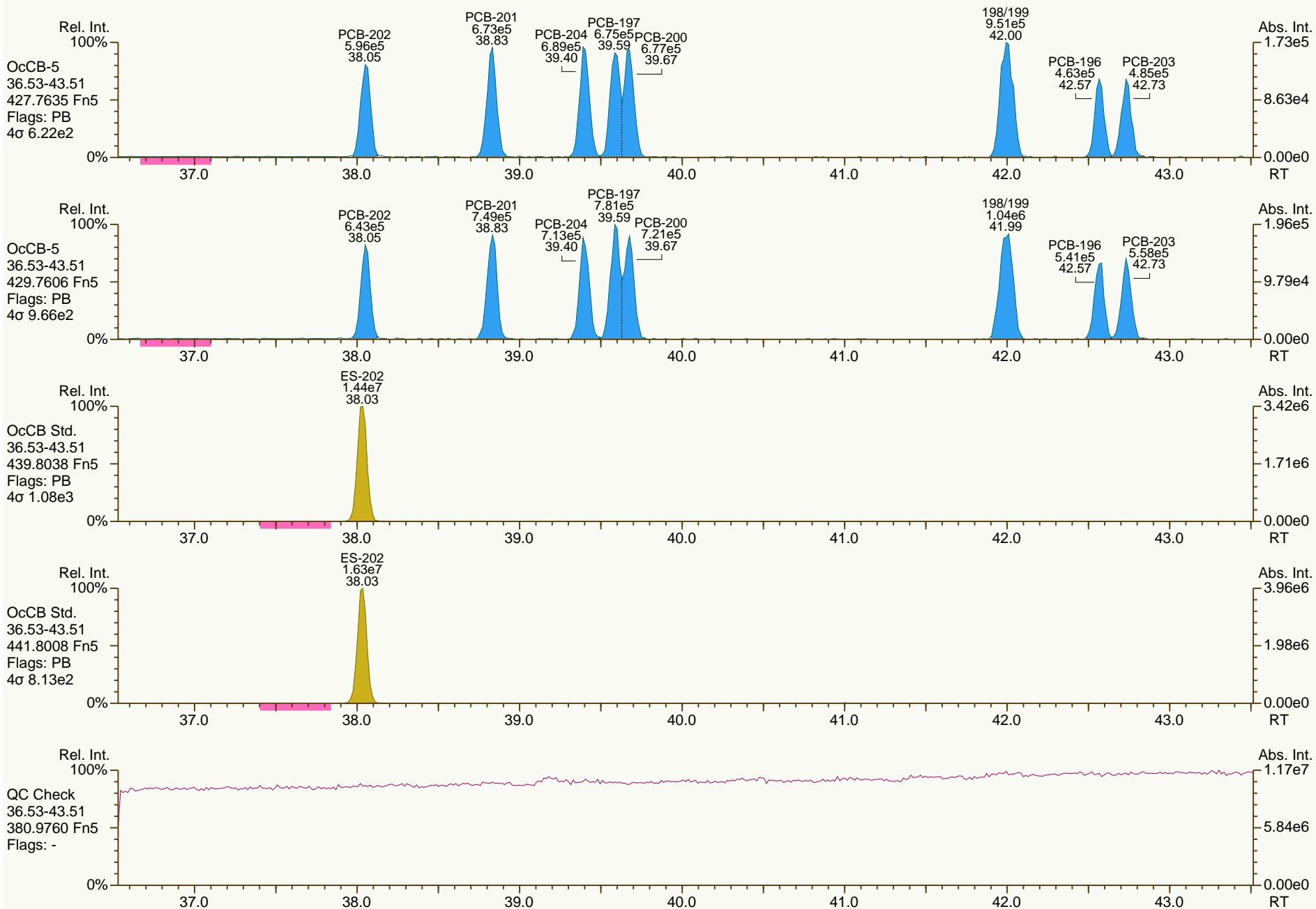
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AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

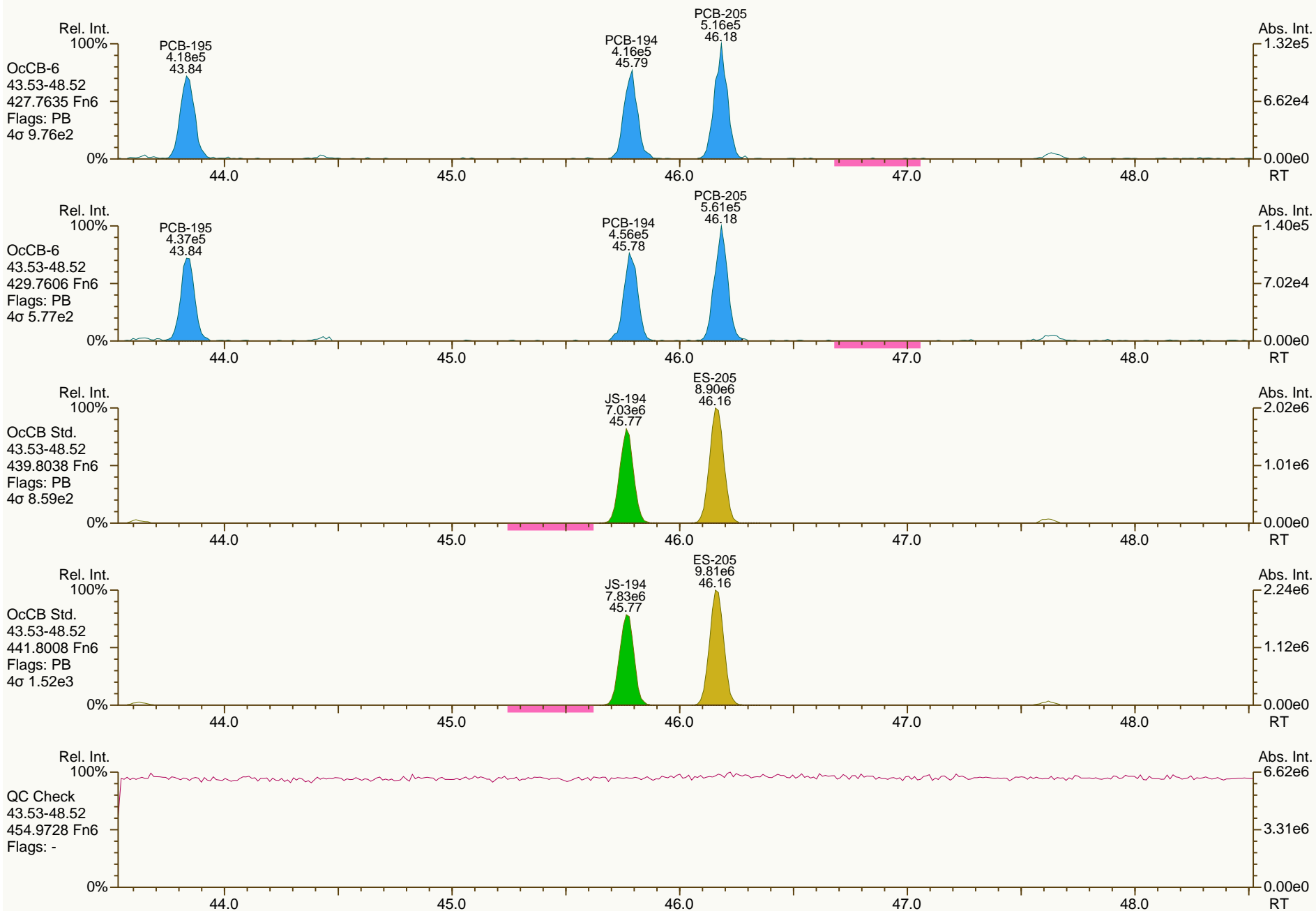
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 User: CEM Datafile: 120125V10



AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

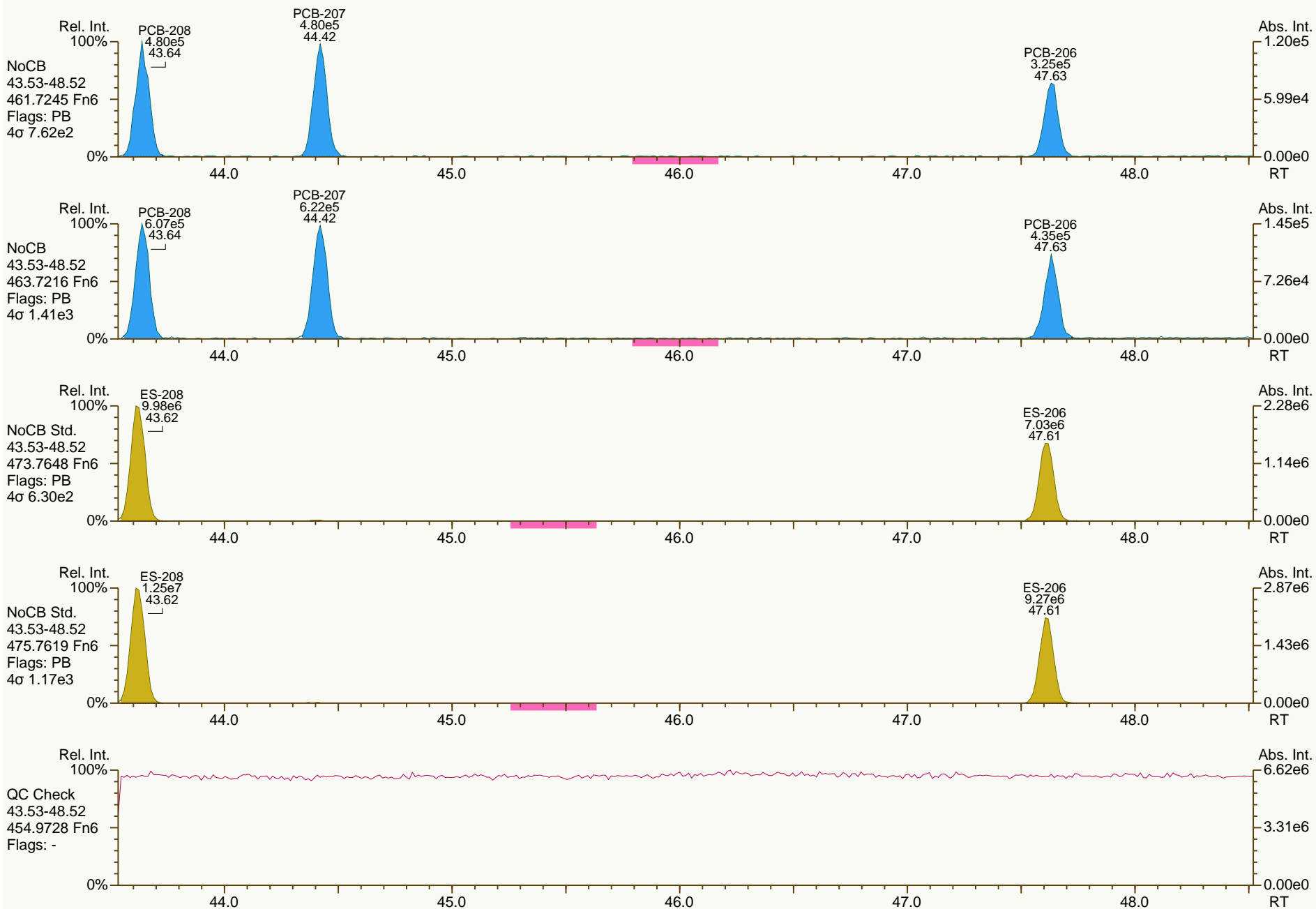
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 User: CEM Datafile: 120125V10



AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

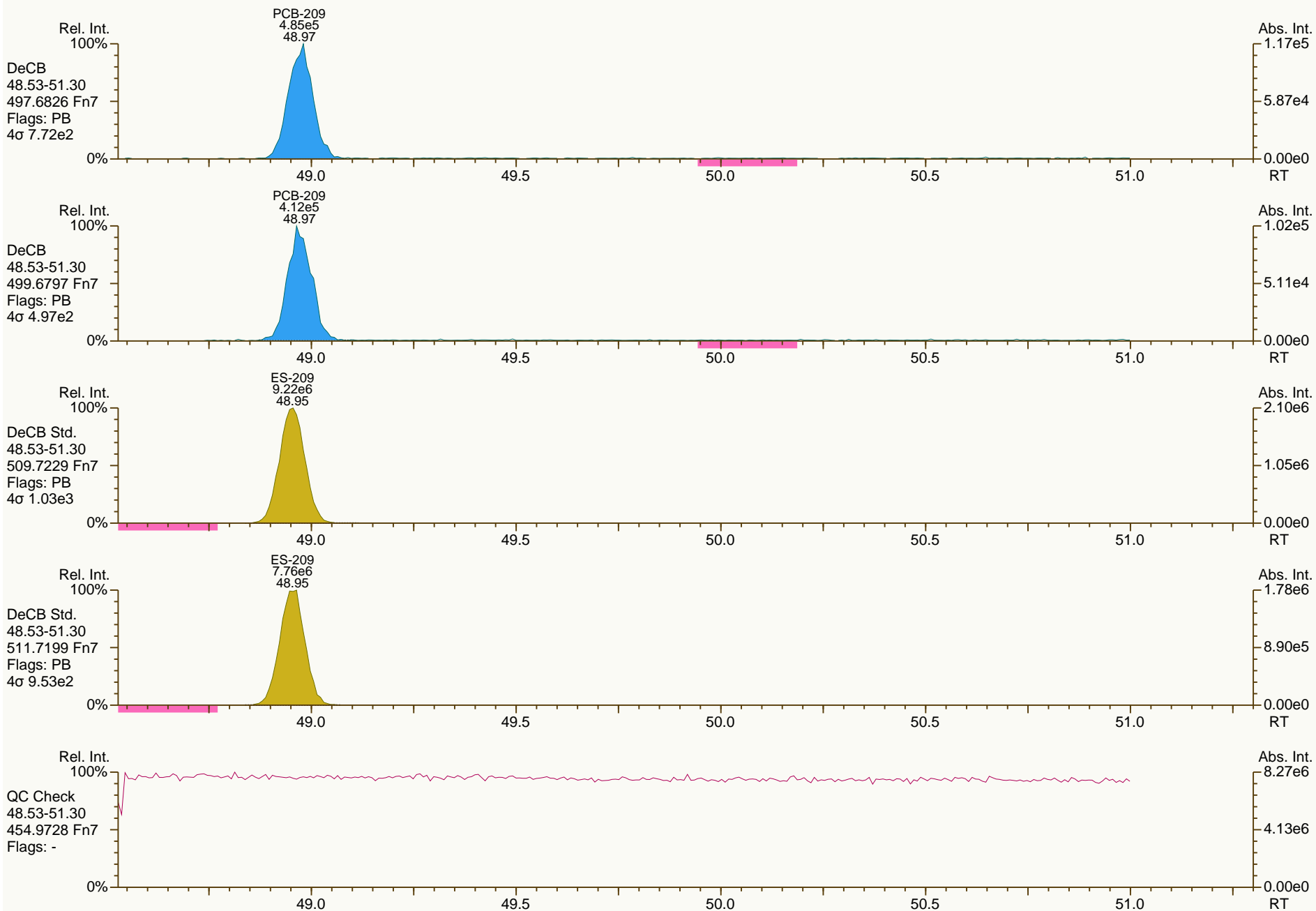
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 User: CEM Datafile: 120125V10



AP Lab ID: CS2_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 22

Acq: 25-Jan-2012 21:23:45
 User: CEM Datafile: 120125V10



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.15	2.24E+07	0.79 Y	1.11	1.12	0.9%	
PCB-81 344'5'-TeCB	30.67	2.22E+07	0.78 Y	1.13	1.13	0.3%	
PCB-105 233'44'-PeCB	34.10	1.47E+07	0.63 Y	1.05	1.06	0.6%	
PCB-114 2344'5'-PeCB	33.56	1.66E+07	0.63 Y	1.15	1.14	-1.5%	
PCB-118 23'44'5'-PeCB	33.11	1.57E+07	0.63 Y	1.04	1.06	1.9%	
PCB-123 2'344'5'-PeCB	32.83	1.59E+07	0.64 Y	1.01	1.03	2.6%	
PCB-126 33'44'5'-PeCB	36.69	1.80E+07	0.62 Y	1.06	1.08	2.2%	
PCB-156/157 233'44'5'/233'44'5'	39.22	3.12E+07	1.27 Y	1.16	1.18	1.6%	
PCB-167 23'44'55'-HxCB	38.25	1.61E+07	1.27 Y	1.24	1.23	-1.4%	
PCB-169 33'44'55'-HxCB	41.93	1.48E+07	1.27 Y	1.19	1.21	2.1%	
PCB-189 233'44'55'-HpCB	44.04	1.82E+07	1.04 Y	1.05	1.07	1.2%	
PCB-209 DeCB	48.98	1.06E+07	1.21 Y	1.09	1.07	-1.9%	
ES PCB-1	10.91	7.03E+07	3.37 Y	1.02	1.03	0.9%	
ES PCB-3	13.04	6.91E+07	3.44 Y	1.02	1.01	-0.8%	
ES PCB-4	13.27	4.60E+07	1.53 Y	0.68	0.67	-1.2%	
ES PCB-15	18.72	7.09E+07	1.55 Y	1.06	1.04	-1.8%	
ES PCB-19	16.18	3.30E+07	1.02 Y	0.49	0.48	-2.1%	
ES PCB-37	24.88	5.21E+07	1.11 Y	1.51	1.52	0.9%	
ES PCB-54	18.97	4.74E+07	0.78 Y	1.37	1.39	1.3%	
ES PCB-77	31.13	4.01E+07	0.79 Y	1.17	1.17	0.2%	
ES PCB-81	30.66	3.92E+07	0.77 Y	1.13	1.15	1.2%	
ES PCB-104	23.83	4.48E+07	1.55 Y	1.90	1.94	1.7%	
ES PCB-105	34.07	2.77E+07	1.56 Y	1.15	1.20	4.3%	
ES PCB-114	33.54	2.93E+07	1.60 Y	1.22	1.26	3.8%	
ES PCB-118	33.08	2.96E+07	1.54 Y	1.24	1.28	2.7%	
ES PCB-123	32.81	3.07E+07	1.55 Y	1.29	1.32	2.7%	
ES PCB-126	36.67	3.35E+07	1.55 Y	1.40	1.45	3.5%	
ES PCB-153	34.66	3.05E+07	1.29 Y	1.09	1.06	-2.9%	
ES PCB-155	28.70	3.77E+07	1.27 Y	1.45	1.31	-9.5%	
ES PCB-156/157	39.20	5.30E+07	1.27 Y	0.94	0.92	-2.4%	
ES PCB-167	38.23	2.63E+07	1.29 Y	0.93	0.91	-1.6%	
ES PCB-169	41.91	2.44E+07	1.26 Y	0.88	0.85	-3.5%	
ES PCB-170	41.41	2.36E+07	1.02 Y	1.40	1.37	-2.1%	
ES PCB-180	40.36	2.90E+07	1.04 Y	1.74	1.69	-3.1%	
ES PCB-188	33.53	4.24E+07	1.02 Y	1.52	1.47	-3.0%	
ES PCB-189	44.02	3.41E+07	1.03 Y	2.05	1.99	-2.9%	
ES PCB-202	38.03	3.52E+07	0.86 Y	1.21	1.22	1.1%	
ES PCB-205	46.16	2.13E+07	0.91 Y	1.28	1.24	-3.3%	
ES PCB-206	47.61	1.92E+07	0.77 Y	1.12	1.12	-0.5%	
ES PCB-208	43.62	2.45E+07	0.78 Y	1.46	1.43	-2.4%	
ES PCB-209	48.96	1.98E+07	1.18 Y	1.16	1.15	-0.7%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:16		
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	5.70E+07	1.10 Y	1.09	1.09	0.4%	
SS PCB-111	31.16	2.86E+07	1.58 Y	0.93	0.93	0.1%	
SS PCB-178	36.08	2.68E+07	1.03 Y	0.63	0.63	1.2%	
CS PCB-28	21.40	5.70E+07	1.10 Y	1.64	1.67	1.5%	
CS PCB-111	31.16	2.86E+07	1.58 Y	1.20	1.24	2.9%	
CS PCB-178	36.08	2.68E+07	1.03 Y	0.95	0.93	-1.8%	
JS PCB-9	15.14	6.81E+07	1.54 Y	-	-	-	
JS PCB-52	22.99	3.42E+07	0.79 Y	-	-	-	
JS PCB-101	28.88	2.32E+07	1.54 Y	-	-	-	
JS PCB-138	35.70	2.88E+07	1.33 Y	-	-	-	
JS PCB-194	45.77	1.72E+07	0.89 Y	-	-	-	
PCB-1 2-MoCB	10.93	3.47E+07	3.09 Y	1.00	0.99	-0.7%	
PCB-3 4-MoCB	13.05	3.34E+07	3.09 Y	0.96	0.97	0.4%	
PCB-4 22'-DiCB	13.29	1.90E+07	1.53 Y	0.82	0.83	0.4%	
PCB-15 44'-DiCB	18.73	3.43E+07	1.52 Y	0.95	0.97	1.5%	
PCB-19 22'6'-TrCB	16.20	1.52E+07	1.04 Y	0.92	0.92	0.2%	
PCB-37 344'-TrCB	24.90	2.82E+07	1.03 Y	1.07	1.08	0.8%	
PCB-54 22'66'-TeCB	18.99	2.53E+07	0.79 Y	1.04	1.07	2.3%	
PCB-104 22'466'-PeCB	23.85	2.31E+07	0.63 Y	1.02	1.03	1.1%	
PCB-153 22'44'55' -HxCB	34.70	3.44E+07	1.22 Y	1.12	1.13	0.7%	
PCB-155 22'44'66'-HxCB	28.72	2.03E+07	1.25 Y	1.04	1.08	4.0%	
PCB-170 22'33'44'5'-HpCB	41.43	1.16E+07	1.05 Y	0.99	0.98	-0.1%	
PCB-180 22'344'55'-HpCB	40.35	2.82E+07	1.04 Y	0.97	0.97	0.6%	
PCB-188 22'34'566'-HpCB	33.55	2.05E+07	1.04 Y	0.94	0.97	2.3%	
PCB-202 22'33'55'66'-OcCB	38.05	1.51E+07	0.89 Y	0.86	0.86	0.3%	
PCB-205 233'44'55'6'-OcCB	46.18	1.30E+07	0.93 Y	1.20	1.22	1.9%	
PCB-208 22'33'455'66'-NoCB	43.64	1.26E+07	0.76 Y	1.01	1.03	2.4%	
PCB-206 22'33'44'55'6'-NoCB	47.63	9.02E+06	0.77 Y	0.95	0.94	-1.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.93	3.47E+07	3.09 Y	1.00	0.99	-0.7%	
PCB-2 3-MoCB	12.88	3.31E+07	3.10 Y	0.95	0.96	0.9%	
PCB-3 4-MoCB	13.05	3.34E+07	3.09 Y	0.96	0.97	0.4%	
PCB-4 22'-DiCB	13.29	1.90E+07	1.53 Y	0.82	0.83	0.4%	
PCB-10 26-DiCB	13.45	2.99E+07	1.52 Y	1.33	1.30	-1.8%	
PCB-9 25-DiCB	15.16	3.07E+07	1.54 Y	0.84	0.87	2.6%	
PCB-7 24-DiCB	15.31	3.38E+07	1.58 Y	0.95	0.95	0.3%	
PCB-6 23'-DiCB	15.53	3.22E+07	1.55 Y	0.91	0.91	-0.5%	
PCB-5 23-DiCB	15.81	3.19E+07	1.56 Y	0.90	0.90	0.2%	
PCB-8 24'-DiCB	15.93	3.36E+07	1.58 Y	0.93	0.95	2.0%	
PCB-14 35-DiCB	17.42	3.75E+07	1.56 Y	1.04	1.06	1.6%	
PCB-11 33'-DiCB	18.17	3.17E+07	1.57 Y	0.89	0.89	0.1%	
PCB-13/12 34'-/34-DiCB	18.45	6.40E+07	1.55 Y	0.88	0.90	2.3%	
PCB-15 44'-DiCB	18.73	3.43E+07	1.52 Y	0.95	0.97	1.5%	
PCB-19 22'6-TrCB	16.20	1.52E+07	1.04 Y	0.92	0.92	0.2%	
PCB-30/18 246-/22'5-TrCB	17.89	4.04E+07	1.04 Y	1.19	1.22	2.7%	
PCB-17 22'4-TrCB	18.28	1.69E+07	1.04 Y	1.03	1.02	-0.6%	
PCB-27 23'6-TrCB	18.47	2.33E+07	1.05 Y	1.39	1.41	1.2%	
PCB-24 236-TrCB	18.59	2.26E+07	1.05 Y	1.34	1.37	2.6%	
PCB-16 22'3-TrCB	18.68	1.25E+07	1.06 Y	0.77	0.76	-1.3%	
PCB-32 24'6-TrCB	19.15	2.43E+07	1.06 Y	1.45	1.47	1.9%	
PCB-34 2'35-TrCB	20.27	3.00E+07	1.05 Y	1.16	1.15	-0.5%	
PCB-23 235-TrCB	20.42	3.07E+07	1.02 Y	1.18	1.18	-0.1%	
PCB-26/29 23'5-/245-TrCB	20.69	6.19E+07	1.03 Y	1.20	1.19	-0.6%	
PCB-25 23'4-TrCB	20.89	3.15E+07	1.04 Y	1.22	1.21	-1.0%	
PCB-31 24'5-TrCB	21.16	3.19E+07	1.04 Y	1.21	1.22	0.9%	
PCB-28/20 244'-/233'-TrCB	21.43	6.13E+07	1.03 Y	1.18	1.18	-0.3%	
PCB-21/33 234'-/2'34-TrCB	21.60	6.27E+07	1.02 Y	1.21	1.20	-0.3%	
PCB-22 234'-TrCB	21.97	2.84E+07	1.04 Y	1.10	1.09	-1.0%	
PCB-36 33'5-TrCB	23.34	3.04E+07	1.03 Y	1.17	1.17	-0.7%	
PCB-39 34'5-TrCB	23.65	3.15E+07	1.04 Y	1.24	1.21	-2.2%	
PCB-38 345-TrCB	24.16	2.85E+07	1.02 Y	1.07	1.09	2.0%	
PCB-35 33'4-TrCB	24.55	2.69E+07	1.03 Y	1.03	1.03	0.0%	
PCB-37 344'-TrCB	24.90	2.82E+07	1.03 Y	1.07	1.08	0.8%	
PCB-54 22'66'-TeCB	18.99	2.53E+07	0.79 Y	1.04	1.07	2.3%	
PCB-50/53 22'46-/22'56'TeCB	20.93	3.11E+07	0.76 Y	0.80	0.79	-0.9%	
PCB-45 22'36'-TeCB	21.49	1.29E+07	0.75 Y	0.73	0.66	-10.1%	
PCB-51 22'46'-TeCB	21.57	1.63E+07	0.76 Y	0.76	0.83	9.8%	
PCB-46 22'36'-TeCB	21.77	1.26E+07	0.77 Y	0.65	0.64	-1.1%	
PCB-52 22'55'-TeCB	23.01	1.47E+07	0.77 Y	0.77	0.75	-2.6%	
PCB-73 23'5'6TeCB	23.14	1.99E+07	0.76 Y	1.00	1.02	1.5%	
PCB-43 22'35'-TeCB	23.23	1.21E+07	0.77 Y	0.65	0.62	-4.9%	
PCB-69/49 23'46-/22'45'TeCB	23.42	3.54E+07	0.76 Y	0.92	0.91	-1.2%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.46E+07	0.77 Y	0.76	0.75	-1.3%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.74E+07	0.76 Y	0.81	0.81	0.1%	
PCB-59/62/75 233'6-/2346-/24	24.17	6.12E+07	0.76 Y	1.03	1.04	0.9%	
PCB-42 22'34'-TeCB	24.33	1.36E+07	0.75 Y	0.69	0.69	0.3%	
PCB-41 22'34'-TeCB	24.66	1.15E+07	0.76 Y	0.61	0.59	-3.3%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	3.04E+07	0.77 Y	0.77	0.78	0.9%	
PCB-64 234'6'-TeCB	24.95	2.14E+07	0.76 Y	1.08	1.09	0.7%	
PCB-72 23'55'-TeCB	25.67	2.45E+07	0.78 Y	1.24	1.25	0.8%	
PCB-68 23'45'-TeCB	25.92	2.70E+07	0.78 Y	1.36	1.38	1.0%	
PCB-57 233'5'-TeCB	26.28	2.45E+07	0.78 Y	1.23	1.25	1.3%	
PCB-58 233'5'-TeCB	26.48	2.48E+07	0.77 Y	1.23	1.26	2.8%	
PCB-67 23'45'-TeCB	26.63	2.54E+07	0.78 Y	1.27	1.30	2.1%	
PCB-63 234'5'-TeCB	26.86	2.69E+07	0.79 Y	1.36	1.37	1.2%	
PCB-61/70/74/76 2345-/23'4'5	27.14	9.64E+07	0.78 Y	1.22	1.23	1.1%	
PCB-66 23'44'-TeCB	27.42	2.31E+07	0.78 Y	1.17	1.18	1.2%	
PCB-55 233'4'-TeCB	27.56	2.27E+07	0.79 Y	1.15	1.16	0.6%	
PCB-56 233'4'-TeCB	27.99	2.17E+07	0.79 Y	1.11	1.11	0.0%	
PCB-60 2344'-TeCB	28.18	2.22E+07	0.78 Y	1.13	1.14	0.2%	
PCB-80 33'55'-TeCB	28.52	2.52E+07	0.78 Y	1.31	1.28	-1.5%	
PCB-79 33'45'-TeCB	29.82	2.64E+07	0.77 Y	1.33	1.35	1.4%	
PCB-78 33'45'-TeCB	30.30	2.08E+07	0.78 Y	1.06	1.06	0.3%	
PCB-104 22'466'-PeCB	23.85	2.31E+07	0.63 Y	1.02	1.03	1.1%	
PCB-96 22'366'-PeCB	24.16	1.95E+07	0.63 Y	0.86	0.87	1.4%	
PCB-103 22'45'6'-PeCB	25.83	1.28E+07	0.63 Y	0.82	0.83	1.3%	
PCB-94 22'356'-PeCB	26.01	1.11E+07	0.63 Y	0.73	0.72	-1.6%	
PCB-95 22'35'6'-PeCB	26.39	1.19E+07	0.64 Y	0.76	0.77	1.2%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.34E+07	0.63 Y	0.77	0.76	-0.5%	
PCB-102 22'456'-PeCB	26.70	1.34E+07	0.64 Y	0.85	0.88	2.4%	
PCB-98 22'3'46'-PeCB	26.77	1.09E+07	0.64 Y	0.72	0.71	-1.1%	
PCB-88 22'346'-PeCB	27.06	1.06E+07	0.64 Y	0.73	0.69	-4.3%	
PCB-91 22'34'6'-PeCB	27.13	1.27E+07	0.64 Y	0.82	0.83	0.7%	
PCB-84 22'33'6'-PeCB	27.32	9.73E+06	0.63 Y	0.63	0.63	-0.1%	
PCB-89 22'346'-PeCB	27.73	1.01E+07	0.62 Y	0.66	0.66	-0.5%	
PCB-121 23'45'6'-PeCB	28.09	1.52E+07	0.63 Y	1.00	0.99	-1.5%	
PCB-92 22'355'-PeCB	28.40	1.04E+07	0.62 Y	0.69	0.68	-1.3%	
PCB-113/90/101 233'5'6-/22'3	28.88	3.79E+07	0.62 Y	0.83	0.82	-1.2%	
PCB-83 22'33'5'-PeCB	29.30	8.79E+06	0.63 Y	0.61	0.57	-6.6%	
PCB-99 22'44'5'-PeCB	29.40	1.24E+07	0.63 Y	0.79	0.81	2.3%	
PCB-112 233'56'-PeCB	29.50	1.43E+07	0.63 Y	0.98	0.93	-4.4%	
PCB-108/119/86/97/125/87 233	29.84	7.90E+07	0.63 Y	0.86	0.86	0.0%	
PCB-117 234'56'-PeCB	30.36	1.24E+07	0.61 Y	0.85	0.81	-4.9%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.67E+07	0.63 Y	0.86	0.87	1.3%	
PCB-110 233'4'6'-PeCB	30.57	1.35E+07	0.63 Y	0.91	0.88	-3.2%	

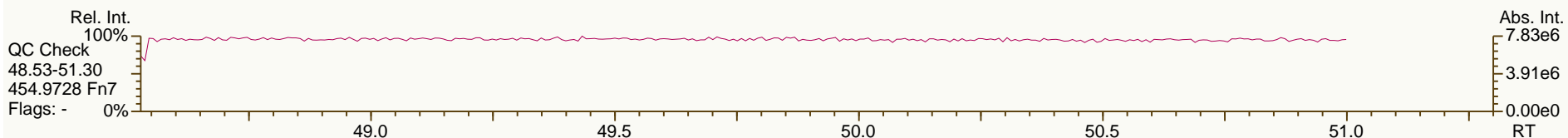
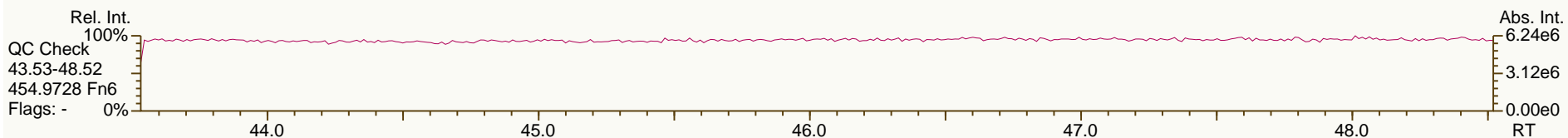
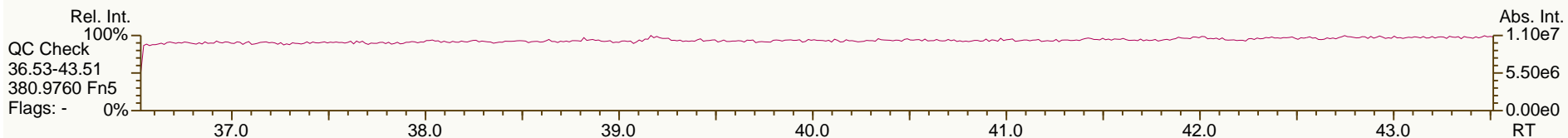
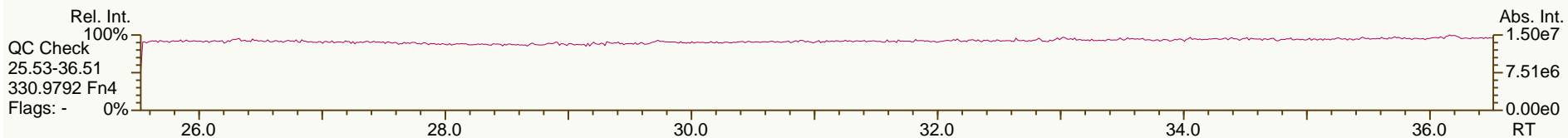
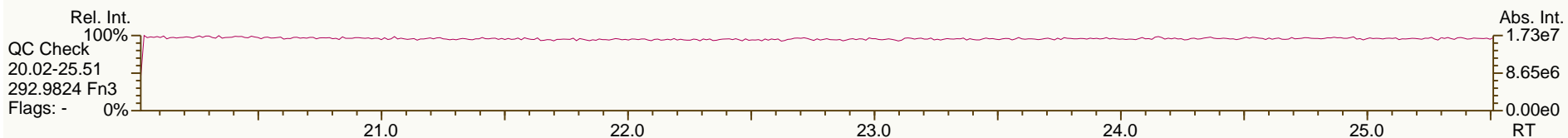
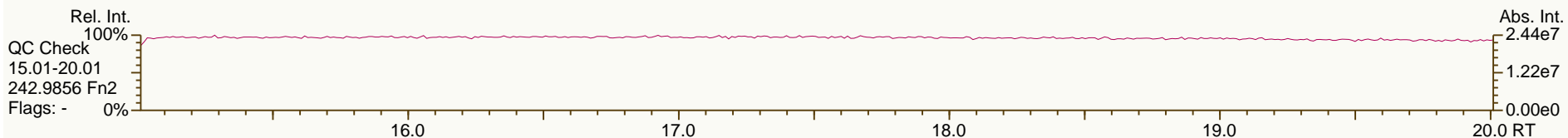
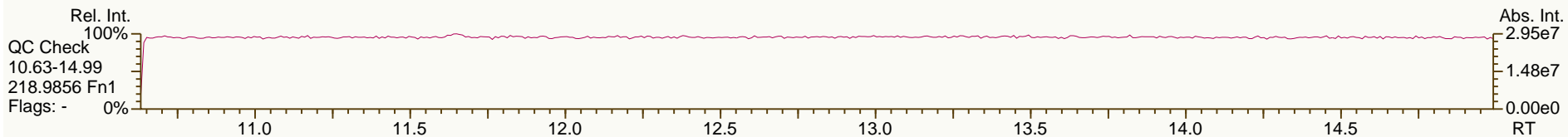
PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:16			
Lab ID:	CS3_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.64E+07	0.63 Y	1.02	1.07	5.6%	
PCB-82 22'33'4-PeCB	30.84	9.33E+06	0.63 Y	0.61	0.61	-0.2%	
PCB-111 233'55'-PeCB	31.18	1.56E+07	0.63 Y	1.02	1.02	0.0%	
PCB-120 23'455'-PeCB	31.57	1.58E+07	0.64 Y	1.01	1.03	2.2%	
PCB-107/124 233'4'5'-/2'3455'	32.52	2.87E+07	0.64 Y	0.92	0.94	1.5%	
PCB-109 233'46-PeCB	32.72	1.56E+07	0.63 Y	1.01	1.02	1.3%	
PCB-106 233'45-PeCB	32.93	1.44E+07	0.64 Y	0.93	0.94	0.6%	
PCB-122 2'33'45-PeCB	33.39	1.36E+07	0.63 Y	0.91	0.93	1.6%	
PCB-127 33'455'-PeCB	35.33	1.45E+07	0.63 Y	1.01	1.05	3.6%	
PCB-155 22'44'66'-HxCB	28.72	2.03E+07	1.25 Y	1.04	1.08	4.0%	
PCB-152 22'3566'-HxCB	28.88	1.92E+07	1.23 Y	0.99	1.02	2.7%	
PCB-150 22'34'66'-HxCB	29.02	1.89E+07	1.24 Y	0.97	1.00	3.5%	
PCB-136 22'33'66'-HxCB	29.32	1.76E+07	1.23 Y	0.91	0.94	2.9%	
PCB-145 22'3466'HxCB	29.58	1.78E+07	1.24 Y	0.93	0.94	1.6%	
PCB-148 22'33'456'-HxCB	30.86	1.41E+07	1.21 Y	0.94	0.92	-2.0%	
PCB-151/135 22'355'6-/22'33'	31.37	2.77E+07	1.25 Y	0.91	0.91	0.2%	
PCB-154 22'44'5'6-HxCB	31.58	1.57E+07	1.23 Y	1.05	1.02	-2.8%	
PCB-144 22'345'6-HxCB	31.84	1.43E+07	1.23 Y	0.92	0.94	1.6%	
PCB-147/149 22'34'56-/22'34'	32.14	2.86E+07	1.24 Y	0.94	0.94	-0.3%	
PCB-134 22'33'56-HxCB	32.30	1.18E+07	1.24 Y	0.72	0.77	7.7%	
PCB-143 22'3456'-HxCB	32.38	1.34E+07	1.24 Y	0.88	0.87	-0.7%	
PCB-139/140 22'344'6-/22'344'	32.64	2.86E+07	1.24 Y	0.93	0.94	0.3%	
PCB-131 22'33'46-HxCB	32.81	1.25E+07	1.25 Y	0.82	0.82	-0.2%	
PCB-142 22'3456-HxCB	32.95	1.26E+07	1.19 Y	0.84	0.82	-1.2%	
PCB-132 22'33'46'-HxCB	33.19	1.27E+07	1.24 Y	0.84	0.83	-1.6%	
PCB-133 22'33'55'-HxCB	33.61	1.32E+07	1.23 Y	0.86	0.86	0.5%	
PCB-165 233'55'6-HxCB	33.95	1.61E+07	1.24 Y	1.04	1.06	1.3%	
PCB-146 22'34'55'-HxCB	34.16	1.45E+07	1.23 Y	0.92	0.95	3.3%	
PCB-161 233'45'6-HxCB	34.28	1.82E+07	1.22 Y	1.20	1.19	-1.2%	
PCB-153/168 22'44'55'-/23'44'	34.70	3.44E+07	1.22 Y	1.12	1.13	0.7%	
PCB-141 22'3455'-HxCB	34.84	1.35E+07	1.24 Y	0.87	0.88	2.1%	
PCB-130 22'33'45'-HxCB	35.18	1.20E+07	1.23 Y	0.78	0.79	0.9%	
PCB-137 22'344'5-HxCB	35.38	1.57E+07	1.22 Y	0.96	1.03	6.9%	
PCB-164 233'4'5'6-HxCB	35.46	1.72E+07	1.24 Y	1.14	1.12	-1.8%	
PCB-163/138/129 233'4'56-/22'	35.74	4.44E+07	1.23 Y	0.95	0.97	1.5%	
PCB-160 233'456-HxCB	35.87	1.75E+07	1.23 Y	1.12	1.14	1.7%	
PCB-158 233'44'6-HxCB	36.06	1.97E+07	1.21 Y	1.25	1.29	3.3%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.59E+07	1.27 Y	0.98	0.98	-0.1%	
PCB-159 233'455'-HxCB	37.61	1.53E+07	1.28 Y	1.14	1.16	1.8%	
PCB-162 233'4'55'-HxCB	37.85	1.52E+07	1.25 Y	1.13	1.15	1.6%	
PCB-188 22'34'566'-HpCB	33.55	2.05E+07	1.04 Y	0.94	0.97	2.3%	
PCB-179 22'33'566'-HpCB	33.83	1.81E+07	1.05 Y	0.81	0.85	5.4%	
PCB-184 22'344'66'-HpCB	34.28	1.80E+07	1.03 Y	0.85	0.85	-0.5%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:16		
Lab ID:	CS3_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 22:18						
Datafile:	120125V11						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.57	1.99E+07	1.05 Y	0.93	0.94	0.7%	
PCB-186 22'34566'-HpCB	34.96	1.87E+07	1.01 Y	0.88	0.88	0.8%	
PCB-178 22'33'55'6'-HpCB	36.10	1.41E+07	1.04 Y	0.66	0.67	0.5%	
PCB-175 22'33'45'6'-HpCB	36.64	1.19E+07	1.03 Y	0.81	0.82	1.3%	
PCB-187 22'34'55'6'-HpCB	36.87	1.27E+07	1.06 Y	0.89	0.87	-2.2%	
PCB-182 22'344'56'-HpCB	37.04	1.29E+07	1.05 Y	0.89	0.89	0.9%	
PCB-183 22'344'5'6'-HpCB	37.38	1.23E+07	1.03 Y	0.91	0.85	-6.1%	
PCB-185 22'3455'6'-HpCB	37.46	1.35E+07	1.05 Y	0.87	0.93	7.7%	
PCB-174 22'33'456'-HpCB	37.58	1.11E+07	1.04 Y	0.76	0.76	0.1%	
PCB-177 22'33'4'56'-HpCB	37.95	1.08E+07	1.03 Y	0.75	0.75	-0.6%	
PCB-181 22'344'56'-HpCB	38.29	1.26E+07	1.03 Y	0.87	0.87	-0.1%	
PCB-171/173 22'33'44'6'-/22'3	38.47	2.21E+07	1.05 Y	0.76	0.76	-0.4%	
PCB-172 22'33'455'-HpCB	39.83	1.13E+07	1.02 Y	0.76	0.78	2.5%	
PCB-192 233'455'6'-HpCB	40.07	1.51E+07	1.05 Y	1.02	1.04	1.7%	
PCB-180/193 22'344'55'-/233'	40.35	2.82E+07	1.04 Y	0.97	0.97	0.6%	
PCB-191 233'44'5'6'-HpCB	40.67	1.55E+07	1.05 Y	1.05	1.07	1.7%	
PCB-170 22'33'44'5'-HpCB	41.43	1.16E+07	1.05 Y	0.99	0.98	-0.1%	
PCB-190 233'44'56'-HpCB	41.88	1.60E+07	1.02 Y	1.37	1.36	-0.7%	
PCB-202 22'33'55'66'-OcCB	38.05	1.51E+07	0.89 Y	0.86	0.86	0.3%	
PCB-201 22'33'45'66'-OcCB	38.83	1.71E+07	0.90 Y	0.96	0.97	1.5%	
PCB-204 22'344'566'-OcCB	39.40	1.60E+07	0.89 Y	0.93	0.91	-1.6%	
PCB-197 22'33'44'66'-OcCB	39.59	1.67E+07	0.89 Y	0.99	0.95	-3.5%	
PCB-200 22'33'4566'-OcCB	39.67	1.64E+07	0.89 Y	0.91	0.93	2.1%	
PCB-198/199 22'33'455'6'-/22'	42.00	2.38E+07	0.89 Y	0.68	0.68	-1.2%	
PCB-196 22'33'44'56'-OcCB	42.57	1.19E+07	0.90 Y	0.69	0.68	-1.9%	
PCB-203 22'344'55'6'-OcCB	42.73	1.29E+07	0.88 Y	0.73	0.73	-0.2%	
PCB-195 22'33'44'56'-OcCB	43.84	9.85E+06	0.93 Y	0.92	0.92	0.9%	
PCB-194 22'33'44'55'-OcCB	45.79	1.04E+07	0.93 Y	0.96	0.97	1.5%	
PCB-205 233'44'55'6'-OcCB	46.18	1.30E+07	0.93 Y	1.20	1.22	1.9%	
PCB-208 22'33'455'66'-NoCB	43.64	1.26E+07	0.76 Y	1.01	1.03	2.4%	
PCB-207 22'33'44'566'-NoCB	44.42	1.30E+07	0.78 Y	1.06	1.06	0.3%	
PCB-206 22'33'44'55'6'-NoCB	47.63	9.02E+06	0.77 Y	0.95	0.94	-1.4%	

AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

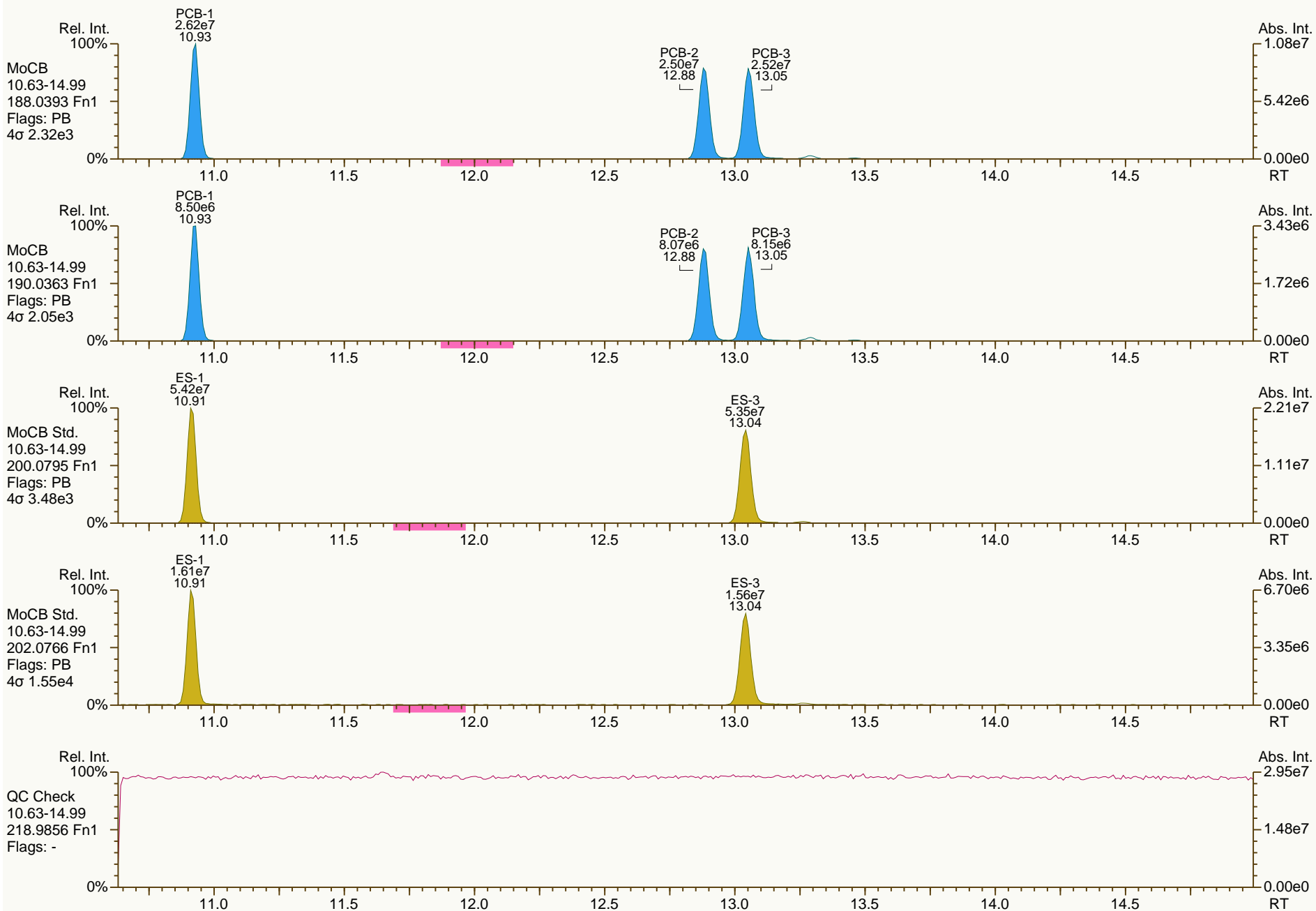
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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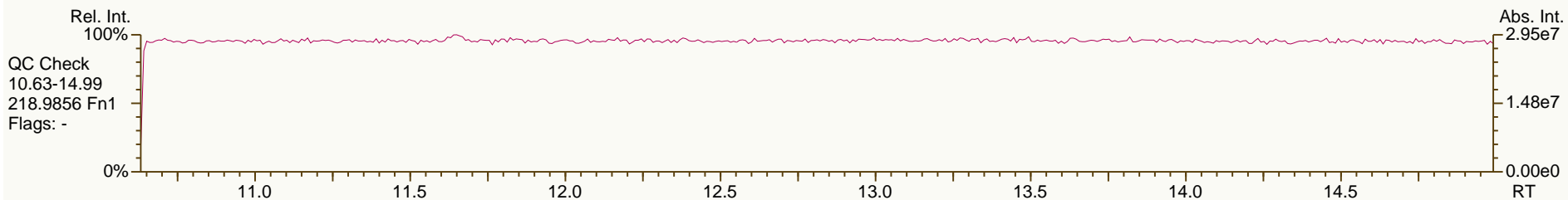
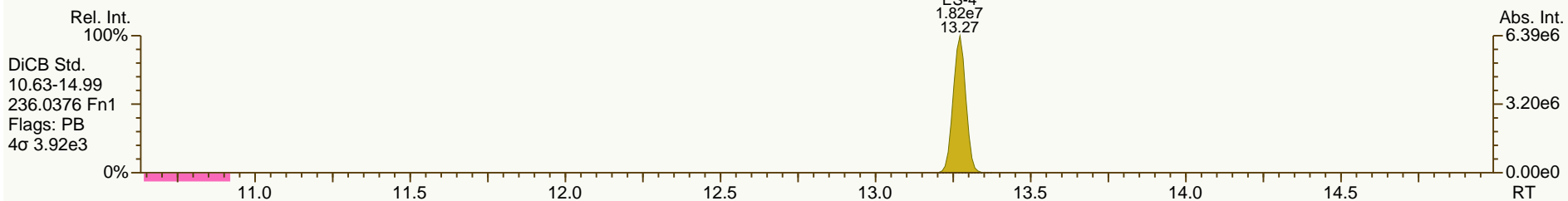
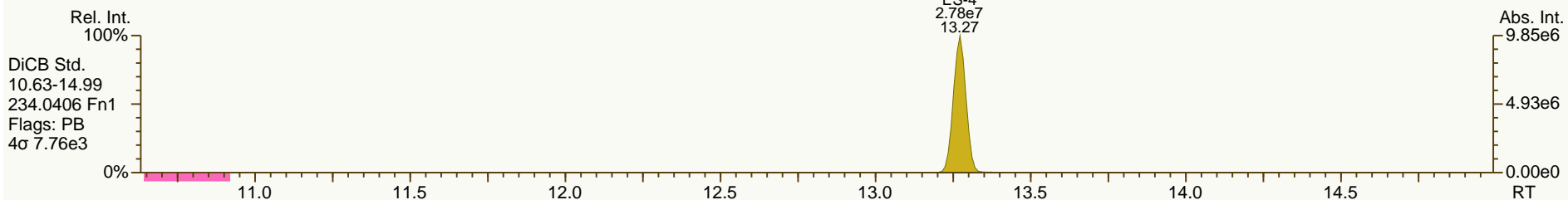
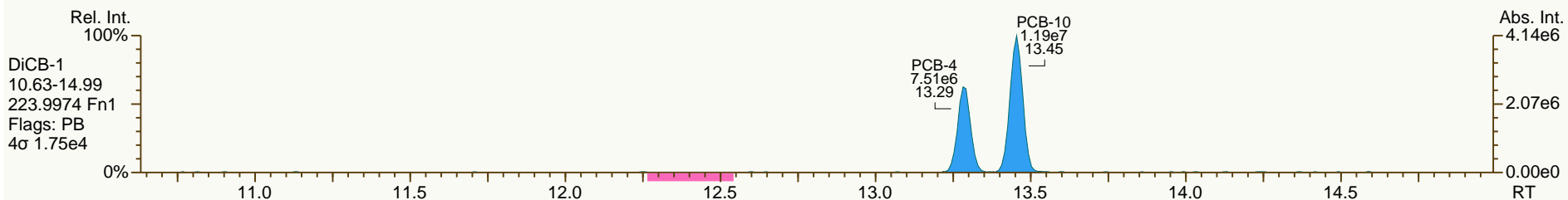
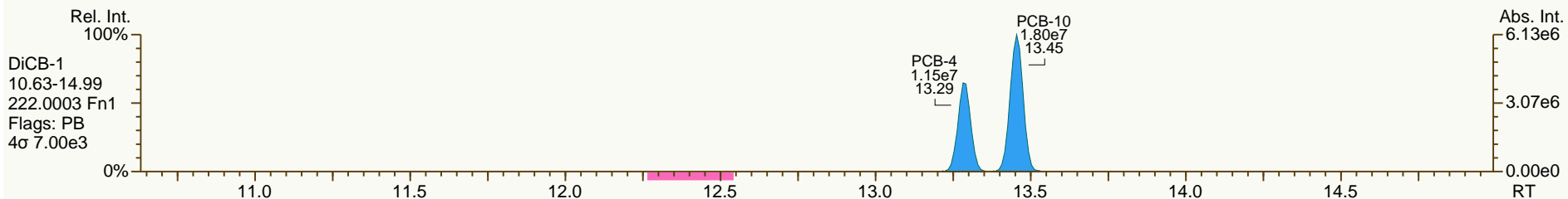
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

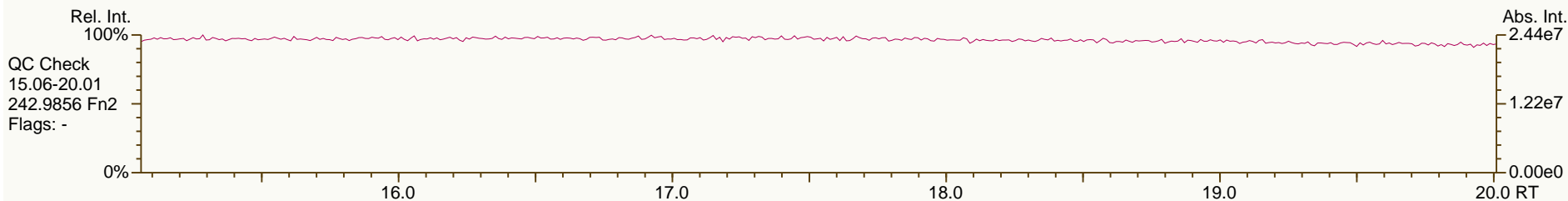
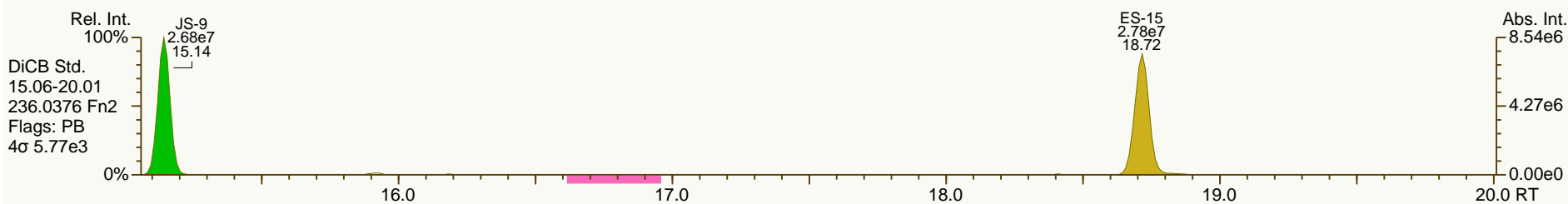
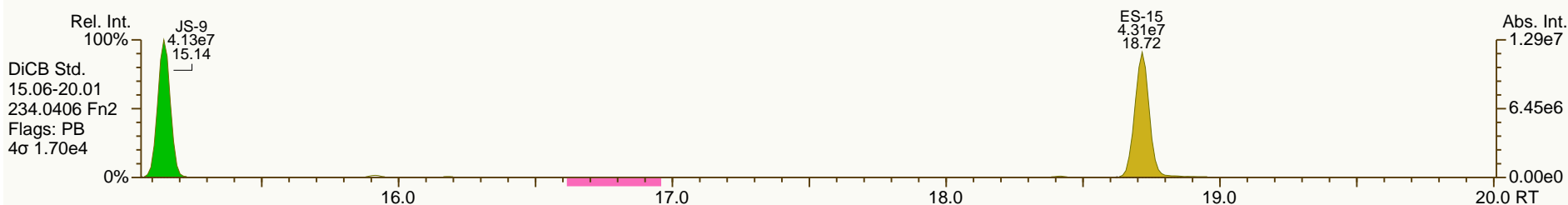
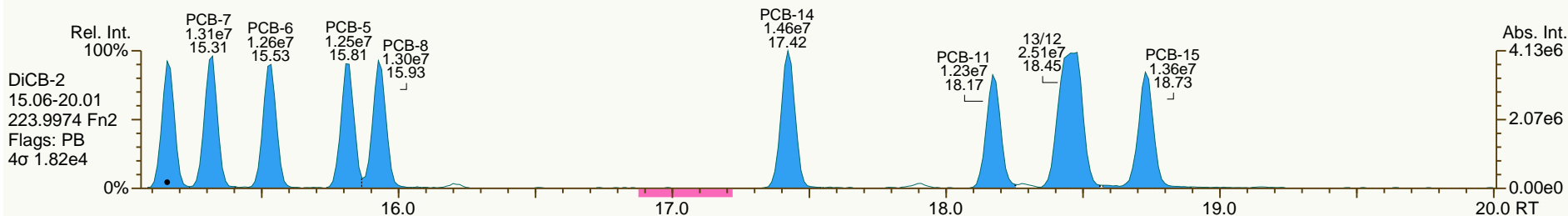
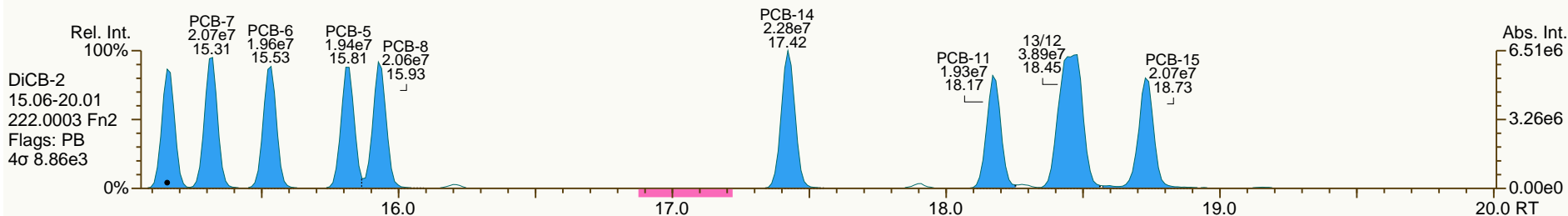
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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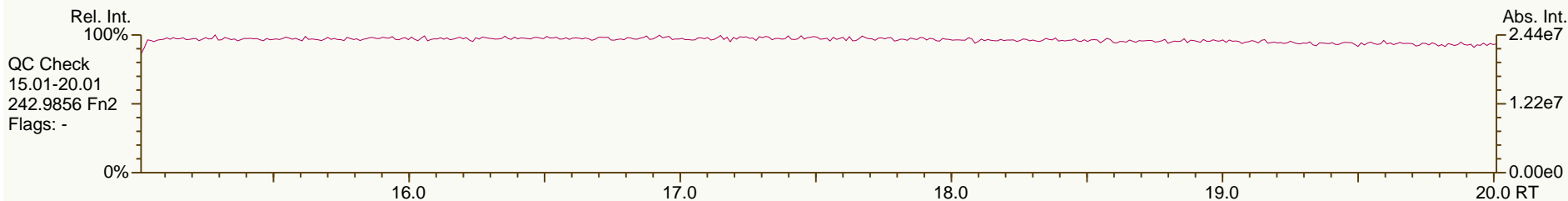
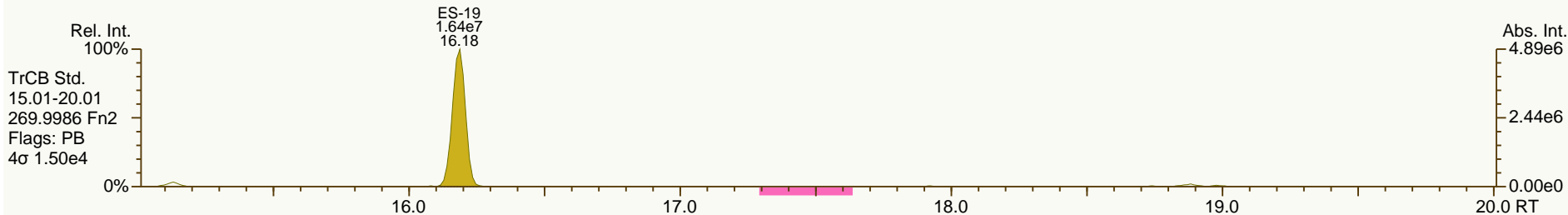
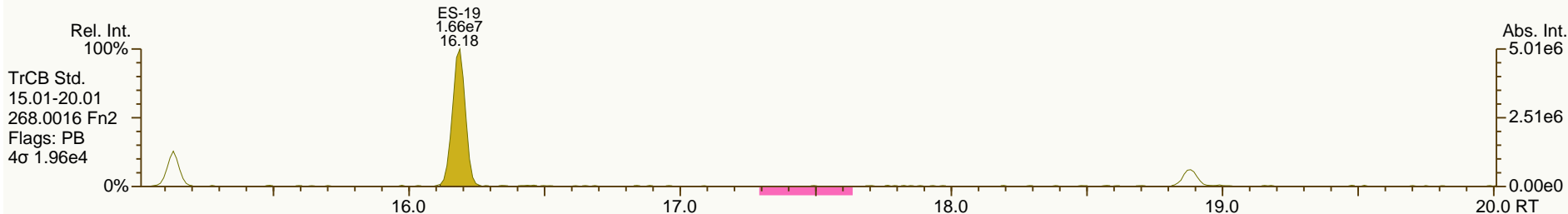
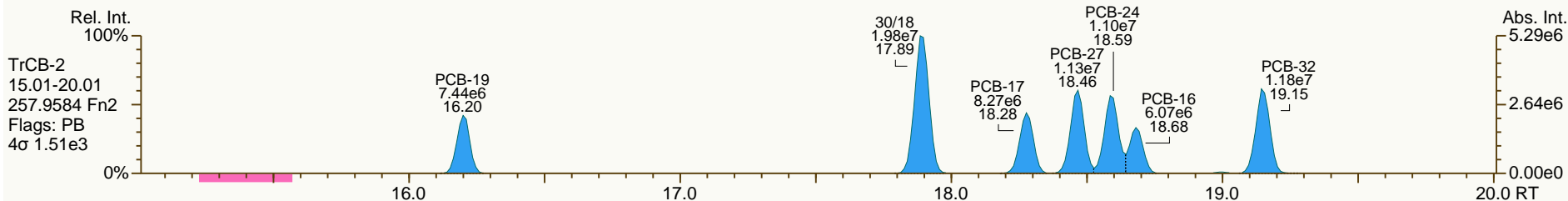
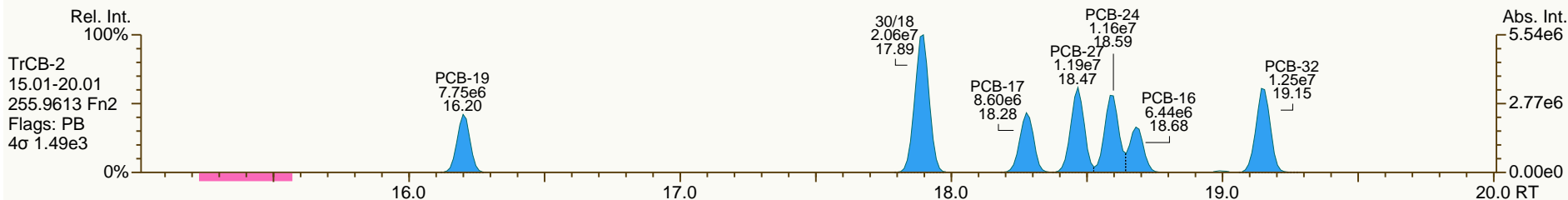
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

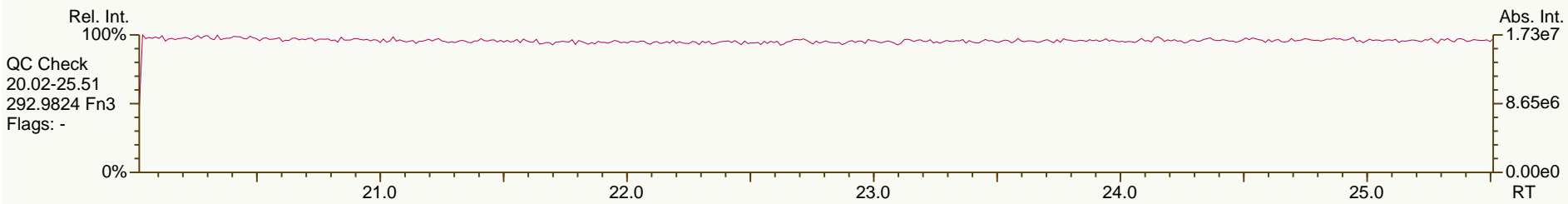
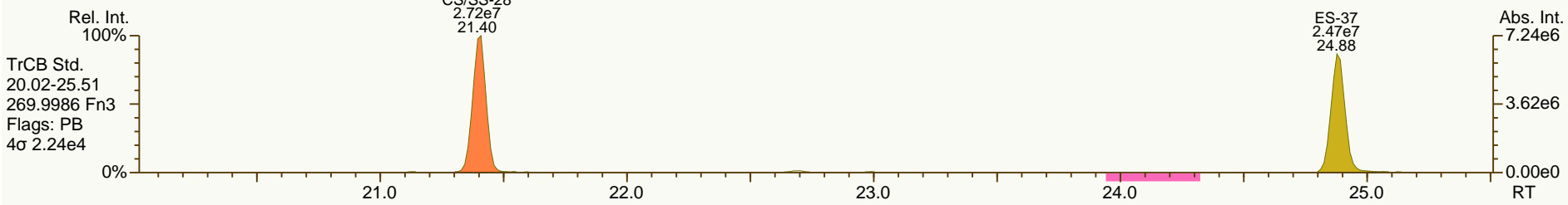
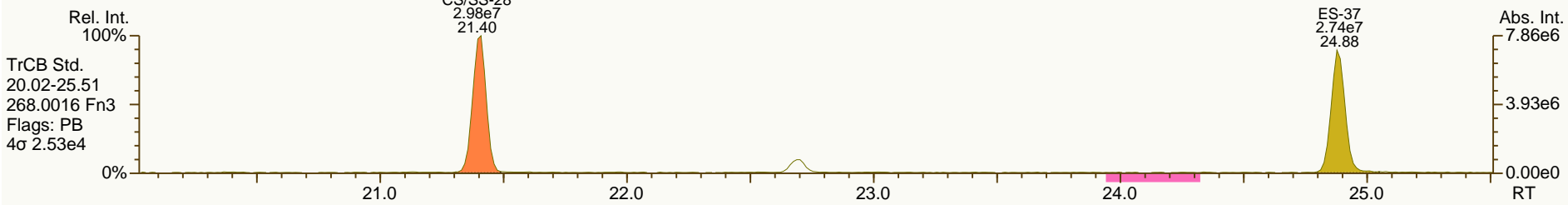
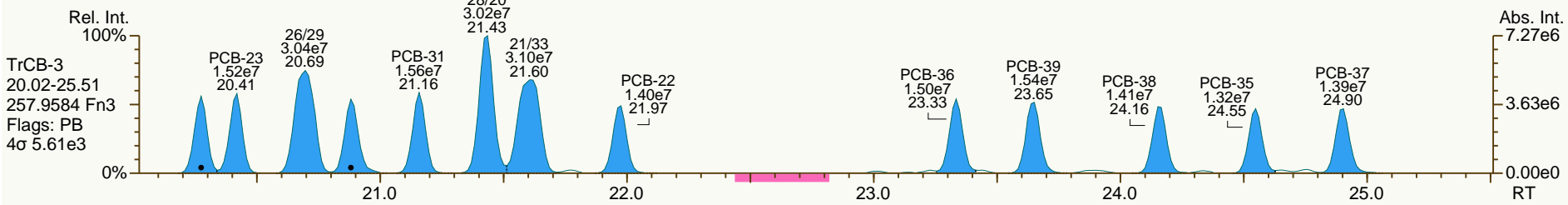
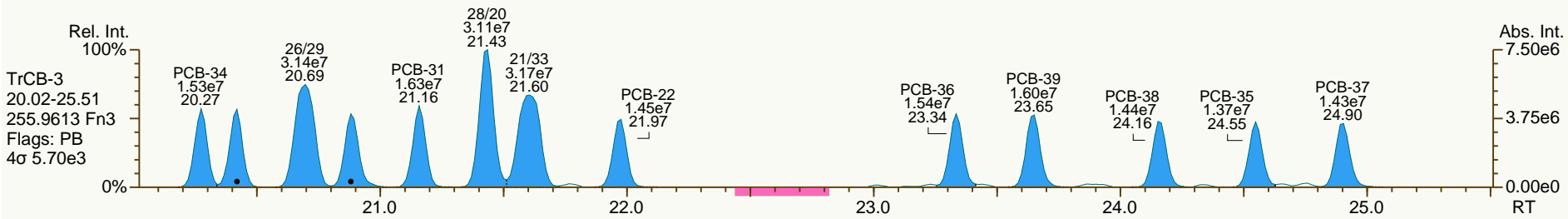
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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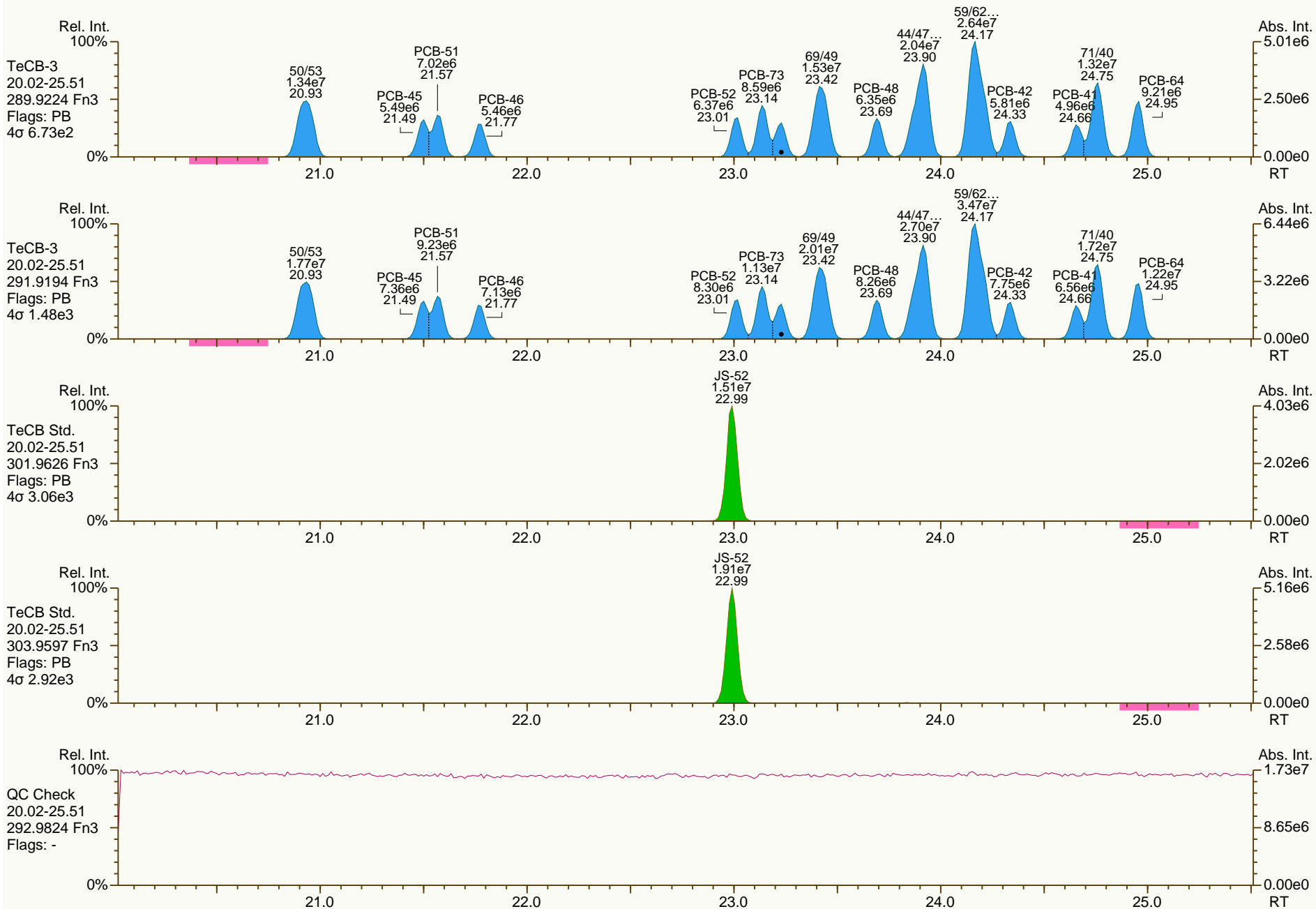
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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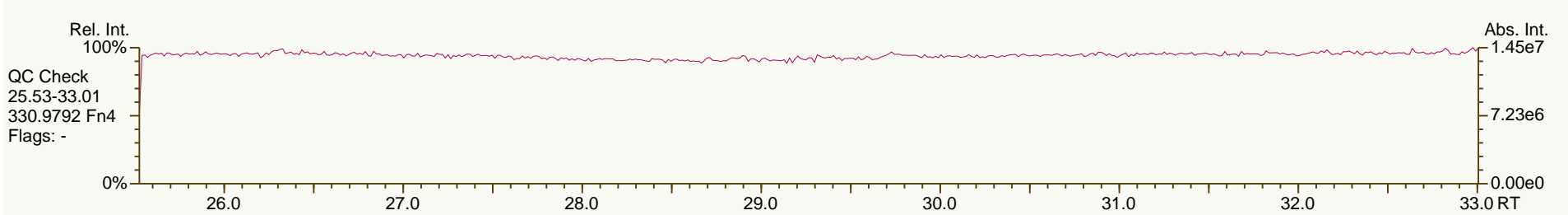
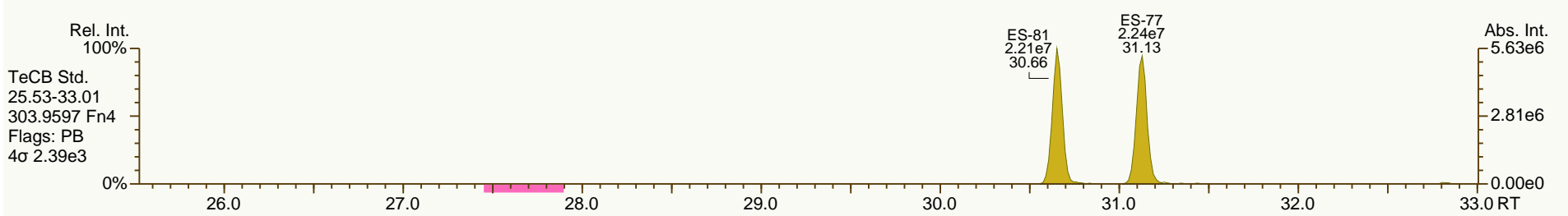
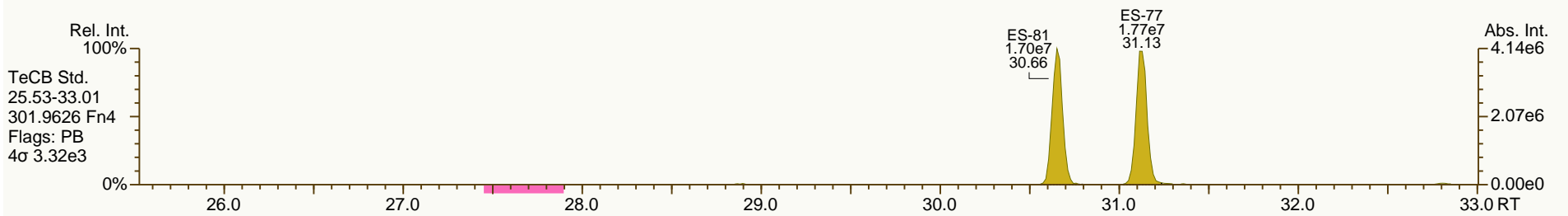
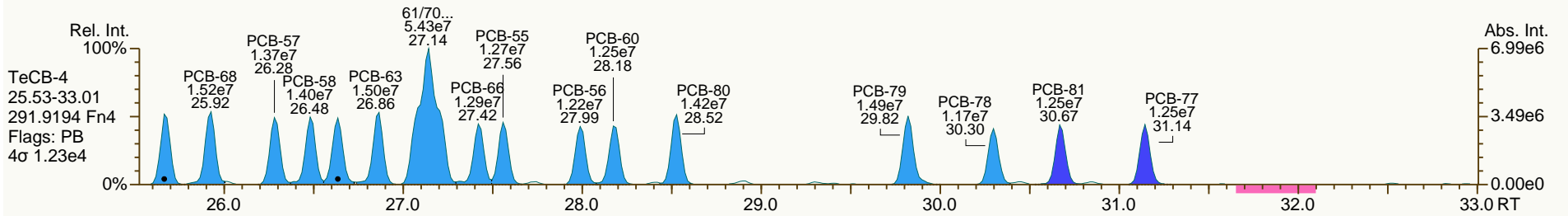
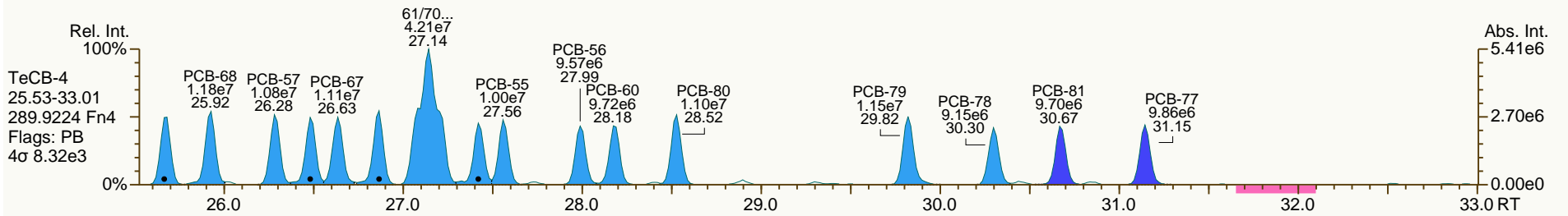
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

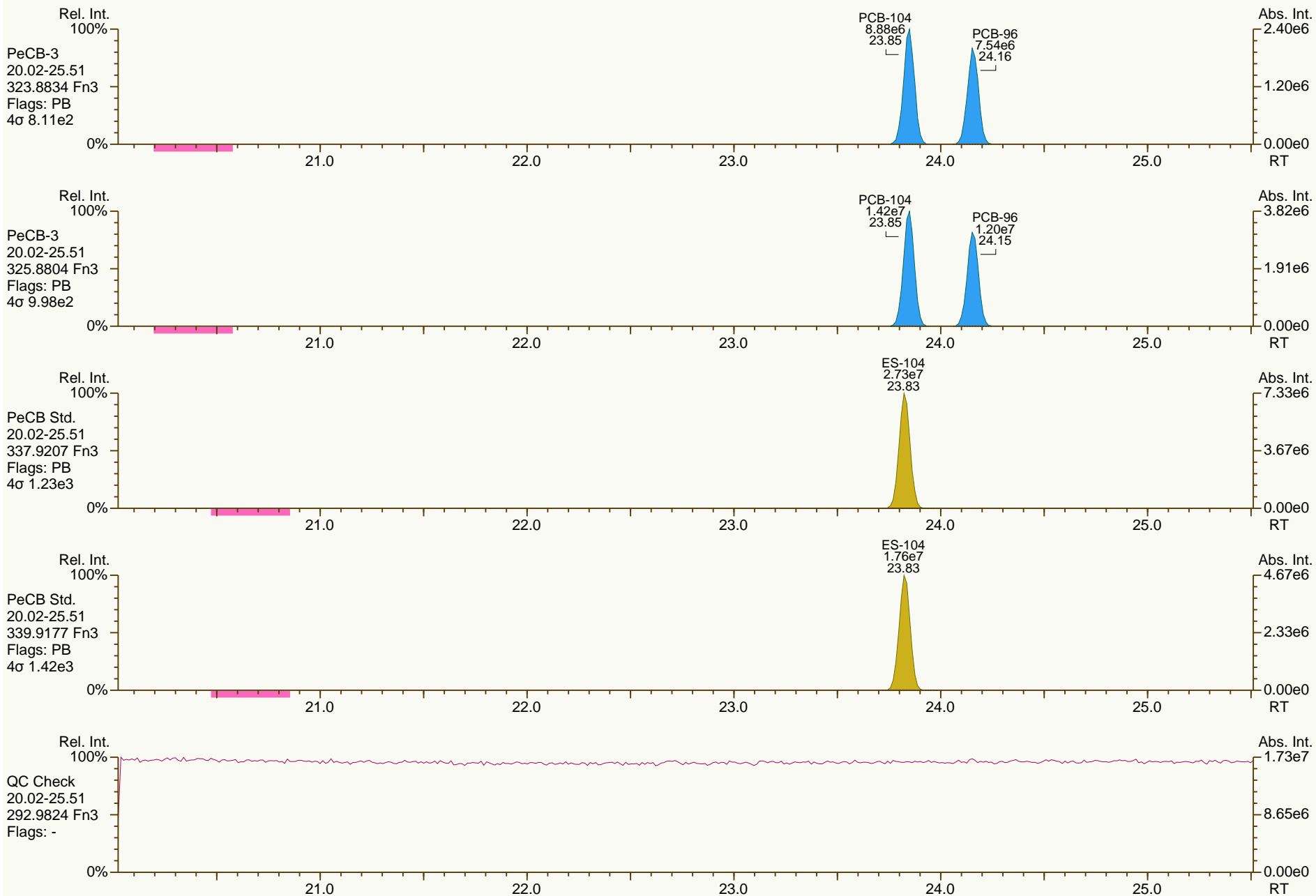
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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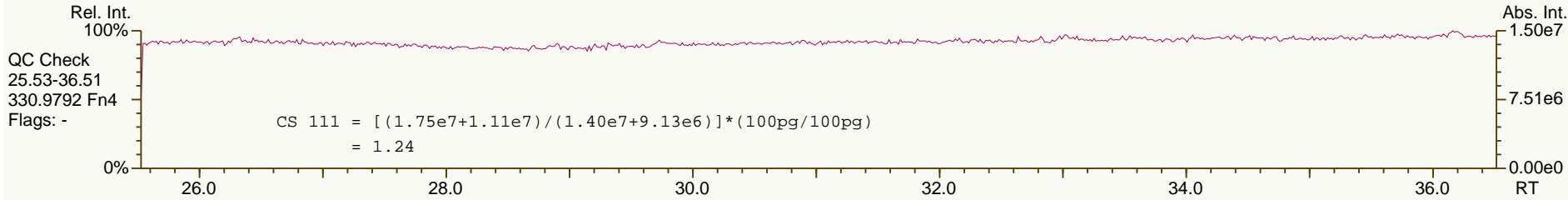
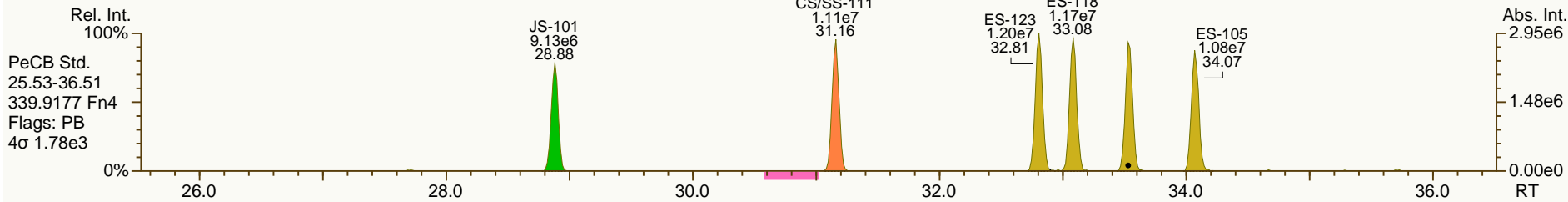
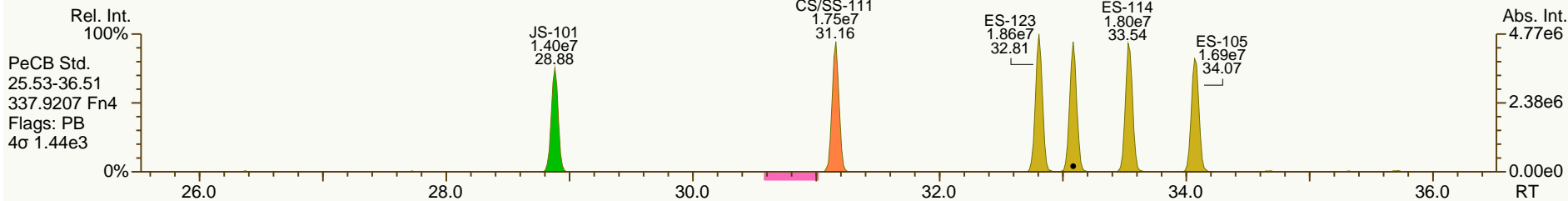
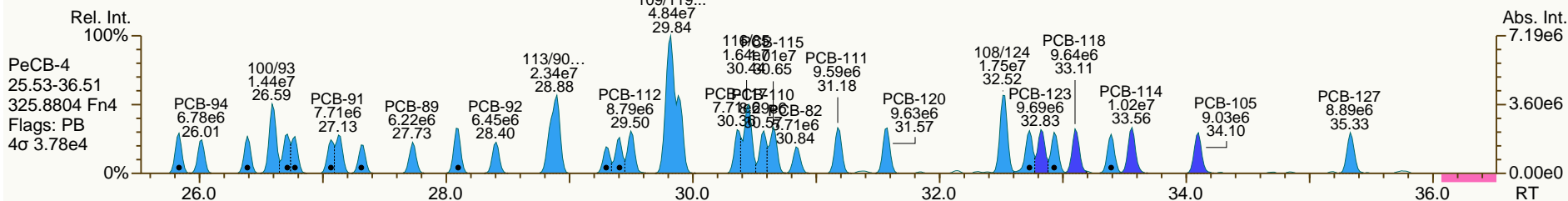
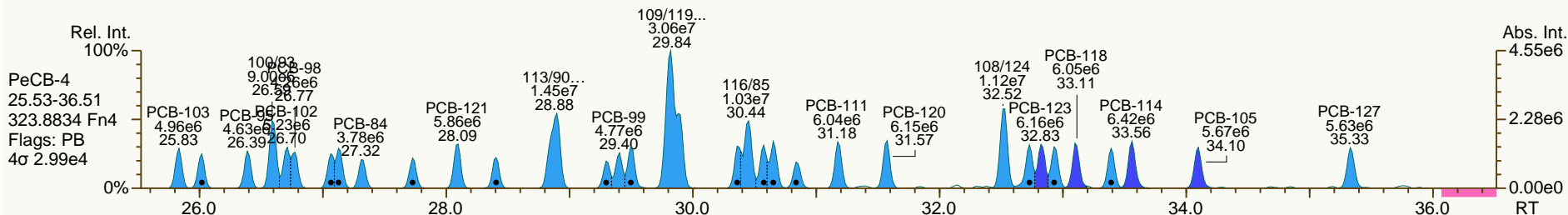
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

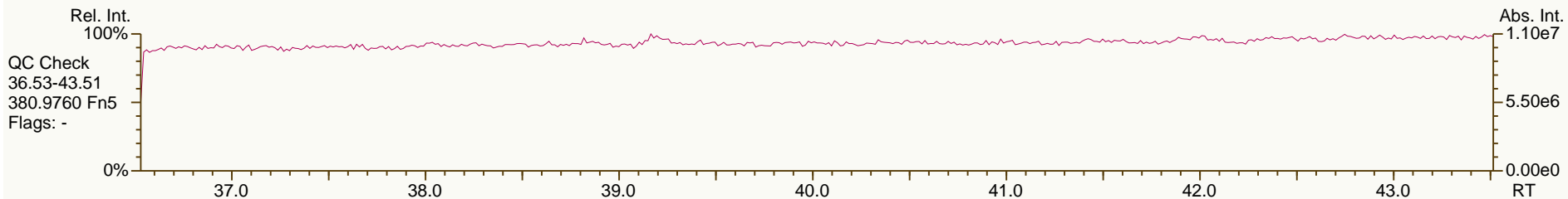
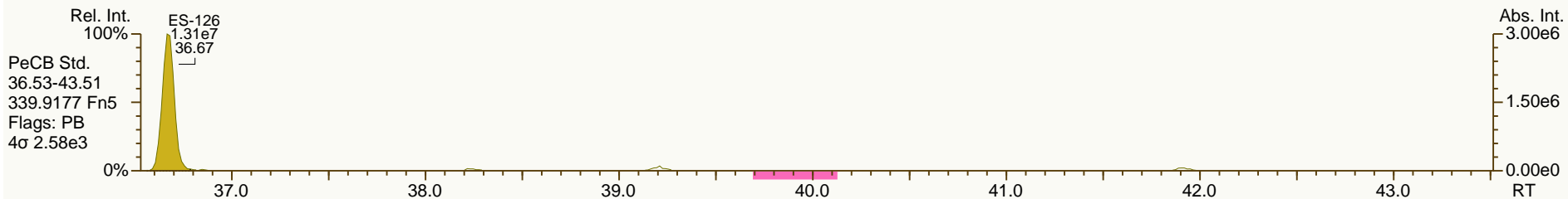
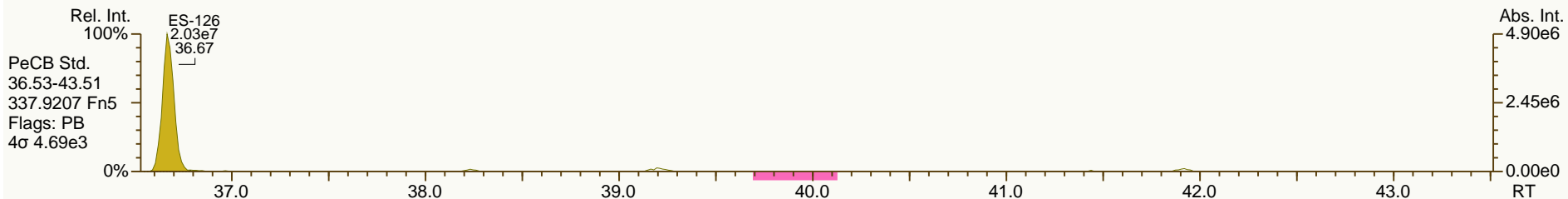
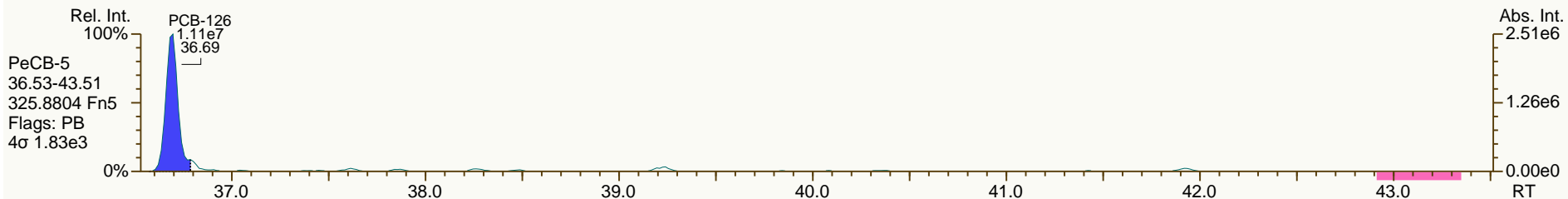
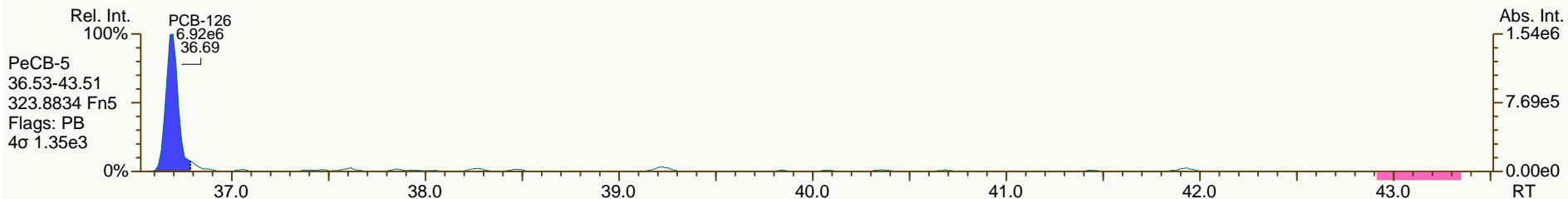
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 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

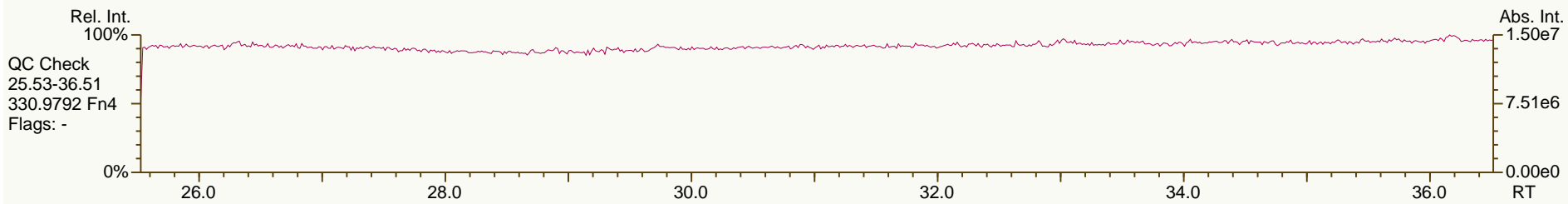
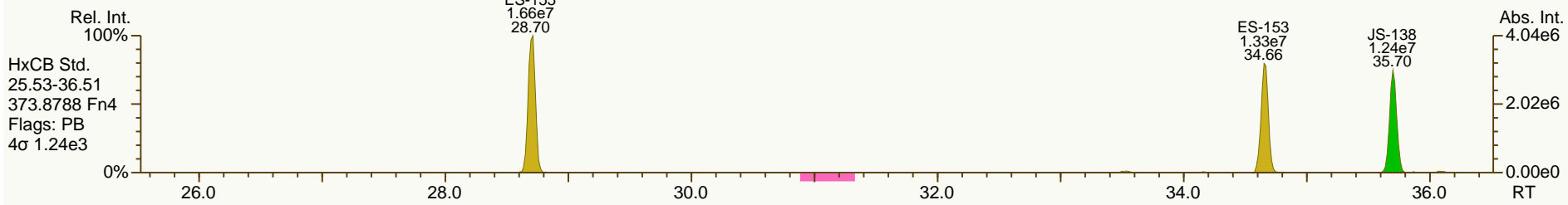
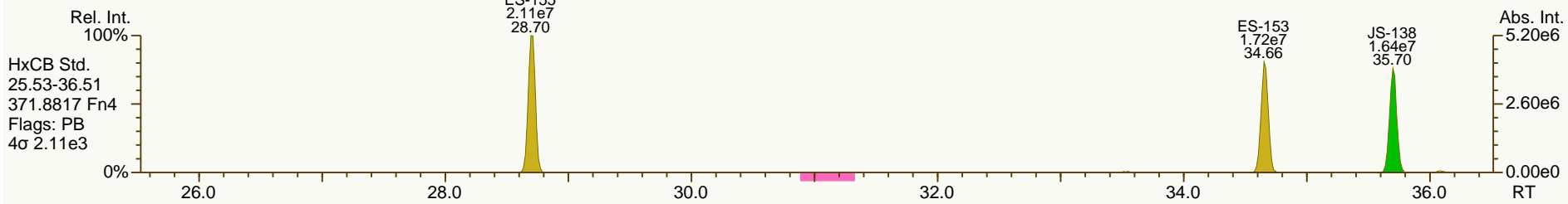
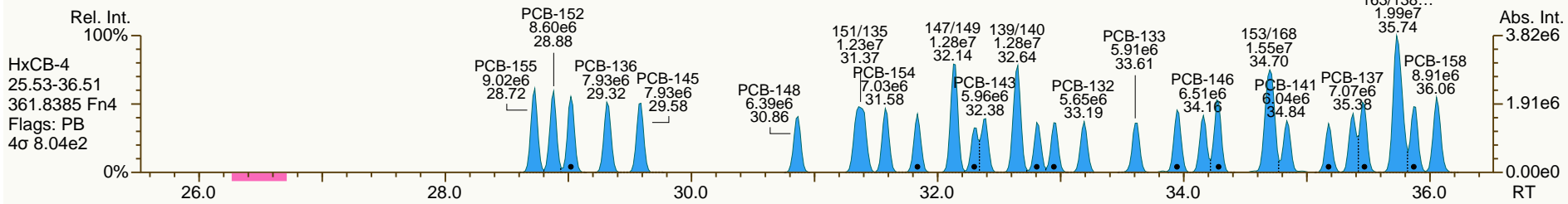
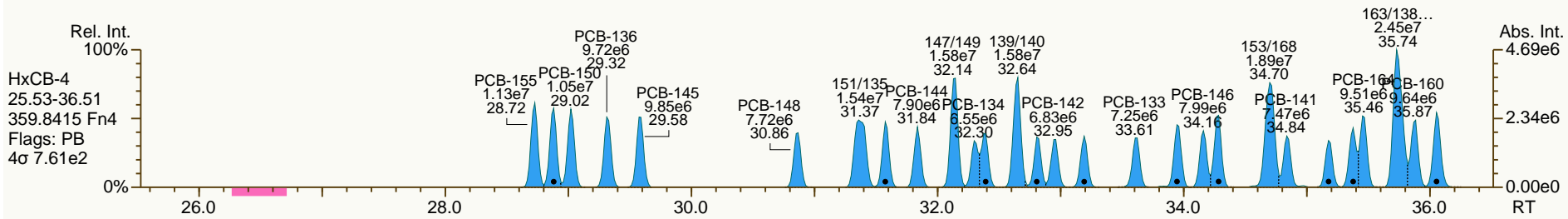
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

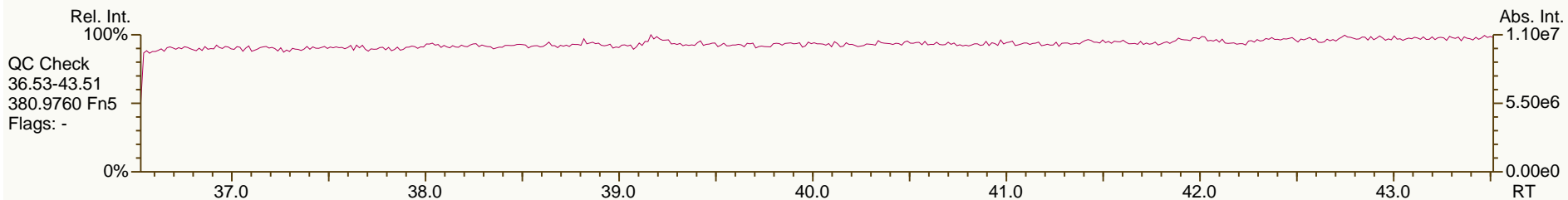
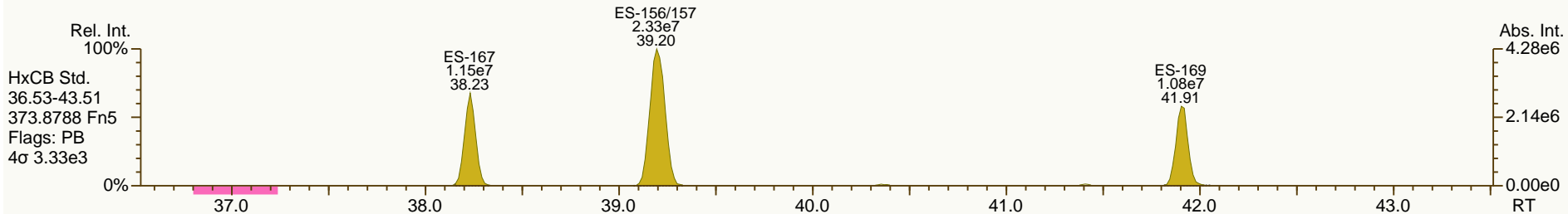
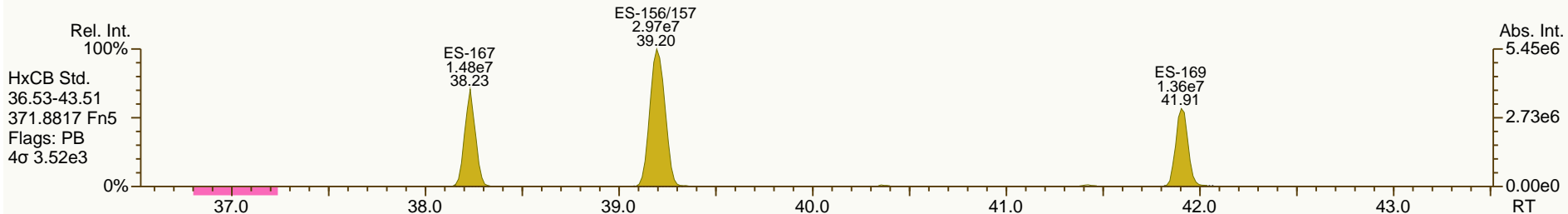
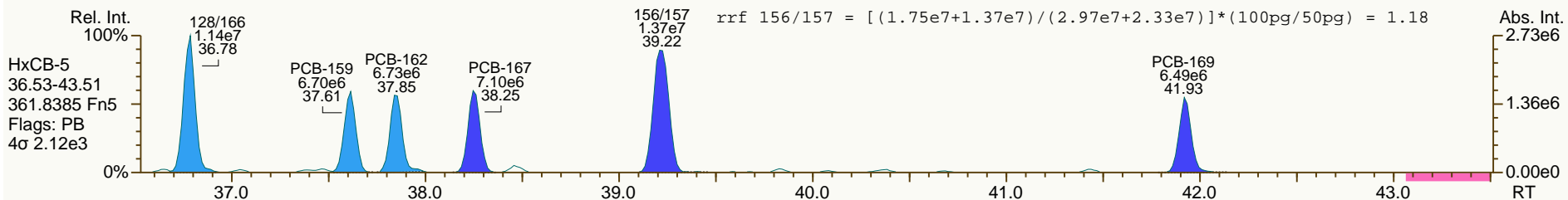
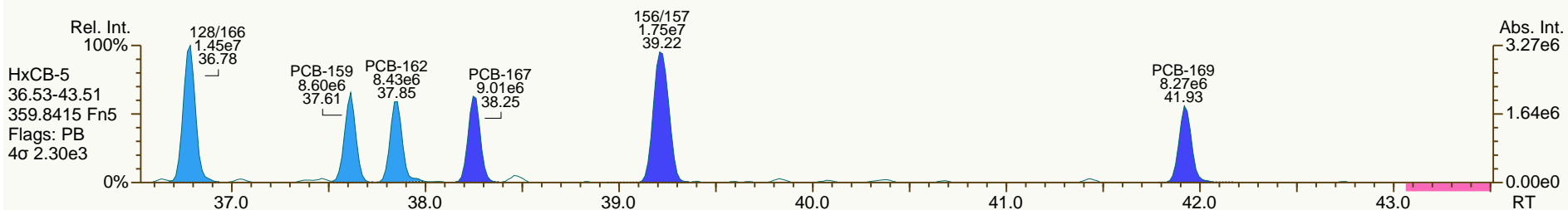
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

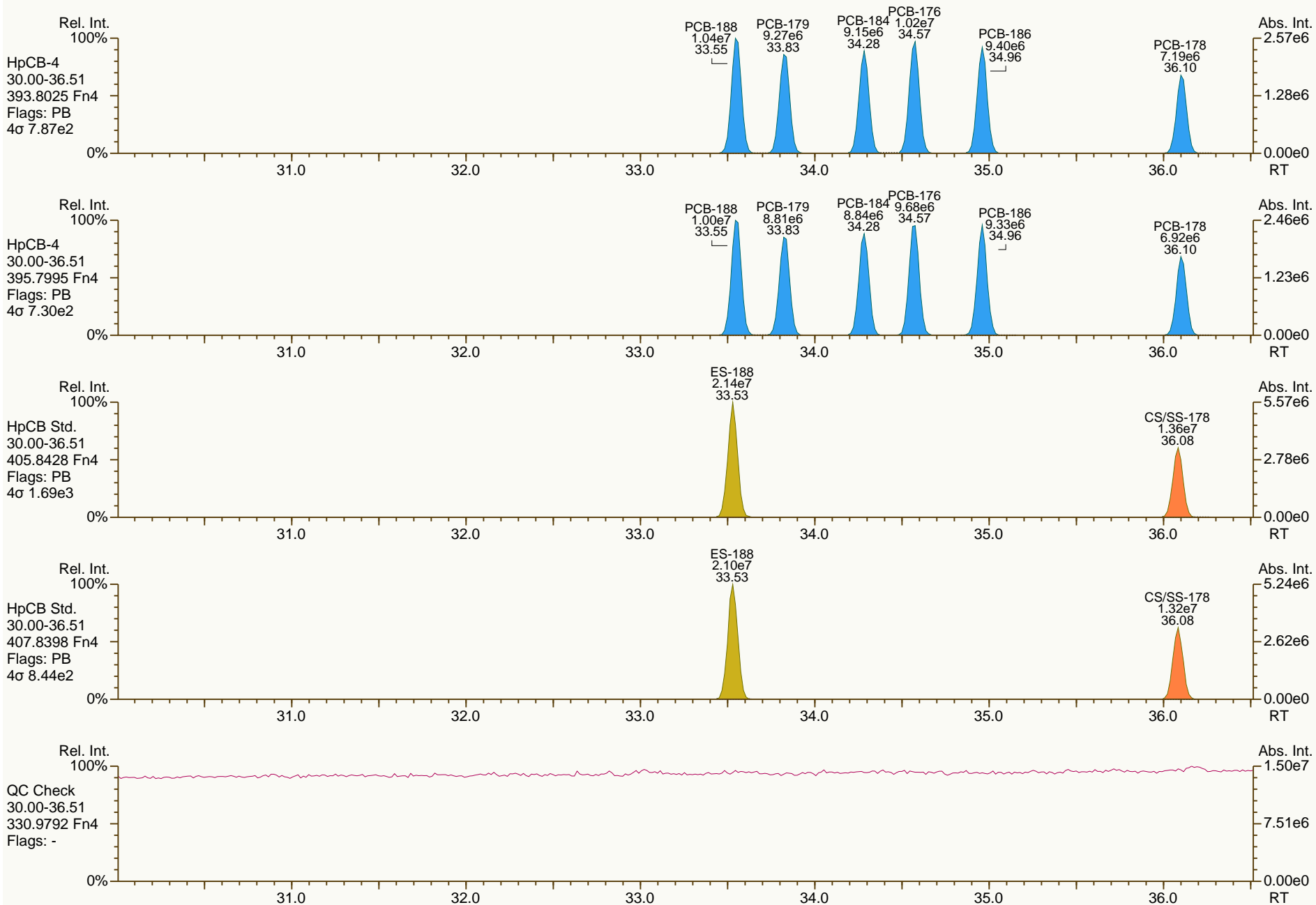
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
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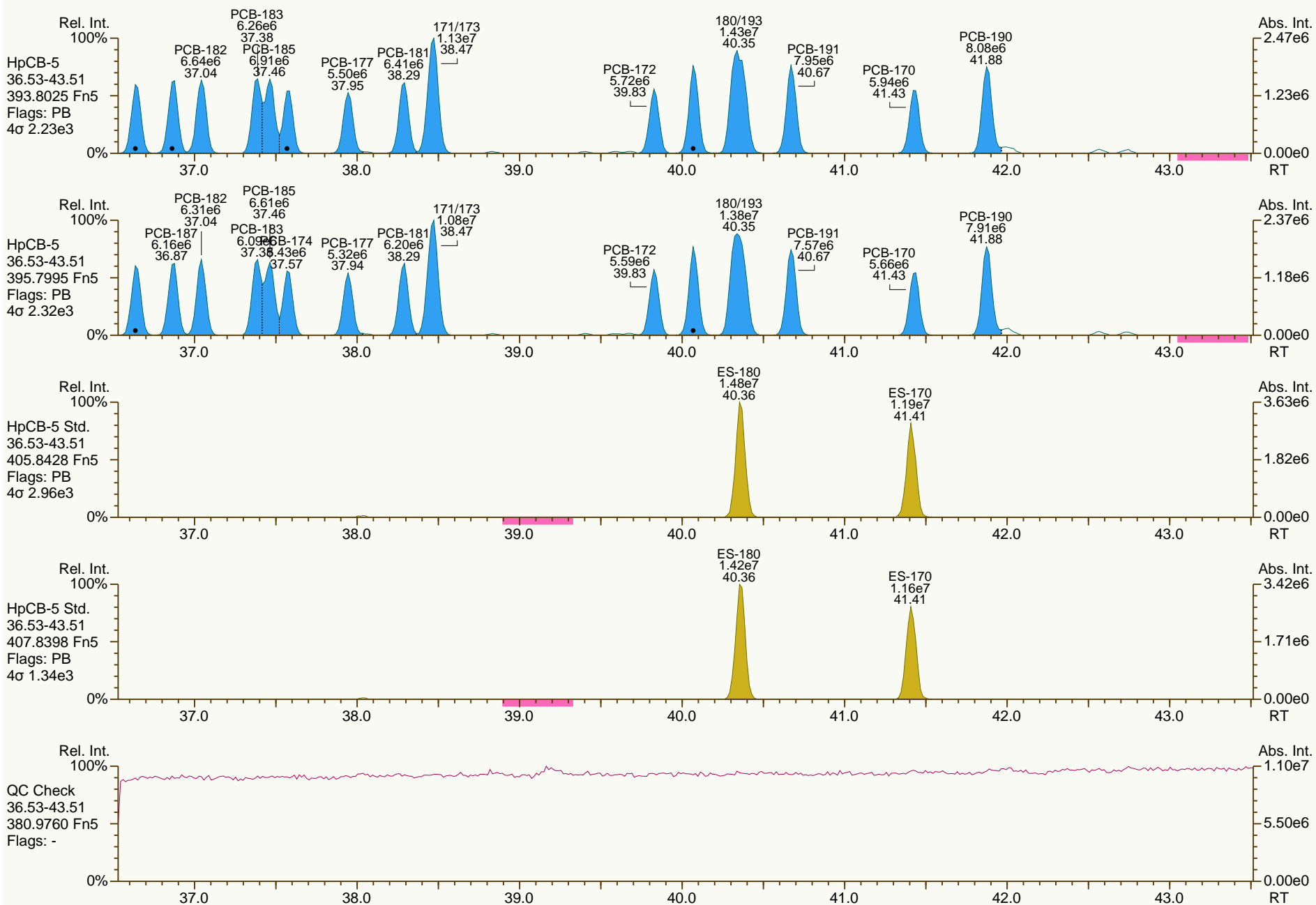
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

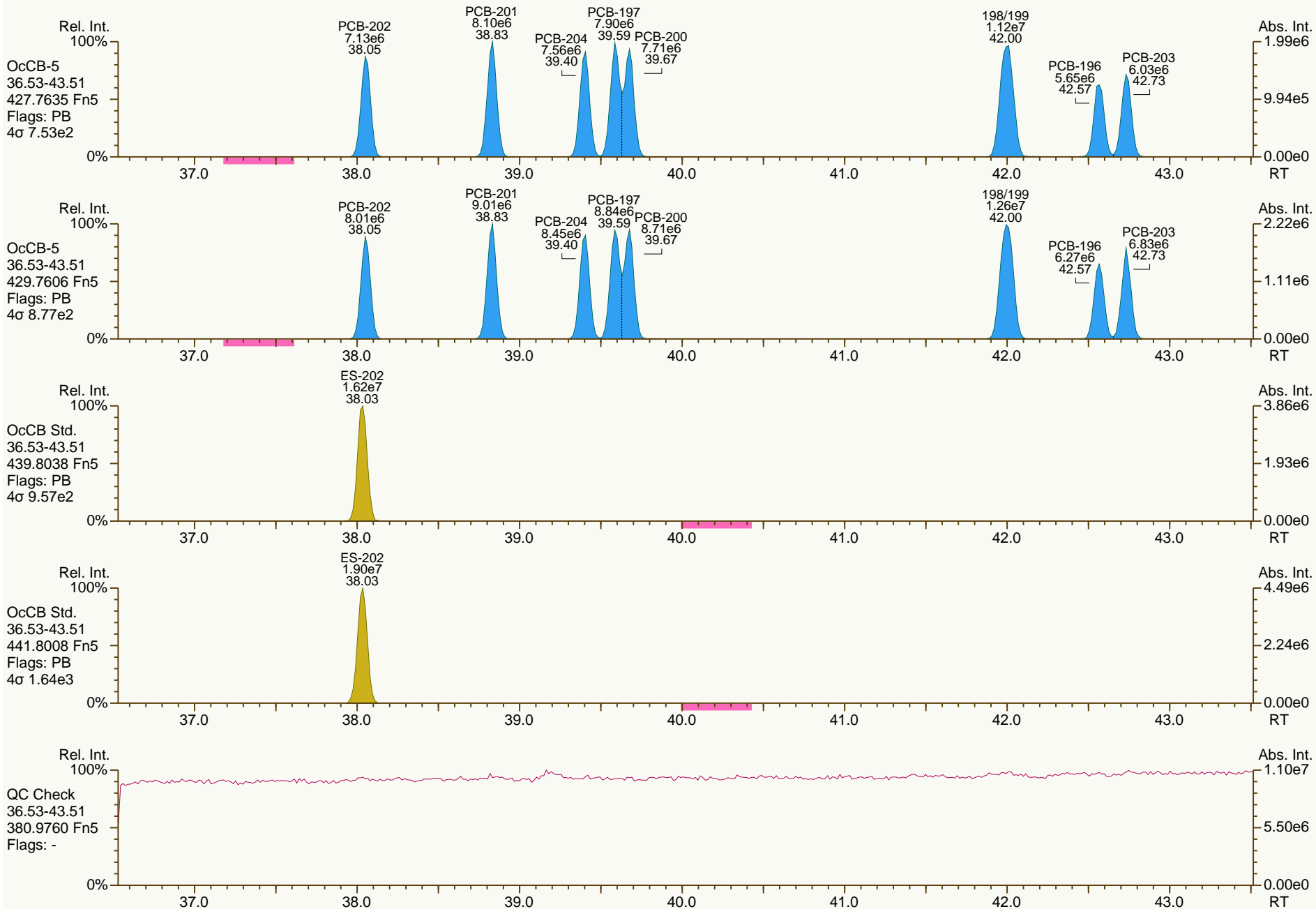
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

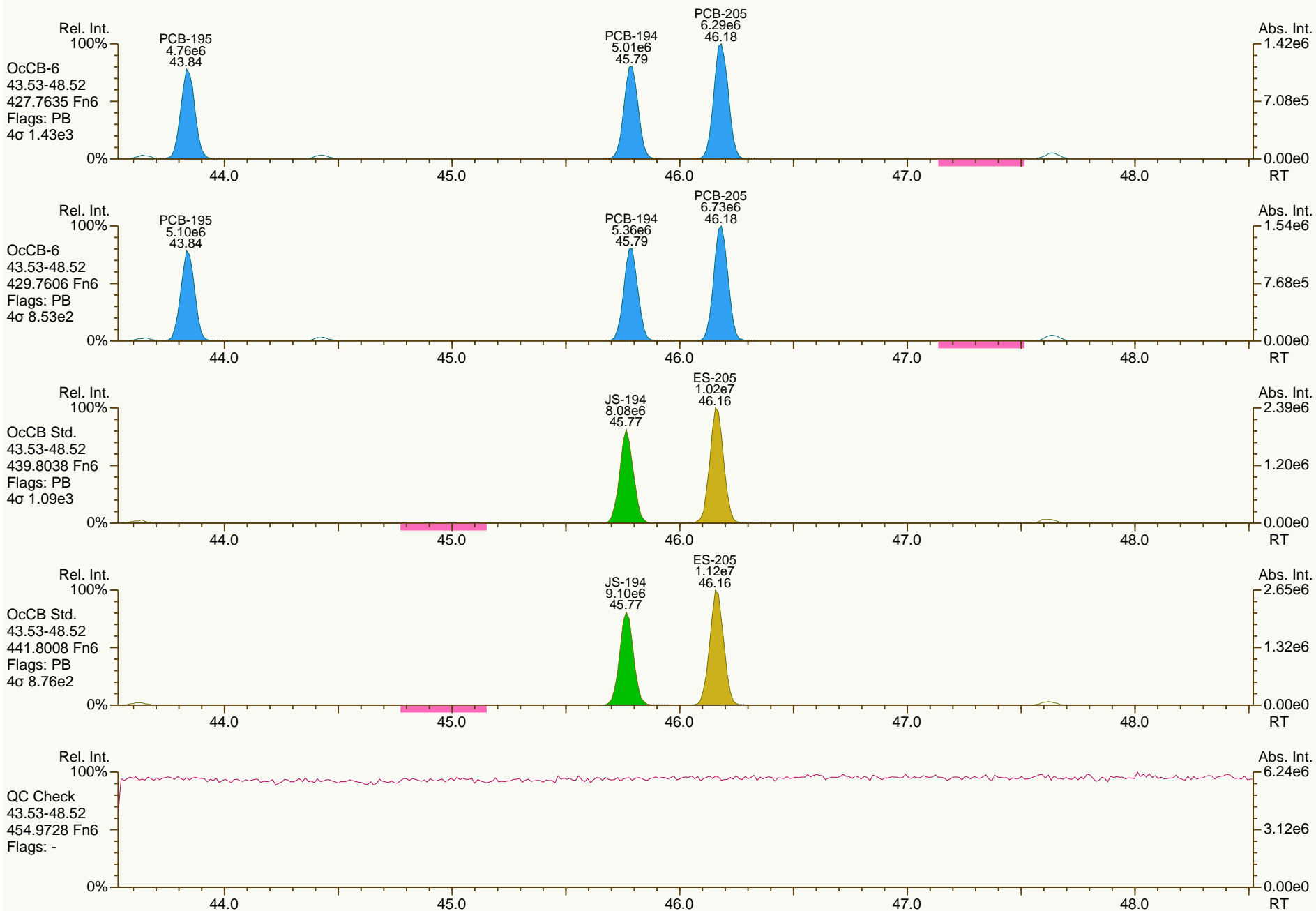
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AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

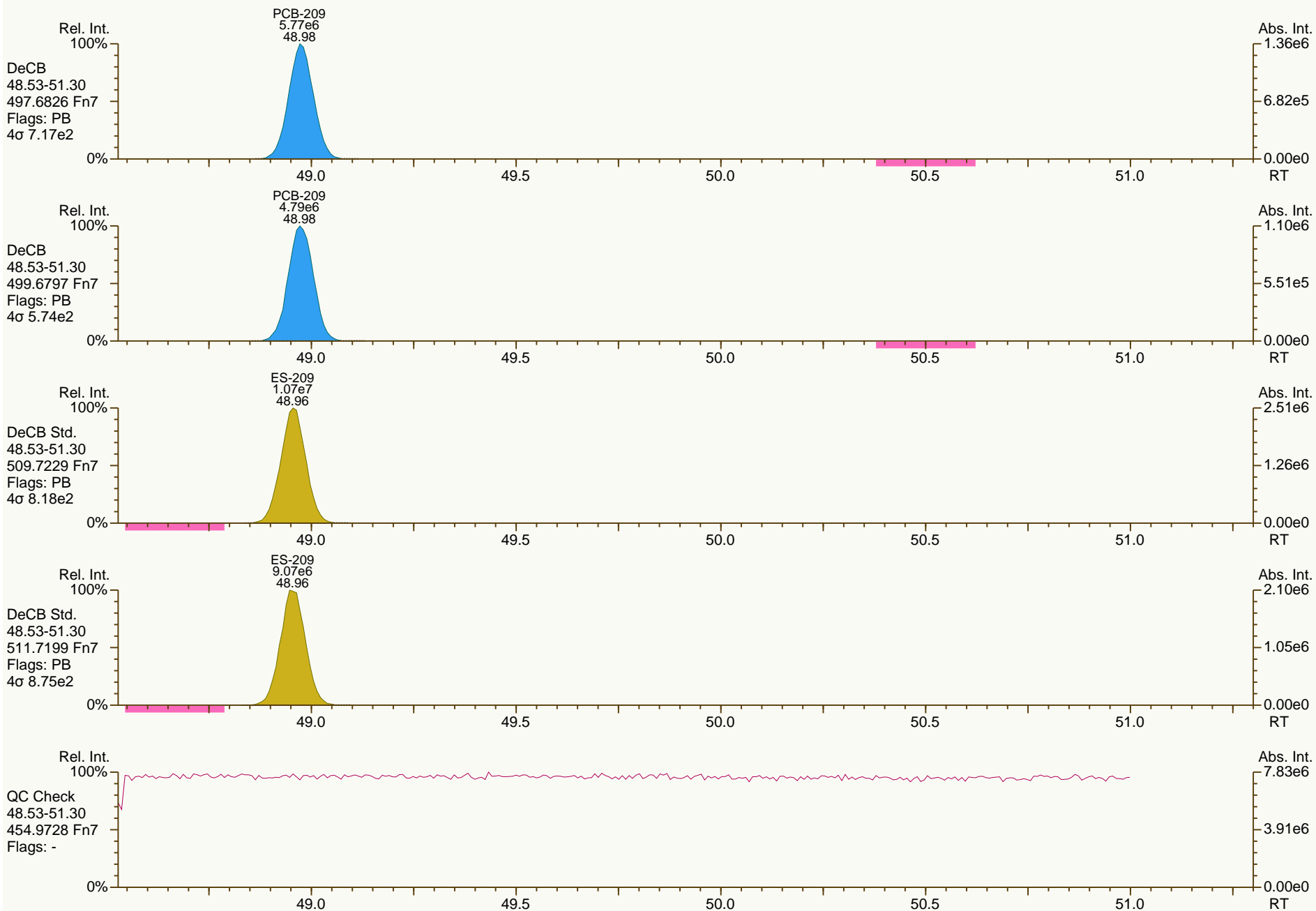
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 User: CEM Datafile: 120125V11



AP Lab ID: CS3_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 23

Acq: 25-Jan-2012 22:18:13
 User: CEM Datafile: 120125V11



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12						
Acquired:	25-JAN-2012 23:12							
Datafile:	120125V12							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	31.14	2.25E+08	0.78 Y	1.11	1.16	4.8%		
PCB-81 344'5'-TeCB	30.66	2.26E+08	0.78 Y	1.13	1.17	3.6%		
PCB-105 233'44'-PeCB	34.09	1.35E+08	0.63 Y	1.05	1.11	5.5%		
PCB-114 2344'5'-PeCB	33.55	1.58E+08	0.64 Y	1.15	1.17	1.2%		
PCB-118 23'44'5'-PeCB	33.10	1.44E+08	0.63 Y	1.04	1.08	3.5%		
PCB-123 2'344'5'-PeCB	32.82	1.42E+08	0.63 Y	1.01	0.99	-1.7%		
PCB-126 33'44'5'-PeCB	36.68	1.68E+08	0.62 Y	1.06	1.07	1.7%		
PCB-156/157 233'44'5'/233'44'5'	39.21	2.84E+08	1.27 Y	1.16	1.21	3.9%		
PCB-167 23'44'55'-HxCB	38.25	1.51E+08	1.26 Y	1.24	1.29	4.0%		
PCB-169 33'44'55'-HxCB	41.92	1.39E+08	1.28 Y	1.19	1.21	2.3%		
PCB-189 233'44'55'-HpCB	44.03	1.64E+08	1.04 Y	1.05	1.07	1.7%		
PCB-209 DeCB	48.97	9.79E+07	1.19 Y	1.09	1.11	1.9%		
ES PCB-1	10.91	7.67E+07	3.37 Y	1.02	1.03	0.3%		
ES PCB-3	13.03	7.76E+07	3.38 Y	1.02	1.04	1.4%		
ES PCB-4	13.26	5.06E+07	1.52 Y	0.68	0.68	-1.1%		
ES PCB-15	18.71	8.50E+07	1.56 Y	1.06	1.14	7.1%		
ES PCB-19	16.18	3.72E+07	1.04 Y	0.49	0.50	0.5%		
ES PCB-37	24.88	6.34E+07	1.12 Y	1.51	1.58	4.5%		
ES PCB-54	18.97	5.35E+07	0.78 Y	1.37	1.33	-2.9%		
ES PCB-77	31.12	4.84E+07	0.79 Y	1.17	1.21	3.0%		
ES PCB-81	30.65	4.82E+07	0.79 Y	1.13	1.20	6.0%		
ES PCB-104	23.82	5.34E+07	1.53 Y	1.90	1.71	-10.4%		
ES PCB-105	34.07	3.04E+07	1.61 Y	1.15	0.97	-15.4%		
ES PCB-114	33.53	3.38E+07	1.56 Y	1.22	1.08	-11.2%		
ES PCB-118	33.08	3.35E+07	1.59 Y	1.24	1.07	-14.0%		
ES PCB-123	32.80	3.57E+07	1.54 Y	1.29	1.14	-11.4%		
ES PCB-126	36.67	3.91E+07	1.57 Y	1.40	1.25	-10.6%		
ES PCB-153	34.65	3.43E+07	1.26 Y	1.09	1.07	-2.1%		
ES PCB-155	28.70	4.96E+07	1.27 Y	1.45	1.55	7.0%		
ES PCB-156/157	39.19	5.89E+07	1.30 Y	0.94	0.92	-2.5%		
ES PCB-167	38.23	2.92E+07	1.28 Y	0.93	0.91	-1.7%		
ES PCB-169	41.90	2.86E+07	1.30 Y	0.88	0.89	1.8%		
ES PCB-170	41.40	2.56E+07	1.03 Y	1.40	1.36	-2.9%		
ES PCB-180	40.35	3.18E+07	1.01 Y	1.74	1.69	-2.9%		
ES PCB-188	33.52	4.89E+07	1.04 Y	1.52	1.53	0.6%		
ES PCB-189	44.01	3.82E+07	1.03 Y	2.05	2.03	-0.8%		
ES PCB-202	38.03	3.66E+07	0.88 Y	1.21	1.14	-5.4%		
ES PCB-205	46.15	2.44E+07	0.93 Y	1.28	1.29	0.9%		
ES PCB-206	47.61	2.14E+07	0.78 Y	1.12	1.14	1.4%		
ES PCB-208	43.61	2.74E+07	0.79 Y	1.46	1.46	-0.3%		
ES PCB-209	48.95	2.21E+07	1.17 Y	1.16	1.17	1.1%		

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:17		
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	6.66E+07	1.10 Y	1.09	1.05	-3.6%	
SS PCB-111	31.15	3.40E+07	1.54 Y	0.93	0.95	1.9%	
SS PCB-178	36.08	3.01E+07	1.03 Y	0.63	0.62	-1.5%	
CS PCB-28	21.40	6.66E+07	1.10 Y	1.64	1.66	1.0%	
CS PCB-111	31.15	3.40E+07	1.54 Y	1.20	1.09	-9.7%	
CS PCB-178	36.08	3.01E+07	1.03 Y	0.95	0.94	-0.9%	
JS PCB-9	15.13	7.48E+07	1.57 Y	-	-	-	
JS PCB-52	22.98	4.02E+07	0.77 Y	-	-	-	
JS PCB-101	28.87	3.13E+07	1.54 Y	-	-	-	
JS PCB-138	35.70	3.20E+07	1.32 Y	-	-	-	
JS PCB-194	45.76	1.88E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.92	3.13E+08	3.08 Y	1.00	1.02	2.3%	
PCB-3 4-MoCB	13.04	3.05E+08	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.74E+08	1.52 Y	0.82	0.86	4.2%	
PCB-15 44'-DiCB	18.72	3.26E+08	1.54 Y	0.95	0.96	0.6%	
PCB-19 22'6'-TrCB	16.19	1.41E+08	1.04 Y	0.92	0.95	3.0%	
PCB-37 344'-TrCB	24.89	2.75E+08	1.03 Y	1.07	1.08	0.9%	
PCB-54 22'66'-TeCB	18.99	2.32E+08	0.79 Y	1.04	1.08	4.0%	
PCB-104 22'466'-PeCB	23.84	2.33E+08	0.62 Y	1.02	1.09	7.0%	
PCB-153 22'44'55' -HxCB	34.69	3.24E+08	1.23 Y	1.12	1.18	5.7%	
PCB-155 22'44'66'-HxCB	28.72	2.09E+08	1.23 Y	1.04	1.06	1.9%	
PCB-170 22'33'44'5'-HpCB	41.42	1.00E+08	1.04 Y	0.99	0.98	-0.8%	
PCB-180 22'344'55'-HpCB	40.34	2.52E+08	1.04 Y	0.97	0.99	2.5%	
PCB-188 22'34'566'-HpCB	33.54	1.92E+08	1.02 Y	0.94	0.98	4.2%	
PCB-202 22'33'55'66'-OcCB	38.05	1.33E+08	0.90 Y	0.86	0.91	5.6%	
PCB-205 233'44'55'6'-OcCB	46.17	1.20E+08	0.93 Y	1.20	1.23	2.8%	
PCB-208 22'33'455'66'-NoCB	43.63	1.13E+08	0.77 Y	1.01	1.03	2.5%	
PCB-206 22'33'44'55'6'-NoCB	47.63	8.24E+07	0.77 Y	0.95	0.96	0.8%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.92	3.13E+08	3.08 Y	1.00	1.02	2.3%	
PCB-2 3-MoCB	12.87	3.06E+08	3.10 Y	0.95	0.99	4.0%	
PCB-3 4-MoCB	13.04	3.05E+08	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.74E+08	1.52 Y	0.82	0.86	4.2%	
PCB-10 26-DiCB	13.45	2.76E+08	1.52 Y	1.33	1.36	2.8%	
PCB-9 25-DiCB	15.15	2.82E+08	1.56 Y	0.84	0.83	-1.5%	
PCB-7 24-DiCB	15.31	3.17E+08	1.56 Y	0.95	0.93	-2.0%	
PCB-6 23'-DiCB	15.52	2.96E+08	1.56 Y	0.91	0.87	-4.4%	
PCB-5 23-DiCB	15.81	3.00E+08	1.55 Y	0.90	0.88	-1.5%	
PCB-8 24'-DiCB	15.92	3.05E+08	1.56 Y	0.93	0.90	-3.5%	
PCB-14 35-DiCB	17.41	3.55E+08	1.56 Y	1.04	1.04	0.4%	
PCB-11 33'-DiCB	18.17	3.03E+08	1.56 Y	0.89	0.89	0.0%	
PCB-13/12 34'-/34-DiCB	18.45	6.29E+08	1.56 Y	0.88	0.92	4.9%	
PCB-15 44'-DiCB	18.72	3.26E+08	1.54 Y	0.95	0.96	0.6%	
PCB-19 22'6-TrCB	16.19	1.41E+08	1.04 Y	0.92	0.95	3.0%	
PCB-30/18 246-/22'5-TrCB	17.88	3.90E+08	1.04 Y	1.19	1.31	9.9%	
PCB-17 22'4-TrCB	18.27	1.61E+08	1.04 Y	1.03	1.08	5.0%	
PCB-27 23'6-TrCB	18.46	2.32E+08	1.04 Y	1.39	1.56	11.8%	
PCB-24 236-TrCB	18.58	2.11E+08	1.04 Y	1.34	1.42	6.1%	
PCB-16 22'3-TrCB	18.67	1.24E+08	1.05 Y	0.77	0.83	8.0%	
PCB-32 24'6-TrCB	19.14	2.29E+08	1.04 Y	1.45	1.54	6.5%	
PCB-34 2'35-TrCB	20.27	2.87E+08	1.03 Y	1.16	1.13	-2.1%	
PCB-23 235-TrCB	20.41	2.88E+08	1.02 Y	1.18	1.14	-3.7%	
PCB-26/29 23'5-/245-TrCB	20.69	6.00E+08	1.03 Y	1.20	1.18	-1.1%	
PCB-25 23'4-TrCB	20.88	3.08E+08	1.03 Y	1.22	1.22	-0.4%	
PCB-31 24'5-TrCB	21.15	3.06E+08	1.03 Y	1.21	1.21	-0.6%	
PCB-28/20 244'-/233'-TrCB	21.42	5.96E+08	1.03 Y	1.18	1.18	-0.4%	
PCB-21/33 234-/2'34-TrCB	21.59	6.24E+08	1.02 Y	1.21	1.23	1.9%	
PCB-22 234'-TrCB	21.96	2.73E+08	1.03 Y	1.10	1.08	-2.4%	
PCB-36 33'5-TrCB	23.33	3.00E+08	1.03 Y	1.17	1.18	0.9%	
PCB-39 34'5-TrCB	23.64	3.13E+08	1.02 Y	1.24	1.23	-0.3%	
PCB-38 345-TrCB	24.15	2.95E+08	1.03 Y	1.07	1.16	8.5%	
PCB-35 33'4-TrCB	24.54	2.63E+08	1.03 Y	1.03	1.04	0.4%	
PCB-37 344'-TrCB	24.89	2.75E+08	1.03 Y	1.07	1.08	0.9%	
PCB-54 22'66'-TeCB	18.99	2.32E+08	0.79 Y	1.04	1.08	4.0%	
PCB-50/53 22'46-/22'56'TeCB	20.92	3.10E+08	0.76 Y	0.80	0.80	0.2%	
PCB-45 22'36'-TeCB	21.49	1.37E+08	0.75 Y	0.73	0.71	-2.6%	
PCB-51 22'46'-TeCB	21.56	1.55E+08	0.77 Y	0.76	0.81	6.6%	
PCB-46 22'36'-TeCB	21.76	1.20E+08	0.76 Y	0.65	0.62	-4.3%	
PCB-52 22'55'-TeCB	23.01	1.44E+08	0.76 Y	0.77	0.75	-3.0%	
PCB-73 23'5'6TeCB	23.13	1.86E+08	0.76 Y	1.00	0.97	-3.6%	
PCB-43 22'35'-TeCB	23.22	1.24E+08	0.77 Y	0.65	0.64	-1.0%	
PCB-69/49 23'46-/22'45'TeCB	23.41	3.58E+08	0.76 Y	0.92	0.93	1.3%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.68	1.46E+08	0.76 Y	0.76	0.76	0.4%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.84E+08	0.76 Y	0.81	0.84	3.7%	
PCB-59/62/75 233'6'-/2346-/24	24.17	6.39E+08	0.76 Y	1.03	1.10	6.9%	
PCB-42 22'34'-TeCB	24.33	1.30E+08	0.76 Y	0.69	0.67	-2.6%	
PCB-41 22'34'-TeCB	24.65	1.21E+08	0.75 Y	0.61	0.63	3.2%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	3.01E+08	0.76 Y	0.77	0.78	1.4%	
PCB-64 234'6'-TeCB	24.94	2.14E+08	0.76 Y	1.08	1.11	2.1%	
PCB-72 23'55'-TeCB	25.66	2.43E+08	0.78 Y	1.24	1.26	1.3%	
PCB-68 23'45'-TeCB	25.92	2.74E+08	0.78 Y	1.36	1.42	4.0%	
PCB-57 233'5'-TeCB	26.28	2.36E+08	0.78 Y	1.23	1.23	-0.8%	
PCB-58 233'5'-TeCB	26.47	2.44E+08	0.79 Y	1.23	1.27	3.0%	
PCB-67 23'45'-TeCB	26.63	2.65E+08	0.77 Y	1.27	1.38	8.5%	
PCB-63 234'5'-TeCB	26.85	2.68E+08	0.78 Y	1.36	1.39	2.2%	
PCB-61/70/74/76 2345-/23'4'5	27.13	1.01E+09	0.78 Y	1.22	1.31	7.6%	
PCB-66 23'44'-TeCB	27.41	2.33E+08	0.78 Y	1.17	1.21	3.5%	
PCB-55 233'4'-TeCB	27.55	2.28E+08	0.78 Y	1.15	1.18	2.5%	
PCB-56 233'4'-TeCB	27.98	2.19E+08	0.78 Y	1.11	1.13	2.1%	
PCB-60 2344'-TeCB	28.17	2.27E+08	0.78 Y	1.13	1.18	4.0%	
PCB-80 33'55'-TeCB	28.52	2.61E+08	0.79 Y	1.31	1.35	3.7%	
PCB-79 33'45'-TeCB	29.82	2.85E+08	0.78 Y	1.33	1.48	11.3%	
PCB-78 33'45'-TeCB	30.29	2.08E+08	0.78 Y	1.06	1.08	1.4%	
PCB-104 22'466'-PeCB	23.84	2.33E+08	0.62 Y	1.02	1.09	7.0%	
PCB-96 22'366'-PeCB	24.15	2.13E+08	0.63 Y	0.86	1.00	16.4%	
PCB-103 22'45'6'-PeCB	25.82	1.26E+08	0.63 Y	0.82	0.88	7.7%	
PCB-94 22'356'-PeCB	26.01	1.09E+08	0.64 Y	0.73	0.77	4.3%	
PCB-95 22'35'6'-PeCB	26.38	1.19E+08	0.63 Y	0.76	0.83	8.9%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.47E+08	0.63 Y	0.77	0.86	12.8%	
PCB-102 22'456'-PeCB	26.70	1.42E+08	0.63 Y	0.85	0.99	16.1%	
PCB-98 22'3'46'-PeCB	26.77	9.77E+07	0.65 Y	0.72	0.68	-4.8%	
PCB-88 22'346'-PeCB	27.06	1.23E+08	0.63 Y	0.73	0.86	18.2%	
PCB-91 22'34'6'-PeCB	27.13	1.29E+08	0.64 Y	0.82	0.90	9.6%	
PCB-84 22'33'6'-PeCB	27.31	9.80E+07	0.64 Y	0.63	0.69	8.0%	
PCB-89 22'346'-PeCB	27.72	1.03E+08	0.64 Y	0.66	0.72	8.8%	
PCB-121 23'45'6'-PeCB	28.08	1.57E+08	0.63 Y	1.00	1.10	9.7%	
PCB-92 22'355'-PeCB	28.39	1.09E+08	0.63 Y	0.69	0.76	10.3%	
PCB-113/90/101 233'5'6-/22'3	28.87	4.10E+08	0.63 Y	0.83	0.96	14.5%	
PCB-83 22'33'5'-PeCB	29.30	9.71E+07	0.63 Y	0.61	0.68	10.7%	
PCB-99 22'44'5'-PeCB	29.39	1.16E+08	0.64 Y	0.79	0.81	2.7%	
PCB-112 233'56'-PeCB	29.49	1.52E+08	0.64 Y	0.98	1.07	9.0%	
PCB-108/119/86/97/125/87 233	29.83	8.45E+08	0.64 Y	0.86	0.99	14.7%	
PCB-117 234'56'-PeCB	30.36	1.39E+08	0.63 Y	0.85	0.97	13.9%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.62E+08	0.64 Y	0.86	0.92	6.4%	
PCB-110 233'4'6'-PeCB	30.57	1.38E+08	0.63 Y	0.91	0.97	6.5%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:17			
Lab ID:	CS4_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.54E+08	0.64 Y	1.02	1.07	5.9%	
PCB-82 22'33'4-PeCB	30.84	9.35E+07	0.64 Y	0.61	0.65	7.2%	
PCB-111 233'55'-PeCB	31.17	1.56E+08	0.64 Y	1.02	1.09	6.8%	
PCB-120 23'455'-PeCB	31.56	1.55E+08	0.63 Y	1.01	1.08	7.5%	
PCB-107/124 233'4'5-/2'3455'	32.51	2.75E+08	0.63 Y	0.92	0.96	4.4%	
PCB-109 233'46-PeCB	32.72	1.53E+08	0.63 Y	1.01	1.07	6.1%	
PCB-106 233'45-PeCB	32.92	1.42E+08	0.64 Y	0.93	0.99	5.9%	
PCB-122 2'33'45-PeCB	33.38	1.23E+08	0.64 Y	0.91	0.91	-0.2%	
PCB-127 33'455'-PeCB	35.33	1.36E+08	0.64 Y	1.01	1.12	10.9%	
PCB-155 22'44'66'-HxCB	28.72	2.09E+08	1.23 Y	1.04	1.06	1.9%	
PCB-152 22'3566'-HxCB	28.87	2.16E+08	1.22 Y	0.99	1.09	10.1%	
PCB-150 22'34'66'-HxCB	29.01	1.94E+08	1.23 Y	0.97	0.98	1.0%	
PCB-136 22'33'66'-HxCB	29.31	1.88E+08	1.24 Y	0.91	0.95	4.3%	
PCB-145 22'3466'HxCB	29.58	1.82E+08	1.22 Y	0.93	0.92	-1.3%	
PCB-148 22'34'56'-HxCB	30.85	1.41E+08	1.23 Y	0.94	1.03	8.9%	
PCB-151/135 22'355'6-/22'33'	31.36	2.64E+08	1.23 Y	0.91	0.96	6.4%	
PCB-154 22'44'5'6'-HxCB	31.57	1.52E+08	1.22 Y	1.05	1.11	5.5%	
PCB-144 22'345'6'-HxCB	31.83	1.30E+08	1.23 Y	0.92	0.95	3.3%	
PCB-147/149 22'34'56-/22'34'	32.13	2.69E+08	1.23 Y	0.94	0.98	4.8%	
PCB-134 22'33'56'-HxCB	32.29	9.72E+07	1.21 Y	0.72	0.71	-1.3%	
PCB-143 22'3456'-HxCB	32.37	1.32E+08	1.23 Y	0.88	0.96	9.1%	
PCB-139/140 22'344'6-/22'344'	32.64	2.72E+08	1.23 Y	0.93	0.99	6.3%	
PCB-131 22'33'46'-HxCB	32.81	1.17E+08	1.24 Y	0.82	0.86	4.1%	
PCB-142 22'3456'-HxCB	32.95	1.16E+08	1.23 Y	0.84	0.85	1.3%	
PCB-132 22'33'46'-HxCB	33.18	1.15E+08	1.22 Y	0.84	0.84	-0.6%	
PCB-133 22'33'55'-HxCB	33.60	1.24E+08	1.23 Y	0.86	0.91	5.8%	
PCB-165 233'55'6'-HxCB	33.94	1.46E+08	1.24 Y	1.04	1.07	2.4%	
PCB-146 22'34'55'-HxCB	34.15	1.28E+08	1.23 Y	0.92	0.94	1.8%	
PCB-161 233'45'6'-HxCB	34.27	1.74E+08	1.23 Y	1.20	1.27	5.2%	
PCB-153/168 22'44'55'-/23'44'	34.69	3.24E+08	1.23 Y	1.12	1.18	5.7%	
PCB-141 22'3455'-HxCB	34.83	1.20E+08	1.22 Y	0.87	0.88	1.4%	
PCB-130 22'33'45'-HxCB	35.17	1.09E+08	1.22 Y	0.78	0.80	2.2%	
PCB-137 22'344'5'-HxCB	35.37	1.36E+08	1.22 Y	0.96	0.99	3.3%	
PCB-164 233'4'5'6'-HxCB	35.45	1.67E+08	1.23 Y	1.14	1.22	6.4%	
PCB-163/138/129 233'4'56-/22'	35.74	4.25E+08	1.22 Y	0.95	1.03	8.3%	
PCB-160 233'456'-HxCB	35.87	1.54E+08	1.22 Y	1.12	1.13	0.3%	
PCB-158 233'44'6'-HxCB	36.05	1.81E+08	1.24 Y	1.25	1.32	5.7%	
PCB-128/166 22'33'44'-/2344'5	36.78	2.47E+08	1.26 Y	0.98	1.05	7.1%	
PCB-159 233'455'-HxCB	37.60	1.42E+08	1.27 Y	1.14	1.22	6.5%	
PCB-162 233'4'55'-HxCB	37.85	1.42E+08	1.27 Y	1.13	1.21	6.7%	
PCB-188 22'34'566'-HpCB	33.54	1.92E+08	1.02 Y	0.94	0.98	4.2%	
PCB-179 22'33'566'-HpCB	33.82	1.62E+08	1.03 Y	0.81	0.83	2.0%	
PCB-184 22'344'66'-HpCB	34.28	1.70E+08	1.03 Y	0.85	0.87	1.9%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:17		
Lab ID:	CS4_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	25-JAN-2012 23:12						
Datafile:	120125V12						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	1.80E+08	1.03 Y	0.93	0.92	-1.0%	
PCB-186 22'34566'-HpCB	34.95	1.71E+08	1.04 Y	0.88	0.87	-0.4%	
PCB-178 22'33'55'6'-HpCB	36.10	1.31E+08	1.03 Y	0.66	0.67	1.2%	
PCB-175 22'33'45'6'-HpCB	36.64	1.11E+08	1.04 Y	0.81	0.87	7.1%	
PCB-187 22'34'55'6'-HpCB	36.86	1.16E+08	1.05 Y	0.89	0.91	2.1%	
PCB-182 22'344'56'-HpCB	37.04	1.17E+08	1.04 Y	0.89	0.92	4.0%	
PCB-183 22'344'5'6'-HpCB	37.38	1.20E+08	1.03 Y	0.91	0.94	3.6%	
PCB-185 22'3455'6'-HpCB	37.46	1.13E+08	1.05 Y	0.87	0.89	2.1%	
PCB-174 22'33'456'-HpCB	37.57	1.05E+08	1.04 Y	0.76	0.83	8.6%	
PCB-177 22'33'4'56'-HpCB	37.94	9.74E+07	1.04 Y	0.75	0.77	2.0%	
PCB-181 22'344'56'-HpCB	38.28	1.17E+08	1.04 Y	0.87	0.92	5.2%	
PCB-171/173 22'33'44'6'-/22'3	38.46	2.04E+08	1.05 Y	0.76	0.80	4.8%	
PCB-172 22'33'455'-HpCB	39.82	1.01E+08	1.03 Y	0.76	0.79	4.1%	
PCB-192 233'455'6'-HpCB	40.06	1.33E+08	1.04 Y	1.02	1.05	2.6%	
PCB-180/193 22'344'55'-/233'	40.34	2.52E+08	1.04 Y	0.97	0.99	2.5%	
PCB-191 233'44'5'6'-HpCB	40.66	1.37E+08	1.05 Y	1.05	1.07	1.9%	
PCB-170 22'33'44'5'-HpCB	41.42	1.00E+08	1.04 Y	0.99	0.98	-0.8%	
PCB-190 233'44'56'-HpCB	41.87	1.44E+08	1.04 Y	1.37	1.40	2.5%	
PCB-202 22'33'55'66'-OcCB	38.05	1.33E+08	0.90 Y	0.86	0.91	5.6%	
PCB-201 22'33'45'66'-OcCB	38.82	1.49E+08	0.90 Y	0.96	1.02	6.0%	
PCB-204 22'344'566'-OcCB	39.39	1.41E+08	0.90 Y	0.93	0.96	4.1%	
PCB-197 22'33'44'66'-OcCB	39.58	1.57E+08	0.90 Y	0.99	1.07	8.5%	
PCB-200 22'33'4566'-OcCB	39.67	1.34E+08	0.89 Y	0.91	0.92	0.4%	
PCB-198/199 22'33'455'6'-/22'	41.99	2.15E+08	0.89 Y	0.68	0.74	7.6%	
PCB-196 22'33'44'56'-OcCB	42.56	1.08E+08	0.90 Y	0.69	0.74	6.6%	
PCB-203 22'344'55'6'-OcCB	42.73	1.14E+08	0.90 Y	0.73	0.78	5.8%	
PCB-195 22'33'44'56'-OcCB	43.83	8.73E+07	0.93 Y	0.92	0.90	-2.3%	
PCB-194 22'33'44'55'-OcCB	45.78	9.41E+07	0.93 Y	0.96	0.96	0.7%	
PCB-205 233'44'55'6'-OcCB	46.17	1.20E+08	0.93 Y	1.20	1.23	2.8%	
PCB-208 22'33'455'66'-NoCB	43.63	1.13E+08	0.77 Y	1.01	1.03	2.5%	
PCB-207 22'33'44'566'-NoCB	44.41	1.17E+08	0.77 Y	1.06	1.07	1.2%	
PCB-206 22'33'44'55'6'-NoCB	47.63	8.24E+07	0.77 Y	0.95	0.96	0.8%	

AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

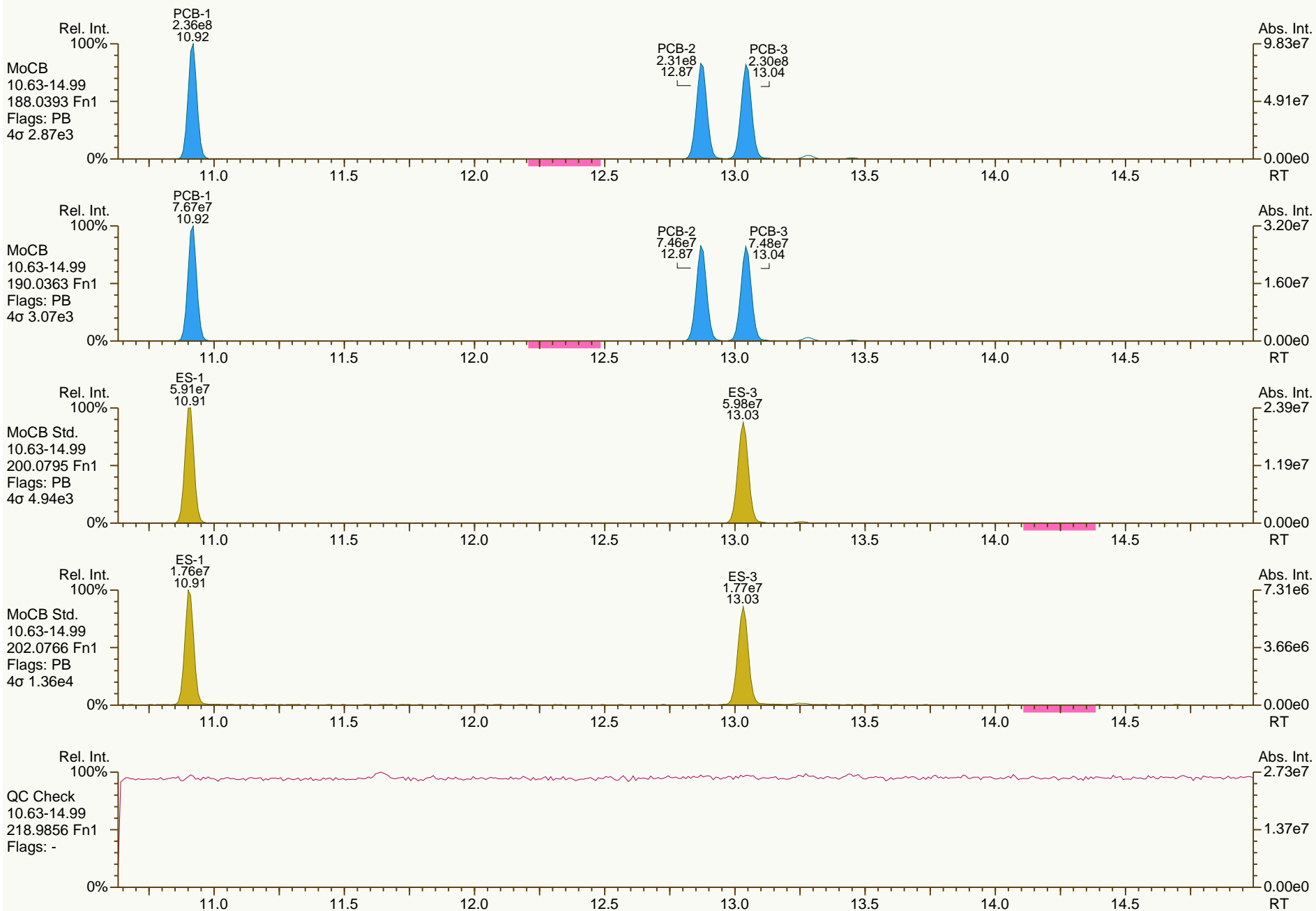
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 User: CEM Datafile: 120125V12



AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

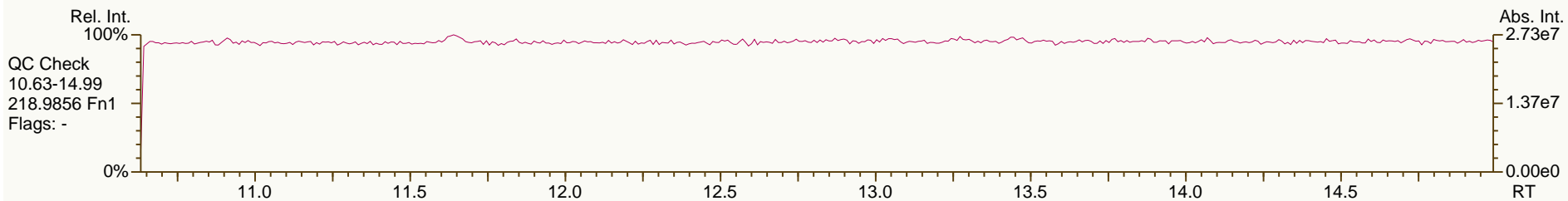
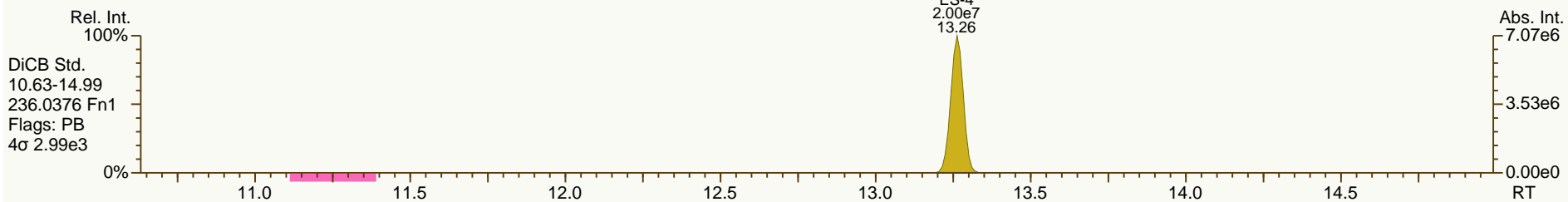
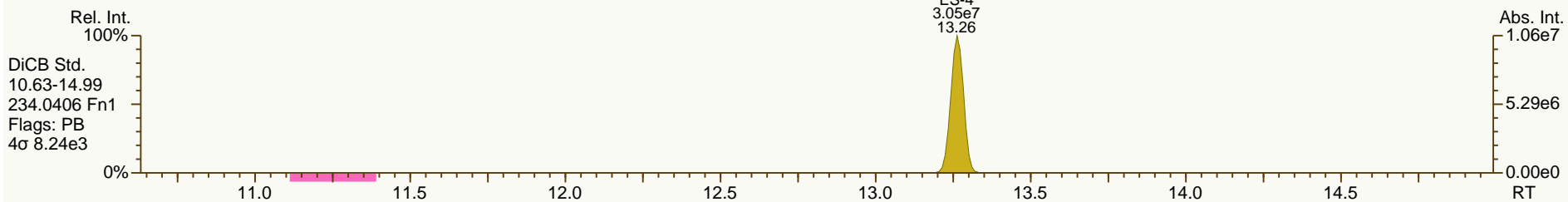
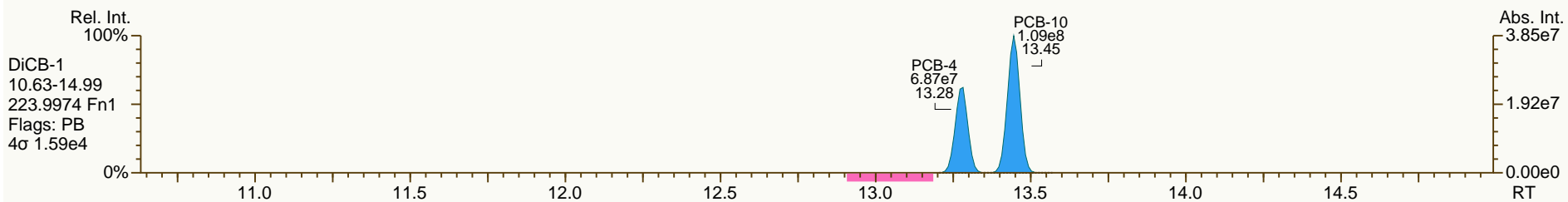
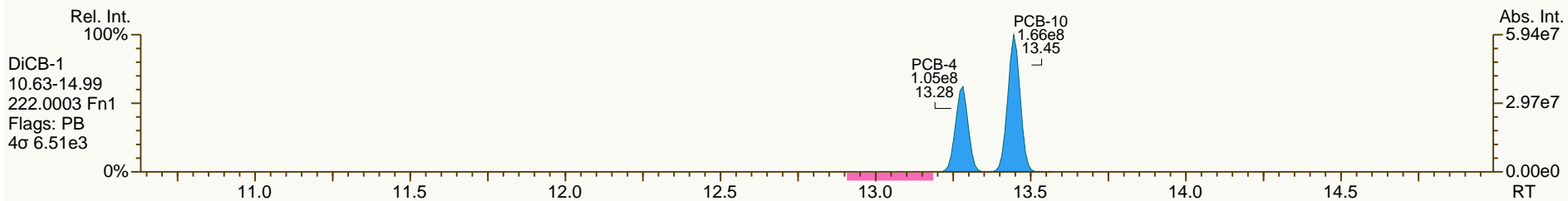
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

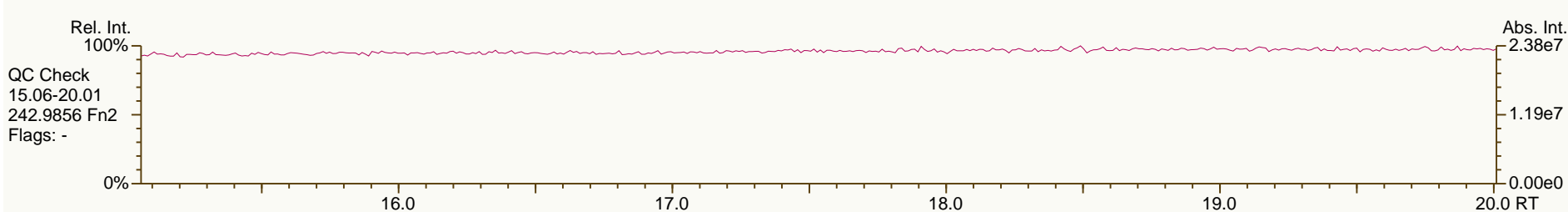
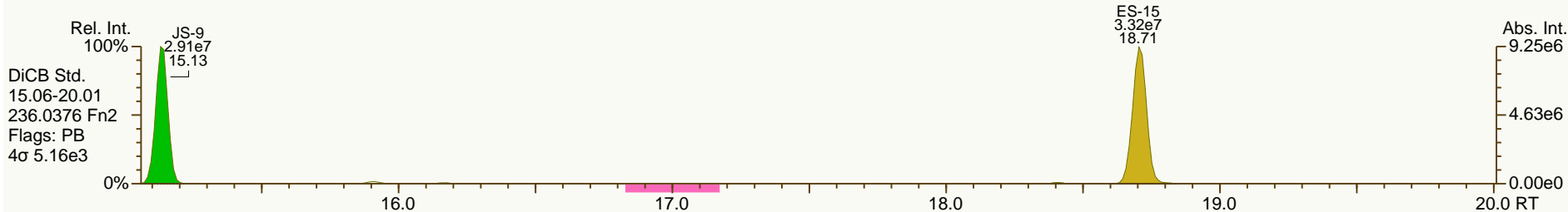
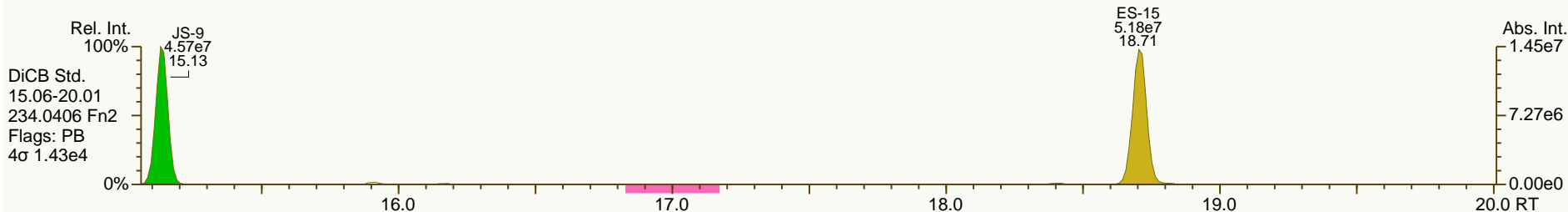
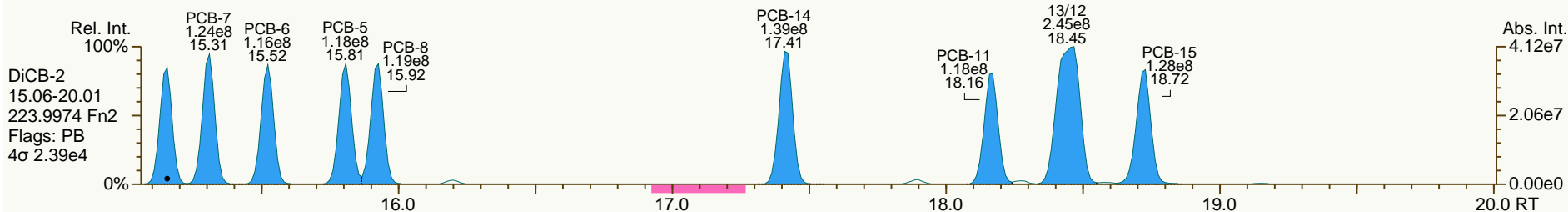
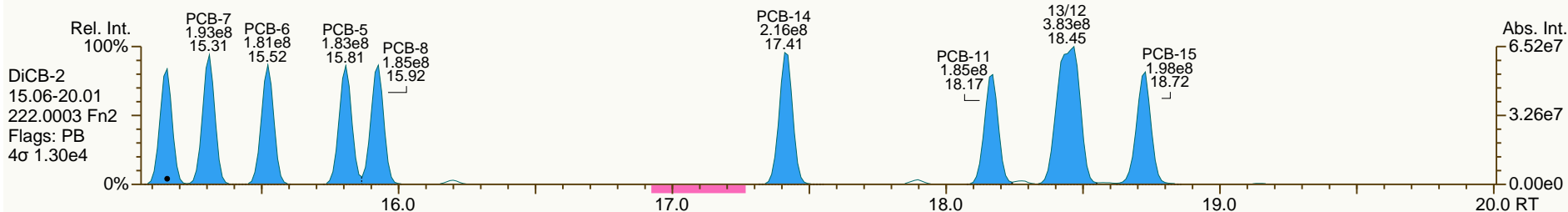
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

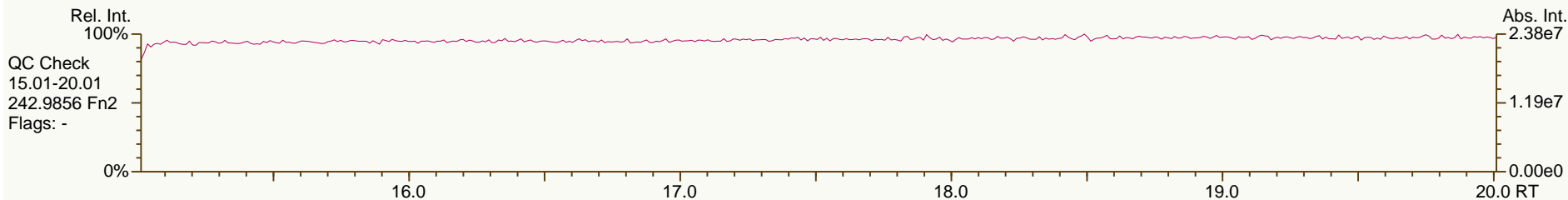
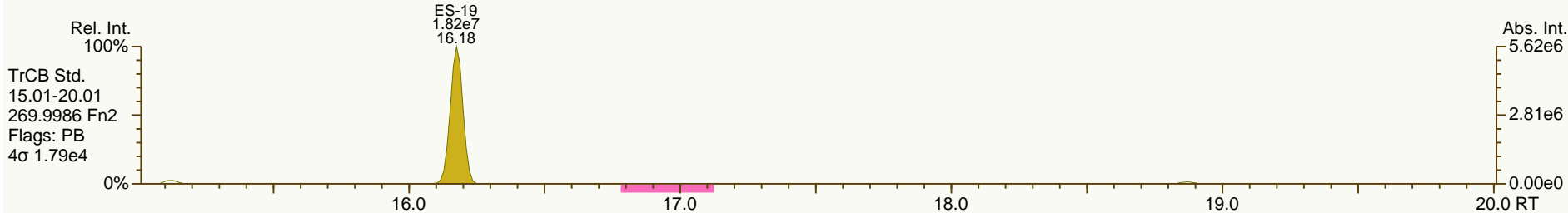
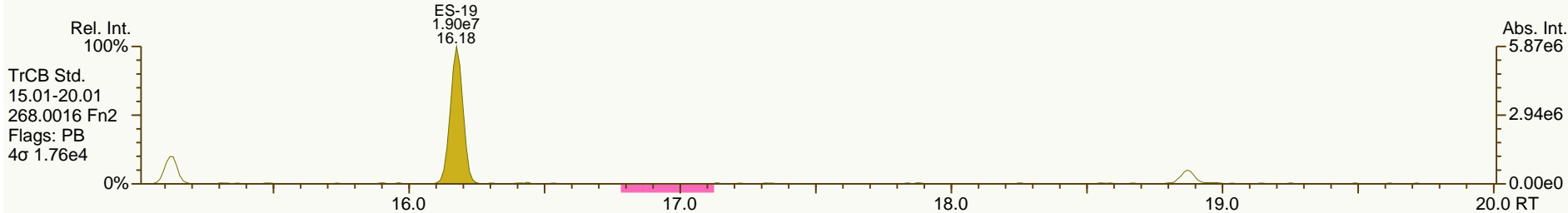
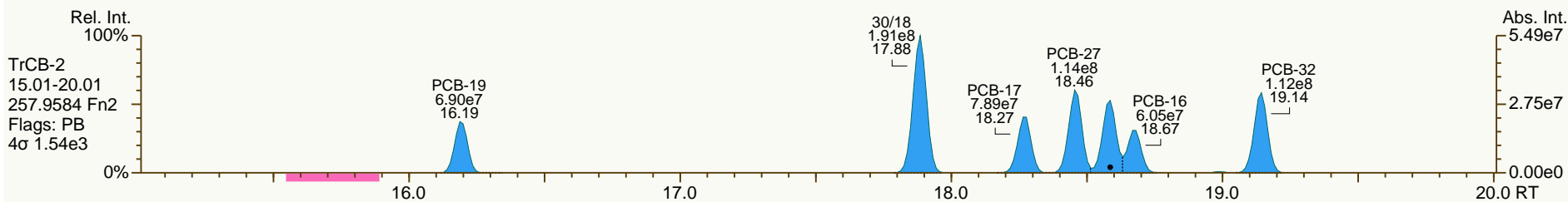
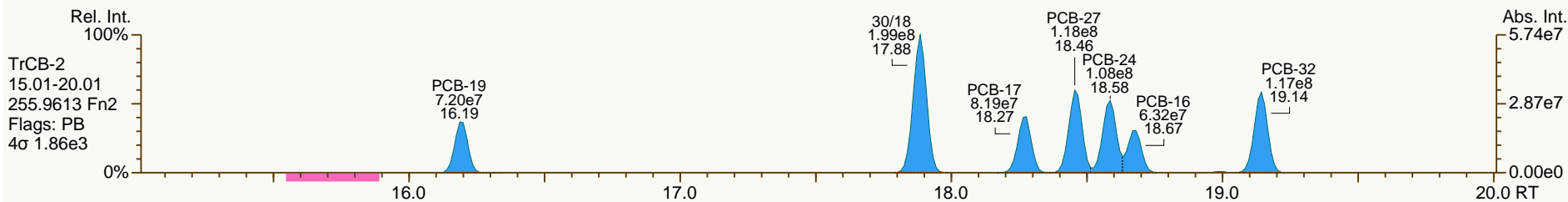
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

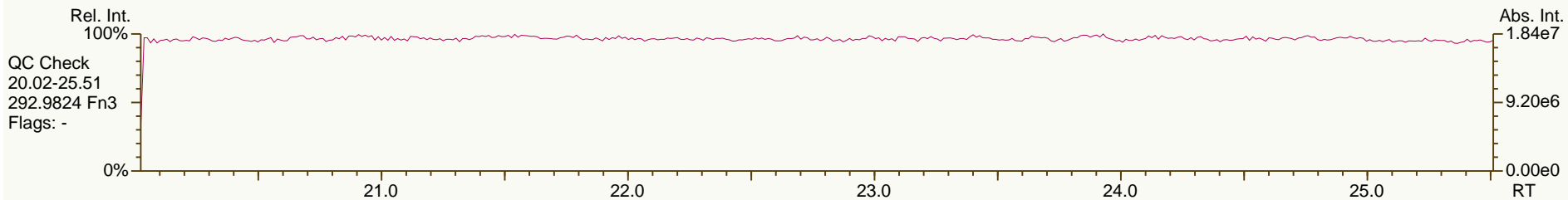
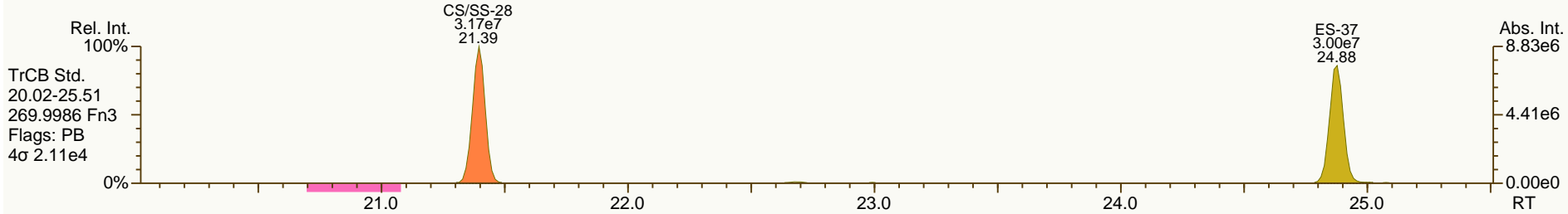
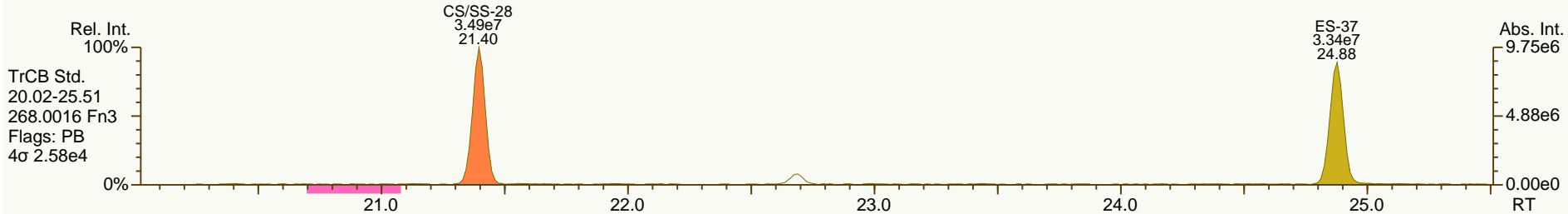
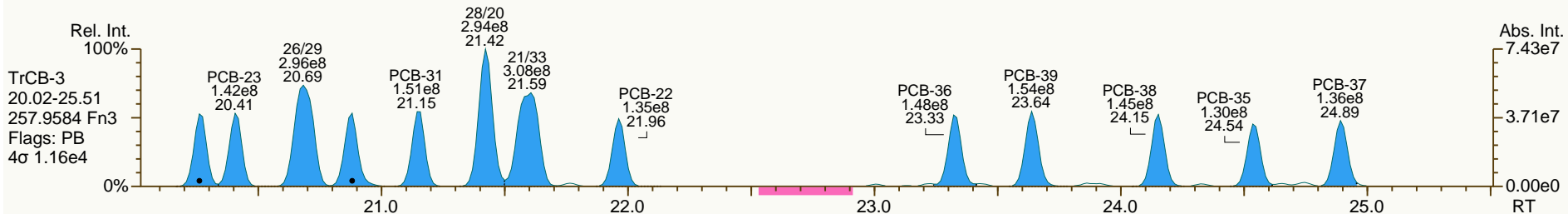
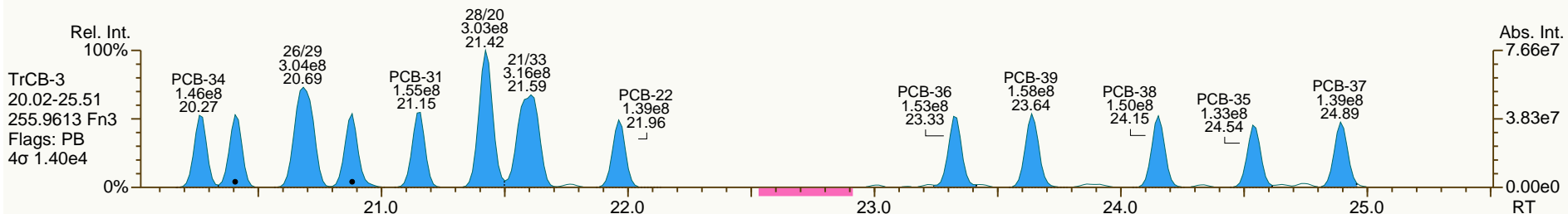
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

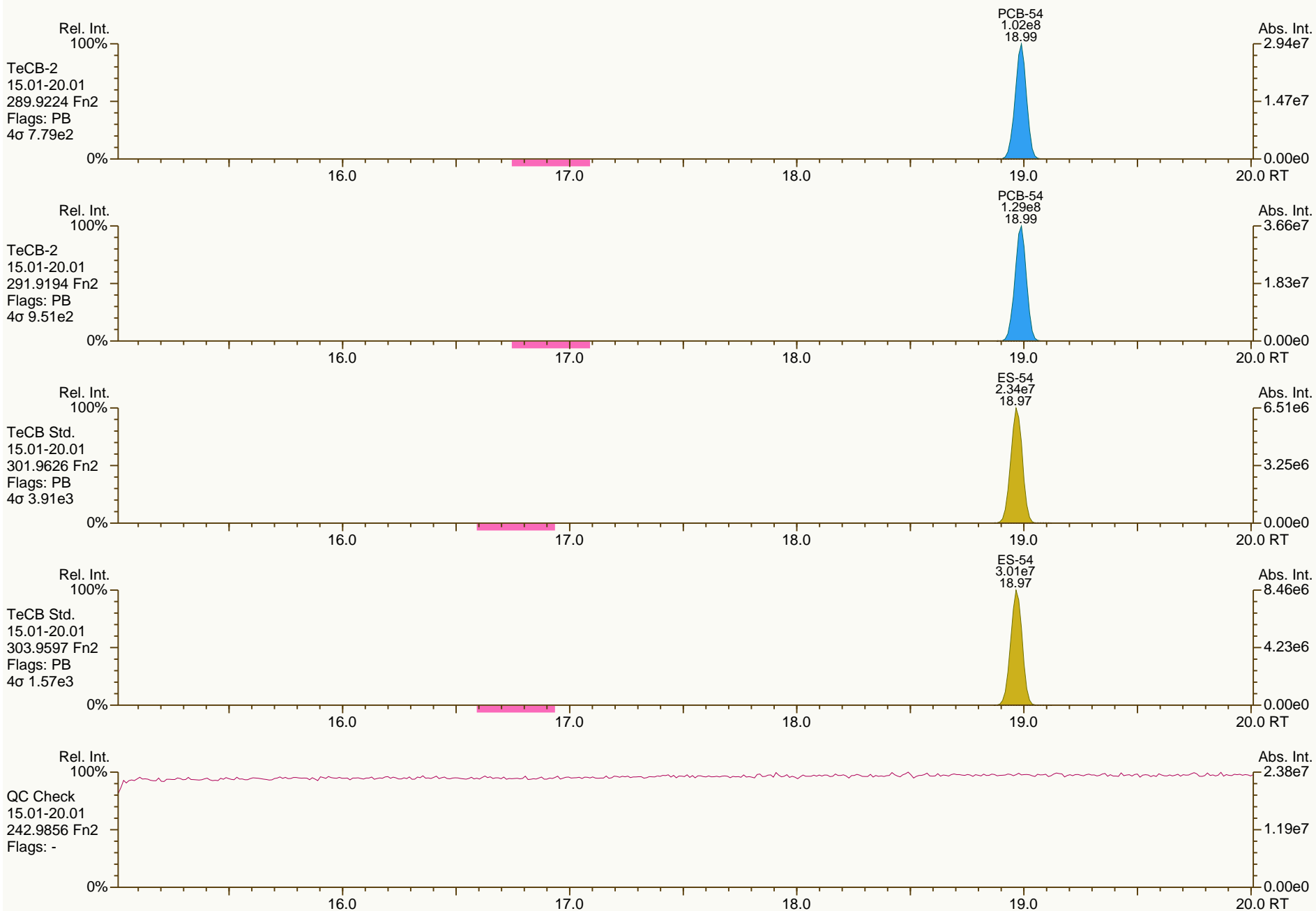
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

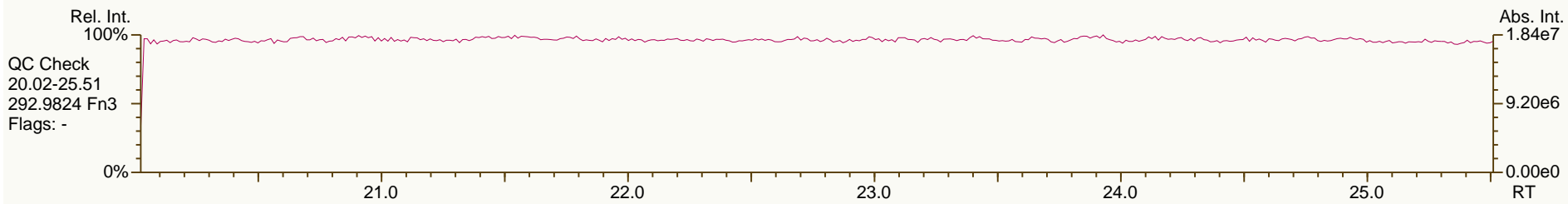
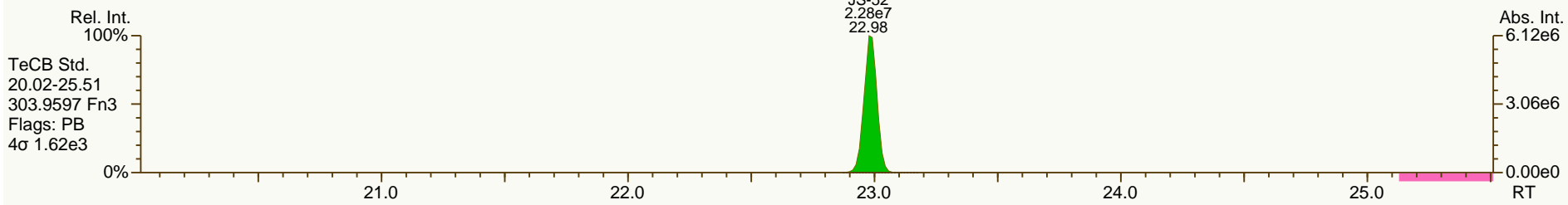
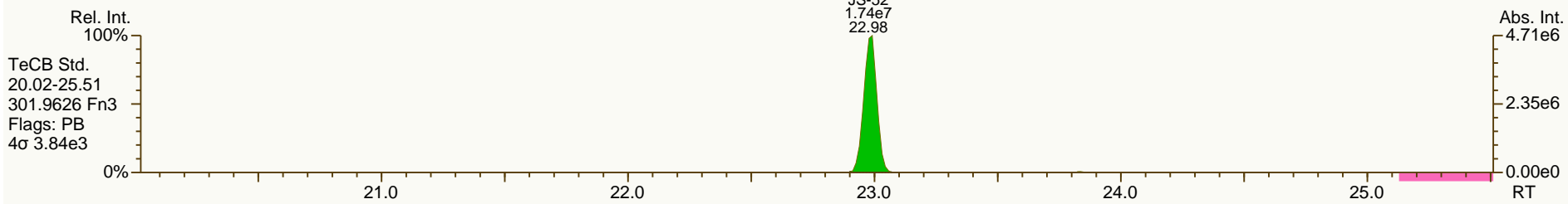
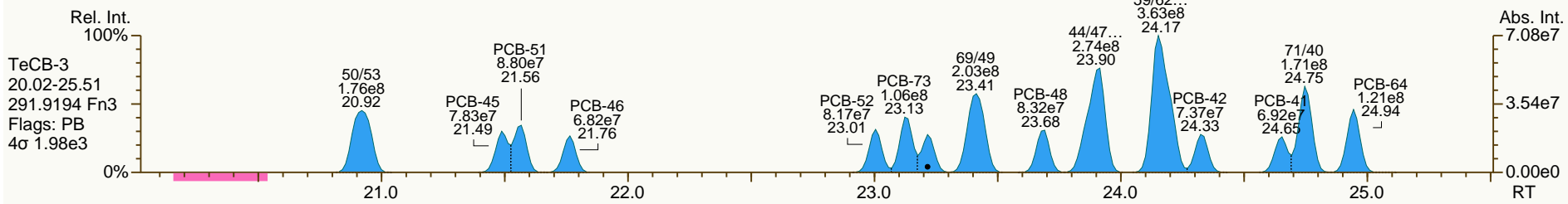
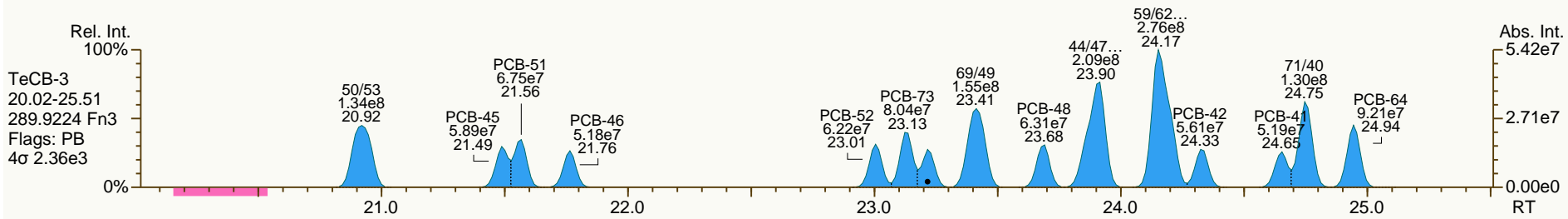
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

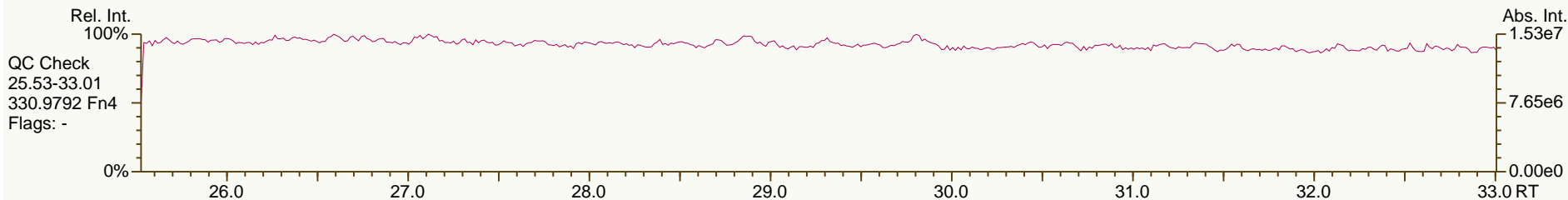
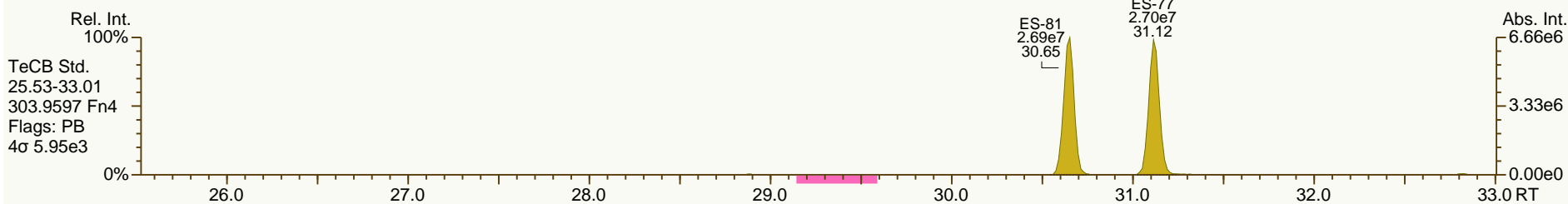
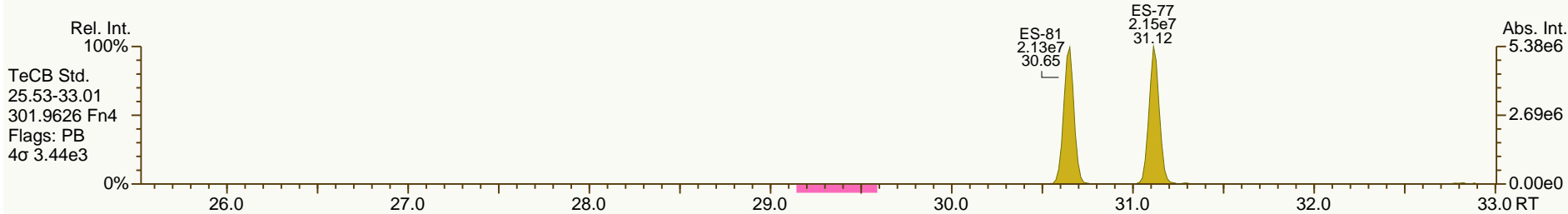
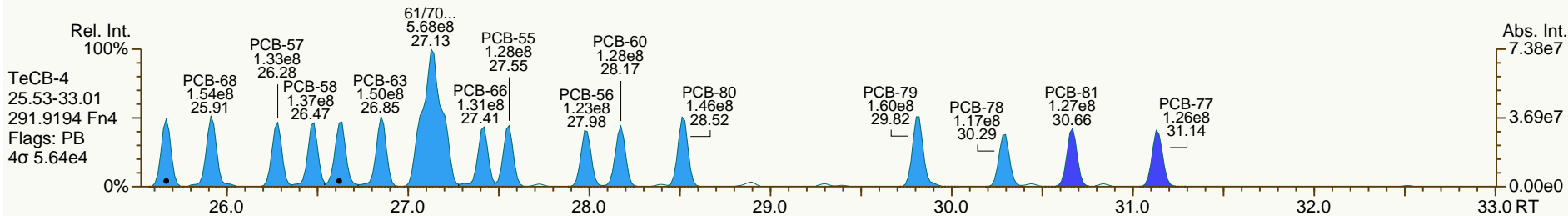
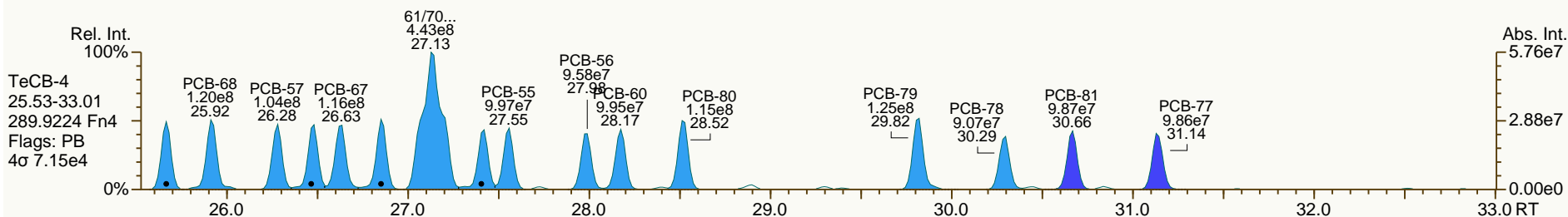
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

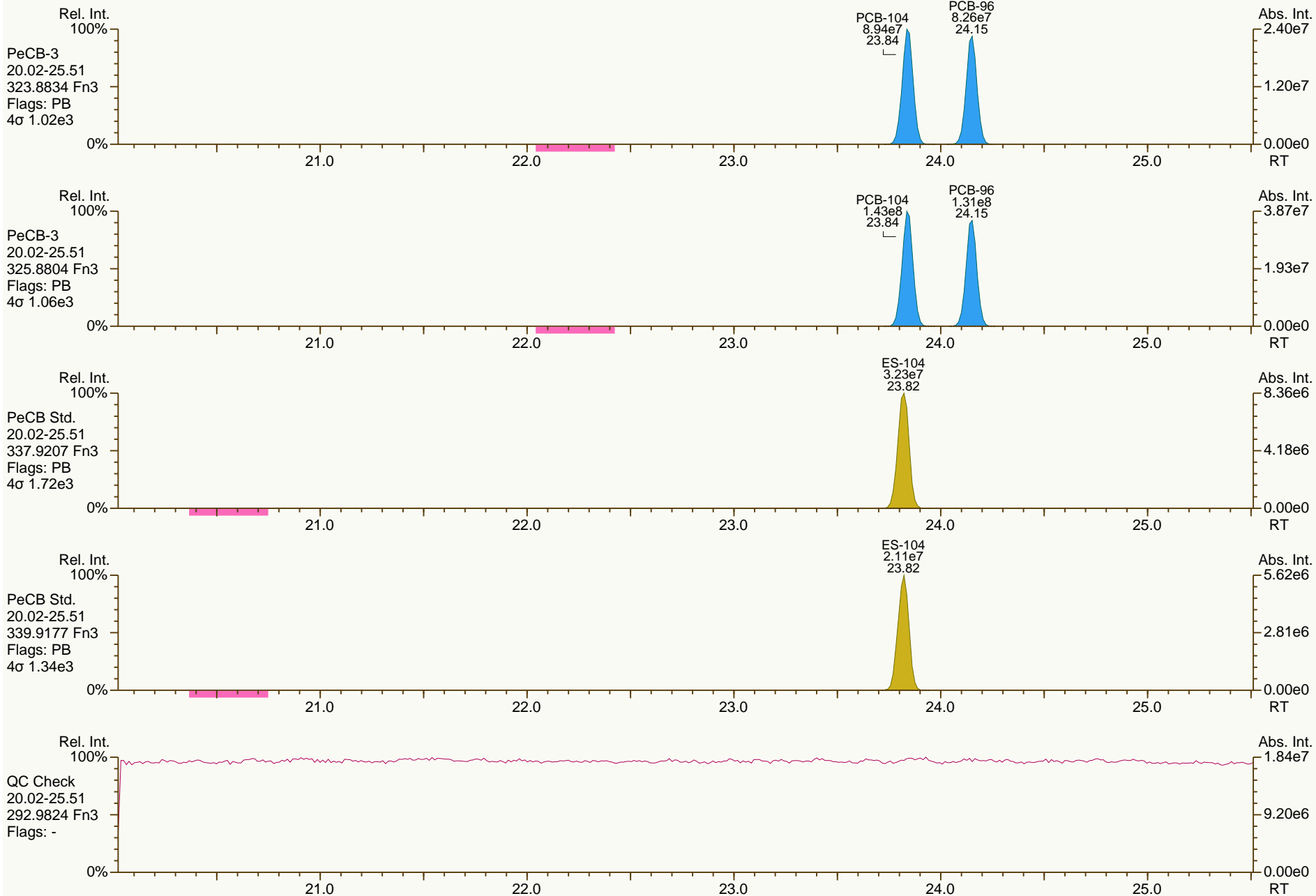
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 25-Jan-2012 23:12:48
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
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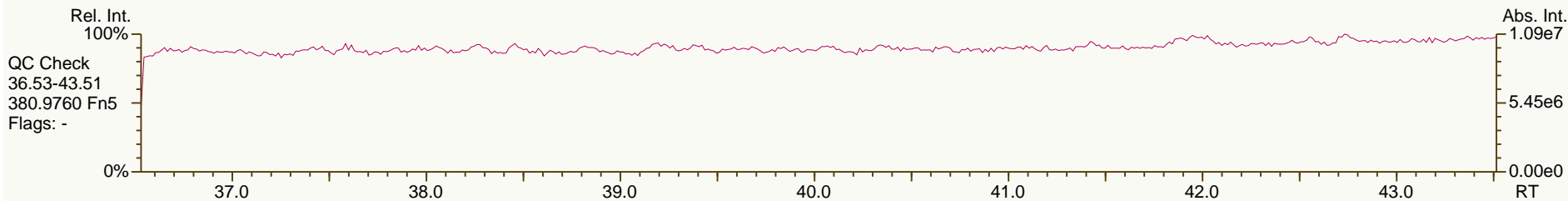
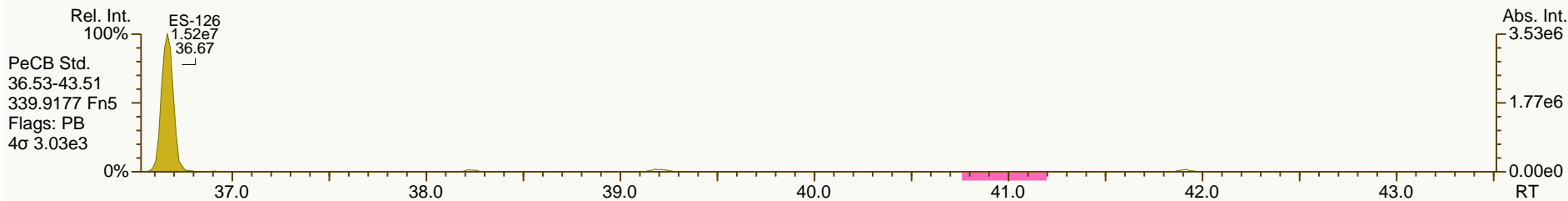
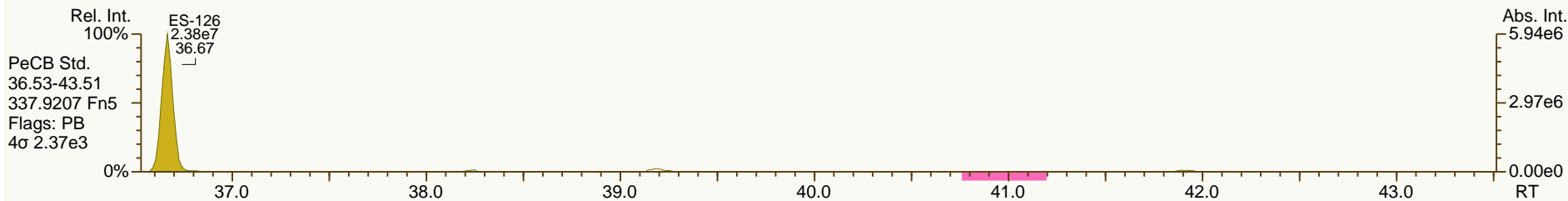
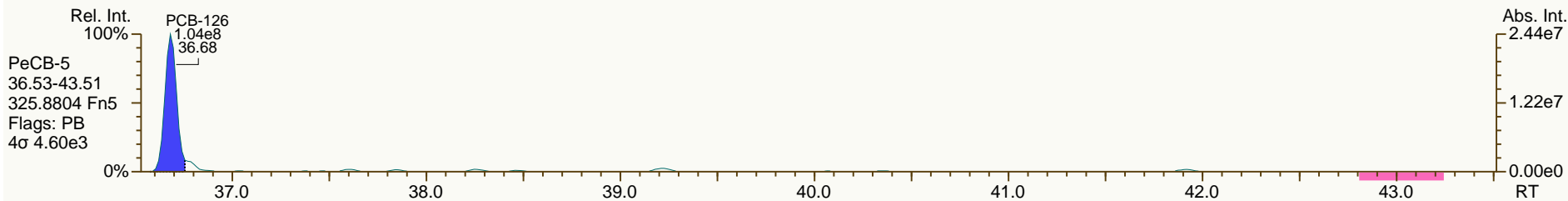
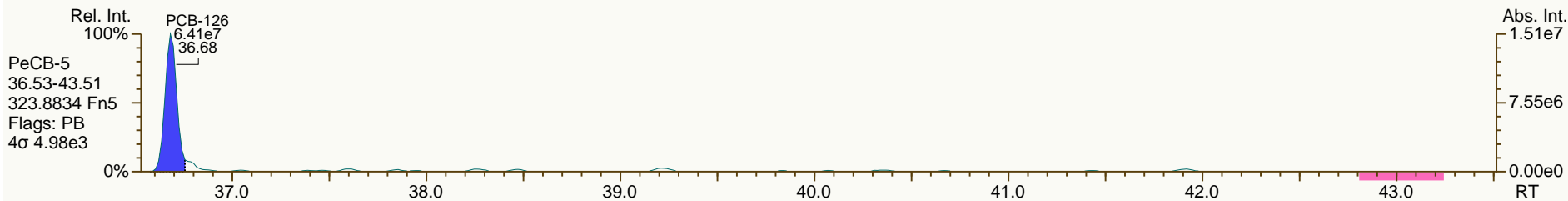
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

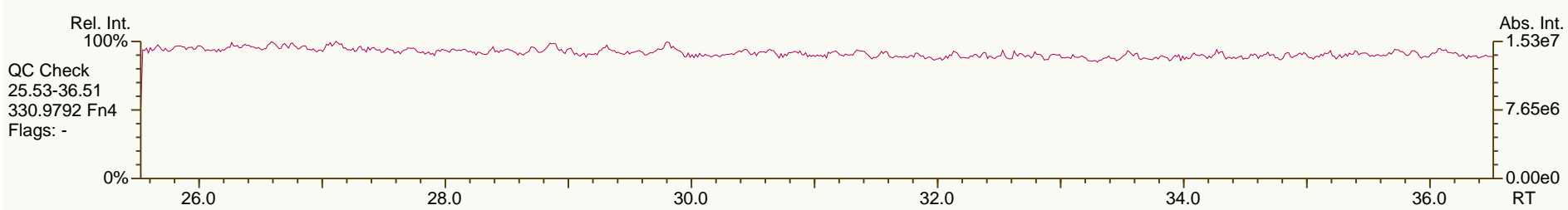
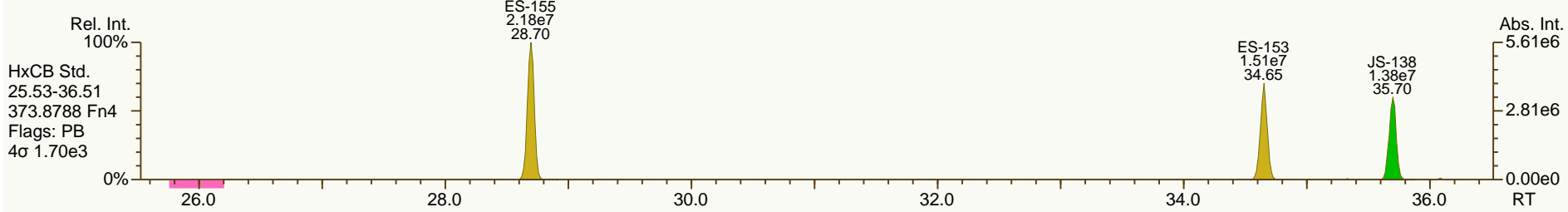
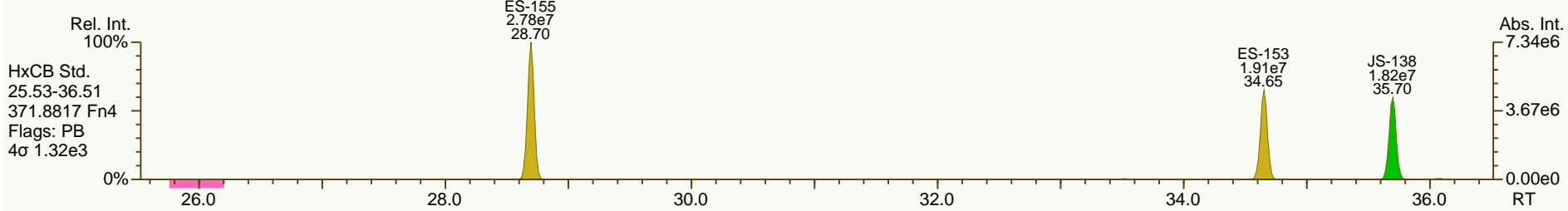
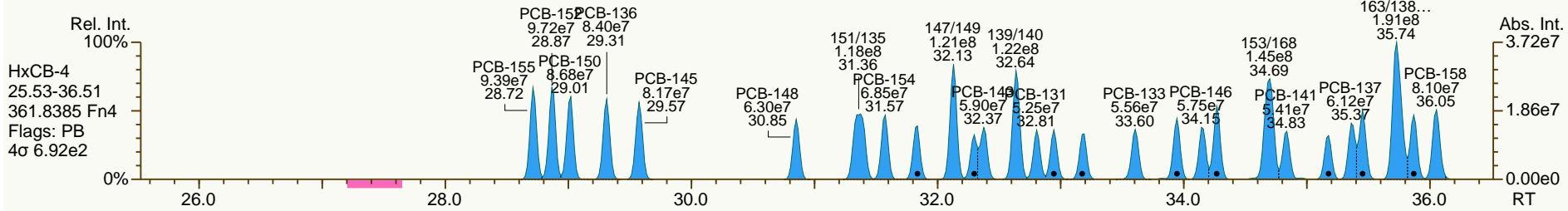
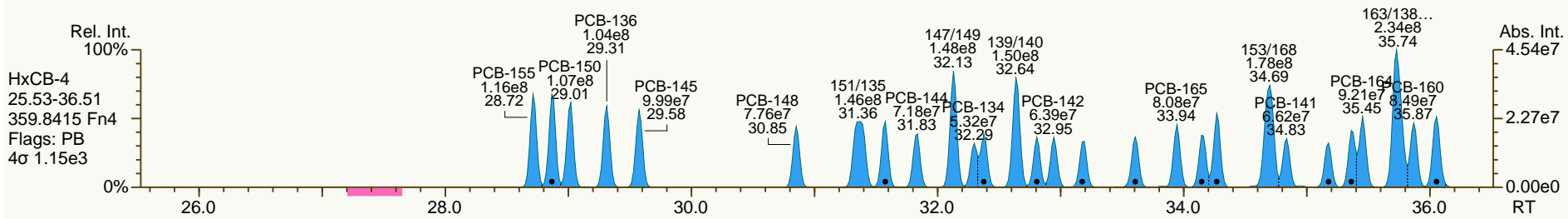
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
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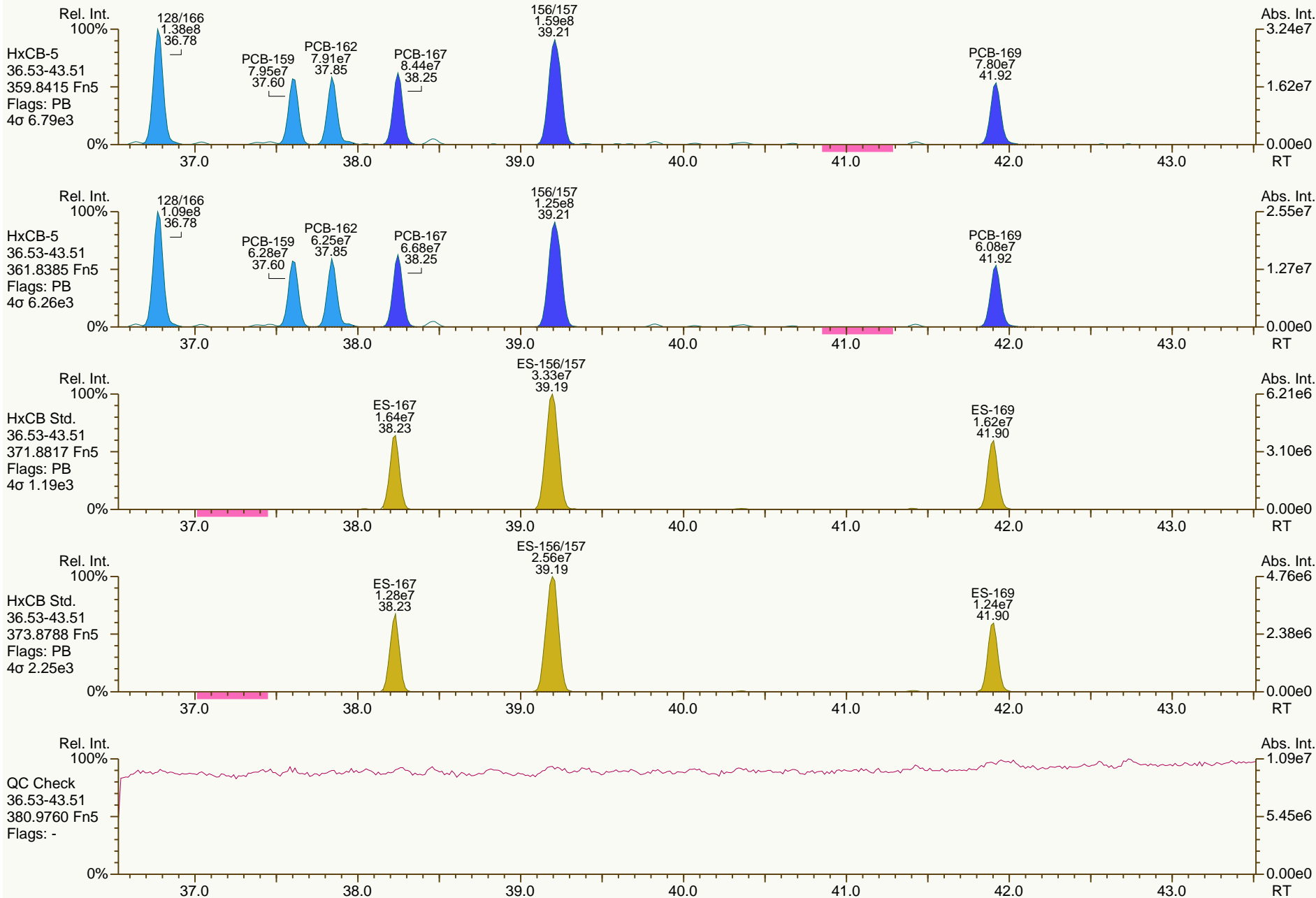
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
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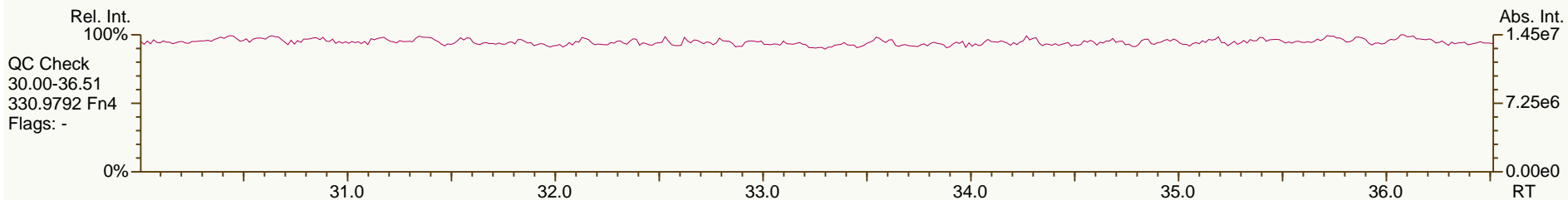
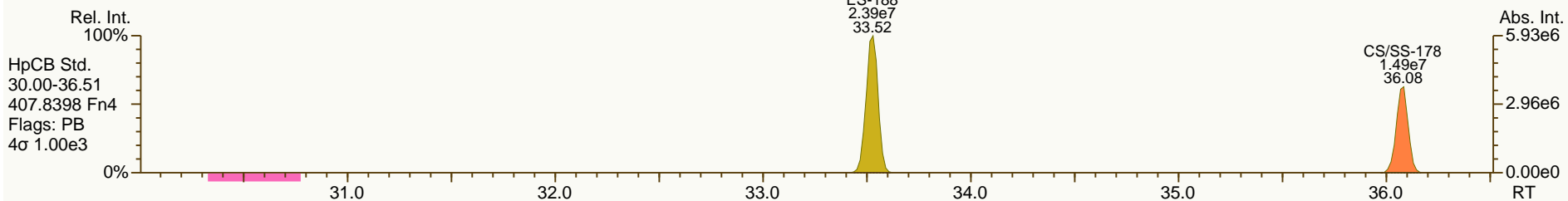
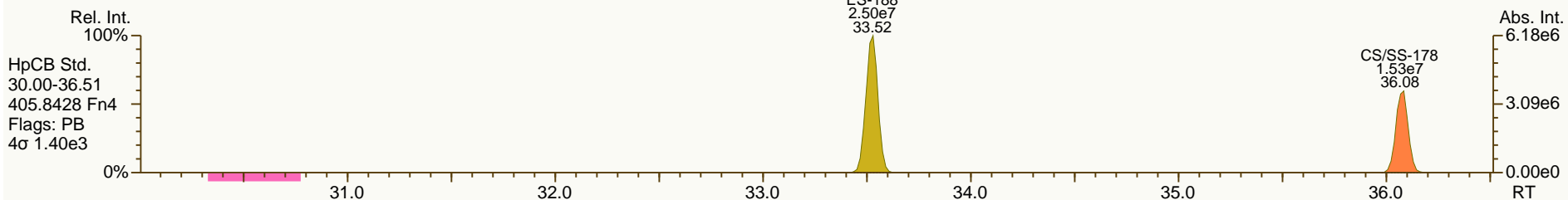
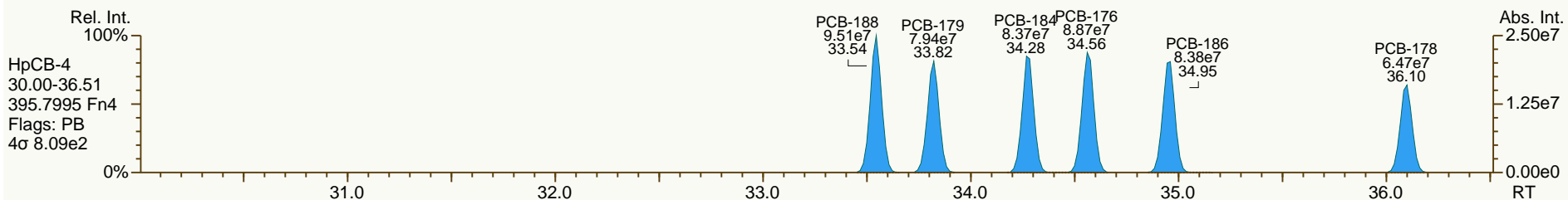
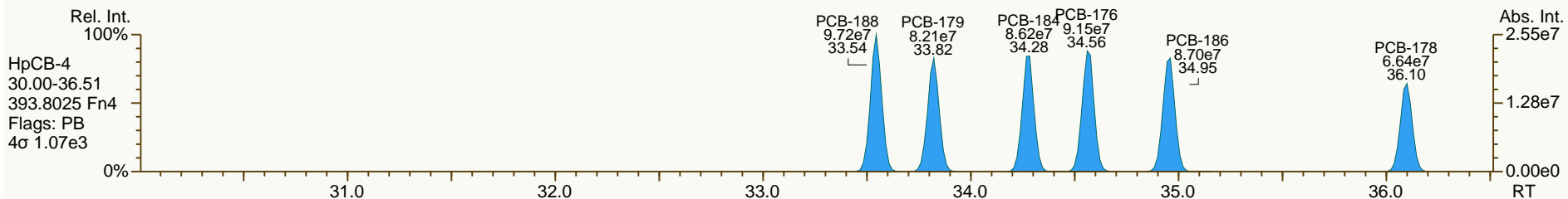
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

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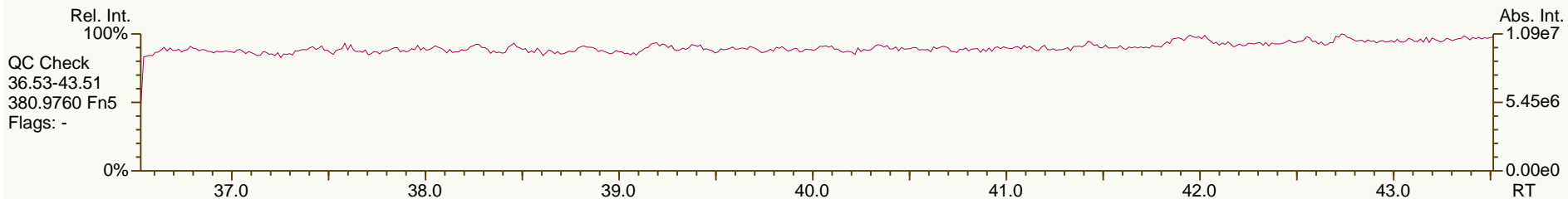
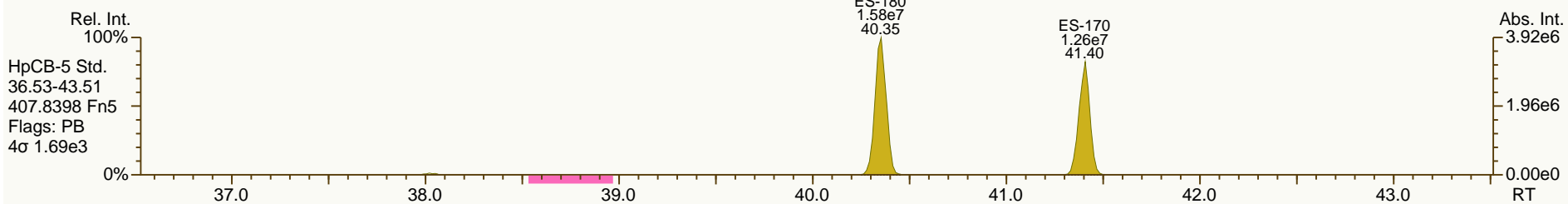
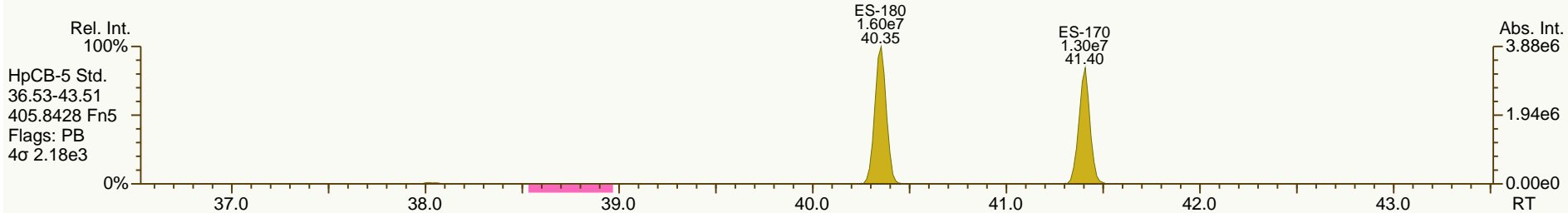
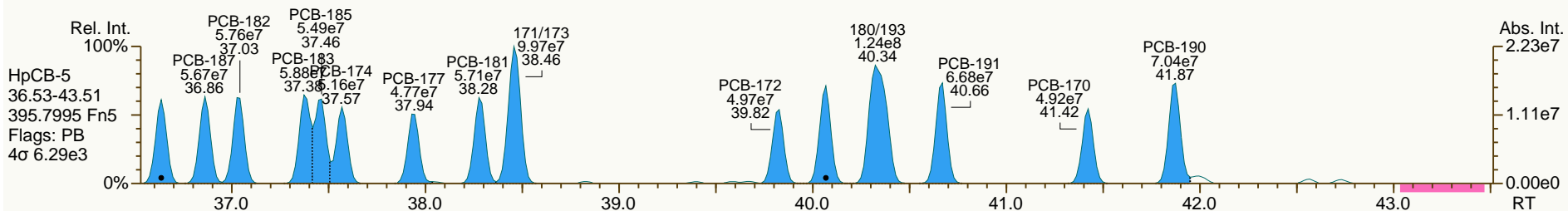
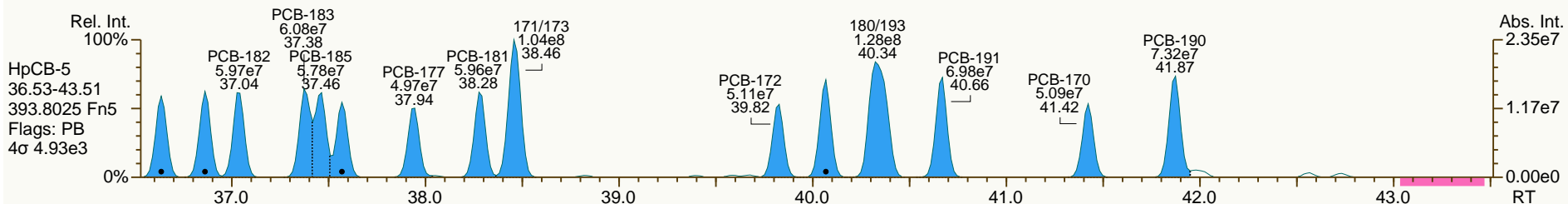
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

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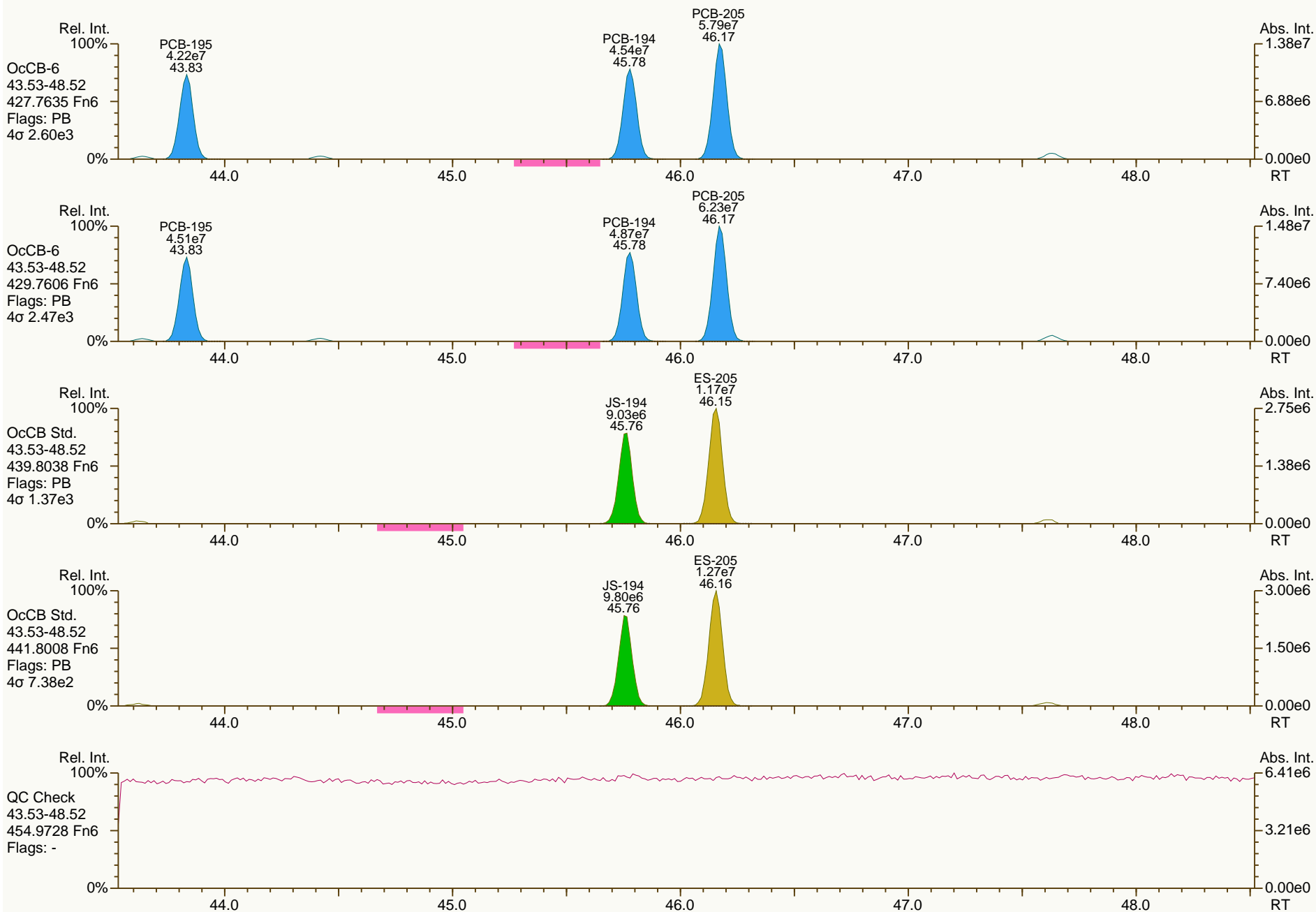
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AP Lab ID: CS4_120125_PCB_VA
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Sample ID: SIL 12-5-2
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AP Lab ID: CS4_120125_PCB_VA
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Sample ID: SIL 12-5-2
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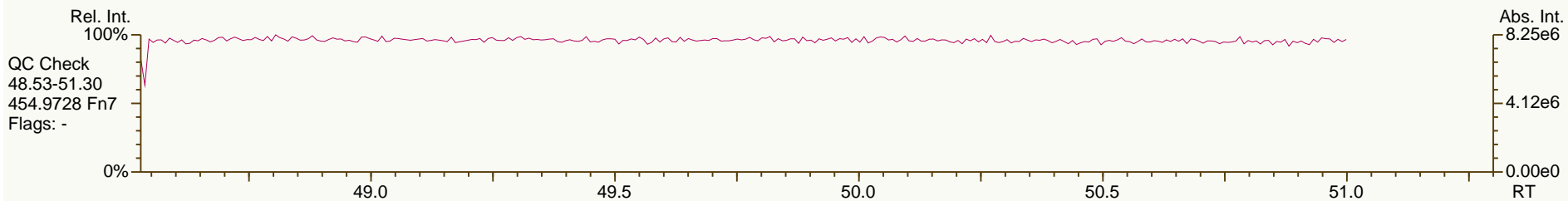
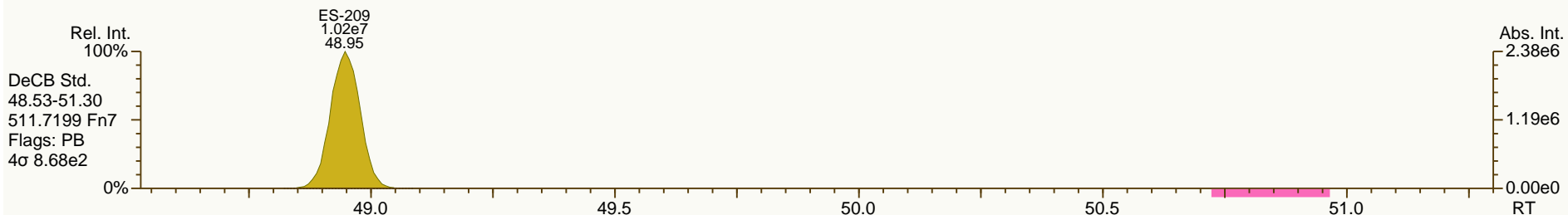
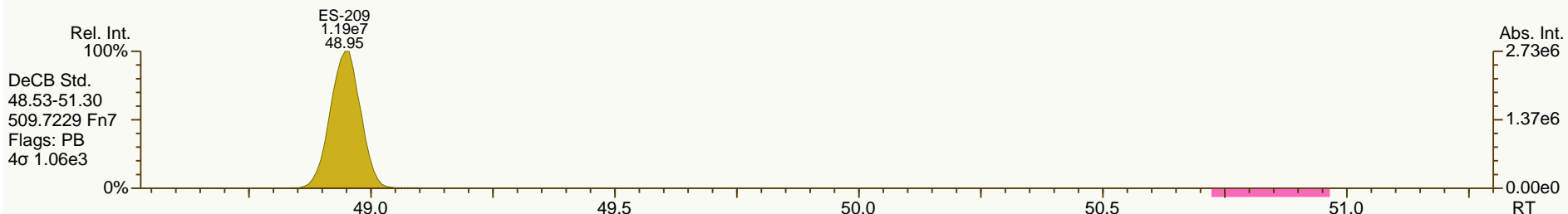
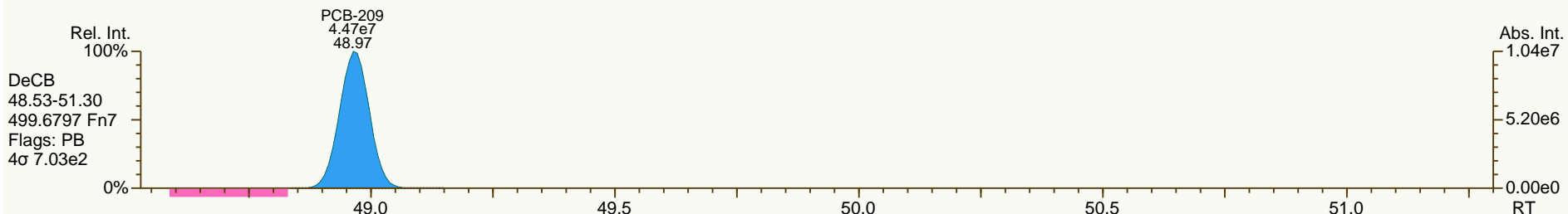
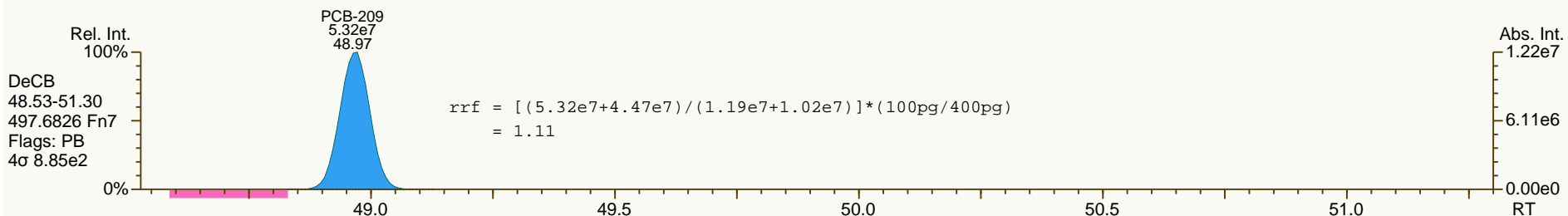
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AP Lab ID: CS4_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 25-Jan-2012 23:12:48
 User: CEM Datafile: 120125V12



PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.13	1.97E+09	0.78 Y	1.11	1.17	5.3%	
PCB-81 344'5'-TeCB	30.66	1.92E+09	0.78 Y	1.13	1.15	1.5%	
PCB-105 233'44'-PeCB	34.09	1.19E+09	0.64 Y	1.05	1.12	5.9%	
PCB-114 2344'5'-PeCB	33.55	1.32E+09	0.64 Y	1.15	1.18	2.3%	
PCB-118 23'44'5'-PeCB	33.10	1.27E+09	0.63 Y	1.04	1.12	7.8%	
PCB-123 2'344'5'-PeCB	32.82	1.26E+09	0.68 Y	1.01	1.00	-0.8%	
PCB-126 33'44'5'-PeCB	36.69	1.48E+09	0.63 Y	1.06	1.09	3.3%	
PCB-156/157 233'44'5'/233'44'5'	39.21	2.36E+09	1.26 Y	1.16	1.20	3.3%	
PCB-167 23'44'55'-HxCB	38.24	1.25E+09	1.26 Y	1.24	1.29	3.5%	
PCB-169 33'44'55'-HxCB	41.92	1.14E+09	1.28 Y	1.19	1.22	2.8%	
PCB-189 233'44'55'-HpCB	44.02	1.31E+09	1.04 Y	1.05	1.10	4.3%	
PCB-209 DeCB	48.96	7.17E+08	1.19 Y	1.09	1.12	2.9%	
ES PCB-1	10.90	1.35E+08	3.36 Y	1.02	1.04	1.8%	
ES PCB-3	13.03	1.41E+08	3.39 Y	1.02	1.09	6.2%	
ES PCB-4	13.26	9.37E+07	1.54 Y	0.68	0.72	5.6%	
ES PCB-15	18.71	1.50E+08	1.55 Y	1.06	1.16	9.0%	
ES PCB-19	16.18	6.77E+07	1.01 Y	0.49	0.52	5.5%	
ES PCB-37	24.88	1.13E+08	1.12 Y	1.51	1.62	7.2%	
ES PCB-54	18.97	9.42E+07	0.77 Y	1.37	1.35	-1.3%	
ES PCB-77	31.12	8.46E+07	0.80 Y	1.17	1.21	3.7%	
ES PCB-81	30.65	8.37E+07	0.80 Y	1.13	1.20	6.0%	
ES PCB-104	23.82	9.05E+07	1.53 Y	1.90	1.82	-4.2%	
ES PCB-105	34.06	5.33E+07	1.55 Y	1.15	1.07	-6.4%	
ES PCB-114	33.53	5.59E+07	1.61 Y	1.22	1.13	-7.4%	
ES PCB-118	33.08	5.64E+07	1.54 Y	1.24	1.14	-8.6%	
ES PCB-123	32.80	6.31E+07	1.55 Y	1.29	1.27	-1.4%	
ES PCB-126	36.66	6.80E+07	1.61 Y	1.40	1.37	-1.9%	
ES PCB-153	34.65	5.89E+07	1.28 Y	1.09	1.11	1.4%	
ES PCB-155	28.69	8.16E+07	1.25 Y	1.45	1.54	6.1%	
ES PCB-156/157	39.19	9.82E+07	1.24 Y	0.94	0.93	-1.8%	
ES PCB-167	38.22	4.86E+07	1.28 Y	0.93	0.92	-1.5%	
ES PCB-169	41.90	4.68E+07	1.26 Y	0.88	0.88	0.6%	
ES PCB-170	41.40	4.06E+07	1.02 Y	1.40	1.46	4.5%	
ES PCB-180	40.35	5.34E+07	1.06 Y	1.74	1.92	10.5%	
ES PCB-188	33.52	8.02E+07	1.06 Y	1.52	1.51	-0.4%	
ES PCB-189	44.01	5.95E+07	1.05 Y	2.05	2.15	4.9%	
ES PCB-202	38.02	6.15E+07	0.87 Y	1.21	1.16	-4.2%	
ES PCB-205	46.15	3.65E+07	0.91 Y	1.28	1.32	2.5%	
ES PCB-206	47.60	3.10E+07	0.78 Y	1.12	1.12	-0.3%	
ES PCB-208	43.61	3.74E+07	0.81 Y	1.46	1.35	-7.9%	
ES PCB-209	48.94	3.20E+07	1.18 Y	1.16	1.15	-0.6%	

PCB QC Summary		Analytical Perspectives			Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.40	1.14E+08	1.11 Y	1.09	1.01	-6.9%	
SS PCB-111	31.15	5.86E+07	1.51 Y	0.93	0.93	-0.5%	
SS PCB-178	36.07	5.08E+07	1.05 Y	0.63	0.63	1.1%	
CS PCB-28	21.40	1.14E+08	1.11 Y	1.64	1.64	0.0%	
CS PCB-111	31.15	5.86E+07	1.51 Y	1.20	1.18	-1.8%	
CS PCB-178	36.07	5.08E+07	1.05 Y	0.95	0.96	0.7%	
JS PCB-9	15.13	1.30E+08	1.58 Y	-	-	-	
JS PCB-52	22.98	6.97E+07	0.80 Y	-	-	-	
JS PCB-101	28.87	4.96E+07	1.55 Y	-	-	-	
JS PCB-138	35.70	5.31E+07	1.27 Y	-	-	-	
JS PCB-194	45.76	2.77E+07	0.93 Y	-	-	-	
PCB-1 2-MoCB	10.91	2.73E+09	3.08 Y	1.00	1.01	1.3%	
PCB-3 4-MoCB	13.04	2.77E+09	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.61E+09	1.53 Y	0.82	0.86	4.6%	
PCB-15 44'-DiCB	18.72	2.90E+09	1.56 Y	0.95	0.96	1.2%	
PCB-19 22'6'-TrCB	16.19	1.28E+09	1.04 Y	0.92	0.95	2.7%	
PCB-37 344'-TrCB	24.89	2.50E+09	1.03 Y	1.07	1.11	3.4%	
PCB-54 22'66'-TeCB	18.99	2.13E+09	0.80 Y	1.04	1.13	8.6%	
PCB-104 22'466'-PeCB	23.84	1.95E+09	0.63 Y	1.02	1.08	6.0%	
PCB-153 22'44'55' -HxCB	34.69	2.83E+09	1.23 Y	1.12	1.20	7.4%	
PCB-155 22'44'66'-HxCB	28.72	1.76E+09	1.23 Y	1.04	1.08	4.1%	
PCB-170 22'33'44'5'-HpCB	41.42	8.23E+08	1.04 Y	0.99	1.01	2.8%	
PCB-180 22'344'55'-HpCB	40.34	2.12E+09	1.04 Y	0.97	0.99	2.7%	
PCB-188 22'34'566'-HpCB	33.54	1.59E+09	1.03 Y	0.94	0.99	5.1%	
PCB-202 22'33'55'66'-OcCB	38.04	1.11E+09	0.89 Y	0.86	0.91	5.5%	
PCB-205 233'44'55'6'-OcCB	46.17	9.01E+08	0.93 Y	1.20	1.23	2.9%	
PCB-208 22'33'455'66'-NoCB	43.63	8.67E+08	0.77 Y	1.01	1.16	15.3%	
PCB-206 22'33'44'55'6'-NoCB	47.62	6.04E+08	0.77 Y	0.95	0.97	2.0%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:18			
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.91	2.73E+09	3.08 Y	1.00	1.01	1.3%	
PCB-2 3-MoCB	12.87	2.83E+09	3.10 Y	0.95	1.00	5.8%	
PCB-3 4-MoCB	13.04	2.77E+09	3.08 Y	0.96	0.98	2.3%	
PCB-4 22'-DiCB	13.28	1.61E+09	1.53 Y	0.82	0.86	4.6%	
PCB-10 26-DiCB	13.44	2.54E+09	1.53 Y	1.33	1.36	2.2%	
PCB-9 25-DiCB	15.15	2.54E+09	1.56 Y	0.84	0.85	0.2%	
PCB-7 24-DiCB	15.30	2.88E+09	1.57 Y	0.95	0.96	0.9%	
PCB-6 23'-DiCB	15.52	2.70E+09	1.55 Y	0.91	0.90	-1.3%	
PCB-5 23-DiCB	15.81	2.76E+09	1.56 Y	0.90	0.92	2.4%	
PCB-8 24'-DiCB	15.92	2.76E+09	1.56 Y	0.93	0.92	-1.1%	
PCB-14 35-DiCB	17.41	3.26E+09	1.56 Y	1.04	1.09	4.3%	
PCB-11 33'-DiCB	18.17	2.80E+09	1.56 Y	0.89	0.93	4.3%	
PCB-13/12 34'-/34-DiCB	18.45	5.53E+09	1.56 Y	0.88	0.92	4.4%	
PCB-15 44'-DiCB	18.72	2.90E+09	1.56 Y	0.95	0.96	1.2%	
PCB-19 22'6-TrCB	16.19	1.28E+09	1.04 Y	0.92	0.95	2.7%	
PCB-30/18 246-/22'5-TrCB	17.88	3.42E+09	1.05 Y	1.19	1.26	5.8%	
PCB-17 22'4-TrCB	18.27	1.48E+09	1.04 Y	1.03	1.09	5.8%	
PCB-27 23'6-TrCB	18.46	1.98E+09	1.04 Y	1.39	1.46	5.0%	
PCB-24 236-TrCB	18.59	1.90E+09	1.04 Y	1.34	1.40	4.7%	
PCB-16 22'3-TrCB	18.68	1.13E+09	1.04 Y	0.77	0.83	8.0%	
PCB-32 24'6-TrCB	19.14	2.07E+09	1.05 Y	1.45	1.53	5.5%	
PCB-34 2'35-TrCB	20.26	2.57E+09	1.03 Y	1.16	1.14	-1.5%	
PCB-23 235-TrCB	20.41	2.59E+09	1.02 Y	1.18	1.15	-2.8%	
PCB-26/29 23'5-/245-TrCB	20.69	5.22E+09	1.02 Y	1.20	1.16	-3.2%	
PCB-25 23'4-TrCB	20.88	2.64E+09	1.03 Y	1.22	1.17	-4.0%	
PCB-31 24'5-TrCB	21.15	2.71E+09	1.02 Y	1.21	1.20	-0.8%	
PCB-28/20 244'-/233'-TrCB	21.43	5.05E+09	1.02 Y	1.18	1.12	-5.2%	
PCB-21/33 234-/2'34-TrCB	21.60	5.24E+09	1.02 Y	1.21	1.16	-3.8%	
PCB-22 234'-TrCB	21.96	2.45E+09	1.02 Y	1.10	1.09	-1.6%	
PCB-36 33'5-TrCB	23.33	2.64E+09	1.02 Y	1.17	1.17	-0.5%	
PCB-39 34'5-TrCB	23.64	2.75E+09	1.02 Y	1.24	1.22	-1.5%	
PCB-38 345-TrCB	24.16	2.35E+09	1.03 Y	1.07	1.04	-2.7%	
PCB-35 33'4-TrCB	24.54	2.35E+09	1.02 Y	1.03	1.04	0.9%	
PCB-37 344'-TrCB	24.89	2.50E+09	1.03 Y	1.07	1.11	3.4%	
PCB-54 22'66'-TeCB	18.99	2.13E+09	0.80 Y	1.04	1.13	8.6%	
PCB-50/53 22'46-/22'56'TeCB	20.92	2.66E+09	0.76 Y	0.80	0.79	-1.0%	
PCB-45 22'36'-TeCB	21.49	1.18E+09	0.75 Y	0.73	0.70	-3.6%	
PCB-51 22'46'-TeCB	21.56	1.35E+09	0.77 Y	0.76	0.81	6.8%	
PCB-46 22'36'-TeCB	21.76	1.07E+09	0.75 Y	0.65	0.64	-1.7%	
PCB-52 22'55'-TeCB	23.00	1.28E+09	0.76 Y	0.77	0.77	-0.5%	
PCB-73 23'5'6TeCB	23.13	1.67E+09	0.76 Y	1.00	1.00	-0.6%	
PCB-43 22'35'-TeCB	23.22	1.12E+09	0.76 Y	0.65	0.67	3.3%	
PCB-69/49 23'46-/22'45'TeCB	23.41	3.08E+09	0.76 Y	0.92	0.92	0.4%	

PCB QC Summary - Ax2 Detail				Printed: 26-Jan-2012 13:18			
Lab ID:	CS5_120125_PCB_VA	ICAL: MM6_PCB_01102012_25JAN12					
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	23.69	1.30E+09	0.76 Y	0.76	0.78	2.6%	
PCB-44/47/65 22'35'-/22'44'-	23.90	4.07E+09	0.76 Y	0.81	0.81	0.4%	
PCB-59/62/75 233'6'-/2346-/24	24.17	5.13E+09	0.76 Y	1.03	1.02	-1.1%	
PCB-42 22'34'-TeCB	24.33	1.16E+09	0.76 Y	0.69	0.69	0.1%	
PCB-41 22'34'-TeCB	24.65	1.09E+09	0.75 Y	0.61	0.65	7.1%	
PCB-71/40 23'4'6/22'33'-TeCB	24.75	2.59E+09	0.76 Y	0.77	0.77	0.8%	
PCB-64 234'6'-TeCB	24.94	1.82E+09	0.76 Y	1.08	1.09	0.1%	
PCB-72 23'55'-TeCB	25.66	2.13E+09	0.78 Y	1.24	1.27	2.1%	
PCB-68 23'45'-TeCB	25.91	2.35E+09	0.78 Y	1.36	1.41	3.0%	
PCB-57 233'5'-TeCB	26.28	2.01E+09	0.78 Y	1.23	1.20	-2.5%	
PCB-58 233'5'-TeCB	26.47	2.10E+09	0.78 Y	1.23	1.25	2.0%	
PCB-67 23'45'-TeCB	26.63	2.14E+09	0.78 Y	1.27	1.28	0.8%	
PCB-63 234'5'-TeCB	26.85	2.28E+09	0.78 Y	1.36	1.36	0.2%	
PCB-61/70/74/76 2345-/23'4'5	27.14	8.14E+09	0.78 Y	1.22	1.22	-0.2%	
PCB-66 23'44'-TeCB	27.41	2.00E+09	0.78 Y	1.17	1.19	2.5%	
PCB-55 233'4'-TeCB	27.55	1.96E+09	0.78 Y	1.15	1.17	1.7%	
PCB-56 233'4'-TeCB	27.98	1.88E+09	0.78 Y	1.11	1.13	1.4%	
PCB-60 2344'-TeCB	28.17	2.00E+09	0.78 Y	1.13	1.19	5.3%	
PCB-80 33'55'-TeCB	28.52	2.22E+09	0.78 Y	1.31	1.33	1.8%	
PCB-79 33'45'-TeCB	29.82	2.20E+09	0.78 Y	1.33	1.31	-1.1%	
PCB-78 33'45'-TeCB	30.29	1.82E+09	0.78 Y	1.06	1.09	2.3%	
PCB-104 22'466'-PeCB	23.84	1.95E+09	0.63 Y	1.02	1.08	6.0%	
PCB-96 22'366'-PeCB	24.15	1.67E+09	0.63 Y	0.86	0.92	7.3%	
PCB-103 22'45'6'-PeCB	25.82	1.09E+09	0.64 Y	0.82	0.87	5.5%	
PCB-94 22'356'-PeCB	26.00	9.55E+08	0.63 Y	0.73	0.76	3.1%	
PCB-95 22'35'6'-PeCB	26.38	1.02E+09	0.64 Y	0.76	0.81	6.3%	
PCB-100/93 22'44'6-/22'356-P	26.59	2.04E+09	0.63 Y	0.77	0.81	5.7%	
PCB-102 22'456'-PeCB	26.70	9.84E+08	0.63 Y	0.85	0.78	-8.8%	
PCB-98 22'3'46'-PeCB	26.76	1.05E+09	0.64 Y	0.72	0.84	16.4%	
PCB-88 22'346'-PeCB	27.06	9.95E+08	0.63 Y	0.73	0.79	8.7%	
PCB-91 22'34'6'-PeCB	27.13	1.05E+09	0.64 Y	0.82	0.83	1.2%	
PCB-84 22'33'6'-PeCB	27.31	8.52E+08	0.64 Y	0.63	0.68	6.4%	
PCB-89 22'346'-PeCB	27.72	9.06E+08	0.64 Y	0.66	0.72	8.7%	
PCB-121 23'45'6'-PeCB	28.08	1.37E+09	0.64 Y	1.00	1.09	8.0%	
PCB-92 22'355'-PeCB	28.39	9.42E+08	0.63 Y	0.69	0.75	8.3%	
PCB-113/90/101 233'5'6-/22'3	28.87	3.30E+09	0.63 Y	0.83	0.87	4.5%	
PCB-83 22'33'5'-PeCB	29.30	8.35E+08	0.63 Y	0.61	0.66	7.9%	
PCB-99 22'44'5'-PeCB	29.39	1.00E+09	0.63 Y	0.79	0.79	0.9%	
PCB-112 233'56'-PeCB	29.49	1.32E+09	0.64 Y	0.98	1.05	7.3%	
PCB-108/119/86/97/125/87 233	29.83	6.69E+09	0.64 Y	0.86	0.88	2.9%	
PCB-117 234'56'-PeCB	30.36	1.21E+09	0.63 Y	0.85	0.96	12.6%	
PCB-116/85 23456-/22'344'-Pe	30.44	2.27E+09	0.64 Y	0.86	0.90	4.5%	
PCB-110 233'4'6'-PeCB	30.57	1.20E+09	0.63 Y	0.91	0.95	4.4%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	30.65	1.31E+09	0.64 Y	1.02	1.04	2.2%	
PCB-82 22'33'4-PeCB	30.83	8.04E+08	0.63 Y	0.61	0.64	4.5%	
PCB-111 233'55'-PeCB	31.17	1.32E+09	0.64 Y	1.02	1.05	2.6%	
PCB-120 23'455'-PeCB	31.56	1.32E+09	0.63 Y	1.01	1.05	4.0%	
PCB-107/124 233'4'5'-/2'3455'	32.51	2.41E+09	0.64 Y	0.92	0.95	3.4%	
PCB-109 233'46-PeCB	32.72	1.33E+09	0.63 Y	1.01	1.06	5.1%	
PCB-106 233'45-PeCB	32.93	1.21E+09	0.59 Y	0.93	0.96	2.6%	
PCB-122 2'33'45-PeCB	33.38	1.07E+09	0.64 Y	0.91	0.96	5.4%	
PCB-127 33'455'-PeCB	35.33	1.18E+09	0.64 Y	1.01	1.11	9.5%	
PCB-155 22'44'66'-HxCB	28.72	1.76E+09	1.23 Y	1.04	1.08	4.1%	
PCB-152 22'3566'-HxCB	28.87	1.72E+09	1.23 Y	0.99	1.05	6.6%	
PCB-150 22'34'66'-HxCB	29.01	1.66E+09	1.23 Y	0.97	1.02	5.2%	
PCB-136 22'33'66'-HxCB	29.31	1.61E+09	1.23 Y	0.91	0.99	8.6%	
PCB-145 22'3466'HxCB	29.57	1.60E+09	1.23 Y	0.93	0.98	5.9%	
PCB-148 22'34'56'-HxCB	30.85	1.21E+09	1.22 Y	0.94	1.03	8.9%	
PCB-151/135 22'355'6-/22'33'	31.36	2.32E+09	1.23 Y	0.91	0.99	8.9%	
PCB-154 22'44'5'6'-HxCB	31.57	1.33E+09	1.22 Y	1.05	1.13	7.0%	
PCB-144 22'345'6'-HxCB	31.83	1.15E+09	1.23 Y	0.92	0.97	5.8%	
PCB-147/149 22'34'56-/22'34'	32.13	2.33E+09	1.22 Y	0.94	0.99	5.6%	
PCB-134 22'33'56'-HxCB	32.29	8.77E+08	1.23 Y	0.72	0.74	3.6%	
PCB-143 22'3456'-HxCB	32.37	1.14E+09	1.23 Y	0.88	0.97	9.7%	
PCB-139/140 22'344'6-/22'344'	32.64	2.40E+09	1.23 Y	0.93	1.02	9.0%	
PCB-131 22'33'46'-HxCB	32.81	1.04E+09	1.22 Y	0.82	0.88	7.4%	
PCB-142 22'3456'-HxCB	32.95	1.03E+09	1.23 Y	0.84	0.87	4.6%	
PCB-132 22'33'46'-HxCB	33.18	1.01E+09	1.22 Y	0.84	0.86	1.6%	
PCB-133 22'33'55'-HxCB	33.60	1.06E+09	1.22 Y	0.86	0.90	4.8%	
PCB-165 233'55'6'-HxCB	33.94	1.28E+09	1.23 Y	1.04	1.09	4.2%	
PCB-146 22'34'55'-HxCB	34.15	1.11E+09	1.23 Y	0.92	0.94	2.5%	
PCB-161 233'45'6'-HxCB	34.27	1.44E+09	1.23 Y	1.20	1.22	1.7%	
PCB-153/168 22'44'55'-/23'44'	34.69	2.83E+09	1.23 Y	1.12	1.20	7.4%	
PCB-141 22'3455'-HxCB	34.83	1.04E+09	1.23 Y	0.87	0.89	2.3%	
PCB-130 22'33'45'-HxCB	35.17	9.34E+08	1.23 Y	0.78	0.79	1.8%	
PCB-137 22'344'5'-HxCB	35.37	1.20E+09	1.22 Y	0.96	1.02	6.0%	
PCB-164 233'4'5'6'-HxCB	35.45	1.42E+09	1.23 Y	1.14	1.20	5.2%	
PCB-163/138/129 233'4'56-/22'	35.74	3.56E+09	1.26 Y	0.95	1.01	5.7%	
PCB-160 233'456'-HxCB	35.87	1.39E+09	1.13 Y	1.12	1.18	4.8%	
PCB-158 233'44'6'-HxCB	36.05	1.52E+09	1.20 Y	1.25	1.29	3.0%	
PCB-128/166 22'33'44'-/2344'5	36.77	2.08E+09	1.26 Y	0.98	1.07	8.5%	
PCB-159 233'455'-HxCB	37.60	1.19E+09	1.26 Y	1.14	1.23	7.2%	
PCB-162 233'4'55'-HxCB	37.84	1.21E+09	1.26 Y	1.13	1.25	9.9%	
PCB-188 22'34'566'-HpCB	33.54	1.59E+09	1.03 Y	0.94	0.99	5.1%	
PCB-179 22'33'566'-HpCB	33.82	1.41E+09	1.03 Y	0.81	0.88	8.5%	
PCB-184 22'344'66'-HpCB	34.27	1.43E+09	1.03 Y	0.85	0.89	4.6%	

PCB QC Summary - Ax2 Detail					Printed: 26-Jan-2012 13:18		
Lab ID:	CS5_120125_PCB_VA			ICAL: MM6_PCB_01102012_25JAN12			
Acquired:	26-JAN-2012 00:07						
Datafile:	120125V13						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	34.56	1.57E+09	1.03 Y	0.93	0.98	5.2%	
PCB-186 22'34566'-HpCB	34.95	1.49E+09	1.03 Y	0.88	0.93	5.6%	
PCB-178 22'33'55'6'-HpCB	36.09	1.11E+09	1.03 Y	0.66	0.69	4.2%	
PCB-175 22'33'45'6'-HpCB	36.63	9.49E+08	1.04 Y	0.81	0.89	9.3%	
PCB-187 22'34'55'6'-HpCB	36.86	9.96E+08	1.05 Y	0.89	0.93	4.5%	
PCB-182 22'344'56'-HpCB	37.03	9.98E+08	1.04 Y	0.89	0.93	5.6%	
PCB-183 22'344'5'6'-HpCB	37.38	1.05E+09	1.03 Y	0.91	0.99	8.7%	
PCB-185 22'3455'6'-HpCB	37.46	9.50E+08	1.05 Y	0.87	0.89	2.6%	
PCB-174 22'33'456'-HpCB	37.57	8.88E+08	1.04 Y	0.76	0.83	9.1%	
PCB-177 22'33'4'56'-HpCB	37.94	8.39E+08	1.04 Y	0.75	0.79	4.7%	
PCB-181 22'344'56'-HpCB	38.28	9.87E+08	1.03 Y	0.87	0.92	6.1%	
PCB-171/173 22'33'44'6'-/22'3	38.46	1.72E+09	1.03 Y	0.76	0.81	5.6%	
PCB-172 22'33'455'-HpCB	39.82	8.53E+08	1.04 Y	0.76	0.80	5.0%	
PCB-192 233'455'6'-HpCB	40.06	1.12E+09	1.04 Y	1.02	1.05	3.2%	
PCB-180/193 22'344'55'-/233'	40.34	2.12E+09	1.04 Y	0.97	0.99	2.7%	
PCB-191 233'44'5'6'-HpCB	40.66	1.16E+09	1.05 Y	1.05	1.09	3.6%	
PCB-170 22'33'44'5'-HpCB	41.42	8.23E+08	1.04 Y	0.99	1.01	2.8%	
PCB-190 233'44'56'-HpCB	41.87	1.17E+09	1.04 Y	1.37	1.44	5.1%	
PCB-202 22'33'55'66'-OcCB	38.04	1.11E+09	0.89 Y	0.86	0.91	5.5%	
PCB-201 22'33'45'66'-OcCB	38.82	1.24E+09	0.90 Y	0.96	1.01	5.6%	
PCB-204 22'344'566'-OcCB	39.39	1.17E+09	0.90 Y	0.93	0.95	2.8%	
PCB-197 22'33'44'66'-OcCB	39.58	1.20E+09	0.89 Y	0.99	0.98	-1.0%	
PCB-200 22'33'4566'-OcCB	39.66	1.26E+09	0.90 Y	0.91	1.02	12.0%	
PCB-198/199 22'33'455'6'-/22'	41.99	1.75E+09	0.90 Y	0.68	0.71	4.4%	
PCB-196 22'33'44'56'-OcCB	42.56	8.89E+08	0.89 Y	0.69	0.72	4.7%	
PCB-203 22'344'55'6'-OcCB	42.72	9.29E+08	0.89 Y	0.73	0.76	3.1%	
PCB-195 22'33'44'56'-OcCB	43.83	6.79E+08	0.93 Y	0.92	0.93	1.5%	
PCB-194 22'33'44'55'-OcCB	45.77	7.06E+08	0.93 Y	0.96	0.97	1.0%	
PCB-205 233'44'55'6'-OcCB	46.17	9.01E+08	0.93 Y	1.20	1.23	2.9%	
PCB-208 22'33'455'66'-NoCB	43.63	8.67E+08	0.77 Y	1.01	1.16	15.3%	
PCB-207 22'33'44'566'-NoCB	44.41	9.20E+08	0.77 Y	1.06	1.23	16.7%	
PCB-206 22'33'44'55'6'-NoCB	47.62	6.04E+08	0.77 Y	0.95	0.97	2.0%	

AP Lab ID: CS5_120125_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

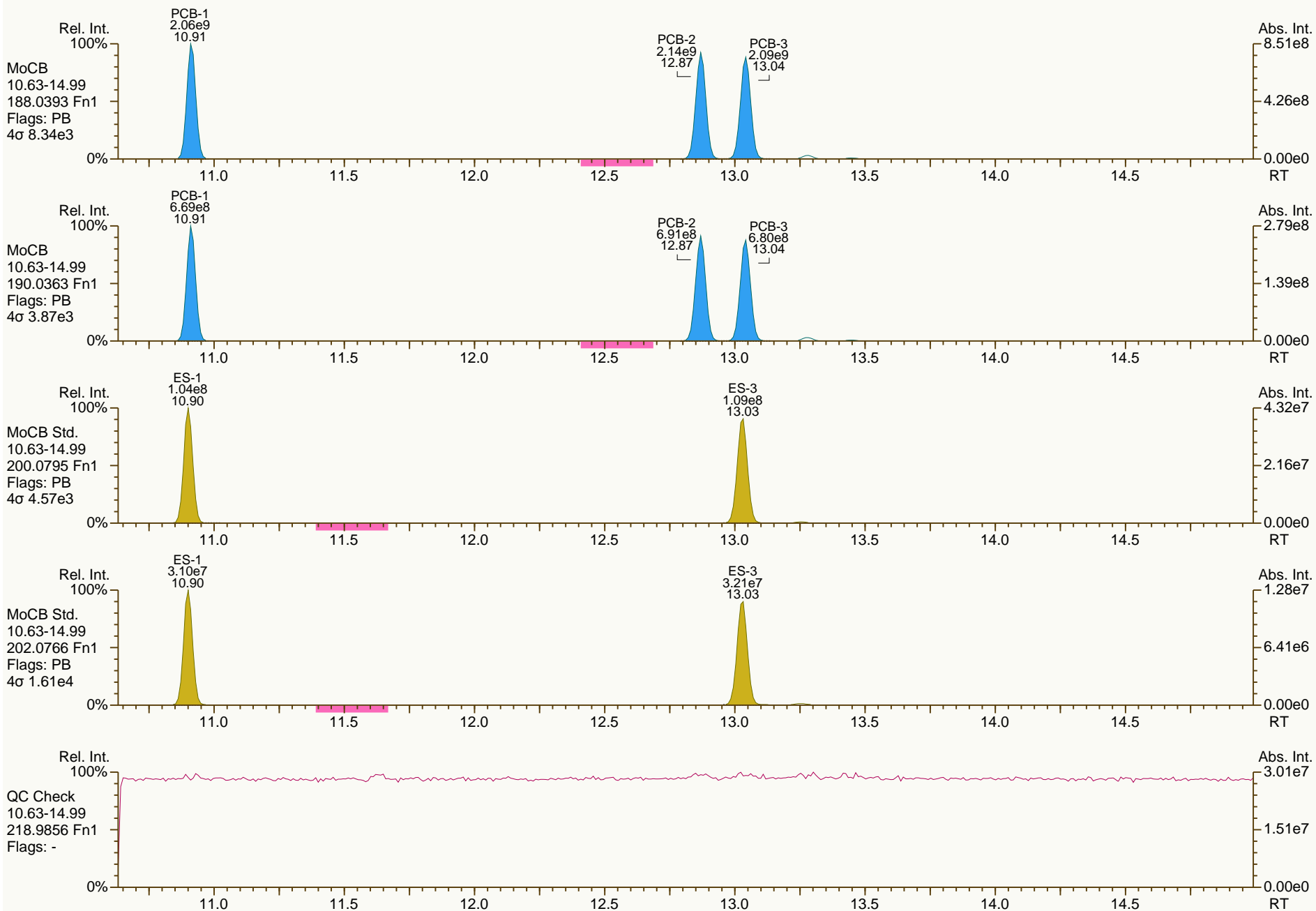
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

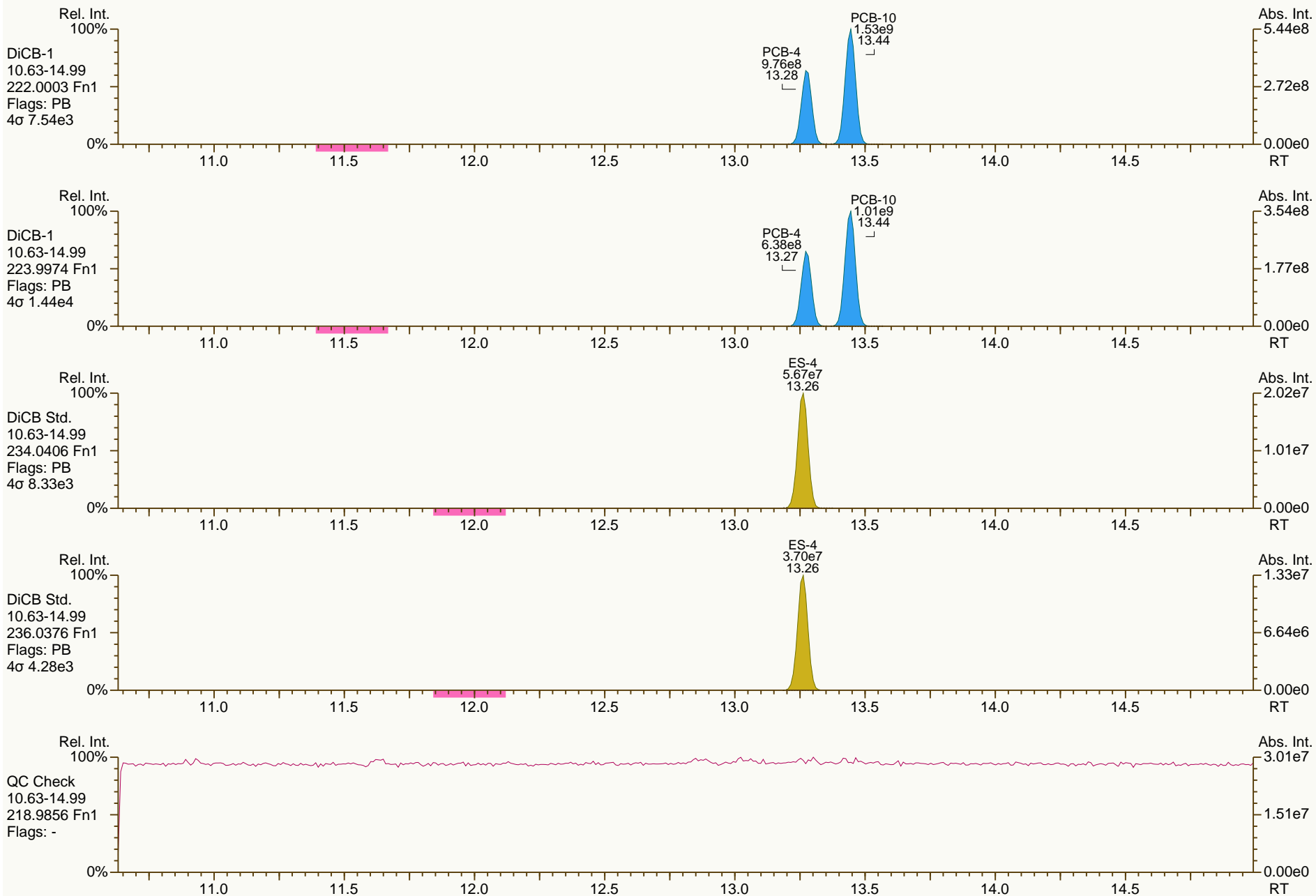
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

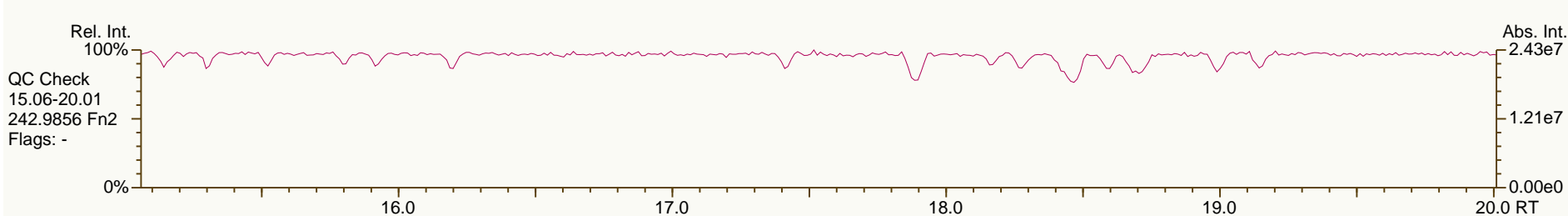
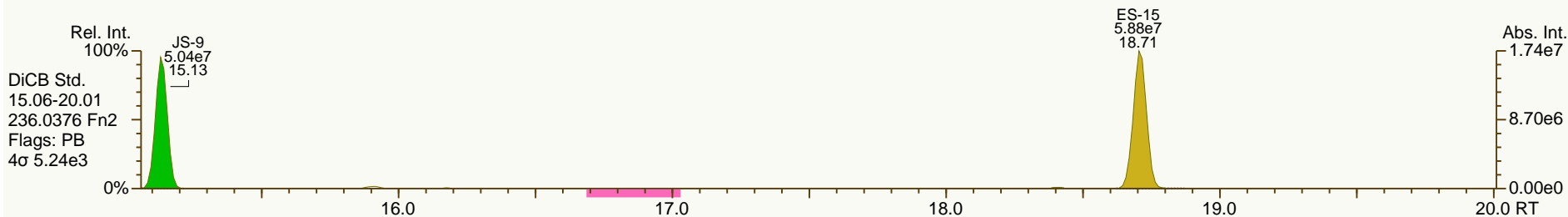
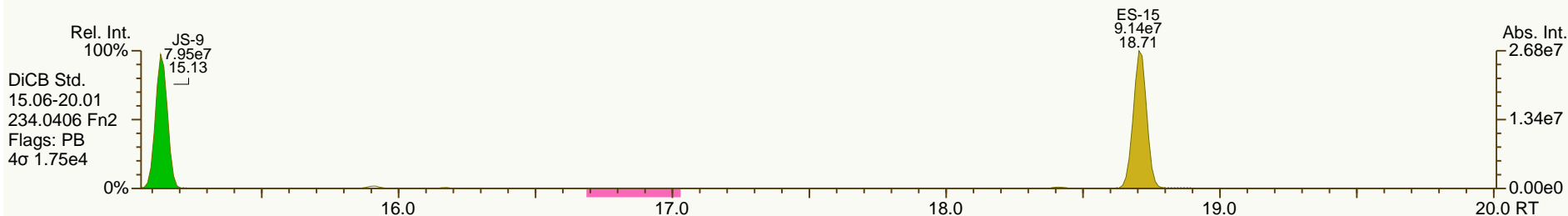
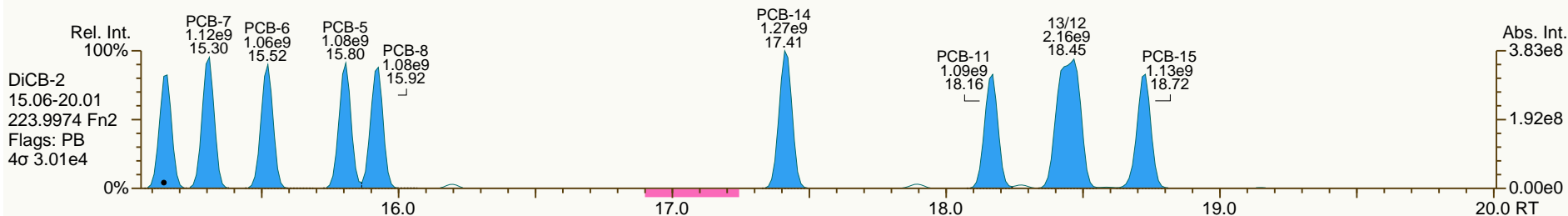
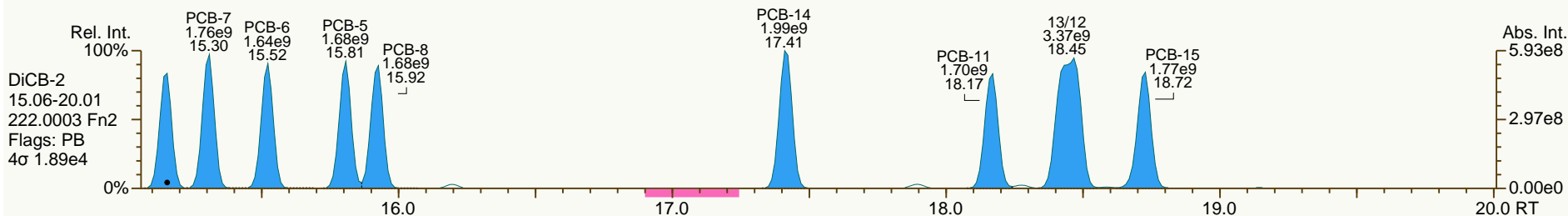
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

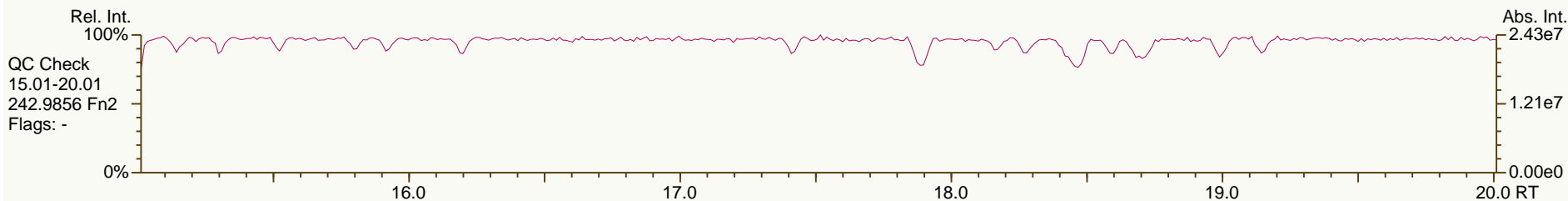
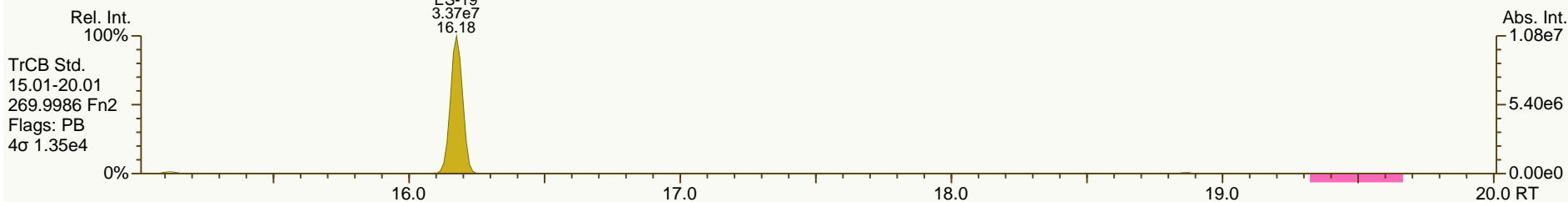
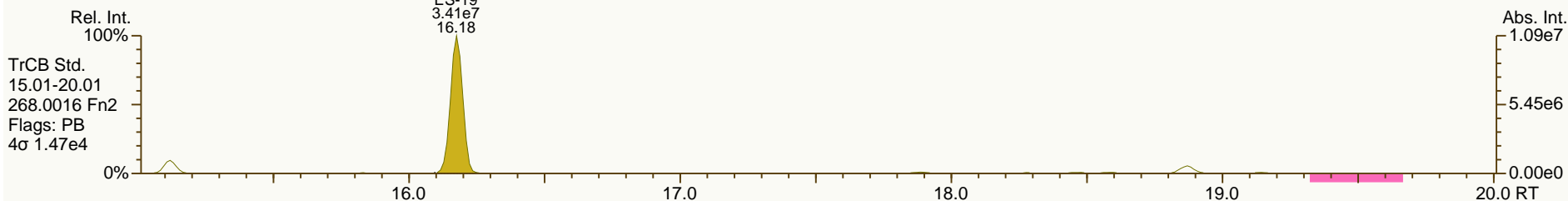
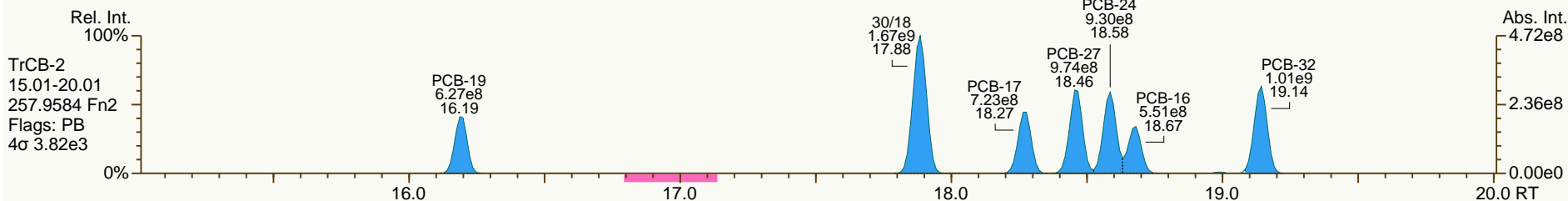
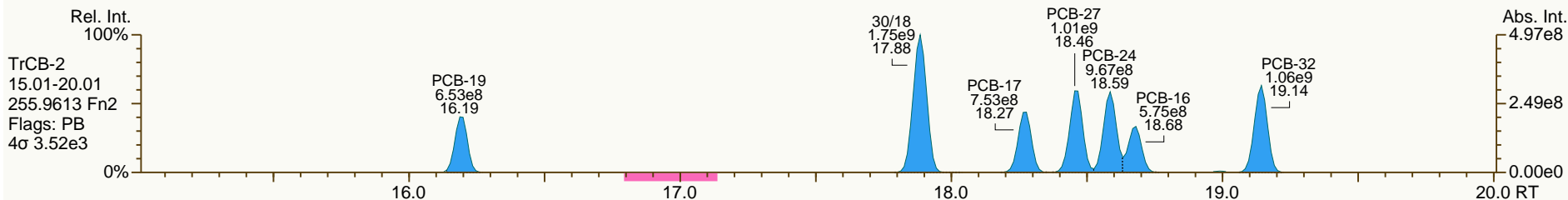
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

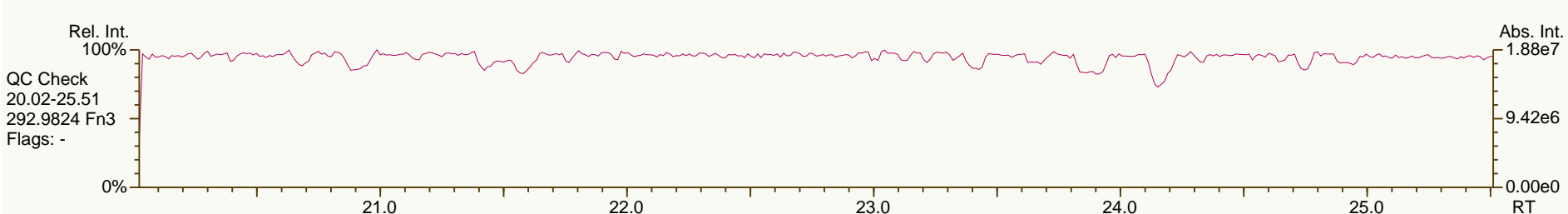
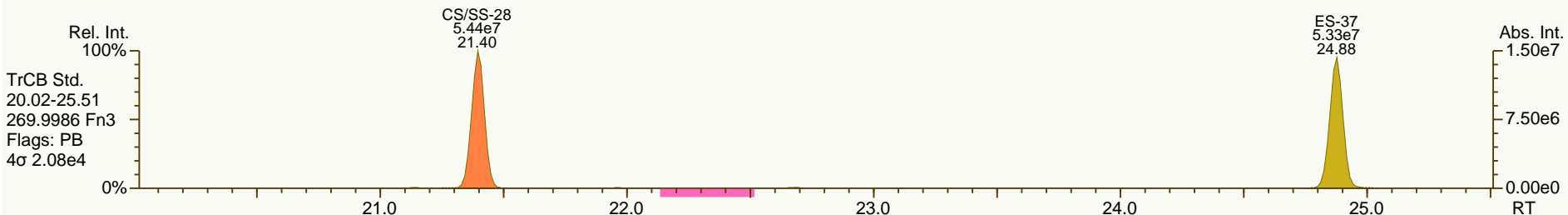
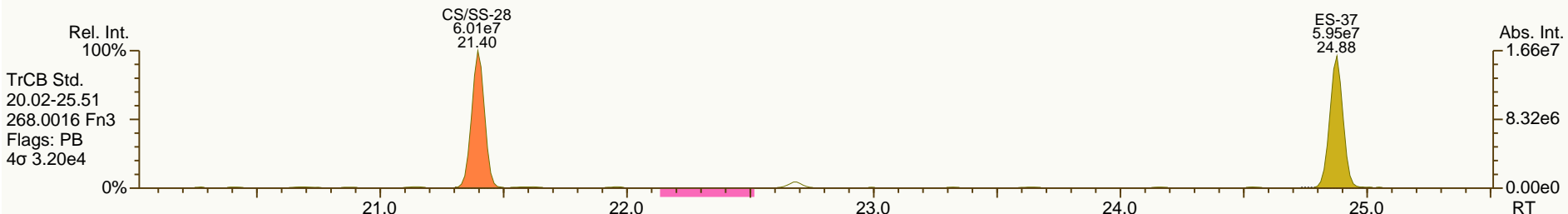
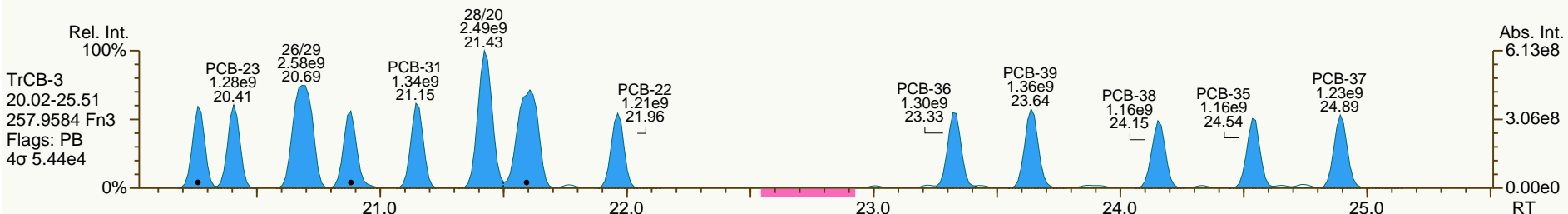
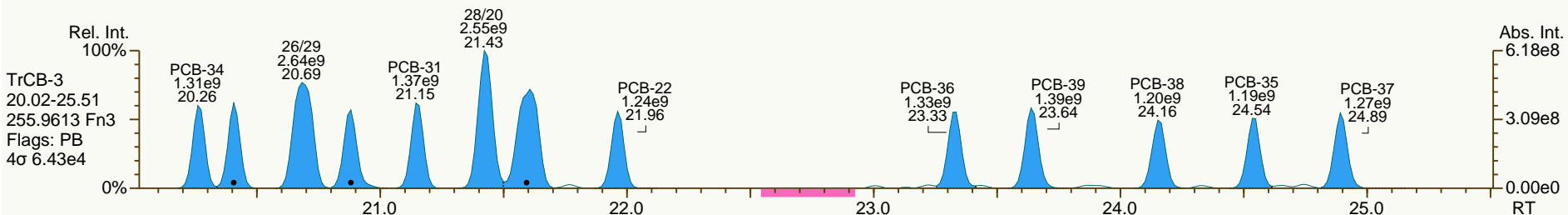
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

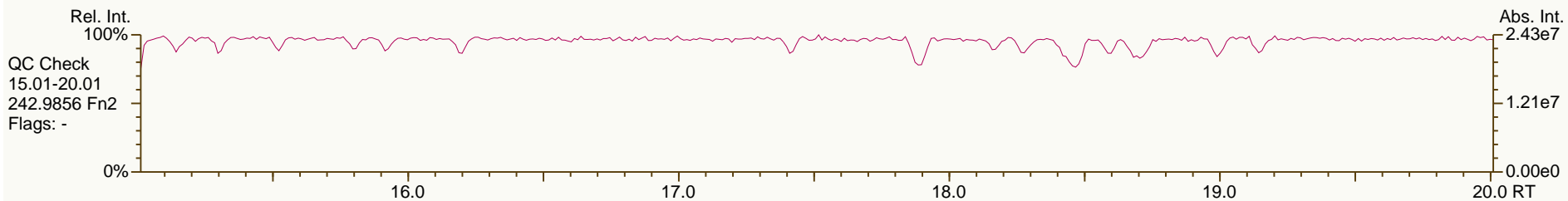
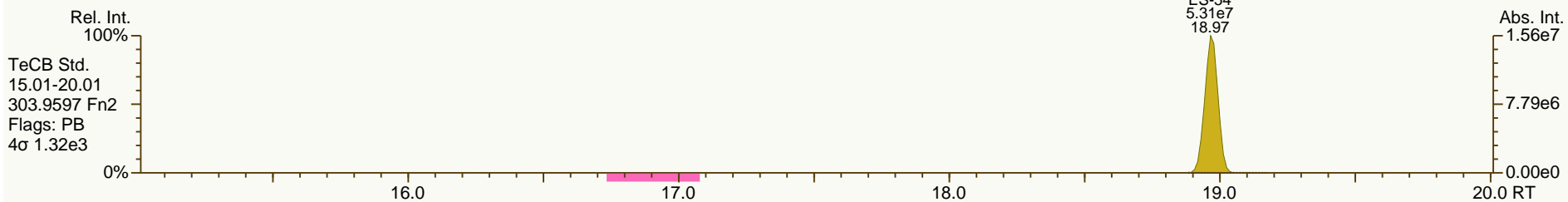
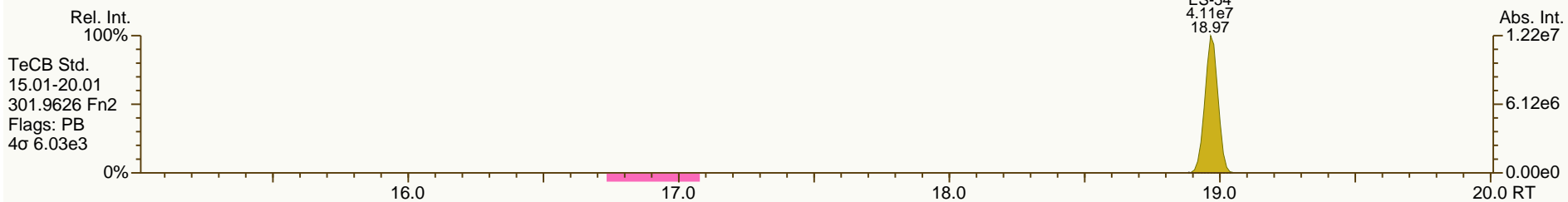
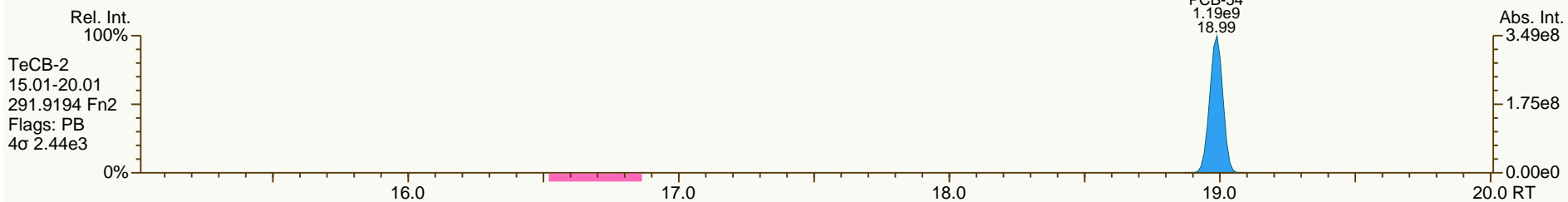
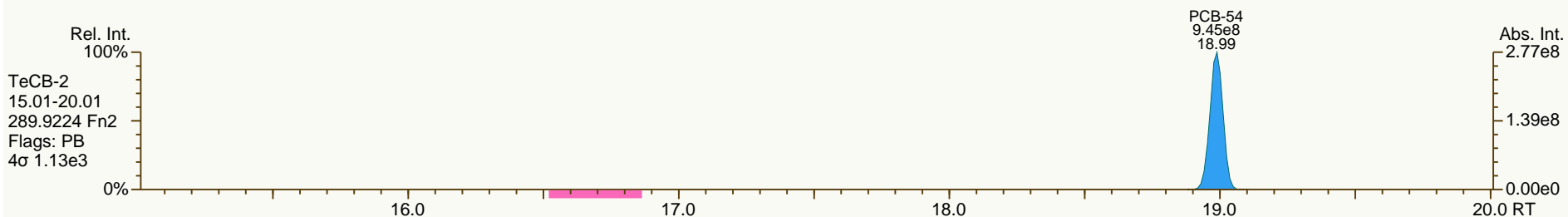
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
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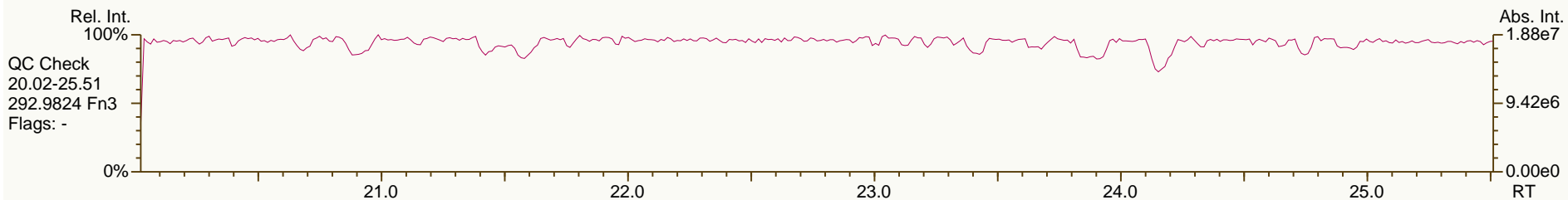
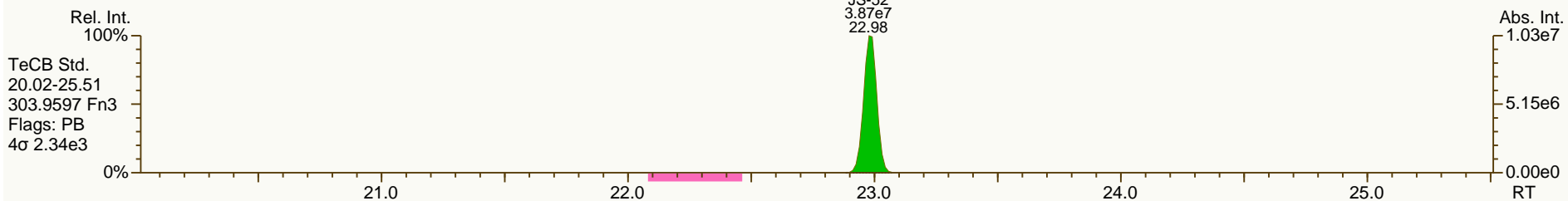
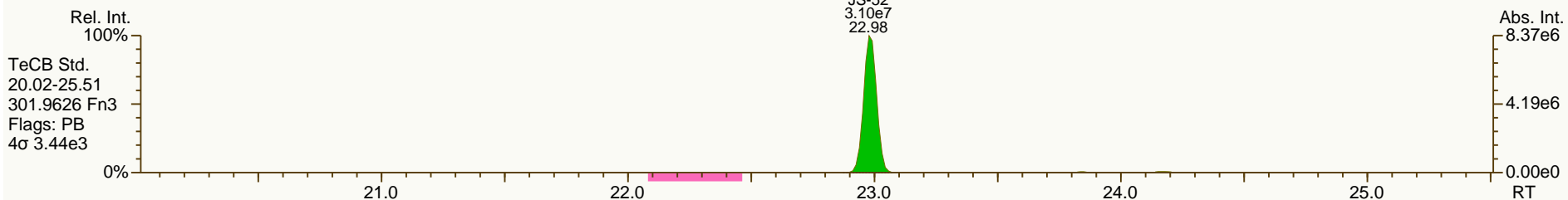
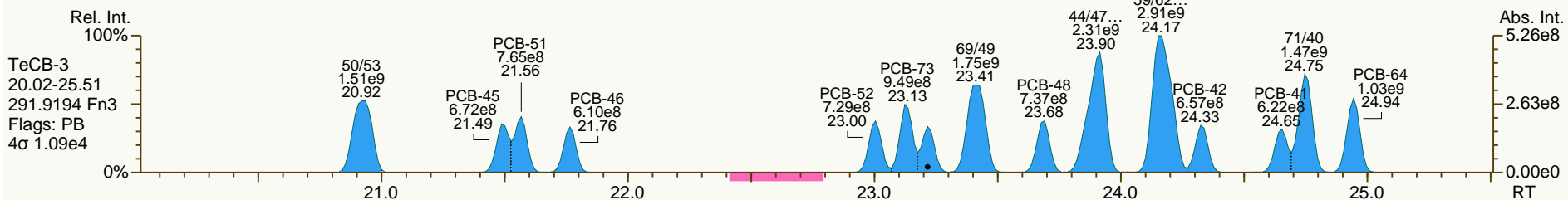
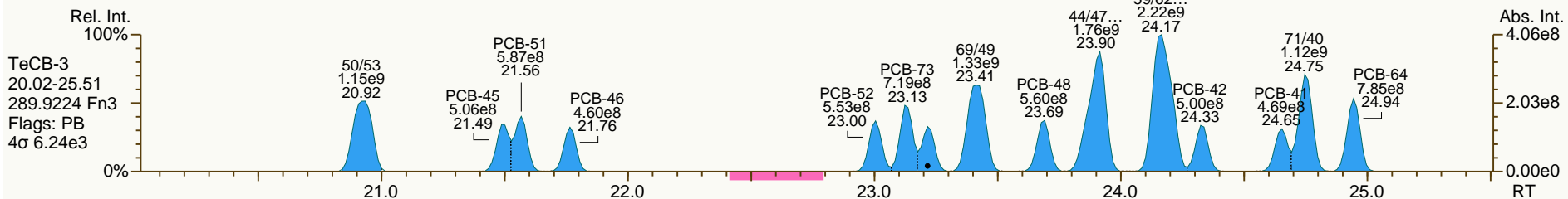
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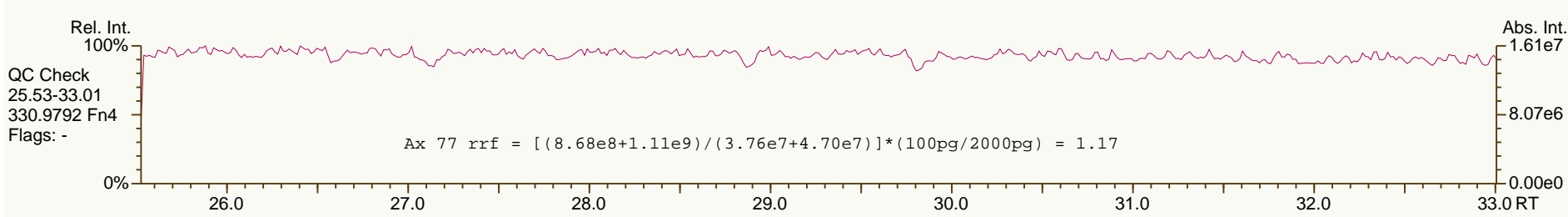
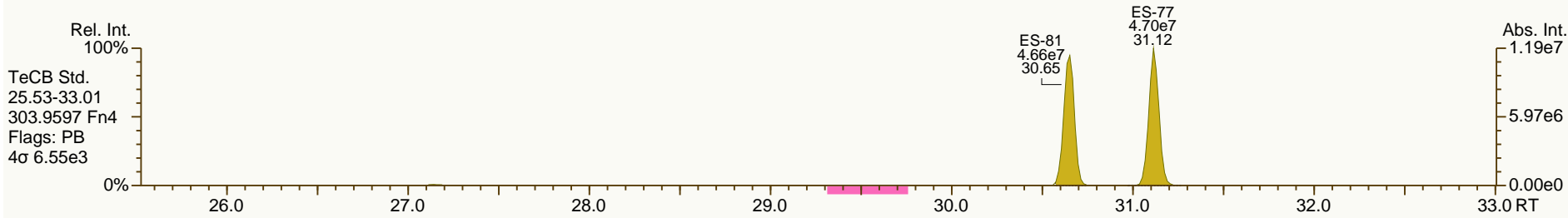
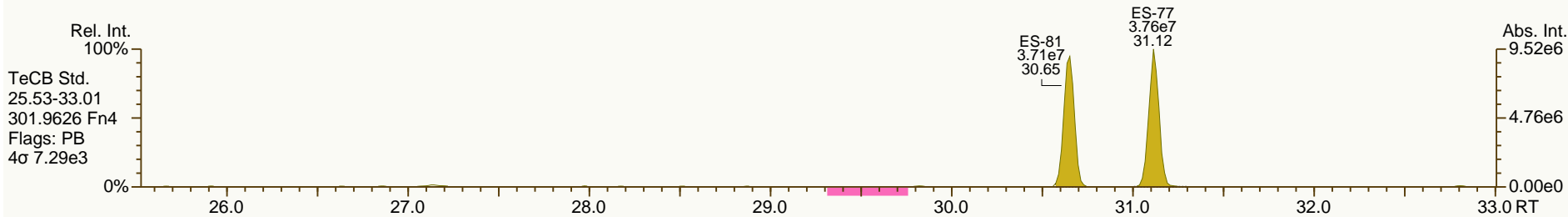
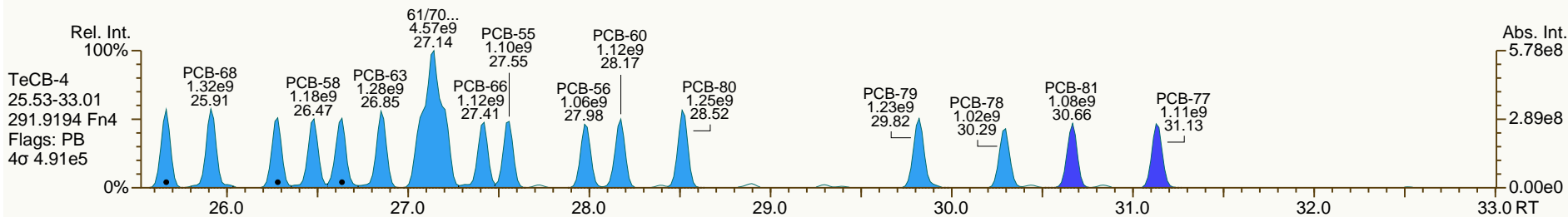
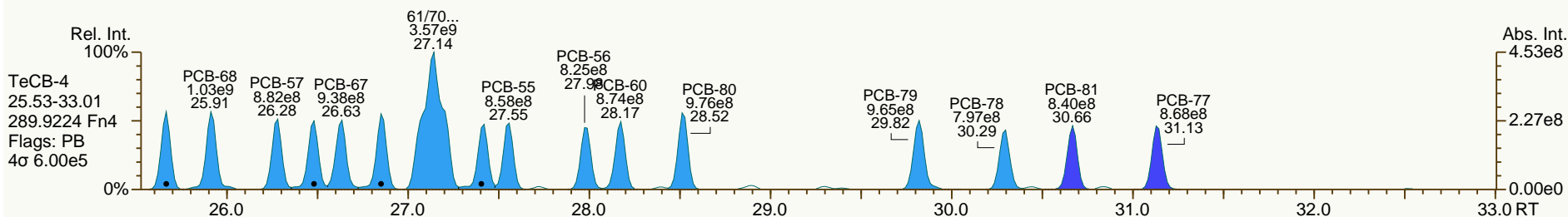
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AP Lab ID: CS5_120125_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-5-1
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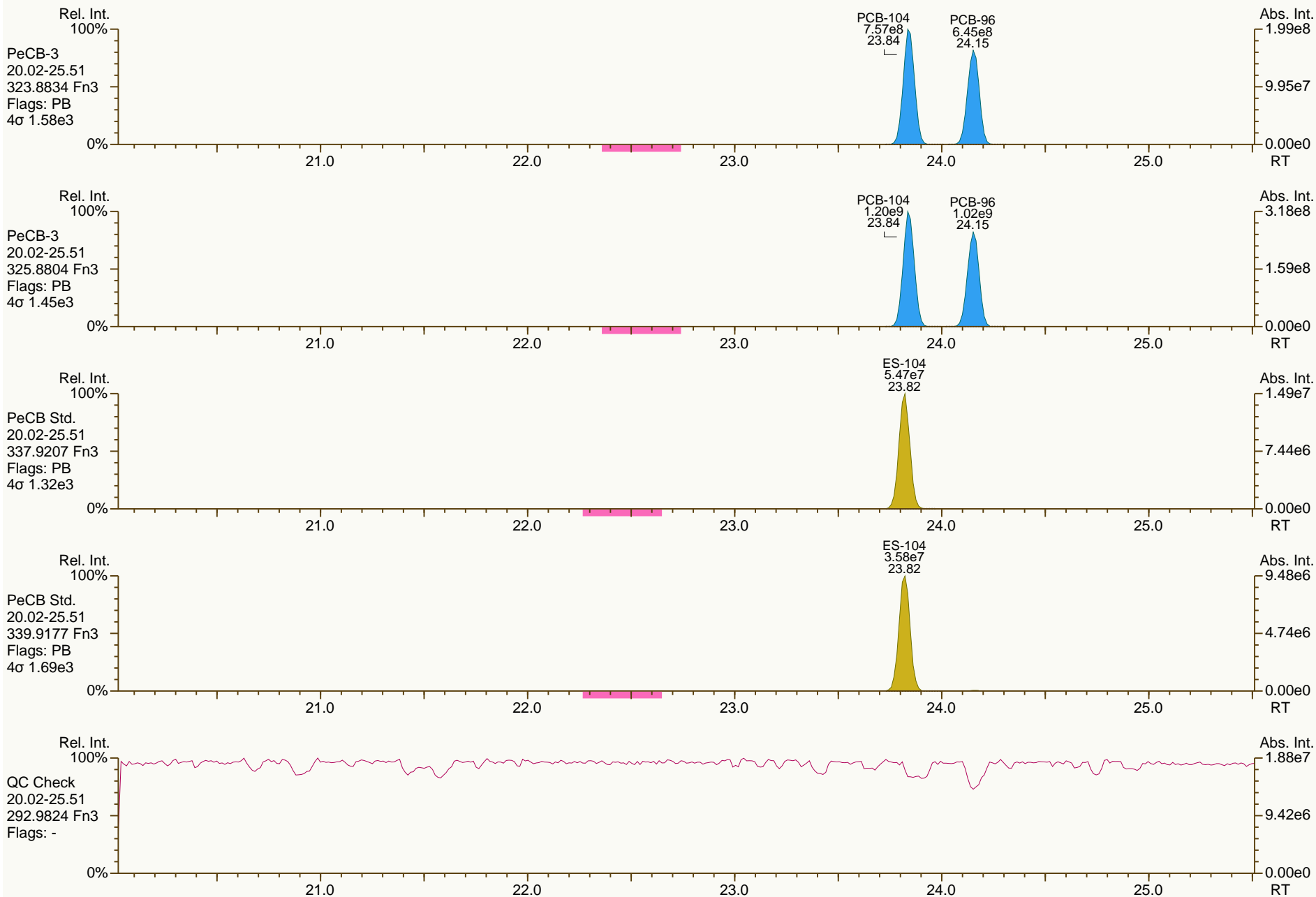
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Instr: AutoSpec-Premier MM6

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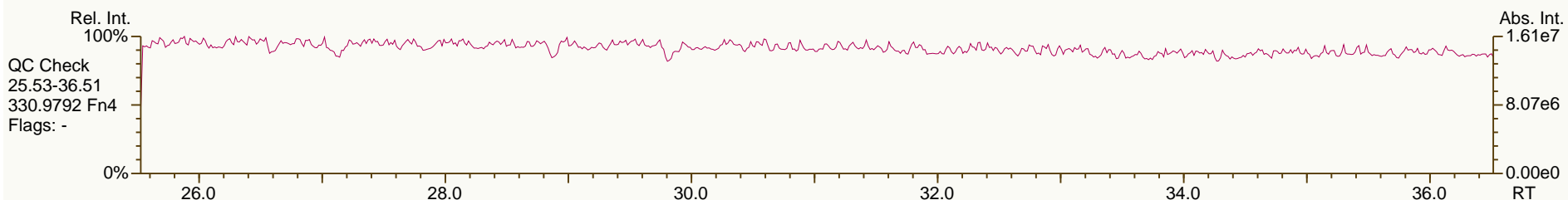
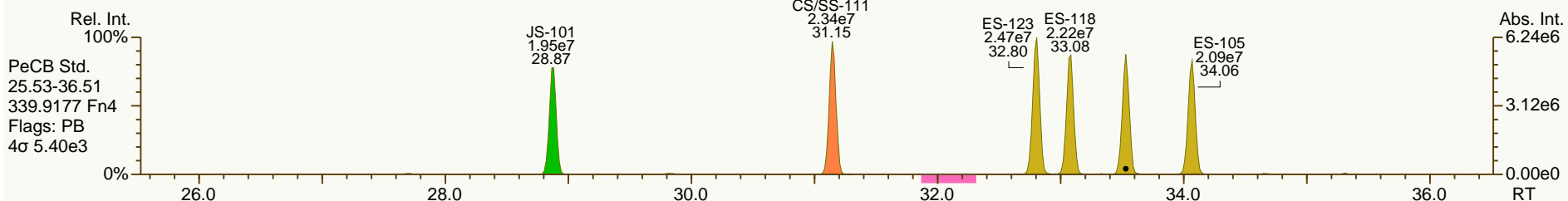
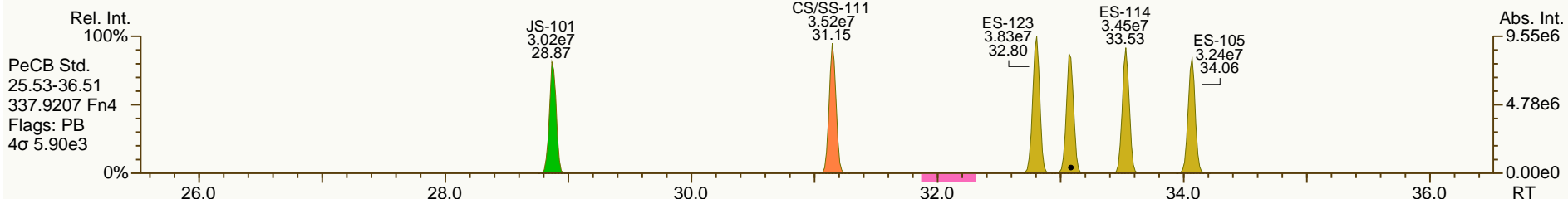
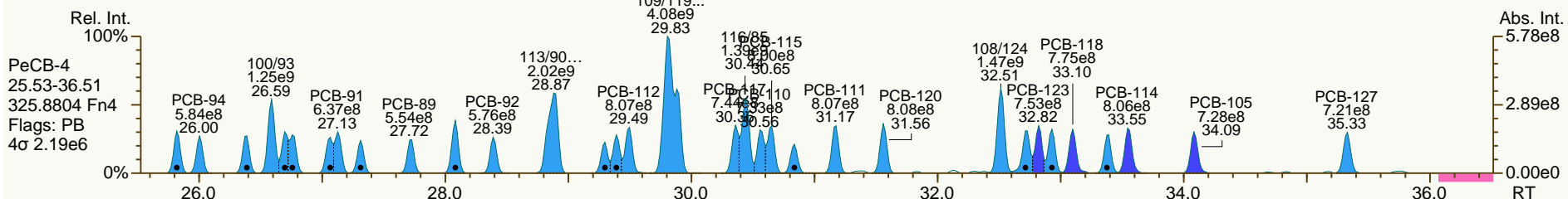
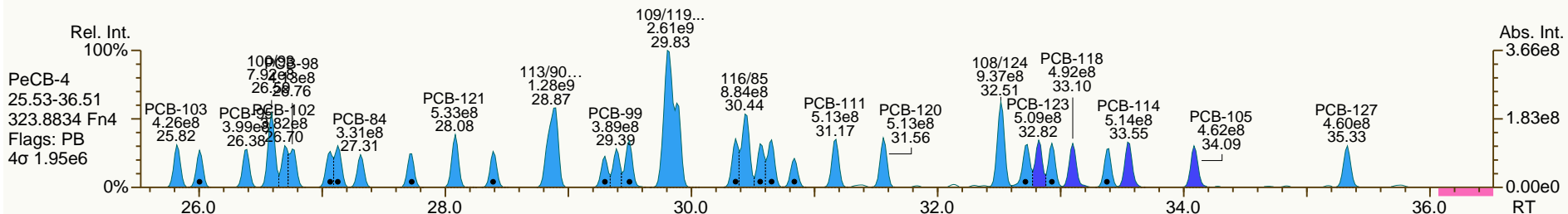
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AP Lab ID: CS5_120125_PCB_VA
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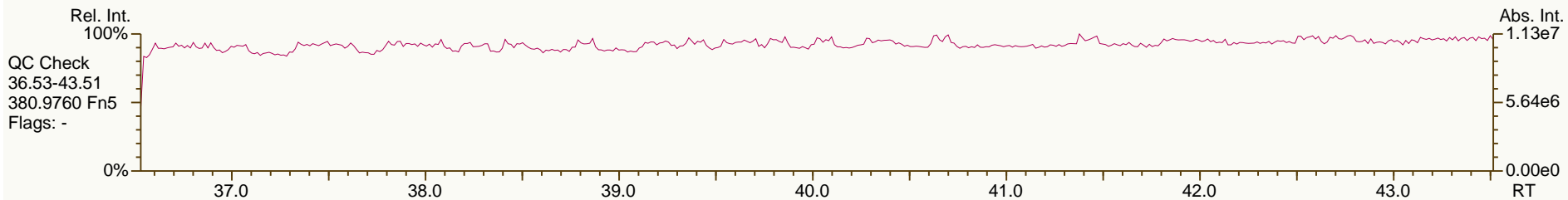
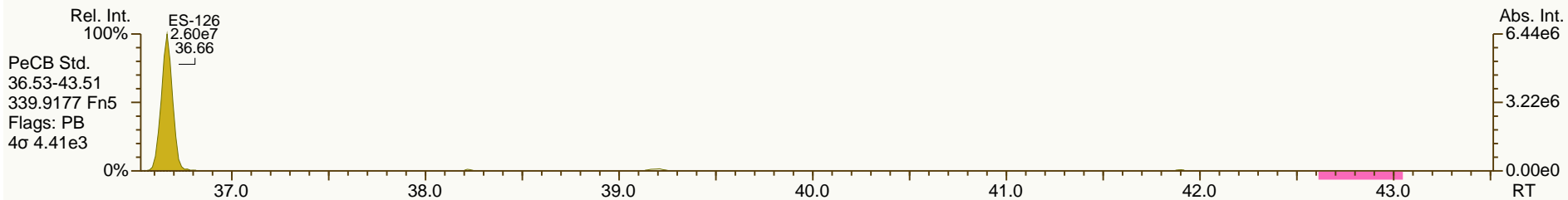
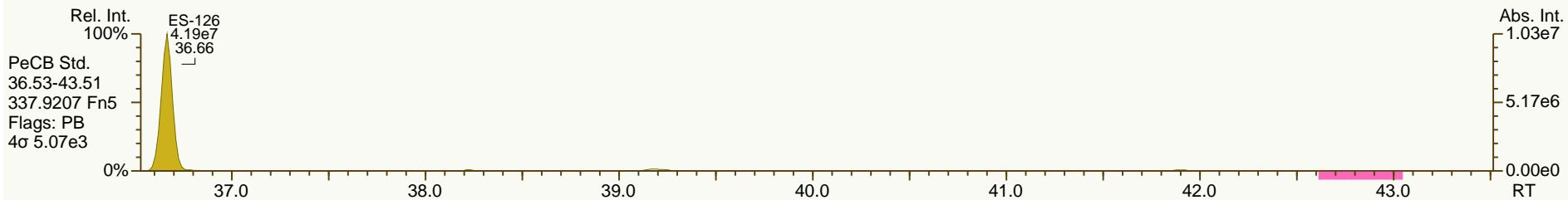
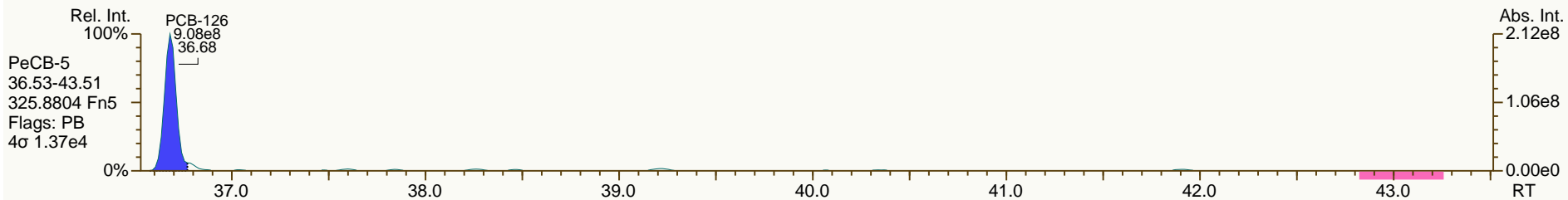
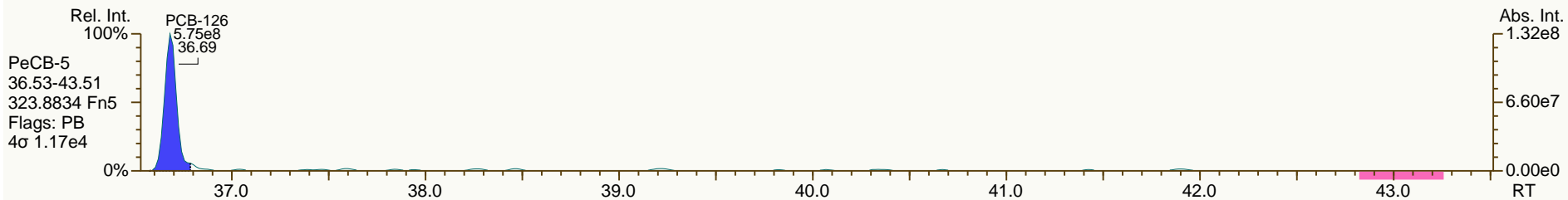
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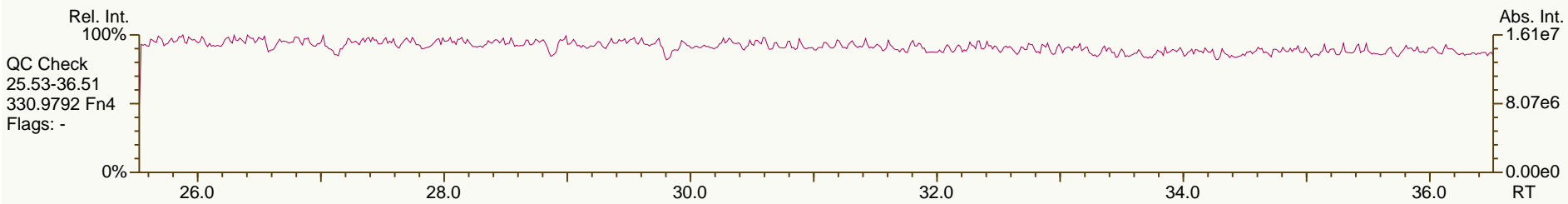
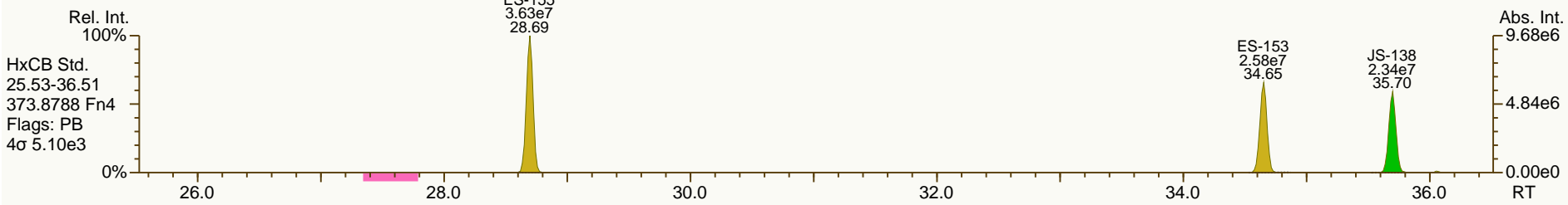
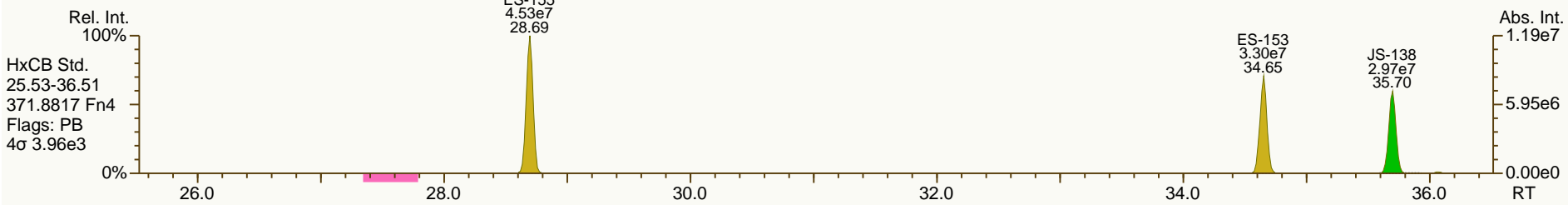
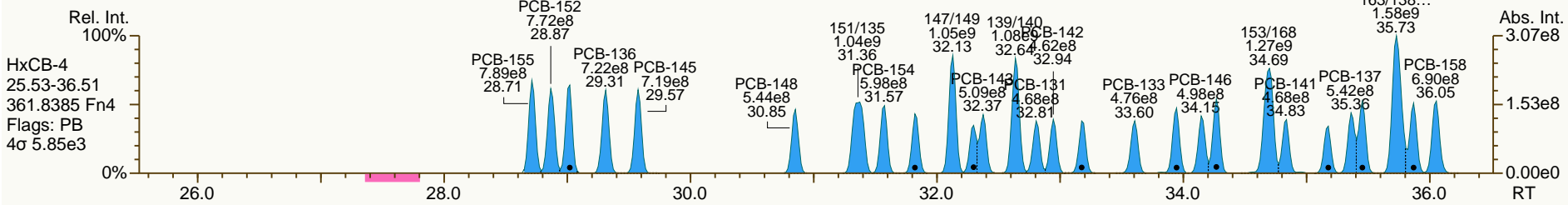
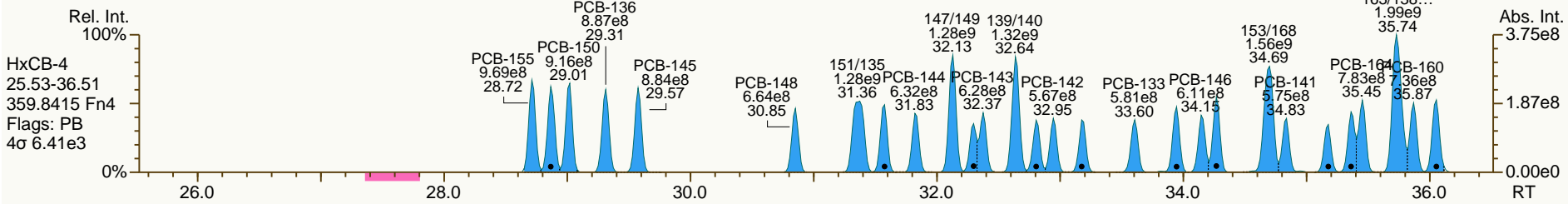
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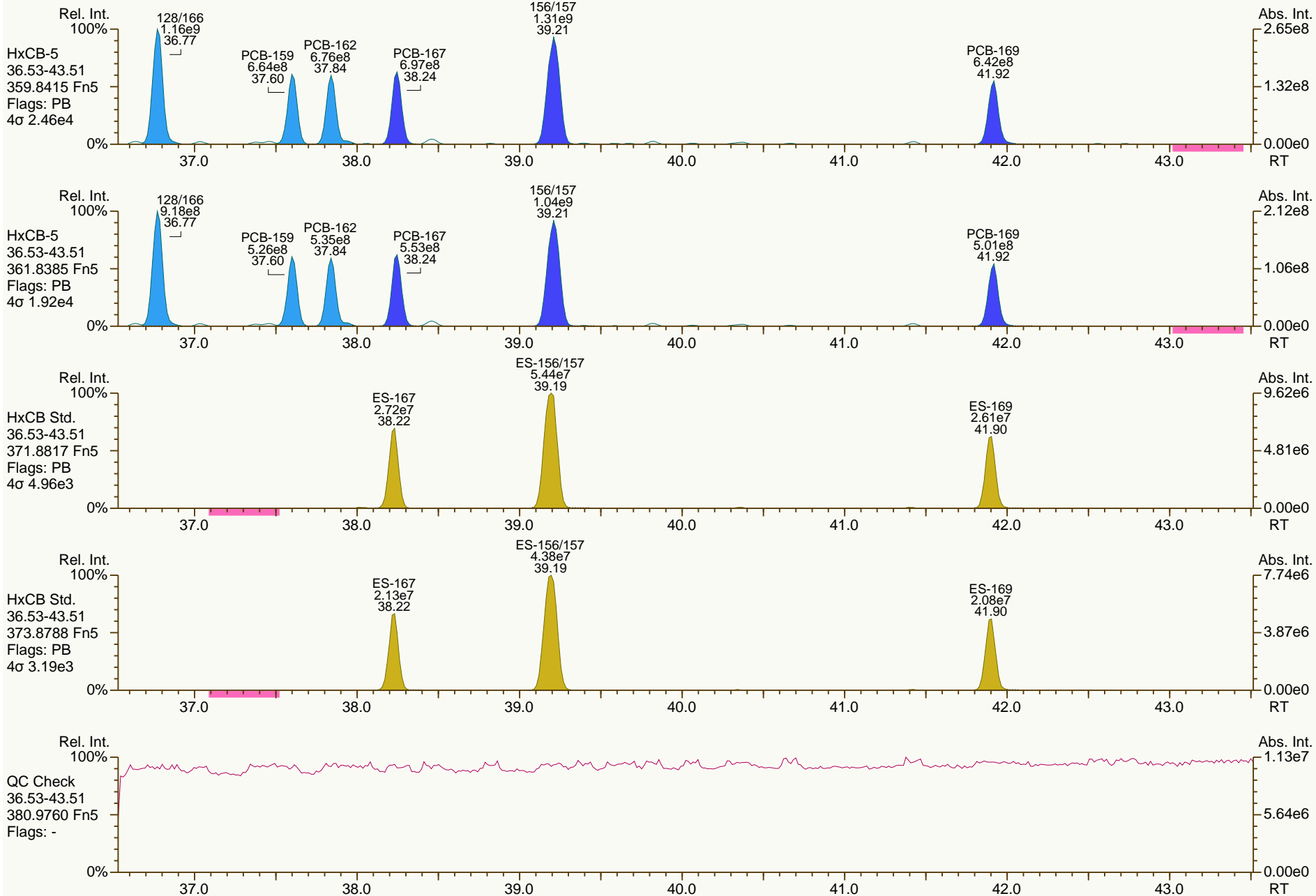
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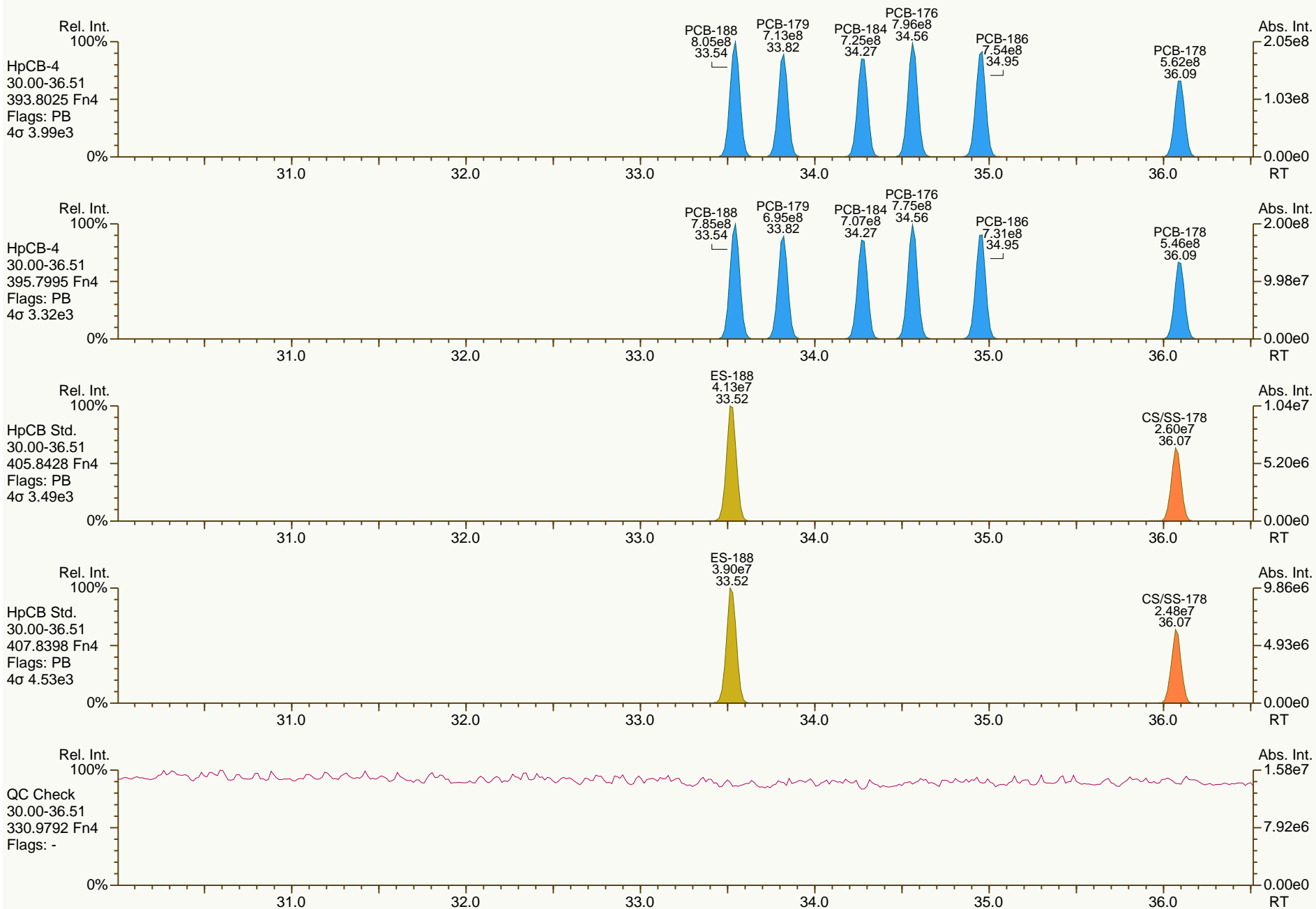
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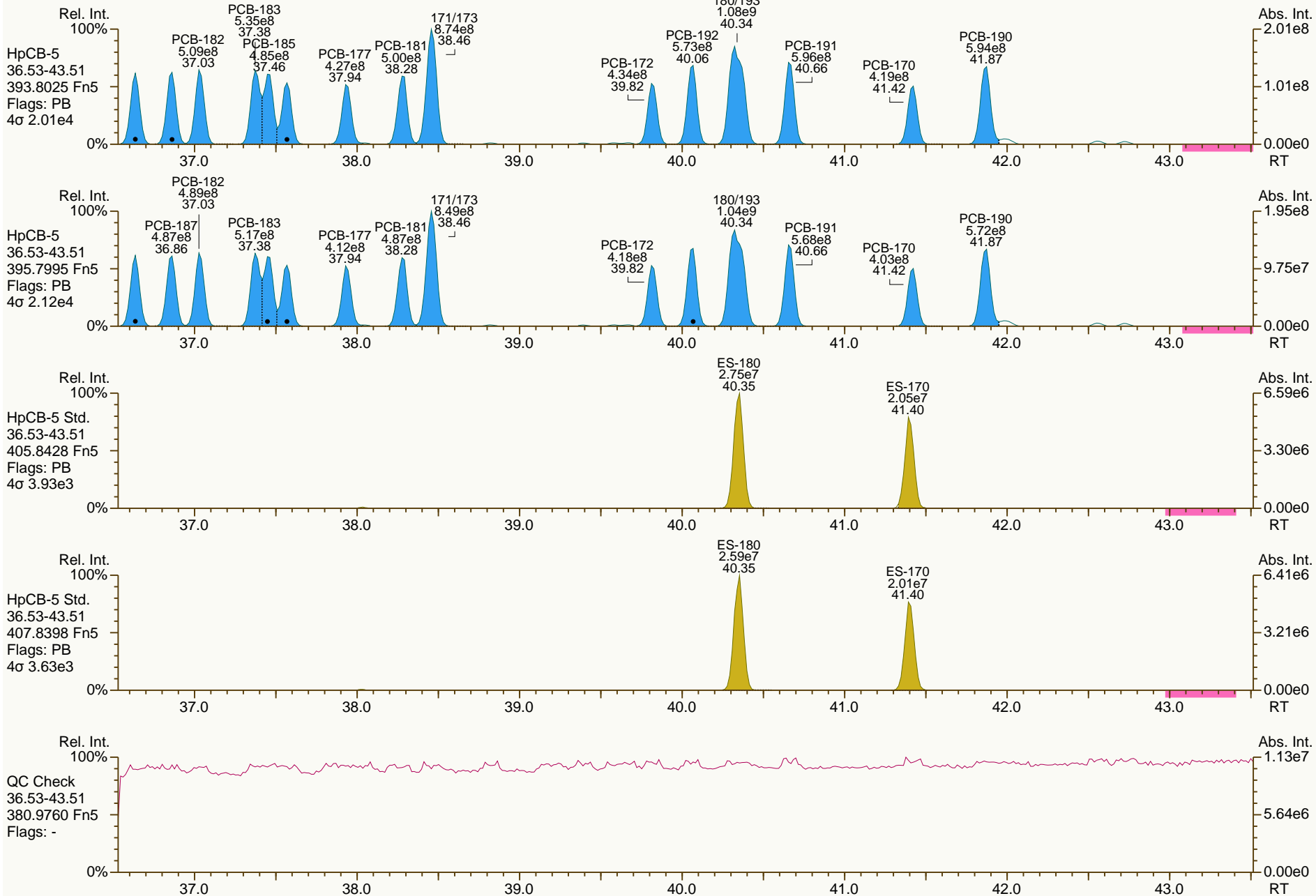
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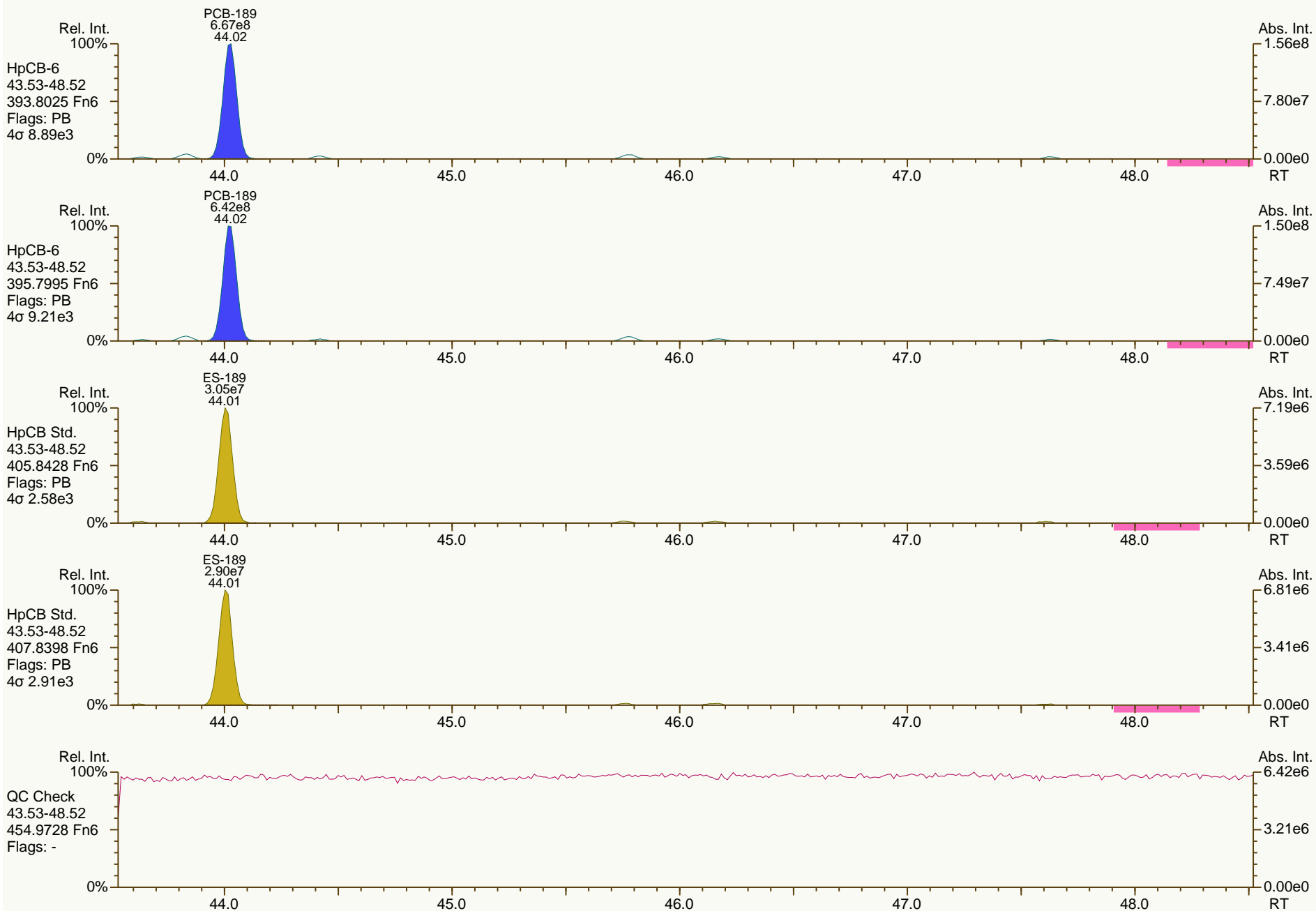
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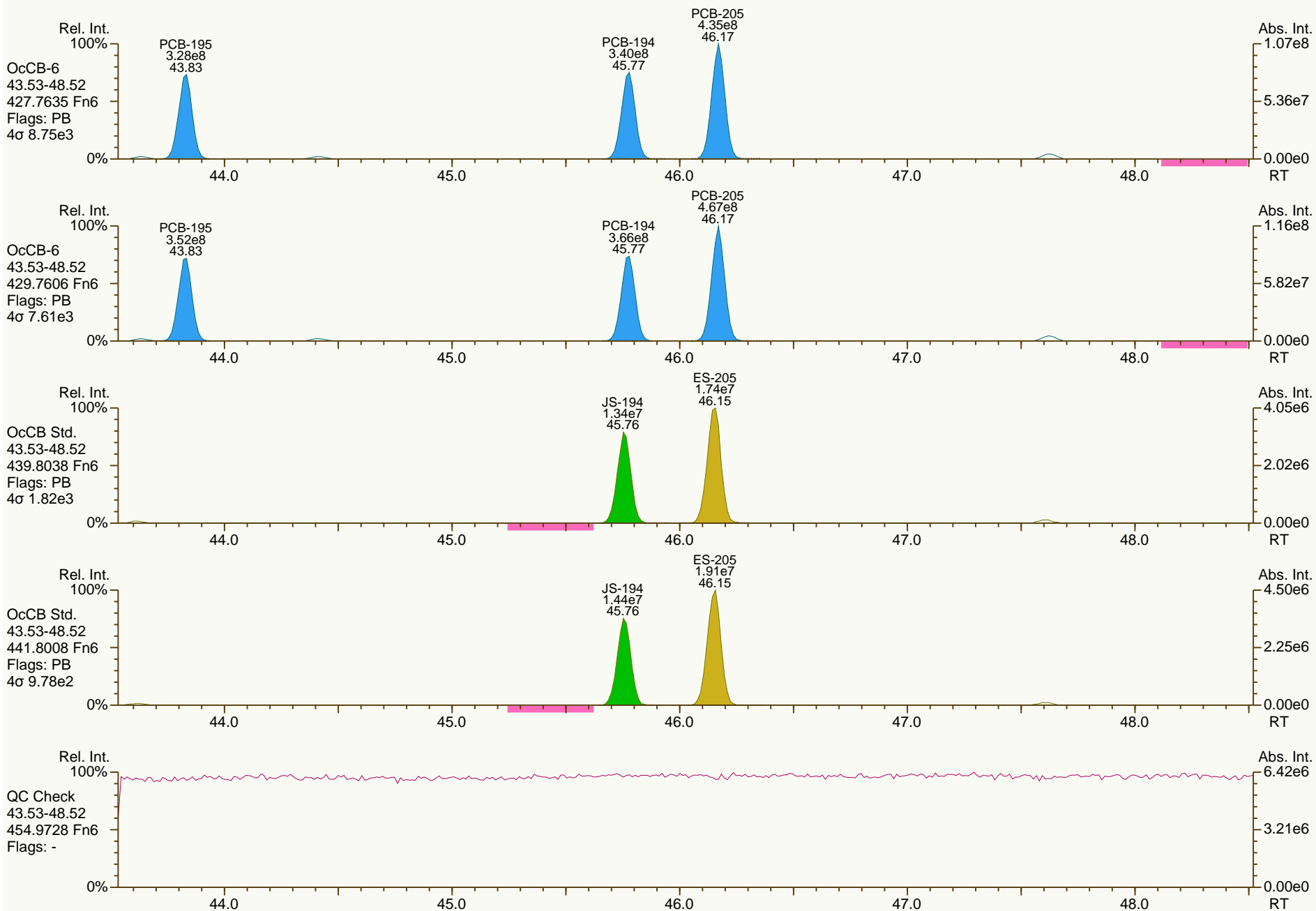
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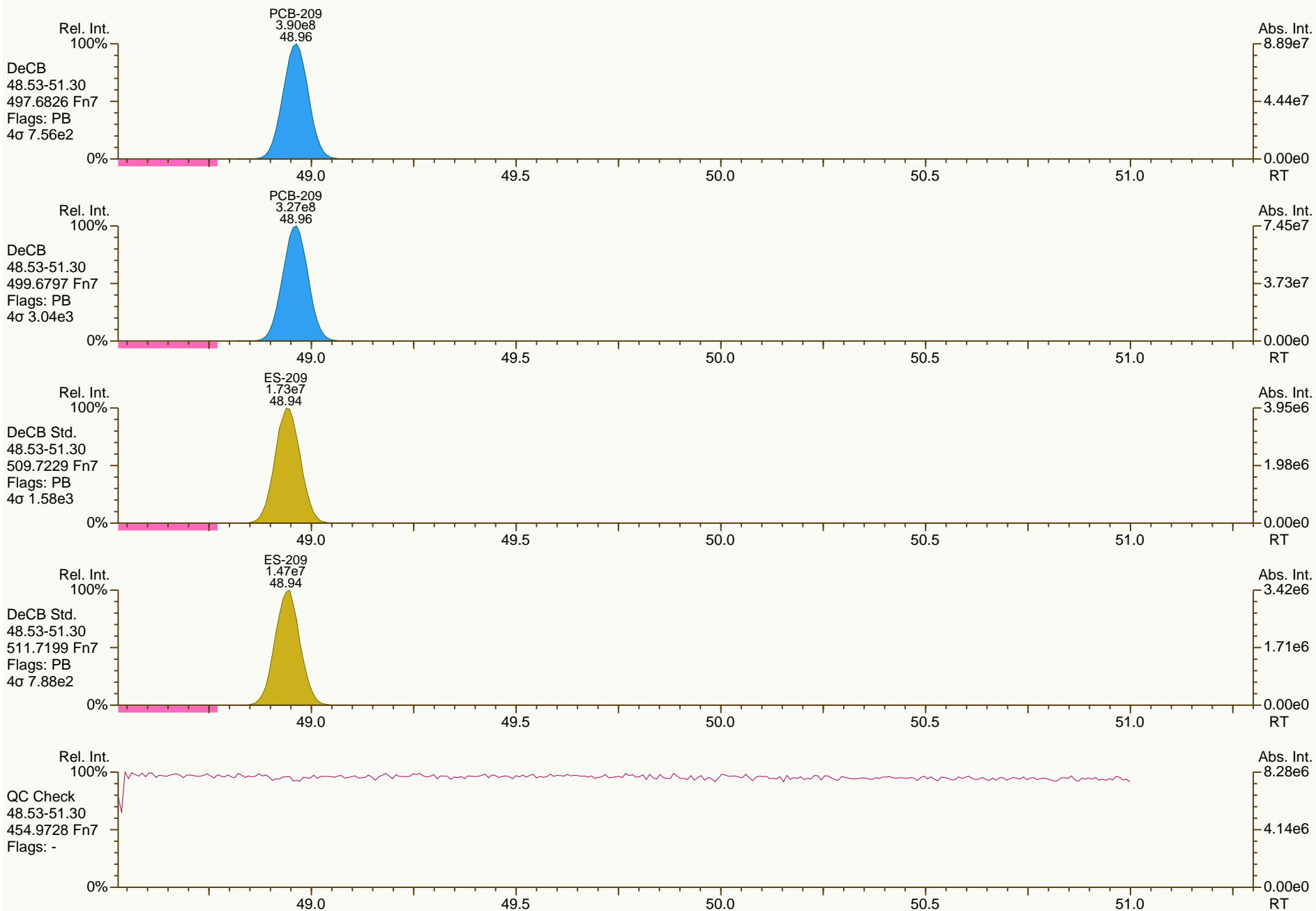
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Experiment Calibration Report

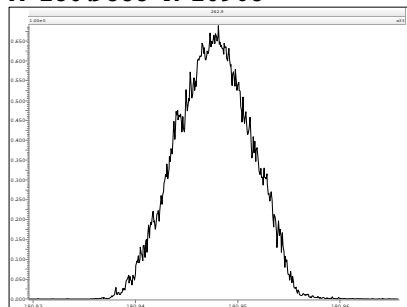
MassLynx 4.1

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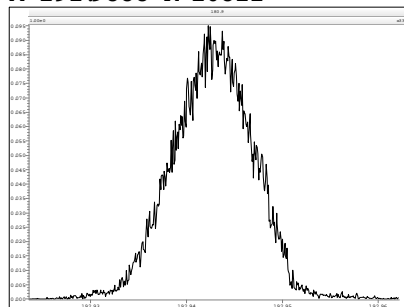
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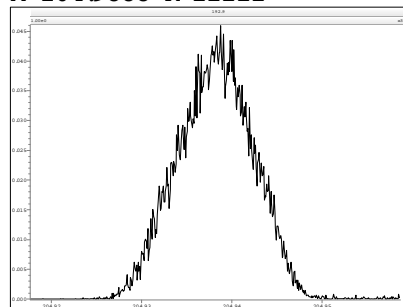
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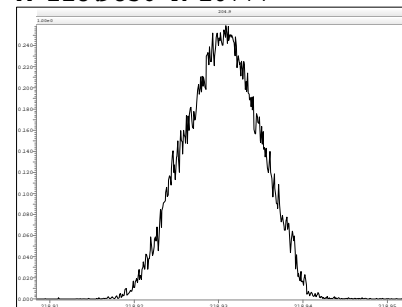
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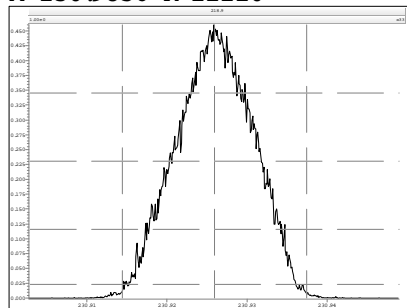
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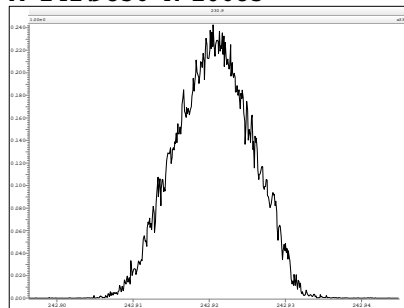
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M 230.9856 R 11110



M 242.9856 R 10683



Experiment Calibration Report

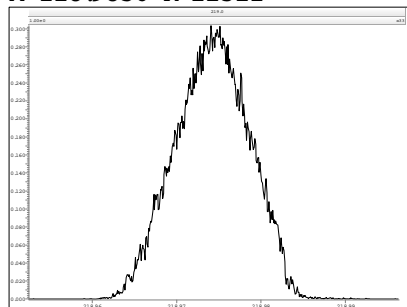
MassLynx 4.1

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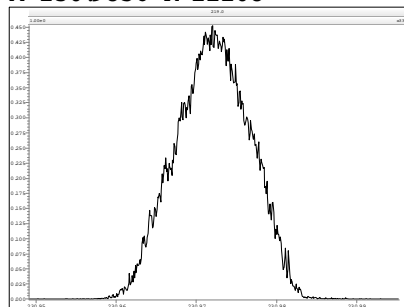
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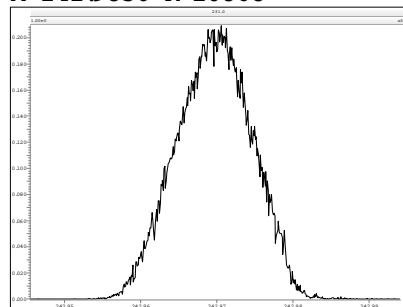
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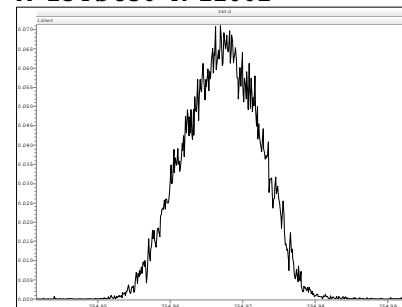
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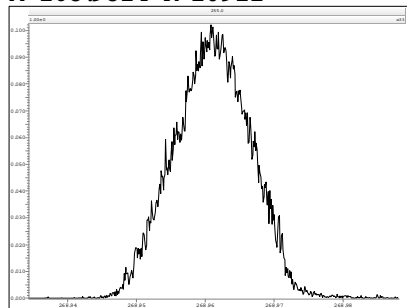
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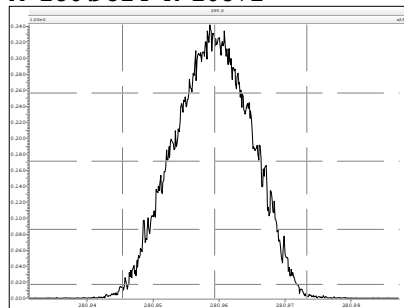
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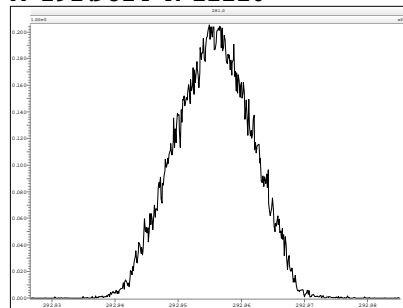
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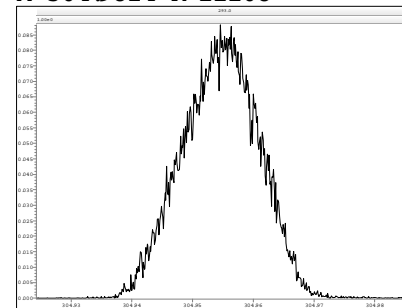
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M 292.9824 R 11110



M 304.9824 R 11108



Experiment Calibration Report

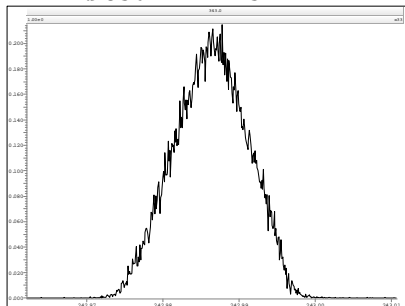
MassLynx 4.1

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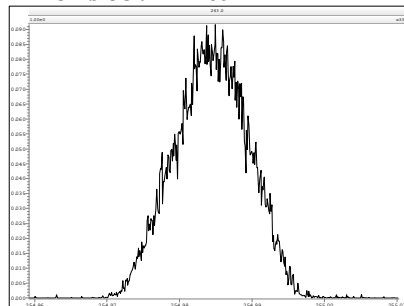
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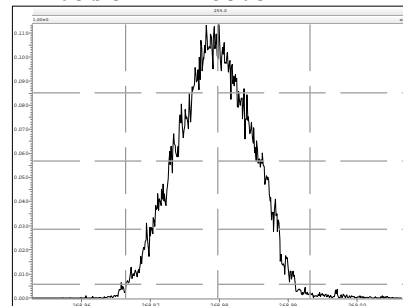
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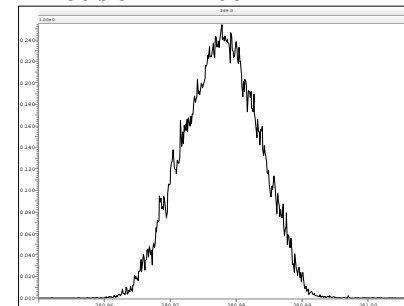
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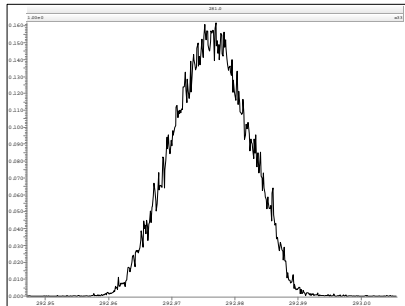
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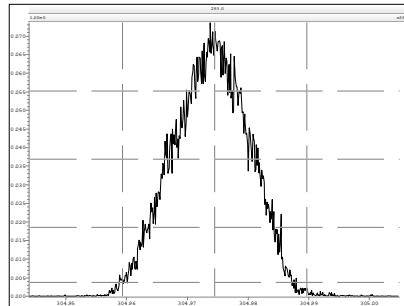
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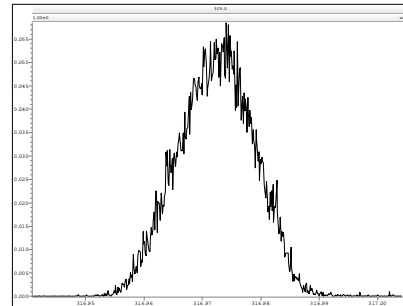
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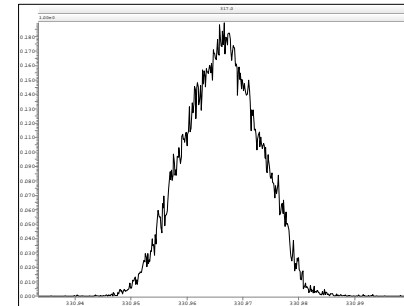
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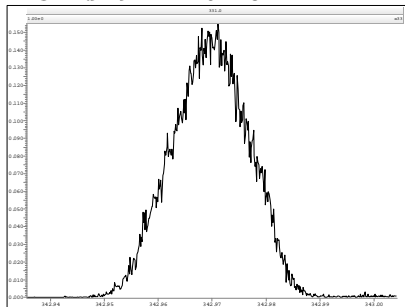
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M 330.9792 R 11160



M 342.9792 R 10728



Experiment Calibration Report

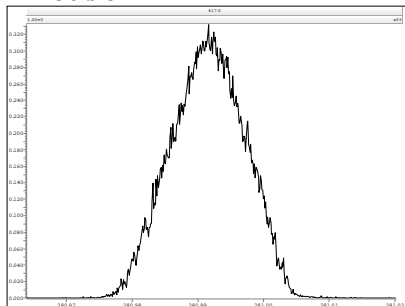
MassLynx 4.1

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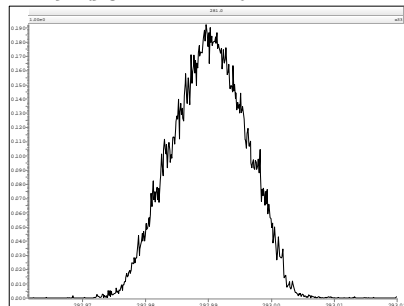
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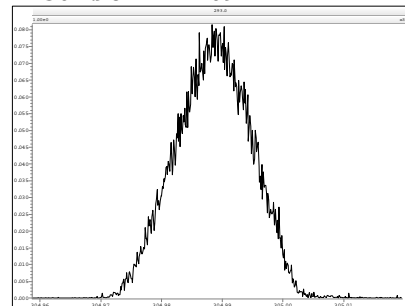
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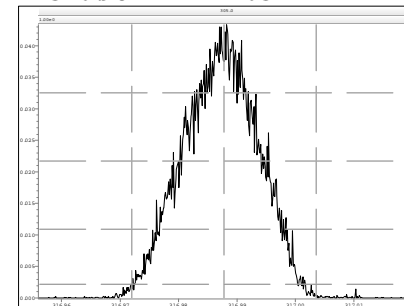
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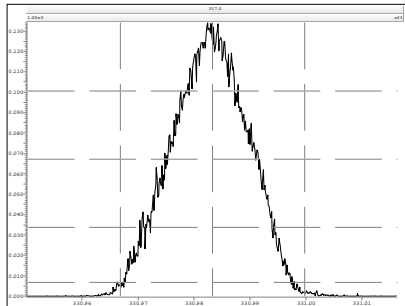
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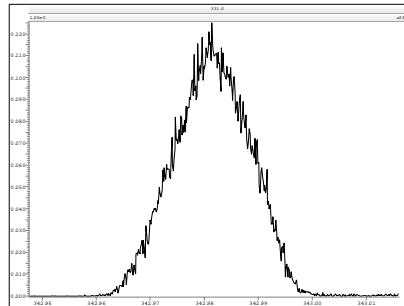
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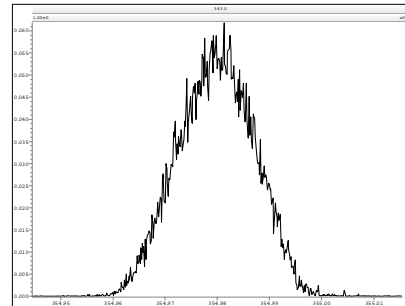
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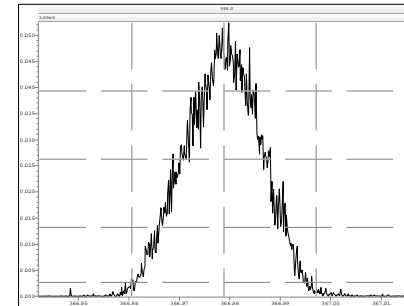
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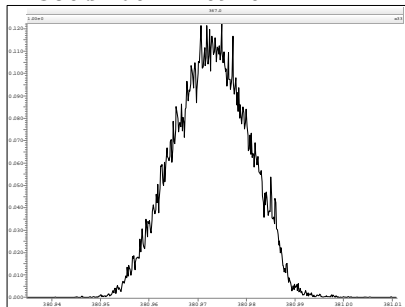
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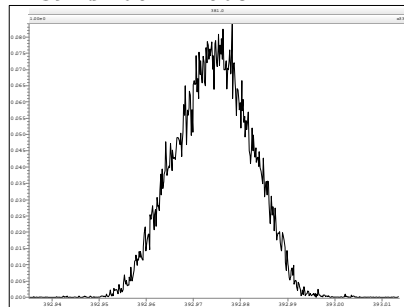
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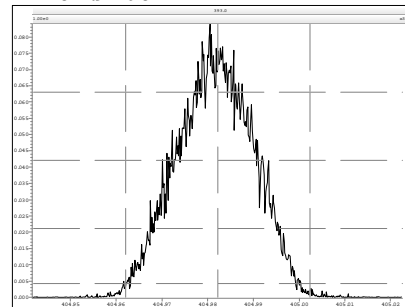
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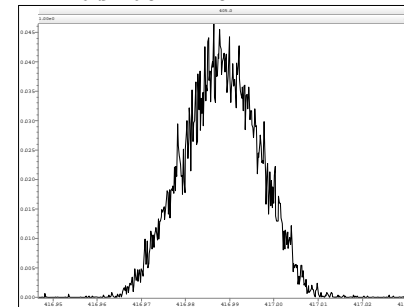
M 392.9760 R 10681



M 404.9760 R 11111



M 416.9760 R 10774



Experiment Calibration Report

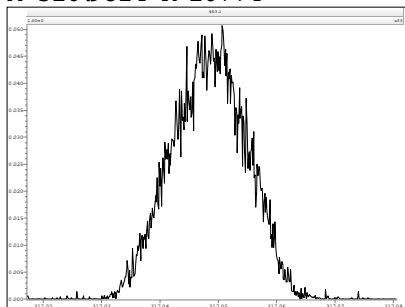
MassLynx 4.1

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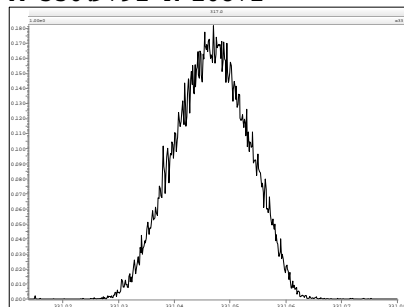
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Printed: Wednesday, January 25, 2012 18:40:27 Eastern Standard Time

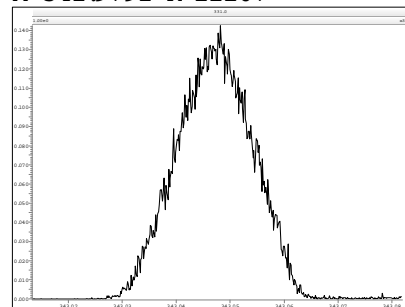
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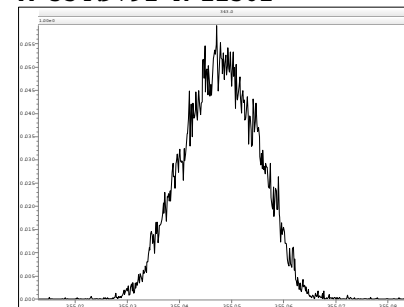
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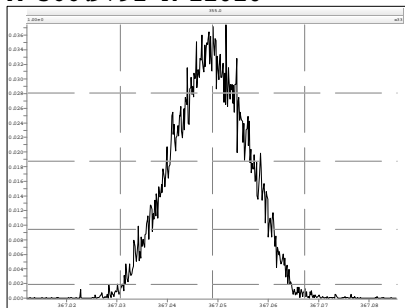
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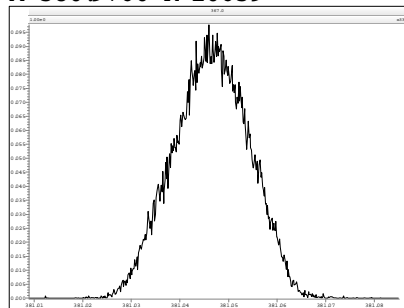
M 354.9792 R 11362



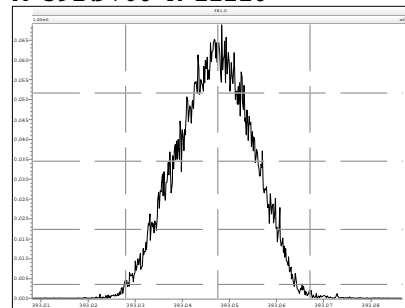
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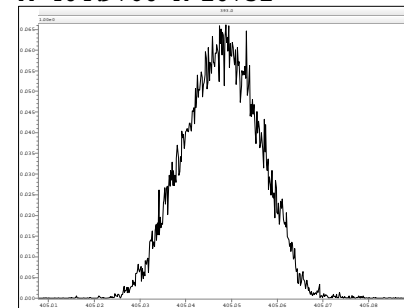
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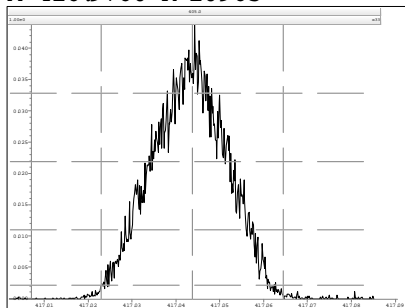
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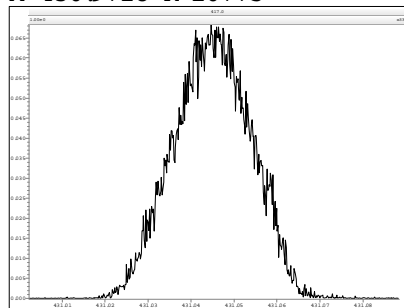
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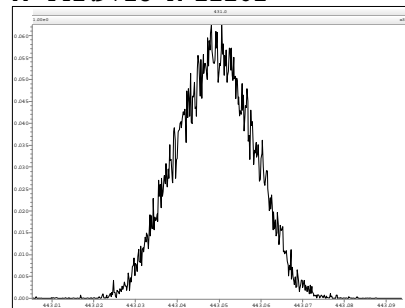
M 416.9760 R 10965



M 430.9728 R 10775



M 442.9728 R 11162



Experiment Calibration Report

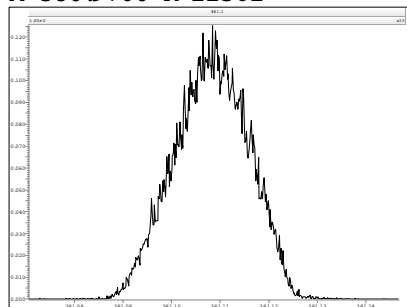
MassLynx 4.1

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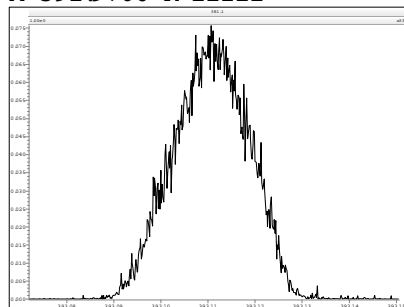
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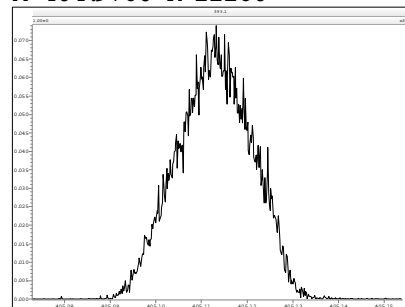
M 380.9760 R 11361



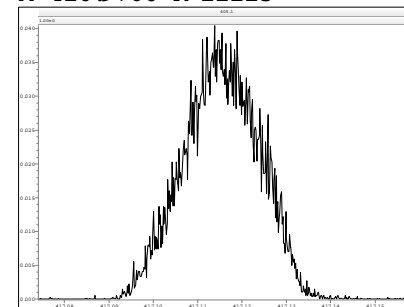
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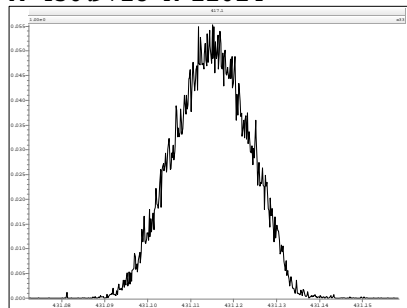
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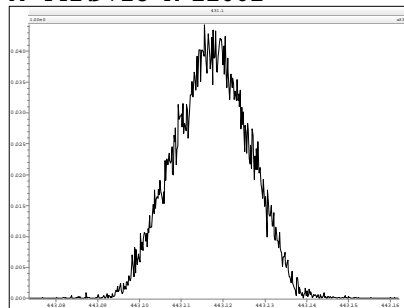
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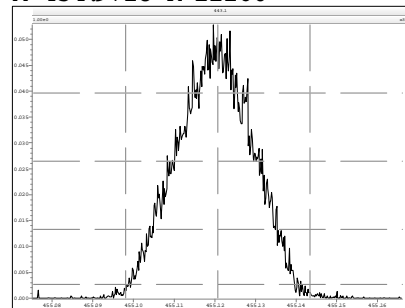
M 430.9728 R 11014



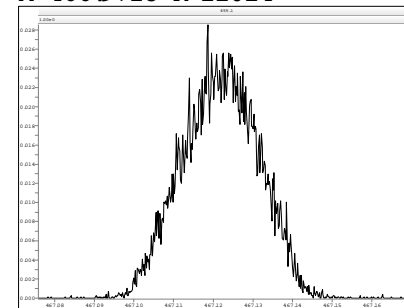
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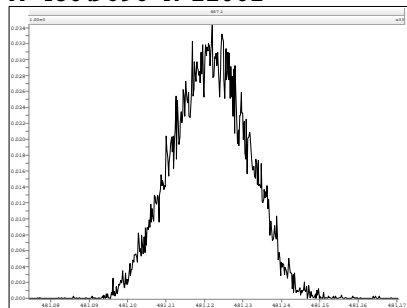
M 454.9728 R 11260



M 466.9728 R 11014



M 480.9696 R 11062



Experiment Calibration Report

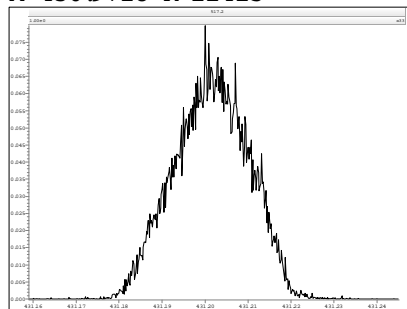
MassLynx 4.1

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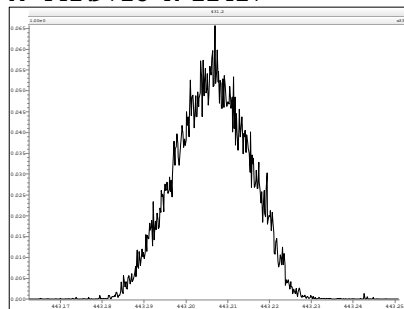
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Printed: Wednesday, January 25, 2012 18:41:27 Eastern Standard Time

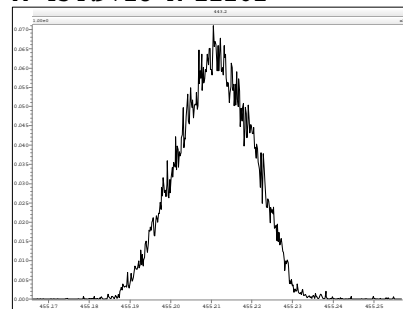
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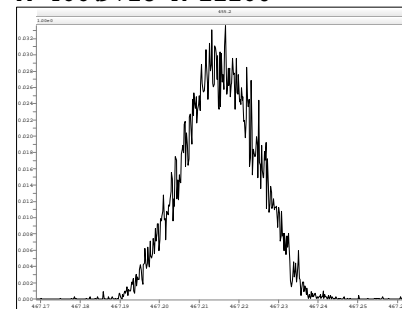
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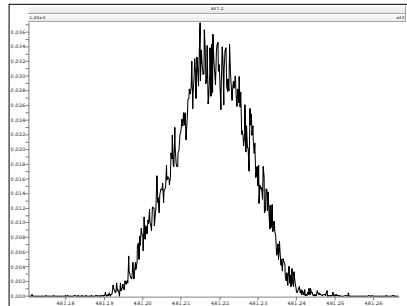
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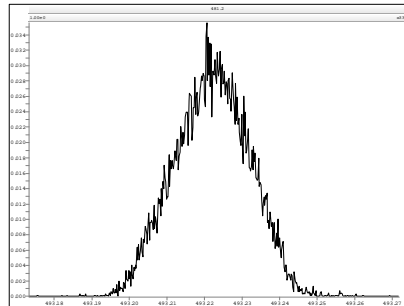
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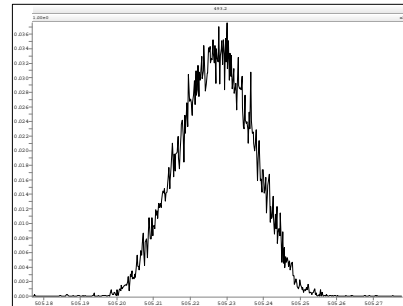
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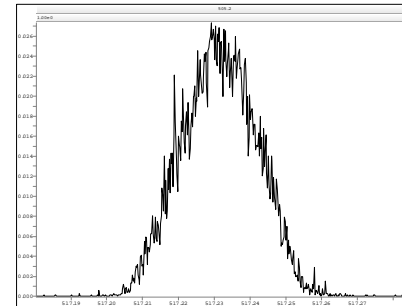
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M 504.9696 R 11013



M 516.9697 R 11519

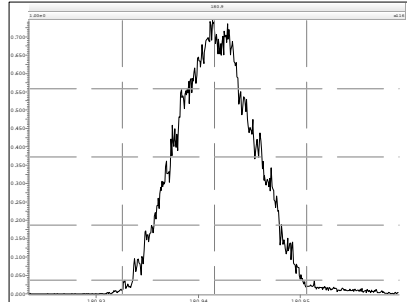


Resolution Check Report

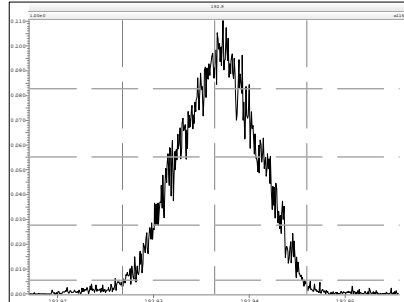
MassLynx 4.1

Printed: Thursday, January 26, 2012 01:14:41 Eastern Standard Time

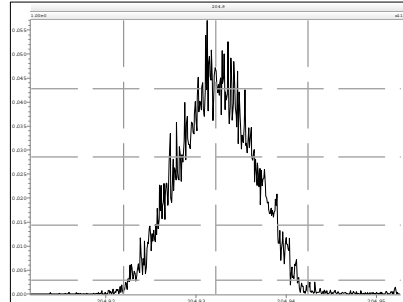
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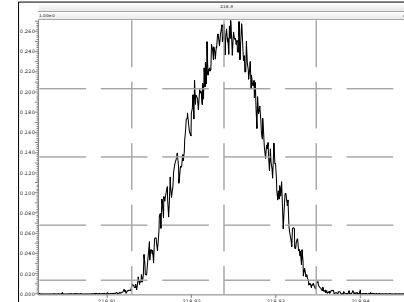
M 192.9888 R 11086



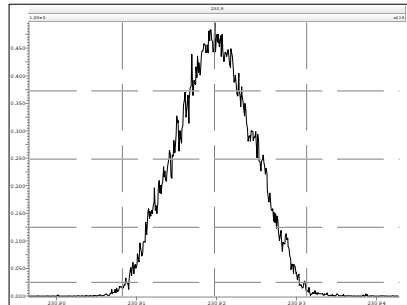
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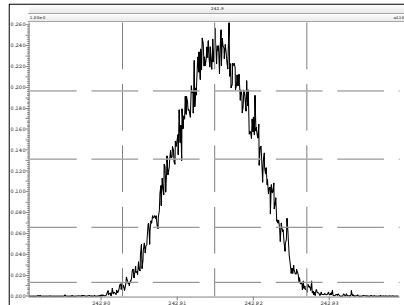
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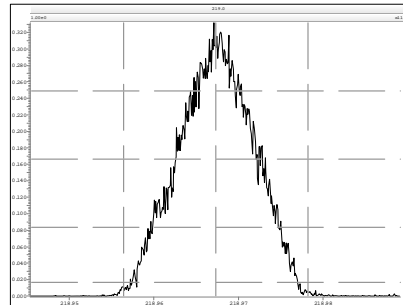
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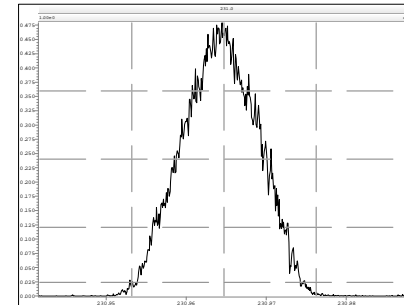
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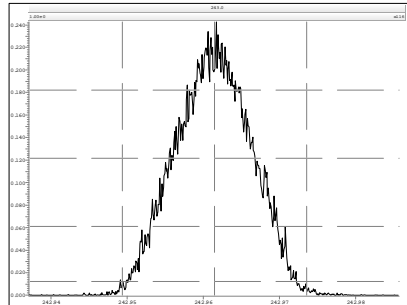
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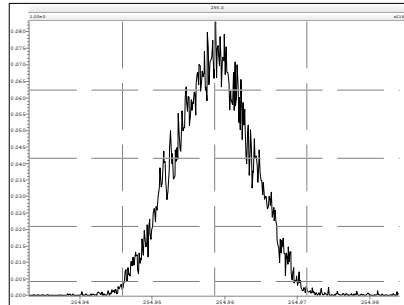
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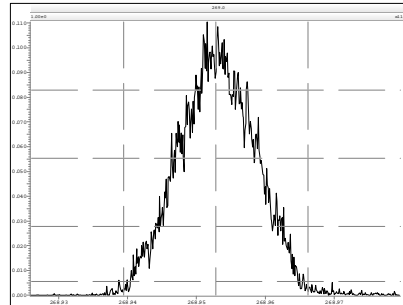
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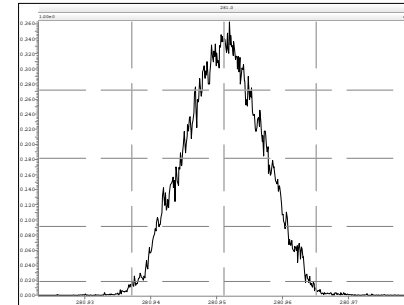
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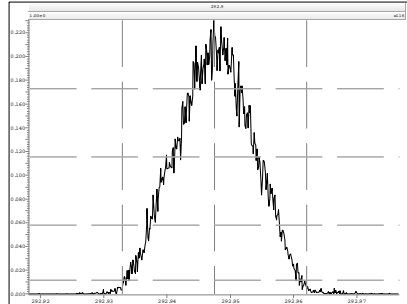
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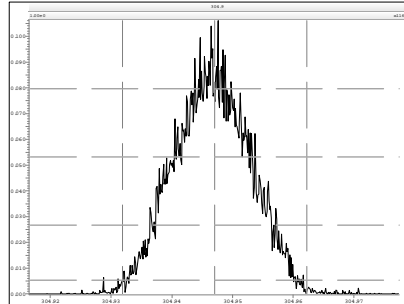
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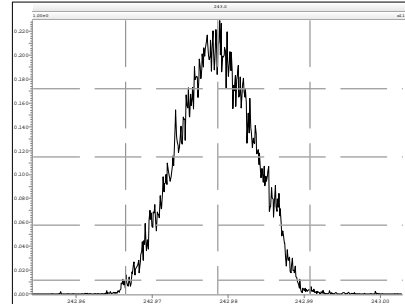
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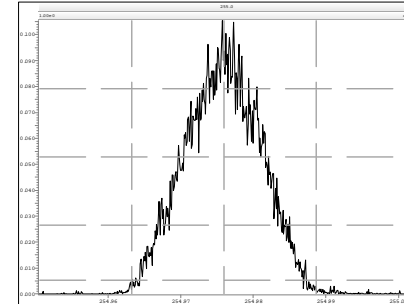
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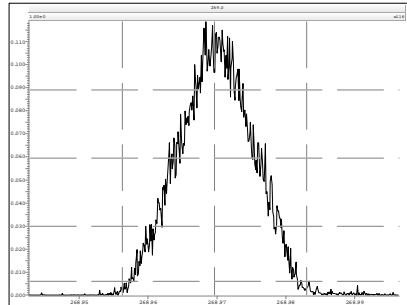
M 242.9856 R 11186



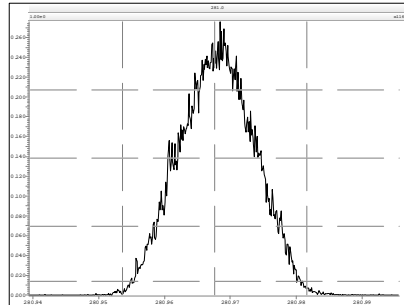
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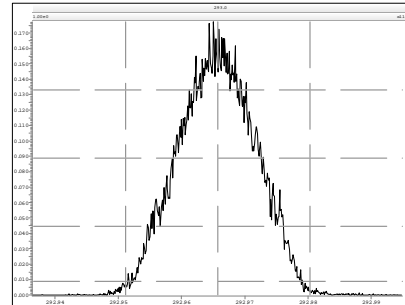
M 268.9824 R 11086



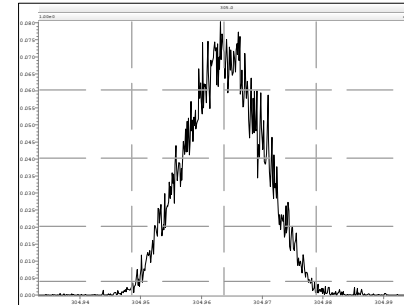
M 280.9824 R 10730



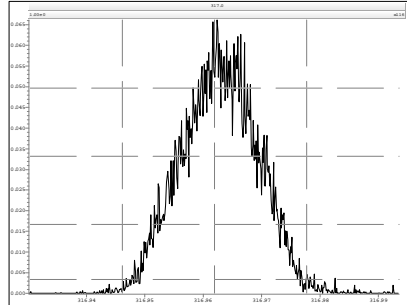
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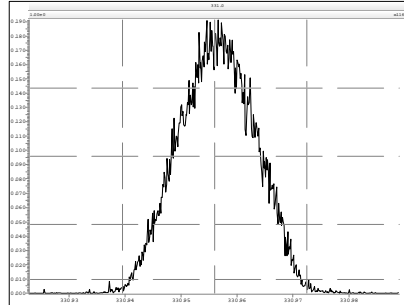
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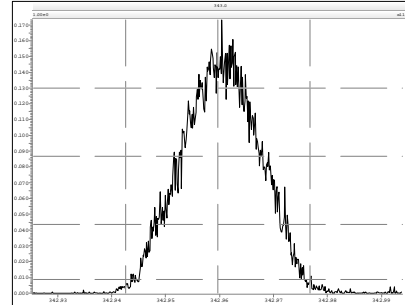
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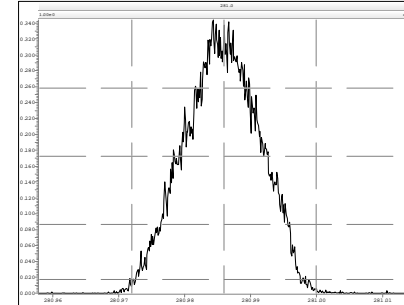
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M 342.9792 R 10663



M 280.9824 R 11236



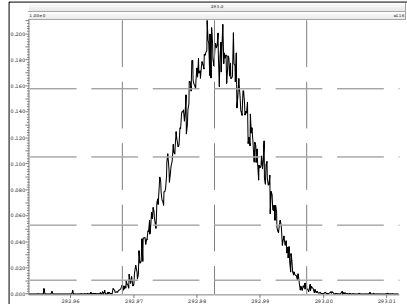
Resolution Check Report

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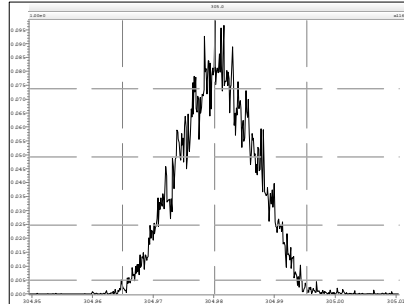
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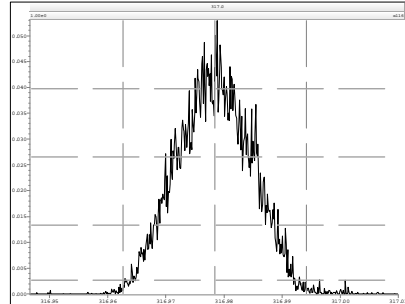
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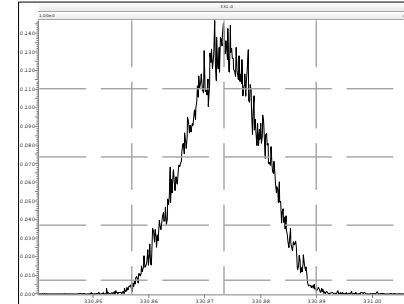
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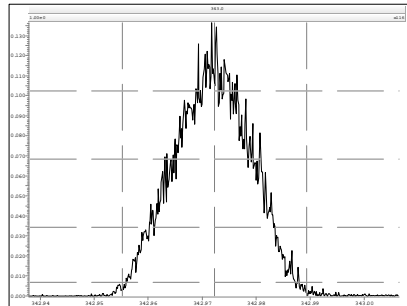
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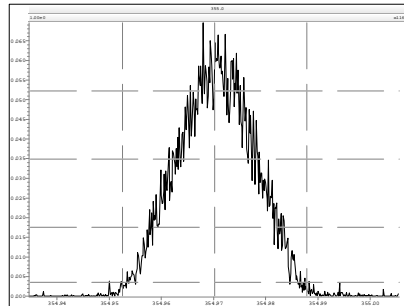
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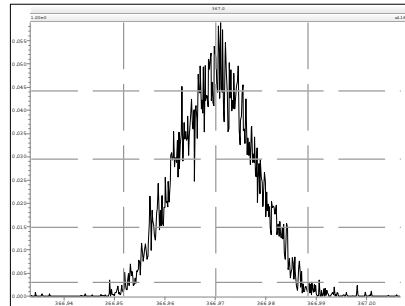
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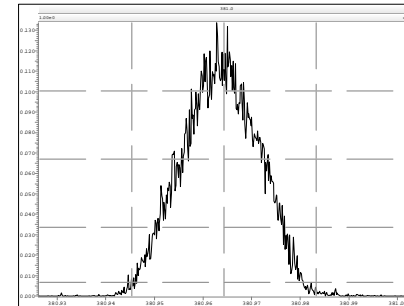
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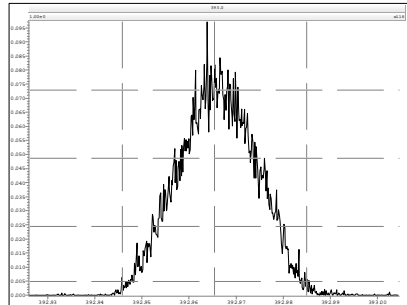
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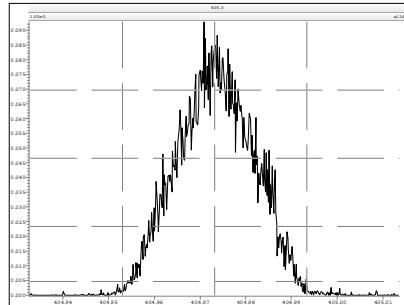
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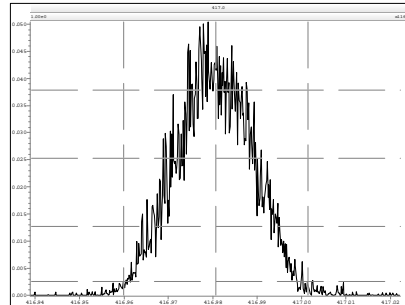
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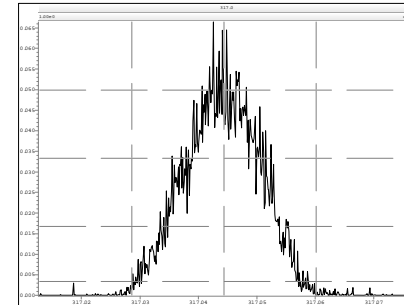
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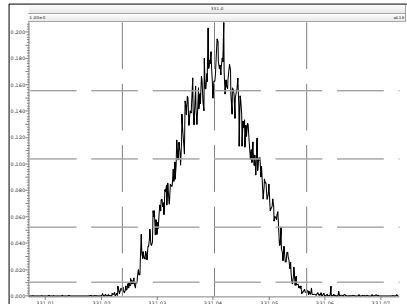
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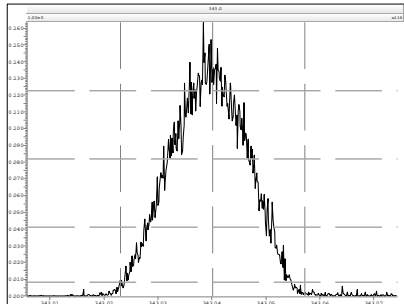
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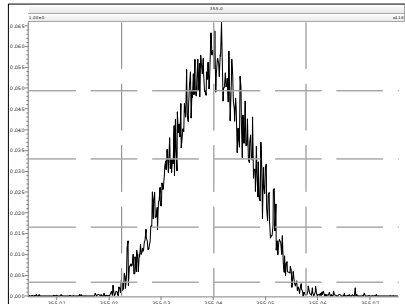
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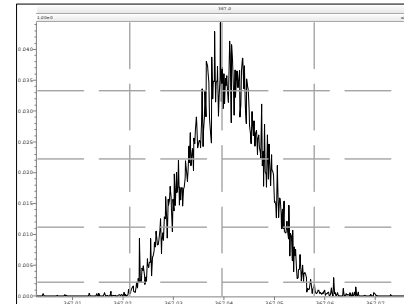
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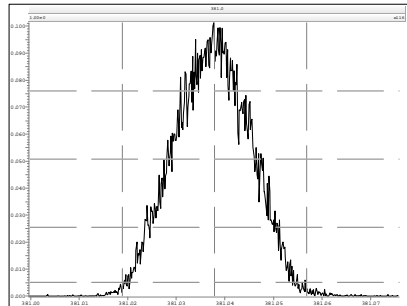
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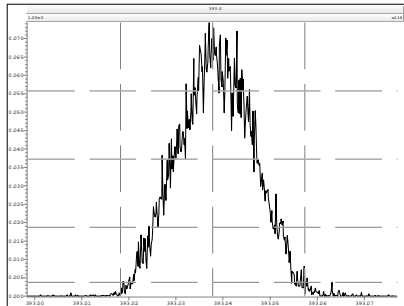
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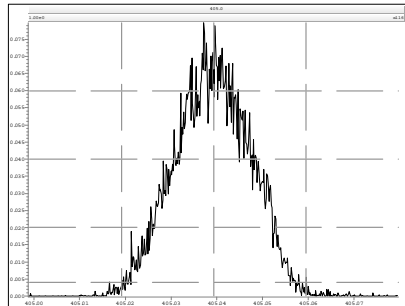
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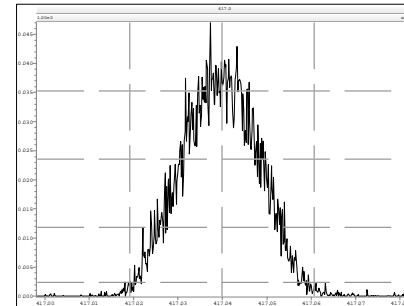
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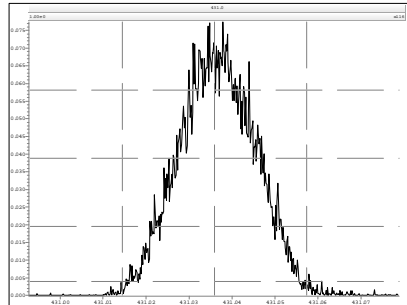
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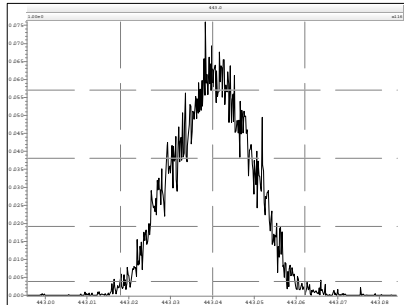
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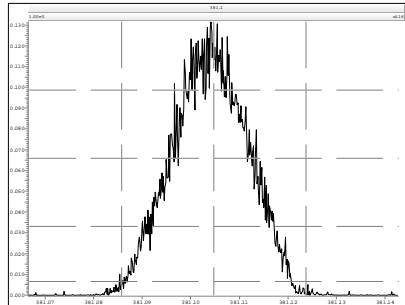
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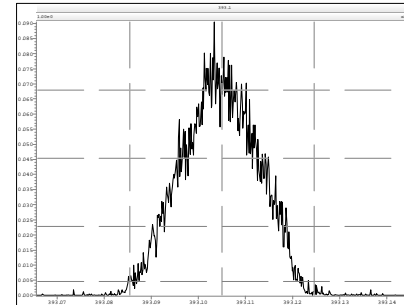
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M 380.9760 R 11112



M 392.9760 R 11266

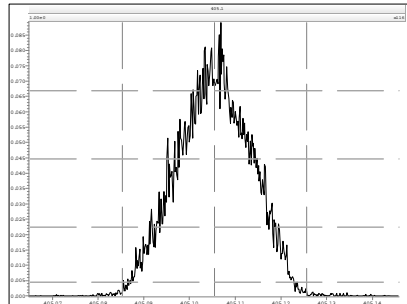


Resolution Check Report

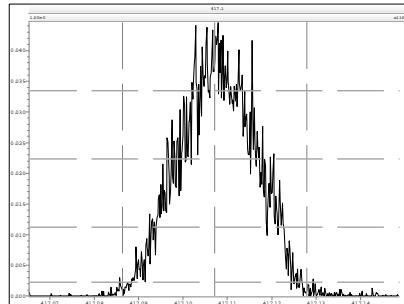
MassLynx 4.1

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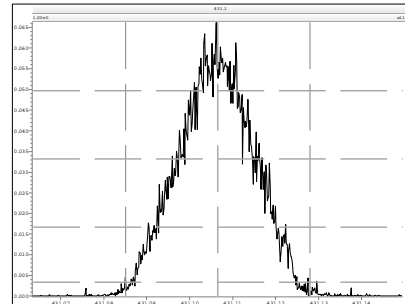
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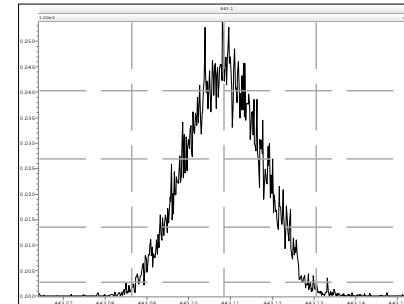
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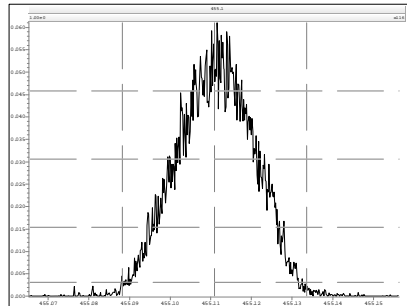
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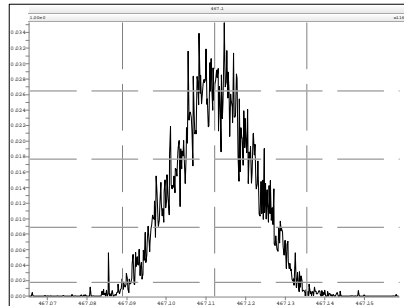
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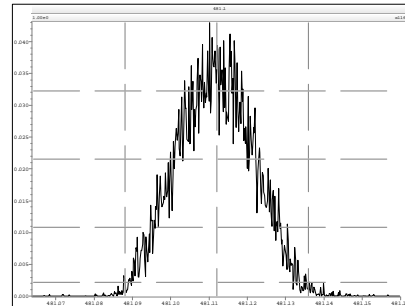
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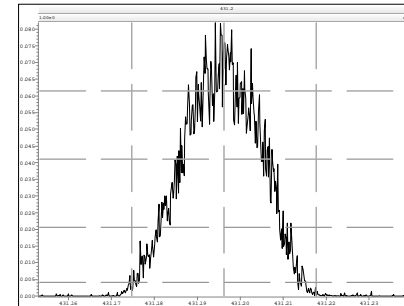
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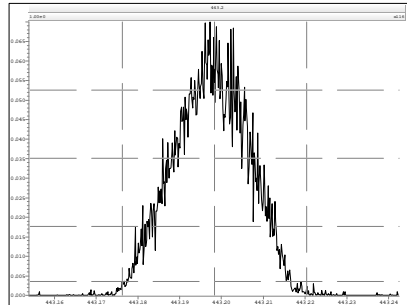
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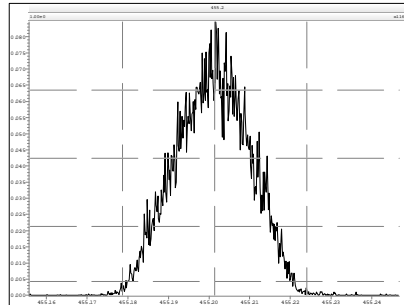
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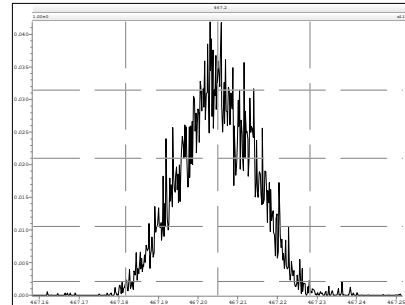
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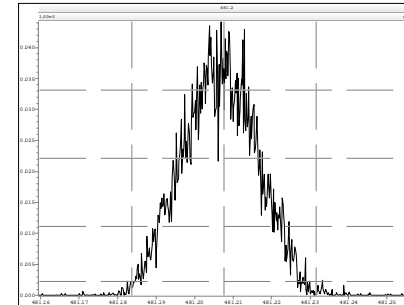
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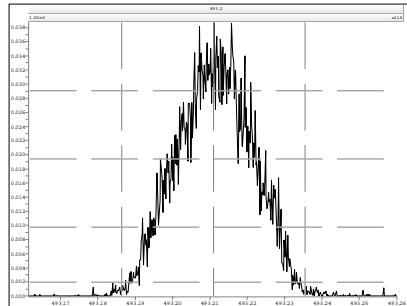


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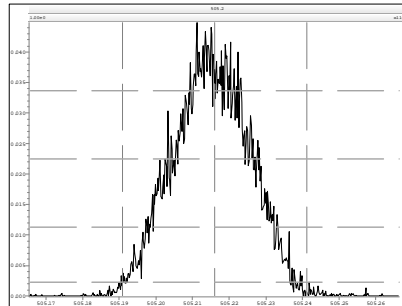


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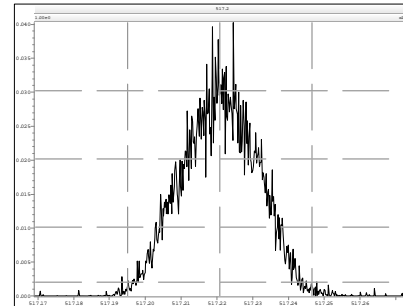
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M 504.9696 R 11137



M 516.9697 R 11242



REVIEWED*By Todd Vilen at 12:05 pm, Jul 08, 2012***METHOD 1668B****PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_01102012_25JAN12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 120703V18 Analysis Date: 03-JUL-2012 20:03:41
 Lab ID: OPR_9894_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)			OK
PCB-1 2-MoCB	25	125	71	-	132	Y
PCB-3 4-MoCB	25	131	72	-	123	N
PCB-4 22'-DiCB	25	102	73	-	114	Y
PCB-15 44'-DiCB	25	95.8	76	-	116	Y
PCB-19 22'6-TrCB	25	95.8	79	-	109	Y
PCB-37 344'-TrCB	25	118	64	-	122	Y
PCB-54 22'66'-TeCB	25	99.2	76	-	114	Y
PCB-77 33'44'-TeCB	25	90.4	71	-	116	Y
PCB-81 344'5-TeCB	25	95	70	-	116	Y
PCB-104 22'466'-PeCB	25	92	74	-	117	Y
PCB-105 233'44'-PeCB	25	82.7	73	-	117	Y
PCB-114 2344'5-PeCB	25	76.9	74	-	113	Y
PCB-118 23'44'5-PeCB	25	91.4	81	-	112	Y
PCB-123 23'44'5'-PeCB	25	88.6	74	-	109	Y
PCB-126 33'44'5-PeCB	25	89	74	-	113	Y
PCB-155 22'44'66'-HxCB	25	93.7	79	-	112	Y
PCB-156/157 ...-HxCB	50	82.7	78	-	117	Y
PCB-167 23'44'55'-HxCB	25	76.7	79	-	107	N
PCB-169 33'44'55'-HxCB	25	76.3	73	-	108	Y
PCB-188 22'34'566'-HpCB	25	95.9	81	-	113	Y
PCB-189 233'44'55'-HpCB	25	89.8	77	-	114	Y
PCB-202 22'33'55'66'-OcCB	25	102	74	-	112	Y
PCB-205 233'44'55'6-OcCB	25	86.9	79	-	115	Y
PCB-206 22'33'44'55'6-NoCB	25	95.1	76	-	115	Y
PCB-208 22'33'455'66'-NoCB	25	85.4	77	-	116	Y
PCB-209 DeCB	25	96.4	71	-	116	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668B. 11/08

METHOD 1668B

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_01102012_25JAN12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 120703V18 Analysis Date: 03-JUL-2012 20:03:41
 Lab ID: OPR_9894_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	49.8	2	-	100	Y
ES PCB-3	100	58.7	13	-	100	Y
ES PCB-4	100	58.5	18	-	100	Y
ES PCB-15	100	78.8	10	-	118	Y
ES PCB-19	100	70.3	10	-	106	Y
ES PCB-37	100	77.6	24	-	128	Y
ES PCB-54	100	58.4	16	-	111	Y
ES PCB-77	100	113	43	-	105	N
ES PCB-81	100	119	44	-	102	N
ES PCB-104	100	47.7	30	-	115	Y
ES PCB-105	100	89.7	52	-	116	Y
ES PCB-114	100	76.3	39	-	117	Y
ES PCB-118	100	80.7	51	-	117	Y
ES PCB-123	100	74.7	52	-	118	Y
ES PCB-126	100	87.3	54	-	113	Y
ES PCB-153	100	-	40	-	120	-
ES PCB-155	100	81.7	40	-	121	Y
ES PCB-156/157	200	101	46	-	115	Y
ES PCB-167	100	115	63	-	115	Y
ES PCB-169	100	86	51	-	117	Y
ES PCB-170	100	-	40	-	120	-
ES PCB-180	100	-	40	-	120	-
ES PCB-188	100	68.4	33	-	121	Y
ES PCB-189	100	104	55	-	112	Y
ES PCB-202	100	88.5	33	-	136	Y
ES PCB-205	100	84.2	61	-	103	Y
ES PCB-206	100	73.3	51	-	107	Y
ES PCB-208	100	101	48	-	111	Y
ES PCB-209	100	68.5	52	-	111	Y
CLEANUP STANDARDS						
CS PCB-28	100	76.1	18	-	131	Y
CS PCB-111	100	85.8	64	-	113	Y
CS PCB-178	100	78.2	62	-	133	Y

Processed: 04 Jul 2012 13:46 Analyst: CM

Lab ID: OPR_9894_PCB

ACQ: 03-Jul-2012 20:03:41 CEM

Wt/Vol: 1 µL

ICAL: MM6_PCB_01102012_25JAN12 CS3_120703_PCB_VB

Client ID: OPR #75625

UTP: 04-Jul-2012 10:35 CEM

J-level: 10 pg/µL Split: 1

Checkcode: 567-894-PHN

Datafile: 120703V18

RPT: 04-Jul-2012 13:46 CM

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method 1668B

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.20		1.0007	1.0006	-0.2	8.99E+06	0.78	1.11	22.6	1.06E+04	0.265
PCB-81 344'5'-TeCB	30.73		1.0005	1.0006	+0.2	9.80E+06	0.74	1.13	23.7	1.06E+04	0.245
PCB-105 233'44'-PeCB	34.16		1.0007	1.0006	-0.2	5.77E+06	0.62	1.05	20.7	1.68E+03	0.061
PCB-114 2344'5'-PeCB	33.63		1.0007	1.0006	-0.2	5.29E+06	0.62	1.15	19.2	1.68E+03	0.0612
PCB-118 23'44'5'-PeCB	33.18		1.0008	1.0007	-0.2	6.14E+06	0.65	1.04	22.8	1.68E+03	0.0623
PCB-123 23'44'5'-PeCB	32.90		1.0006	1.0007	+0.2	5.53E+06	0.62	1.01	22.1	1.68E+03	0.0669
PCB-126 33'44'5'-PeCB	36.78		1.0005	1.0005	0	7.35E+06	0.61	1.06	22.3	2.41E+03	0.0743
PCB-156/157 ...-HxCB	39.33	C	1.0005	1.0005	0	1.10E+07	1.28	1.16	41.3	1.73E+03	0.089
PCB-167 23'44'55'-HxCB	38.36		1.0006	1.0005	-0.2	6.14E+06	1.27	1.24	19.2	1.73E+03	0.0528
PCB-169 33'44'55'-HxCB	42.06		1.0004	1.0004	0	4.12E+06	1.27	1.19	19.1	1.73E+03	0.0853
PCB-189 233'44'55'-HpCB	44.21		1.0004	1.0004	0	6.57E+06	1.06	1.05	22.5	2.14E+03	0.076
PCB-209 DeCB	49.29		1.0004	1.0004	0	2.71E+06	1.19	1.09	24.1	1.53E+03	0.145
ES PCB-1	10.96		0.7216	0.7214	-0.1	2.61E+07	3.38	1.02	49.8 %	2%	100%
ES PCB-3	13.08		0.8614	0.8612	-0.2	3.07E+07	3.51	1.02	58.7 %	13%	100%
ES PCB-4	13.31		0.8767	0.8765	-0.2	2.05E+07	1.65	0.68	58.5 %	18%	100%
ES PCB-15	18.76		1.2346	1.2349	+0.3	4.28E+07	1.69	1.06	78.8 %	10%	118%
ES PCB-19	16.23		1.0683	1.0683	0	1.78E+07	1.05	0.49	70.3 %	10%	106%
ES PCB-37	24.92		1.0817	1.0817	0	3.19E+07	1.13	1.51	77.6 %	24%	128%
ES PCB-54	19.02		0.8258	0.8255	-0.3	2.18E+07	0.77	1.37	58.4 %	16%	111%
ES PCB-77	31.18	V	1.3528	1.3532	+0.7	3.59E+07	0.82	1.17	113 %	43%	105%
ES PCB-81	30.71	V	1.3325	1.3328	+0.6	3.65E+07	0.85	1.13	119 %	44%	102%
ES PCB-104	23.88		0.8252	0.8250	-0.3	2.33E+07	1.59	1.90	47.7 %	30%	115%
ES PCB-105	34.14		1.1796	1.1798	+0.4	2.65E+07	1.53	1.15	89.7 %	52%	116%
ES PCB-114	33.61		1.1611	1.1613	+0.4	2.38E+07	1.52	1.22	76.3 %	39%	117%
ES PCB-118	33.16		1.1454	1.1456	+0.4	2.58E+07	1.58	1.24	80.7 %	51%	117%
ES PCB-123	32.88		1.1358	1.1360	+0.4	2.47E+07	1.48	1.29	74.7 %	52%	118%
ES PCB-126	36.76		1.2698	1.2701	+0.7	3.13E+07	1.62	1.40	87.3 %	54%	113%
ES PCB-153	-	-	-	-	-	-	-	-	-	-	-
ES PCB-155	28.77		0.8040	0.8039	-0.2	2.85E+07	1.33	1.45	81.7 %	40%	121%
ES PCB-156/157	39.31		1.0982	1.0983	+0.2	4.59E+07	1.26	0.94	101 %	46%	115%
ES PCB-167	38.34		1.0711	1.0712	+0.2	2.58E+07	1.26	0.93	115 %	63%	115%
ES PCB-169	42.04		1.1746	1.1748	+0.5	1.82E+07	1.24	0.88	86 %	51%	117%
ES PCB-170	-	-	-	-	-	-	-	-	-	-	-
ES PCB-180	-	-	-	-	-	-	-	-	-	-	-
ES PCB-188	33.61		0.7312	0.7309	-0.6	2.50E+07	1.04	1.52	68.4 %	33%	121%
ES PCB-189	44.19		0.9611	0.9611	0	2.78E+07	1.06	2.05	104 %	55%	112%
ES PCB-202	38.14		0.8297	0.8295	-0.5	2.58E+07	0.88	1.21	88.5 %	33%	136%
ES PCB-205	46.39		1.0088	1.0088	0	1.41E+07	0.91	1.28	84.2 %	61%	103%
ES PCB-206	47.88		1.0412	1.0412	0	1.07E+07	0.81	1.12	73.3 %	51%	107%
ES PCB-208	43.80		0.9525	0.9524	-0.3	1.93E+07	0.81	1.46	101 %	48%	111%
ES PCB-209	49.27		1.0713	1.0714	+0.3	1.03E+07	1.18	1.16	68.5 %	52%	111%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
CS/SS PCB-28	21.45		0.9310	0.9310	0	3.40E+07	1.13	1.09	97.9 %	18%	131%
CS/SS PCB-111	31.23	V	1.0789	1.0790	+0.2	2.65E+07	1.57	0.93	115 %	64%	113%
CS/SS PCB-178	36.18		1.0108	1.0109	+0.2	1.79E+07	1.10	0.63	114 %	62%	133%
CS PCB-28	21.45		0.9310	0.9310	0	3.40E+07	1.13	1.64	76.1 %	18%	131%
CS PCB-111	31.23		1.0789	1.0790	+0.2	2.65E+07	1.57	1.20	85.8 %	64%	113%
CS PCB-178	36.18		1.0108	1.0109	+0.2	1.79E+07	1.10	0.95	78.2 %	62%	133%

JS PCB-9	15.19					5.13E+07	1.61				
JS PCB-52	23.04					2.72E+07	0.77				
JS PCB-101	28.94					2.57E+07	1.53				
JS PCB-138	35.79					2.41E+07	1.26				
JS PCB-194	45.98					1.30E+07	0.90				

	Totals	NON-EMPC	EMPC	DL
	Mono-CBs	64	64	0.341
	Di-CBs	51.2	51.2	0.758
	Tri-CBs	53.4	53.4	0.417
	Tetra-CBs	71.6	71.6	0.232
	Penta-CBs	130	130	0.0651
	Hexa-CBs	103	103	0.0668
	Hepta-CBs	46.4	46.4	0.08
	Octa-CBs	47.3	47.3	0.0788
	Nona-CBs	45.1	45.1	0.466

PCB-1 2-MoCB	10.97		1.0011	1.0011	0	8.13E+06	3.13	1.00	31.3	1.53E+04	0.334
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00		1.31	ND	1.53E+04	0.256
PCB-3 4-MoCB	13.09		1.0010	1.0010	0	9.67E+06	3.06	0.96	32.7	1.53E+04	0.348
PCB-4 22'-DiCB	13.33		1.0011	1.0012	+0.1	4.32E+06	1.54	0.82	25.6	2.18E+04	0.914
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00		1.47	ND	2.18E+04	0.511
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.95	ND	2.82E+04	0.604
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00		1.10	ND	2.82E+04	0.521
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00		1.03	ND	2.82E+04	0.558
PCB-5 23-DiCB	NotFnd		1.0440	-		0.00E+00		1.04	ND	2.82E+04	0.553
PCB-8 24'-DiCB	NotFnd		1.0517	-		0.00E+00		1.04	ND	2.82E+04	0.551
PCB-14 35-DiCB	NotFnd		0.9315	-		0.00E+00		1.24	ND	2.82E+04	0.462
PCB-11 33'-DiCB	18.22	J	0.9713	0.9712	-0.1	7.37E+05	1.79	1.06	1.62	2.82E+04	0.54
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9861	-		0.00E+00		1.07	ND	2.82E+04	0.534
PCB-15 44'-DiCB	18.78		1.0008	1.0009	+0.1	9.78E+06	1.51	0.95	24	2.82E+04	0.602
PCB-19 22'6-TrCB	16.25		1.0011	1.0011	0	3.93E+06	1.05	0.92	23.9	1.04E+04	0.505
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.27	ND	1.04E+04	0.366
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.07	ND	1.04E+04	0.434
PCB-27 23'6-TrCB	NotFnd		1.1406	-		0.00E+00		1.46	ND	1.04E+04	0.317
PCB-24 236-TrCB	NotFnd		1.1484	-		0.00E+00		1.41	ND	1.04E+04	0.331
PCB-16 22'3-TrCB	NotFnd		1.1537	-		0.00E+00		0.82	ND	1.04E+04	0.57

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1827	-		0.00E+00		1.52	ND	1.04E+04	0.305
PCB-34 23'5'-TrCB	NotFnd		0.8155	-		0.00E+00		1.39	ND	1.21E+04	0.254
PCB-23 235-TrCB	NotFnd		0.8213	-		0.00E+00		1.44	ND	1.21E+04	0.246
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8324	-		0.00E+00		1.43	ND	1.21E+04	0.247
PCB-25 23'4-TrCB	NotFnd		0.8401	-		0.00E+00		1.44	ND	1.21E+04	0.245
PCB-31 24'5-TrCB	NotFnd		0.8509	-		0.00E+00		1.47	ND	1.21E+04	0.24
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8618	-		0.00E+00		1.42	ND	1.21E+04	0.25
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8687	-		0.00E+00		1.44	ND	1.21E+04	0.246
PCB-22 234'-TrCB	NotFnd		0.8834	-		0.00E+00		1.33	ND	1.21E+04	0.266
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.49	ND	1.21E+04	0.238
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.54	ND	1.21E+04	0.23
PCB-38 345-TrCB	NotFnd		0.9711	-		0.00E+00		1.38	ND	1.21E+04	0.257
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.36	ND	1.21E+04	0.26
PCB-37 344'-TrCB	24.94		1.0008	1.0007	-0.1	1.01E+07	1.06	1.07	29.5	1.21E+04	0.33
PCB-54 22'66'-TeCB	19.04		1.0010	1.0010	0	5.63E+06	0.81	1.04	24.8	4.79E+03	0.18
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9106	-		0.00E+00		0.60	ND	5.41E+03	0.234
PCB-45 22'36-TeCB	NotFnd		0.9351	-		0.00E+00		0.53	ND	5.41E+03	0.265
PCB-51 22'46'-TeCB	NotFnd		0.9384	-		0.00E+00		0.59	ND	5.41E+03	0.238
PCB-46 22'36'-TeCB	NotFnd		0.9469	-		0.00E+00		0.49	ND	5.41E+03	0.284
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.59	ND	5.41E+03	0.237
PCB-73 23'5'6-TeCB	NotFnd		1.0063	-		0.00E+00		0.77	ND	5.41E+03	0.183
PCB-43 22'35-TeCB	NotFnd		1.0101	-		0.00E+00		0.53	ND	5.41E+03	0.265
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		0.72	ND	5.41E+03	0.194
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.60	ND	5.41E+03	0.235
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.64	ND	5.41E+03	0.22
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0514	-		0.00E+00		0.81	ND	5.41E+03	0.174
PCB-42 22'34'-TeCB	NotFnd		1.0582	-		0.00E+00		0.55	ND	5.41E+03	0.257
PCB-41 22'34-TeCB	NotFnd		1.0722	-		0.00E+00		0.51	ND	5.41E+03	0.275
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0764	-		0.00E+00		0.60	ND	5.41E+03	0.233
PCB-64 234'6-TeCB	NotFnd		1.0850	-		0.00E+00		0.86	ND	5.41E+03	0.163
PCB-72 23'55'-TeCB	NotFnd		0.8379	-		0.00E+00		1.24	ND	1.06E+04	0.223
PCB-68 23'45'-TeCB	NotFnd		0.8461	-		0.00E+00		1.31	ND	1.06E+04	0.21
PCB-57 233'5-TeCB	NotFnd		0.8578	-		0.00E+00		1.18	ND	1.06E+04	0.234
PCB-58 233'5'-TeCB	NotFnd		0.8642	-		0.00E+00		1.21	ND	1.06E+04	0.228
PCB-67 23'45-TeCB	NotFnd		0.8692	-		0.00E+00		1.26	ND	1.06E+04	0.219
PCB-63 234'5-TeCB	NotFnd		0.8765	-		0.00E+00		1.28	ND	1.06E+04	0.216
PCB-61/70/74/76 ...-TeCB	27.20	J C	0.8856	0.8858	+0.3	2.11E+05	0.82	1.21	0.479	1.06E+04	0.229
PCB-66 23'44'-TeCB	NotFnd		0.8947	-		0.00E+00		1.12	ND	1.06E+04	0.246
PCB-55 233'4-TeCB	NotFnd		0.8992	-		0.00E+00		1.18	ND	1.06E+04	0.233
PCB-56 233'4'-TeCB	NotFnd		0.9132	-		0.00E+00		1.12	ND	1.06E+04	0.247
PCB-60 2344'-TeCB	NotFnd		0.9193	-		0.00E+00		1.17	ND	1.06E+04	0.236
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.32	ND	1.06E+04	0.21
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.34	ND	1.06E+04	0.206
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	1.06E+04	0.255
PCB-104 22'466'-PeCB	23.90		1.0009	1.0009	0	5.46E+06	0.62	1.02	23	1.72E+03	0.0648
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.72E+03	0.0679
PCB-103 22'45'6-PeCB	NotFnd		0.8946	-		0.00E+00		0.87	ND	1.68E+03	0.0774
PCB-94 22'356'-PeCB	NotFnd		0.9008	-		0.00E+00		0.76	ND	1.68E+03	0.0893

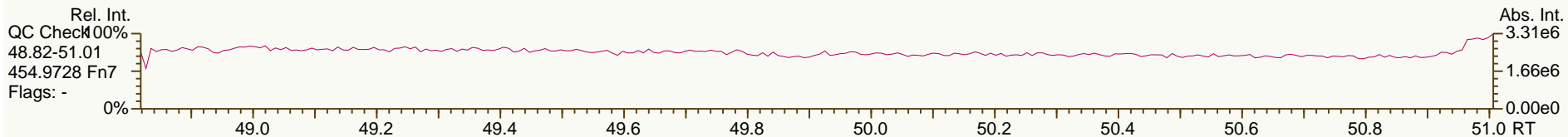
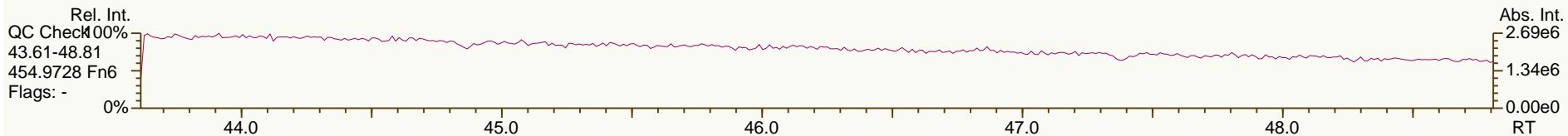
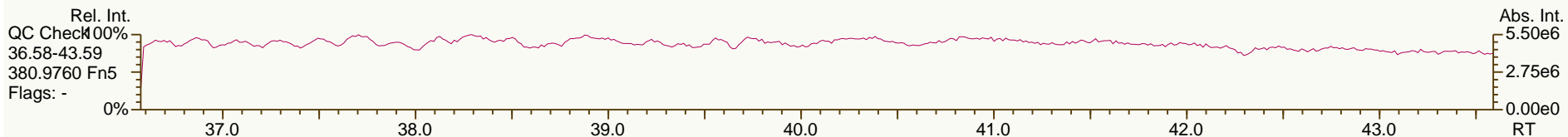
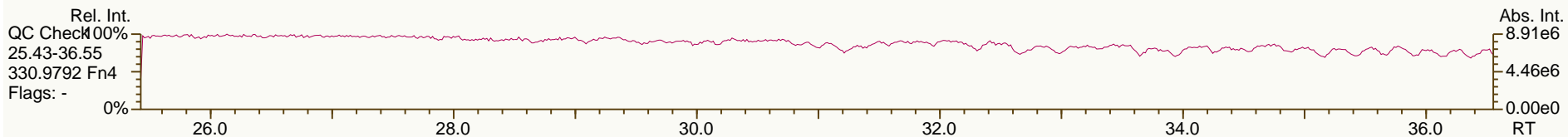
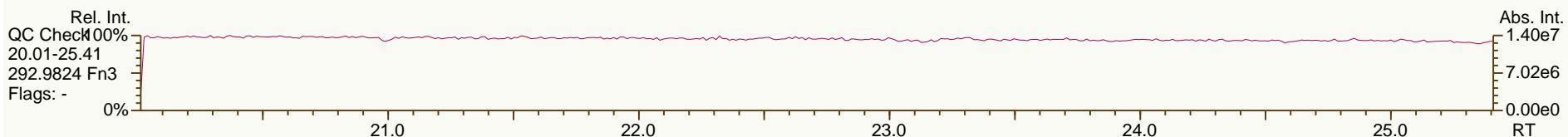
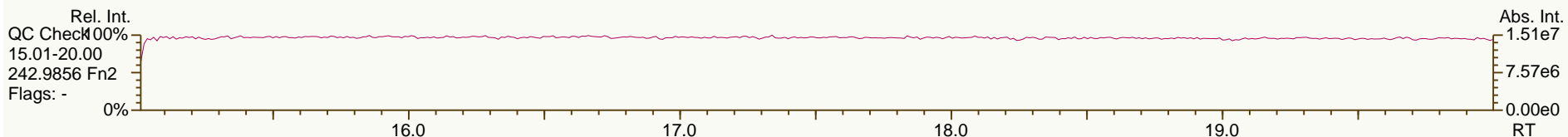
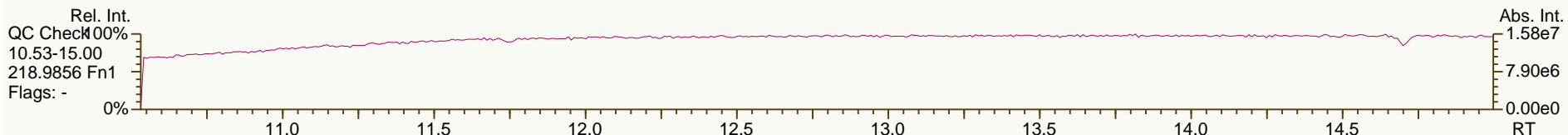
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PCB-95 22'35'6-PeCB	NotFnd		0.9137	-		0.00E+00		0.80	ND	1.68E+03	0.084
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9210	-		0.00E+00		0.81	ND	1.68E+03	0.0836
PCB-102 22'456'-PeCB	NotFnd		0.9247	-		0.00E+00		0.91	ND	1.68E+03	0.0745
PCB-98 22'34'6'-PeCB	NotFnd		0.9270	-		0.00E+00		0.76	ND	1.68E+03	0.0893
PCB-88 22'346-PeCB	NotFnd		0.9371	-		0.00E+00		0.75	ND	1.68E+03	0.0902
PCB-91 22'34'6-PeCB	NotFnd		0.9394	-		0.00E+00		0.87	ND	1.68E+03	0.0774
PCB-84 22'33'6-PeCB	NotFnd		0.9457	-		0.00E+00		0.70	ND	1.68E+03	0.0965
PCB-89 22'346'-PeCB	NotFnd		0.9599	-		0.00E+00		0.73	ND	1.68E+03	0.0928
PCB-121 23'45'6-PeCB	NotFnd		0.9728	-		0.00E+00		1.10	ND	1.68E+03	0.0612
PCB-92 22'355'-PeCB	NotFnd		0.9834	-		0.00E+00		0.77	ND	1.68E+03	0.0882
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9998	-		0.00E+00		0.91	ND	1.68E+03	0.0743
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.68	ND	1.68E+03	0.0996
PCB-99 22'44'5-PeCB	NotFnd		1.0180	-		0.00E+00		0.82	ND	1.68E+03	0.082
PCB-112 233'56-PeCB	NotFnd		1.0213	-		0.00E+00		1.07	ND	1.68E+03	0.063
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0330	-		0.00E+00		0.90	ND	1.68E+03	0.075
PCB-117 234'56-PeCB	NotFnd		1.0513	-		0.00E+00		0.99	ND	1.68E+03	0.0682
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0541	-		0.00E+00		0.92	ND	1.68E+03	0.0733
PCB-110 233'4'6-PeCB	NotFnd		1.0584	-		0.00E+00		0.98	ND	1.68E+03	0.0688
PCB-115 2344'6-PeCB	NotFnd		1.0613	-		0.00E+00		1.04	ND	1.68E+03	0.0646
PCB-82 22'33'4-PeCB	NotFnd		1.0677	-		0.00E+00		0.64	ND	1.68E+03	0.105
PCB-111 233'55'-PeCB	NotFnd		1.0796	-		0.00E+00		1.03	ND	1.68E+03	0.0658
PCB-120 23'455'-PeCB	NotFnd		1.0931	-		0.00E+00		1.09	ND	1.68E+03	0.0616
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.68E+03	0.0707
PCB-109 233'46-PeCB	NotFnd		0.9975	-		0.00E+00		1.05	ND	1.68E+03	0.0643
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		0.91	ND	1.68E+03	0.0743
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.01	ND	1.68E+03	0.0698
PCB-127 33'455'-PeCB	NotFnd		1.0373	-		0.00E+00		0.93	ND	1.68E+03	0.069
PCB-155 22'44'66'-HxCB	28.79		1.0008	1.0008	0	6.92E+06	1.23	1.04	23.4	1.23E+03	0.04
PCB-152 22'3566'-HxCB	NotFnd		1.0057	-		0.00E+00		1.03	ND	1.23E+03	0.04
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.01	ND	1.23E+03	0.0411
PCB-136 22'33'66'-HxCB	NotFnd		1.0209	-		0.00E+00		0.96	ND	1.23E+03	0.0432
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		0.97	ND	1.23E+03	0.0426
PCB-148 22'34'56'-HxCB	NotFnd		1.0750	-		0.00E+00		0.73	ND	1.23E+03	0.0566
PCB-151/135 ...-HxCB	NotFnd	C	1.0926	-		0.00E+00		0.71	ND	1.23E+03	0.0586
PCB-154 22'44'56'-HxCB	NotFnd		1.1001	-		0.00E+00		0.81	ND	1.23E+03	0.0508
PCB-144 22'345'6-HxCB	NotFnd		1.1089	-		0.00E+00		0.72	ND	1.23E+03	0.0576
PCB-147/149 ...-HxCB	NotFnd	C	1.1193	-		0.00E+00		0.74	ND	1.23E+03	0.0561
PCB-134 22'33'56-HxCB	NotFnd		1.1251	-		0.00E+00		0.63	ND	1.23E+03	0.0661
PCB-143 22'3456'-HxCB	NotFnd		1.1279	-		0.00E+00		0.67	ND	1.23E+03	0.0616
PCB-139/140 ...-HxCB	NotFnd	C	1.1372	-		0.00E+00		0.70	ND	1.23E+03	0.059
PCB-131 22'33'46-HxCB	NotFnd		1.1428	-		0.00E+00		0.62	ND	1.23E+03	0.0669
PCB-142 22'3456-HxCB	NotFnd		1.1477	-		0.00E+00		0.62	ND	1.23E+03	0.0669
PCB-132 22'33'46'-HxCB	NotFnd		1.1559	-		0.00E+00		0.63	ND	1.23E+03	0.0658
PCB-133 22'33'55'-HxCB	NotFnd		1.1710	-		0.00E+00		0.68	ND	1.23E+03	0.0612
PCB-165 233'55'6-HxCB	NotFnd		0.9510	-		0.00E+00		0.82	ND	1.23E+03	0.0505
PCB-146 22'34'55'-HxCB	NotFnd		0.9569	-		0.00E+00		0.72	ND	1.23E+03	0.0575
PCB-161 233'45'6-HxCB	NotFnd		0.9601	-		0.00E+00		0.91	ND	1.23E+03	0.0454
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00		0.85	ND	1.23E+03	0.0489

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9758	-		0.00E+00		0.68	ND	1.23E+03	0.0609
PCB-130 22'33'45'-HxCB	NotFnd		0.9853	-		0.00E+00		0.60	ND	1.23E+03	0.0689
PCB-137 22'344'5-HxCB	NotFnd		0.9908	-		0.00E+00		0.64	ND	1.23E+03	0.0651
PCB-164 233'4'5'6-HxCB	NotFnd		0.9931	-		0.00E+00		0.91	ND	1.23E+03	0.0455
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		0.71	ND	1.23E+03	0.0586
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		0.84	ND	1.23E+03	0.0493
PCB-158 233'44'6-HxCB	NotFnd		1.0101	-		0.00E+00		0.89	ND	1.23E+03	0.0465
PCB-128/166 ...-HxCB	36.88	J C	0.9619	0.9619	0	2.14E+04	1.08	0.93	0.0897	1.73E+03	0.0708
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.15	ND	1.73E+03	0.0571
PCB-162 233'4'55'-HxCB	NotFnd		0.9900	-		0.00E+00		1.08	ND	1.73E+03	0.0609
PCB-188 22'34'566'-HpCB	33.63		1.0006	1.0007	+0.2	5.66E+06	1.07	0.94	24	1.41E+03	0.0587
PCB-179 22'33'566'-HpCB	NotFnd		1.0086	-		0.00E+00		0.93	ND	1.41E+03	0.0598
PCB-184 22'344'66'-HpCB	NotFnd		1.0225	-		0.00E+00		0.96	ND	1.41E+03	0.0578
PCB-176 22'33'466'-HpCB	NotFnd		1.0309	-		0.00E+00		1.04	ND	1.41E+03	0.053
PCB-186 22'34566'-HpCB	NotFnd		1.0425	-		0.00E+00		0.99	ND	1.41E+03	0.0559
PCB-178 22'33'55'6-HpCB	NotFnd		1.0769	-		0.00E+00		0.72	ND	1.41E+03	0.077
PCB-175 22'33'45'6-HpCB	NotFnd		1.0929	-		0.00E+00		0.74	ND	1.74E+03	0.0927
PCB-187 22'34'55'6-HpCB	NotFnd		1.0998	-		0.00E+00		0.80	ND	1.74E+03	0.0858
PCB-182 22'344'56'-HpCB	NotFnd		1.1050	-		0.00E+00		0.82	ND	1.74E+03	0.0838
PCB-183 22'344'5'6-HpCB	NotFnd		1.1152	-		0.00E+00		0.82	ND	1.74E+03	0.0838
PCB-185 22'3455'6-HpCB	NotFnd		1.1174	-		0.00E+00		0.78	ND	1.74E+03	0.0881
PCB-174 22'33'456'-HpCB	NotFnd		1.1207	-		0.00E+00		0.72	ND	1.74E+03	0.0943
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1319	-		0.00E+00		0.62	ND	1.74E+03	0.11
PCB-181 22'344'56-HpCB	NotFnd		1.1422	-		0.00E+00		0.78	ND	1.74E+03	0.0874
PCB-171/173 ...-HpCB	NotFnd	C	1.1474	-		0.00E+00		0.67	ND	1.74E+03	0.102
PCB-172 22'33'455'-HpCB	NotFnd		0.9042	-		0.00E+00		0.71	ND	1.74E+03	0.0927
PCB-192 233'455'6-HpCB	NotFnd		0.9097	-		0.00E+00		0.97	ND	1.74E+03	0.0671
PCB-180/193 ...-HpCB	NotFnd	C	0.9160	-		0.00E+00		0.82	ND	1.74E+03	0.0796
PCB-191 233'44'5'6-HpCB	NotFnd		0.9234	-		0.00E+00		0.99	ND	1.74E+03	0.0663
PCB-170 22'33'44'5-HpCB	NotFnd		0.9406	-		0.00E+00		0.67	ND	1.74E+03	0.0969
PCB-190 233'44'56-HpCB	NotFnd		0.9509	-		0.00E+00		0.88	ND	1.74E+03	0.0739
PCB-202 22'33'55'66'-OcCB	38.16		1.0006	1.0006	0	5.65E+06	0.91	0.86	25.5	1.38E+03	0.0598
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0211	-		0.00E+00		1.05	ND	1.38E+03	0.0487
PCB-204 22'344'566'-OcCB	NotFnd		1.0362	-		0.00E+00		0.94	ND	1.38E+03	0.0544
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0412	-		0.00E+00		1.07	ND	1.38E+03	0.0479
PCB-200 22'33'4566'-OcCB	NotFnd		1.0433	-		0.00E+00		0.97	ND	1.38E+03	0.0527
PCB-198/199 ...-OcCB	NotFnd	C	1.1049	-		0.00E+00		0.62	ND	1.38E+03	0.0825
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1201	-		0.00E+00		0.63	ND	1.38E+03	0.0815
PCB-203 22'344'55'6-OcCB	NotFnd		1.1245	-		0.00E+00		0.68	ND	1.38E+03	0.076
PCB-195 22'33'44'56-OcCB	NotFnd		0.9489	-		0.00E+00		0.87	ND	1.53E+03	0.134
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9917	-		0.00E+00		0.84	ND	1.53E+03	0.14
PCB-205 233'44'55'6-OcCB	46.41		1.0004	1.0004	0	3.66E+06	0.92	1.20	21.7	1.53E+03	0.0978
PCB-208 22'33'455'66'-NoCB	43.82		1.0005	1.0005	0	4.14E+06	0.79	1.01	21.3	5.86E+03	0.313
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0186	-		0.00E+00		1.00	ND	5.86E+03	0.315
PCB-206 22'33'44'55'6-NoCB	47.90		1.0004	1.0004	0	2.43E+06	0.77	0.95	23.8	5.86E+03	0.618

AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

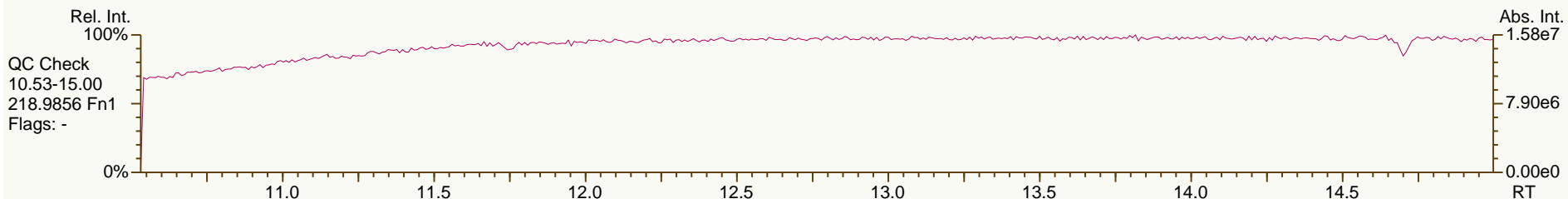
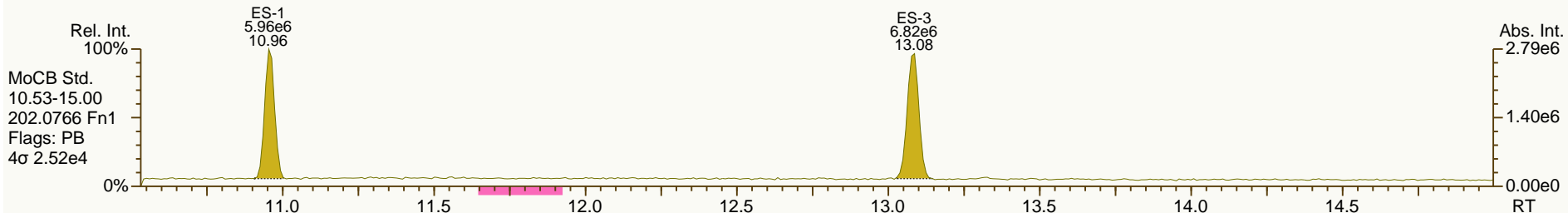
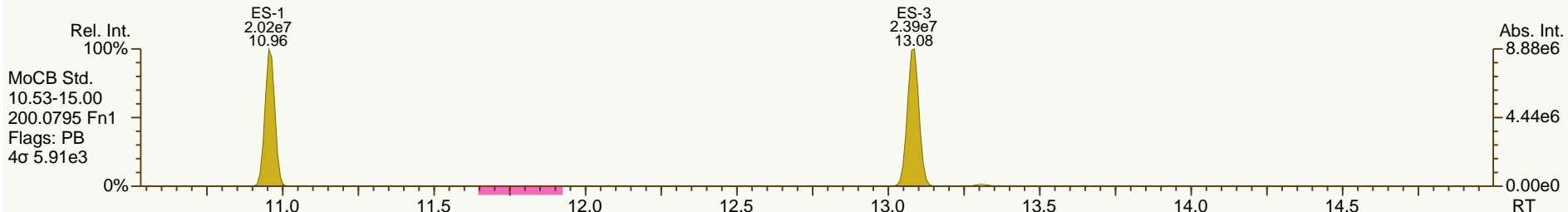
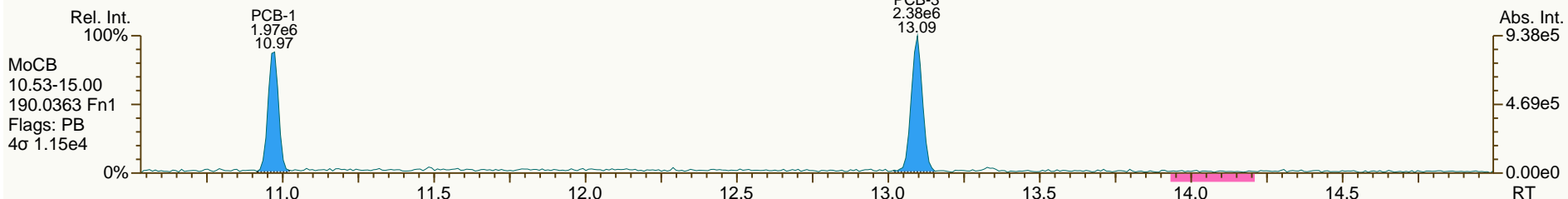
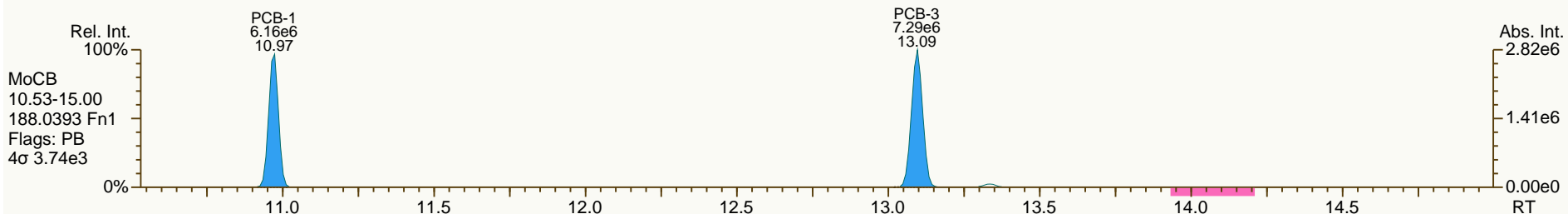
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

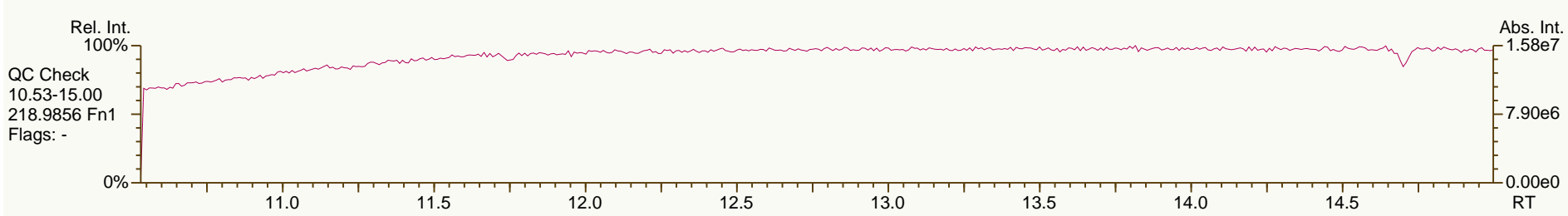
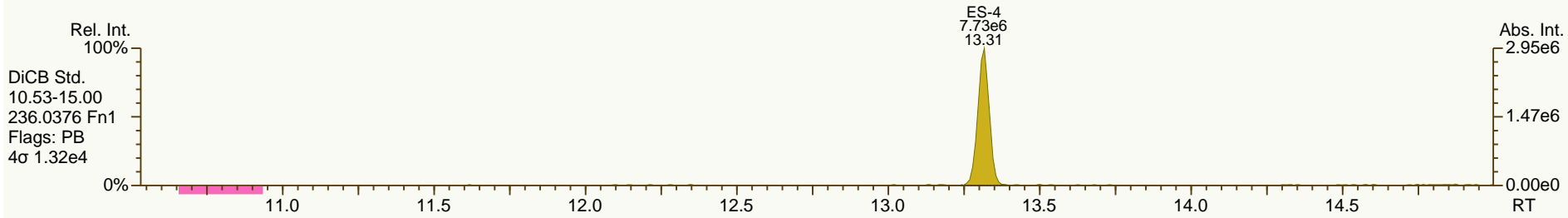
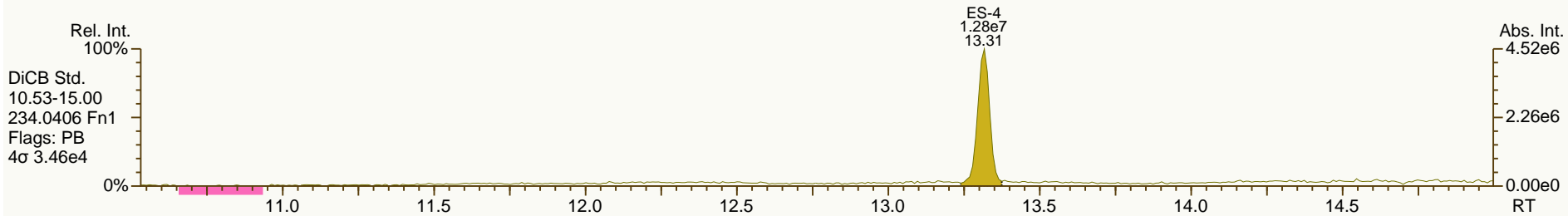
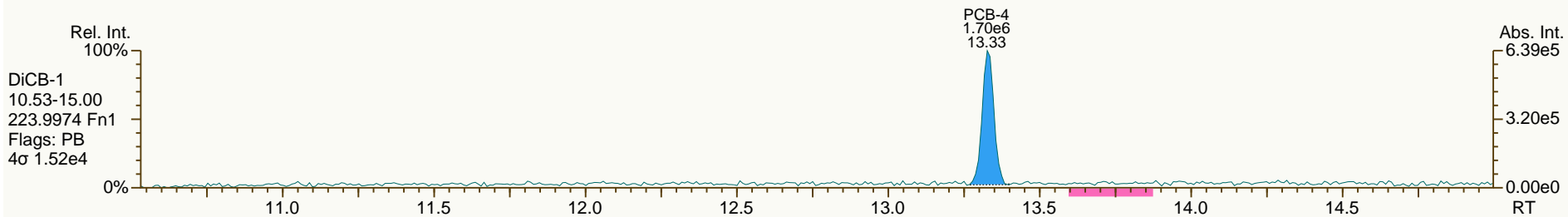
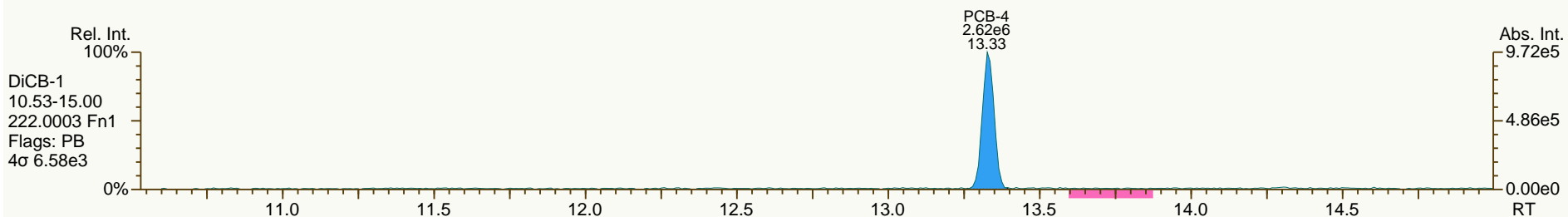
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: OPR #75625
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

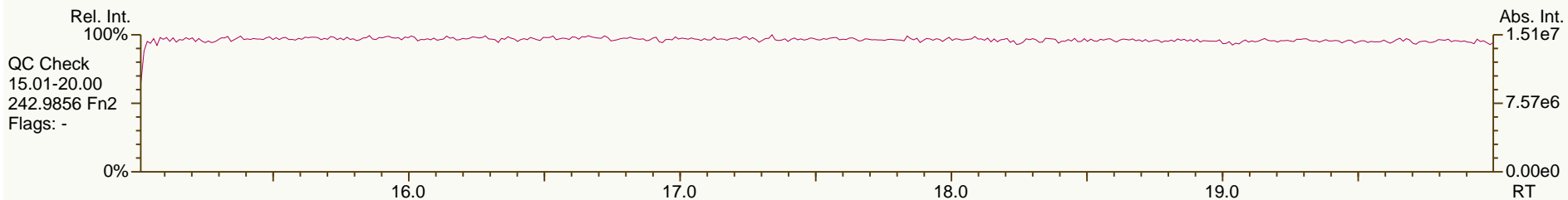
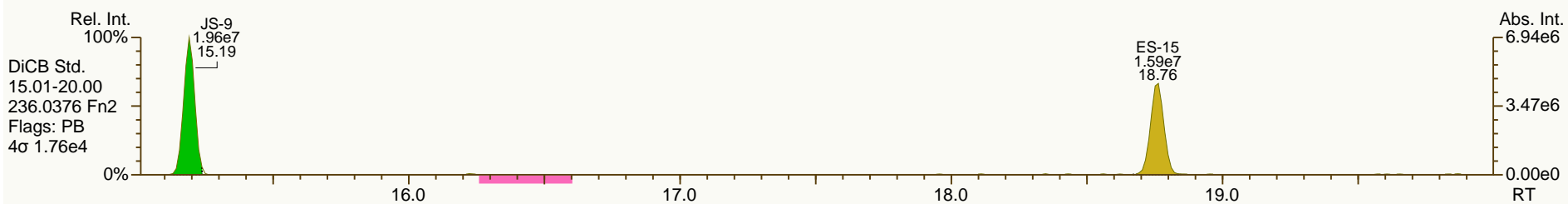
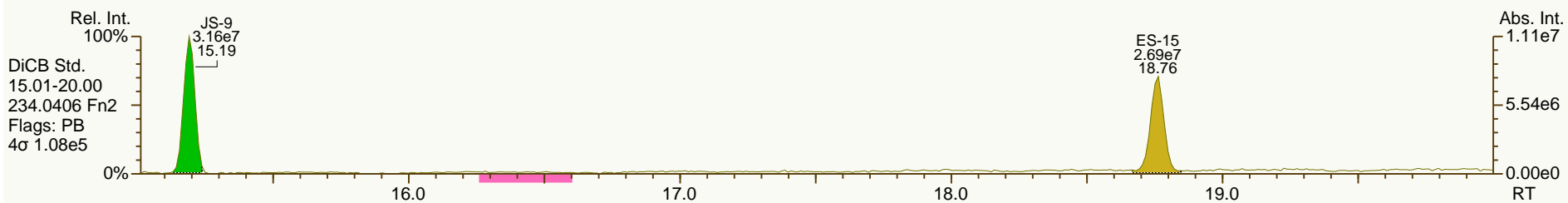
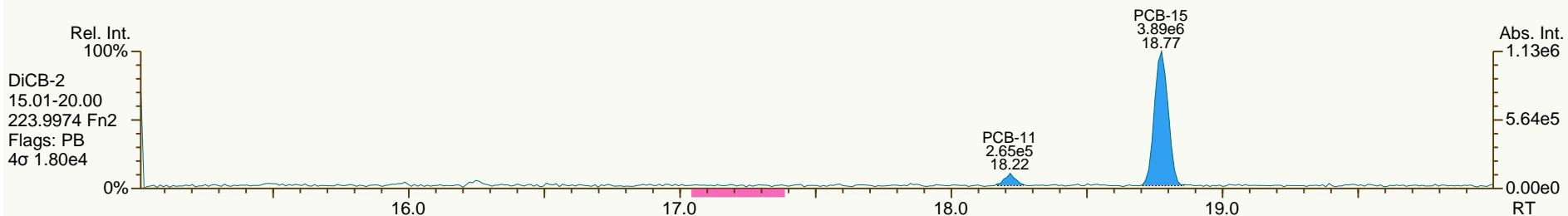
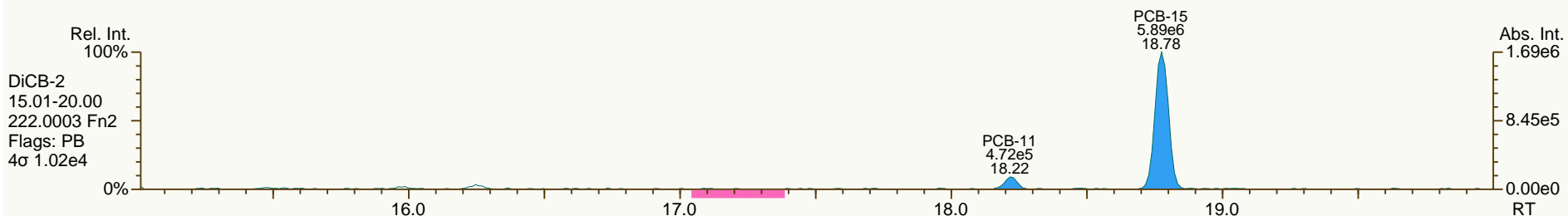
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AP Lab ID: OPR_9894_PCB
 Instr: AutoSpec-Premier MM6

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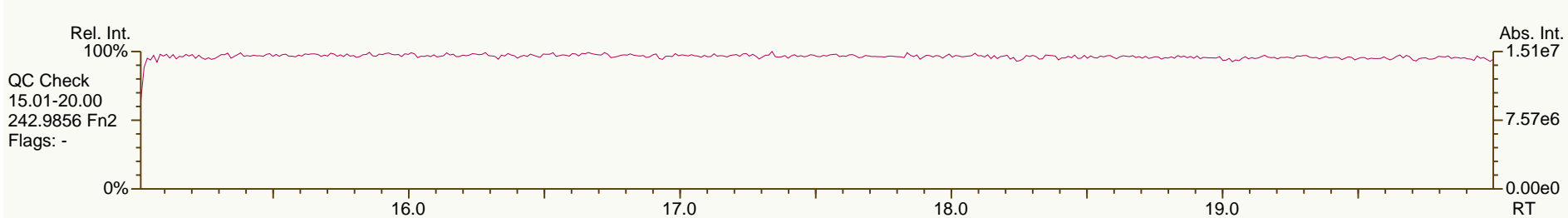
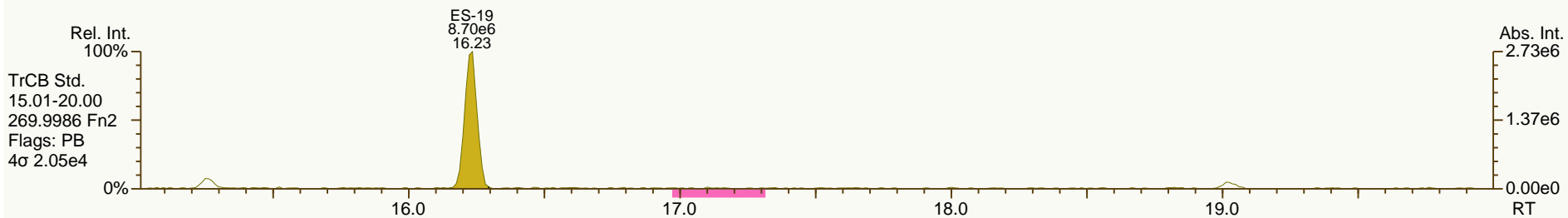
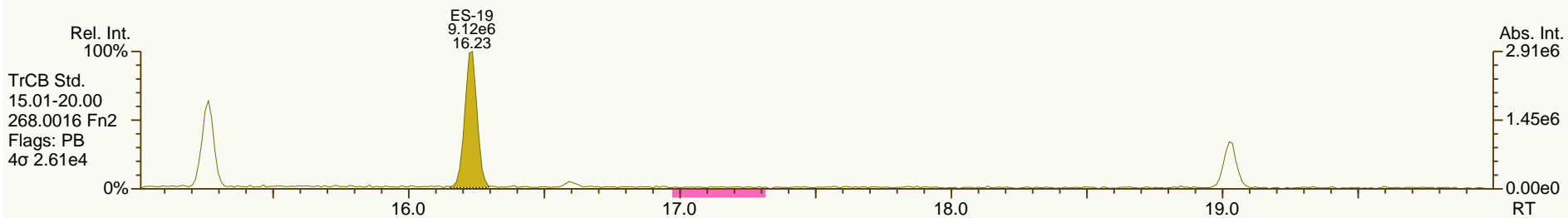
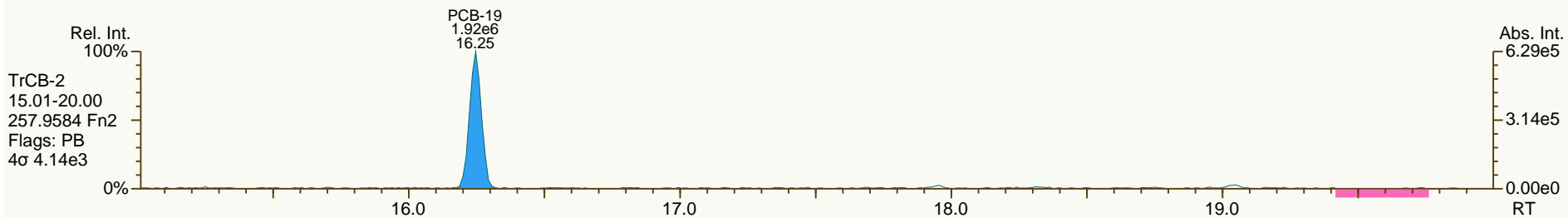
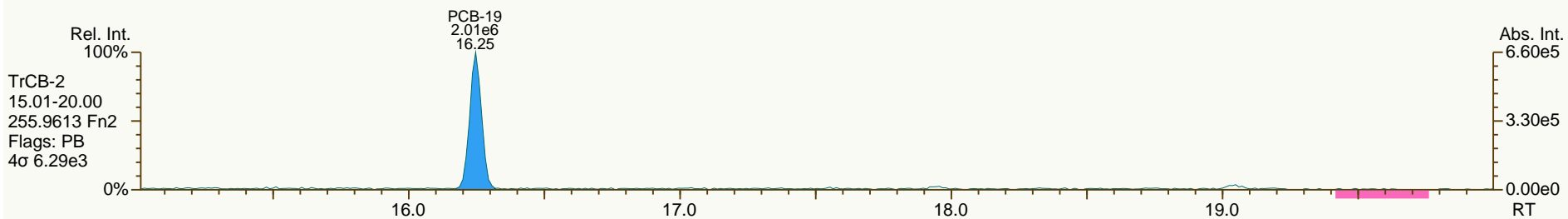
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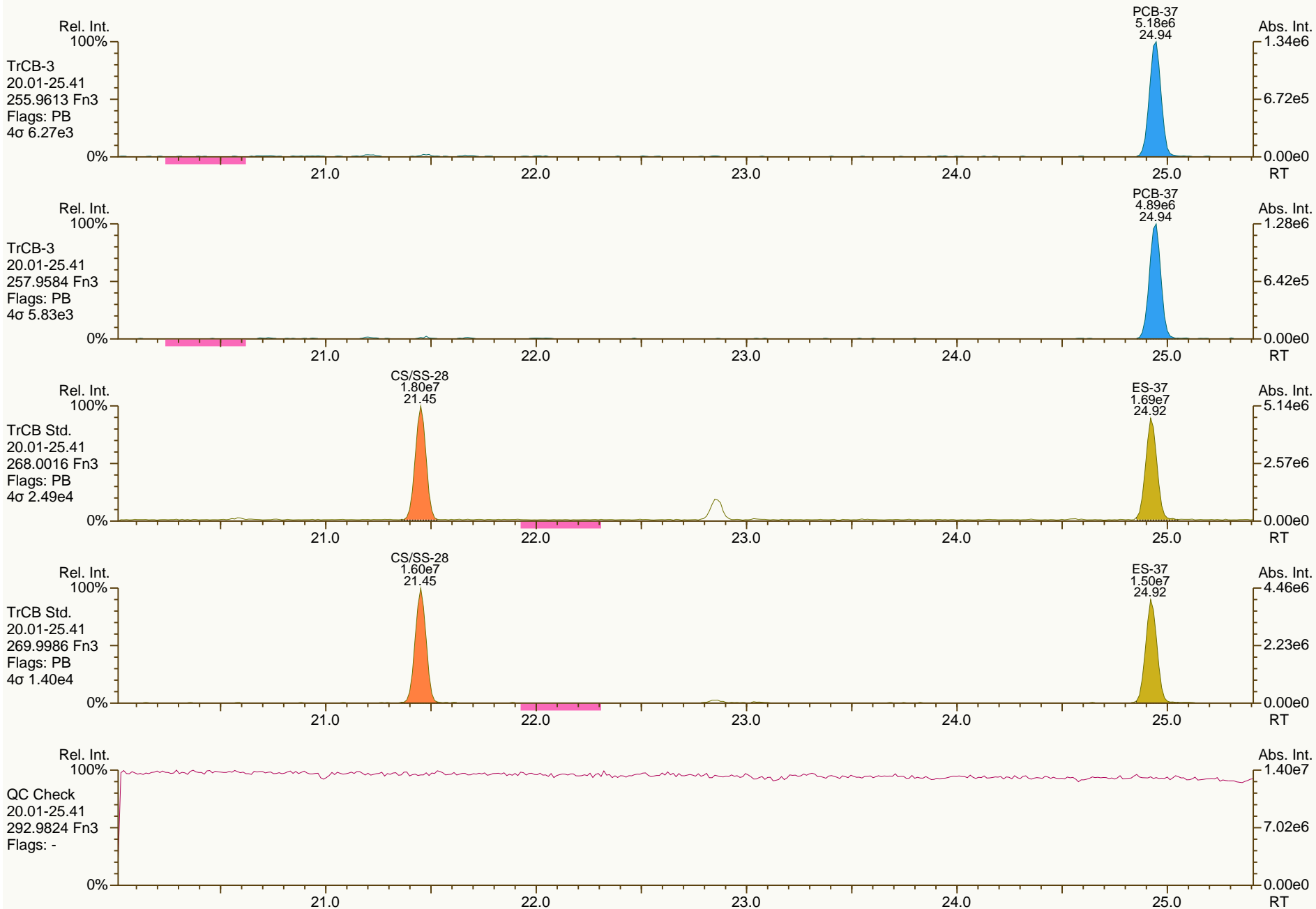
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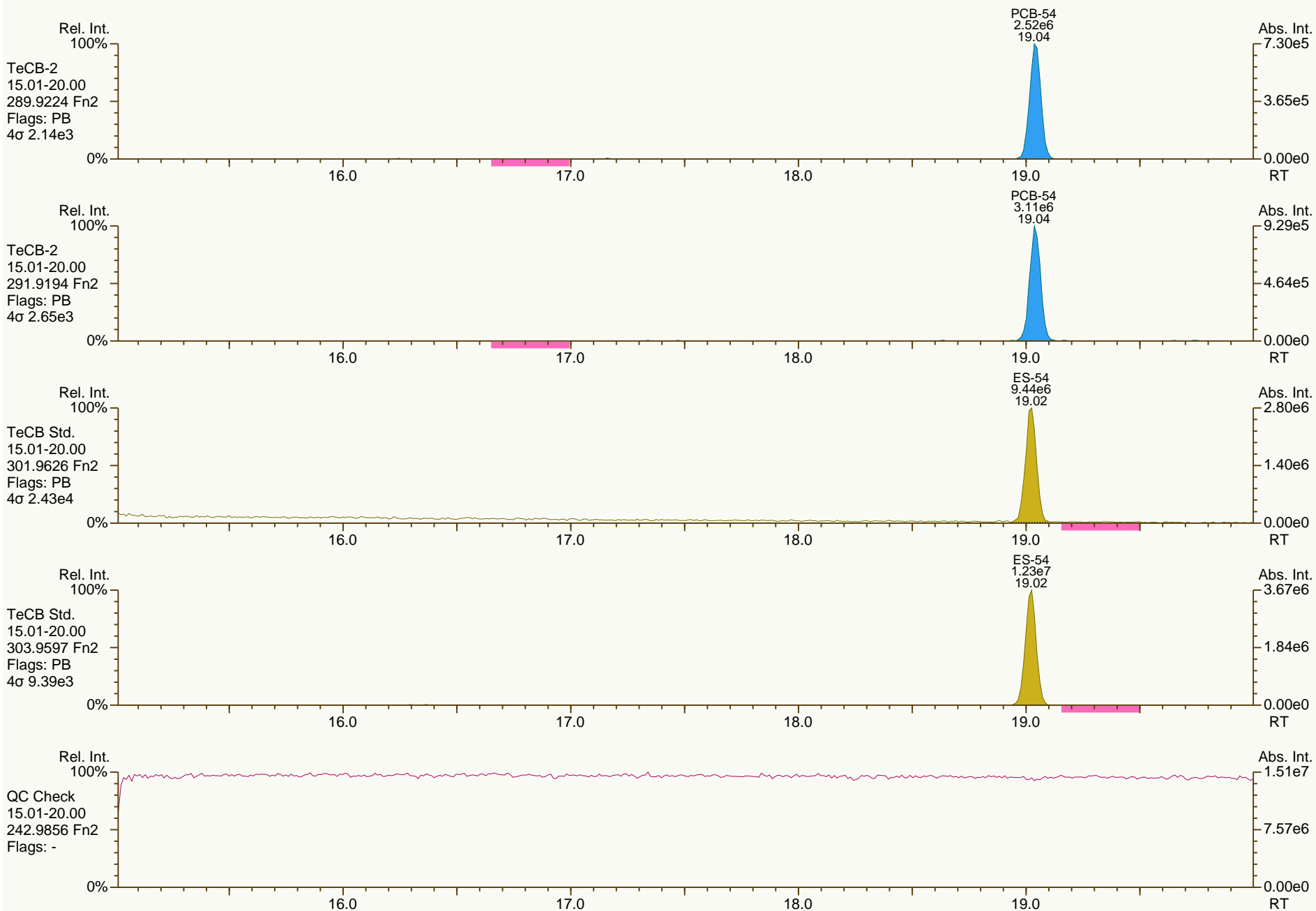
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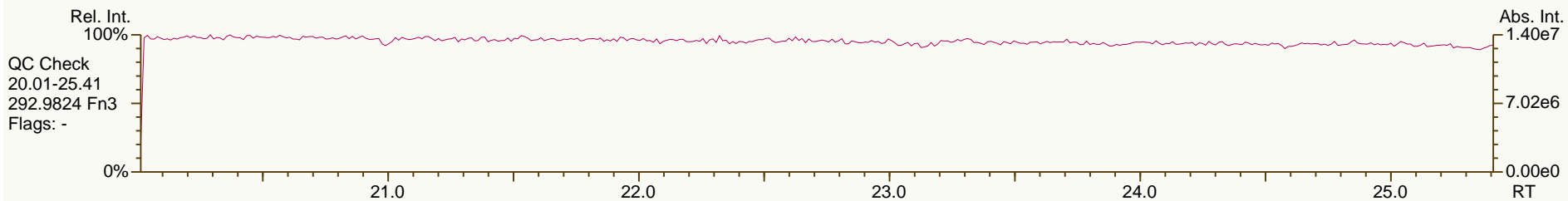
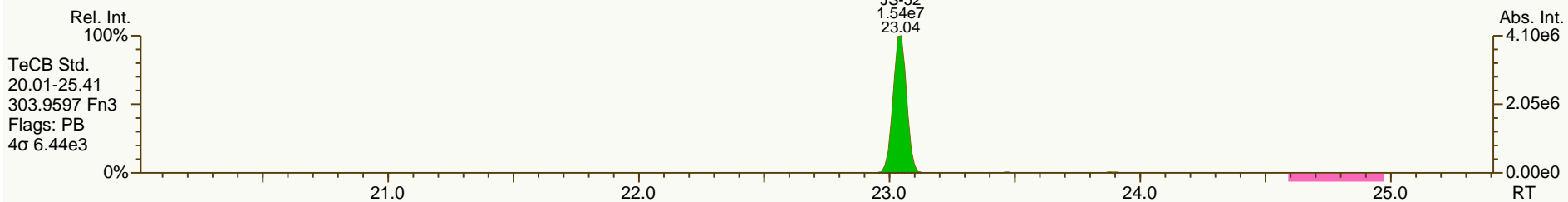
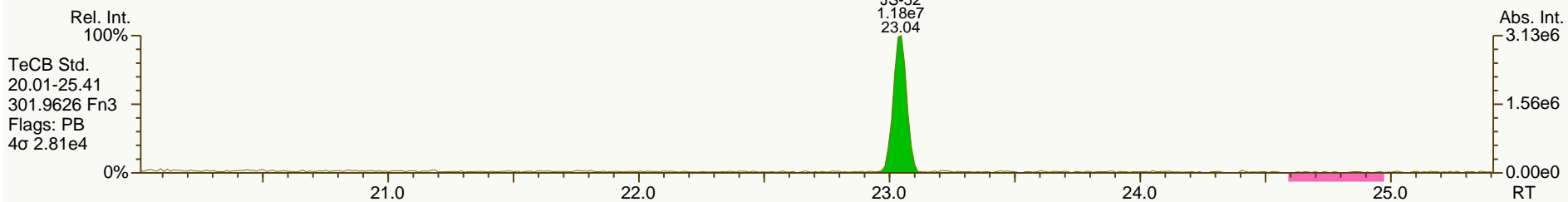
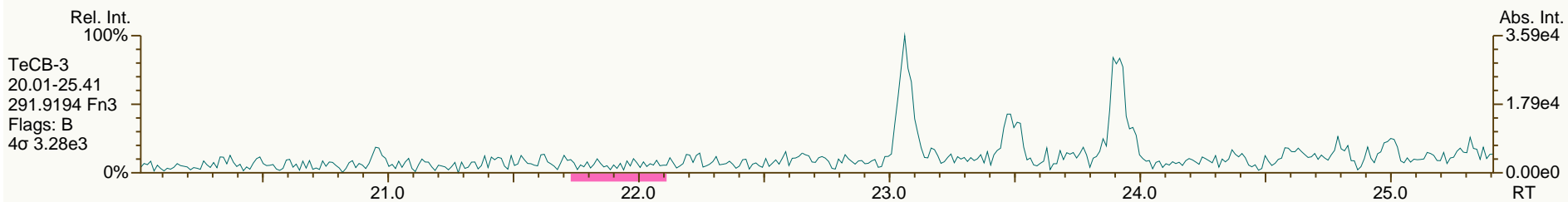
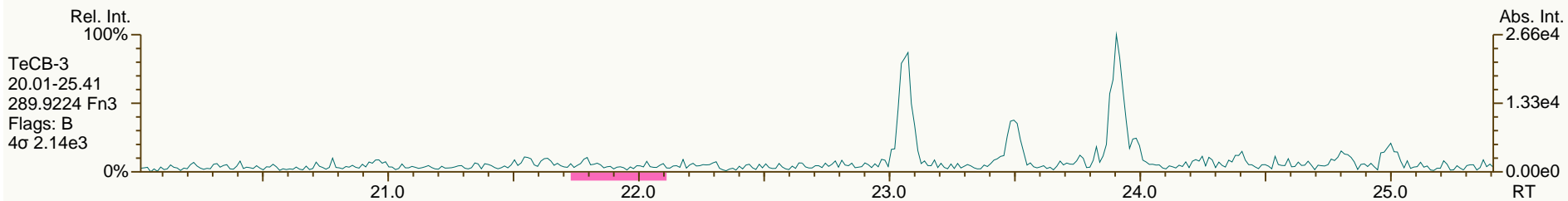
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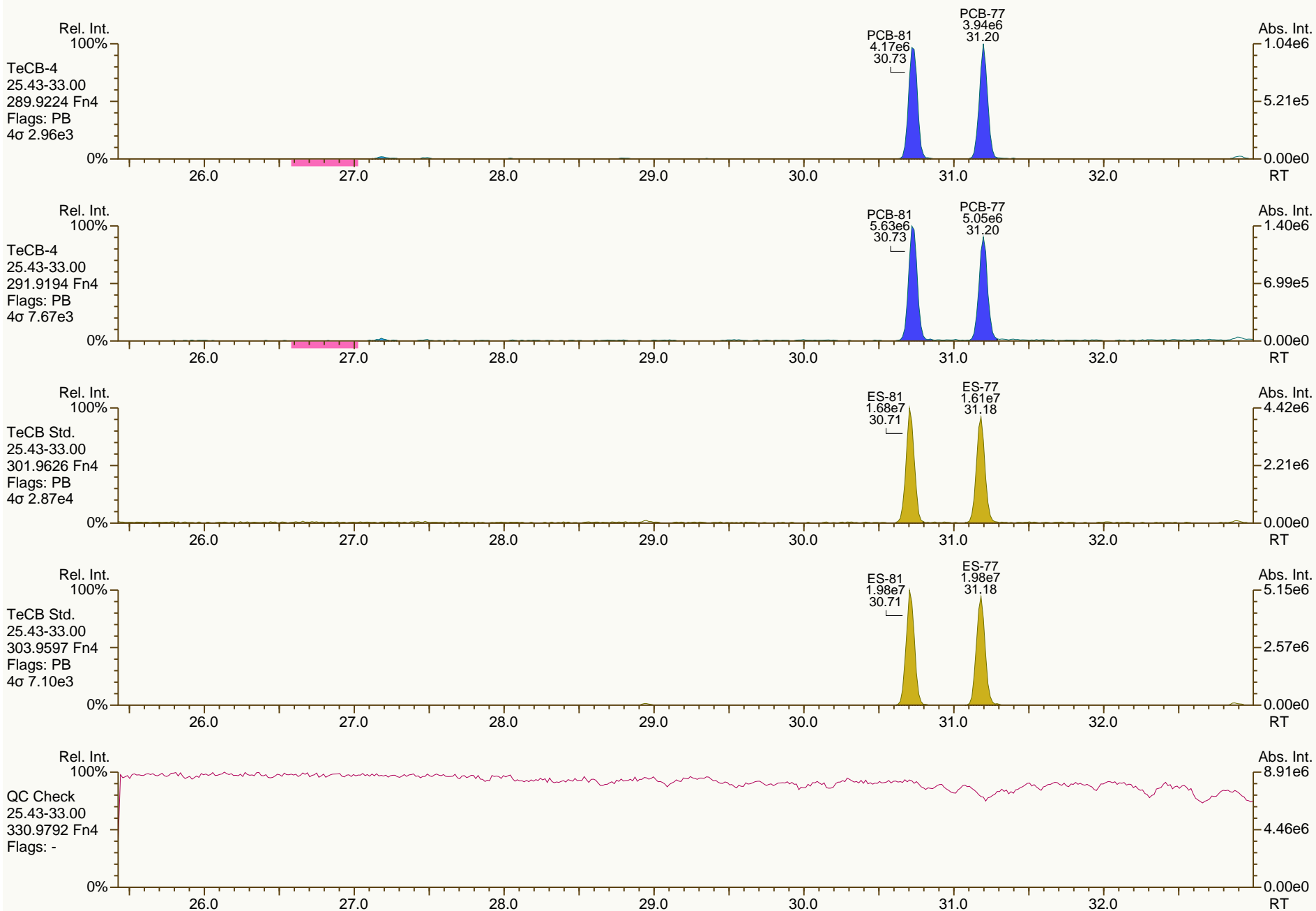
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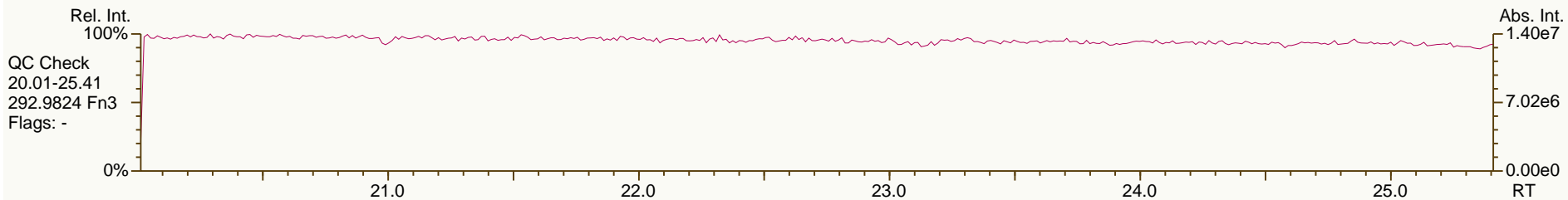
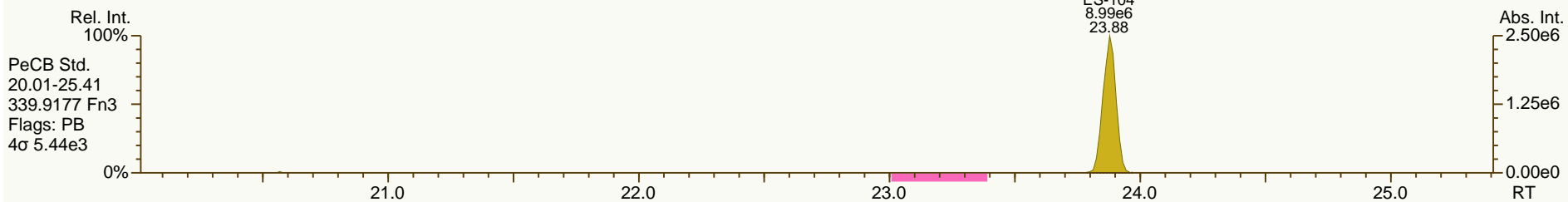
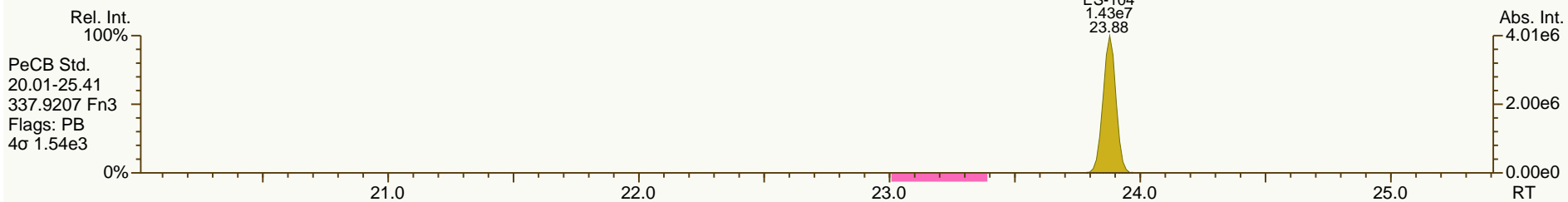
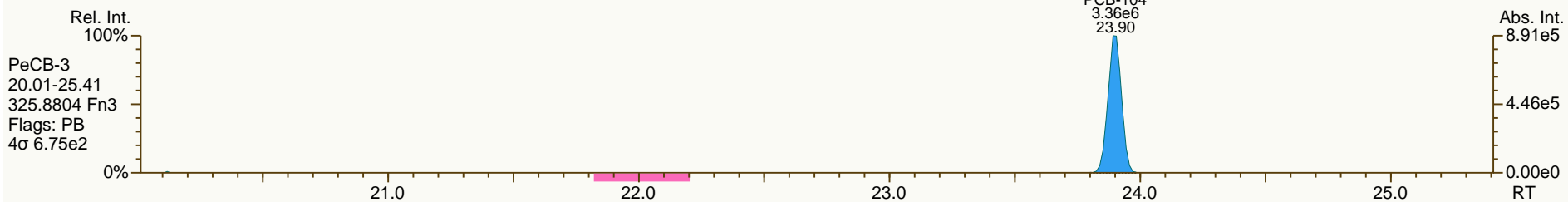
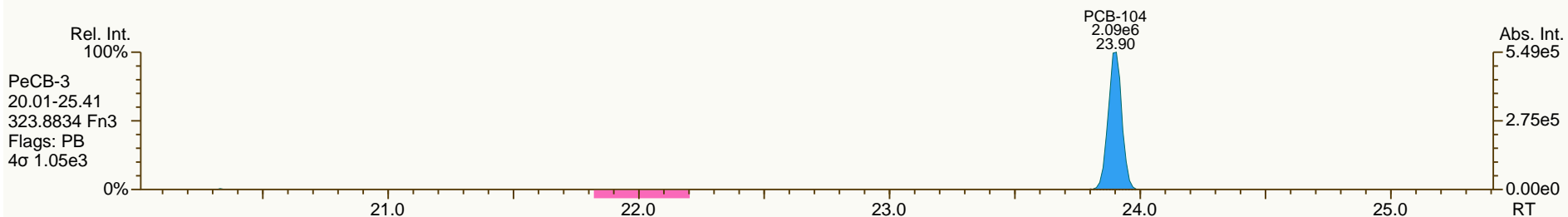
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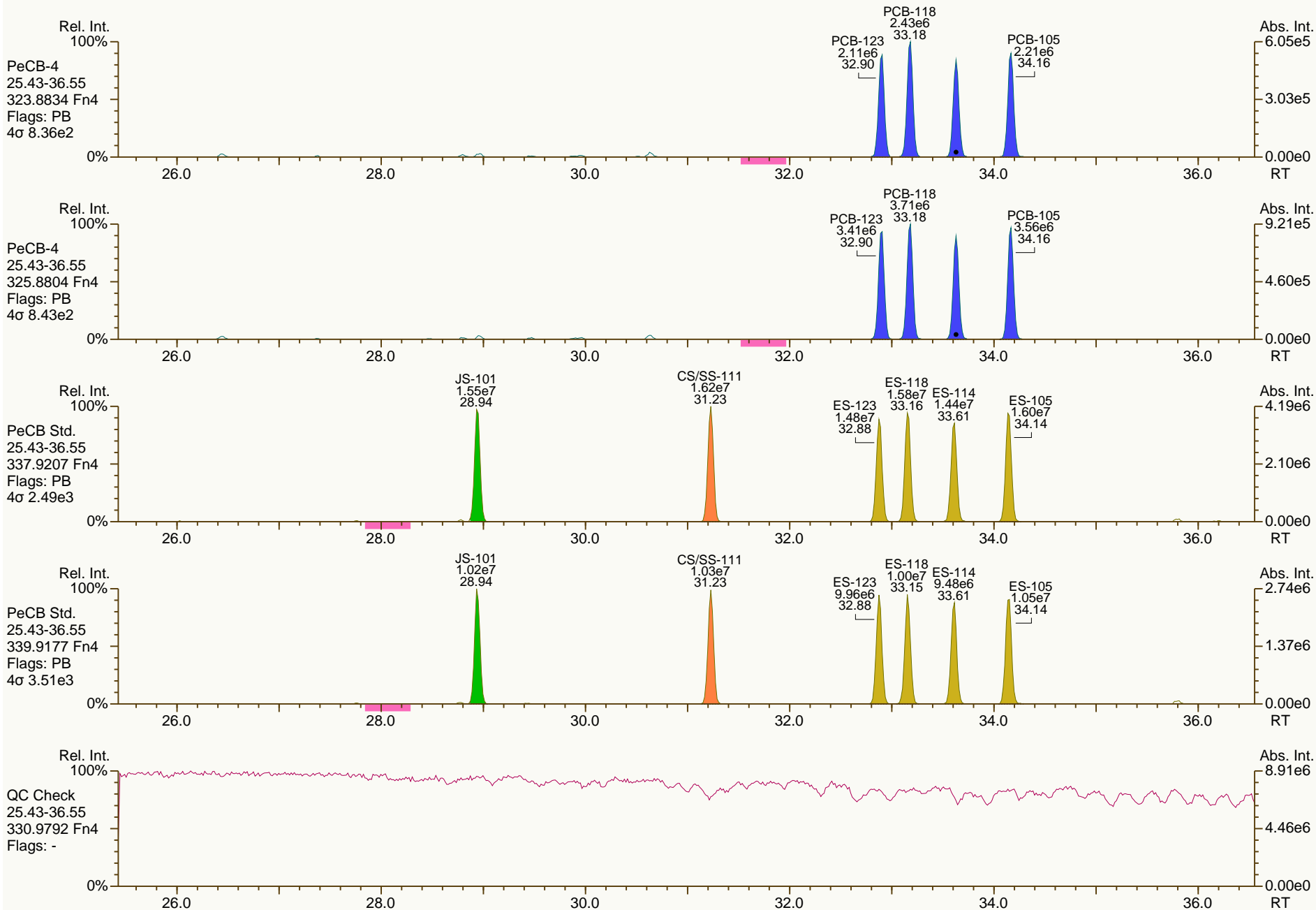
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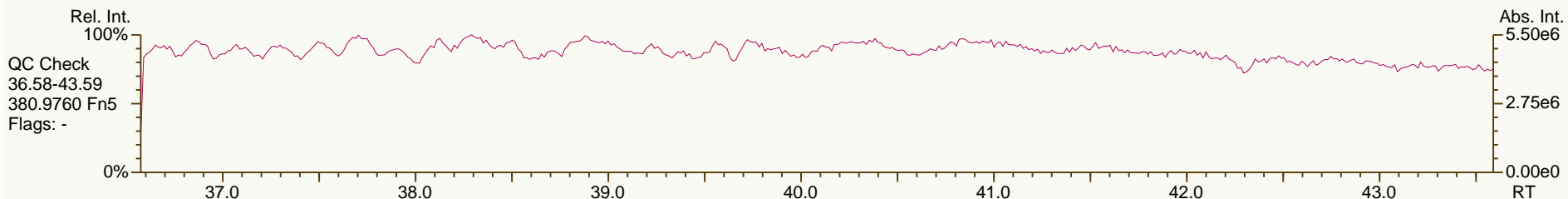
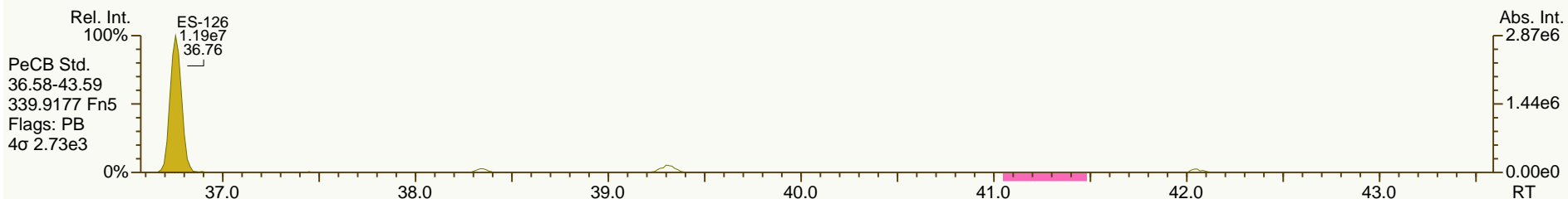
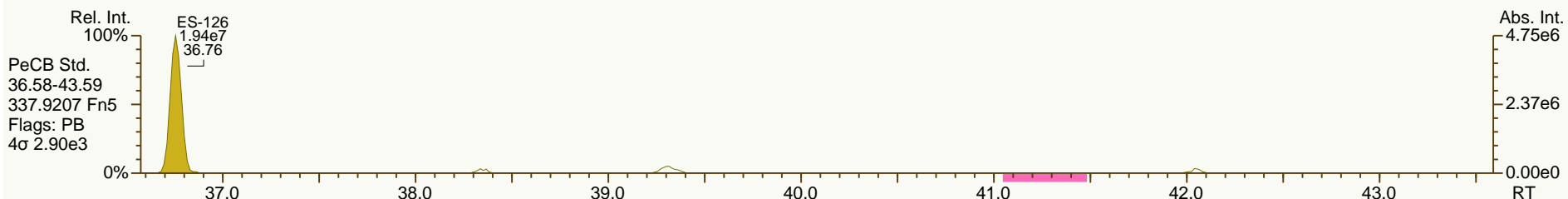
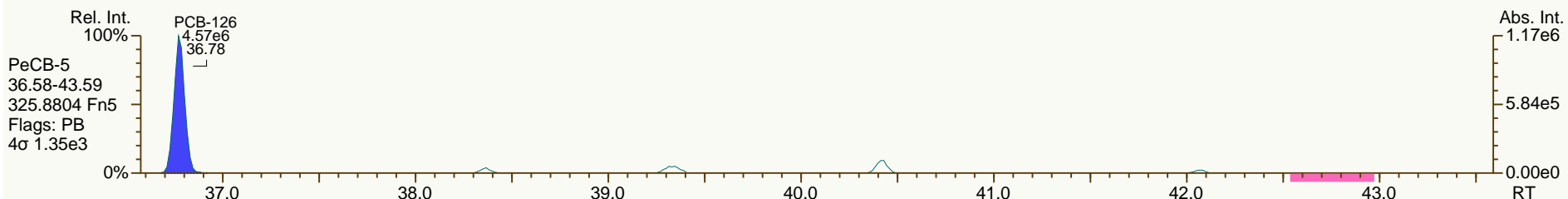
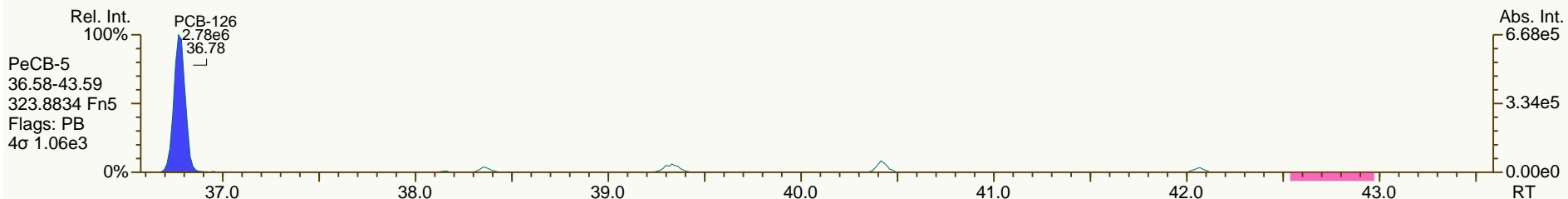
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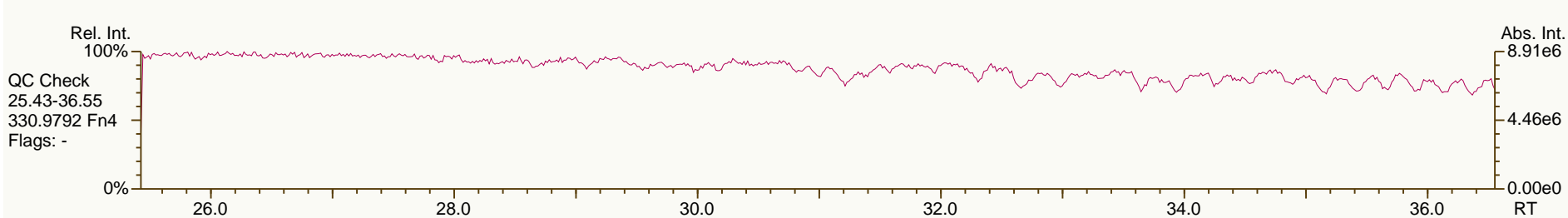
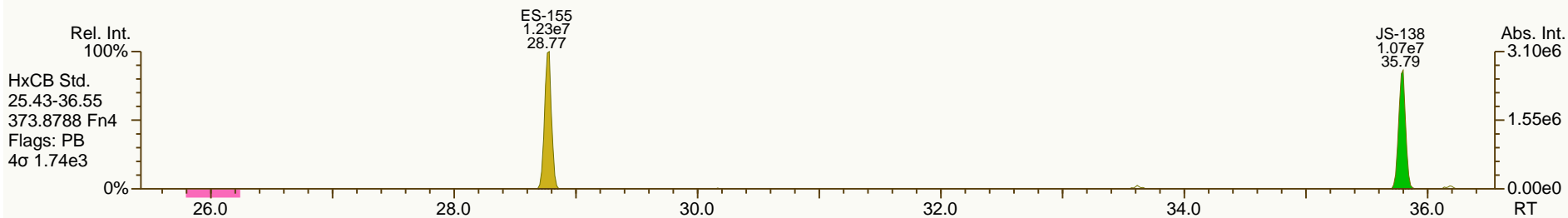
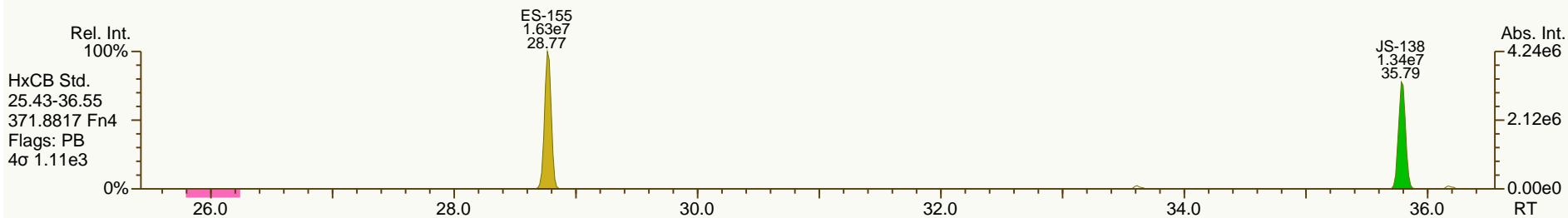
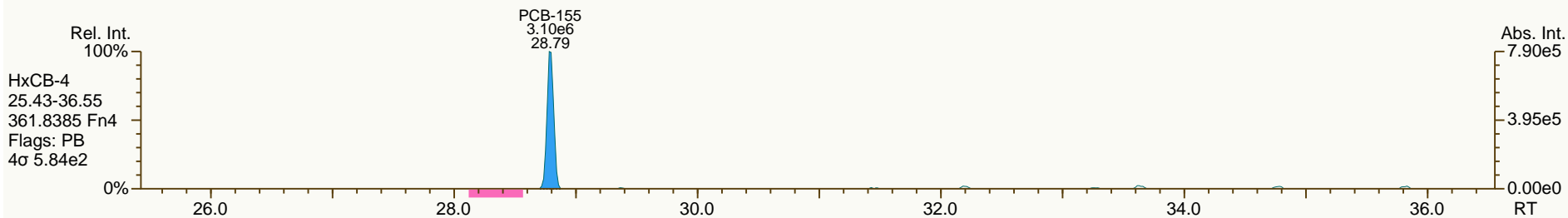
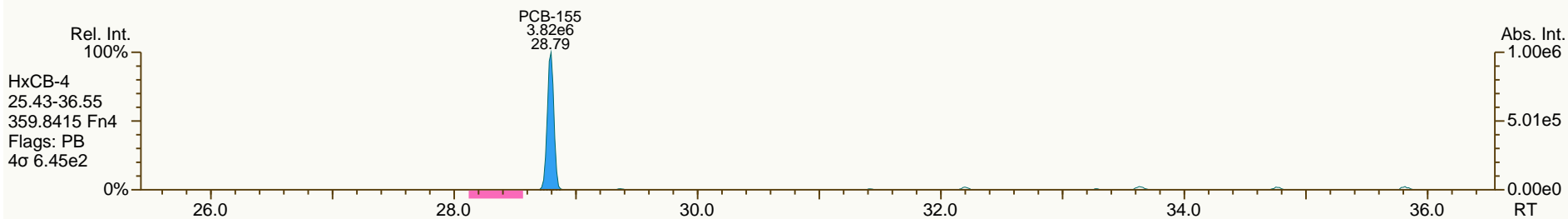
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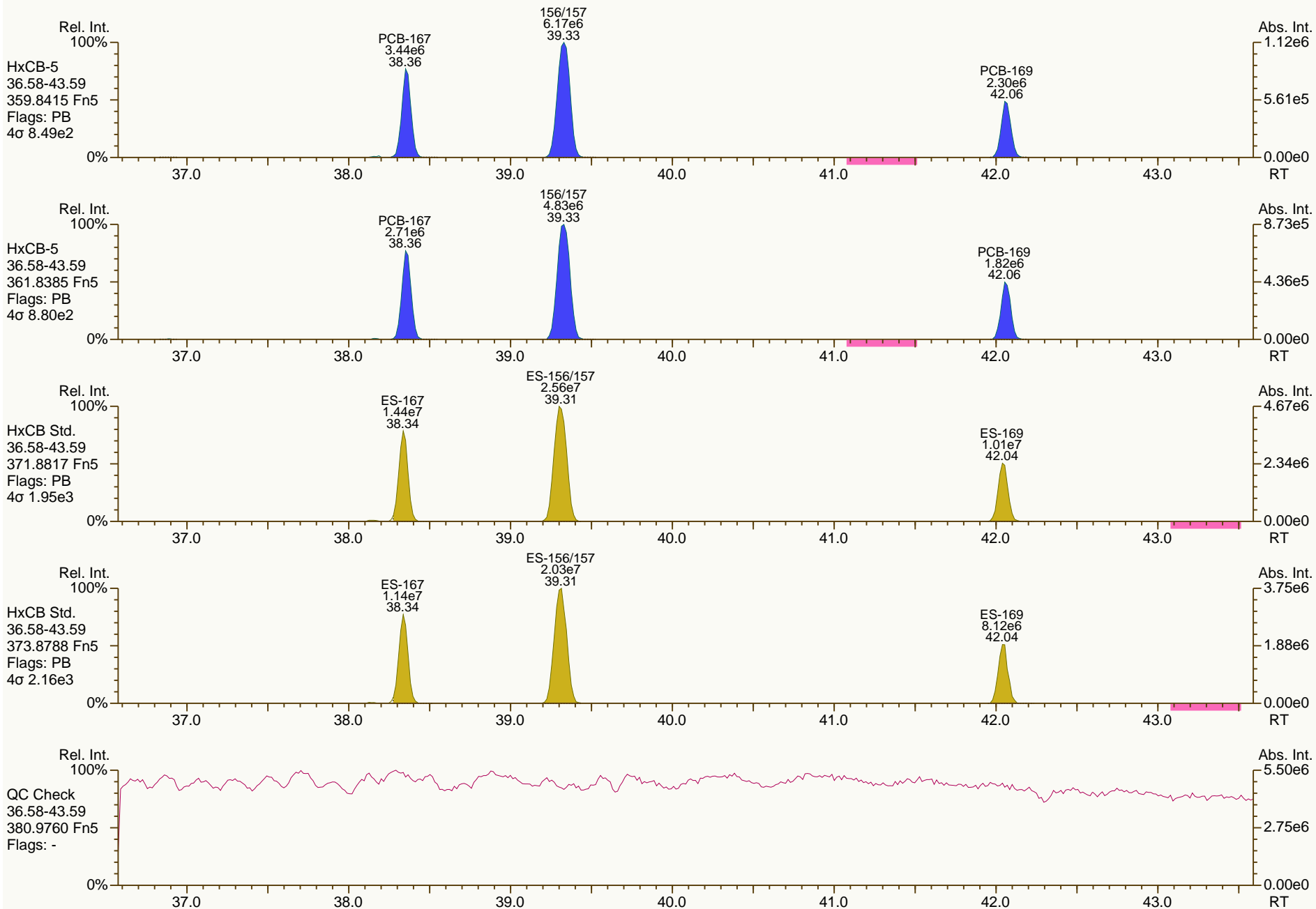
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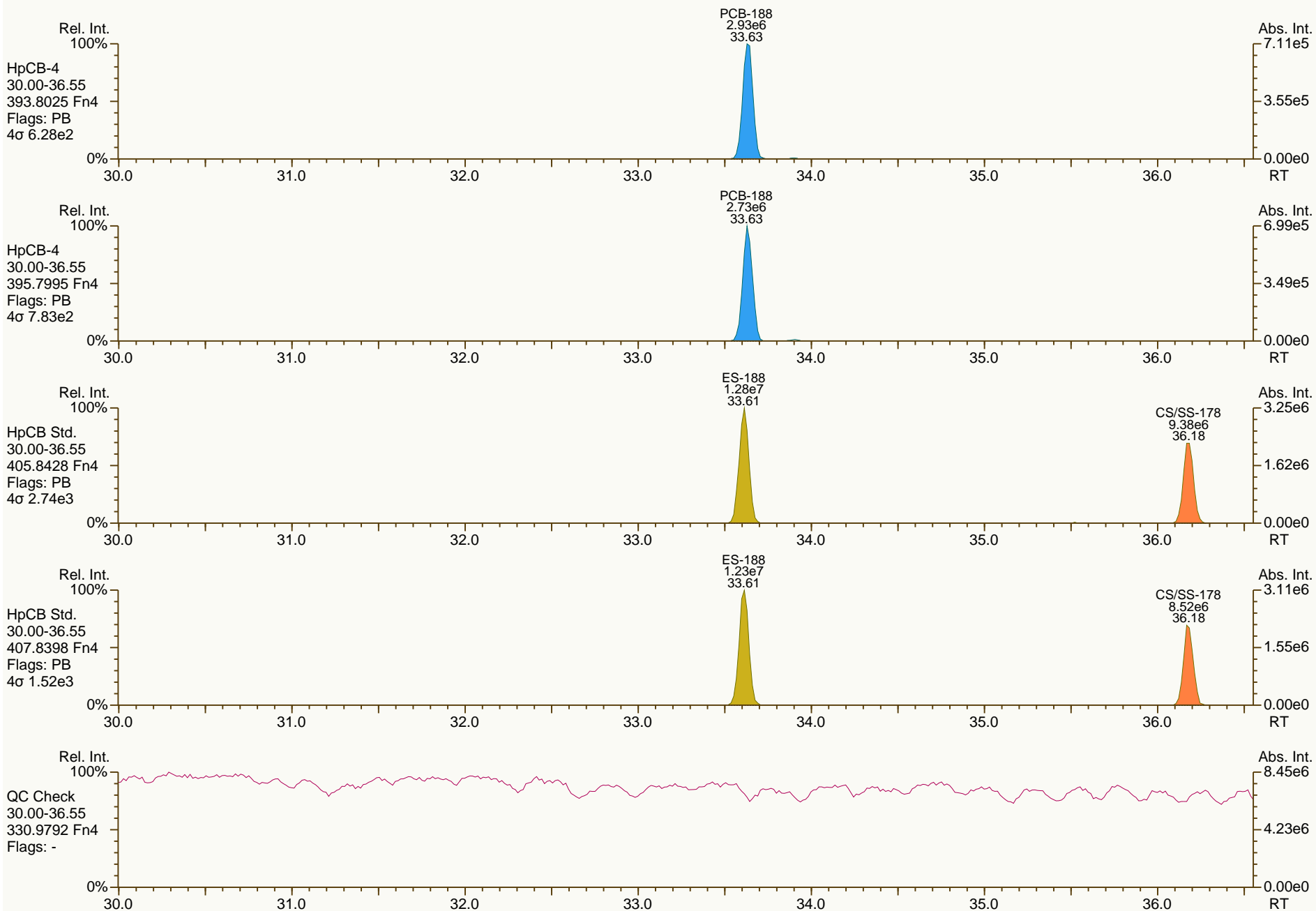
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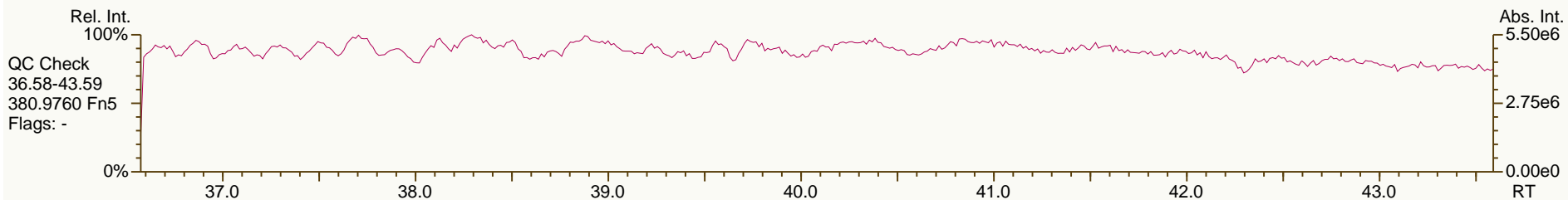
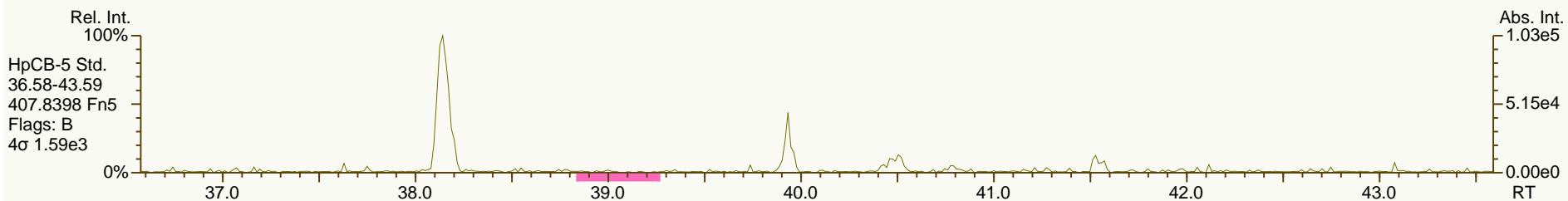
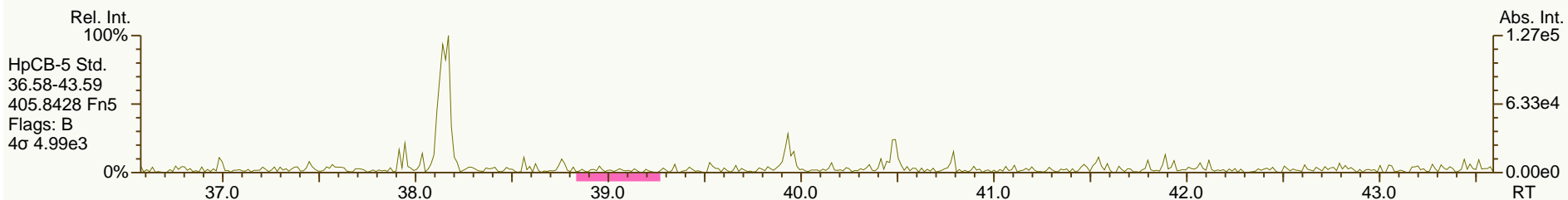
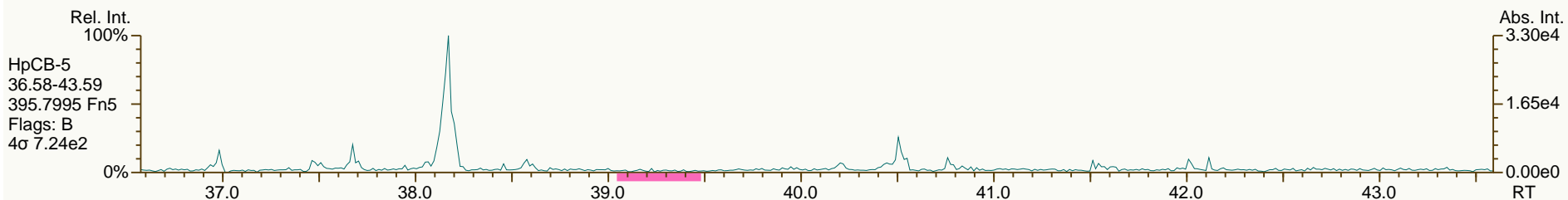
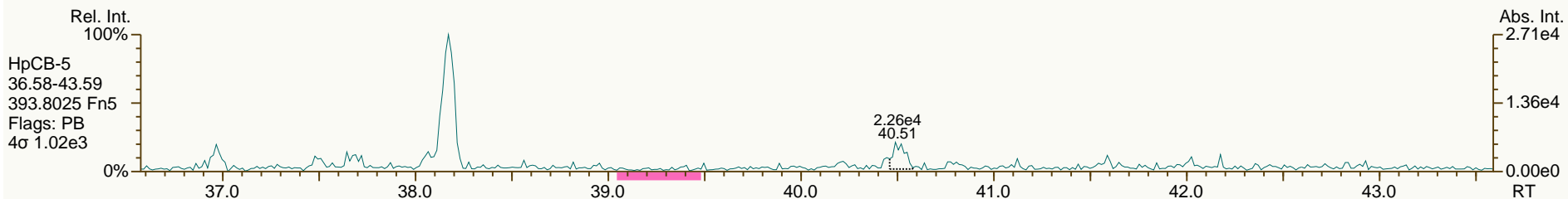
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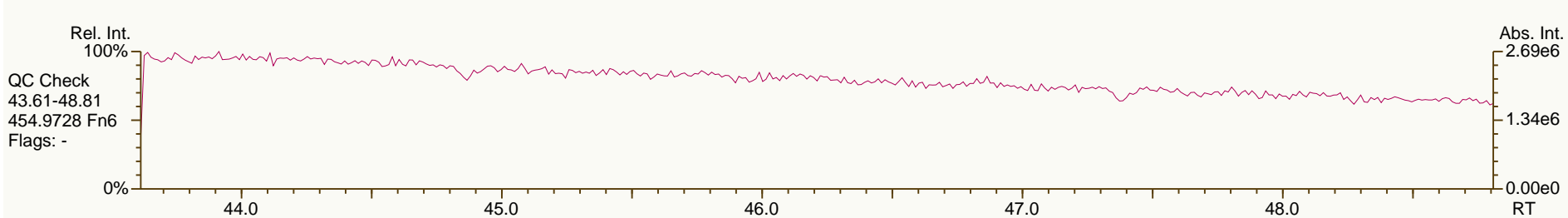
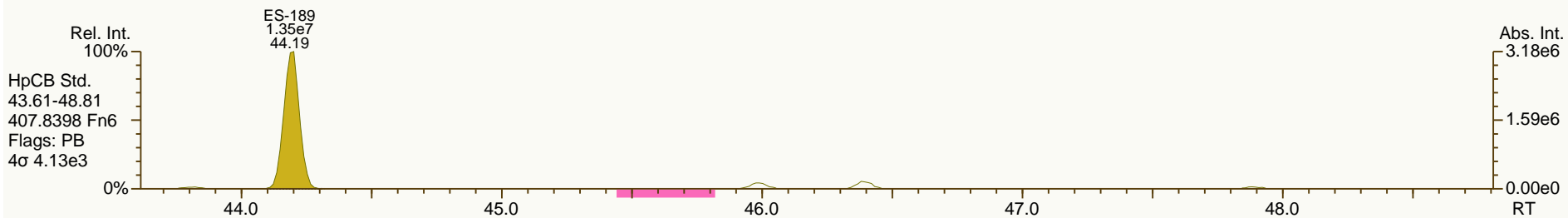
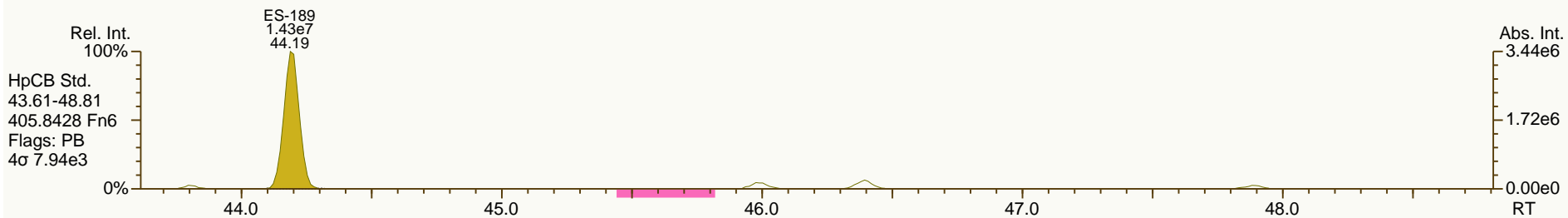
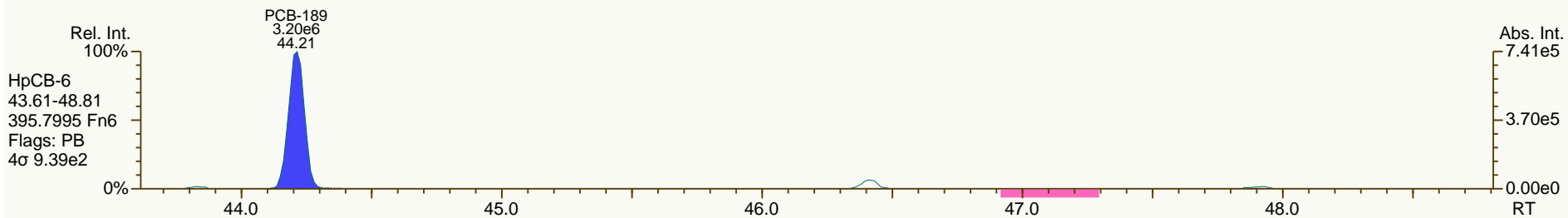
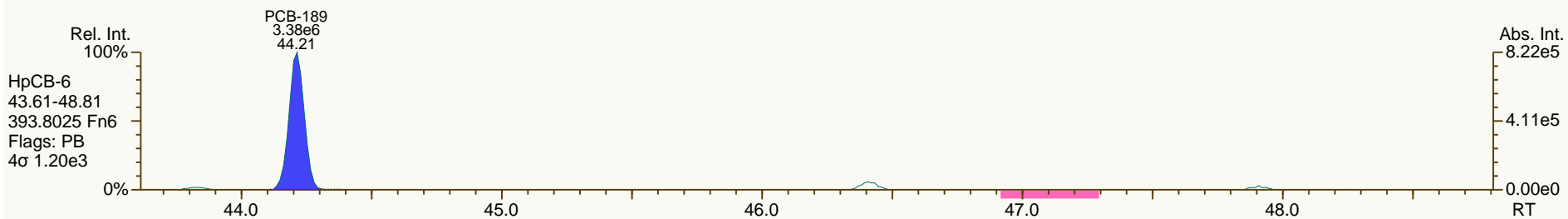
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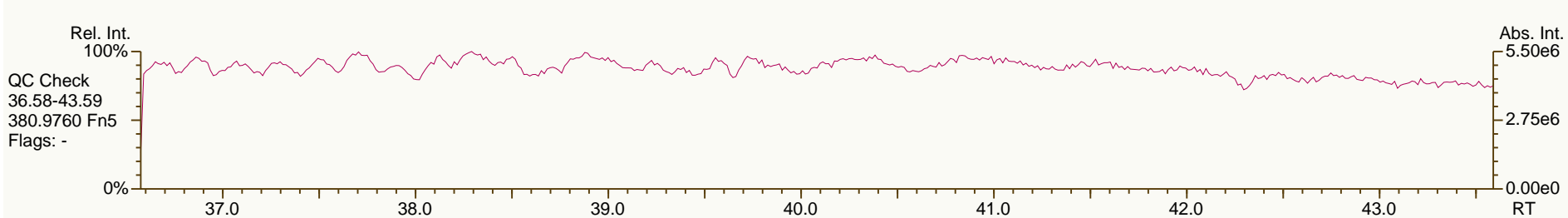
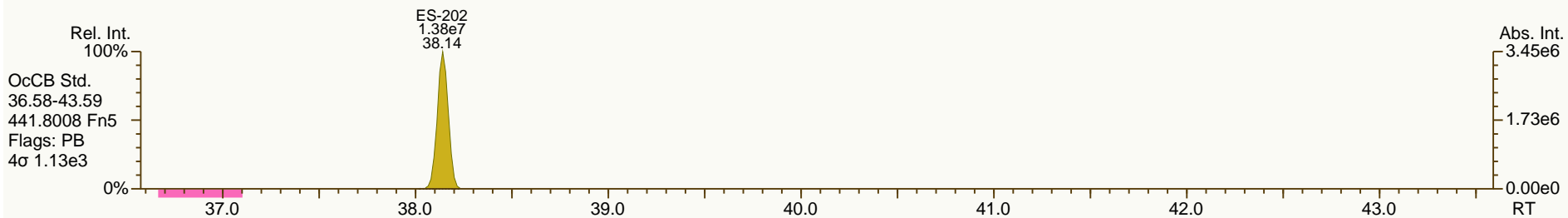
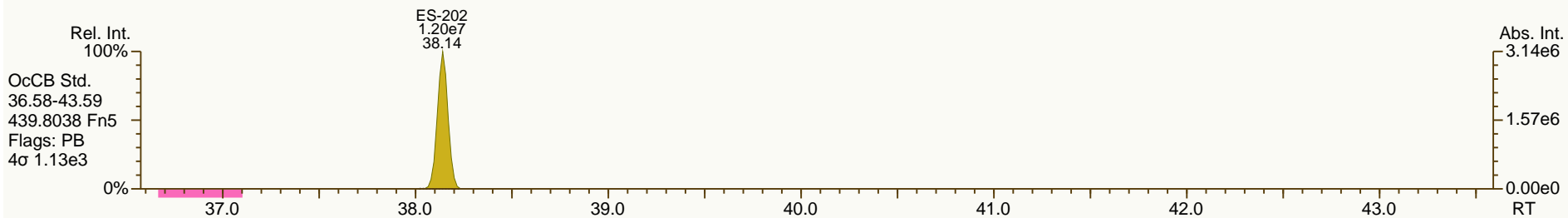
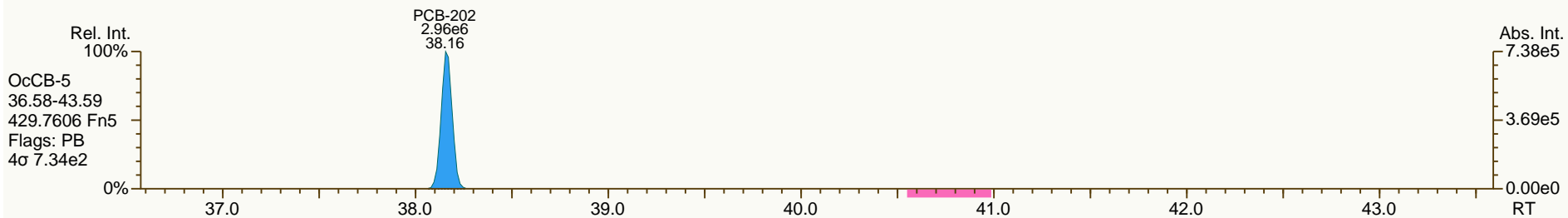
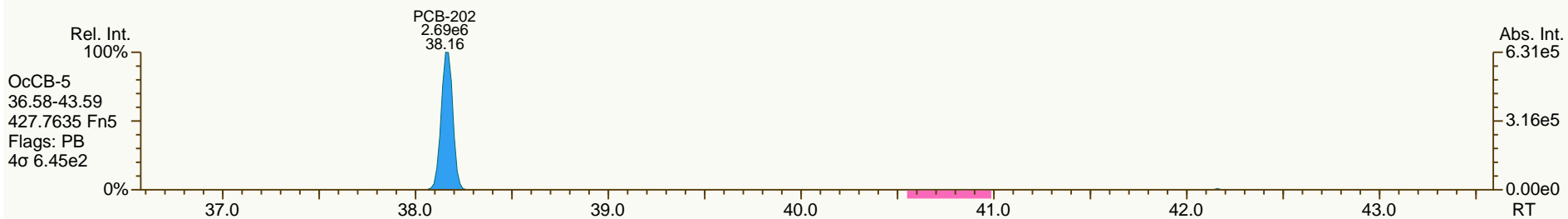
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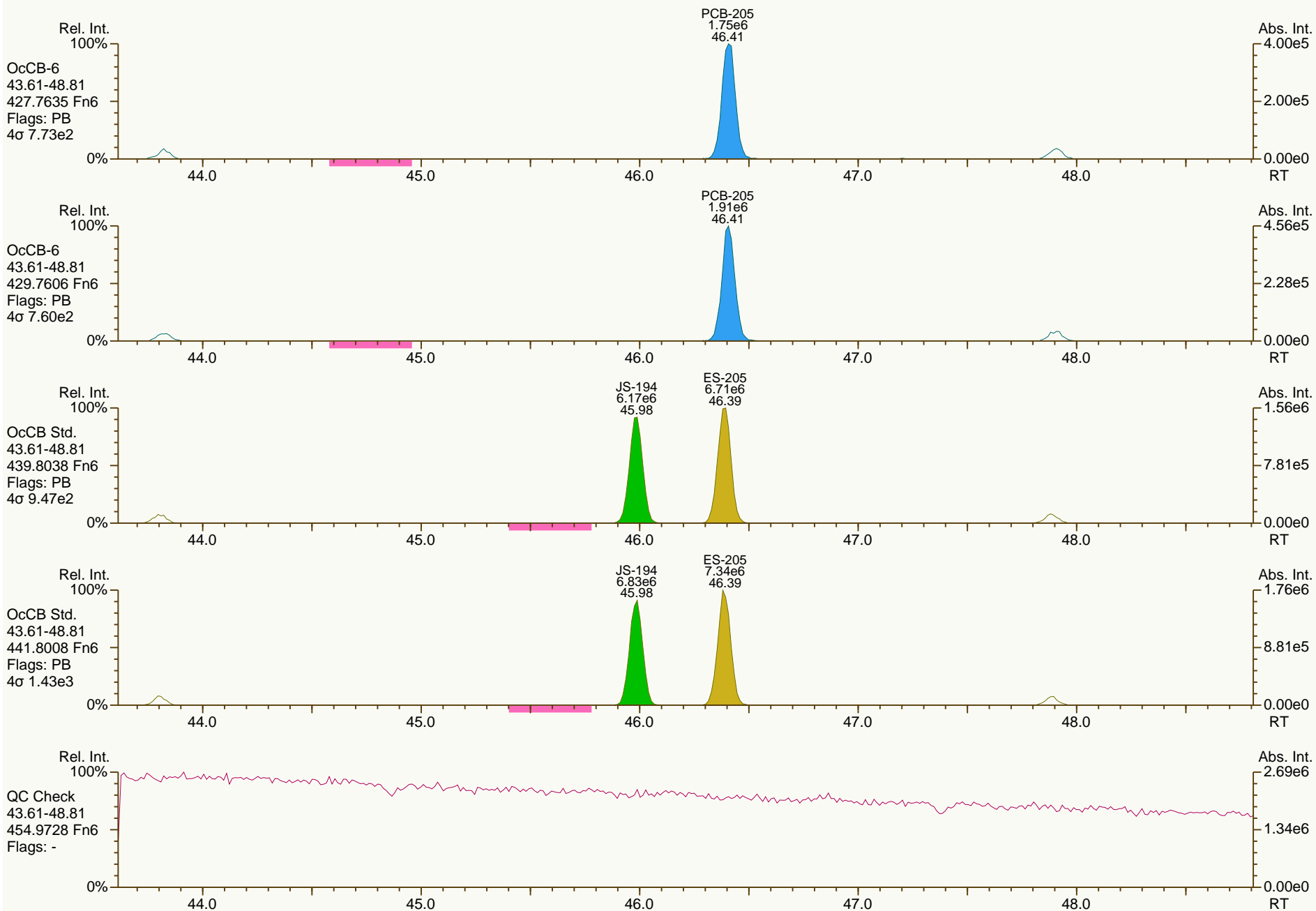
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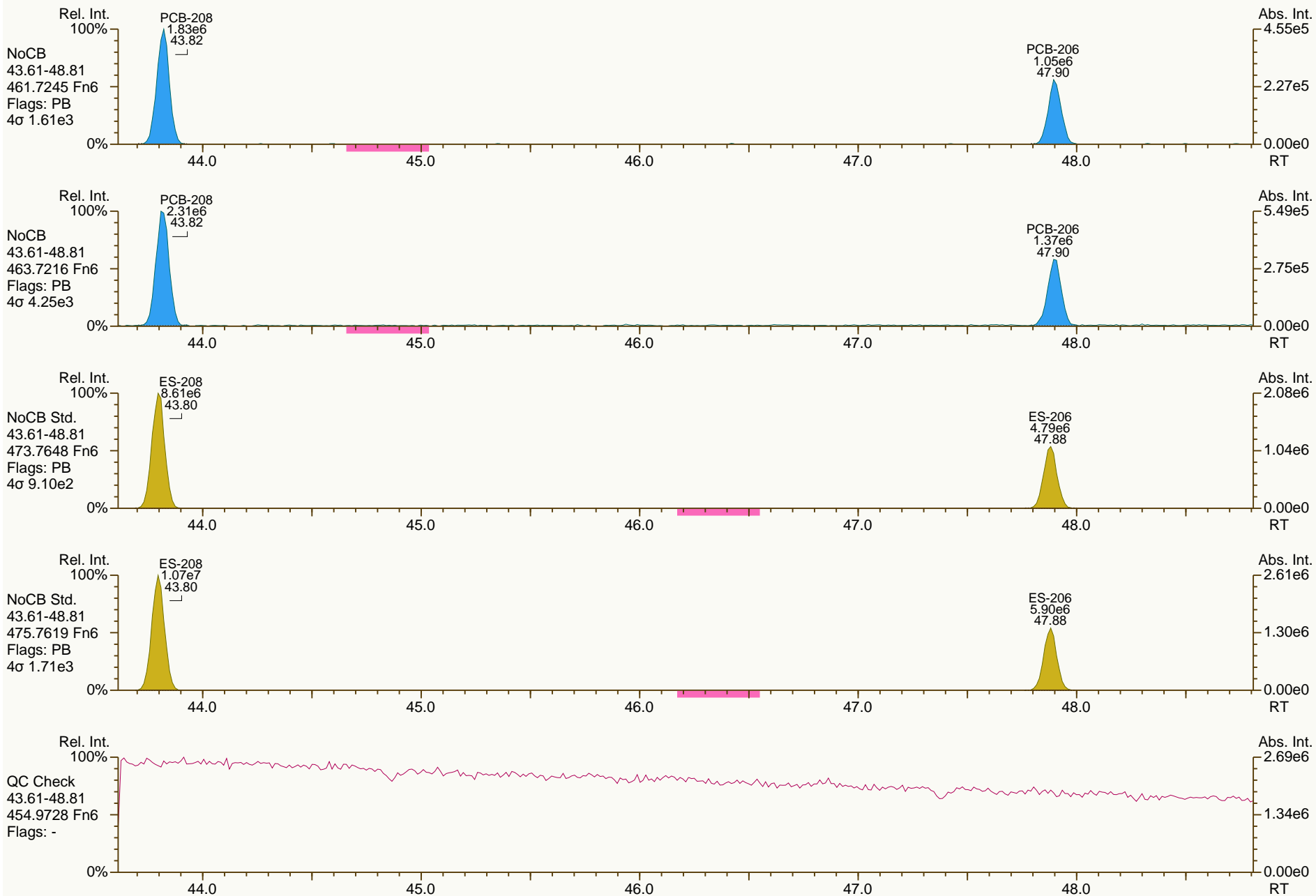
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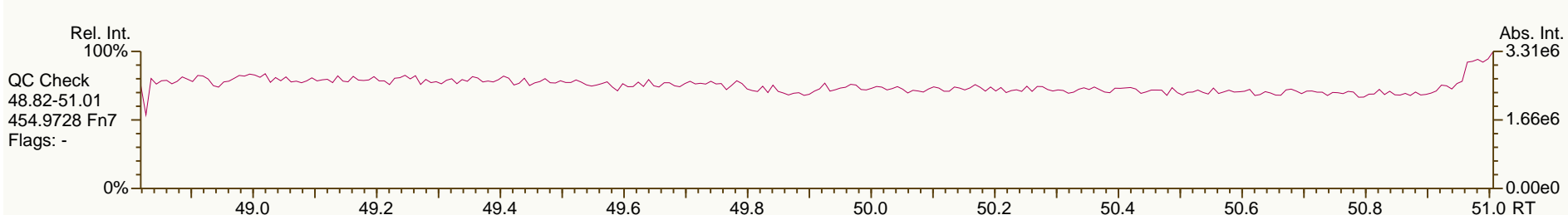
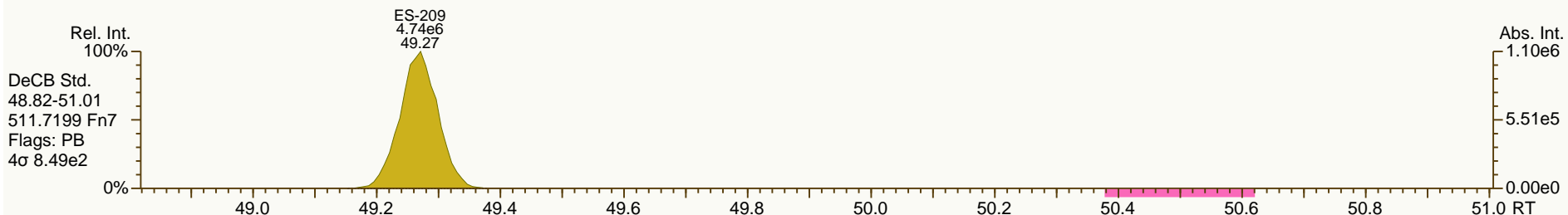
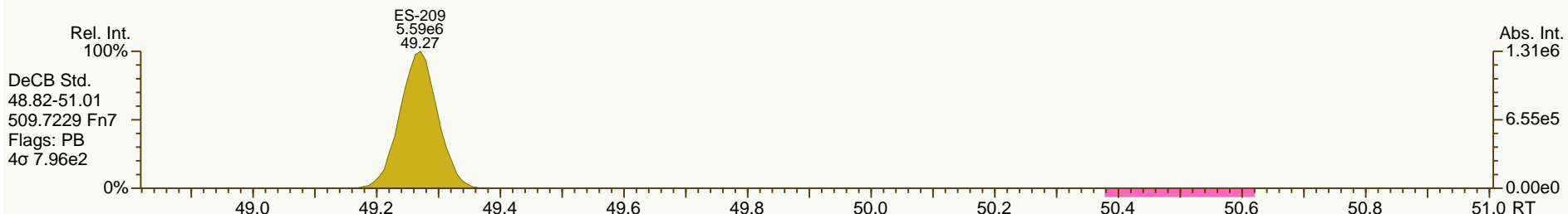
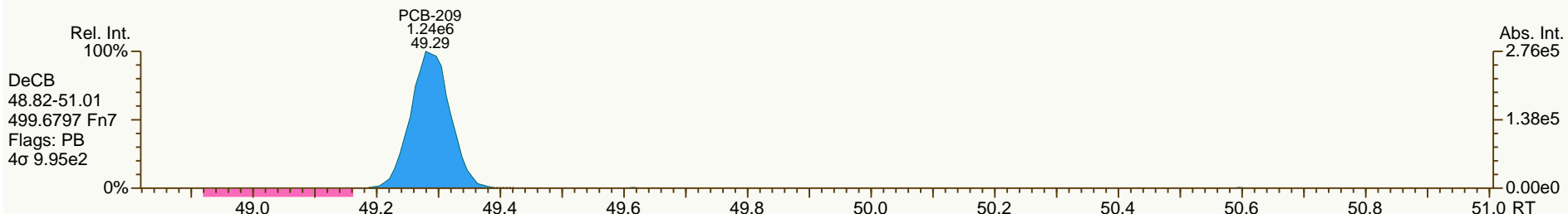
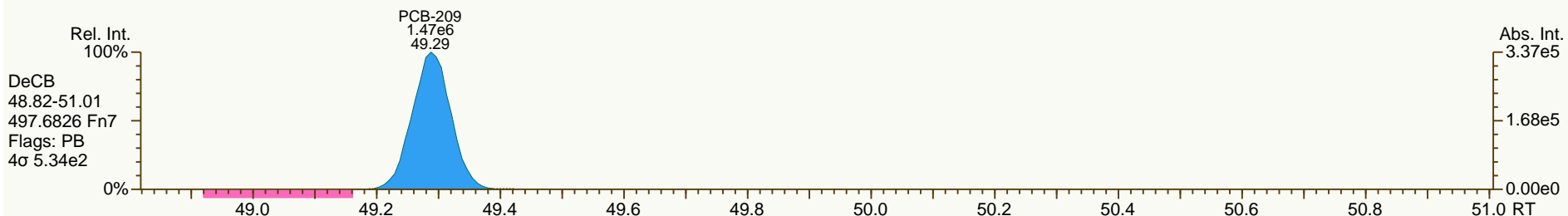
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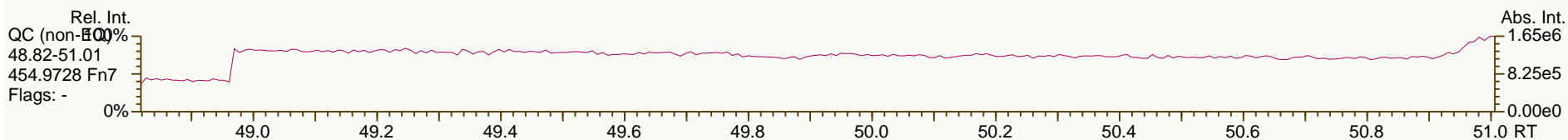
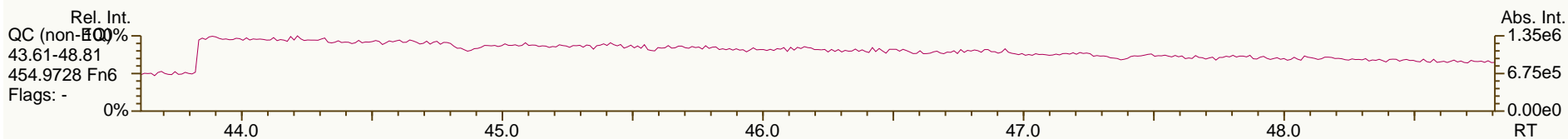
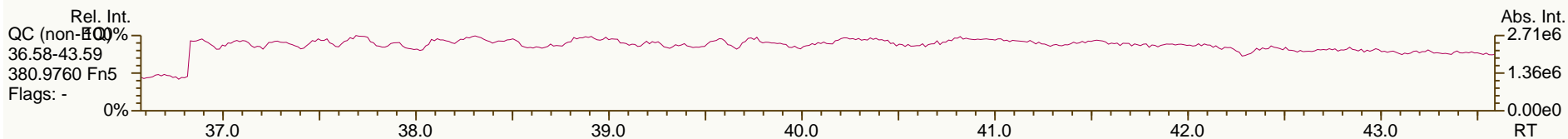
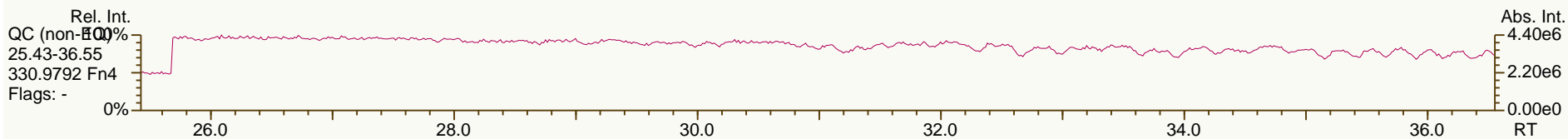
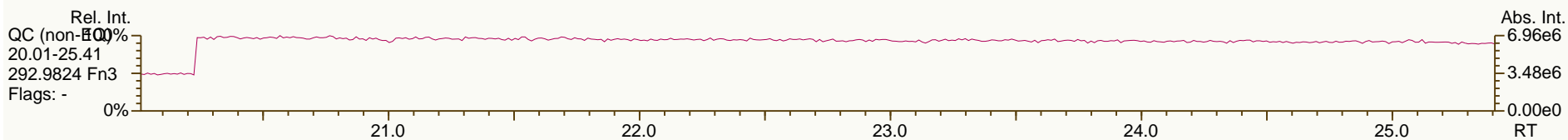
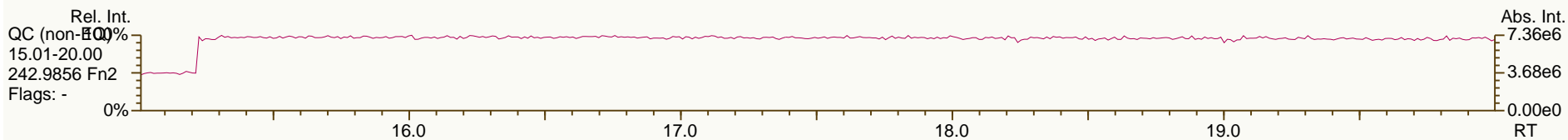
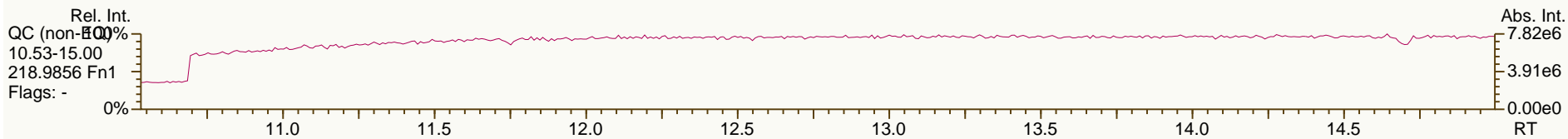
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 49

Acq: 03-Jul-2012 20:03:41
 User: CEM Datafile: 120703V18





22 May 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated-dibenzo-*p*-dioxins, -dibenzofurans and -biphenyls. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen
AP Project #	A5462
Analytical Protocol	Methods 1613B and 1668A
No. Samples Submitted	2
No. Samples Analyzed	2
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	1-May-2013
Condition Received	good
Temperature upon Receipt (C)	3.2
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com,
 c=US
 2013.05.22 16:45:38 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-SSRB-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.99 L	Lab Sample ID	A5462_10924_DF_001	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	03:56:28
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.66			ES 2378-TCDD	96.6	
12378-PeCDD	ND	1.69			ES 12378-PeCDD	91.4	
123478-HxCDD	ND	1.91			ES 123478-HxCDD	93.8	
123678-HxCDD	ND	1.99			ES 123678-HxCDD	88.2	
123789-HxCDD	ND	1.75			ES 123789-HxCDD	95.7	
1234678-HpCDD	ND	1.55			ES 1234678-HpCDD	98.5	
OCDD	ND	3.58			ES OCDD	68.5	
2378-TCDF	ND	1.32			ES 2378-TCDF	94.1	
12378-PeCDF	ND	1.29			ES 12378-PeCDF	95.8	
23478-PeCDF	ND	1.26			ES 23478-PeCDF	90.8	
123478-HxCDF	ND	1.13			ES 123478-HxCDF	100	
123678-HxCDF	ND	1.05			ES 123678-HxCDF	103	
234678-HxCDF	ND	0.998			ES 234678-HxCDF	108	
123789-HxCDF	ND	1.25			ES 123789-HxCDF	103	
1234678-HpCDF	ND	1.17			ES 1234678-HpCDF	101	
1234789-HpCDF	ND	1.3			ES 1234789-HpCDF	108	
OCDF	ND	2.49			ES OCDF	79.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.66	ND		CS 37Cl-2378-TCDD	113	
Total PeCDD	ND	1.69	ND		CS 12347-PeCDD	113	
Total HxCDD	ND	1.88	ND		CS 12346-PeCDF	110	
Total HpCDD	ND	1.55	ND		CS 123469-HxCDF	127	
Total TCDF	ND	1.32	ND		CS 1234689-HpCDF	129	
Total PeCDF	ND	1.28	ND		AS 1368-TCDD	111	
Total HxCDF	ND	1.1	ND		AS 1368-TCDF	113	
Total HpCDF	ND	1.23	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	2.47	2.47	2.47				
TEQ: ND=DL	4.94	4.94	4.94				



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Sample ID: JW-SSFB-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.98 L	Lab Sample ID:	A5462_10924_DF_002	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:48:03
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.38			ES 2378-TCDD	93.2	
12378-PeCDD	ND	1.29			ES 12378-PeCDD	91.9	
123478-HxCDD	ND	1.82			ES 123478-HxCDD	84.9	
123678-HxCDD	ND	1.99			ES 123678-HxCDD	75.5	
123789-HxCDD	ND	1.76			ES 123789-HxCDD	81.7	
1234678-HpCDD	ND	1.34			ES 1234678-HpCDD	86.9	
OCDD	ND	2.8			ES OCDD	64.8	
2378-TCDF	ND	1.18			ES 2378-TCDF	87.9	
12378-PeCDF	ND	1.07			ES 12378-PeCDF	90.8	
23478-PeCDF	ND	1.18			ES 23478-PeCDF	81.5	
123478-HxCDF	ND	0.951			ES 123478-HxCDF	89.5	
123678-HxCDF	ND	1.04			ES 123678-HxCDF	80.9	
234678-HxCDF	ND	0.975			ES 234678-HxCDF	84.6	
123789-HxCDF	ND	1			ES 123789-HxCDF	101	
1234678-HpCDF	ND	1.26			ES 1234678-HpCDF	85.8	
1234789-HpCDF	ND	1.25			ES 1234789-HpCDF	93.9	
OCDF	ND	2.22			ES OCDF	71.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.38	ND		CS 37Cl-2378-TCDD	106	
Total PeCDD	ND	1.29	ND		CS 12347-PeCDD	107	
Total HxCDD	ND	1.85	ND		CS 12346-PeCDF	106	
Total HpCDD	ND	1.34	ND		CS 123469-HxCDF	114	
Total TCDF	ND	1.18	ND		CS 1234689-HpCDF	111	
Total PeCDF	ND	1.12	ND		AS 1368-TCDD	95.3	
Total HxCDF	ND	0.992	ND		AS 1368-TCDF	97.1	
Total HpCDF	ND	1.25	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	2.09	2.09	2.09				
TEQ: ND=DL	4.17	4.17	4.17				



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Sample ID: Method Blank A5462**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Lab Project ID:	A5462	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	1.00 L	Lab Sample ID	MB1_10924_DF_TLX	Date Extracted:	09-May-2013
Date Collected:	n/a	pH:	5	QC Batch No:	10924	Date Analyzed:	19-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:21:47
Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	1.41			ES 2378-TCDD	91.2	
12378-PeCDD	ND	1.33			ES 12378-PeCDD	89.4	
123478-HxCDD	ND	1.33			ES 123478-HxCDD	86.1	
123678-HxCDD	ND	1.42			ES 123678-HxCDD	81.4	
123789-HxCDD	ND	1.29			ES 123789-HxCDD	87.6	
1234678-HpCDD	ND	1.31			ES 1234678-HpCDD	93.3	
OCDD	ND	2.4			ES OCDD	66.1	
2378-TCDF	ND	0.989			ES 2378-TCDF	88.4	
12378-PeCDF	ND	1.09			ES 12378-PeCDF	88.4	
23478-PeCDF	ND	1.08			ES 23478-PeCDF	82.7	
123478-HxCDF	ND	0.799			ES 123478-HxCDF	92.7	
123678-HxCDF	ND	0.812			ES 123678-HxCDF	94.9	
234678-HxCDF	ND	0.761			ES 234678-HxCDF	98.2	
123789-HxCDF	ND	1.01			ES 123789-HxCDF	96.3	
1234678-HpCDF	ND	1.02			ES 1234678-HpCDF	91.6	
1234789-HpCDF	ND	1.06			ES 1234789-HpCDF	101	
OCDF	ND	2.1			ES OCDF	76.6	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	1.41	ND		CS 37Cl-2378-TCDD	99.6	
Total PeCDD	ND	1.33	ND		CS 12347-PeCDD	95.5	
Total HxCDD	ND	1.35	ND		CS 12346-PeCDF	95.1	
Total HpCDD	ND	1.31	ND		CS 123469-HxCDF	108	
Total TCDF	ND	0.989	ND		CS 1234689-HpCDF	108	
Total PeCDF	ND	1.09	ND		AS 1368-TCDD	96	
Total HxCDF	ND	0.839	ND		AS 1368-TCDF	95.2	
Total HpCDF	ND	1.04	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	1.99	1.99	1.99				
TEQ: ND=DL	3.97	3.97	3.97				



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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.63	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	49	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	52.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	47.7	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	48.9	35	- 70	Y
OCDD	100	101	78	- 144	Y
2,3,7,8-TCDF	10	10.6	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	49.4	40	- 67	Y
2,3,4,7,8-PeCDF	50	51.5	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	49	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	48.6	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.5	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	48.7	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	51.2	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	48.7	39	- 69	Y
OCDF	100	103	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.6	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	84.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	85.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	89.6	26	-	166	Y
13C-OCDD	200	136	26	-	397	Y
13C-2,3,7,8-TCDF	100	86	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	83.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	78.2	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	90.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	92	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	96.4	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	95	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	88.8	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96	20	-	186	Y
13C-OCDF	200	154	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.4	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 May 2013 11:49 Analyst: MC

Sample ID: JW-SSRB-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.99 L	Sample ID:	A5462_10924_PCB_001	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L				%
PCB-77 33'44'-TeCB	1.18			J	ES PCB-1		88.7
PCB-81 344'5'-TeCB	ND	0.907			ES PCB-3		96.6
PCB-105 233'44'-PeCB	3.08			J B	ES PCB-4		116
PCB-114 2344'5'-PeCB	ND	0.647			ES PCB-15		112
PCB-118 23'44'5'-PeCB	5.68			J B	ES PCB-19		108
PCB-123 23'44'5'-PeCB	ND	0.623			ES PCB-37		102
PCB-126 33'44'5'-PeCB	ND	0.753			ES PCB-54		80.7
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		1	J B C	ES PCB-77		114
PCB-167 23'44'55'-HxCB	ND	0.512			ES PCB-81		113
PCB-169 33'44'55'-HxCB	ND	1.35			ES PCB-104		83.2
PCB-189 233'44'55'-HpCB	ND	0.503			ES PCB-105		110
					ES PCB-114		108
TEQs (WHO M/H)					ES PCB-118		107
					ES PCB-123		108
ND = 0	0.000381		0.000411		ES PCB-126		106
ND = 0.5 x DL	0.0584		0.0584		ES PCB-153		109
ND = DL	0.116		0.116		ES PCB-155		101
					ES PCB-156/157		113
Totals					ES PCB-167		115
Mono-CBs	ND	1.54			ES PCB-169		48.6
Di-CBs	15.7				ES PCB-170		108
Tri-CBs	3.45		5.5		ES PCB-180		110
Tetra-CBs	7.2		10.3		ES PCB-188		79.9
Penta-CBs	24		25.9		ES PCB-189		112
Hexa-CBs	18.2		21.3		ES PCB-202		90.9
Hepta-CBs	2.76		3.57		ES PCB-205		104
Octa-CBs	ND	0.708			ES PCB-206		106
Nona-CBs	ND	1.72			ES PCB-208		112
Deca-CB	EMPC		0.805	J B	ES PCB-209		111
					CS PCB-28		97.5
Total PCB (Mono-Deca)	71.3		83.1		CS PCB-111		117
					CS PCB-178		85.6


Checkcode: 623-716-SKK

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:48 Analyst: LB



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Sample ID: JW-SSRB-130429						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: 01-May-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 0.99 L			Sample ID: A5462_10924_PCB_001			Date Extracted: 09-May-2013								
Date Collected: 29-Apr-2013			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013								
			Units: pg/L			Checkcode: 623-716-SKK			Time Analyzed: 20:35:05								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(1.45)		PCB-19	(2.18)		PCB-54	(0.631)		PCB-72	(0.882)							
PCB-2	(1.62)		PCB-30/18	1.85	J C	PCB-50/53	(0.817)	C	PCB-68	(0.831)							
PCB-3	(1.64)		PCB-17	(1.91)		PCB-45	(1.01)		PCB-57	(0.929)							
			PCB-27	(1.43)		PCB-51	(0.767)		PCB-58	(0.9)							
Conc.	0		PCB-24	(1.48)		PCB-46	(1.02)		PCB-67	(0.868)							
EMPC	0		PCB-16	(2.48)		PCB-52	[1.93]	J B EMPC	PCB-63	(0.819)							
			PCB-32	(1.35)		PCB-73	(0.638)		PCB-61/70/74/76	3.11	J B C						
Di	Conc.	Qualifiers	PCB-34	(1.31)		PCB-43	(0.983)		PCB-66	[1.2]	J EMPC						
PCB-4	(1.94)		PCB-23	(1.3)		PCB-69/49	0.9	J C	PCB-55	(0.935)							
PCB-10	(1.25)		PCB-26/29	(1.28)	C	PCB-48	(0.825)		PCB-56	(0.962)							
PCB-9	(1.97)		PCB-25	(1.28)		PCB-44/47/65	2.01	J B C	PCB-60	(0.928)							
PCB-7	(1.74)		PCB-31	1.6	J B	PCB-59/62/75	(0.612)	C	PCB-80	(0.8)							
PCB-6	(1.84)		PCB-28/20	[2.05]	J B EMPC C	PCB-42	(0.883)		PCB-79	(0.809)							
PCB-5	(1.85)		PCB-21/33	(1.25)	C	PCB-41	(0.947)		PCB-78	(0.964)							
PCB-8	1.96	J	PCB-22	(1.35)		PCB-71/40	(0.82)	C	PCB-81	(0.907)							
PCB-14	(1.53)		PCB-36	(1.23)		PCB-64	(0.57)		PCB-77	1.18	J						
PCB-11	13.7	B	PCB-39	(1.18)													
PCB-13/12	(1.76)	C	PCB-38	(1.3)													
PCB-15	(1.58)		PCB-35	(1.34)													
			PCB-37	(1.29)													
Conc.	15.7		Conc.	3.45					Conc.	7.2							
EMPC	15.7		EMPC	5.5					EMPC	10.3							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						19.2			21.2		
						Tetra-Hexa						49.4			57.5		
						Hepta-Deca						2.76			4.37		
						Mono-Deca						71.3			83.1		

Sample ID: JW-SSRB-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.693)		PCB-108/119/86/97/125/87	3.29	J B C	PCB-155	(0.568)		PCB-165	(0.608)	
PCB-96	(0.707)		PCB-117	(0.628)		PCB-152	(0.543)		PCB-146	(0.693)	
PCB-103	(0.779)		PCB-116/85	(0.768)	C	PCB-150	(0.534)		PCB-161	(0.543)	
PCB-94	(0.902)		PCB-110	6.16	J B	PCB-136	(0.575)		PCB-153/168	4.23	J B C
PCB-95	[1.89]	J EMPC	PCB-115	(0.647)		PCB-145	(0.563)		PCB-141	[1.12]	J EMPC
PCB-100/93	(0.849)	C	PCB-82	(1.01)		PCB-148	(0.709)		PCB-130	(0.831)	
PCB-102	(0.738)		PCB-111	(0.591)		PCB-151/135	1.33	J C	PCB-137	(0.731)	
PCB-98	(0.929)		PCB-120	(0.593)		PCB-154	(0.638)		PCB-164	(0.535)	
PCB-88	(0.935)		PCB-107/124	(0.642)	C	PCB-144	(0.716)		PCB-163/138/129	6.58	J B C
PCB-91	(0.763)		PCB-109	(0.58)		PCB-147/149	3.8	J B C	PCB-160	(0.578)	
PCB-84	(0.991)		PCB-123	(0.623)		PCB-134	(0.881)		PCB-158	(0.525)	
PCB-89	(0.925)		PCB-106	(0.66)		PCB-143	(0.749)		PCB-128/166	[0.921]	J EMPC C
PCB-121	(0.61)		PCB-118	5.68	J B	PCB-139/140	(0.7)	C	PCB-159	(0.559)	
PCB-92	(0.867)		PCB-122	(0.708)		PCB-131	(0.808)		PCB-162	(0.556)	
PCB-113/90/101	4.21	J B C	PCB-114	(0.647)		PCB-142	(0.83)		PCB-167	(0.512)	
PCB-83	(1)		PCB-105	3.08	J B	PCB-132	2.27	J	PCB-156/157	[1]	J B EMPC C
PCB-99	1.58	J	PCB-127	(0.626)		PCB-133	(0.749)		PCB-169	(1.35)	
PCB-112	(0.656)		PCB-126	(0.753)							
			Conc.	24					Conc.	18.2	
			EMPC	25.9					EMPC	21.3	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.774)		PCB-174	(0.725)		PCB-202	(0.771)		PCB-208	(1.33)	
PCB-179	(0.727)		PCB-177	(0.727)		PCB-201	(0.62)		PCB-207	(1.3)	
PCB-184	(0.738)		PCB-181	(0.637)		PCB-204	(0.661)		PCB-206	(2.1)	
PCB-176	(0.666)		PCB-171/173	(0.719)	C	PCB-197	(0.63)				
PCB-186	(0.708)		PCB-172	(0.694)		PCB-200	(0.631)		Conc.	0	
PCB-178	(0.97)		PCB-192	(0.538)		PCB-198/199	(0.907)	C	EMPC	0	
PCB-175	(0.638)		PCB-180/193	1.72	J B C	PCB-196	(0.872)				
PCB-187	1.04	J	PCB-191	(0.512)		PCB-203	(0.842)		Deca	Conc.	Qualifiers
PCB-182	(0.595)		PCB-170	[0.81]	J EMPC	PCB-195	(0.915)		PCB-209	[0.805]	J B EMPC
PCB-183	(0.548)		PCB-190	(0.522)		PCB-194	(0.876)				
PCB-185	(0.679)		PCB-189	(0.503)		PCB-205	(0.646)				
			Conc.	2.76		Conc.	0				
			EMPC	3.57		EMPC	0				

Sample ID: JW-SSFB-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	0.98 L	Sample ID:	A5462_10924_PCB_002	Date Extracted:	09-May-2013
Date Collected:	29-Apr-2013	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	0.89			ES PCB-1	72.3	
PCB-81 344'5'-TeCB	ND	0.974			ES PCB-3	78.6	
PCB-105 233'44'-PeCB	EMPC		2.56	J B	ES PCB-4	94.1	
PCB-114 2344'5'-PeCB	ND	0.727			ES PCB-15	93.5	
PCB-118 23'44'5'-PeCB	5.37			J B	ES PCB-19	87.4	
PCB-123 23'44'5'-PeCB	ND	0.709			ES PCB-37	84.5	
PCB-126 33'44'5'-PeCB	ND	0.783			ES PCB-54	67.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	EMPC		1.73	J B C	ES PCB-77	94.1	
PCB-167 23'44'55'-HxCB	ND	0.587			ES PCB-81	92.6	
PCB-169 33'44'55'-HxCB	ND	1.84			ES PCB-104	67.3	
PCB-189 233'44'55'-HpCB	ND	0.606			ES PCB-105	91.1	
					ES PCB-114	87.9	
TEQs (WHO M/H)					ES PCB-118	90	
					ES PCB-123	89.6	
ND = 0	0.000161		0.00029		ES PCB-126	84.6	
ND = 0.5 x DL	0.0671		0.0672		ES PCB-153	86.9	
ND = DL	0.134		0.134		ES PCB-155	81.2	
					ES PCB-156/157	92.7	
Totals					ES PCB-167	92.2	
Mono-CBs	ND	1.88			ES PCB-169	30.9	
Di-CBs	20.3				ES PCB-170	90.1	
Tri-CBs	2.67		4.42		ES PCB-180	90.6	
Tetra-CBs	9.31				ES PCB-188	64.9	
Penta-CBs	16.3		20.5		ES PCB-189	92.7	
Hexa-CBs	25.7		27.4		ES PCB-202	74.6	
Hepta-CBs	5.01		6.01		ES PCB-205	86.7	
Octa-CBs	ND	0.733			ES PCB-206	88.3	
Nona-CBs	ND	1.86			ES PCB-208	92.5	
Deca-CB	EMPC		0.833	J B	ES PCB-209	90.5	
					CS PCB-28	81.3	
Total PCB (Mono-Deca)	79.3		88.8		CS PCB-111	96.3	
					CS PCB-178	70.8	


Checkcode: 232-755-RXY

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:48 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SSFB-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 0.98 L			Sample ID: A5462_10924_PCB_002			Date Extracted: 09-May-2013		
Date Collected: 29-Apr-2013			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013		
			Units: pg/L			Checkcode: 232-755-RXY			Time Analyzed: 21:30:05		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.79)		PCB-19	(2.42)		PCB-54	(0.796)		PCB-72	(0.946)	
PCB-2	(1.96)		PCB-30/18	(1.82)	C	PCB-50/53	(0.781)	C	PCB-68	(0.892)	
PCB-3	(1.98)		PCB-17	(2.12)		PCB-45	(0.968)		PCB-57	(0.997)	
			PCB-27	(1.59)		PCB-51	(0.733)		PCB-58	(0.966)	
Conc.	0		PCB-24	(1.65)		PCB-46	(0.972)		PCB-67	(0.932)	
EMPC	0		PCB-16	(2.75)		PCB-52	2.39	J B	PCB-63	(0.879)	
			PCB-32	(1.49)		PCB-73	(0.609)		PCB-61/70/74/76	2.45	J B C
Di	Conc.	Qualifiers	PCB-34	(1.52)		PCB-43	(0.94)		PCB-66	1.08	J
PCB-4	(1.68)		PCB-23	(1.51)		PCB-69/49	0.705	J C	PCB-55	(1)	
PCB-10	(1.08)		PCB-26/29	(1.49)	C	PCB-48	(0.789)		PCB-56	(1.03)	
PCB-9	(2.4)		PCB-25	(1.48)		PCB-44/47/65	2	J B C	PCB-60	(0.996)	
PCB-7	(2.12)		PCB-31	[1.76]	J B EMPC	PCB-59/62/75	(0.585)	C	PCB-80	(0.859)	
PCB-6	(2.24)		PCB-28/20	2.67	J B C	PCB-42	(0.844)		PCB-79	(0.868)	
PCB-5	(2.25)		PCB-21/33	(1.45)	C	PCB-41	(0.905)		PCB-78	(1.03)	
PCB-8	3	J	PCB-22	(1.57)		PCB-71/40	(0.784)	C	PCB-81	(0.974)	
PCB-14	(1.87)		PCB-36	(1.43)		PCB-64	0.691	J	PCB-77	(0.89)	
PCB-11	17.3	B	PCB-39	(1.37)							
PCB-13/12	(2.15)	C	PCB-38	(1.51)							
PCB-15	(1.92)		PCB-35	(1.55)							
			PCB-37	(1.5)							
Conc.	20.3		Conc.	2.67					Conc.	9.31	
EMPC	20.3		EMPC	4.42					EMPC	9.31	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		23		24.8	
						Tetra-Hexa		51.3		57.2	
						Hepta-Deca		5.01		6.85	
						Mono-Deca		79.3		88.8	

Sample ID: JW-SSFB-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.732)		PCB-108/119/86/97/125/87	2.85	J B C	PCB-155	(0.601)		PCB-165	(0.612)	
PCB-96	(0.746)		PCB-117	(0.715)		PCB-152	(0.575)		PCB-146	1.04	J
PCB-103	(0.887)		PCB-116/85	(0.874)	C	PCB-150	(0.565)		PCB-161	(0.547)	
PCB-94	(1.03)		PCB-110	4.88	J B	PCB-136	(0.609)		PCB-153/168	5.37	J B C
PCB-95	[1.63]	J EMPC	PCB-115	(0.736)		PCB-145	(0.596)		PCB-141	1.42	J
PCB-100/93	(0.966)	C	PCB-82	(1.15)		PCB-148	(0.714)		PCB-130	(0.837)	
PCB-102	(0.839)		PCB-111	(0.672)		PCB-151/135	1.62	J C	PCB-137	(0.736)	
PCB-98	(1.06)		PCB-120	(0.674)		PCB-154	(0.642)		PCB-164	1.11	J
PCB-88	(1.06)		PCB-107/124	(0.73)	C	PCB-144	(0.721)		PCB-163/138/129	7.69	J B C
PCB-91	(0.868)		PCB-109	(0.66)		PCB-147/149	3.69	J B C	PCB-160	(0.582)	
PCB-84	(1.13)		PCB-123	(0.709)		PCB-134	(0.887)		PCB-158	(0.529)	
PCB-89	(1.05)		PCB-106	(0.751)		PCB-143	(0.755)		PCB-128/166	1.46	J C
PCB-121	(0.694)		PCB-118	5.37	J B	PCB-139/140	(0.704)	C	PCB-159	(0.642)	
PCB-92	(0.986)		PCB-122	(0.795)		PCB-131	(0.814)		PCB-162	(0.638)	
PCB-113/90/101	3.16	J B C	PCB-114	(0.727)		PCB-142	(0.836)		PCB-167	(0.587)	
PCB-83	(1.14)		PCB-105	[2.56]	J B EMPC	PCB-132	2.29	J	PCB-156/157	[1.73]	J B EMPC C
PCB-99	(0.828)		PCB-127	(0.708)		PCB-133	(0.754)		PCB-169	(1.84)	
PCB-112	(0.746)		PCB-126	(0.783)							
			Conc.	16.3					Conc.	25.7	
			EMPC	20.5					EMPC	27.4	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.74)		PCB-174	[0.999]	J EMPC	PCB-202	(0.777)		PCB-208	(1.48)	
PCB-179	(0.696)		PCB-177	1.24	J	PCB-201	(0.626)		PCB-207	(1.44)	
PCB-184	(0.706)		PCB-181	(0.836)		PCB-204	(0.667)		PCB-206	(2.25)	
PCB-176	(0.636)		PCB-171/173	(0.945)	C	PCB-197	(0.636)				
PCB-186	(0.678)		PCB-172	(0.912)		PCB-200	(0.636)		Conc.	0	
PCB-178	(0.928)		PCB-192	(0.706)		PCB-198/199	(0.915)	C	EMPC	0	
PCB-175	(0.838)		PCB-180/193	2.46	J B C	PCB-196	(0.88)				
PCB-187	(0.798)		PCB-191	(0.672)		PCB-203	(0.85)		Deca	Conc.	Qualifiers
PCB-182	(0.782)		PCB-170	1.32	J	PCB-195	(0.975)		PCB-209	[0.833]	J B EMPC
PCB-183	(0.72)		PCB-190	(0.677)		PCB-194	(0.933)				
PCB-185	(0.892)		PCB-189	(0.606)		PCB-205	(0.688)				
			Conc.	5.01		Conc.	0				
			EMPC	6.01		EMPC	0				

Sample ID: Method Blank A5462**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Aqueous	Project No.:	A5462	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	1.00 L	Sample ID:	MB1_10924_PCB_TLX	Date Extracted:	09-May-2013
Date Collected:	n/a	pH	5	QC Batch No.:	10924	Date Analyzed:	18-May-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	1.03			ES PCB-1	69.8	
PCB-81 344'5'-TeCB	ND	1.1			ES PCB-3	76.7	
PCB-105 233'44'-PeCB	1.52			J	ES PCB-4	91.4	
PCB-114 2344'5'-PeCB	ND	0.715			ES PCB-15	90	
PCB-118 23'44'5'-PeCB	EMPC		1.35	J	ES PCB-19	83.3	
PCB-123 23'44'5'-PeCB	ND	0.707			ES PCB-37	84.8	
PCB-126 33'44'5'-PeCB	1.56			J	ES PCB-54	62.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	1.25			J C	ES PCB-77	95	
PCB-167 23'44'55'-HxCB	ND	0.591			ES PCB-81	93.4	
PCB-169 33'44'55'-HxCB	EMPC		3.46	J	ES PCB-104	64.7	
PCB-189 233'44'55'-HpCB	ND	0.562			ES PCB-105	91.1	
					ES PCB-114	90.3	
TEQs (WHO M/H)					ES PCB-118	90.9	
					ES PCB-123	89.2	
ND = 0	0.156		0.26		ES PCB-126	84.2	
ND = 0.5 x DL	0.188		0.26		ES PCB-153	90.2	
ND = DL	0.22		0.26		ES PCB-155	82	
					ES PCB-156/157	92.2	
Totals					ES PCB-167	94.1	
Mono-CBs	ND	1.71			ES PCB-169	29.4	
Di-CBs	19.3				ES PCB-170	87.8	
Tri-CBs	4.41				ES PCB-180	90.7	
Tetra-CBs	3.95		4.99		ES PCB-188	64.8	
Penta-CBs	6.22		9.35		ES PCB-189	91.9	
Hexa-CBs	5.17		10.7		ES PCB-202	75.1	
Hepta-CBs			1.38		ES PCB-205	83.7	
Octa-CBs	ND	0.647			ES PCB-206	86.2	
Nona-CBs	ND	2.13			ES PCB-208	94.3	
Deca-CB	1.25			J	ES PCB-209	89	
					CS PCB-28	80.5	
Total PCB (Mono-Deca)	40.3		51.4		CS PCB-111	97.1	
					CS PCB-178	68.8	


Checkcode: 228-058-PWW

SGS AP PCB 2013 Rev. 1.2

Report Created: 21-May-2013 14:47 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5462						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Aqueous			Project No.: A5462			Date Received: n/a								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 1.00 L			Sample ID: MB1_10924_PCB_TLX			Date Extracted: 09-May-2013								
Date Collected: n/a			pH: 5			QC Batch No.: 10924			Date Analyzed: 18-May-2013								
			Units: pg/L			Checkcode: 228-058-PWW			Time Analyzed: 17:50:04								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	(1.63)		PCB-19	(2.42)		PCB-54	(1.05)		PCB-72	(1.06)							
PCB-2	(1.77)		PCB-30/18	(1.82)	C	PCB-50/53	(0.779)	C	PCB-68	(1)							
PCB-3	(1.79)		PCB-17	(2.12)		PCB-45	(0.965)		PCB-57	(1.12)							
			PCB-27	(1.59)		PCB-51	(0.731)		PCB-58	(1.09)							
Conc.	0		PCB-24	(1.64)		PCB-46	(0.969)		PCB-67	(1.05)							
EMPC	0		PCB-16	(2.75)		PCB-52	1.8	J	PCB-63	(0.988)							
			PCB-32	(1.49)		PCB-73	(0.607)		PCB-61/70/74/76	2.15	J C						
Di	Conc.	Qualifiers	PCB-34	(1.07)		PCB-43	(0.936)		PCB-66	(1.15)							
PCB-4	(1.92)		PCB-23	(1.06)		PCB-69/49	(0.659)	C	PCB-55	(1.13)							
PCB-10	(1.24)		PCB-26/29	(1.04)	C	PCB-48	(0.786)		PCB-56	(1.16)							
PCB-9	(2.07)		PCB-25	(1.04)		PCB-44/47/65	[1.04]	J EMPC C	PCB-60	(1.12)							
PCB-7	(1.82)		PCB-31	1.72	J	PCB-59/62/75	(0.583)	C	PCB-80	(0.966)							
PCB-6	(1.93)		PCB-28/20	2.69	J C	PCB-42	(0.841)		PCB-79	(0.976)							
PCB-5	(1.94)		PCB-21/33	(1.02)	C	PCB-41	(0.902)		PCB-78	(1.16)							
PCB-8	(1.89)		PCB-22	(1.1)		PCB-71/40	(0.781)	C	PCB-81	(1.1)							
PCB-14	(1.61)		PCB-36	(1)		PCB-64	(0.543)		PCB-77	(1.03)							
PCB-11	19.3	B	PCB-39	(0.962)													
PCB-13/12	(1.85)	C	PCB-38	(1.06)													
PCB-15	(1.66)		PCB-35	(1.09)													
			PCB-37	(1.05)													
Conc.	19.3		Conc.	4.41					Conc.	3.95							
EMPC	19.3		EMPC	4.41					EMPC	4.99							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						23.7			23.7		
						Tetra-Hexa						15.3			25		
						Hepta-Deca						1.25			2.63		
						Mono-Deca			40.3			51.4					

Sample ID: Method Blank A5462						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.779)		PCB-108/119/86/97/125/87	1.53	J C	PCB-155	(0.667)		PCB-165	(0.709)	
PCB-96	(0.794)		PCB-117	(0.713)		PCB-152	(0.638)		PCB-146	(0.808)	
PCB-103	(0.885)		PCB-116/85	(0.873)	C	PCB-150	(0.627)		PCB-161	(0.634)	
PCB-94	(1.02)		PCB-110	1.62	J	PCB-136	(0.676)		PCB-153/168	2.04	J C
PCB-95	(0.956)		PCB-115	(0.735)		PCB-145	(0.661)		PCB-141	(0.864)	
PCB-100/93	(0.964)	C	PCB-82	(1.15)		PCB-148	(0.828)		PCB-130	(0.97)	
PCB-102	(0.838)		PCB-111	(0.671)		PCB-151/135	(0.856)	C	PCB-137	(0.853)	
PCB-98	(1.05)		PCB-120	(0.673)		PCB-154	(0.744)		PCB-164	(0.624)	
PCB-88	(1.06)		PCB-107/124	(0.729)	C	PCB-144	(0.836)		PCB-163/138/129	[2.04]	J EMPC C
PCB-91	(0.866)		PCB-109	(0.659)		PCB-147/149	1.88	J C	PCB-160	(0.674)	
PCB-84	(1.13)		PCB-123	(0.707)		PCB-134	(1.03)		PCB-158	(0.613)	
PCB-89	(1.05)		PCB-106	(0.749)		PCB-143	(0.874)		PCB-128/166	(0.768)	C
PCB-121	(0.692)		PCB-118	[1.35]	J EMPC	PCB-139/140	(0.816)	C	PCB-159	(0.646)	
PCB-92	(0.984)		PCB-122	(0.782)		PCB-131	(0.943)		PCB-162	(0.642)	
PCB-113/90/101	[1.78]	J EMPC C	PCB-114	(0.715)		PCB-142	(0.969)		PCB-167	(0.591)	
PCB-83	(1.14)		PCB-105	1.52	J	PCB-132	(0.919)		PCB-156/157	1.25	J C
PCB-99	(0.826)		PCB-127	(0.718)		PCB-133	(0.874)		PCB-169	[3.46]	J EMPC
PCB-112	(0.745)		PCB-126	[1.56]	J						
			Conc.	6.22					Conc.	5.17	
			EMPC	9.35					EMPC	10.7	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.558)		PCB-174	(0.949)		PCB-202	(0.727)		PCB-208	(1.63)	
PCB-179	(0.524)		PCB-177	(0.951)		PCB-201	(0.585)		PCB-207	(1.59)	
PCB-184	(0.532)		PCB-181	(0.834)		PCB-204	(0.624)		PCB-206	(2.62)	
PCB-176	(0.479)		PCB-171/173	(0.942)	C	PCB-197	(0.595)				
PCB-186	(0.51)		PCB-172	(0.909)		PCB-200	(0.595)		Conc.	0	
PCB-178	(0.699)		PCB-192	(0.704)		PCB-198/199	(0.855)	C	EMPC	0	
PCB-175	(0.835)		PCB-180/193	[1.38]	J EMPC C	PCB-196	(0.823)				
PCB-187	(0.795)		PCB-191	(0.67)		PCB-203	(0.795)		Deca	Conc.	Qualifiers
PCB-182	(0.779)		PCB-170	(1.01)		PCB-195	(0.802)		PCB-209	1.25	J
PCB-183	(0.718)		PCB-190	(0.705)		PCB-194	(0.768)				
PCB-185	(0.889)		PCB-189	(0.562)		PCB-205	(0.566)				
			Conc.	0		Conc.	0				
			EMPC	1.38		EMPC	0				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	111	50 - 150	Y
PCB-3 4-MoCB	50	111	50 - 150	Y
PCB-4 22'-DiCB	50	110	50 - 150	Y
PCB-15 44'-DiCB	50	104	50 - 150	Y
PCB-19 22'6'-TrCB	50	107	50 - 150	Y
PCB-37 344'-TrCB	50	111	50 - 150	Y
PCB-54 22'66'-TeCB	50	125	50 - 150	Y
PCB-77 33'44'-TeCB	50	107	50 - 150	Y
PCB-81 344'5'-TeCB	50	111	50 - 150	Y
PCB-104 22'466'-PeCB	50	123	50 - 150	Y
PCB-105 233'44'-PeCB	50	115	50 - 150	Y
PCB-114 2344'5'-PeCB	50	116	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	108	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	123	50 - 150	Y
PCB-156/157 ...-HxCB	100	104	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	108	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	126	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	106	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	123	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	100	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	108	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	110	50 - 150	Y
PCB-209 DeCB	50	109	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 21 May 2013 14:47 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	66.9	30 - 140	Y
ES PCB-3	100	73.3	30 - 140	Y
ES PCB-4	100	87.4	30 - 140	Y
ES PCB-15	100	85.7	30 - 140	Y
ES PCB-19	100	82.5	30 - 140	Y
ES PCB-37	100	82.5	30 - 140	Y
ES PCB-54	100	61.6	30 - 140	Y
ES PCB-77	100	93	30 - 140	Y
ES PCB-81	100	92.1	30 - 140	Y
ES PCB-104	100	61.8	30 - 140	Y
ES PCB-105	100	86.1	30 - 140	Y
ES PCB-114	100	85.4	30 - 140	Y
ES PCB-118	100	85.5	30 - 140	Y
ES PCB-123	100	84	30 - 140	Y
ES PCB-126	100	84.2	30 - 140	Y
ES PCB-153	100	84.4	30 - 140	Y
ES PCB-155	100	79.6	30 - 140	Y
ES PCB-156/157	200	85.7	30 - 140	Y
ES PCB-167	100	87.7	30 - 140	Y
ES PCB-169	100	39.7	30 - 140	Y
ES PCB-170	100	80.7	30 - 140	Y
ES PCB-180	100	85.2	30 - 140	Y
ES PCB-188	100	61.5	30 - 140	Y
ES PCB-189	100	83.3	30 - 140	Y
ES PCB-202	100	71.1	30 - 140	Y
ES PCB-205	100	74.6	30 - 140	Y
ES PCB-206	100	78.3	30 - 140	Y
ES PCB-208	100	89.1	30 - 140	Y
ES PCB-209	100	82.8	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	81.6	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	67.4	40 - 125	Y

Processed: 21 May 2013 14:47 Analyst: LB



Sample Receipt Notification

ANALYTICAL PERSPECTIVES

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5462
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR OEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: 1668 and D/F
Requested Analysis: 206.903.3396
Phone#:
Email Address: dpeterson@anchoragea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SSRB-130429	A5462_001	Water	2	29-Apr-13	15:45	3.2	1	799649027502
JW-SSFB-130429	A5462_002	Water	2	29-Apr-13	15:45	3.2	1	799649027502

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments: 4/16/13 17+1hrs dogs (circled initials)
 Samples received intact 4/16/13 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager Logged in by: Barbara Hager

QC'd [initials]

SGS Analytical Perspectives



A5462

Anchor QEA 21 of 676
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 1 of 3

Lab Contact:		Project: Jeld-Wen Former Nord Door site			Analyses Requested								Notes/ Comments:
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01			PCB Congeners	Dioxin/Furan Congeners	ARCHIVE						
Address: 5500 Business Drive		Sampler: DG, DP											
City: Wilmington, NC 28405		Shipping Method:											
Phone: 910-350-1903		AirBill #:											
Fax:													
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
FW-SS-101-130429	4/29/2013	1325	Sed	2		X	X						
FW-SS-102-130429	4/29/2013	1303	Sed	2		X	X						
FW-SS-103-130429	4/29/2013	1145	Sed	2		X	X						
FW-SS-104-130429	4/29/2013	1140	Sed	2		X	X						
FW-SS-105-130429	4/29/2013	1205	Sed	2		X	X						
FW-SS-106-130429	4/29/2013	1240	Sed	2	X		X						
FW-SS-107-130429	4/29/2013	1311	Sed	2	X		X						
FW-SS-108-130429	4/29/2013	1200	Sed	2	X	X	X						
FW-SS-109-130429	4/29/2013	1147	Sed	2	X	X	X						
FW-SS-110-130429	4/29/2013	1138	Sed	2	X	X	X						
FW-SS-310-130429	4/29/2013	1139	Sed	1	X	X							
FW-SSRB-130429	4/29/2013	1545	Water	2	X	X							
FW-SSFB-130429	4/29/2013	1545	Water	2	X	X							

Relinquished: (Signature) <i>Delaney Peterson</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name: Delaney Peterson	Printed Name:	Printed Name:		
Company: ACQ	Company:	Company:		
Date/Time: 4/30/13 2PM	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: <i>[Signature]</i>	# of Coolers: 3 Cooler 3.2 Temp(s): 0C COC Seals Intact? Bottles Intact?	
Printed Name:	Printed Name:	Printed Name: A Boehm		
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		

no wet/dry seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5462

- | | | |
|-----|---|----------------------------------|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.2</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u> |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____ |

Comments: _____

Inspected and Logged in by: BAH
 Date: Wed-5/1/13 00:00

SGS

Project Initiation Form

Project Number: A5462Initiation Date: 01-May-13Client Name: ANCHOR QEASample Matrix: AqueousAnalysis Method: 1668ATAT: 21 daysProject Manager: Amy



Special Instructions

1613 w/ OPR
1668A 209 PCBs
17 + homologs, WHO TEFs

Reporting Instructions

1613 w/ OPR
1668A 209 PCBs
17 + homologs, WHO TEFs

PM Initials: dmccall Date: 01-May-2013

 		<div style="border: 1px solid black; display: inline-block; padding: 2px;">1613 PCDD/F</div>				<div style="border: 1px solid black; display: inline-block; padding: 2px;">Water</div>						
Project # A5462		Batch # 10924		Extract Init/Date: 11/5/13		ASECS Init/Date: Thu 5/14/13		Transfer Init/Date: Thu 5/15/13				
AP Sample ID	Client Sample ID	Volume (mL)	Talex #	SDS #	RV		(Td)	Clean-up	Observations			
					#	Initials						
A5462_10924_001	JW-SSRB-130429	991	5	-	3	MNI	DF Thu	Thu	Clean, Clean			
A5462_10924_002	JW-SSFB-130429	983	6	-	4	MNI	DF Thu	Thu	See 001			
MBI_10924	Method Blank A5462	1000	1	-	2	Q	DF Thu	Thu	Talex DI H ₂ O 04262013			
OPRI_10924	0_10924_OPR001	1000	2	-	2	Q	DF Thu	Thu	Talex DI H ₂ O 04262013			
							5/14/13	5/14/13				
Special Instructions:							Cycle Time		Supply IDs			
M1613/1668A - OPR							Start: 11:55 am		Toluene	04820	Acid Silica	05132013
							Stop: 2:30 pm		CH ₂ CL ₂	04948	Base Silica	05132013
									Sand	—	HydroMatrix	—
									Florisil	05112013	Tetradecane	04112013
							Start:		Hexane	02148	M2504-30	05102013
							Stop:		Silica	05012013	13103-uncate	05132013



1613 PCDD/F

Aqueous

Project # A5462 Batch # 10924

Inter-Department Communication Sheet

ee Ad 21 MAY 13

Special Instructions

M1613/1668A - OPR

SGS		-1613 PCDD/F				Water		
Project #		A5462		Batch #		10924		
SPIKE PROFILE PCDD/Fs								
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent	
PCDD/F	ES	2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	AS/CS	0.8-2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	JS	2 ng	200 ul.	10 pg/ul.	1	20 ul.	Td	
	Ax Batch CS3	0.2 ng	200 ul.	1 pg/ul.	1	20 ul.	Td	
	Td Batch CS3		20 ul.		1	20 ul.	Td	
Spiker Initials/Date: <i>MA 5/9/13</i> <i>MA 5/9/13</i> <i>MA 5/9/13</i> <i>MA 5/10/13</i> <i>MA 5/10/13</i> <i>MA 5/15/13</i>								
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS	<i>Td</i>
		Amount: <i>200-1</i>	Amount: <i>200-1</i>	Amount: <i>20-1</i>	Amount: <i>200-1</i>	Amount: <i>200-1</i>	Amount: <i>200-1</i>	
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	<i>200-1</i>
A5462_10924_001	JW-SSRB-130429	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
A5462_10924_002	JW-SSFB-130429	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
MB1_10924	Method Blank A5462	<i>mn1</i>	<i>-</i>	<i>-</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
OPR1_10924	0_10924_OPR001	<i>mn1</i>	<i>mn1</i>	<i>mn1</i>	<i>mu</i>	<i>mu</i>	<i>mn1</i>	<i>mu</i>
		<i>5-9-13</i>	<i>5-9-13</i>	<i>5-9-13</i>	<i>5/10/13</i>	<i>5/10/13</i>	<i>5-15-13</i>	<i>mu</i>
Standard Information								
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS	
Spike ID		<i>03292013</i>	<i>11012013</i>	<i>03312013</i>	<i>11012013</i>	<i>11012013</i>	<i>11012013</i>	<i>11012013</i>
SIL #		<i>13-14-3</i>	<i>12-17-1</i>	<i>12-77-1</i>	<i>13-14-2</i>	<i>12-97-3</i>	<i>12-97-1</i>	<i>12-97-1</i>
Concentration		10	1	10	4	10	10	
Units		pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	
Exp. Date		<i>3/29/14</i>	<i>4/10/14</i>	<i>9/4/13</i>	<i>3/29/14</i>	<i>11/26/13</i>	<i>11-26-13</i>	
Spike amount (ul)		200	200	20	200	200	200	

TRANSFER: *mu 5/15/13*
 RECEIVED: *mu 5/15/13*



PCB

Water

Project # **A5462** Batch # **10924**

SPIKE PROFILE PCBs

Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	CS	2 ng	20 ul	100 pg/ul	1	20 ul	Nonane
	JS	2 ng	10 ul	200 pg/ul	1	20 ul	Nonane
	AAP68A Batch CS3	1 ng	20 ul	50 pg/ul	1	20 ul	Nonane
	ES	2 ng	20 ul	100 pg/ul	1	20 ul	Nonane

Spiker Initials/Date: **M-5/9/13** **M-5/9/13** **M-5/10/13** **M-5/15/13**

AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS		
		Amount: 20 ul	Amount: 20 ul	Amount: 20 ul	Amount: 10 ul	Amount:	
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	

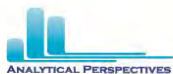
A5462_10924_001	JW-SSRB-130429	mnl	-	ju	mnl		
A5462_10924_002	JW-SSFB-130429	mnl	-	ju	mnl		
MB1_10924	Method Blank A5462	mnl 5.9.13	-	ju	mnl		
OPRI_10924	0_10924_OPR001	mnl	mnl 5.9.13	ju 5/10/13	mnl		
		5.9.13		5/10/13	5-15-13		

Standard Information

Std. Type	PCB ES	AX 209	PCB CS/SS	PCB JS	
Spike ID	07132012F	01102012A	07132012F	07132012D	
SIL #	13-15-2	12-3-1	13-15-1	12-106-3	
Concentration	100	50	100	200	
Units	pg/ul	pg/ul	pg/ul	pg/ul	
Exp. Date	3/29/14	4/10/14	3/29/14	12-20-13	
Spike amount (ul)	20	20	20		

RECEIVED: **AKS 11 May - 2013**

TRANSFER: **ju 5/18/13**



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5462
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: method 1668 & 1613
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

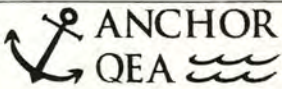
Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SSRB-130429	A5462_001	Water	2	29-Apr-13	15:45	3.2	1	799649027502
JW-SSFB-130429	A5462_002	Water	2	29-Apr-13	15:45	3.2	1	799649027502

Preservation Type: Ice - Good Condition	Sample Seals: No	Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.
Notes/Comments: Samples received intact M1613 17+Homologs M1668A 209 <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 40px; margin: 0 auto;">OPR</div>		

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: AJB



A5462

Anchor QEA 30 of 676
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 1 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			PCB Congeners	Dioxin/Furan Congeners	ARCHIVE					
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers								
FW-SS-101-130429	4/29/2013	1325	Sed	2		X	X					
FW-SS-102-130429	4/29/2013	1303	Sed	2		X	X					
FW-SS-103-130429	4/29/2013	1145	Sed	2		X	X					
FW-SS-104-130429	4/29/2013	1140	Sed	2		X	X					
FW-SS-105-130429	4/29/2013	1205	Sed	2		X	X					
FW-SS-106-130429	4/29/2013	1240	Sed	2	X		X					
FW-SS-107-130429	4/29/2013	1311	Sed	2	X		X					
FW-SS-108-130429	4/29/2013	1200	Sed	2	X	X	X					
FW-SS-109-130429	4/29/2013	1147	Sed	2	X	X	X					
FW-SS-110-130429	4/29/2013	1138	Sed	2	X	X	X					
FW-SS-310-130429	4/29/2013	1139	Sed	1	X	X						
FW-SSRB-130429	4/29/2013	1545	Water	2	X	X						
FW-SSFB-130429	4/29/2013	1545	Water	2	X	X						

Relinquished: (Signature) <i>Dan Allen</i>	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes
Printed Name: Dan Allen	Printed Name:	Printed Name:	
Company: AQ	Company:	Company:	
Date/Time: 4/30/13 2PM	Date/Time:	Date/Time:	
Received By:	Received By: <i>[Signature]</i>	Received By:	# of Coolers: 3 Cooler 3.2 Temp(s): 0C COC Seals Intact? Bottles Intact?
Printed Name:	Printed Name:	Printed Name: A. Boehm	
Company:	Company:	Company: SGS	
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010	

no custody seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

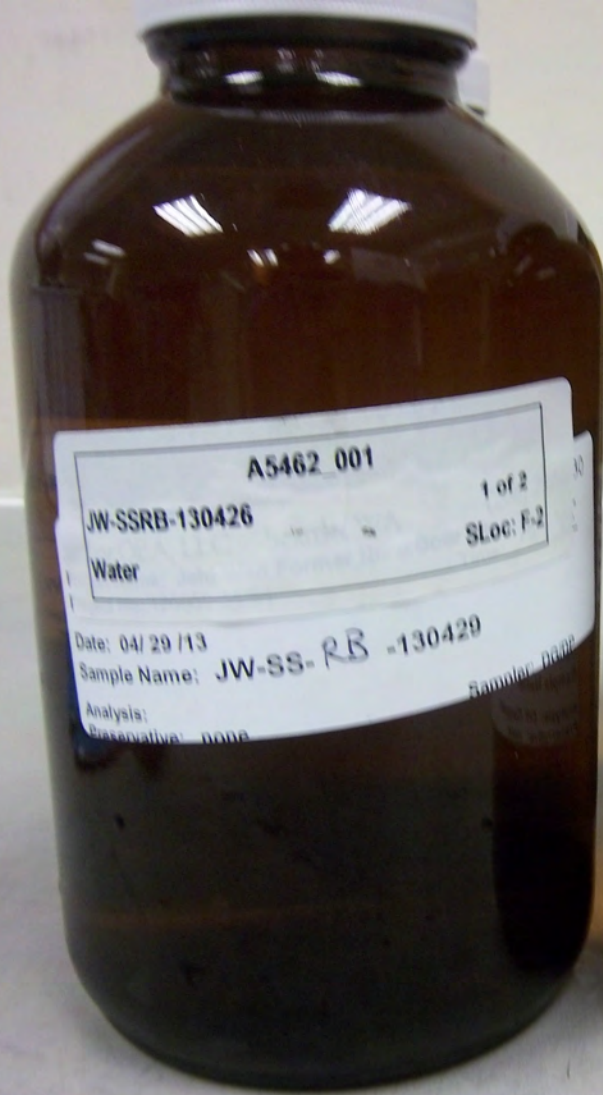
Work Order No.: A5462

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.2 Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

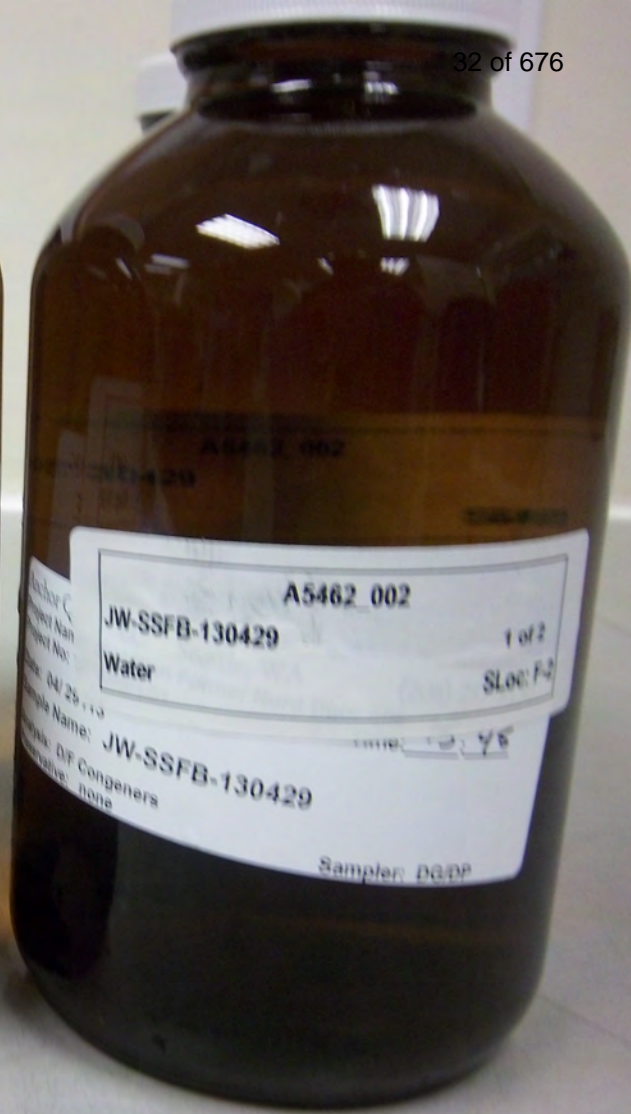
Comments: _____

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00



A5462_001
JW-SSRB-130426
Water
1 of 2
S Loc: F-2

Date: 04/29/13
Sample Name: JW-SS-RB-130429
Analysis:
Preservative: none
Sampler: DGGP



A5462_002
JW-SSFB-130429
Water
1 of 2
S Loc: F-2

Date: 04/29/13
Sample Name: JW-SSFB-130429
Analysis: DPF Congeners
Preservative: none
Sampler: DGGP

SGS Analytical Perspectives — Run Log

Project: A5462_10924_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130518P3-01	7	CS3_130518_DF_PA	1.00	11012012A	MDC	324-592	18-MAY-2013	22:47:04
2	130518P3-02	32	OPR1_10924_DF	1.00	0_10924_OPR001	MDC	587-774	18-MAY-2013	23:38:39
3	130518P3-03	15	SBS_130518_DF_PA	1.00	solvent blank	MDC		19-MAY-2013	00:30:11
4	130518P3-04	31	MB1_10924_DF_TLX	1.00	Method Blank A5462	MDC	779-008	19-MAY-2013	01:21:47
7	130518P3-07	35	A5462_10924_DF_001	0.99	JW-SSRB-130429	MDC	887-815	19-MAY-2013	03:56:28
8	130518P3-08	36	A5462_10924_DF_002	0.98	JW-SSFB-130429	MDC	485-973	19-MAY-2013	04:48:03
9	130518P3-09	7	CS3_130518_DF_PB	1.00	11012012A	MDC	628-043	19-MAY-2013	05:39:37

REVIEWED*By Michael D H Chu at 12:02 pm, May 20, 2013***APPROVED***By Amy Boehm at 4:39 pm, May 22, 2013*

Lab ID: MB1_10924_DF_TLX

Acq'd: 19 May 2013 01:21 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5462

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 779-008-VTZ

Datafile: 130518P3-04

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	1146	1.41
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	1028	1.33
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	904	1.33
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	904	1.42
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	904	1.29
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	966	1.31
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	895	2.4
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1108	0.989
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1249	1.09
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1249	1.08
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	904	0.799
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	904	0.812
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	904	0.761
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	904	1.01
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	954	1.02
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	954	1.06
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	1108	2.1

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.31	1.0282	1.0283	+0.2	1.82E+07	0.80	Y	1.01	91.2
ES 12378-PeCDD	33.63	1.2656	1.2662	+1.0	1.58E+07	1.33	Y	0.90	89.4
ES 123478-HxCDD	38.29	0.9909	0.9909	0	1.18E+07	1.24	Y	0.99	86.1
ES 123678-HxCDD	38.42	0.9944	0.9943	-0.2	1.15E+07	1.33	Y	1.02	81.4
ES 123789-HxCDD	38.76	1.0031	1.0031	0	1.34E+07	1.27	Y	1.12	87.6
ES 1234678-HpCDD	42.45	1.0987	1.0987	0	1.16E+07	1.07	Y	0.90	93.3
ES OCDD	46.14	1.1942	1.1941	-0.2	1.35E+07	0.90	Y	0.74	66.1
ES 2378-TCDF	26.32	1.0623	1.0628	+0.7	2.92E+07	0.80	Y	1.05	88.4
ES 12378-PeCDF	31.89	1.2870	1.2879	+1.3	2.44E+07	1.59	Y	0.88	88.4
ES 23478-PeCDF	33.22	1.3404	1.3415	+1.6	2.36E+07	1.58	Y	0.91	82.7
ES 123478-HxCDF	37.11	0.9605	0.9605	0	1.60E+07	0.52	Y	1.25	92.7
ES 123678-HxCDF	37.28	0.9649	0.9648	-0.2	1.83E+07	0.52	Y	1.40	94.9
ES 234678-HxCDF	38.07	0.9852	0.9852	0	1.75E+07	0.52	Y	1.29	98.2
ES 123789-HxCDF	39.18	1.0140	1.0141	+0.2	1.54E+07	0.52	Y	1.17	96.3
ES 1234678-HpCDF	41.16	1.0654	1.0654	0	1.30E+07	0.45	Y	1.03	91.6
ES 1234789-HpCDF	43.06	1.1142	1.1143	+0.2	1.23E+07	0.45	Y	0.89	101
ES OCDF	46.38	1.2003	1.2004	+0.2	2.11E+07	0.90	Y	1.00	76.6

Lab ID: MB1_10924_DF_TLX

Acq'd: 19 May 2013 01:21 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5462

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 779-008-VTZ

Datafile: 130518P3-04

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

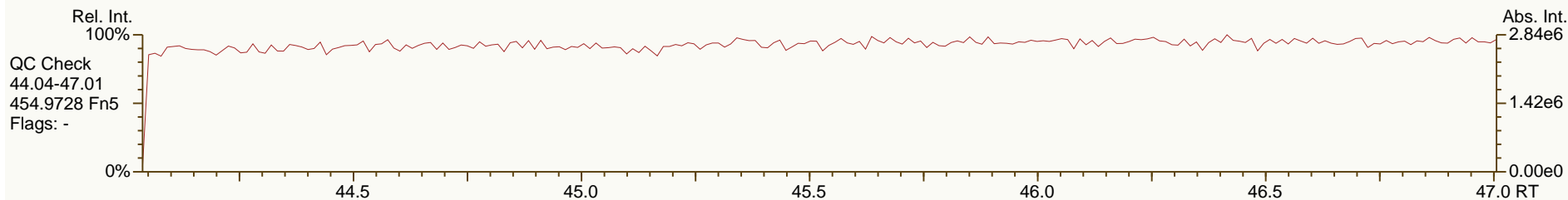
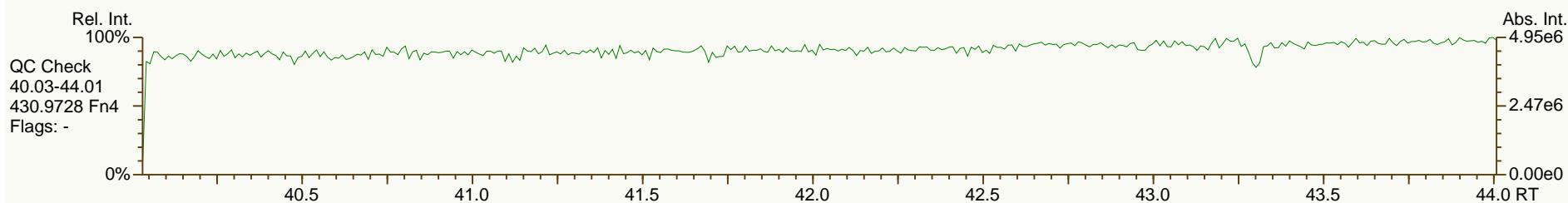
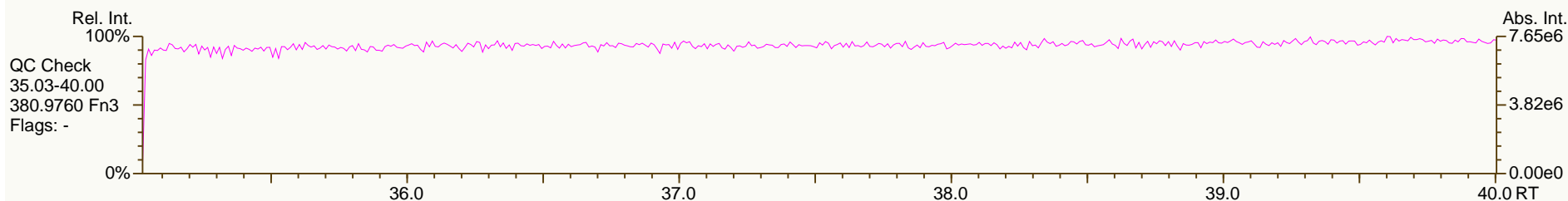
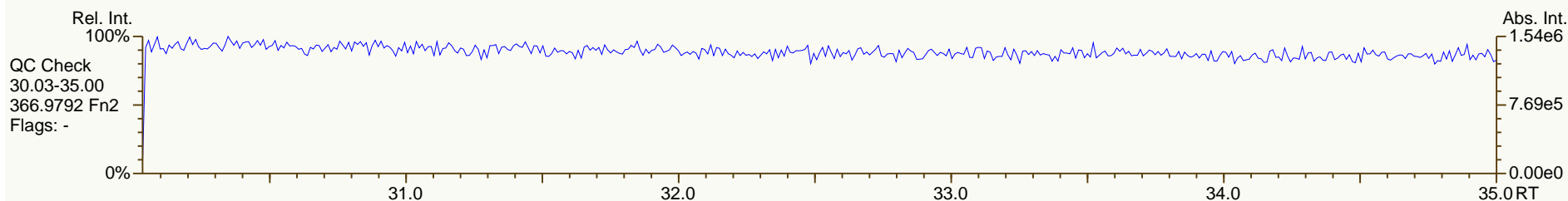
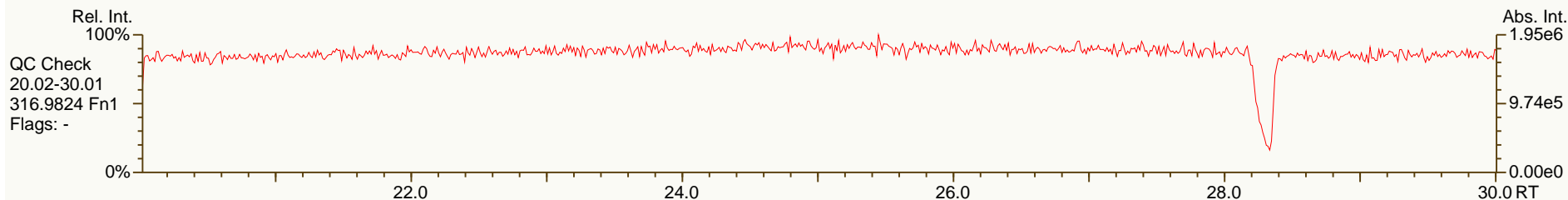
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.56		-	-	-	1.97E+07	0.80	Y	-	-
JS 1234-TCDF	24.76		-	-	-	3.14E+07	0.79	Y	-	-
JS 123467-HxCDD	38.64		-	-	-	6.88E+06	1.27	Y	-	-
CS 37C1-2378-TCDD	27.34		1.0292	1.0293	+0.2	8.63E+06	n/a	-	1.10	99.6
CS 12347-PeCDD	33.04		1.2432	1.2437	+0.8	1.49E+07	1.62	Y	0.79	95.5
CS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.57	Y	0.87	95.1
CS 123469-HxCDF	37.65		0.9743	0.9743	0	1.80E+07	0.53	Y	1.21	108
CS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.33E+07	0.43	Y	0.89	108
SS 37C1-2378-TCDD	27.34		1.0292	1.0293	+0.2	8.63E+06	n/a	-	1.09	109
SS 12347-PeCDD	33.04		1.2432	1.2437	+0.8	1.49E+07	1.62	Y	0.89	107
SS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.57	Y	0.99	107
SS 123469-HxCDF	37.65		0.9743	0.9743	0	1.80E+07	0.53	Y	0.87	114
SS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.33E+07	0.43	Y	0.87	118
AS 1368-TCDD	23.15		0.8721	0.8716	-0.8	1.88E+07	0.78	Y	1.00	96
AS 1368-TCDF	20.97		0.8467	0.8467	0	3.58E+07	0.80	Y	1.20	95.2
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

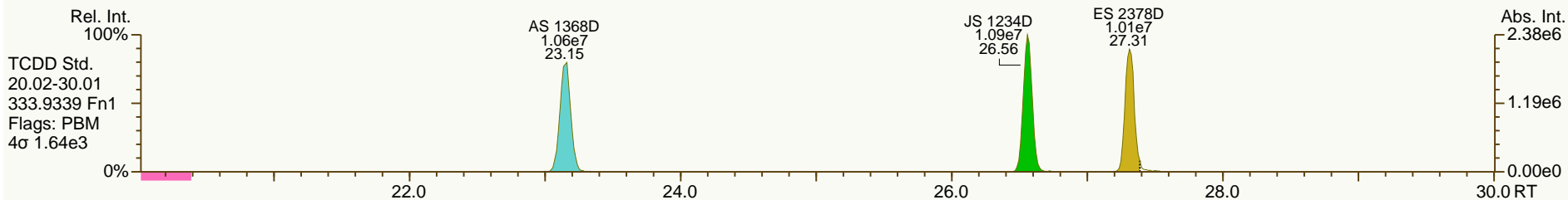
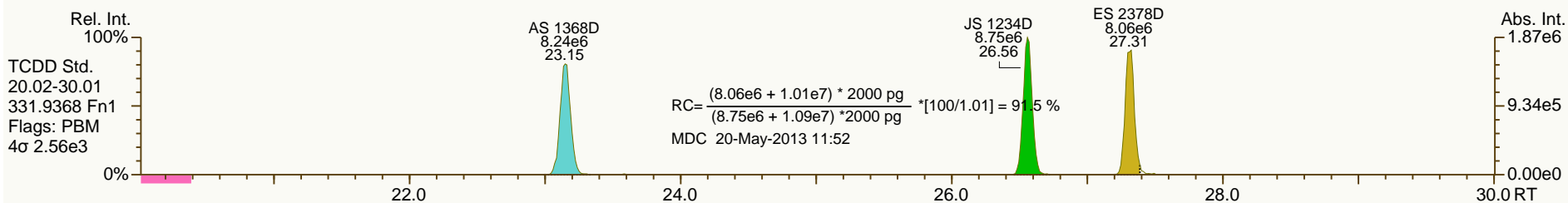
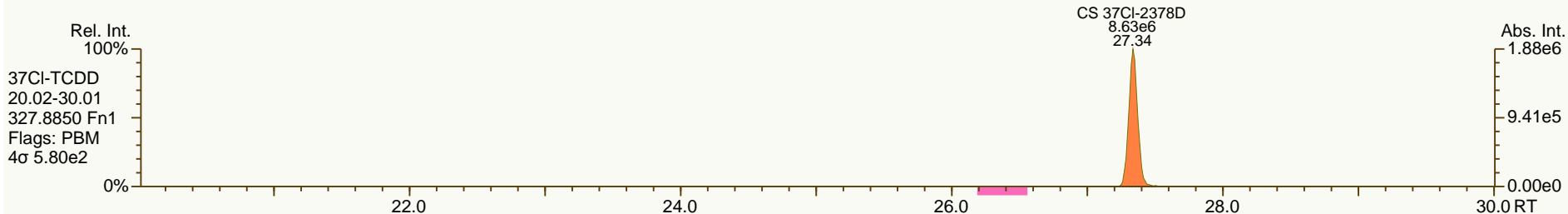
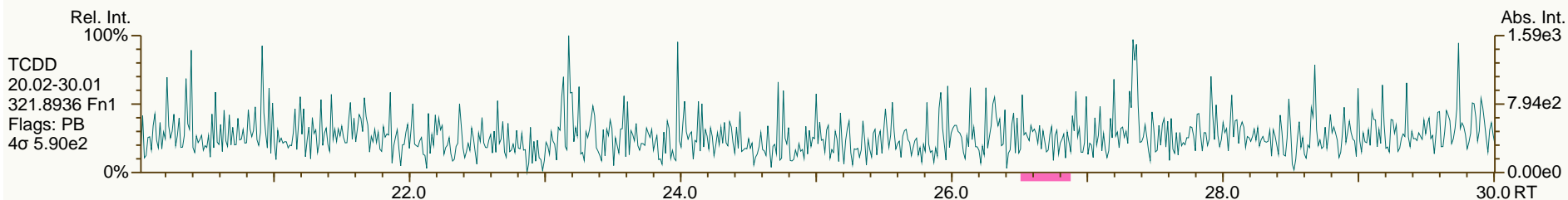
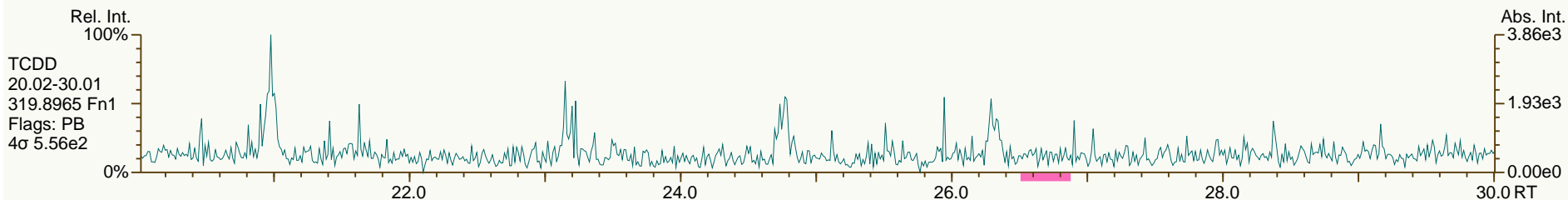
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

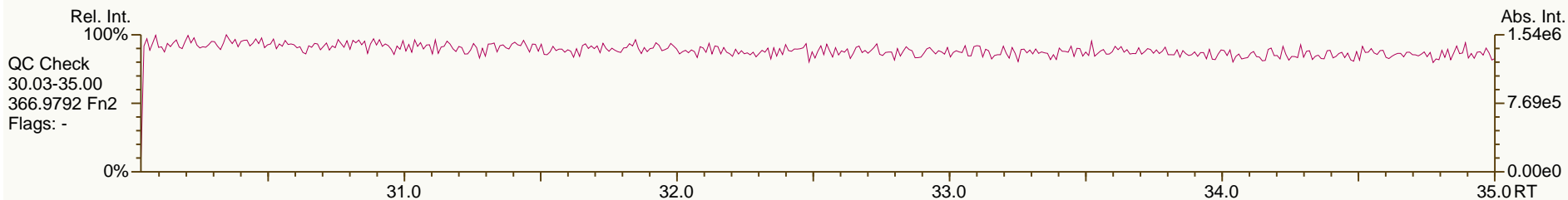
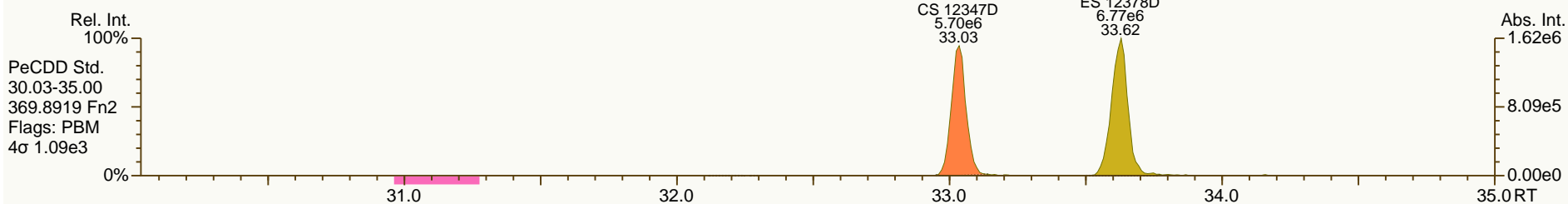
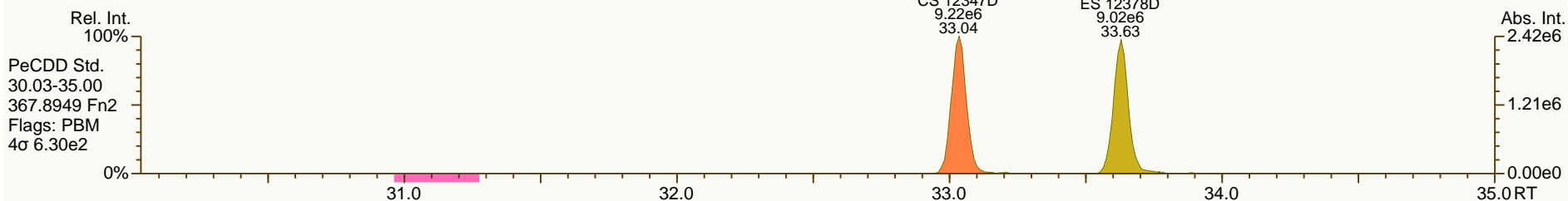
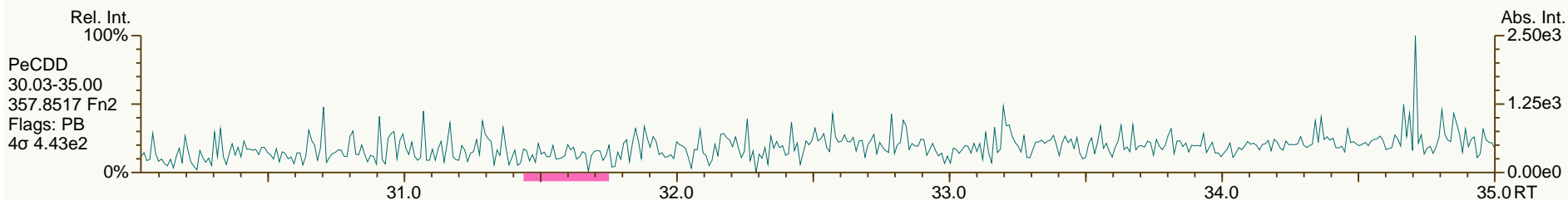
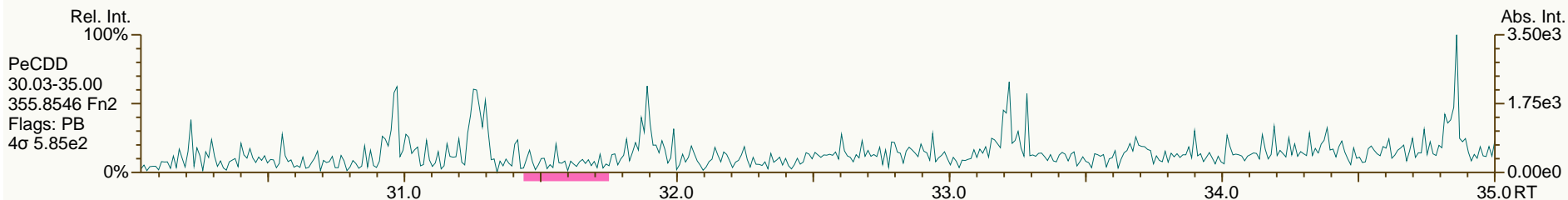
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

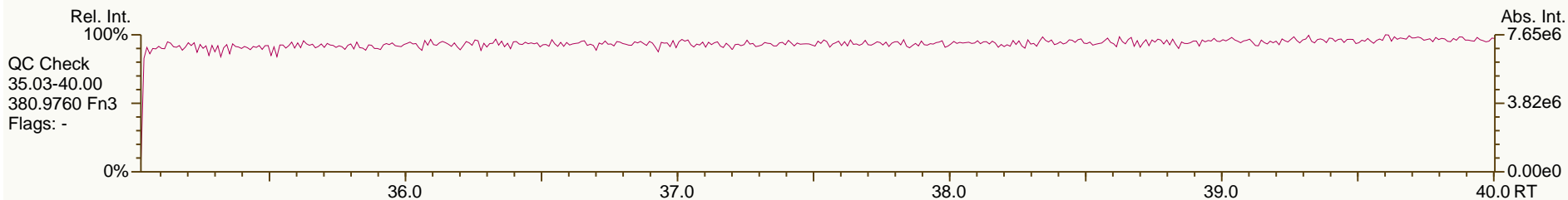
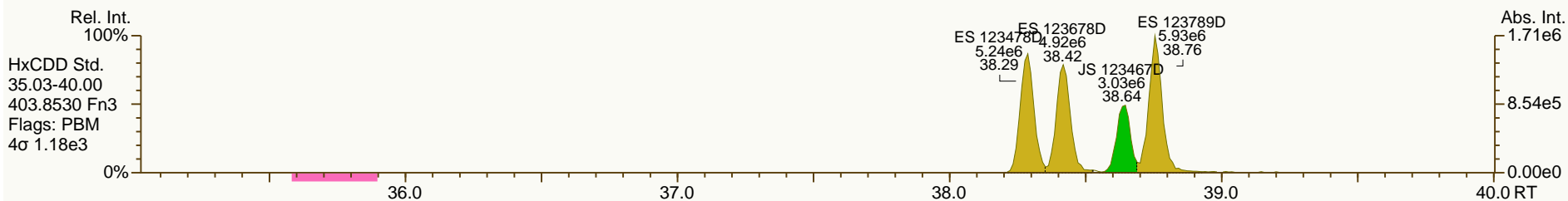
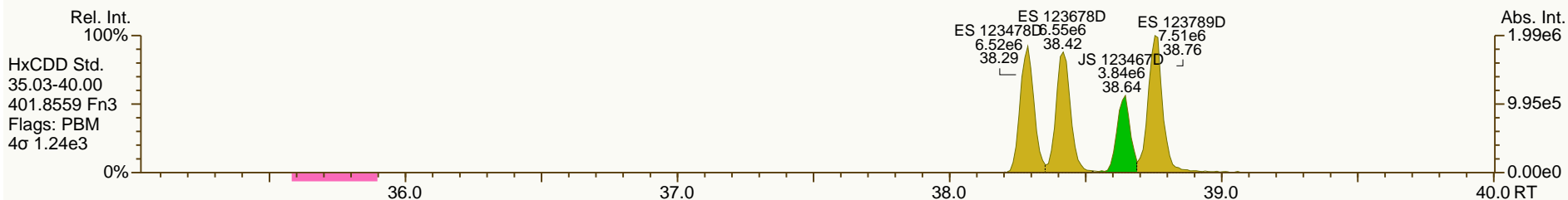
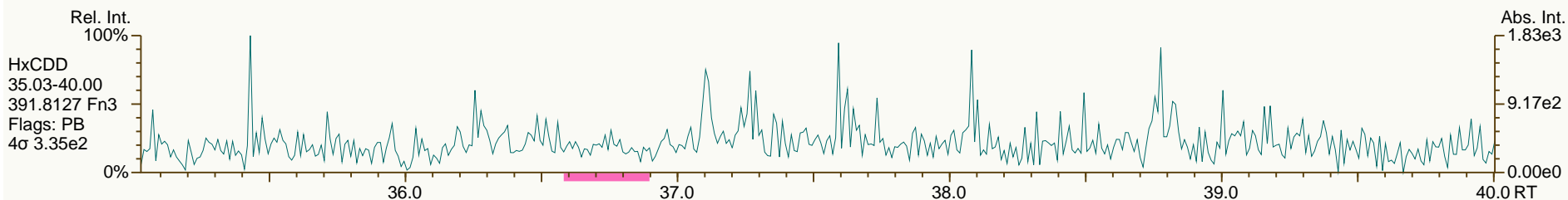
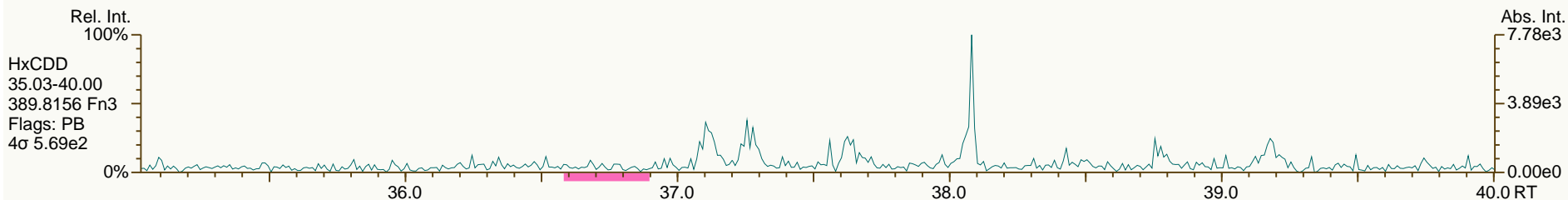
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

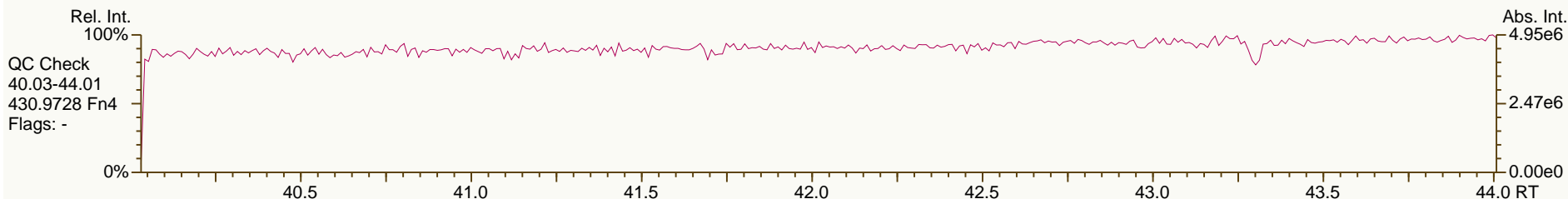
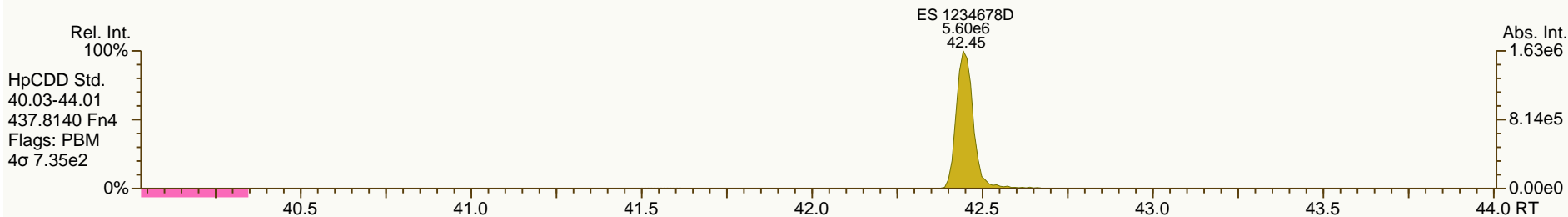
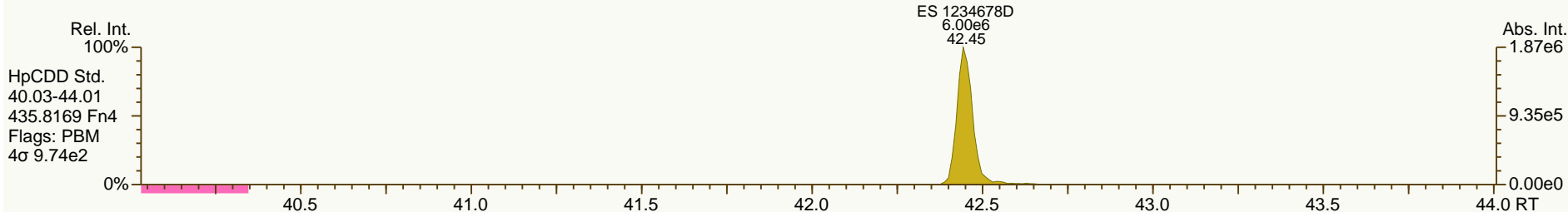
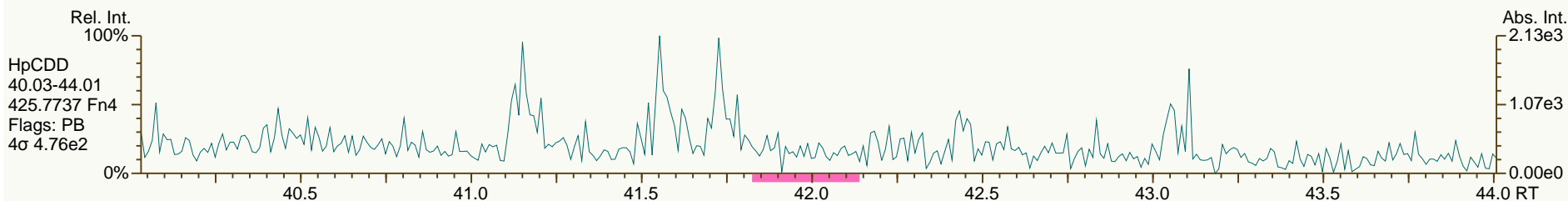
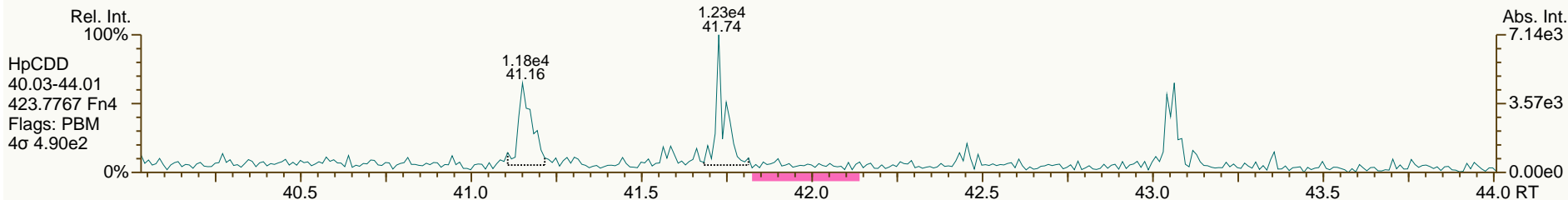
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 User: MDC Datafile: 130518P3-04



SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

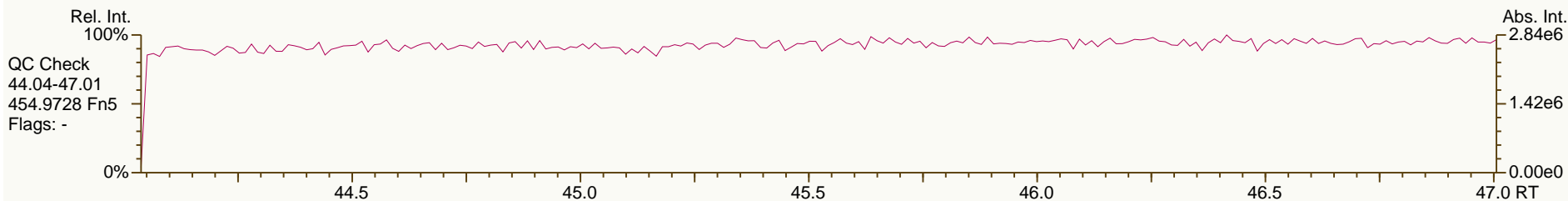
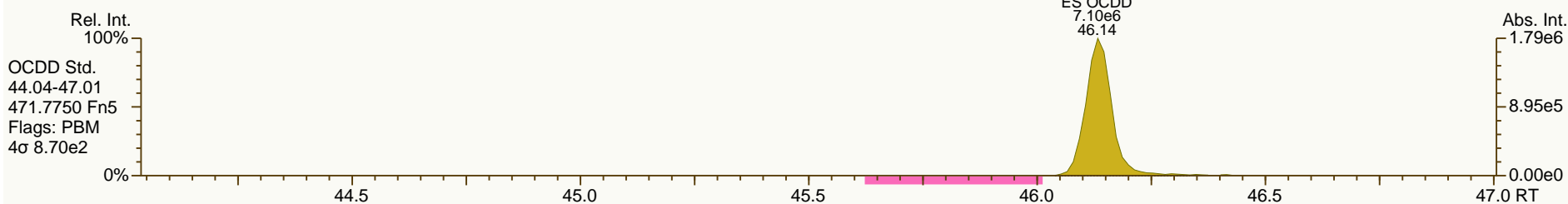
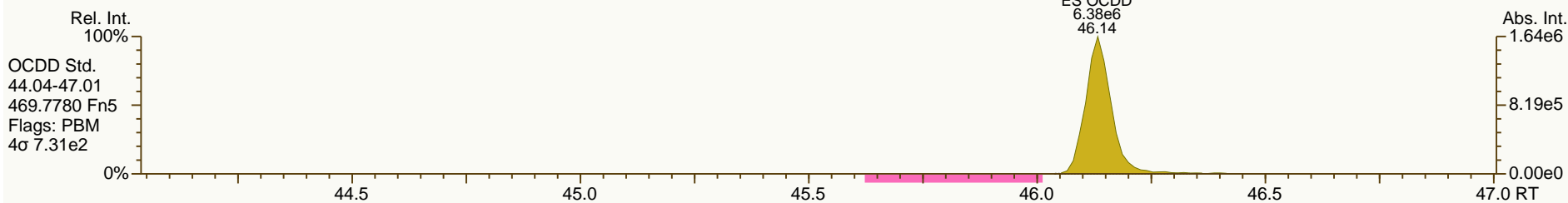
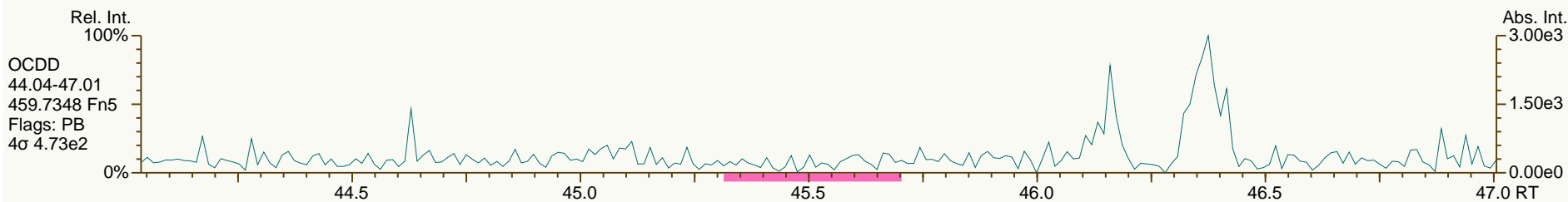
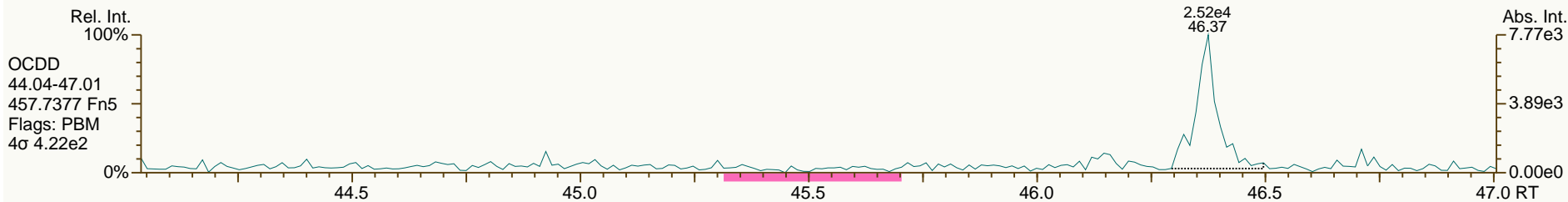
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

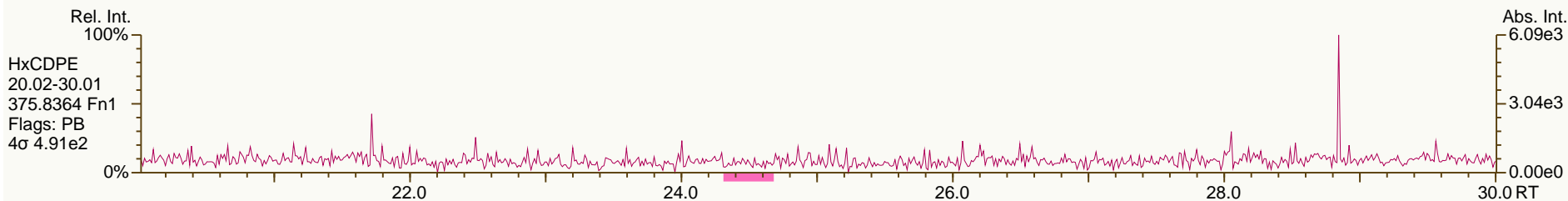
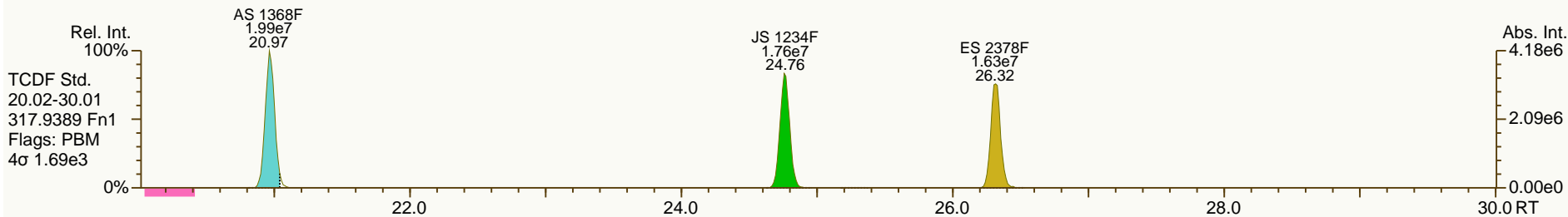
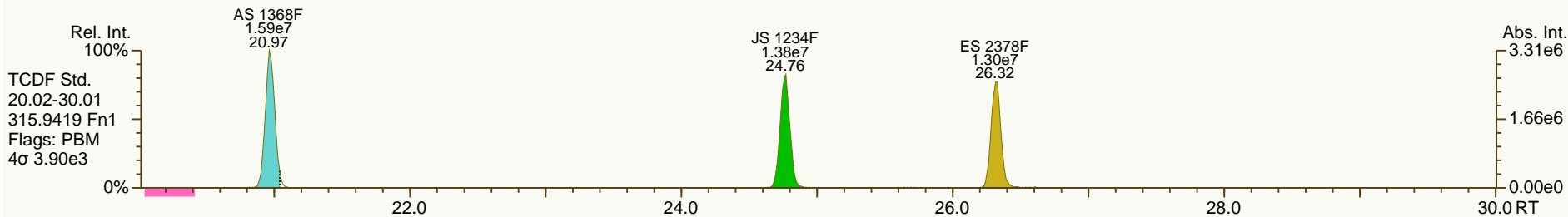
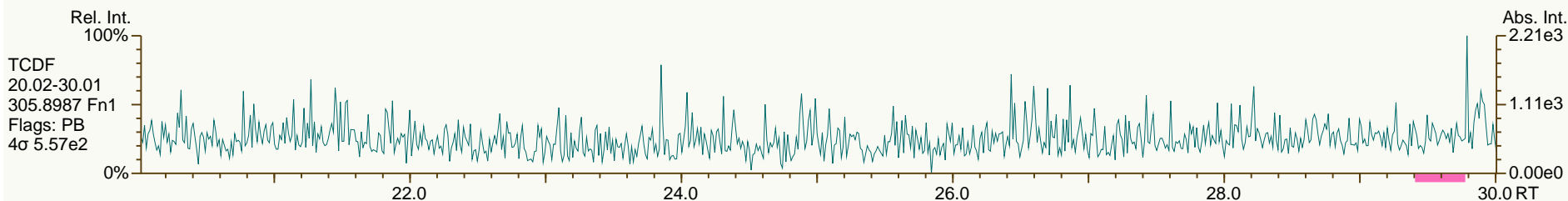
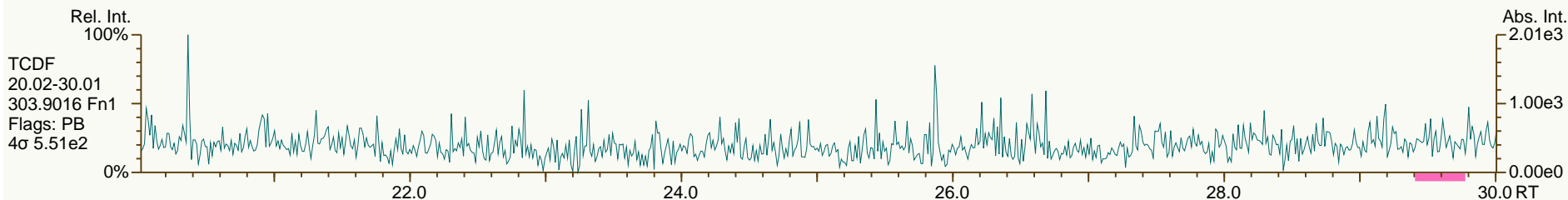
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User: MDC Datafile: 130518P3-04



SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

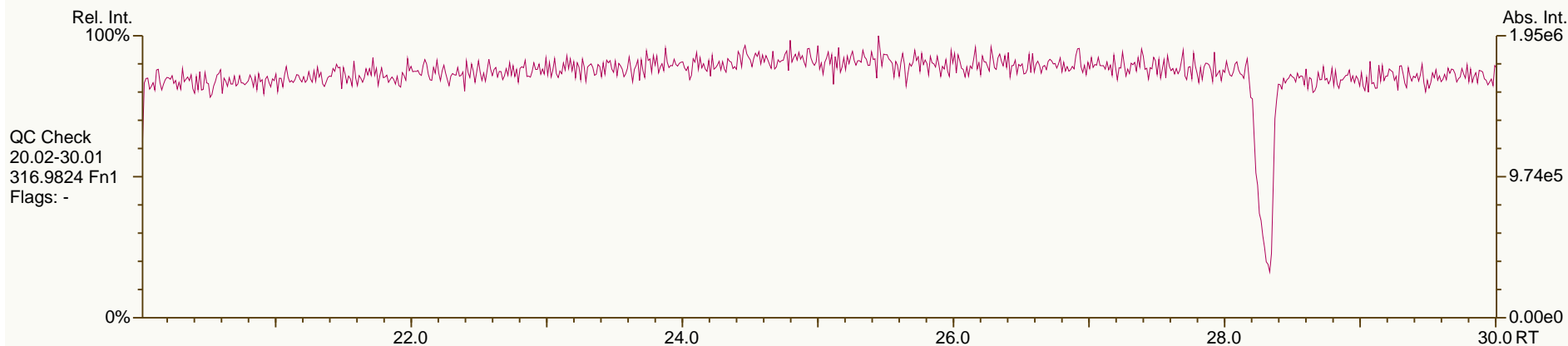
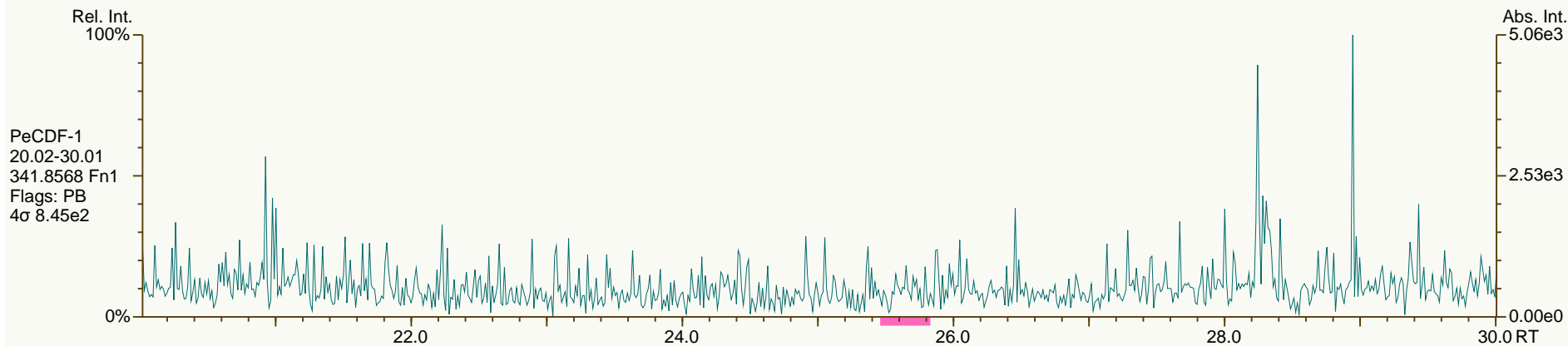
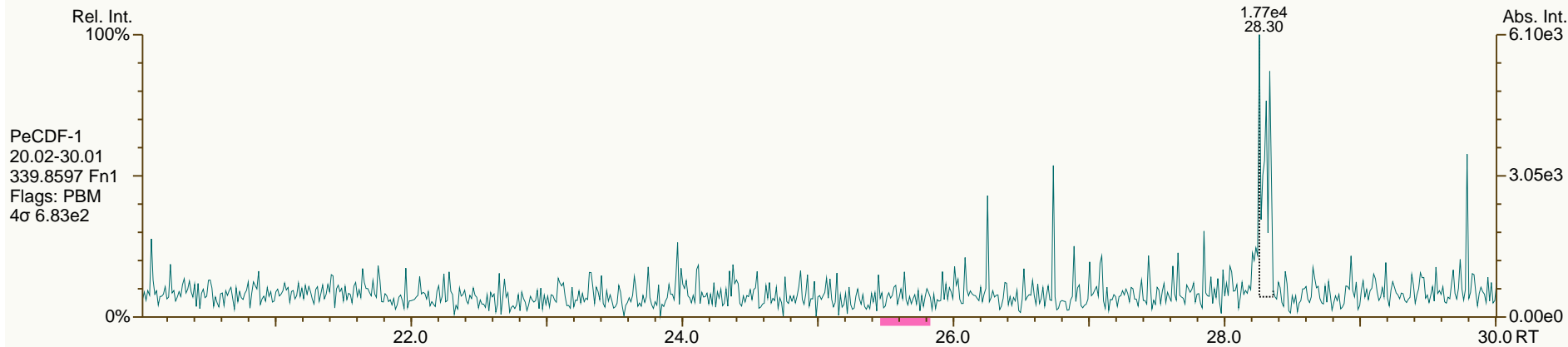
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User: MDC Datafile: 130518P3-04



SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

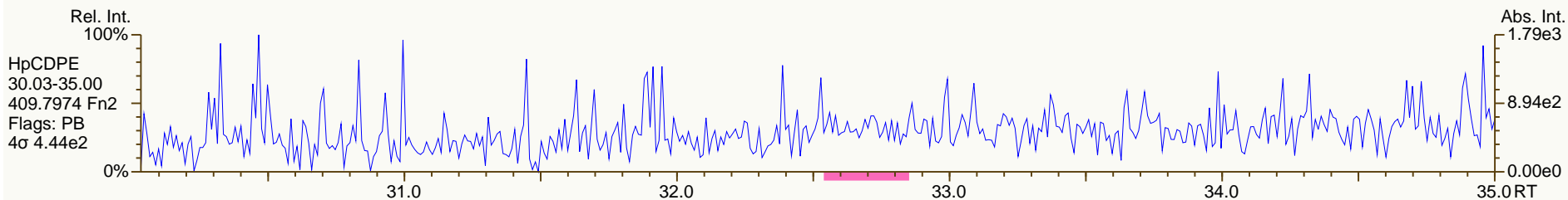
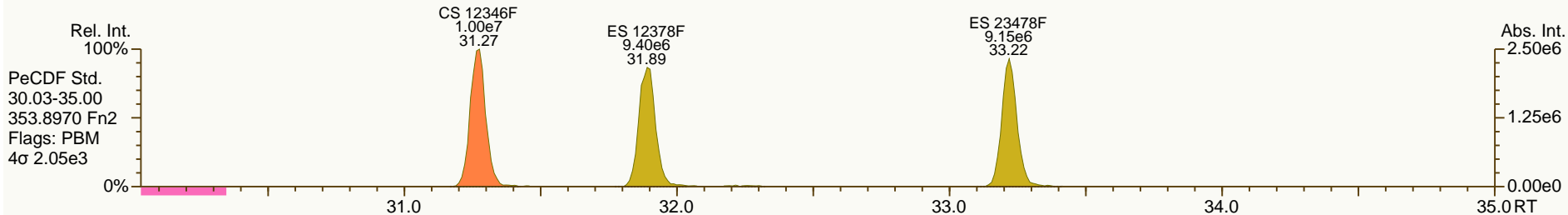
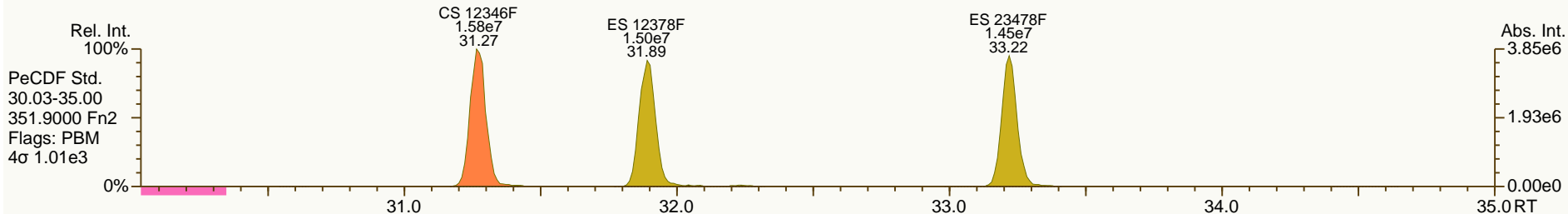
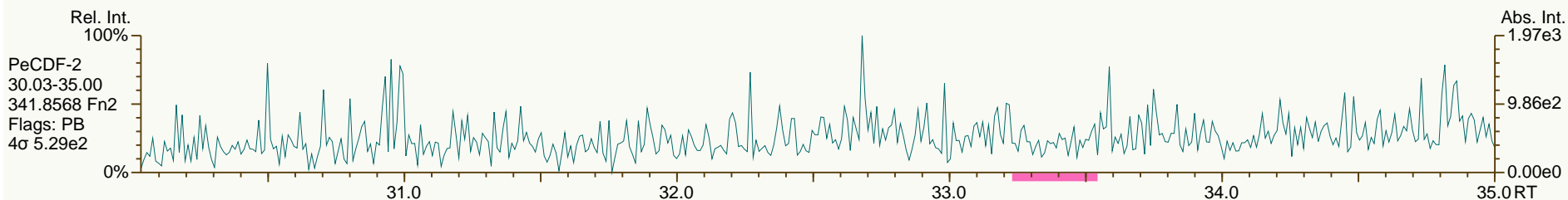
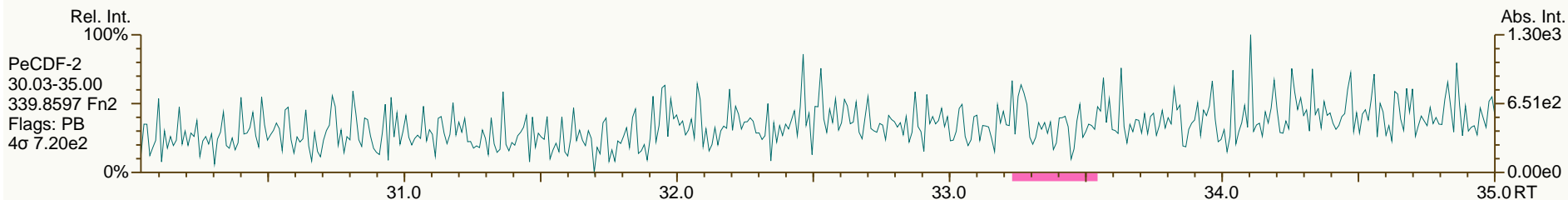
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

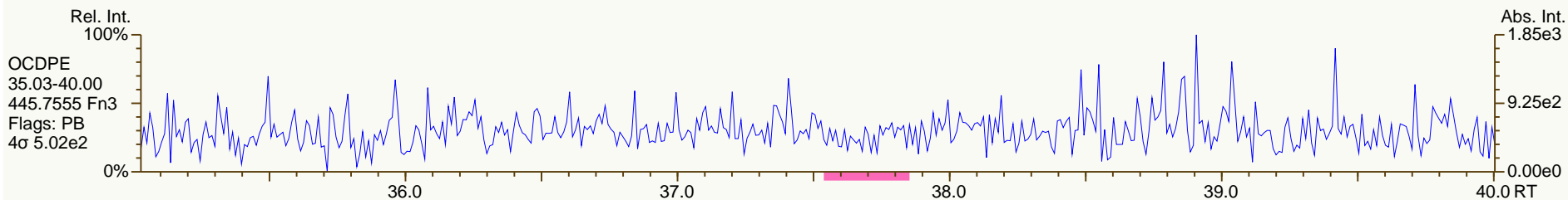
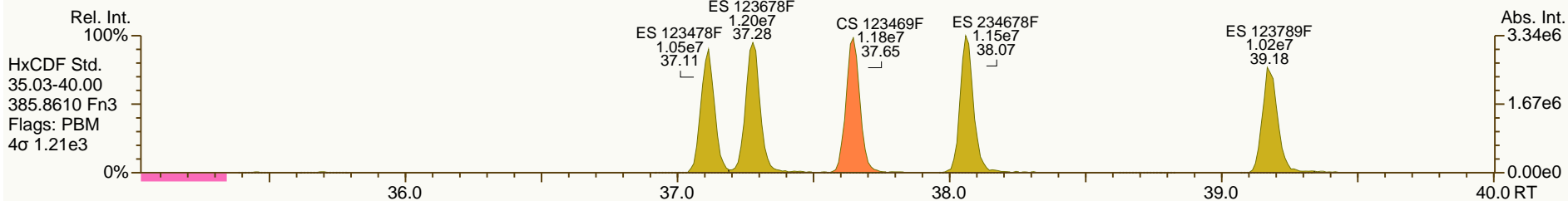
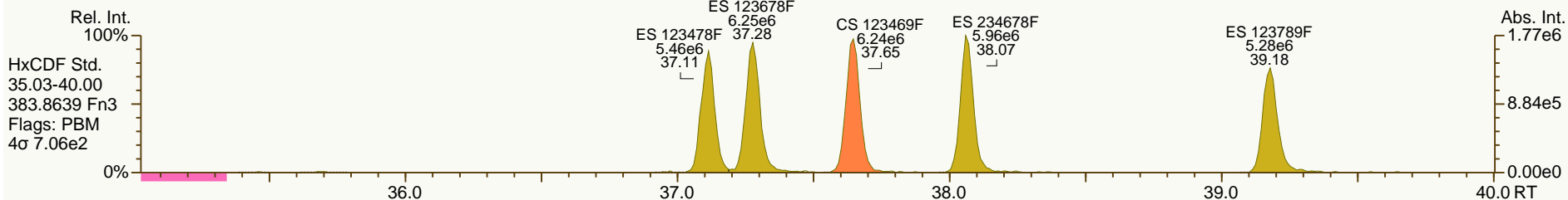
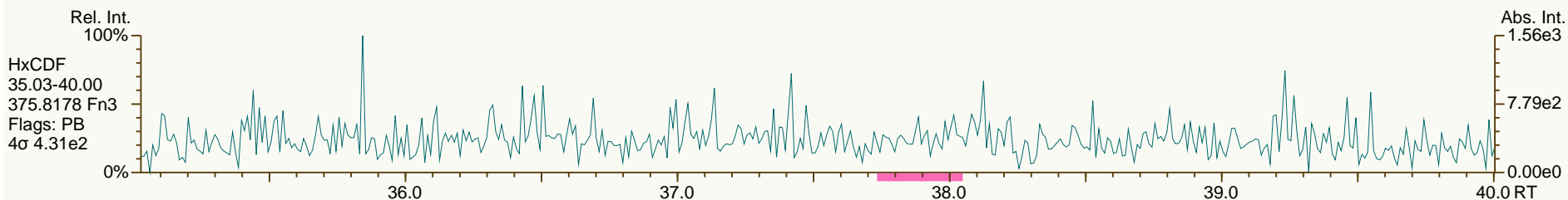
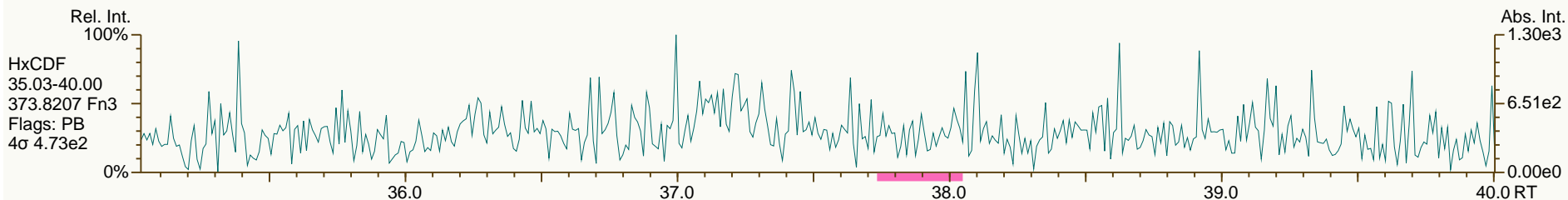
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

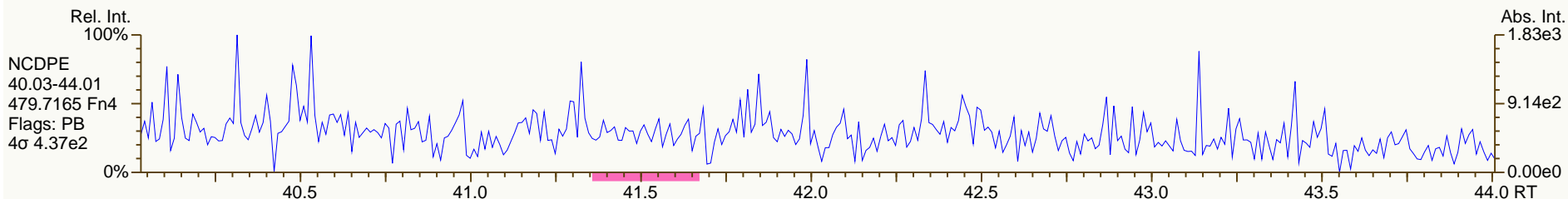
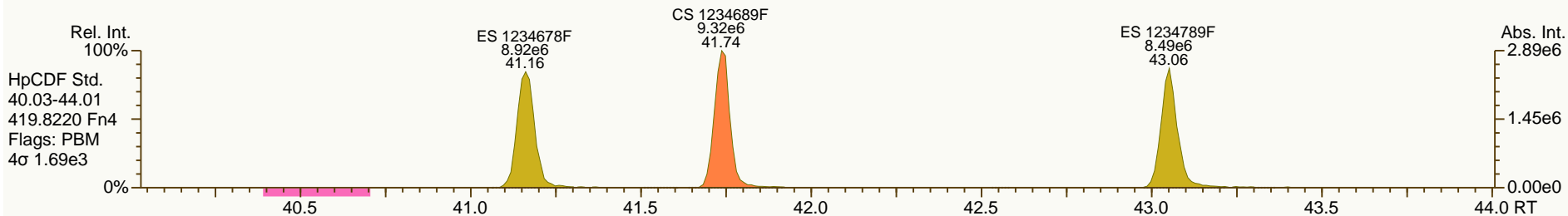
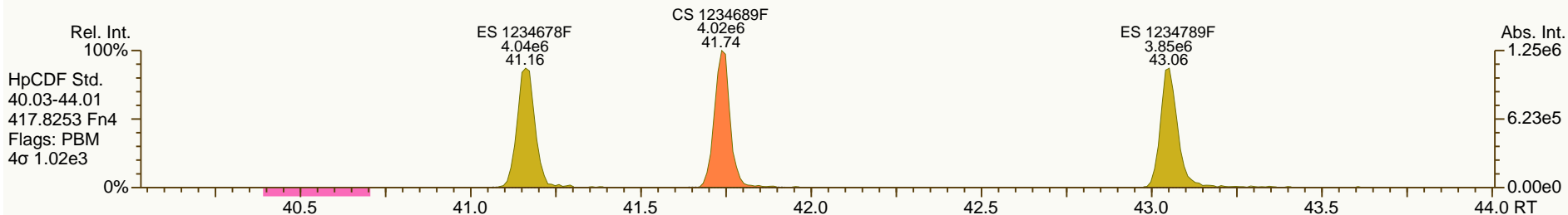
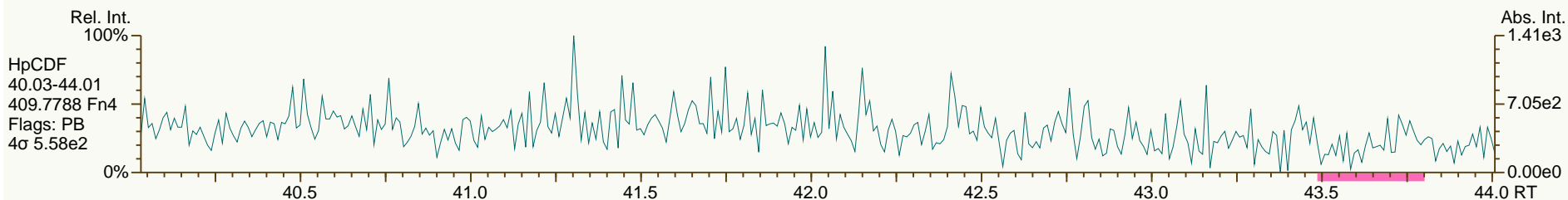
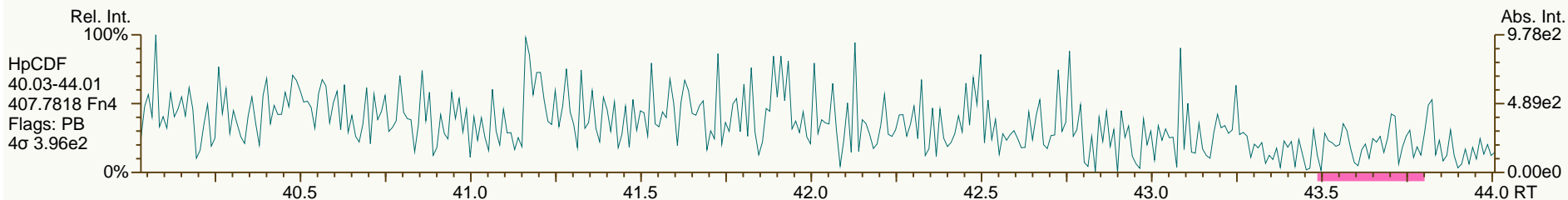
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SGS-AP ID: MB1_10924_DF_TLX
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

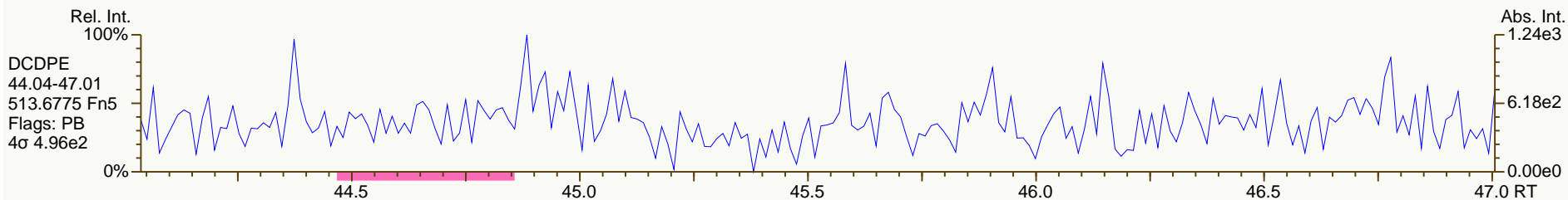
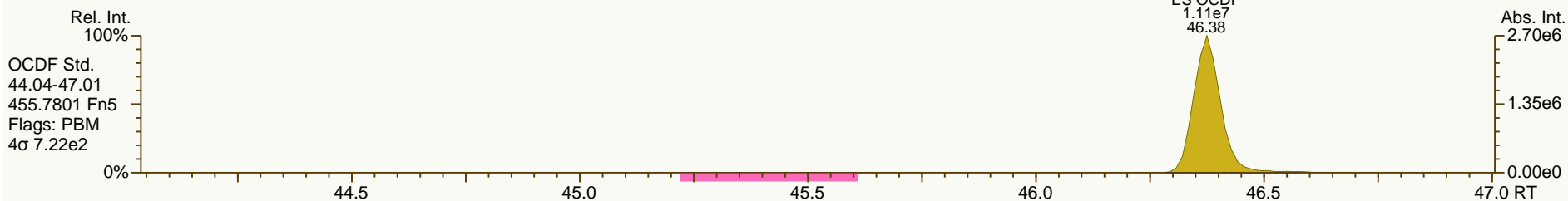
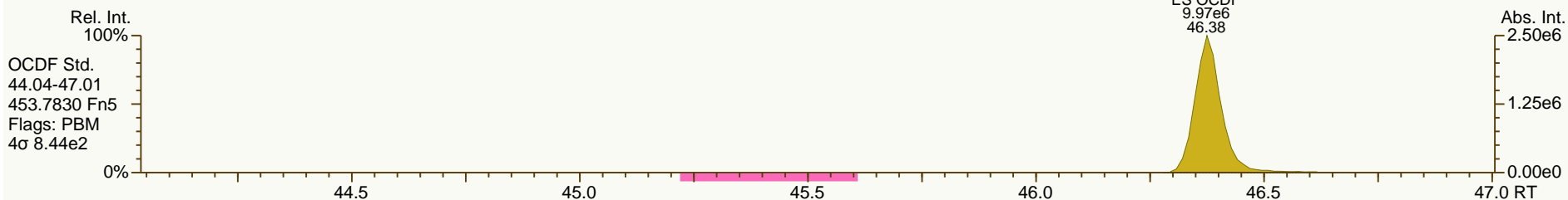
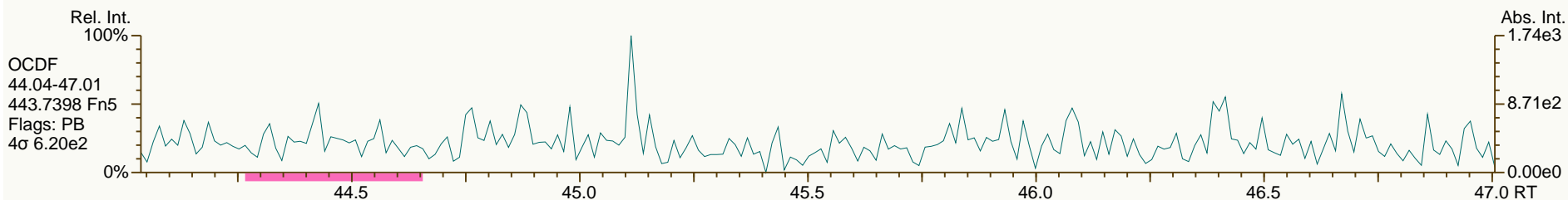
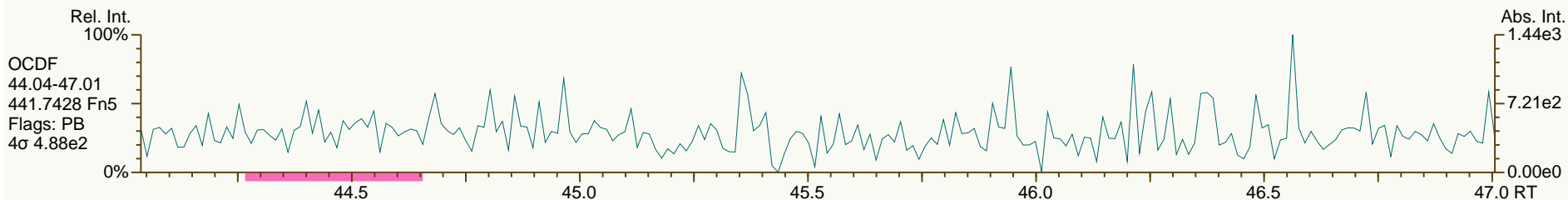
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SGS-AP ID: MB1_10924_DF_TLX
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5462
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 31

Acq: 19-MAY-2013 01:21:47
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Lab ID: A5462_10924_DF_001

Acq'd: 19 May 2013 03:56 MDC

Wt/Vol: 0.99 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSRB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.05 pg/L Split: 1

Checkcode: 887-815-PLH

Datafile: 130518P3-07

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	1109	1.66
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	1017	1.69
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	1022	1.91
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	1022	1.99
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	1022	1.75
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	891	1.55
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	991	3.58
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1131	1.32
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1192	1.29
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1192	1.26
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	937	1.13
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	937	1.05
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	937	0.998
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	937	1.25
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	944	1.17
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	944	1.3
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	957	2.49

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.30		1.0282	1.0284	+0.3	1.45E+07	0.82	Y	1.01	96.6
ES 12378-PeCDD	33.62		1.2656	1.2663	+1.1	1.21E+07	1.32	Y	0.90	91.4
ES 123478-HxCDD	38.28		0.9909	0.9909	0	9.54E+06	1.31	Y	0.99	93.8
ES 123678-HxCDD	38.41		0.9944	0.9944	0	9.25E+06	1.27	Y	1.02	88.2
ES 123789-HxCDD	38.75		1.0031	1.0031	0	1.09E+07	1.27	Y	1.12	95.7
ES 1234678-HpCDD	42.44		1.0987	1.0987	0	9.12E+06	1.12	Y	0.90	98.5
ES OCDD	46.13		1.1942	1.1942	0	1.04E+07	0.90	Y	0.74	68.5
ES 2378-TCDF	26.31		1.0623	1.0629	+0.9	2.29E+07	0.80	Y	1.05	94.1
ES 12378-PeCDF	31.88		1.2870	1.2881	+1.6	1.94E+07	1.62	Y	0.88	95.8
ES 23478-PeCDF	33.21		1.3404	1.3419	+2.2	1.90E+07	1.61	Y	0.91	90.8
ES 123478-HxCDF	37.10		0.9605	0.9605	0	1.29E+07	0.52	Y	1.25	100
ES 123678-HxCDF	37.27		0.9649	0.9648	-0.2	1.48E+07	0.55	Y	1.40	103
ES 234678-HxCDF	38.06		0.9852	0.9852	0	1.44E+07	0.52	Y	1.29	108
ES 123789-HxCDF	39.17		1.0140	1.0141	+0.2	1.23E+07	0.54	Y	1.17	103
ES 1234678-HpCDF	41.16		1.0654	1.0654	0	1.07E+07	0.48	Y	1.03	101
ES 1234789-HpCDF	43.05		1.1142	1.1144	+0.5	9.85E+06	0.46	Y	0.89	108
ES OCDF	46.37		1.2003	1.2005	+0.5	1.62E+07	0.93	Y	1.00	79.2

Lab ID: A5462_10924_DF_001

Acq'd: 19 May 2013 03:56 MDC

Wt/Vol: 0.99 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSRB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.05 pg/L Split: 1

Checkcode: 887-815-PLH

Datafile: 130518P3-07

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

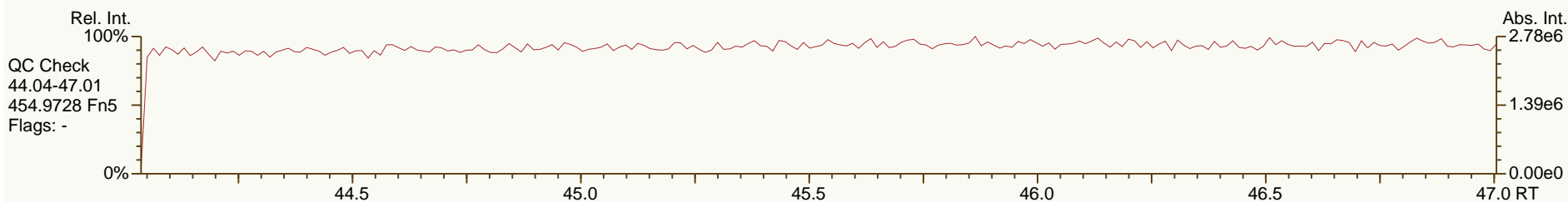
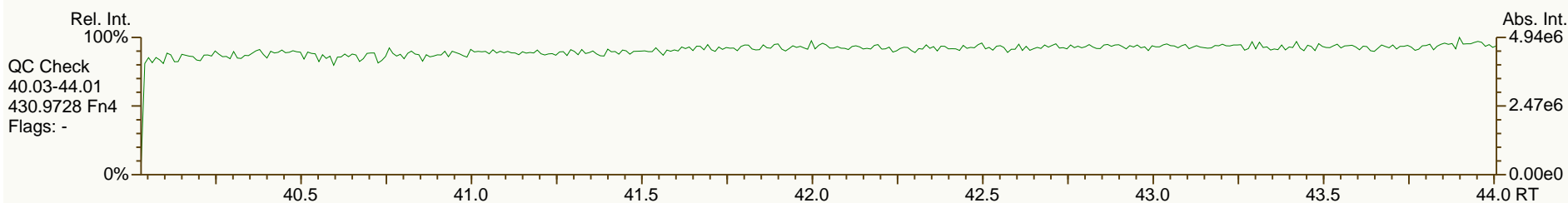
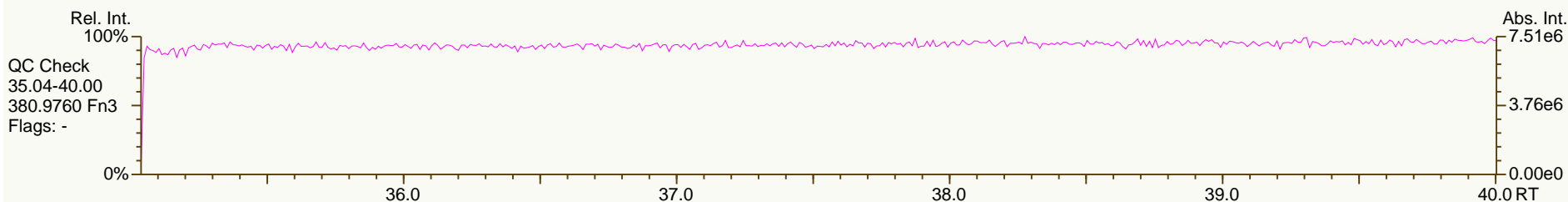
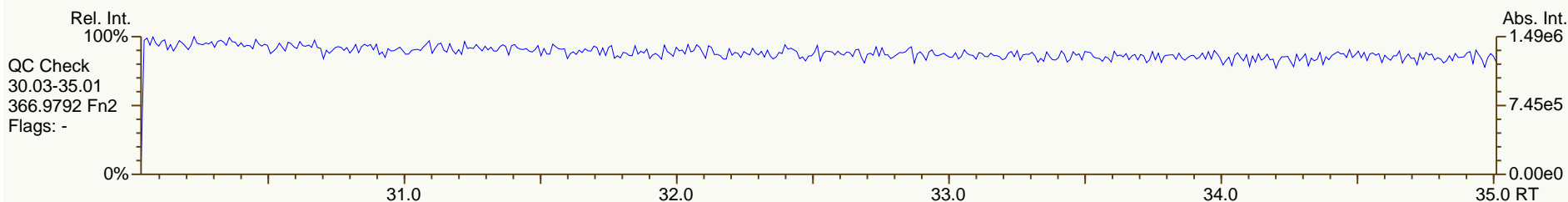
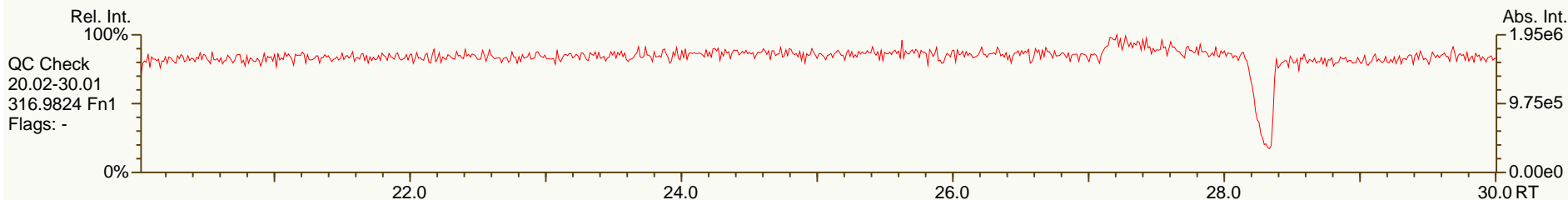
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.55		-	-	-	1.48E+07	0.83	Y	-	-
JS 1234-TCDF	24.75		-	-	-	2.30E+07	0.78	Y	-	-
JS 123467-HxCDD	38.63		-	-	-	5.12E+06	1.29	Y	-	-
CS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	7.35E+06	n/a	-	1.10	113
CS 12347-PeCDD	33.03		1.2432	1.2440	+1.3	1.32E+07	1.63	Y	0.79	113
CS 12346-PeCDF	31.26		1.2618	1.2630	+1.8	2.20E+07	1.54	Y	0.87	110
CS 123469-HxCDF	37.64		0.9743	0.9744	+0.2	1.57E+07	0.54	Y	1.21	127
CS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.18E+07	0.46	Y	0.89	129
SS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	7.35E+06	n/a	-	1.09	117
SS 12347-PeCDD	33.03		1.2432	1.2440	+1.3	1.32E+07	1.63	Y	0.89	123
SS 12346-PeCDF	31.26		1.2618	1.2630	+1.8	2.20E+07	1.54	Y	0.99	115
SS 123469-HxCDF	37.64		0.9743	0.9744	+0.2	1.57E+07	0.54	Y	0.87	122
SS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.18E+07	0.46	Y	0.87	127
AS 1368-TCDD	23.14		0.8721	0.8714	-1.1	1.64E+07	0.79	Y	1.00	111
AS 1368-TCDF	20.96		0.8467	0.8467	0	3.11E+07	0.80	Y	1.20	113
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	41.55		0.9789	0.9789	0	6.24E+04	1.07	Y	1.18	0.579
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

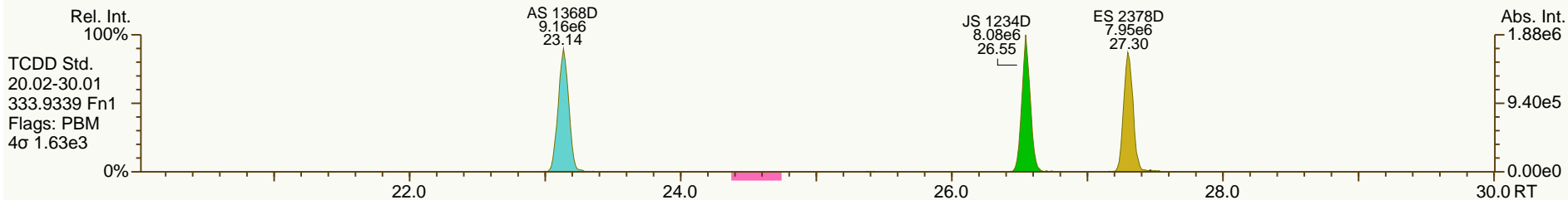
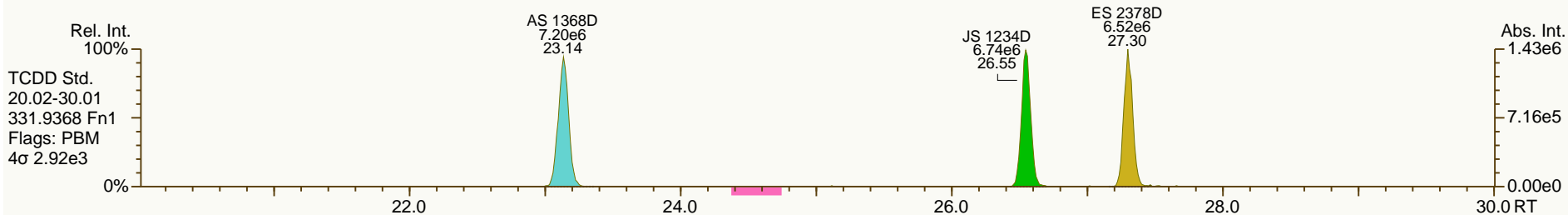
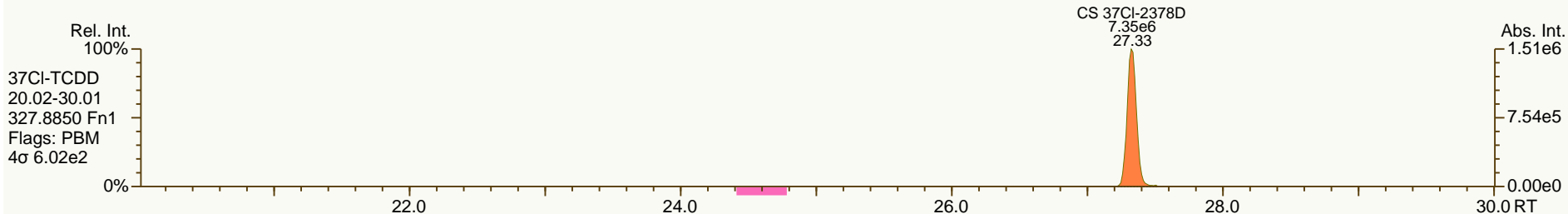
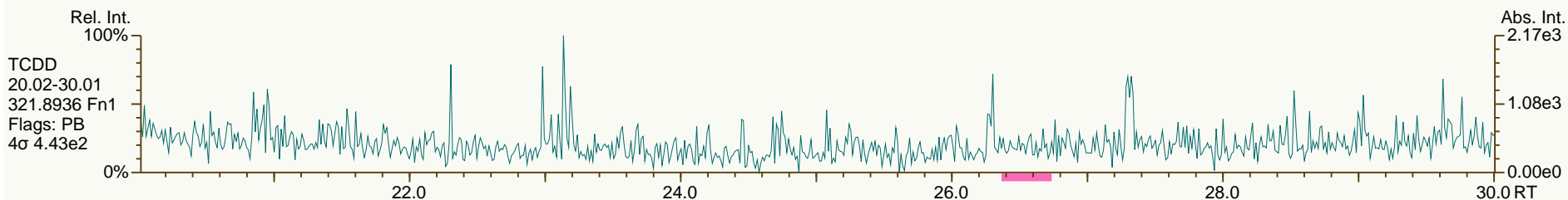
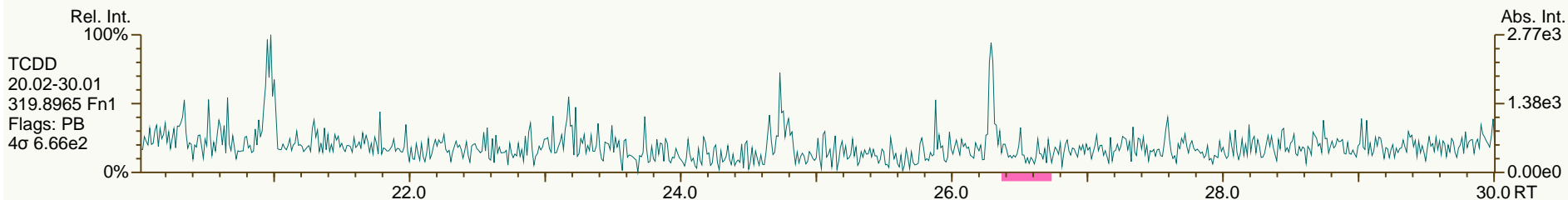
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

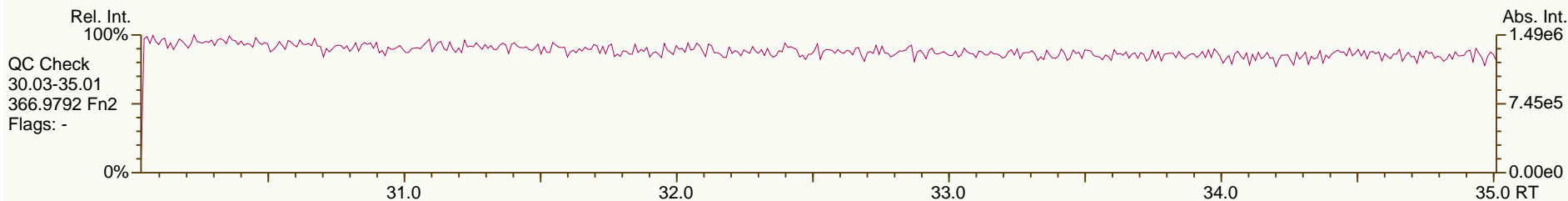
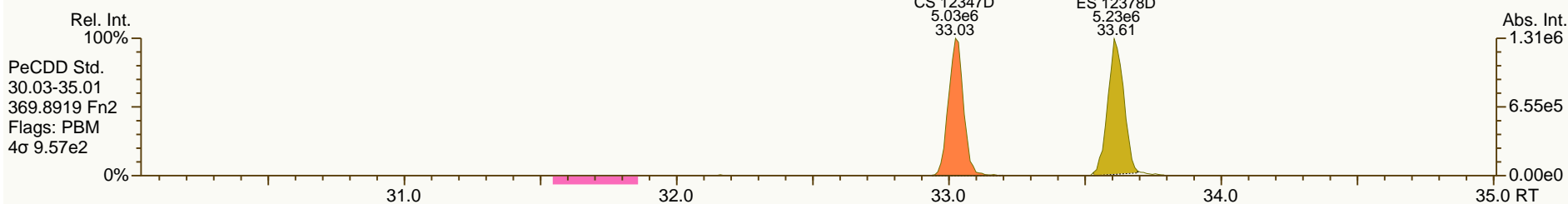
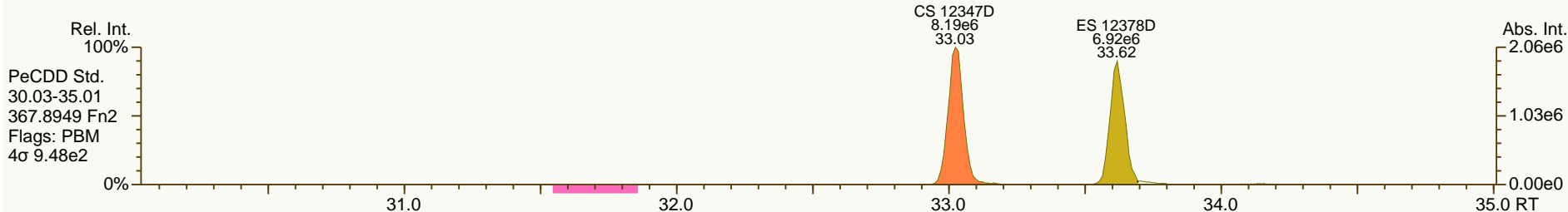
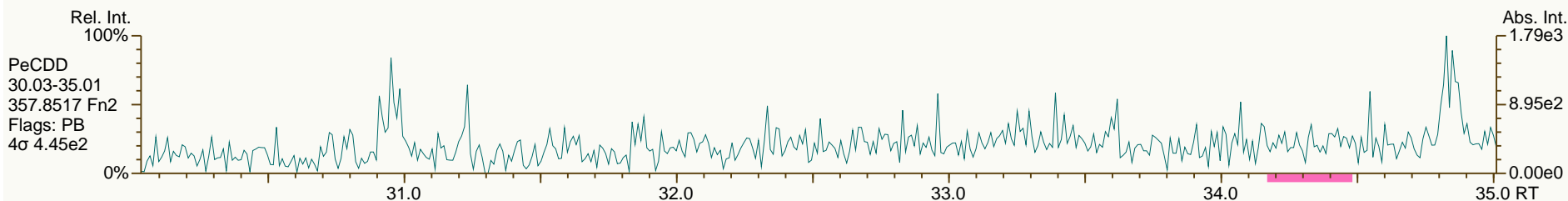
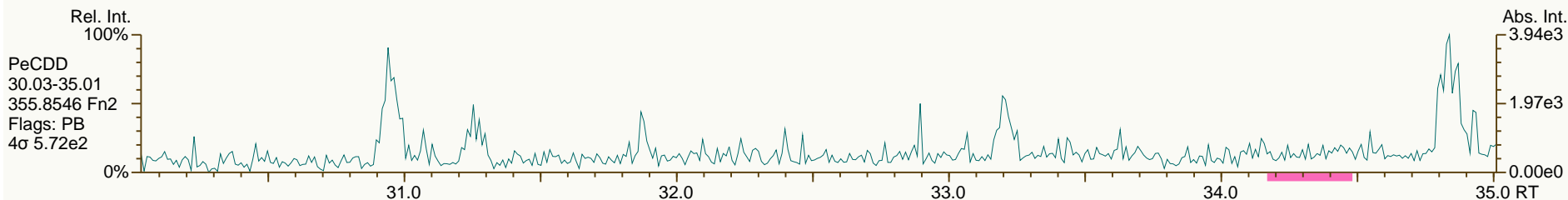
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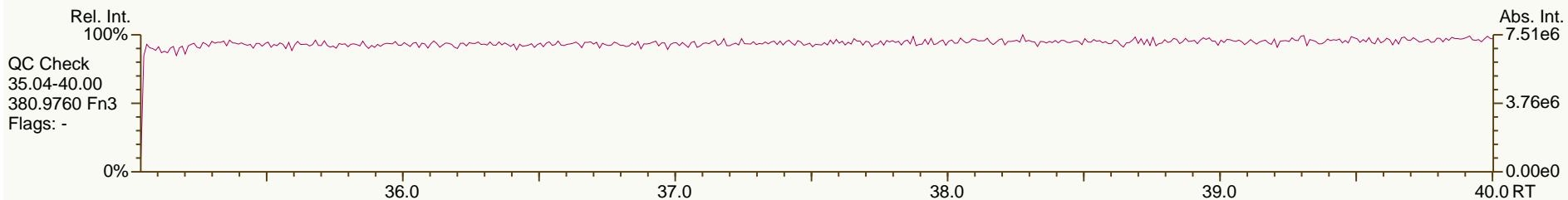
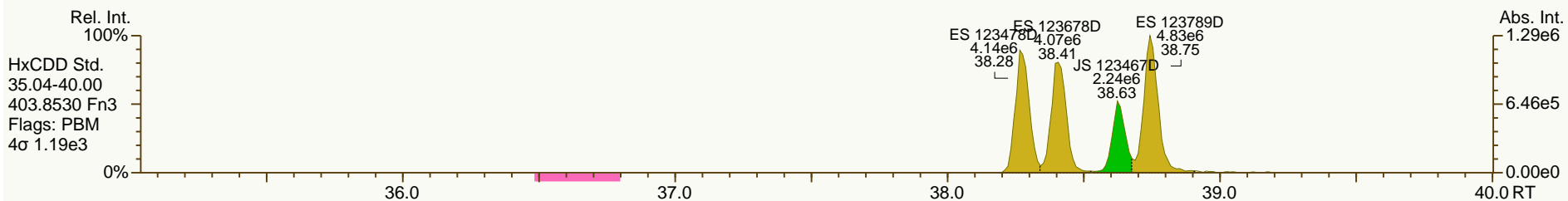
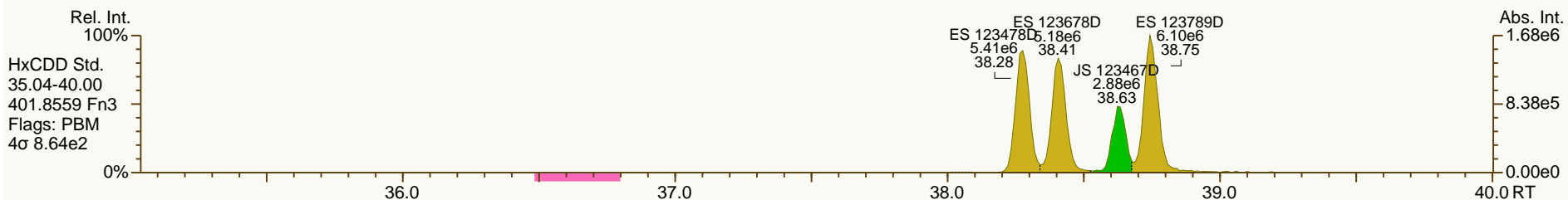
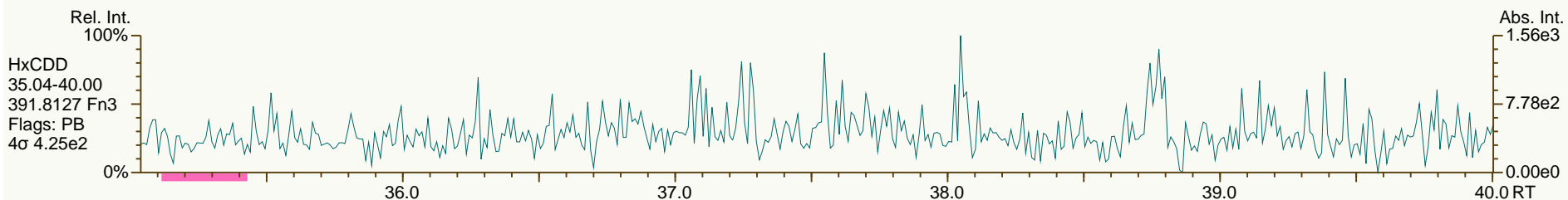
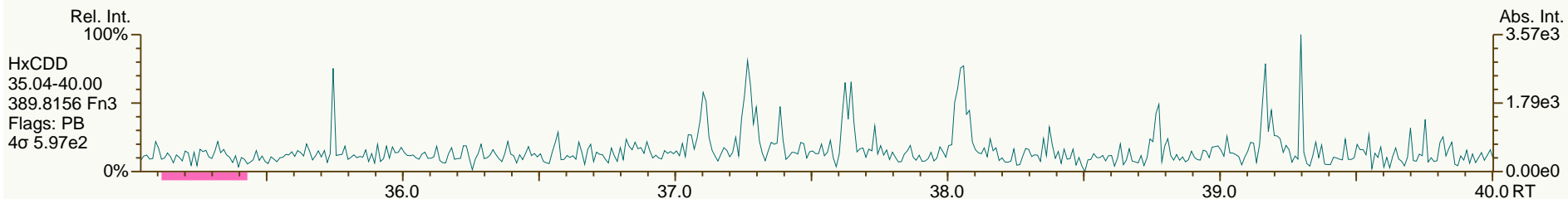
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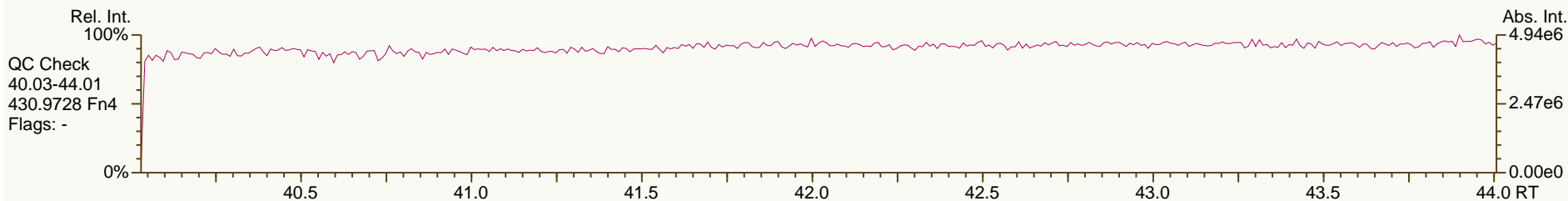
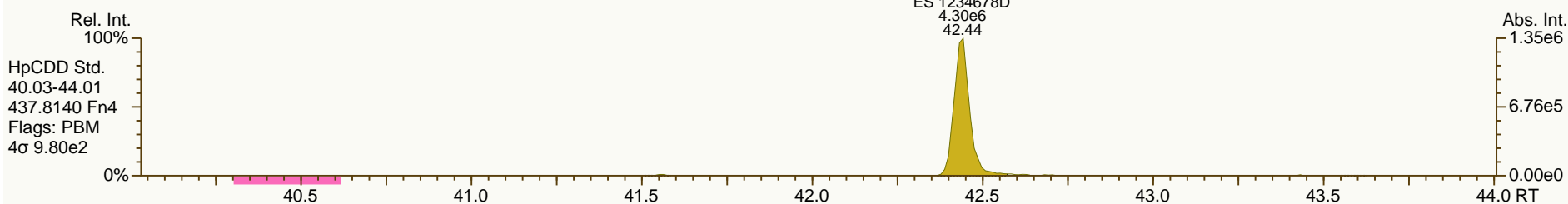
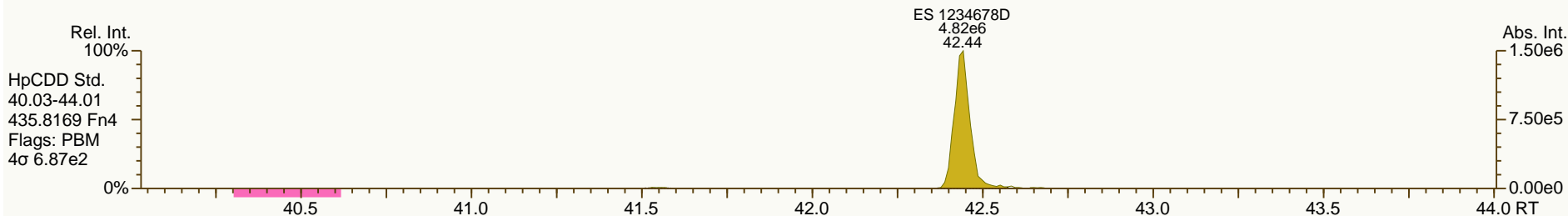
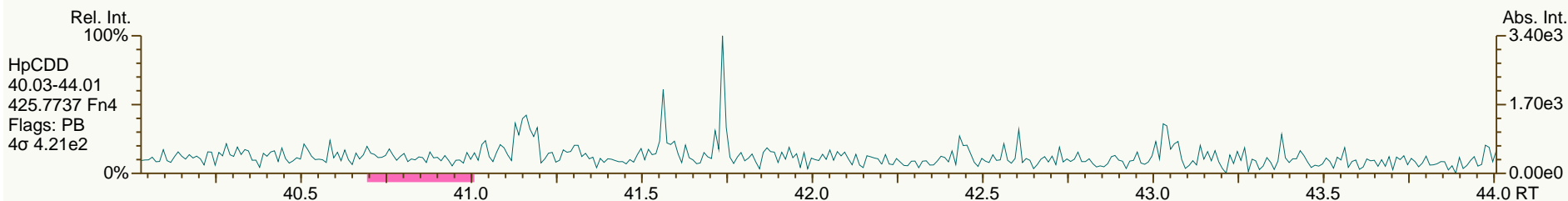
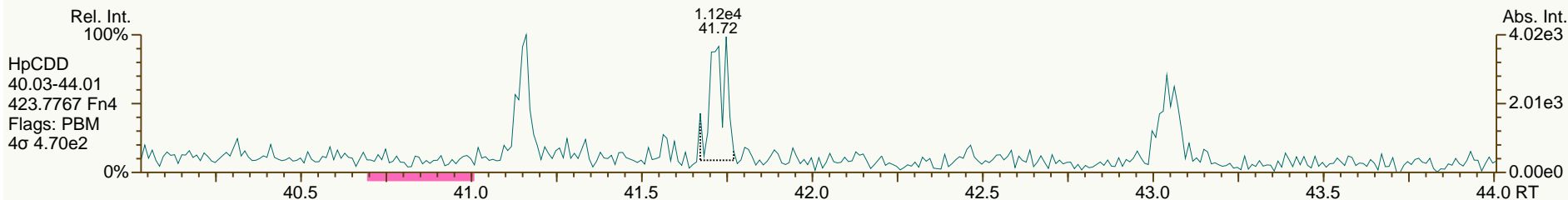
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SGS-AP ID: A5462_10924_DF_001
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

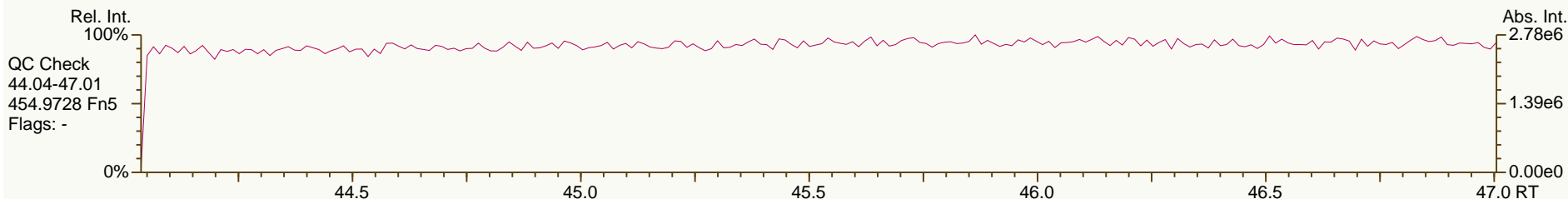
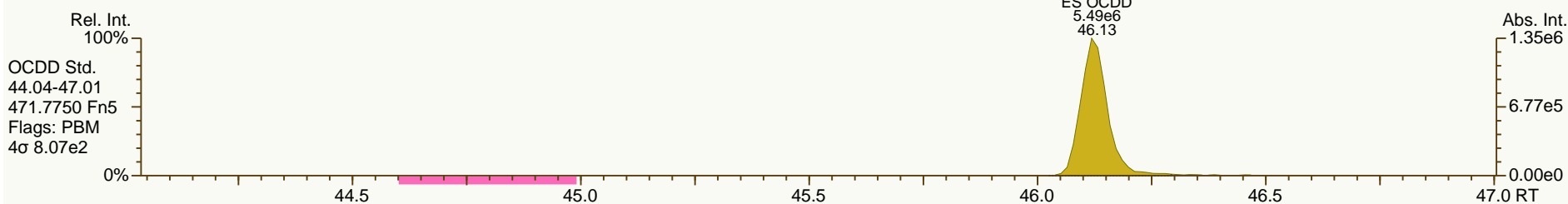
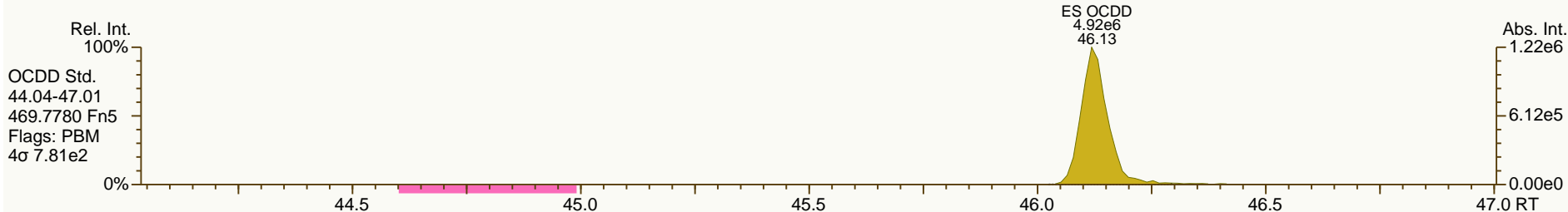
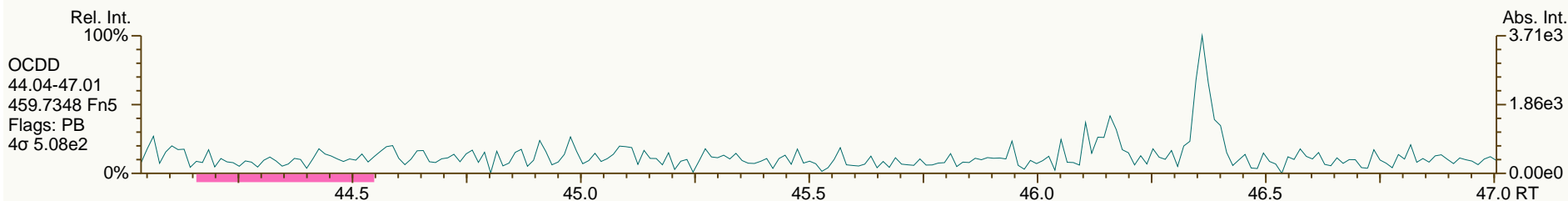
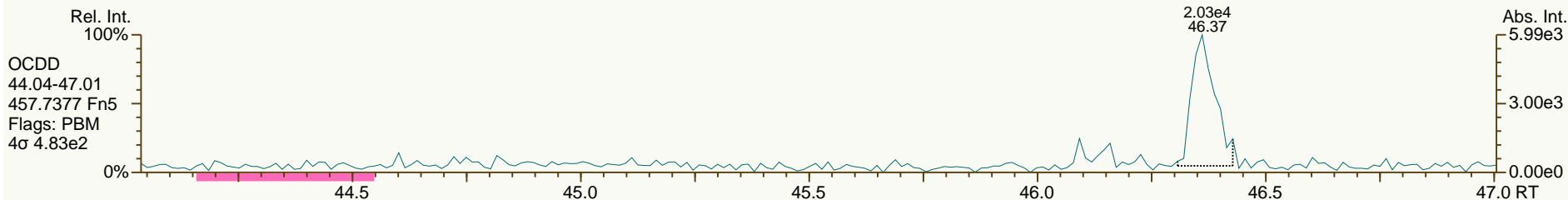
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

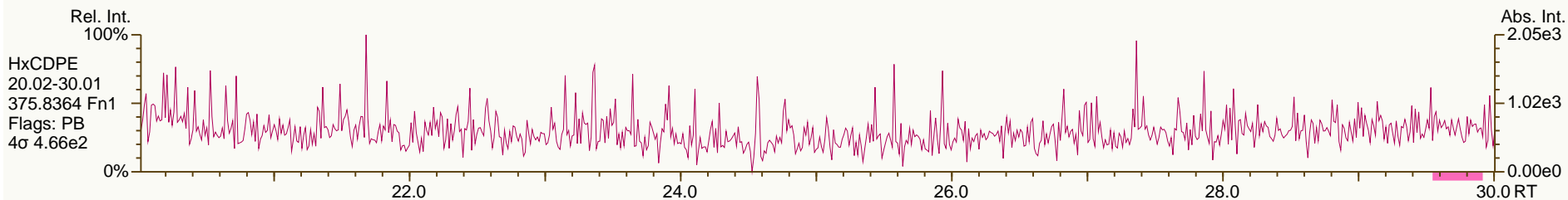
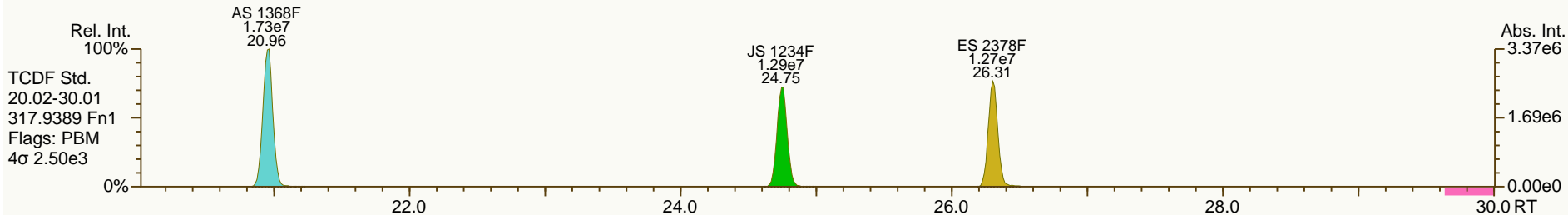
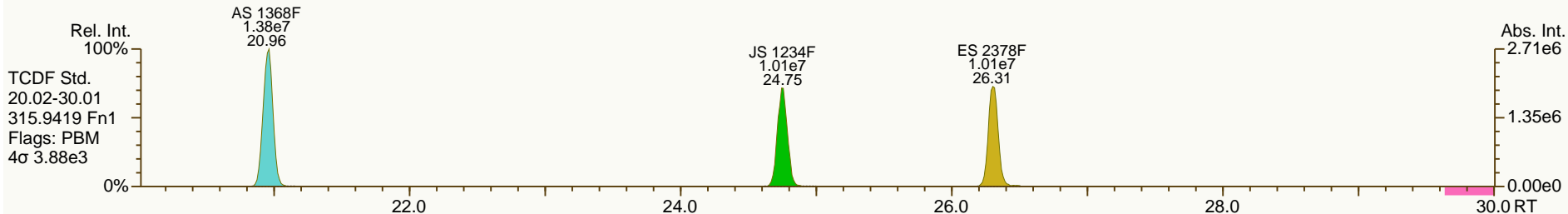
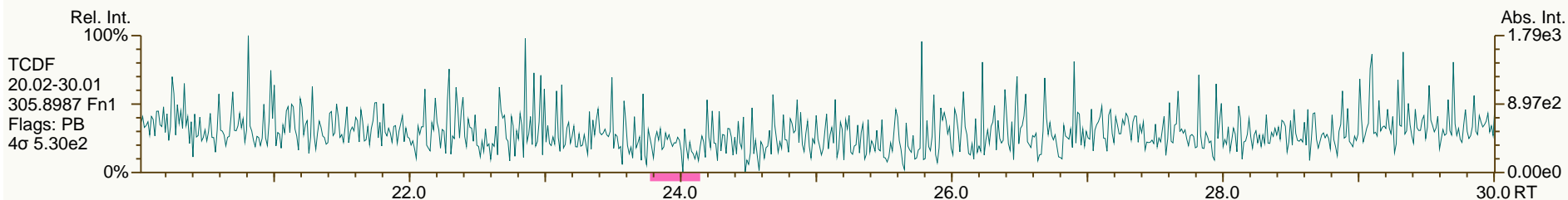
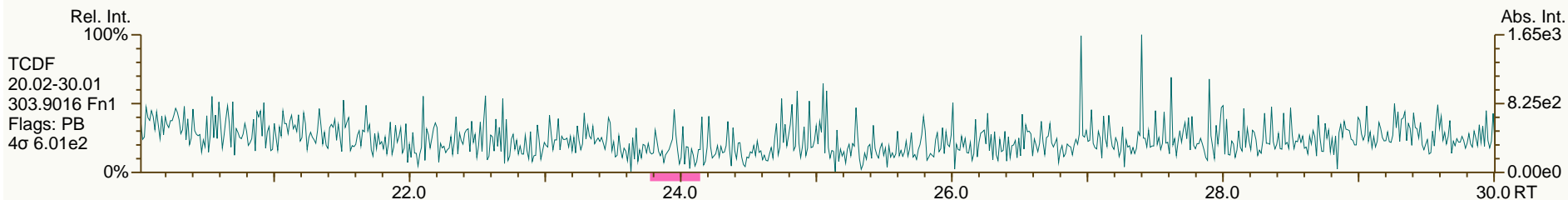
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

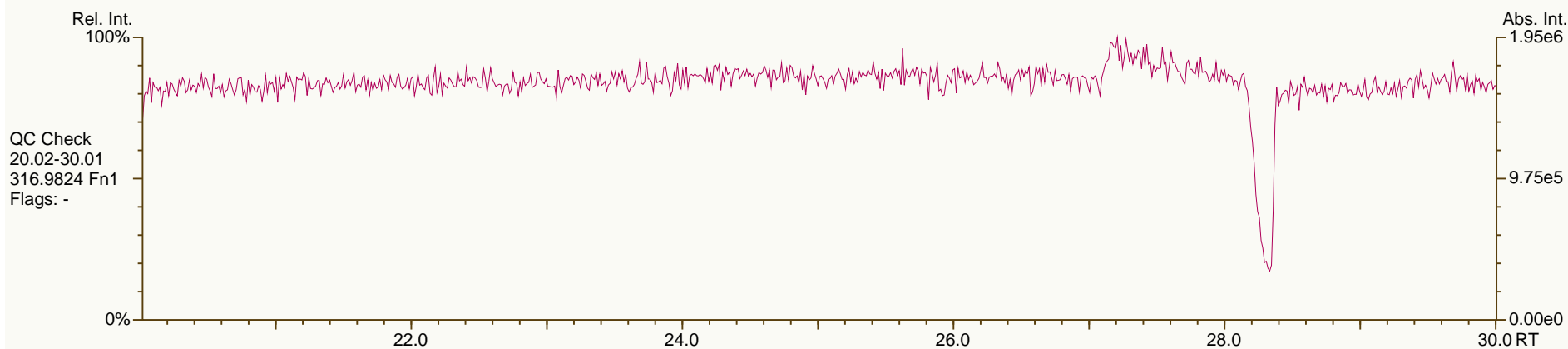
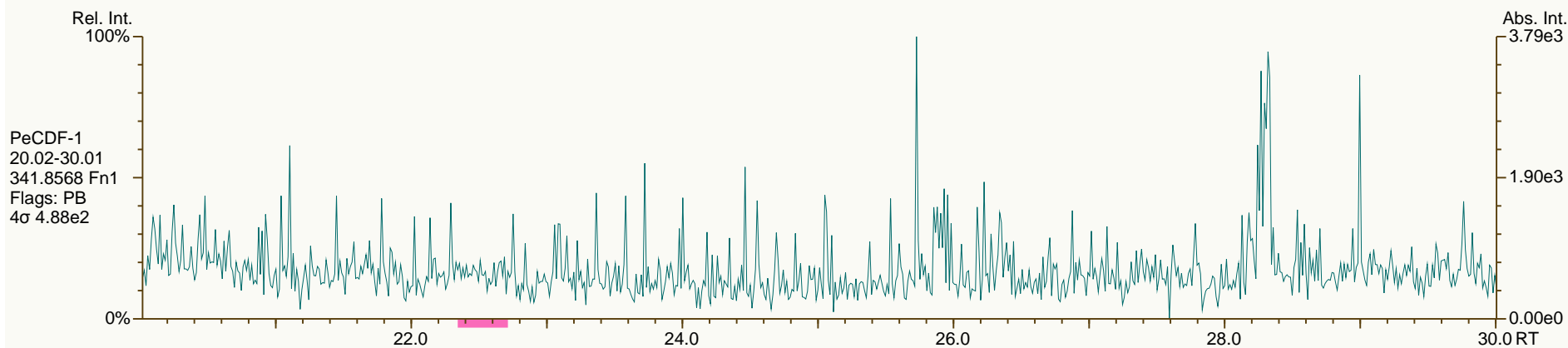
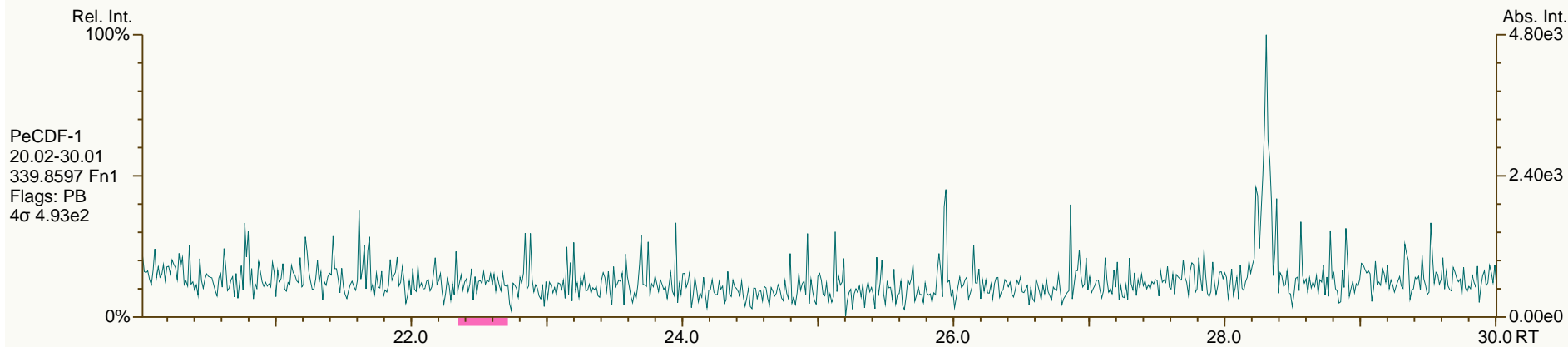
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

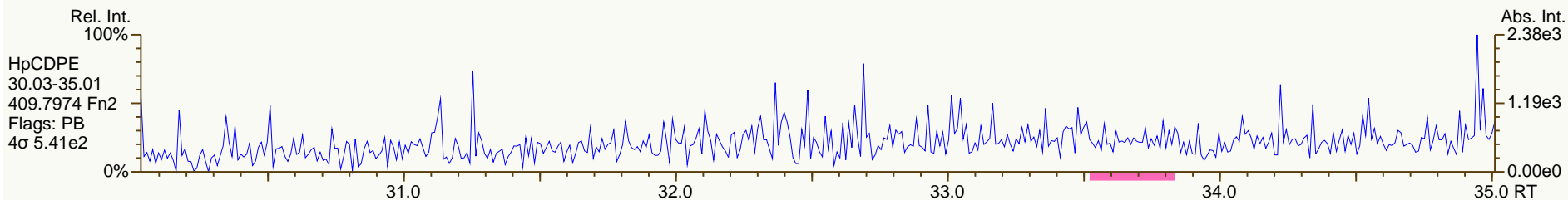
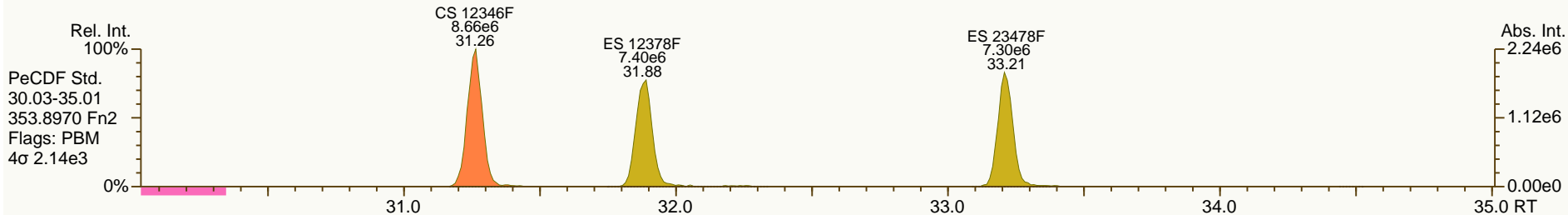
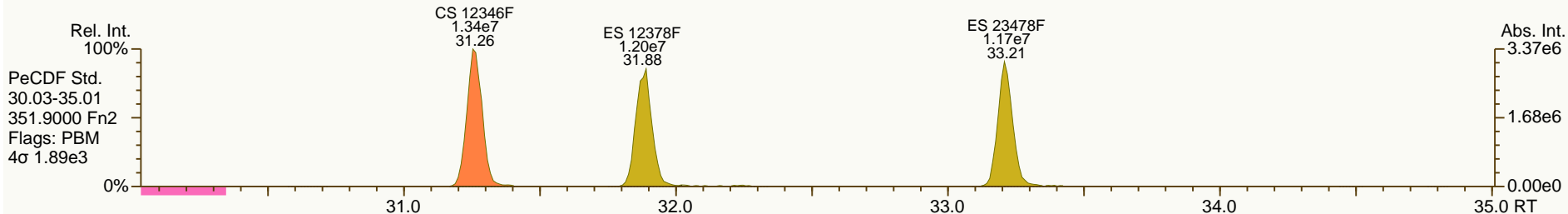
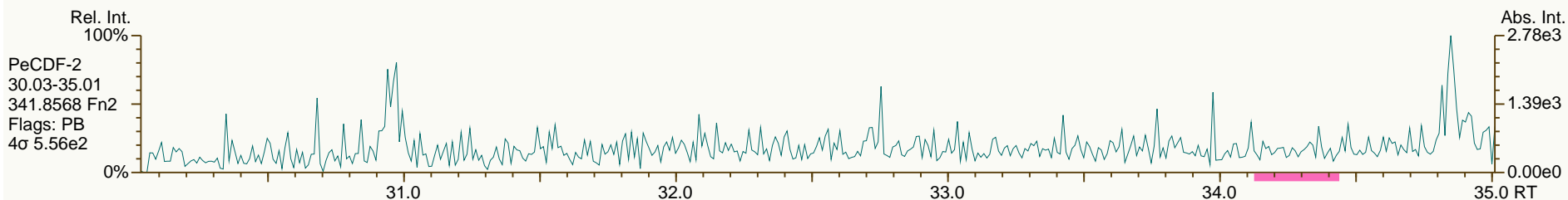
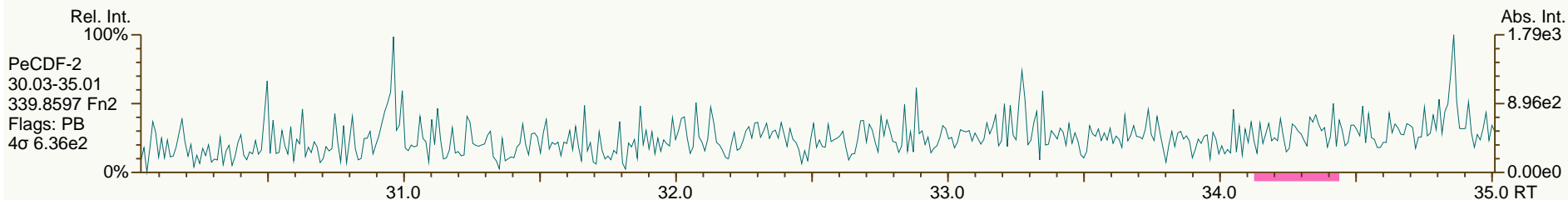
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

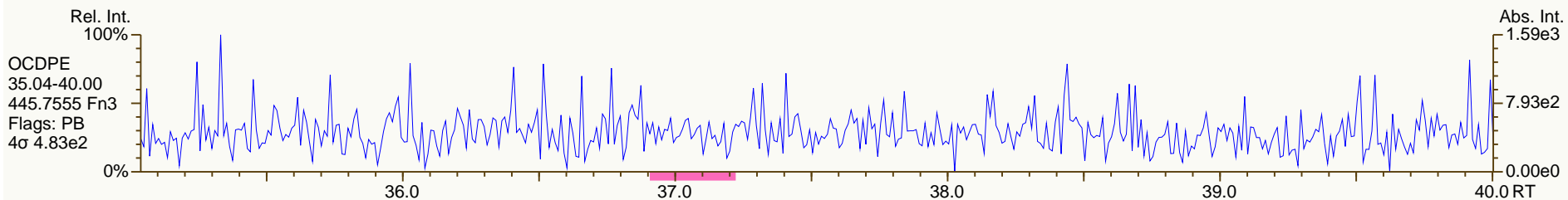
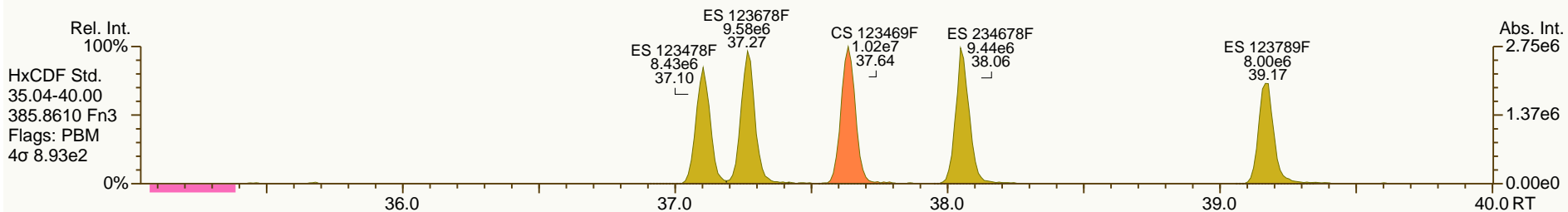
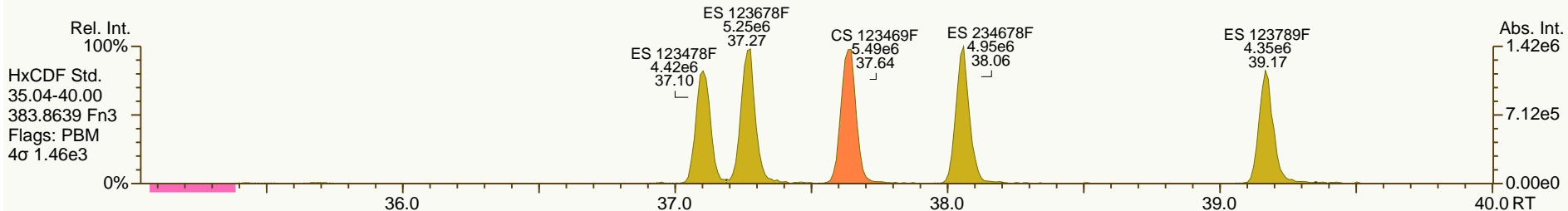
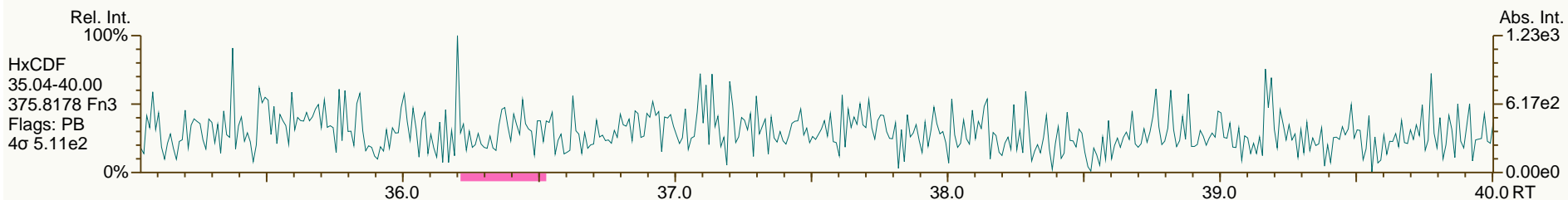
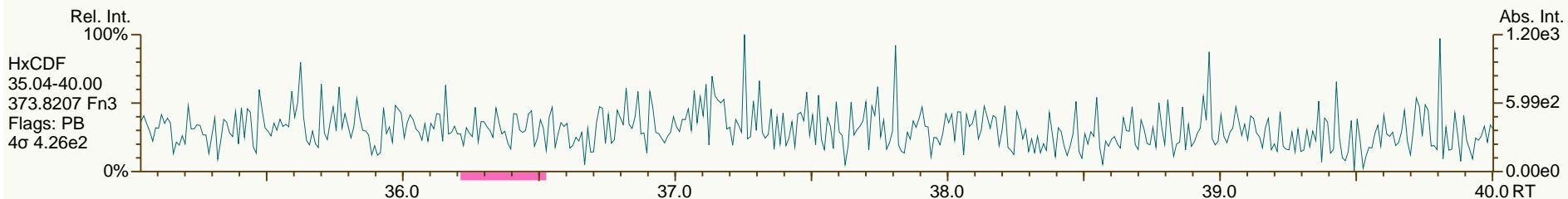
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SGS-AP ID: A5462_10924_DF_001
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

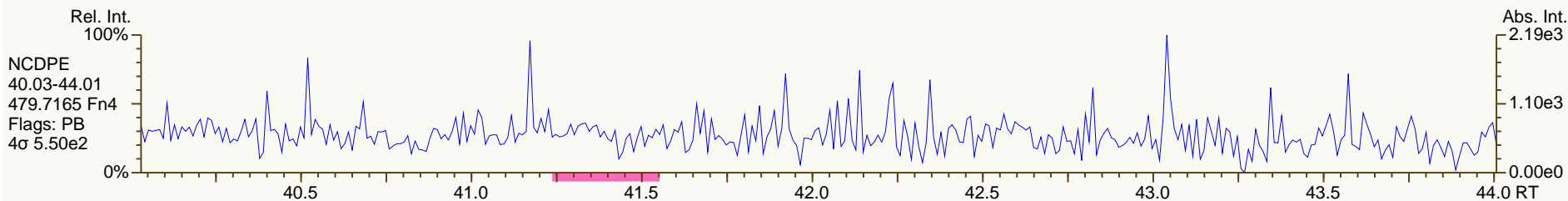
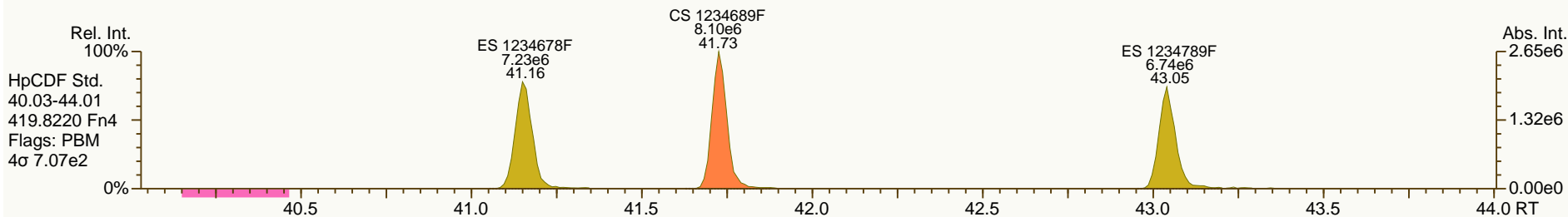
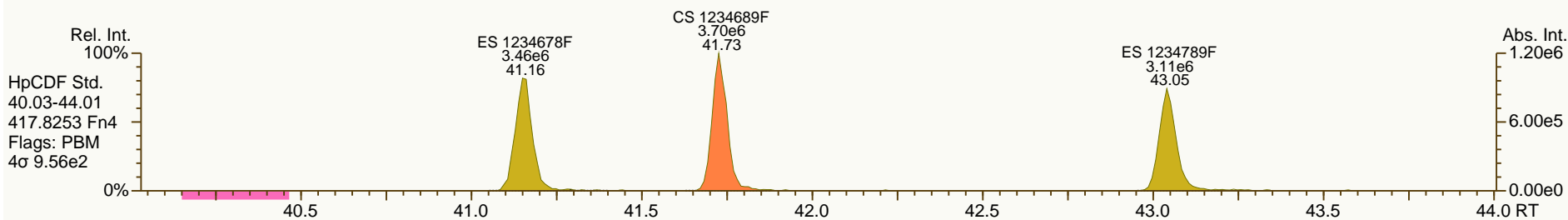
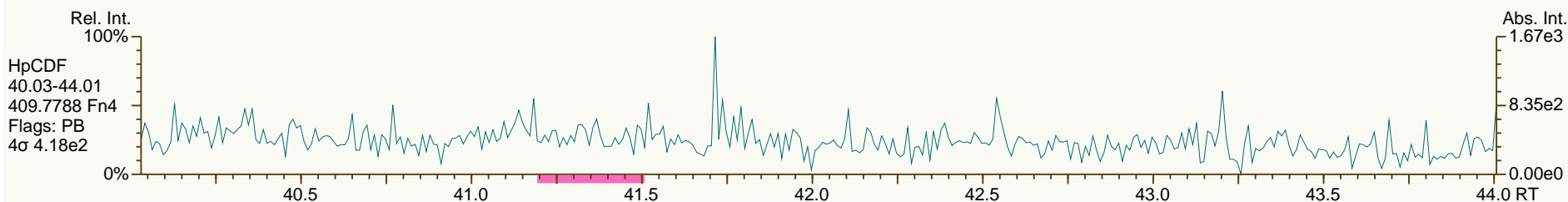
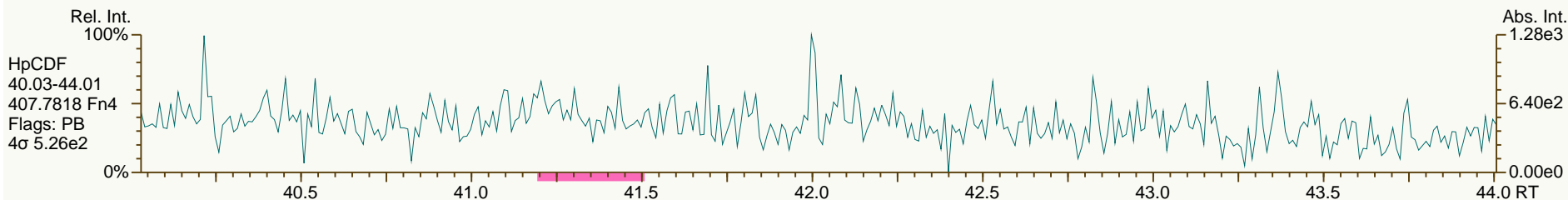
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

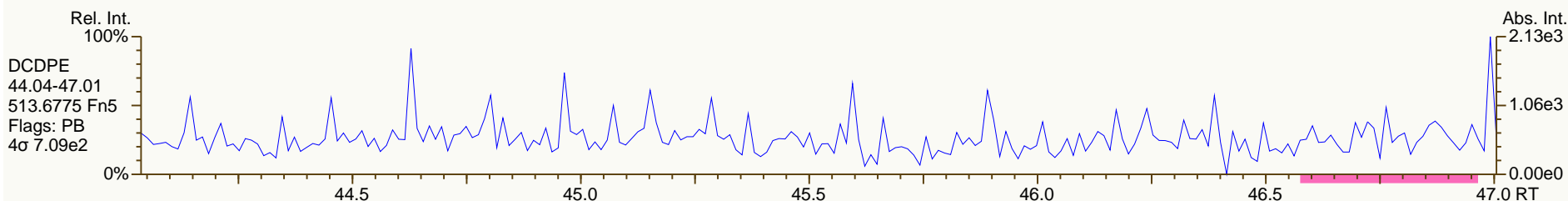
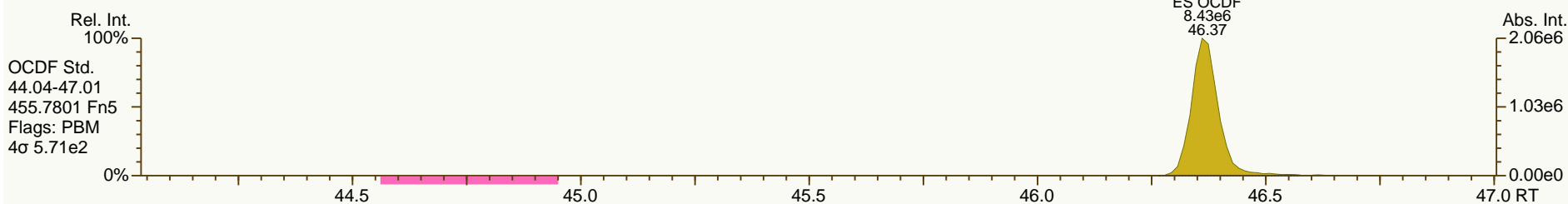
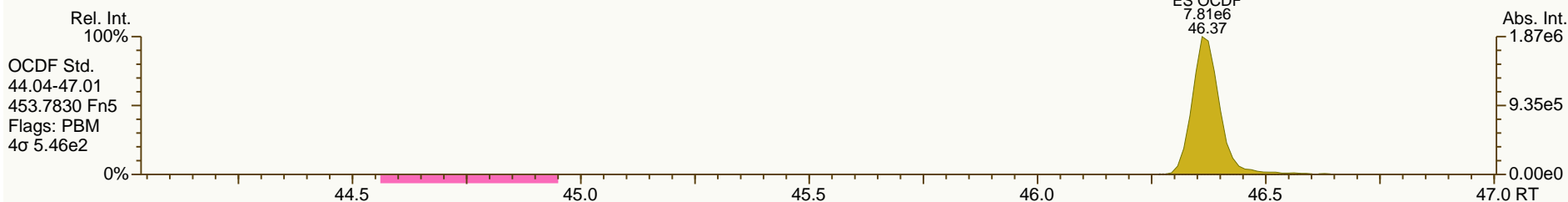
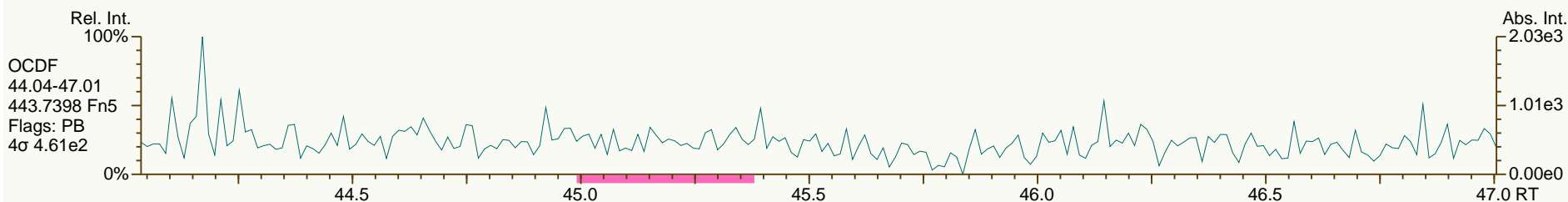
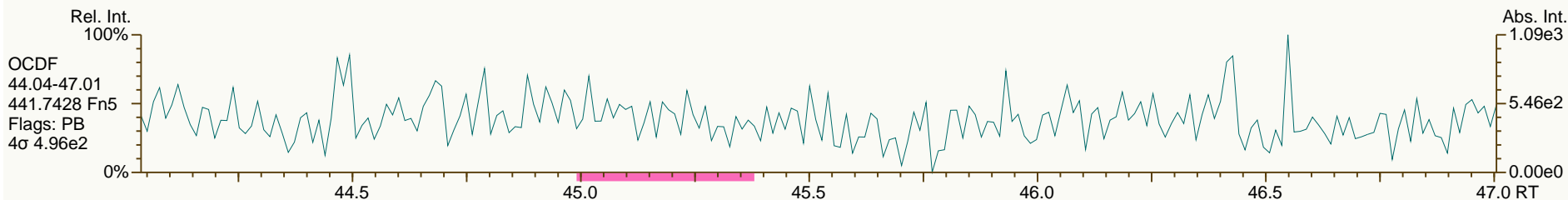
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SGS-AP ID: A5462_10924_DF_001
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSRB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 35

Acq: 19-MAY-2013 03:56:28
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Lab ID: A5462_10924_DF_002

Acq'd: 19 May 2013 04:48 MDC

Wt/Vol: 0.98 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSFB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.09 pg/L Split: 1

Checkcode: 485-973-JVV

Datafile: 130518P3-08

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	997	1.38
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	972	1.29
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	1209	1.82
123678-HxCDD	NotFnd		1.0040	-		-	-	-	1.04	-	1209	1.99
123789-HxCDD	NotFnd		1.0128	-		-	-	-	0.98	-	1209	1.76
1234678-HpCDD	NotFnd		1.0003	-		-	-	-	1.02	-	905	1.34
OCDD	NotFnd		1.0003	-		-	-	-	1.08	-	1033	2.8
2378-TCDF	NotFnd		1.0010	-		-	-	-	0.97	-	1227	1.18
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1193	1.07
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1193	1.18
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	983	0.951
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	983	1.04
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	983	0.975
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	983	1
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	1077	1.26
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	1077	1.25
OCDF	NotFnd		1.0007	-		-	-	-	1.00	-	1057	2.22

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.30	1.0282	1.0284	+0.3	1.69E+07	0.79	Y	1.01	93.2
ES 12378-PeCDD	33.62	1.2656	1.2663	+1.1	1.48E+07	1.34	Y	0.90	91.9
ES 123478-HxCDD	38.27	0.9909	0.9908	-0.2	1.17E+07	1.27	Y	0.99	84.9
ES 123678-HxCDD	38.41	0.9944	0.9943	-0.2	1.07E+07	1.26	Y	1.02	75.5
ES 123789-HxCDD	38.74	1.0031	1.0031	0	1.27E+07	1.30	Y	1.12	81.7
ES 1234678-HpCDD	42.44	1.0987	1.0988	+0.2	1.09E+07	1.05	Y	0.90	86.9
ES OCDD	46.13	1.1942	1.1942	0	1.34E+07	0.88	Y	0.74	64.8
ES 2378-TCDF	26.31	1.0623	1.0630	+1.0	2.64E+07	0.80	Y	1.05	87.9
ES 12378-PeCDF	31.88	1.2870	1.2884	+2.1	2.27E+07	1.64	Y	0.88	90.8
ES 23478-PeCDF	33.21	1.3404	1.3420	+2.4	2.11E+07	1.57	Y	0.91	81.5
ES 123478-HxCDF	37.10	0.9605	0.9605	0	1.56E+07	0.53	Y	1.25	89.5
ES 123678-HxCDF	37.27	0.9649	0.9648	-0.2	1.57E+07	0.53	Y	1.40	80.9
ES 234678-HxCDF	38.05	0.9852	0.9852	0	1.52E+07	0.53	Y	1.29	84.6
ES 123789-HxCDF	39.17	1.0140	1.0140	0	1.63E+07	0.53	Y	1.17	101
ES 1234678-HpCDF	41.15	1.0654	1.0654	0	1.23E+07	0.45	Y	1.03	85.8
ES 1234789-HpCDF	43.04	1.1142	1.1143	+0.2	1.16E+07	0.45	Y	0.89	93.9
ES OCDF	46.37	1.2003	1.2005	+0.5	1.99E+07	0.88	Y	1.00	71.5

Lab ID: A5462_10924_DF_002

Acq'd: 19 May 2013 04:48 MDC

Wt/Vol: 0.98 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SSFB-130429

UTP: 20-May-2013 11:48 MDC

J-level: 5.09 pg/L Split: 1

Checkcode: 485-973-JVV

Datafile: 130518P3-08

Report: 20 May 2013 11:49 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

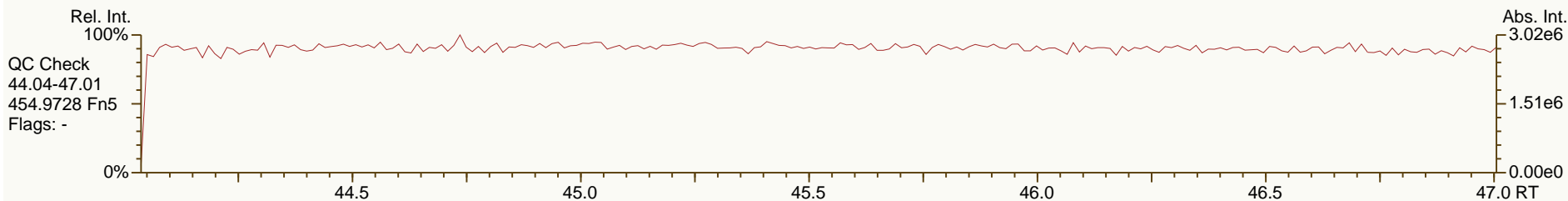
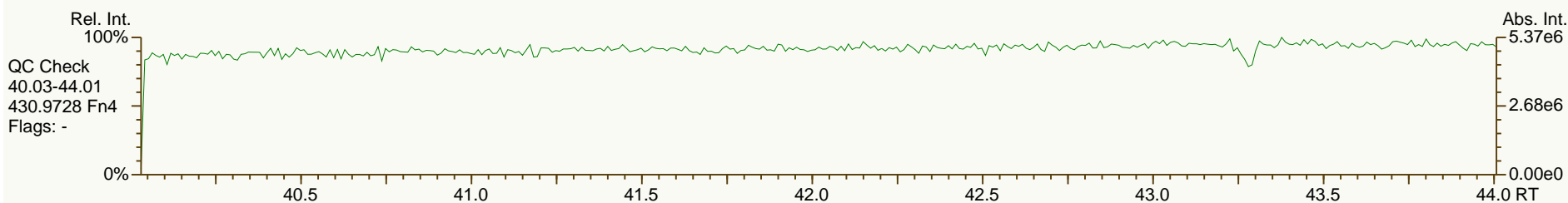
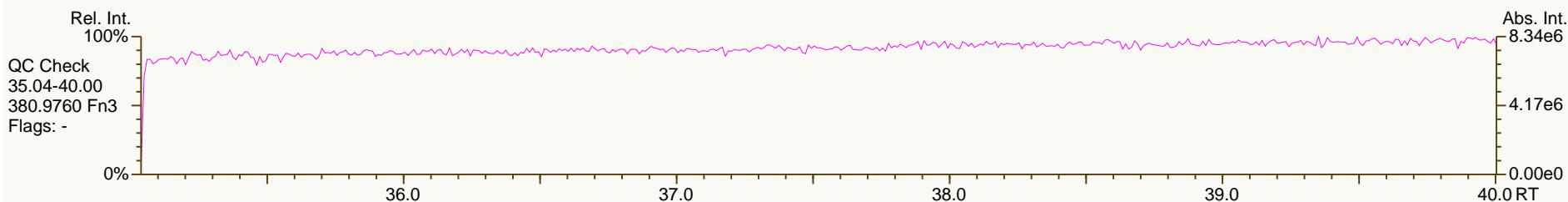
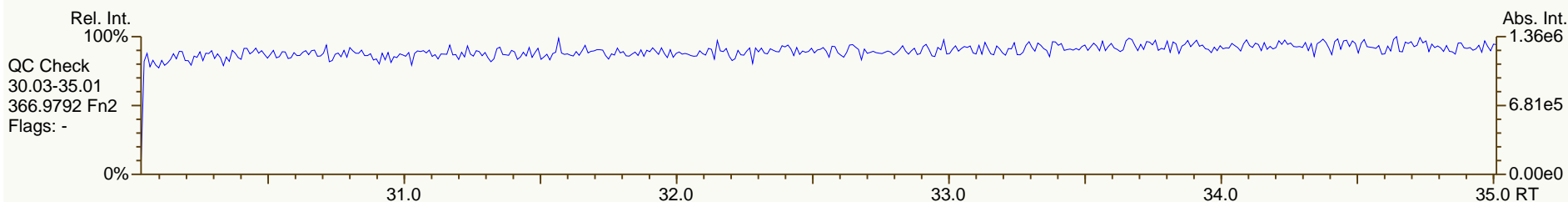
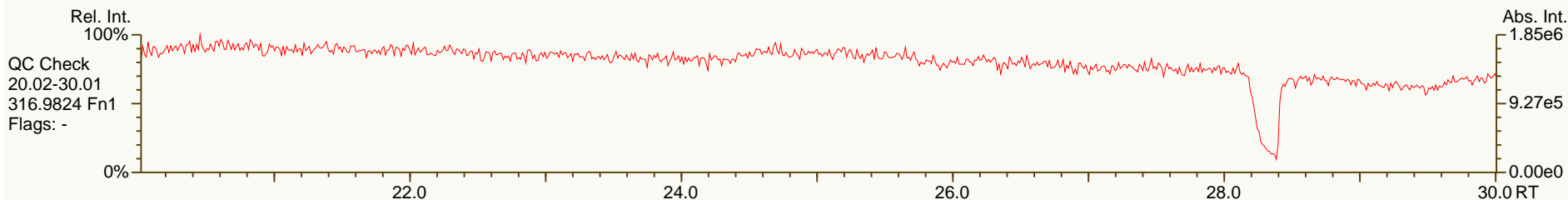
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JS 1234-TCDF	24.75		-	-	-	2.85E+07	0.80	Y	-	-
JS 123467-HxCDD	38.63		-	-	-	6.94E+06	1.30	Y	-	-
CS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	8.34E+06	n/a	-	1.10	106
CS 12347-PeCDD	33.02		1.2432	1.2440	+1.3	1.52E+07	1.64	Y	0.79	107
CS 12346-PeCDF	31.27		1.2618	1.2635	+2.5	2.62E+07	1.56	Y	0.87	106
CS 123469-HxCDF	37.63		0.9743	0.9743	0	1.92E+07	0.52	Y	1.21	114
CS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.38E+07	0.46	Y	0.89	111
SS 37C1-2378-TCDD	27.33		1.0292	1.0294	+0.3	8.34E+06	n/a	-	1.09	113
SS 12347-PeCDD	33.02		1.2432	1.2440	+1.3	1.52E+07	1.64	Y	0.89	116
SS 12346-PeCDF	31.27		1.2618	1.2635	+2.5	2.62E+07	1.56	Y	0.99	117
SS 123469-HxCDF	37.63		0.9743	0.9743	0	1.92E+07	0.52	Y	0.87	141
SS 1234689-HpCDF	41.73		1.0802	1.0803	+0.2	1.38E+07	0.46	Y	0.87	130
AS 1368-TCDD	23.13		0.8721	0.8713	-1.3	1.71E+07	0.79	Y	1.00	95.3
AS 1368-TCDF	20.97		0.8467	0.8473	+0.9	3.32E+07	0.79	Y	1.20	97.1
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

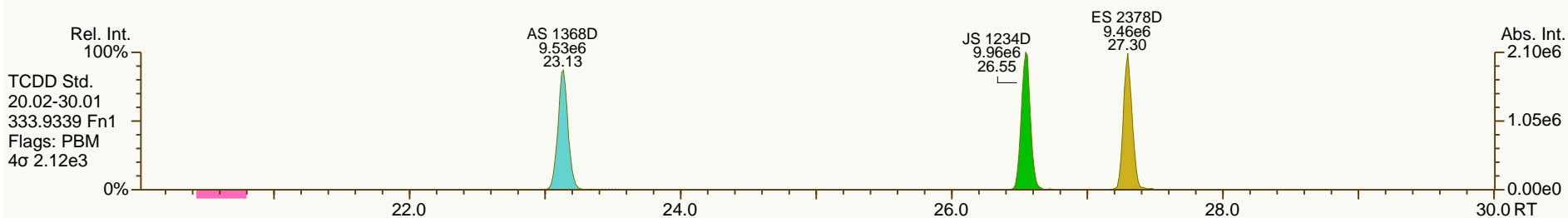
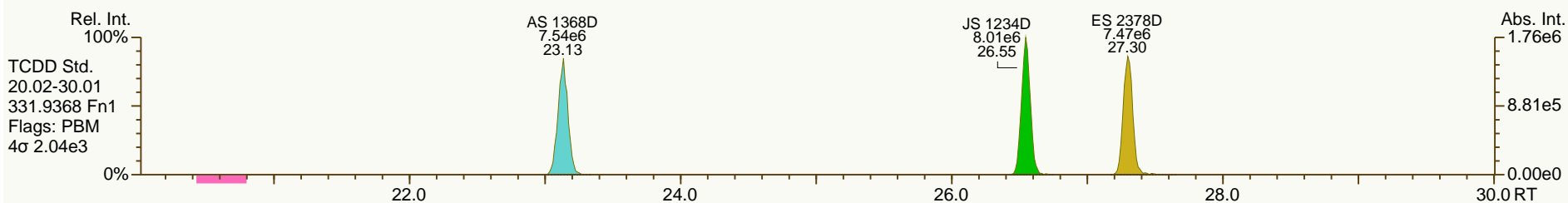
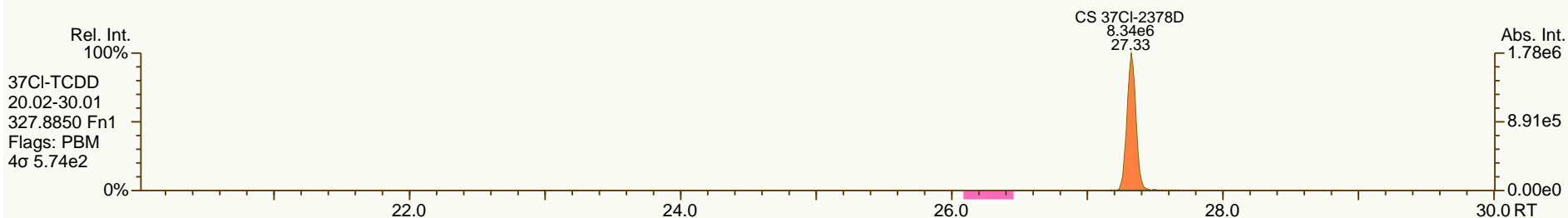
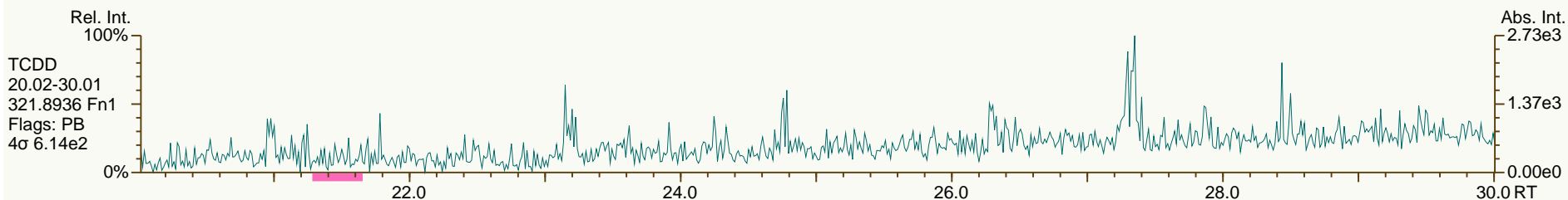
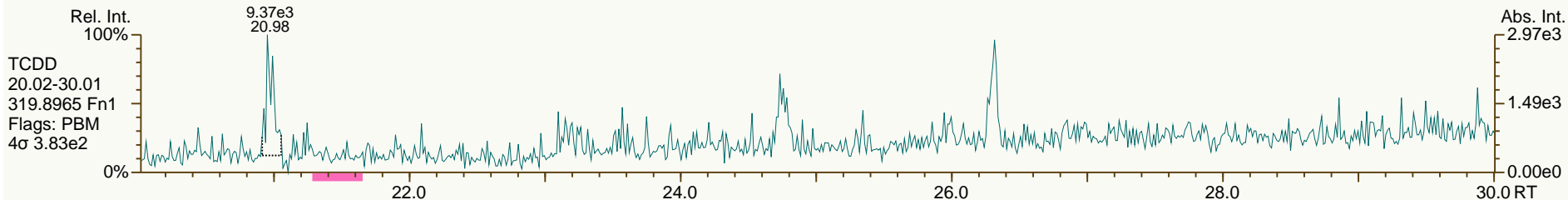
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

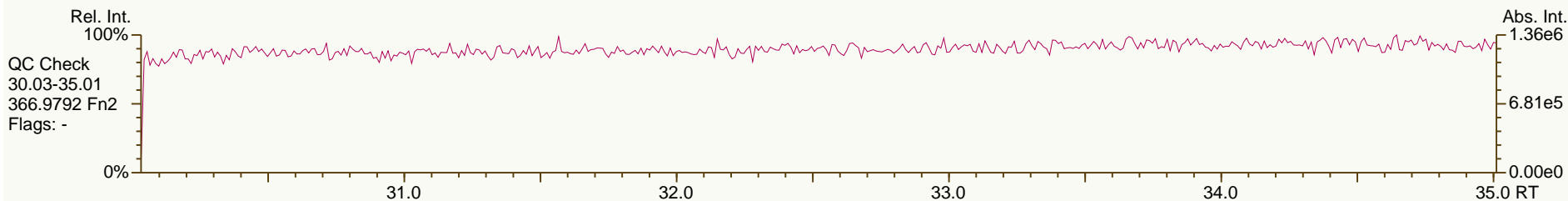
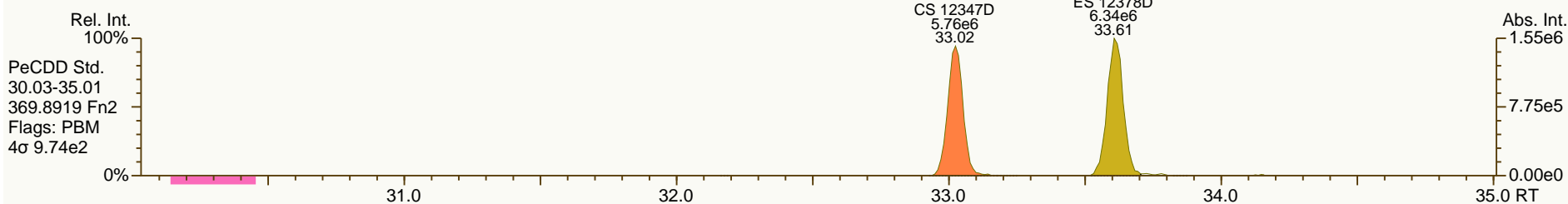
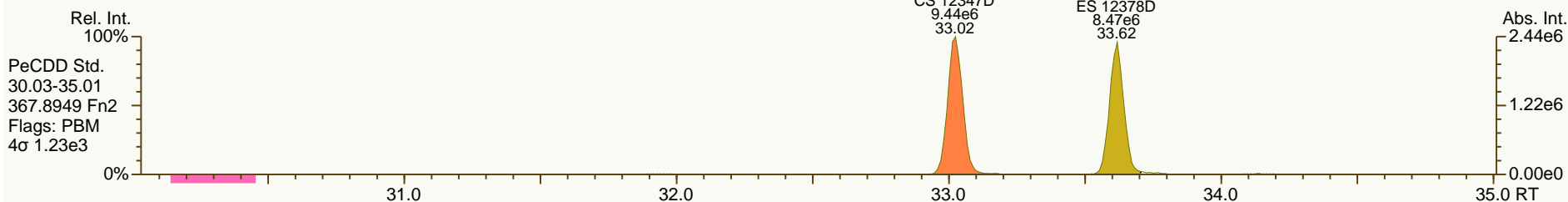
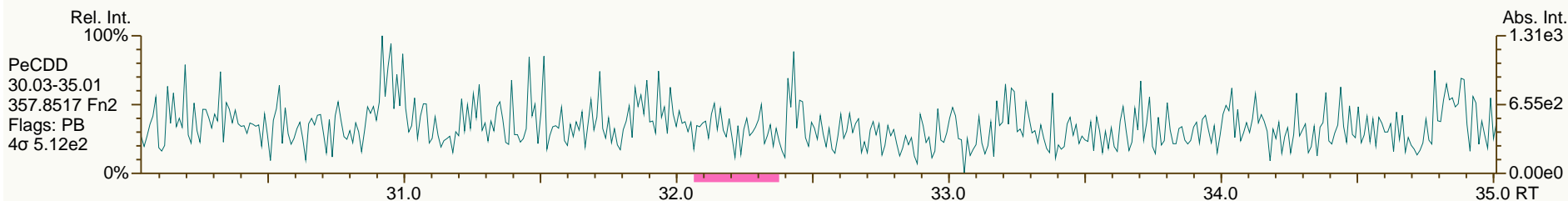
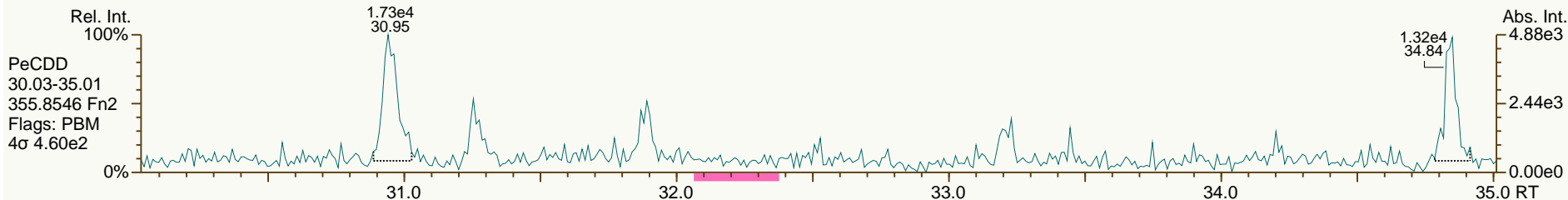
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SGS-AP ID: A5462_10924_DF_002
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

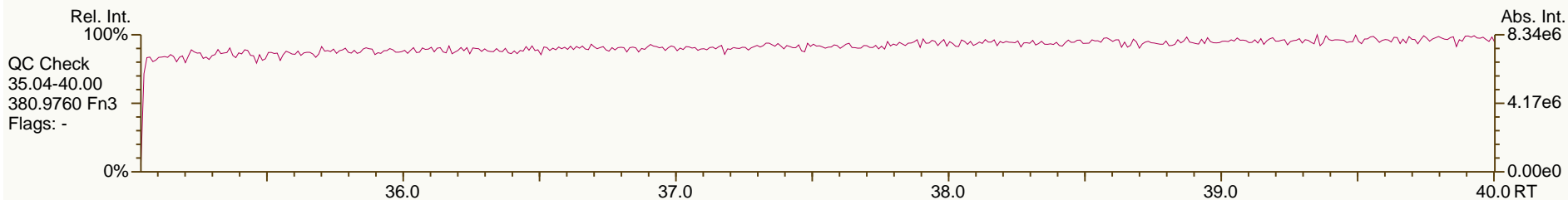
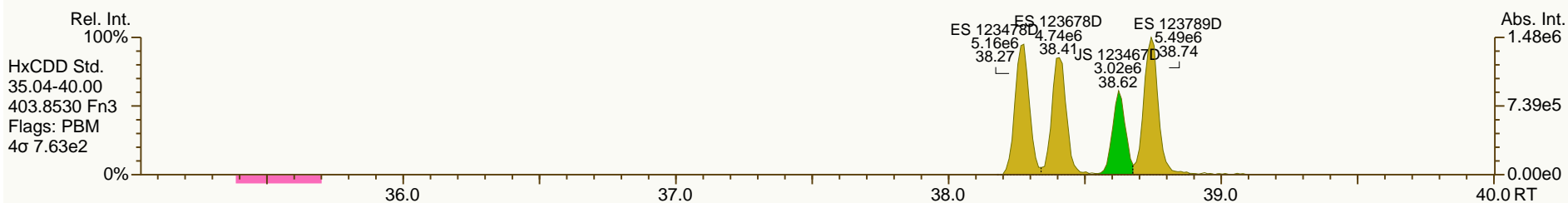
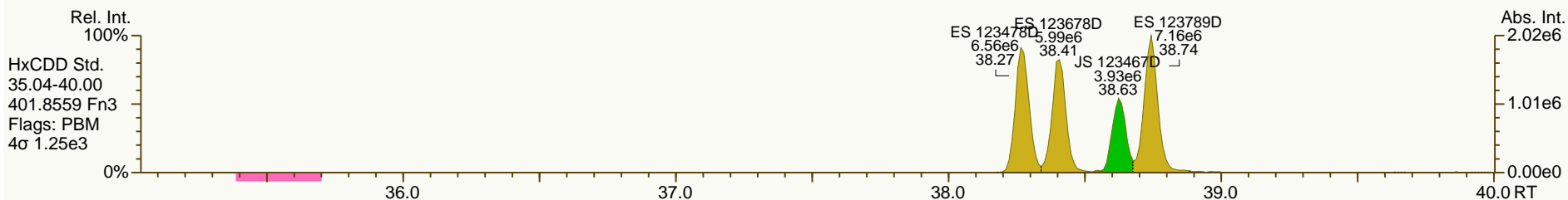
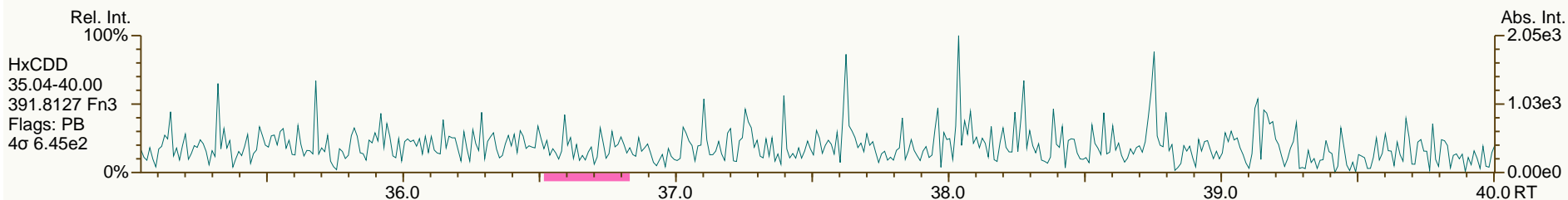
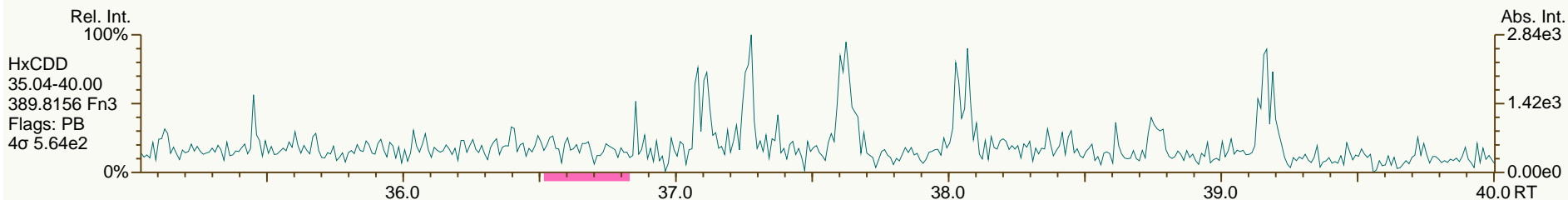
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User: MDC Datafile: 130518P3-08



SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

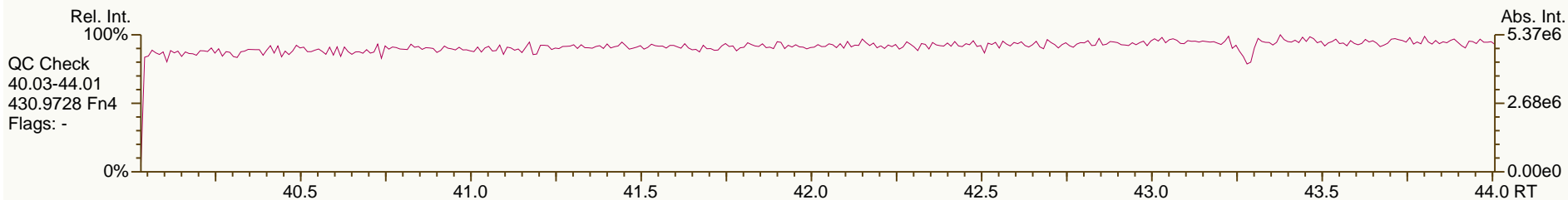
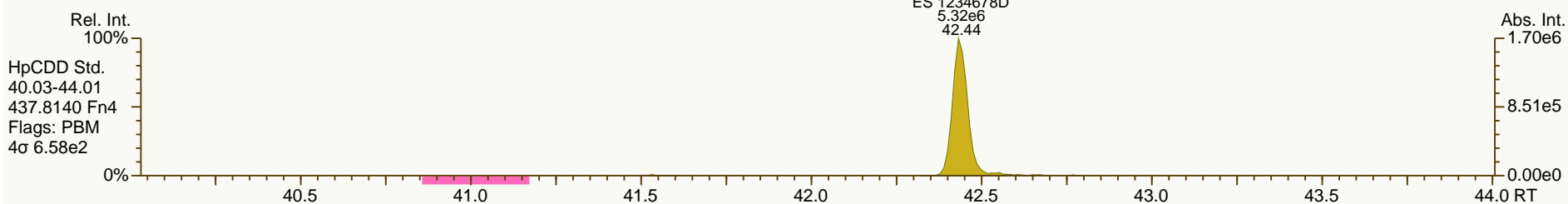
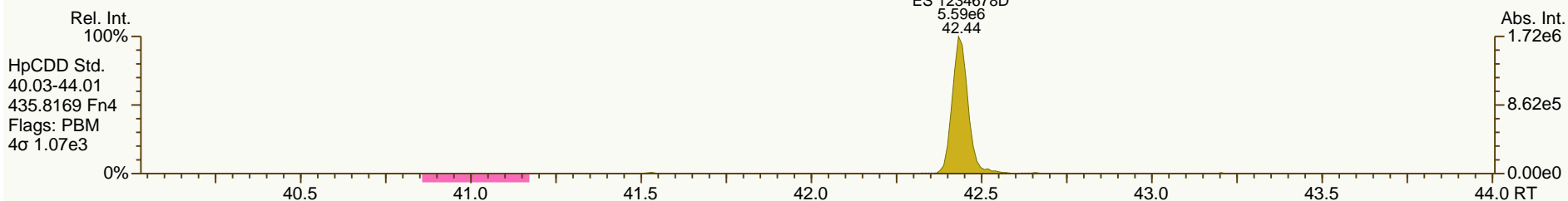
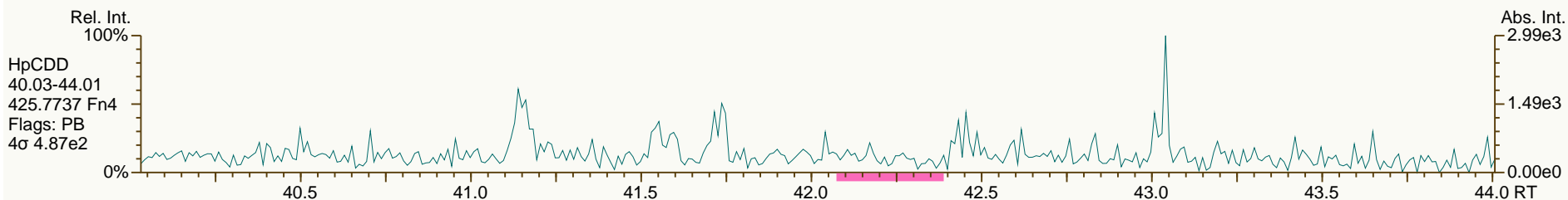
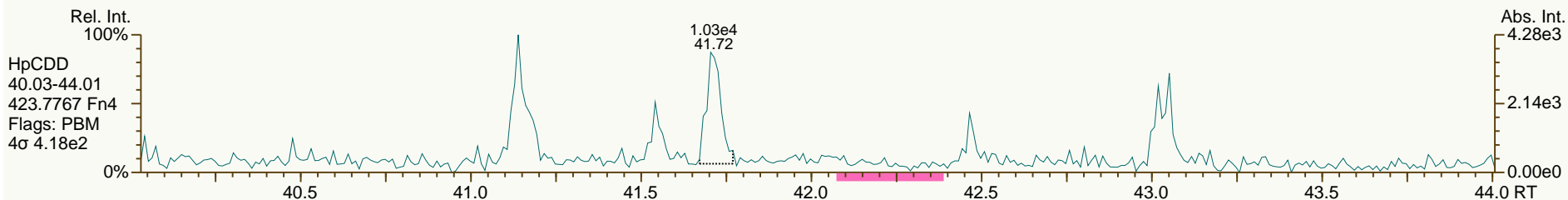
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

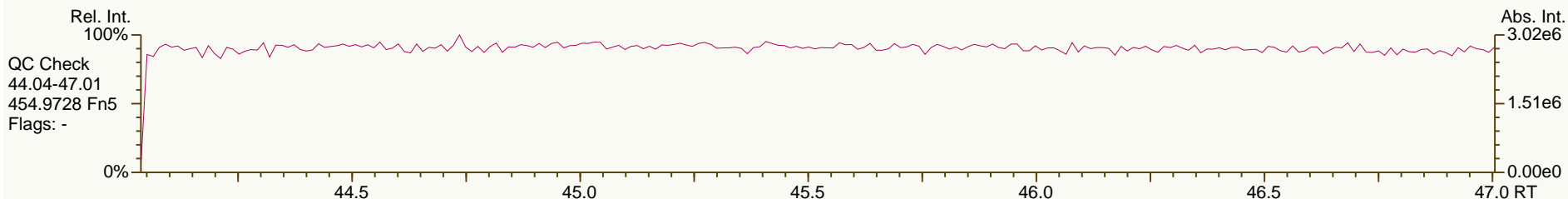
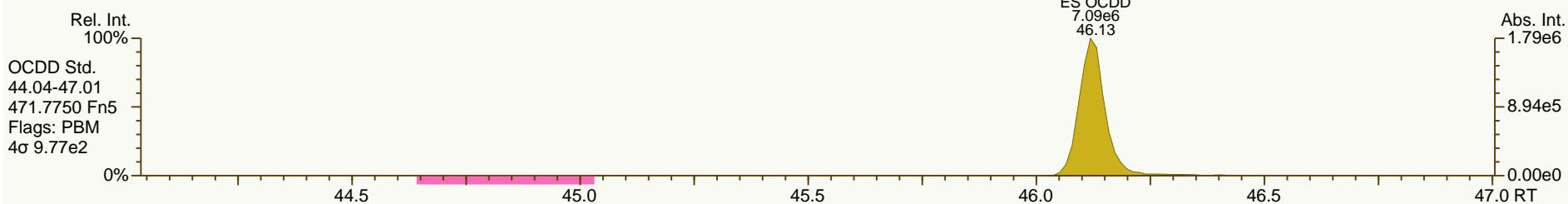
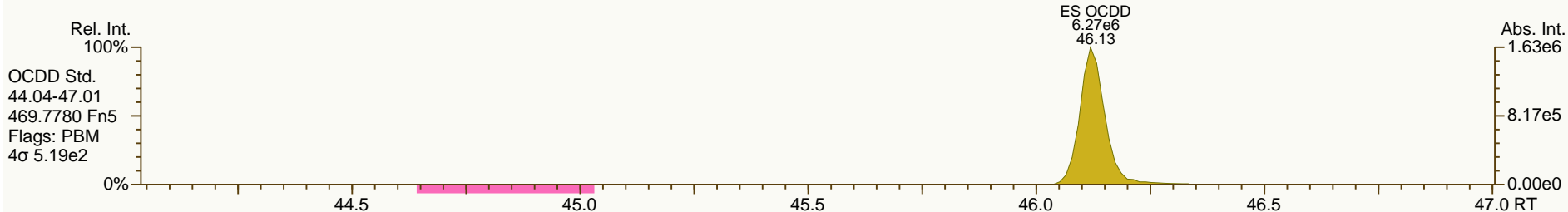
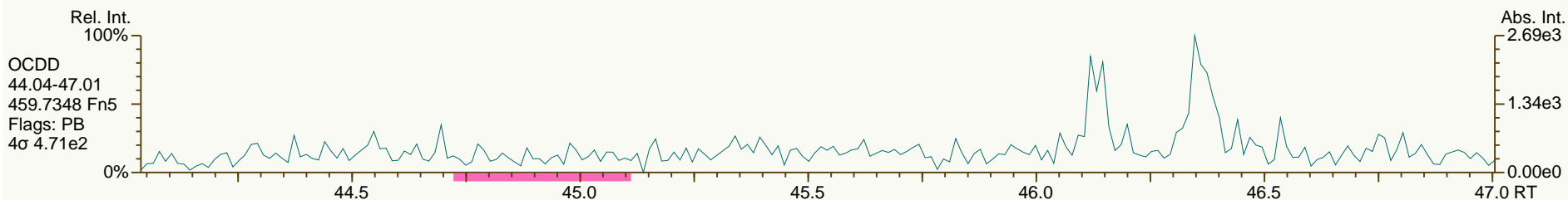
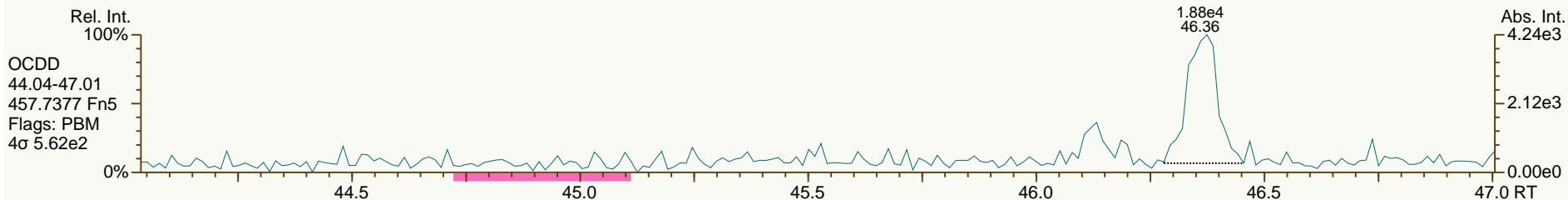
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

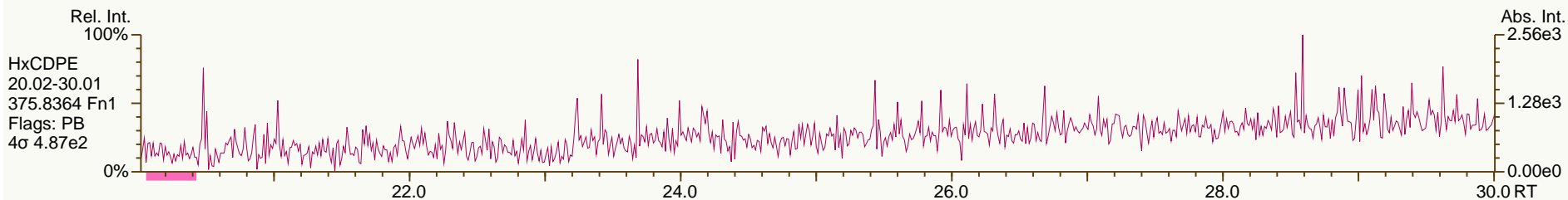
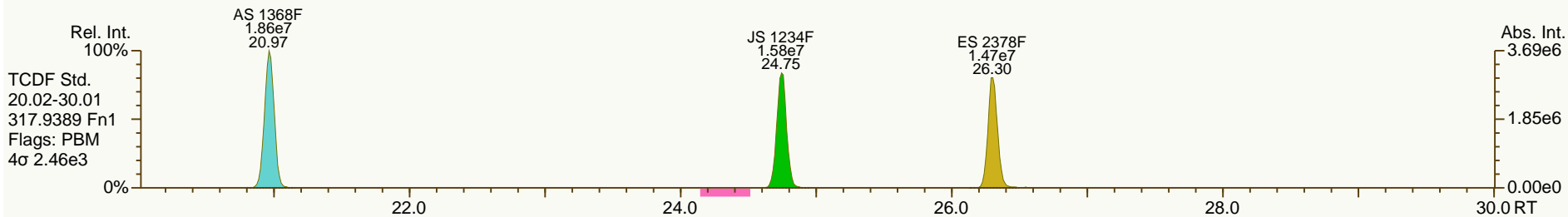
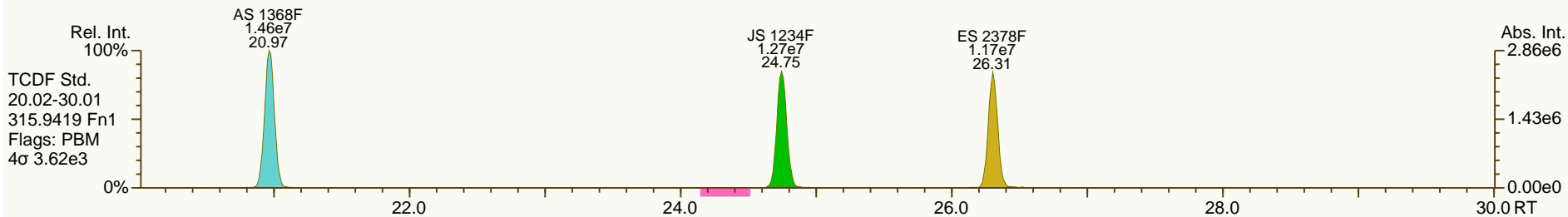
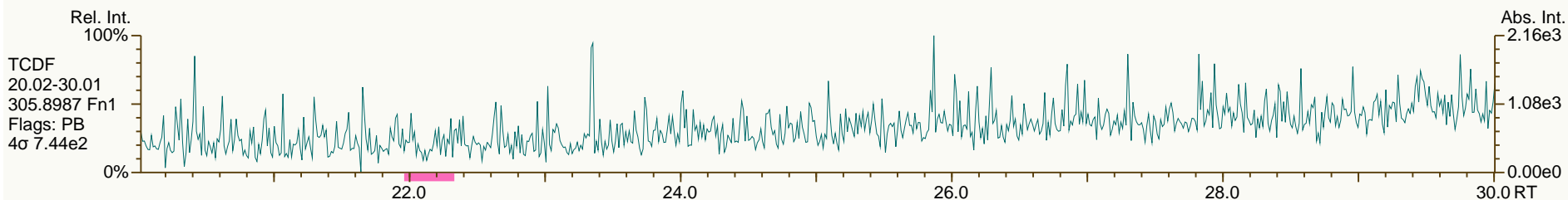
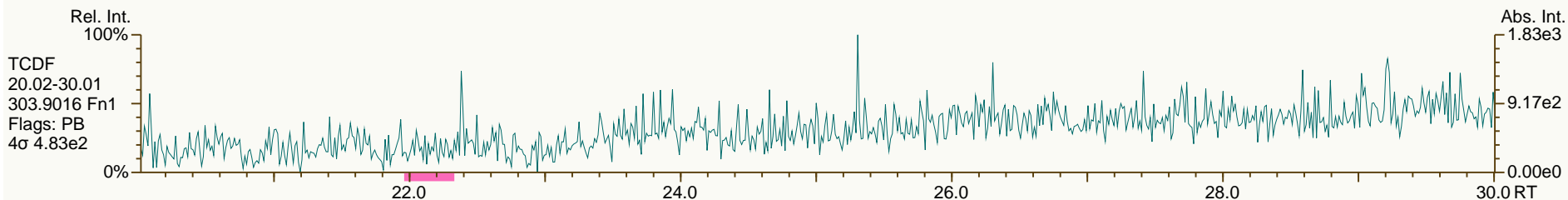
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User: MDC Datafile: 130518P3-08



SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

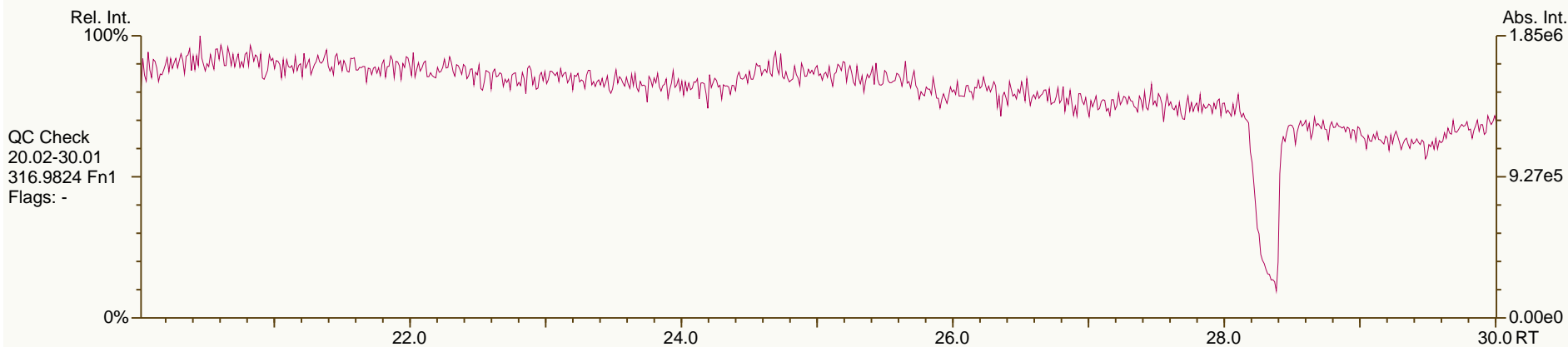
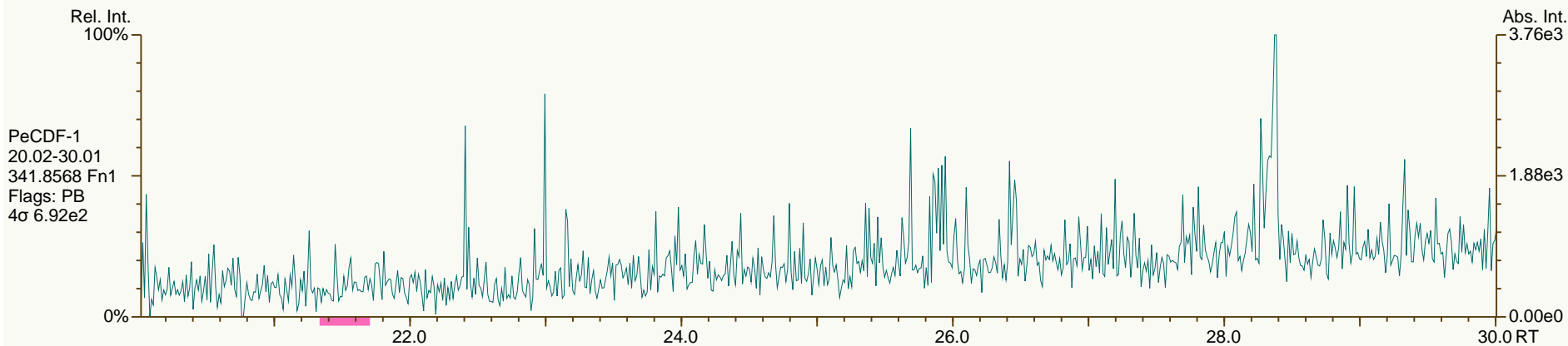
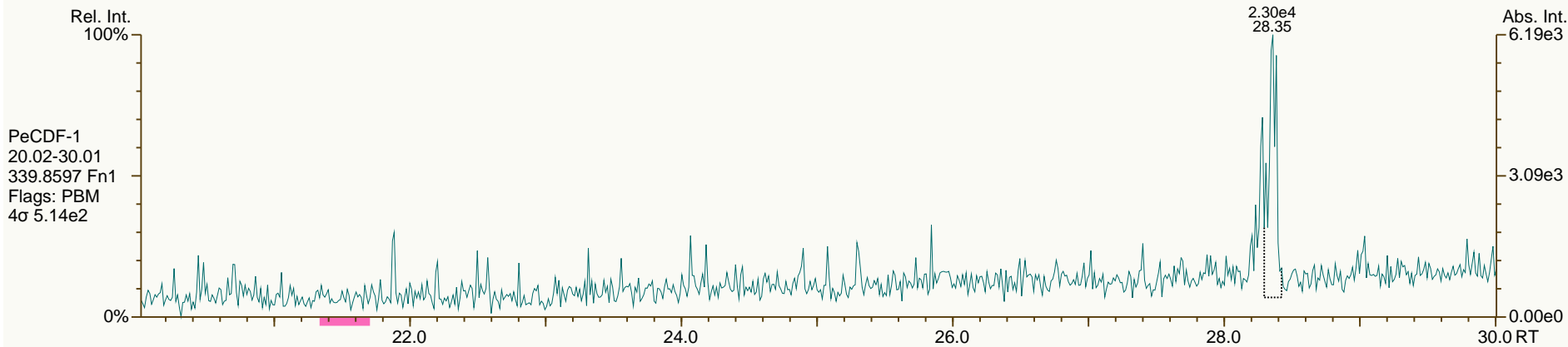
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

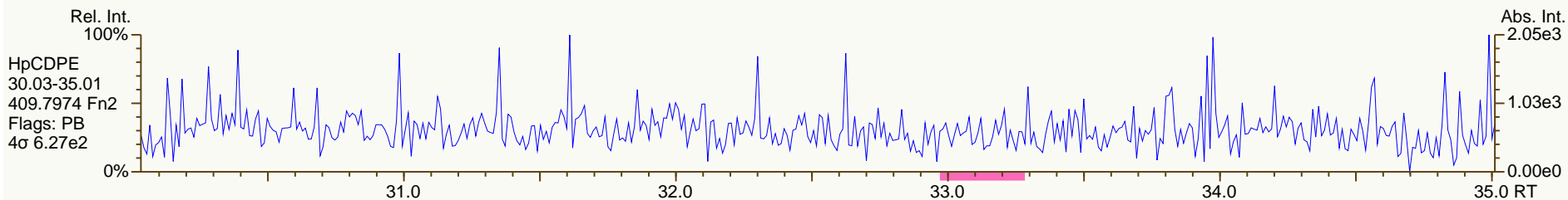
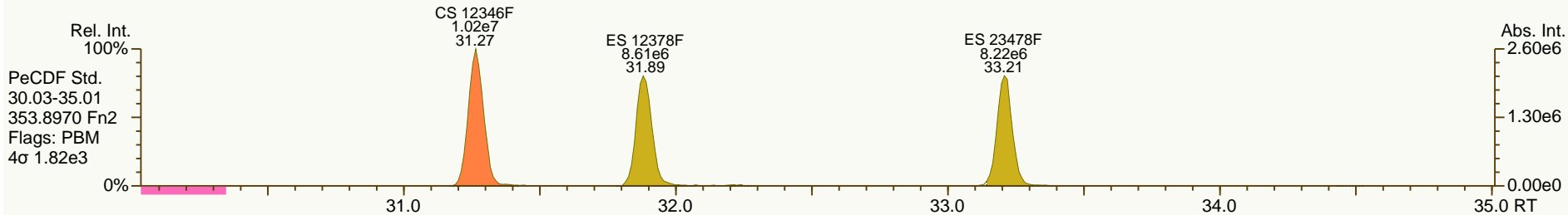
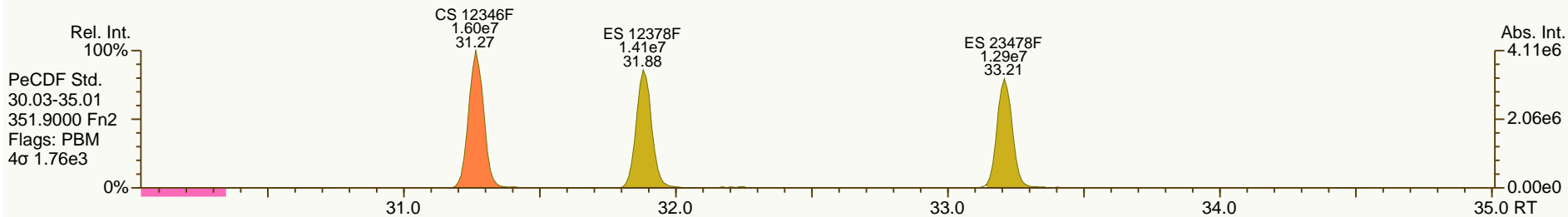
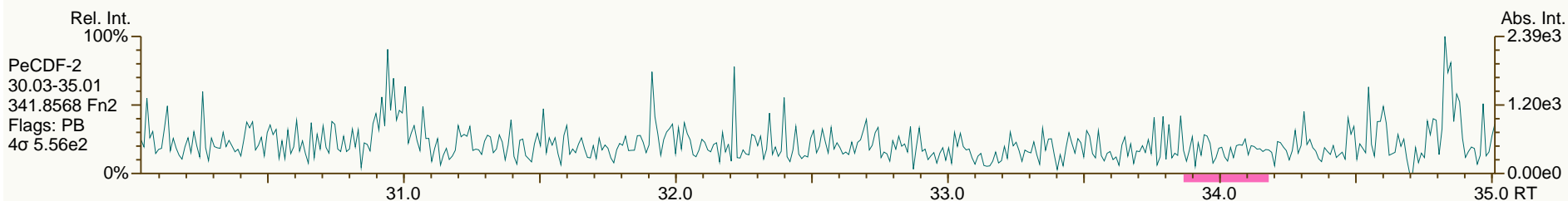
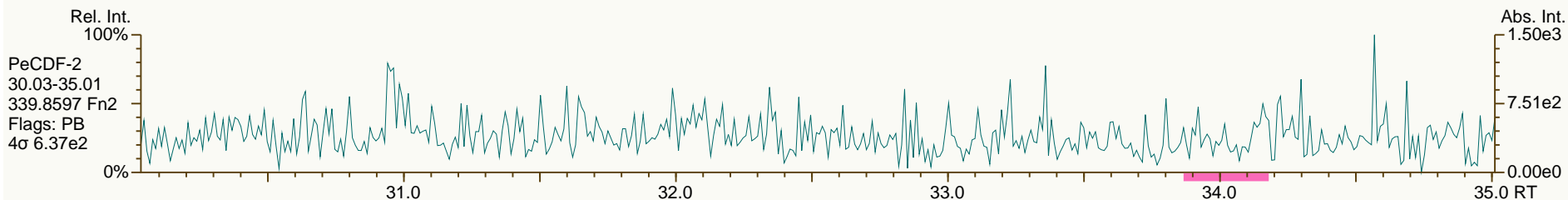
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

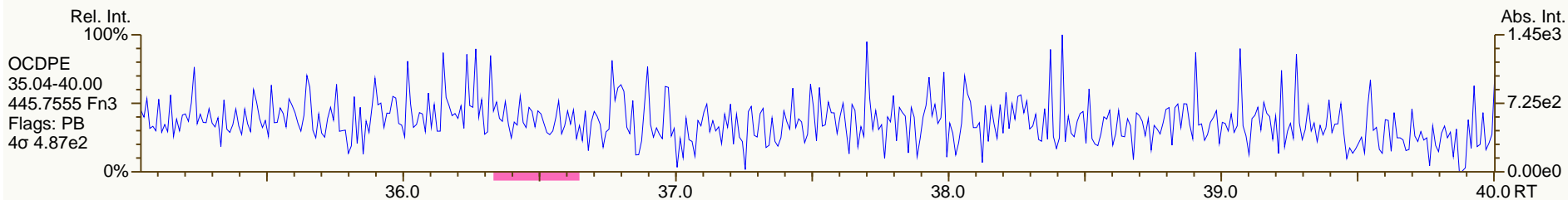
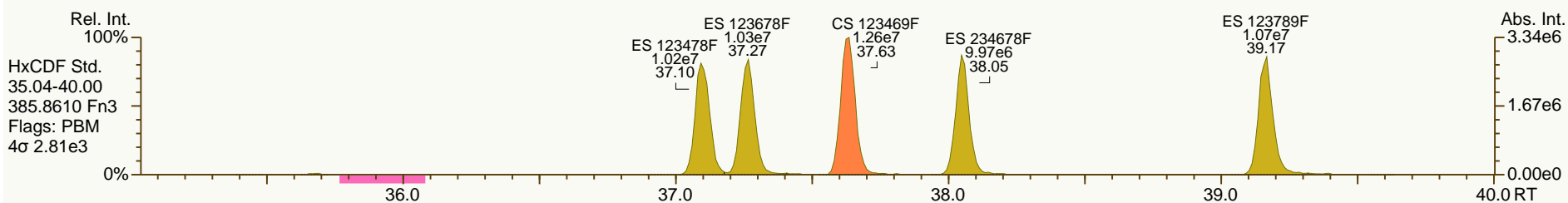
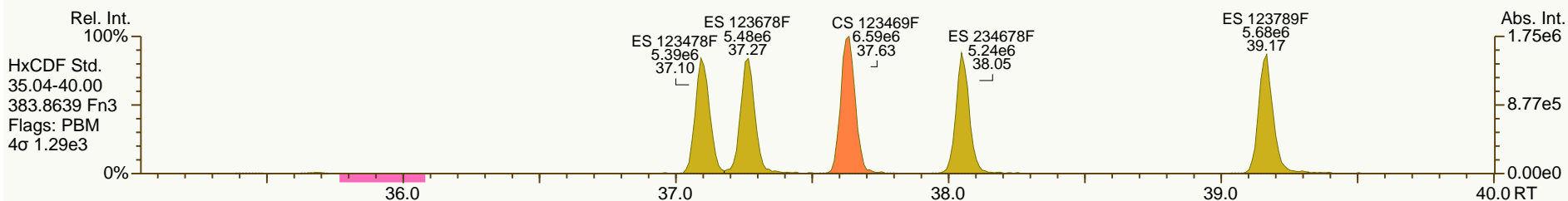
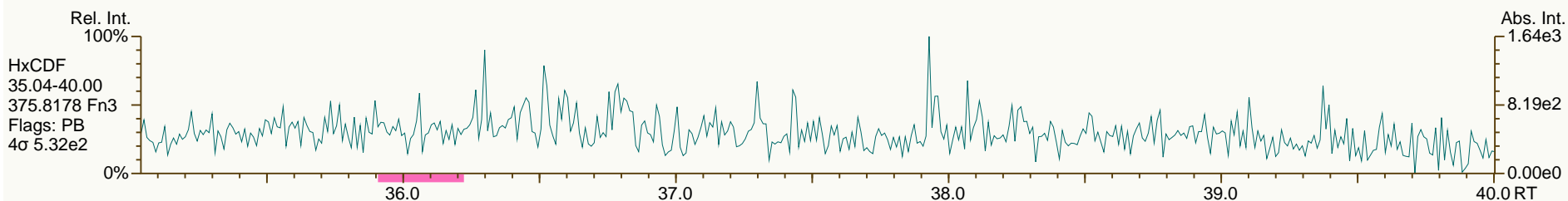
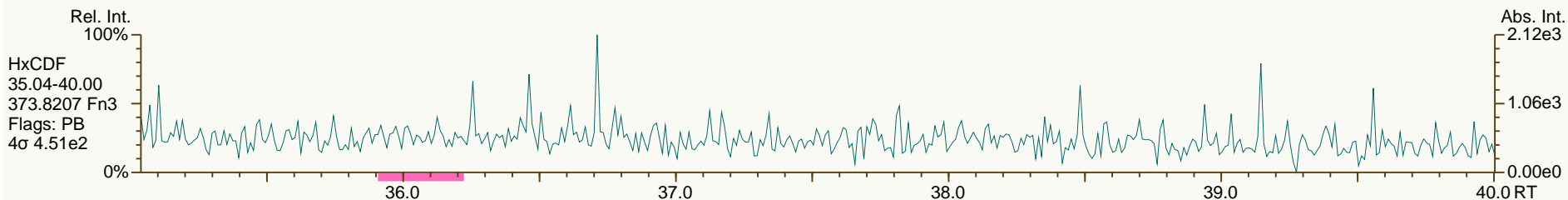
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

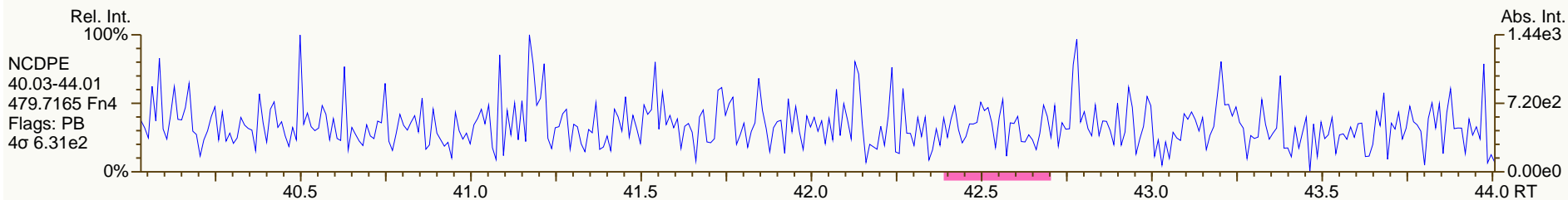
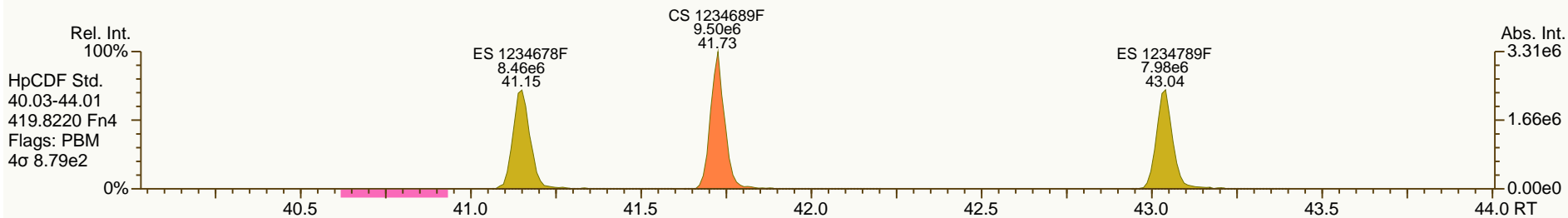
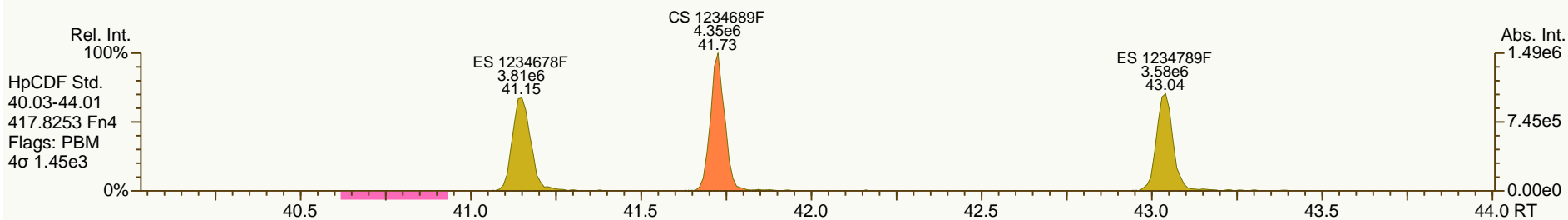
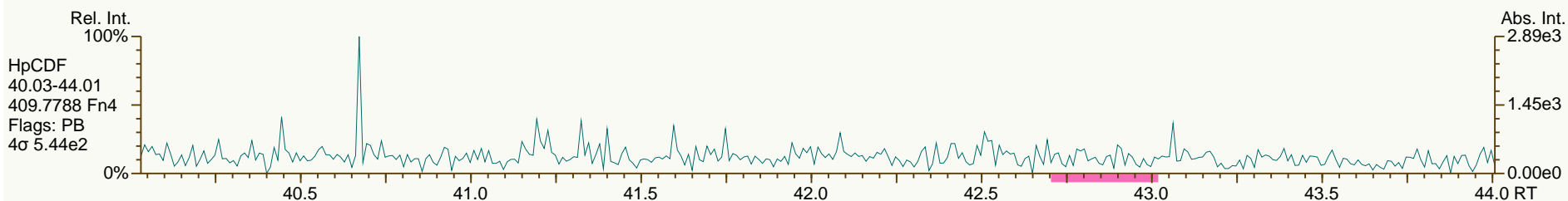
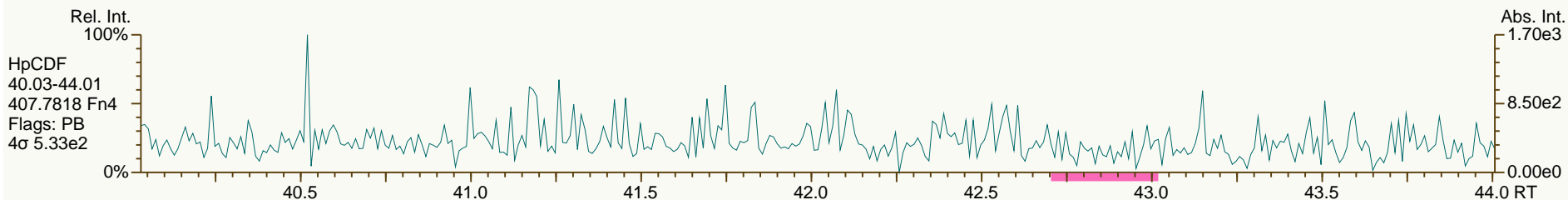
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

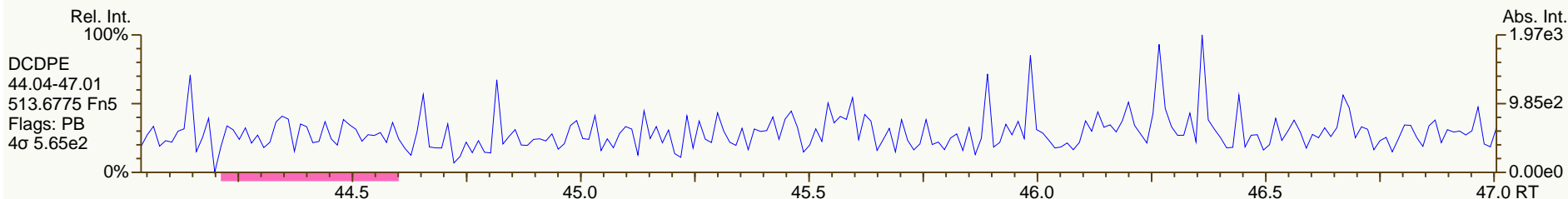
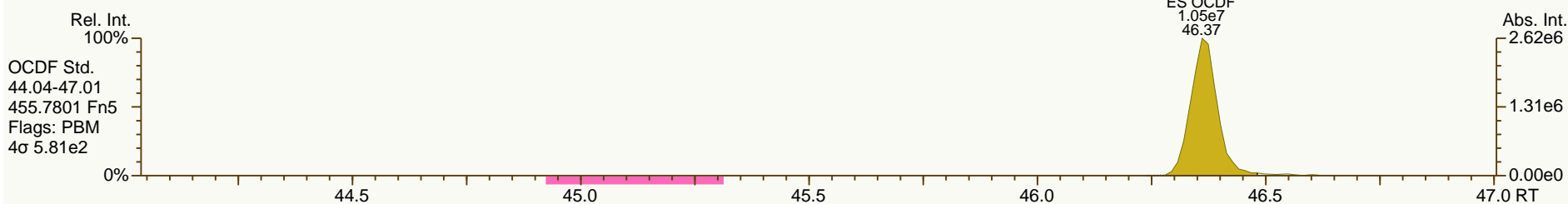
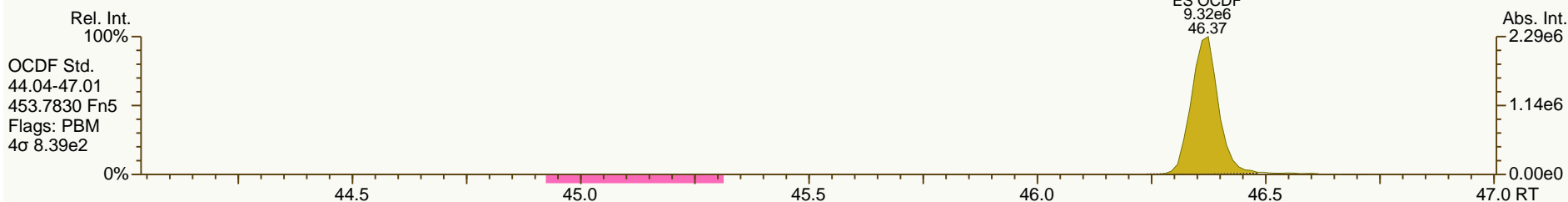
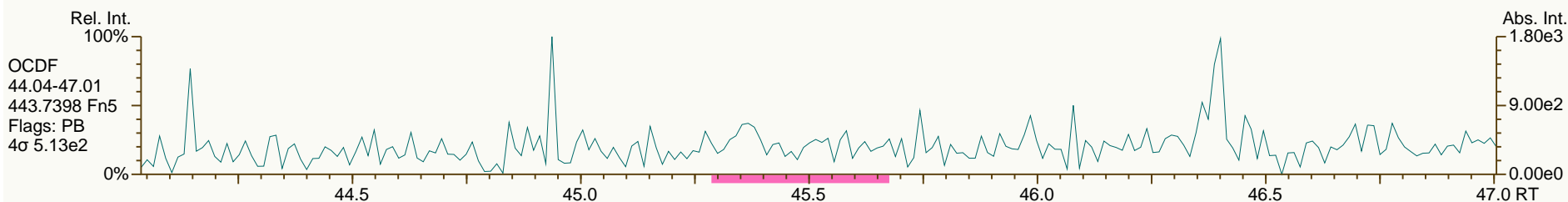
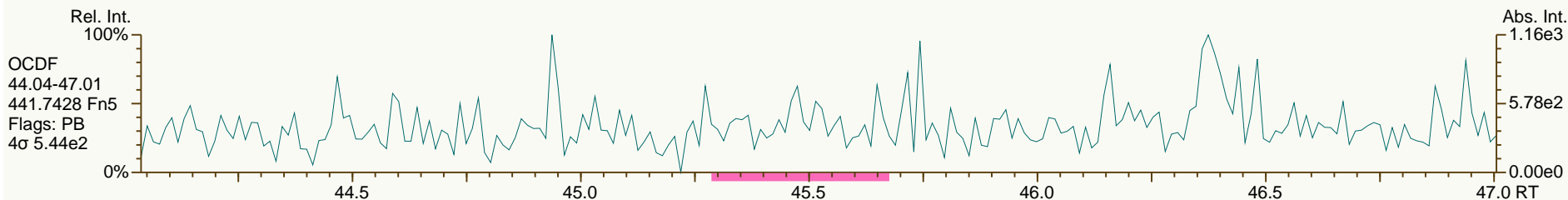
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SGS-AP ID: A5462_10924_DF_002
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SSFB-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 36

Acq: 19-MAY-2013 04:48:03
User: MDC Datafile: 130518P3-08



SGS Analytical Perspectives — Run Log

Project: A5462_10924_PCB

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130519X01	4	CS3_130519_PCB_XA	1.00	SIL 13-18-1	LKB	160-831	18-May-2013	15:05:17
2	130519X02	20	OPR1_10924_PCB	1.00	0_10924_OPR001	LKB	643-959	18-May-2013	16:01:52
3	130519X03	2	SBS_130519_PCB_XA	1.00	SIL 9-41-1	LKB	765-228	18-May-2013	16:55:03
4	130519X04	21	MB1_10924_PCB_TLX	1.00	Method Blank A5462	LKB	228-058	18-May-2013	17:50:04
7	130519X07	24	A5462_10924_PCB_001	0.99	JW-SSRB-130429	LKB	623-716	18-May-2013	20:35:05
8	130519X08	25	A5462_10924_PCB_002	0.98	JW-SSFB-130429	LKB	232-755	18-May-2013	21:30:05



= manual calculation

REVIEWED*By Laura Boivin at 3:08 pm, May 21, 2013***APPROVED***By Amy Boehm at 4:33 pm, May 22, 2013*

Lab ID: MB1_10924_PCB_TLX

ACQ: 18-May-2013 17:50:04 LKB Wt/Vol: 1.00 L

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: Method Blank A5462

UTP: 21-May-2013 12:26 LKB

J-level: 10 pg/L Split: 1

Checkcode: 228-058-PWW

Datafile: 130519X04

RPT: 21-May-2013 14:47 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	2.37E+03	1.03
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	2.37E+03	1.1
PCB-105 233'44'-PeCB	34.74	J	1.0007	1.0007	0	3.00E+04	0.57	1.09	1.52	1.47E+03	0.772
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.47E+03	0.715
PCB-118 23'44'5'-PeCB	33.74	J EMPC	1.0007	1.0005	-0.4	2.80E+04	0.45	1.11	1.35	1.47E+03	0.729
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.47E+03	0.707
PCB-126 33'44'5'-PeCB	37.34	J	1.0005	1.0005	0	2.69E+04	0.54	1.06	1.56	1.55E+03	0.953
PCB-156/157 ...-HxCB	39.89	J C	1.0005	1.0005	0	2.35E+04	1.10	1.11	1.25	1.14E+03	0.842
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.14E+03	0.591
PCB-169 33'44'55'-HxCB	42.59	J EMPC	1.0005	1.0003	-0.5	2.01E+04	0.75	1.11	3.46	1.14E+03	2.11
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	9.29E+02	0.562
PCB-209 DeCB	49.71	J	1.0004	1.0004	0	1.44E+04	1.17	1.07	1.25	6.81E+02	0.641
ES PCB-1	11.25		0.7215	0.7215	0	3.69E+07	3.08	1.08	69.8 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	4.06E+07	3.11	1.08	76.7 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.18E+07	1.62	0.49	91.4 %	25%	150%
ES PCB-15	19.22		1.2321	1.2327	+0.7	4.89E+07	1.59	1.11	90 %	25%	150%
ES PCB-19	16.66		1.0682	1.0689	+0.7	2.26E+07	1.05	0.55	83.3 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.68E+07	1.08	1.64	84.8 %	25%	150%
ES PCB-54	19.50		0.8282	0.8278	-0.5	1.99E+07	0.78	0.94	62.7 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.32E+07	0.80	1.35	95 %	25%	150%
ES PCB-81	31.27		1.3265	1.3277	+2.3	4.06E+07	0.81	1.29	93.4 %	25%	150%
ES PCB-104	24.41		0.8280	0.8275	-0.7	2.07E+07	1.61	0.99	64.7 %	25%	150%
ES PCB-105	34.72		1.1764	1.1769	+1.0	3.62E+07	1.58	1.23	91.1 %	25%	150%
ES PCB-114	34.18		1.1583	1.1587	+0.8	3.63E+07	1.56	1.25	90.3 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.75E+07	1.58	1.28	90.9 %	25%	150%
ES PCB-123	33.44		1.1334	1.1338	+0.8	3.50E+07	1.58	1.22	89.2 %	25%	150%
ES PCB-126	37.32		1.2644	1.2652	+1.8	3.25E+07	1.55	1.20	84.2 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.59E+07	1.29	1.14	90.2 %	25%	150%
ES PCB-155	29.34		0.8073	0.8068	-0.9	3.10E+07	1.27	1.50	82 %	25%	150%
ES PCB-156/157	39.87		1.0961	1.0964	+0.7	6.79E+07	1.28	1.45	92.2 %	25%	150%
ES PCB-167	38.90		1.0695	1.0697	+0.5	3.56E+07	1.29	1.49	94.1 %	25%	150%
ES PCB-169	42.58		1.1704	1.1709	+1.3	1.05E+07	1.25	1.40	29.4 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.11E+07	1.10	1.00	87.8 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.52E+07	1.10	1.16	90.7 %	25%	150%
ES PCB-188	34.19		0.7363	0.7358	-1.0	1.93E+07	1.08	1.18	64.8 %	25%	150%
ES PCB-189	44.70		0.9621	0.9620	-0.3	3.28E+07	1.05	1.49	91.9 %	25%	150%
ES PCB-202	38.71		0.8334	0.8330	-0.9	2.16E+07	0.92	1.14	75.1 %	25%	150%
ES PCB-205	46.87		1.0085	1.0085	0	2.42E+07	0.91	1.20	83.7 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.33		1.0399	1.0400	+0.3	1.80E+07	0.79	0.87	86.2 %	25%	150%
ES PCB-208	44.33		0.9540	0.9539	-0.3	2.69E+07	0.80	1.19	94.3 %	25%	150%
ES PCB-209	49.69		1.0691	1.0692	+0.3	2.14E+07	1.20	1.00	89 %	25%	150%
SS PCB-28	21.95		0.9320	0.9318	-0.3	4.77E+07	1.07	1.07	94.9 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.83E+07	1.57	1.01	109 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.10	0.63	106 %	30%	135%
CS PCB-28	21.95		0.9320	0.9318	-0.3	4.77E+07	1.07	1.76	80.5 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.83E+07	1.57	1.23	97.1 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.10	0.74	68.8 %	30%	135%
JS PCB-9	15.59					4.89E+07	1.59				
JS PCB-52	23.55					3.37E+07	0.79				
JS PCB-101	29.50					3.22E+07	1.58				
JS PCB-138	36.36					2.53E+07	1.30				
JS PCB-194	46.47					2.40E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.71		
						Di-CBs	19.3	19.3	1.79		
						Tri-CBs	4.41	4.41	1.74		
						Tetra-CBs	3.95	4.99	0.951		
						Penta-CBs	6.22	9.35	0.776		
						Hexa-CBs	5.17	10.7	1.05		
						Hepta-CBs	0	1.38	0.716		
						Octa-CBs	0	0	0.647		
						Nona-CBs	0	0	2.13		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.32E+03	1.63
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.32E+03	1.77
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.32E+03	1.79
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	3.29E+03	1.92
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	3.29E+03	1.24
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	4.80E+03	2.07
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	4.80E+03	1.82
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	4.80E+03	1.93
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	4.80E+03	1.94
PCB-8 24'-DiCB	NotFnd		1.0513	-		0.00E+00	0.95		ND	4.80E+03	1.89
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	4.80E+03	1.61
PCB-11 33'-DiCB	18.68	B	0.9716	0.9718	+0.2	4.55E+05	1.49	0.96	19.3	4.80E+03	1.86
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	4.80E+03	1.85
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	4.80E+03	1.66

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.42E+03	2.42
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1043	-		0.00E+00		1.46	ND	3.42E+03	1.82
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.42E+03	2.12
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.42E+03	1.59
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.42E+03	1.64
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.42E+03	2.75
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.42E+03	1.49
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	2.68E+03	1.07
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	2.68E+03	1.06
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	2.68E+03	1.04
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	2.68E+03	1.04
PCB-31 24'5-TrCB	21.70	J	0.8529	0.8524	-0.7	4.68E+04	0.95	1.16	1.72	2.68E+03	0.998
PCB-28/20 244'/233'-TrCB	21.97	J C	0.8638	0.8630	-1.1	6.90E+04	0.90	1.10	2.69	2.68E+03	1.06
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	2.68E+03	1.02
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	2.68E+03	1.1
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	2.68E+03	1
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	2.68E+03	0.962
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	2.68E+03	1.06
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	2.68E+03	1.09
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	2.68E+03	1.05
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	1.32E+03	1.05
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.24E+03	0.779
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.24E+03	0.965
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.24E+03	0.731
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.24E+03	0.969
PCB-52 22'55'-TeCB	23.57	J	1.0009	1.0007	-0.3	2.94E+04	0.68	0.80	1.8	1.24E+03	0.805
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.24E+03	0.607
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.24E+03	0.936
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0186	-		0.00E+00		0.98	ND	1.24E+03	0.659
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.24E+03	0.786
PCB-44/47/65 ...-TeCB	24.46	J EMPC C	1.0393	1.0386	-1.0	1.83E+04	0.54	0.87	1.04	1.24E+03	0.743
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.24E+03	0.583
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.24E+03	0.841
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.24E+03	0.902
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.24E+03	0.781
PCB-64 234'6-TeCB	NotFnd		1.0839	-		0.00E+00		1.19	ND	1.24E+03	0.543
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	2.37E+03	1.06
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	2.37E+03	1
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	2.37E+03	1.12
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	2.37E+03	1.09
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	2.37E+03	1.05
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	2.37E+03	0.988
PCB-61/70/74/76 ...-TeCB	27.76	J C	0.8876	0.8878	+0.3	4.96E+04	0.80	1.14	2.15	2.37E+03	1.08
PCB-66 23'44'-TeCB	NotFnd		0.8964	-		0.00E+00		1.08	ND	2.37E+03	1.15
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	2.37E+03	1.13

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	2.37E+03	1.16
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	2.37E+03	1.12
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	2.37E+03	0.966
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	2.37E+03	0.976
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	2.37E+03	1.16
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	1.04E+03	0.779
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	1.04E+03	0.794
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.47E+03	0.885
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.47E+03	1.02
PCB-95 22'35'6'-PeCB	NotFnd		0.9151	-		0.00E+00		0.88	ND	1.47E+03	0.956
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.47E+03	0.964
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.47E+03	0.838
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.47E+03	1.05
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.47E+03	1.06
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.47E+03	0.866
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.47E+03	1.13
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.47E+03	1.05
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.47E+03	0.692
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.47E+03	0.984
PCB-113/90/101 ...-PeCB	29.52	J EMPC C	0.9999	1.0006	+1.2	3.13E+04	0.52	1.01	1.78	1.47E+03	0.837
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.47E+03	1.14
PCB-99 22'44'5'-PeCB	NotFnd		1.0178	-		0.00E+00		1.02	ND	1.47E+03	0.826
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.47E+03	0.745
PCB-108/119/86/97/125...-PeCB	30.50	J C	1.0327	1.0339	+2.2	2.72E+04	0.56	1.02	1.53	1.47E+03	0.826
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.47E+03	0.713
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.47E+03	0.873
PCB-110 233'4'6'-PeCB	31.20	J	1.0575	1.0578	+0.6	3.41E+04	0.56	1.20	1.62	1.47E+03	0.699
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.47E+03	0.735
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.47E+03	1.15
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.47E+03	0.671
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.47E+03	0.673
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.47E+03	0.729
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.47E+03	0.659
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.47E+03	0.749
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.47E+03	0.782
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.47E+03	0.718
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	1.13E+03	0.667
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	1.13E+03	0.638
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	1.13E+03	0.627
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	1.13E+03	0.676
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	1.13E+03	0.661
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	1.13E+03	0.828
PCB-151/135 ...-HxCB	NotFnd	C	1.0907	-		0.00E+00		1.06	ND	1.13E+03	0.856
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	1.13E+03	0.744
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	1.13E+03	0.836

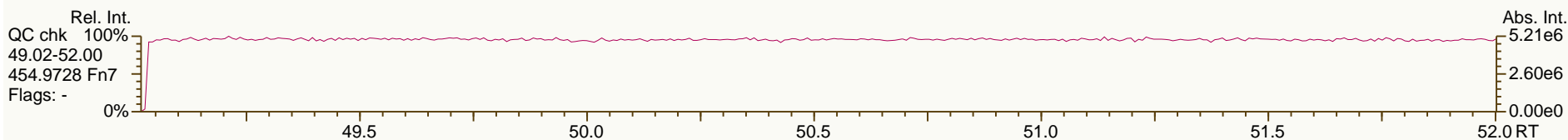
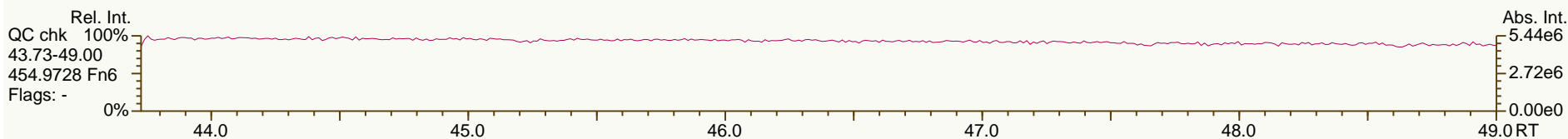
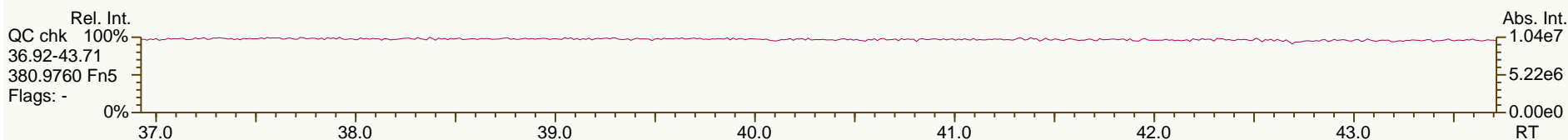
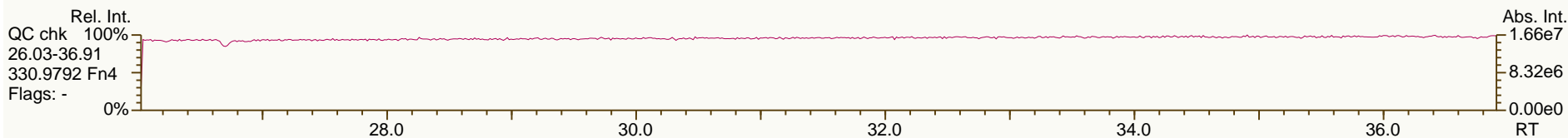
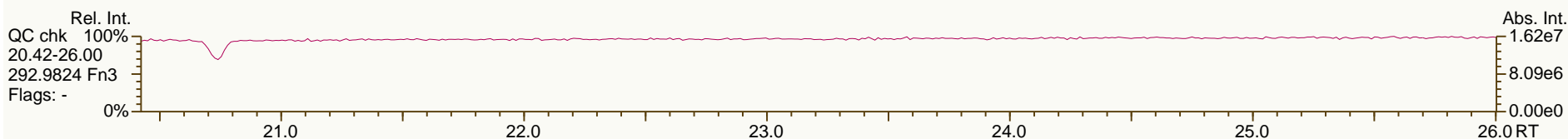
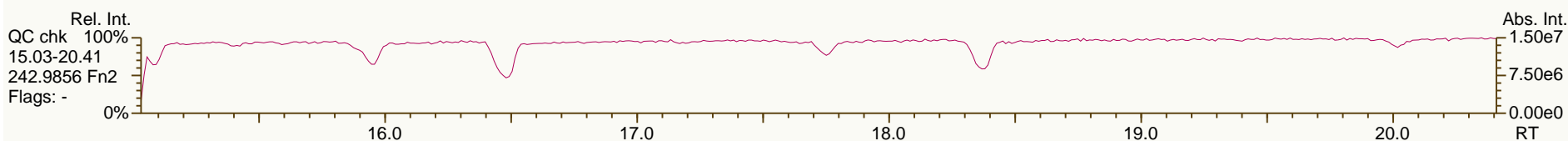
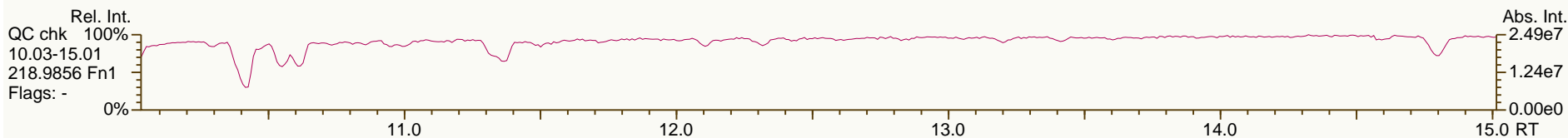
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	32.78	J C	1.1170	1.1175	+1.0	2.66E+04	1.08	1.09	1.88	1.13E+03	0.831
PCB-134 22'33'56"-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	1.13E+03	1.03
PCB-143 22'34'56"-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	1.13E+03	0.874
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	1.13E+03	0.816
PCB-131 22'33'46"-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	1.13E+03	0.943
PCB-142 22'34'56"-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	1.13E+03	0.969
PCB-132 22'33'46"-HxCB	NotFnd		1.1529	-		0.00E+00		0.99	ND	1.13E+03	0.919
PCB-133 22'33'55"-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	1.13E+03	0.874
PCB-165 233'55'6"-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	1.13E+03	0.709
PCB-146 22'34'55"-HxCB	NotFnd		0.9574	-		0.00E+00		1.12	ND	1.13E+03	0.808
PCB-161 233'45'6"-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	1.13E+03	0.634
PCB-153/168 ...-HxCB	35.33	J C	0.9724	0.9717	-1.5	3.23E+04	1.36	1.22	2.04	1.13E+03	0.743
PCB-141 22'34'55"-HxCB	NotFnd		0.9761	-		0.00E+00		1.05	ND	1.13E+03	0.864
PCB-130 22'33'45"-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	1.13E+03	0.97
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	1.13E+03	0.853
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9931	-		0.00E+00		1.45	ND	1.13E+03	0.624
PCB-163/138/129 ...-HxCB	36.38	J EMPC C	1.0011	1.0006	-1.1	2.98E+04	0.97	1.13	2.04	1.13E+03	0.804
PCB-160 233'456"-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	1.13E+03	0.674
PCB-158 233'44'6"-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	1.13E+03	0.613
PCB-128/166 ...-HxCB	NotFnd	C	0.9628	-		0.00E+00		0.87	ND	1.14E+03	0.768
PCB-159 233'455"-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.14E+03	0.646
PCB-162 233'4'55"-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.14E+03	0.642
PCB-188 22'34'566"-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	5.21E+02	0.558
PCB-179 22'33'566"-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	5.21E+02	0.524
PCB-184 22'344'66"-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	5.21E+02	0.532
PCB-176 22'33'466"-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	5.21E+02	0.479
PCB-186 22'34566"-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	5.21E+02	0.51
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	5.21E+02	0.699
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	1.07E+03	0.835
PCB-187 22'34'55'6"-HpCB	NotFnd		1.0977	-		0.00E+00		1.16	ND	1.07E+03	0.795
PCB-182 22'344'56"-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	1.07E+03	0.779
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	1.07E+03	0.718
PCB-185 22'3455'6"-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	1.07E+03	0.889
PCB-174 22'33'456"-HpCB	NotFnd		1.1184	-		0.00E+00		0.97	ND	1.07E+03	0.949
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1292	-		0.00E+00		0.97	ND	1.07E+03	0.951
PCB-181 22'344'56"-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	1.07E+03	0.834
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	1.07E+03	0.942
PCB-172 22'33'455"-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	1.07E+03	0.909
PCB-192 233'455'6"-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	1.07E+03	0.704
PCB-180/193 ...-HpCB	41.06	J EMPC C	0.9179	0.9184	+1.2	2.01E+04	0.83	1.16	1.38	1.07E+03	0.794
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	1.07E+03	0.67
PCB-170 22'33'44'5"-HpCB	NotFnd		0.9422	-		0.00E+00		1.07	ND	1.07E+03	1.01
PCB-190 233'44'56"-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	1.07E+03	0.705
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	6.55E+02	0.727
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	6.55E+02	0.585

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	6.55E+02	0.624
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	6.55E+02	0.595
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	6.55E+02	0.595
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	6.55E+02	0.855
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	6.55E+02	0.823
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	6.55E+02	0.795
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	7.13E+02	0.802
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	7.13E+02	0.768
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	7.13E+02	0.566
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	2.15E+03	1.63
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	2.15E+03	1.59
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	2.15E+03	2.62

SGS-AP ID: MB1_10924_PCB_TLX
Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

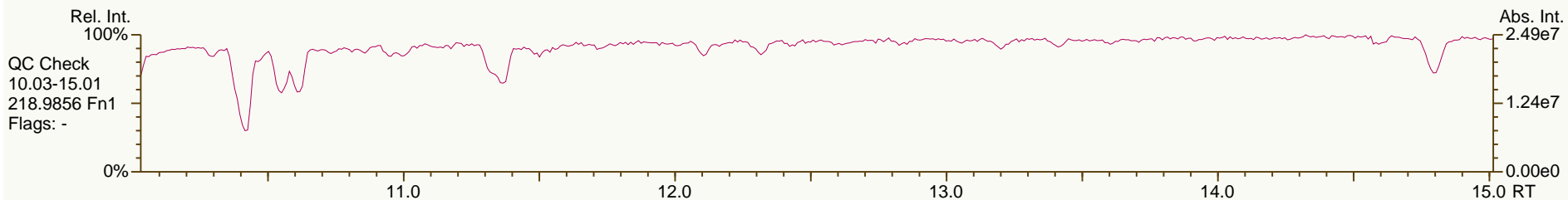
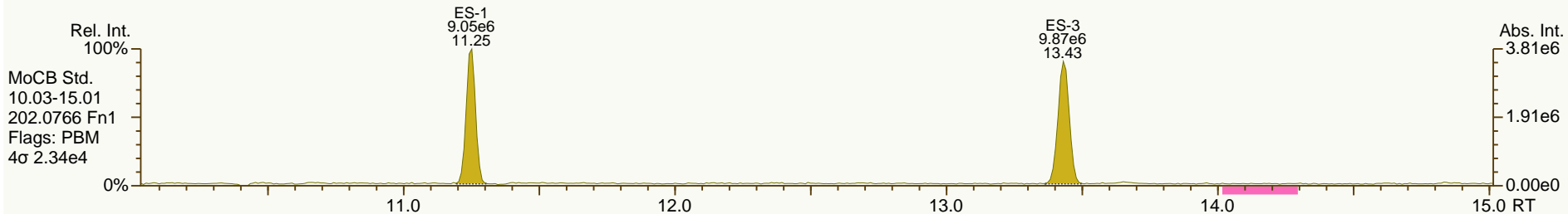
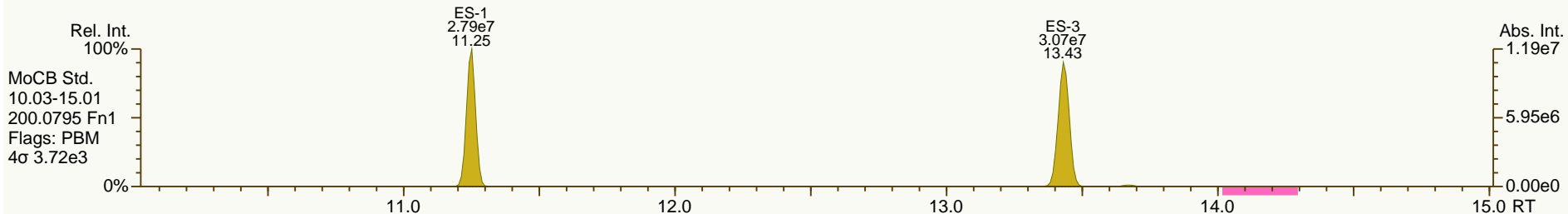
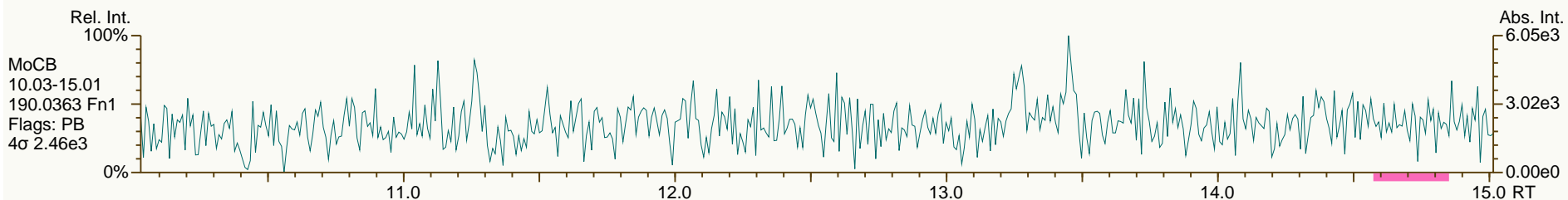
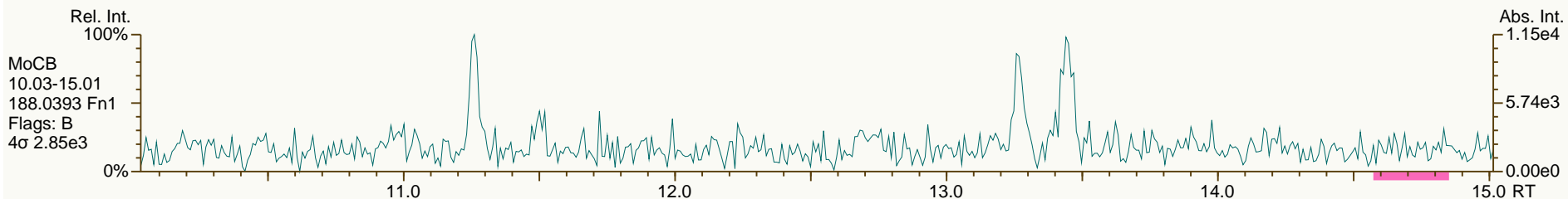
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SGS-AP ID: MB1_10924_PCB_TLX
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Sample ID: Method Blank A5462
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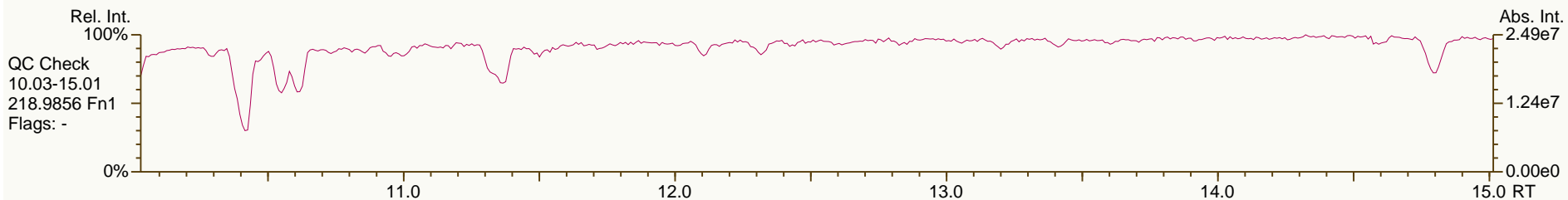
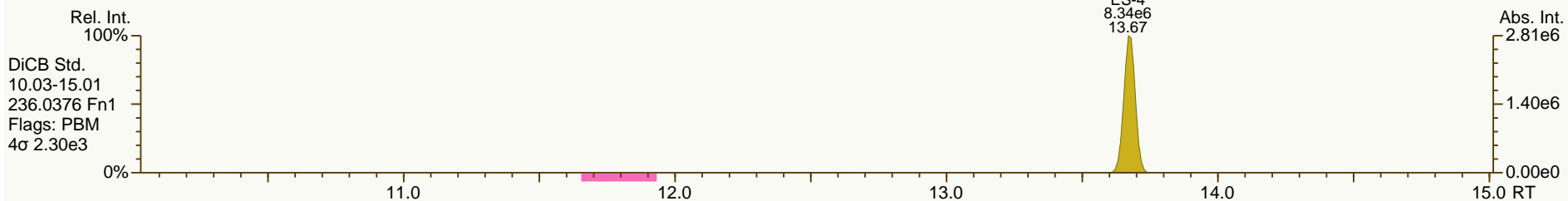
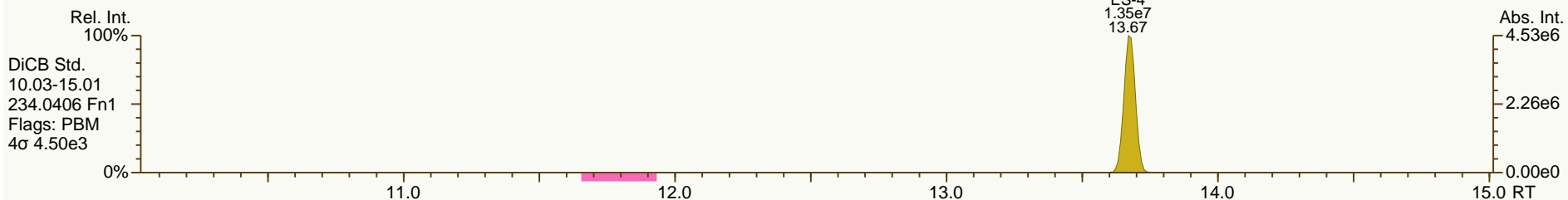
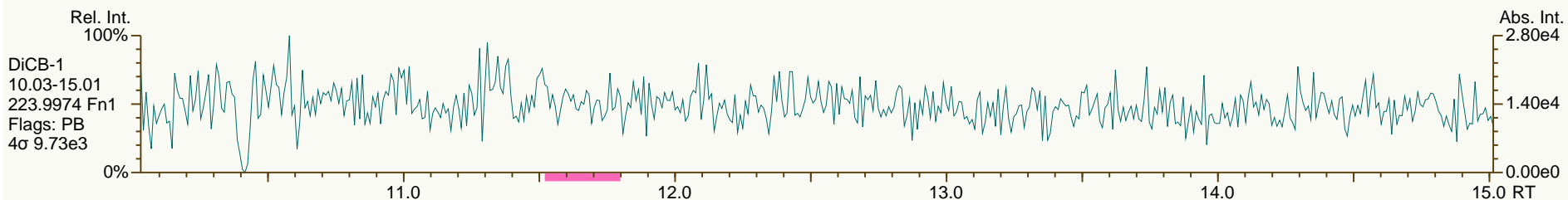
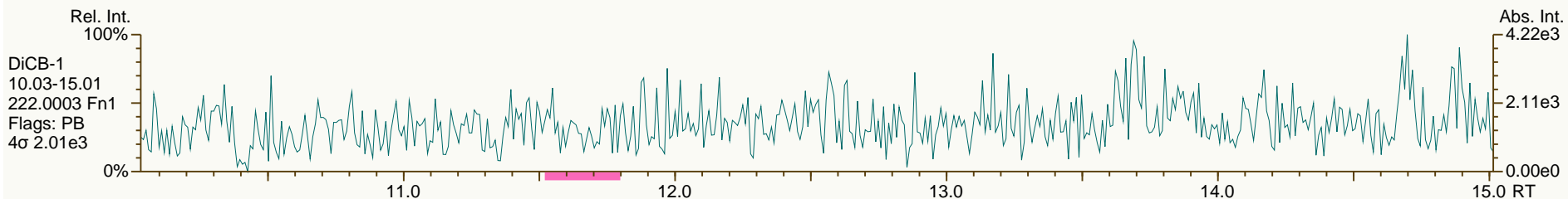
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Sample ID: Method Blank A5462
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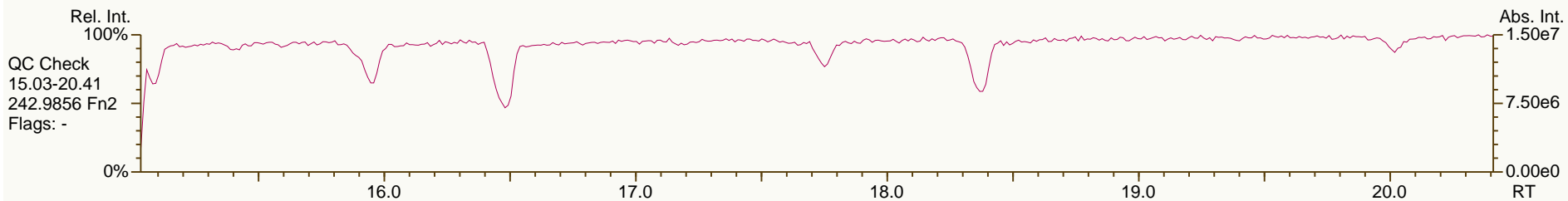
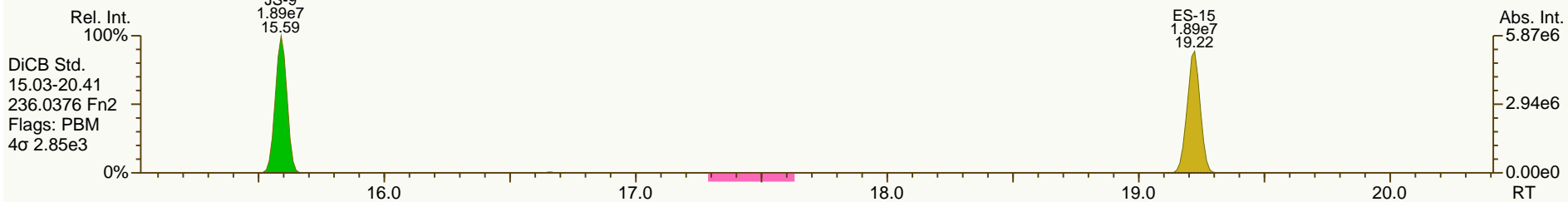
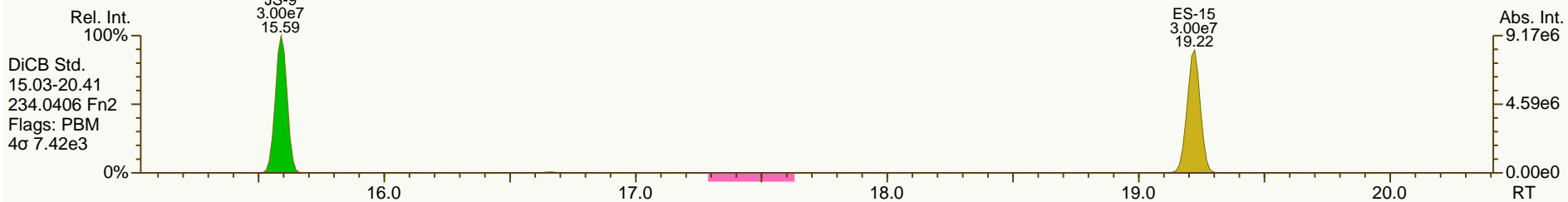
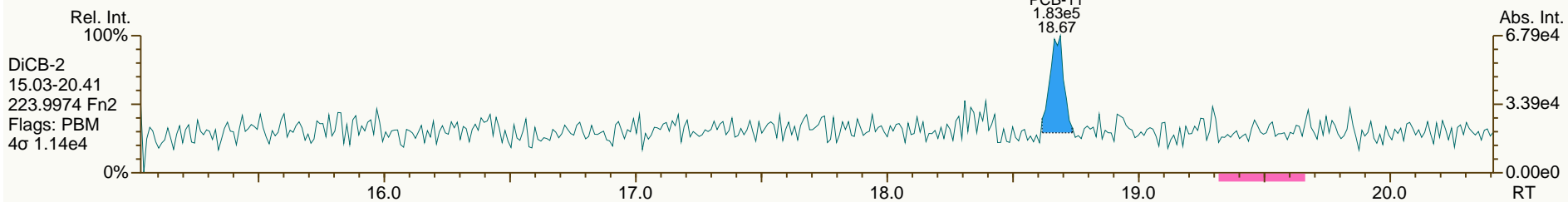
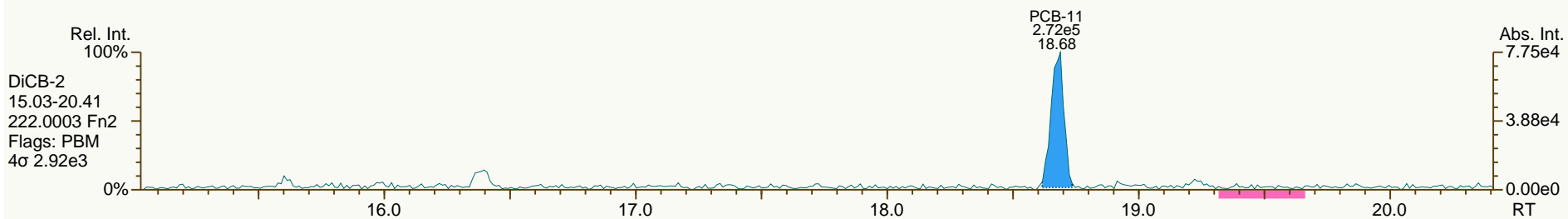
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Sample ID: Method Blank A5462
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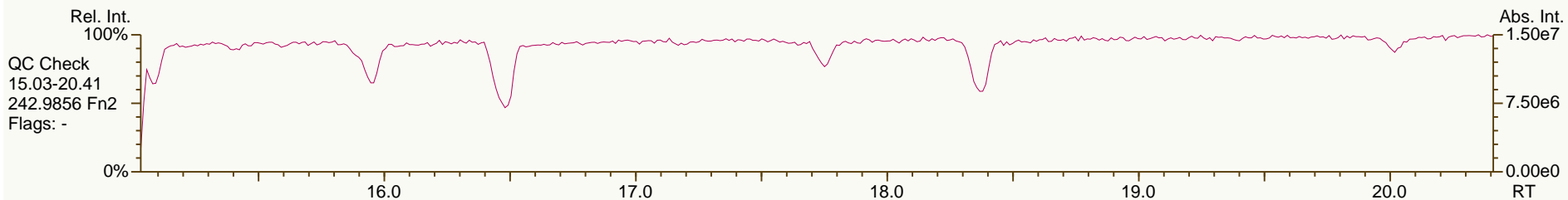
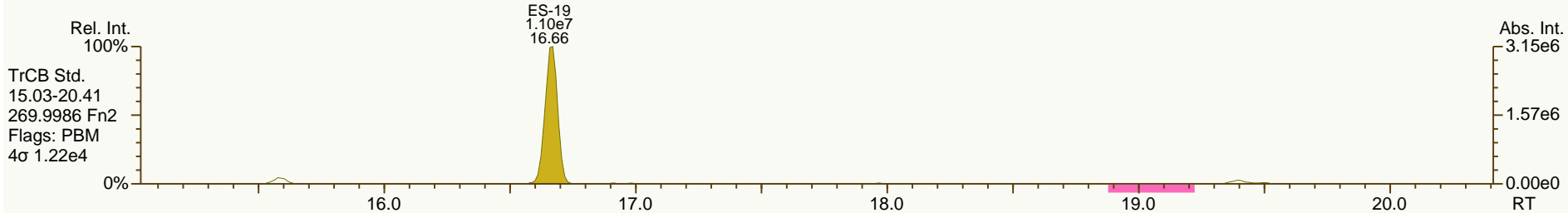
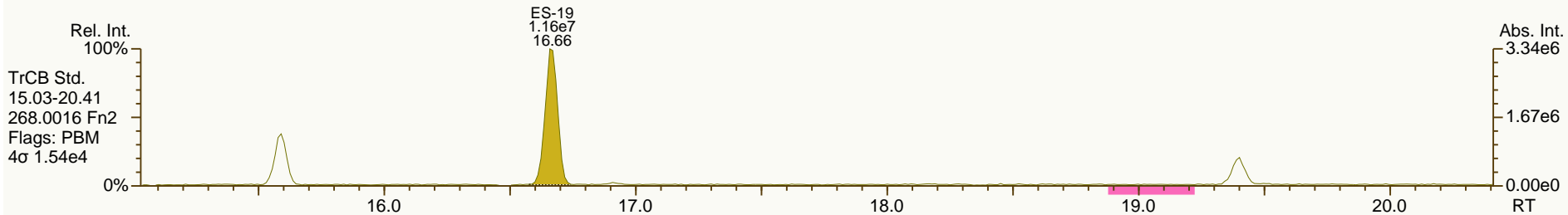
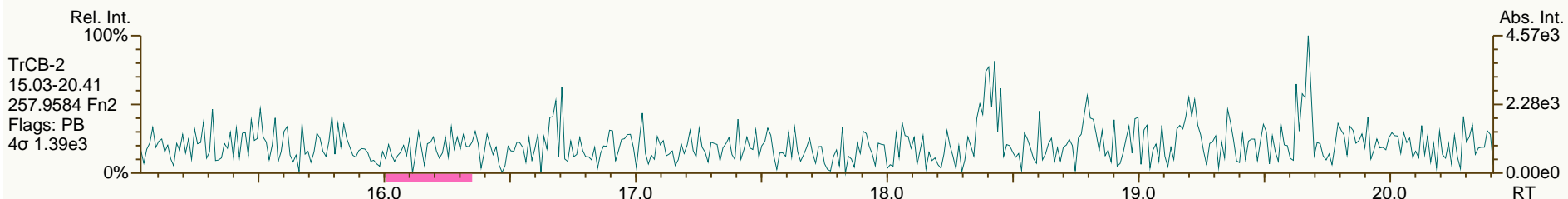
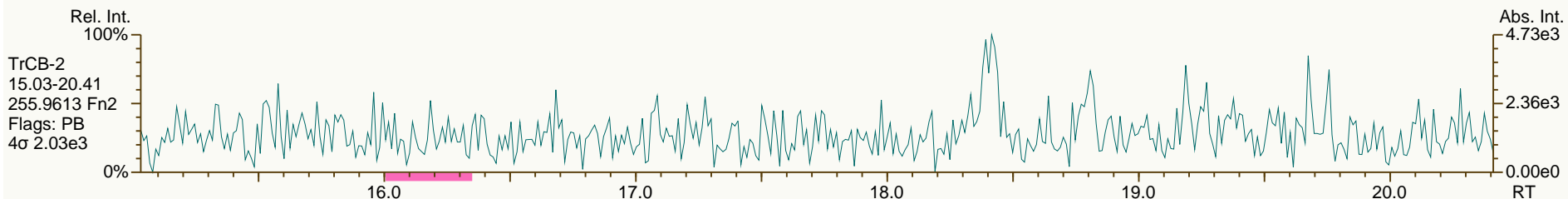
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Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

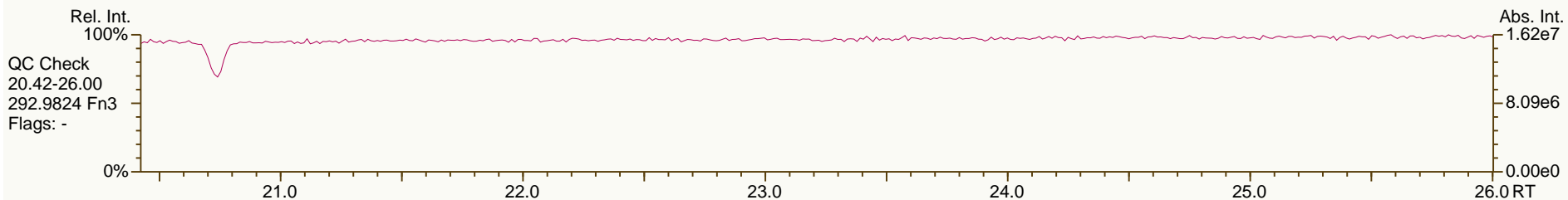
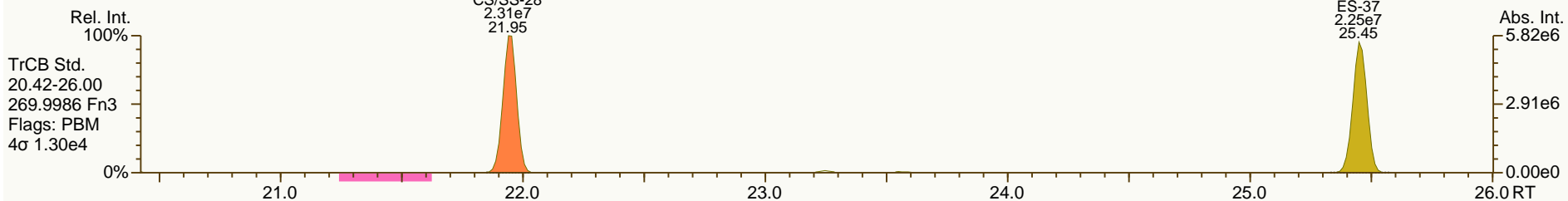
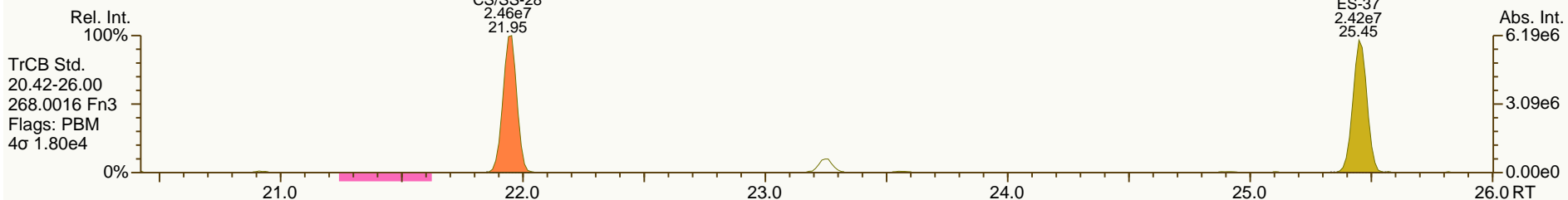
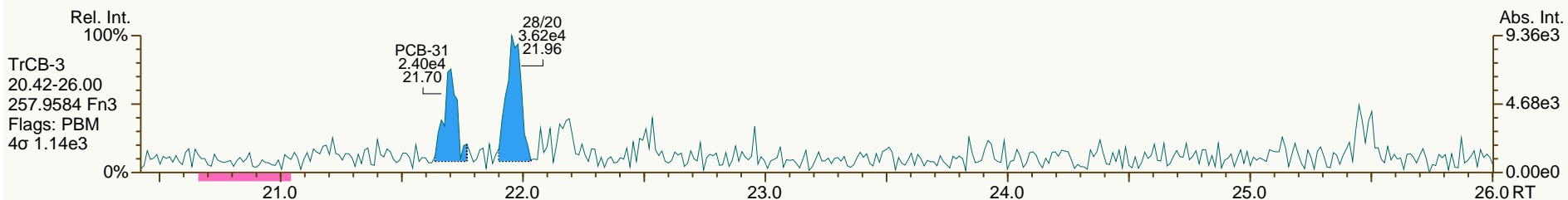
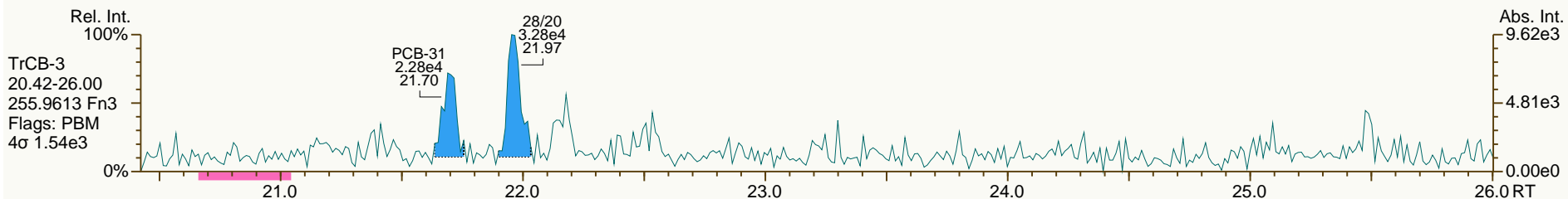
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Sample ID: Method Blank A5462
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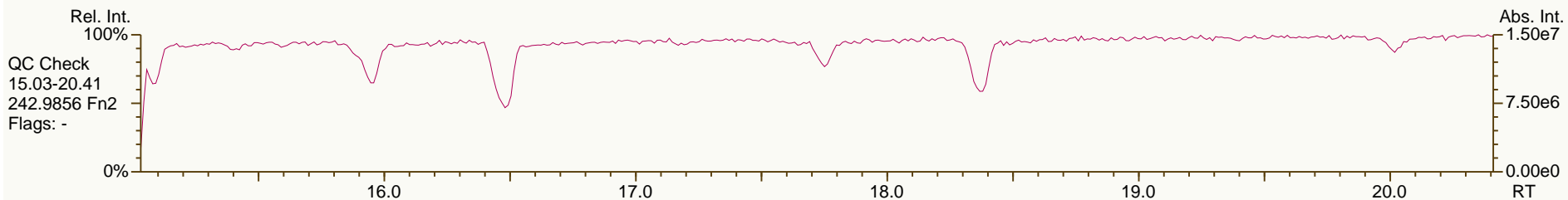
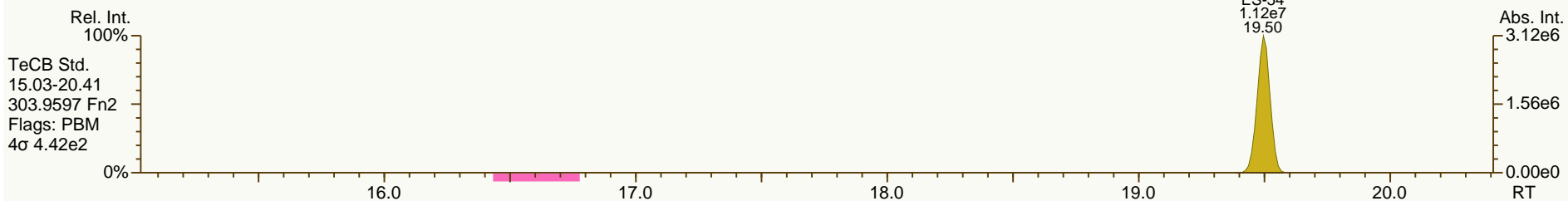
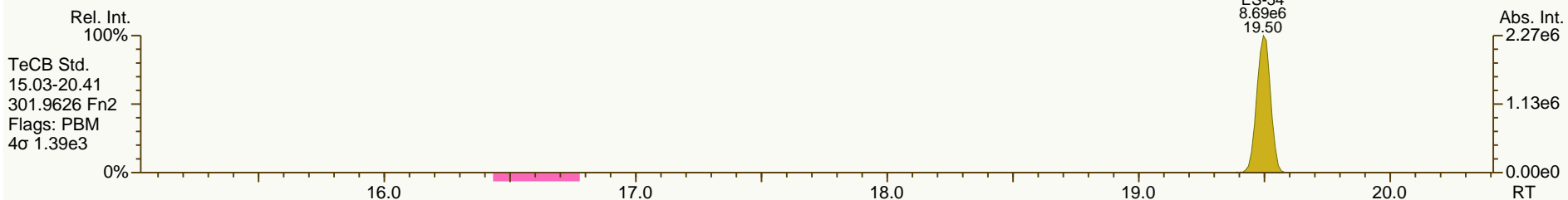
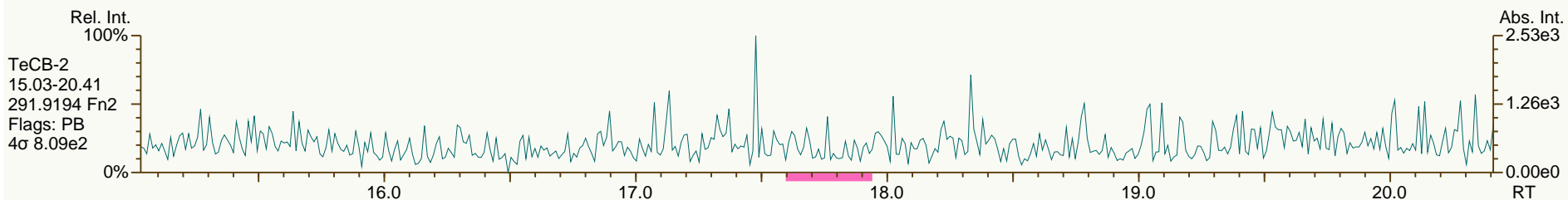
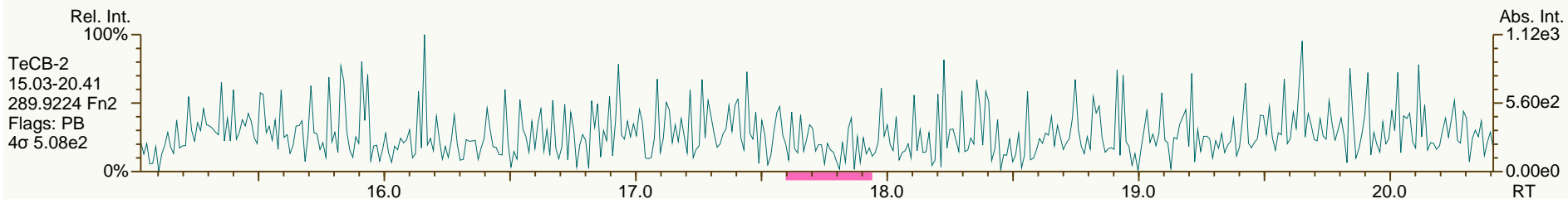
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Sample ID: Method Blank A5462
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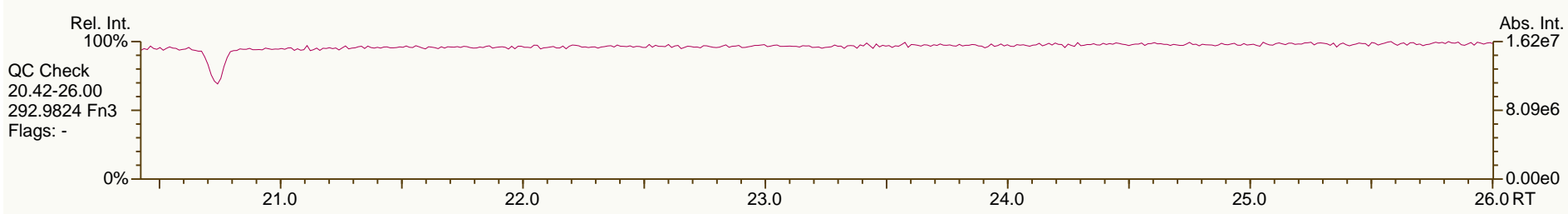
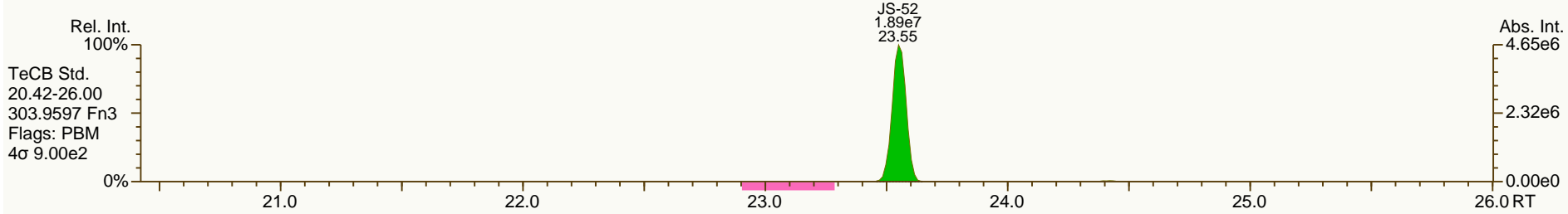
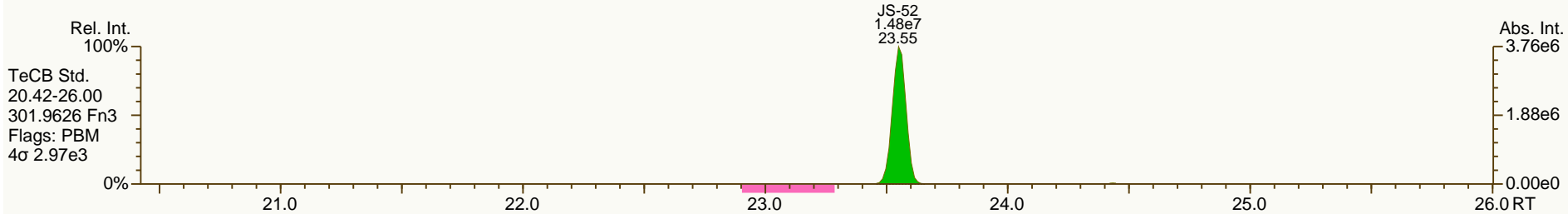
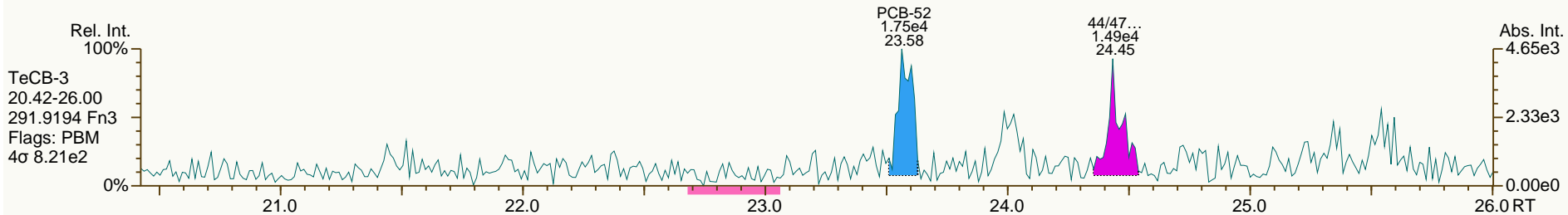
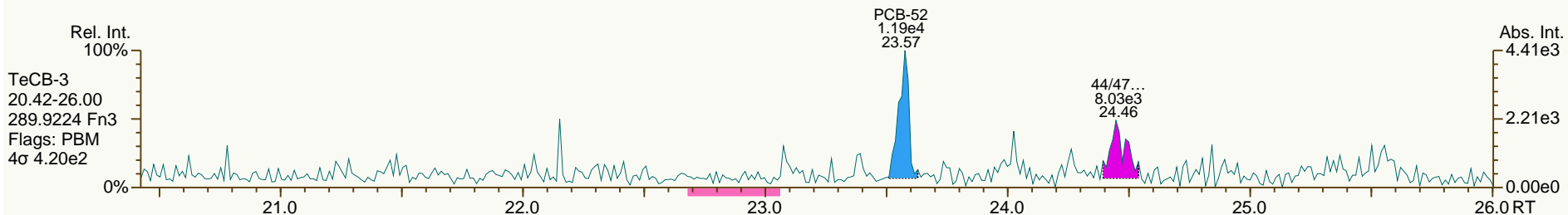
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Sample ID: Method Blank A5462
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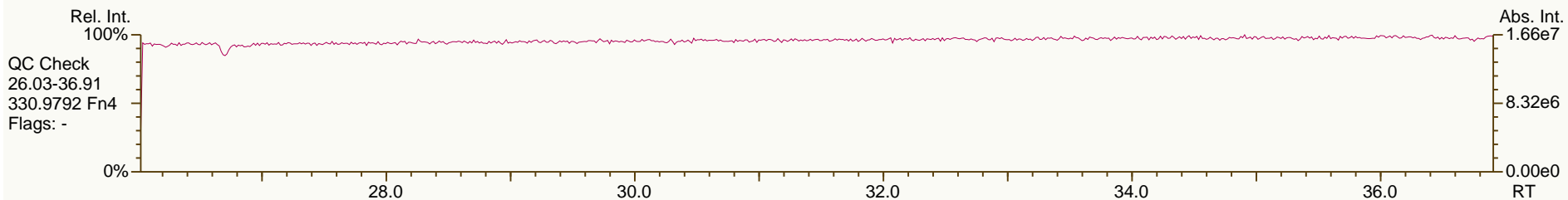
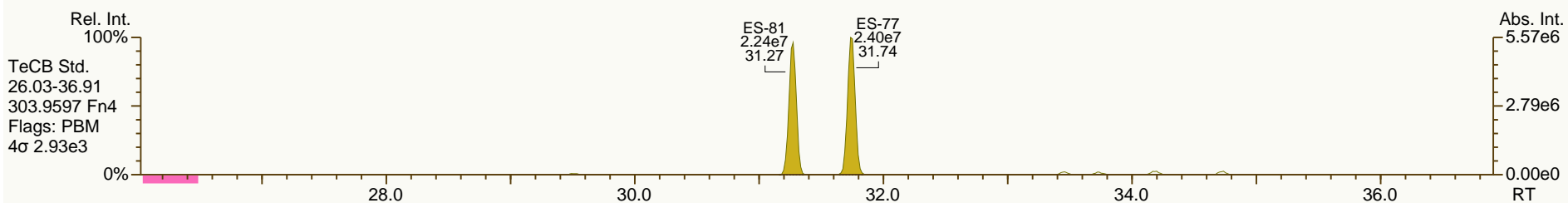
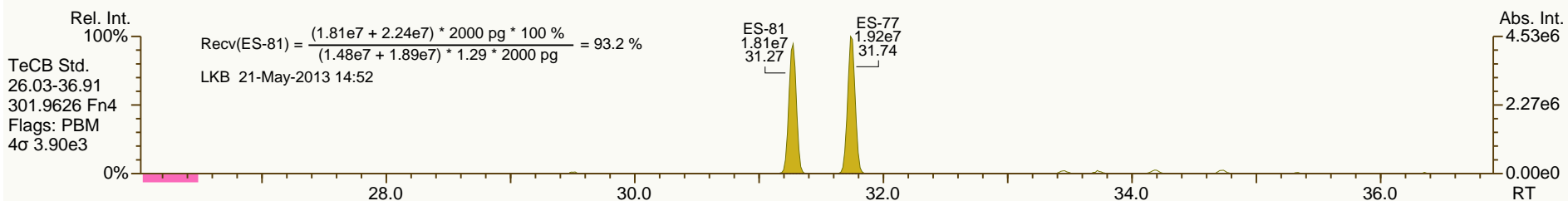
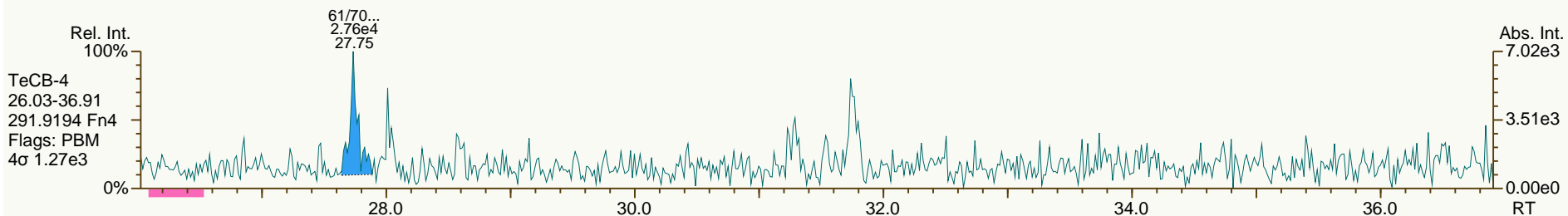
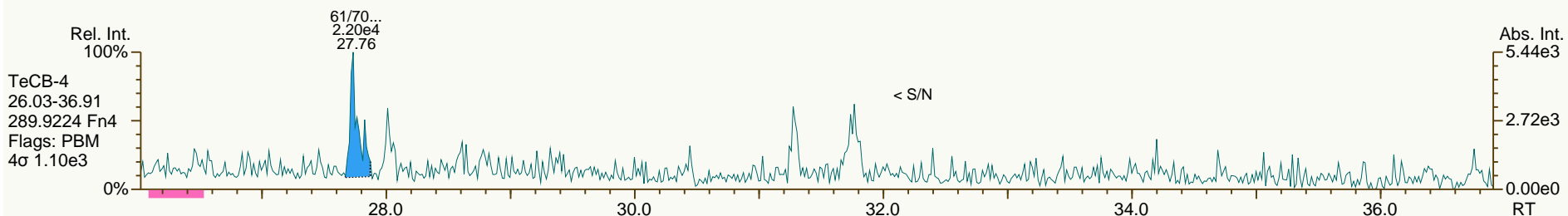
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Sample ID: Method Blank A5462
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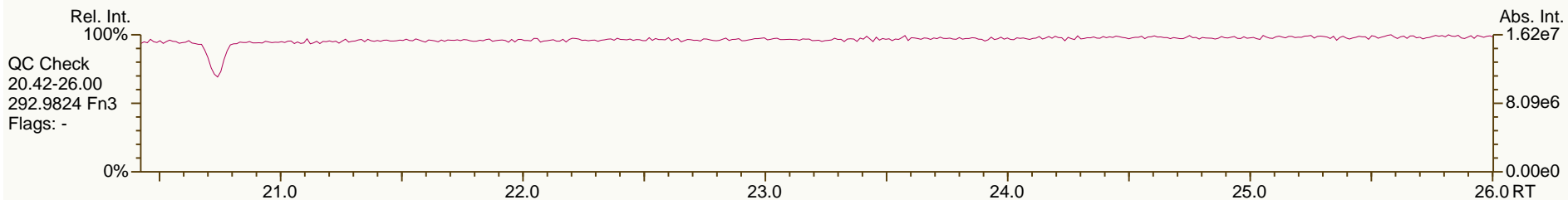
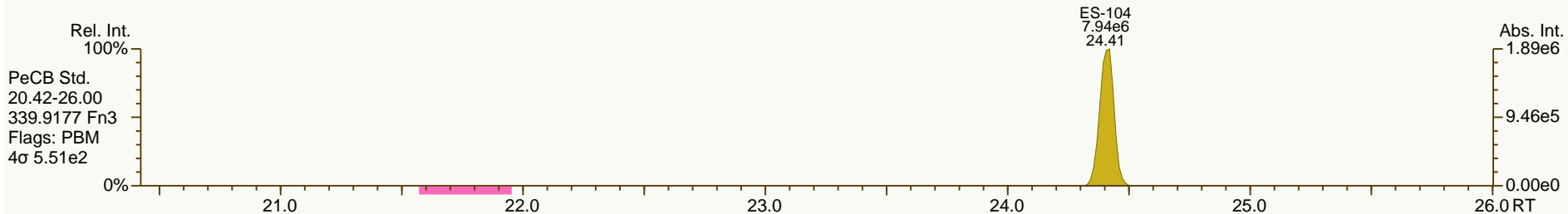
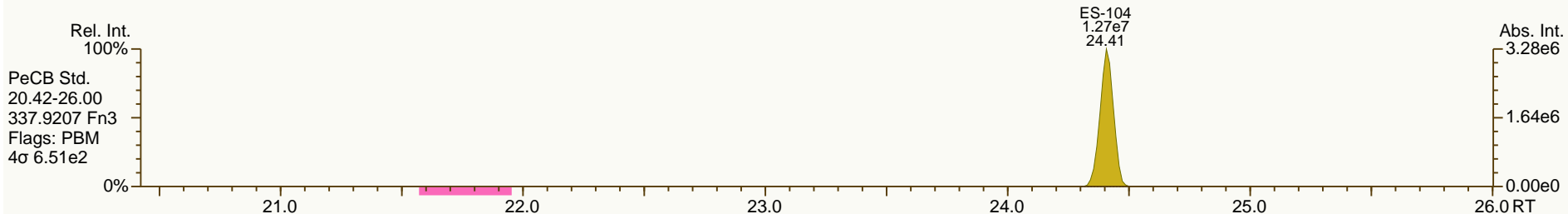
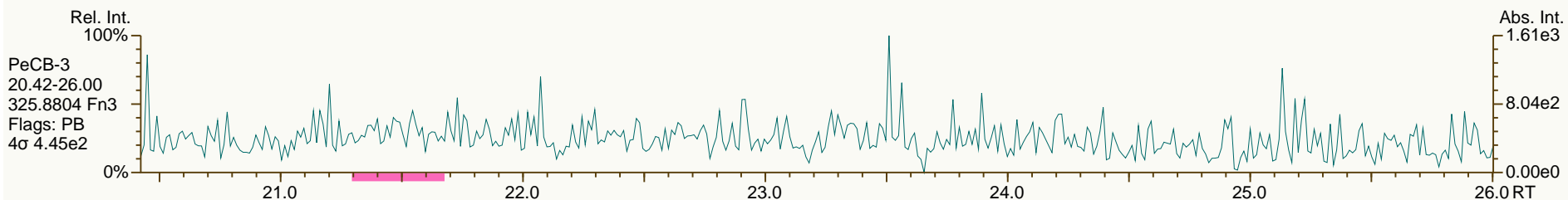
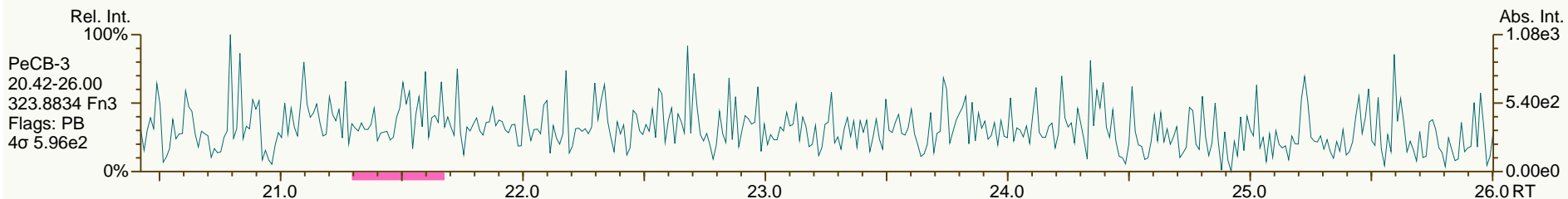
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Sample ID: Method Blank A5462
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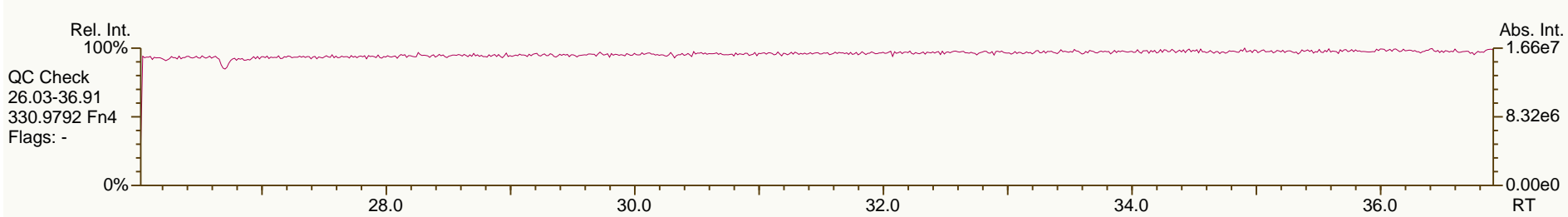
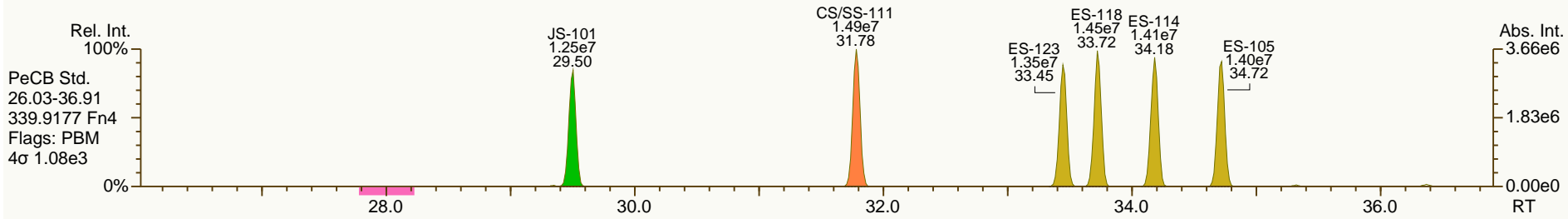
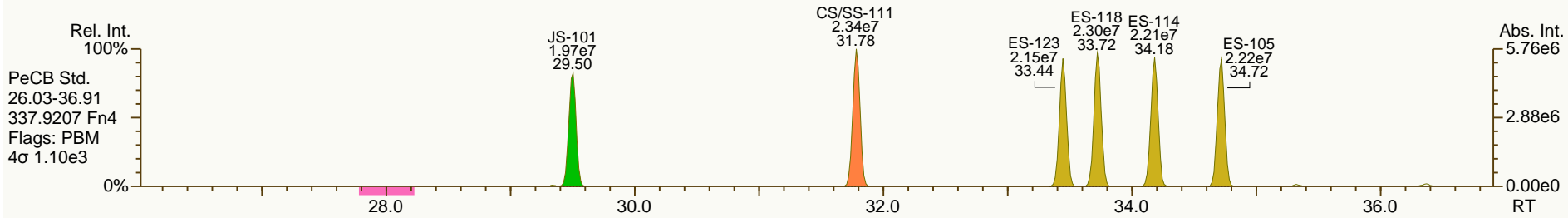
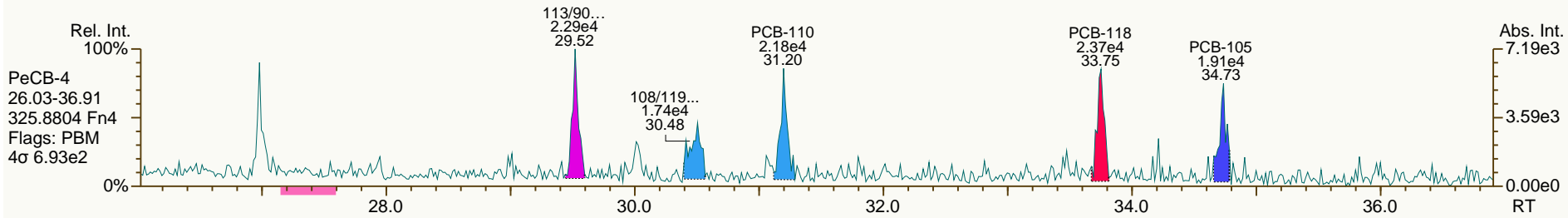
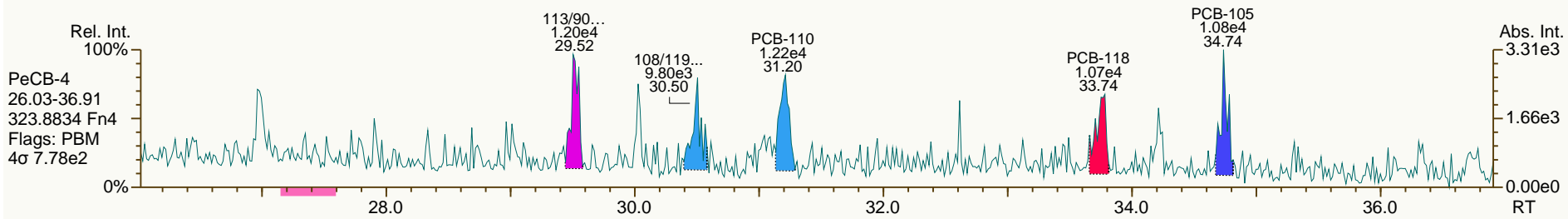
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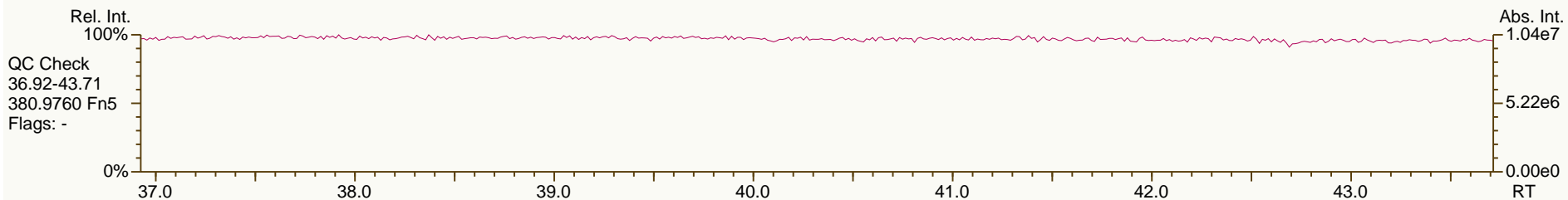
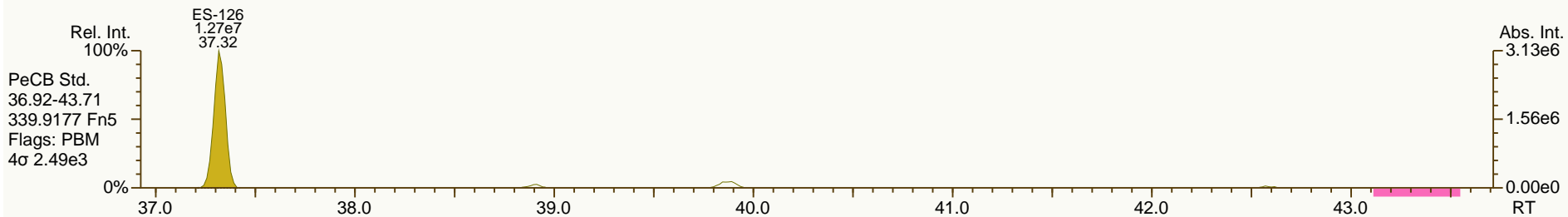
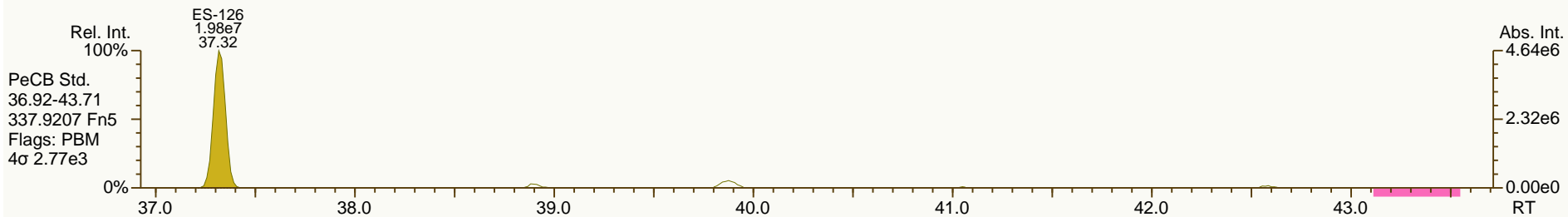
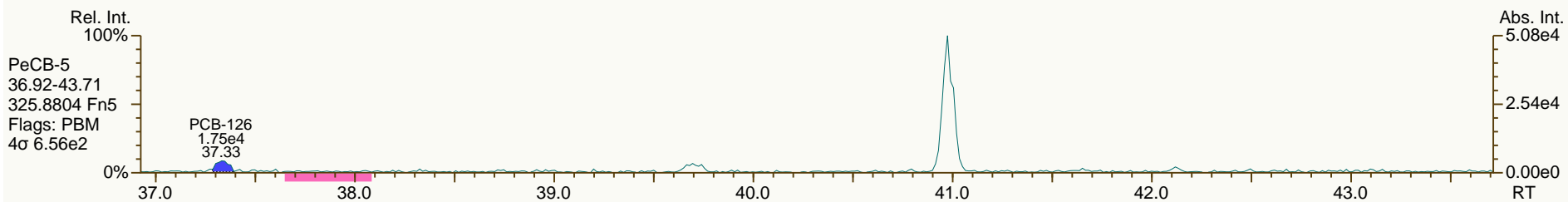
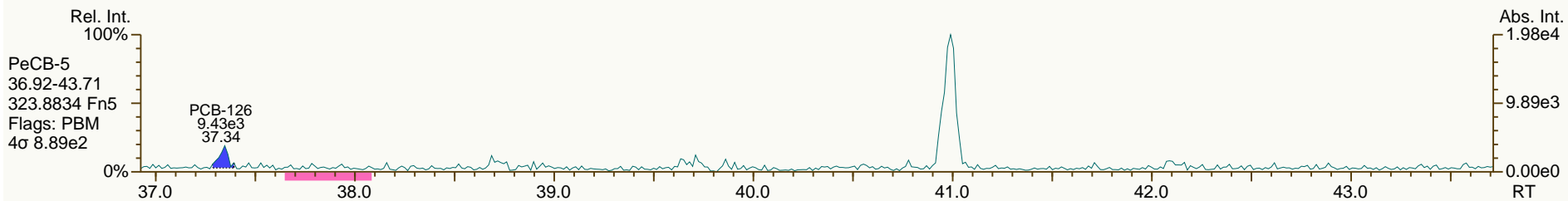
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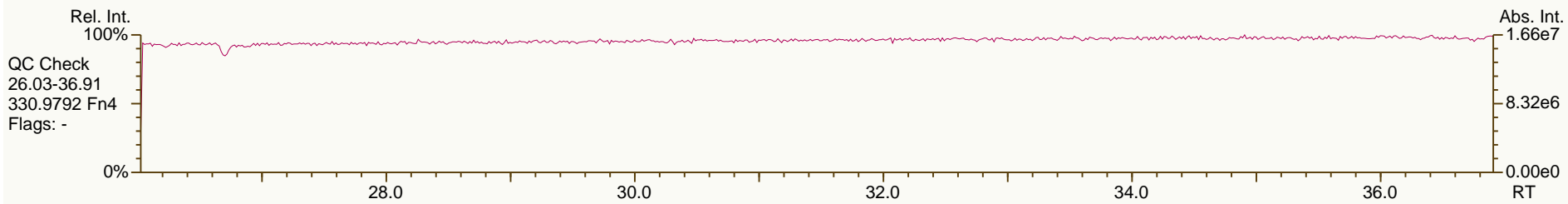
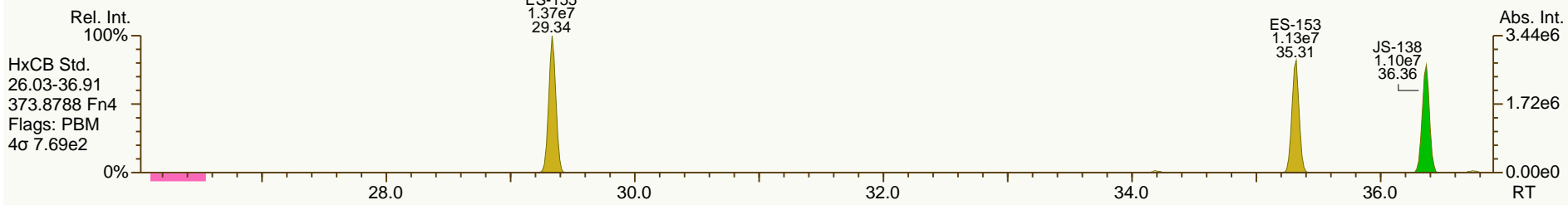
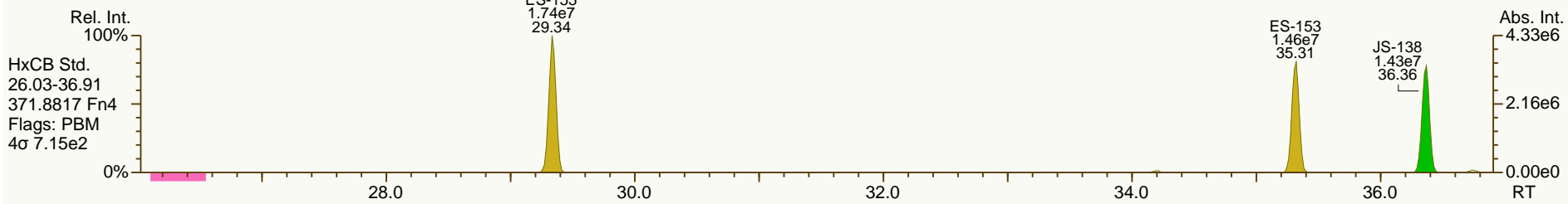
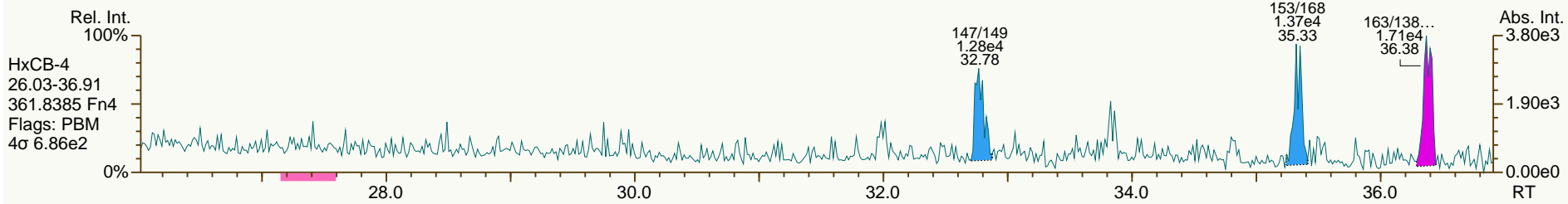
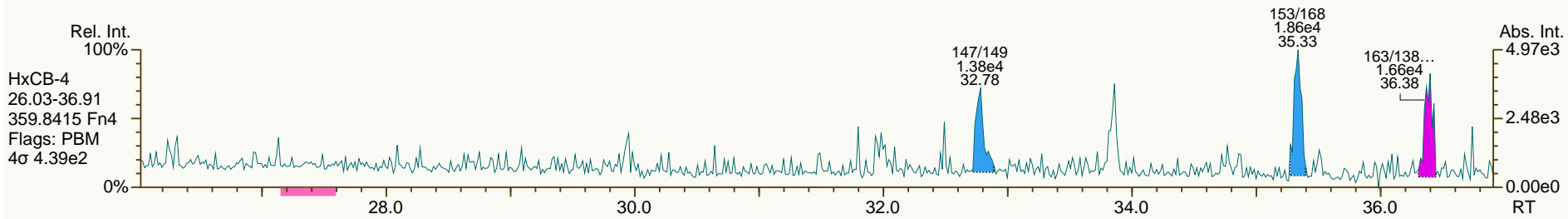
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Sample ID: Method Blank A5462
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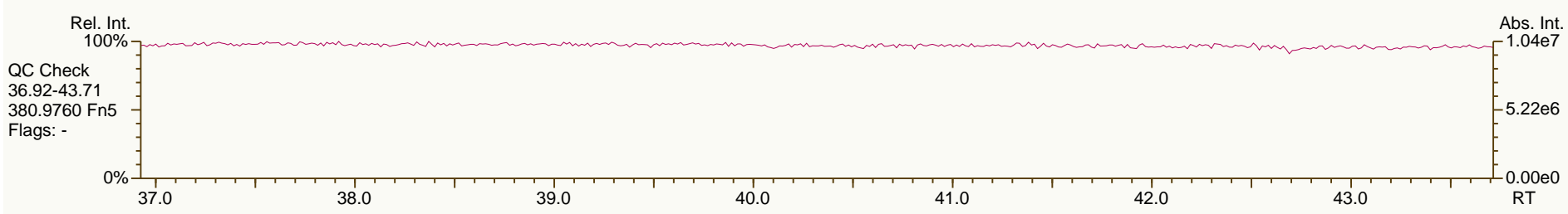
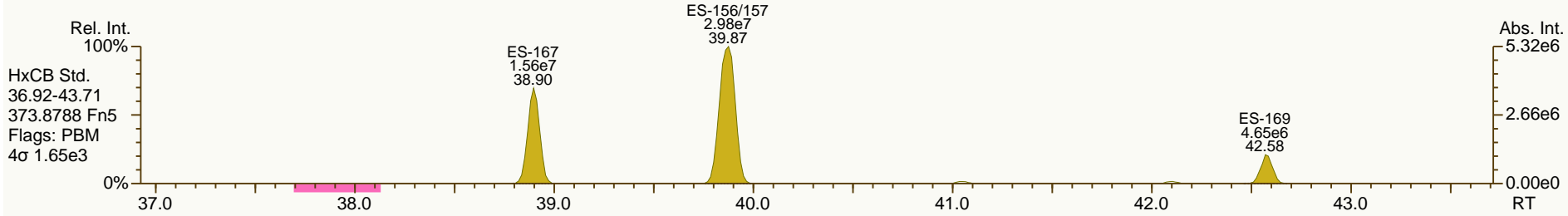
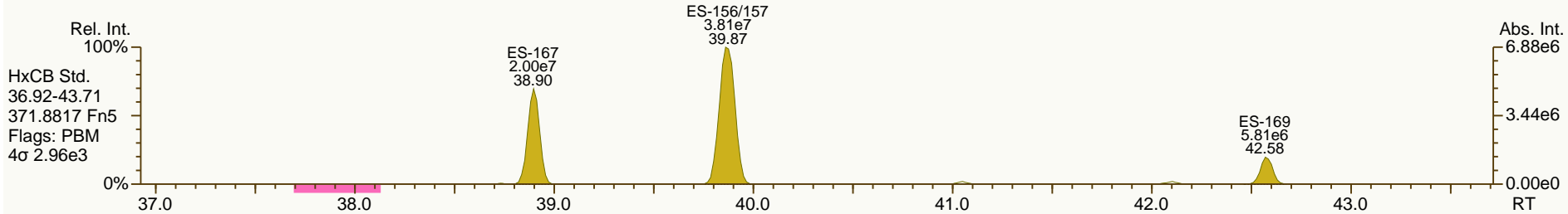
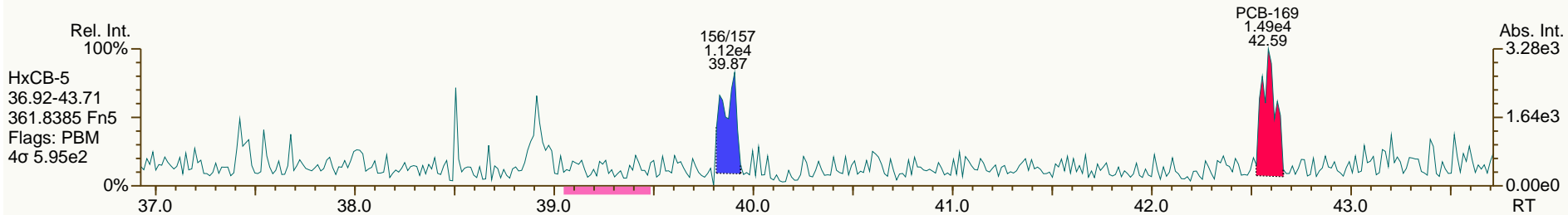
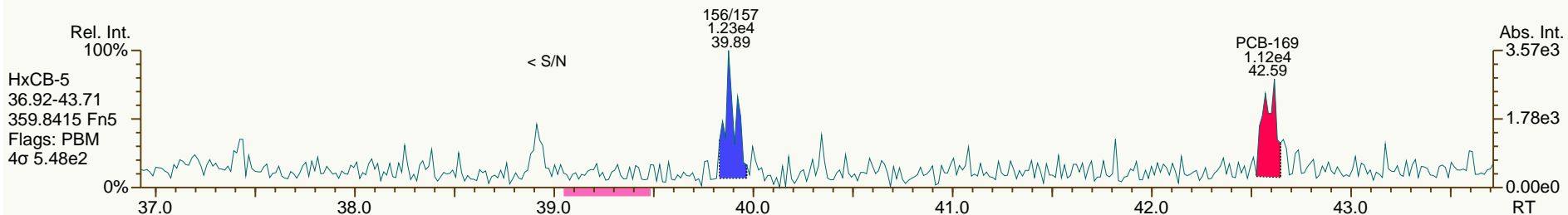
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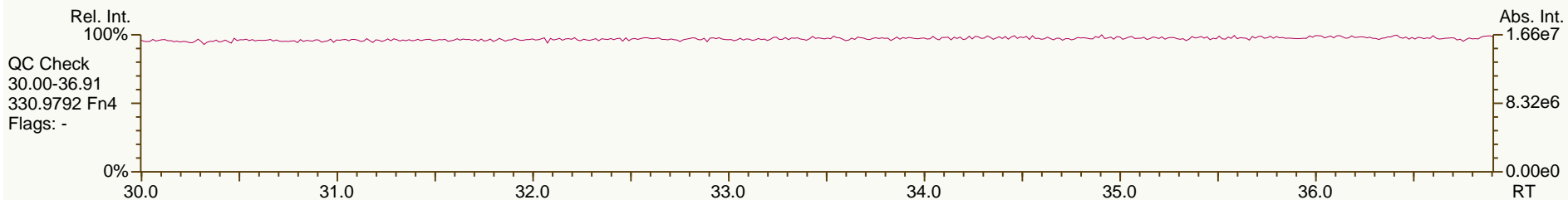
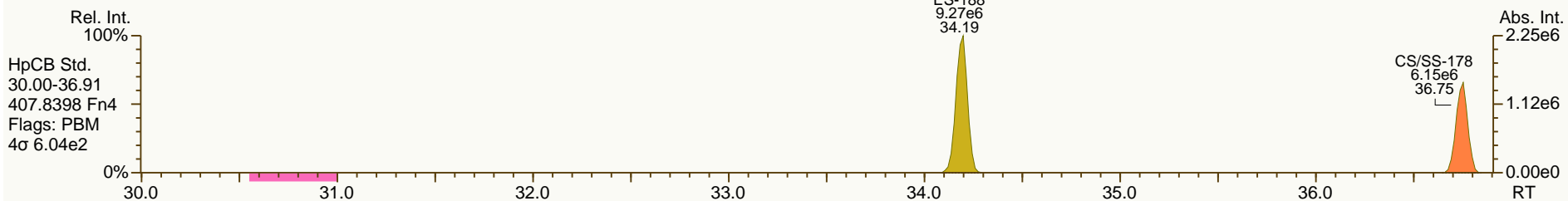
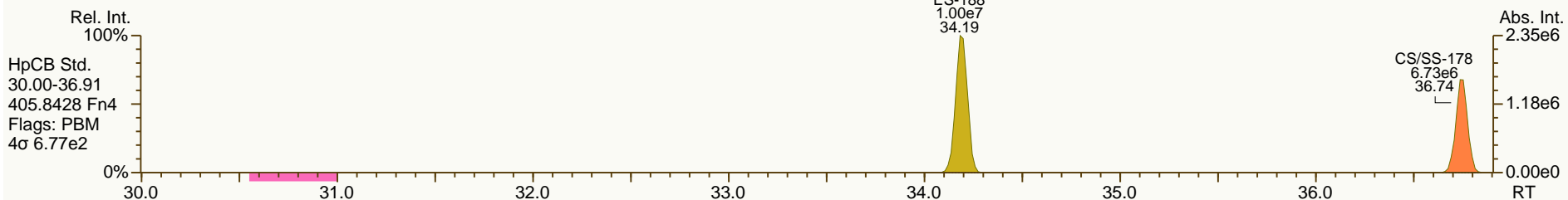
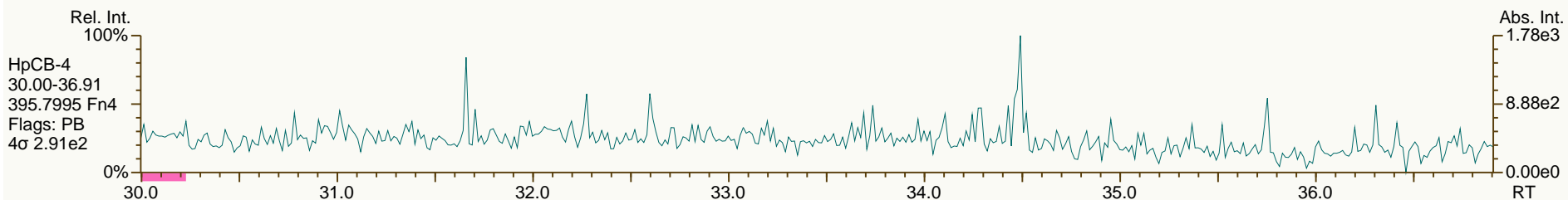
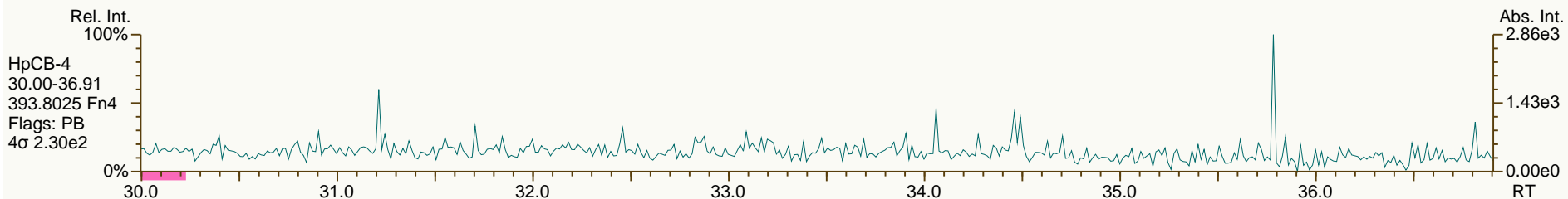
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

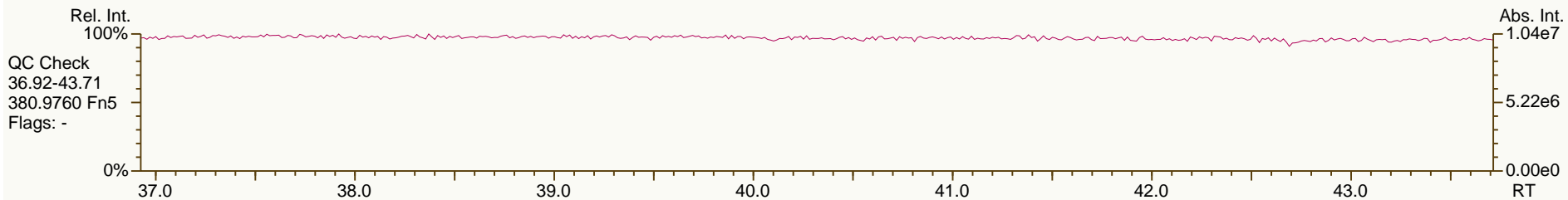
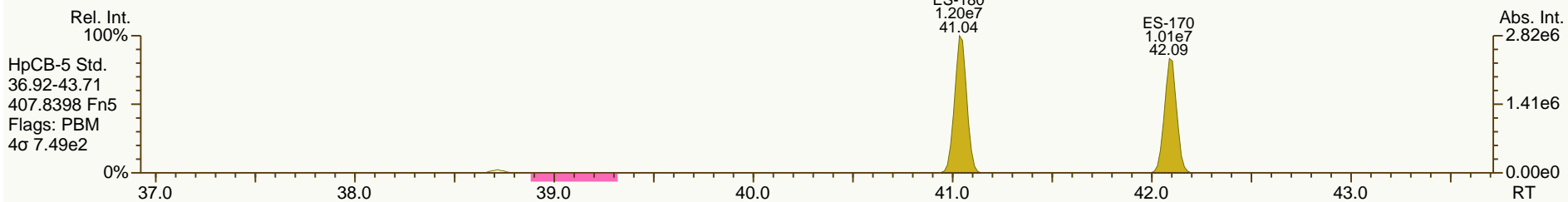
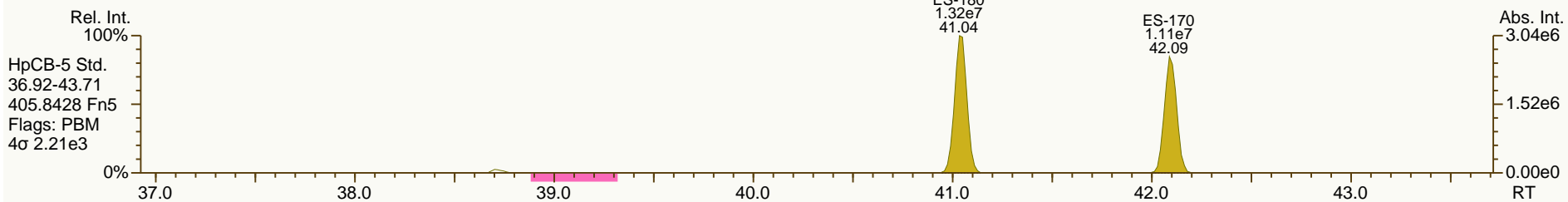
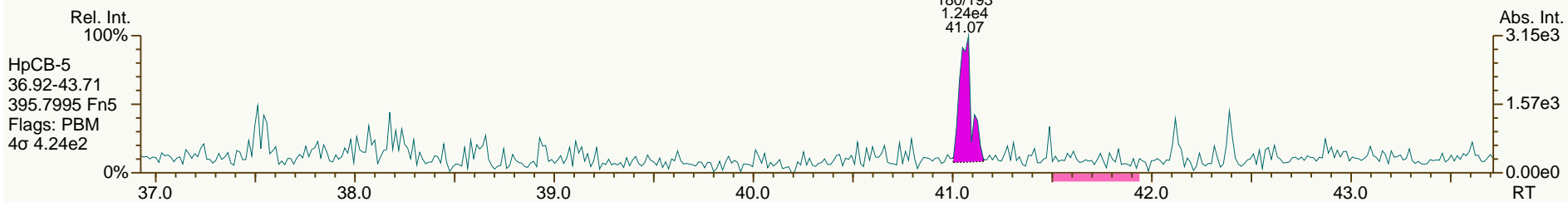
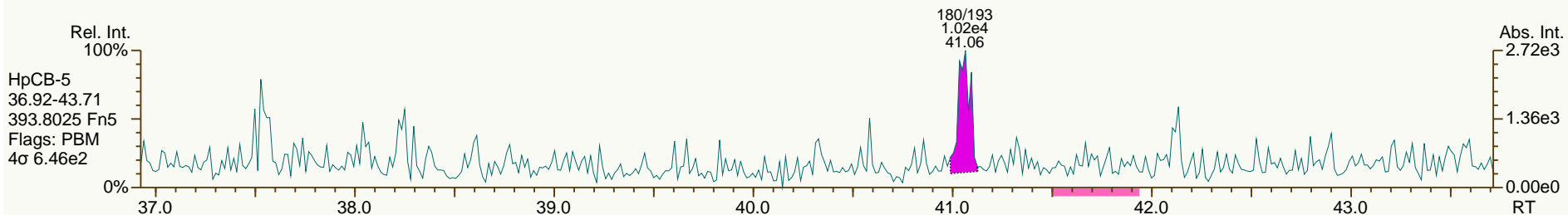
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

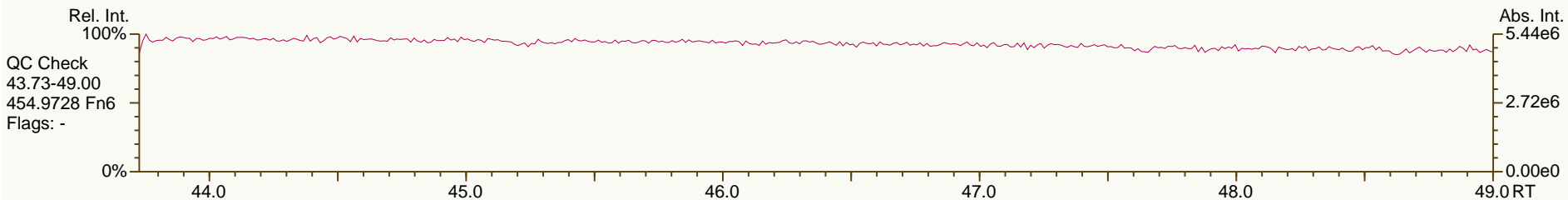
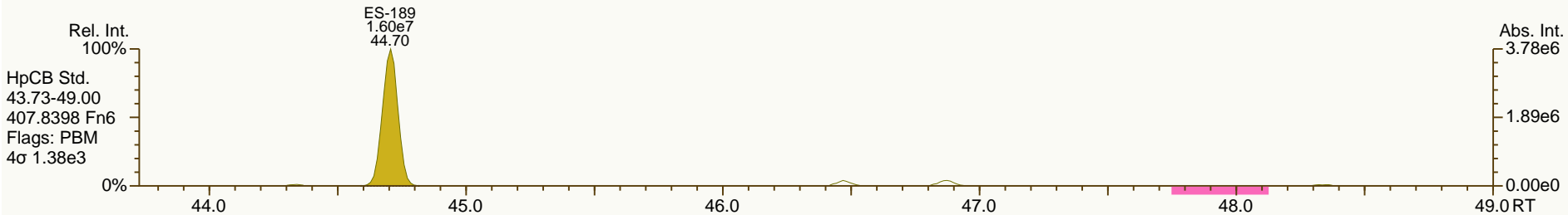
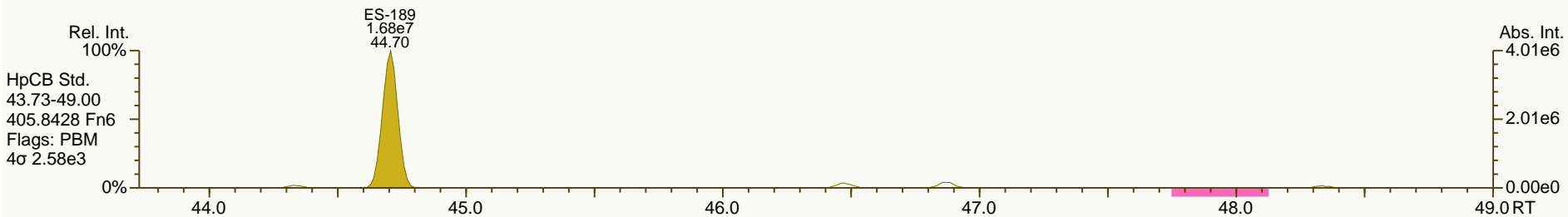
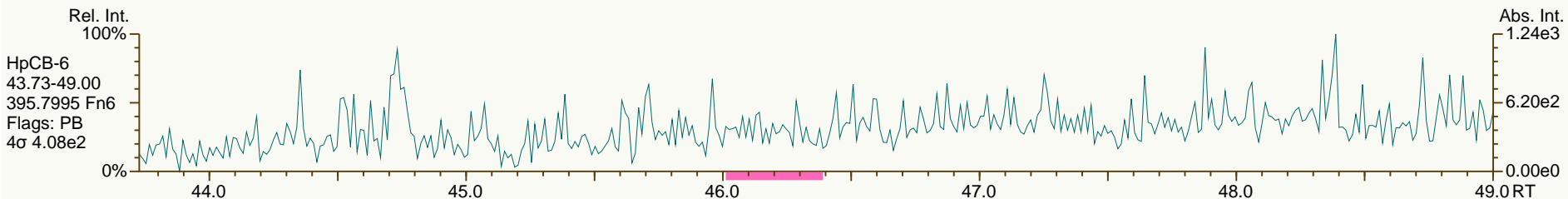
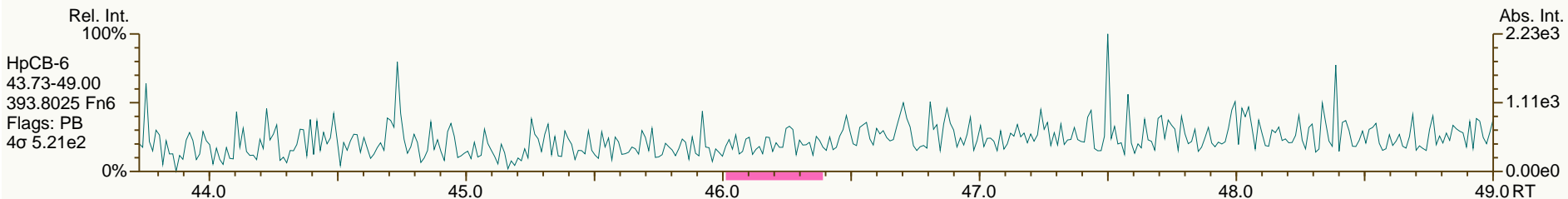
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

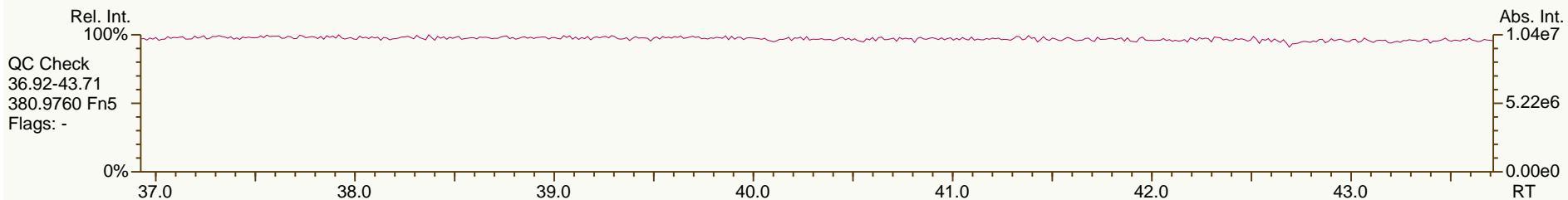
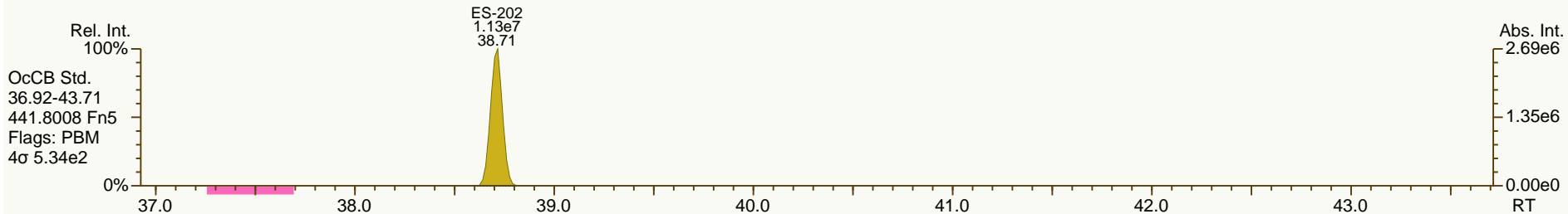
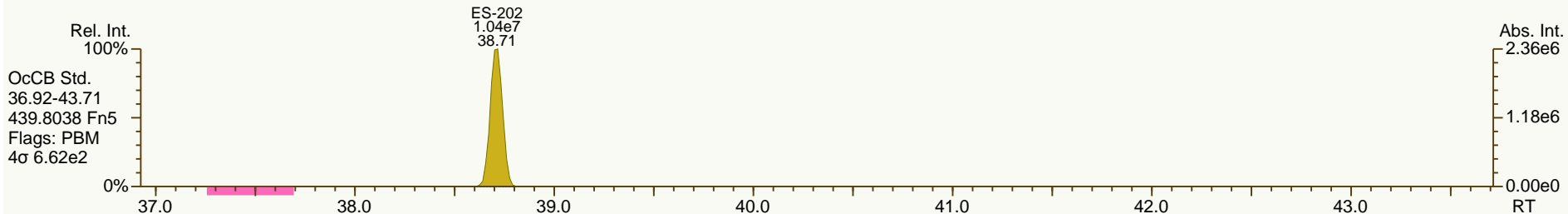
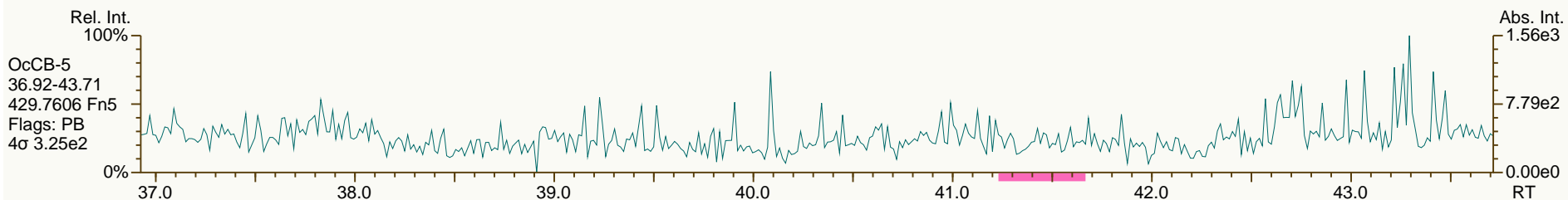
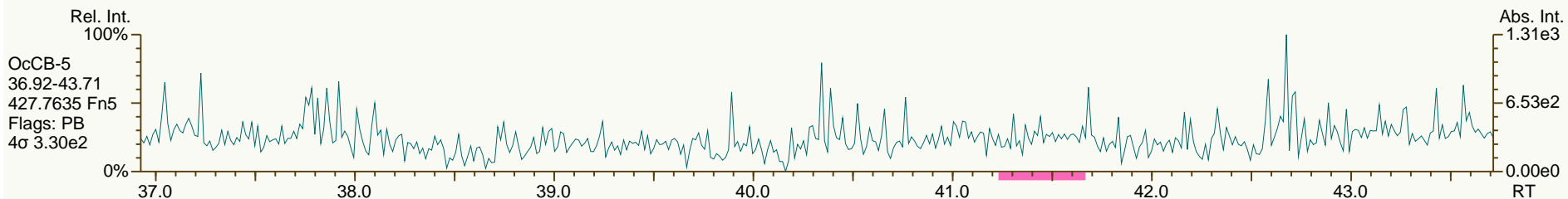
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

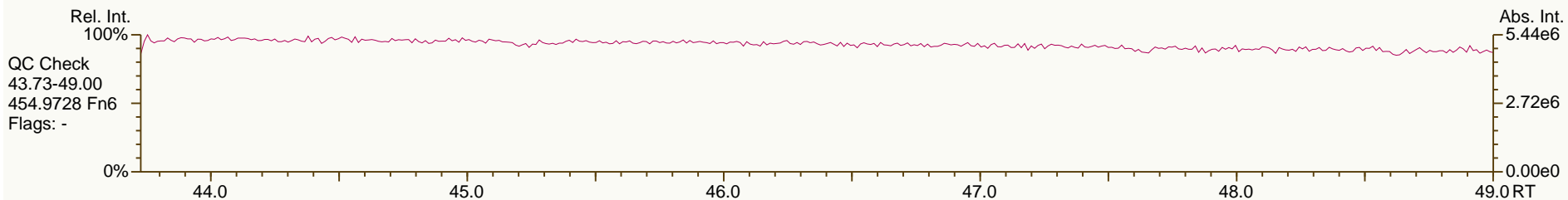
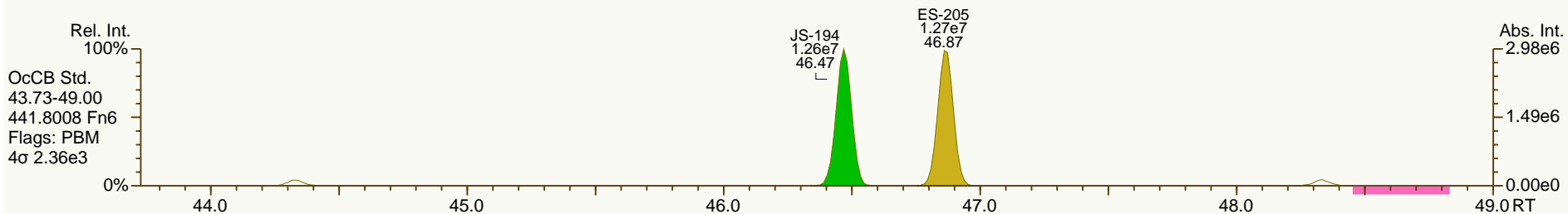
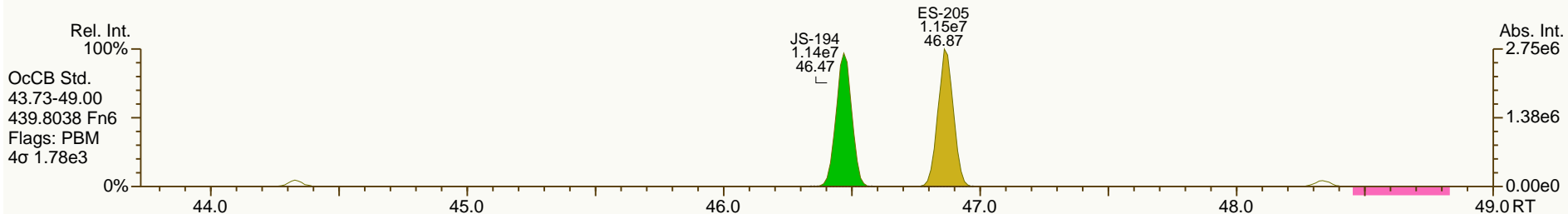
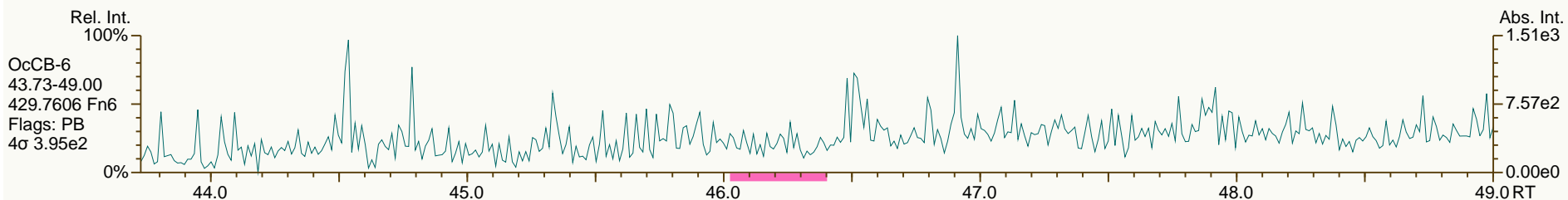
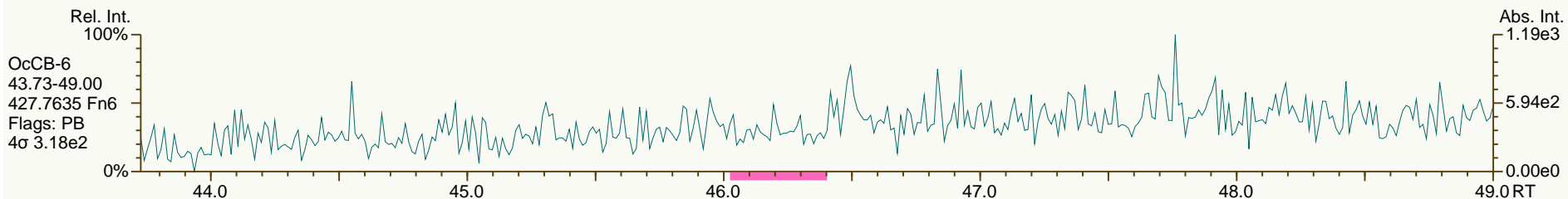
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

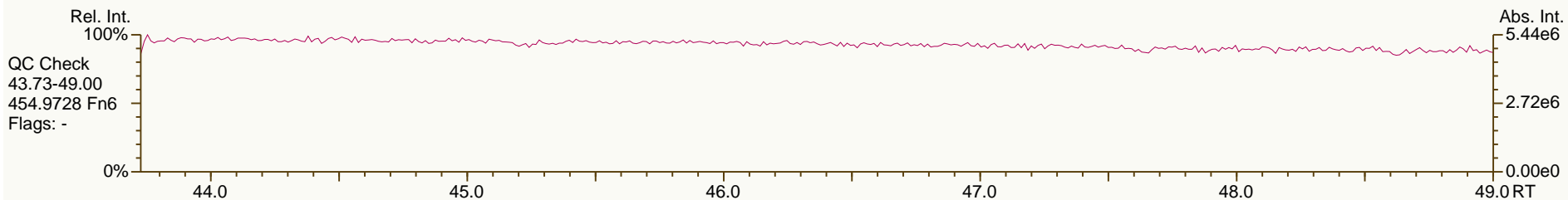
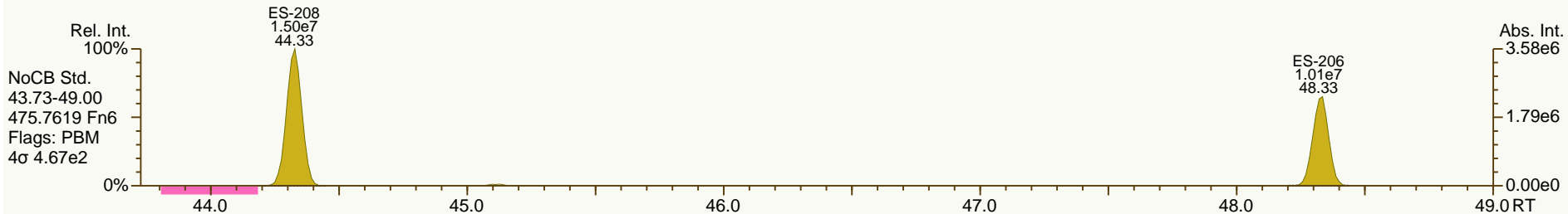
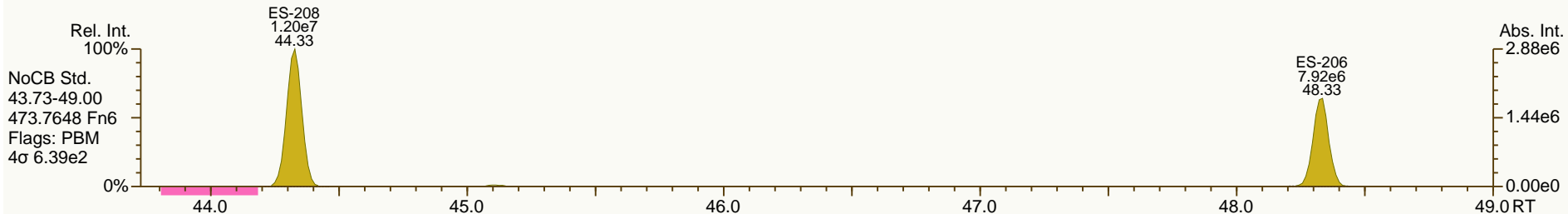
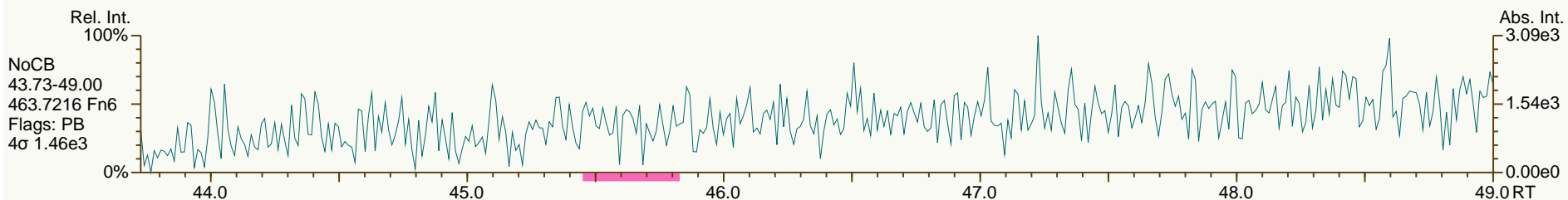
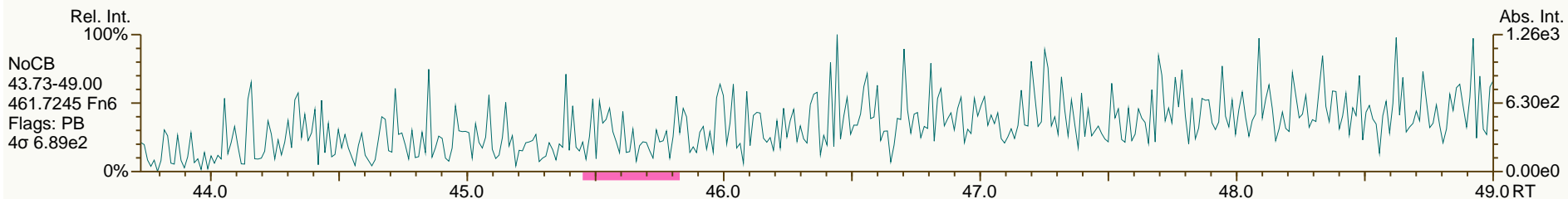
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

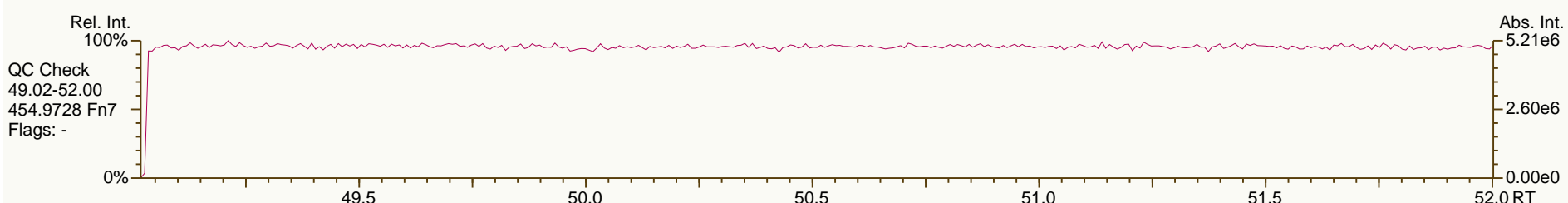
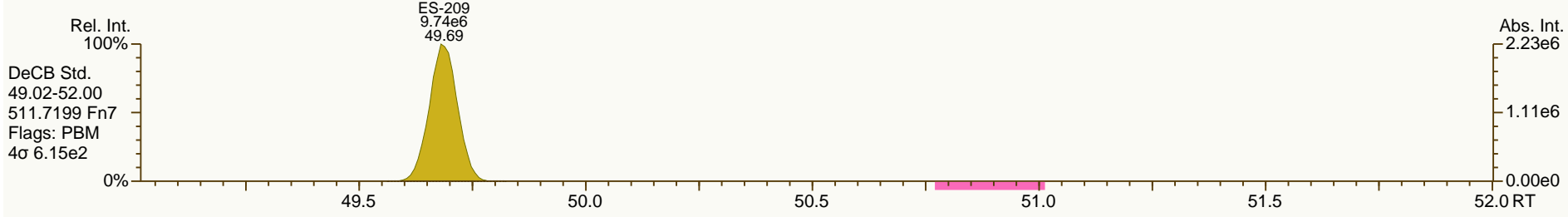
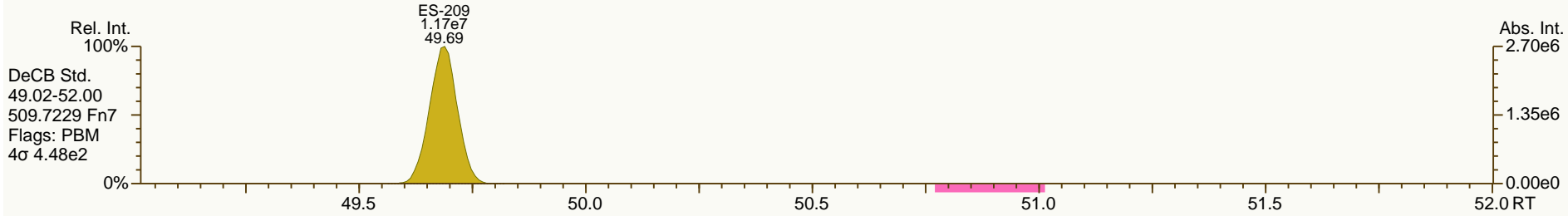
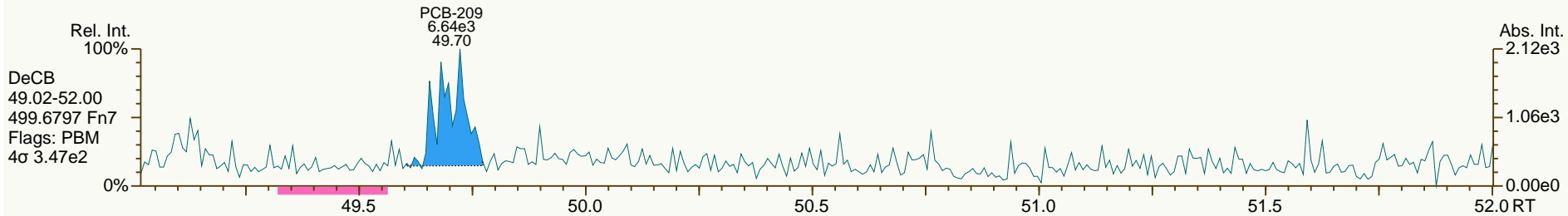
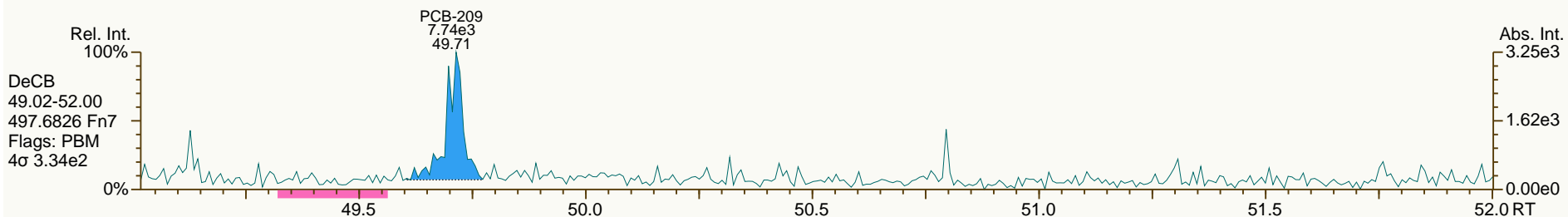
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SGS-AP ID: MB1_10924_PCB_TLX
 Instr: AutoSpec-Premier MM7

Sample ID: Method Blank A5462
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 21

Acq: 18-May-2013 17:50:04
 User: LKB Datafile: 130519X04



Lab ID: A5462_10924_PCB_001

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Client ID: JW-SSRB-130429

UTP: 21-May-2013 14:31 LKB

J-level: 10.1 pg/L Split: 1

Checkcode: 623-716-SKK

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RPT: 21-May-2013 14:48 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.77	J	1.0006	1.0010	+0.8	2.86E+04	0.74	1.13	1.18	1.97E+03	0.861
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.97E+03	0.907
PCB-105 233'44'-PeCB	34.73	J B	1.0007	1.0006	-0.2	6.13E+04	0.57	1.09	3.08	1.28E+03	0.673
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.28E+03	0.647
PCB-118 23'44'5'-PeCB	33.74	J B	1.0007	1.0007	0	1.16E+05	0.62	1.11	5.68	1.28E+03	0.649
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.28E+03	0.623
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.32E+03	0.753
PCB-156/157 ...-HxCB	39.88	J B EMPC	1.0005	1.0003	-0.5	1.94E+04	1.58	1.11	1	1.04E+03	0.735
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.04E+03	0.512
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.04E+03	1.35
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	8.33E+02	0.503
PCB-209 DeCB	49.71	J B EMPC	1.0004	1.0005	+0.3	9.74E+03	0.92	1.07	0.805	8.05E+02	0.71
ES PCB-1	11.25		0.7215	0.7216	+0.1	3.99E+07	3.13	1.08	88.7 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	4.35E+07	3.14	1.08	96.6 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.35E+07	1.63	0.49	116 %	25%	150%
ES PCB-15	19.22		1.2321	1.2327	+0.7	5.16E+07	1.55	1.11	112 %	25%	150%
ES PCB-19	16.66		1.0682	1.0688	+0.6	2.49E+07	1.07	0.55	108 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.72E+07	1.06	1.64	102 %	25%	150%
ES PCB-54	19.49		0.8282	0.8278	-0.5	2.14E+07	0.80	0.94	80.7 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.32E+07	0.79	1.35	114 %	25%	150%
ES PCB-81	31.27		1.3265	1.3277	+2.3	4.12E+07	0.79	1.29	113 %	25%	150%
ES PCB-104	24.40		0.8280	0.8275	-0.7	2.24E+07	1.66	0.99	83.2 %	25%	150%
ES PCB-105	34.71		1.1764	1.1770	+1.2	3.67E+07	1.57	1.23	110 %	25%	150%
ES PCB-114	34.18		1.1583	1.1588	+1.0	3.66E+07	1.56	1.25	108 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.73E+07	1.59	1.28	107 %	25%	150%
ES PCB-123	33.44		1.1334	1.1339	+1.0	3.57E+07	1.53	1.22	108 %	25%	150%
ES PCB-126	37.32		1.2644	1.2653	+2.0	3.44E+07	1.56	1.20	106 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.66E+07	1.30	1.14	109 %	25%	150%
ES PCB-155	29.33		0.8073	0.8067	-1.1	3.23E+07	1.28	1.50	101 %	25%	150%
ES PCB-156/157	39.87		1.0961	1.0964	+0.7	7.06E+07	1.30	1.45	113 %	25%	150%
ES PCB-167	38.90		1.0695	1.0697	+0.5	3.69E+07	1.26	1.49	115 %	25%	150%
ES PCB-169	42.57		1.1704	1.1709	+1.3	1.46E+07	1.36	1.40	48.6 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.21E+07	1.06	1.00	108 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.60E+07	1.08	1.16	110 %	25%	150%
ES PCB-188	34.19		0.7363	0.7357	-1.2	2.02E+07	1.11	1.18	79.9 %	25%	150%
ES PCB-189	44.70		0.9621	0.9620	-0.3	3.40E+07	1.04	1.49	112 %	25%	150%
ES PCB-202	38.71		0.8334	0.8330	-0.9	2.21E+07	0.95	1.14	90.9 %	25%	150%
ES PCB-205	46.86		1.0085	1.0085	0	2.55E+07	0.89	1.20	104 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.33		1.0399	1.0400	+0.3	1.89E+07	0.78	0.87	106 %	25%	150%
ES PCB-208	44.32		0.9540	0.9539	-0.3	2.73E+07	0.79	1.19	112 %	25%	150%
ES PCB-209	49.68		1.0691	1.0692	+0.3	2.28E+07	1.18	1.00	111 %	25%	150%
SS PCB-28	21.94		0.9320	0.9318	-0.3	4.84E+07	1.05	1.07	95.4 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.87E+07	1.56	1.01	108 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.36E+07	1.11	0.63	107 %	30%	135%
CS PCB-28	21.94		0.9320	0.9318	-0.3	4.84E+07	1.05	1.76	97.5 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.87E+07	1.56	1.23	117 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.36E+07	1.11	0.74	85.6 %	30%	135%
JS PCB-9	15.59					4.16E+07	1.57				
JS PCB-52	23.55					2.82E+07	0.80				
JS PCB-101	29.49					2.71E+07	1.58				
JS PCB-138	36.36					2.14E+07	1.29				
JS PCB-194	46.47					2.04E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.54		
						Di-CBs	15.7	15.7	1.76		
						Tri-CBs	3.45	5.5	1.74		
						Tetra-CBs	7.2	10.3	0.812		
						Penta-CBs	24	25.9	0.673		
						Hexa-CBs	18.2	21.3	0.791		
						Hepta-CBs	2.76	3.57	0.653		
						Octa-CBs	0	0	0.708		
						Nona-CBs	0	0	1.72		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.07E+03	1.45
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.07E+03	1.62
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.07E+03	1.64
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	3.52E+03	1.94
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	3.52E+03	1.25
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	4.64E+03	1.97
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	4.64E+03	1.74
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	4.64E+03	1.84
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	4.64E+03	1.85
PCB-8 24'-DiCB	16.39	J	1.0513	1.0516	+0.3	4.78E+04	SI	0.95	1.96	4.64E+03	1.8
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	4.64E+03	1.53
PCB-11 33'-DiCB	18.67	B	0.9716	0.9717	+0.1	3.39E+05	1.73	0.96	13.7	4.64E+03	1.77
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	4.64E+03	1.76
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	4.64E+03	1.58

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.37E+03	2.18
PCB-30/18 246/22'5-TrCB	18.42	J C	1.1043	1.1054	+1.2	3.31E+04	1.08	1.46	1.85	3.37E+03	1.64
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.37E+03	1.91
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.37E+03	1.43
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.37E+03	1.48
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.37E+03	2.48
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.37E+03	1.35
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	3.25E+03	1.31
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	3.25E+03	1.3
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	3.25E+03	1.28
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	3.25E+03	1.28
PCB-31 24'5-TrCB	21.69	J B	0.8529	0.8523	-0.8	4.36E+04	0.97	1.16	1.6	3.25E+03	1.23
PCB-28/20 244'/233'-TrCB	21.97	J B EMPC	0.8638	0.8633	-0.7	5.25E+04	1.21	1.10	2.05	3.25E+03	1.3
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	3.25E+03	1.25
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	3.25E+03	1.35
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	3.25E+03	1.23
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	3.25E+03	1.18
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	3.25E+03	1.3
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	3.25E+03	1.34
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	3.25E+03	1.29
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	8.76E+02	0.631
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.31E+03	0.817
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.31E+03	1.01
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.31E+03	0.767
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.31E+03	1.02
PCB-52 22'55'-TeCB	23.57	J B EMPC	1.0009	1.0011	+0.3	3.17E+04	0.60	0.80	1.93	1.31E+03	0.845
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.31E+03	0.638
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.31E+03	0.983
PCB-69/49 23'46/22'45'-TeCB	24.01	J C	1.0186	1.0198	+1.7	1.80E+04	0.76	0.98	0.9	1.31E+03	0.692
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.31E+03	0.825
PCB-44/47/65 ...-TeCB	24.46	J B C	1.0393	1.0385	-1.2	3.57E+04	0.66	0.87	2.01	1.31E+03	0.78
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.31E+03	0.612
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.31E+03	0.883
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.31E+03	0.947
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.31E+03	0.82
PCB-64 234'6-TeCB	NotFnd		1.0839	-		0.00E+00		1.19	ND	1.31E+03	0.57
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	1.97E+03	0.882
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	1.97E+03	0.831
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	1.97E+03	0.929
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	1.97E+03	0.9
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	1.97E+03	0.868
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	1.97E+03	0.819
PCB-61/70/74/76 ...-TeCB	27.74	J B C	0.8876	0.8874	-0.3	7.24E+04	0.85	1.14	3.11	1.97E+03	0.897
PCB-66 23'44'-TeCB	28.03	J EMPC	0.8964	0.8964	0	2.63E+04	0.93	1.08	1.2	1.97E+03	0.95
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	1.97E+03	0.935

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	1.97E+03	0.962
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	1.97E+03	0.928
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	1.97E+03	0.8
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	1.97E+03	0.809
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	1.97E+03	0.964
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	9.28E+02	0.693
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	9.28E+02	0.707
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.28E+03	0.779
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.28E+03	0.902
PCB-95 22'35'6'-PeCB	26.98	J EMPC	0.9151	0.9148	-0.5	2.93E+04	0.49	0.88	1.89	1.28E+03	0.841
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.28E+03	0.849
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.28E+03	0.738
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.28E+03	0.929
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.28E+03	0.935
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.28E+03	0.763
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.28E+03	0.991
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.28E+03	0.925
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.28E+03	0.61
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.28E+03	0.867
PCB-113/90/101 ...-PeCB	29.51	J B C	0.9999	1.0006	+1.2	7.48E+04	0.63	1.01	4.21	1.28E+03	0.737
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.28E+03	1
PCB-99 22'44'5'-PeCB	30.03	J	1.0178	1.0181	+0.5	2.84E+04	0.58	1.02	1.58	1.28E+03	0.728
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.28E+03	0.656
PCB-108/119/86/97/125...-PeCB	30.48	J B C	1.0327	1.0336	+1.6	5.93E+04	0.59	1.02	3.29	1.28E+03	0.728
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.28E+03	0.628
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.28E+03	0.768
PCB-110 233'4'6'-PeCB	31.19	J B	1.0575	1.0576	+0.2	1.31E+05	0.56	1.20	6.16	1.28E+03	0.615
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.28E+03	0.647
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.28E+03	1.01
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.28E+03	0.591
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.28E+03	0.593
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.28E+03	0.642
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.28E+03	0.58
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.28E+03	0.66
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.28E+03	0.708
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.28E+03	0.626
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	9.87E+02	0.568
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	9.87E+02	0.543
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	9.87E+02	0.534
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	9.87E+02	0.575
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	9.87E+02	0.563
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	9.87E+02	0.709
PCB-151/135 ...-HxCB	32.00	J C	1.0907	1.0909	+0.4	1.86E+04	1.12	1.06	1.33	9.87E+02	0.734
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	9.87E+02	0.638
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	9.87E+02	0.716

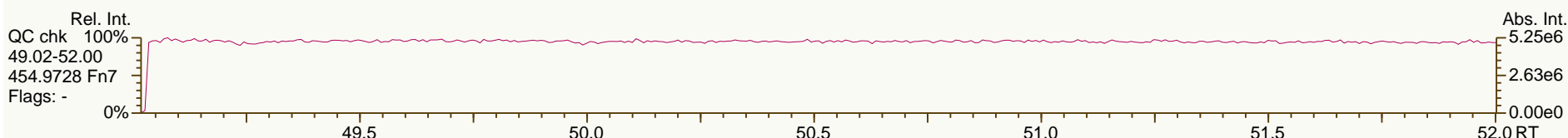
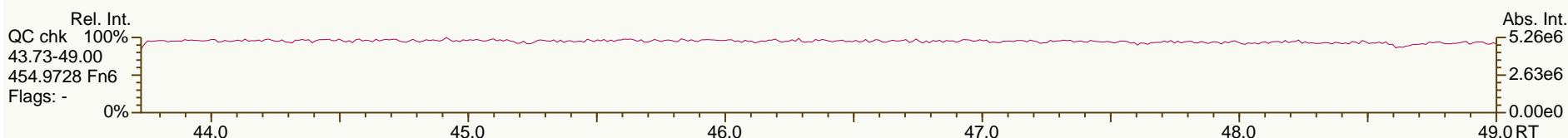
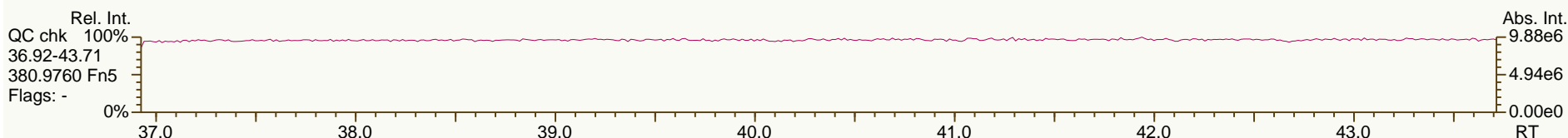
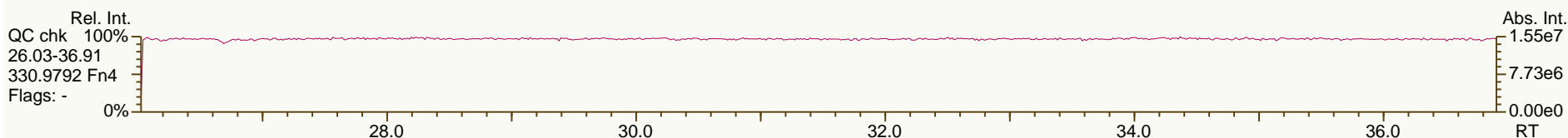
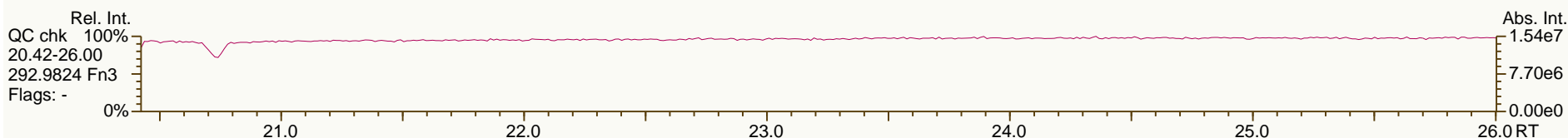
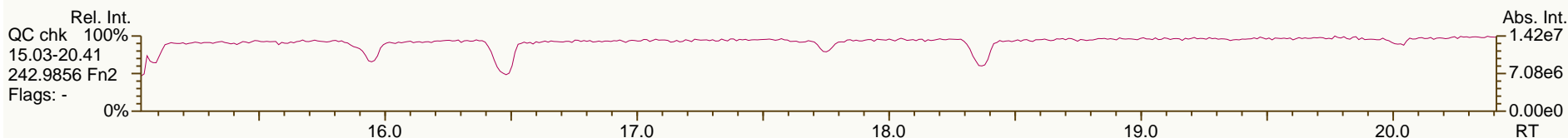
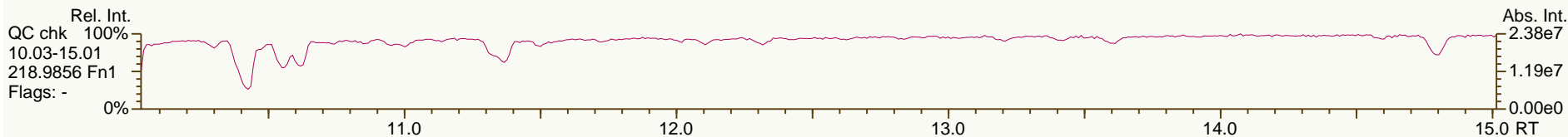
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	32.78	J B C	1.1170	1.1174	+0.8	5.46E+04	1.09	1.09	3.8	9.87E+02	0.713
PCB-134 22'33'56"-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	9.87E+02	0.881
PCB-143 22'34'56"-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	9.87E+02	0.749
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	9.87E+02	0.7
PCB-131 22'33'46"-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	9.87E+02	0.808
PCB-142 22'34'56"-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	9.87E+02	0.83
PCB-132 22'33'46"-HxCB	33.84	J	1.1529	1.1535	+1.2	2.95E+04	1.35	0.99	2.27	9.87E+02	0.788
PCB-133 22'33'55"-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	9.87E+02	0.749
PCB-165 233'55'6"-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	9.87E+02	0.608
PCB-146 22'34'55"-HxCB	NotFnd		0.9574	-		0.00E+00		1.12	ND	9.87E+02	0.693
PCB-161 233'45'6"-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	9.87E+02	0.543
PCB-153/168 ...-HxCB	35.33	J B C	0.9724	0.9717	-1.5	6.79E+04	1.34	1.22	4.23	9.87E+02	0.637
PCB-141 22'34'55"-HxCB	35.48	J EMPC	0.9761	0.9758	-0.6	1.55E+04	1.52	1.05	1.12	9.87E+02	0.74
PCB-130 22'33'45"-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	9.87E+02	0.831
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	9.87E+02	0.731
PCB-164 233'4'5'6"-HxCB	NotFnd		0.9931	-		0.00E+00		1.45	ND	9.87E+02	0.535
PCB-163/138/129 ...-HxCB	36.39	J B C	1.0011	1.0007	-0.9	9.77E+04	1.27	1.13	6.58	9.87E+02	0.689
PCB-160 233'456"-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	9.87E+02	0.578
PCB-158 233'44'6"-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	9.87E+02	0.525
PCB-128/166 ...-HxCB	37.45	J EMPC C	0.9628	0.9628	0	1.47E+04	1.66	0.87	0.921	1.04E+03	0.666
PCB-159 233'455"-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.04E+03	0.559
PCB-162 233'4'55"-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.04E+03	0.556
PCB-188 22'34'566"-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	7.60E+02	0.774
PCB-179 22'33'566"-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	7.60E+02	0.727
PCB-184 22'344'66"-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	7.60E+02	0.738
PCB-176 22'33'466"-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	7.60E+02	0.666
PCB-186 22'34566"-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	7.60E+02	0.708
PCB-178 22'33'55'6"-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	7.60E+02	0.97
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	8.25E+02	0.638
PCB-187 22'34'55'6"-HpCB	37.53	J	1.0977	1.0979	+0.5	1.55E+04	1.03	1.16	1.04	8.25E+02	0.608
PCB-182 22'344'56"-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	8.25E+02	0.595
PCB-183 22'344'5'6"-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	8.25E+02	0.548
PCB-185 22'3455'6"-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	8.25E+02	0.679
PCB-174 22'33'456"-HpCB	NotFnd		1.1184	-		0.00E+00		0.97	ND	8.25E+02	0.725
PCB-177 22'33'45'6"-HpCB	NotFnd		1.1292	-		0.00E+00		0.97	ND	8.25E+02	0.727
PCB-181 22'344'56"-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	8.25E+02	0.637
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	8.25E+02	0.719
PCB-172 22'33'455"-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	8.25E+02	0.694
PCB-192 233'455'6"-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	8.25E+02	0.538
PCB-180/193 ...-HpCB	41.06	J B C	0.9179	0.9186	+1.7	2.57E+04	1.12	1.16	1.72	8.25E+02	0.607
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	8.25E+02	0.512
PCB-170 22'33'44'5"-HpCB	42.11	J EMPC	0.9422	0.9420	-0.5	9.52E+03	0.85	1.07	0.81	8.25E+02	0.749
PCB-190 233'44'56"-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	8.25E+02	0.522
PCB-202 22'33'55'66"-OocCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	7.28E+02	0.771
PCB-201 22'33'45'66"-OocCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	7.28E+02	0.62

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	7.28E+02	0.661
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	7.28E+02	0.63
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	7.28E+02	0.631
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	7.28E+02	0.907
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	7.28E+02	0.872
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	7.28E+02	0.842
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	8.31E+02	0.915
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	8.31E+02	0.876
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	8.31E+02	0.646
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	1.76E+03	1.33
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	1.76E+03	1.3
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	1.76E+03	2.1

SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
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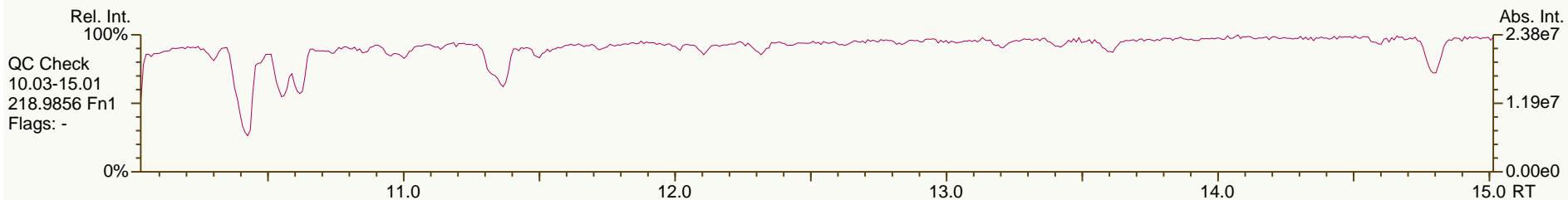
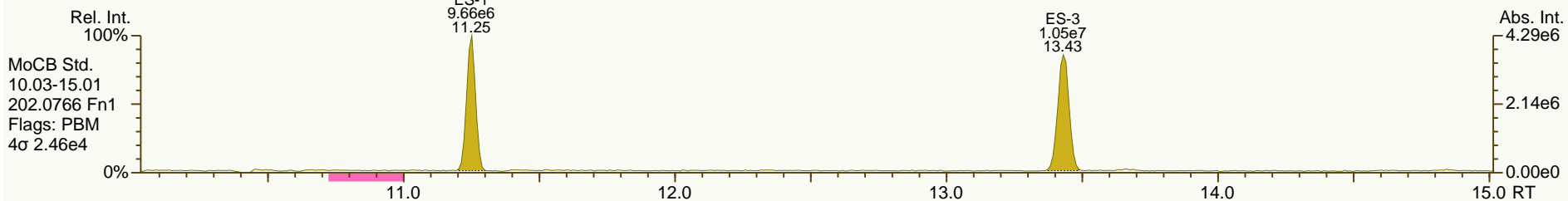
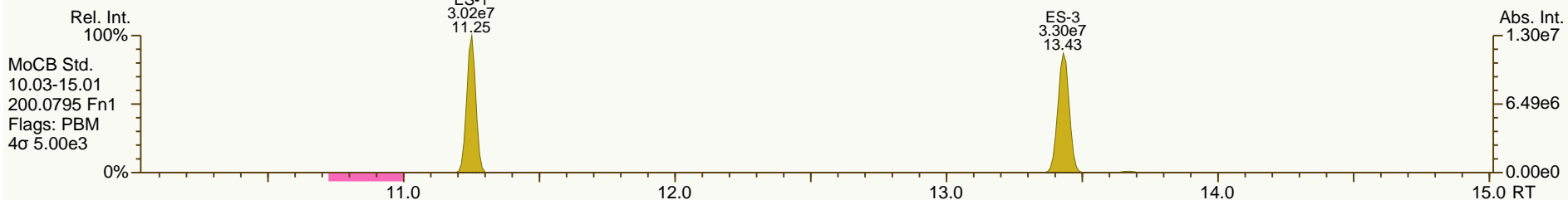
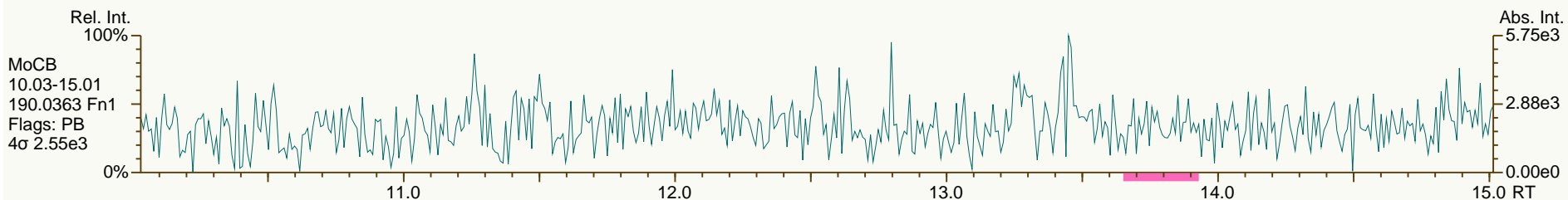
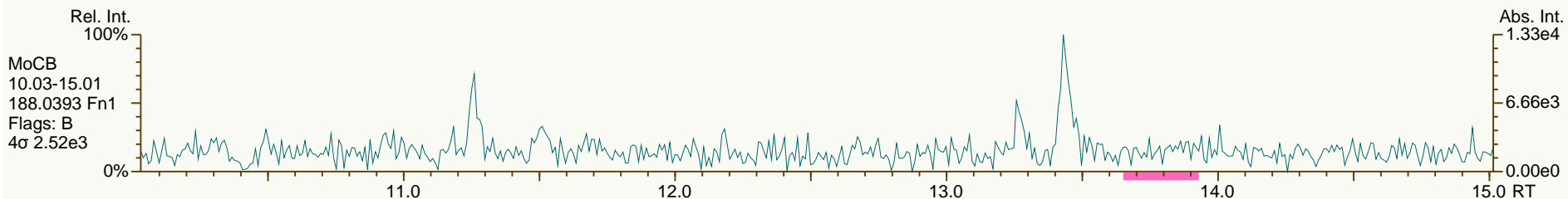
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
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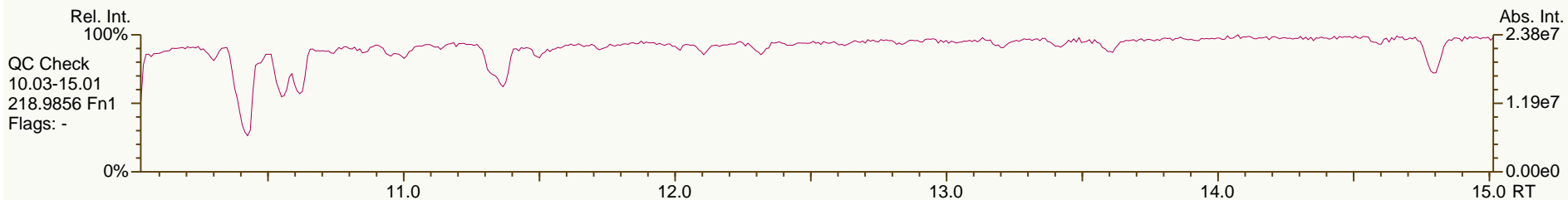
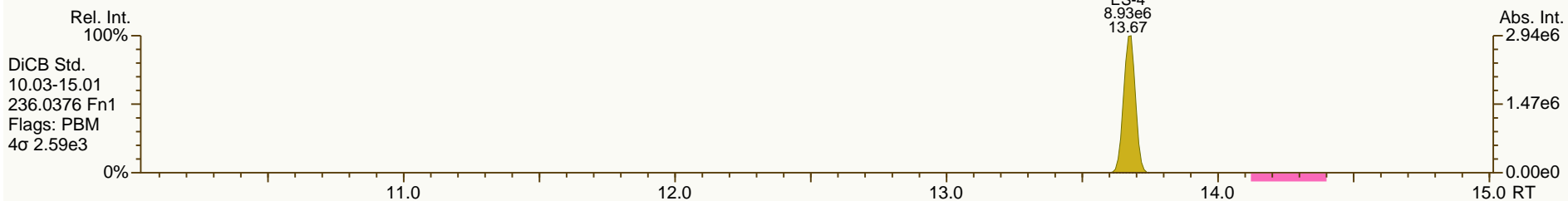
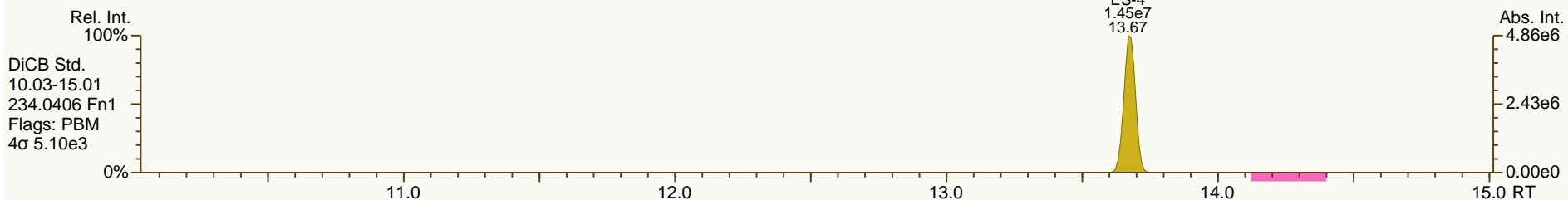
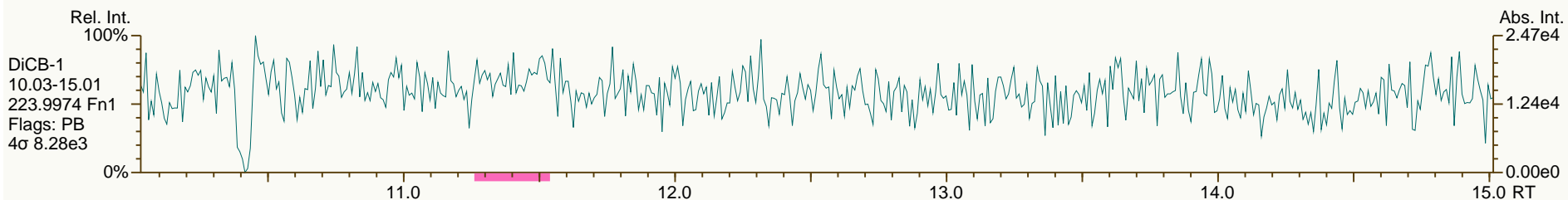
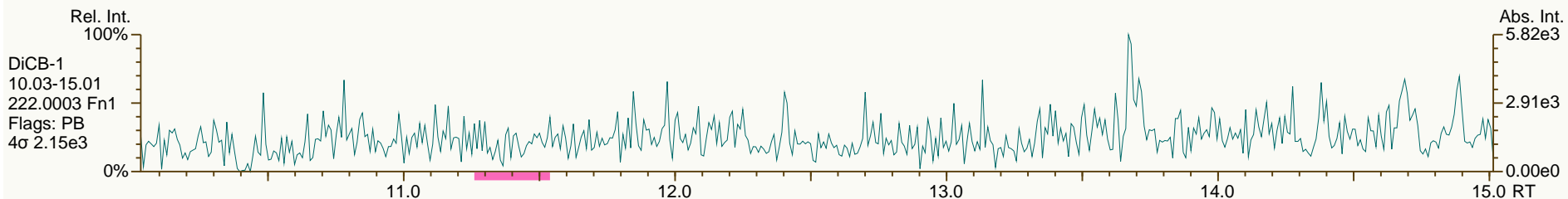
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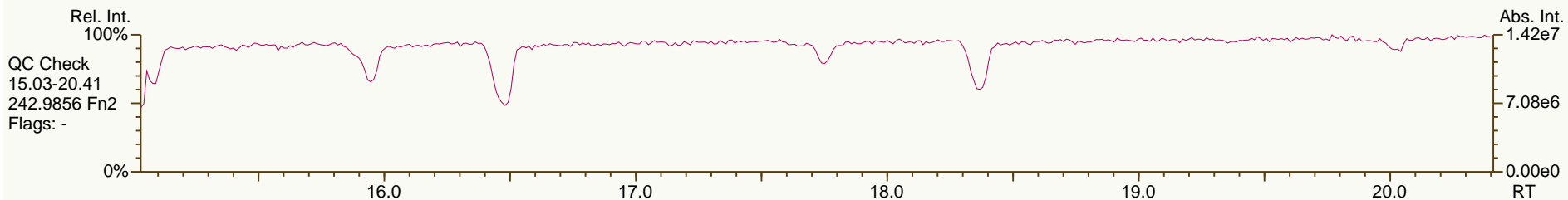
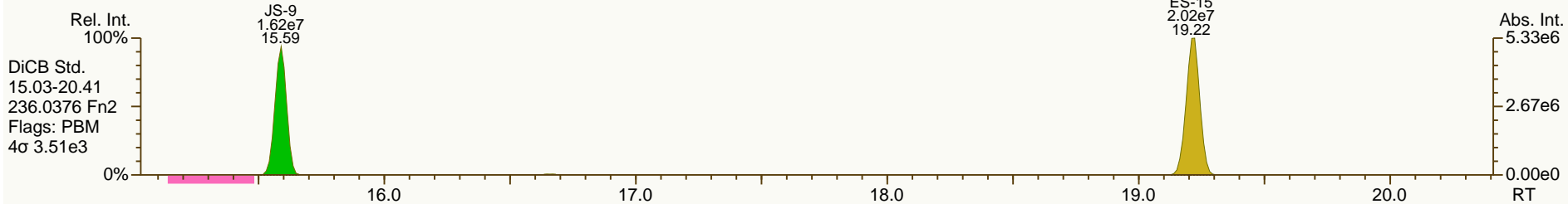
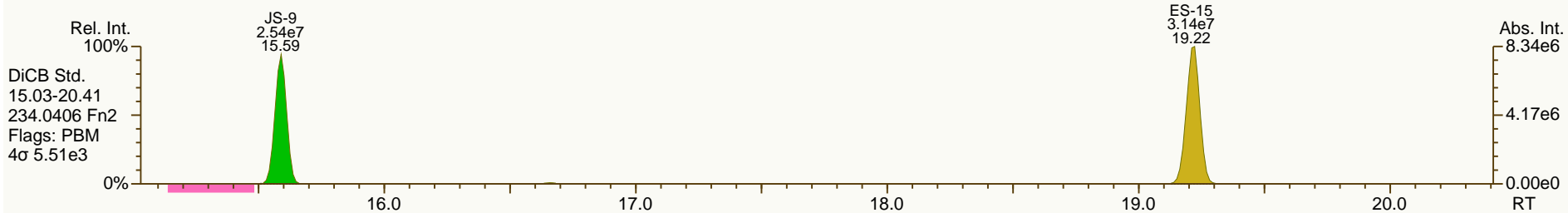
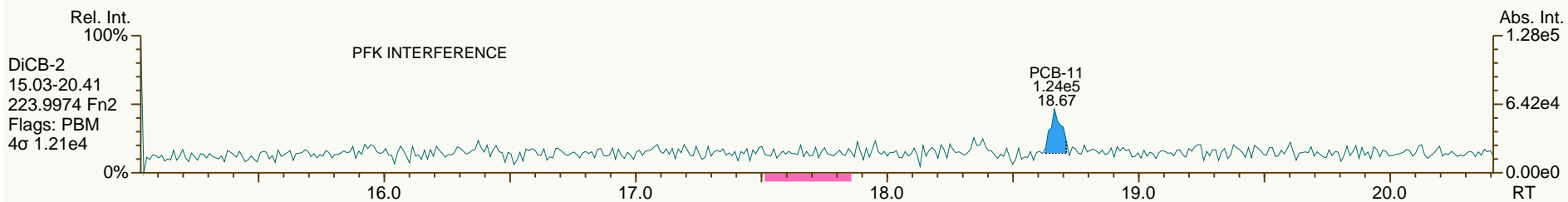
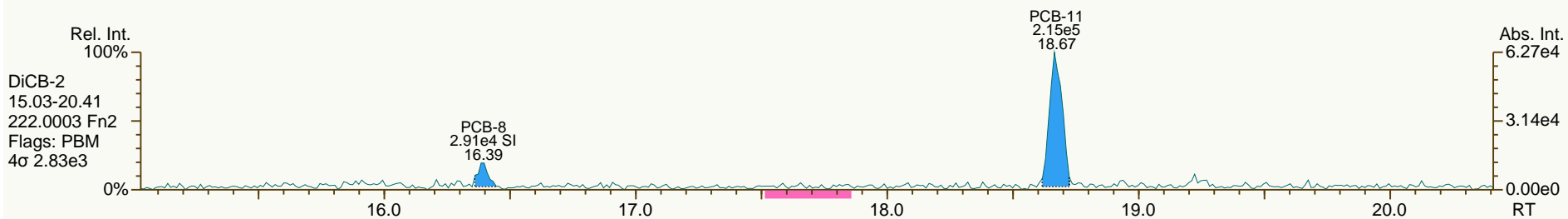
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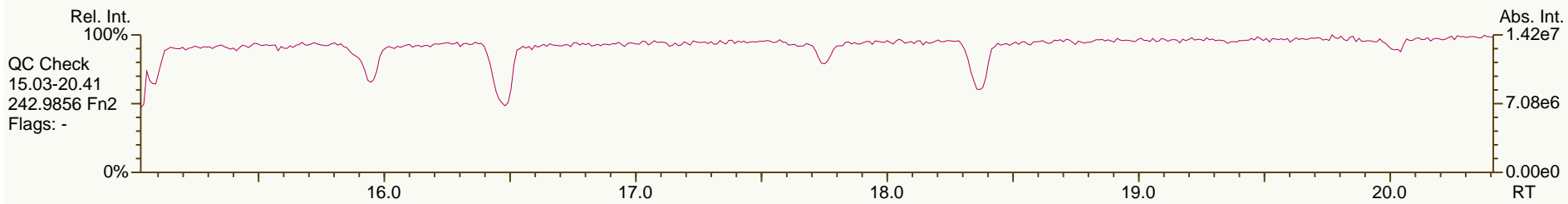
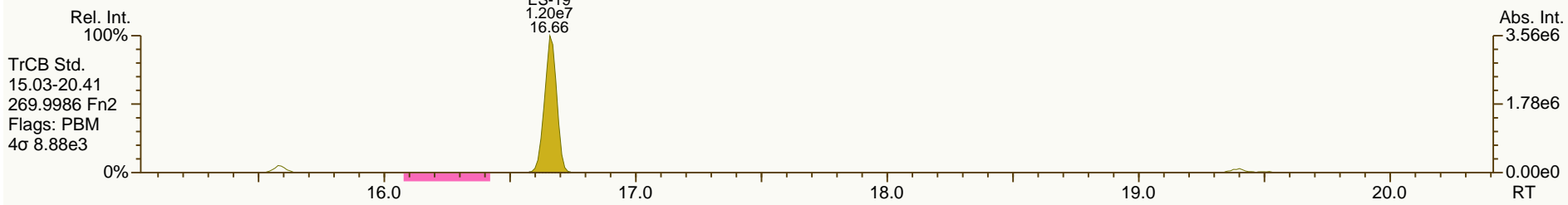
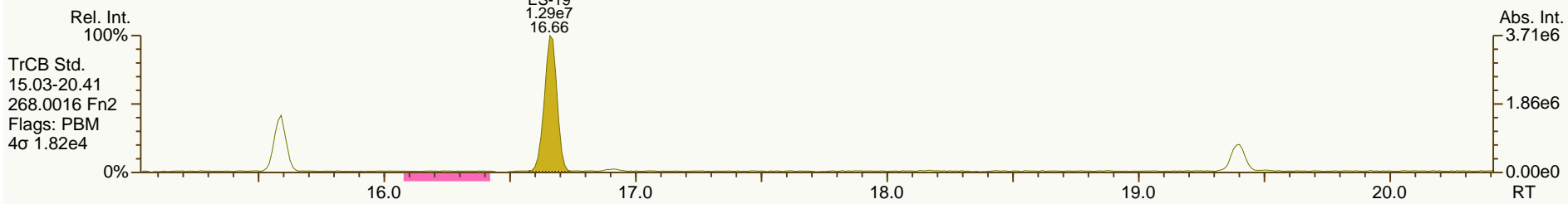
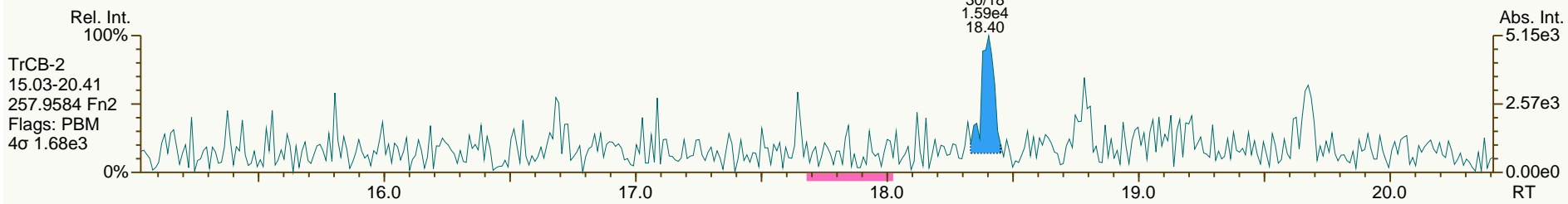
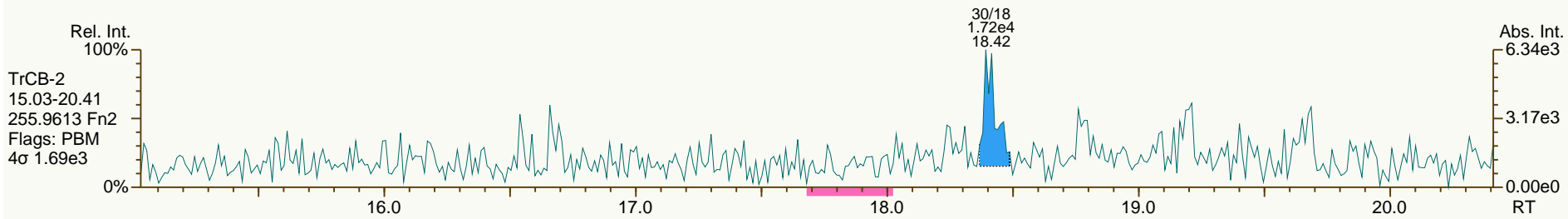
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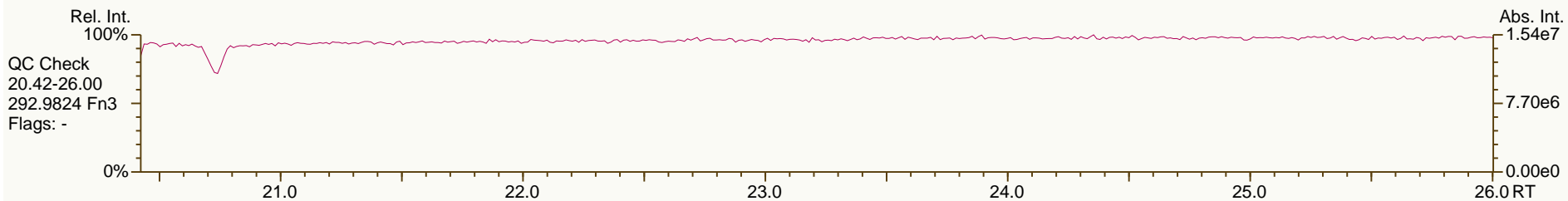
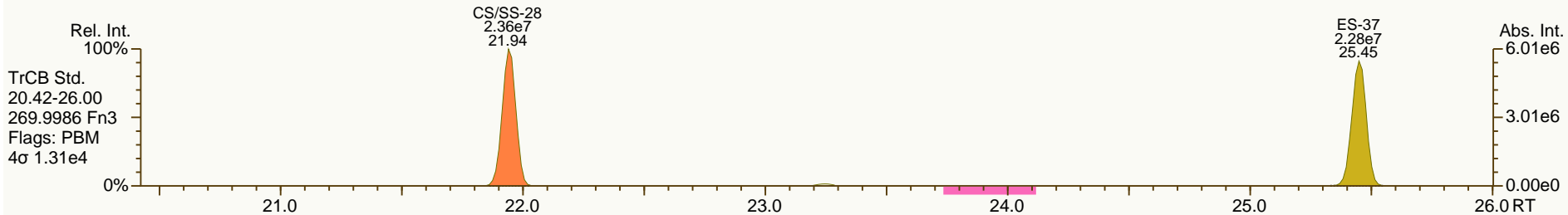
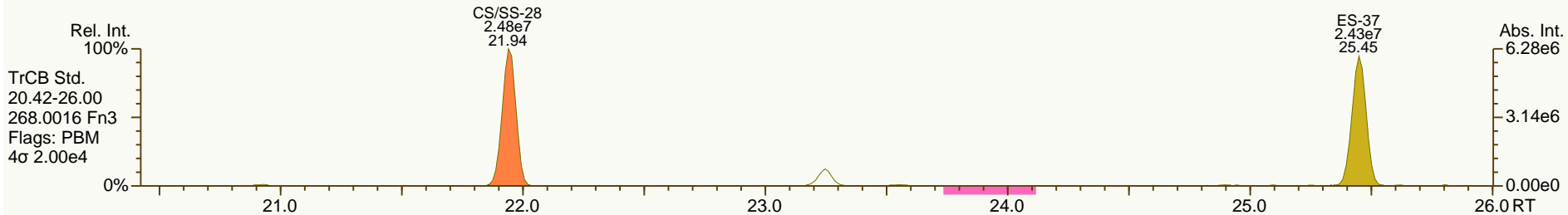
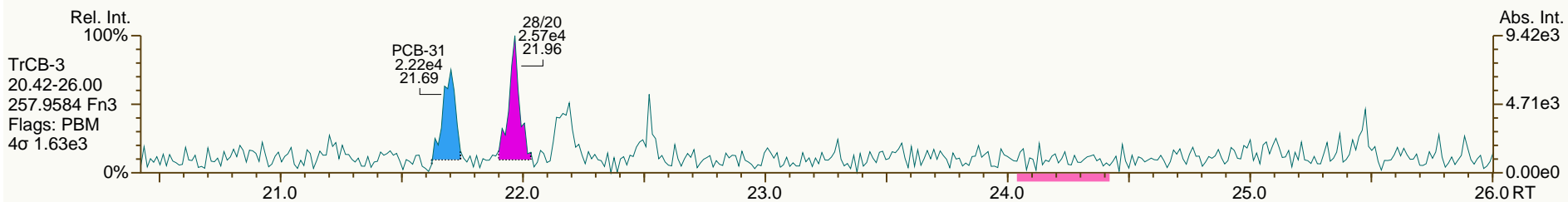
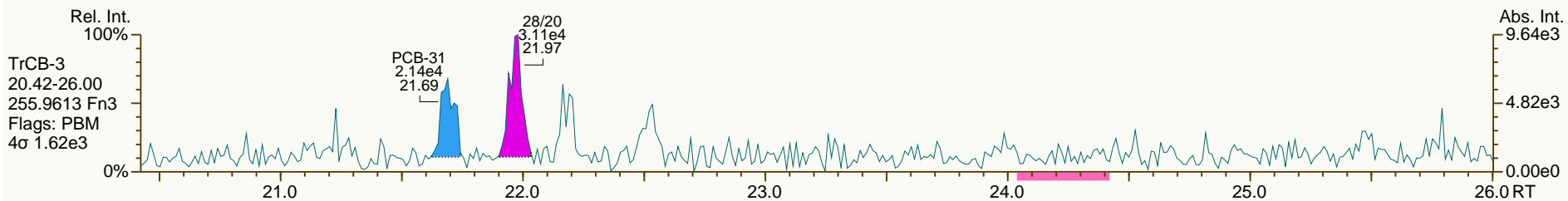
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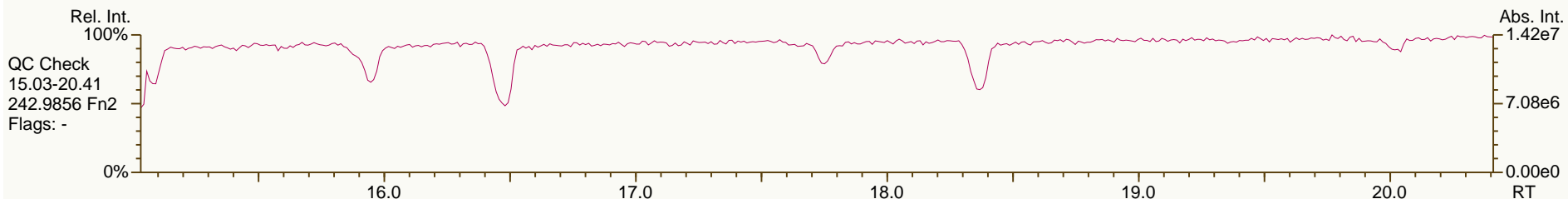
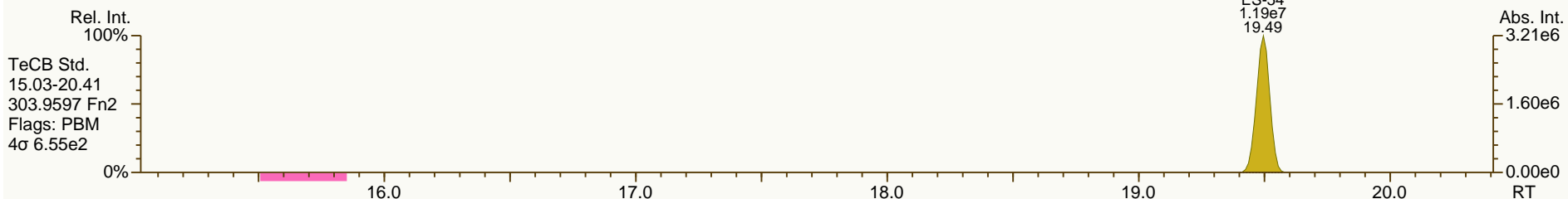
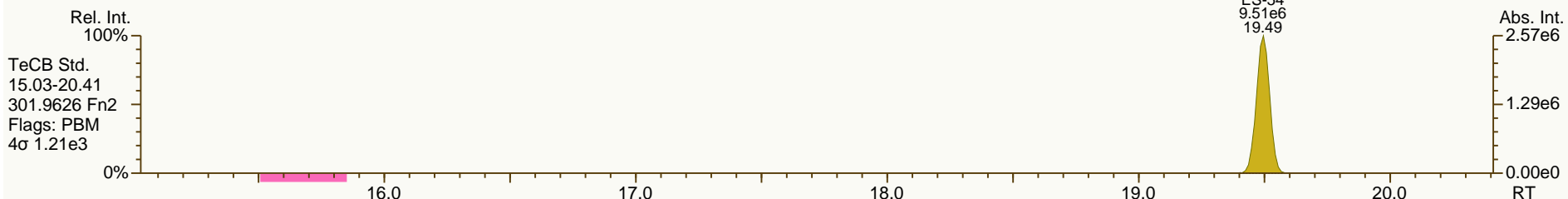
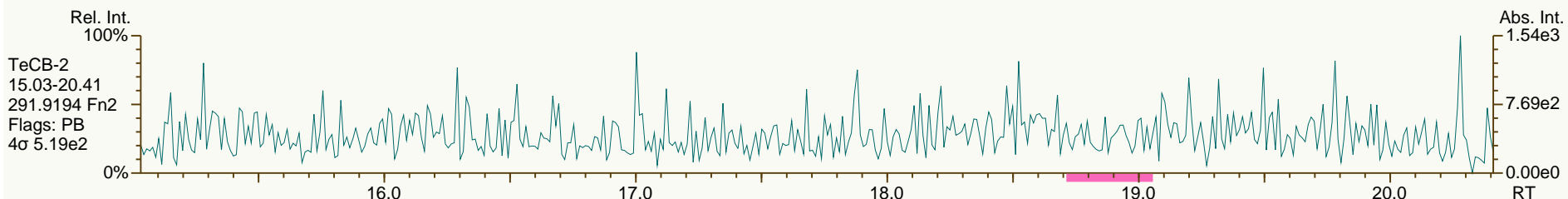
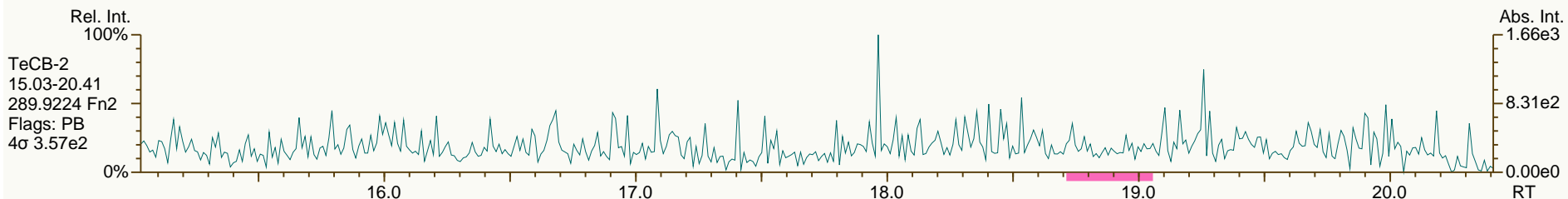
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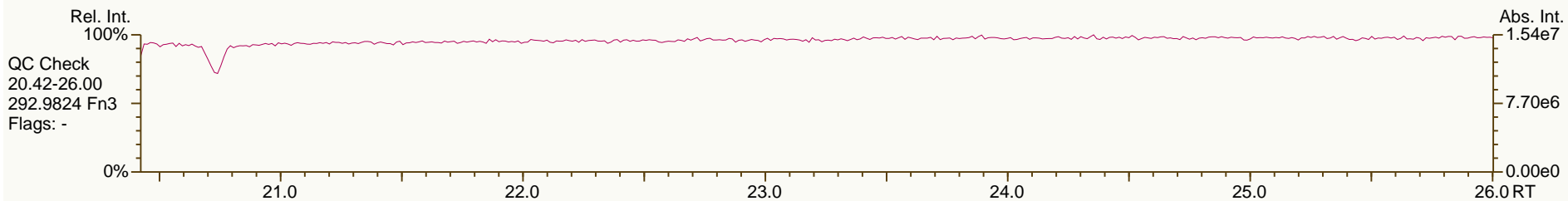
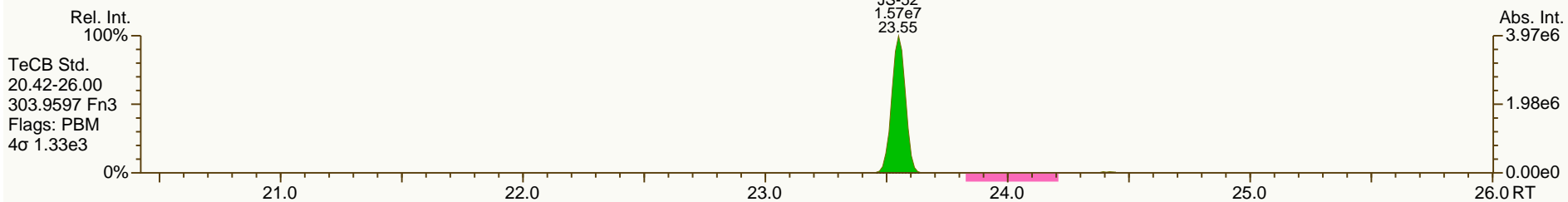
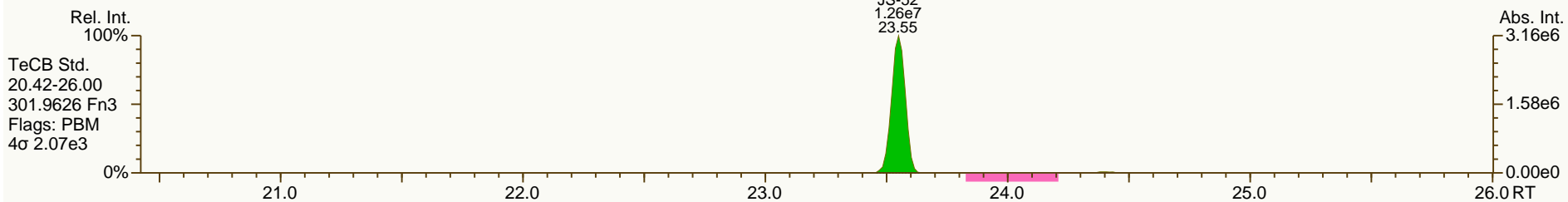
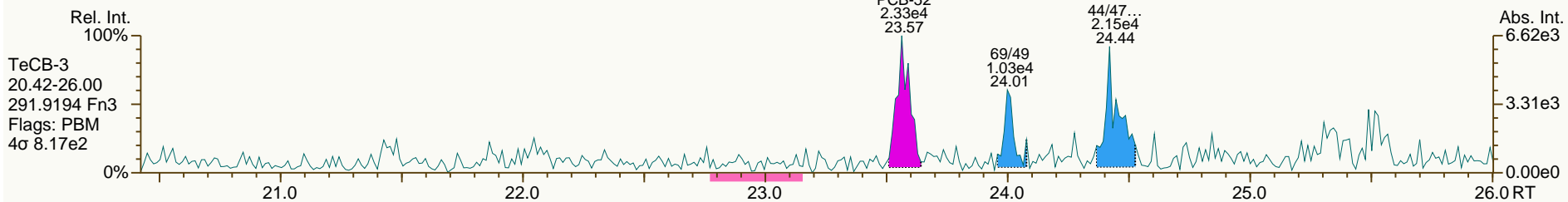
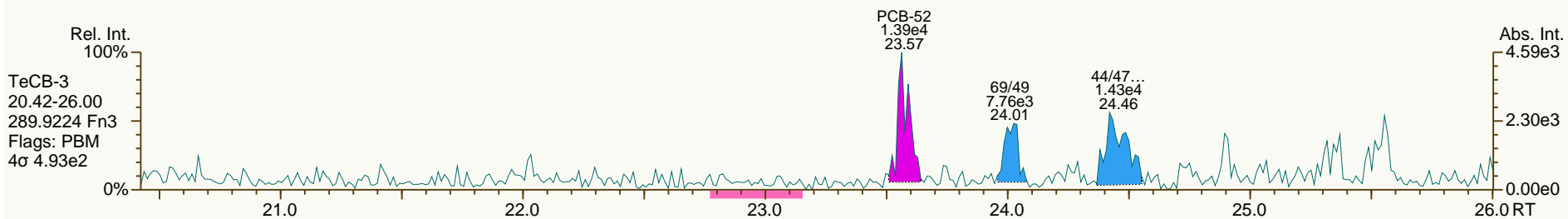
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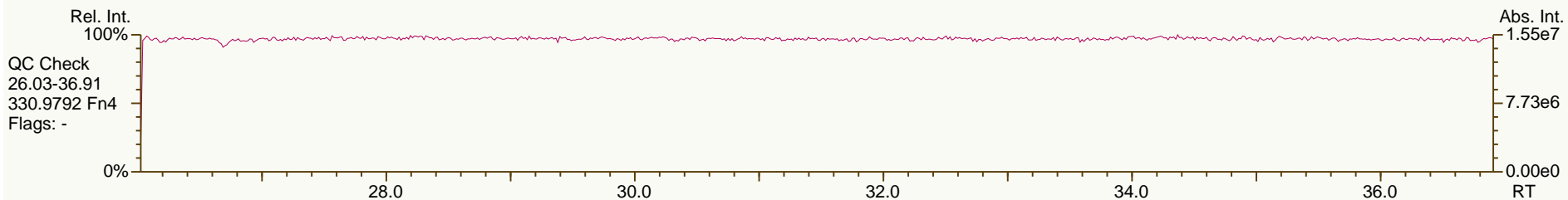
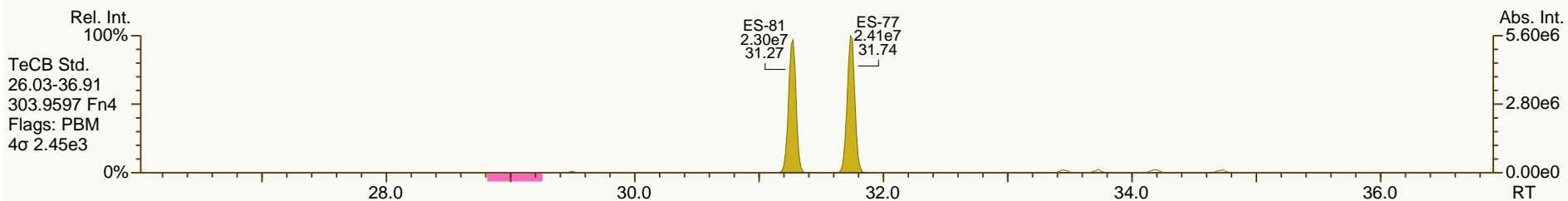
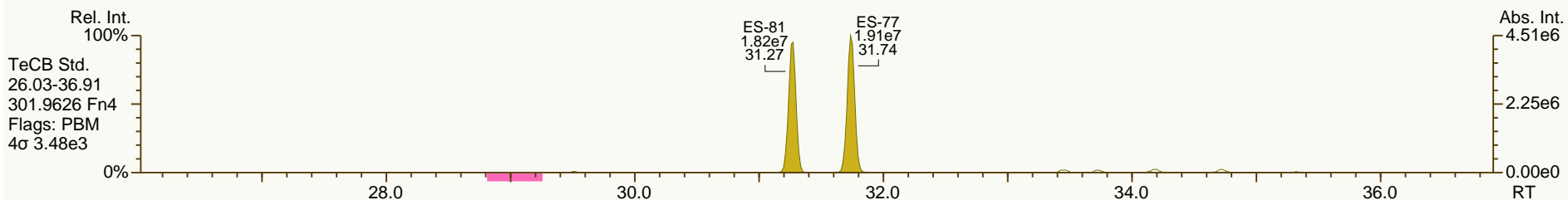
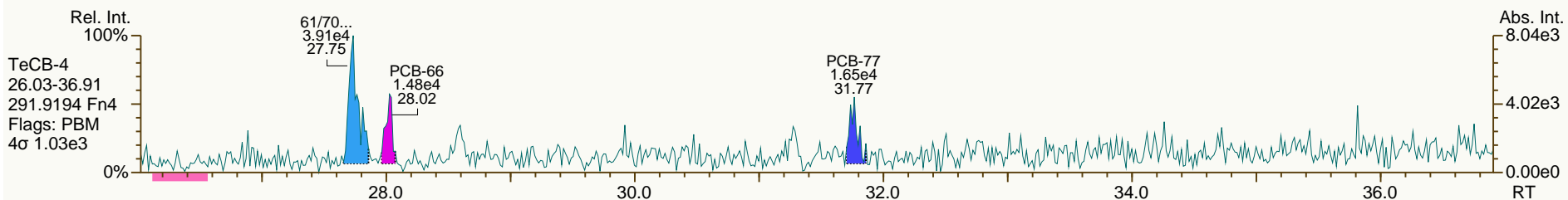
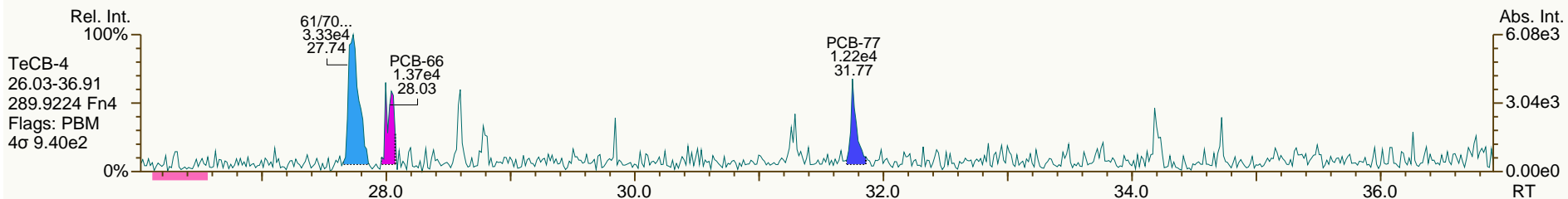
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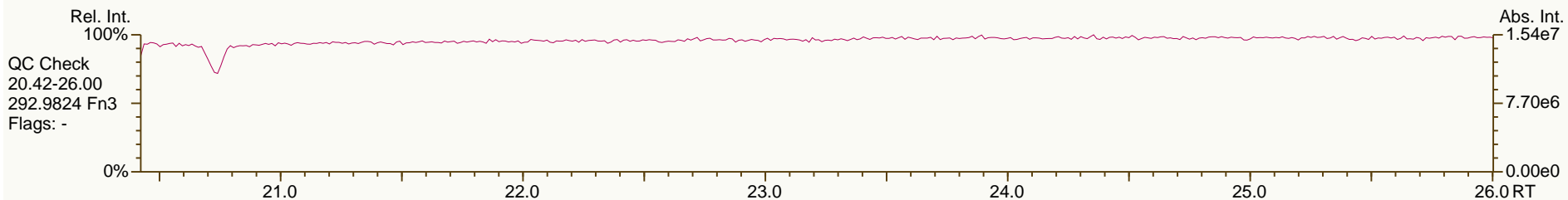
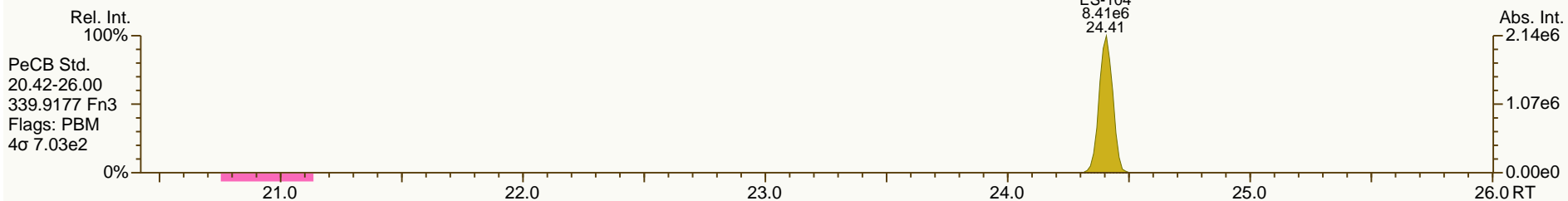
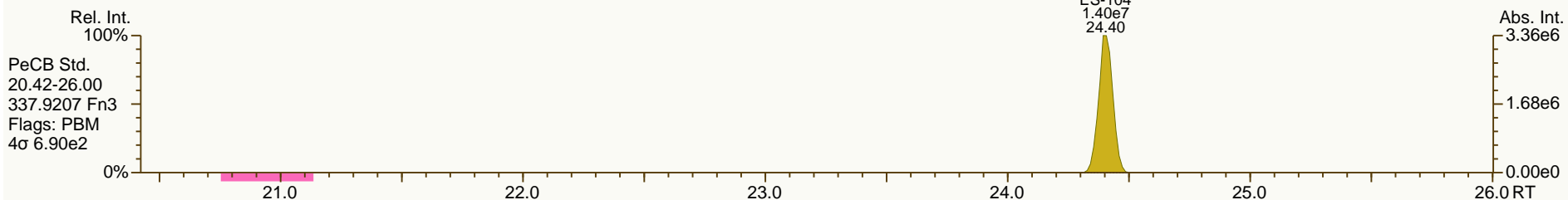
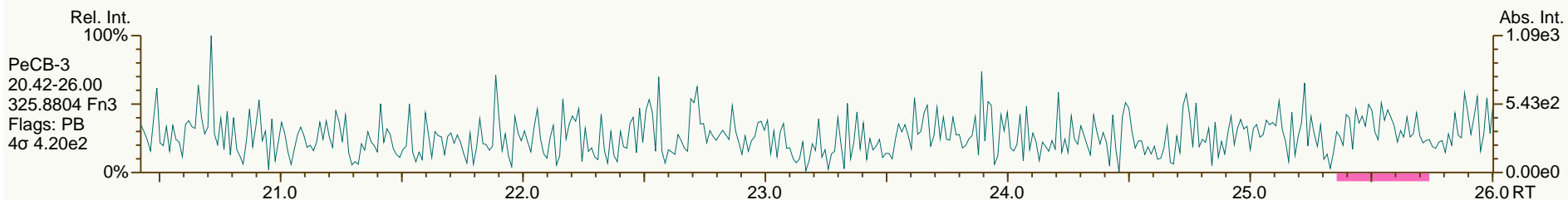
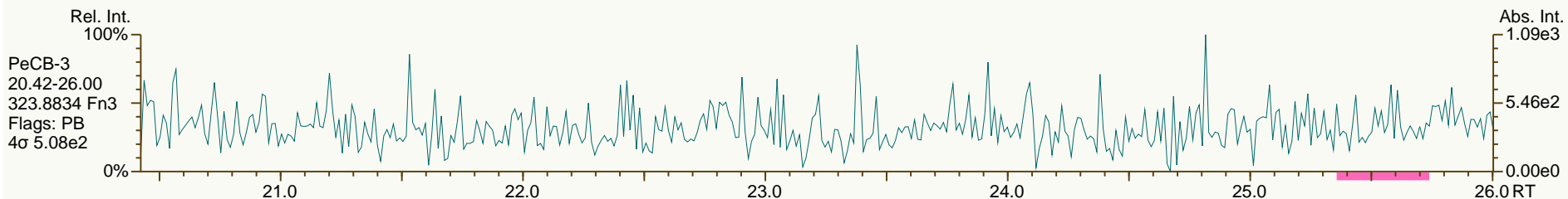
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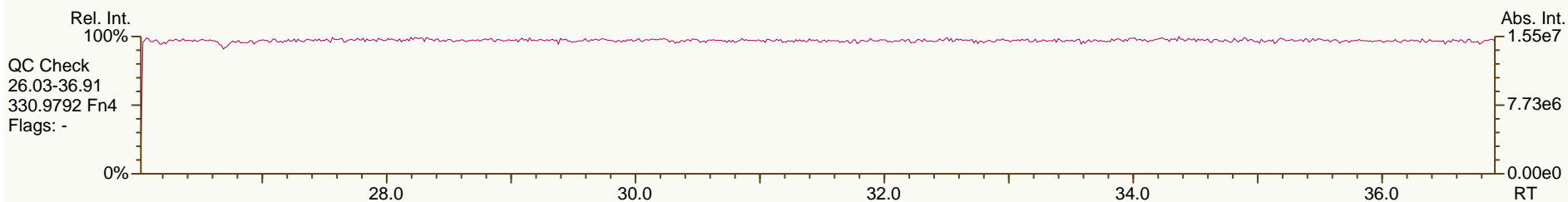
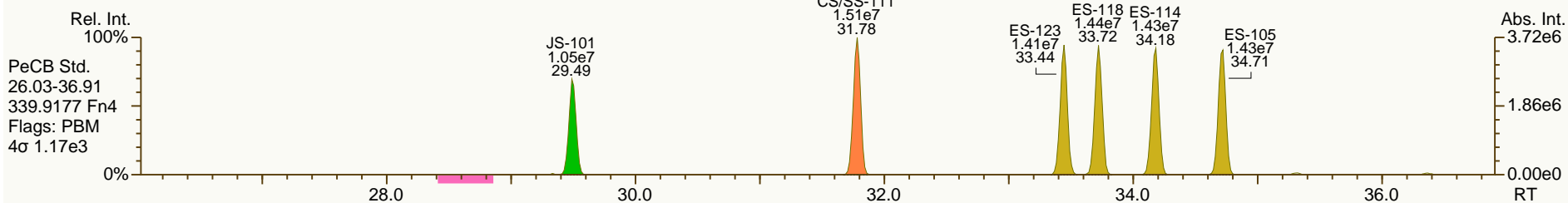
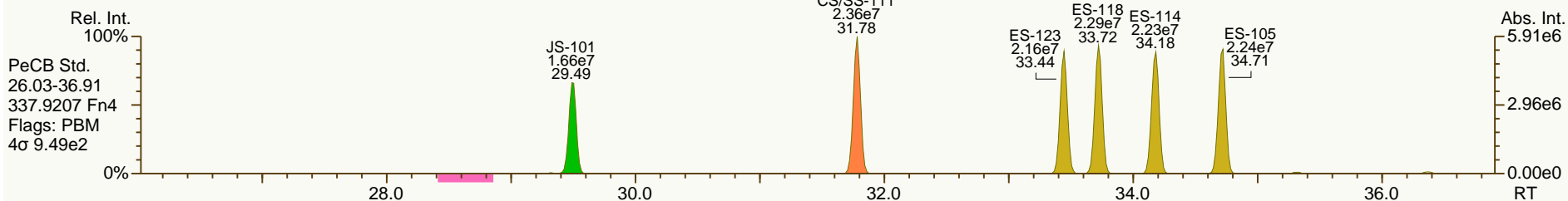
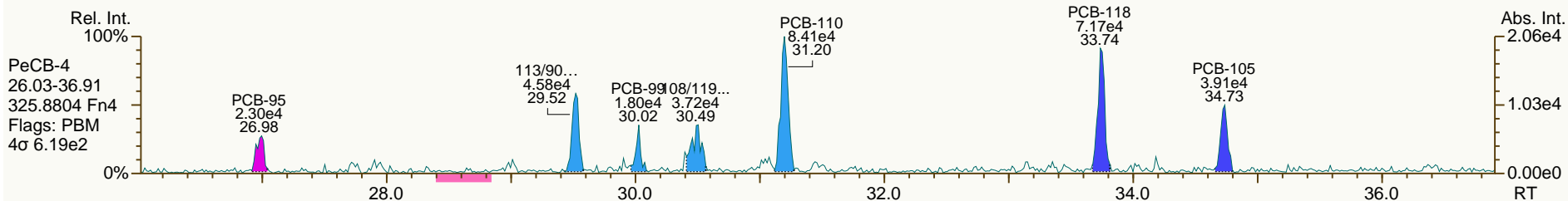
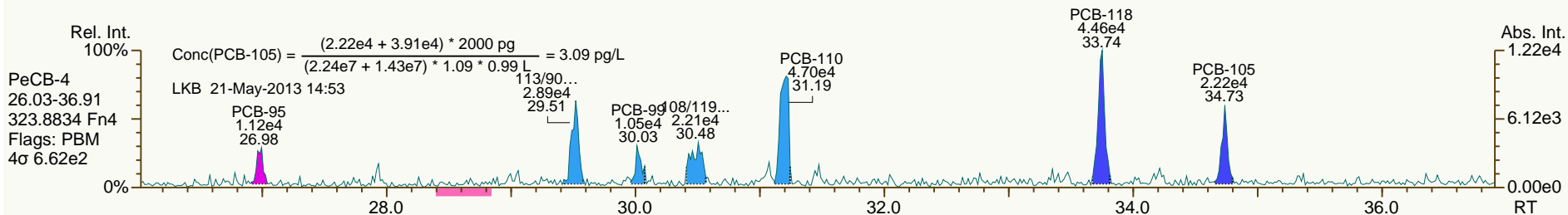
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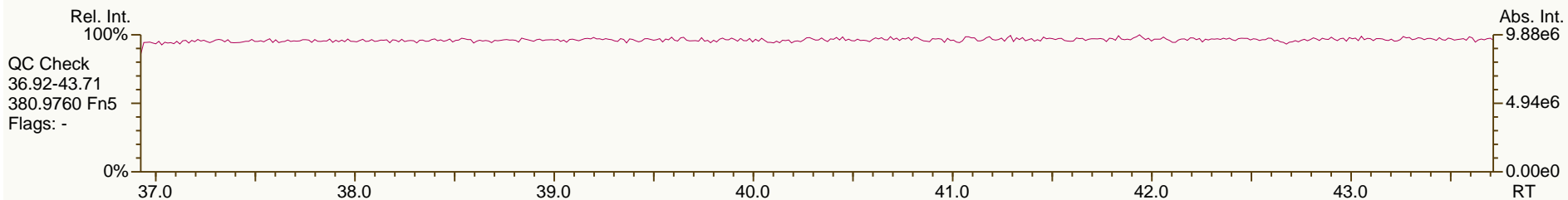
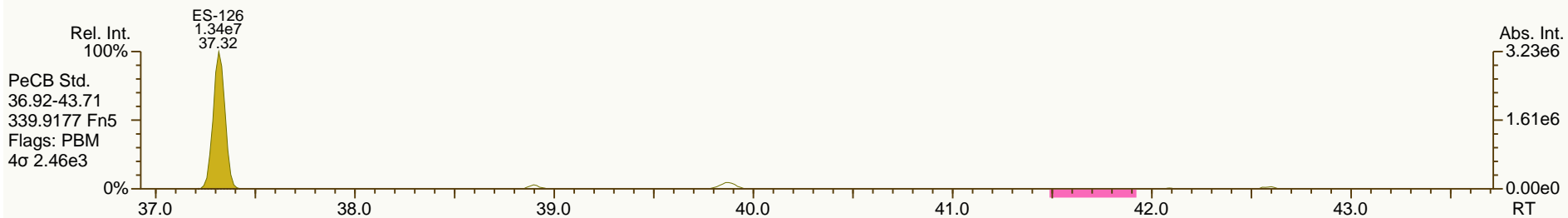
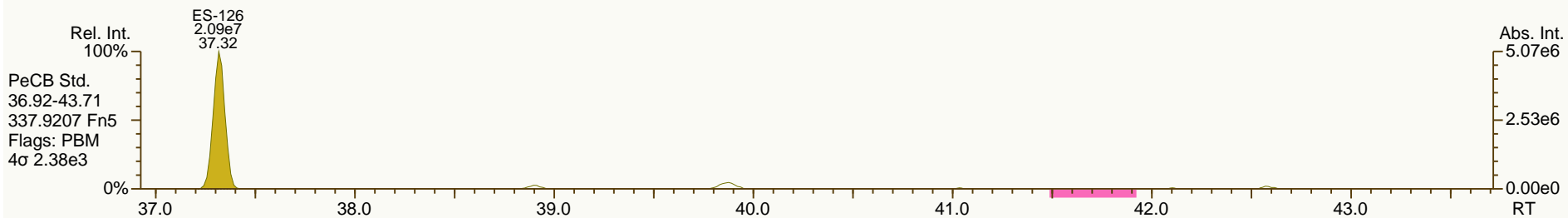
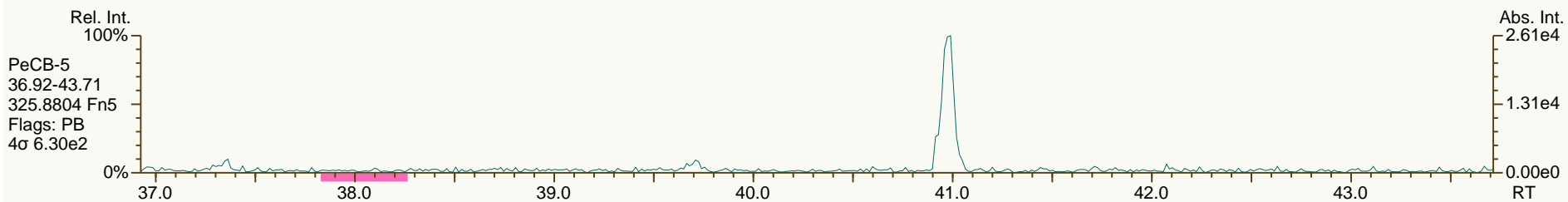
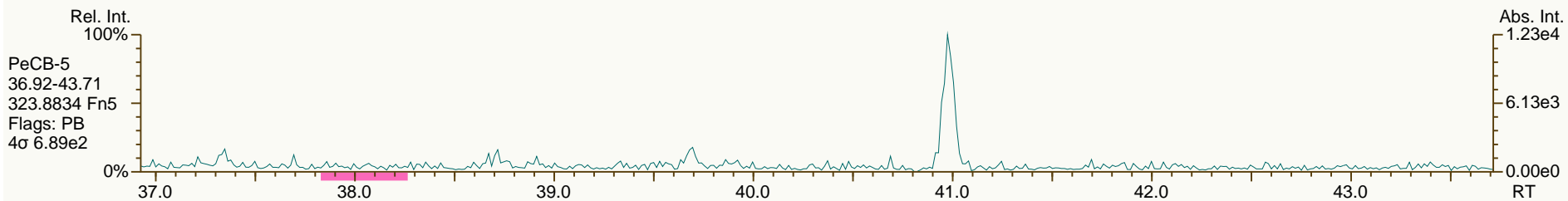
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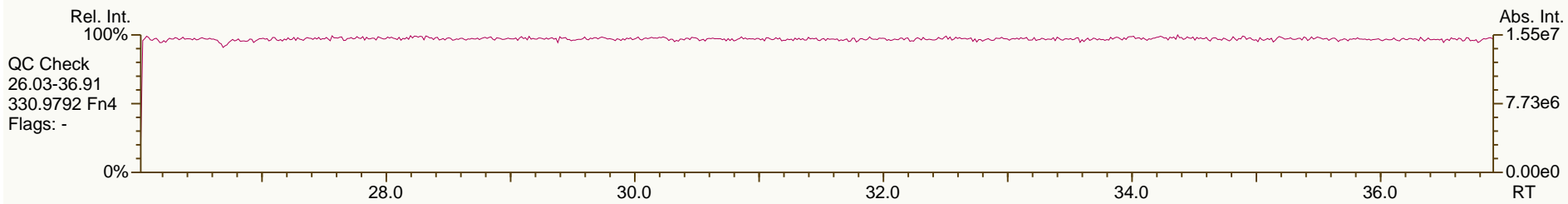
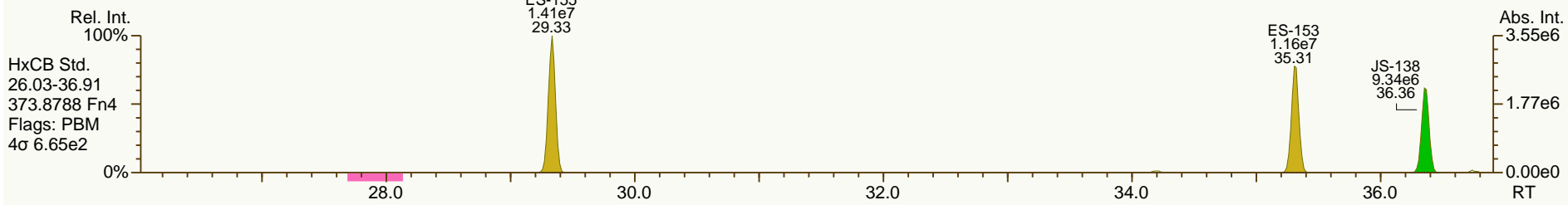
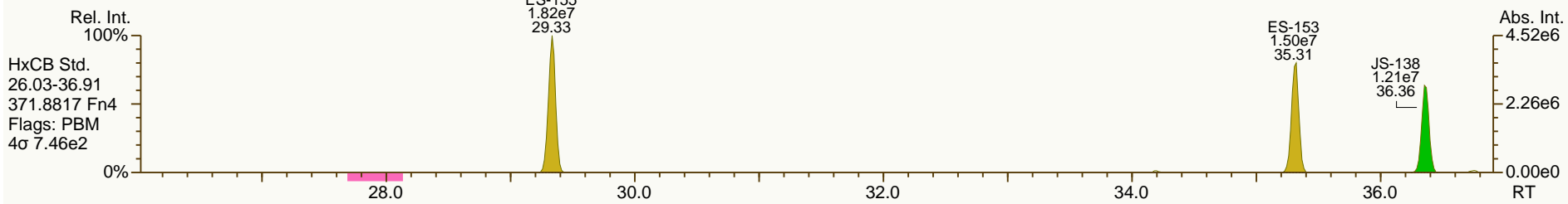
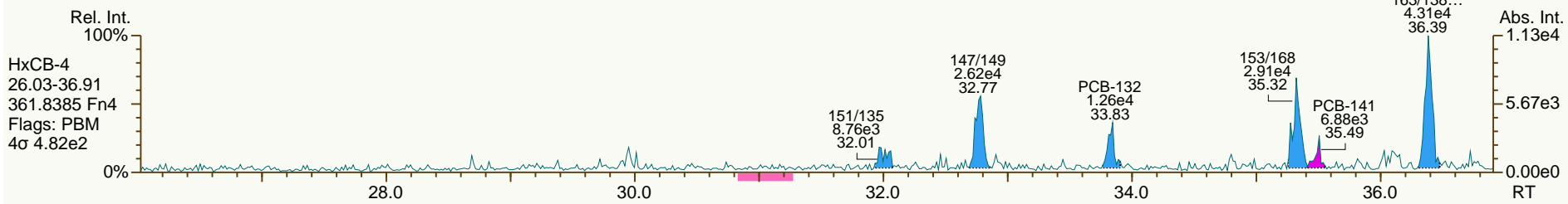
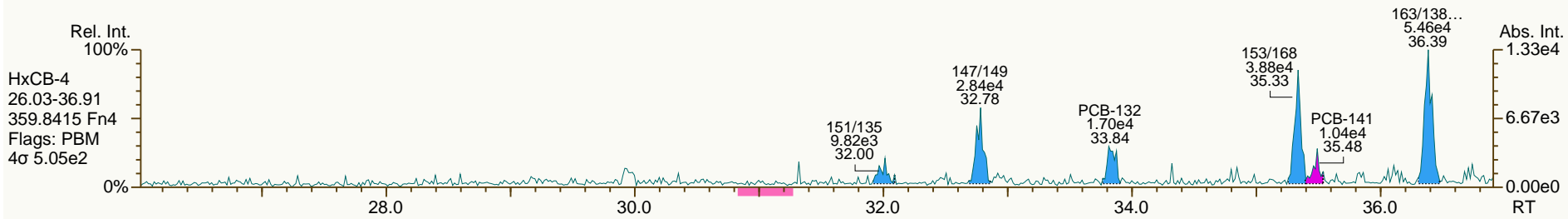
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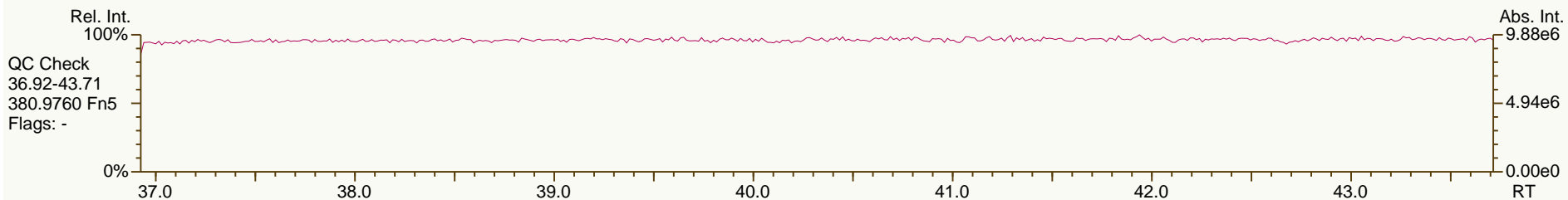
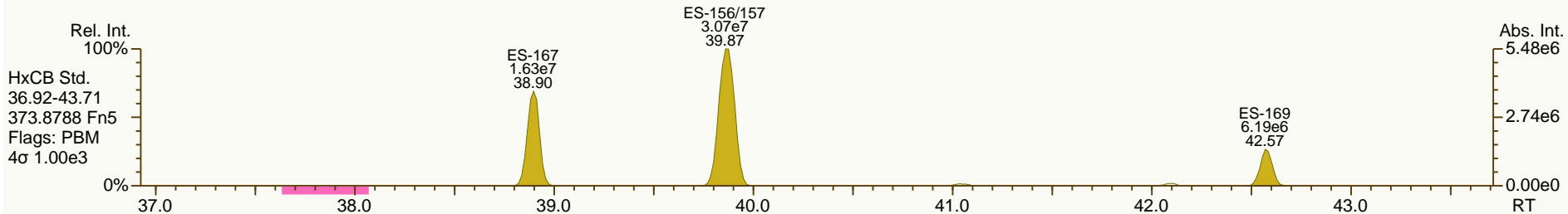
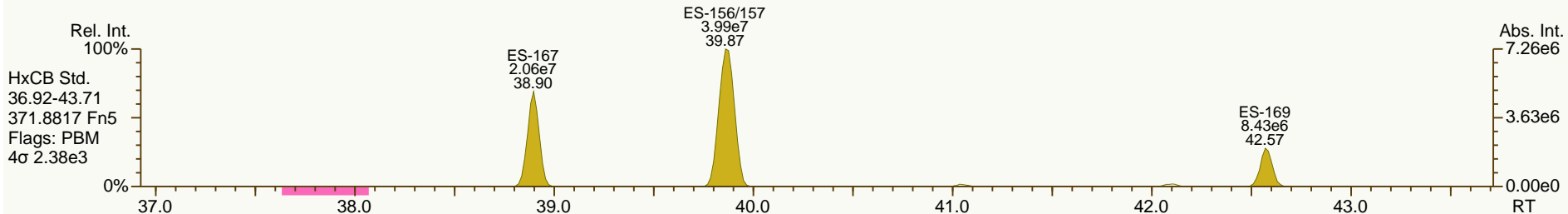
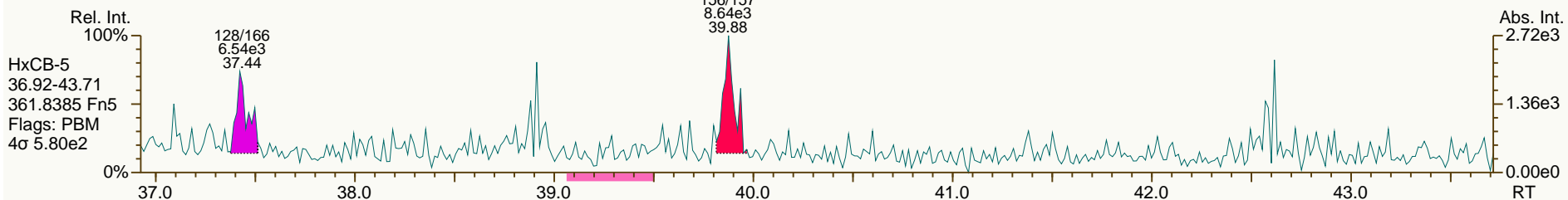
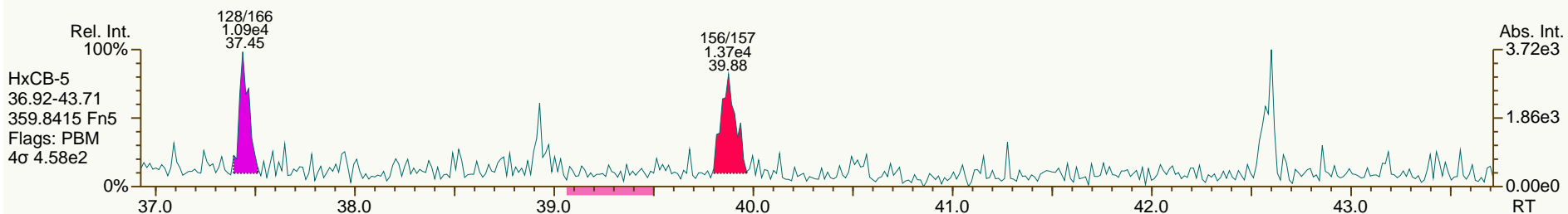
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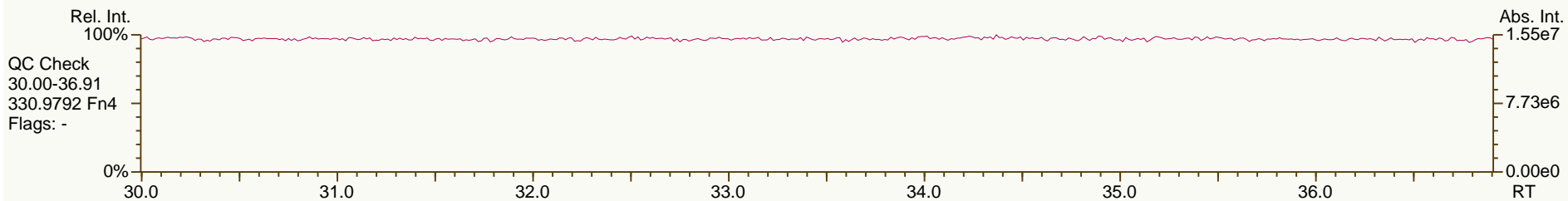
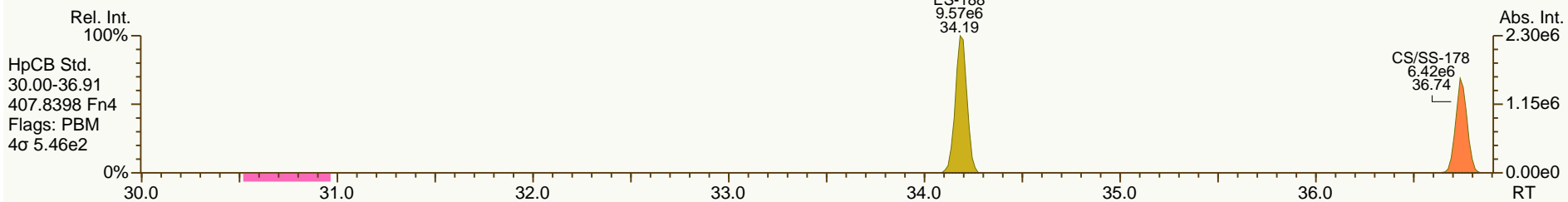
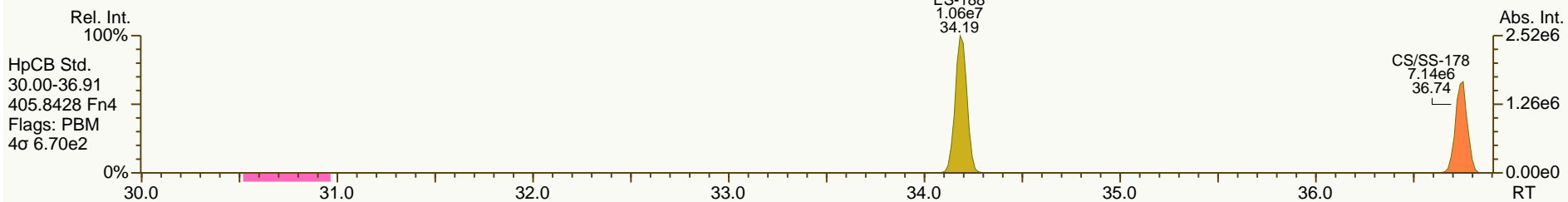
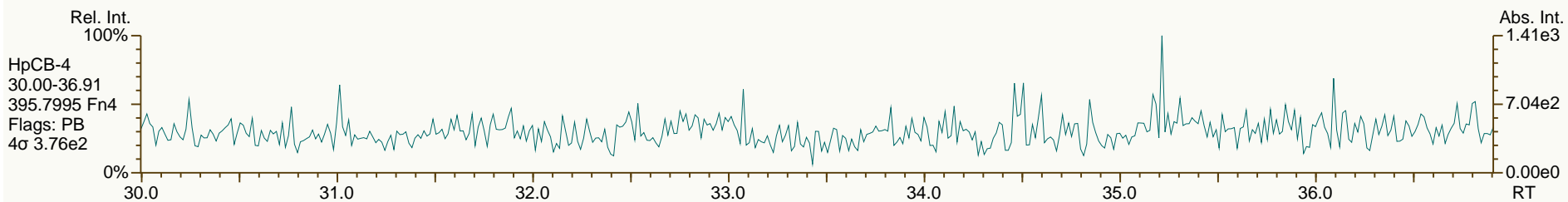
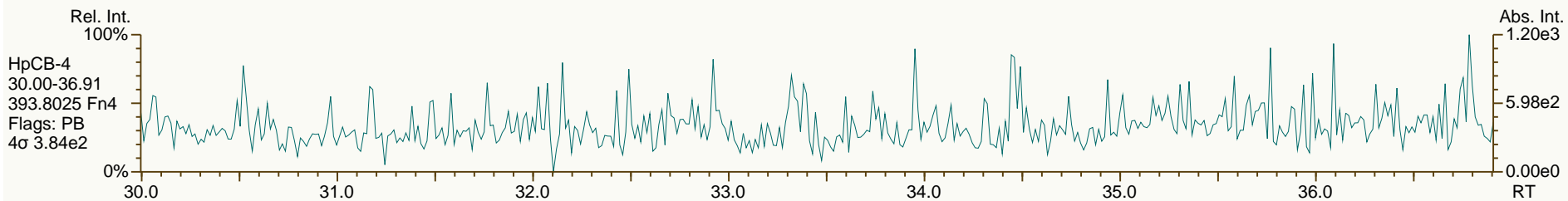
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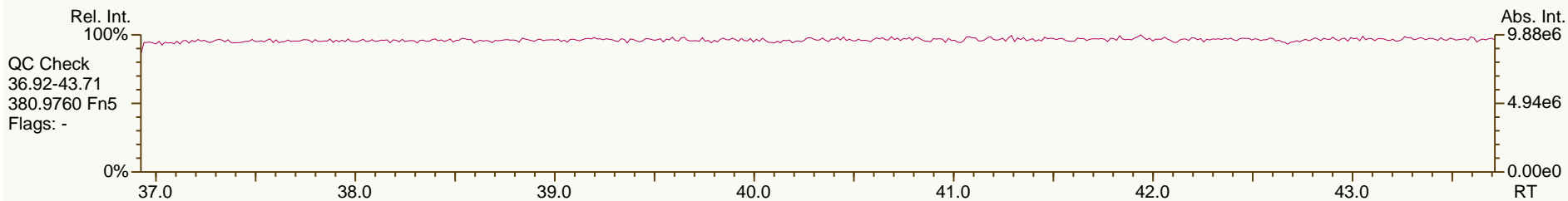
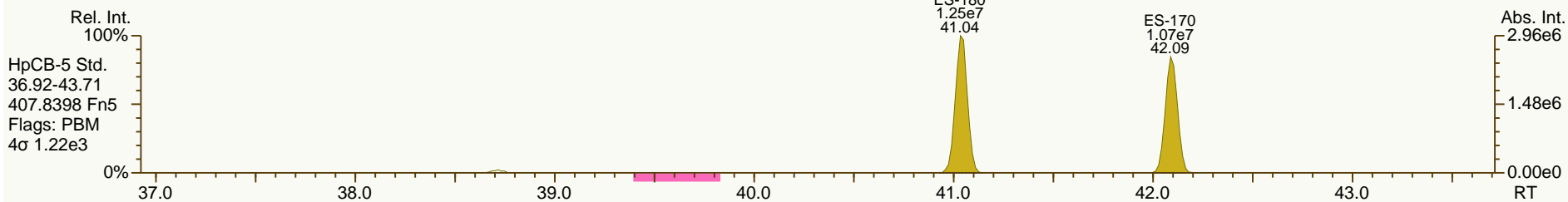
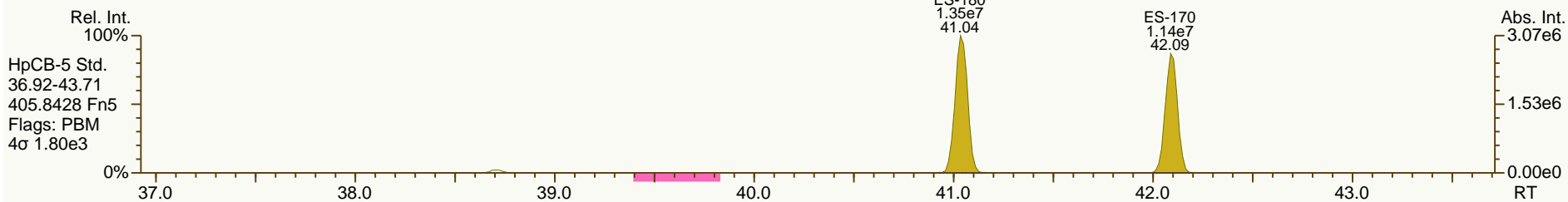
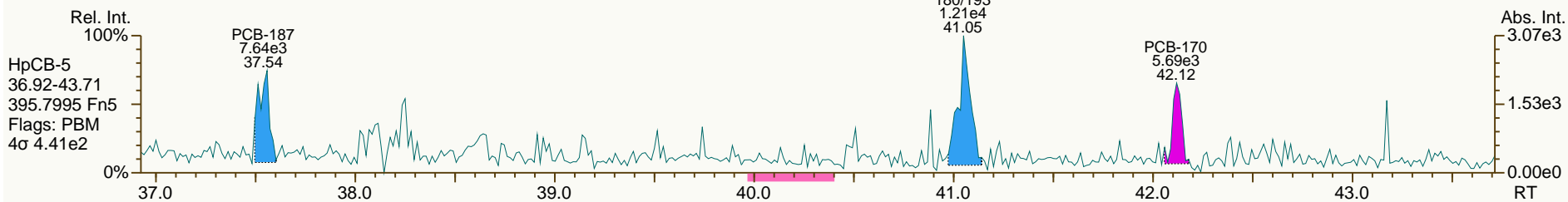
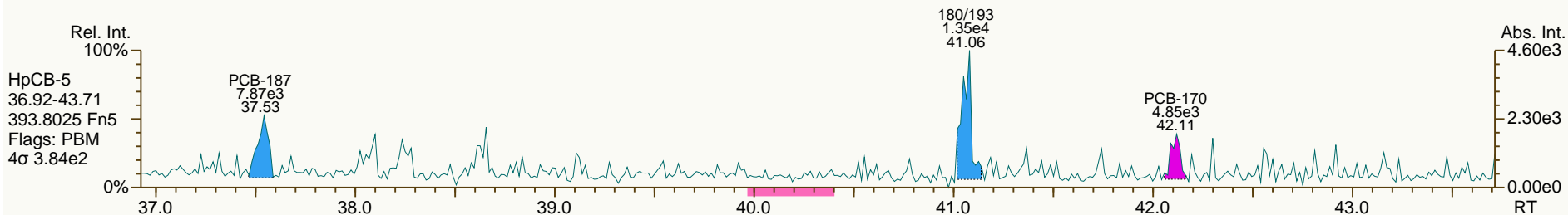
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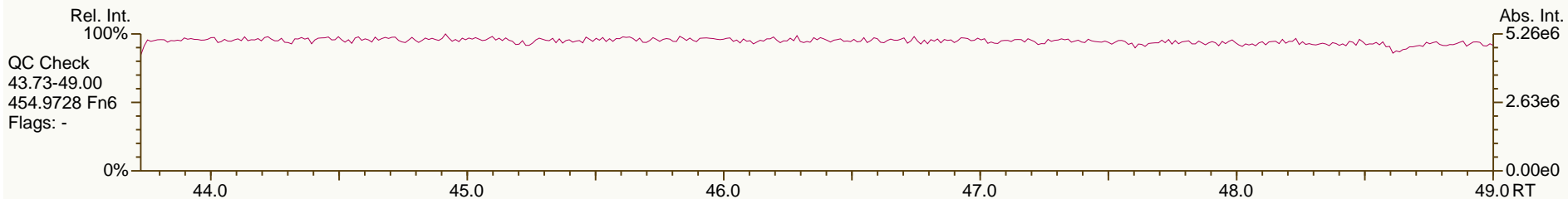
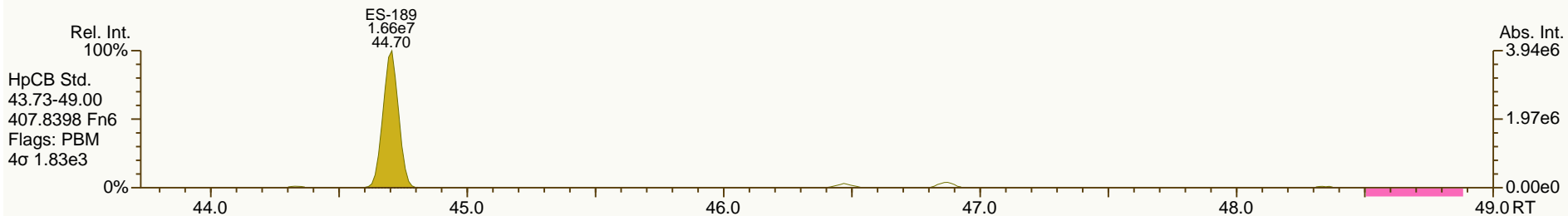
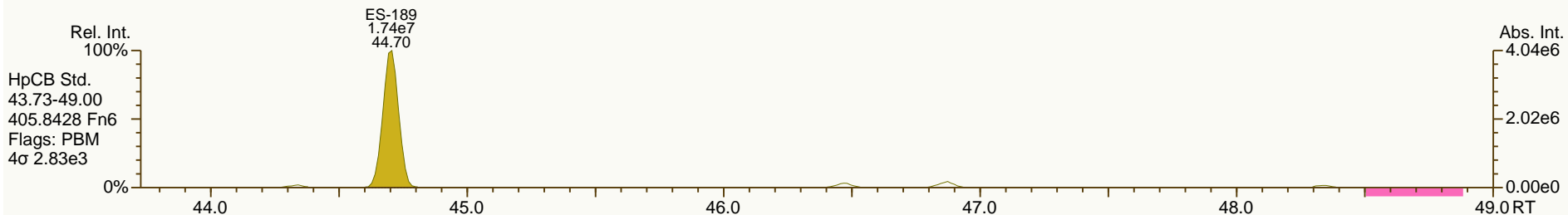
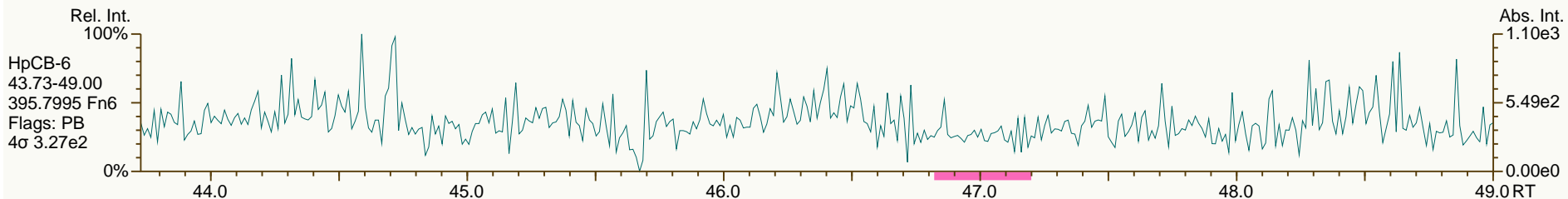
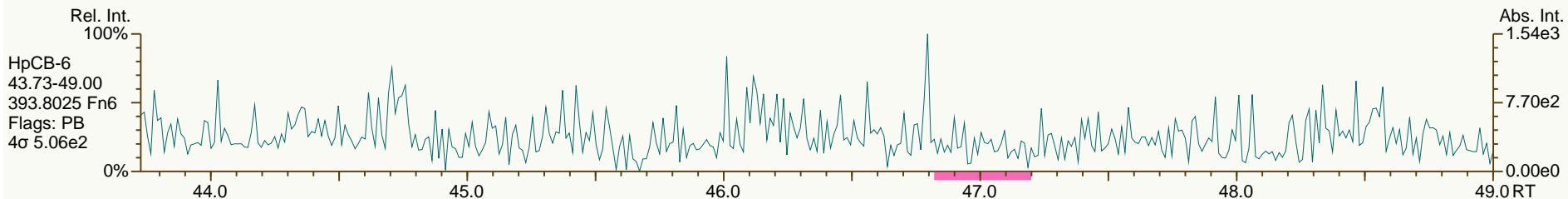
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

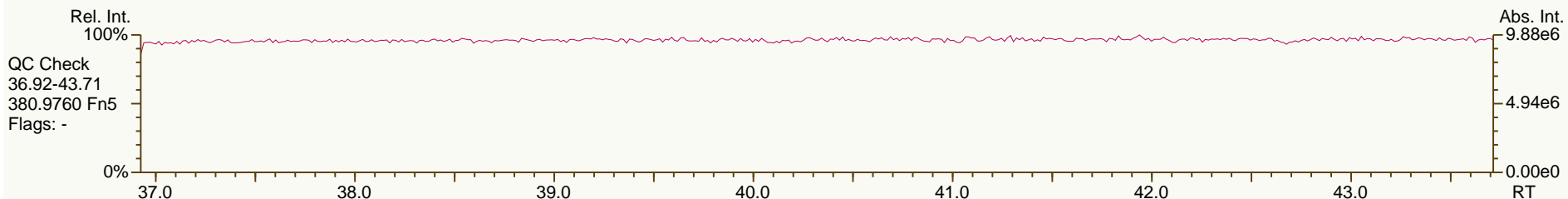
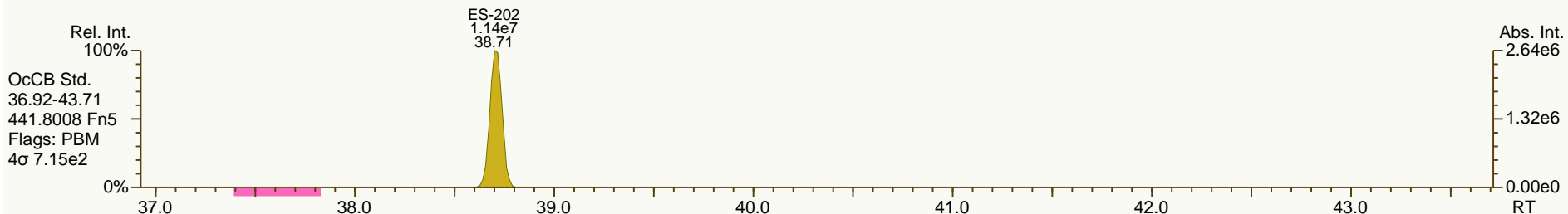
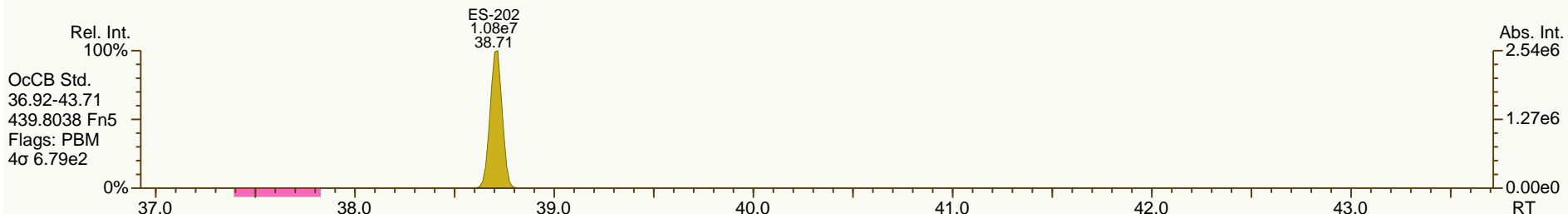
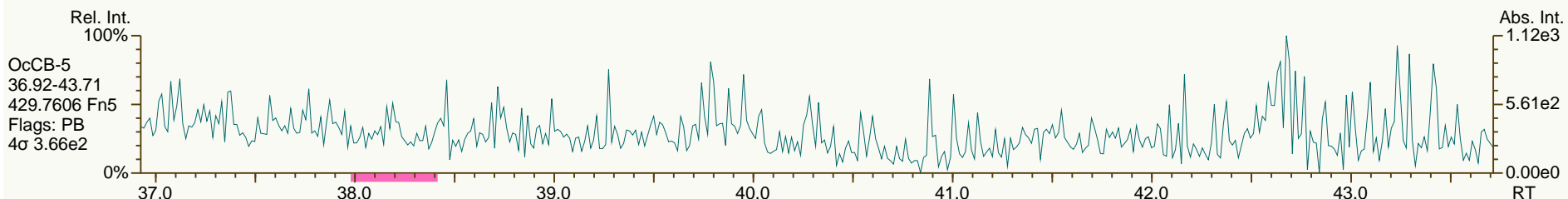
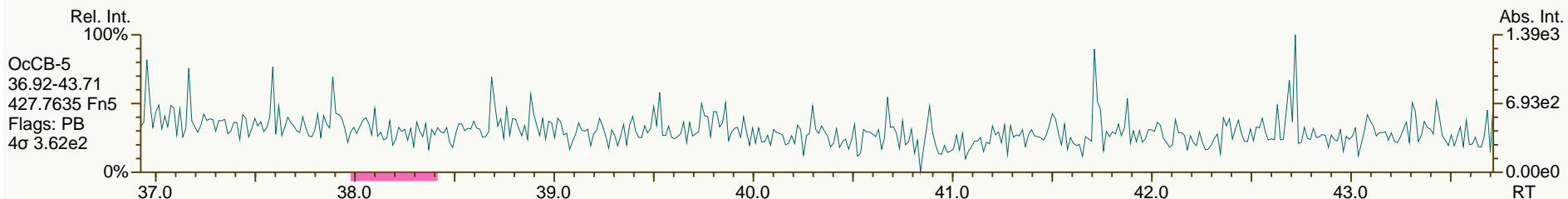
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

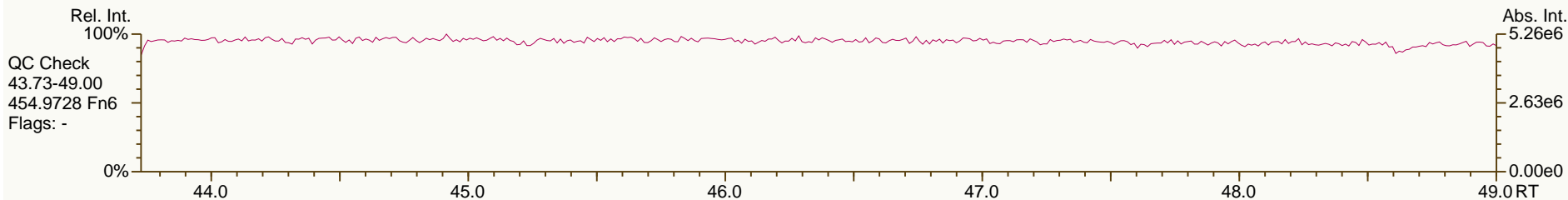
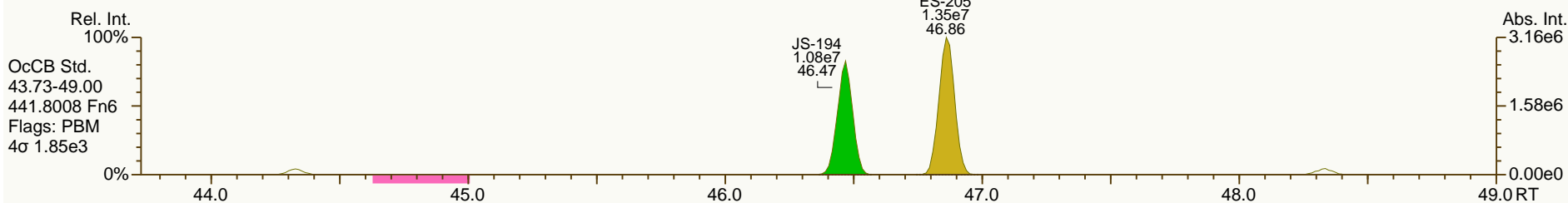
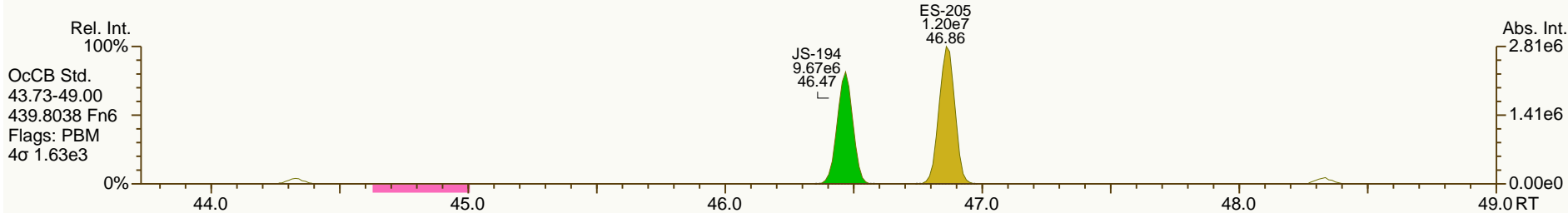
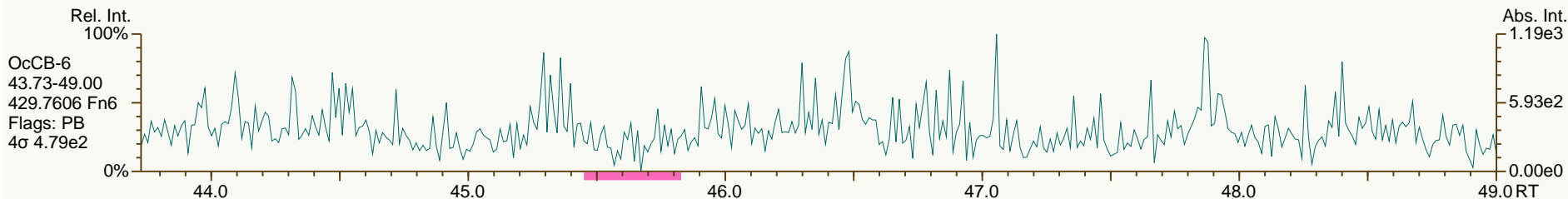
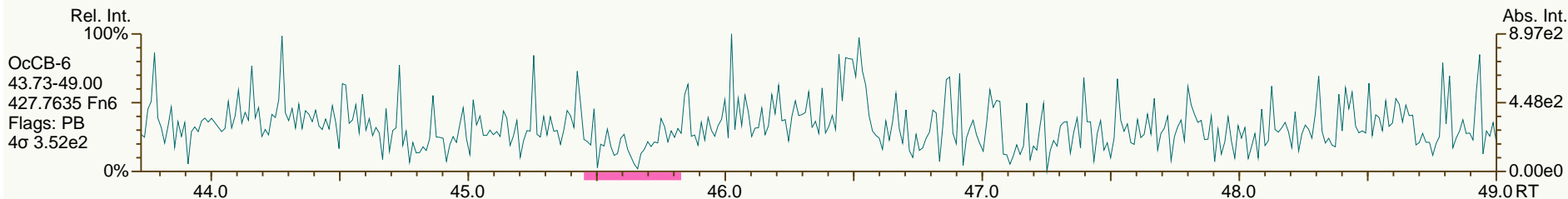
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

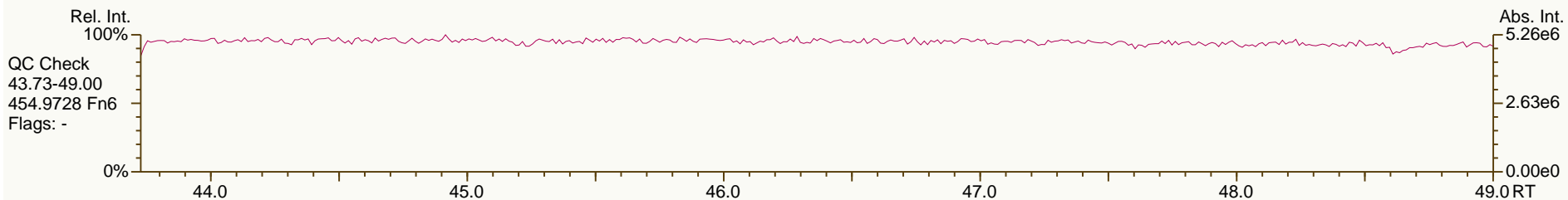
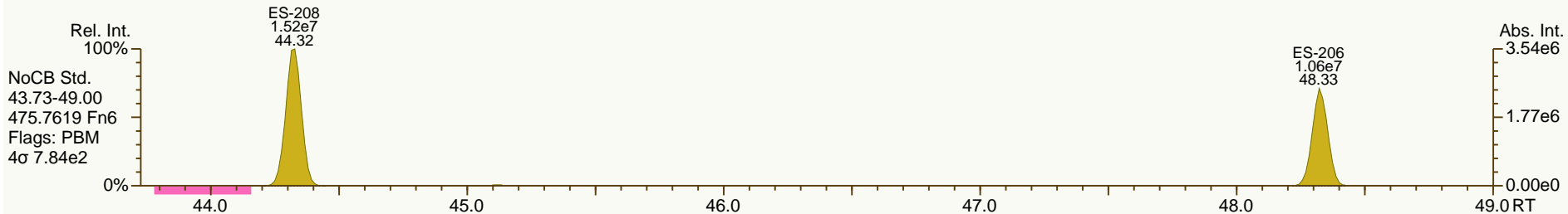
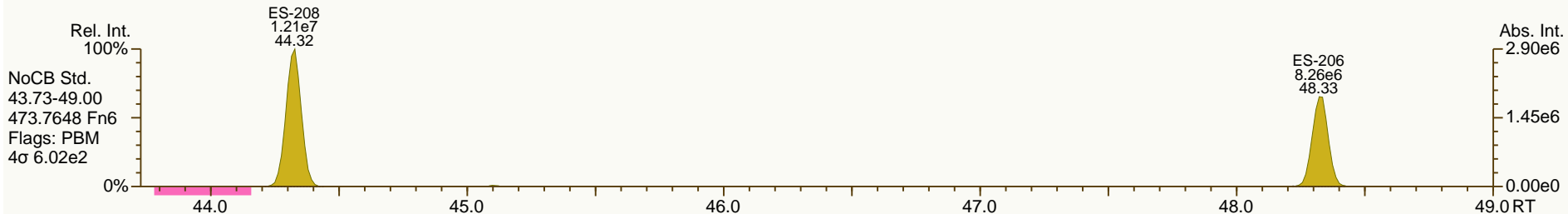
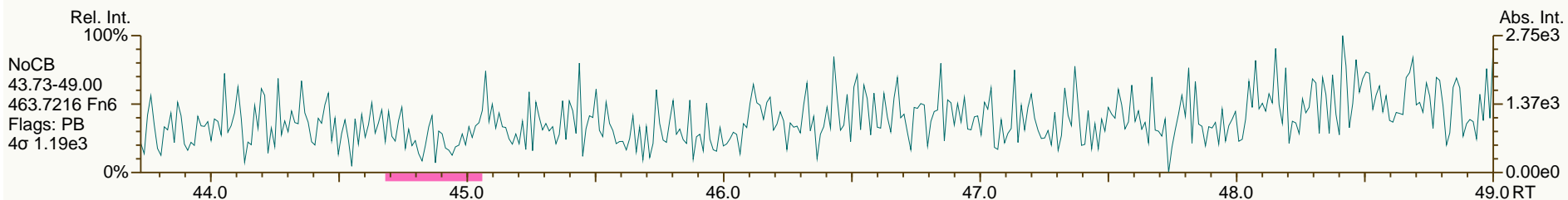
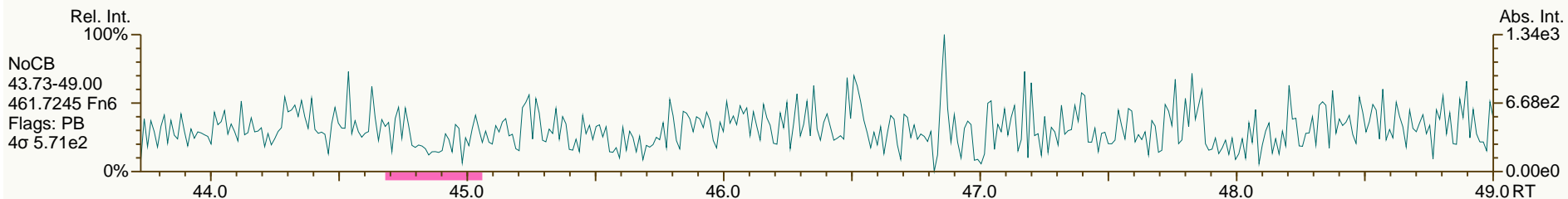
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

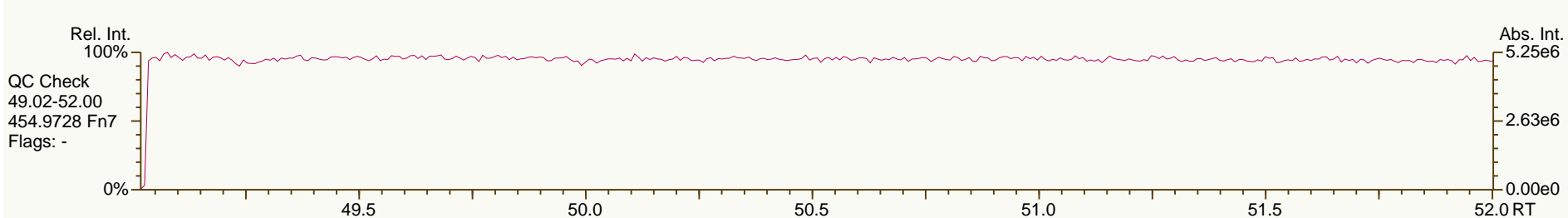
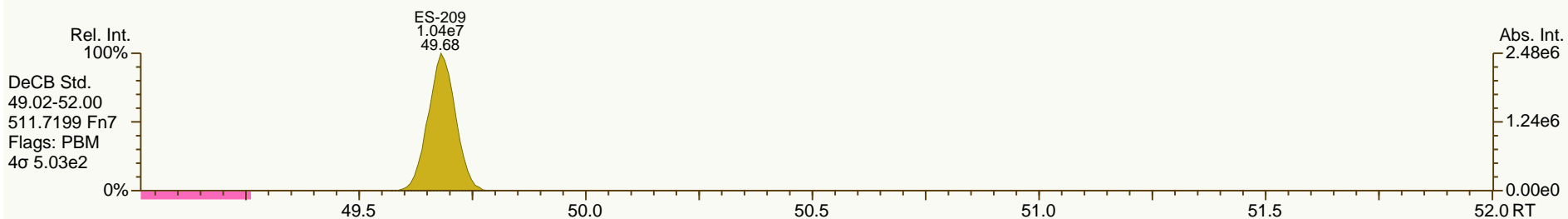
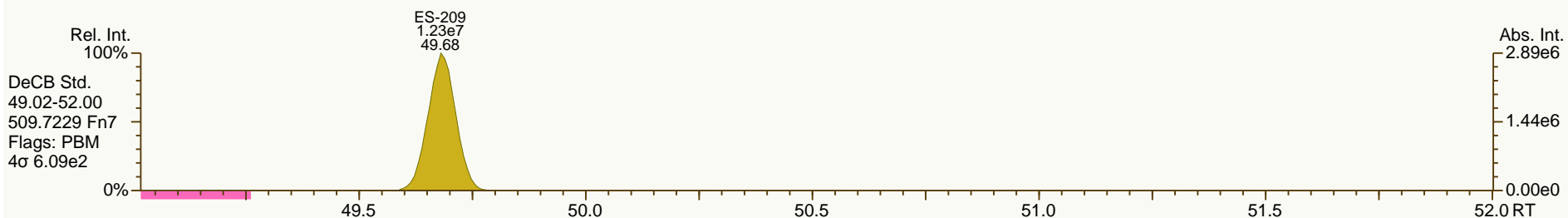
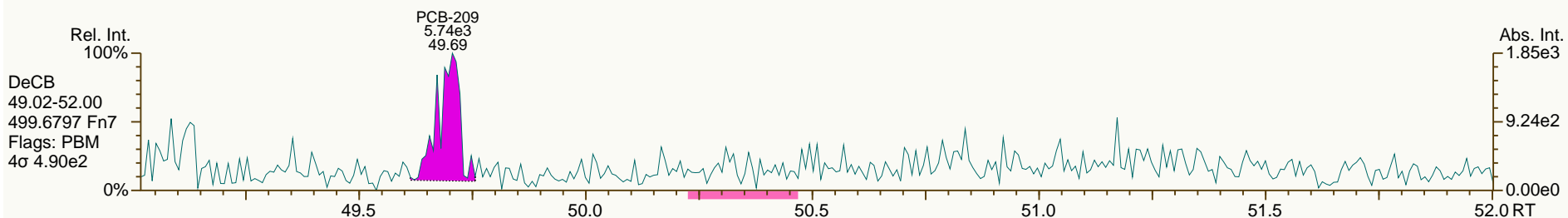
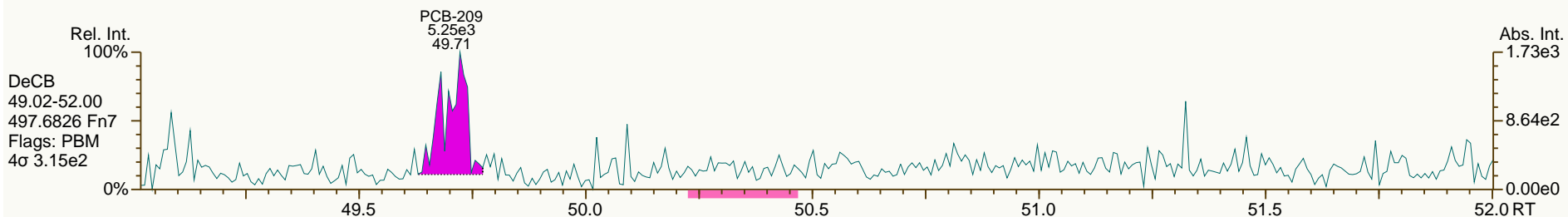
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SGS-AP ID: A5462_10924_PCB_001
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSRB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 24

Acq: 18-May-2013 20:35:05
 User: LKB Datafile: 130519X07



Lab ID: A5462_10924_PCB_002

ACQ: 18-May-2013 21:30:05 LKB Wt/Vol: 0.98 L

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: JW-SSFB-130429

UTP: 21-May-2013 14:31 LKB

J-level: 10.2 pg/L Split: 1

Checkcode: 232-755-RXY

Datafile: 130519X08

RPT: 21-May-2013 14:48 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.88E+03	0.89
PCB-81 344'5'-TeCB	NotFnd		1.0006	-		0.00E+00		1.13	ND	1.88E+03	0.974
PCB-105 233'44'-PeCB	34.73	J B EMPC	1.0007	1.0005	-0.4	4.76E+04	0.77	1.09	2.56	1.35E+03	0.762
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	1.35E+03	0.727
PCB-118 23'44'5'-PeCB	33.74	J B	1.0007	1.0006	-0.2	1.03E+05	0.54	1.11	5.37	1.35E+03	0.709
PCB-123 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.19	ND	1.35E+03	0.709
PCB-126 33'44'5'-PeCB	NotFnd		1.0005	-		0.00E+00		1.06	ND	1.24E+03	0.783
PCB-156/157 ...-HxCB	39.87	J B EMPC	1.0005	1.0002	-0.7	3.15E+04	1.00	1.11	1.73	1.07E+03	0.802
PCB-167 23'44'55'-HxCB	NotFnd		1.0006	-		0.00E+00		1.14	ND	1.07E+03	0.587
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.07E+03	1.84
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.06	ND	9.38E+02	0.606
PCB-209 DeCB	49.70	J B EMPC	1.0004	1.0004	0	9.23E+03	1.36	1.07	0.833	7.42E+02	0.741
ES PCB-1	11.25		0.7215	0.7216	+0.1	3.66E+07	3.08	1.08	72.3 %	25%	150%
ES PCB-3	13.43		0.8617	0.8616	-0.1	3.98E+07	3.15	1.08	78.6 %	25%	150%
ES PCB-4	13.67		0.8773	0.8772	-0.1	2.15E+07	1.63	0.49	94.1 %	25%	150%
ES PCB-15	19.21		1.2321	1.2328	+0.8	4.85E+07	1.59	1.11	93.5 %	25%	150%
ES PCB-19	16.66		1.0682	1.0690	+0.8	2.27E+07	1.06	0.55	87.4 %	25%	150%
ES PCB-37	25.45		1.0804	1.0807	+0.5	4.46E+07	1.06	1.64	84.5 %	25%	150%
ES PCB-54	19.49		0.8282	0.8278	-0.5	2.04E+07	0.80	0.94	67.2 %	25%	150%
ES PCB-77	31.74		1.3465	1.3478	+2.5	4.09E+07	0.79	1.35	94.1 %	25%	150%
ES PCB-81	31.26		1.3265	1.3277	+2.3	3.85E+07	0.80	1.29	92.6 %	25%	150%
ES PCB-104	24.40		0.8280	0.8275	-0.7	2.05E+07	1.68	0.99	67.3 %	25%	150%
ES PCB-105	34.71		1.1764	1.1770	+1.2	3.45E+07	1.59	1.23	91.1 %	25%	150%
ES PCB-114	34.17		1.1583	1.1588	+1.0	3.37E+07	1.58	1.25	87.9 %	25%	150%
ES PCB-118	33.72		1.1428	1.1433	+1.0	3.54E+07	1.56	1.28	90 %	25%	150%
ES PCB-123	33.44		1.1334	1.1339	+1.0	3.35E+07	1.55	1.22	89.6 %	25%	150%
ES PCB-126	37.32		1.2644	1.2653	+2.0	3.12E+07	1.57	1.20	84.6 %	25%	150%
ES PCB-153	35.31		0.9713	0.9712	-0.2	2.44E+07	1.29	1.14	86.9 %	25%	150%
ES PCB-155	29.33		0.8073	0.8067	-1.1	3.00E+07	1.30	1.50	81.2 %	25%	150%
ES PCB-156/157	39.86		1.0961	1.0964	+0.7	6.67E+07	1.27	1.45	92.7 %	25%	150%
ES PCB-167	38.89		1.0695	1.0697	+0.5	3.40E+07	1.28	1.49	92.2 %	25%	150%
ES PCB-169	42.57		1.1704	1.1709	+1.3	1.07E+07	1.31	1.40	30.9 %	25%	150%
ES PCB-170	42.09		0.9061	0.9059	-0.5	2.10E+07	1.08	1.00	90.1 %	25%	150%
ES PCB-180	41.04		0.8835	0.8832	-0.7	2.43E+07	1.07	1.16	90.6 %	25%	150%
ES PCB-188	34.18		0.7363	0.7357	-1.2	1.89E+07	1.09	1.18	64.9 %	25%	150%
ES PCB-189	44.70		0.9621	0.9621	0	3.20E+07	1.05	1.49	92.7 %	25%	150%
ES PCB-202	38.70		0.8334	0.8330	-0.9	2.10E+07	0.93	1.14	74.6 %	25%	150%
ES PCB-205	46.86		1.0085	1.0085	0	2.42E+07	0.91	1.20	86.7 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.32		1.0399	1.0400	+0.3	1.78E+07	0.79	0.87	88.3 %	25%	150%
ES PCB-208	44.32		0.9540	0.9539	-0.3	2.55E+07	0.80	1.19	92.5 %	25%	150%
ES PCB-209	49.68		1.0691	1.0692	+0.3	2.10E+07	1.19	1.00	90.5 %	25%	150%
SS PCB-28	21.94		0.9320	0.9318	-0.3	4.61E+07	1.06	1.07	96.2 %	30%	135%
SS PCB-111	31.78		1.0772	1.0775	+0.6	3.62E+07	1.55	1.01	108 %	30%	135%
SS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.11	0.63	109 %	30%	135%
CS PCB-28	21.94		0.9320	0.9318	-0.3	4.61E+07	1.06	1.76	81.3 %	30%	135%
CS PCB-111	31.78		1.0772	1.0775	+0.6	3.62E+07	1.55	1.23	96.3 %	30%	135%
CS PCB-178	36.74		1.0105	1.0105	0	1.29E+07	1.11	0.74	70.8 %	30%	135%
JS PCB-9	15.59					4.68E+07	1.56				
JS PCB-52	23.55					3.23E+07	0.81				
JS PCB-101	29.49					3.07E+07	1.55				
JS PCB-138	36.36					2.47E+07	1.32				
JS PCB-194	46.46					2.32E+07	0.91				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	1.88		
						Di-CBs	20.3	20.3	1.8		
						Tri-CBs	2.67	4.42	1.96		
						Tetra-CBs	9.31	9.31	0.85		
						Penta-CBs	16.3	20.5	0.737		
						Hexa-CBs	25.7	27.4	0.957		
						Hepta-CBs	5.01	6.01	0.774		
						Octa-CBs	0	0	0.733		
						Nona-CBs	0	0	1.86		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.03		ND	5.53E+03	1.79
PCB-2 3-MoCB	NotFnd		0.9879	-		0.00E+00	1.06		ND	5.53E+03	1.96
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.04		ND	5.53E+03	1.98
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	1.17		ND	2.91E+03	1.68
PCB-10 26-DiCB	NotFnd		1.0138	-		0.00E+00	1.82		ND	2.91E+03	1.08
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	0.87		ND	5.17E+03	2.4
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	0.98		ND	5.17E+03	2.12
PCB-6 23'-DiCB	NotFnd		1.0252	-		0.00E+00	0.93		ND	5.17E+03	2.24
PCB-5 23-DiCB	NotFnd		1.0439	-		0.00E+00	0.93		ND	5.17E+03	2.25
PCB-8 24'-DiCB	16.39	J	1.0513	1.0515	+0.2	6.80E+04	SI	0.95	3	5.17E+03	2.19
PCB-14 35-DiCB	NotFnd		0.9322	-		0.00E+00	1.11		ND	5.17E+03	1.87
PCB-11 33'-DiCB	18.67	B	0.9716	0.9718	+0.2	3.99E+05	1.56	0.96	17.3	5.17E+03	2.16
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9864	-		0.00E+00	0.97		ND	5.17E+03	2.15
PCB-15 44'-DiCB	NotFnd		1.0008	-		0.00E+00	1.08		ND	5.17E+03	1.92

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		1.09	ND	3.30E+03	2.42
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1043	-		0.00E+00		1.46	ND	3.30E+03	1.82
PCB-17 22'4-TrCB	NotFnd		1.1277	-		0.00E+00		1.25	ND	3.30E+03	2.12
PCB-27 23'6-TrCB	NotFnd		1.1389	-		0.00E+00		1.67	ND	3.30E+03	1.59
PCB-24 236-TrCB	NotFnd		1.1467	-		0.00E+00		1.61	ND	3.30E+03	1.65
PCB-16 22'3-TrCB	NotFnd		1.1521	-		0.00E+00		0.96	ND	3.30E+03	2.75
PCB-32 24'6-TrCB	NotFnd		1.1805	-		0.00E+00		1.77	ND	3.30E+03	1.49
PCB-34 23'5'-TrCB	NotFnd		0.8179	-		0.00E+00		1.09	ND	3.52E+03	1.52
PCB-23 235-TrCB	NotFnd		0.8237	-		0.00E+00		1.10	ND	3.52E+03	1.51
PCB-26/29 23'5/245-TrCB	NotFnd	C	0.8346	-		0.00E+00		1.12	ND	3.52E+03	1.49
PCB-25 23'4-TrCB	NotFnd		0.8422	-		0.00E+00		1.12	ND	3.52E+03	1.48
PCB-31 24'5-TrCB	21.69	J B EMPC	0.8529	0.8525	-0.5	4.48E+04	1.30	1.16	1.76	3.52E+03	1.42
PCB-28/20 244'/233'-TrCB	21.96	J B C	0.8638	0.8630	-1.1	6.42E+04	1.11	1.10	2.67	3.52E+03	1.51
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8707	-		0.00E+00		1.14	ND	3.52E+03	1.45
PCB-22 234'-TrCB	NotFnd		0.8851	-		0.00E+00		1.06	ND	3.52E+03	1.57
PCB-36 33'5-TrCB	NotFnd		0.9388	-		0.00E+00		1.16	ND	3.52E+03	1.43
PCB-39 34'5-TrCB	NotFnd		0.9512	-		0.00E+00		1.21	ND	3.52E+03	1.37
PCB-38 345-TrCB	NotFnd		0.9719	-		0.00E+00		1.10	ND	3.52E+03	1.51
PCB-35 33'4-TrCB	NotFnd		0.9869	-		0.00E+00		1.07	ND	3.52E+03	1.55
PCB-37 344'-TrCB	NotFnd		1.0007	-		0.00E+00		1.10	ND	3.52E+03	1.5
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.21	ND	1.06E+03	0.796
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9121	-		0.00E+00		0.83	ND	1.11E+03	0.781
PCB-45 22'36-TeCB	NotFnd		0.9362	-		0.00E+00		0.67	ND	1.11E+03	0.968
PCB-51 22'46'-TeCB	NotFnd		0.9394	-		0.00E+00		0.88	ND	1.11E+03	0.733
PCB-46 22'36'-TeCB	NotFnd		0.9480	-		0.00E+00		0.67	ND	1.11E+03	0.972
PCB-52 22'55'-TeCB	23.56	J B	1.0009	1.0007	-0.3	3.63E+04	0.77	0.80	2.39	1.11E+03	0.808
PCB-73 23'5'6-TeCB	NotFnd		1.0065	-		0.00E+00		1.06	ND	1.11E+03	0.609
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.69	ND	1.11E+03	0.94
PCB-69/49 23'46/22'45'-TeCB	24.00	J C	1.0186	1.0192	+0.9	1.31E+04	0.67	0.98	0.705	1.11E+03	0.662
PCB-48 22'45-TeCB	NotFnd		1.0303	-		0.00E+00		0.82	ND	1.11E+03	0.789
PCB-44/47/65 ...-TeCB	24.45	J B C	1.0393	1.0384	-1.3	3.29E+04	0.72	0.87	2	1.11E+03	0.745
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0509	-		0.00E+00		1.11	ND	1.11E+03	0.585
PCB-42 22'34'-TeCB	NotFnd		1.0576	-		0.00E+00		0.77	ND	1.11E+03	0.844
PCB-41 22'34-TeCB	NotFnd		1.0715	-		0.00E+00		0.72	ND	1.11E+03	0.905
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0756	-		0.00E+00		0.83	ND	1.11E+03	0.784
PCB-64 234'6-TeCB	25.53	J	1.0839	1.0844	+0.8	1.56E+04	0.78	1.19	0.691	1.11E+03	0.545
PCB-72 23'55'-TeCB	NotFnd		0.8401	-		0.00E+00		1.16	ND	1.88E+03	0.946
PCB-68 23'45'-TeCB	NotFnd		0.8482	-		0.00E+00		1.23	ND	1.88E+03	0.892
PCB-57 233'5-TeCB	NotFnd		0.8599	-		0.00E+00		1.10	ND	1.88E+03	0.997
PCB-58 233'5'-TeCB	NotFnd		0.8662	-		0.00E+00		1.14	ND	1.88E+03	0.966
PCB-67 23'45-TeCB	NotFnd		0.8713	-		0.00E+00		1.18	ND	1.88E+03	0.932
PCB-63 234'5-TeCB	NotFnd		0.8783	-		0.00E+00		1.25	ND	1.88E+03	0.879
PCB-61/70/74/76 ...-TeCB	27.75	J B C	0.8876	0.8876	0	5.28E+04	0.76	1.14	2.45	1.88E+03	0.963
PCB-66 23'44'-TeCB	28.02	J	0.8964	0.8963	-0.2	2.19E+04	0.66	1.08	1.08	1.88E+03	1.02
PCB-55 233'4-TeCB	NotFnd		0.9009	-		0.00E+00		1.09	ND	1.88E+03	1

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	NotFnd		0.9147	-		0.00E+00		1.06	ND	1.88E+03	1.03
PCB-60 2344'-TeCB	NotFnd		0.9208	-		0.00E+00		1.10	ND	1.88E+03	0.996
PCB-80 33'55'-TeCB	NotFnd		0.9317	-		0.00E+00		1.28	ND	1.88E+03	0.859
PCB-79 33'45'-TeCB	NotFnd		0.9733	-		0.00E+00		1.27	ND	1.88E+03	0.868
PCB-78 33'45'-TeCB	NotFnd		0.9887	-		0.00E+00		1.06	ND	1.88E+03	1.03
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.25	ND	9.04E+02	0.732
PCB-96 22'366'-PeCB	NotFnd		1.0133	-		0.00E+00		1.23	ND	9.04E+02	0.746
PCB-103 22'45'6'-PeCB	NotFnd		0.8963	-		0.00E+00		0.95	ND	1.35E+03	0.887
PCB-94 22'356'-PeCB	NotFnd		0.9024	-		0.00E+00		0.82	ND	1.35E+03	1.03
PCB-95 22'35'6'-PeCB	26.98	J EMPC	0.9151	0.9149	-0.3	2.36E+04	0.50	0.88	1.63	1.35E+03	0.957
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9224	-		0.00E+00		0.87	ND	1.35E+03	0.966
PCB-102 22'456'-PeCB	NotFnd		0.9262	-		0.00E+00		1.00	ND	1.35E+03	0.839
PCB-98 22'34'6'-PeCB	NotFnd		0.9285	-		0.00E+00		0.80	ND	1.35E+03	1.06
PCB-88 22'346'-PeCB	NotFnd		0.9384	-		0.00E+00		0.79	ND	1.35E+03	1.06
PCB-91 22'34'6'-PeCB	NotFnd		0.9406	-		0.00E+00		0.97	ND	1.35E+03	0.868
PCB-84 22'33'6'-PeCB	NotFnd		0.9468	-		0.00E+00		0.75	ND	1.35E+03	1.13
PCB-89 22'346'-PeCB	NotFnd		0.9609	-		0.00E+00		0.80	ND	1.35E+03	1.05
PCB-121 23'45'6'-PeCB	NotFnd		0.9732	-		0.00E+00		1.21	ND	1.35E+03	0.694
PCB-92 22'355'-PeCB	NotFnd		0.9836	-		0.00E+00		0.85	ND	1.35E+03	0.986
PCB-113/90/101 ...-PeCB	29.51	J B C	0.9999	1.0007	+1.4	5.22E+04	0.63	1.01	3.16	1.35E+03	0.838
PCB-83 22'33'5'-PeCB	NotFnd		1.0143	-		0.00E+00		0.74	ND	1.35E+03	1.14
PCB-99 22'44'5'-PeCB	NotFnd		1.0178	-		0.00E+00		1.02	ND	1.35E+03	0.828
PCB-112 233'56'-PeCB	NotFnd		1.0209	-		0.00E+00		1.13	ND	1.35E+03	0.746
PCB-108/119/86/97/125...-PeCB	30.48	J B C	1.0327	1.0336	+1.6	4.78E+04	0.58	1.02	2.85	1.35E+03	0.828
PCB-117 234'56'-PeCB	NotFnd		1.0506	-		0.00E+00		1.18	ND	1.35E+03	0.715
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0535	-		0.00E+00		0.96	ND	1.35E+03	0.874
PCB-110 233'4'6'-PeCB	31.19	J B	1.0575	1.0576	+0.2	9.68E+04	0.69	1.20	4.88	1.35E+03	0.7
PCB-115 2344'6'-PeCB	NotFnd		1.0605	-		0.00E+00		1.14	ND	1.35E+03	0.736
PCB-82 22'33'4'-PeCB	NotFnd		1.0667	-		0.00E+00		0.73	ND	1.35E+03	1.15
PCB-111 233'55'-PeCB	NotFnd		1.0780	-		0.00E+00		1.25	ND	1.35E+03	0.672
PCB-120 23'455'-PeCB	NotFnd		1.0913	-		0.00E+00		1.25	ND	1.35E+03	0.674
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		1.15	ND	1.35E+03	0.73
PCB-109 233'46'-PeCB	NotFnd		0.9976	-		0.00E+00		1.28	ND	1.35E+03	0.66
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.12	ND	1.35E+03	0.751
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		1.06	ND	1.35E+03	0.795
PCB-127 33'455'-PeCB	NotFnd		1.0362	-		0.00E+00		1.18	ND	1.35E+03	0.708
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.09	ND	9.24E+02	0.601
PCB-152 22'3566'-HxCB	NotFnd		1.0055	-		0.00E+00		1.14	ND	9.24E+02	0.575
PCB-150 22'34'66'-HxCB	NotFnd		1.0106	-		0.00E+00		1.16	ND	9.24E+02	0.565
PCB-136 22'33'66'-HxCB	NotFnd		1.0205	-		0.00E+00		1.08	ND	9.24E+02	0.609
PCB-145 22'3466'-HxCB	NotFnd		1.0299	-		0.00E+00		1.10	ND	9.24E+02	0.596
PCB-148 22'34'56'-HxCB	NotFnd		1.0734	-		0.00E+00		1.09	ND	9.24E+02	0.714
PCB-151/135 ...-HxCB	31.99	J C	1.0907	1.0908	+0.2	2.05E+04	1.22	1.06	1.62	9.24E+02	0.739
PCB-154 22'44'56'-HxCB	NotFnd		1.0982	-		0.00E+00		1.22	ND	9.24E+02	0.642
PCB-144 22'345'6'-HxCB	NotFnd		1.1067	-		0.00E+00		1.08	ND	9.24E+02	0.721

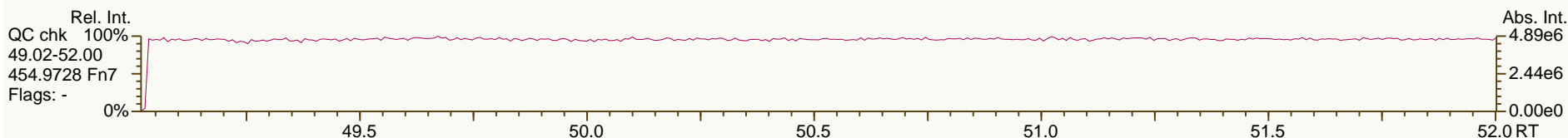
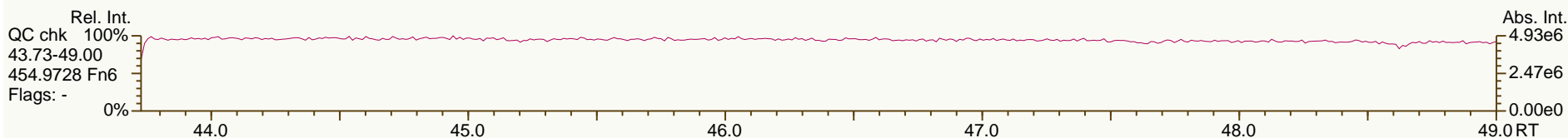
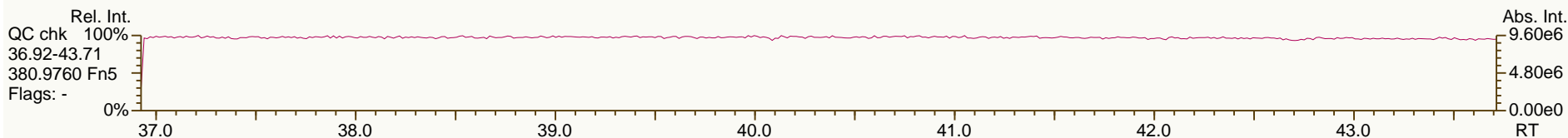
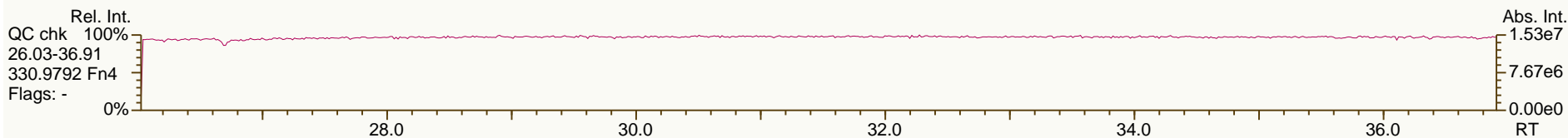
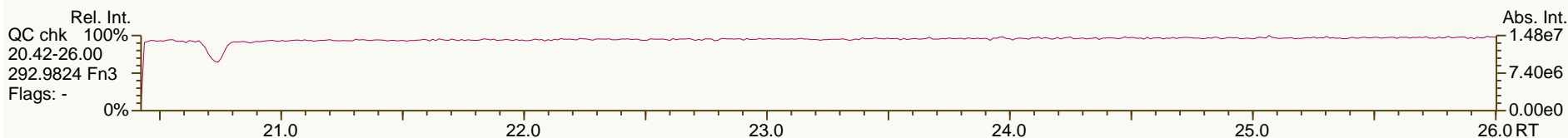
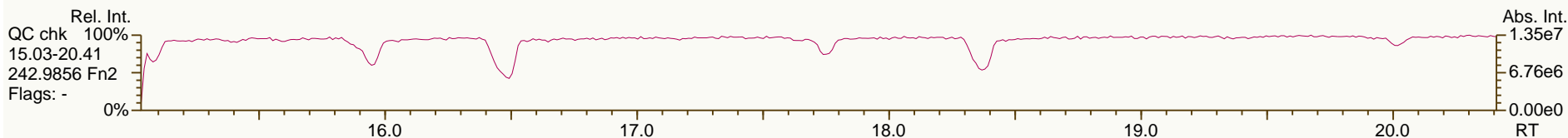
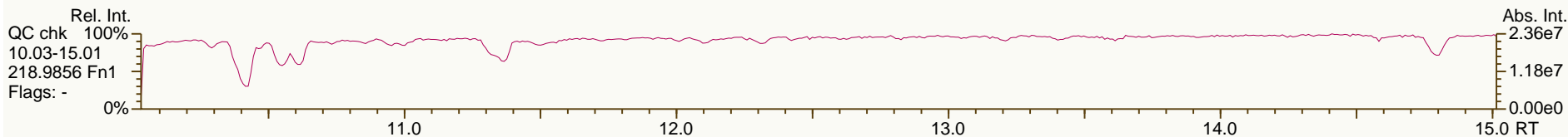
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PCB-147/149 ...-HxCB	32.77	J B C	1.1170	1.1171	+0.2	4.81E+04	1.28	1.09	3.69	9.24E+02	0.718
PCB-134 22'33'56'-HxCB	NotFnd		1.1226	-		0.00E+00		0.88	ND	9.24E+02	0.887
PCB-143 22'3456'-HxCB	NotFnd		1.1255	-		0.00E+00		1.04	ND	9.24E+02	0.755
PCB-139/140 ...-HxCB	NotFnd	C	1.1345	-		0.00E+00		1.11	ND	9.24E+02	0.704
PCB-131 22'33'46'-HxCB	NotFnd		1.1402	-		0.00E+00		0.96	ND	9.24E+02	0.814
PCB-142 22'3456-HxCB	NotFnd		1.1449	-		0.00E+00		0.94	ND	9.24E+02	0.836
PCB-132 22'33'46'-HxCB	33.83	J	1.1529	1.1533	+0.8	2.70E+04	1.18	0.99	2.29	9.24E+02	0.794
PCB-133 22'33'55'-HxCB	NotFnd		1.1672	-		0.00E+00		1.04	ND	9.24E+02	0.754
PCB-165 233'55'6'-HxCB	NotFnd		0.9516	-		0.00E+00		1.28	ND	9.24E+02	0.612
PCB-146 22'34'55'-HxCB	34.81	J	0.9574	0.9573	-0.2	1.40E+04	1.18	1.12	1.04	9.24E+02	0.697
PCB-161 233'45'6'-HxCB	NotFnd		0.9606	-		0.00E+00		1.43	ND	9.24E+02	0.547
PCB-153/168 ...-HxCB	35.33	J B C	0.9724	0.9717	-1.5	7.85E+04	1.16	1.22	5.37	9.24E+02	0.641
PCB-141 22'3455'-HxCB	35.49	J	0.9761	0.9760	-0.2	1.79E+04	1.29	1.05	1.42	9.24E+02	0.746
PCB-130 22'33'45'-HxCB	NotFnd		0.9855	-		0.00E+00		0.93	ND	9.24E+02	0.837
PCB-137 22'344'5'-HxCB	NotFnd		0.9909	-		0.00E+00		1.06	ND	9.24E+02	0.736
PCB-164 233'4'5'6'-HxCB	36.10	J	0.9931	0.9929	-0.4	1.94E+04	1.16	1.45	1.11	9.24E+02	0.539
PCB-163/138/129 ...-HxCB	36.39	J B C	1.0011	1.0008	-0.7	1.04E+05	1.24	1.13	7.69	9.24E+02	0.694
PCB-160 233'456-HxCB	NotFnd		1.0047	-		0.00E+00		1.34	ND	9.24E+02	0.582
PCB-158 233'44'6'-HxCB	NotFnd		1.0098	-		0.00E+00		1.48	ND	9.24E+02	0.529
PCB-128/166 ...-HxCB	37.44	J C	0.9628	0.9628	0	2.13E+04	1.32	0.87	1.46	1.07E+03	0.764
PCB-159 233'455'-HxCB	NotFnd		0.9840	-		0.00E+00		1.04	ND	1.07E+03	0.642
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.05	ND	1.07E+03	0.638
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		1.03	ND	6.76E+02	0.74
PCB-179 22'33'566'-HpCB	NotFnd		1.0085	-		0.00E+00		1.10	ND	6.76E+02	0.696
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		1.08	ND	6.76E+02	0.706
PCB-176 22'33'466'-HpCB	NotFnd		1.0304	-		0.00E+00		1.20	ND	6.76E+02	0.636
PCB-186 22'34566'-HpCB	NotFnd		1.0419	-		0.00E+00		1.13	ND	6.76E+02	0.678
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0751	-		0.00E+00		0.82	ND	6.76E+02	0.928
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0910	-		0.00E+00		1.10	ND	1.03E+03	0.838
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0977	-		0.00E+00		1.16	ND	1.03E+03	0.798
PCB-182 22'344'56'-HpCB	NotFnd		1.1029	-		0.00E+00		1.18	ND	1.03E+03	0.782
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1130	-		0.00E+00		1.28	ND	1.03E+03	0.72
PCB-185 22'3455'6'-HpCB	NotFnd		1.1153	-		0.00E+00		1.04	ND	1.03E+03	0.892
PCB-174 22'33'456'-HpCB	38.25	J EMPC	1.1184	1.1188	+0.9	1.16E+04	0.69	0.97	0.999	1.03E+03	0.952
PCB-177 22'33'45'6'-HpCB	38.60	J	1.1292	1.1291	-0.2	1.43E+04	0.95	0.97	1.24	1.03E+03	0.954
PCB-181 22'344'56-HpCB	NotFnd		1.1394	-		0.00E+00		1.10	ND	1.03E+03	0.836
PCB-171/173 ...-HpCB	NotFnd	C	1.1445	-		0.00E+00		0.98	ND	1.03E+03	0.945
PCB-172 22'33'455'-HpCB	NotFnd		0.9063	-		0.00E+00		1.01	ND	1.03E+03	0.912
PCB-192 233'455'6'-HpCB	NotFnd		0.9117	-		0.00E+00		1.31	ND	1.03E+03	0.706
PCB-180/193 ...-HpCB	41.05	J B C	0.9179	0.9184	+1.2	3.40E+04	1.07	1.16	2.46	1.03E+03	0.797
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9253	-		0.00E+00		1.37	ND	1.03E+03	0.672
PCB-170 22'33'44'5'-HpCB	42.10	J	0.9422	0.9418	-1.0	1.46E+04	0.92	1.07	1.32	1.03E+03	0.972
PCB-190 233'44'56-HpCB	NotFnd		0.9522	-		0.00E+00		1.54	ND	1.03E+03	0.677
PCB-202 22'33'55'66'-OocCB	NotFnd		1.0005	-		0.00E+00		0.91	ND	6.82E+02	0.777
PCB-201 22'33'45'66'-OocCB	NotFnd		1.0208	-		0.00E+00		1.14	ND	6.82E+02	0.626

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0357	-		0.00E+00		1.07	ND	6.82E+02	0.667
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0405	-		0.00E+00		1.12	ND	6.82E+02	0.636
PCB-200 22'33'4566'-OcCB	NotFnd		1.0425	-		0.00E+00		1.12	ND	6.82E+02	0.636
PCB-198/199 ...-OcCB	NotFnd	C	1.1025	-		0.00E+00		0.78	ND	6.82E+02	0.915
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1174	-		0.00E+00		0.81	ND	6.82E+02	0.88
PCB-203 22'344'55'6-OcCB	NotFnd		1.1217	-		0.00E+00		0.84	ND	6.82E+02	0.85
PCB-195 22'33'44'56-OcCB	NotFnd		0.9505	-		0.00E+00		0.77	ND	8.33E+02	0.975
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9920	-		0.00E+00		0.80	ND	8.33E+02	0.933
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	8.33E+02	0.688
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.02	ND	1.76E+03	1.48
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0182	-		0.00E+00		1.04	ND	1.76E+03	1.44
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.98	ND	1.76E+03	2.25

SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

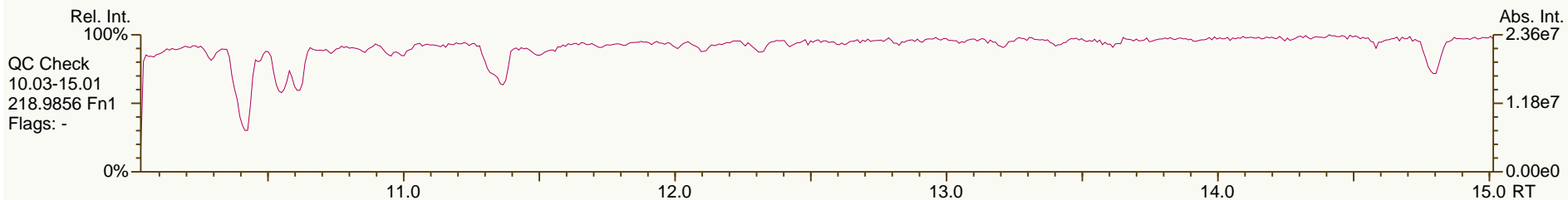
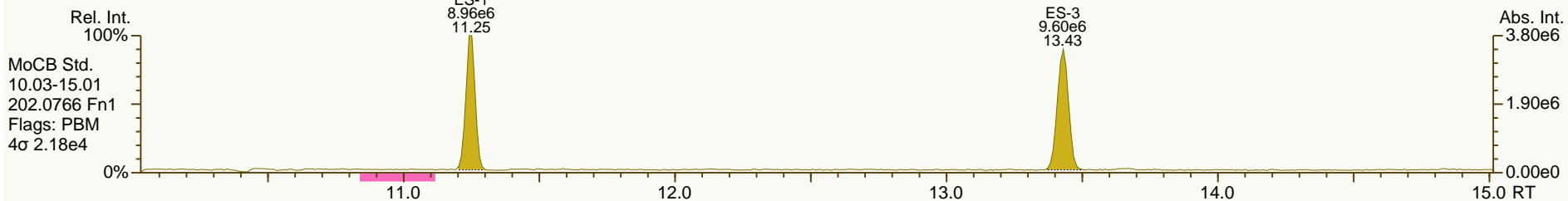
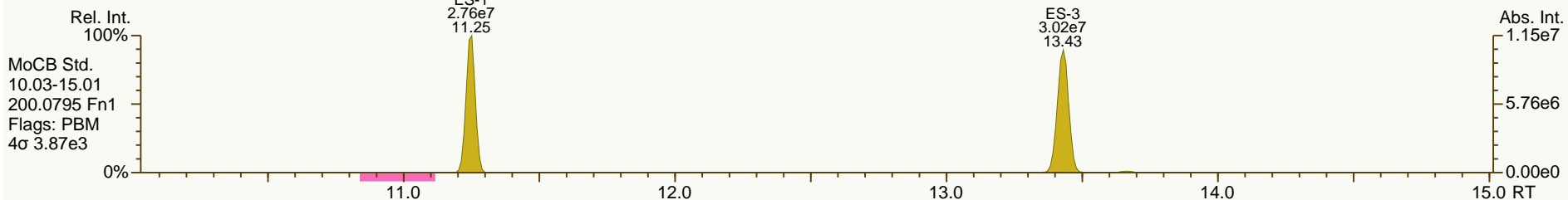
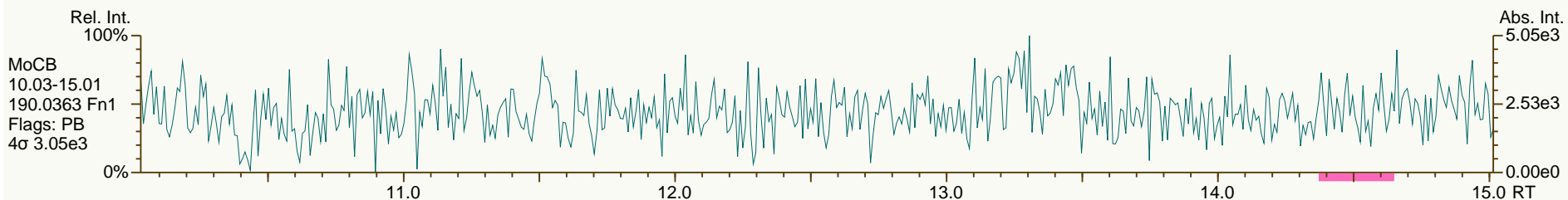
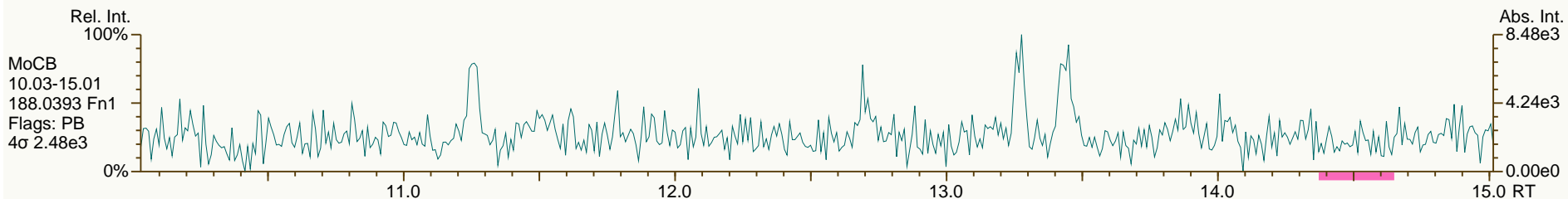
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
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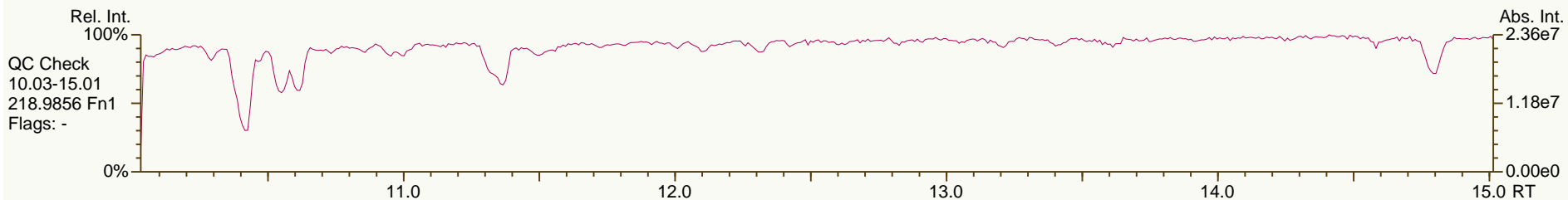
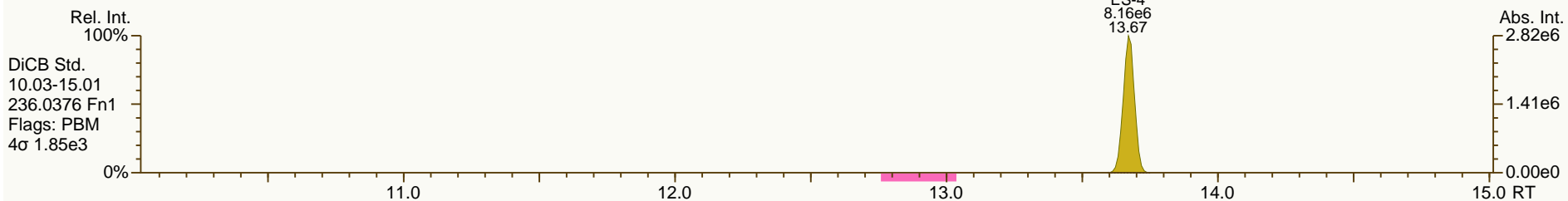
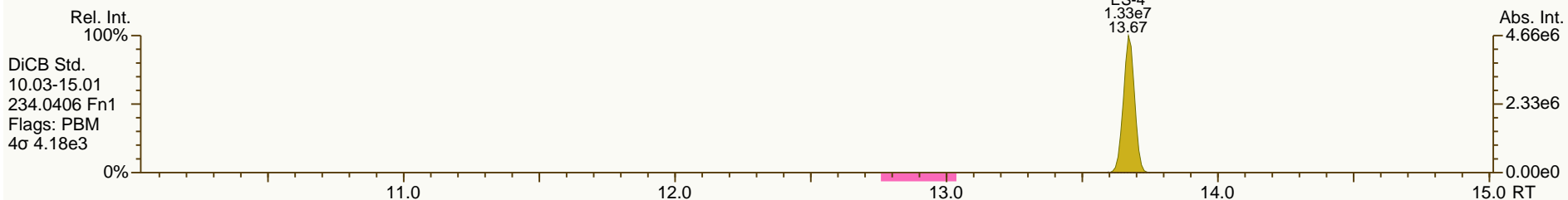
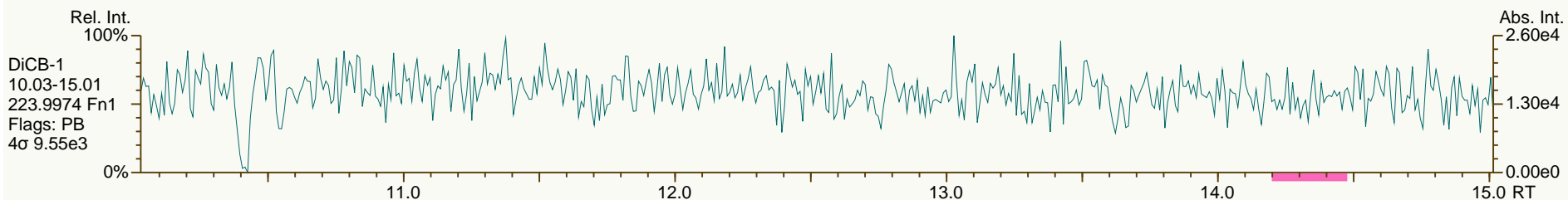
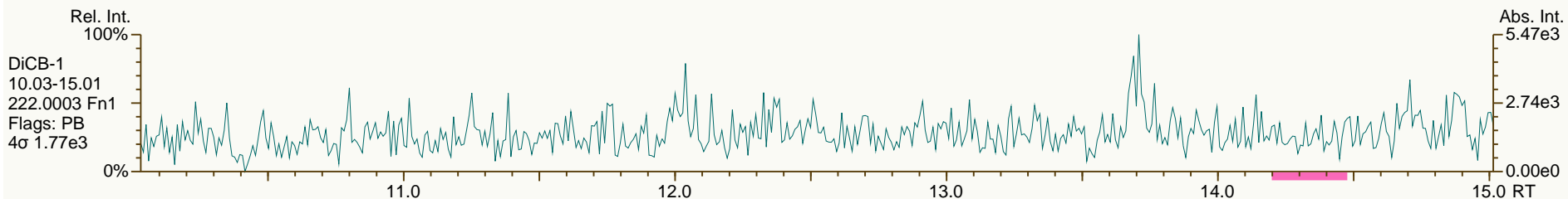
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 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

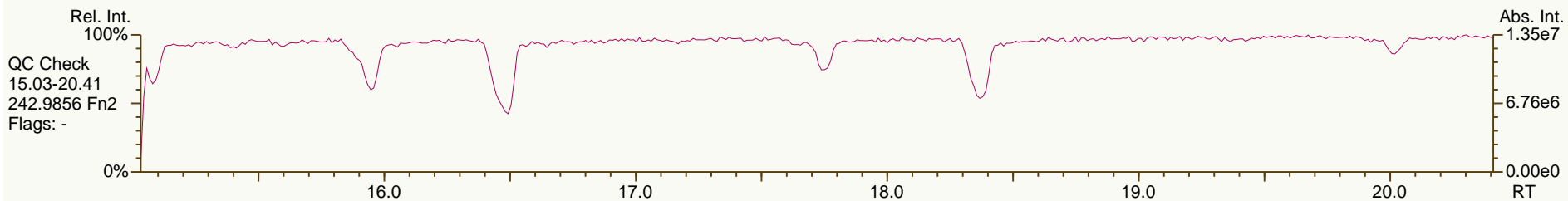
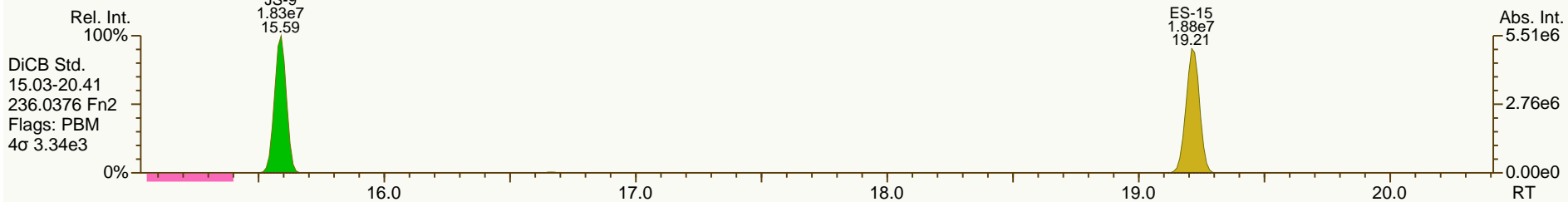
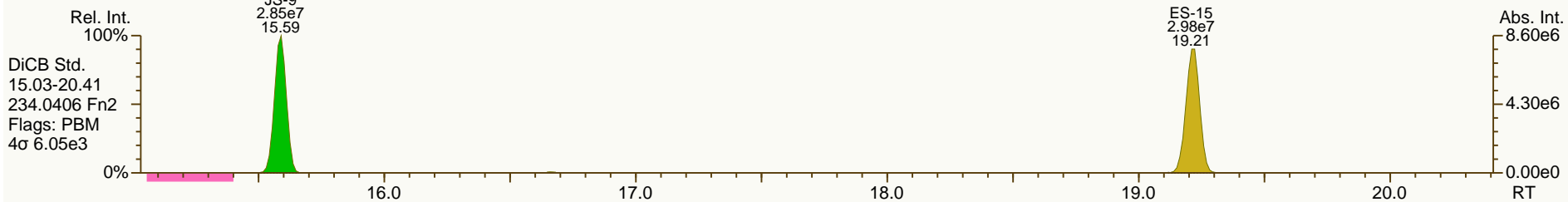
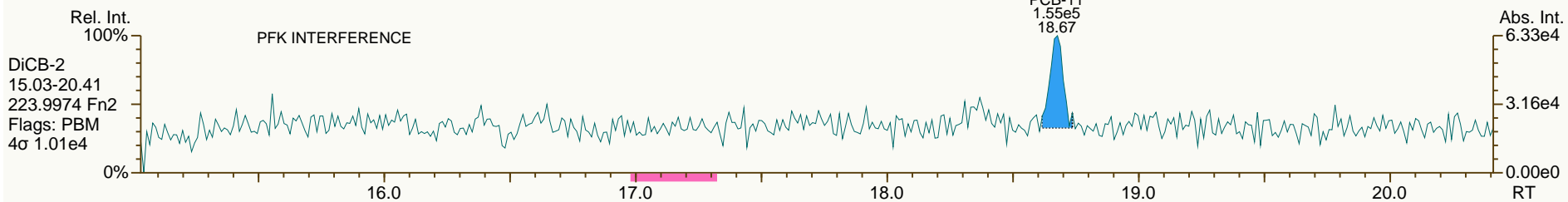
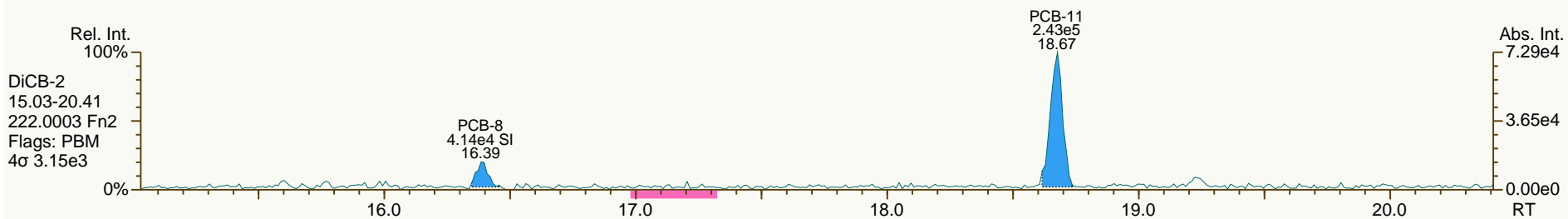
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

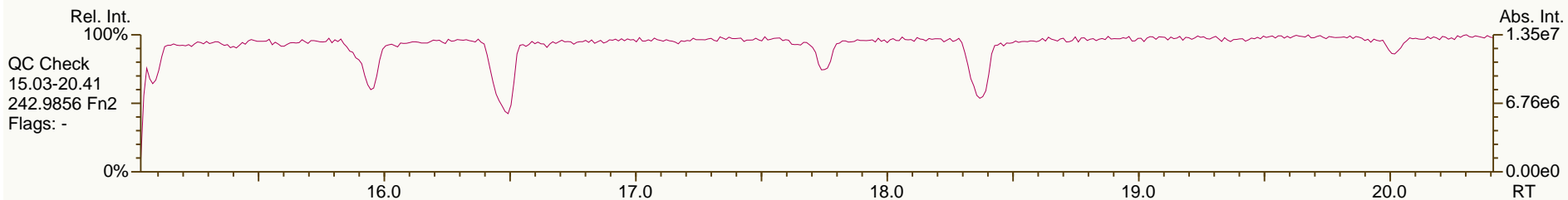
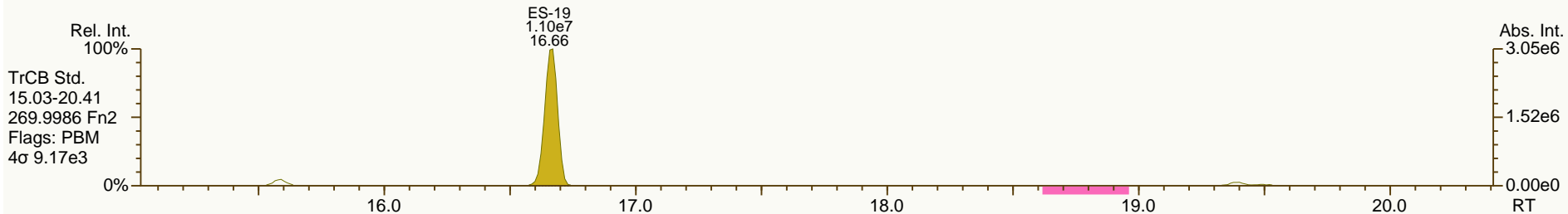
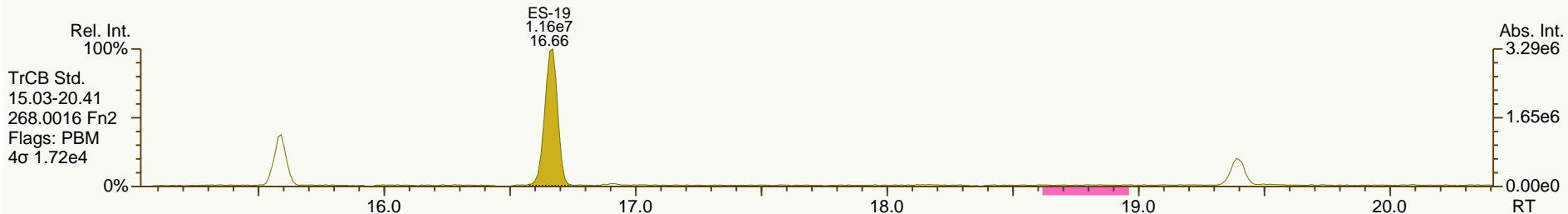
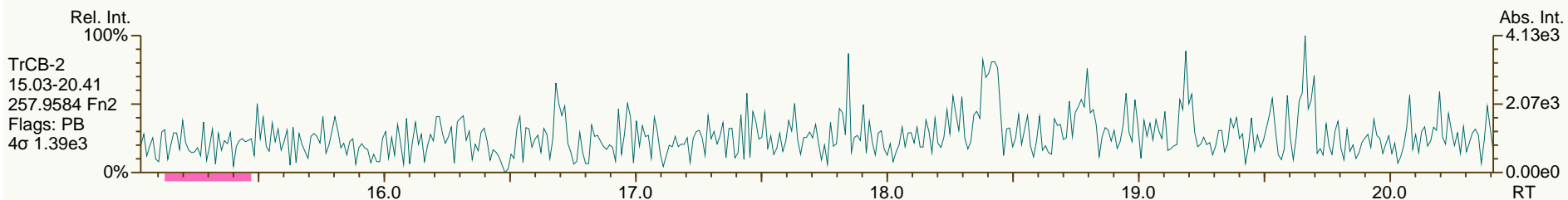
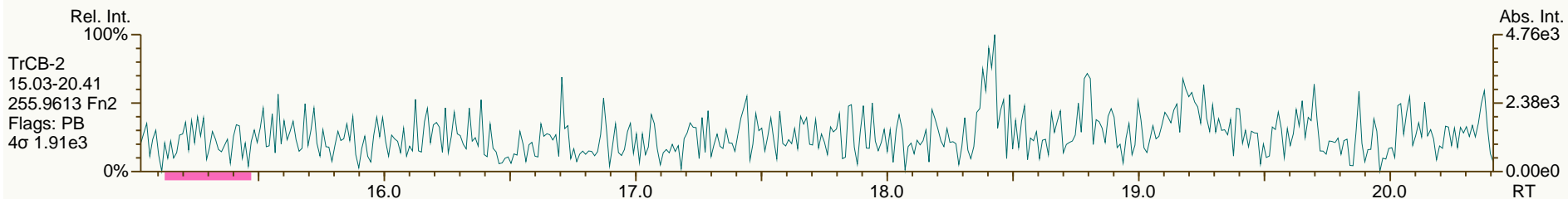
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SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

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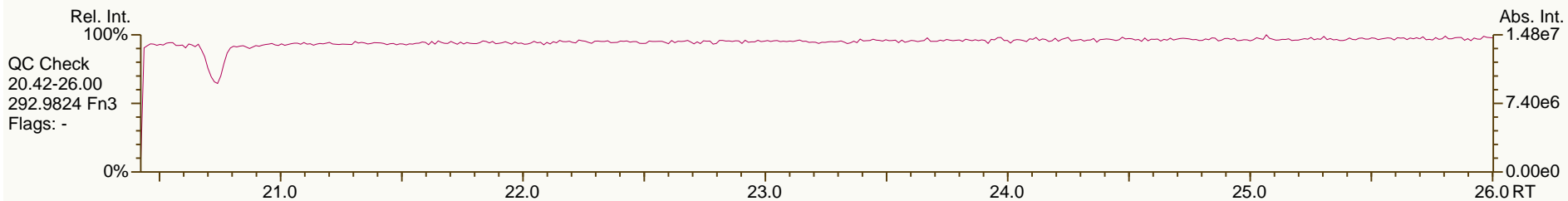
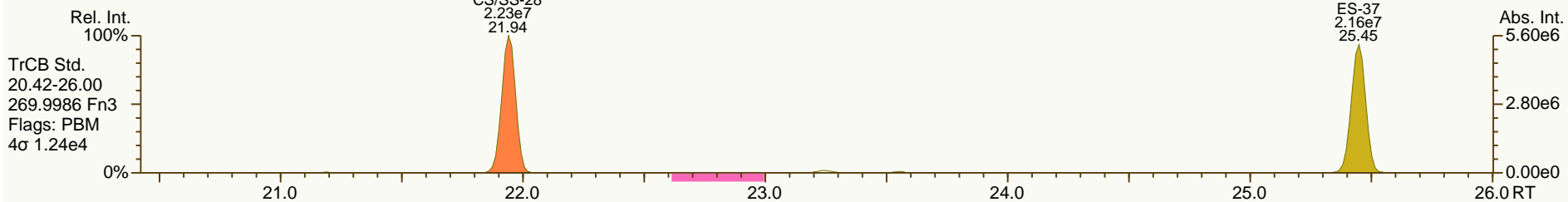
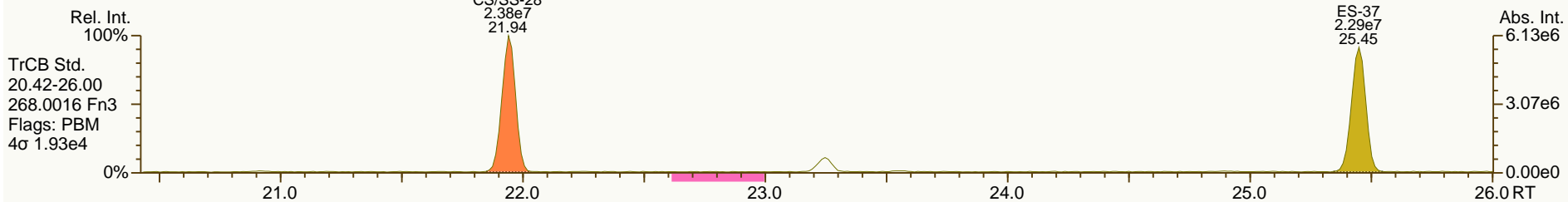
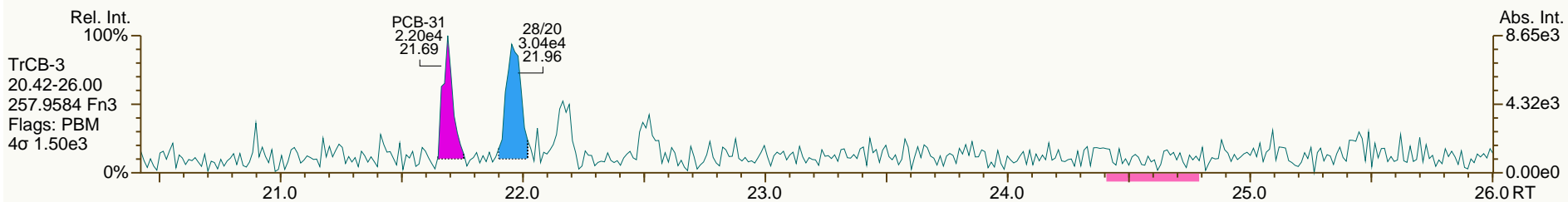
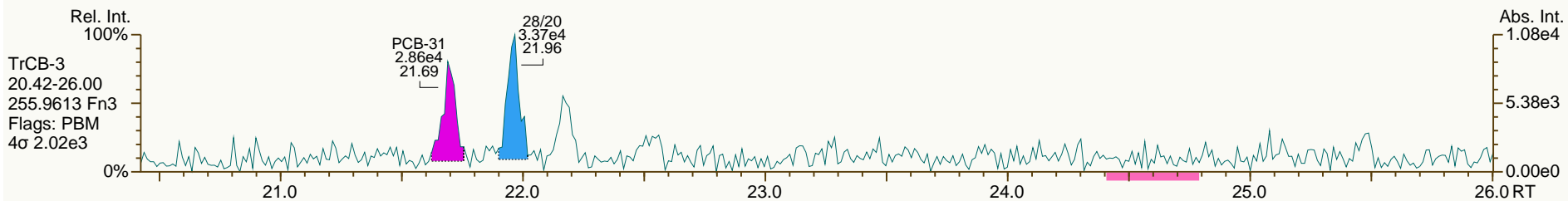
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SGS-AP ID: A5462_10924_PCB_002
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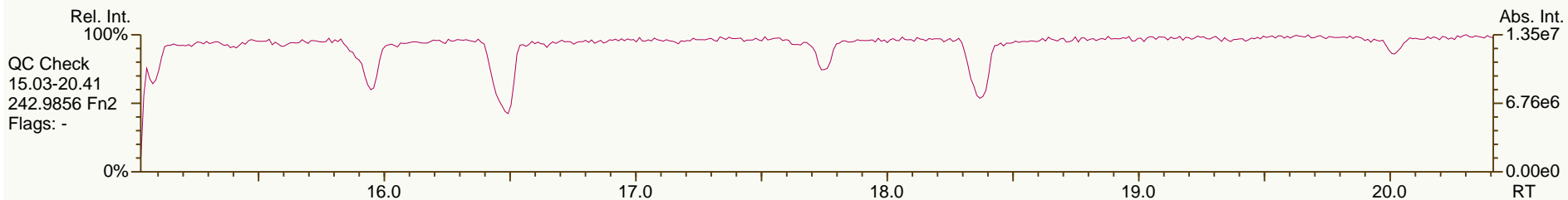
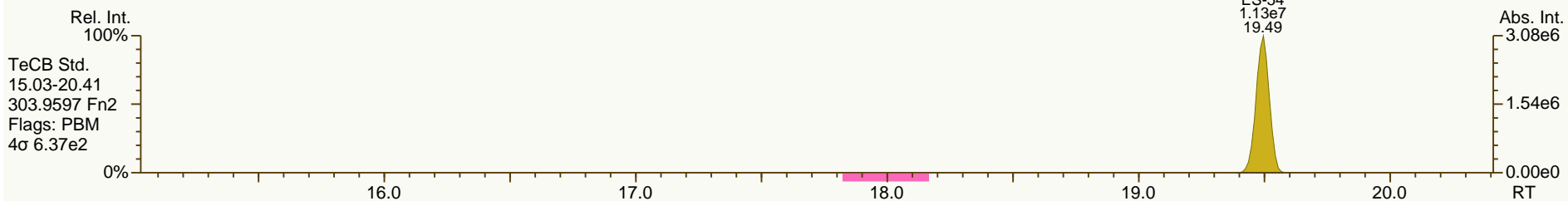
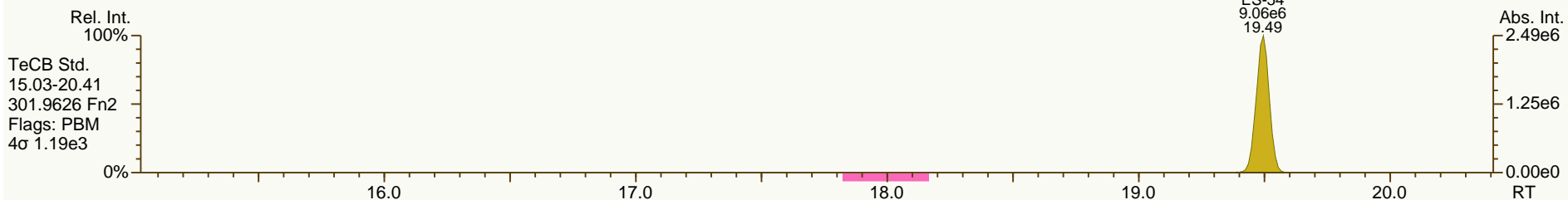
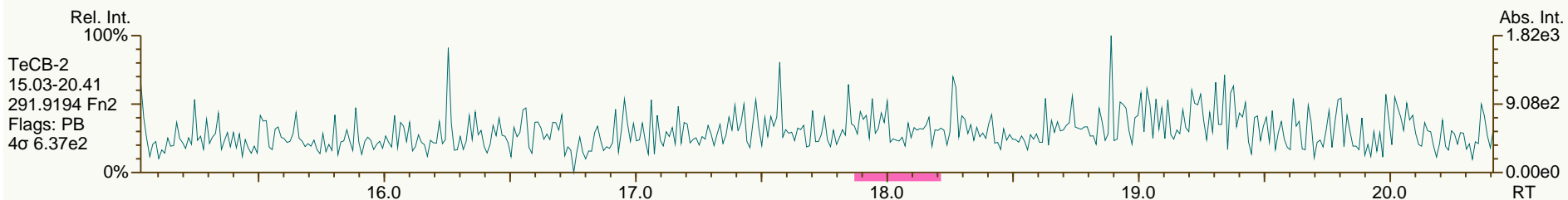
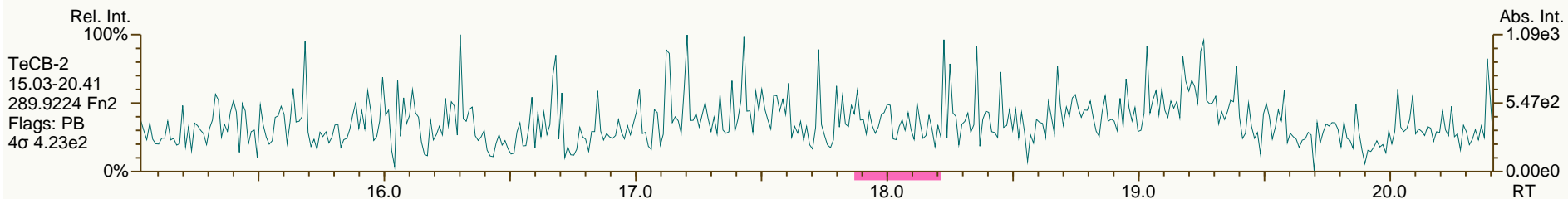
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SGS-AP ID: A5462_10924_PCB_002
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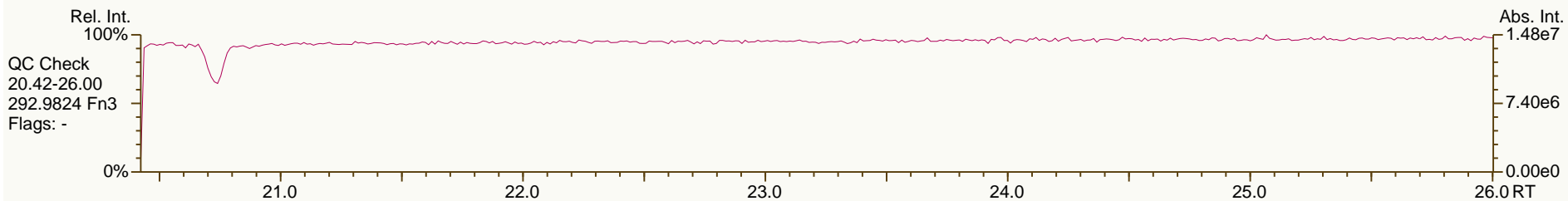
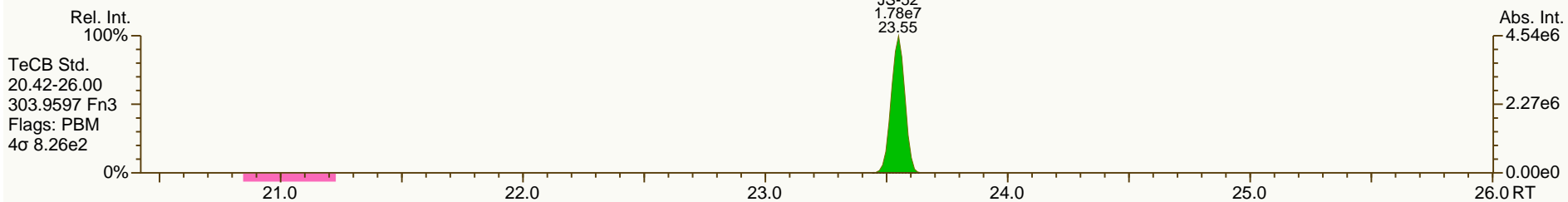
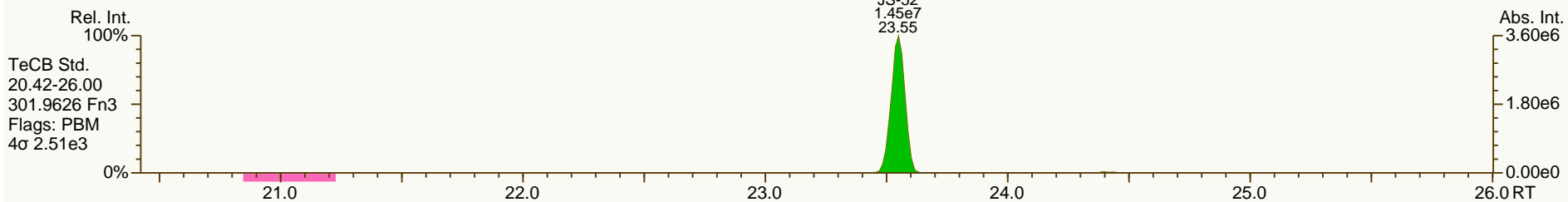
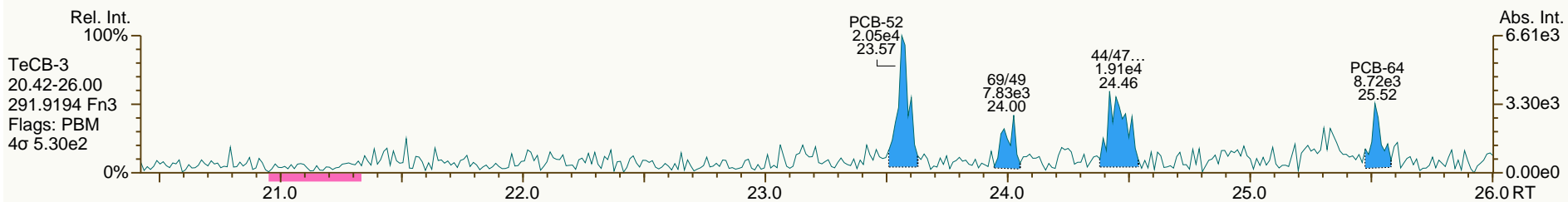
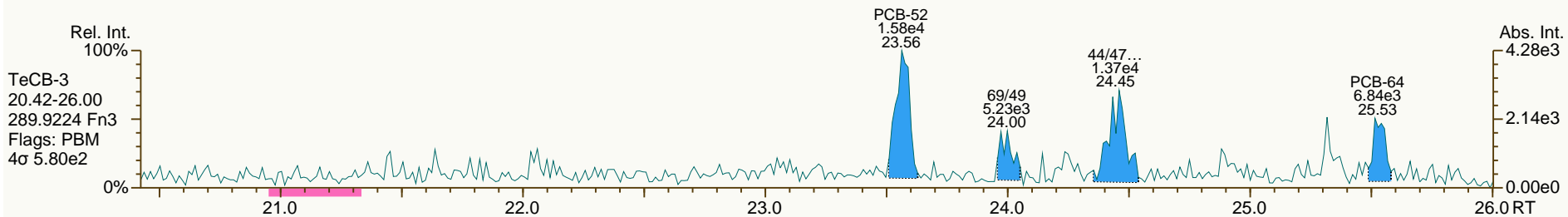
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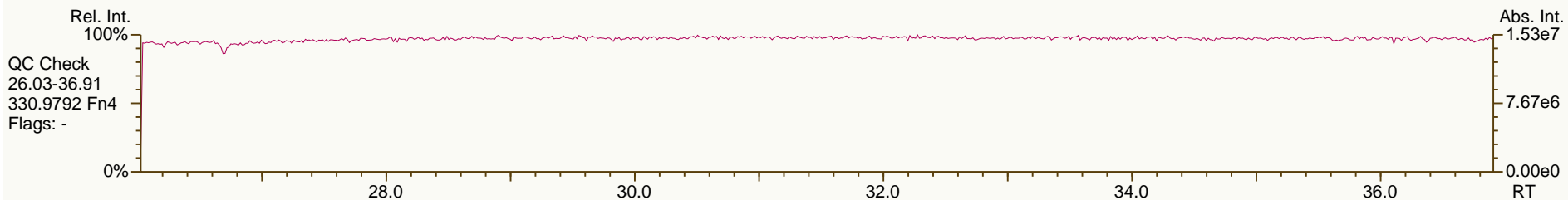
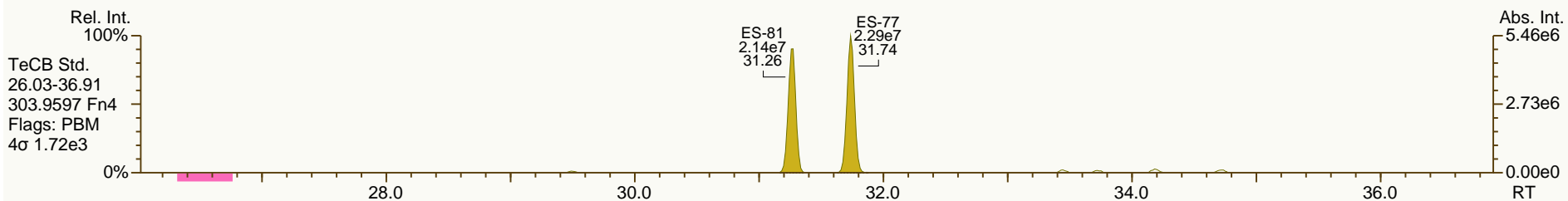
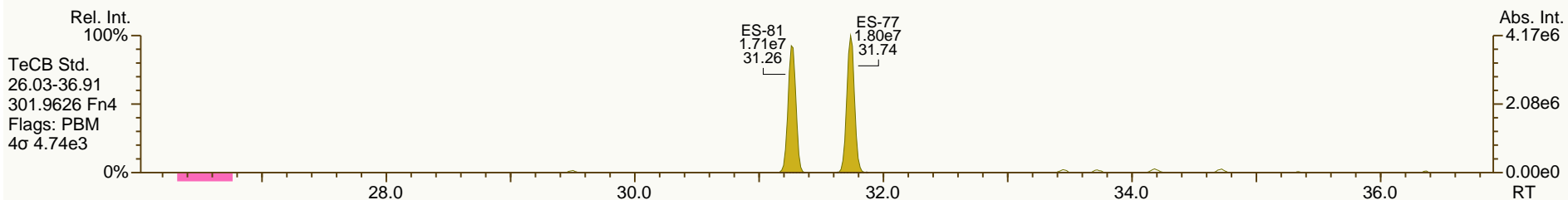
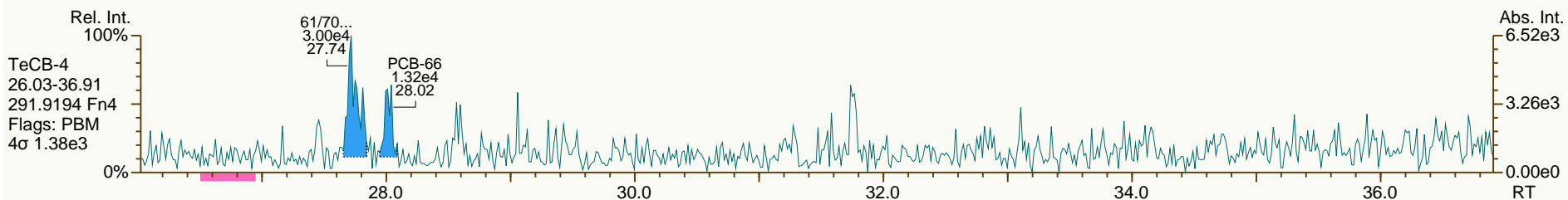
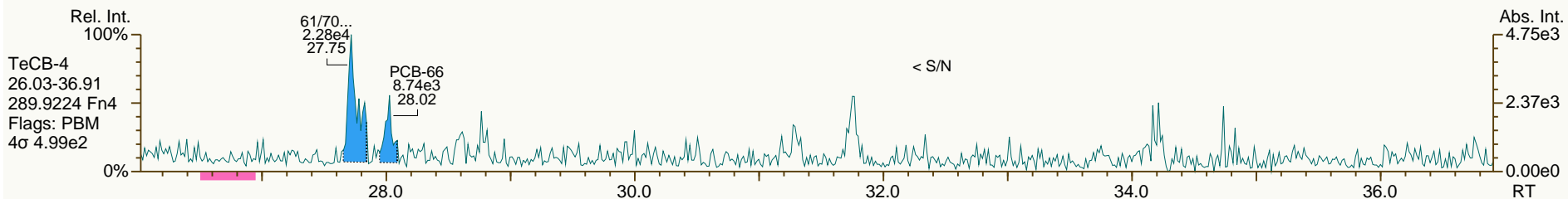
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SGS-AP ID: A5462_10924_PCB_002
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Sample ID: JW-SSFB-130429
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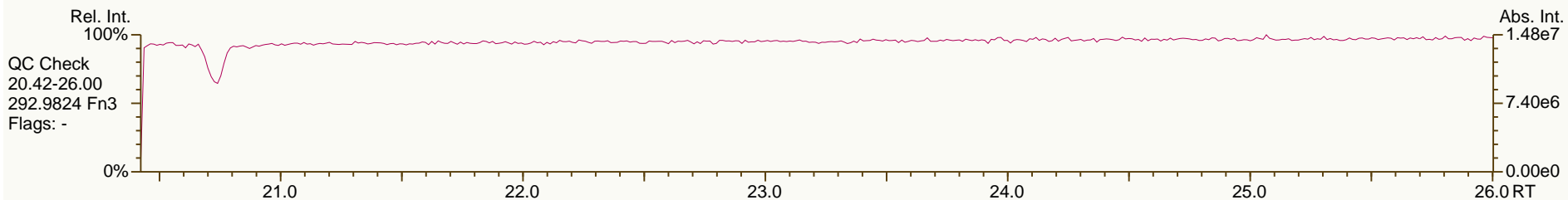
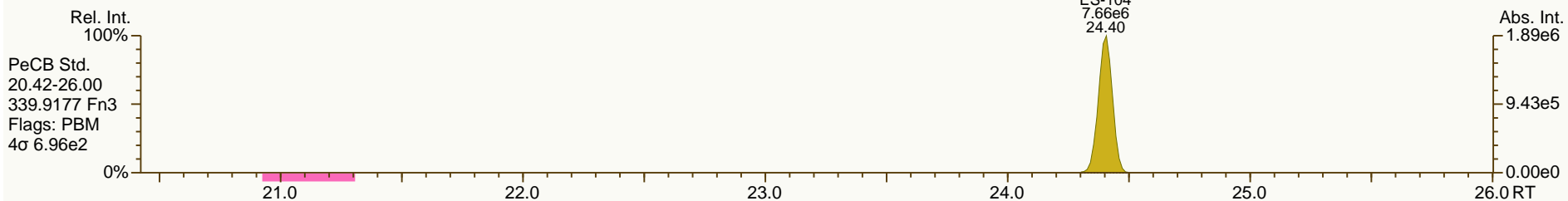
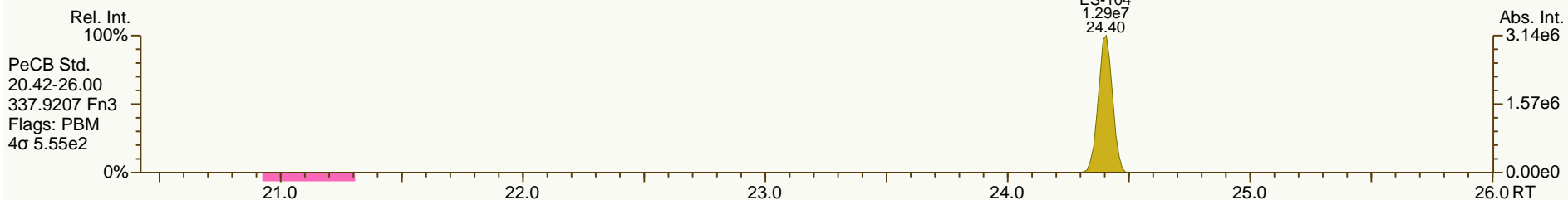
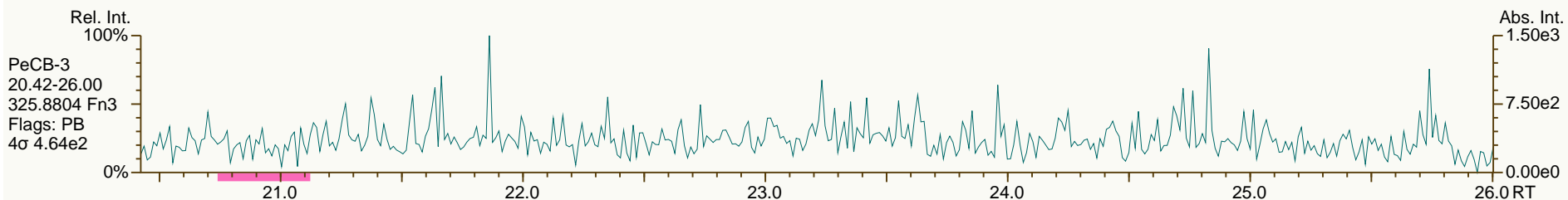
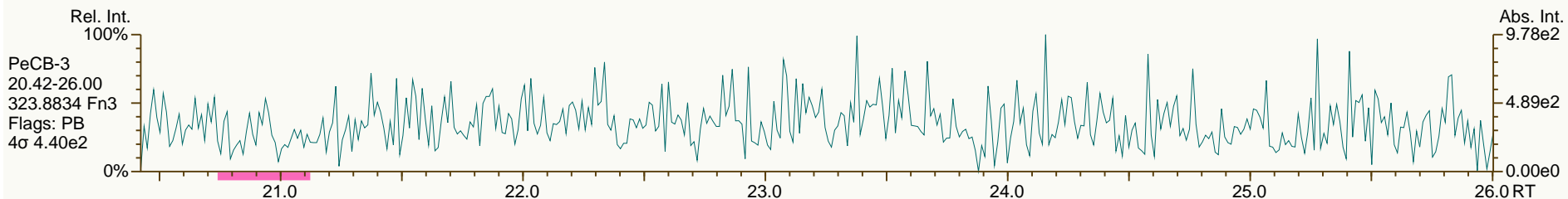
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SGS-AP ID: A5462_10924_PCB_002
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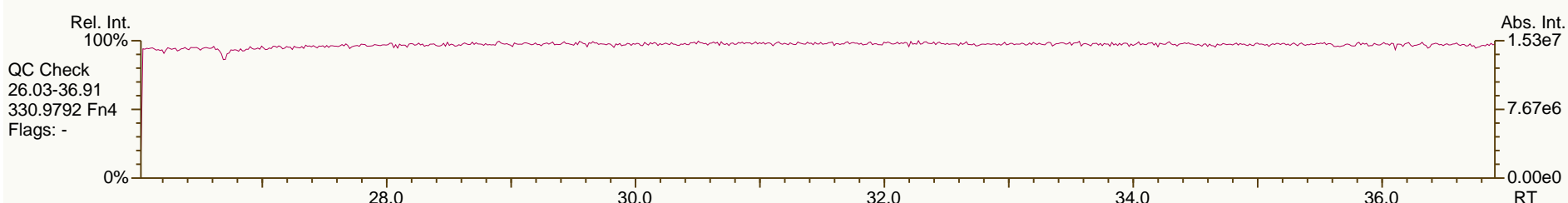
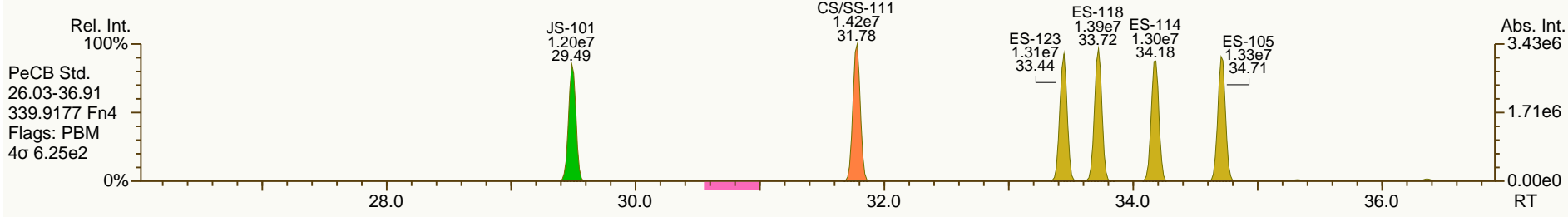
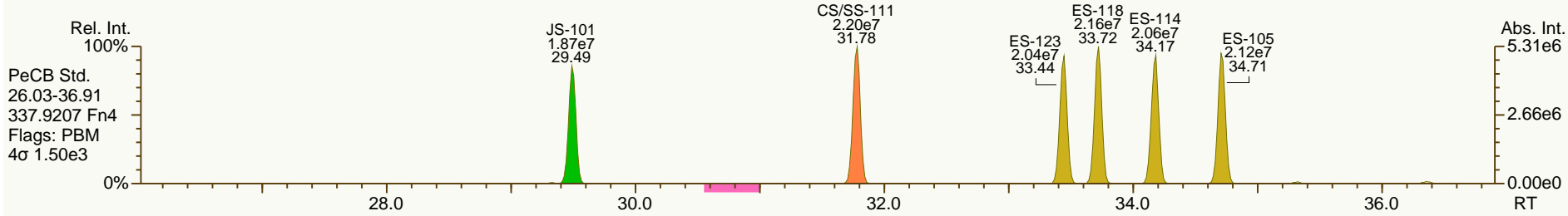
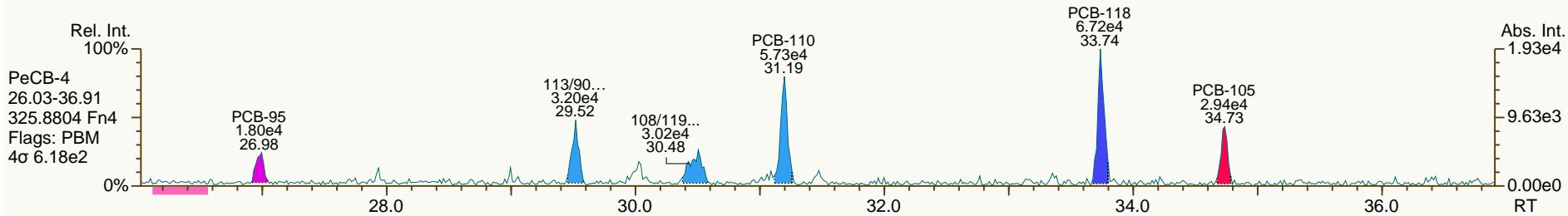
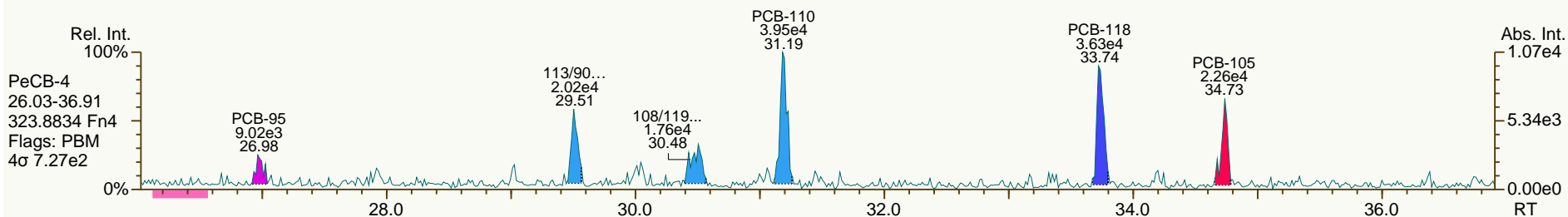
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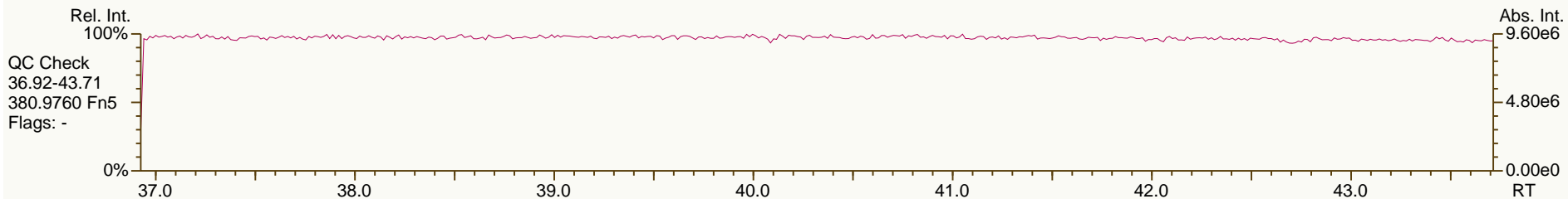
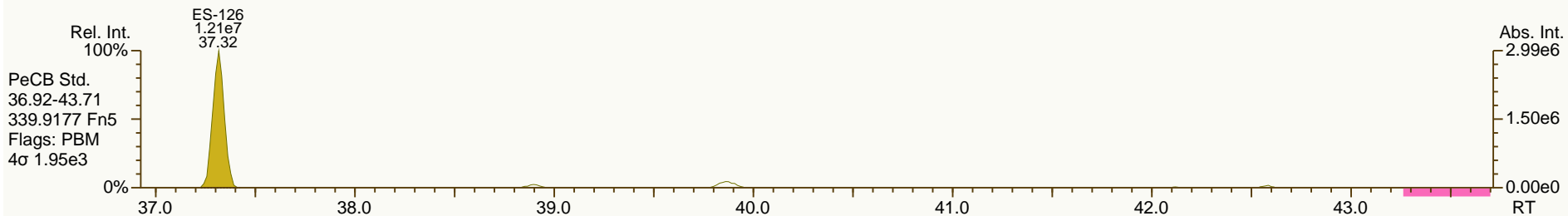
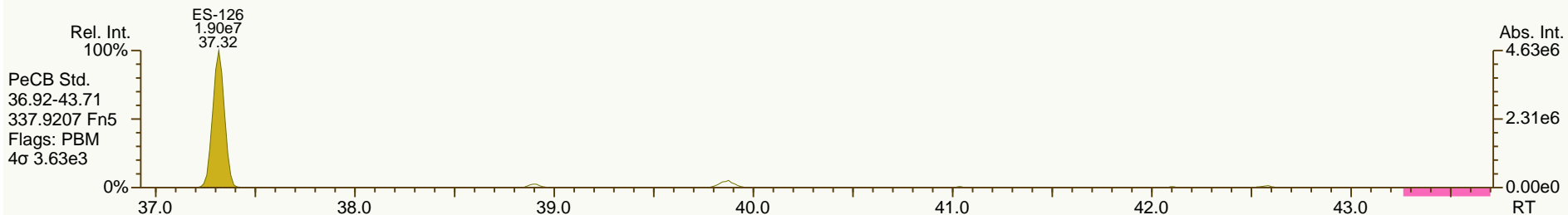
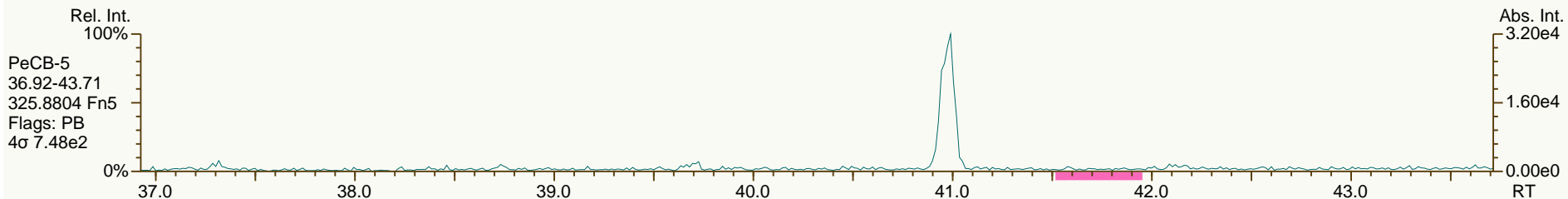
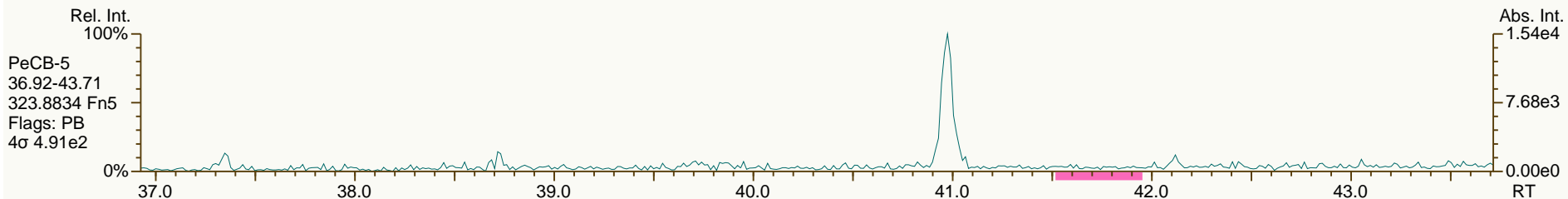
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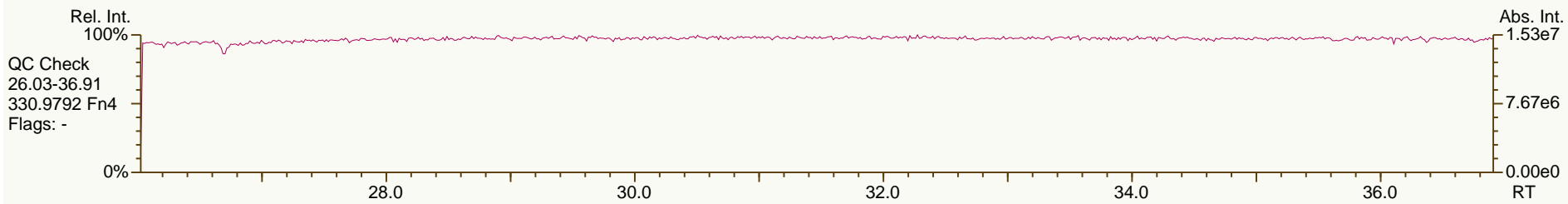
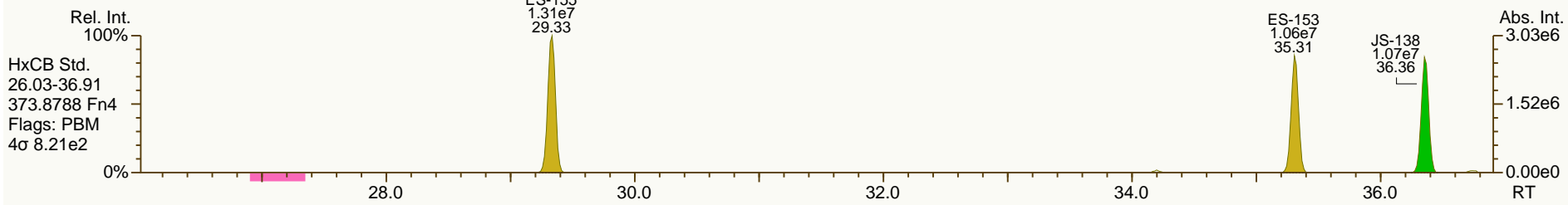
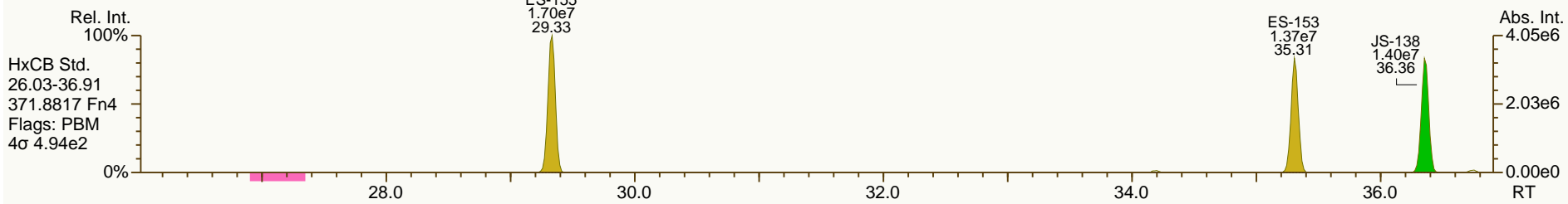
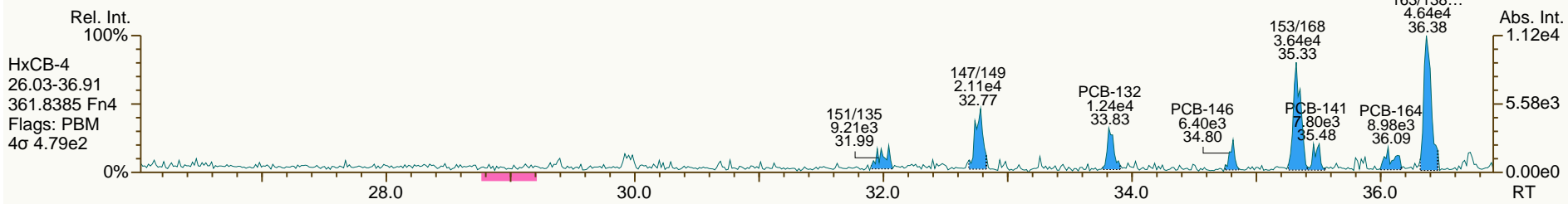
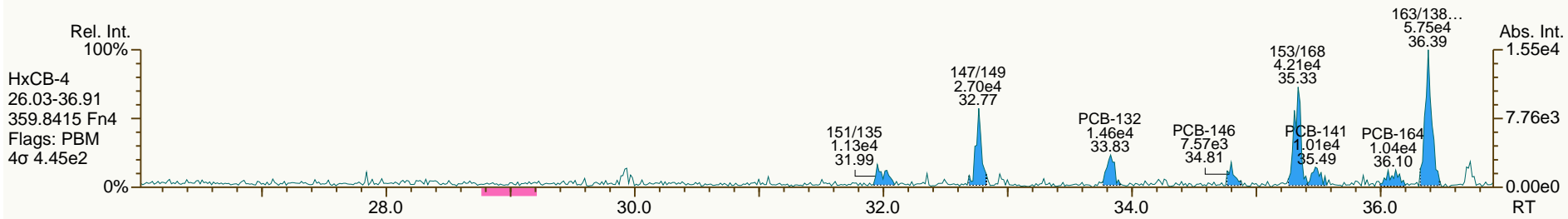
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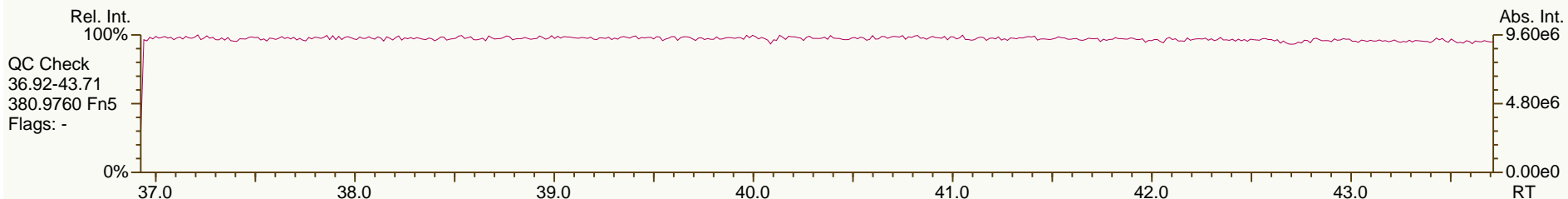
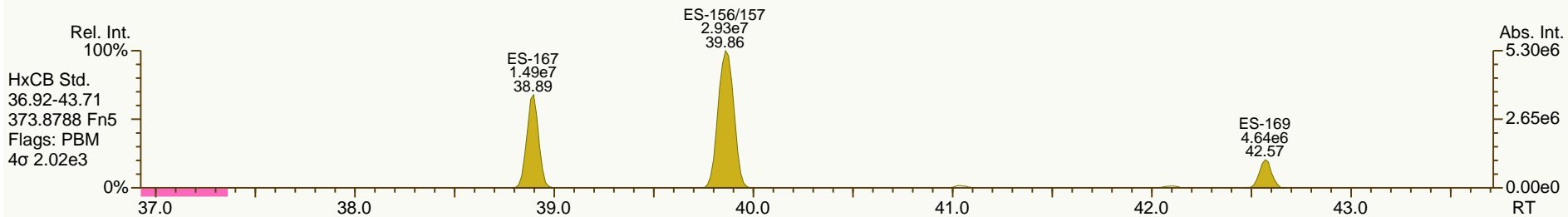
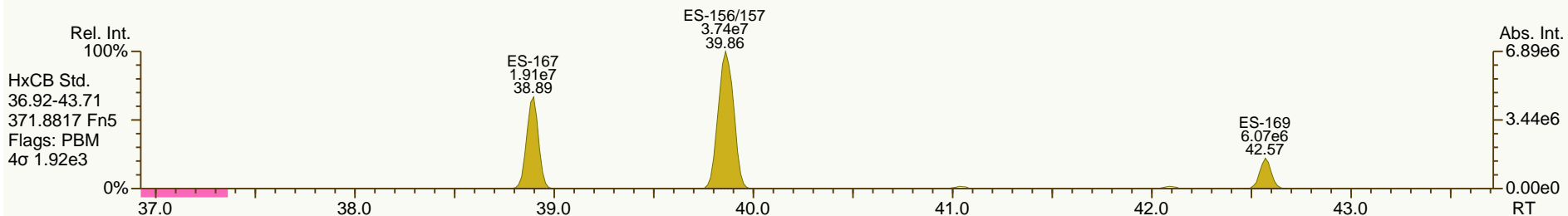
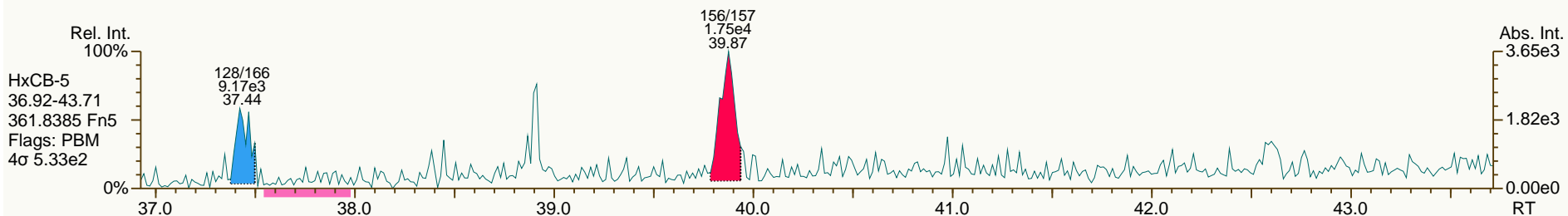
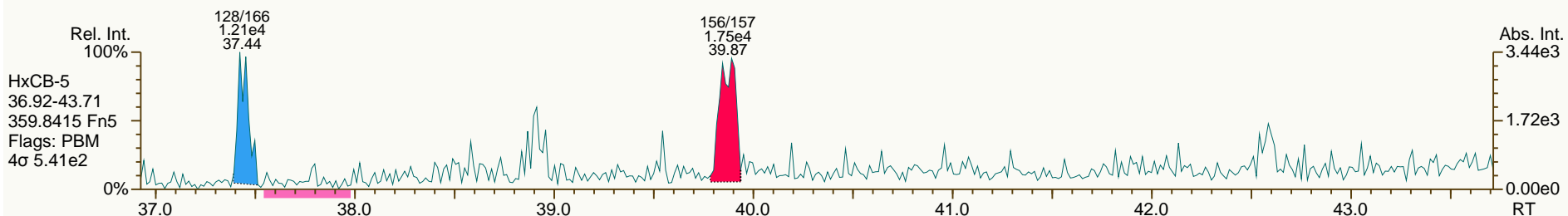
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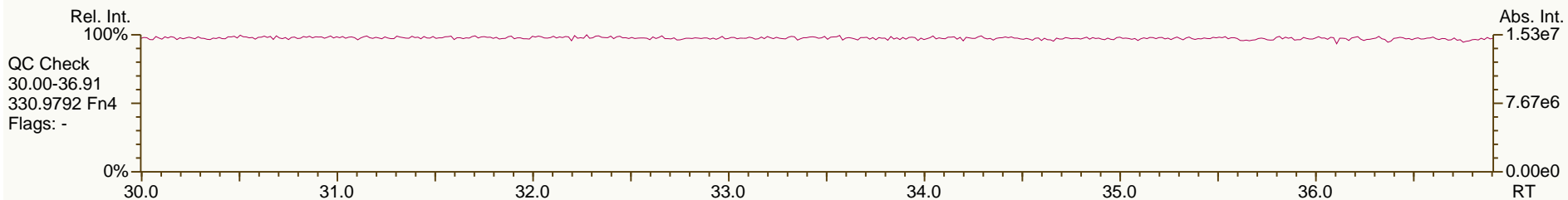
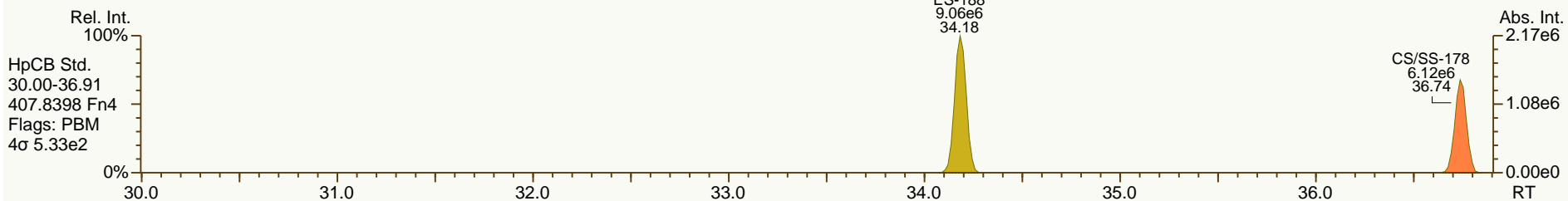
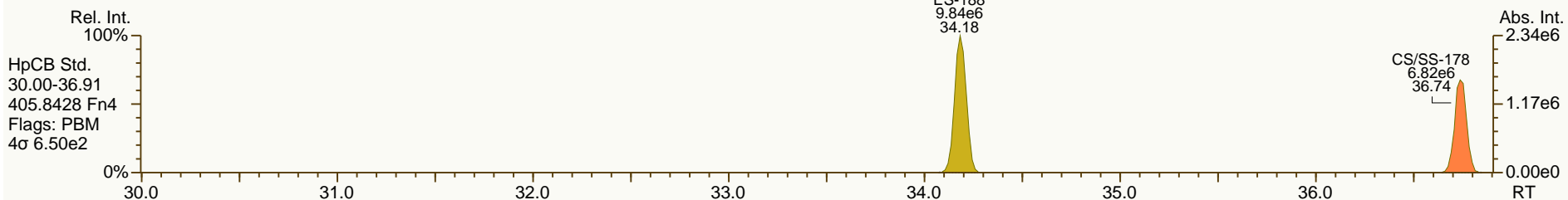
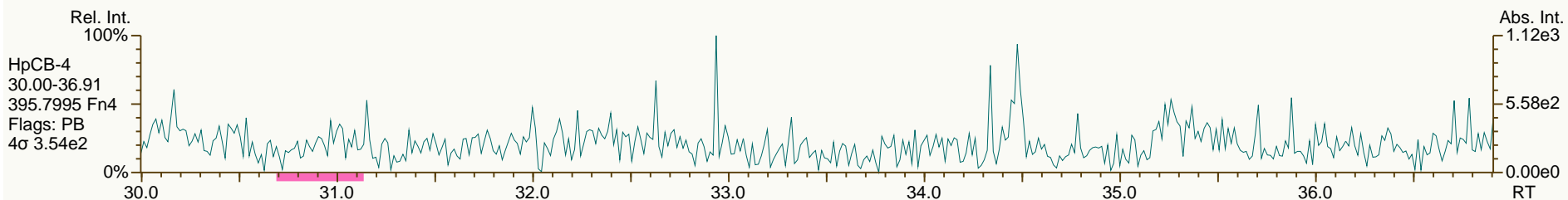
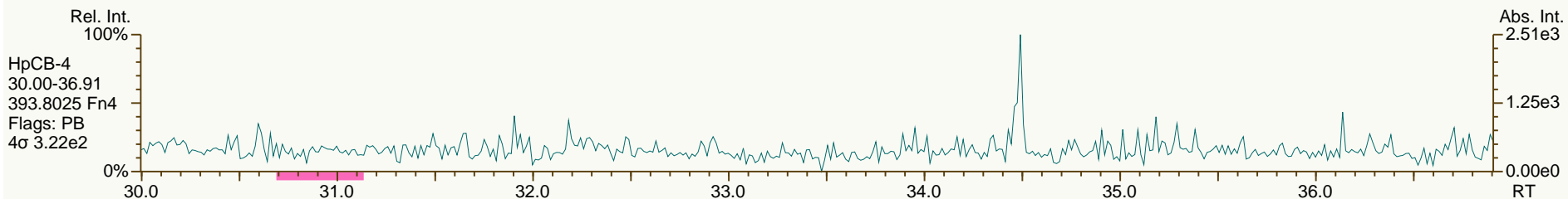
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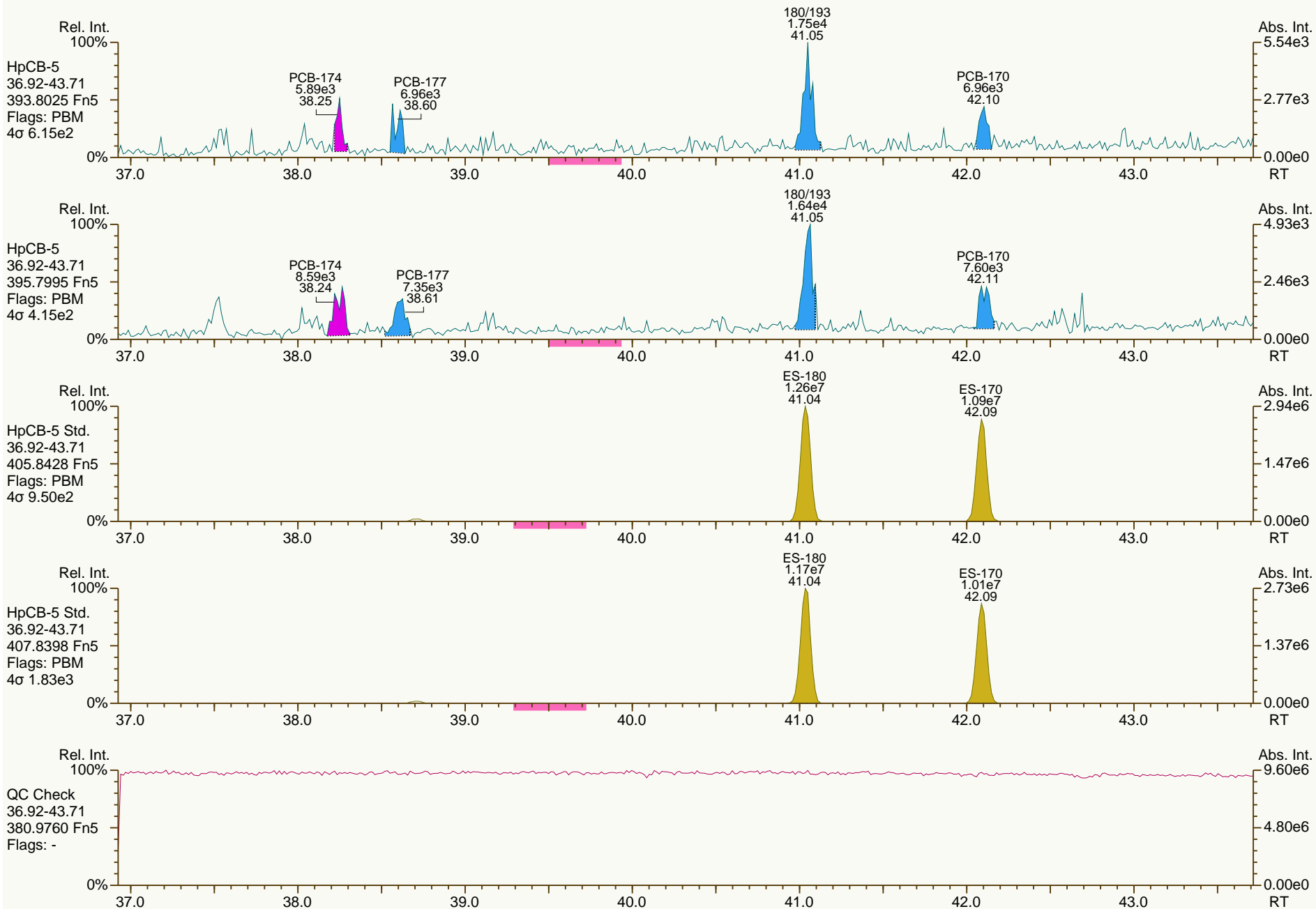
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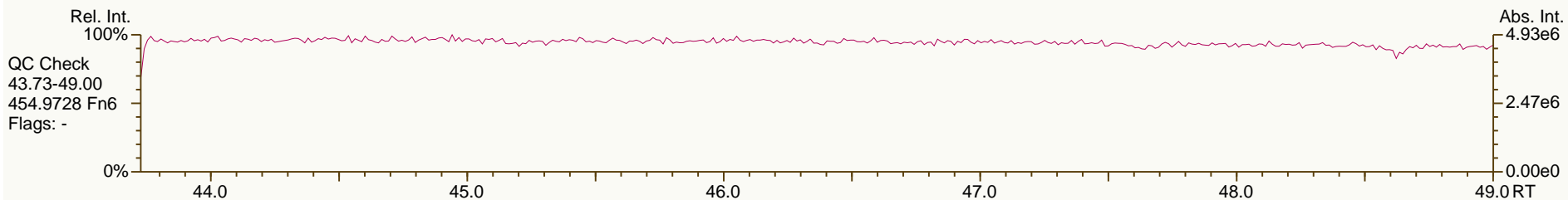
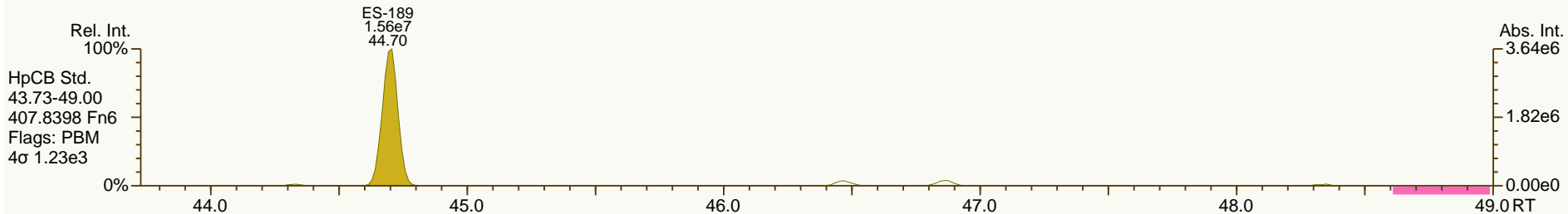
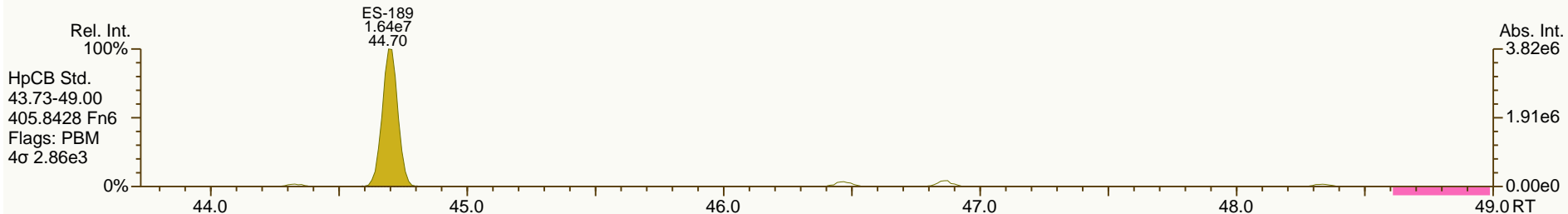
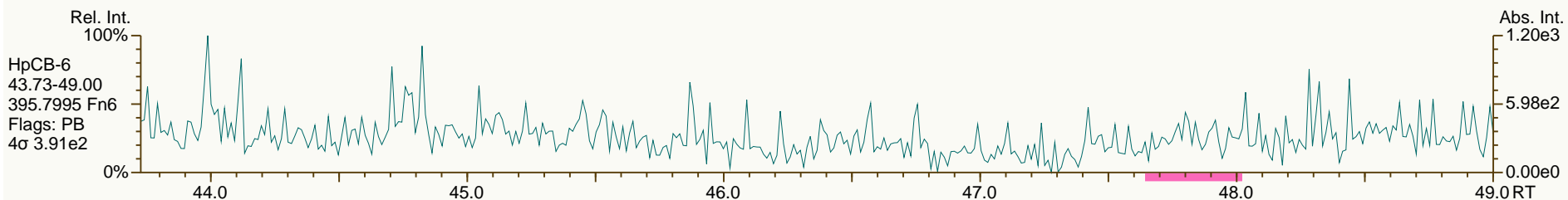
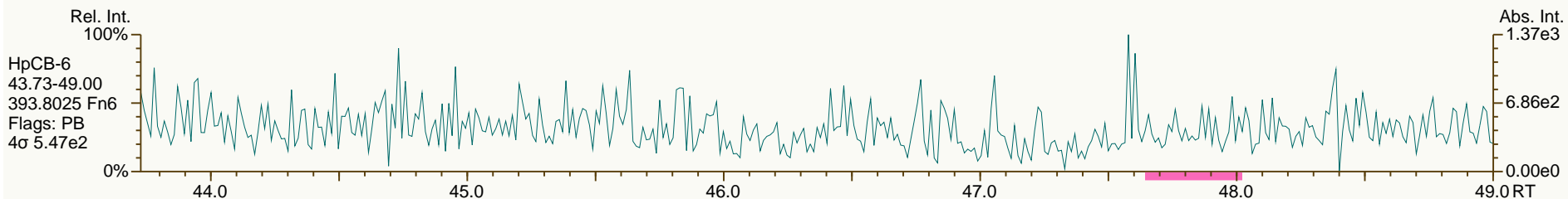
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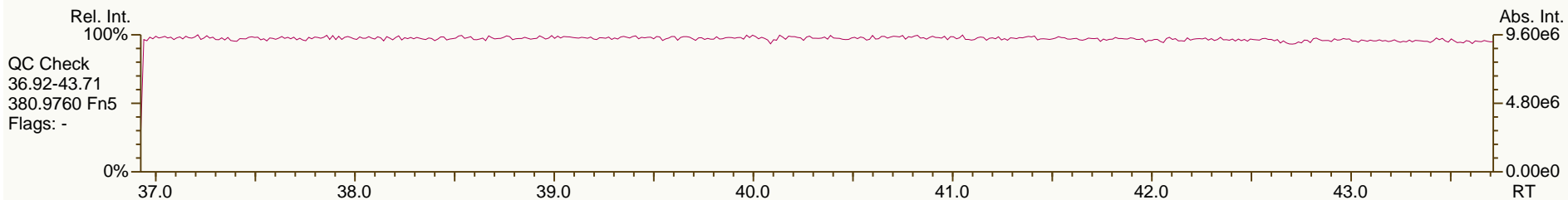
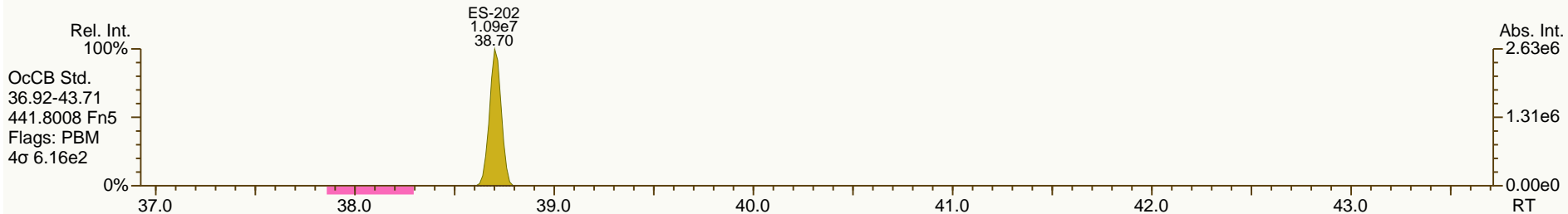
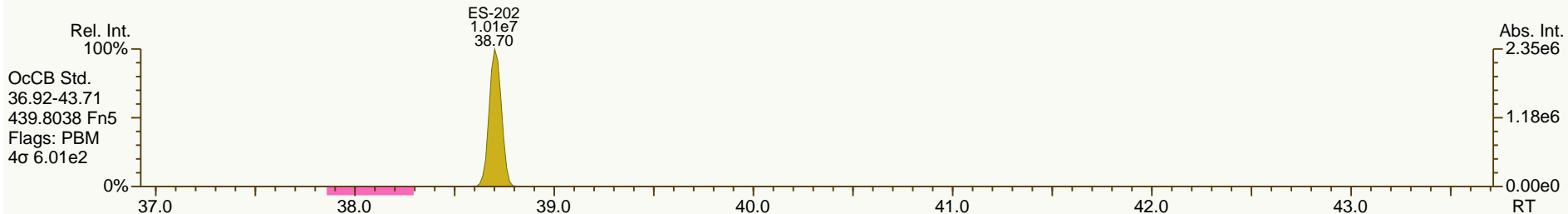
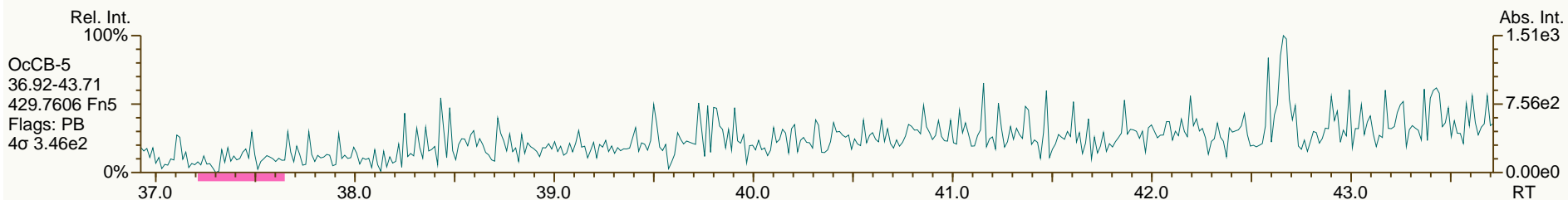
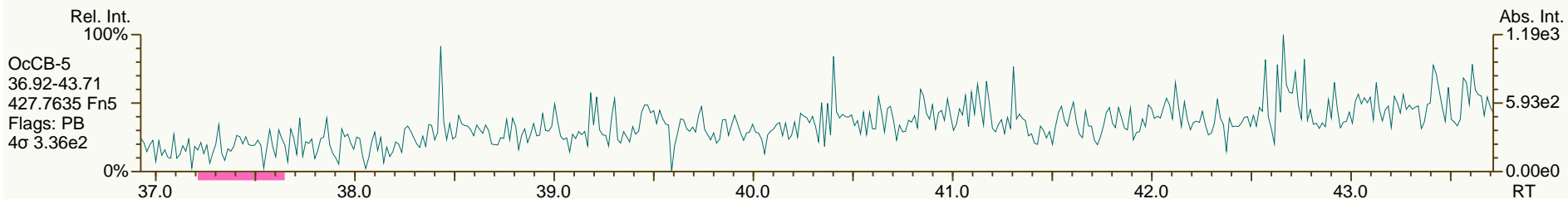
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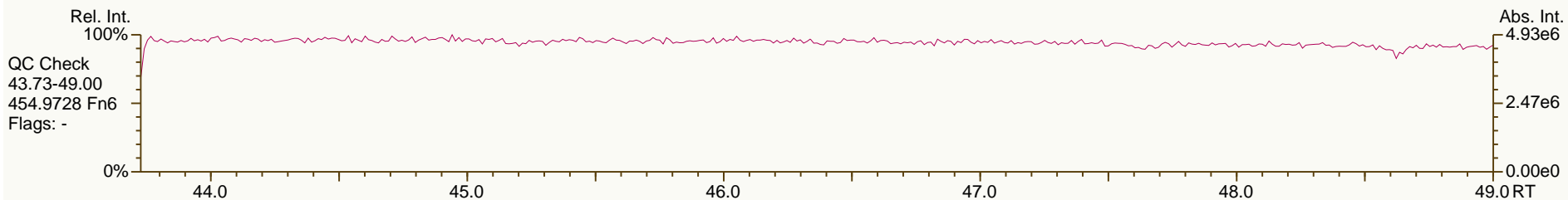
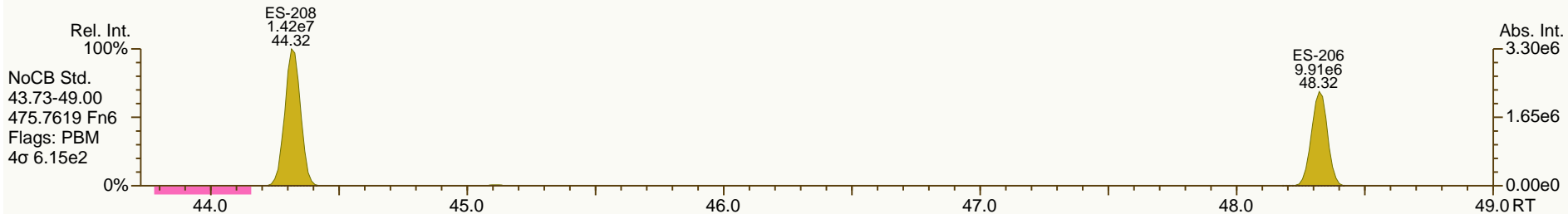
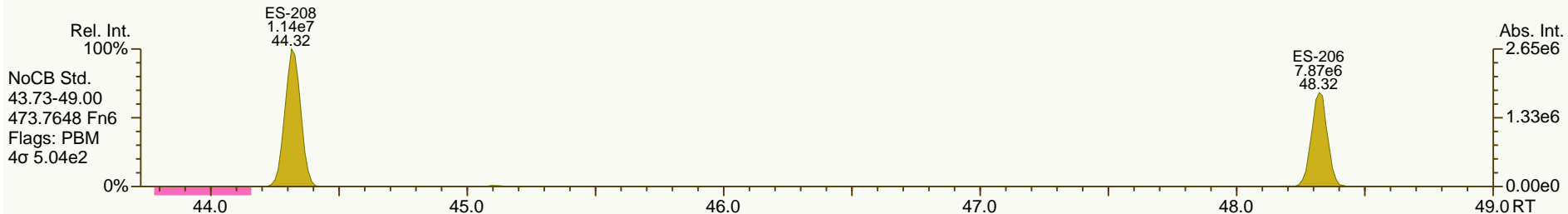
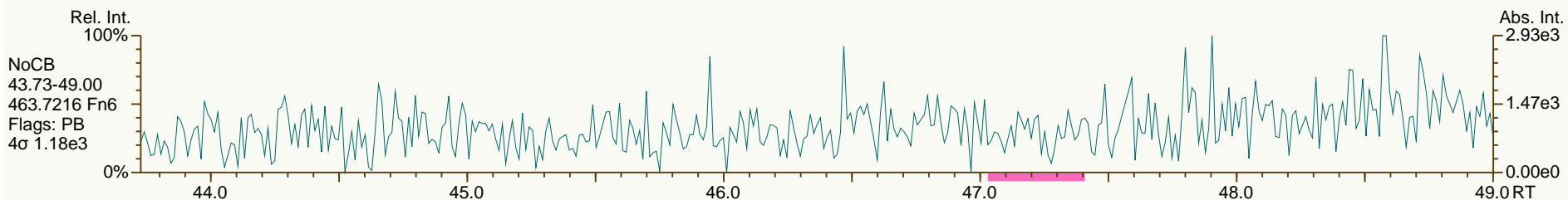
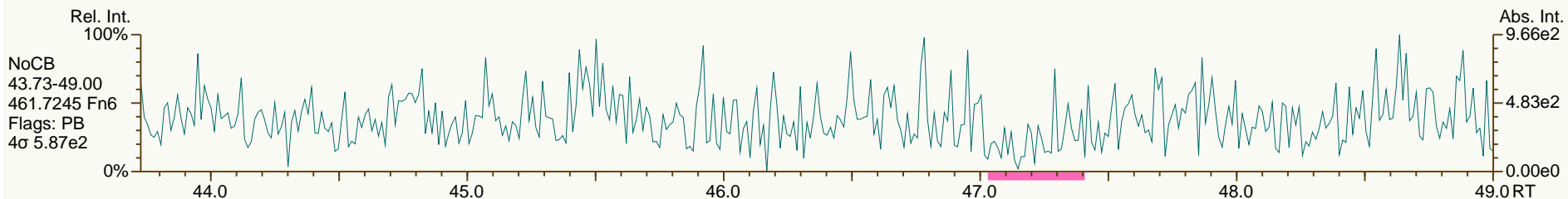
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 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

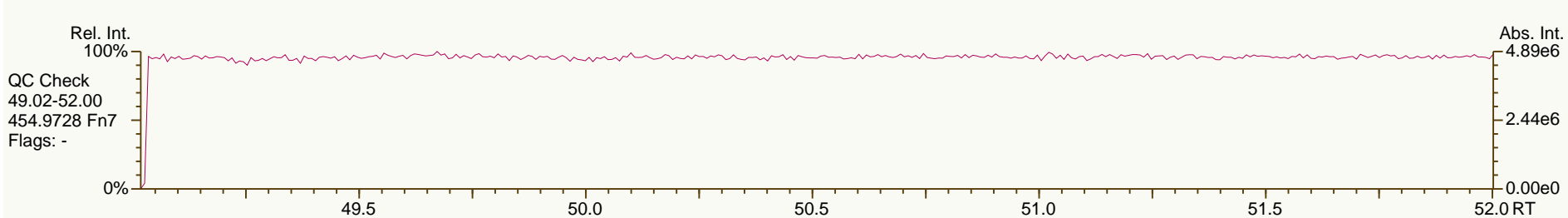
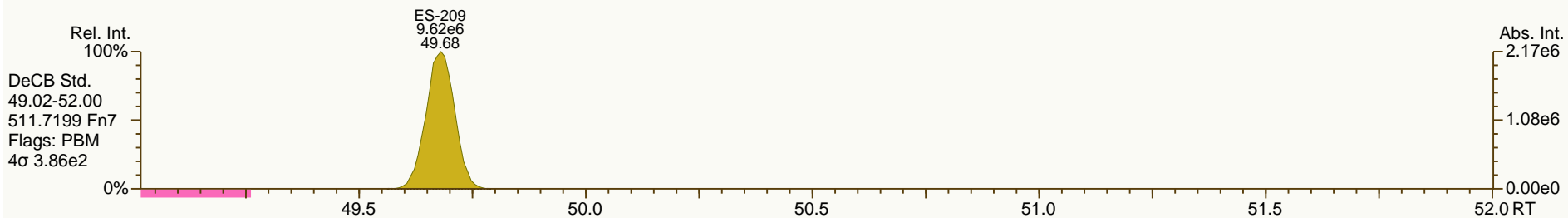
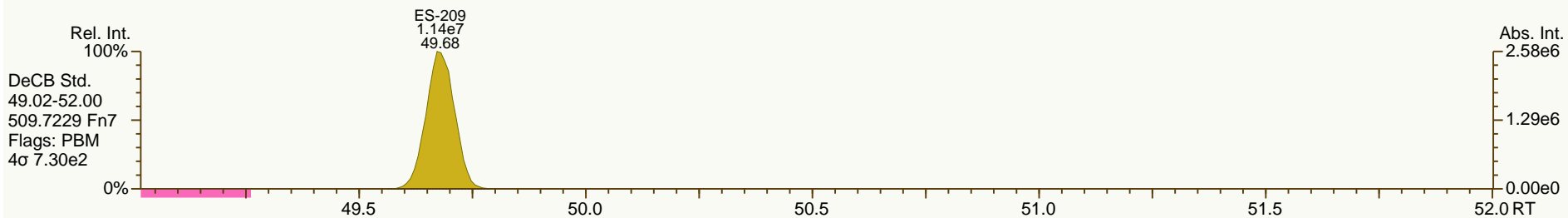
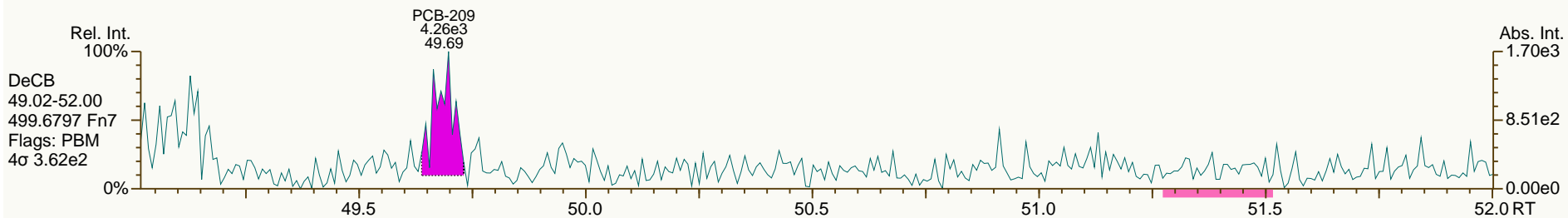
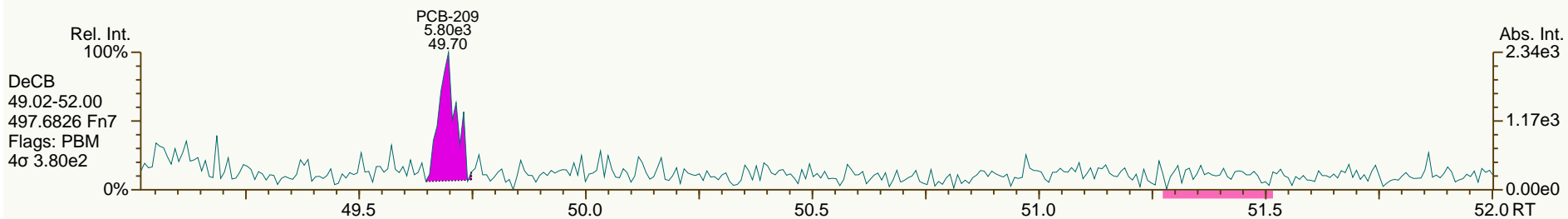
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 User: LKB Datafile: 130519X08



SGS-AP ID: A5462_10924_PCB_002
 Instr: AutoSpec-Premier MM7

Sample ID: JW-SSFB-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 25

Acq: 18-May-2013 21:30:05
 User: LKB Datafile: 130519X08



SGS Analytical Perspectives — Run Log

Project: A5462_10924_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130518P3-01	7	CS3_130518_DF_PA	1.00	11012012A	MDC	324-592	18-MAY-2013	22:47:04
2	130518P3-02	32	OPR1_10924_DF	1.00	0_10924_OPR001	MDC	587-774	18-MAY-2013	23:38:39
3	130518P3-03	15	SBS_130518_DF_PA	1.00	solvent blank	MDC		19-MAY-2013	00:30:11
4	130518P3-04	31	MB1_10924_DF_TLX	1.00	Method Blank A5462	MDC	779-008	19-MAY-2013	01:21:47
7	130518P3-07	35	A5462_10924_DF_001	0.99	JW-SSRB-130429	MDC	887-815	19-MAY-2013	03:56:28
8	130518P3-08	36	A5462_10924_DF_002	0.98	JW-SSFB-130429	MDC	485-973	19-MAY-2013	04:48:03
9	130518P3-09	7	CS3_130518_DF_PB	1.00	11012012A	MDC	628-043	19-MAY-2013	05:39:37

REVIEWED*By Michael D H Chu at 12:02 pm, May 20, 2013***APPROVED***By Amy Boehm at 4:36 pm, May 22, 2013*

Dioxin/Furan QC Summary		Acq'd: 18 May 2013 22:47 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PA		UTP: 19-May-2013 09:49 MDC			Checkcode: 324-592-KTW		
Sample ID: 11012012A		Report: 20 May 2013 11:22 MC			Datafile: 130518P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.34	3.82E+06	0.80	Y	1.06	1.12	6%
12378-PeCDD	33.64	1.33E+07	1.58	Y	0.94	1.01	8%
123478-HxCDD	38.29	1.21E+07	1.27	Y	1.02	1.09	6%
123678-HxCDD	38.43	1.19E+07	1.27	Y	1.04	1.10	6%
123789-HxCDD	38.76	1.30E+07	1.25	Y	0.98	1.05	7%
1234678-HpCDD	42.46	1.18E+07	1.05	Y	1.02	1.05	3%
OCDD	46.15	1.77E+07	0.91	Y	1.08	1.09	1%
2378-TCDF	26.34	5.55E+06	0.80	Y	0.97	1.07	10%
12378-PeCDF	31.90	2.22E+07	1.55	Y	1.00	1.06	6%
23478-PeCDF	33.23	2.14E+07	1.54	Y	0.96	1.03	7%
123478-HxCDF	37.12	1.94E+07	1.26	Y	1.23	1.26	2%
123678-HxCDF	37.28	1.99E+07	1.25	Y	1.14	1.18	4%
234678-HxCDF	38.07	1.92E+07	1.25	Y	1.14	1.20	5%
123789-HxCDF	39.19	1.74E+07	1.23	Y	1.13	1.22	8%
1234678-HpCDF	41.17	1.69E+07	1.05	Y	1.34	1.42	6%
1234789-HpCDF	43.06	1.49E+07	1.06	Y	1.30	1.32	1%
OCDF	46.39	2.39E+07	0.90	Y	1.00	1.07	7%
ES 2378-TCDD	27.31	3.39E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	33.62	2.64E+07	1.61	Y	0.90	0.81	-10%
ES 123478-HxCDD	38.27	2.21E+07	1.26	Y	0.99	0.96	-3%
ES 123678-HxCDD	38.41	2.18E+07	1.28	Y	1.02	0.95	-8%
ES 123789-HxCDD	38.75	2.48E+07	1.24	Y	1.12	1.08	-3%
ES 1234678-HpCDD	42.45	2.23E+07	1.08	Y	0.90	0.97	7%
ES OCDD	46.13	3.25E+07	0.92	Y	0.74	0.71	-5%
ES 2378-TCDF	26.32	5.18E+07	0.80	Y	1.05	0.99	-6%
ES 12378-PeCDF	31.88	4.21E+07	1.57	Y	0.88	0.80	-8%
ES 23478-PeCDF	33.21	4.13E+07	1.56	Y	0.91	0.79	-13%
ES 123478-HxCDF	37.10	3.07E+07	0.51	Y	1.25	1.34	7%
ES 123678-HxCDF	37.26	3.39E+07	0.54	Y	1.40	1.47	5%
ES 234678-HxCDF	38.05	3.21E+07	0.52	Y	1.29	1.39	8%
ES 123789-HxCDF	39.17	2.85E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	41.15	2.38E+07	0.46	Y	1.03	1.04	1%
ES 1234789-HpCDF	43.05	2.26E+07	0.45	Y	0.89	0.98	11%
ES OCDF	46.38	4.46E+07	0.92	Y	1.00	0.97	-3%

Dioxin/Furan QC Summary		Acq'd: 18 May 2013 22:47 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PA		UTP: 19-May-2013 09:49 MDC			Checkcode: 324-592		
Sample ID: 11012012A		Report: 20 May 2013 11:22 MC			Datafile: 130518P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.56	3.26E+07	0.81	Y	-	-	-
JS 1234-TCDF	24.78	5.23E+07	0.79	Y	-	-	-
JS 123467-HxCDD	38.63	1.15E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	27.34	3.66E+06	n/a	-	1.10	1.12	2%
CS 12347-PeCDD	33.02	2.55E+07	1.65	Y	0.79	0.78	-1%
CS 12346-PeCDF	31.25	4.12E+07	1.58	Y	0.87	0.79	-9%
CS 123469-HxCDF	37.63	2.89E+07	0.52	Y	1.21	1.26	4%
CS 1234689-HpCDF	41.73	2.40E+07	0.46	Y	0.89	1.04	16%
SS 37C1-2378-TCDD	27.34	3.66E+06	n/a	-	1.09	1.08	-1%
SS 12347-PeCDD	33.02	2.55E+07	1.65	Y	0.89	0.97	9%
SS 12346-PeCDF	31.25	4.12E+07	1.58	Y	0.99	0.98	-1%
SS 123469-HxCDF	37.63	2.89E+07	0.52	Y	0.87	0.85	-1%
SS 1234689-HpCDF	41.73	2.40E+07	0.46	Y	0.87	1.01	15%
AS 1368-TCDD	23.17	3.35E+07	0.77	Y	1.00	1.03	3%
AS 1368-TCDF	20.98	6.37E+07	0.79	Y	1.20	1.22	2%
FS 1278-TCDD	27.69	3.89E+07	0.79	Y	1.18	1.15	-3%
FS 12478-PeCDD	32.16	2.93E+07	1.58	Y	1.07	1.11	4%
FS 123468-HxCDD	NotFnd						
FS 1234679-HpCDD	41.54	2.62E+07	1.04	Y	1.18	1.17	-1%
TS 1378-TCDD	25.42	3.68E+07	0.78	Y	1.12	1.08	-3%
OCDD-a	46.14	1.01E+06	2.57	Y	0.07	0.06	-7%
OCDF-a	46.39	1.48E+06	2.74	Y	0.06	0.07	8%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-01 Analysis Date: 18-MAY-2013 22:47:04

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.6	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	53.8	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	53.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	52.9	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	53.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	51.5	43 - 58	Y
OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	101	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	11	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	53	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	53.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.1	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	51.8	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	52.3	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	53.8	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.05	0.88 - 1.20	Y	52.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	50.7	43 - 58	Y
OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	107	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 20 May 2013 11:22 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-01 Analysis Date: 18-MAY-2013 22:47:04

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	103	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	90.2	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	96.8	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	92.5	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	96.5	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.08	0.88 - 1.20	Y	107	72 - 138	Y
13C-OCDD	M+2/M+4	0.92	0.76 - 1.02	Y	191	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.80	0.65 - 0.89	Y	94	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	91.5	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32 - 1.78	Y	86.8	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43 - 0.59	Y	107	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	105	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	108	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	101	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	111	77 - 129	Y
13C-OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	194	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.2	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	98.6	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	90.8	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	104	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	116	70 - 130	Y

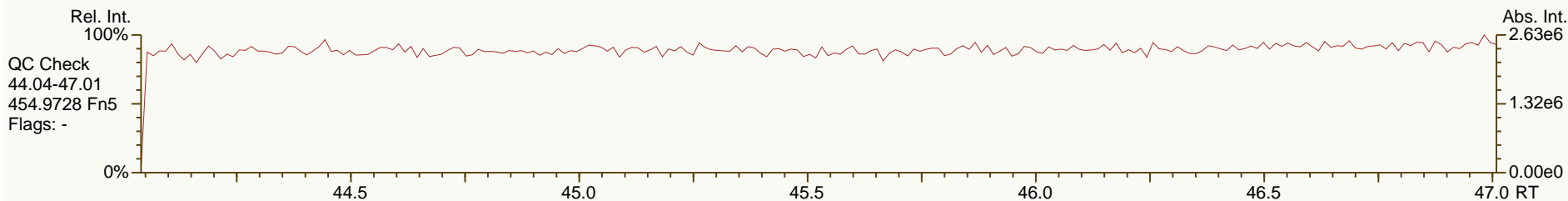
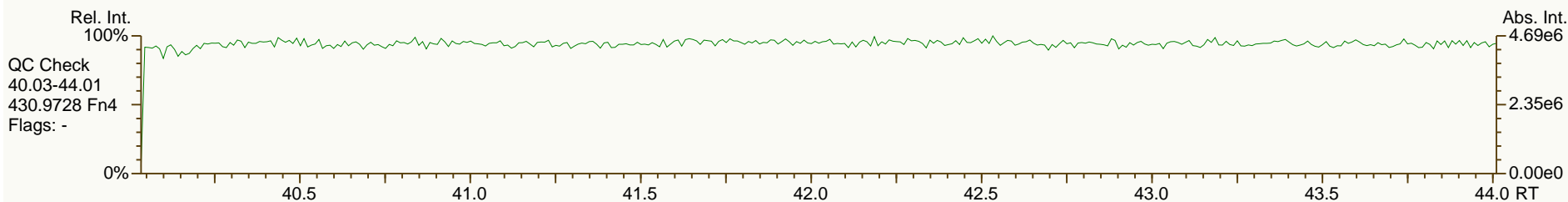
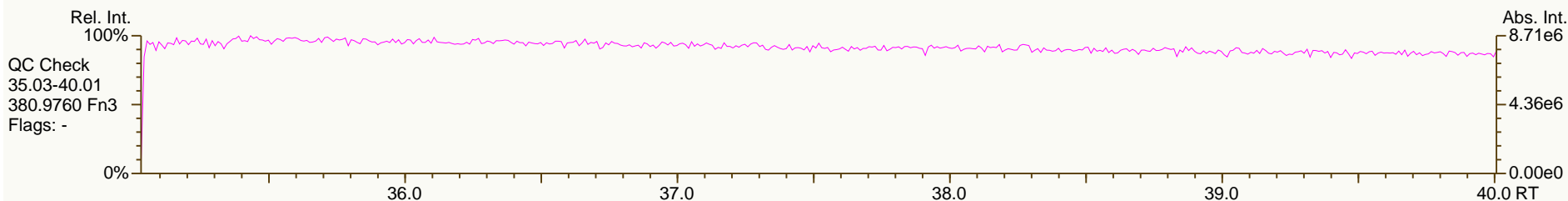
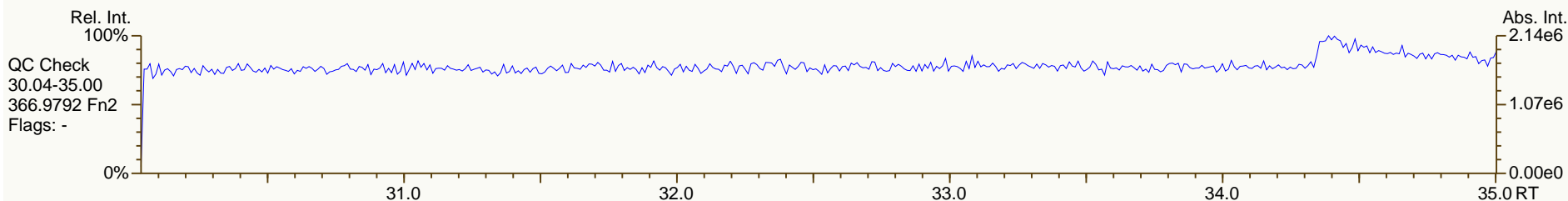
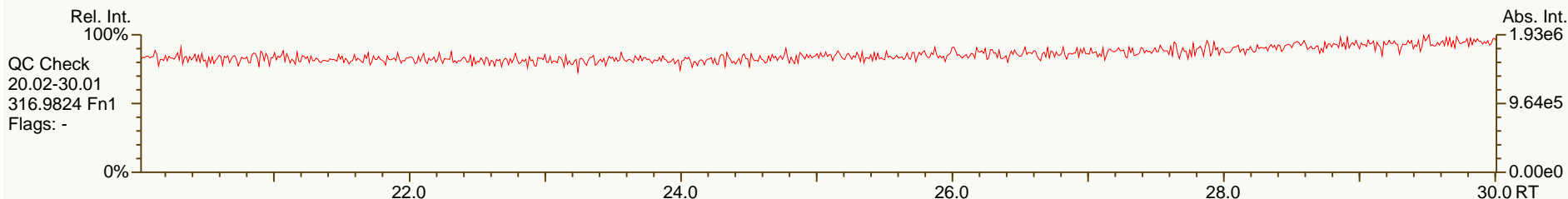
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Analyst: MC

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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

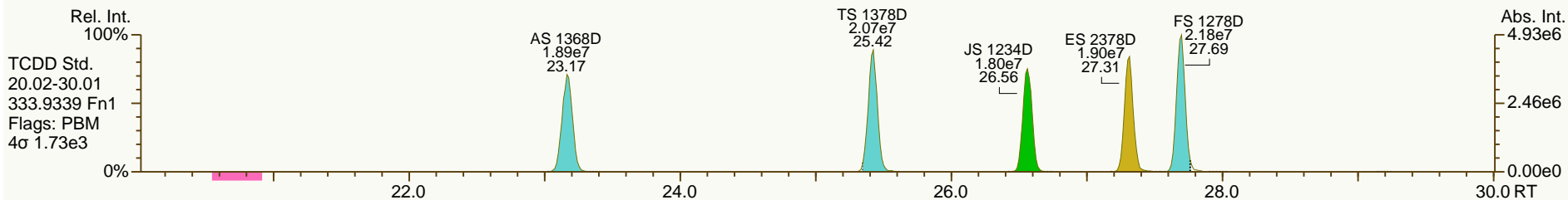
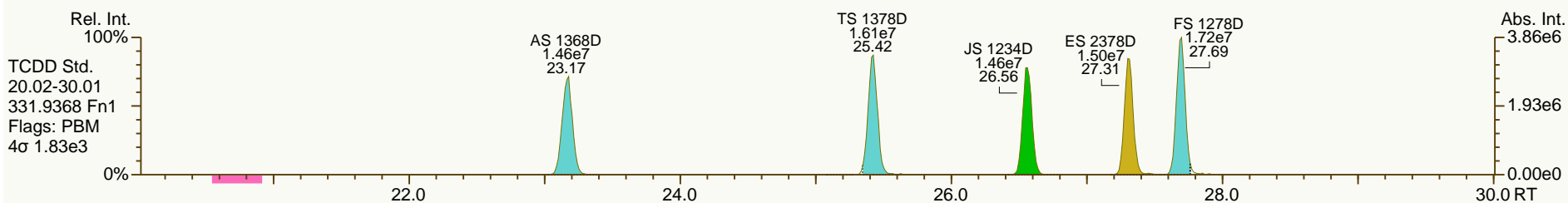
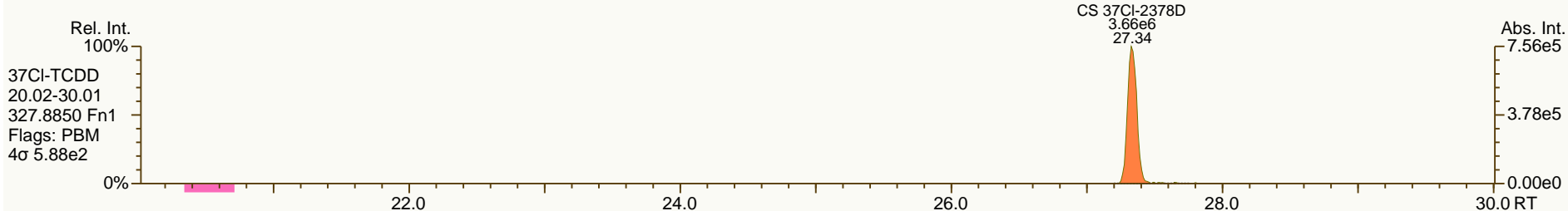
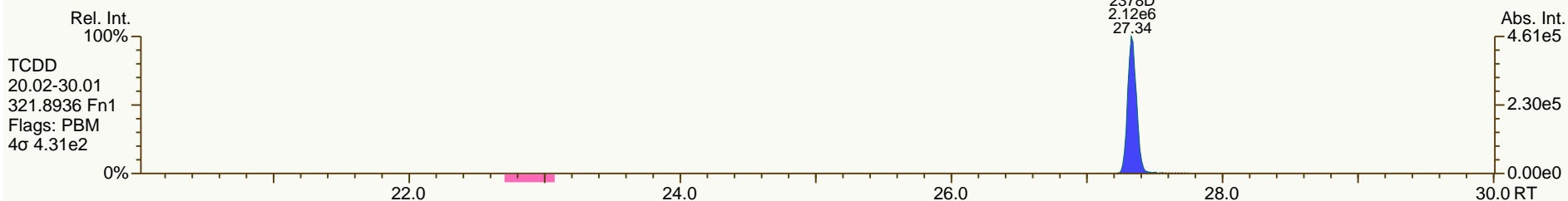
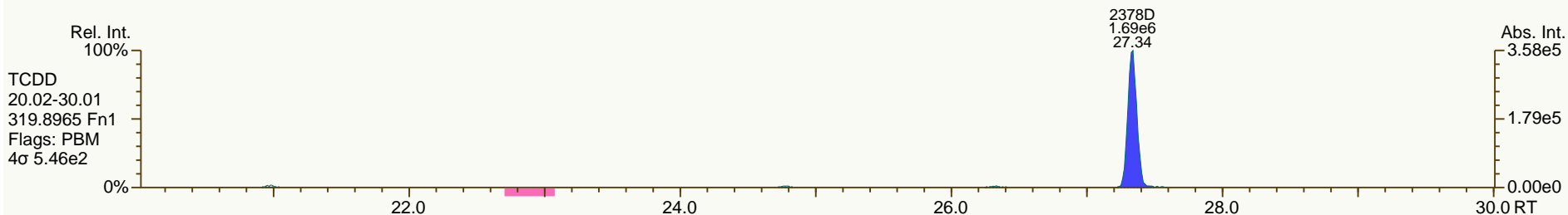
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 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

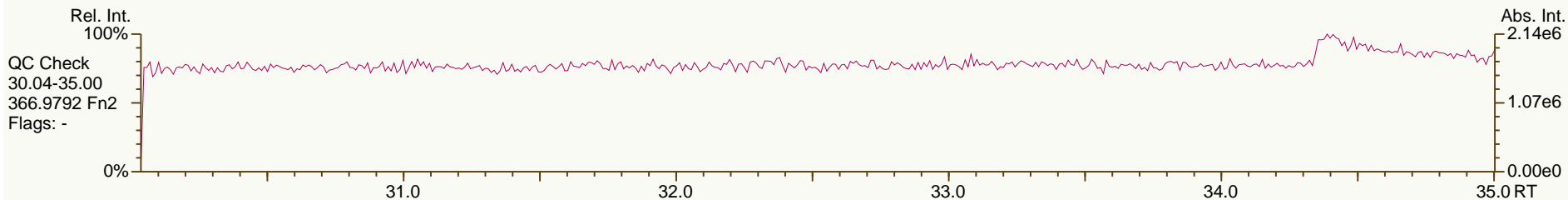
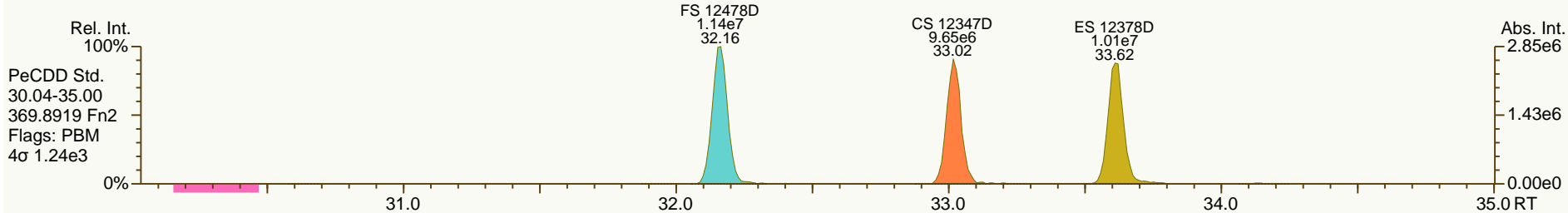
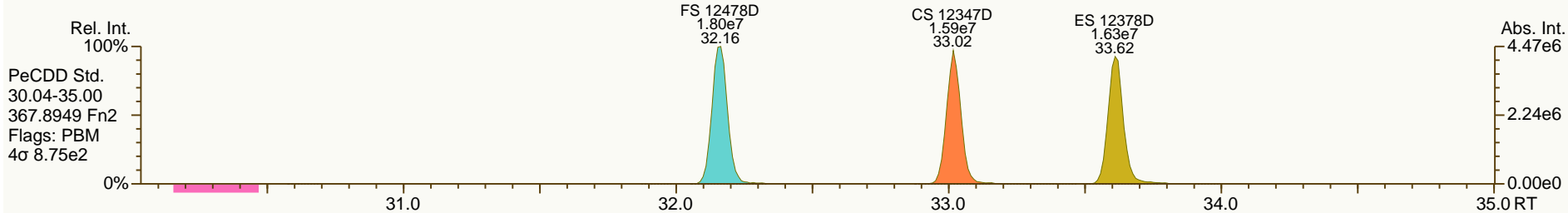
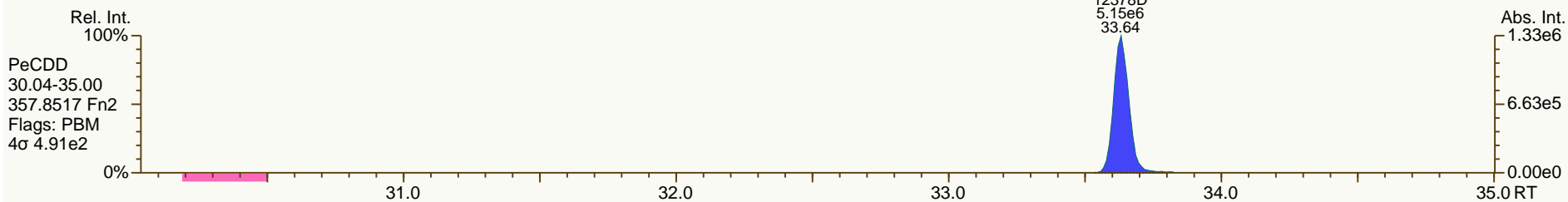
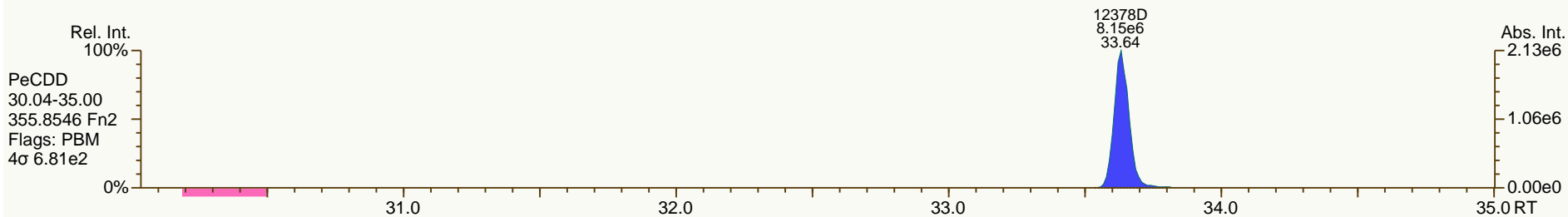
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

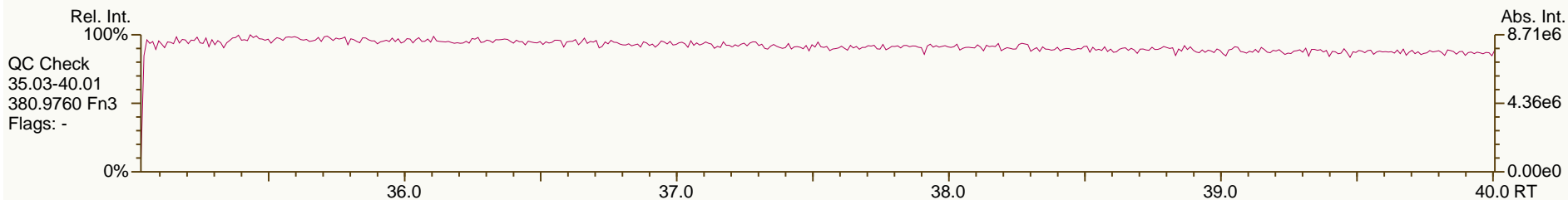
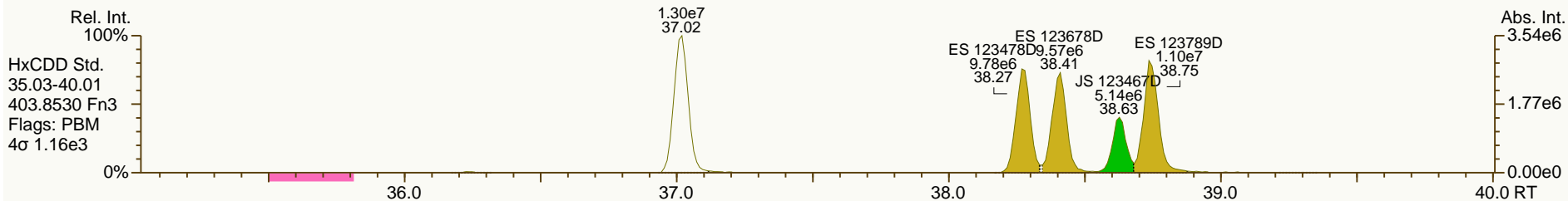
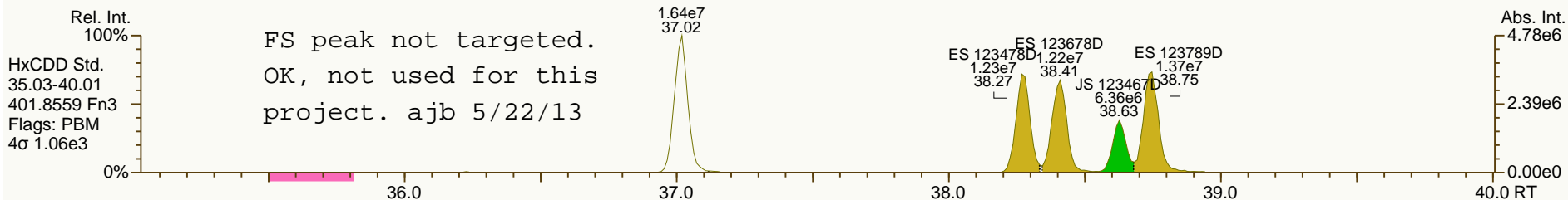
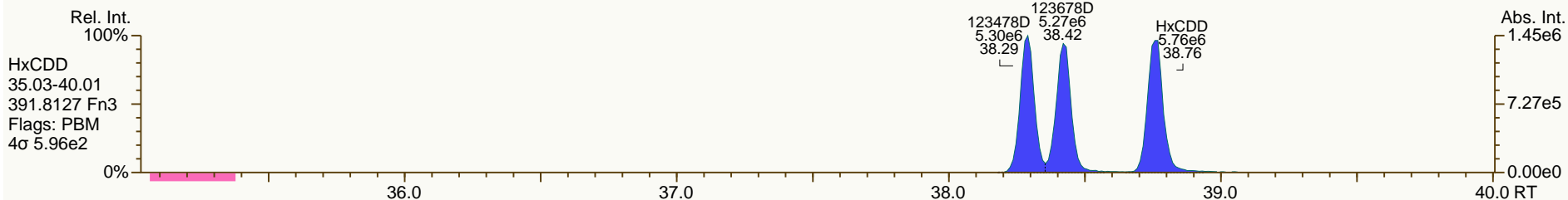
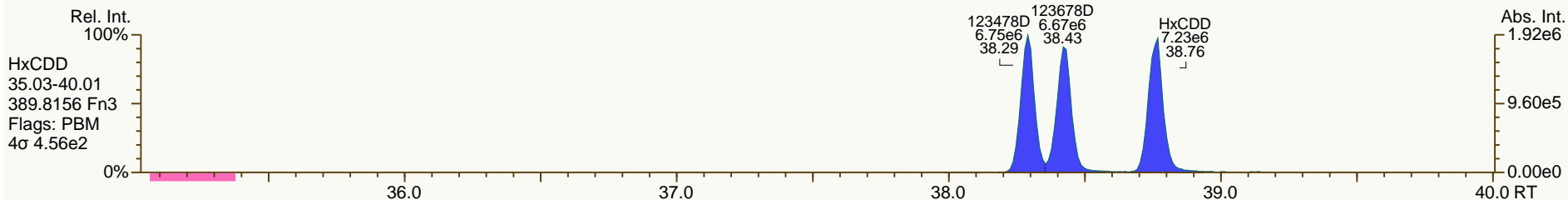
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

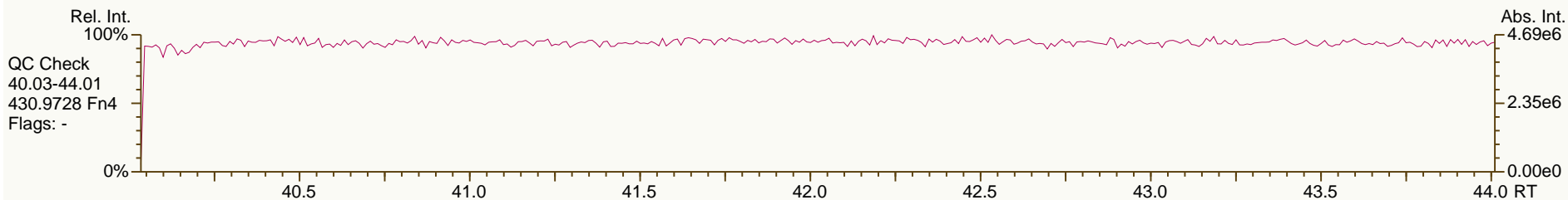
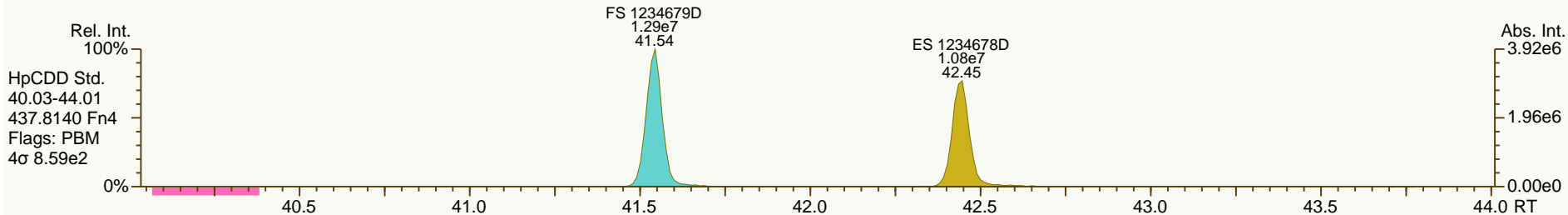
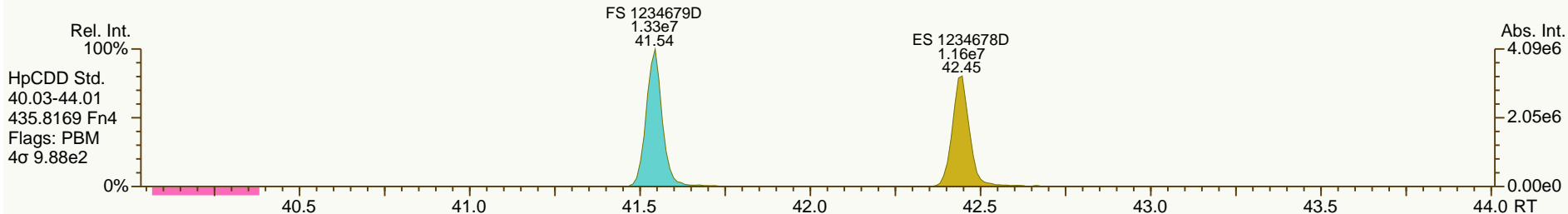
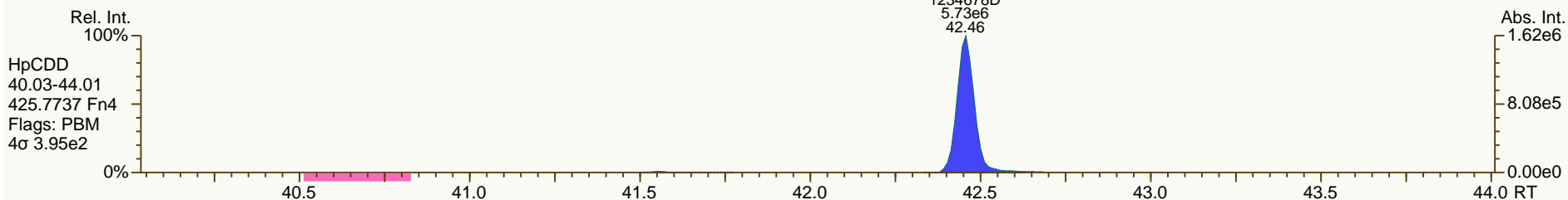
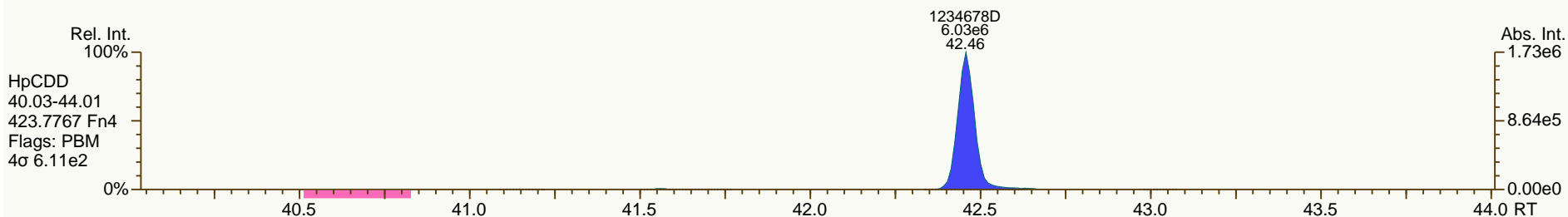
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

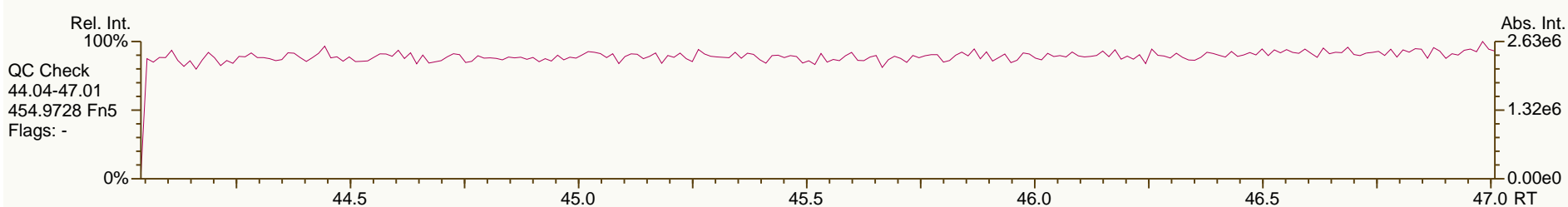
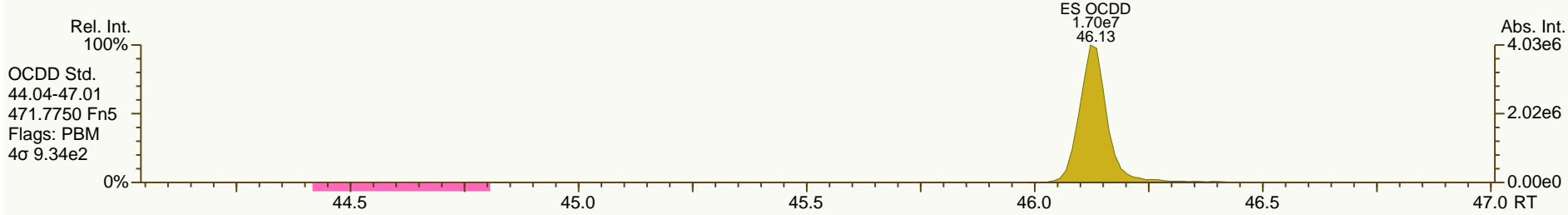
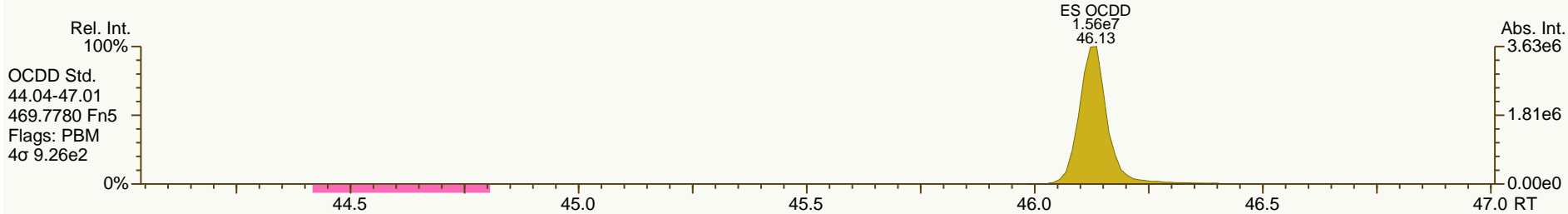
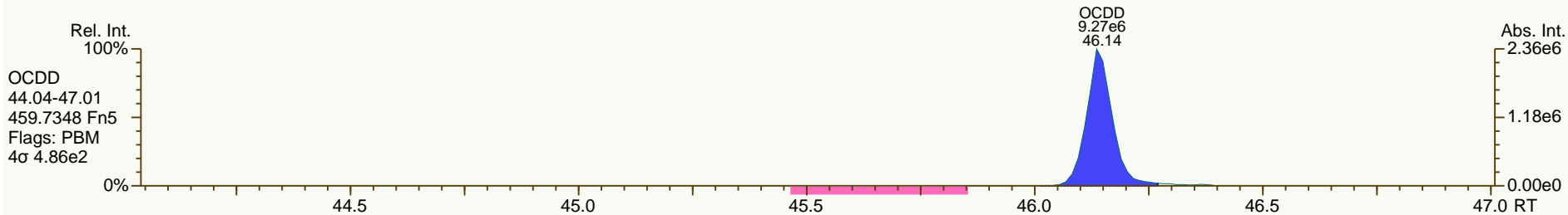
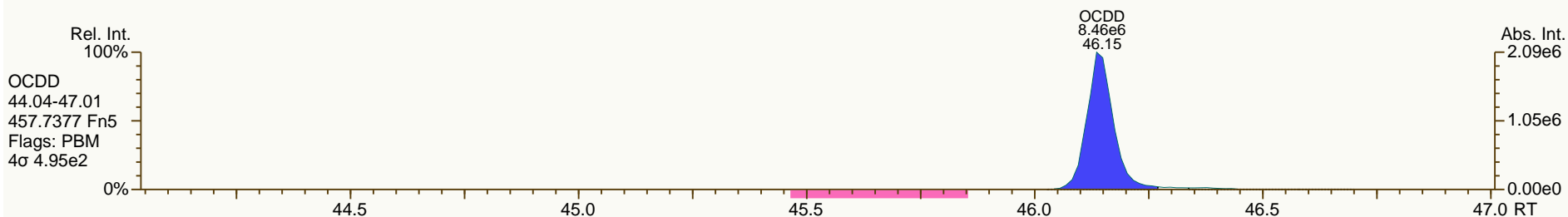
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

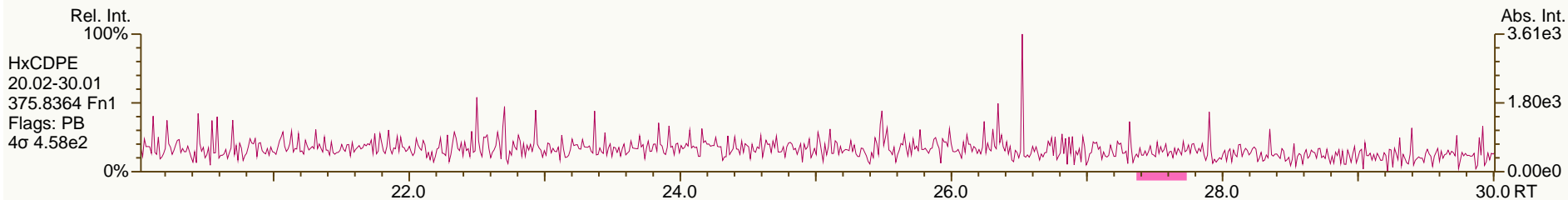
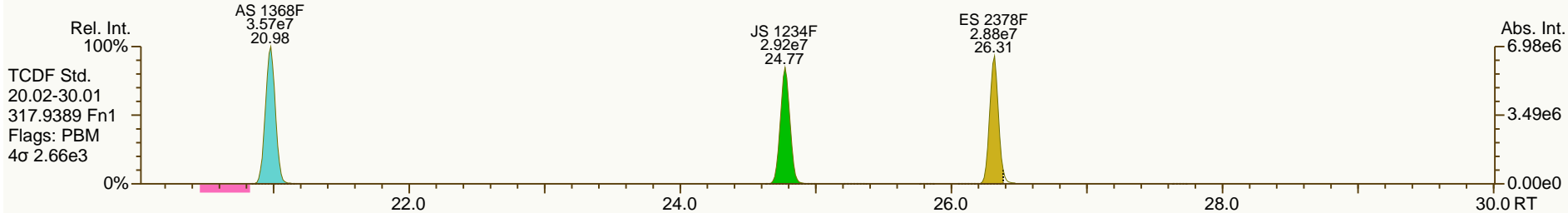
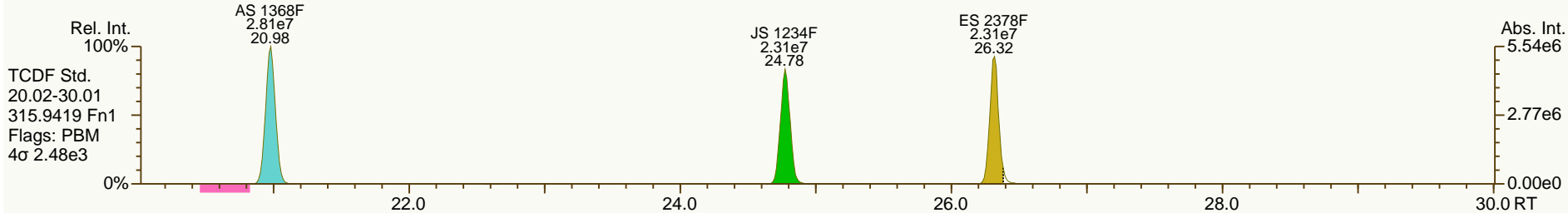
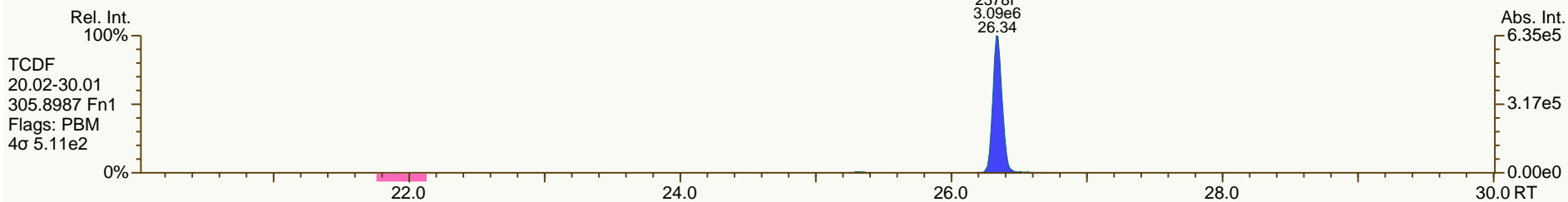
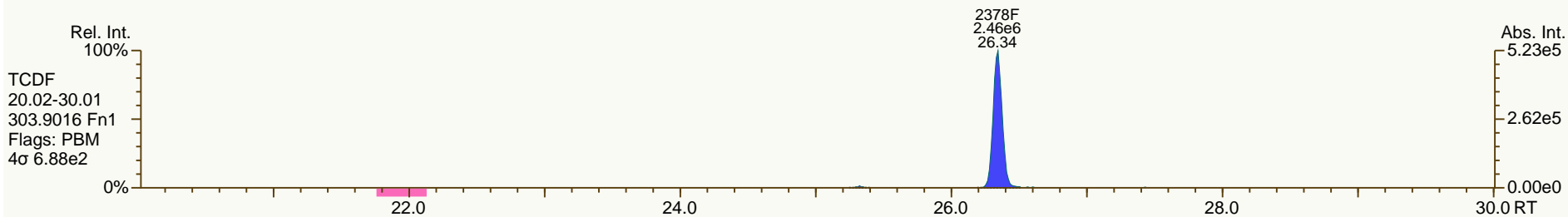
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

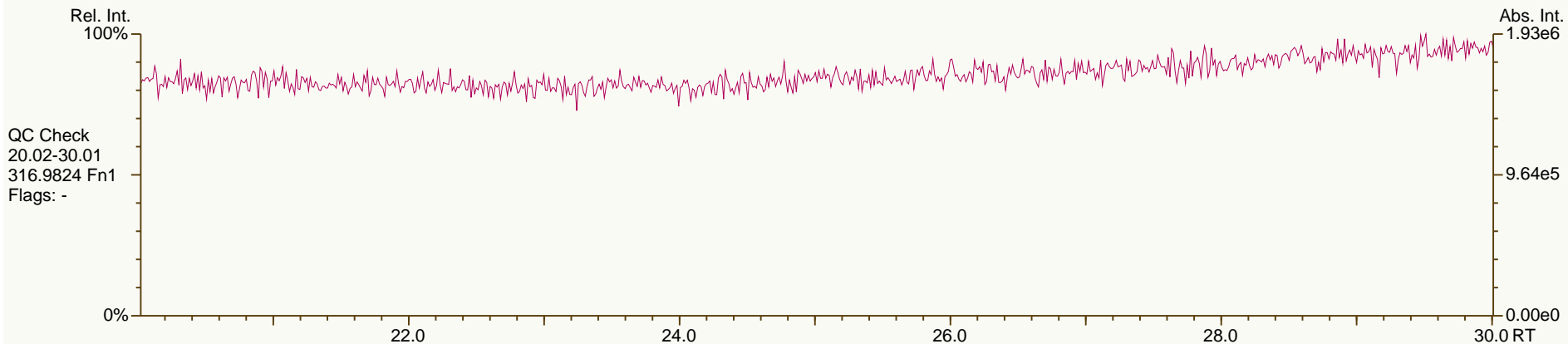
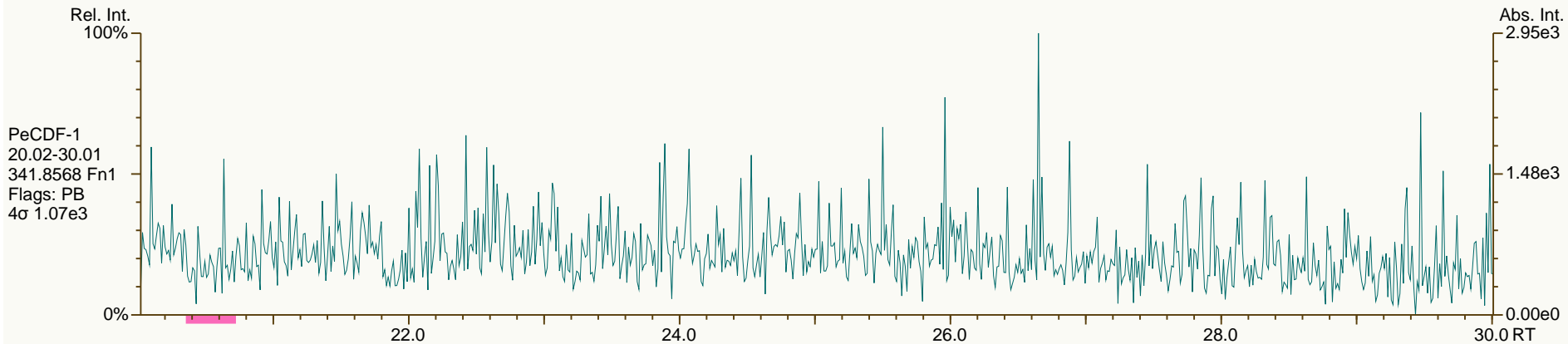
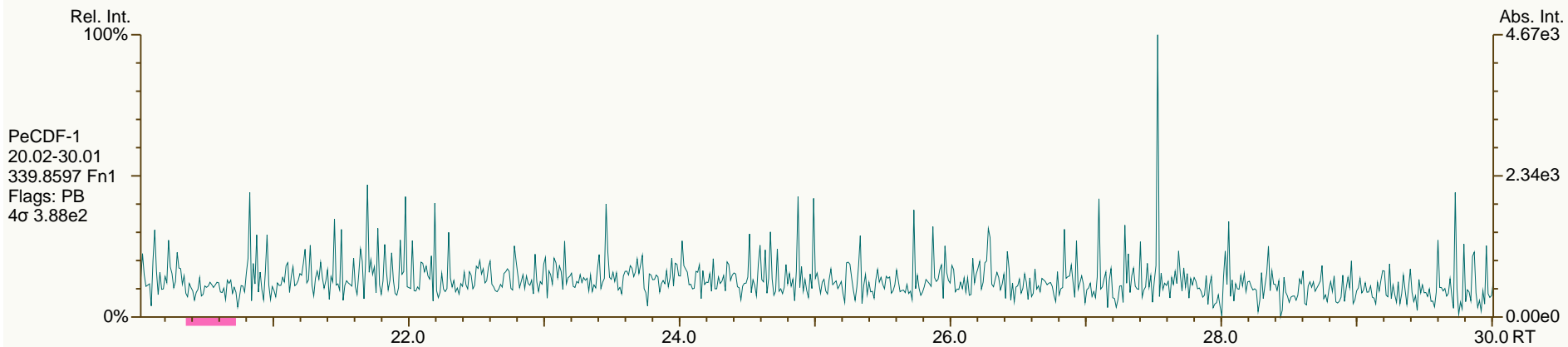
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

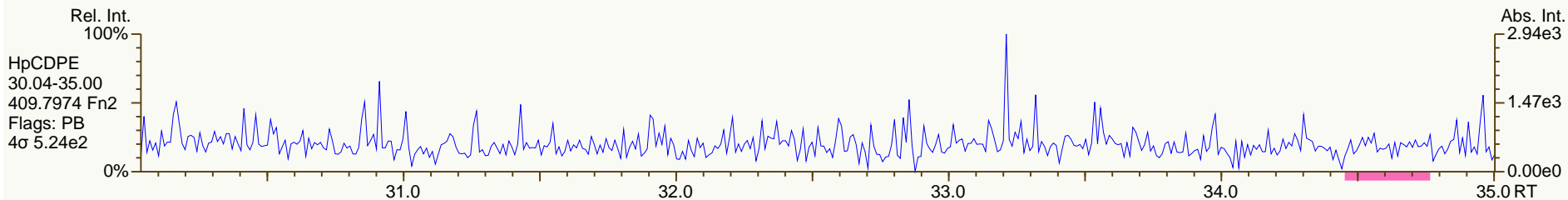
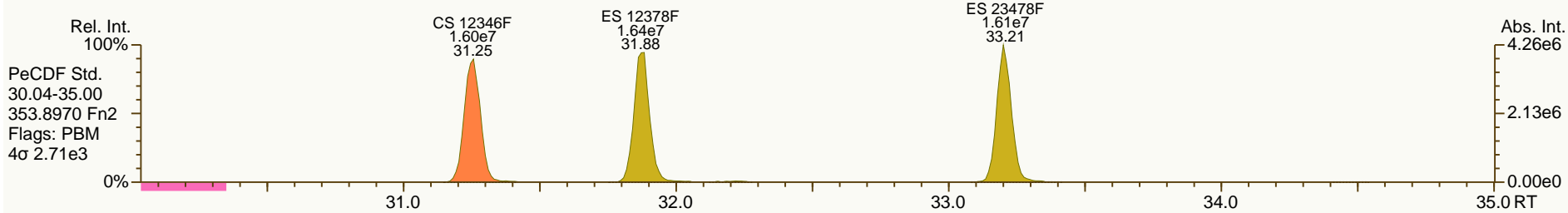
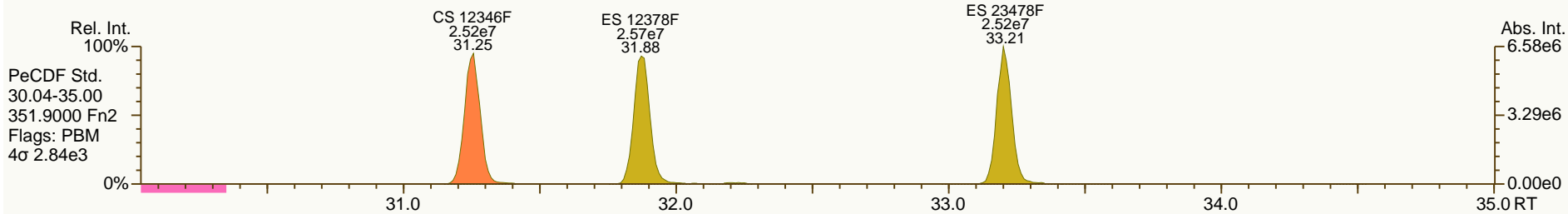
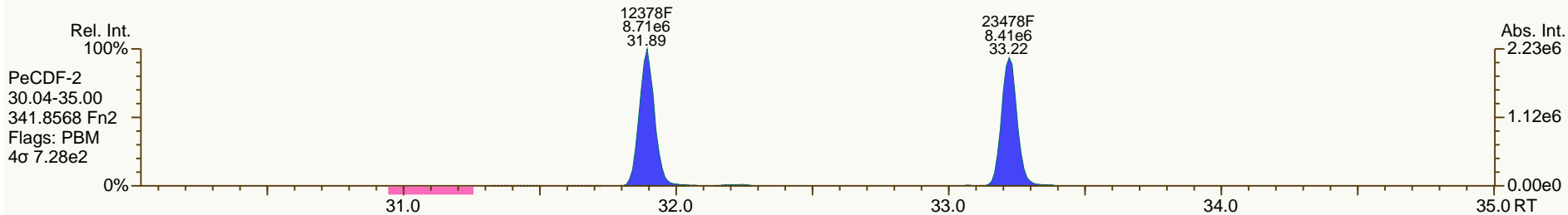
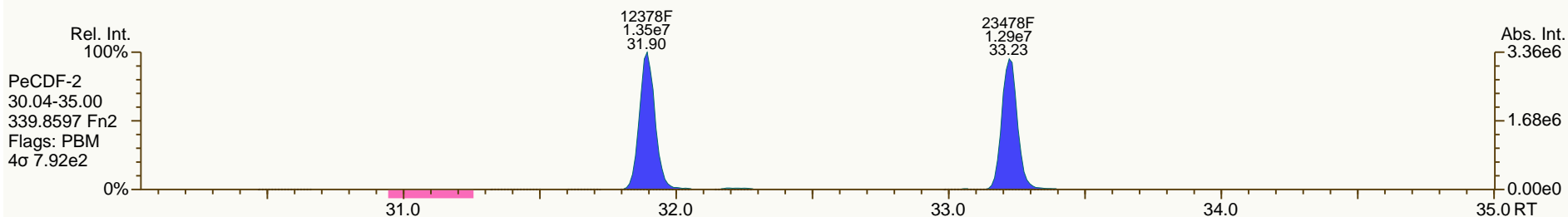
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SGS-AP ID: CS3_130518_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

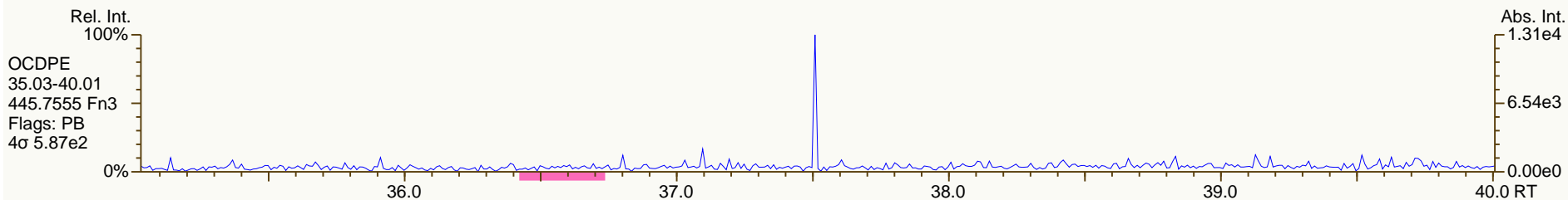
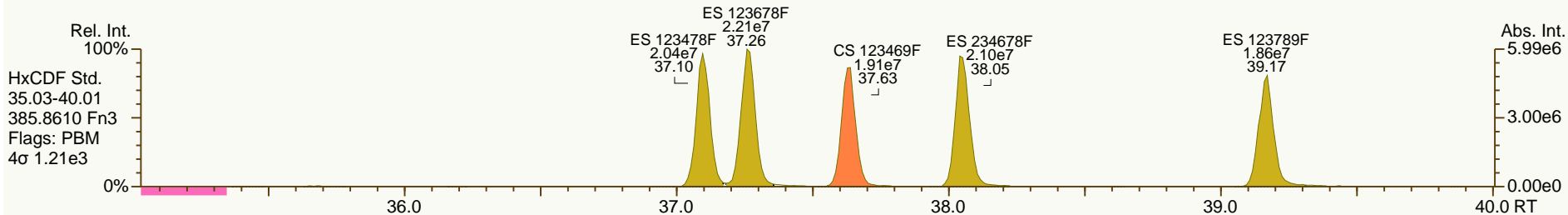
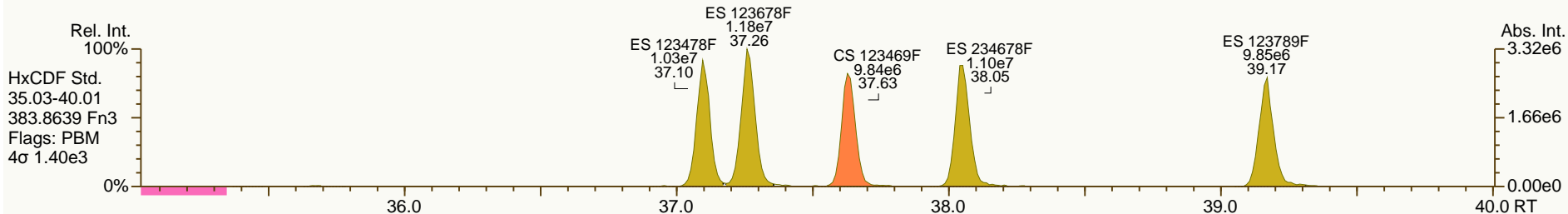
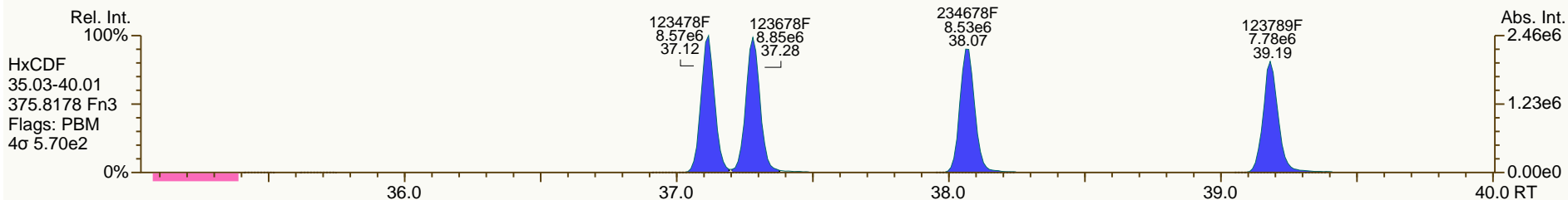
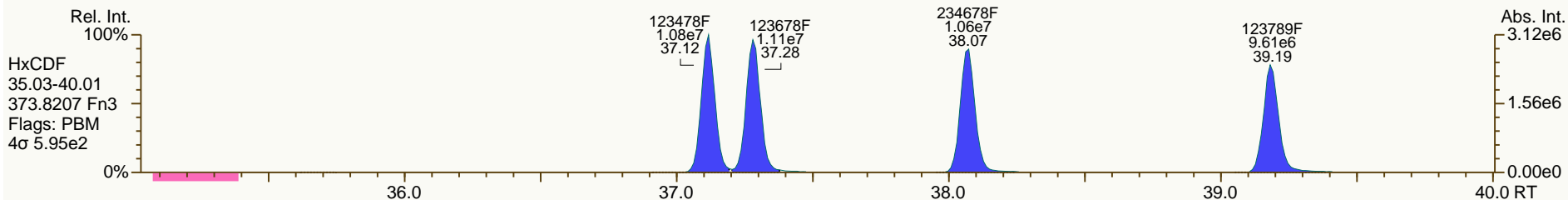
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User: MDC Datafile: 130518P3-01



SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

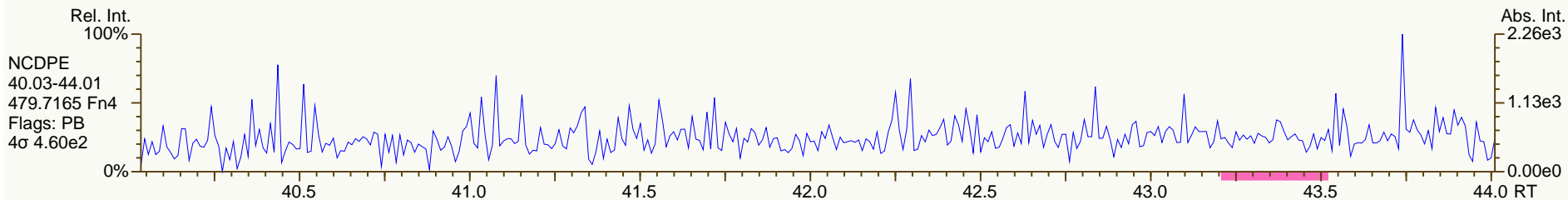
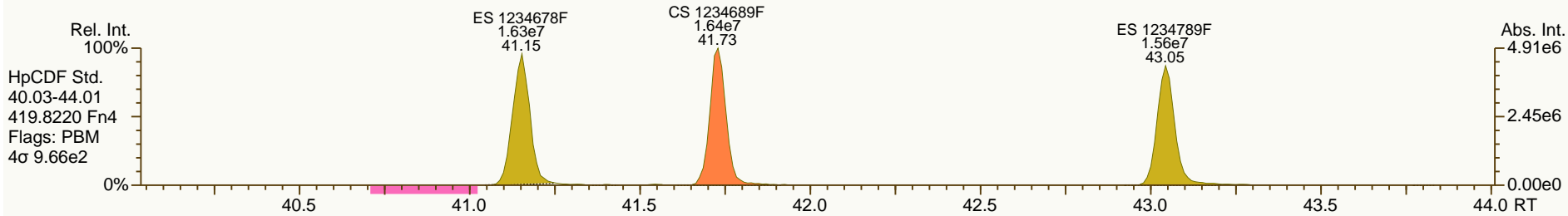
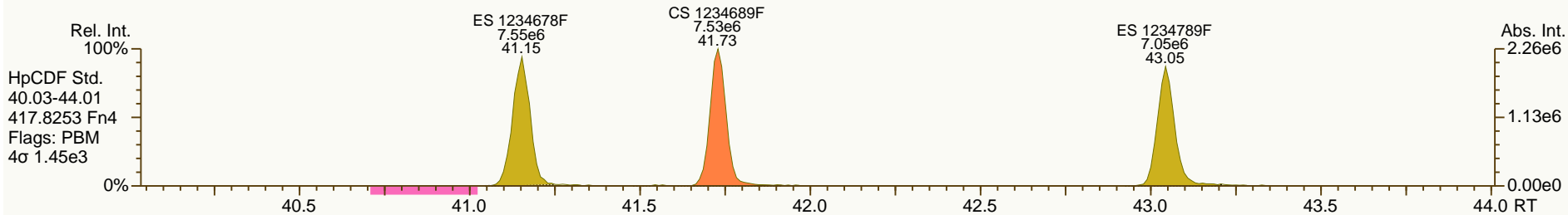
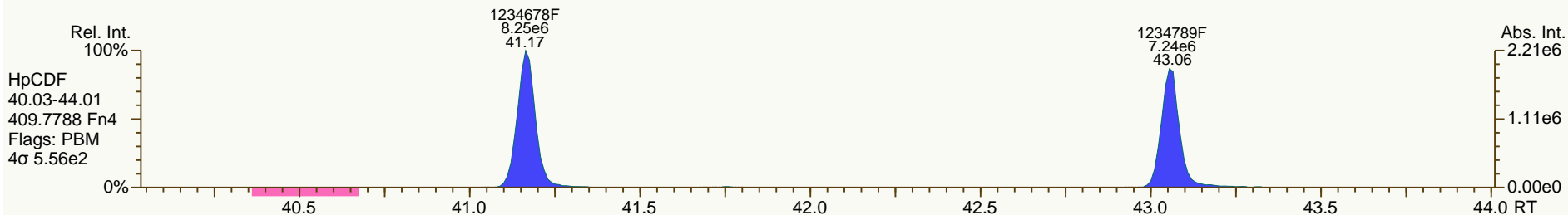
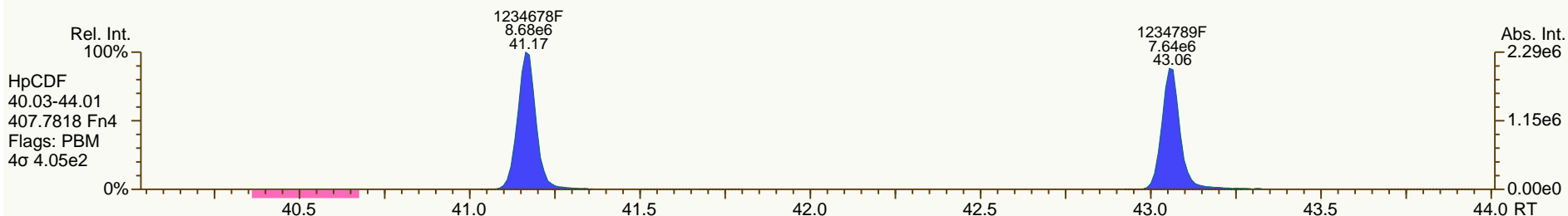
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

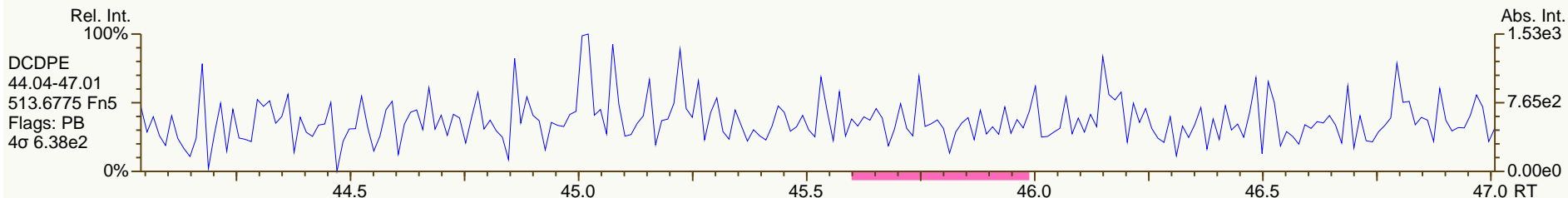
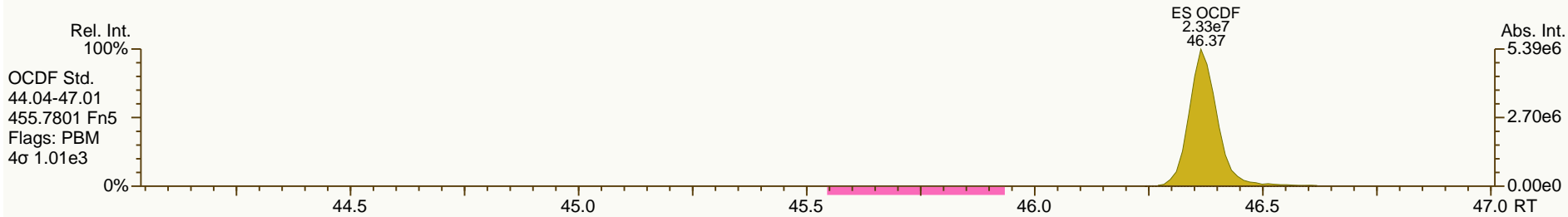
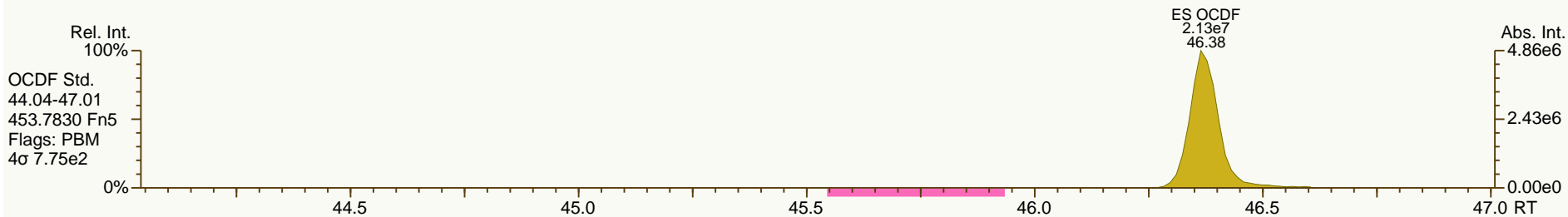
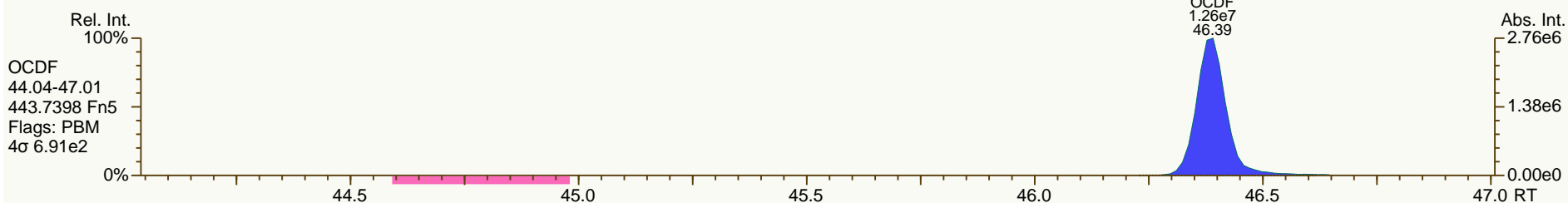
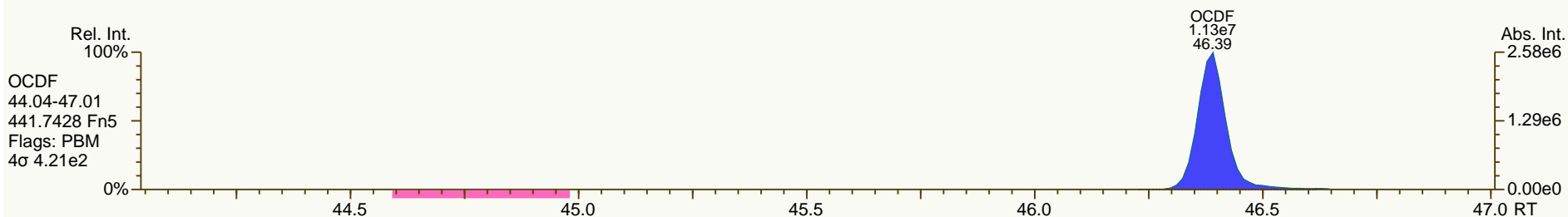
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SGS-AP ID: CS3_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 18-MAY-2013 22:47:04
 User: MDC Datafile: 130518P3-01



Dioxin/Furan QC Summary		Acq'd: 19 May 2013 05:39 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PB		UTP: 19-May-2013 09:45 MDC			Checkcode: 628-043-CZM		
Sample ID: 11012012A		Report: 20 May 2013 11:23 MC			Datafile: 130518P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.33	3.72E+06	0.80	Y	1.06	1.15	8%
12378-PeCDD	33.63	1.33E+07	1.57	Y	0.94	1.02	8%
123478-HxCDD	38.28	1.21E+07	1.29	Y	1.02	1.11	8%
123678-HxCDD	38.42	1.23E+07	1.29	Y	1.04	1.13	9%
123789-HxCDD	38.76	1.33E+07	1.26	Y	0.98	1.06	8%
1234678-HpCDD	42.45	1.20E+07	1.06	Y	1.02	1.05	3%
OCDD	46.14	1.86E+07	0.90	Y	1.08	1.13	4%
2378-TCDF	26.34	5.54E+06	0.81	Y	0.97	1.06	9%
12378-PeCDF	31.89	2.21E+07	1.55	Y	1.00	1.08	8%
23478-PeCDF	33.22	2.15E+07	1.54	Y	0.96	1.06	10%
123478-HxCDF	37.11	2.01E+07	1.27	Y	1.23	1.30	5%
123678-HxCDF	37.28	2.04E+07	1.26	Y	1.14	1.16	2%
234678-HxCDF	38.07	1.99E+07	1.25	Y	1.14	1.22	7%
123789-HxCDF	39.18	1.79E+07	1.26	Y	1.13	1.21	7%
1234678-HpCDF	41.16	1.83E+07	1.06	Y	1.34	1.38	3%
1234789-HpCDF	43.06	1.52E+07	1.06	Y	1.30	1.33	3%
OCDF	46.39	2.43E+07	0.92	Y	1.00	1.13	13%
ES 2378-TCDD	27.31	3.22E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	33.61	2.62E+07	1.62	Y	0.90	0.82	-8%
ES 123478-HxCDD	38.27	2.18E+07	1.30	Y	0.99	0.97	-3%
ES 123678-HxCDD	38.40	2.18E+07	1.25	Y	1.02	0.97	-6%
ES 123789-HxCDD	38.74	2.51E+07	1.28	Y	1.12	1.11	0%
ES 1234678-HpCDD	42.44	2.27E+07	1.06	Y	0.90	1.01	11%
ES OCDD	46.13	3.30E+07	0.91	Y	0.74	0.73	-2%
ES 2378-TCDF	26.32	5.21E+07	0.79	Y	1.05	1.00	-5%
ES 12378-PeCDF	31.87	4.11E+07	1.58	Y	0.88	0.79	-10%
ES 23478-PeCDF	33.20	4.06E+07	1.57	Y	0.91	0.78	-14%
ES 123478-HxCDF	37.09	3.10E+07	0.54	Y	1.25	1.37	10%
ES 123678-HxCDF	37.26	3.52E+07	0.54	Y	1.40	1.56	11%
ES 234678-HxCDF	38.05	3.26E+07	0.53	Y	1.29	1.44	11%
ES 123789-HxCDF	39.16	2.96E+07	0.54	Y	1.17	1.31	12%
ES 1234678-HpCDF	41.15	2.64E+07	0.45	Y	1.03	1.17	14%
ES 1234789-HpCDF	43.04	2.29E+07	0.45	Y	0.89	1.01	14%
ES OCDF	46.37	4.32E+07	0.90	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary		Acq'd: 19 May 2013 05:39 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130518_DF_PB		UTP: 19-May-2013 09:45 MDC			Checkcode: 628-043		
Sample ID: 11012012A		Report: 20 May 2013 11:23 MC			Datafile: 130518P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.56	3.18E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.77	5.19E+07	0.79	Y	-	-	-
JS 123467-HxCDD	38.62	1.13E+07	1.27	Y	-	-	-
CS 37C1-2378-TCDD	27.33	3.53E+06	n/a	-	1.10	1.11	1%
CS 12347-PeCDD	33.02	2.54E+07	1.63	Y	0.79	0.80	1%
CS 12346-PeCDF	31.25	4.14E+07	1.57	Y	0.87	0.80	-8%
CS 123469-HxCDF	37.63	2.92E+07	0.54	Y	1.21	1.29	7%
CS 1234689-HpCDF	41.72	2.47E+07	0.45	Y	0.89	1.09	22%
SS 37C1-2378-TCDD	27.33	3.53E+06	n/a	-	1.09	1.10	1%
SS 12347-PeCDD	33.02	2.54E+07	1.63	Y	0.89	0.97	9%
SS 12346-PeCDF	31.25	4.14E+07	1.57	Y	0.99	1.01	2%
SS 123469-HxCDF	37.63	2.92E+07	0.54	Y	0.87	0.83	-4%
SS 1234689-HpCDF	41.72	2.47E+07	0.45	Y	0.87	0.94	7%
AS 1368-TCDD	23.17	3.27E+07	0.79	Y	1.00	1.03	3%
AS 1368-TCDF	20.98	6.34E+07	0.78	Y	1.20	1.22	2%
FS 1278-TCDD	27.69	3.77E+07	0.78	Y	1.18	1.17	-1%
FS 12478-PeCDD	32.16	2.84E+07	1.68	Y	1.07	1.08	2%
FS 123468-HxCDD	37.01	2.99E+07	1.29	Y	1.29	1.37	7%
FS 1234679-HpCDD	41.54	2.74E+07	1.07	Y	1.18	1.21	2%
TS 1378-TCDD	25.42	3.63E+07	0.79	Y	1.12	1.13	1%
OCDD-a	46.14	1.10E+06	2.49	Y	0.07	0.07	0%
OCDF-a	46.38	1.46E+06	2.42	Y	0.06	0.07	10%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-09 Analysis Date: 19-MAY-2013 05:39:37

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.57	1.32 - 1.78	Y	54.2	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	54.2	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	54.3	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	53.8	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	51.5	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	104	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.81	0.65 - 0.89	Y	10.9	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	54	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32 - 1.78	Y	55	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	52.5	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	53.4	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.4	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	51.5	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88 - 1.20	Y	51.3	43 - 58	Y
OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	113	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 20 May 2013 11:23 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-09 Analysis Date: 19-MAY-2013 05:39:37

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	100	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.62	1.32 - 1.78	Y	91.8	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	97.3	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	94.4	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	99.8	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	111	72 - 138	Y
13C-OCDD	M+2/M+4	0.91	0.76 - 1.02	Y	197	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	95.2	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	90.2	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	86.1	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	110	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	111	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	111	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	112	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	114	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	114	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	191	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.1	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.63	1.32 - 1.78	Y	101	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	92.2	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	107	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	122	70 - 130	Y

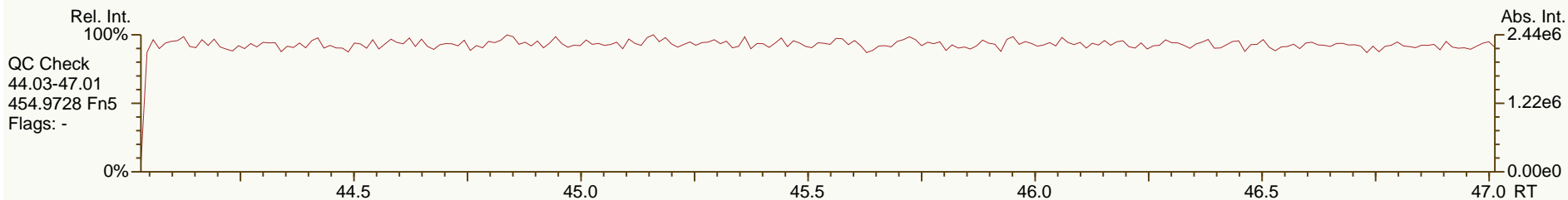
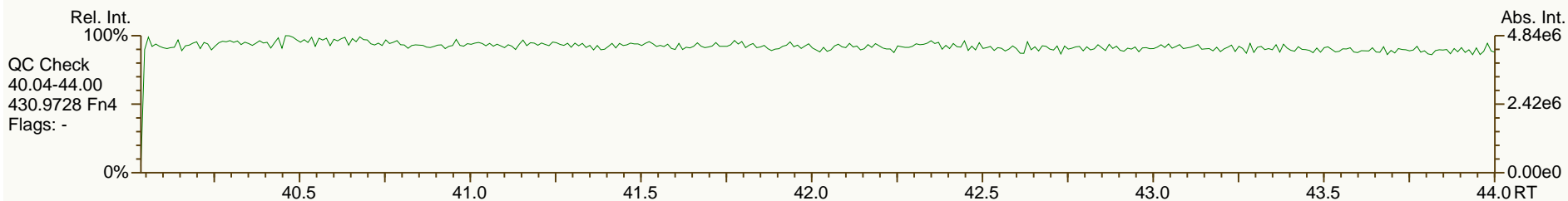
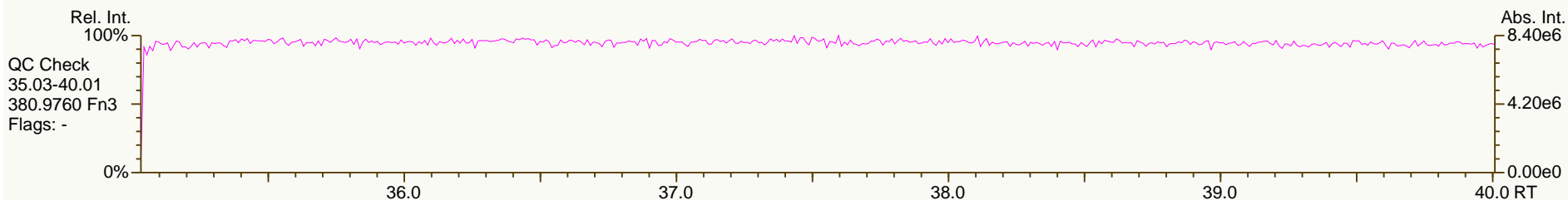
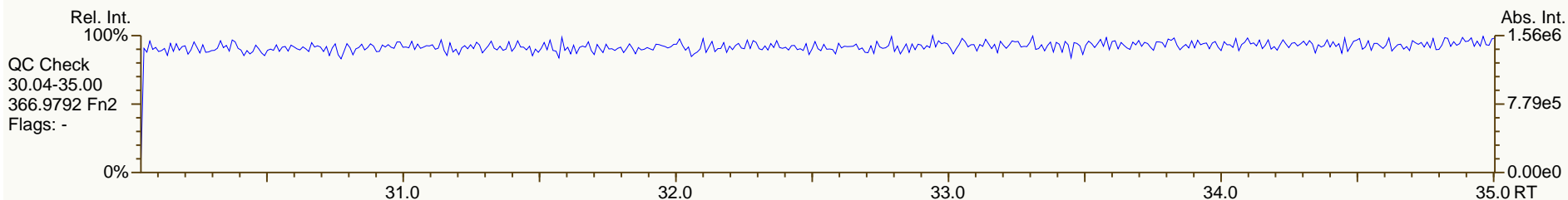
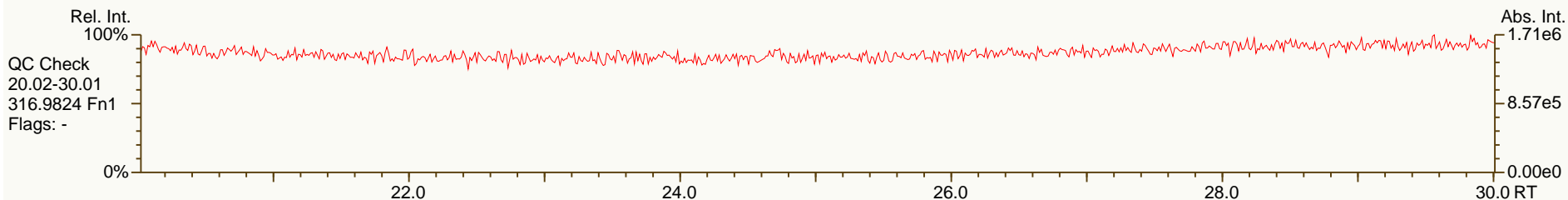
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Analyst: MC

SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

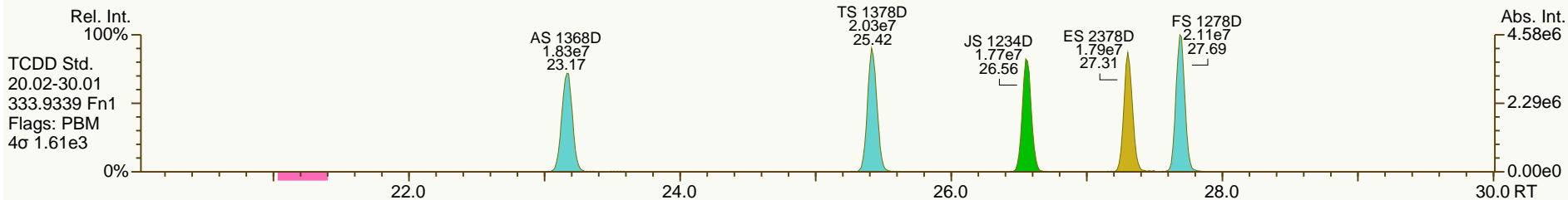
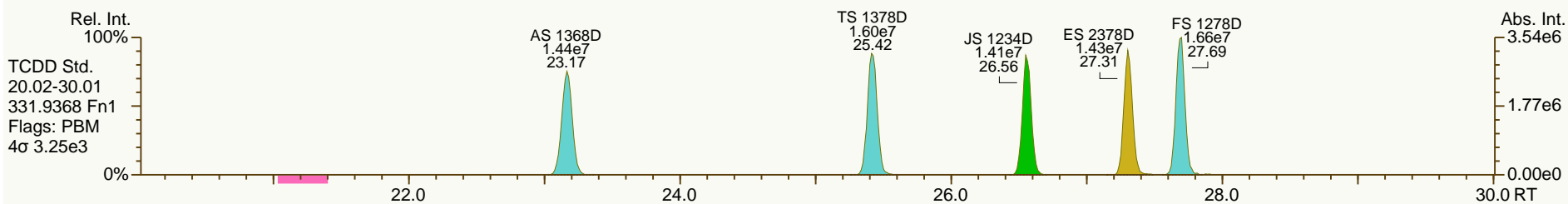
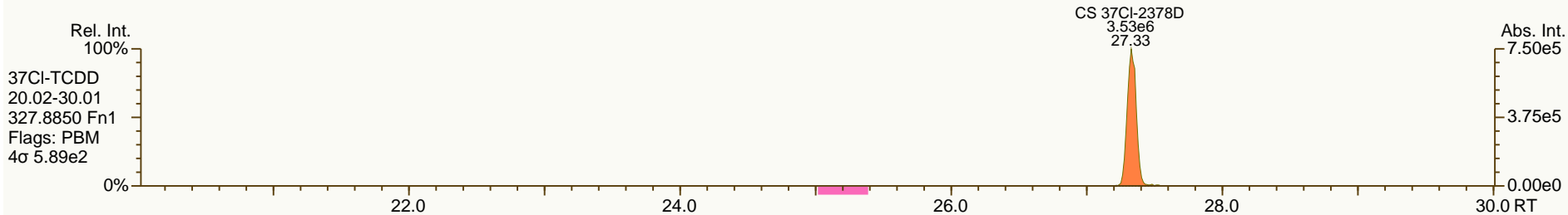
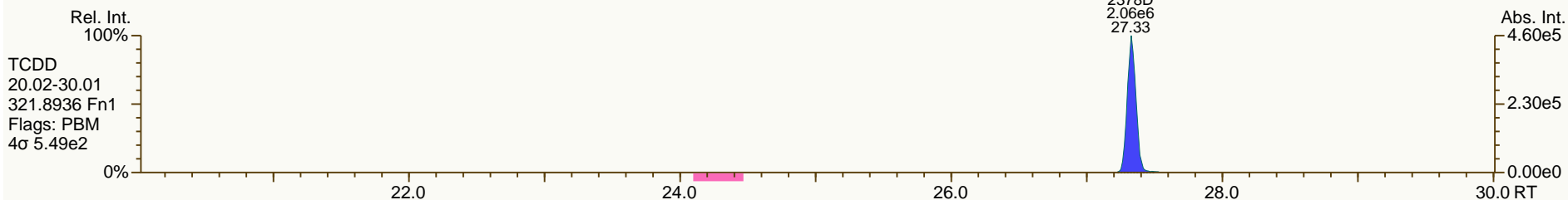
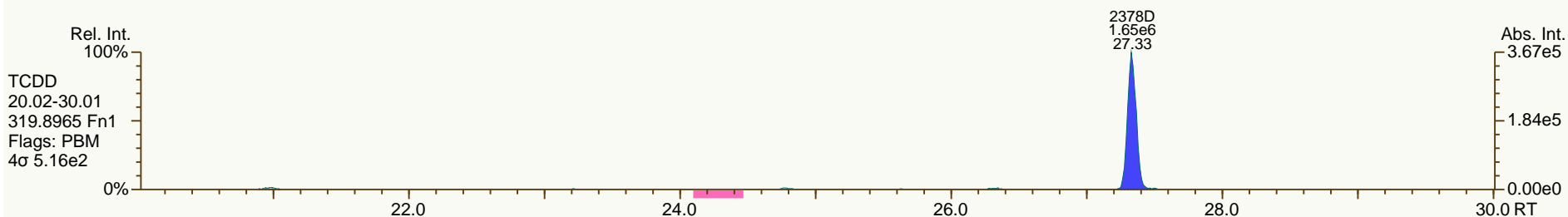
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 User: MDC Datafile: 130518P3-09



SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

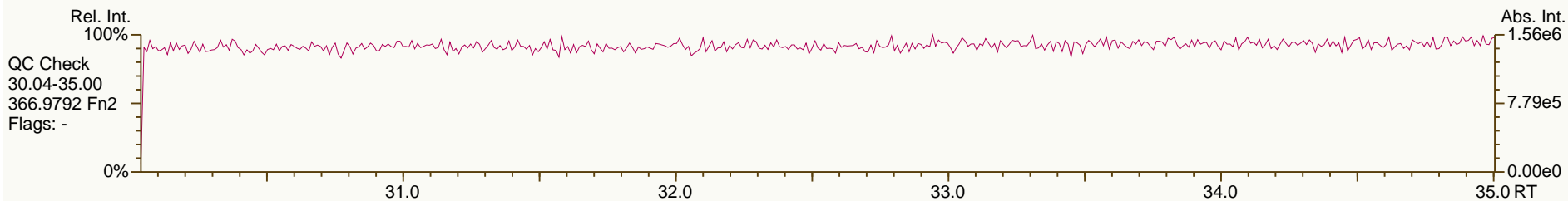
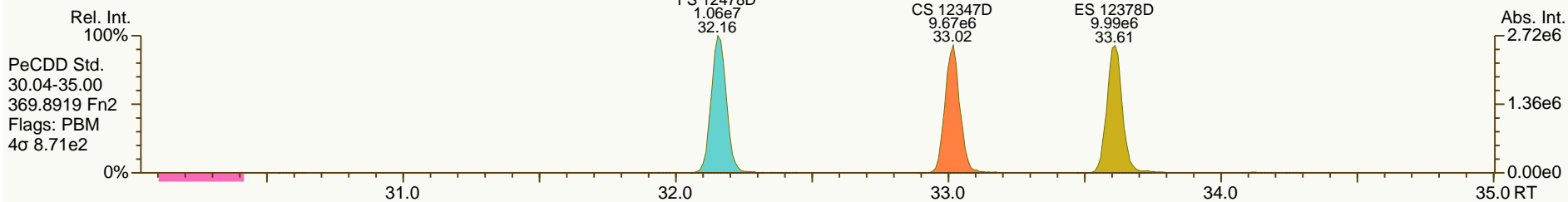
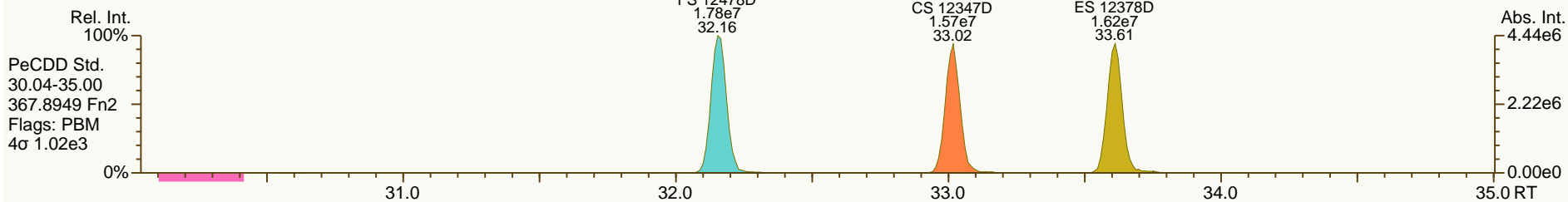
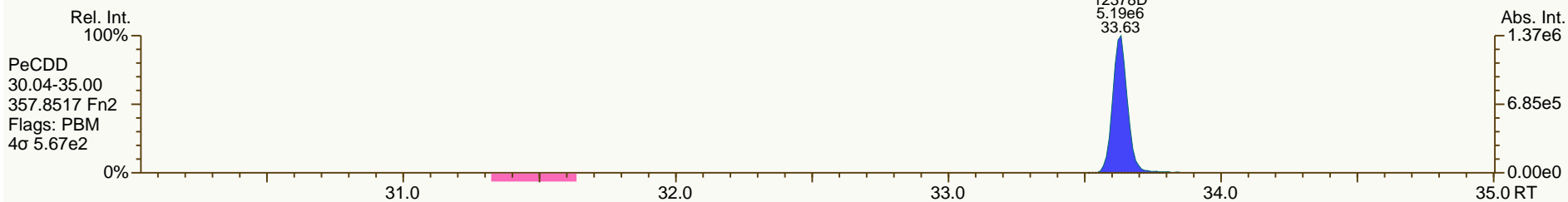
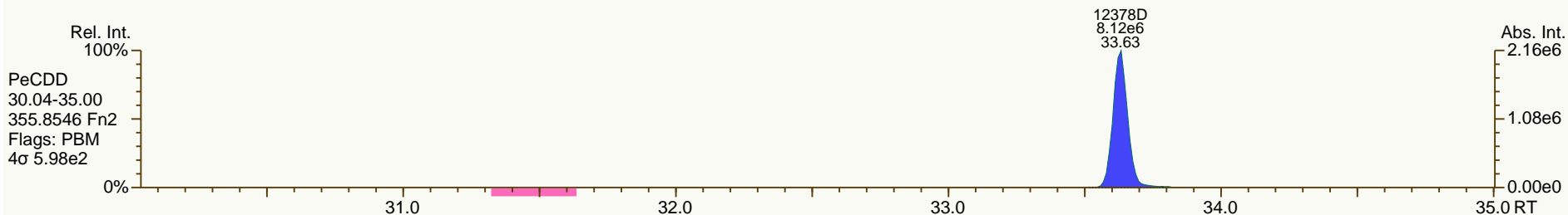
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

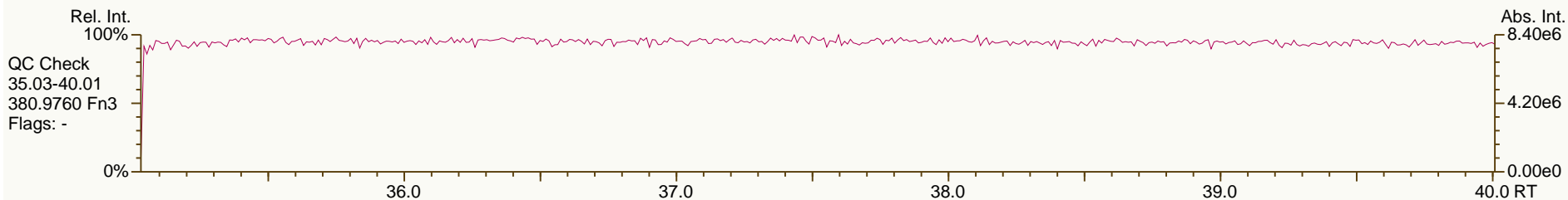
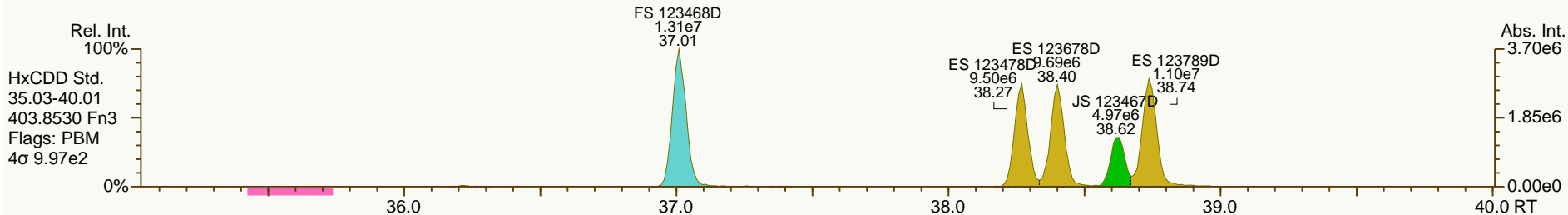
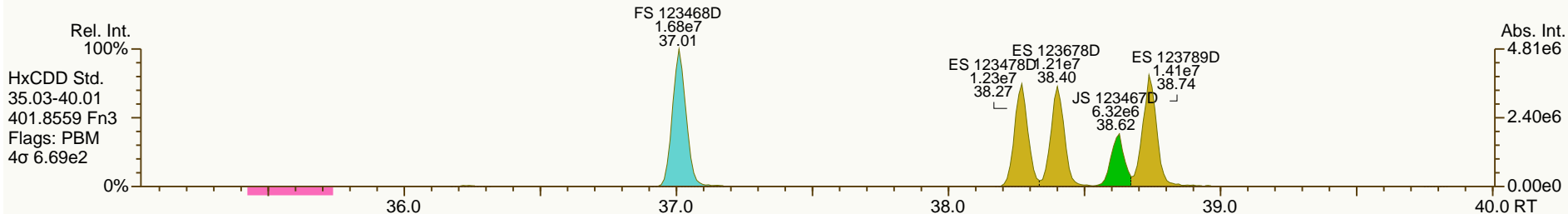
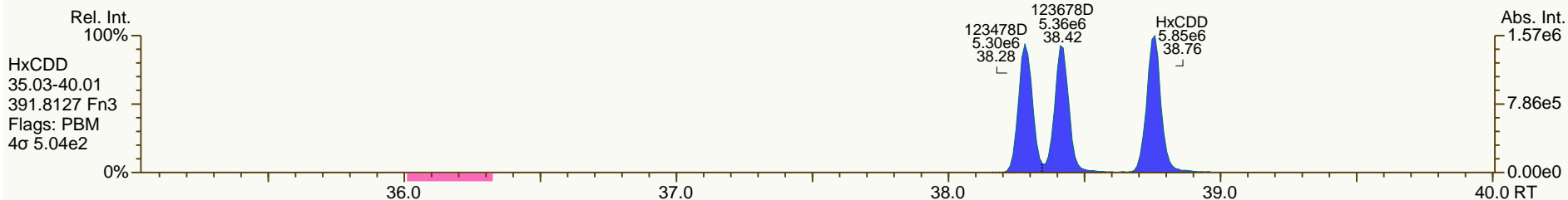
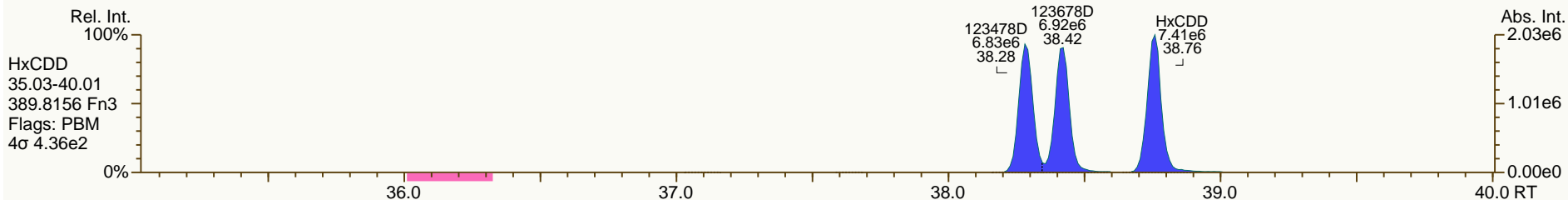
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

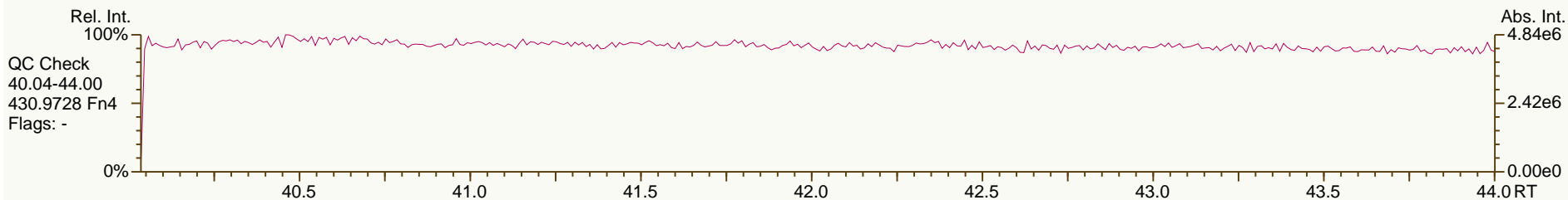
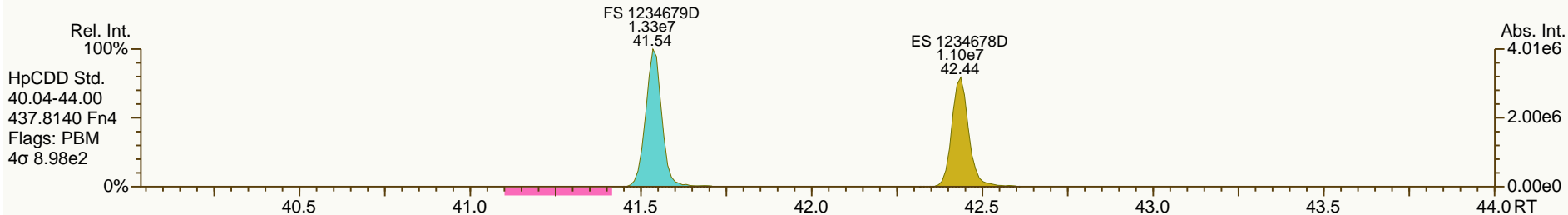
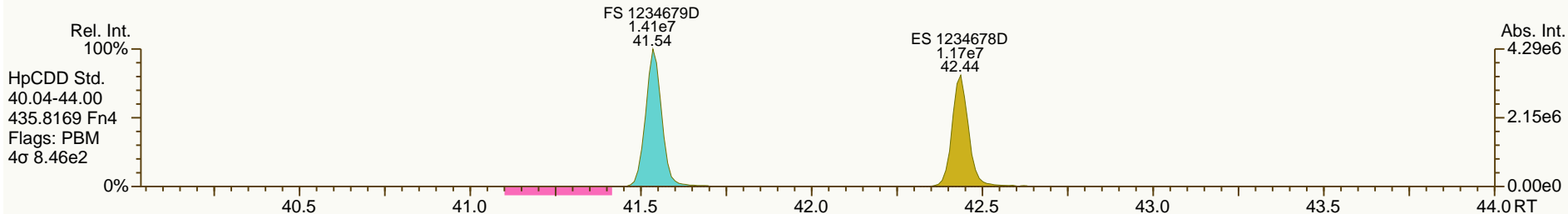
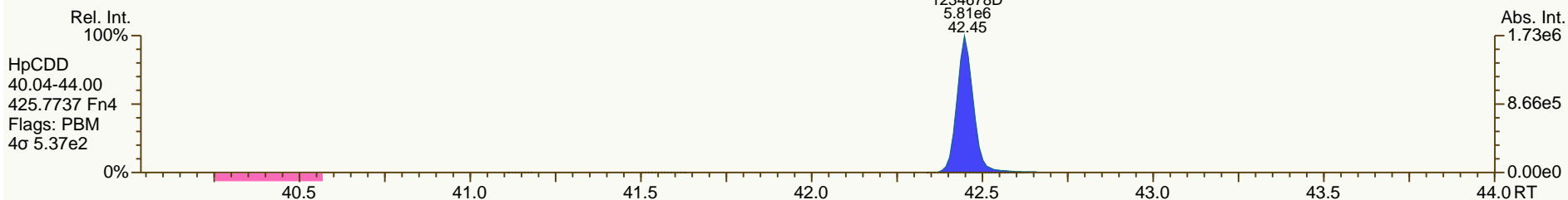
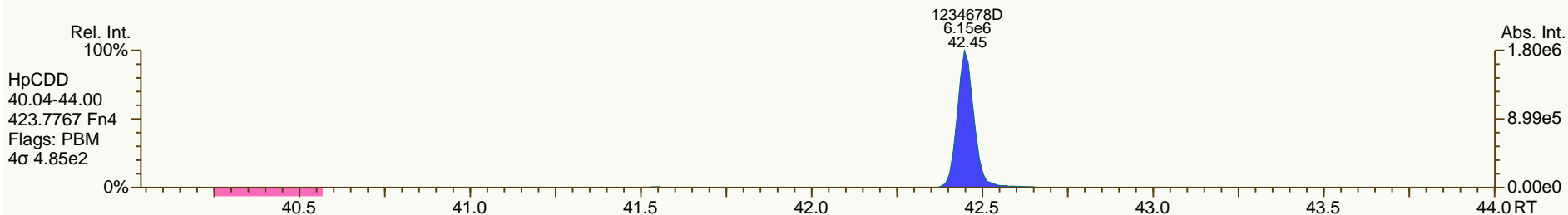
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

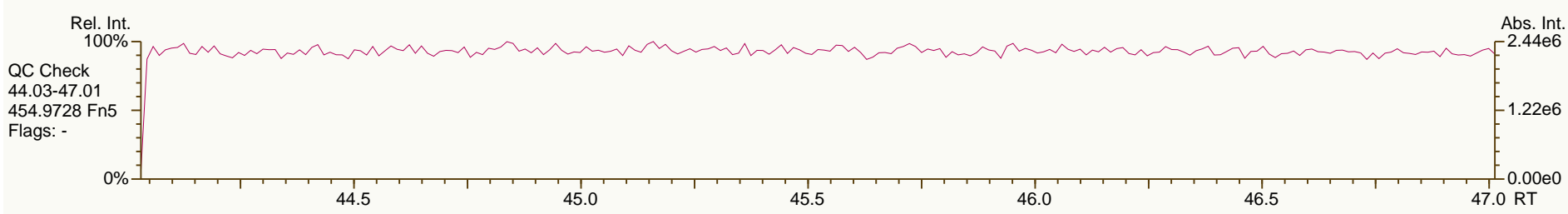
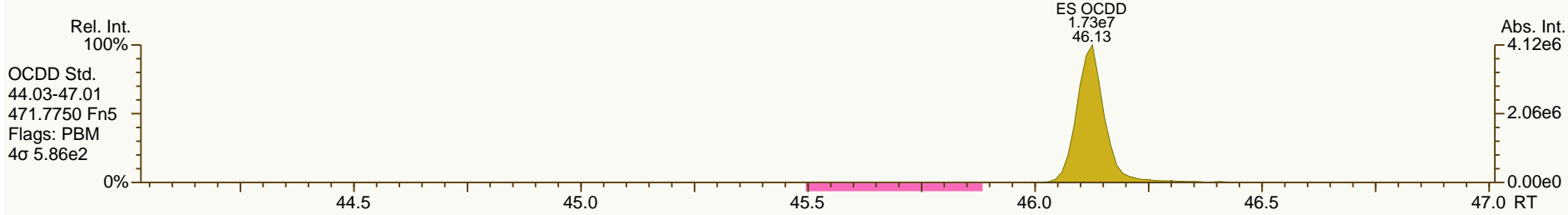
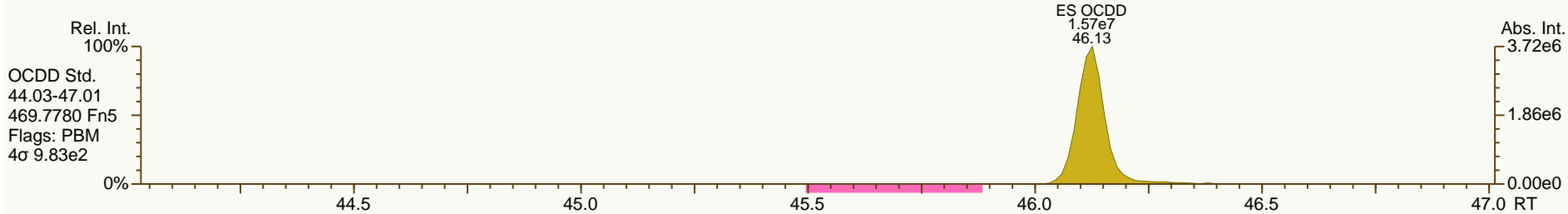
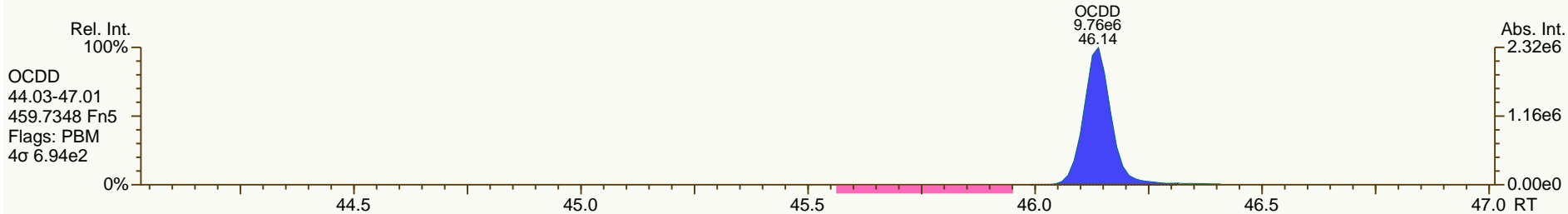
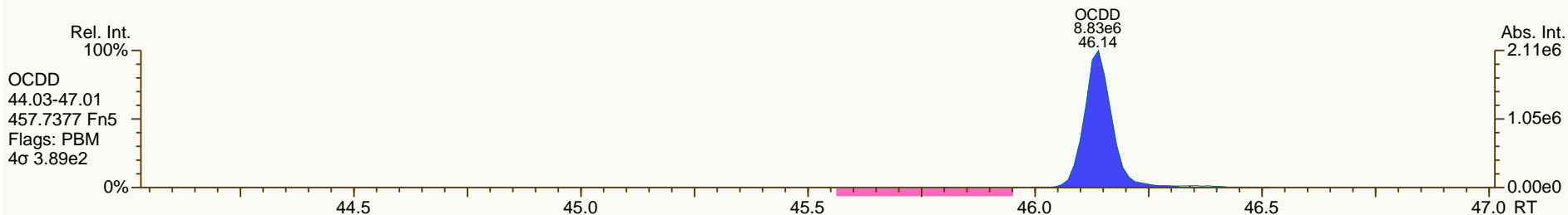
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

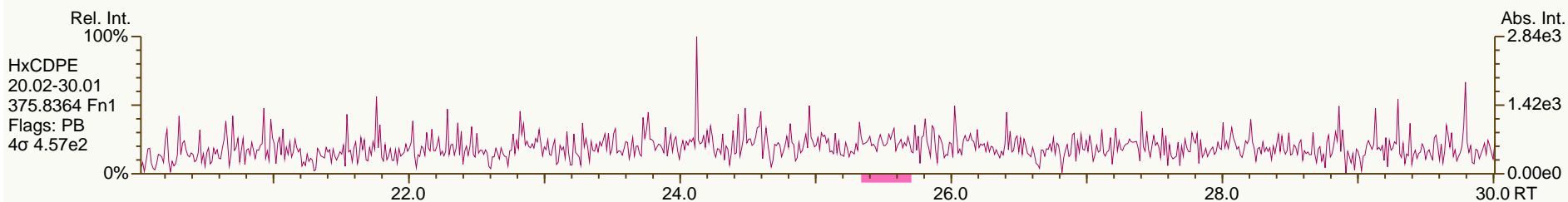
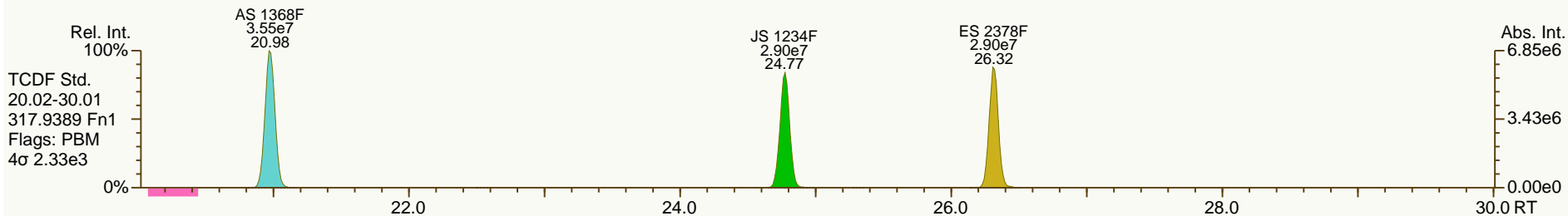
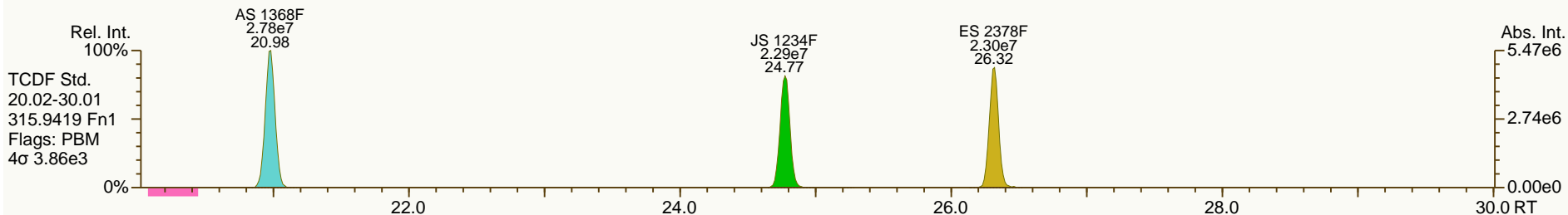
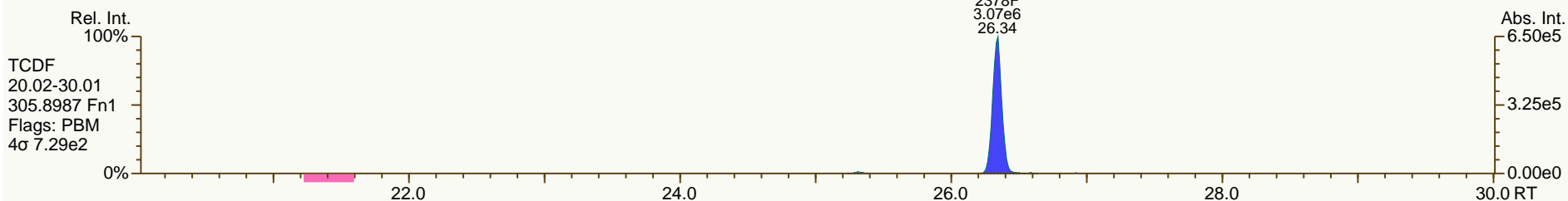
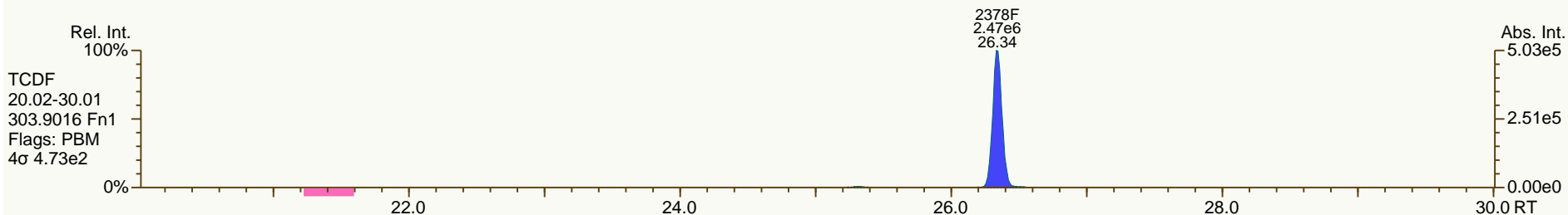
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

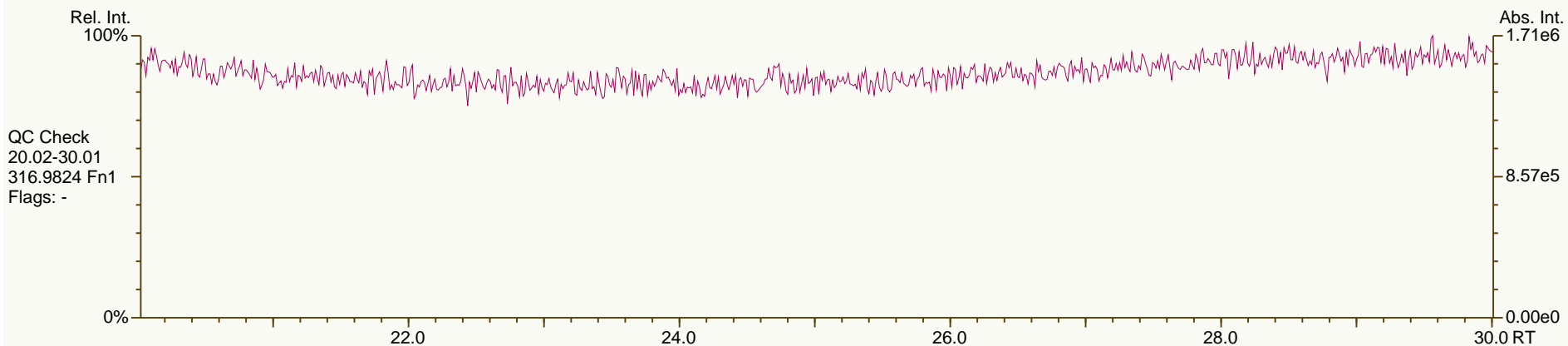
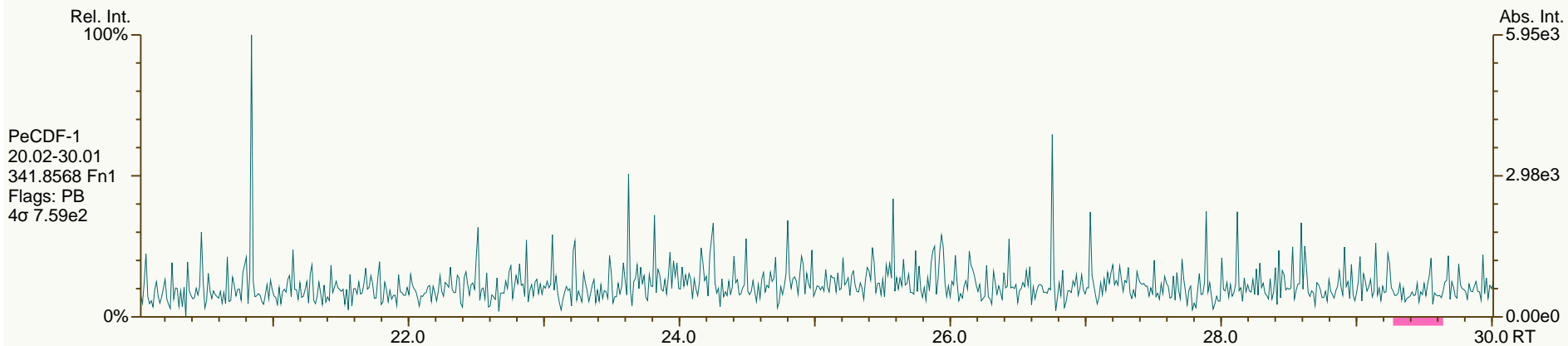
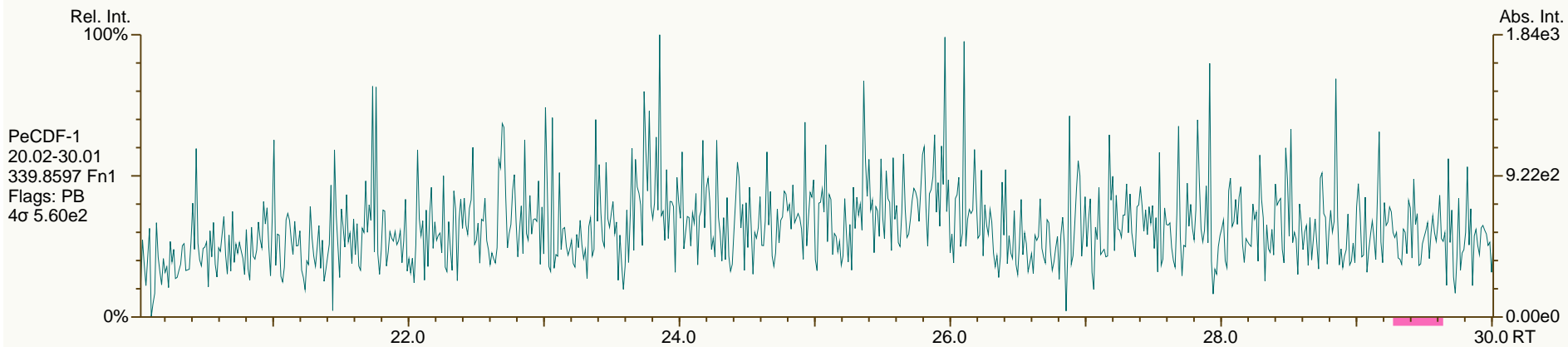
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SGS-AP ID: CS3_130518_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

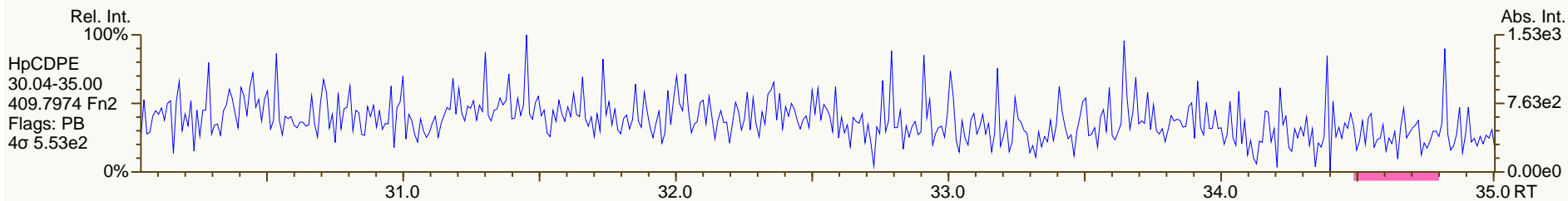
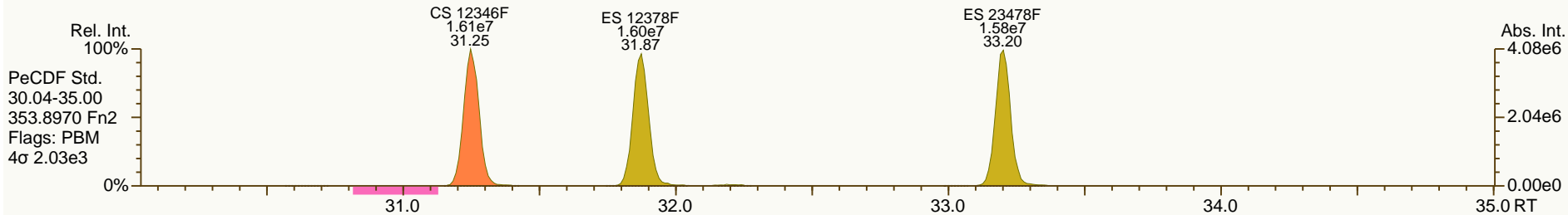
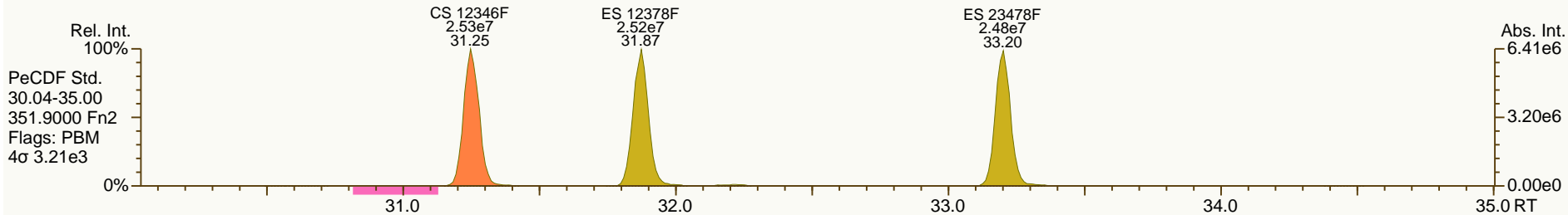
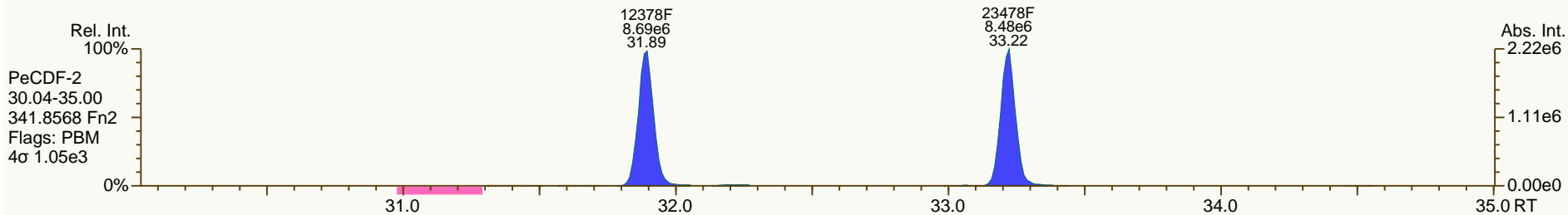
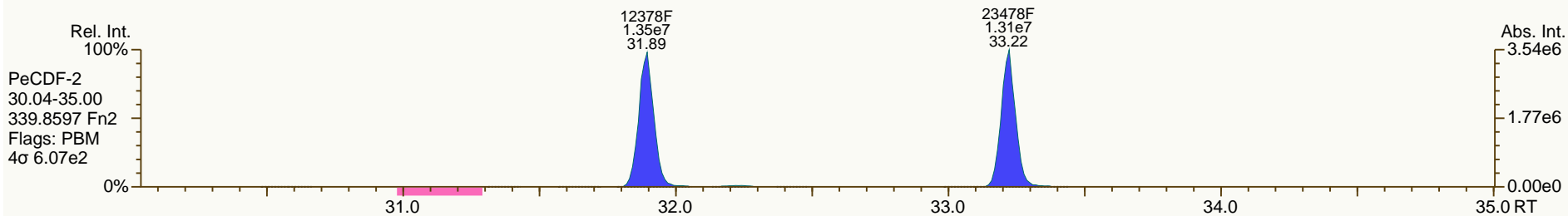
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SGS-AP ID: CS3_130518_DF_PB
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Sample ID: 11012012A
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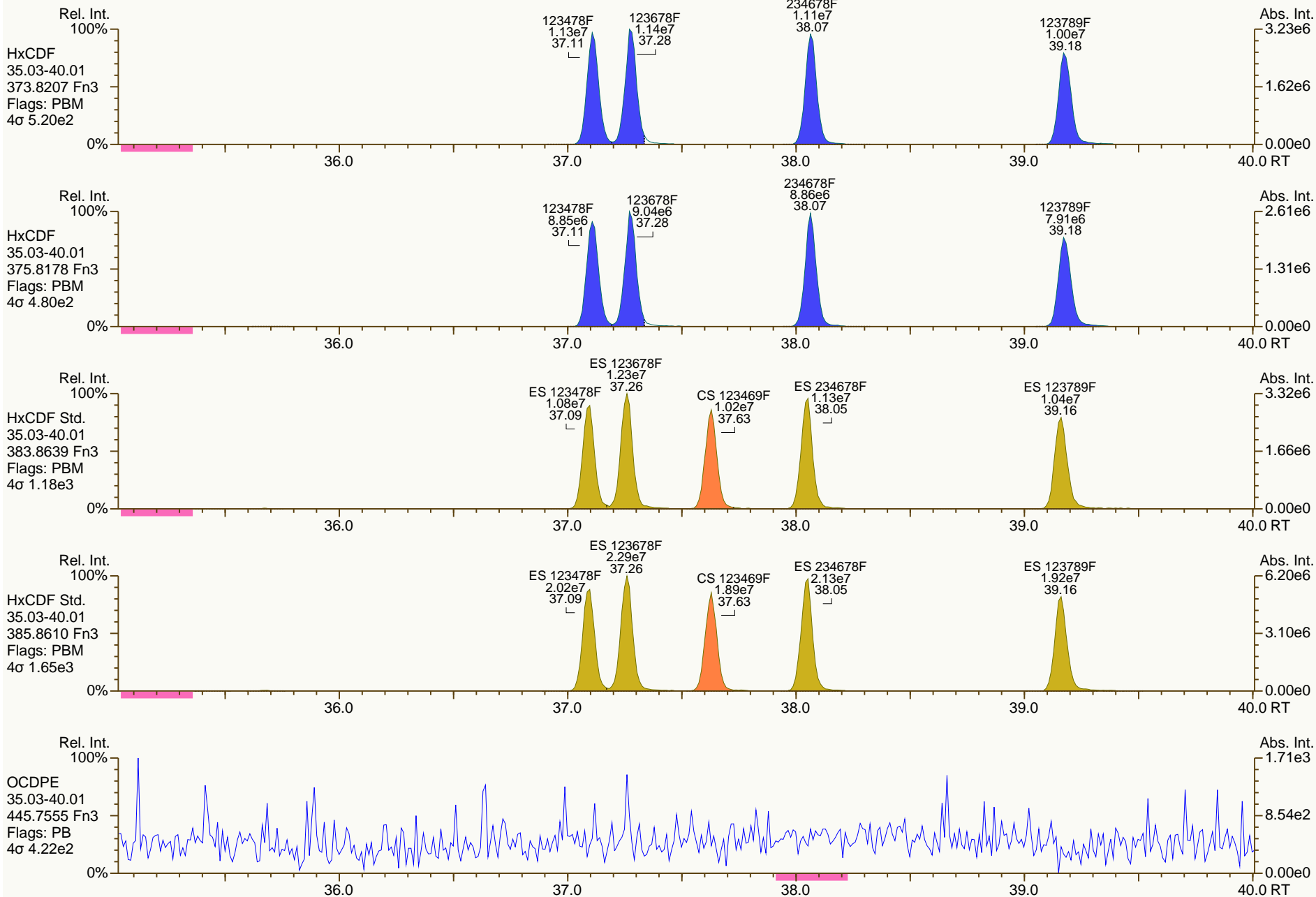
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SGS-AP ID: CS3_130518_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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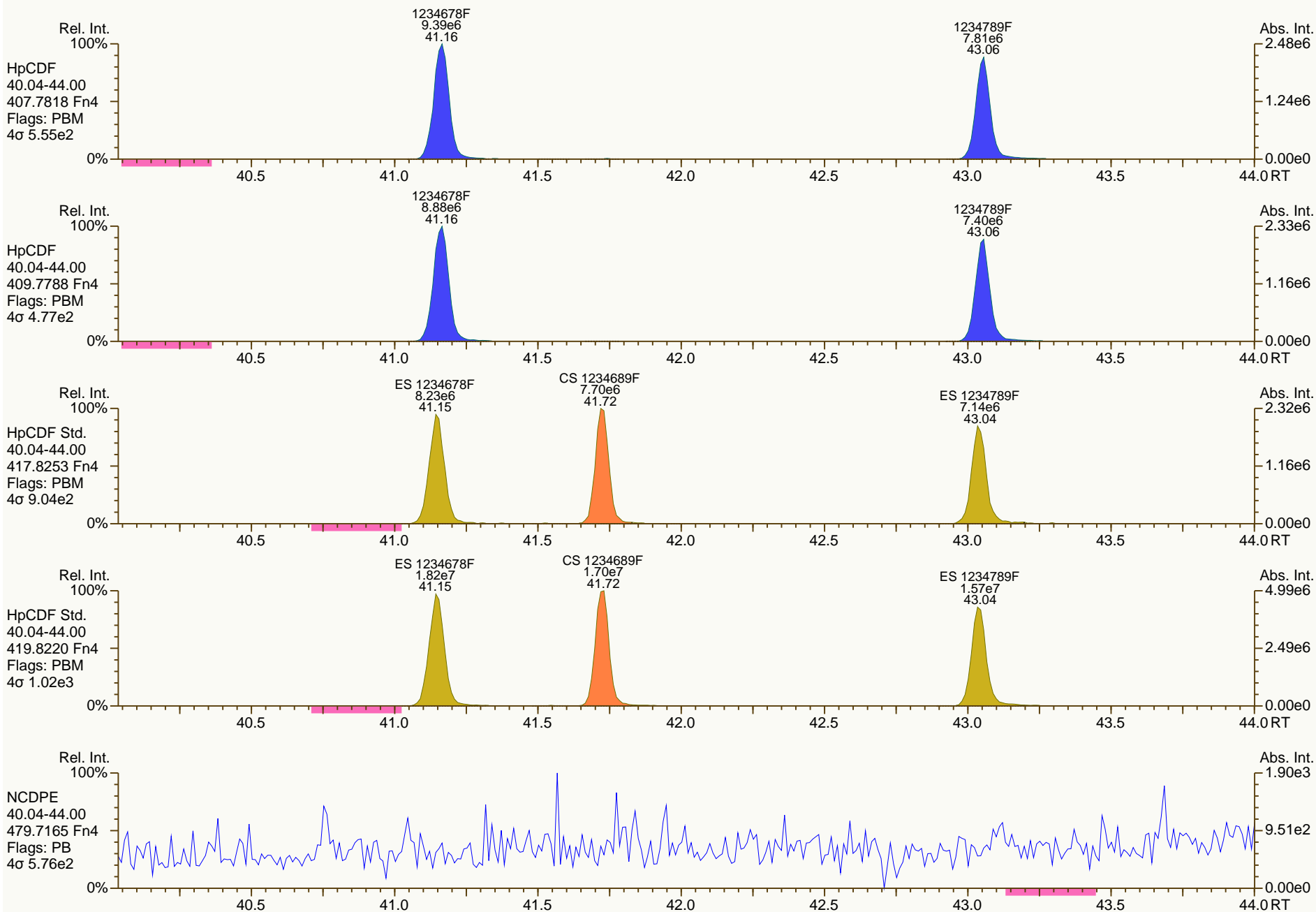
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

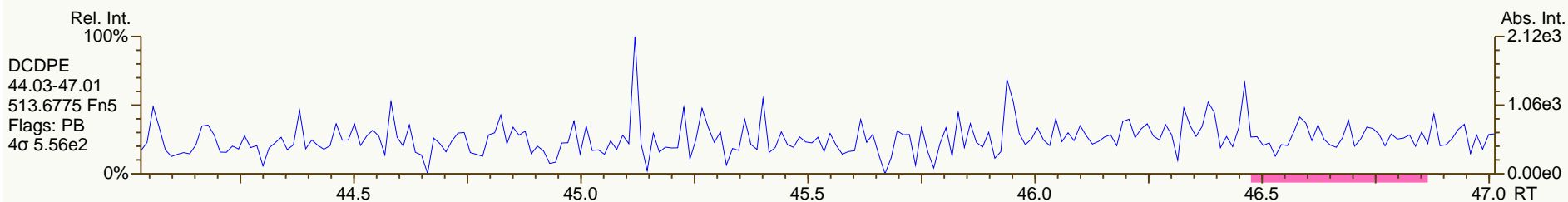
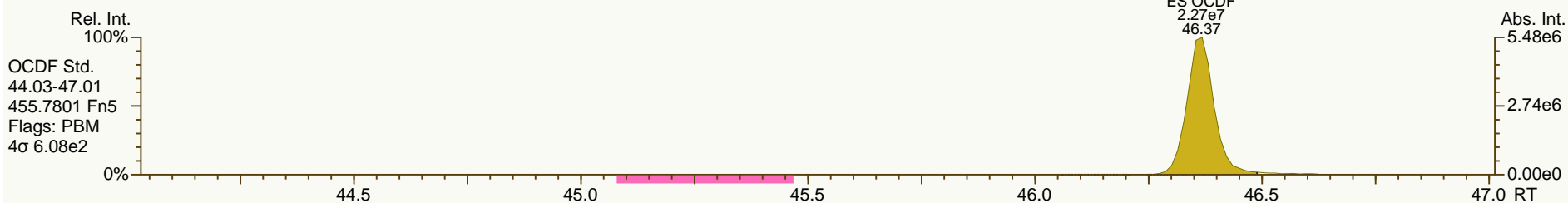
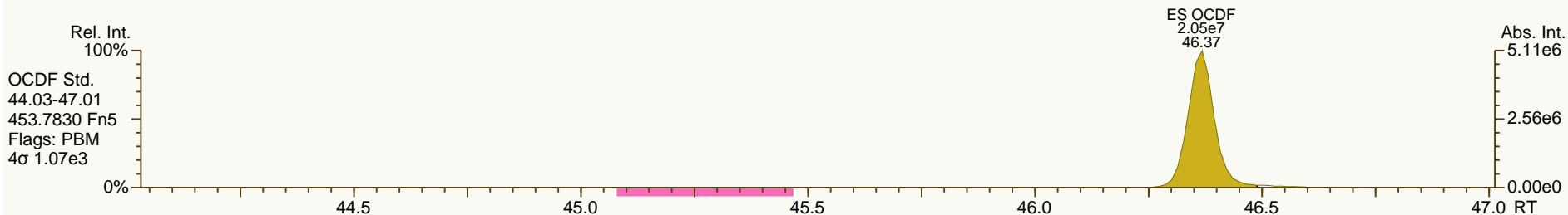
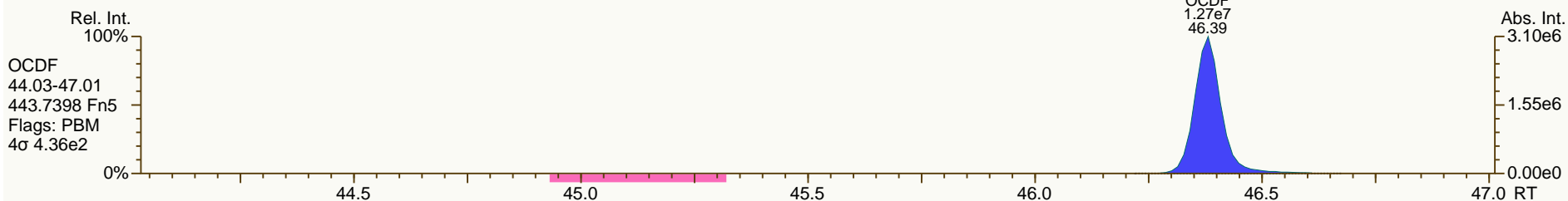
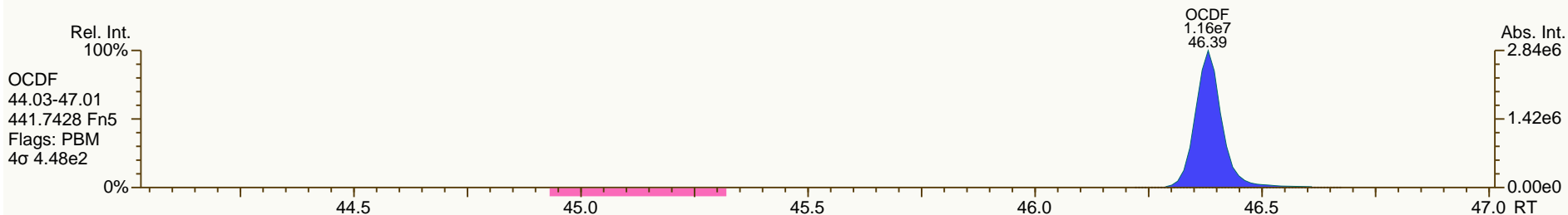
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SGS-AP ID: CS3_130518_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

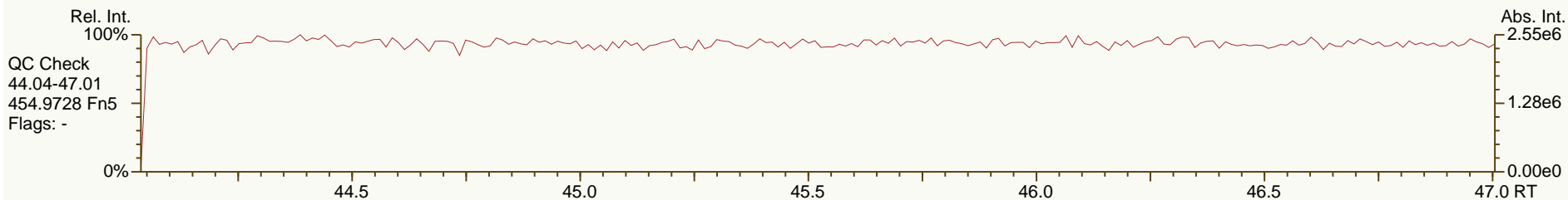
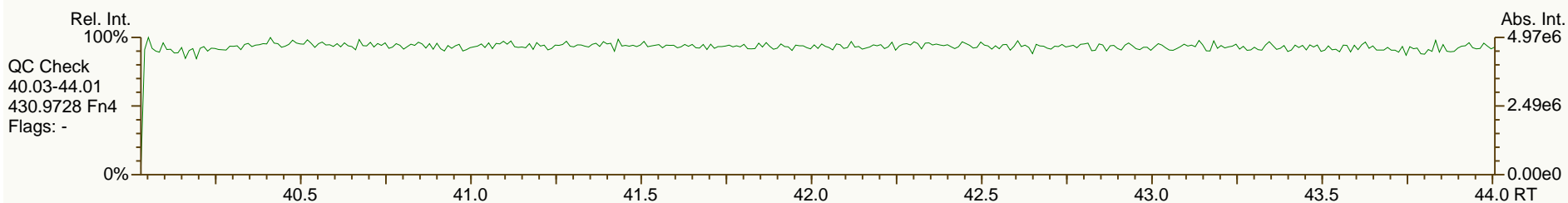
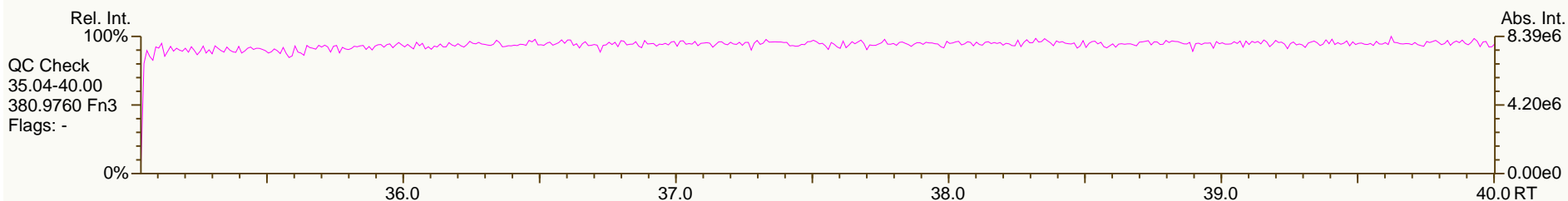
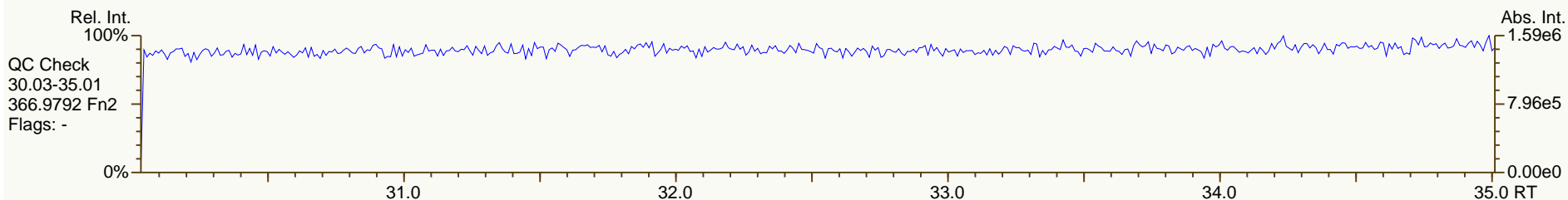
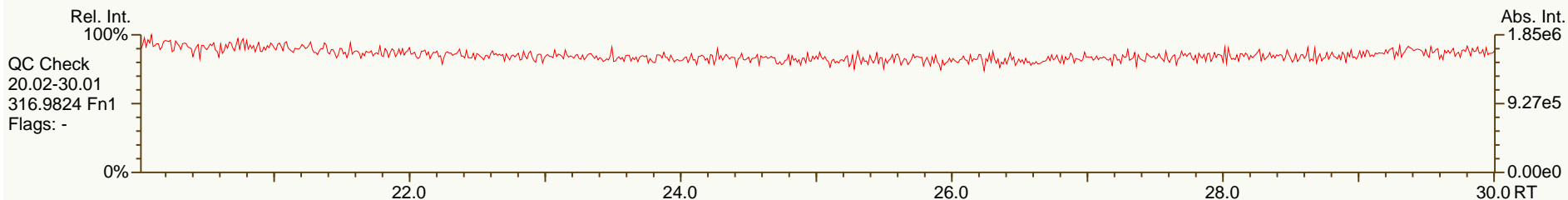
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SGS-AP ID: SBS_130518_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

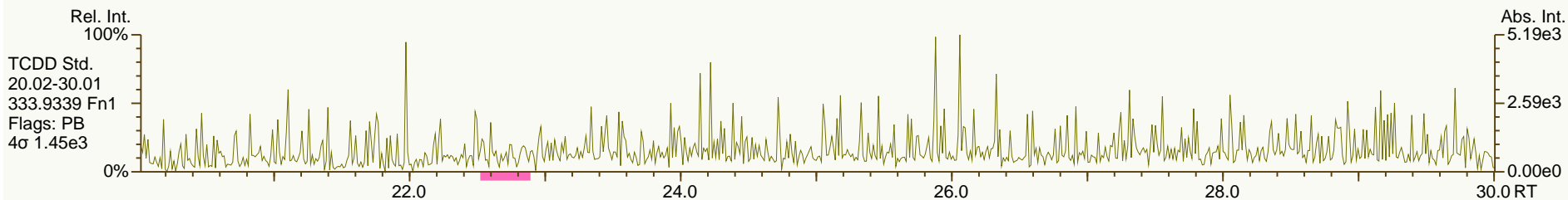
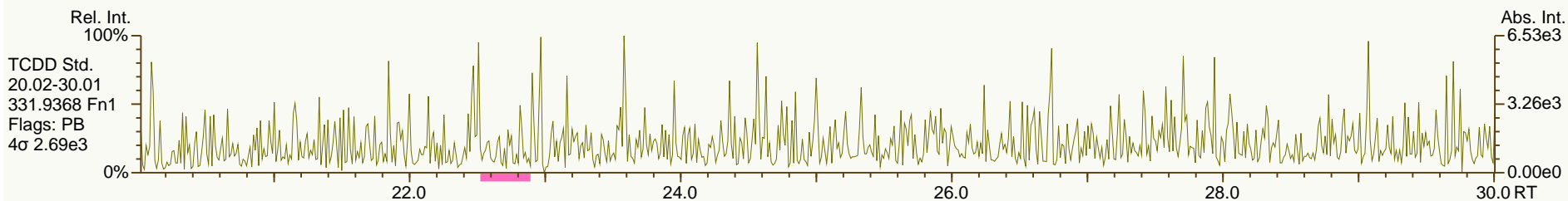
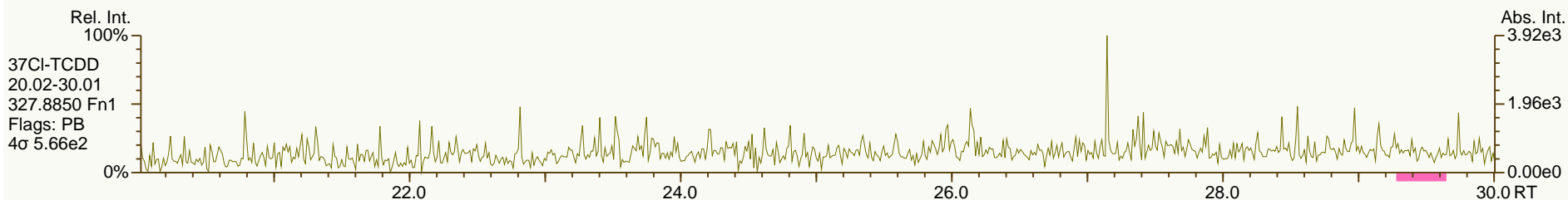
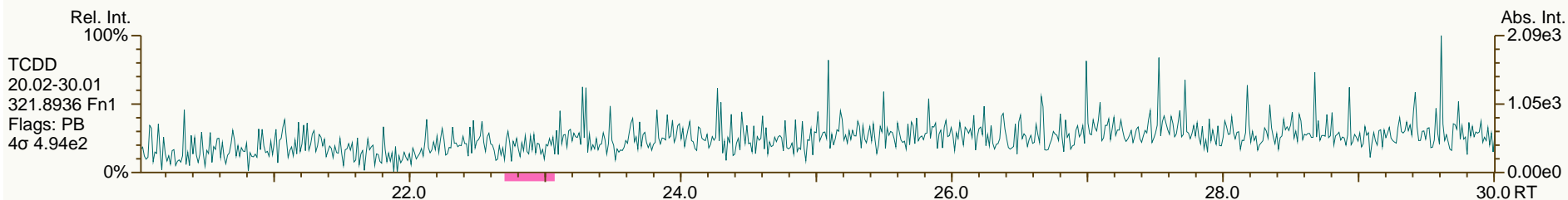
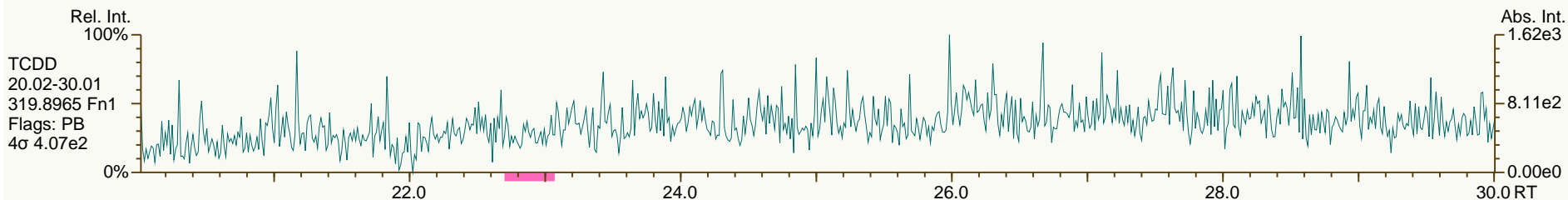
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

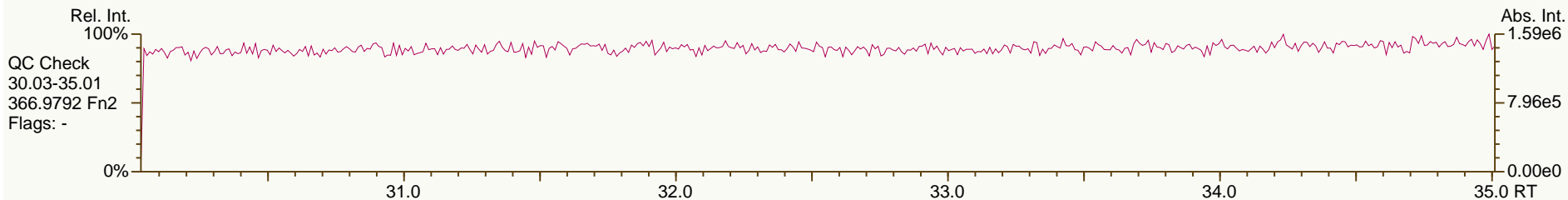
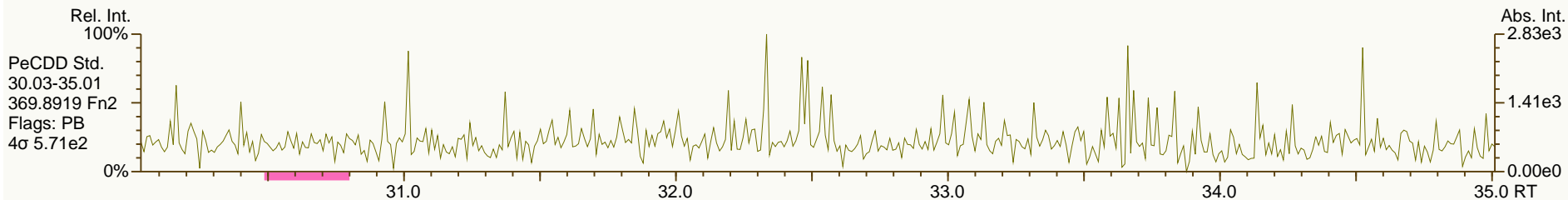
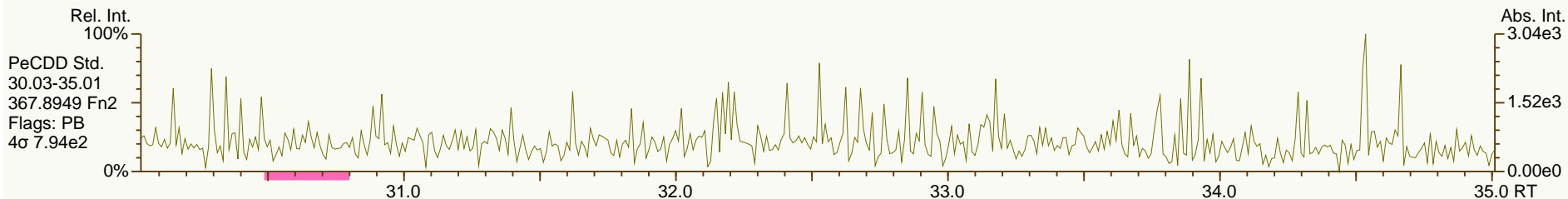
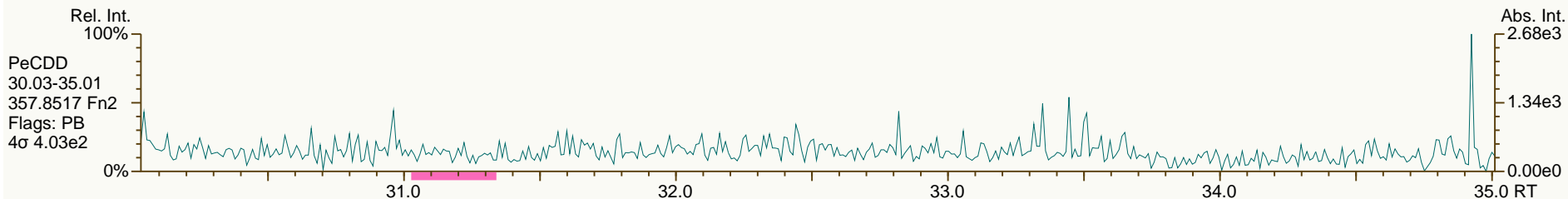
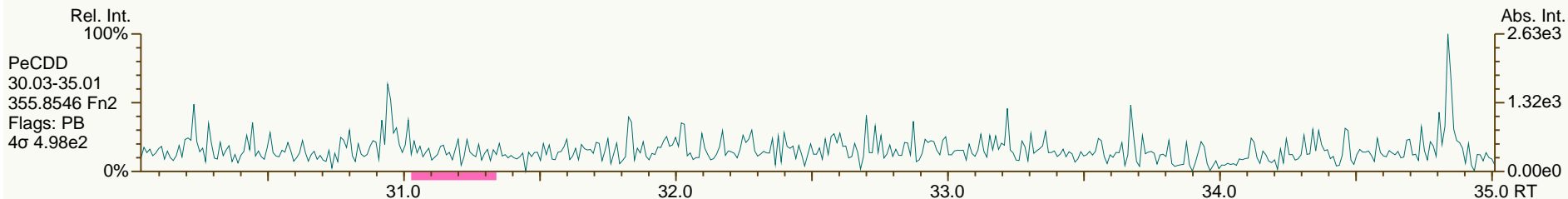
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

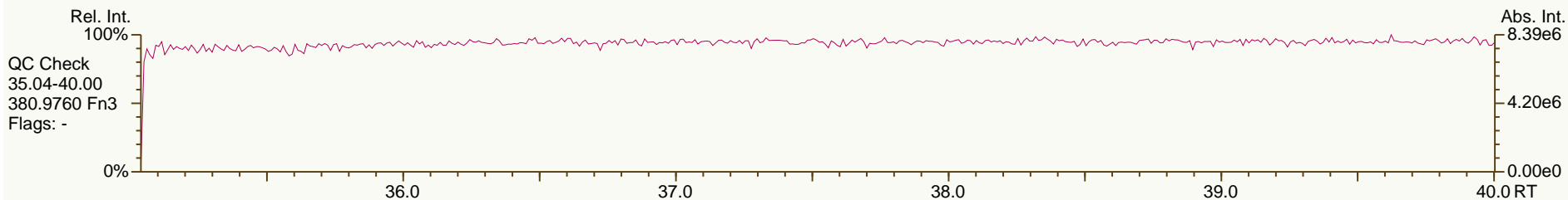
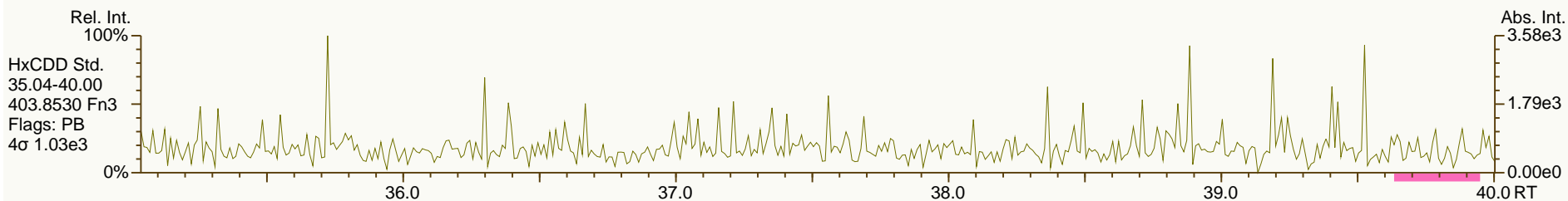
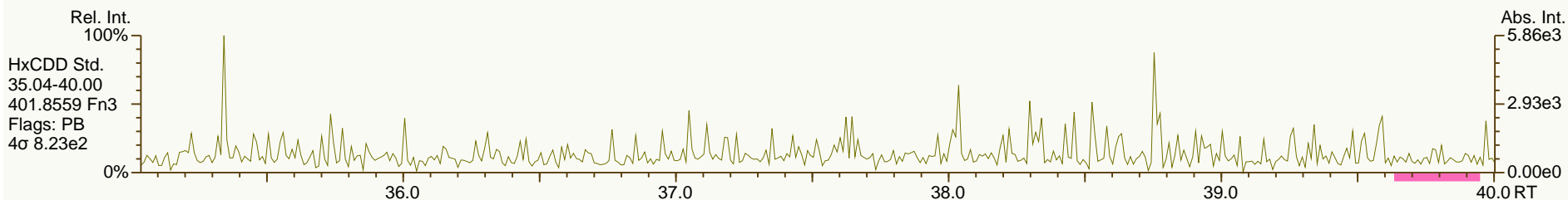
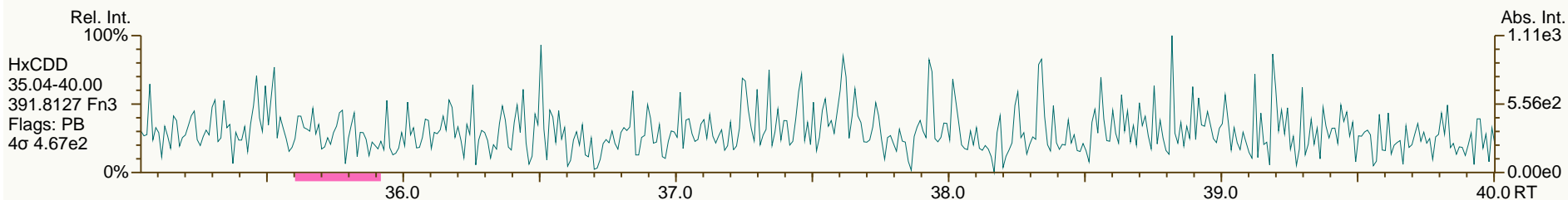
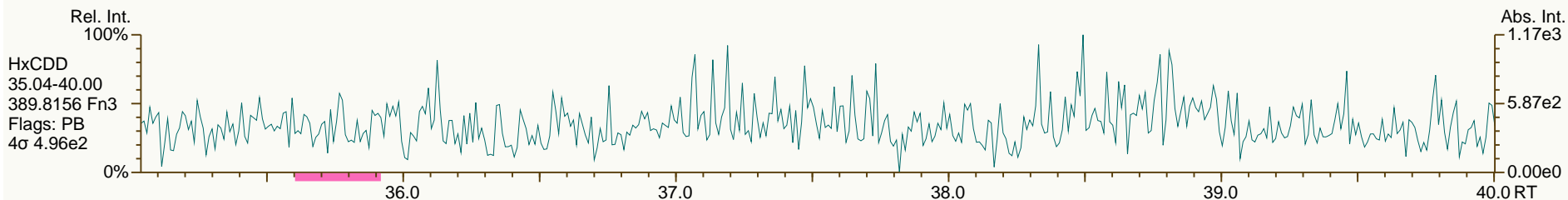
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

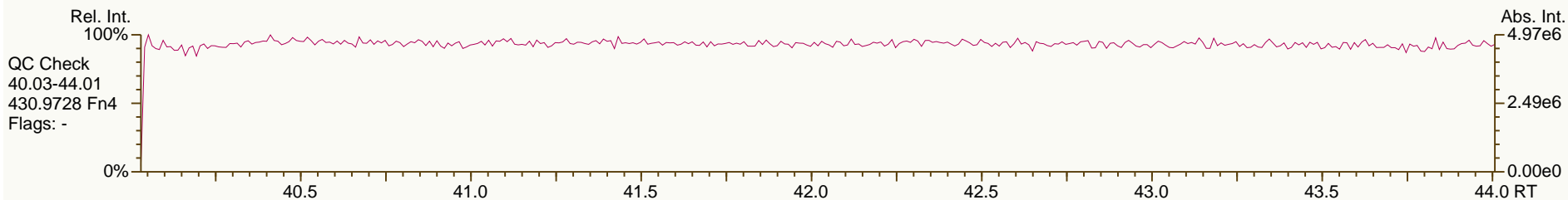
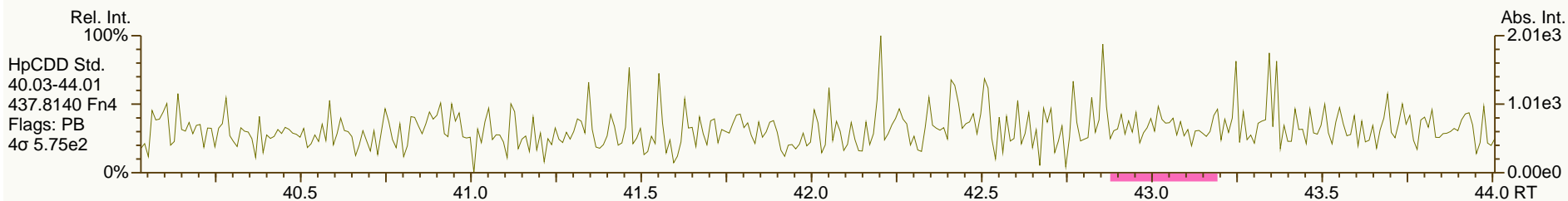
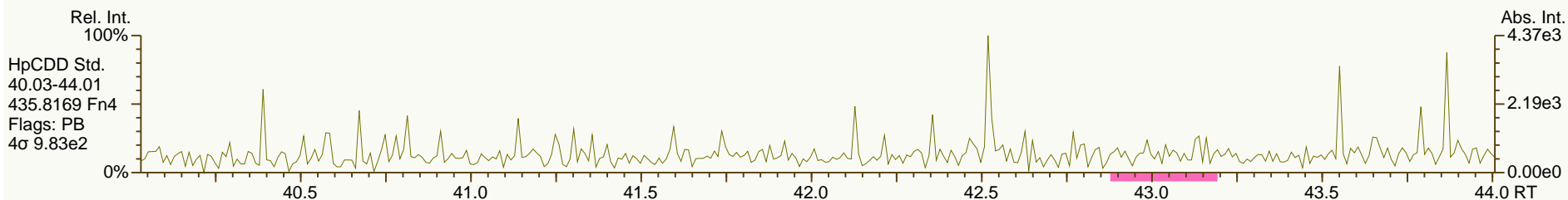
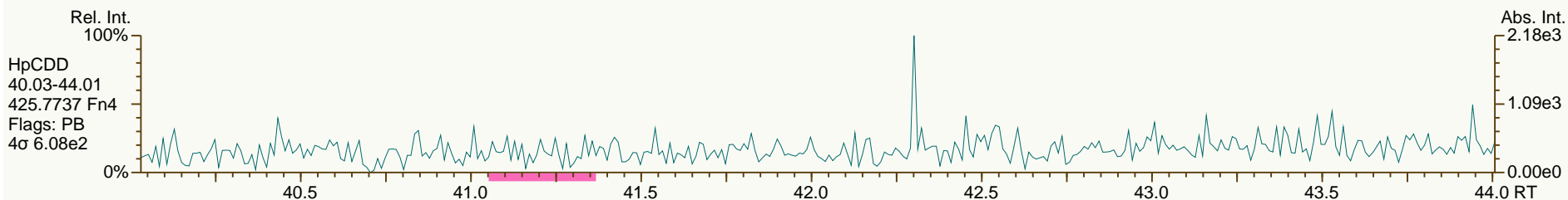
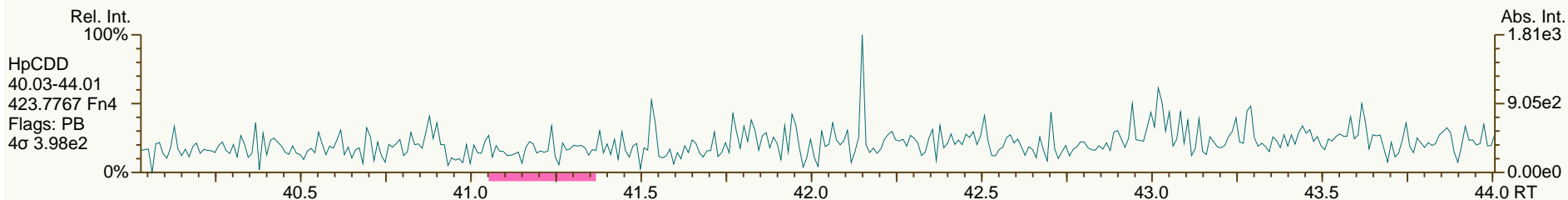
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

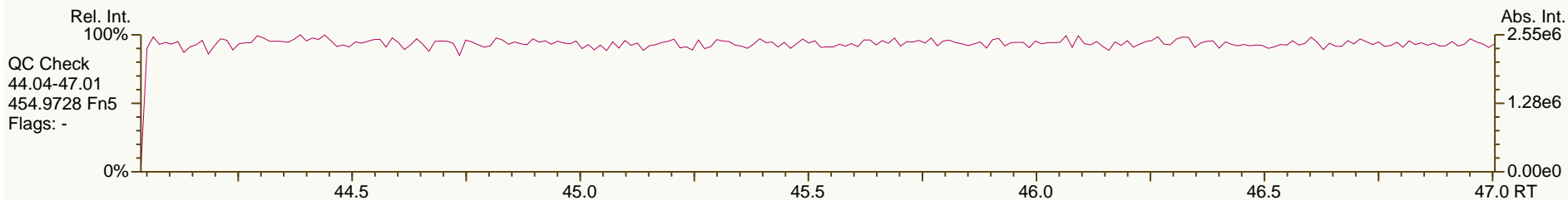
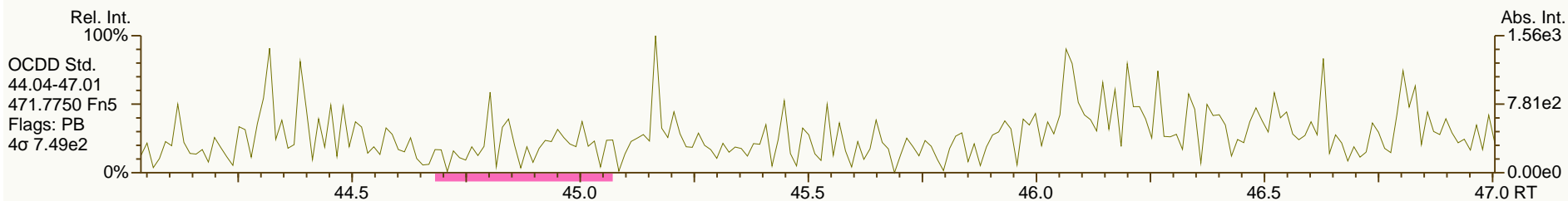
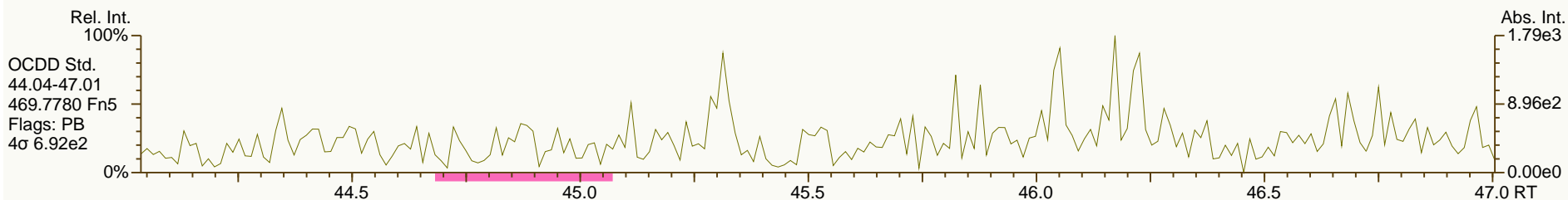
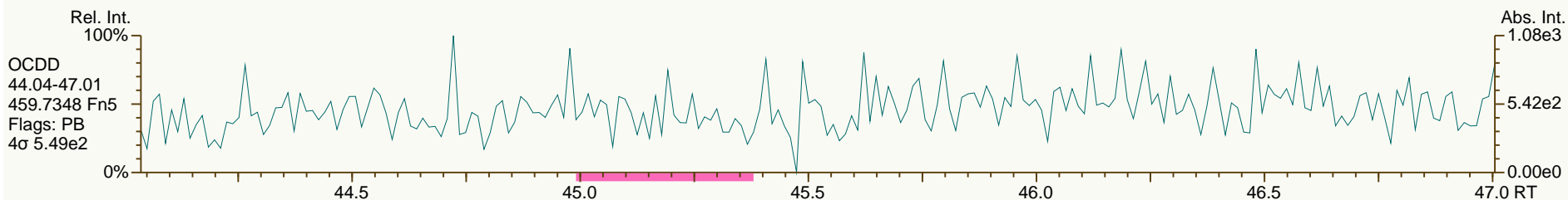
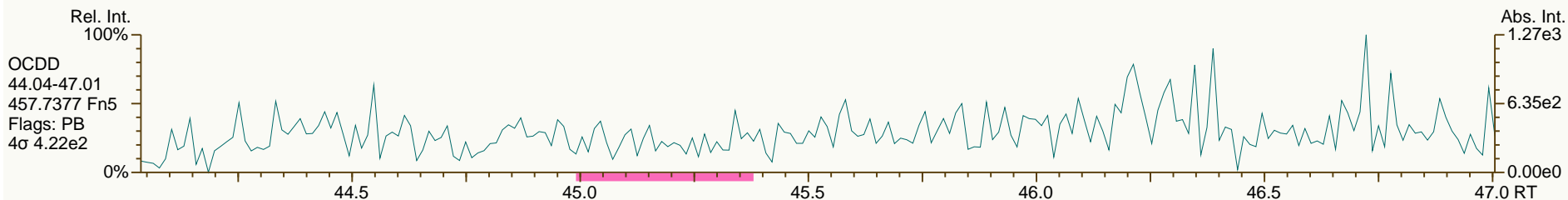
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 User: MDC Datafile: 130518P3-03



SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

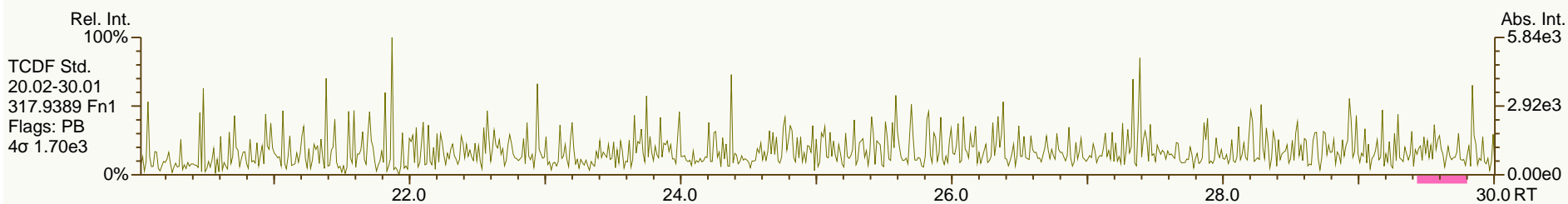
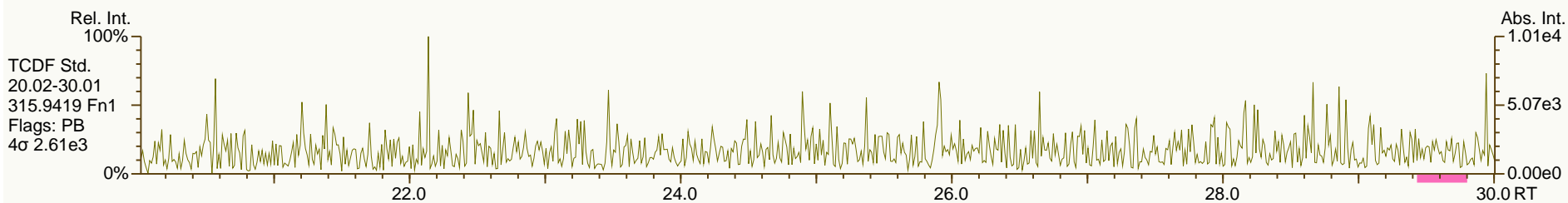
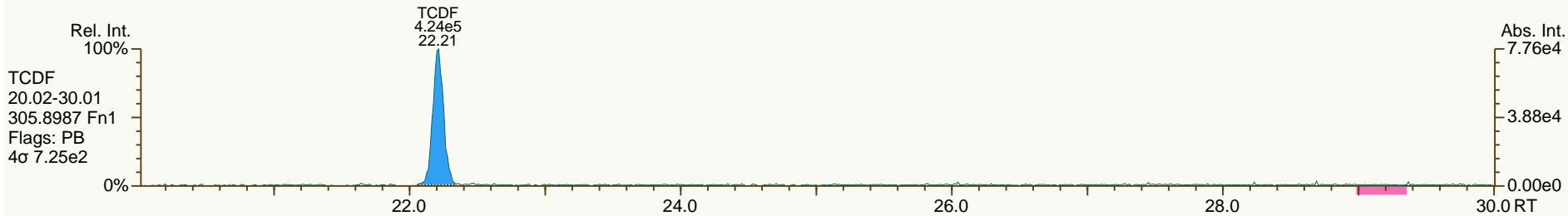
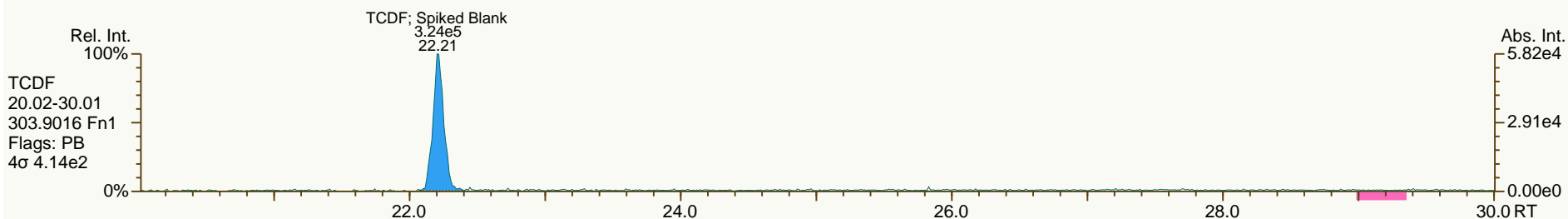
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

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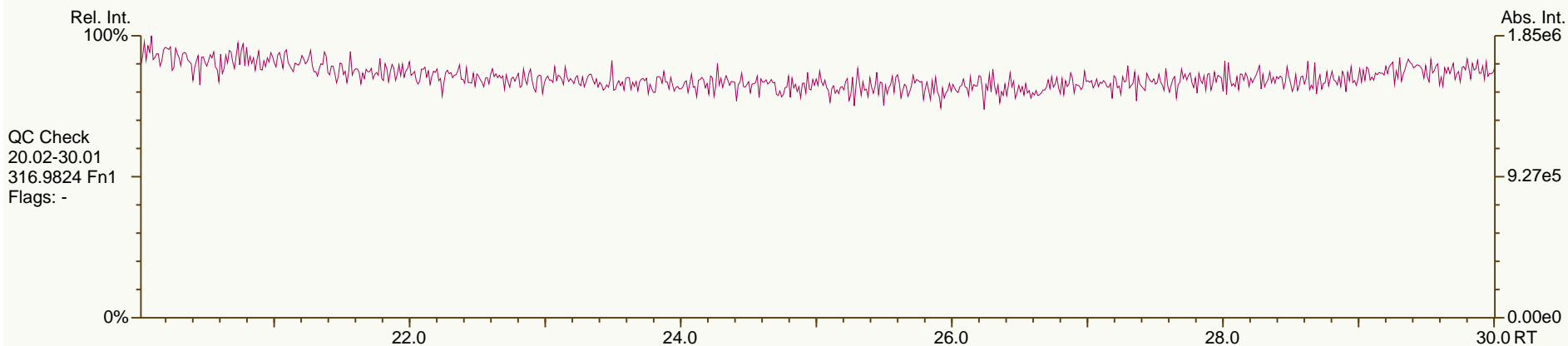
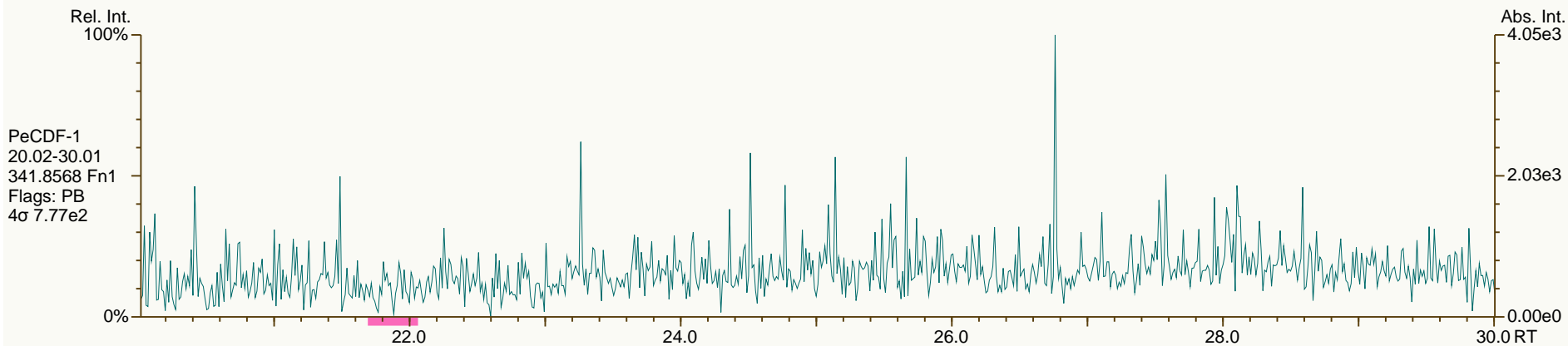
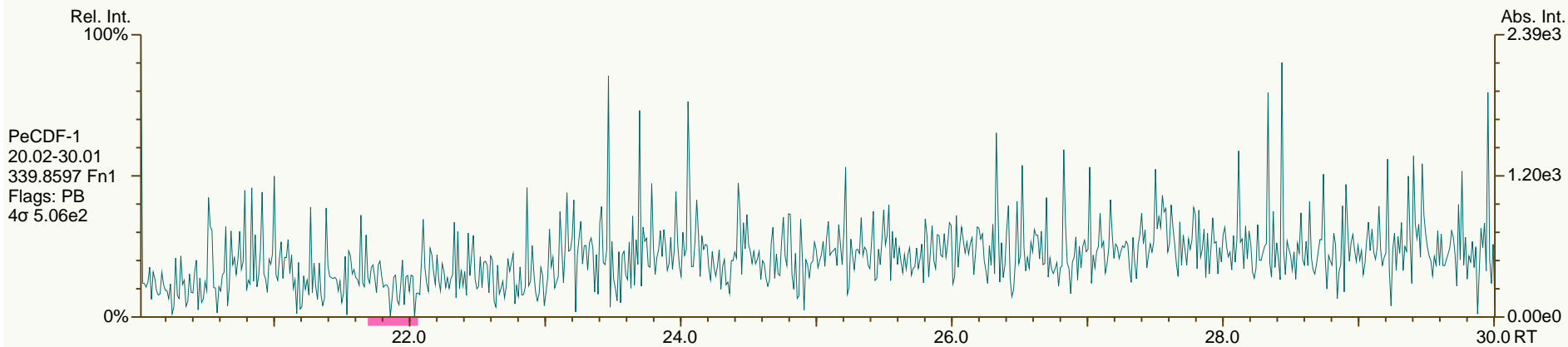
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SGS-AP ID: SBS_130518_DF_PA
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Sample ID: solvent blank
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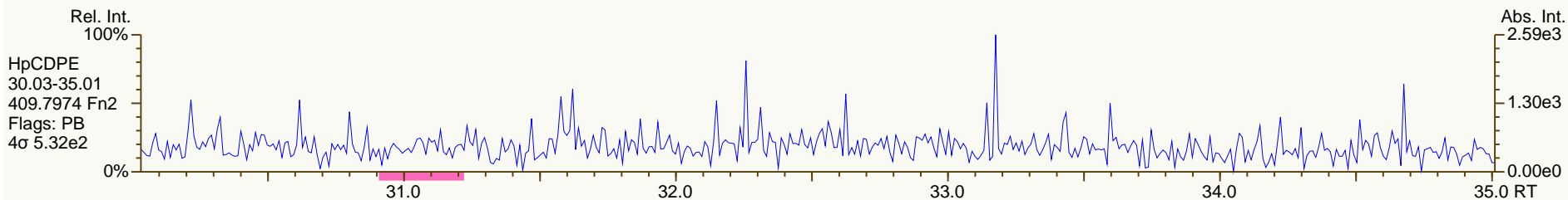
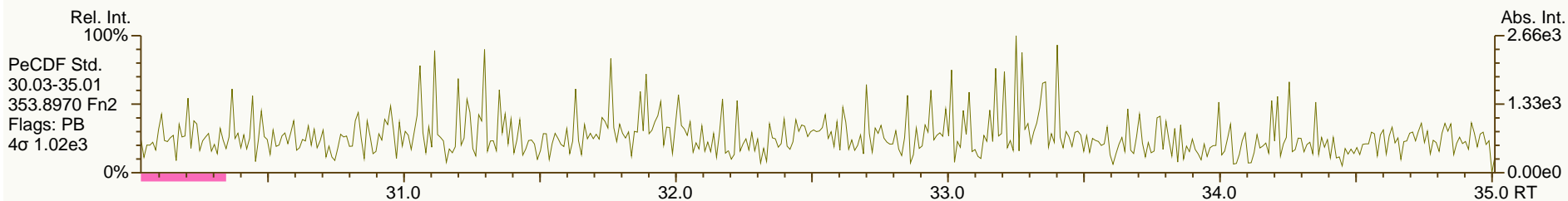
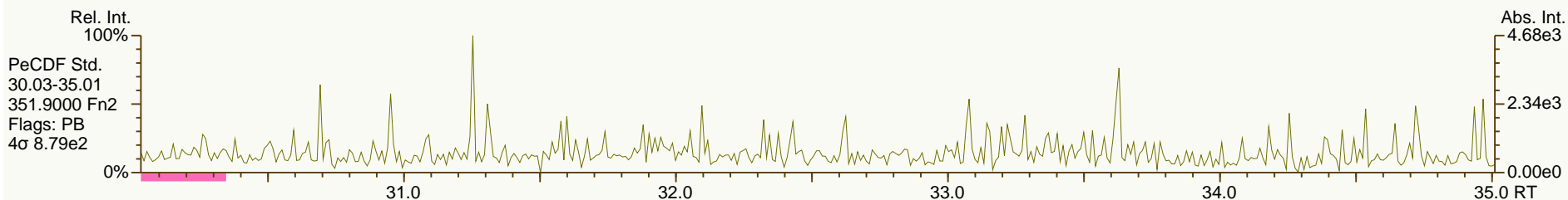
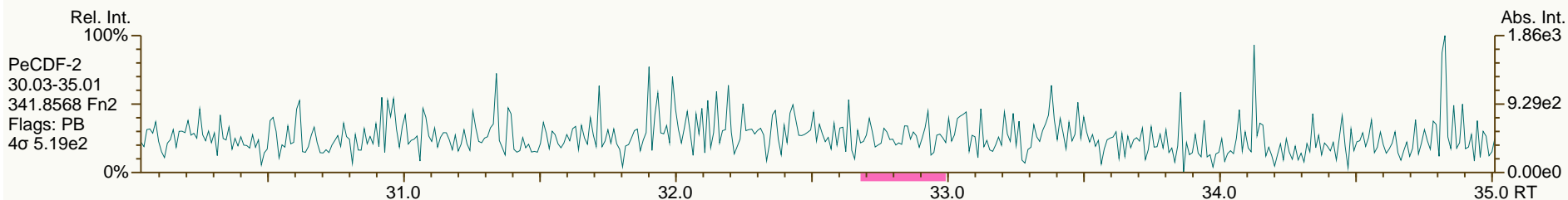
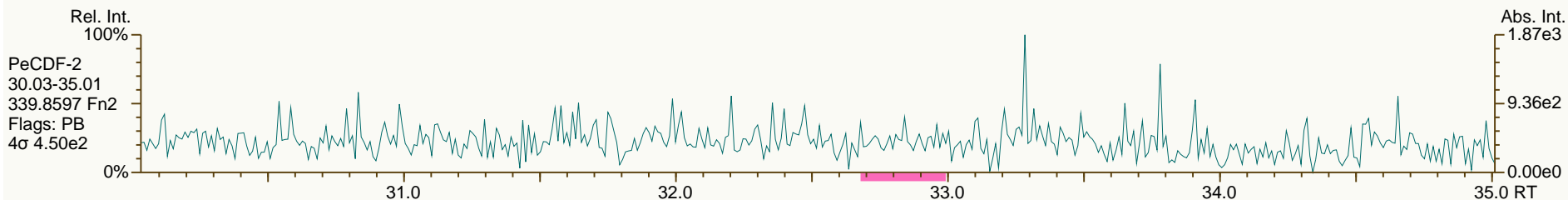
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

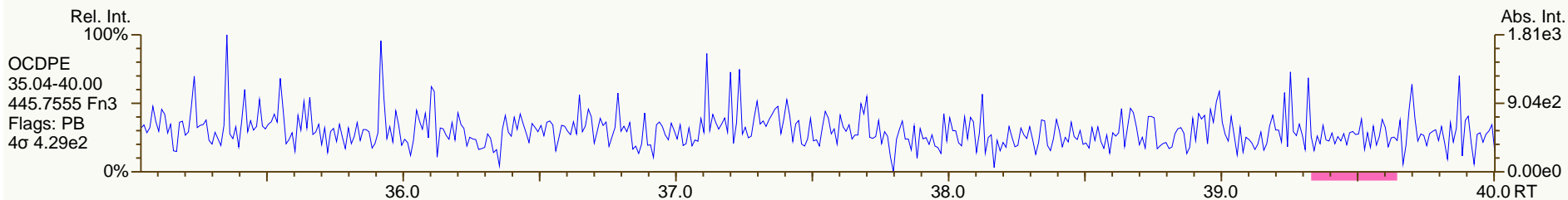
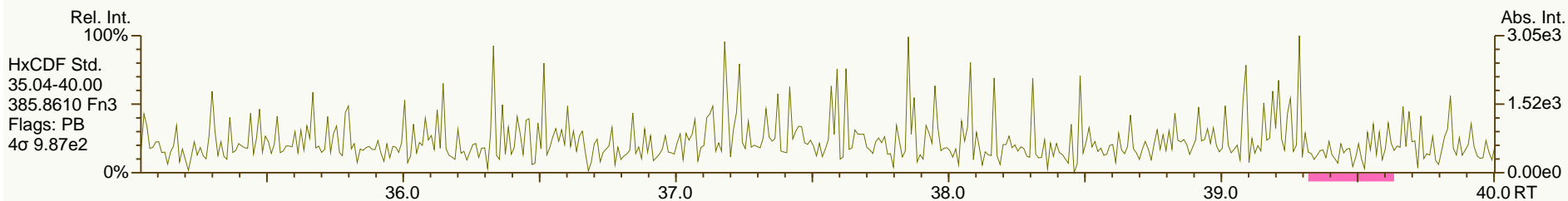
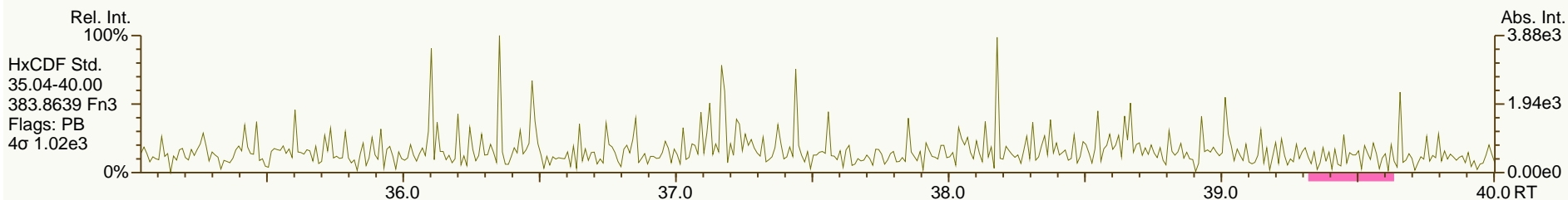
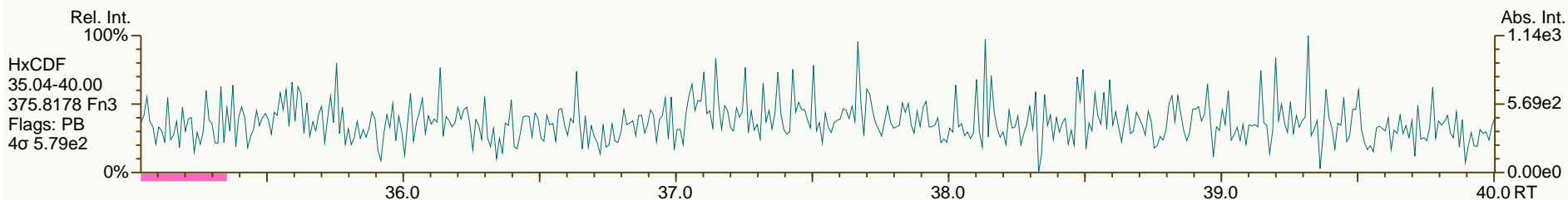
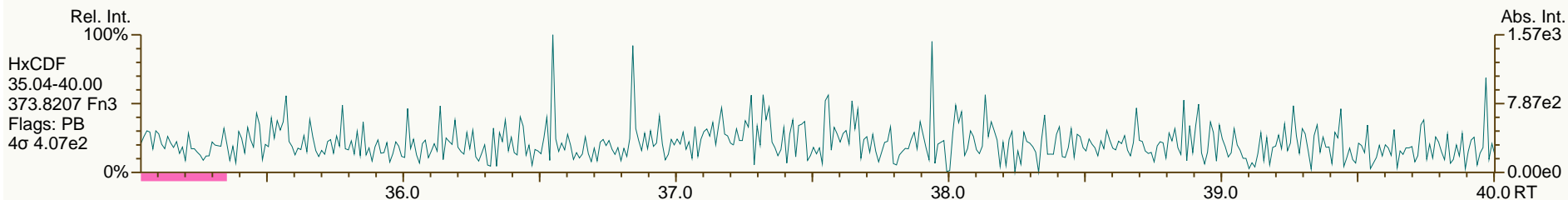
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

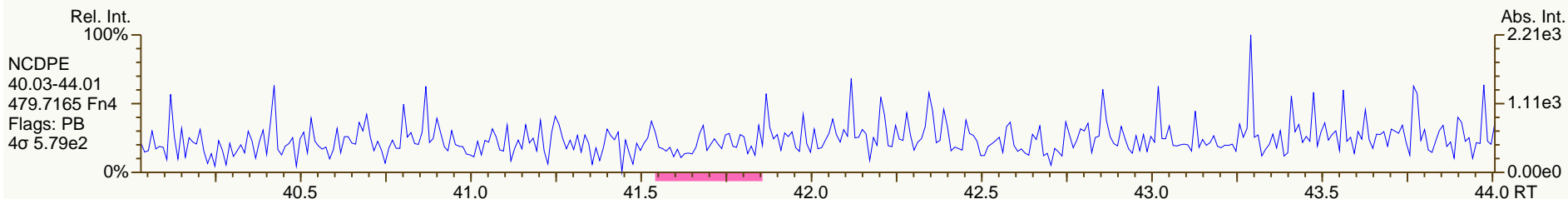
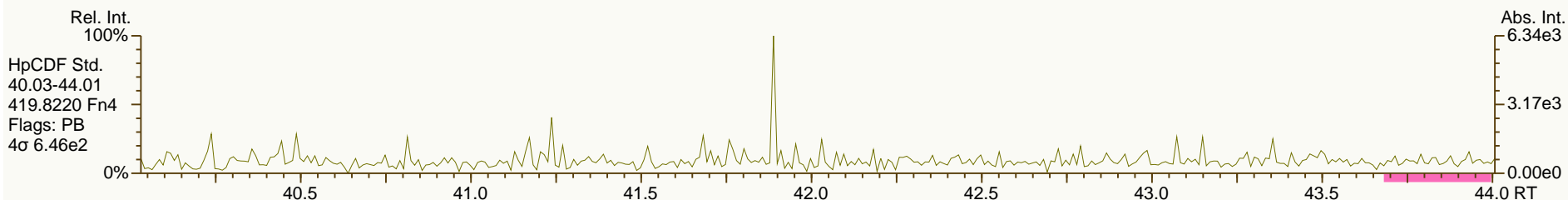
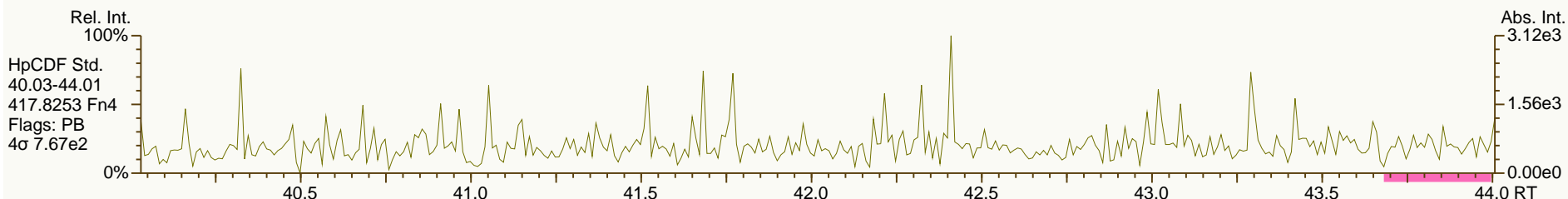
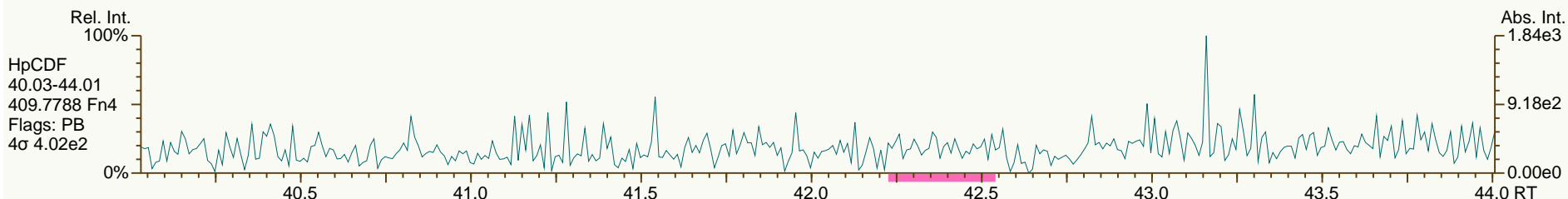
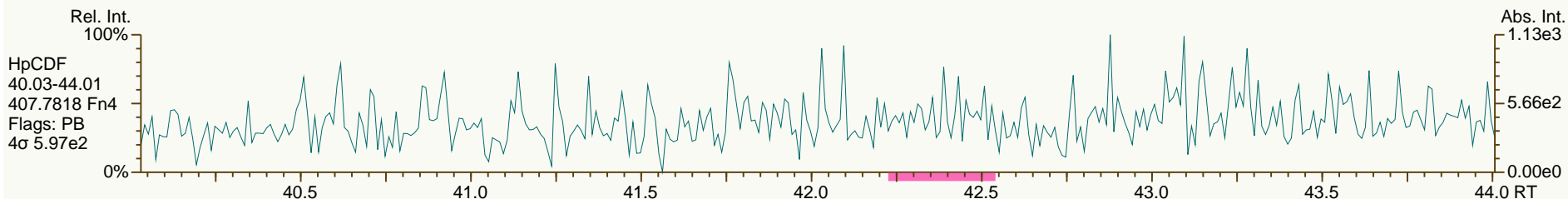
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SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

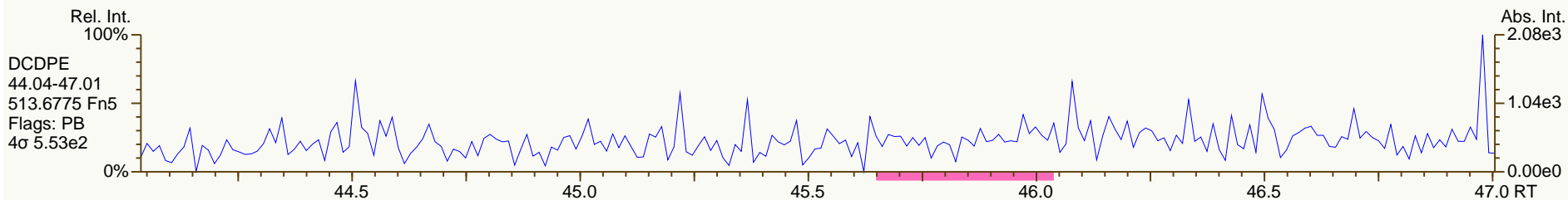
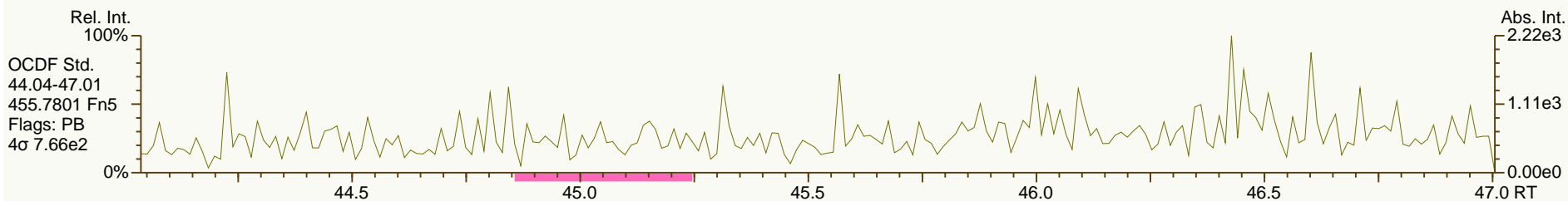
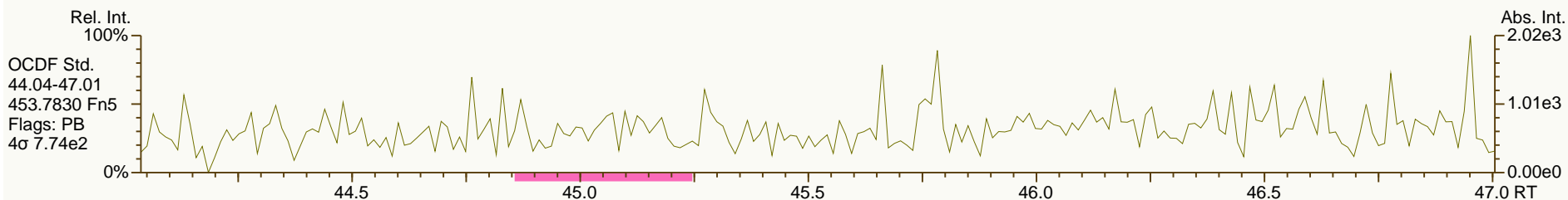
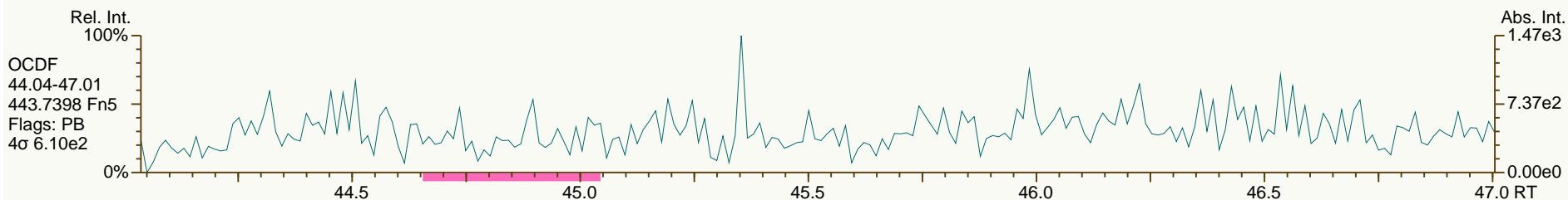
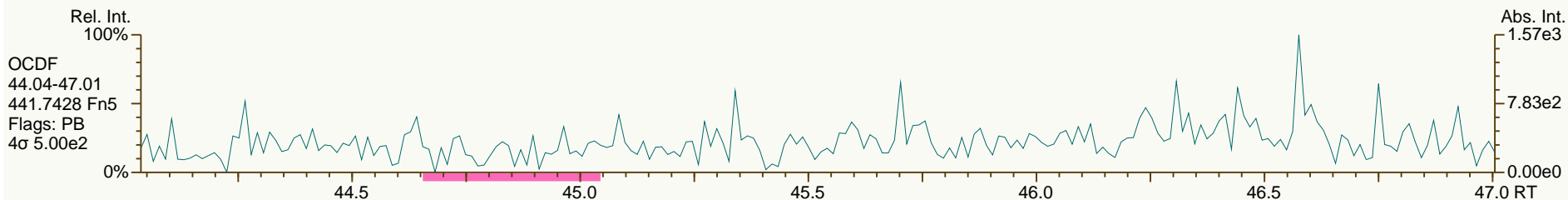
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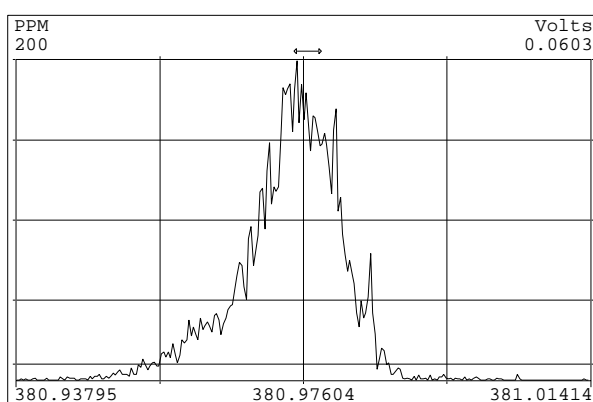
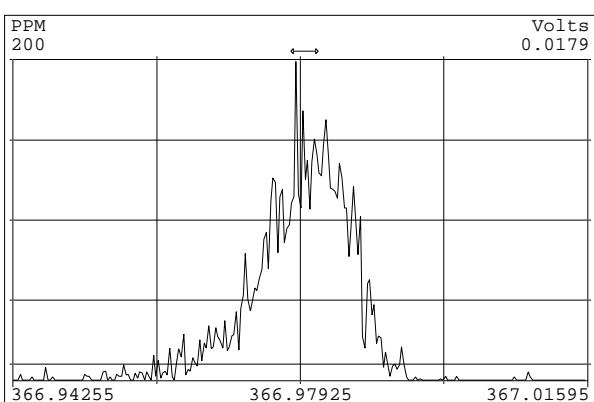
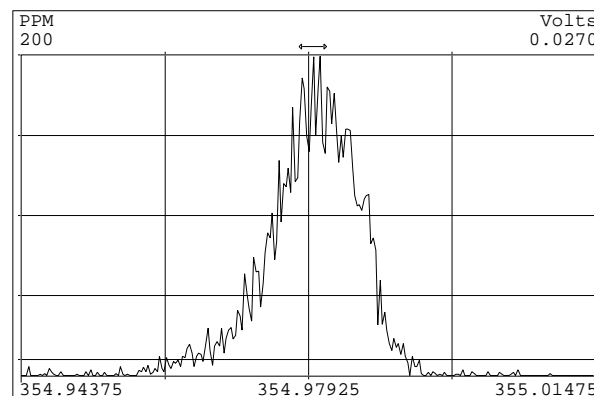
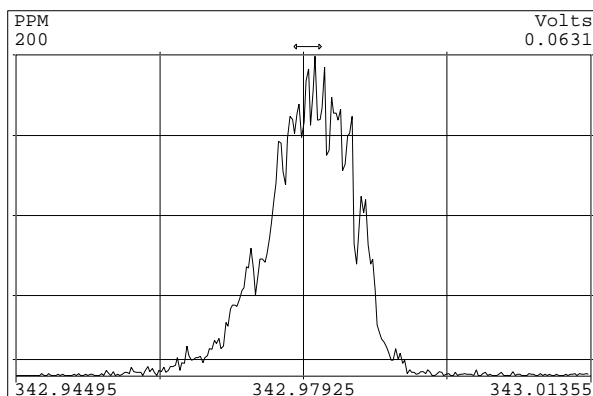
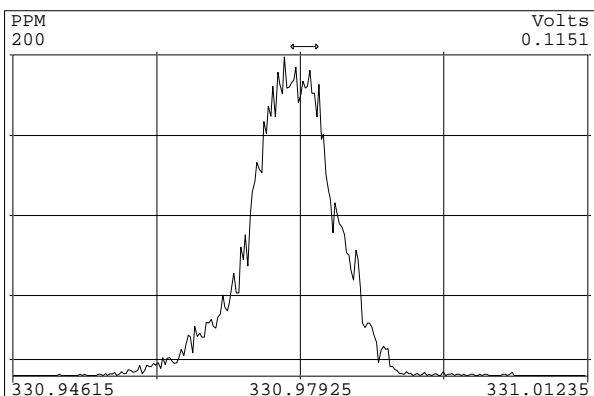
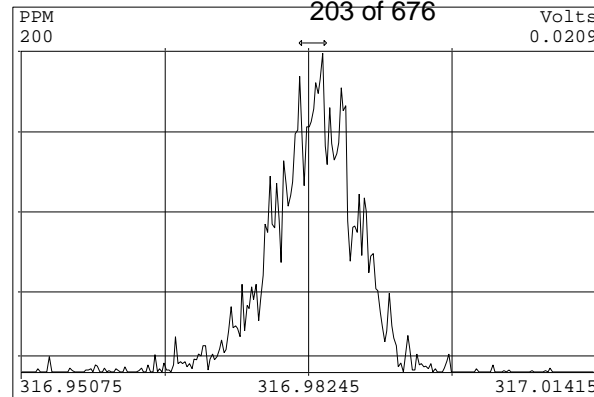
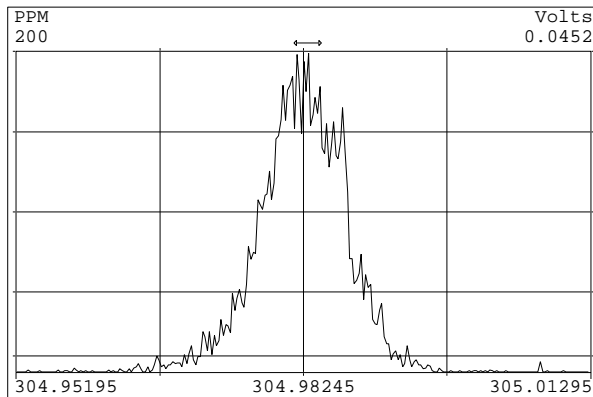
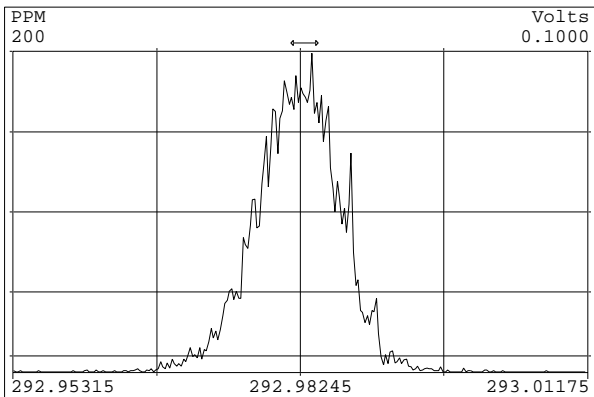


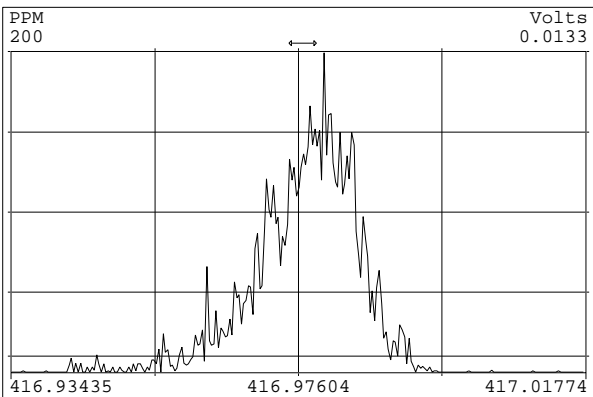
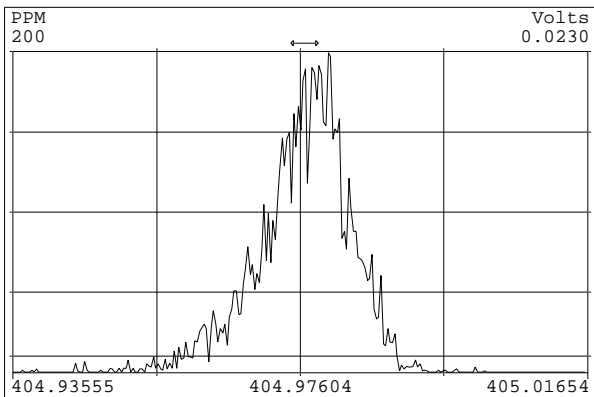
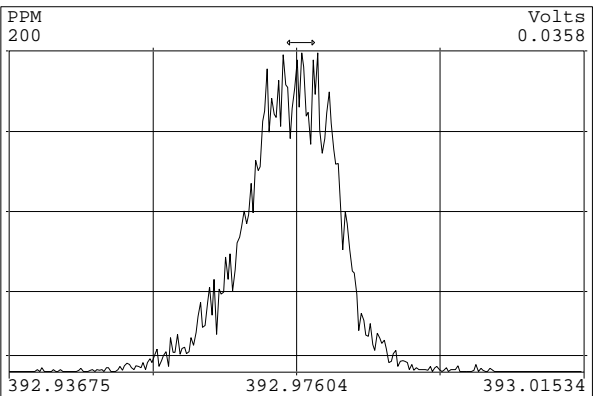
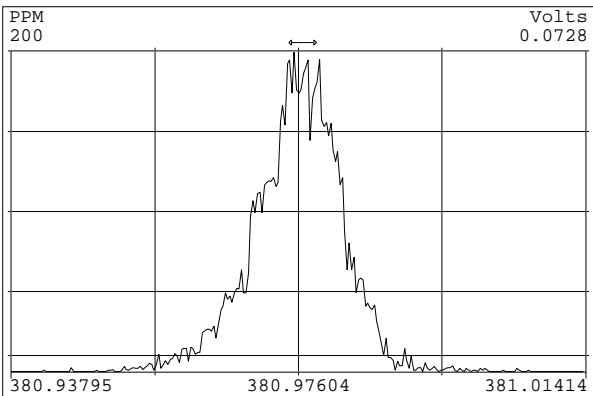
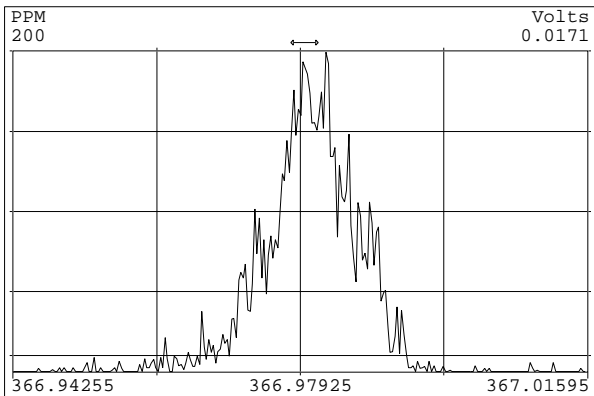
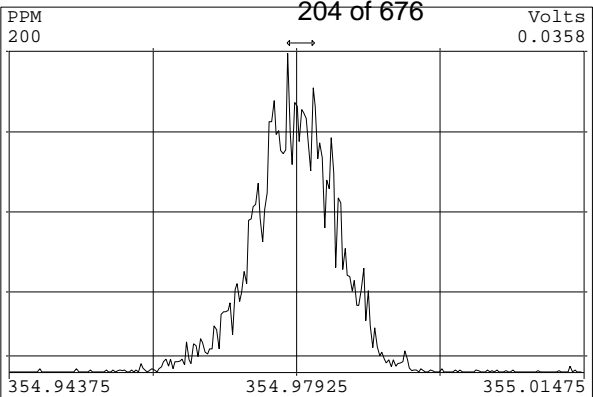
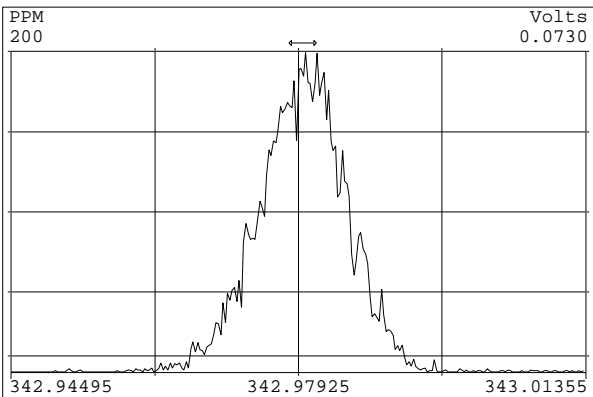
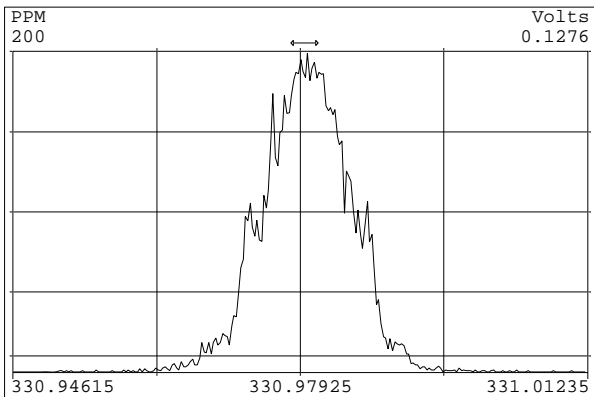
SGS-AP ID: SBS_130518_DF_PA
 Instr: AutoSpec-Ultima MM1

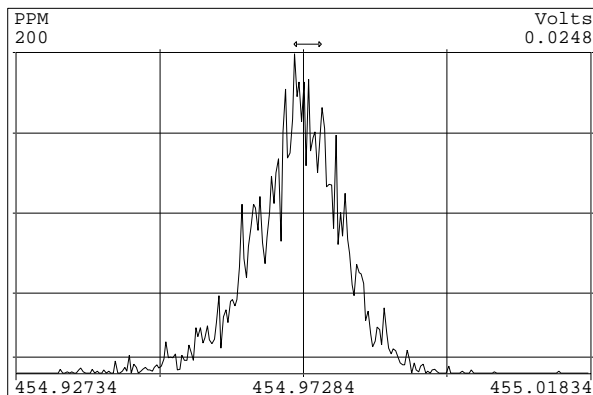
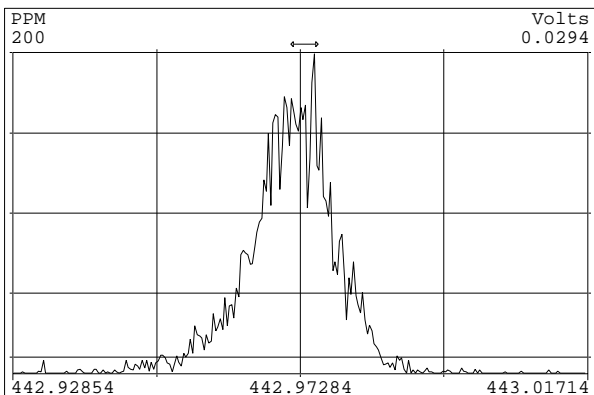
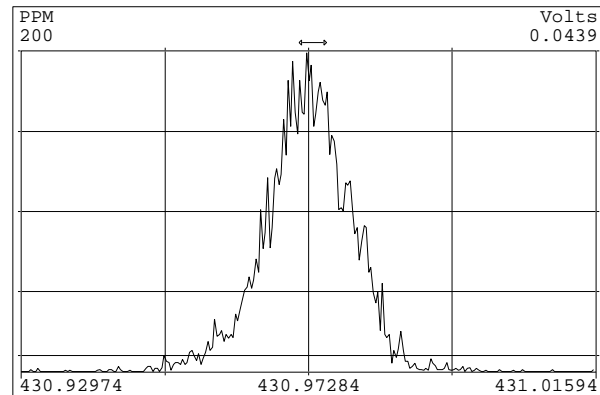
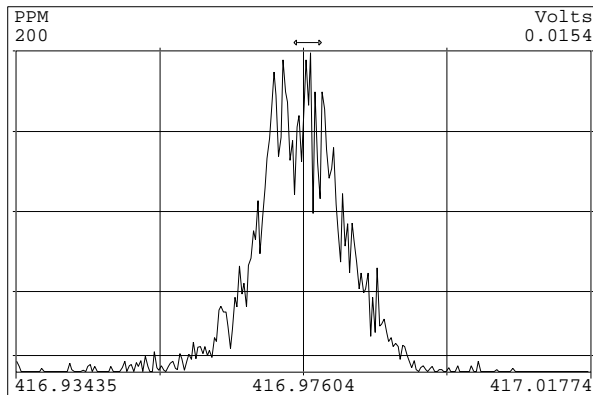
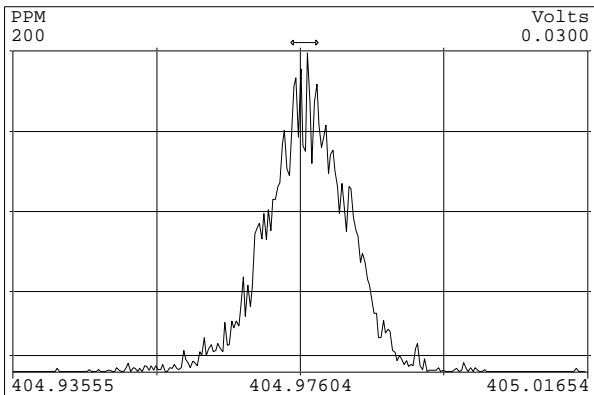
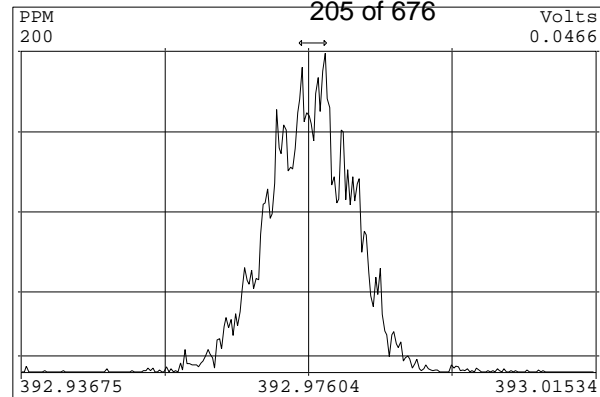
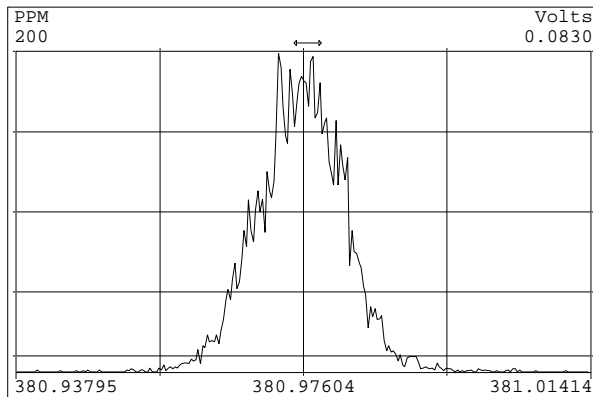
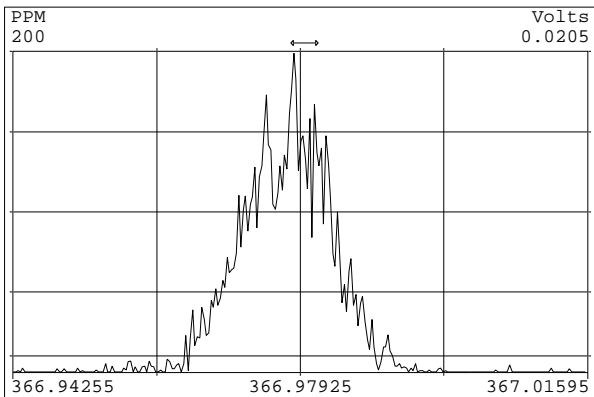
Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

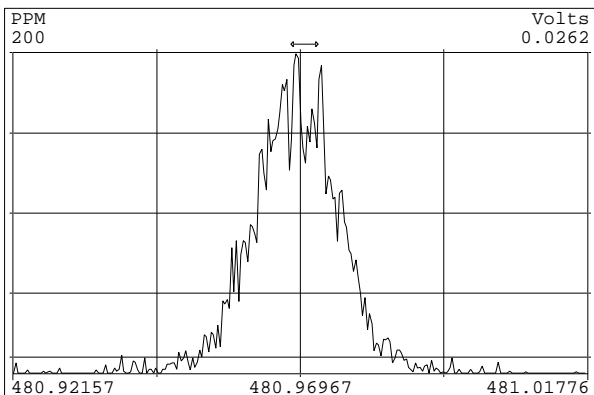
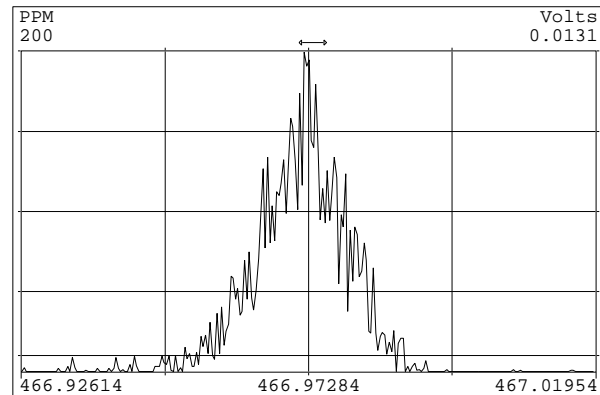
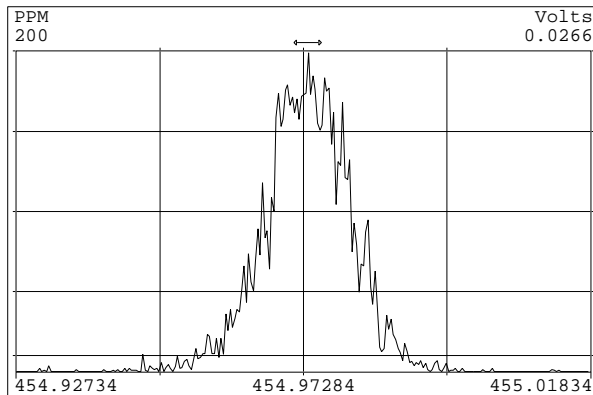
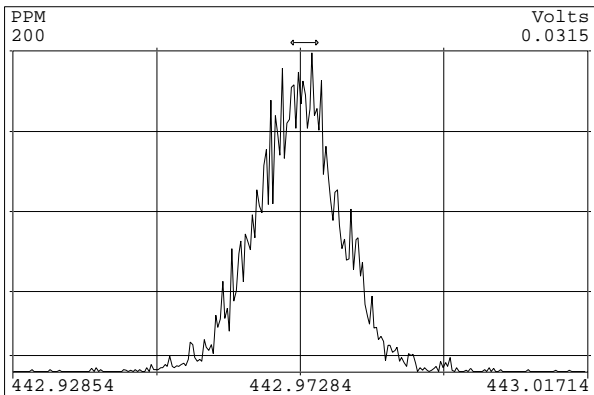
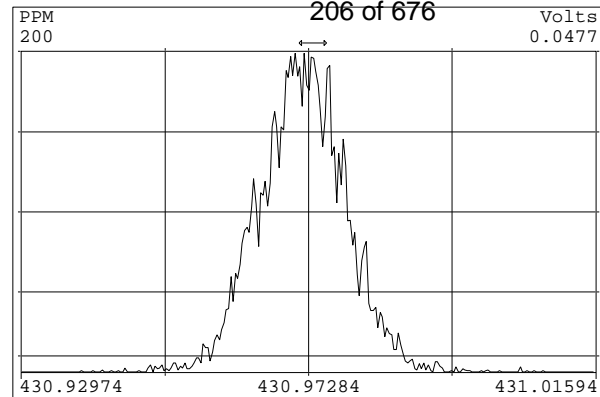
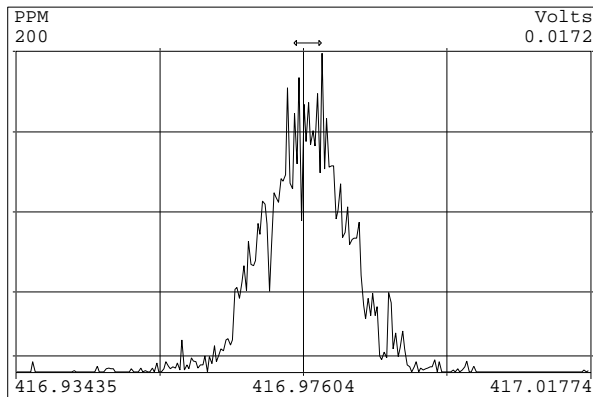
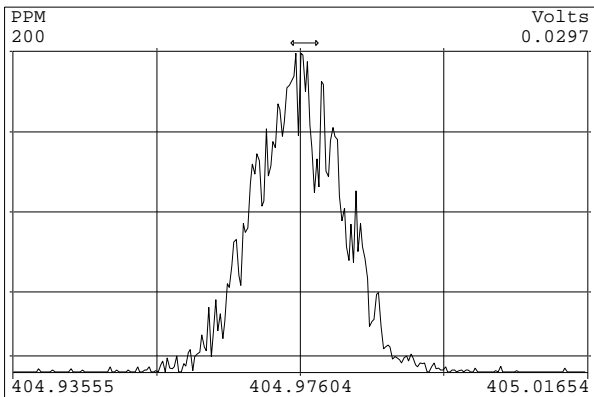
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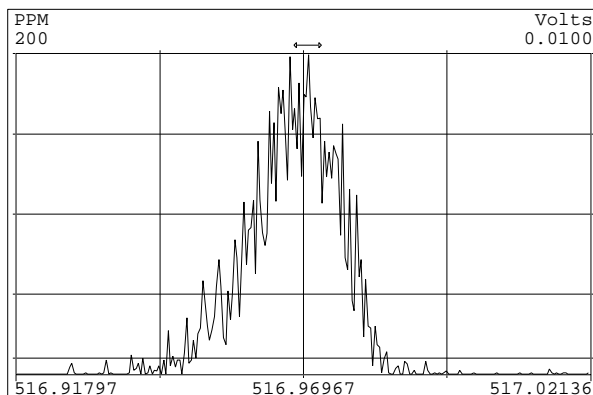
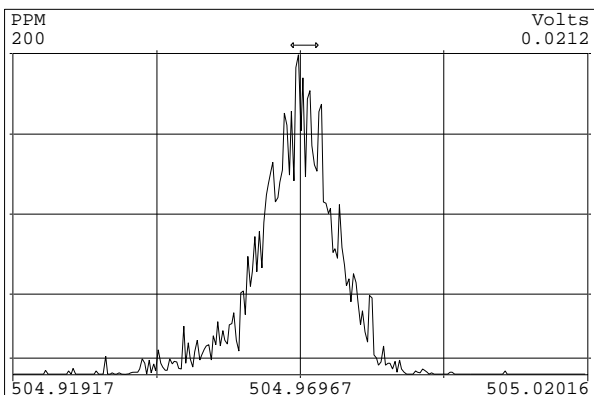
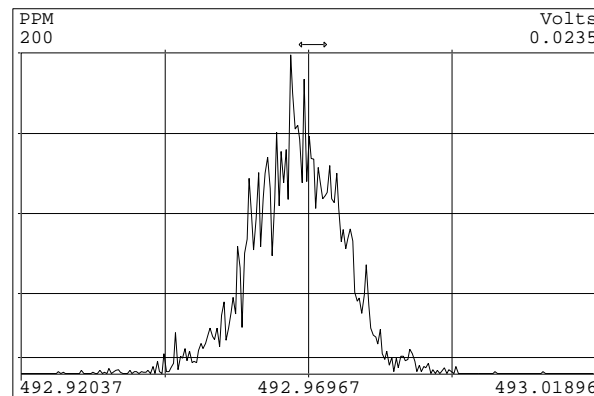
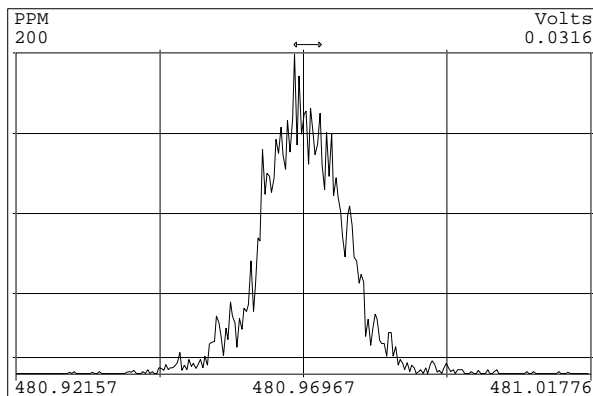
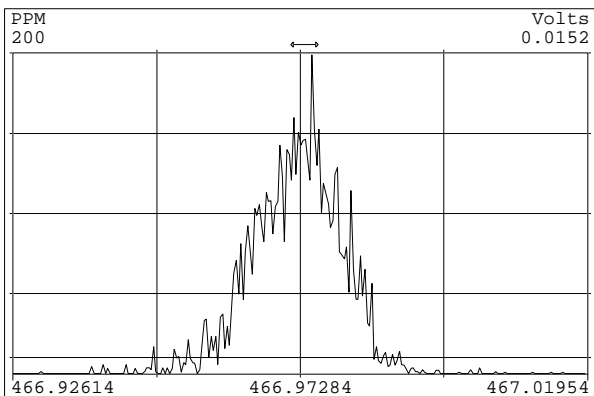
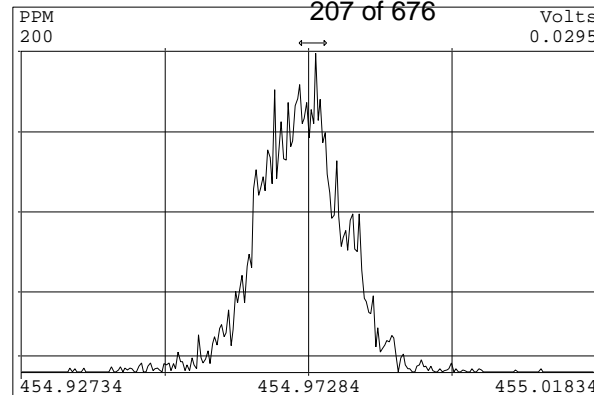
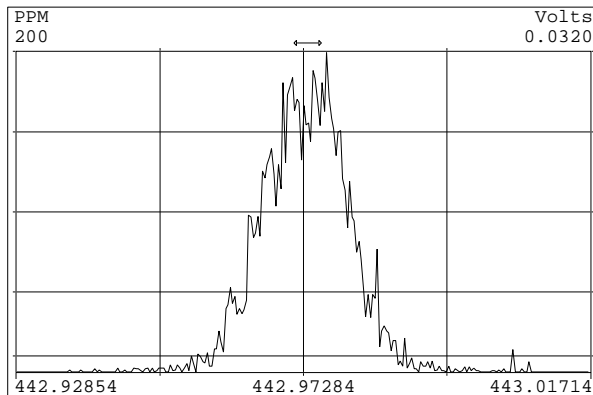
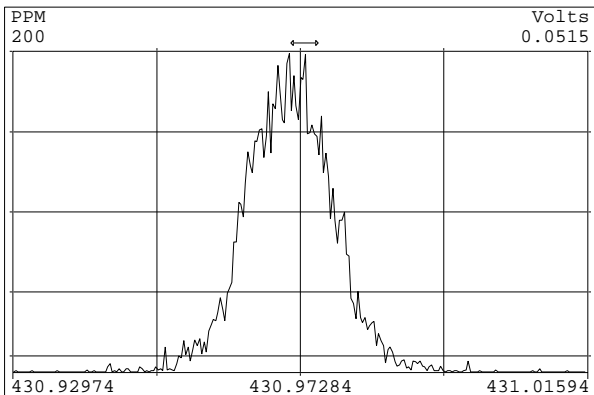


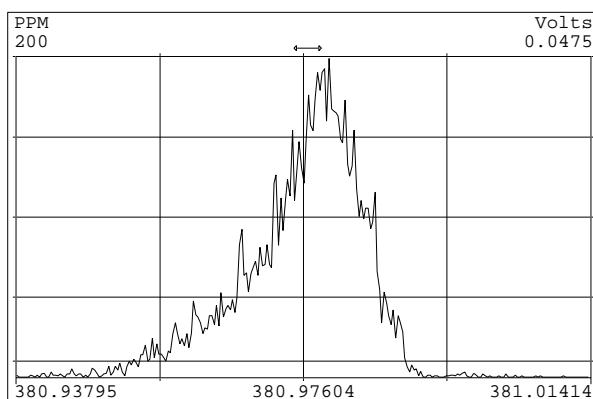
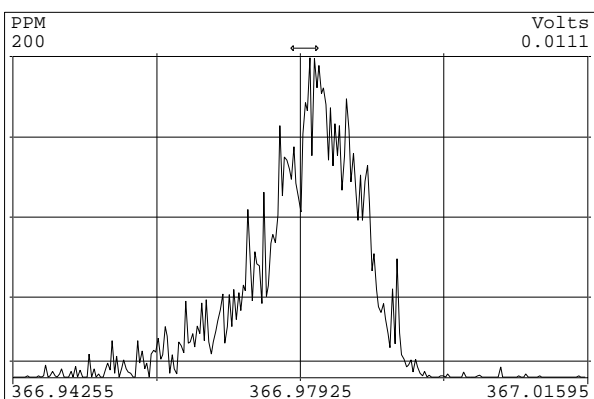
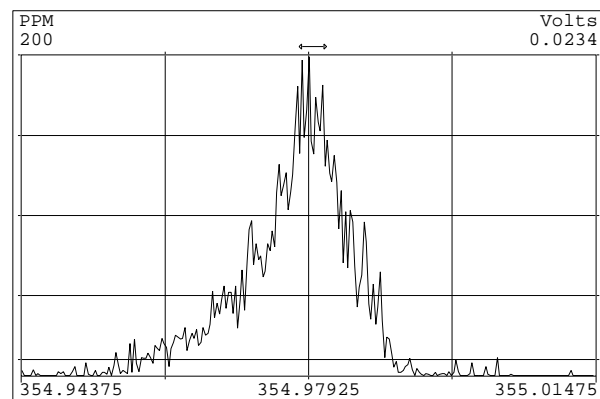
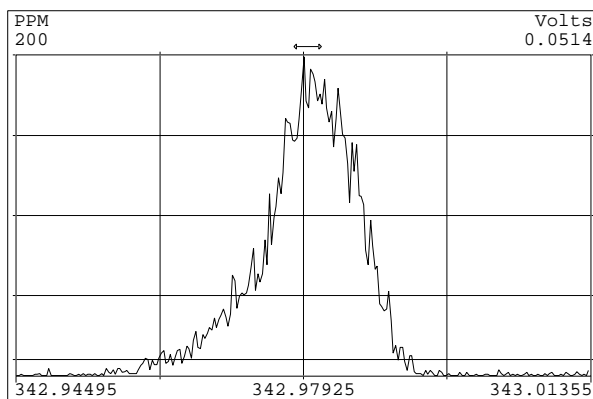
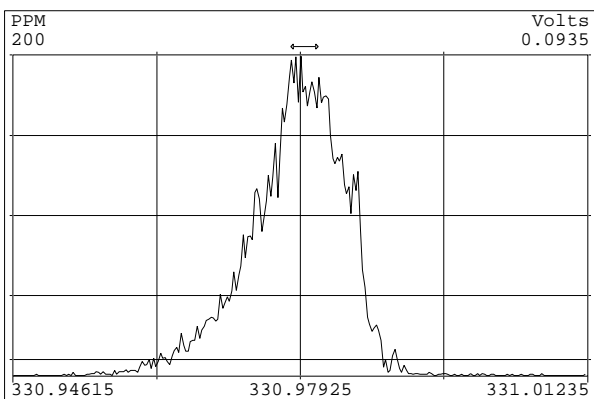
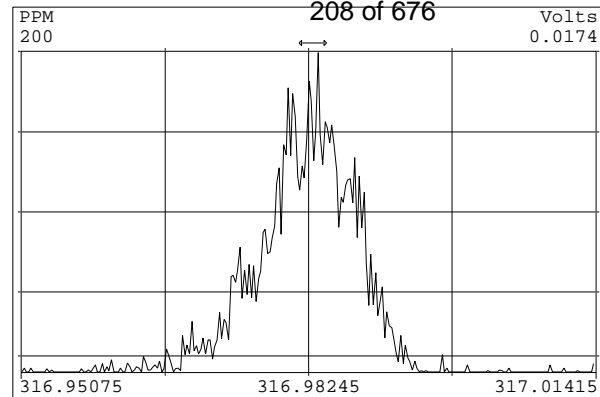
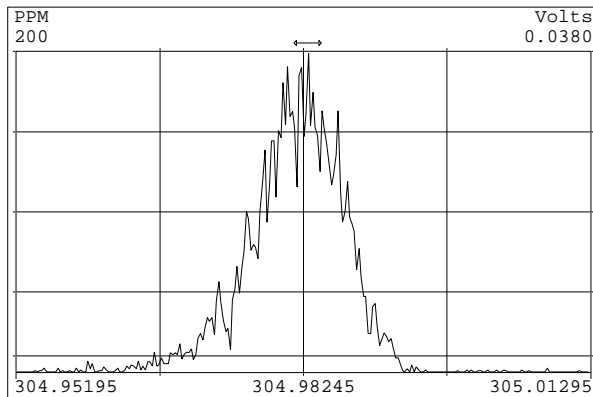
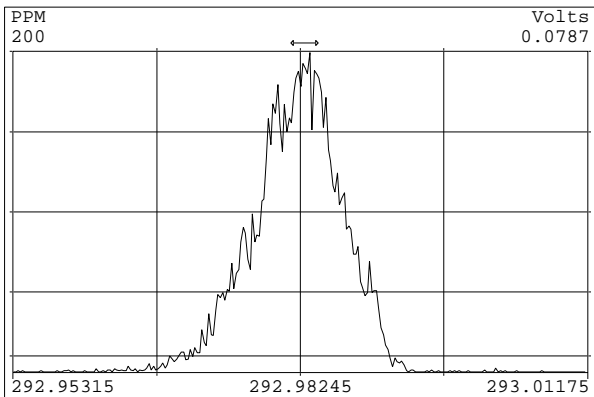


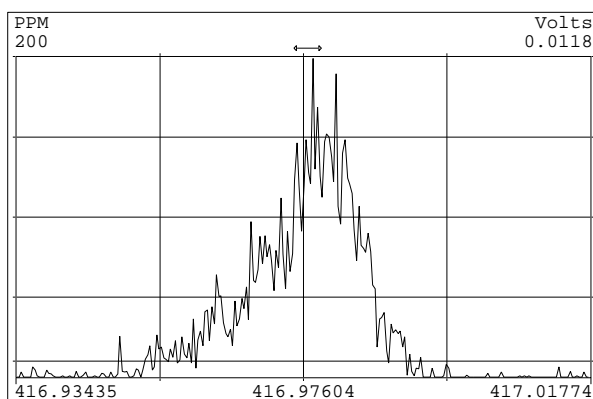
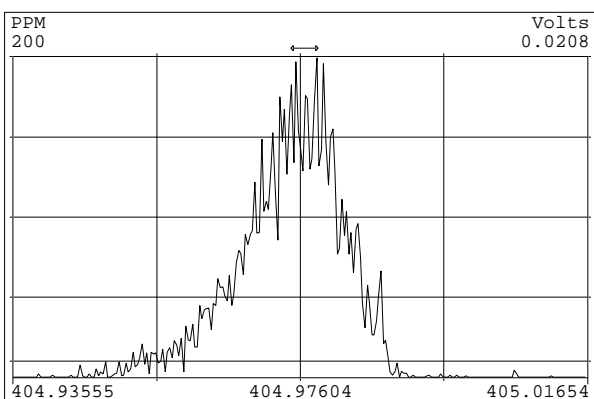
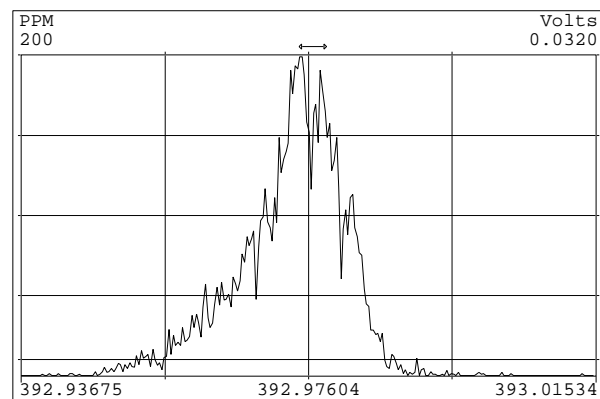
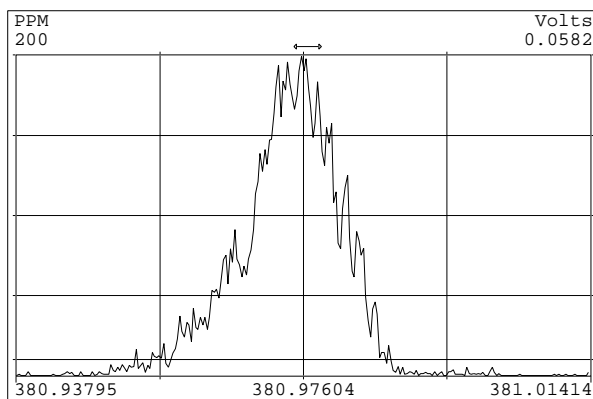
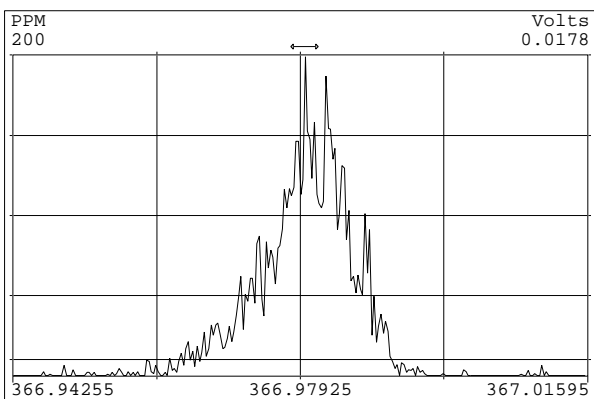
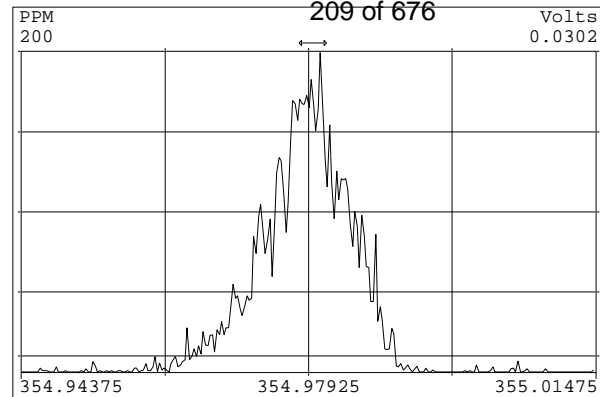
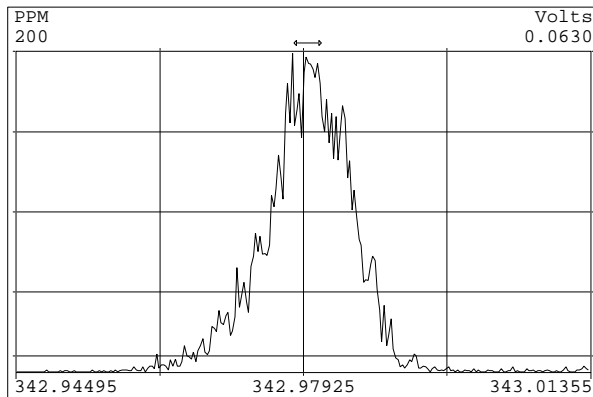
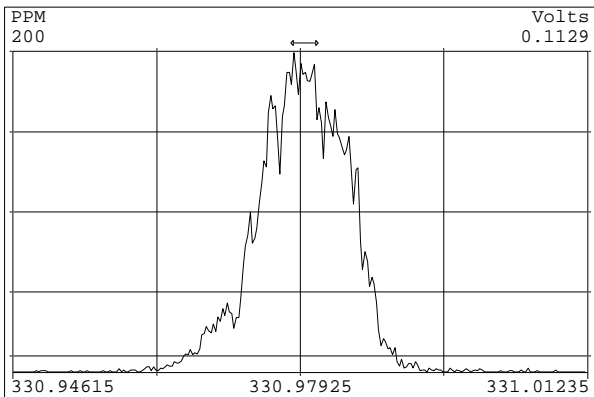


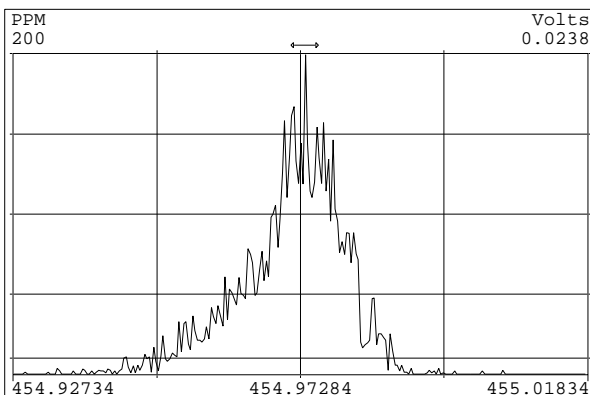
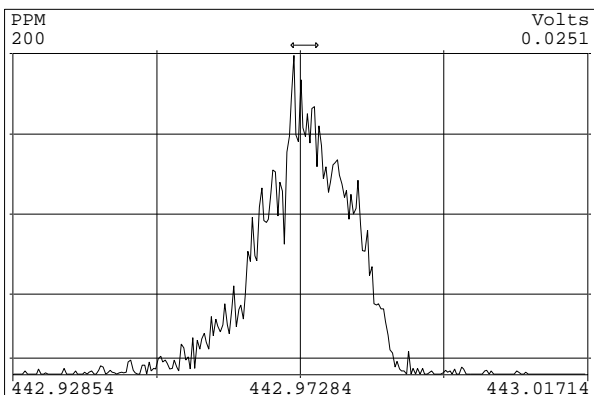
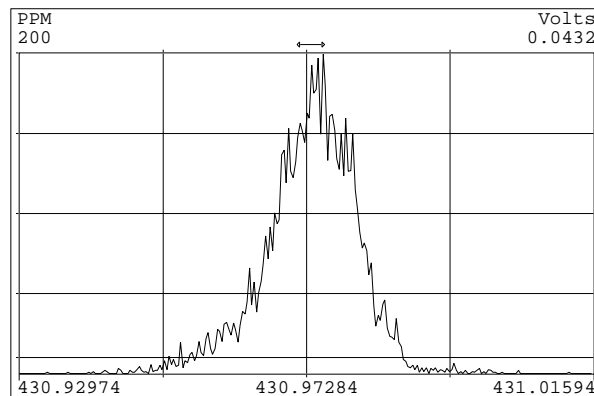
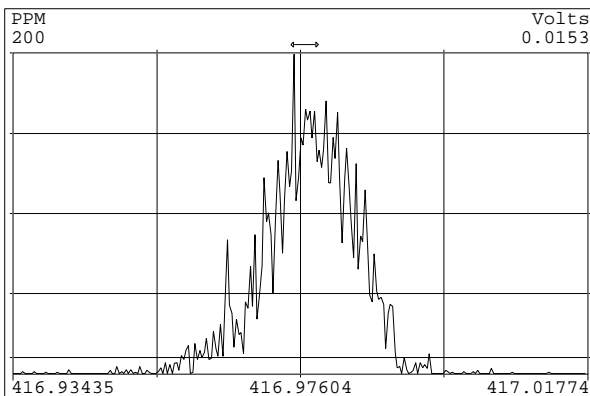
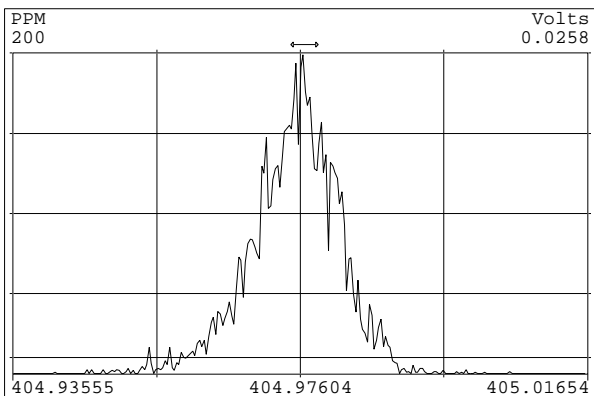
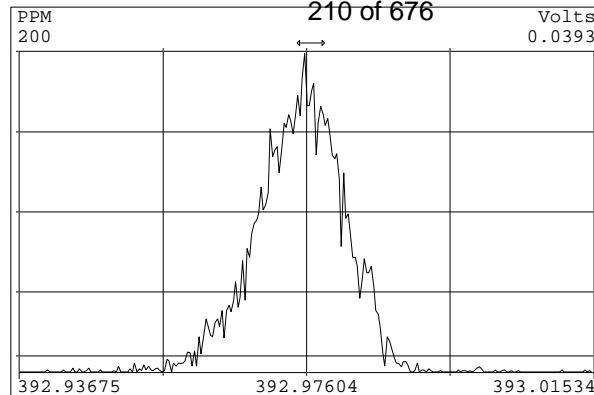
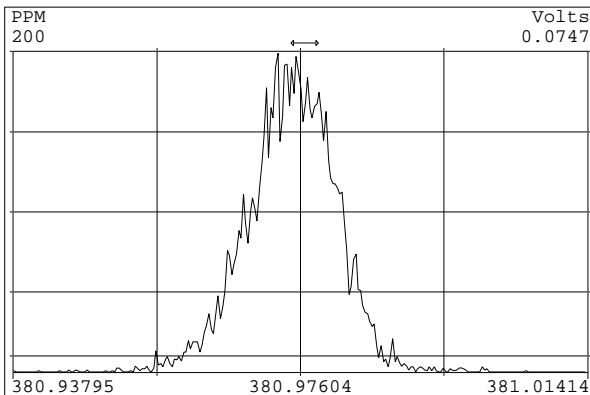
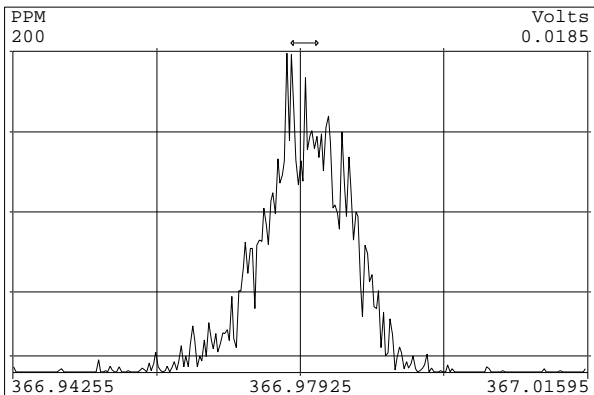


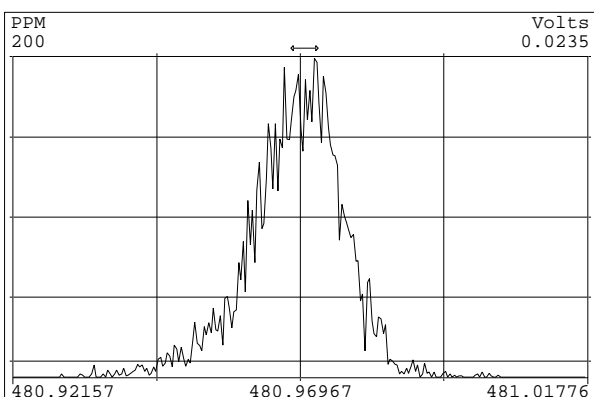
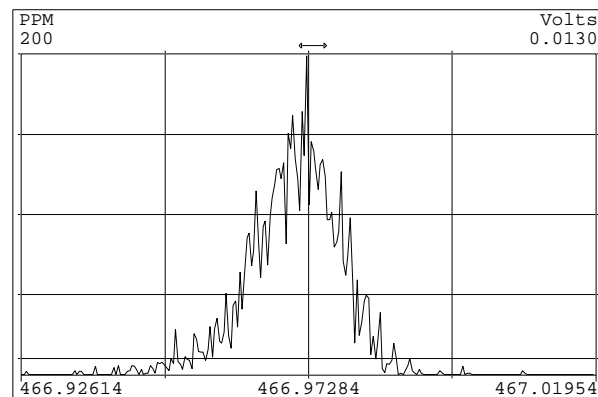
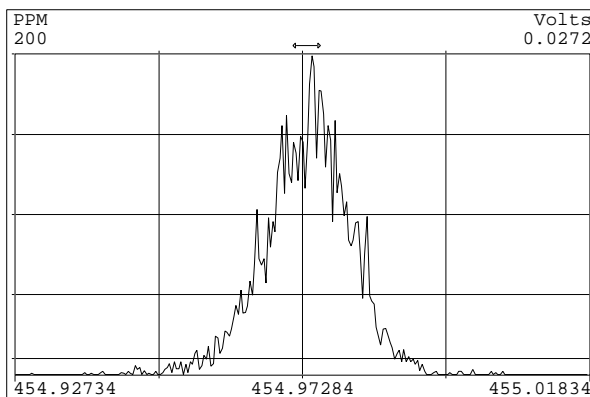
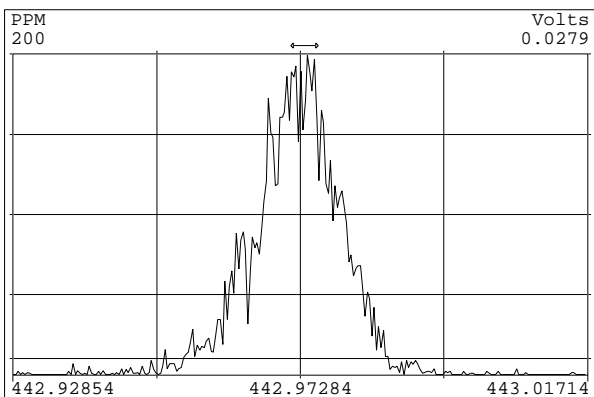
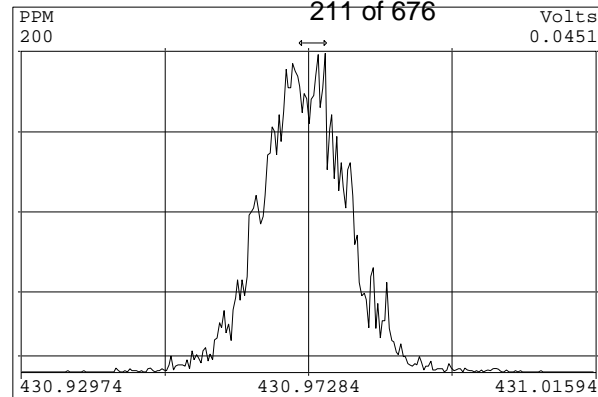
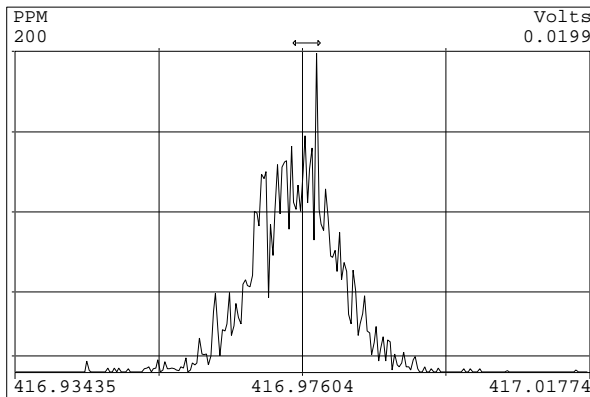
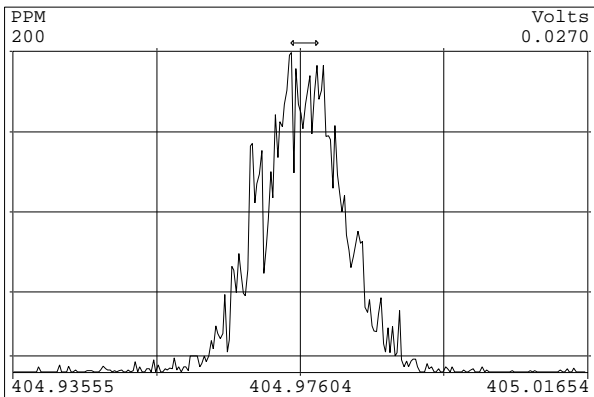


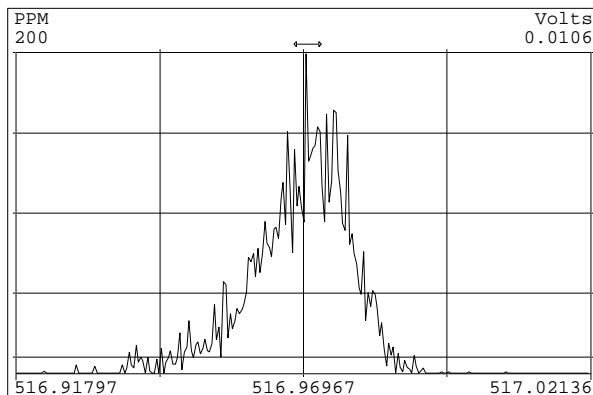
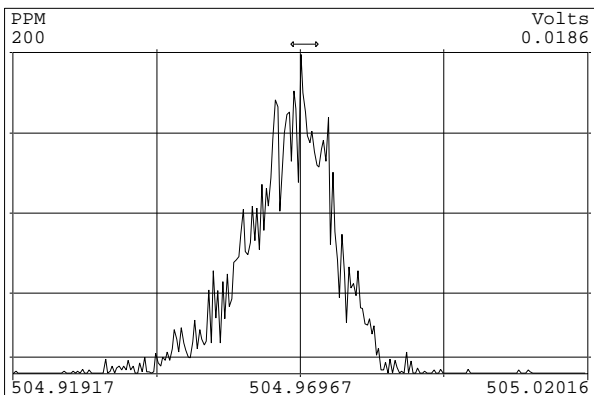
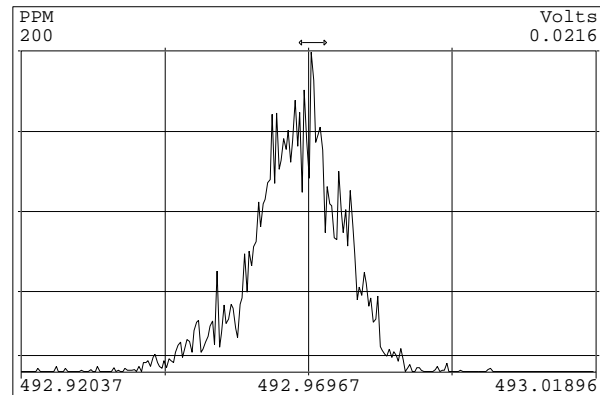
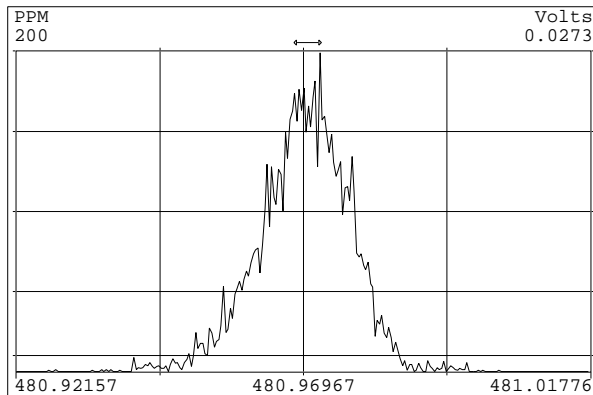
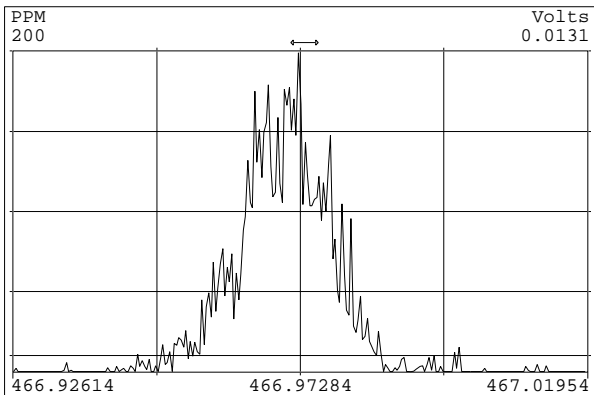
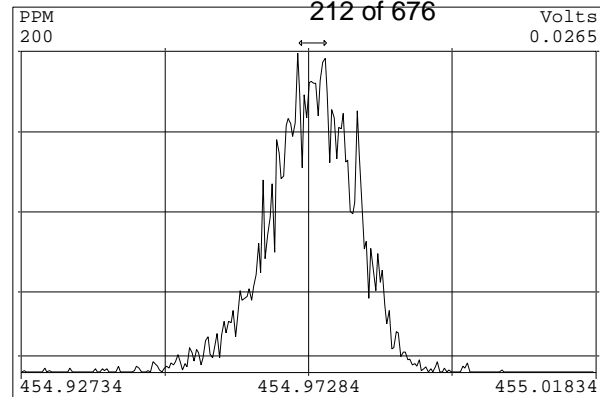
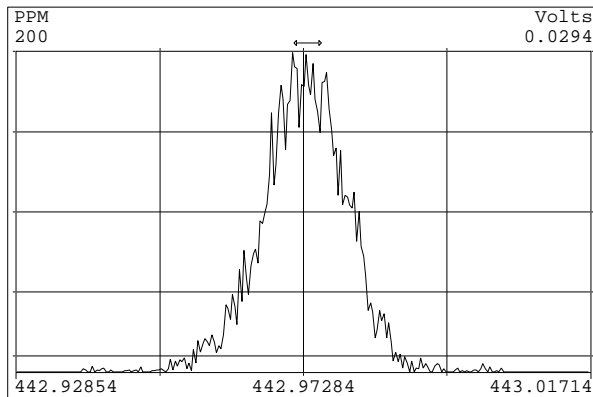
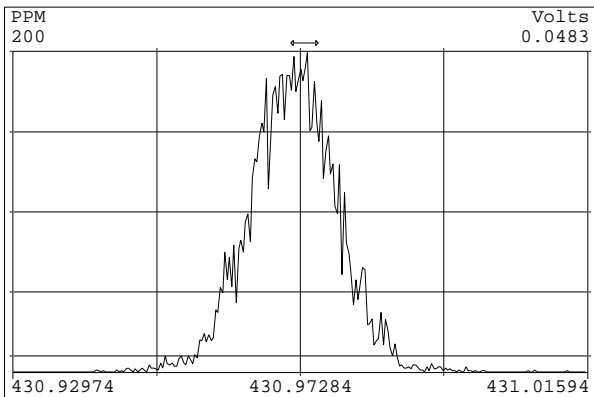












SGS Analytical Perspectives — Run Log

Project: A5462_10924_PCB

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130519X01	4	CS3_130519_PCB_XA	1.00	SIL 13-18-1	LKB	160-831	18-May-2013	15:05:17
2	130519X02	20	OPR1_10924_PCB	1.00	0_10924_OPR001	LKB	643-959	18-May-2013	16:01:52
3	130519X03	2	SBS_130519_PCB_XA	1.00	SIL 9-41-1	LKB	765-228	18-May-2013	16:55:03
4	130519X04	21	MB1_10924_PCB_TLX	1.00	Method Blank A5462	LKB	228-058	18-May-2013	17:50:04
7	130519X07	24	A5462_10924_PCB_001	0.99	JW-SSRB-130429	LKB	623-716	18-May-2013	20:35:05
8	130519X08	25	A5462_10924_PCB_002	0.98	JW-SSFB-130429	LKB	232-755	18-May-2013	21:30:05



= manual calculation

REVIEWED*By Laura Boivin at 3:08 pm, May 21, 2013***APPROVED***By Amy Boehm at 4:27 pm, May 22, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 21-May-2013 14:46		
Lab ID:	CS3_130519_PCB_XA						
Acquired:	18-MAY-2013 15:05		ICAL: MM7_PCB_07132012_25JUL12				
Datafile:	130519X01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.80	4.95E+07	0.78 Y	1.13	1.11	-2.3%	
PCB-81 344'5'-TeCB	31.33	4.79E+07	0.77 Y	1.13	1.13	0.2%	
PCB-105 233'44'-PeCB	34.78	4.19E+07	0.62 Y	1.09	1.16	6.0%	
PCB-114 2344'5'-PeCB	34.24	4.56E+07	0.62 Y	1.16	1.26	8.4%	
PCB-118 23'44'5'-PeCB	33.79	4.36E+07	0.62 Y	1.11	1.17	5.4%	
PCB-123 23'44'5'-PeCB	33.51	4.48E+07	0.62 Y	1.19	1.26	5.9%	
PCB-126 33'44'5'-PeCB	37.38	3.89E+07	0.62 Y	1.06	1.08	1.3%	
PCB-156/157 ...-HxCB	39.93	7.25E+07	1.17 Y	1.11	1.05	-5.1%	
PCB-167 23'44'55'-HxCB	38.96	3.95E+07	1.17 Y	1.14	1.11	-2.7%	
PCB-169 33'44'55'-HxCB	42.63	3.54E+07	1.17 Y	1.11	1.08	-3.0%	
PCB-189 233'44'55'-HpCB	44.76	3.47E+07	1.04 Y	1.06	1.04	-1.5%	
PCB-209 DeCB	49.74	2.28E+07	1.18 Y	1.07	1.06	-1.0%	
ES PCB-1	11.28	1.21E+08	3.08 Y	1.08	1.04	-3.4%	
ES PCB-3	13.48	1.19E+08	3.12 Y	1.08	1.02	-5.6%	
ES PCB-4	13.72	6.47E+07	1.61 Y	0.49	0.56	14.1%	
ES PCB-15	19.27	1.26E+08	1.59 Y	1.11	1.08	-2.4%	
ES PCB-19	16.70	6.48E+07	1.05 Y	0.55	0.56	0.7%	
ES PCB-37	25.50	9.98E+07	1.08 Y	1.64	1.52	-7.4%	
ES PCB-54	19.54	5.08E+07	0.80 Y	0.94	0.77	-18.0%	
ES PCB-77	31.78	8.94E+07	0.80 Y	1.35	1.36	0.8%	
ES PCB-81	31.31	8.48E+07	0.81 Y	1.29	1.29	0.0%	
ES PCB-104	24.45	4.64E+07	1.66 Y	0.99	0.77	-22.7%	
ES PCB-105	34.76	7.23E+07	1.57 Y	1.23	1.20	-3.1%	
ES PCB-114	34.22	7.25E+07	1.57 Y	1.25	1.20	-3.9%	
ES PCB-118	33.77	7.48E+07	1.57 Y	1.28	1.24	-3.4%	
ES PCB-123	33.49	7.12E+07	1.58 Y	1.22	1.18	-3.3%	
ES PCB-126	37.36	7.23E+07	1.59 Y	1.20	1.20	-0.3%	
ES PCB-153	35.35	5.10E+07	1.28 Y	1.14	1.14	-0.4%	
ES PCB-155	29.38	6.58E+07	1.29 Y	1.50	1.46	-2.1%	
ES PCB-156/157	39.91	1.38E+08	1.28 Y	1.45	1.54	5.6%	
ES PCB-167	38.94	7.15E+07	1.28 Y	1.49	1.59	6.5%	
ES PCB-169	42.61	6.57E+07	1.28 Y	1.40	1.46	4.1%	
ES PCB-170	42.13	4.30E+07	1.08 Y	1.00	1.00	0.1%	
ES PCB-180	41.08	4.96E+07	1.10 Y	1.16	1.16	-0.2%	
ES PCB-188	34.23	3.86E+07	1.10 Y	1.18	0.86	-27.0%	
ES PCB-189	44.74	6.68E+07	1.05 Y	1.49	1.56	4.7%	
ES PCB-202	38.75	4.23E+07	0.93 Y	1.14	0.94	-17.1%	
ES PCB-205	46.90	5.05E+07	0.89 Y	1.20	1.18	-2.0%	
ES PCB-206	48.36	3.61E+07	0.80 Y	0.87	0.84	-3.0%	
ES PCB-208	44.36	5.29E+07	0.79 Y	1.19	1.23	3.6%	
ES PCB-209	49.72	4.30E+07	1.18 Y	1.00	1.00	0.0%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 21-May-2013 14:46		
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.99	9.94E+07	1.07 Y	1.07	1.00	-7.4%	
SS PCB-111	31.82	7.31E+07	1.55 Y	1.01	1.03	2.0%	
SS PCB-178	36.78	2.37E+07	1.11 Y	0.63	0.61	-2.3%	
CS PCB-28	21.99	9.94E+07	1.07 Y	1.76	1.51	-14.2%	
CS PCB-111	31.82	7.31E+07	1.55 Y	1.23	1.21	-1.3%	
CS PCB-178	36.78	2.37E+07	1.11 Y	0.74	0.53	-28.7%	
JS PCB-9	15.64	1.16E+08	1.57 Y		-	-	
JS PCB-52	23.60	6.59E+07	0.80 Y		-	-	
JS PCB-101	29.54	6.04E+07	1.60 Y		-	-	
JS PCB-138	36.40	4.49E+07	1.25 Y		-	-	
JS PCB-194	46.50	4.29E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.30	6.27E+07	3.12 Y	1.03	1.03	0.0%	
PCB-3 4-MoCB	13.49	6.25E+07	3.15 Y	1.04	1.05	0.8%	
PCB-4 22'-DiCB	13.73	3.78E+07	1.58 Y	1.17	1.17	-0.1%	
PCB-15 44'-DiCB	19.28	6.40E+07	1.55 Y	1.08	1.02	-5.9%	
PCB-19 22'6'-TrCB	16.72	3.46E+07	1.08 Y	1.09	1.07	-2.3%	
PCB-37 344'-TrCB	25.52	5.63E+07	1.03 Y	1.10	1.13	2.1%	
PCB-54 22'66'-TeCB	19.56	3.44E+07	0.82 Y	1.21	1.36	12.3%	
PCB-104 22'466'-PeCB	24.48	3.31E+07	0.65 Y	1.25	1.43	13.7%	
PCB-155 22'44'66'-HxCB	29.40	4.05E+07	1.28 Y	1.09	1.23	12.8%	
PCB-188 22'34'566'-HpCB	34.25	2.31E+07	1.09 Y	1.03	1.20	16.0%	
PCB-202 22'33'55'66'-OcCB	38.77	2.15E+07	0.93 Y	0.91	1.02	11.3%	
PCB-205 233'44'55'6-OcCB	46.92	2.51E+07	0.94 Y	1.09	0.99	-8.8%	
PCB-208 22'33'455'66'-NoCB	44.38	2.70E+07	0.77 Y	1.02	1.02	0.6%	
PCB-206 22'33'44'55'6-NoCB	48.38	1.76E+07	0.77 Y	0.98	0.98	-0.3%	

PCB QC Summary - Ax2 Detail				Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.30	6.27E+07	3.12 Y	1.03	-	-	
PCB-2 3-MoCB	13.31	6.27E+07	3.16 Y	1.04	1.06	1.3%	
PCB-3 4-MoCB	13.49	6.25E+07	3.15 Y	1.04	-	-	
PCB-4 22'-DiCB	13.73	3.78E+07	1.58 Y	1.17	-	-	
PCB-10 26-DiCB	13.91	5.88E+07	1.58 Y	1.83	1.82	-0.8%	
PCB-9 25-DiCB	15.65	5.47E+07	1.56 Y	0.89	0.87	-2.9%	
PCB-7 24-DiCB	15.81	6.19E+07	1.56 Y	1.02	0.98	-4.0%	
PCB-6 23'-DiCB	16.03	5.85E+07	1.56 Y	0.95	0.93	-2.1%	
PCB-5 23-DiCB	16.32	5.82E+07	1.55 Y	0.97	0.93	-4.9%	
PCB-8 24'-DiCB	16.44	5.99E+07	1.56 Y	0.98	0.95	-3.2%	
PCB-14 35-DiCB	17.96	7.01E+07	1.57 Y	1.16	1.11	-3.8%	
PCB-11 33'-DiCB	18.72	6.07E+07	1.55 Y	1.00	0.96	-3.6%	
PCB-13/12 34'/34-DiCB	19.00	1.22E+08	1.55 Y	1.02	0.97	-4.9%	
PCB-15 44'-DiCB	19.28	6.40E+07	1.55 Y	1.08	-	-	
PCB-19 22'6-TrCB	16.72	3.46E+07	1.08 Y	1.09	-	-	
PCB-30/18 246/22'5-TrCB	18.44	9.43E+07	1.07 Y	1.46	1.46	-0.4%	
PCB-17 22'4-TrCB	18.83	4.05E+07	1.08 Y	1.25	1.25	-0.2%	
PCB-27 23'6-TrCB	19.02	5.41E+07	1.08 Y	1.69	1.67	-1.3%	
PCB-24 236-TrCB	19.15	5.22E+07	1.07 Y	1.63	1.61	-1.5%	
PCB-16 22'3-TrCB	19.24	3.12E+07	1.09 Y	0.95	0.96	1.0%	
PCB-32 24'6-TrCB	19.72	5.74E+07	1.06 Y	1.79	1.77	-0.9%	
PCB-34 23'5'-TrCB	20.85	5.44E+07	1.03 Y	1.05	1.09	4.1%	
PCB-23 235-TrCB	21.00	5.48E+07	1.02 Y	1.06	1.10	3.8%	
PCB-26/29 23'5/245-TrCB	21.28	1.11E+08	1.02 Y	1.09	1.12	2.8%	
PCB-25 23'4-TrCB	21.47	5.58E+07	1.03 Y	1.07	1.12	4.0%	
PCB-31 24'5-TrCB	21.74	5.81E+07	1.03 Y	1.11	1.16	4.8%	
PCB-28/20 244'/233'-TrCB	22.02	1.10E+08	1.02 Y	1.07	1.10	2.8%	
PCB-21/33 234/23'4'-TrCB	22.20	1.14E+08	1.03 Y	1.09	1.14	4.4%	
PCB-22 234'-TrCB	22.57	5.27E+07	1.03 Y	1.02	1.06	4.0%	
PCB-36 33'5-TrCB	23.94	5.79E+07	1.03 Y	1.13	1.16	3.0%	
PCB-39 34'5-TrCB	24.25	6.03E+07	1.02 Y	1.17	1.21	3.7%	
PCB-38 345-TrCB	24.78	5.48E+07	1.03 Y	1.03	1.10	6.3%	
PCB-35 33'4-TrCB	25.16	5.32E+07	1.04 Y	1.04	1.07	2.5%	
PCB-37 344'-TrCB	25.52	5.63E+07	1.03 Y	1.10	-	-	
PCB-54 22'66'-TeCB	19.56	3.44E+07	0.82 Y	1.21	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.52	7.04E+07	0.81 Y	0.86	0.83	-3.0%	
PCB-45 22'36'-TeCB	22.09	2.84E+07	0.80 Y	0.73	0.67	-8.3%	
PCB-51 22'46'-TeCB	22.17	3.75E+07	0.81 Y	0.88	0.88	0.7%	
PCB-46 22'36'-TeCB	22.37	2.83E+07	0.80 Y	0.70	0.67	-4.0%	
PCB-52 22'55'-TeCB	23.62	3.41E+07	0.80 Y	0.84	0.80	-4.7%	
PCB-73 23'5'6'-TeCB	23.75	4.51E+07	0.80 Y	1.09	1.06	-2.3%	

Lab ID: - Ax2 Detail			Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	18-MAY-2013 15:05					
Datafile:	130519X01					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	23.84	2.93E+07	0.81 Y	0.72	0.69	-4.6%
PCB-69/49 23'46'/22'45'-TeCB	24.04	8.31E+07	0.80 Y	1.01	0.98	-3.2%
PCB-48 22'45'-TeCB	24.31	3.49E+07	0.81 Y	0.85	0.82	-3.3%
PCB-44/47/65 ...-TeCB	24.53	1.11E+08	0.81 Y	0.89	0.87	-2.2%
PCB-59/62/75 ...-TeCB	24.80	1.41E+08	0.81 Y	1.14	1.11	-2.7%
PCB-42 22'34'-TeCB	24.96	3.26E+07	0.81 Y	0.77	0.77	-0.4%
PCB-41 22'34'-TeCB	25.29	3.04E+07	0.80 Y	0.73	0.72	-1.4%
PCB-71/40 23'4'6'/22'33'-TeCB	25.38	7.02E+07	0.81 Y	0.87	0.83	-4.4%
PCB-64 234'6'-TeCB	25.58	5.04E+07	0.81 Y	1.24	1.19	-3.8%
PCB-72 23'55'-TeCB	26.30	4.92E+07	0.78 Y	1.14	1.16	1.5%
PCB-68 23'45'-TeCB	26.56	5.22E+07	0.77 Y	1.21	1.23	1.7%
PCB-57 233'5'-TeCB	26.92	4.67E+07	0.77 Y	1.11	1.10	-0.4%
PCB-58 233'5'-TeCB	27.12	4.81E+07	0.78 Y	1.10	1.14	3.2%
PCB-67 23'45'-TeCB	27.28	4.99E+07	0.77 Y	1.16	1.18	1.5%
PCB-63 234'5'-TeCB	27.50	5.30E+07	0.77 Y	1.22	1.25	2.8%
PCB-61/70/74/76 ...-TeCB	27.79	1.93E+08	0.78 Y	1.13	1.14	0.8%
PCB-66 23'44'-TeCB	28.07	4.56E+07	0.77 Y	1.08	1.08	0.1%
PCB-55 233'4'-TeCB	28.21	4.64E+07	0.78 Y	1.10	1.09	-0.3%
PCB-56 233'4'-TeCB	28.64	4.51E+07	0.78 Y	1.06	1.06	0.7%
PCB-60 2344'-TeCB	28.83	4.67E+07	0.77 Y	1.11	1.10	-0.9%
PCB-80 33'55'-TeCB	29.17	5.42E+07	0.78 Y	1.25	1.28	2.0%
PCB-79 33'45'-TeCB	30.47	5.36E+07	0.78 Y	1.23	1.27	2.5%
PCB-78 33'45'-TeCB	30.96	4.50E+07	0.77 Y	1.08	1.06	-1.8%
PCB-104 22'466'-PeCB	24.48	3.31E+07	0.65 Y	1.25	-	-
PCB-96 22'366'-PeCB	24.78	2.85E+07	0.64 Y	1.08	1.23	14.5%
PCB-103 22'45'6'-PeCB	26.47	3.38E+07	0.61 Y	0.90	0.95	5.4%
PCB-94 22'356'-PeCB	26.66	2.92E+07	0.61 Y	0.78	0.82	5.7%
PCB-95 22'35'6'-PeCB	27.03	3.13E+07	0.62 Y	0.83	0.88	6.6%
PCB-100/93 22'44'6'/22'356'-PeC	27.25	6.21E+07	0.63 Y	0.84	0.87	3.4%
PCB-102 22'456'-PeCB	27.36	3.57E+07	0.62 Y	0.90	1.00	11.5%
PCB-98 22'34'6'-PeCB	27.43	2.84E+07	0.63 Y	0.77	0.80	3.1%
PCB-88 22'346'-PeCB	27.72	2.82E+07	0.61 Y	0.79	0.79	-0.2%
PCB-91 22'34'6'-PeCB	27.78	3.46E+07	0.64 Y	0.88	0.97	10.4%
PCB-84 22'33'6'-PeCB	27.97	2.66E+07	0.62 Y	0.71	0.75	5.1%
PCB-89 22'346'-PeCB	28.39	2.85E+07	0.62 Y	0.76	0.80	5.2%
PCB-121 23'45'6'-PeCB	28.75	4.33E+07	0.62 Y	1.14	1.21	6.2%
PCB-92 22'355'-PeCB	29.06	3.04E+07	0.62 Y	0.80	0.85	6.8%
PCB-113/90/101 ...-PeCB	29.54	1.07E+08	0.62 Y	0.93	1.01	7.5%
PCB-83 22'33'5'-PeCB	29.96	2.63E+07	0.61 Y	0.71	0.74	3.7%

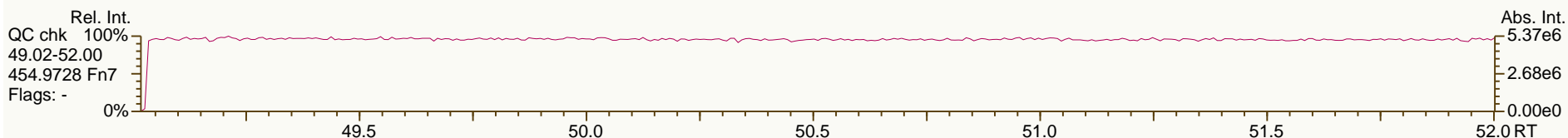
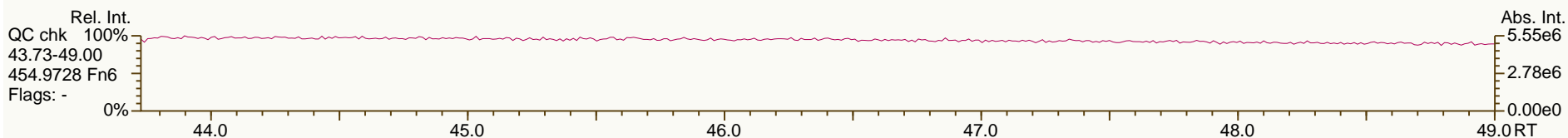
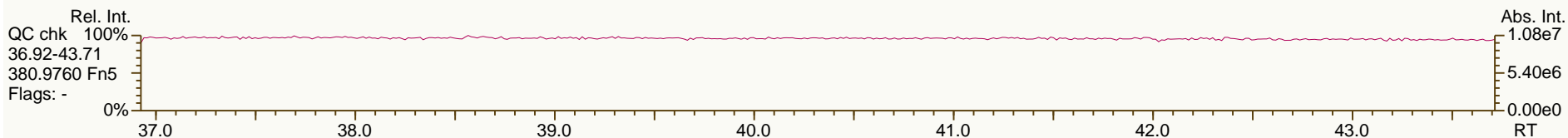
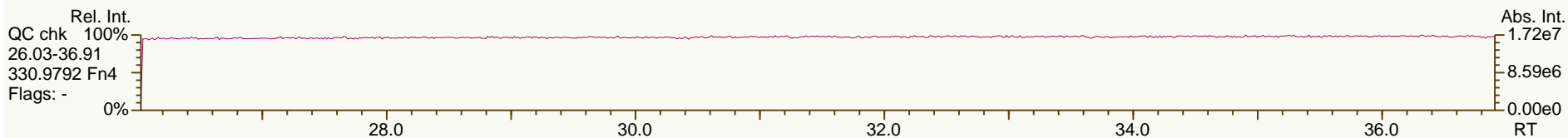
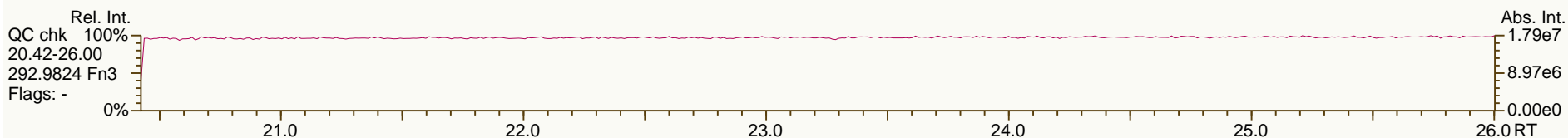
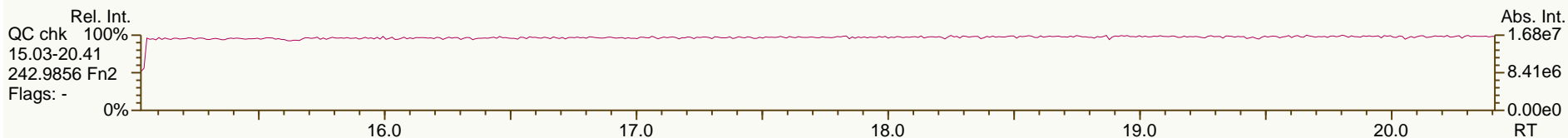
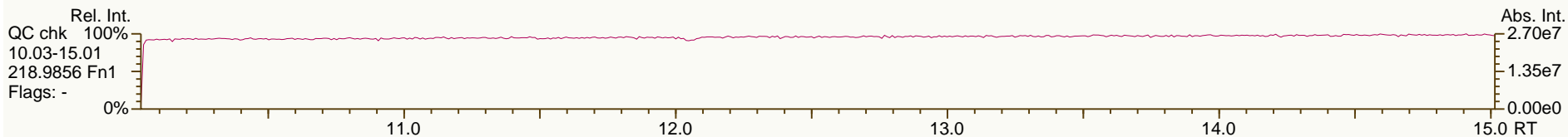
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Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	18-MAY-2013 15:05					
Datafile:	130519X01					
Name	RT	Response	RA		RRF	
PCB-99 22'44'5-PeCB	30.07	3.63E+07	0.62 Y	0.87	1.02	16.8%
PCB-112 233'56-PeCB	30.16	4.02E+07	0.62 Y	1.13	1.13	0.3%
PCB-108/119/86/97/125...-PeCB	30.51	2.17E+08	0.62 Y	0.95	1.02	7.2%
PCB-117 234'56-PeCB	31.04	4.20E+07	0.62 Y	1.04	1.18	13.4%
PCB-116/85 23456/22'344'-PeCl	31.12	6.87E+07	0.62 Y	0.97	0.96	-0.9%
PCB-110 233'4'6-PeCB	31.24	4.29E+07	0.61 Y	1.02	1.20	17.7%
PCB-115 2344'6-PeCB	31.33	4.08E+07	0.62 Y	1.16	1.14	-1.1%
PCB-82 22'33'4-PeCB	31.51	2.61E+07	0.61 Y	0.69	0.73	6.1%
PCB-111 233'55'-PeCB	31.85	4.47E+07	0.62 Y	1.15	1.25	8.6%
PCB-120 23'455'-PeCB	32.24	4.45E+07	0.62 Y	1.16	1.25	7.6%
PCB-107/124 ...-PeCB	33.20	8.22E+07	0.62 Y	1.07	1.15	7.4%
PCB-109 233'46-PeCB	33.40	4.55E+07	0.62 Y	1.14	1.28	11.7%
PCB-106 233'45-PeCB	33.62	4.00E+07	0.62 Y	1.07	1.12	4.9%
PCB-122 233'4'5'-PeCB	34.07	3.84E+07	0.62 Y	1.00	1.06	6.0%
PCB-127 33'455'-PeCB	36.02	4.25E+07	0.62 Y	1.10	1.18	7.0%
PCB-155 22'44'66'-HxCB	29.40	4.05E+07	1.28 Y	1.09	-	-
PCB-152 22'3566'-HxCB	29.54	3.75E+07	1.26 Y	1.01	1.14	12.6%
PCB-150 22'34'66'-HxCB	29.69	3.82E+07	1.28 Y	1.00	1.16	15.4%
PCB-136 22'33'66'-HxCB	29.98	3.54E+07	1.29 Y	0.95	1.08	12.9%
PCB-145 22'3466'-HxCB	30.26	3.62E+07	1.27 Y	0.96	1.10	14.3%
PCB-148 22'34'56'-HxCB	31.54	2.79E+07	1.28 Y	0.97	1.09	12.9%
PCB-151/135 ...-HxCB	32.05	5.40E+07	1.28 Y	0.96	1.06	9.9%
PCB-154 22'44'56'-HxCB	32.27	3.11E+07	1.27 Y	1.09	1.22	11.8%
PCB-144 22'345'6-HxCB	32.52	2.77E+07	1.28 Y	0.98	1.08	10.4%
PCB-147/149 ...-HxCB	32.82	5.56E+07	1.27 Y	0.99	1.09	10.6%
PCB-134 22'33'56-HxCB	32.99	2.25E+07	1.27 Y	0.80	0.88	10.1%
PCB-143 22'3456'-HxCB	33.07	2.65E+07	1.30 Y	0.95	1.04	8.6%
PCB-139/140 ...-HxCB	33.34	5.67E+07	1.27 Y	1.00	1.11	11.1%
PCB-131 22'33'46-HxCB	33.50	2.45E+07	1.26 Y	0.85	0.96	13.1%
PCB-142 22'3456-HxCB	33.64	2.39E+07	1.28 Y	0.87	0.94	7.1%
PCB-132 22'33'46'-HxCB	33.88	2.52E+07	1.26 Y	0.89	0.99	10.8%
PCB-133 22'33'55'-HxCB	34.30	2.65E+07	1.28 Y	0.91	1.04	13.4%
PCB-165 233'55'6-HxCB	34.64	3.26E+07	1.28 Y	1.13	1.28	12.8%
PCB-146 22'34'55'-HxCB	34.85	2.86E+07	1.29 Y	1.01	1.12	11.4%
PCB-161 233'45'6-HxCB	34.97	3.65E+07	1.28 Y	1.25	1.43	14.1%
PCB-153/168 ...-HxCB	35.40	6.88E+07	1.27 Y	1.22	1.35	10.5%
PCB-141 22'3455'-HxCB	35.53	2.68E+07	1.28 Y	0.93	1.05	13.1%
PCB-130 22'33'45'-HxCB	35.87	2.39E+07	1.29 Y	0.85	0.93	10.3%
PCB-137 22'344'5-HxCB	36.07	2.71E+07	1.28 Y	1.04	1.06	1.8%
PCB-164 233'4'5'6-HxCB	36.15	3.71E+07	1.29 Y	1.22	1.45	18.7%
PCB-163/138/129 ...-HxCB	36.44	8.63E+07	1.28 Y	1.02	1.13	10.1%

Lab ID: - Ax2 Detail				Processed: 21-May-2013 14:46			
Lab ID:	CS3_130519_PCB_XA	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	18-MAY-2013 15:05						
Datafile:	130519X01						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	36.57	3.43E+07	1.28 Y	1.21	1.34		11.3%
PCB-158 233'44'6'-HxCB	36.76	3.77E+07	1.29 Y	1.34	1.48		10.6%
PCB-128/166 ...-HxCB	37.49	6.24E+07	1.17 Y	0.90	0.87		-2.8%
PCB-159 233'455'-HxCB	38.31	3.72E+07	1.17 Y	1.06	1.04		-2.2%
PCB-162 233'4'55'-HxCB	38.55	3.74E+07	1.17 Y	1.08	1.05		-2.8%
PCB-188 22'34'566'-HpCB	34.25	2.31E+07	1.09 Y	1.03	-		-
PCB-179 22'33'566'-HpCB	34.52	2.12E+07	1.09 Y	0.97	1.10		13.6%
PCB-184 22'344'66'-HpCB	34.99	2.09E+07	1.09 Y	0.93	1.08		16.2%
PCB-176 22'33'466'-HpCB	35.27	2.32E+07	1.09 Y	1.05	1.20		14.8%
PCB-186 22'34566'-HpCB	35.67	2.18E+07	1.08 Y	0.98	1.13		15.1%
PCB-178 22'33'55'6'-HpCB	36.81	1.59E+07	1.08 Y	0.74	0.82		12.1%
PCB-175 22'33'45'6'-HpCB	37.35	2.73E+07	1.06 Y	1.01	1.10		9.3%
PCB-187 22'34'55'6'-HpCB	37.58	2.87E+07	1.04 Y	1.06	1.16		9.0%
PCB-182 22'344'56'-HpCB	37.76	2.93E+07	1.06 Y	1.11	1.18		6.4%
PCB-183 22'344'5'6'-HpCB	38.10	3.18E+07	1.04 Y	1.13	1.28		13.2%
PCB-185 22'3455'6'-HpCB	38.18	2.57E+07	1.08 Y	1.02	1.04		1.6%
PCB-174 22'33'456'-HpCB	38.29	2.40E+07	1.07 Y	0.93	0.97		4.6%
PCB-177 22'33'45'6'-HpCB	38.66	2.40E+07	1.05 Y	0.91	0.97		6.9%
PCB-181 22'344'56'-HpCB	39.01	2.74E+07	1.06 Y	1.06	1.10		4.0%
PCB-171/173 ...-HpCB	39.18	4.85E+07	1.05 Y	0.93	0.98		5.3%
PCB-172 22'33'455'-HpCB	40.54	2.51E+07	1.06 Y	0.95	1.01		6.1%
PCB-192 233'455'6'-HpCB	40.79	3.24E+07	1.05 Y	1.24	1.31		5.4%
PCB-180/193 ...-HpCB	41.06	6.17E+07	1.06 Y	1.16	1.24		7.4%
PCB-191 233'44'5'6'-HpCB	41.39	3.41E+07	1.06 Y	1.30	1.37		5.5%
PCB-170 22'33'44'5'-HpCB	42.15	2.44E+07	1.05 Y	1.07	1.14		5.8%
PCB-190 233'44'56'-HpCB	42.60	3.32E+07	1.05 Y	1.45	1.54		6.2%
PCB-202 22'33'55'66'-OcCB	38.77	2.15E+07	0.93 Y	0.91	-		-
PCB-201 22'33'45'66'-OcCB	39.55	2.40E+07	0.91 Y	1.02	1.14		11.3%
PCB-204 22'344'566'-OcCB	40.13	2.26E+07	0.93 Y	0.98	1.07		9.2%
PCB-197 22'33'44'66'-OcCB	40.32	2.37E+07	0.92 Y	1.06	1.12		5.1%
PCB-200 22'33'4566'-OcCB	40.40	2.37E+07	0.93 Y	0.96	1.12		16.4%
PCB-198/199 ...-OcCB	42.73	3.29E+07	0.92 Y	0.72	0.78		8.6%
PCB-196 22'33'44'56'-OcCB	43.30	1.71E+07	0.92 Y	0.73	0.81		10.7%
PCB-203 22'344'55'6'-OcCB	43.47	1.77E+07	0.92 Y	0.76	0.84		9.6%
PCB-195 22'33'44'56'-OcCB	44.58	1.94E+07	0.92 Y	0.80	0.77		-3.9%
PCB-194 22'33'44'55'-OcCB	46.52	2.03E+07	0.94 Y	0.87	0.80		-8.2%
PCB-205 233'44'55'6'-OcCB	46.92	2.51E+07	0.94 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	44.38	2.70E+07	0.77 Y	1.02	-		-
PCB-207 22'33'44'566'-NoCB	45.17	2.75E+07	0.77 Y	1.06	1.04		-1.5%
PCB-206 22'33'44'55'6'-NoCB	48.38	1.76E+07	0.77 Y	0.98	-		-

SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

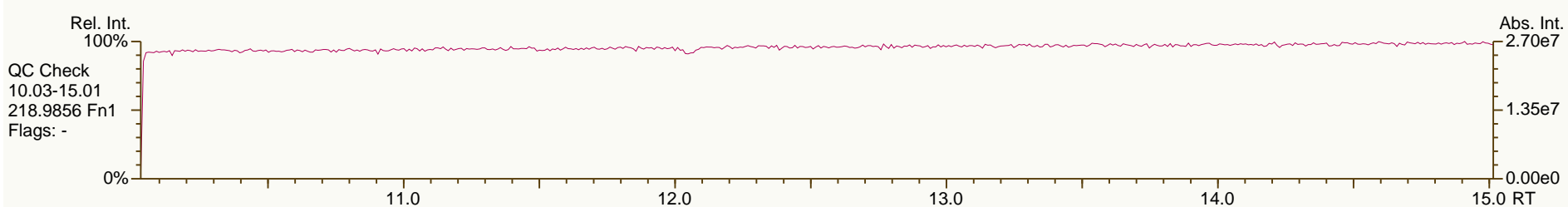
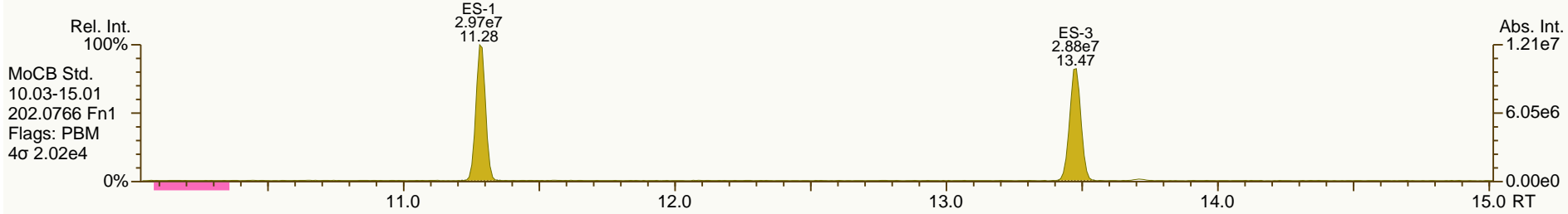
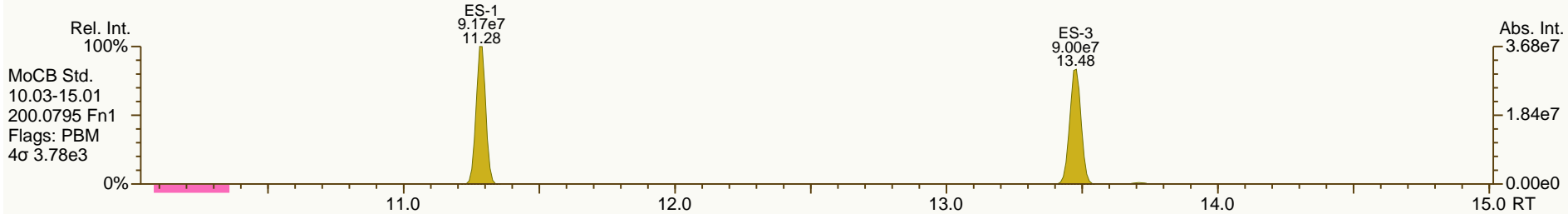
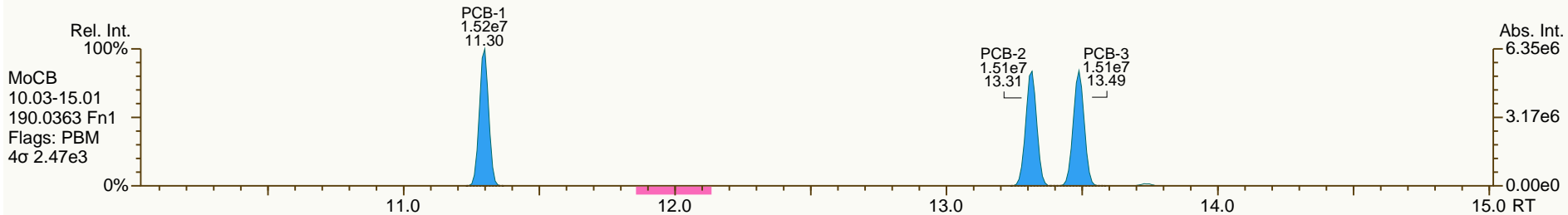
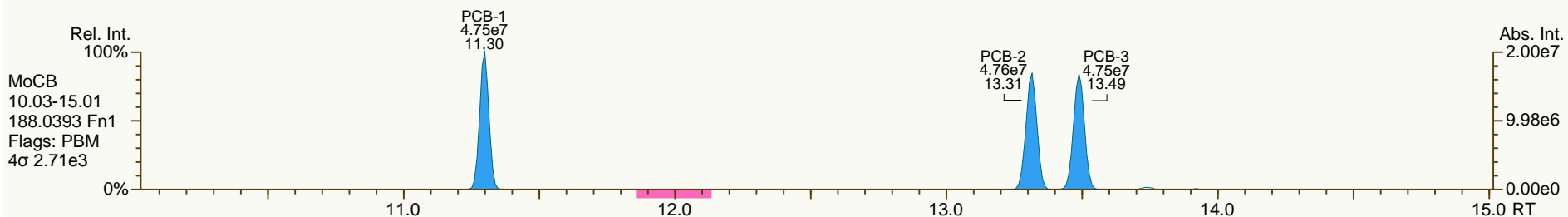
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

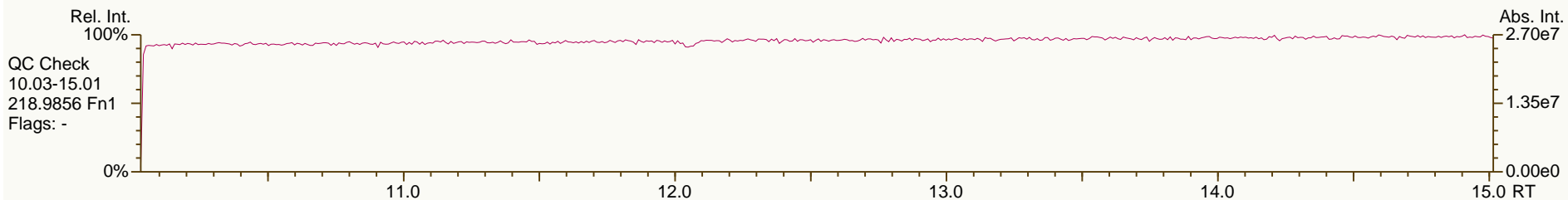
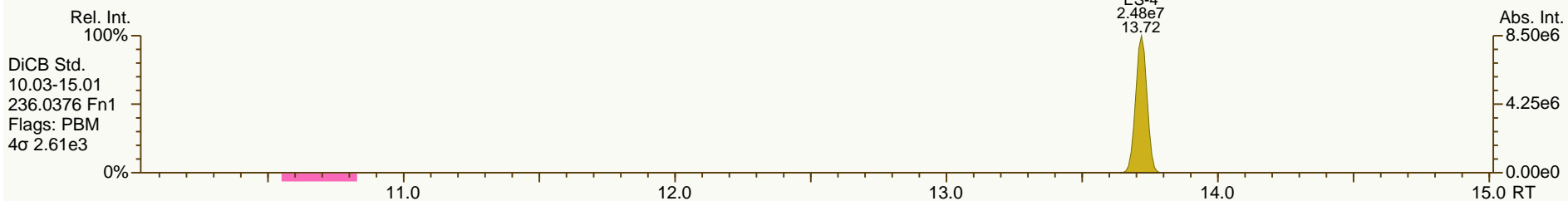
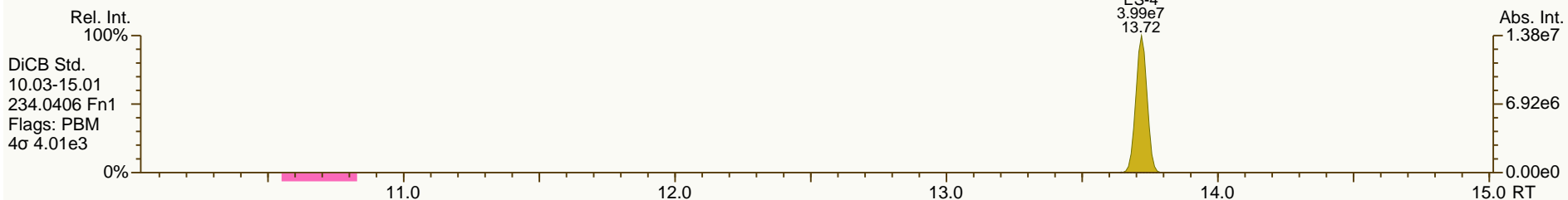
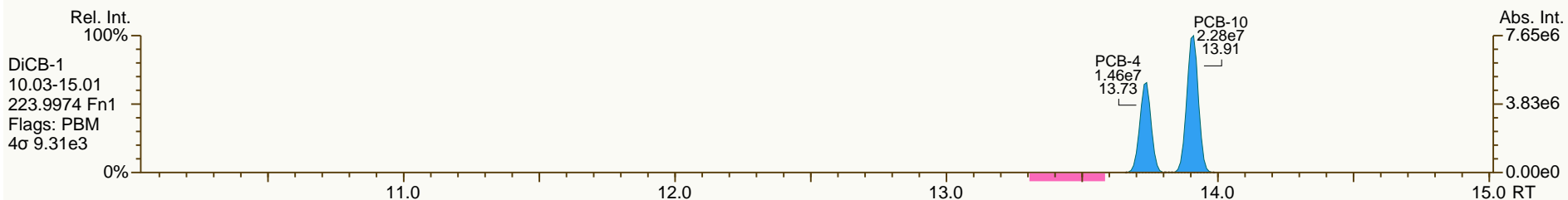
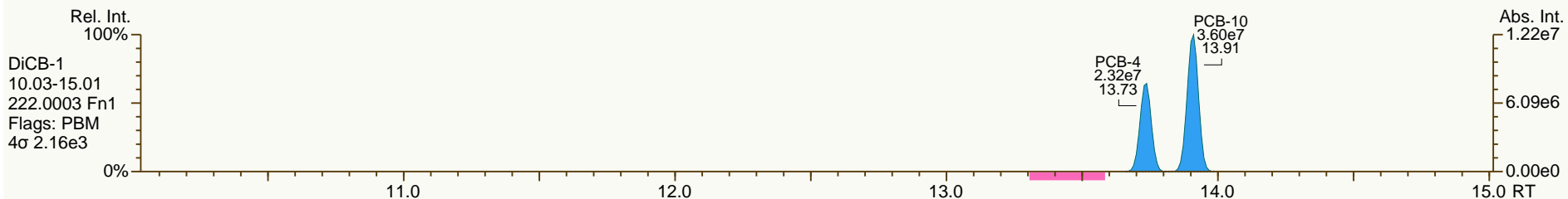
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

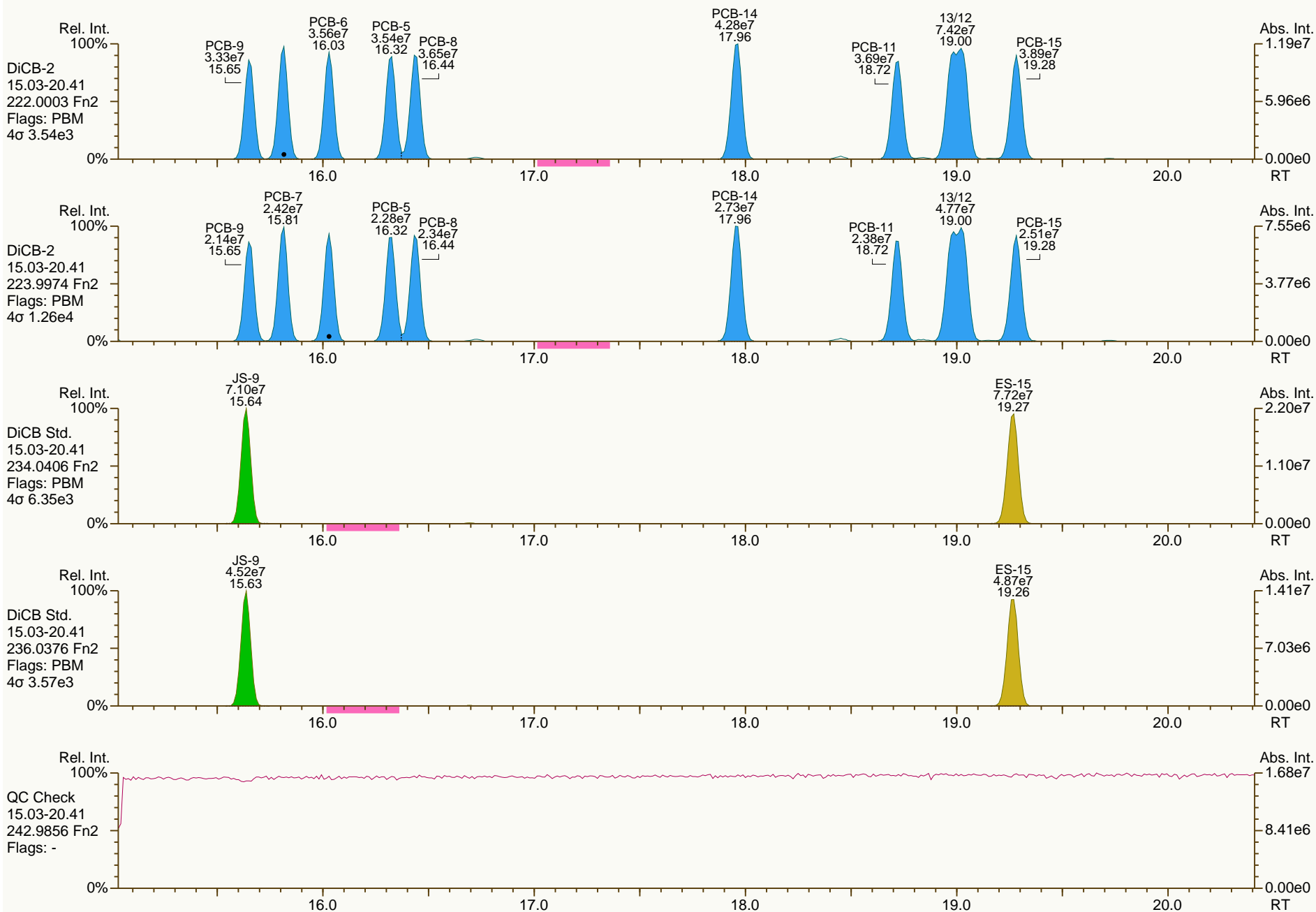
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

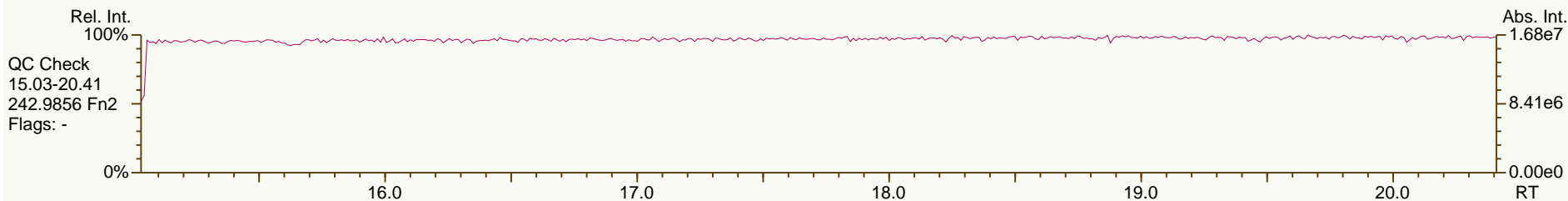
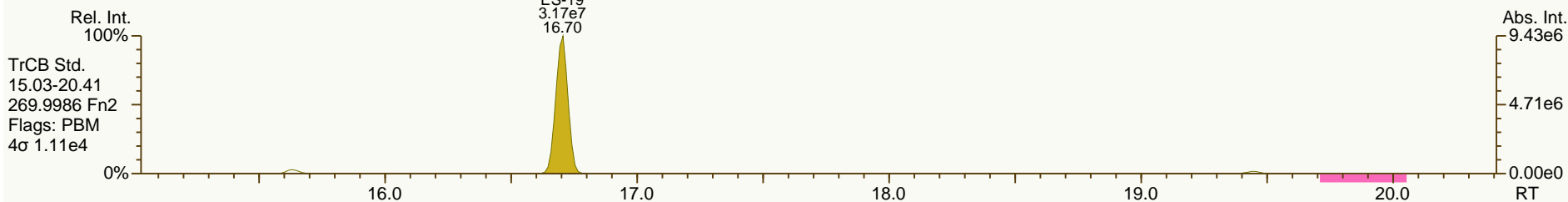
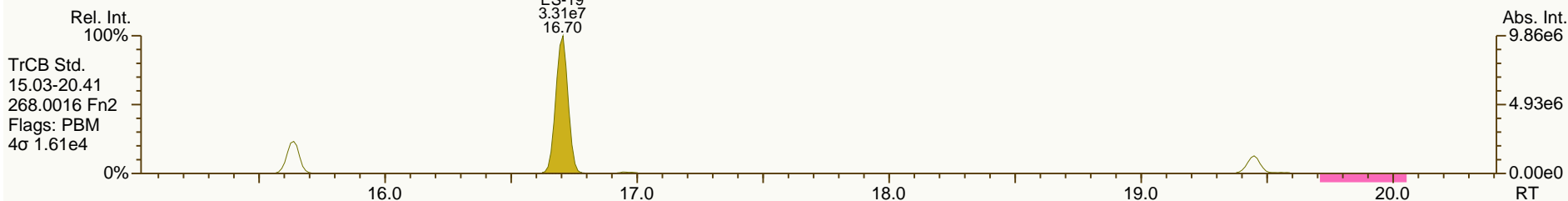
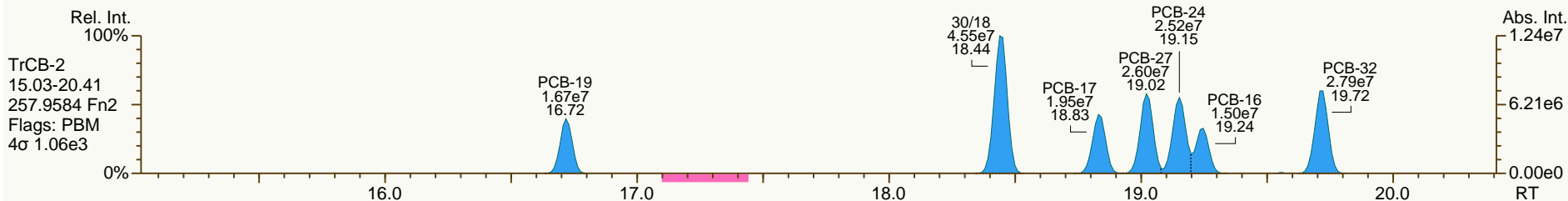
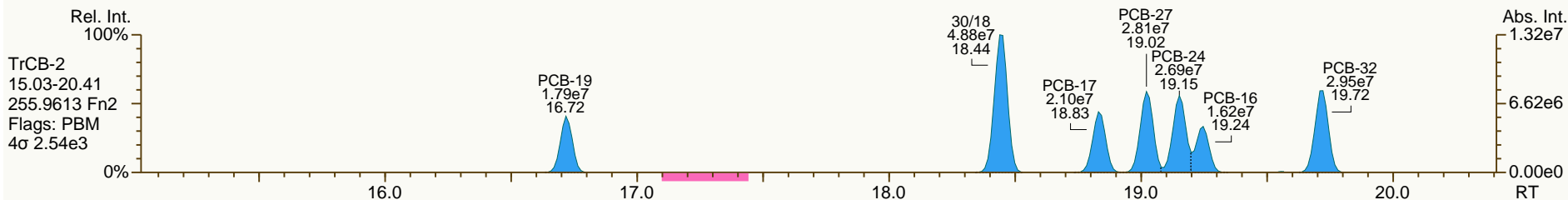
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SGS-AP ID: CS3_130519_PCB_XA
Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

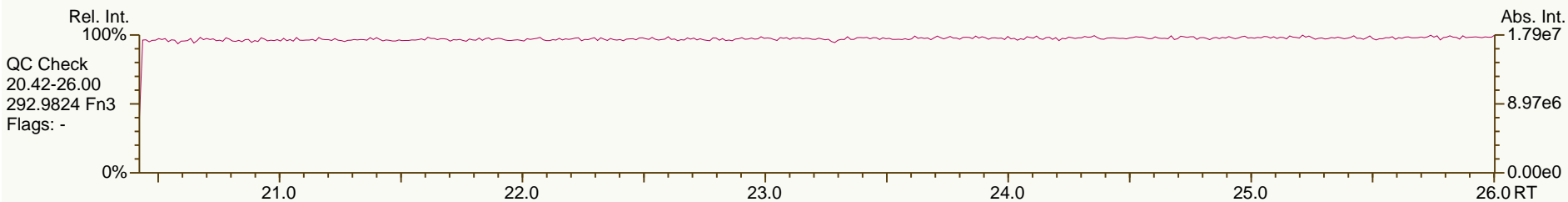
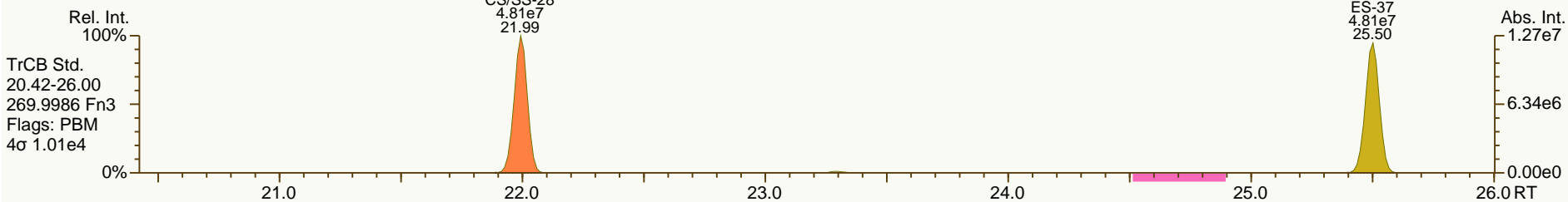
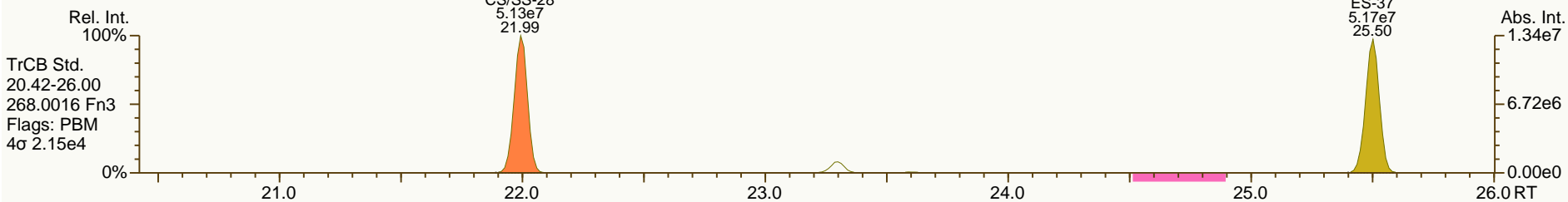
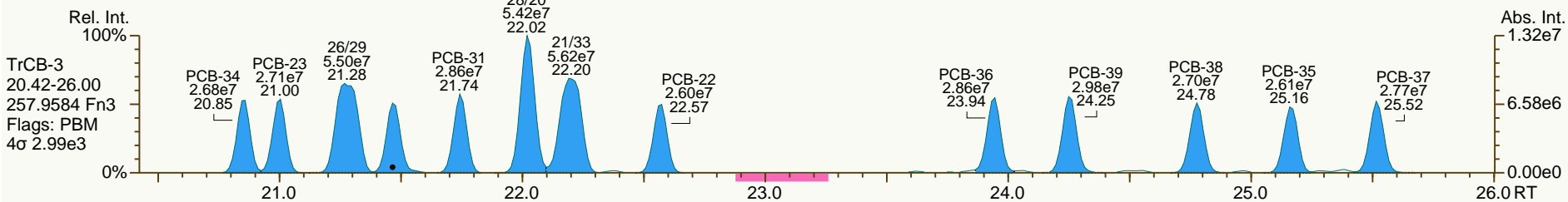
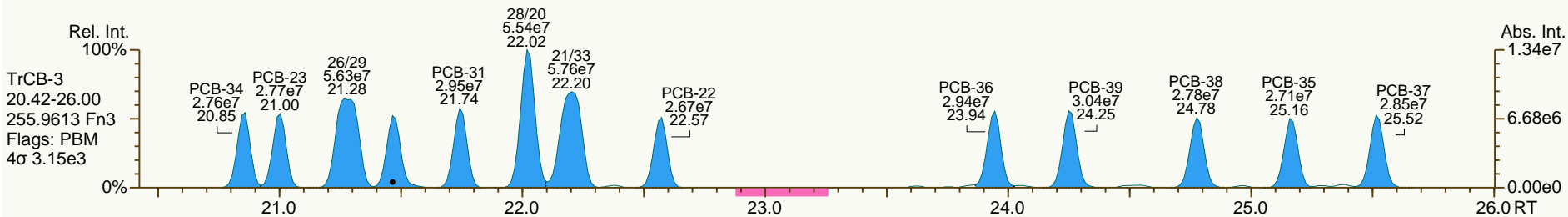
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SGS-AP ID: CS3_130519_PCB_XA
Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

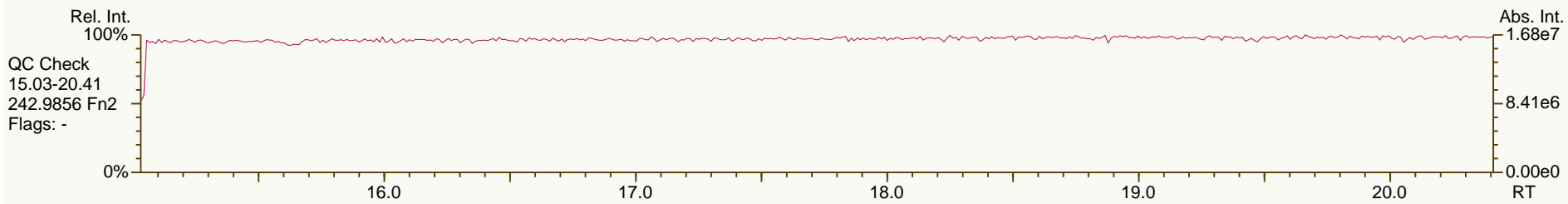
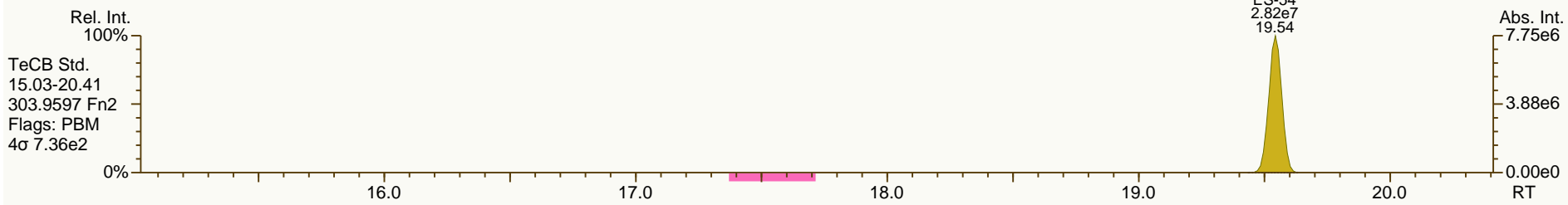
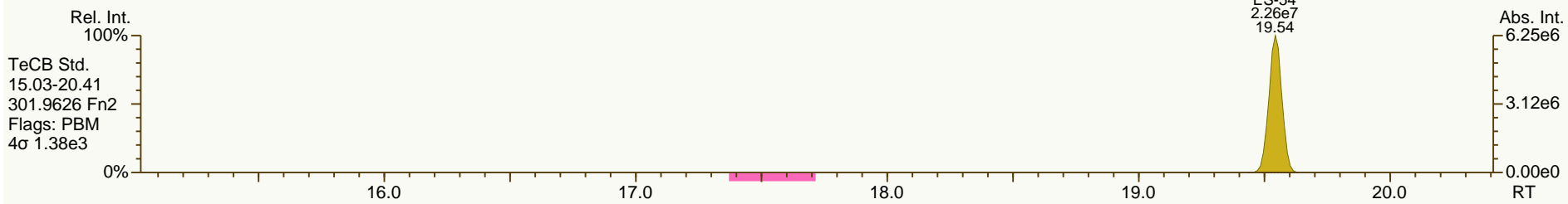
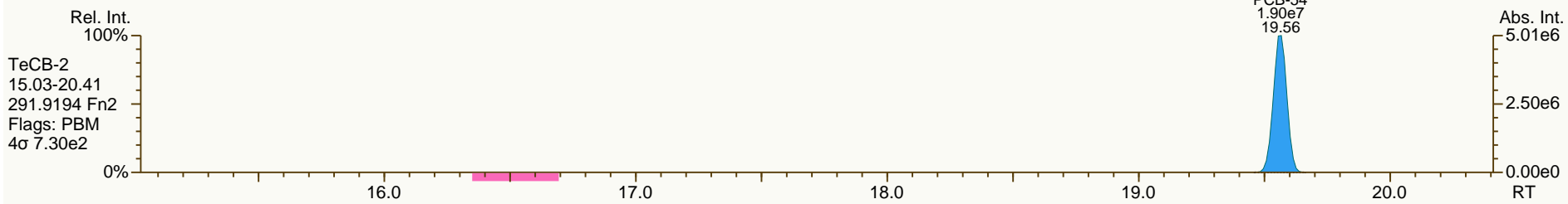
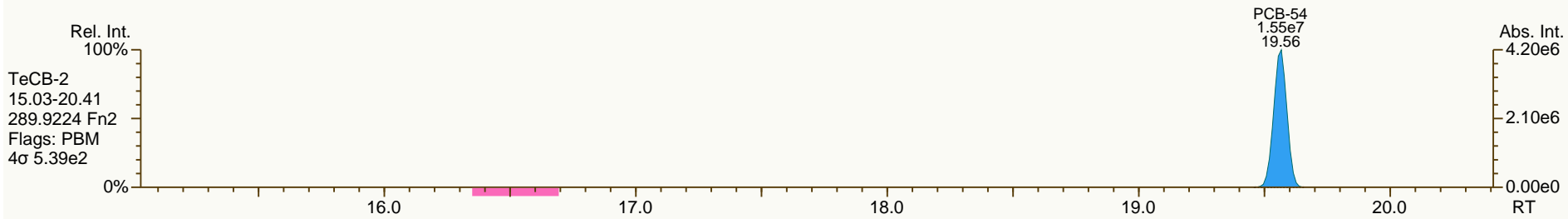
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

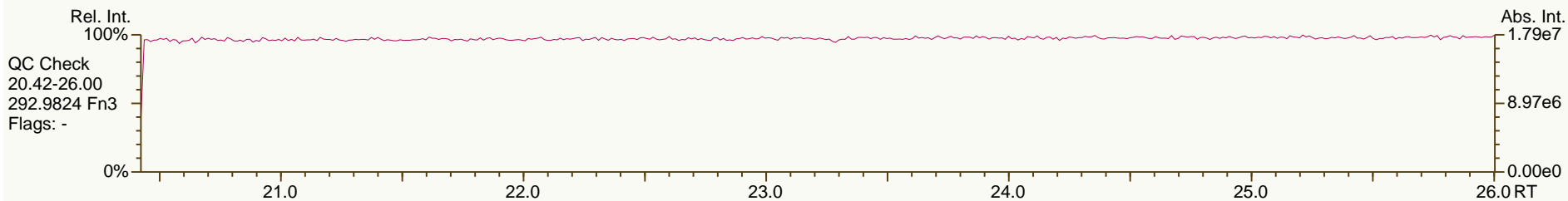
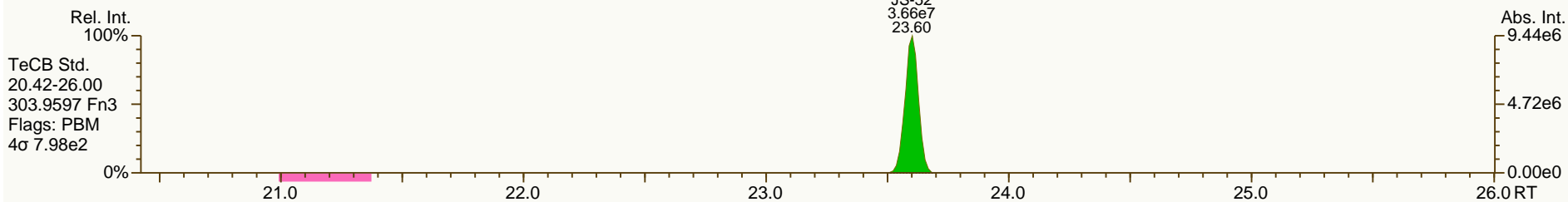
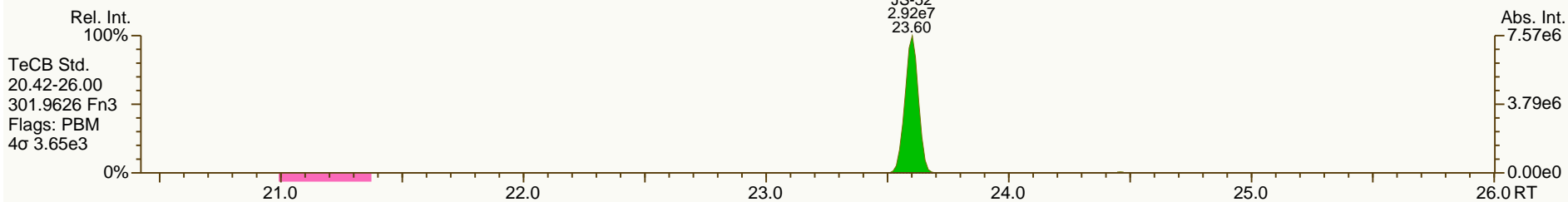
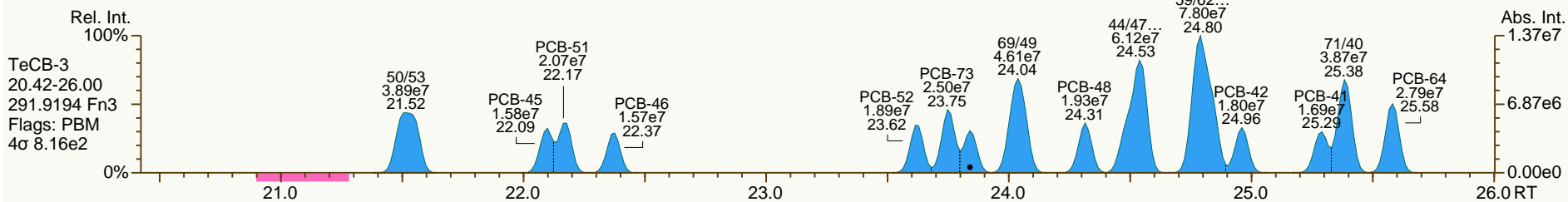
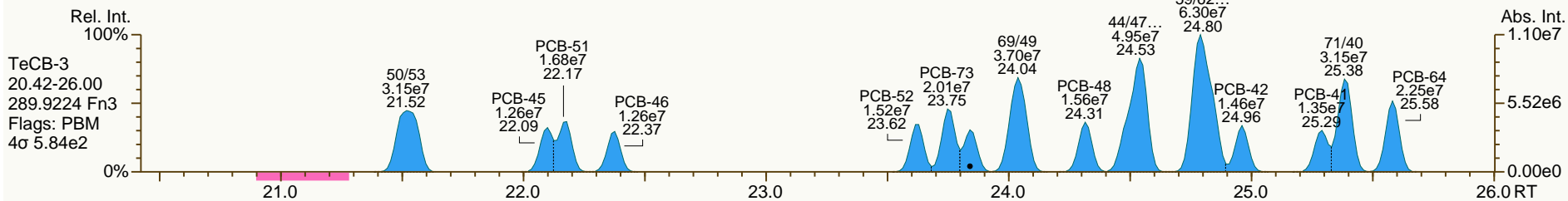
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 User: LKB Datafile: 130519X01



SGS-AP ID: CS3_130519_PCB_XA
Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

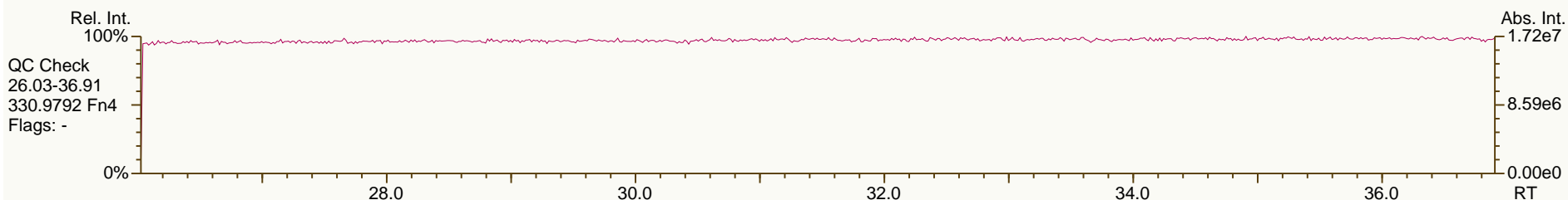
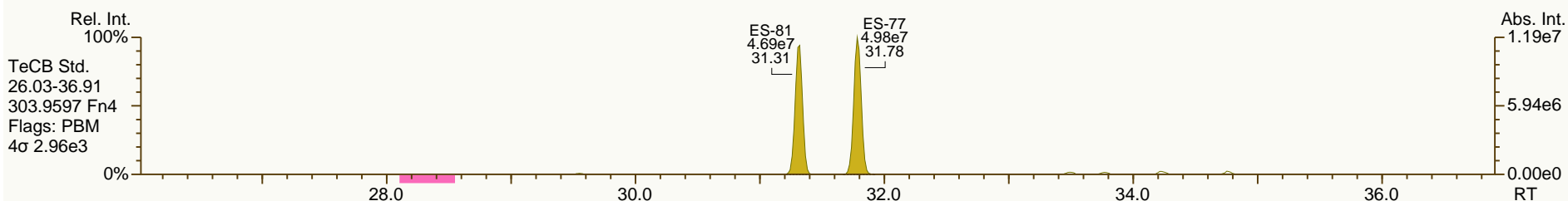
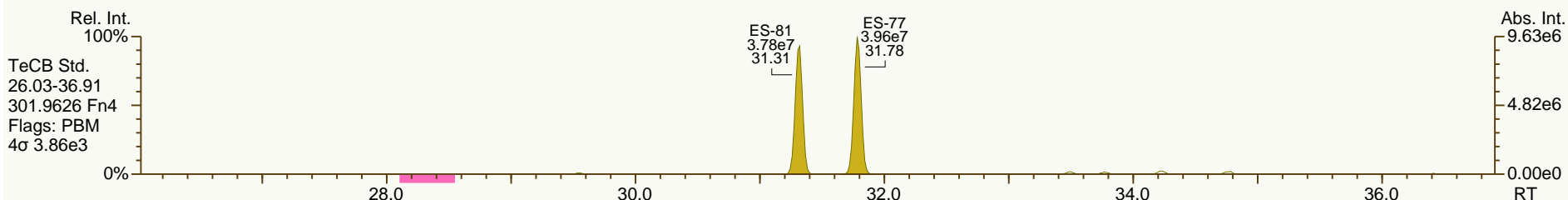
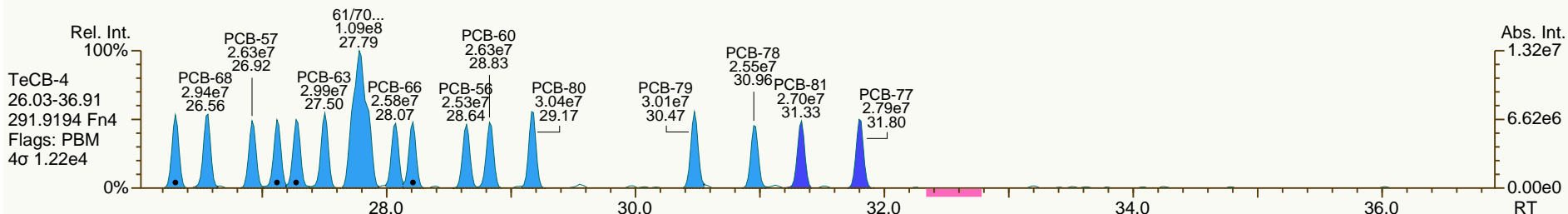
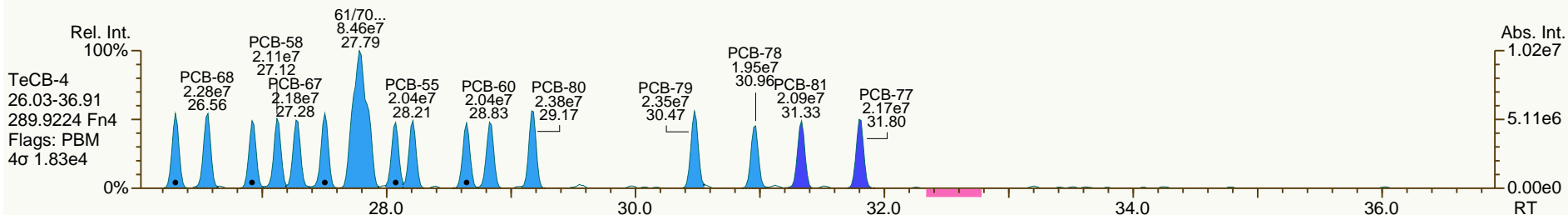
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

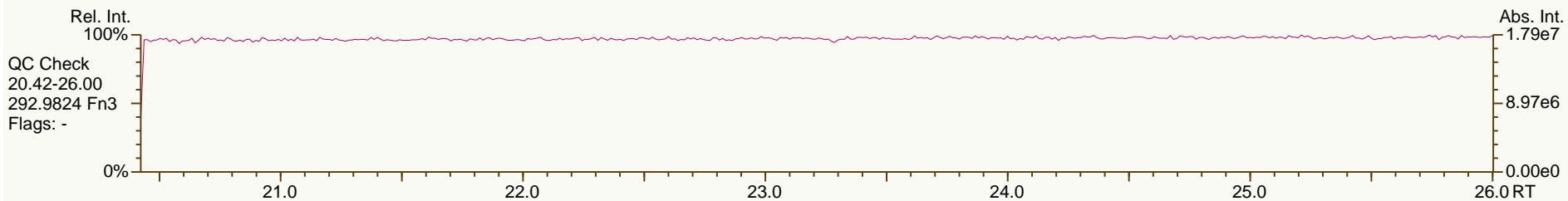
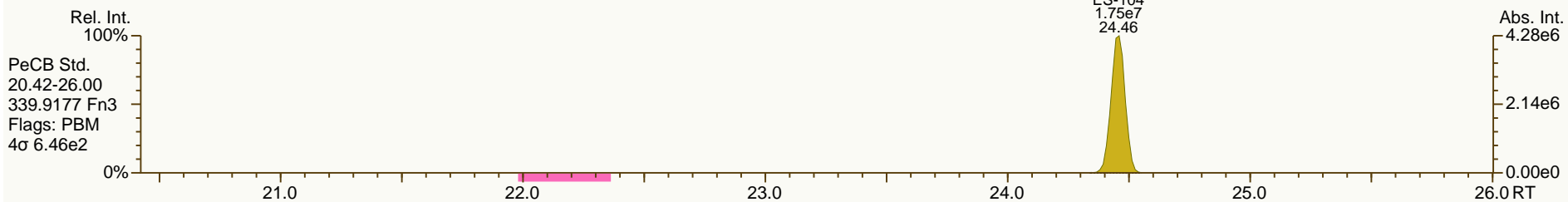
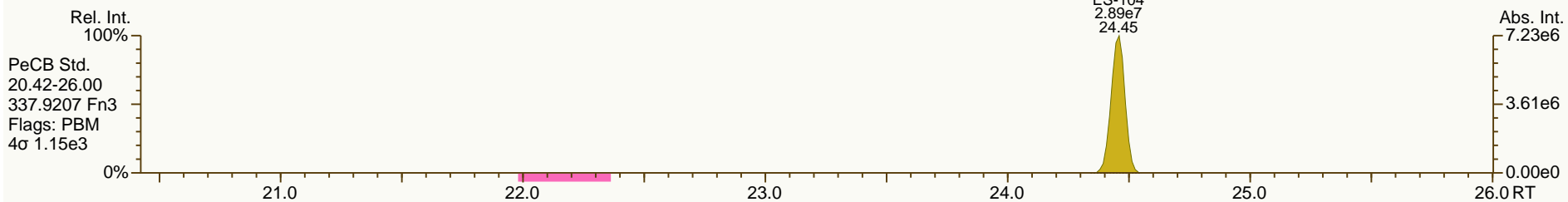
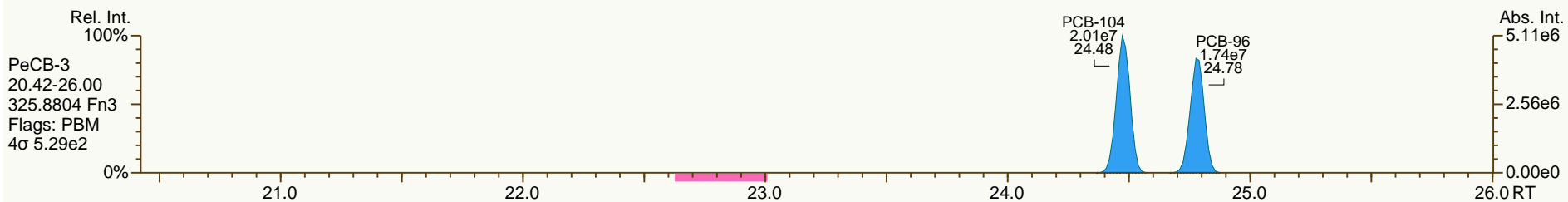
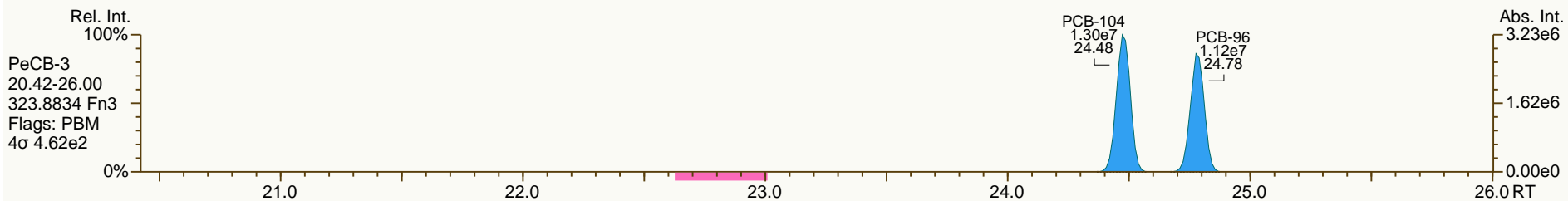
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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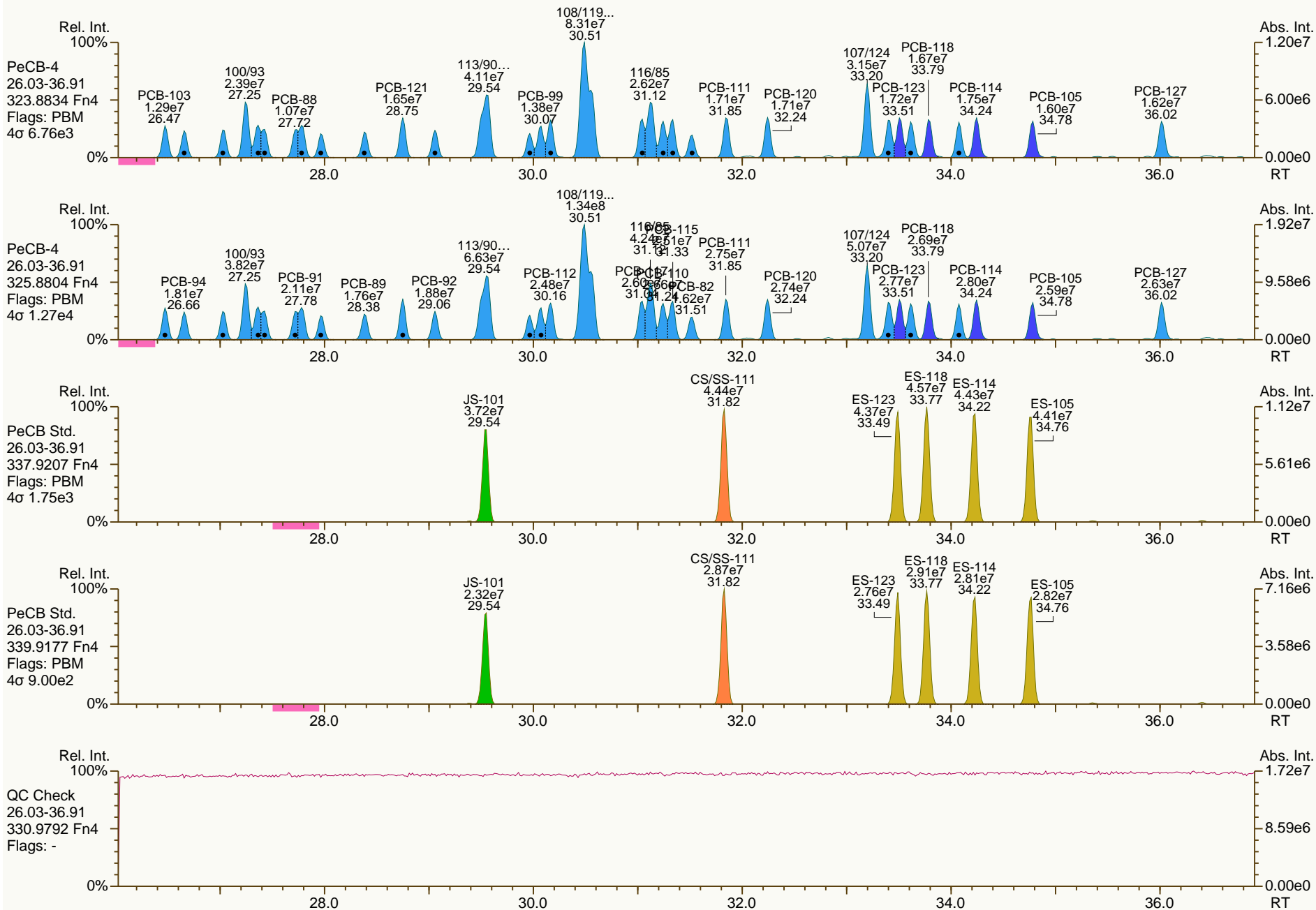
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SGS-AP ID: CS3_130519_PCB_XA
Instr: AutoSpec-Premier MM7

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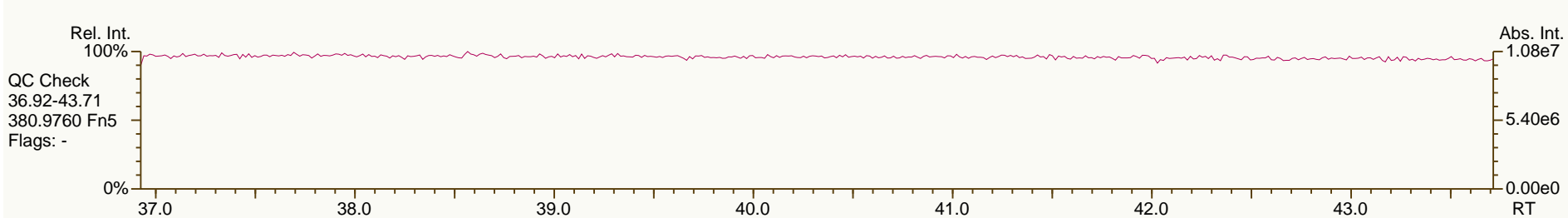
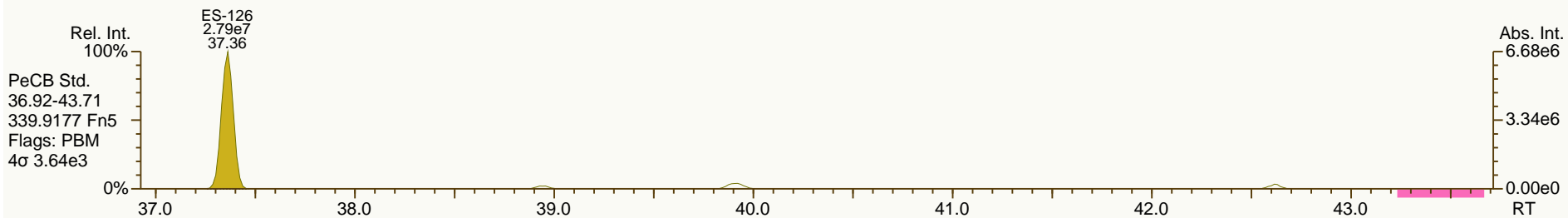
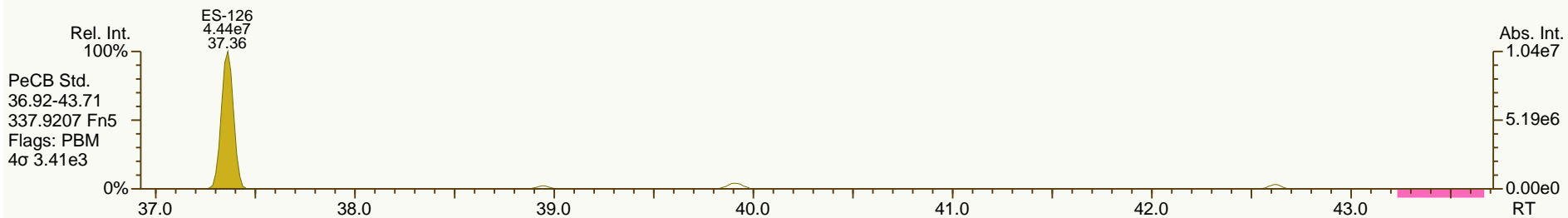
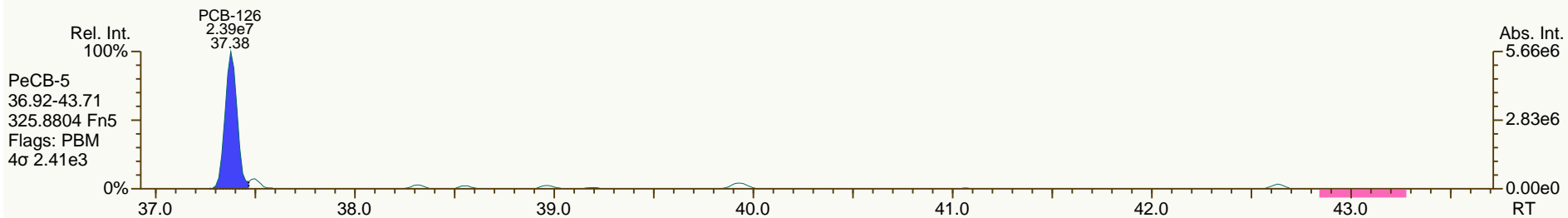
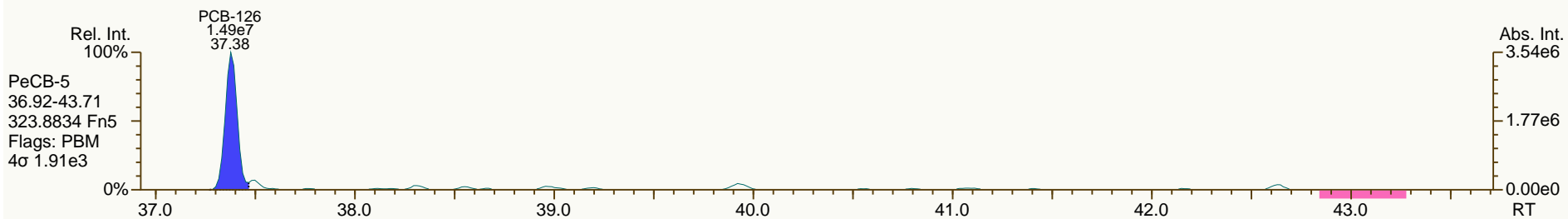
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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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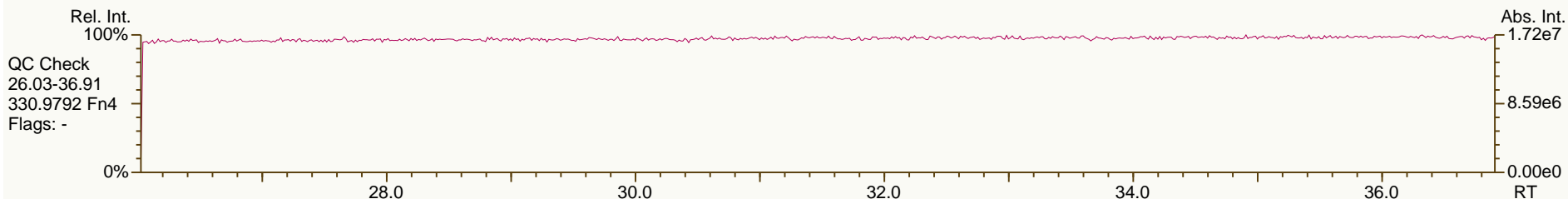
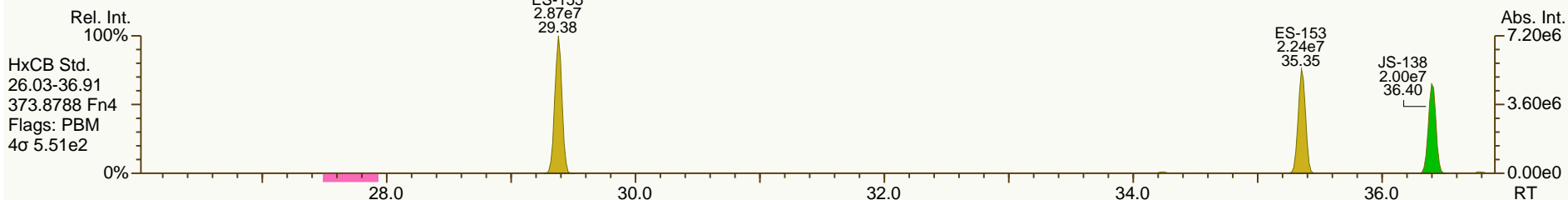
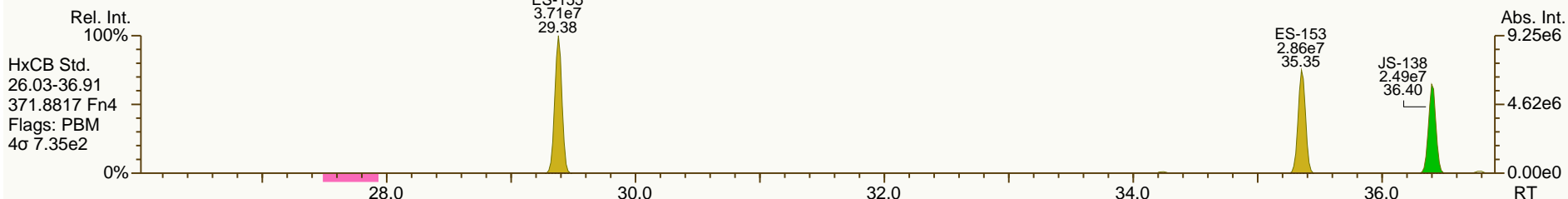
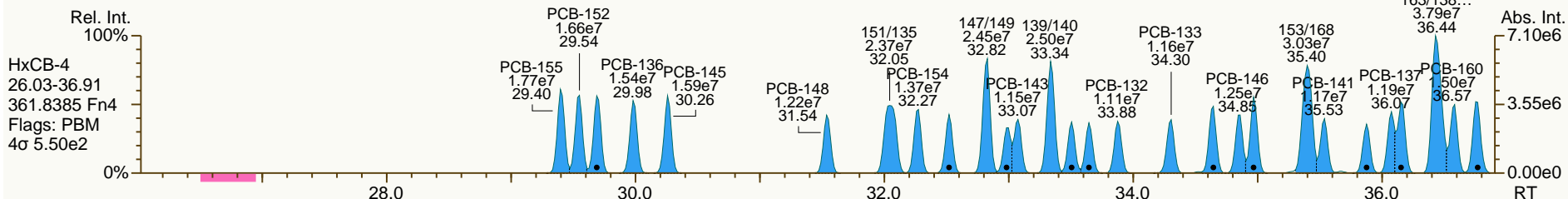
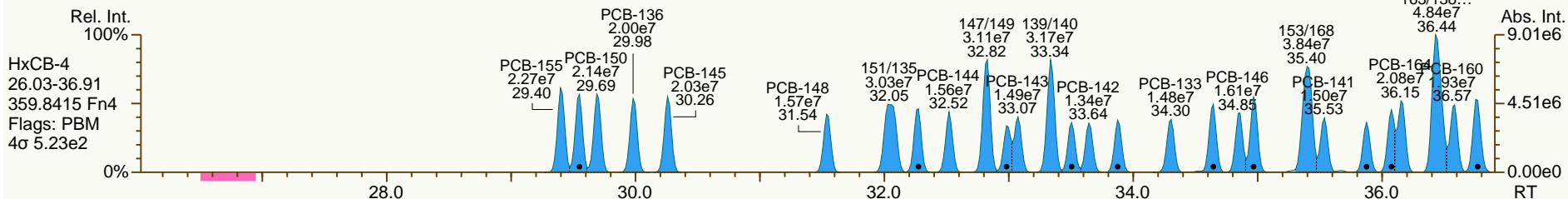
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SGS-AP ID: CS3_130519_PCB_XA
Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

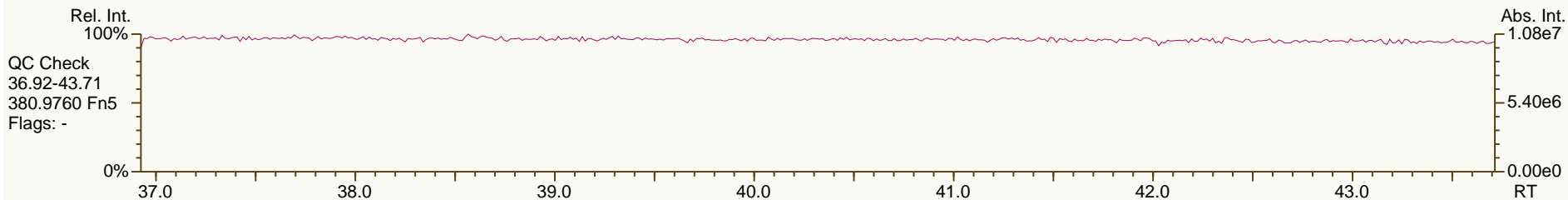
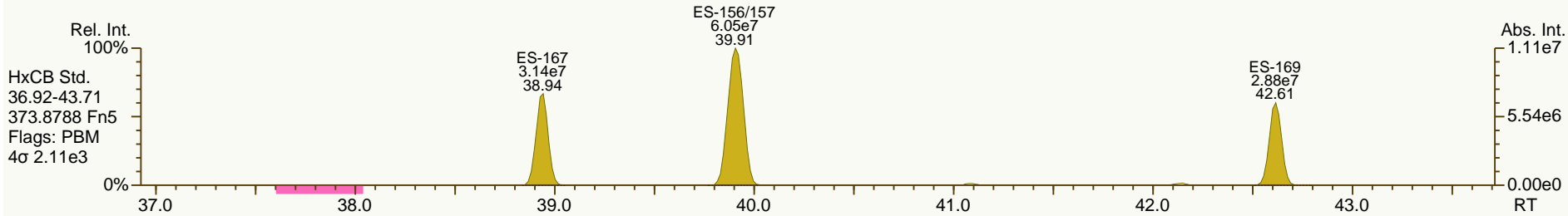
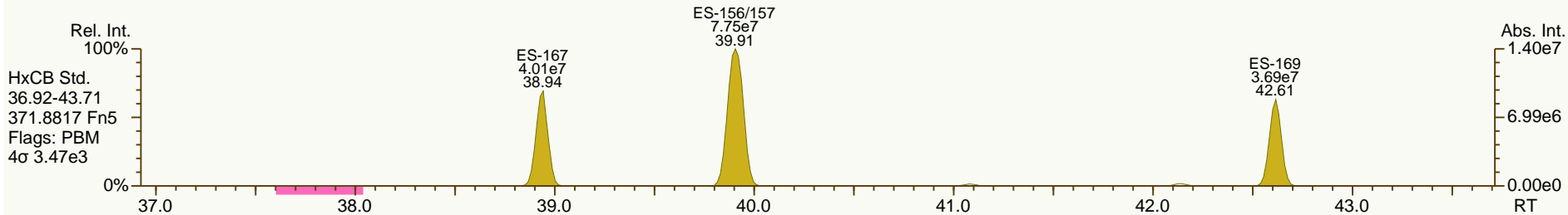
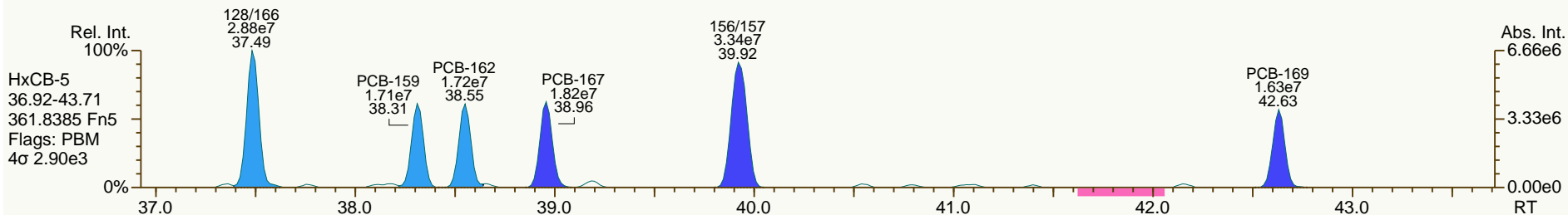
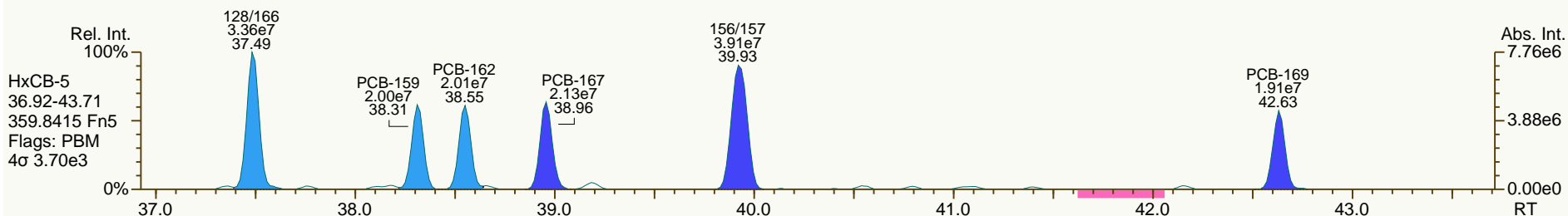
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
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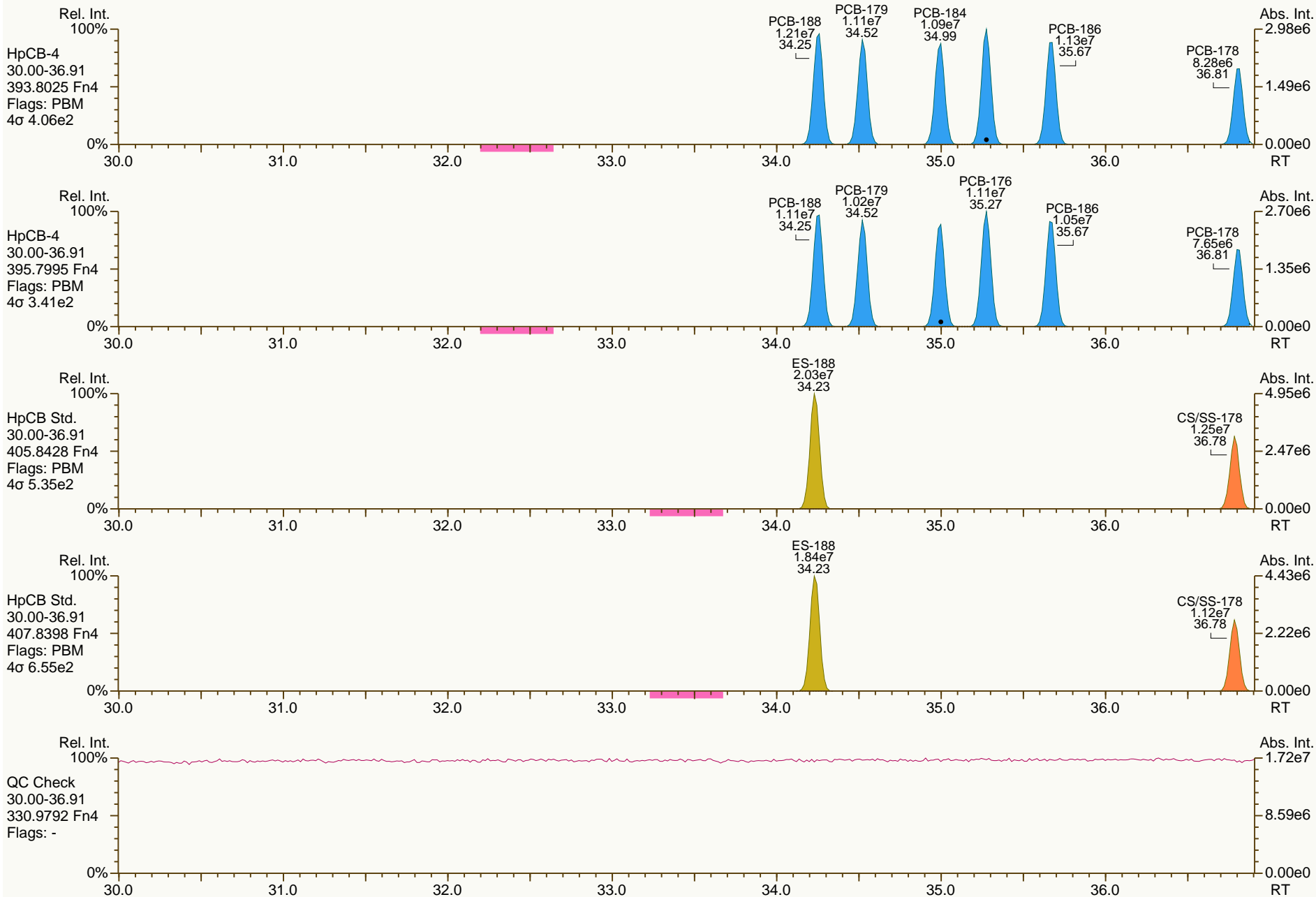
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SGS-AP ID: CS3_130519_PCB_XA
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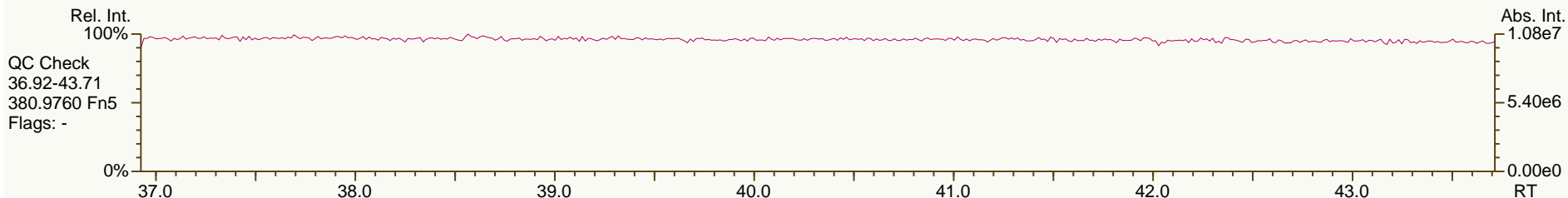
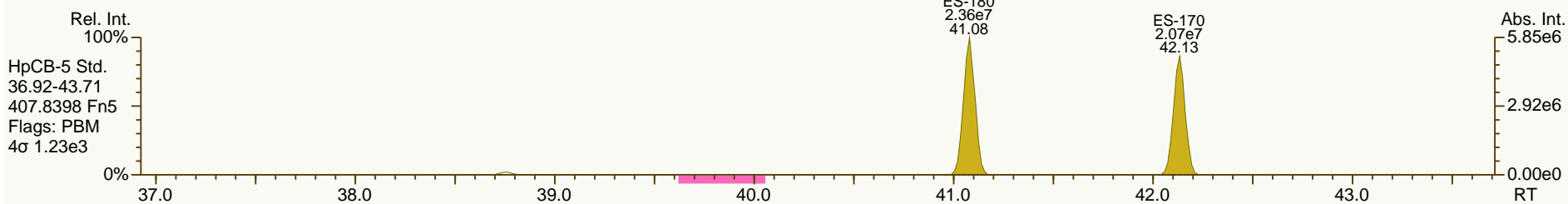
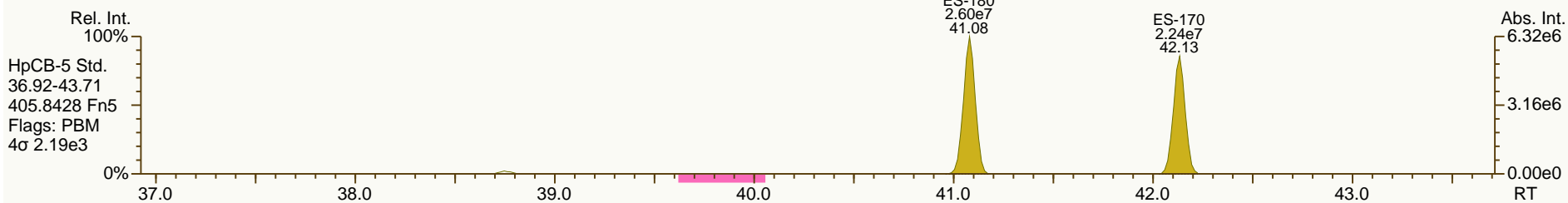
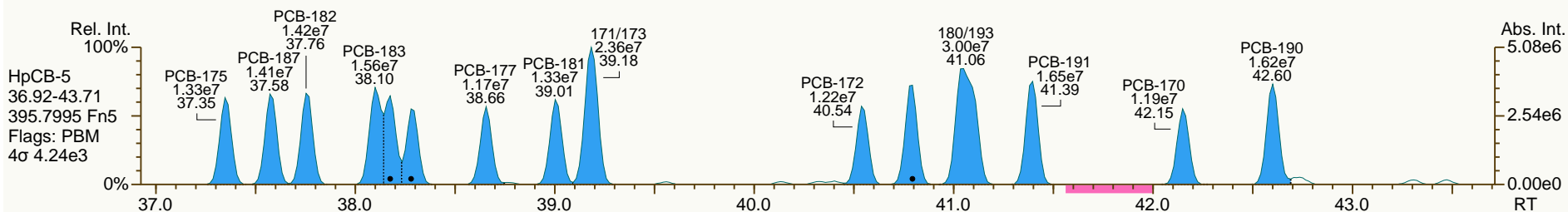
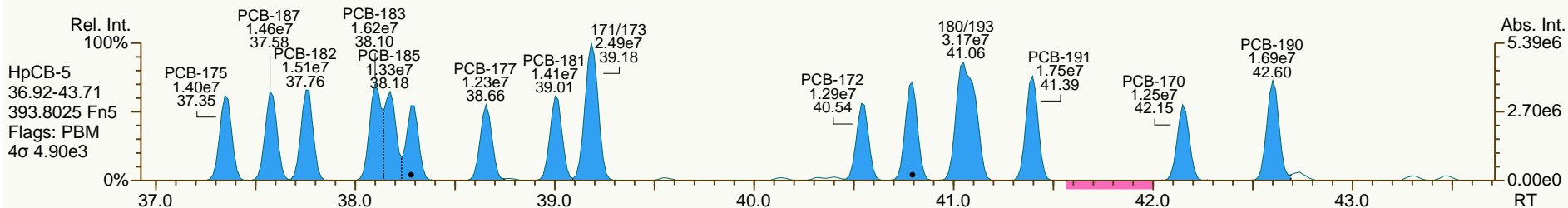
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SGS-AP ID: CS3_130519_PCB_XA
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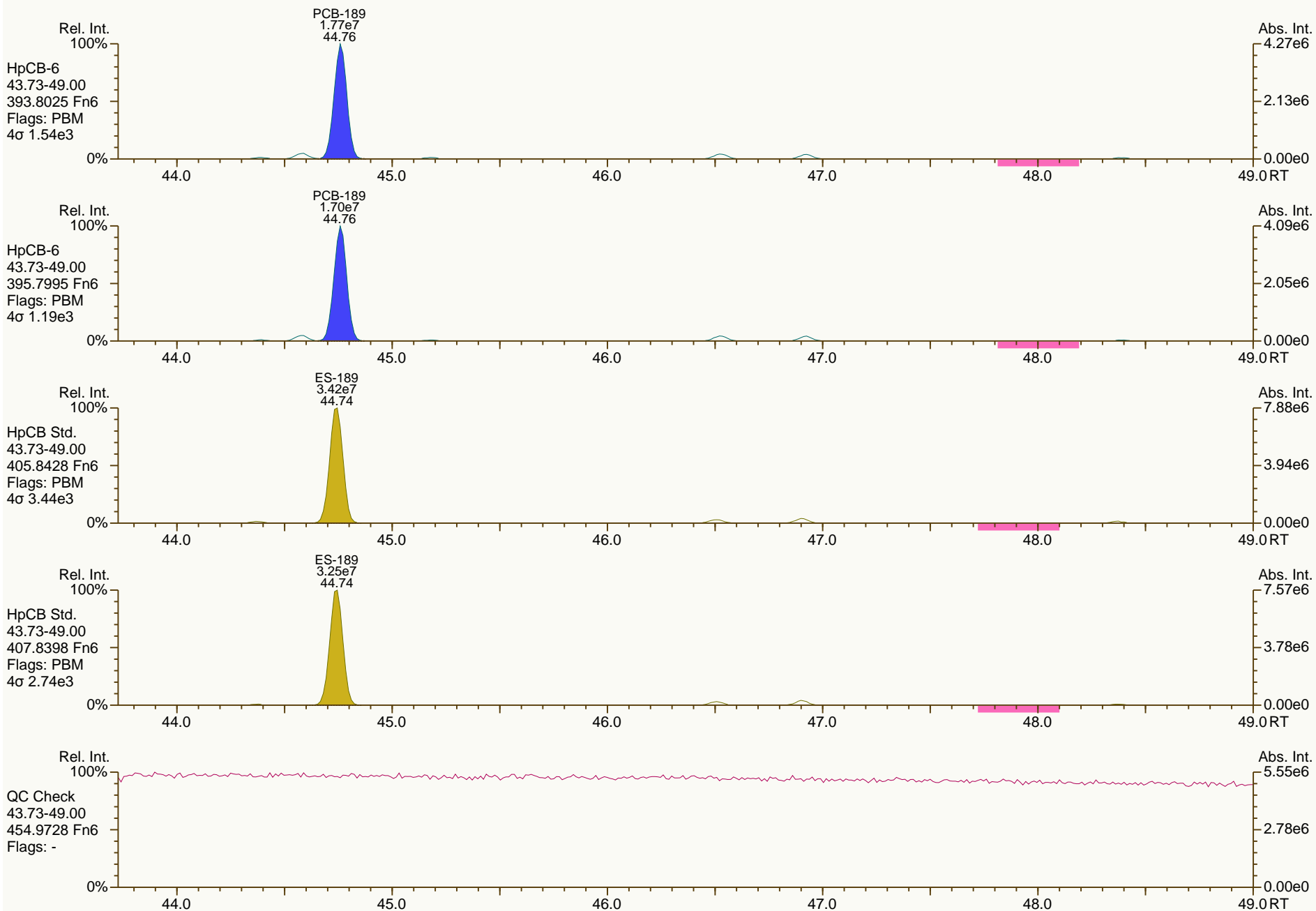
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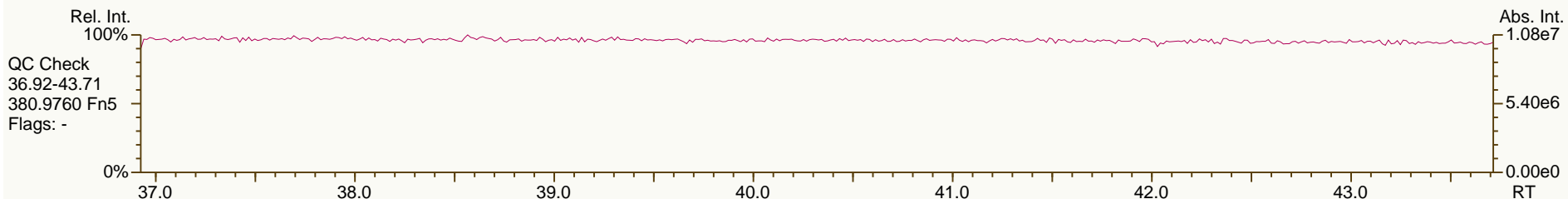
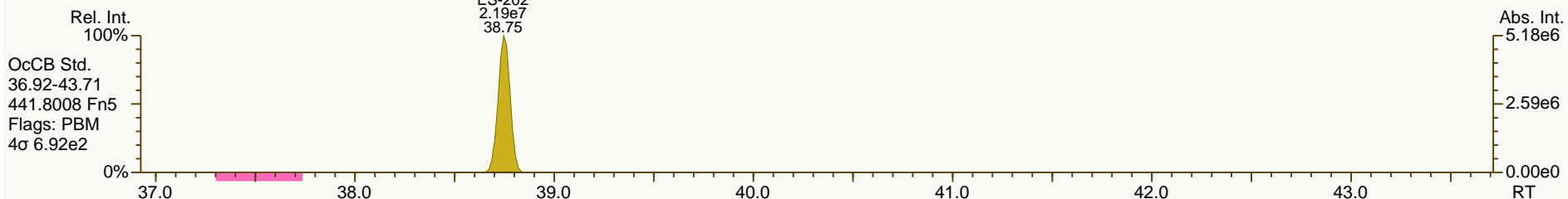
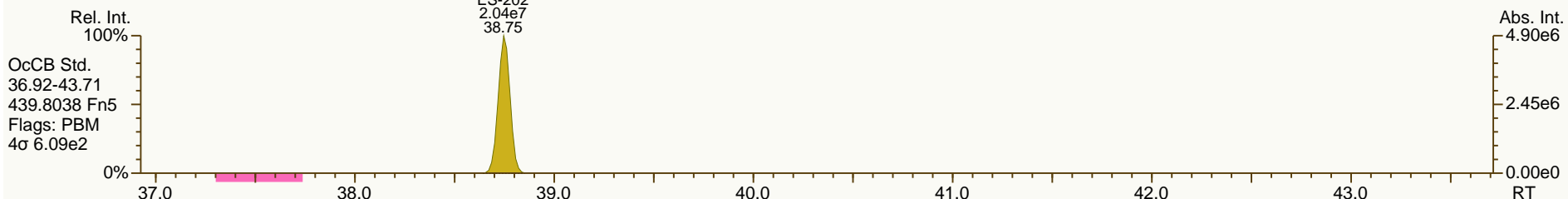
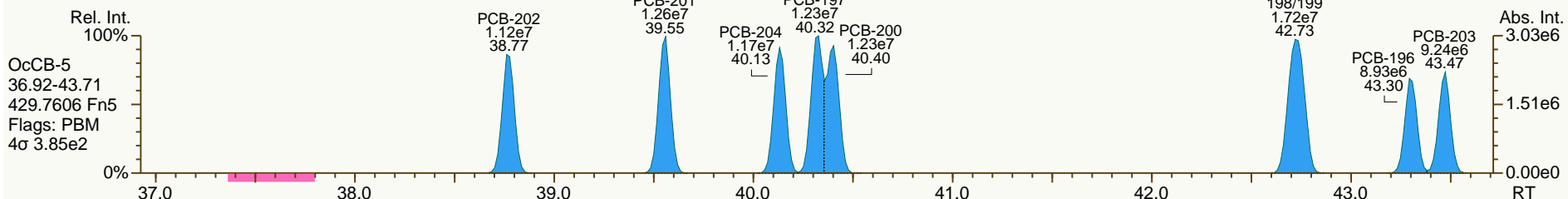
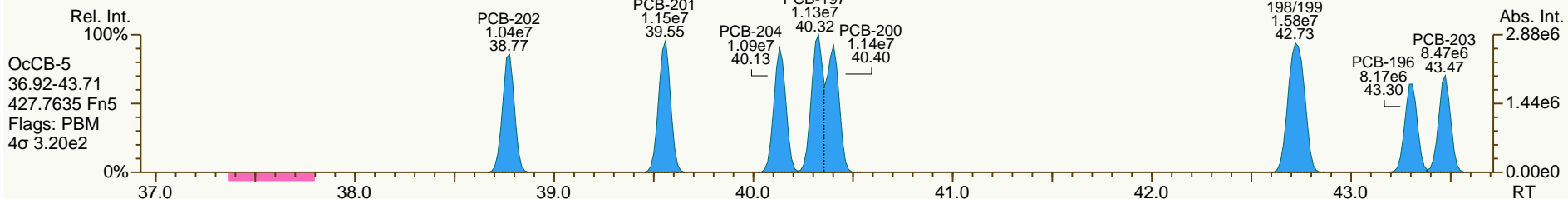
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SGS-AP ID: CS3_130519_PCB_XA
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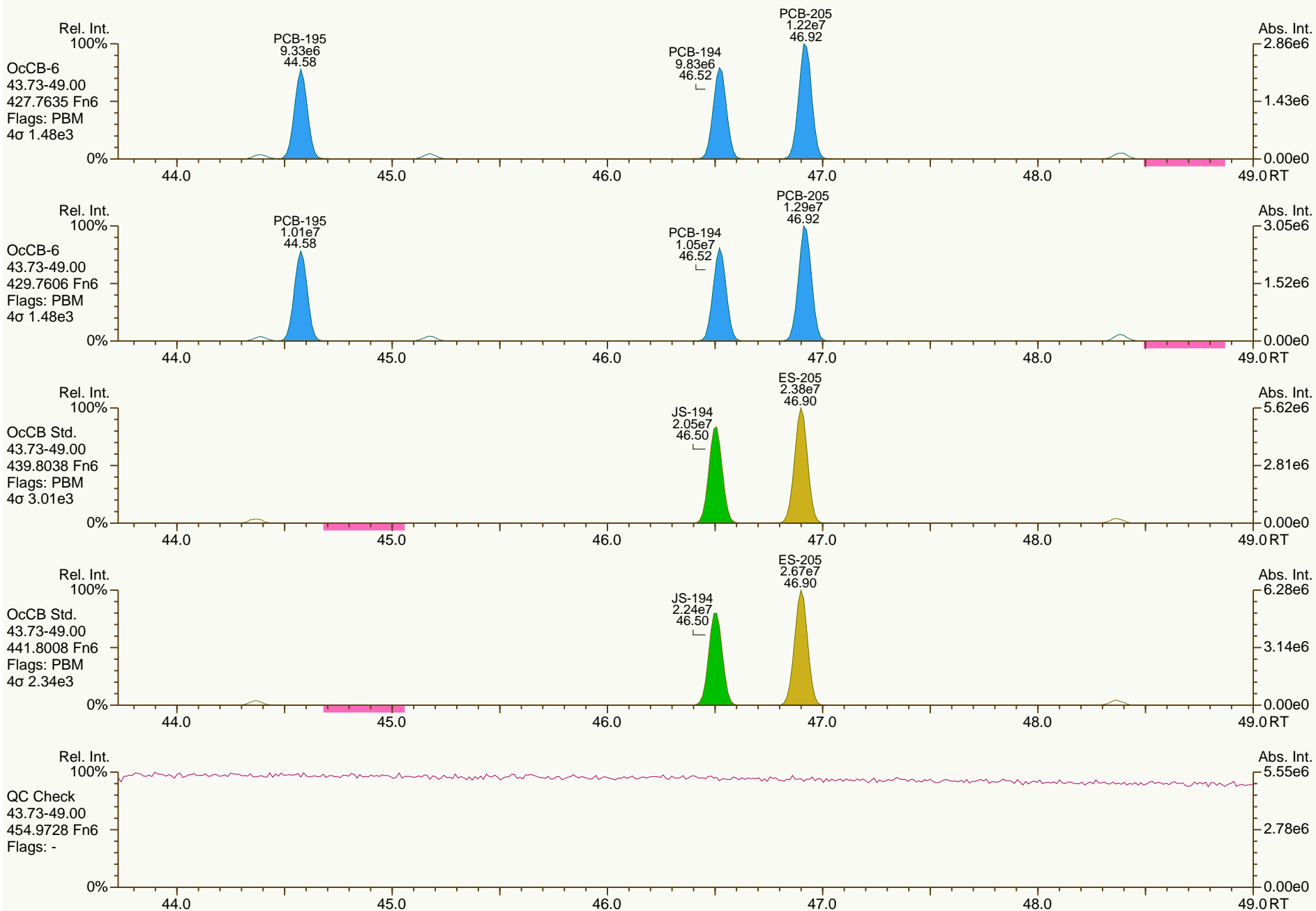
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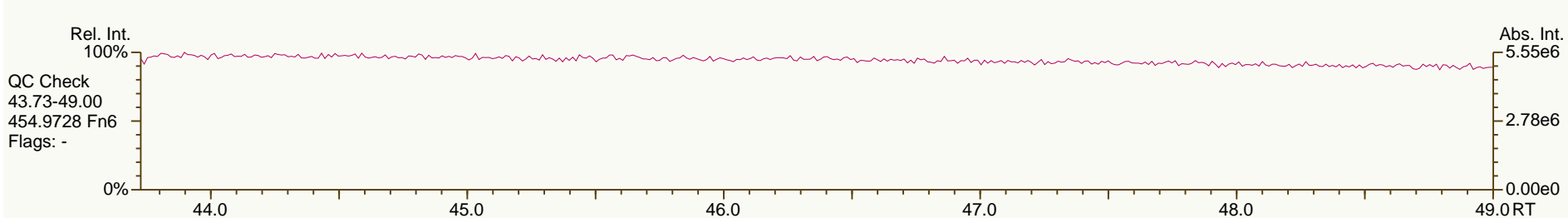
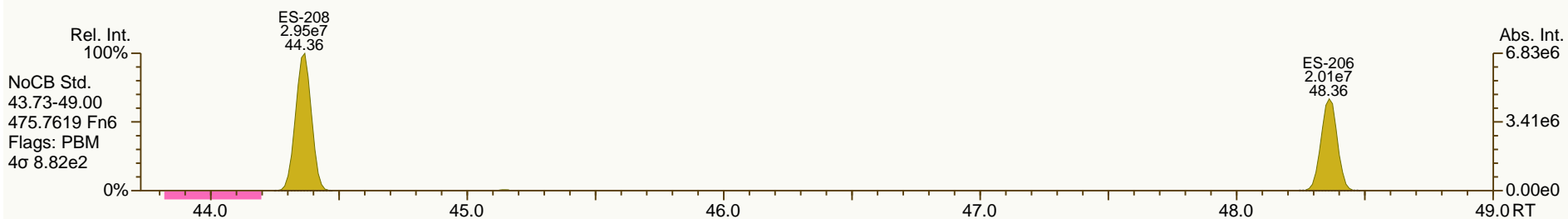
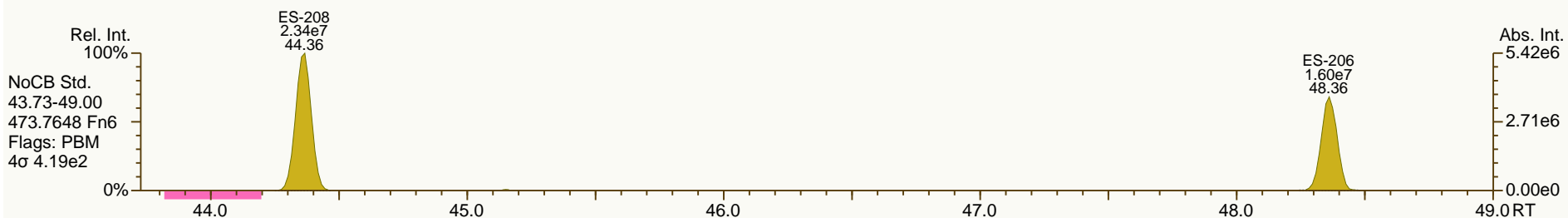
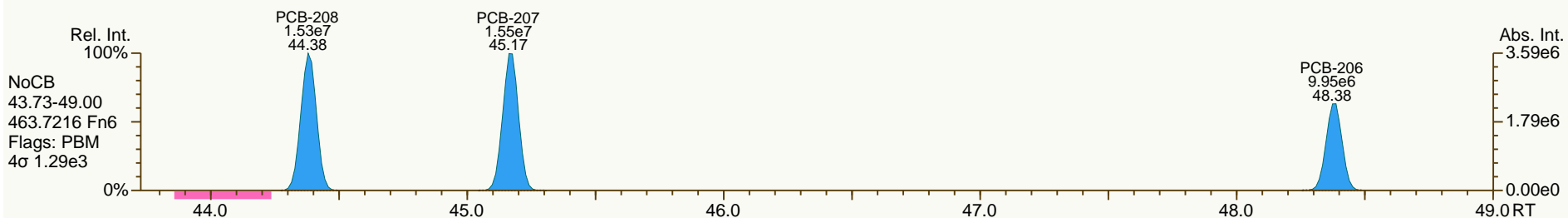
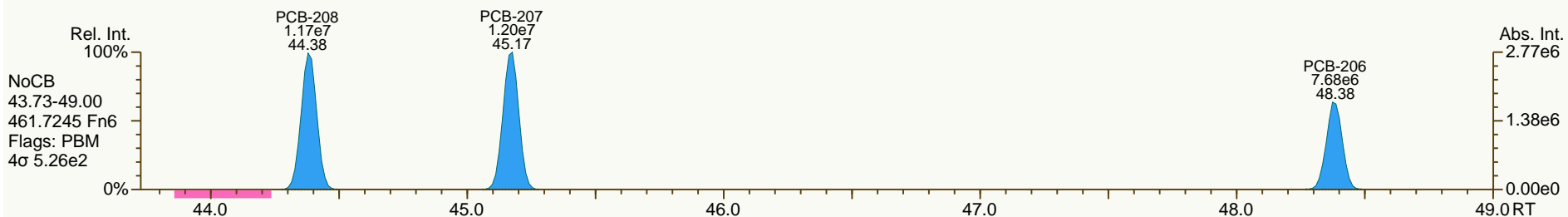
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SGS-AP ID: CS3_130519_PCB_XA
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Sample ID: SIL 13-18-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 4

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SGS-AP ID: CS3_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 13-18-1
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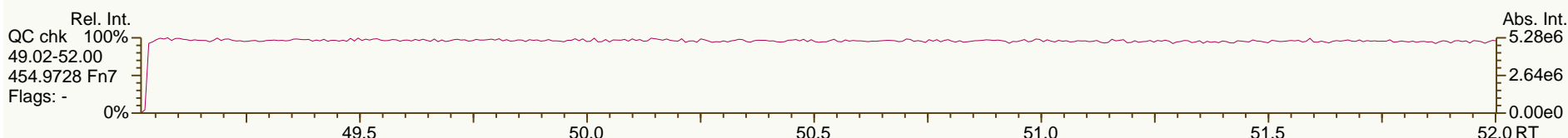
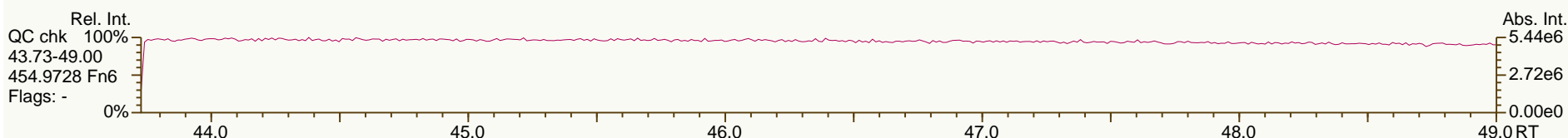
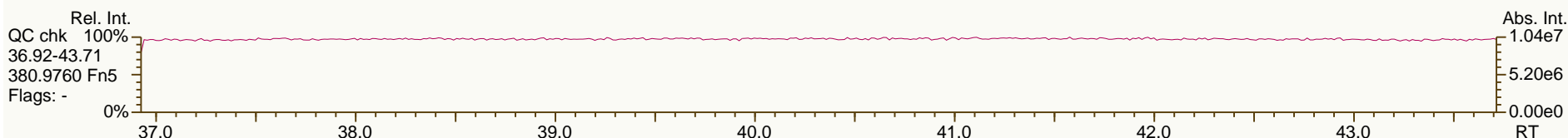
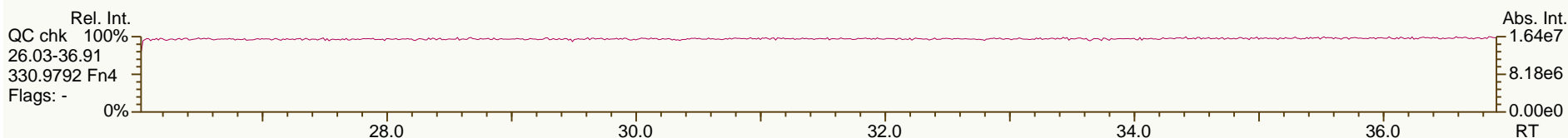
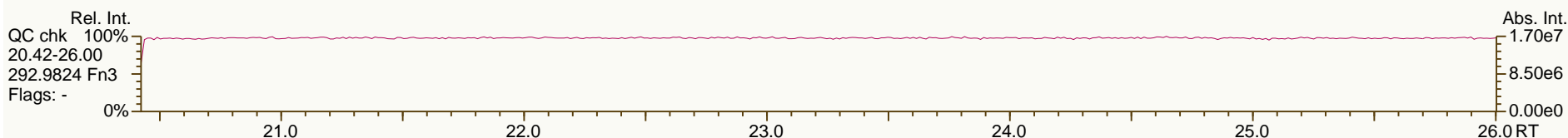
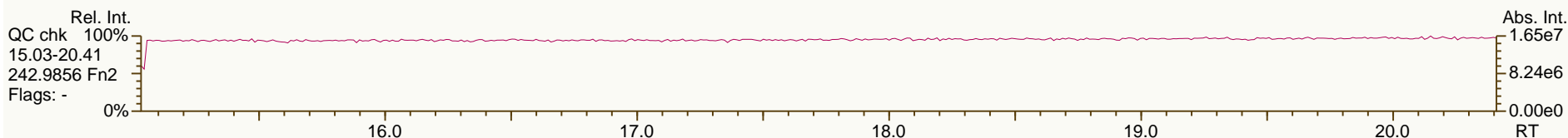
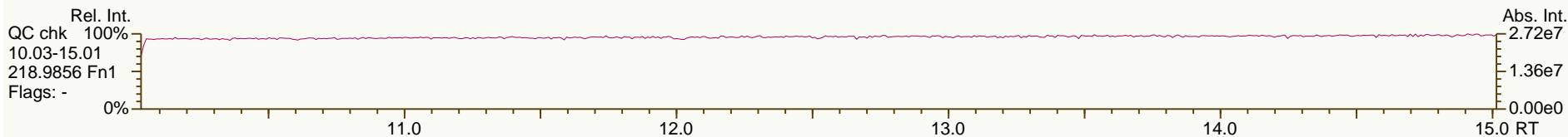
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 2

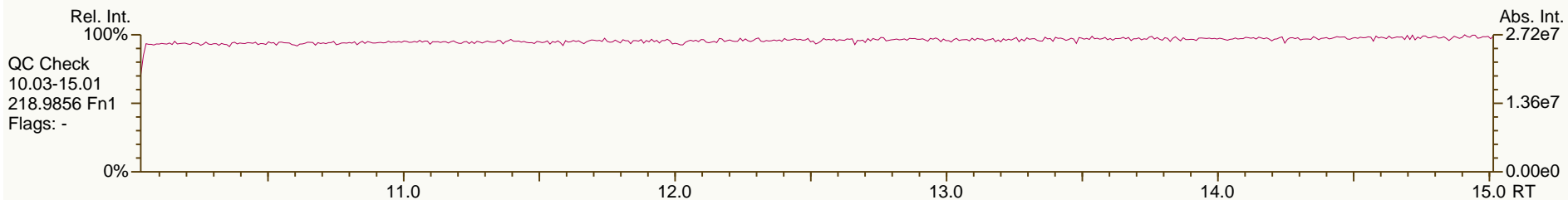
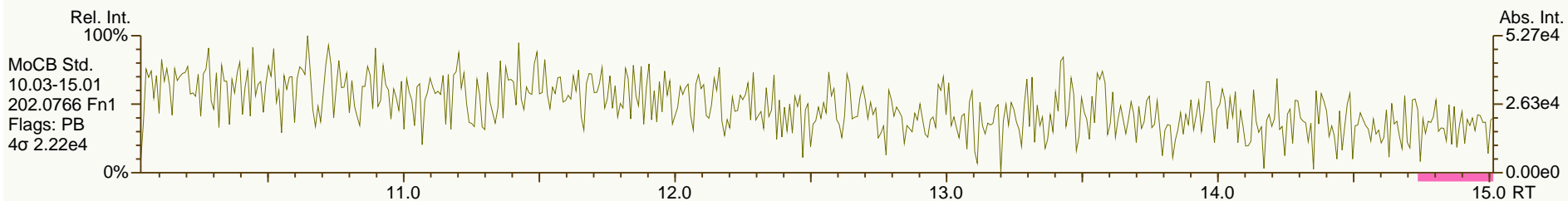
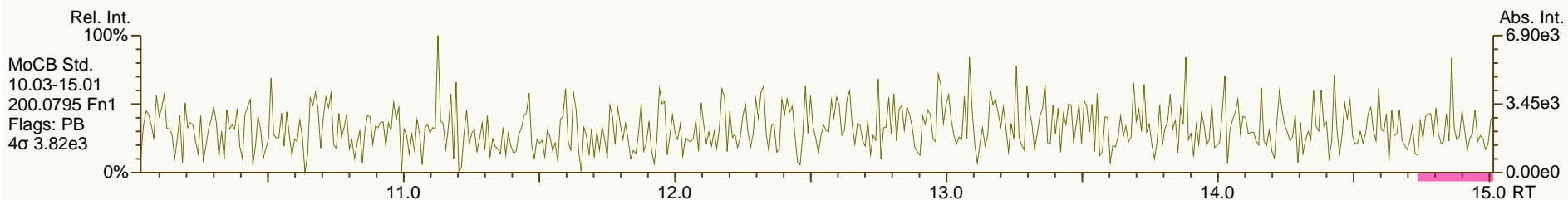
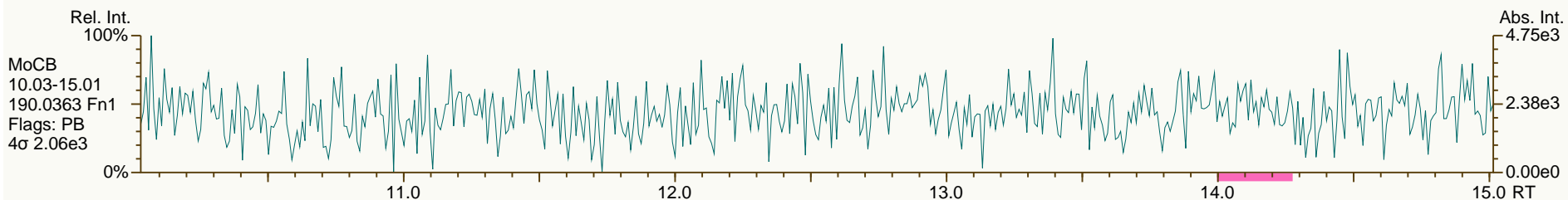
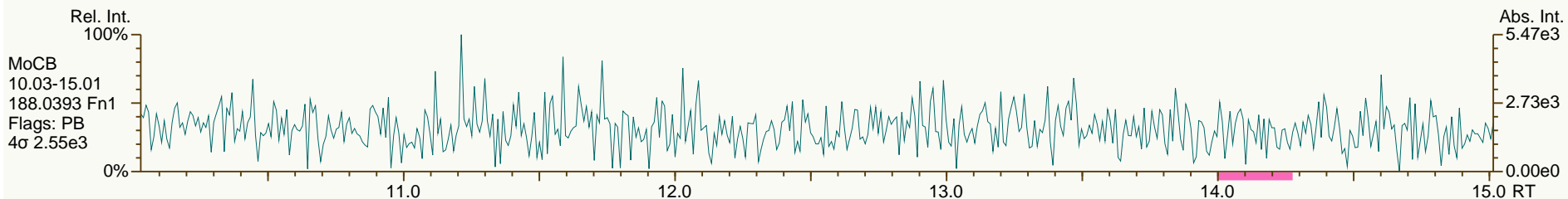
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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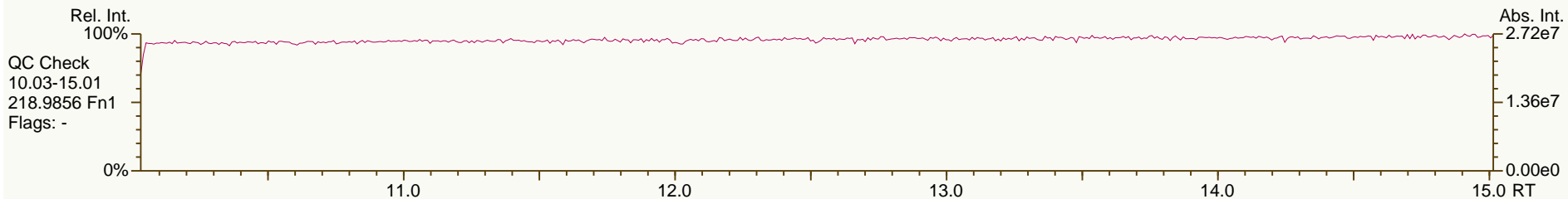
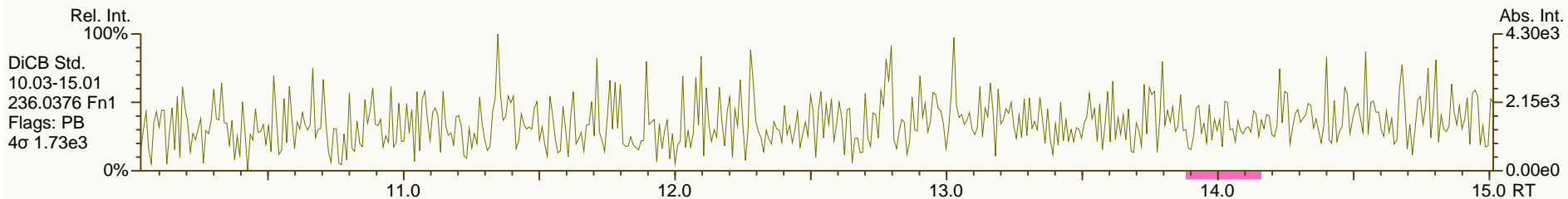
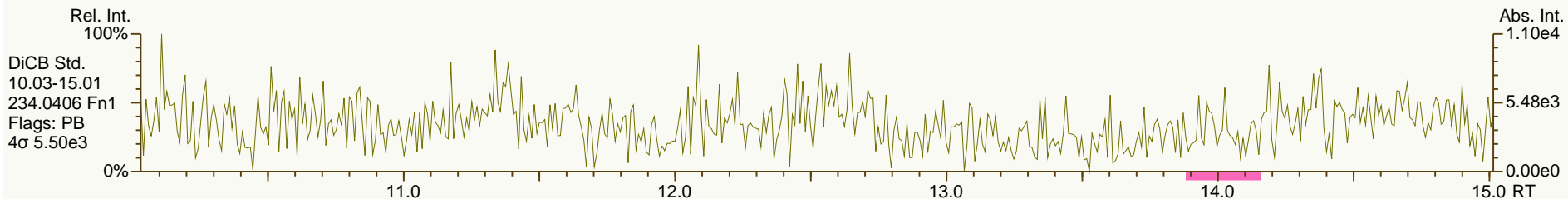
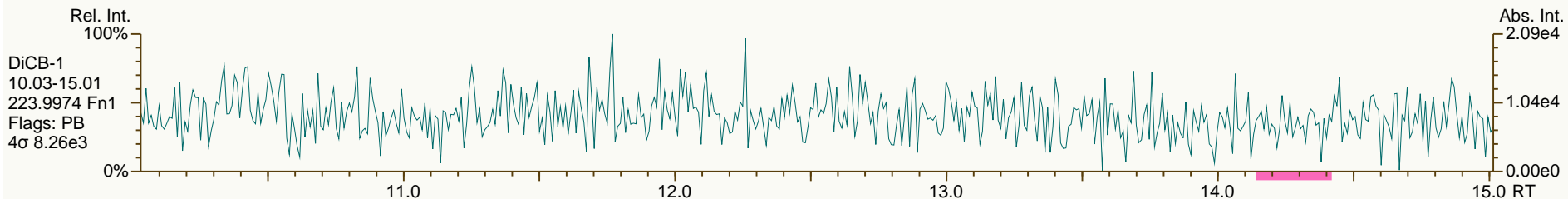
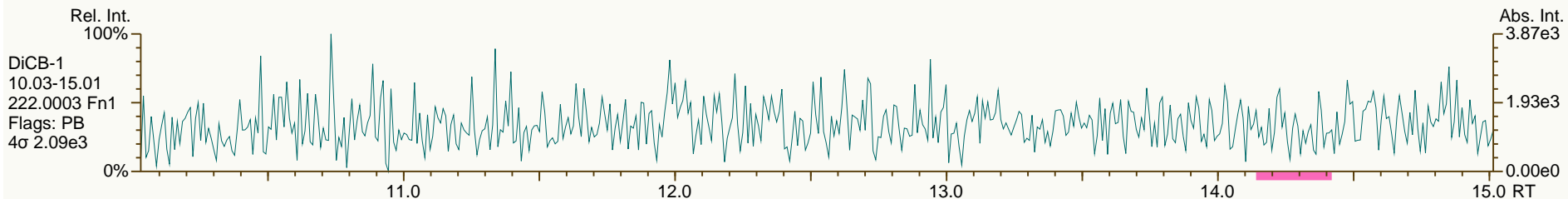
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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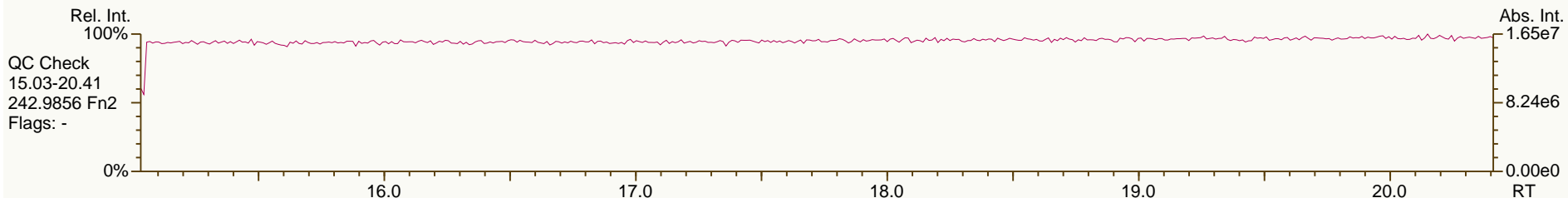
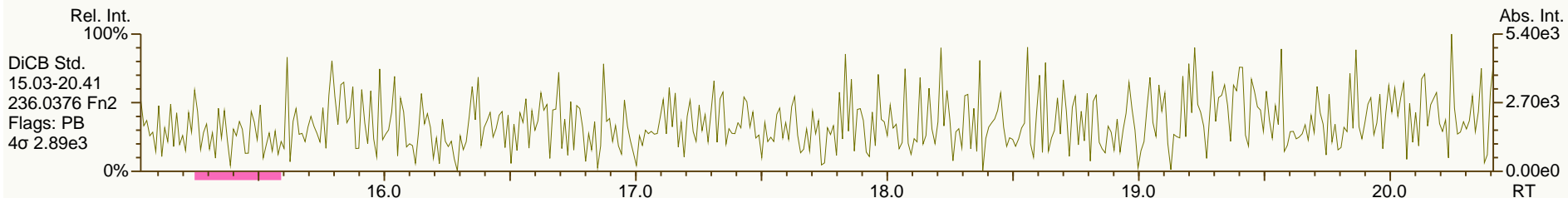
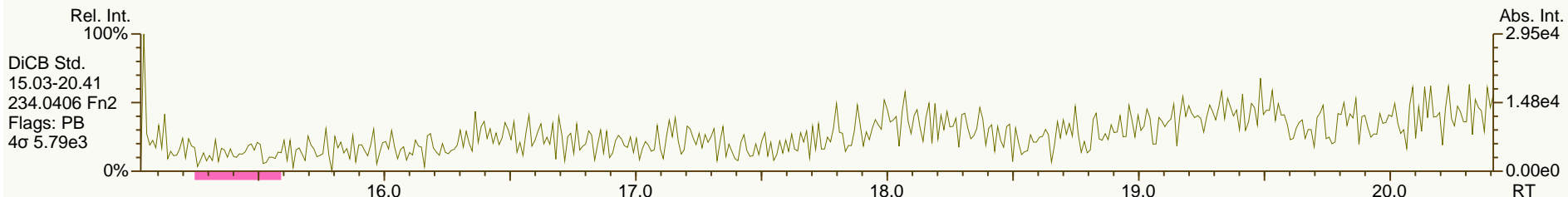
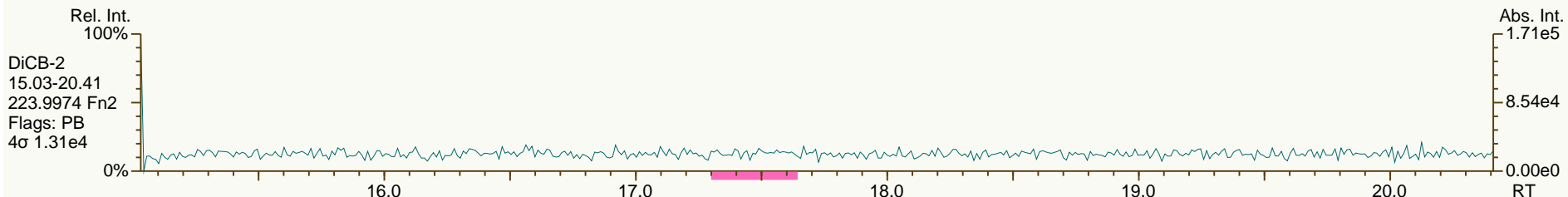
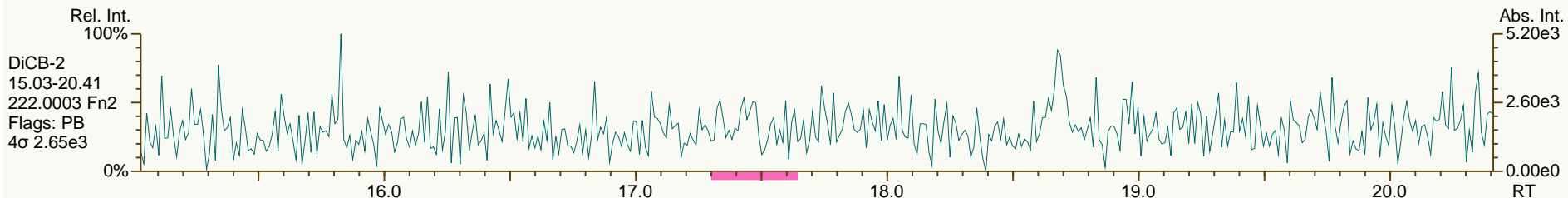
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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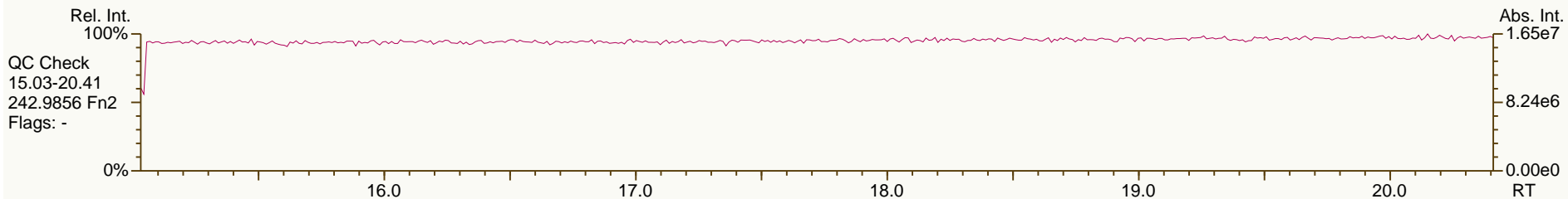
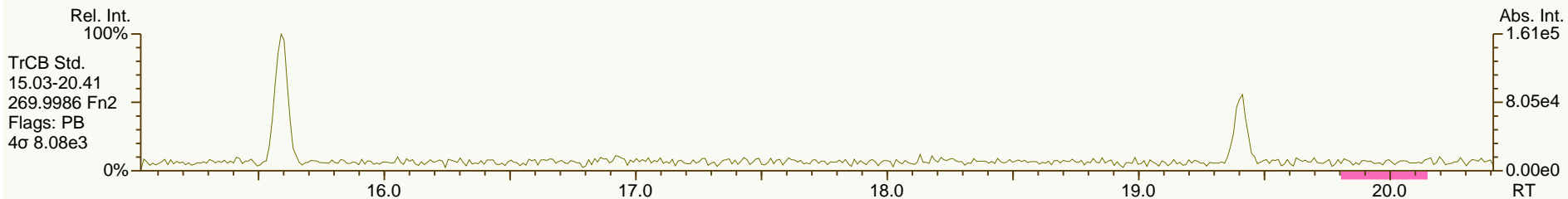
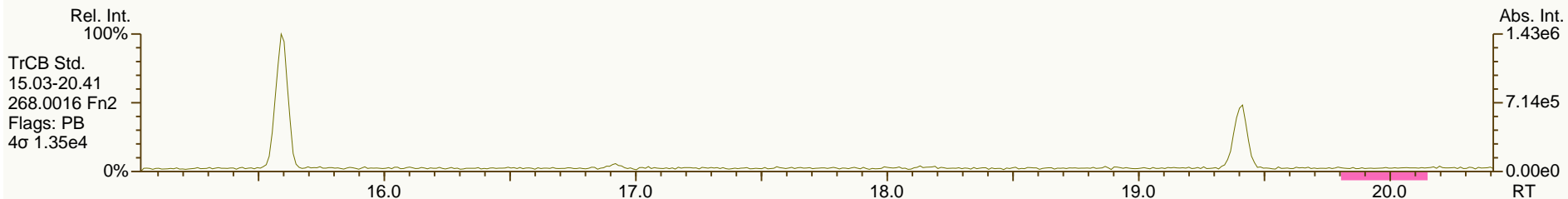
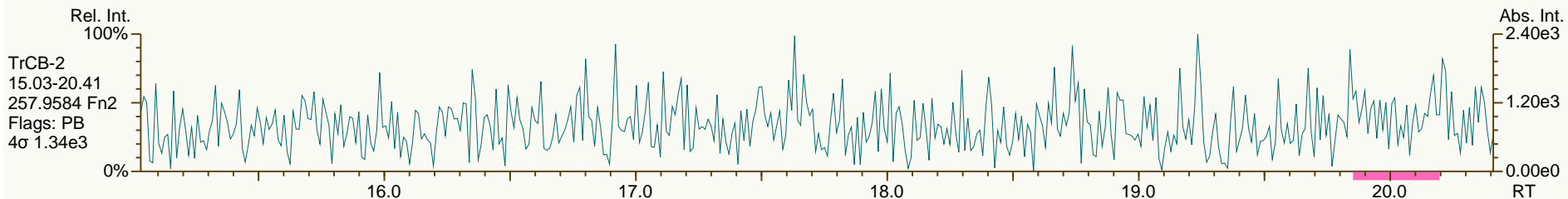
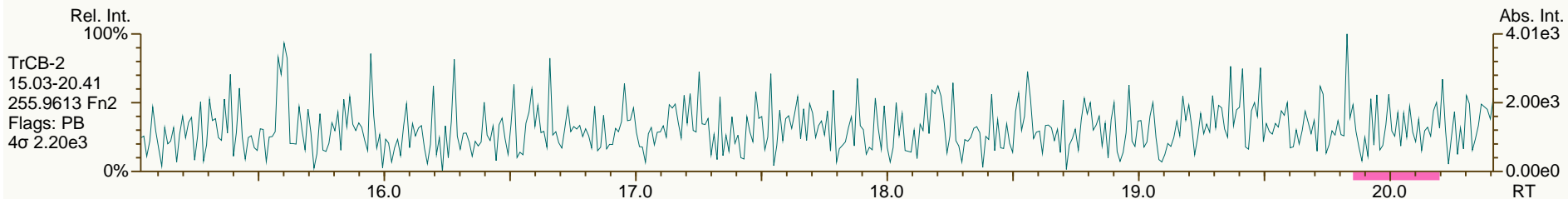
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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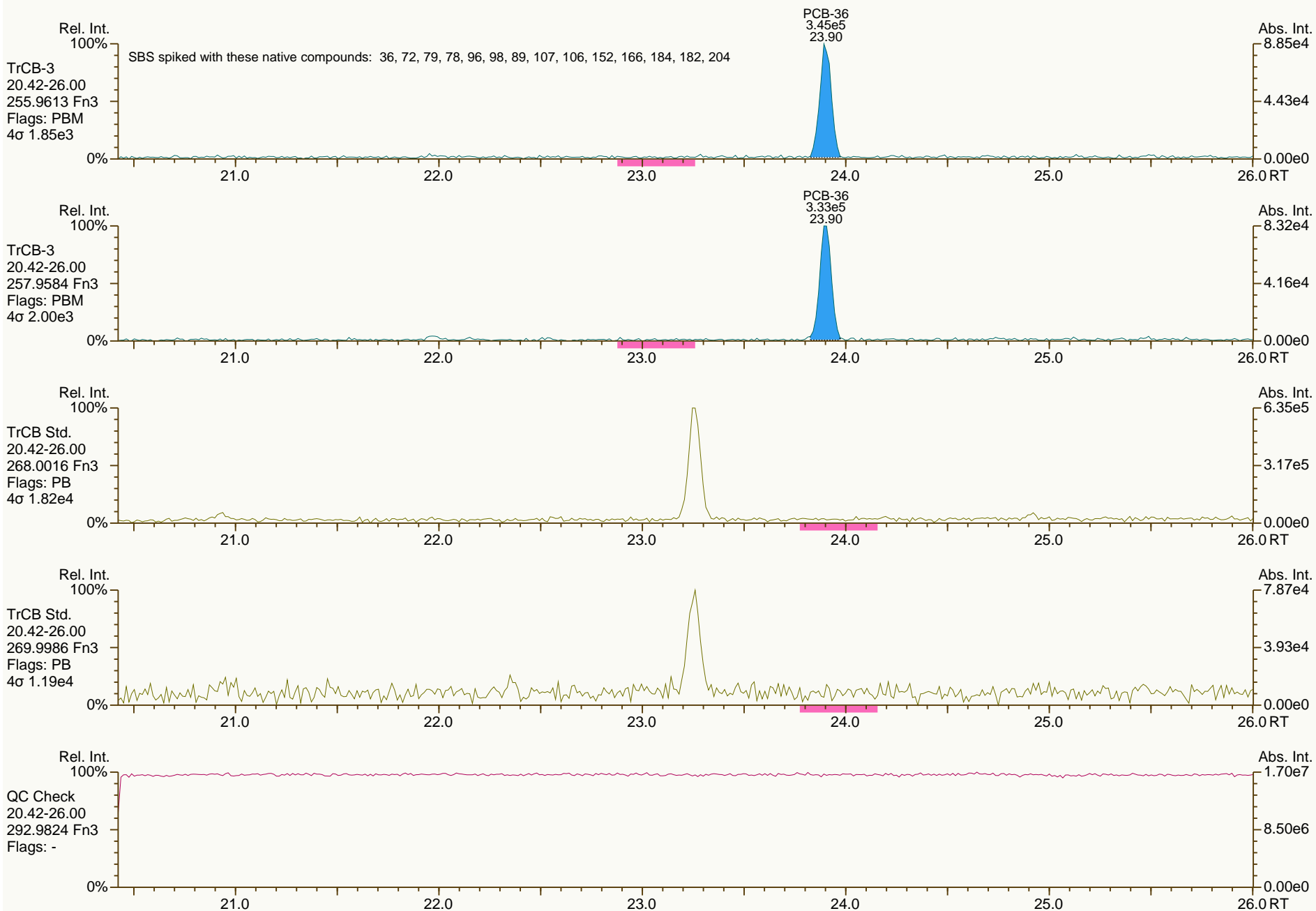
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 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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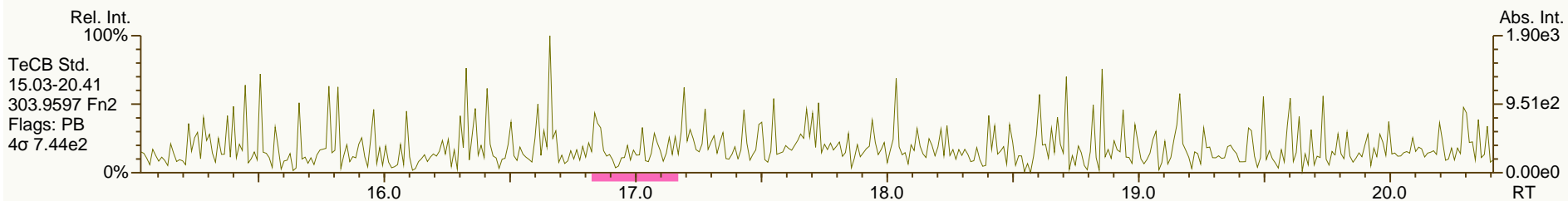
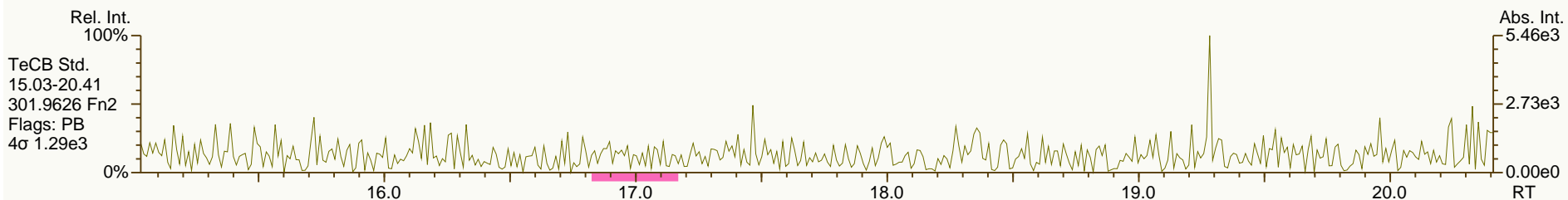
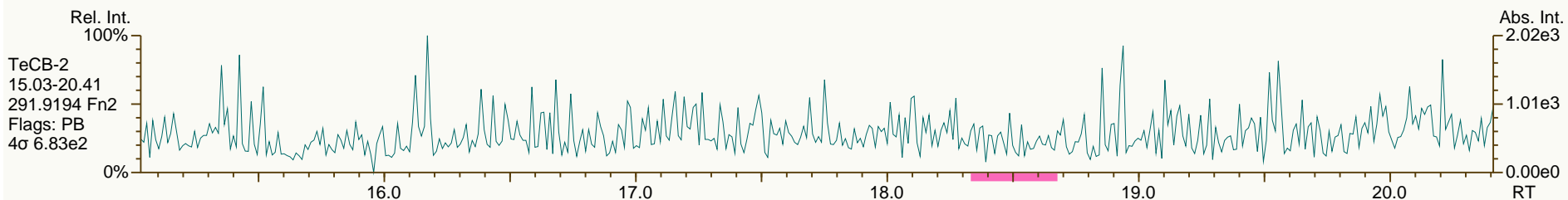
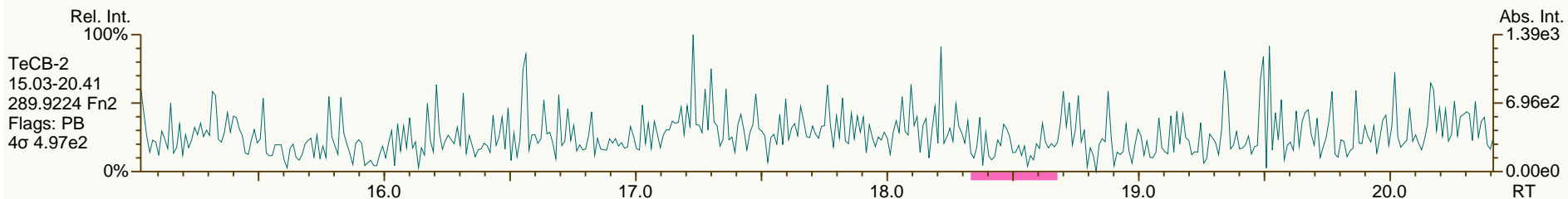
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SGS-AP ID: SBS_130519_PCB_XA
 Instr: AutoSpec-Premier MM7

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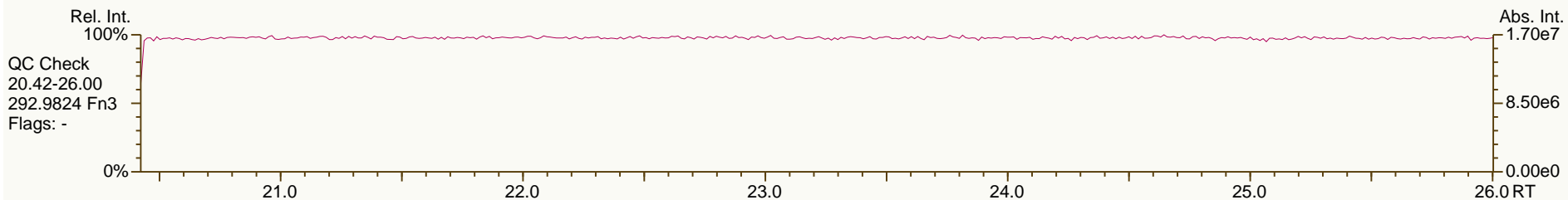
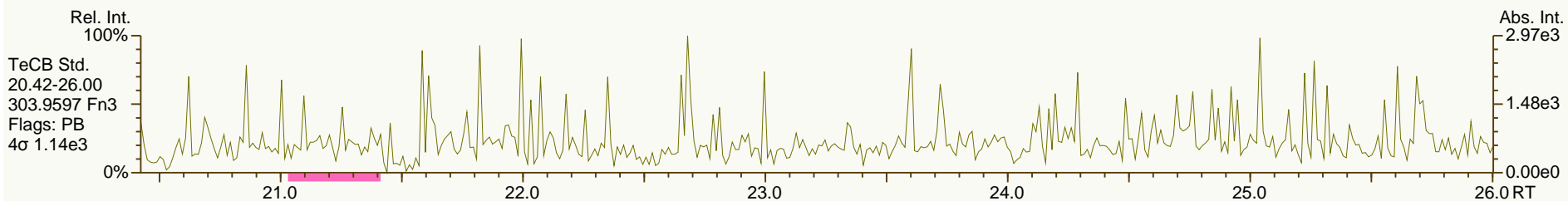
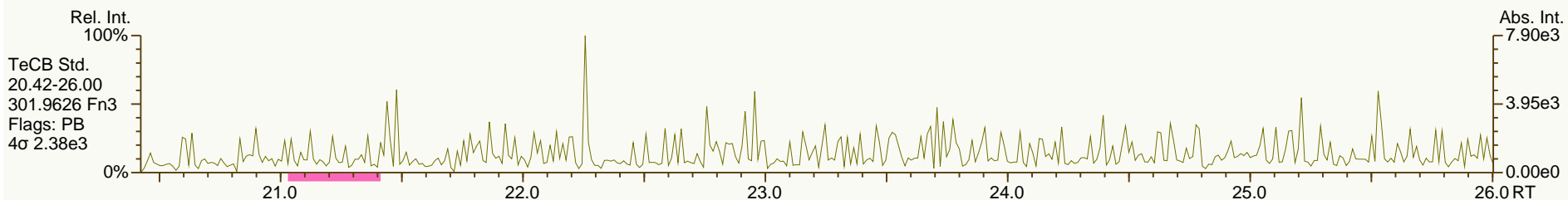
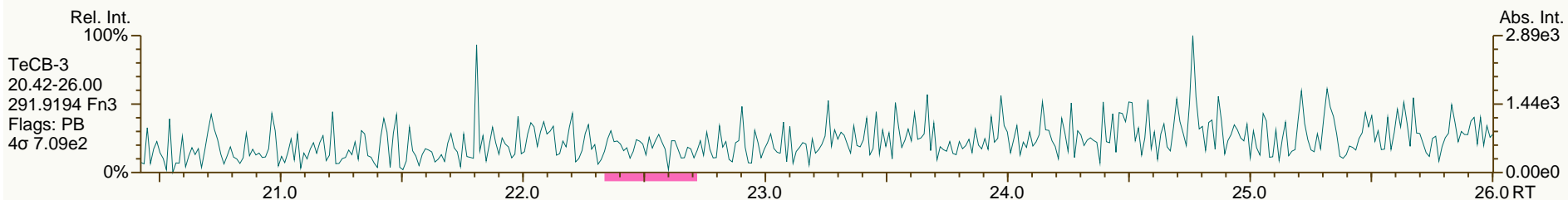
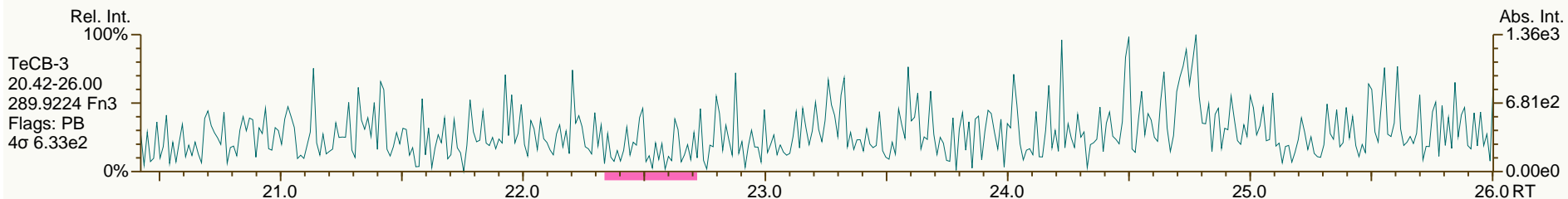
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SGS-AP ID: SBS_130519_PCB_XA
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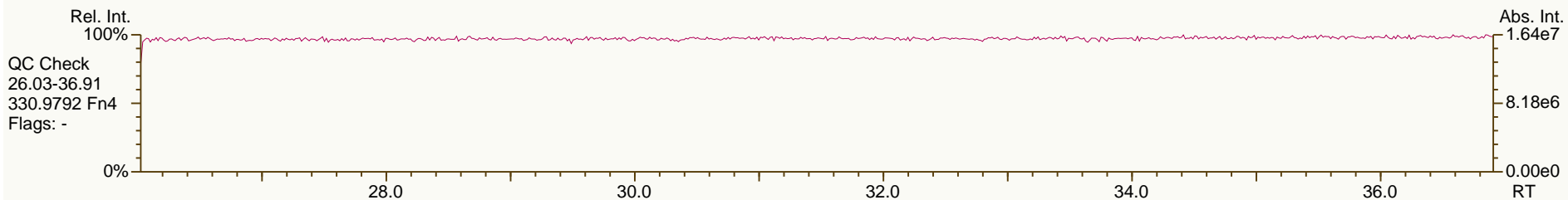
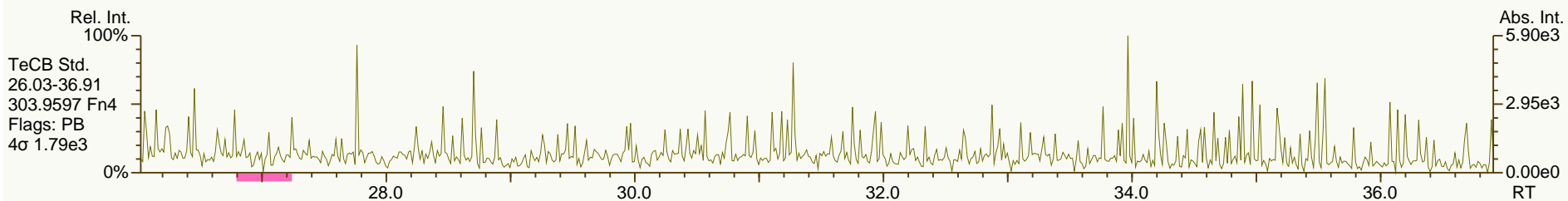
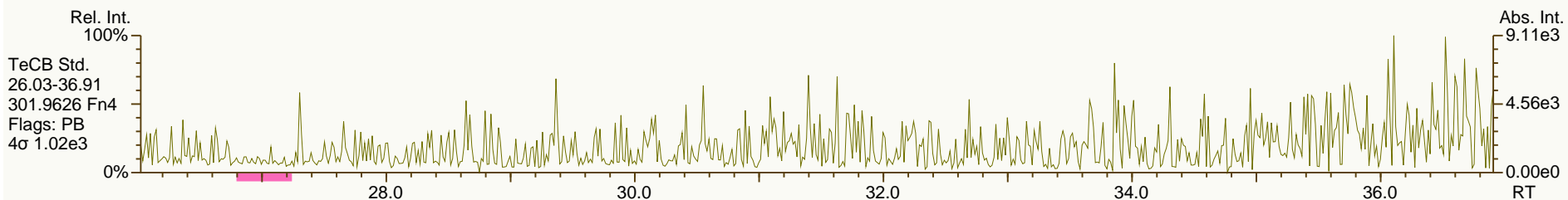
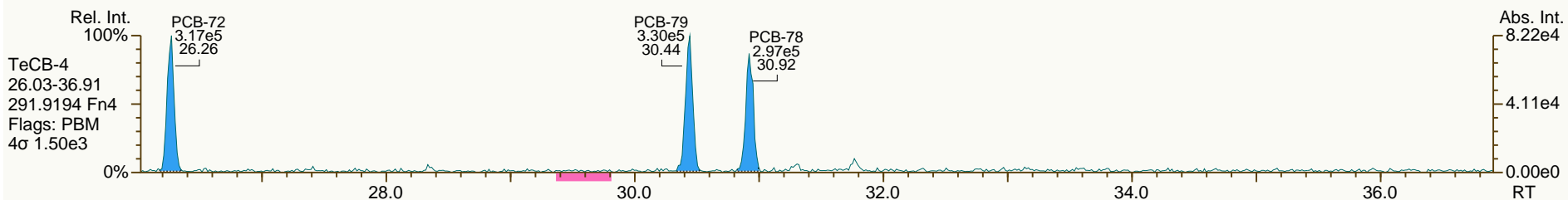
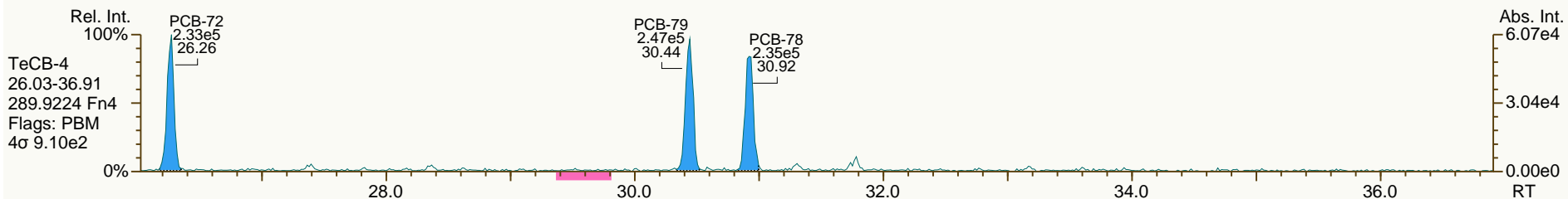
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SGS-AP ID: SBS_130519_PCB_XA
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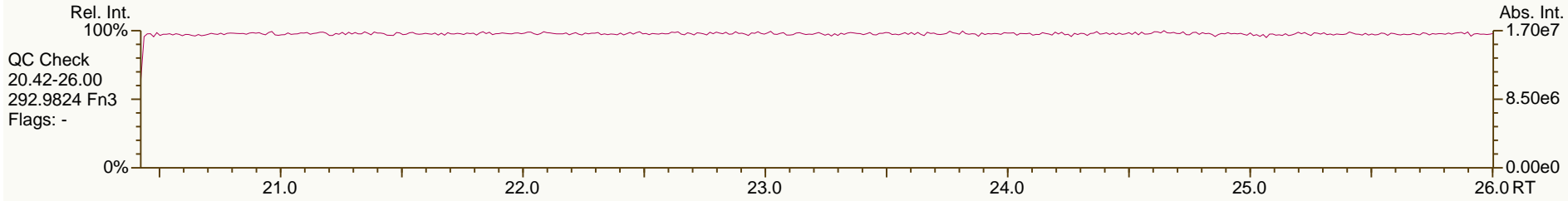
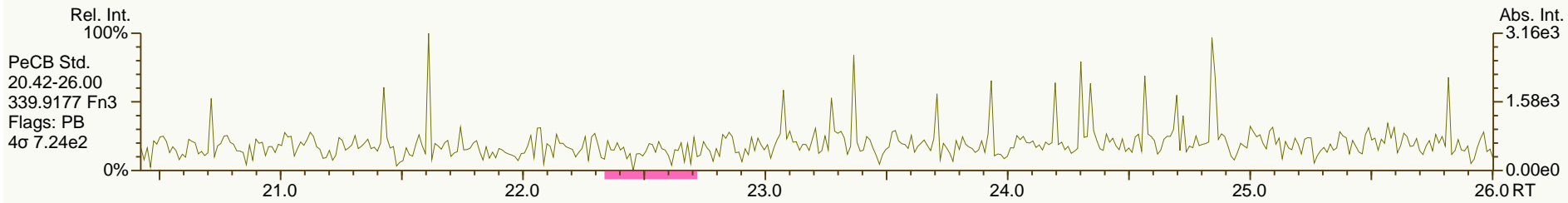
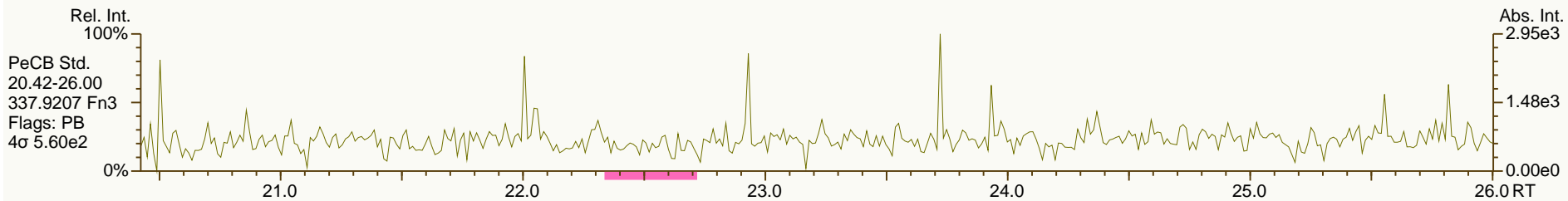
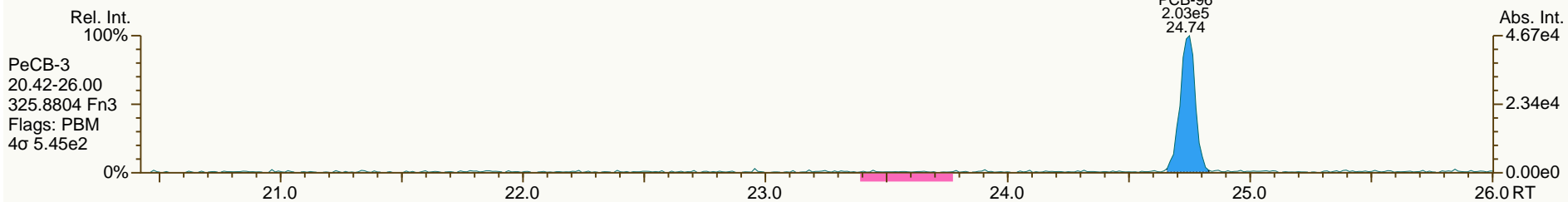
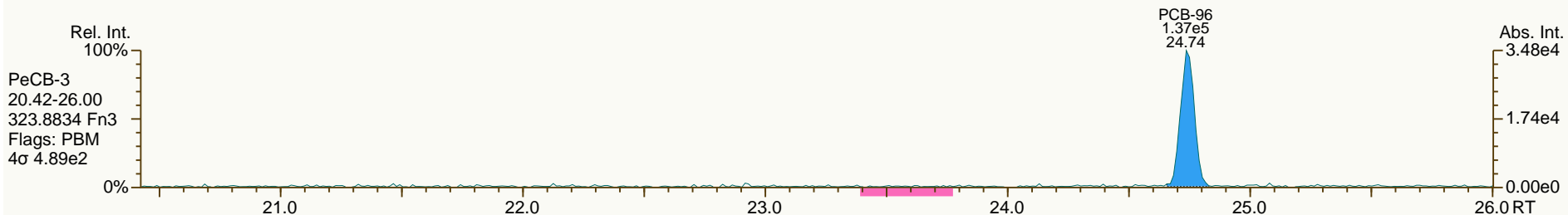
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SGS-AP ID: SBS_130519_PCB_XA
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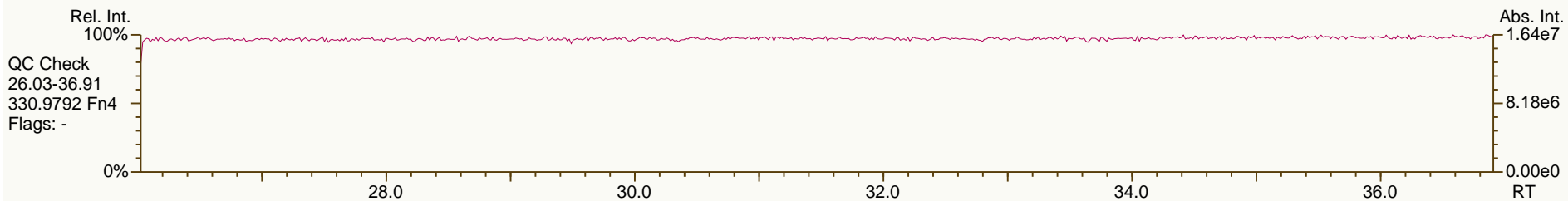
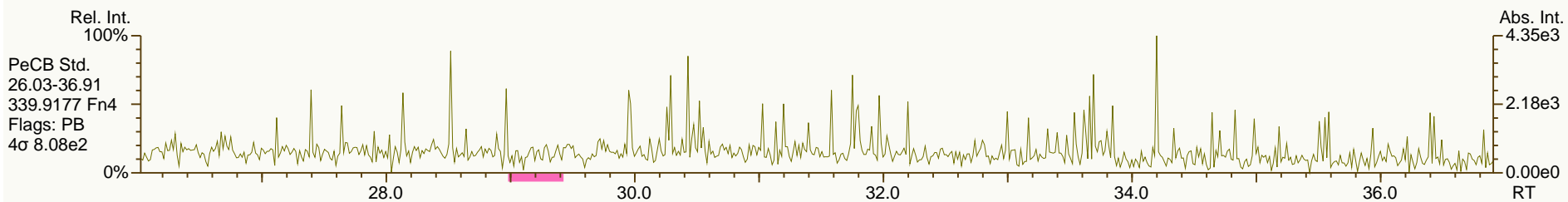
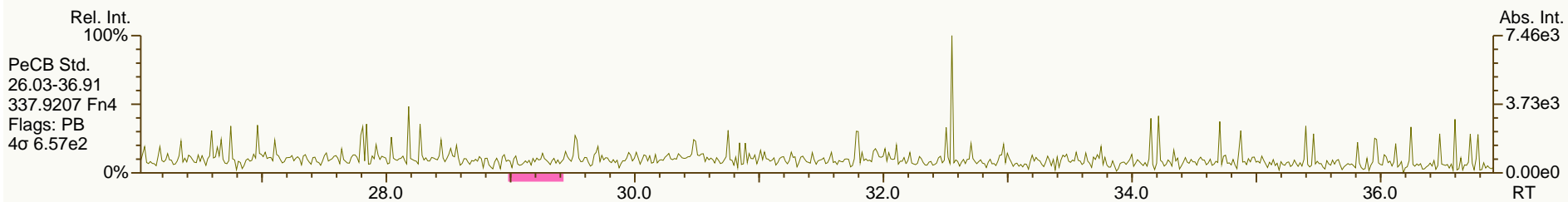
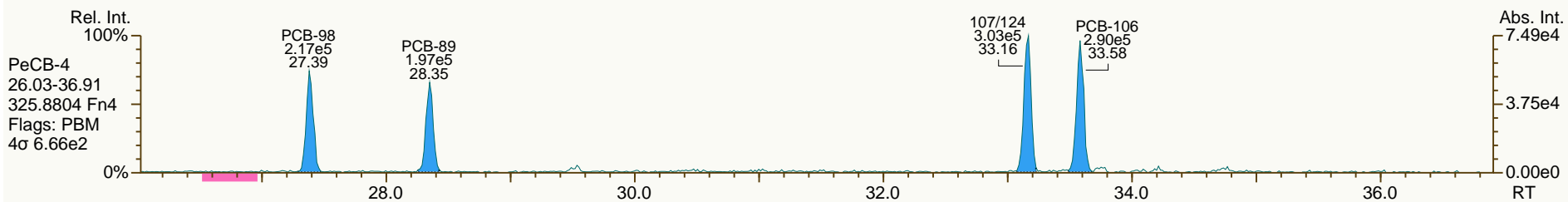
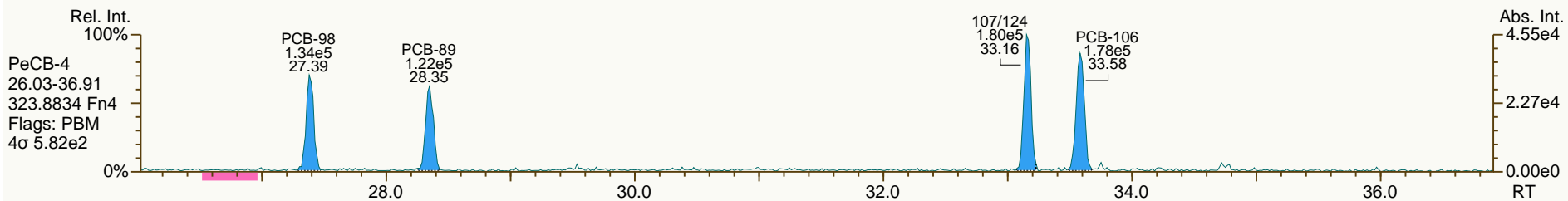
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SGS-AP ID: SBS_130519_PCB_XA
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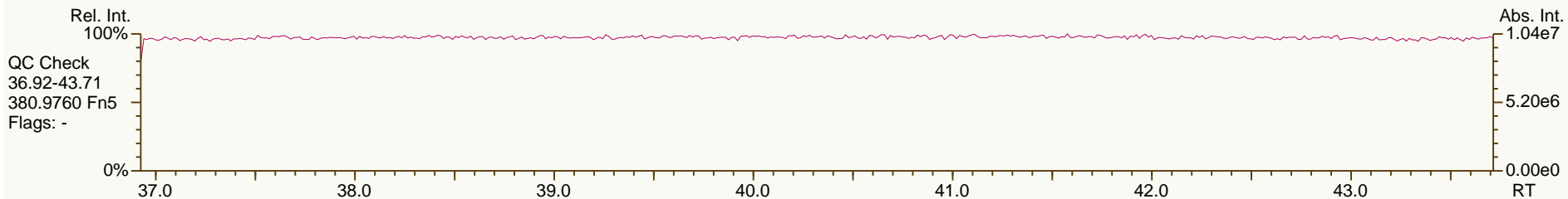
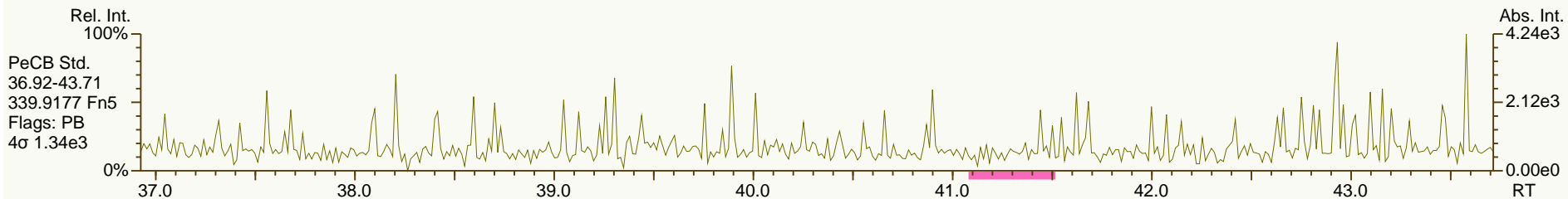
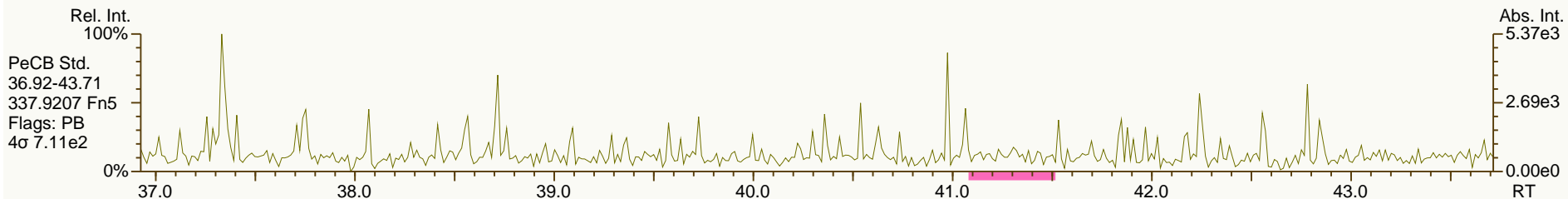
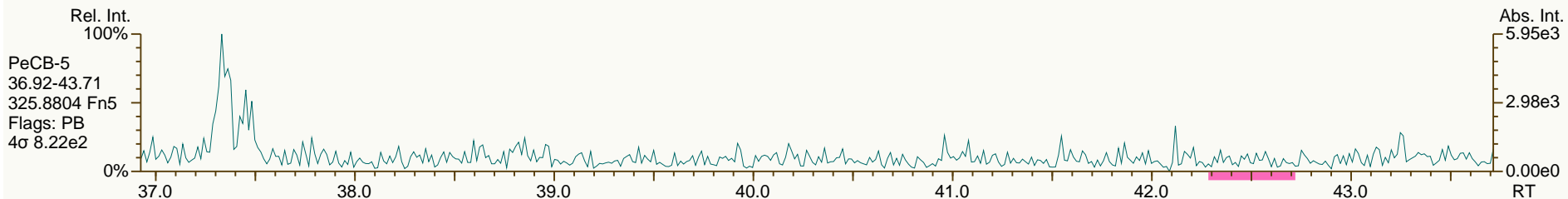
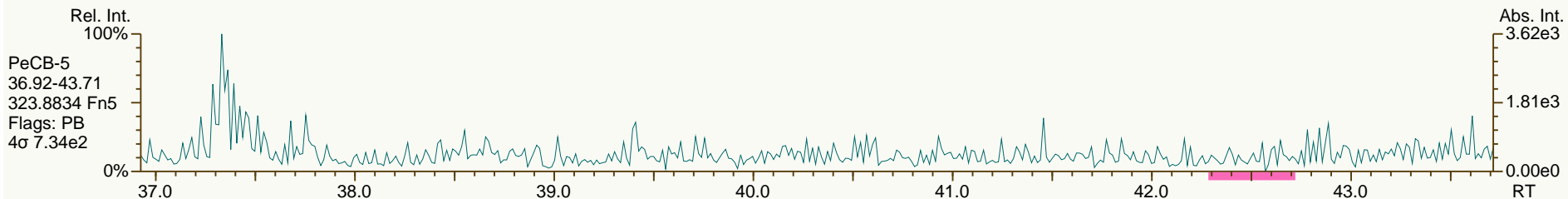
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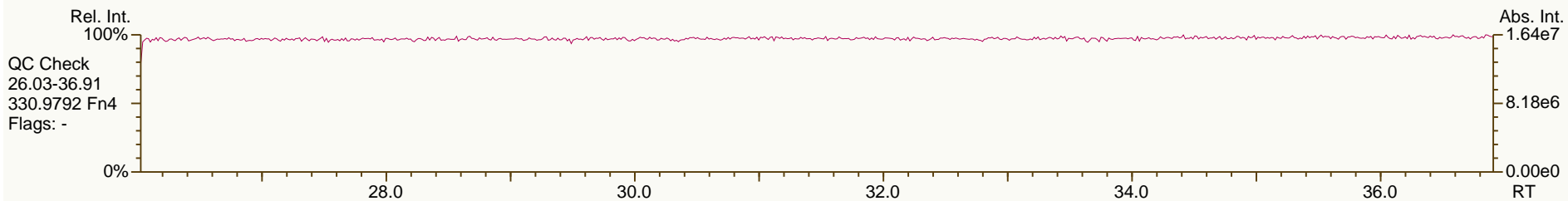
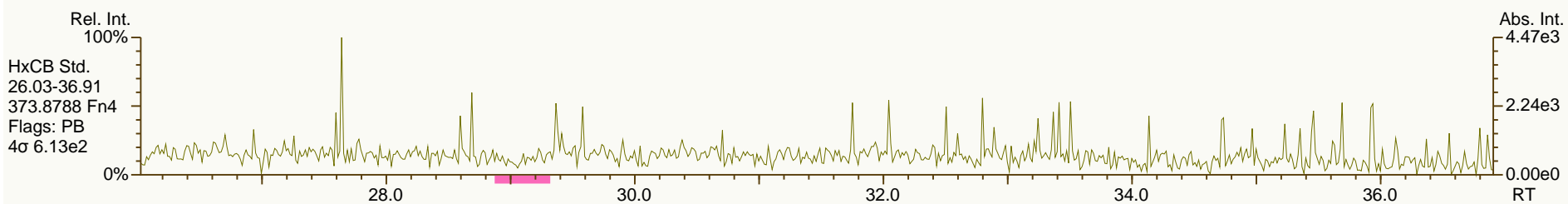
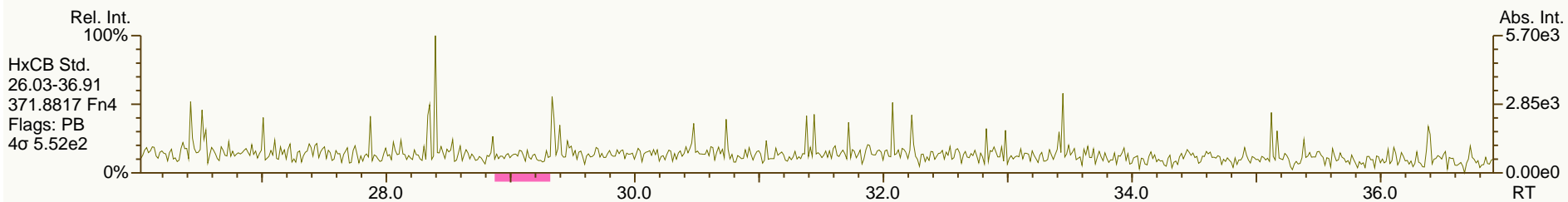
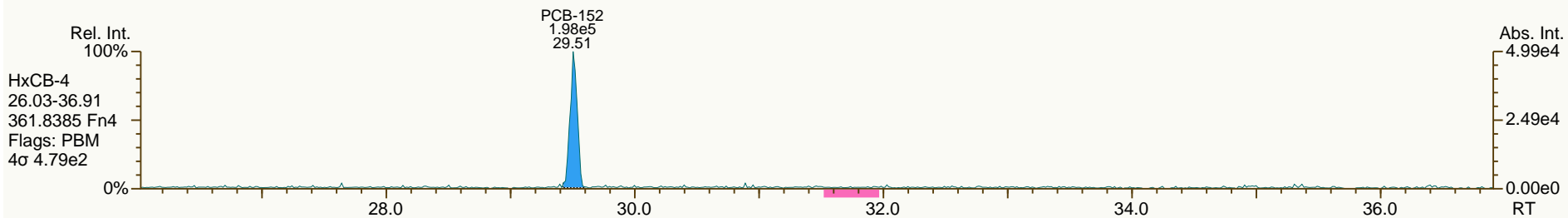
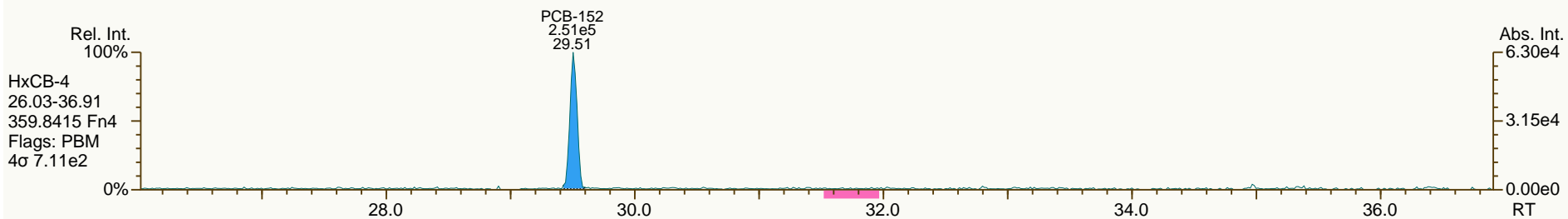
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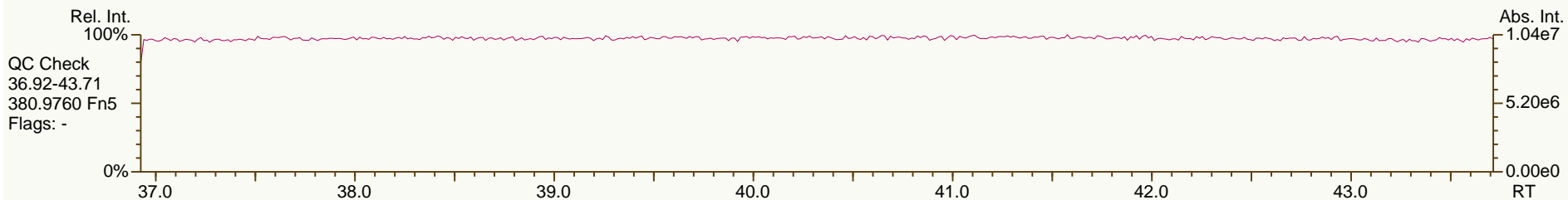
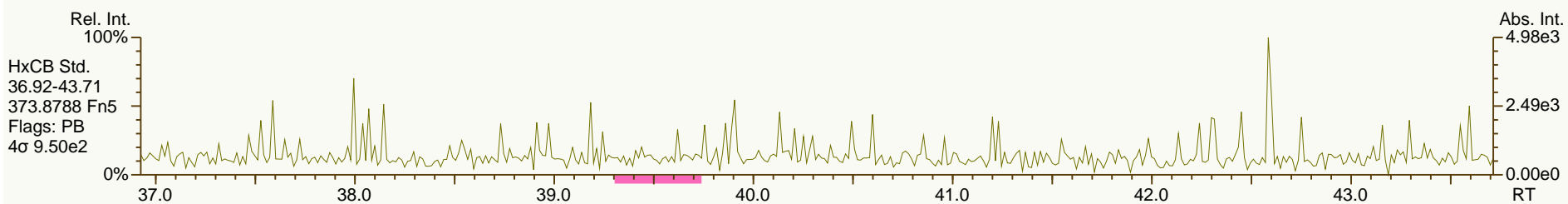
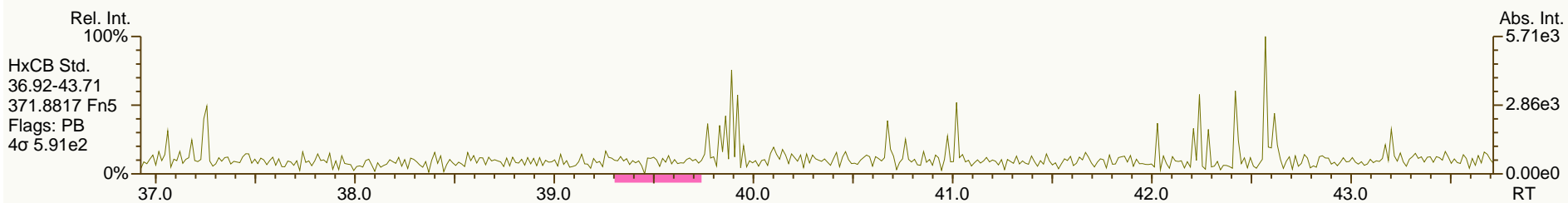
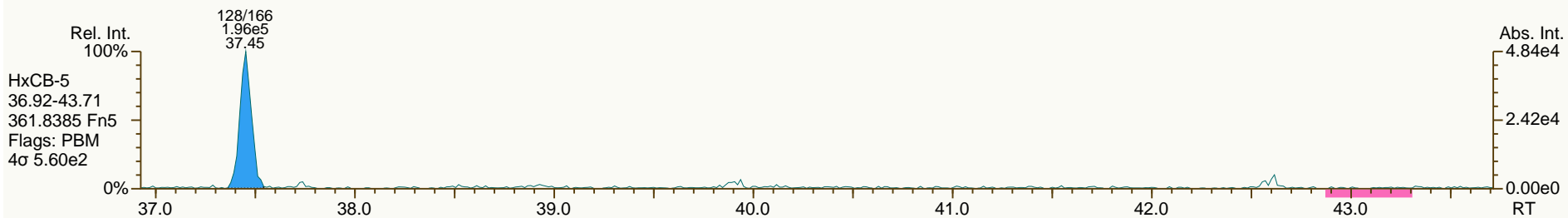
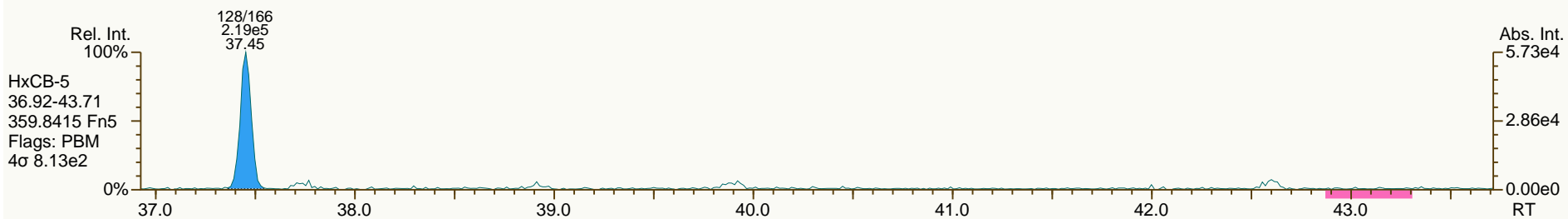
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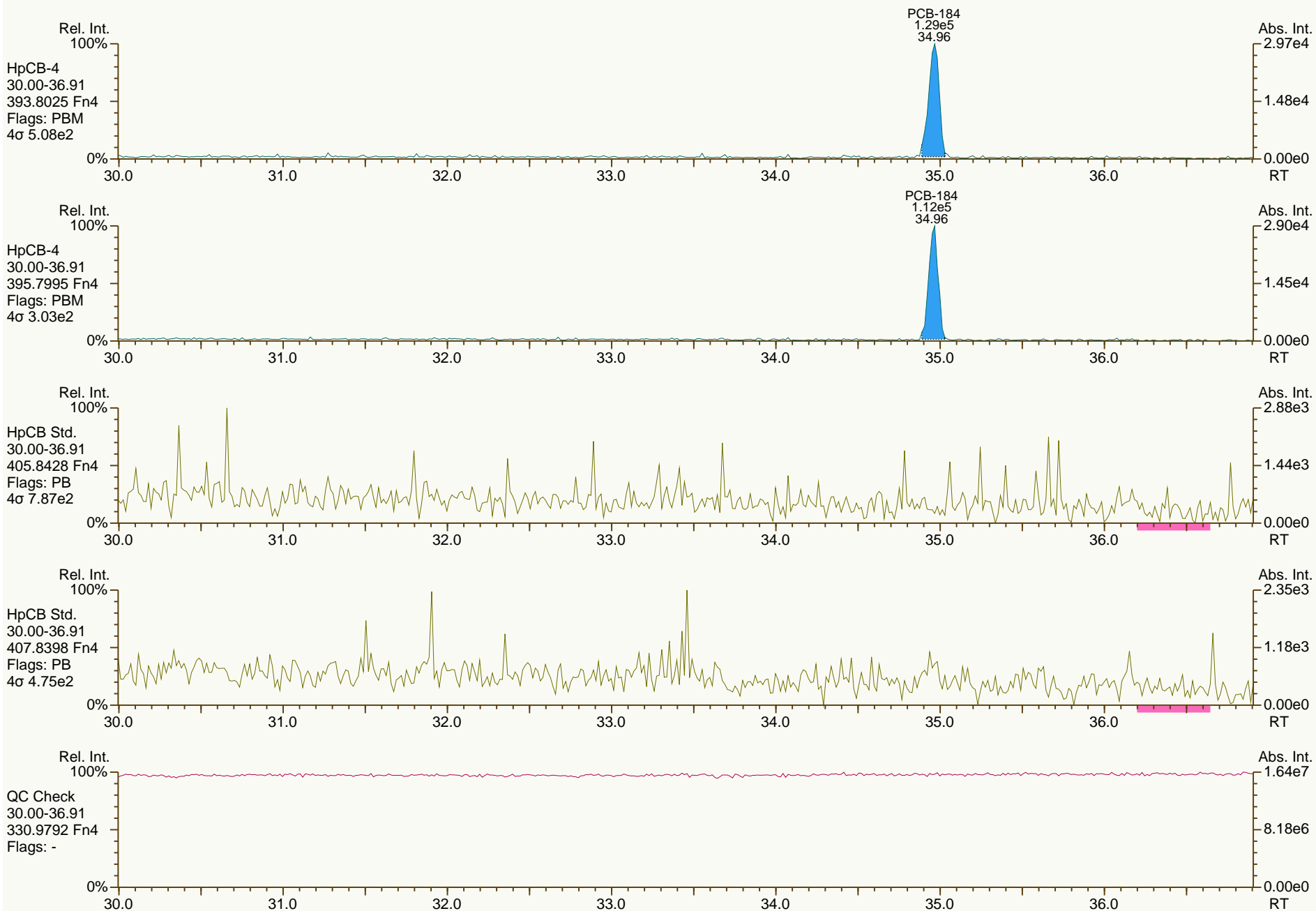
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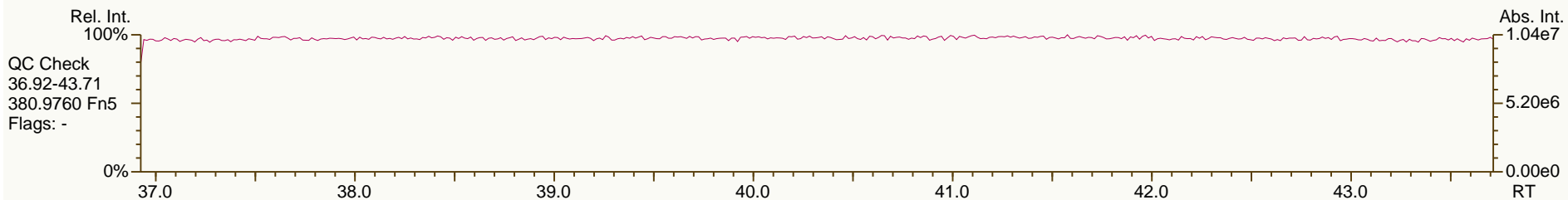
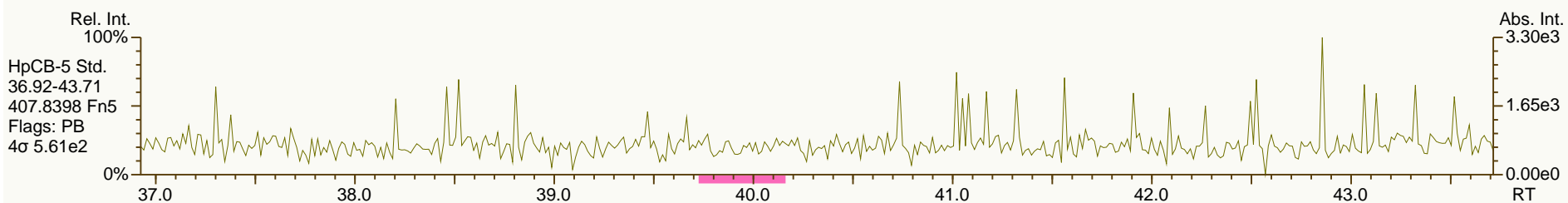
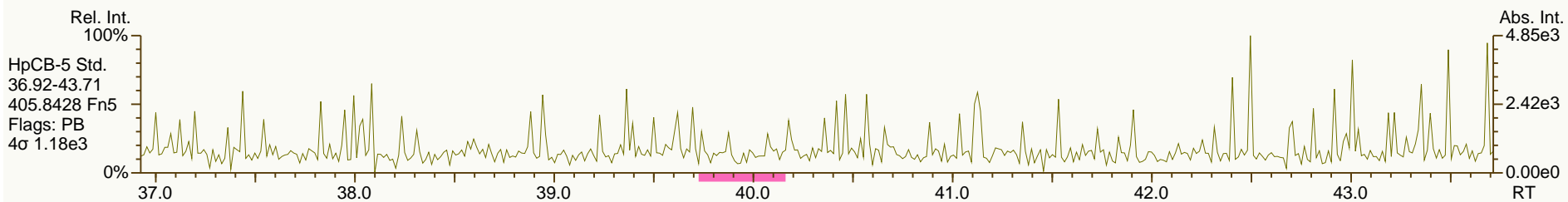
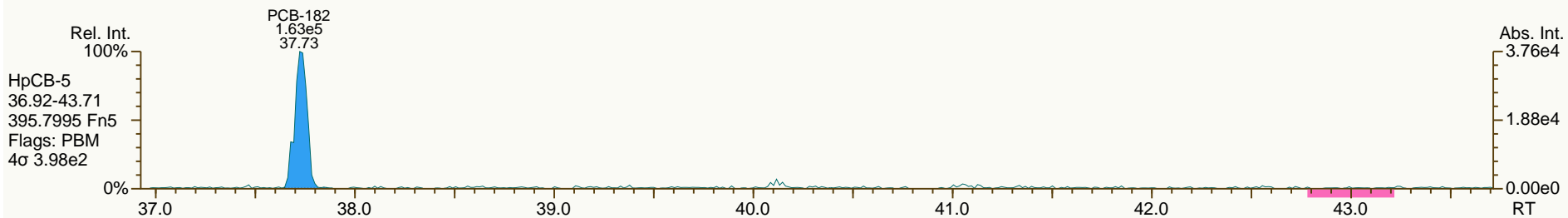
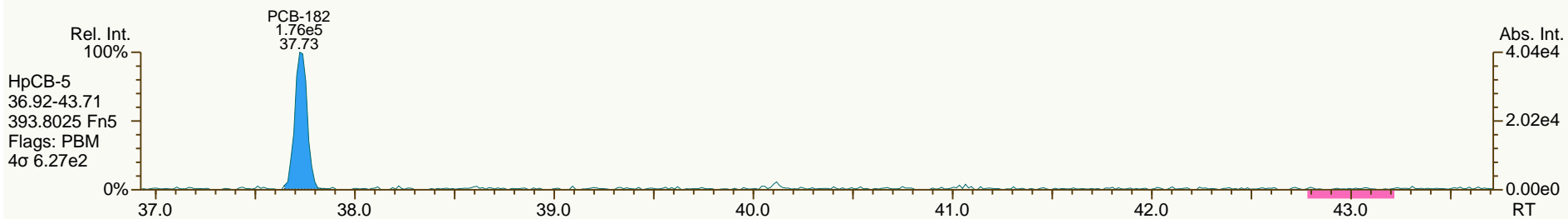
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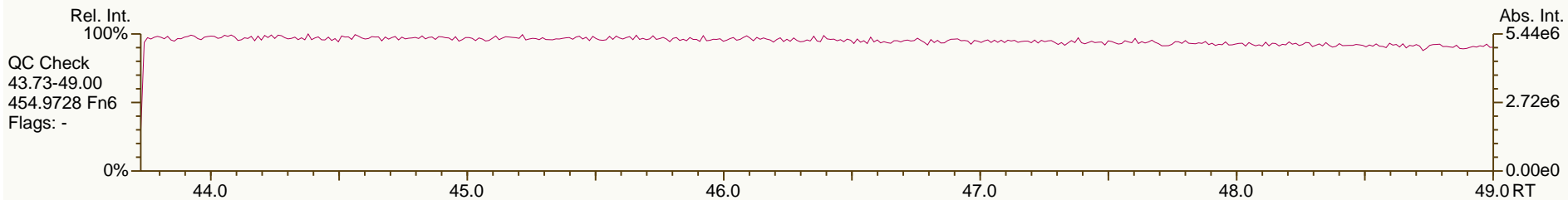
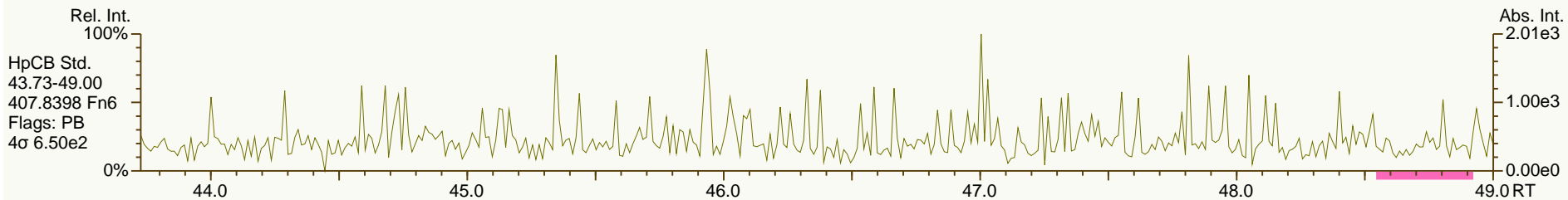
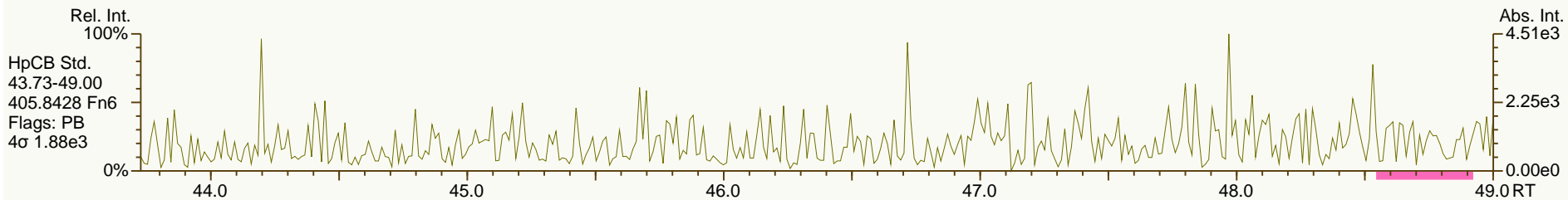
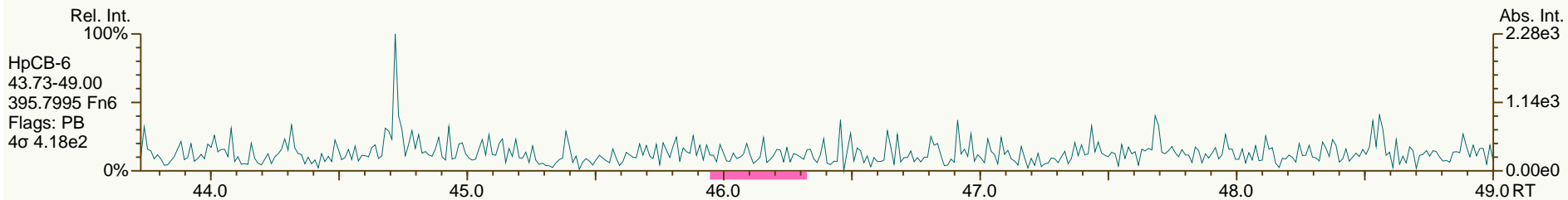
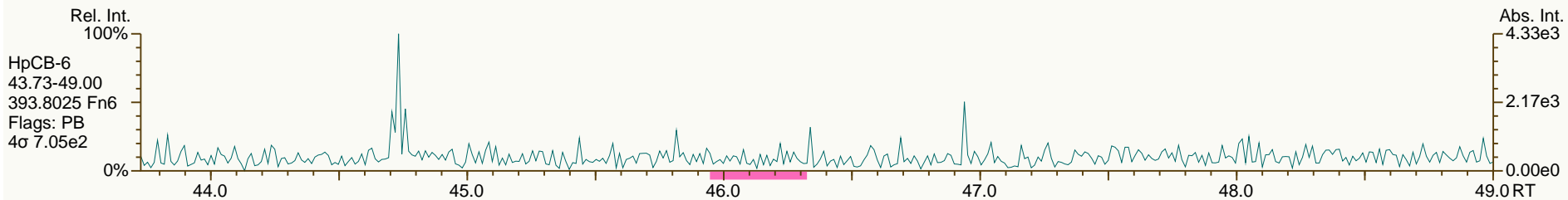
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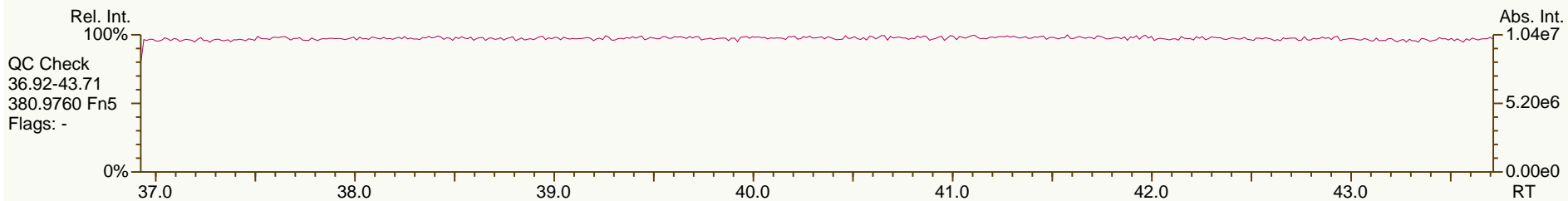
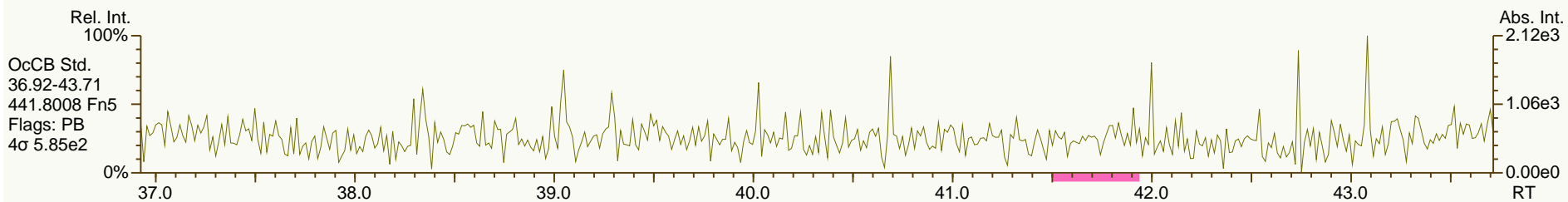
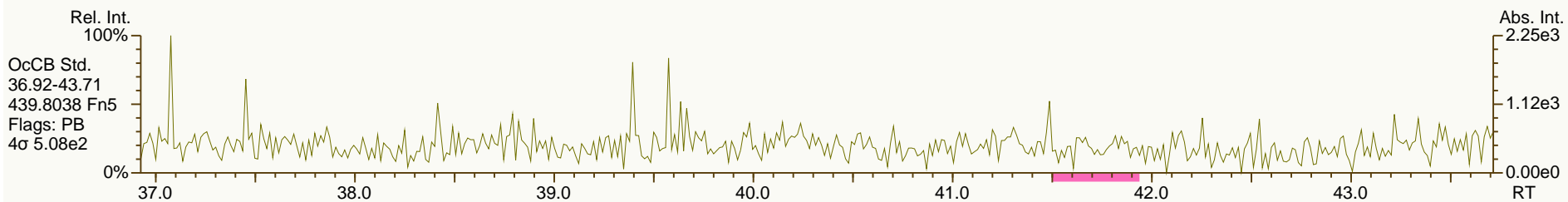
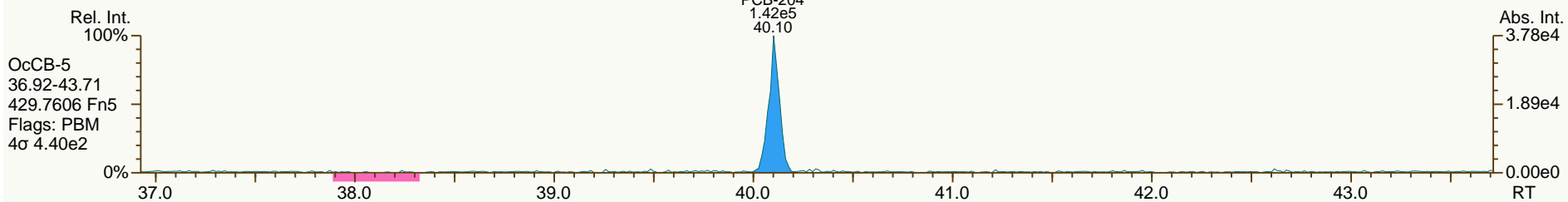
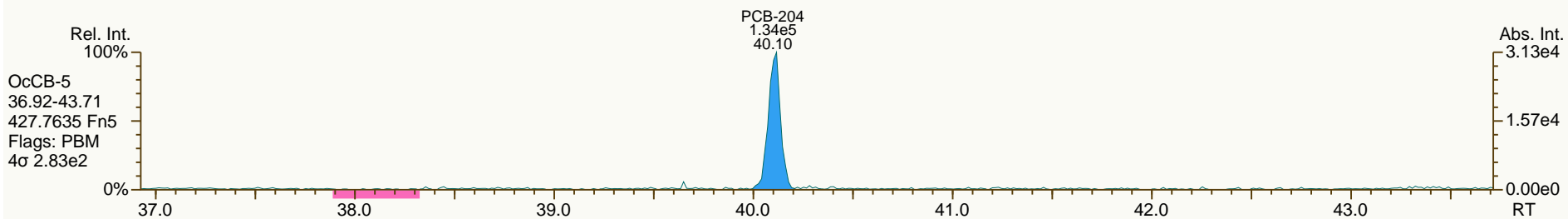
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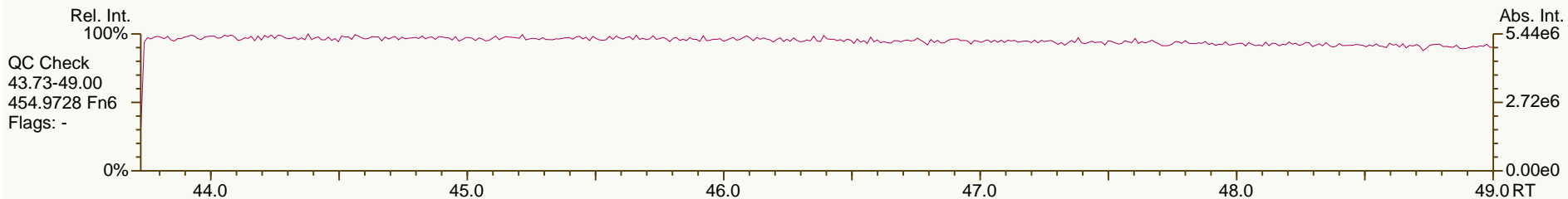
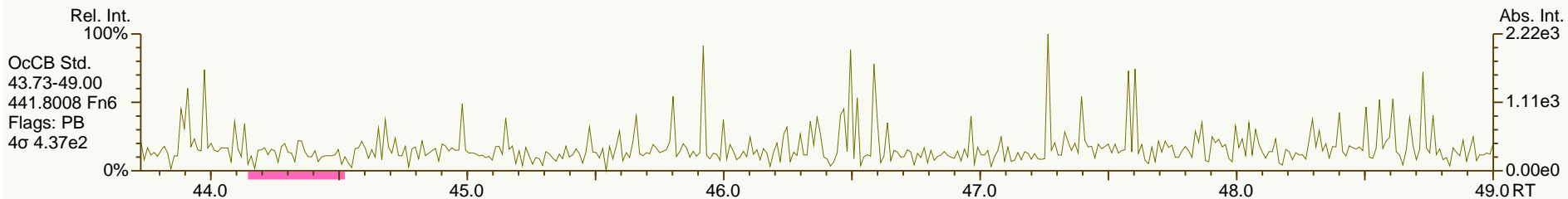
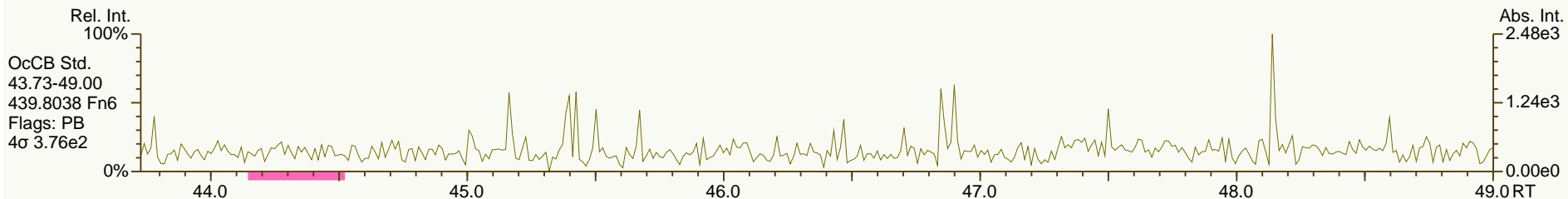
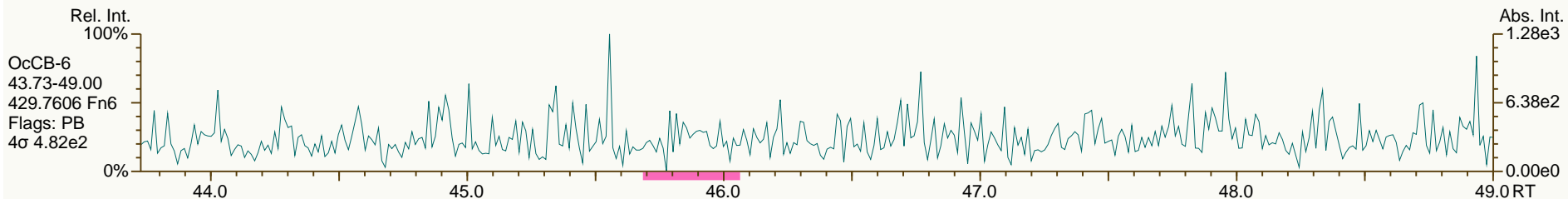
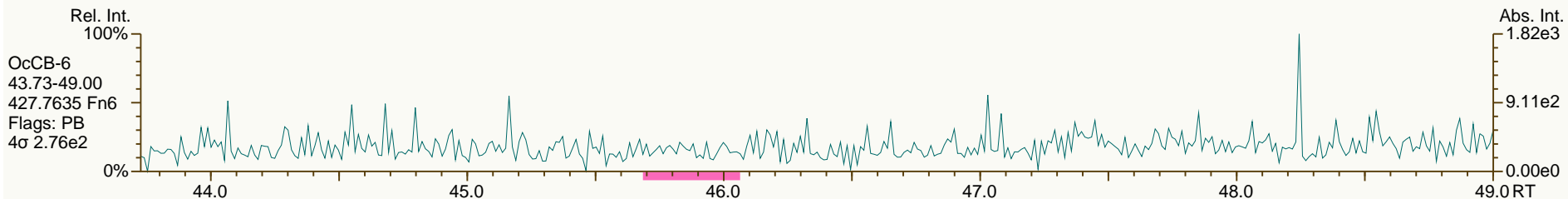
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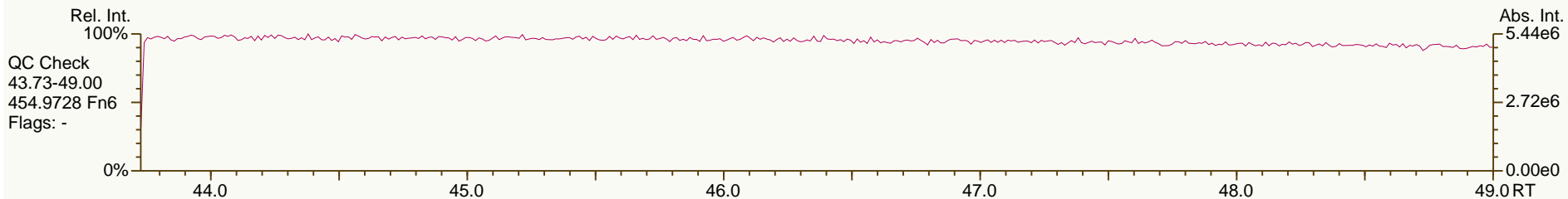
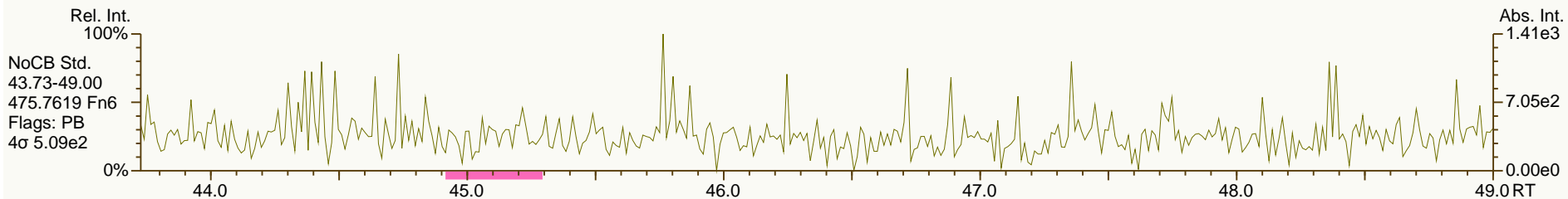
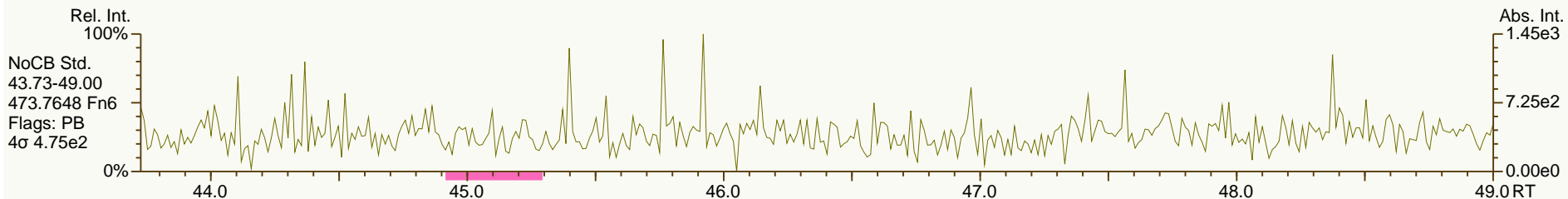
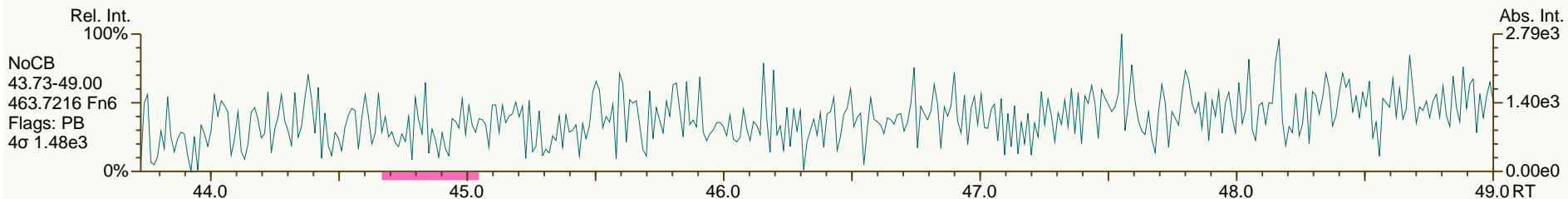
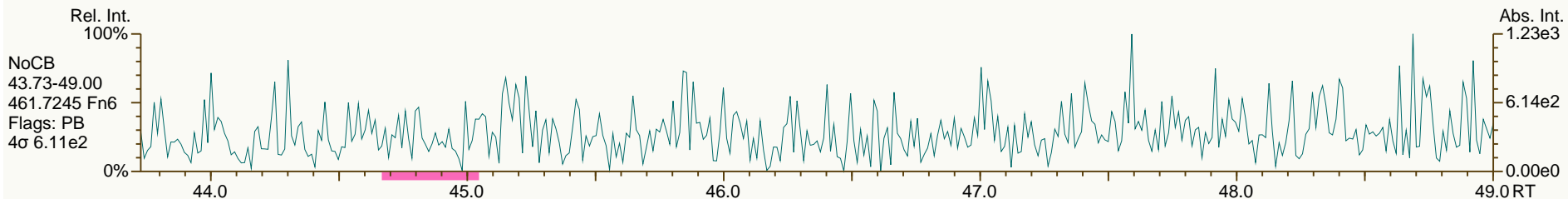
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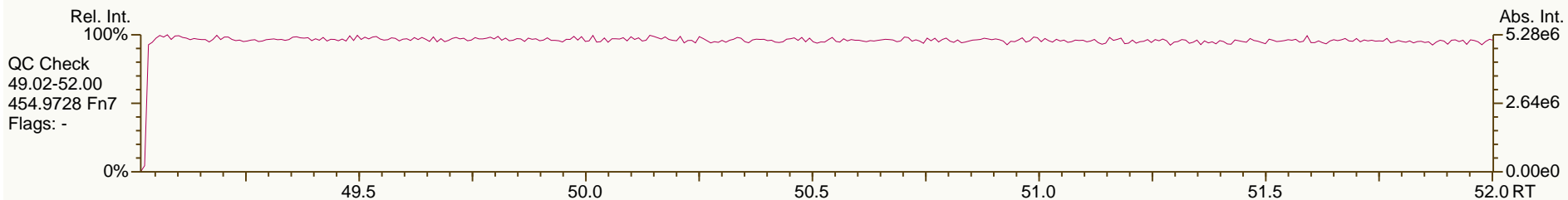
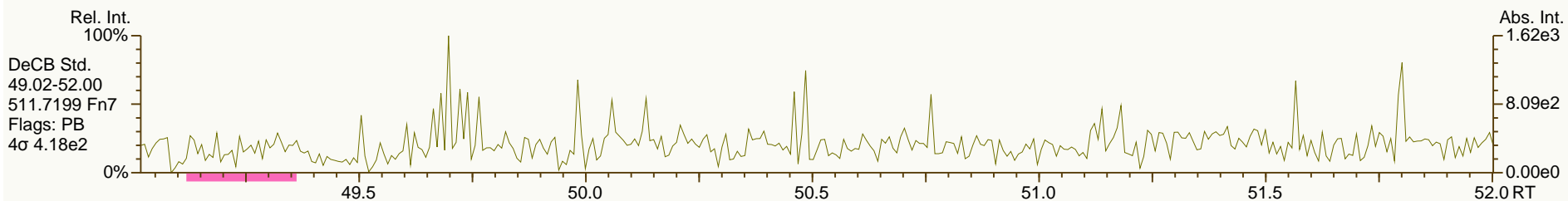
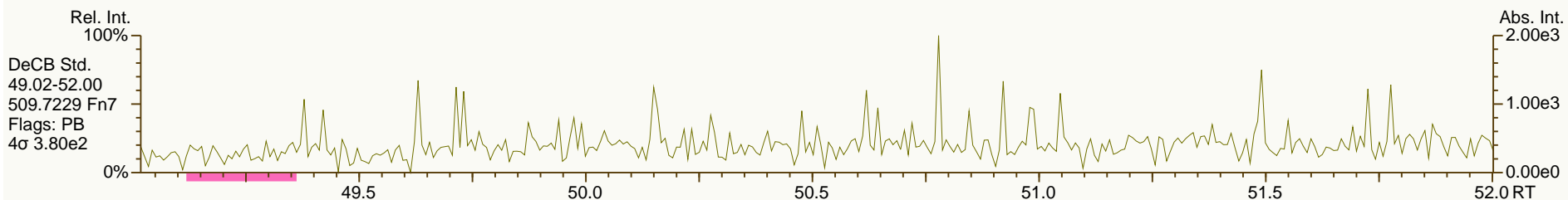
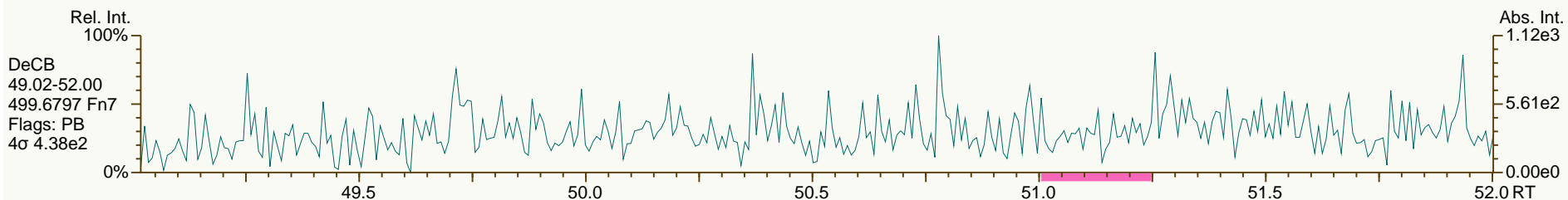
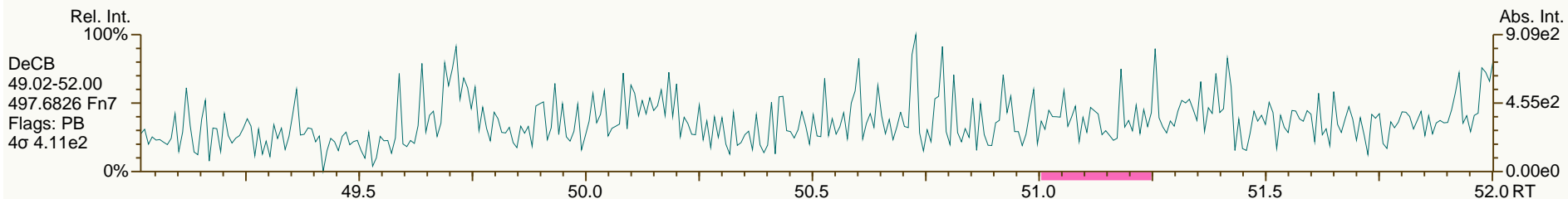
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 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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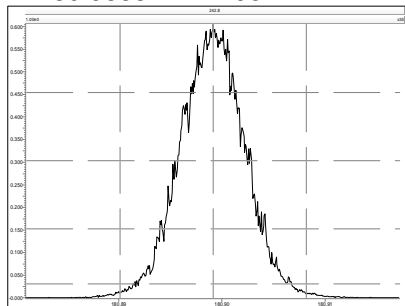
Experiment Calibration Report

MassLynx 4.1 SCN 881

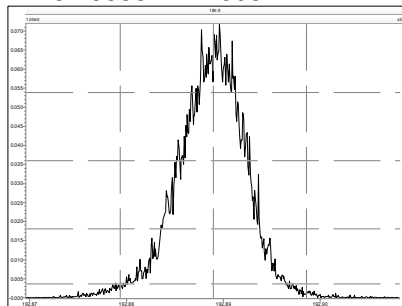
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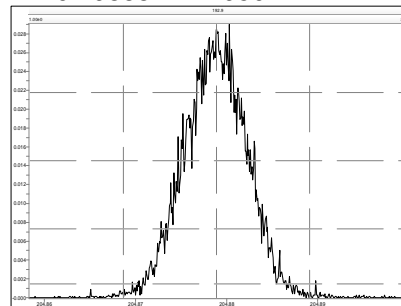
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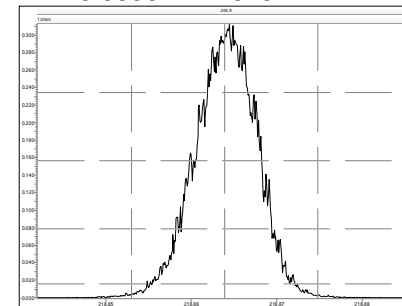
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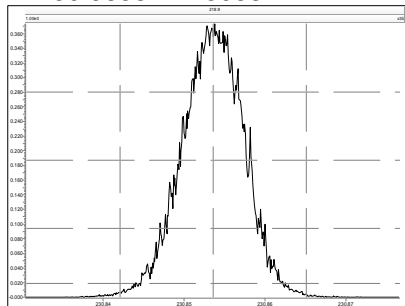
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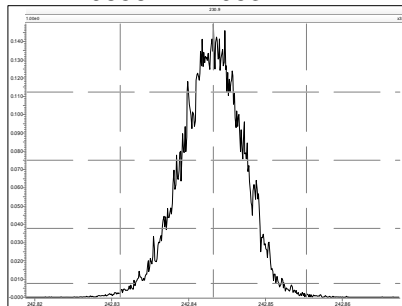
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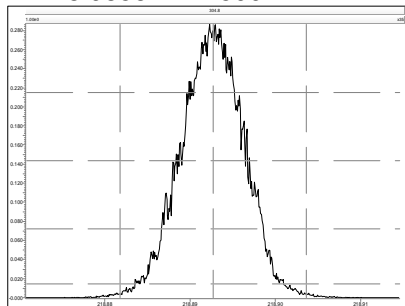
Experiment Calibration Report

MassLynx 4.1 SCN 881

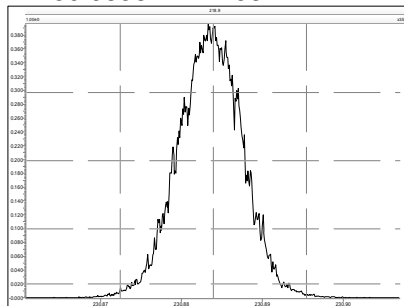
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 2 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:02:58 Eastern Daylight Time

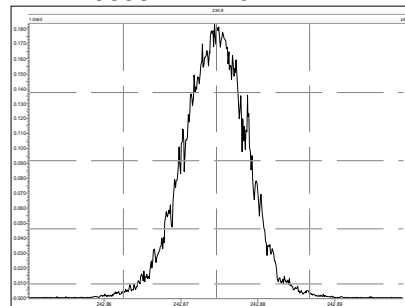
M 218.9856 R 12500



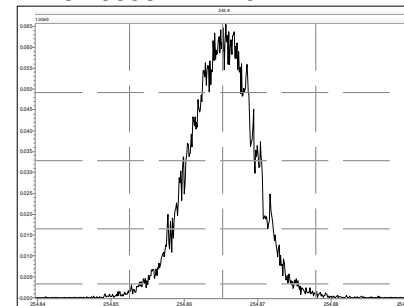
M 230.9856 R 12756



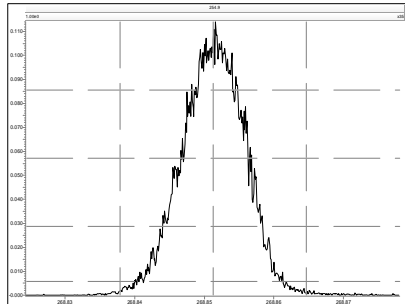
M 242.9856 R 12252



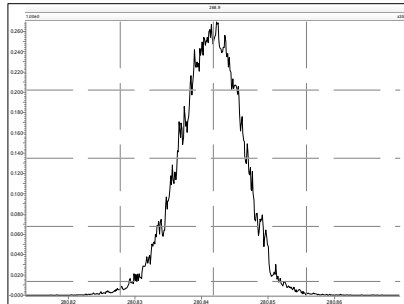
M 254.9856 R 12757



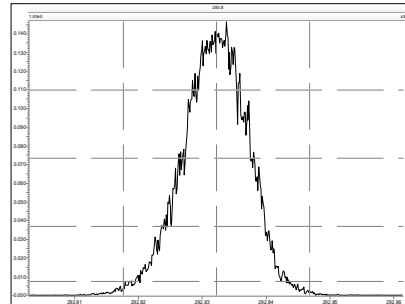
M 268.9824 R 13440



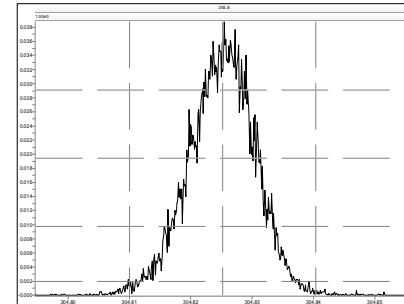
M 280.9824 R 12890



M 292.9824 R 12814



M 304.9824 R 11626



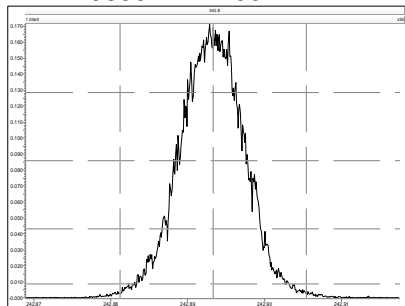
Experiment Calibration Report

MassLynx 4.1 SCN 881

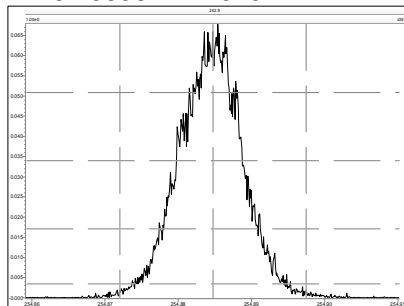
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 3 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:03:21 Eastern Daylight Time

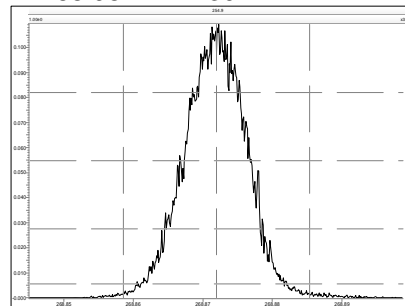
M 242.9856 R 12193



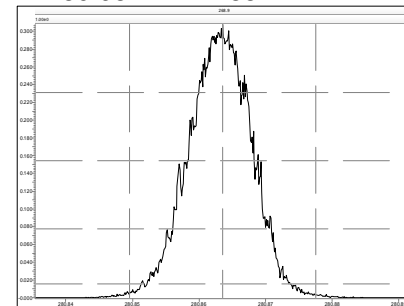
M 254.9856 R 12375



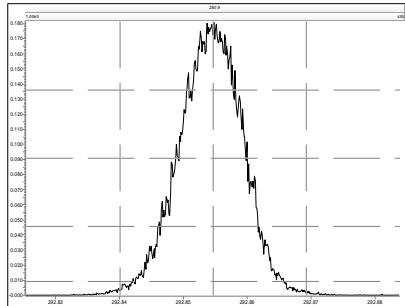
M 268.9824 R 13014



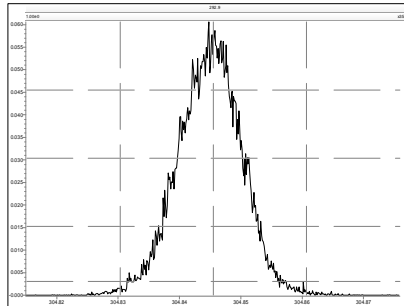
M 280.9824 R 12884



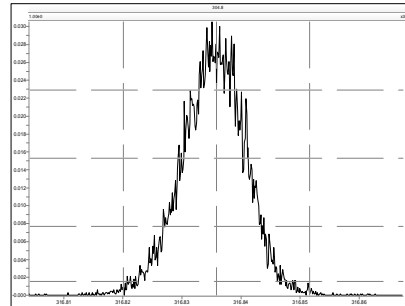
M 292.9824 R 12627



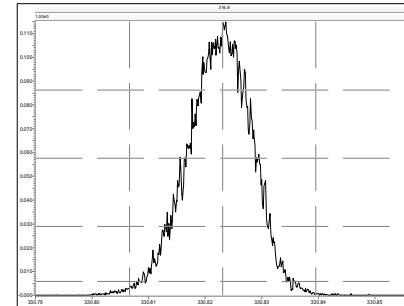
M 304.9824 R 12253



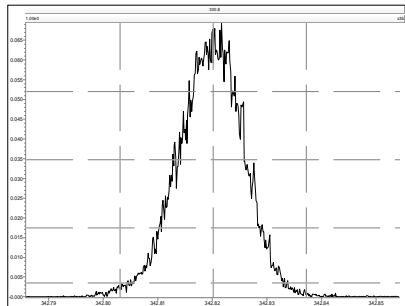
M 316.9824 R 13223



M 330.9792 R 12953



M 342.9792 R 12374



Experiment Calibration Report

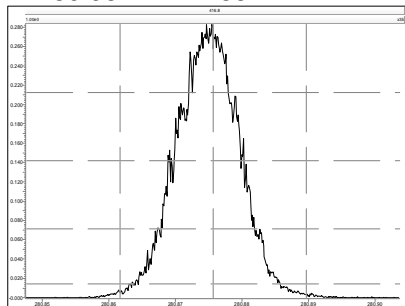
MassLynx 4.1 SCN 881

Page 1 of 1

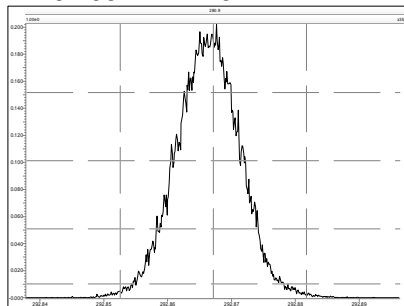
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 4 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:03:44 Eastern Daylight Time

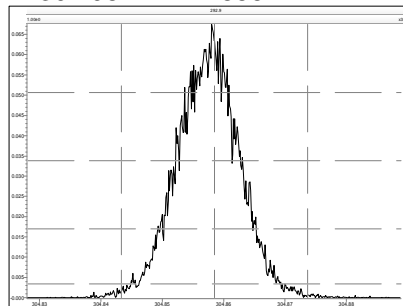
M 280.9824 R 12884



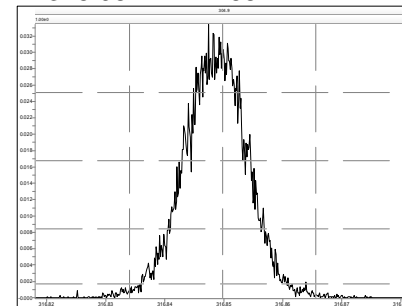
M 292.9824 R 12317



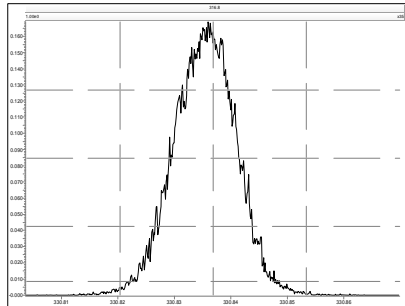
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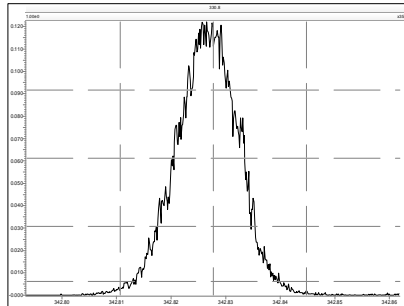
M 316.9824 R 12687



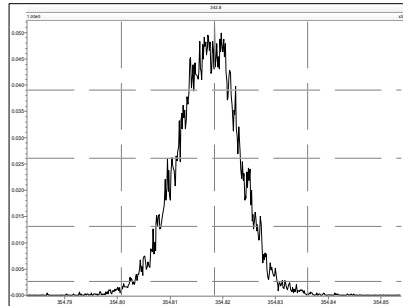
M 330.9792 R 12887



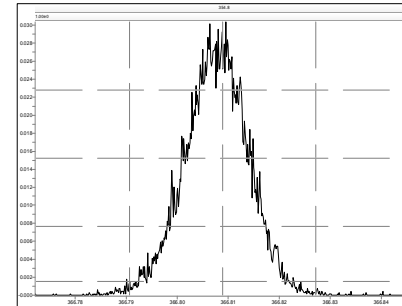
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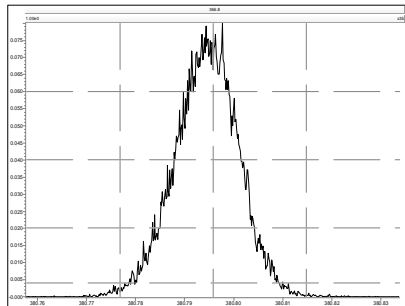
M 354.9792 R 13090



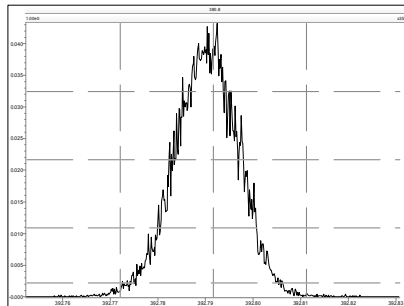
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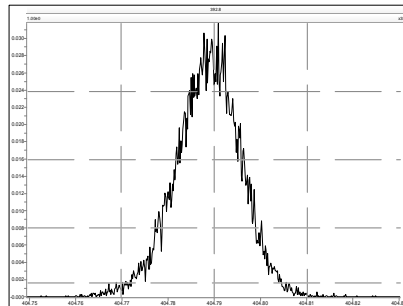
M 380.9760 R 12313



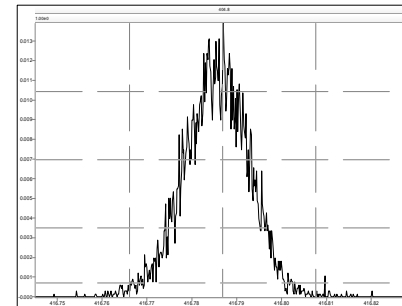
M 392.9760 R 12377



M 404.9760 R 12436



M 416.9760 R 13229



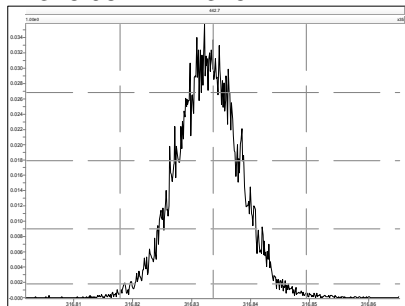
Experiment Calibration Report

MassLynx 4.1 SCN 881

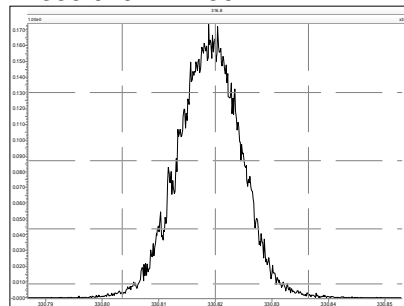
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 5 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:04:08 Eastern Daylight Time

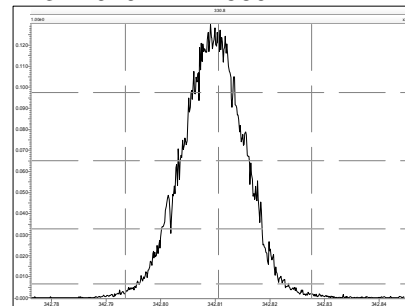
M 316.9824 R 13154



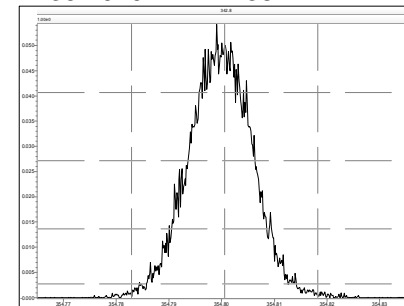
M 330.9792 R 13021



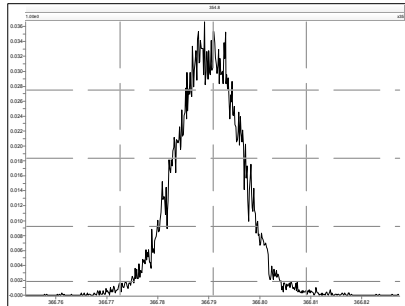
M 342.9792 R 12560



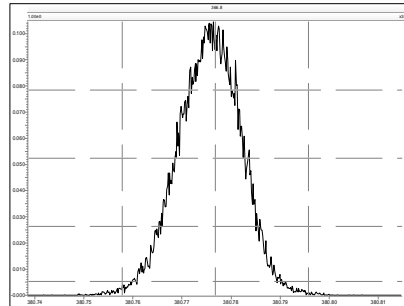
M 354.9792 R 12438



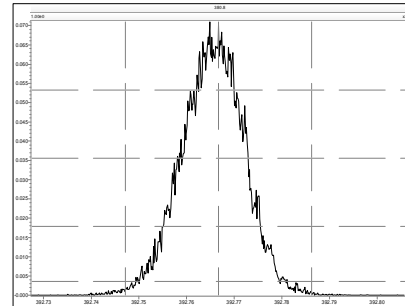
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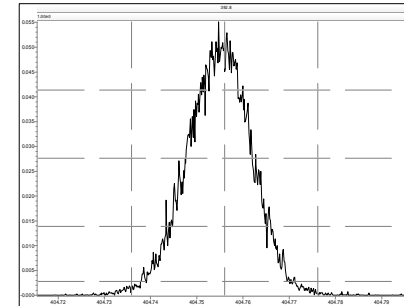
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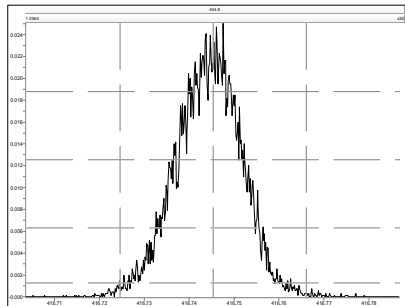
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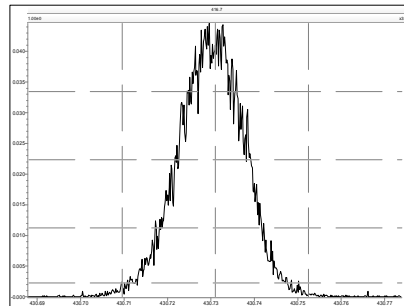
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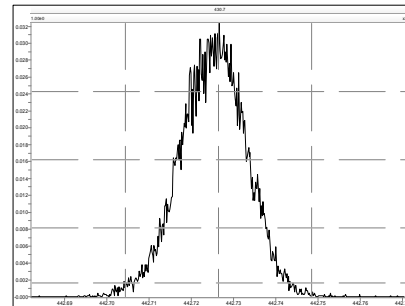
M 416.9760 R 12316



M 430.9728 R 11736



M 442.9728 R 12016



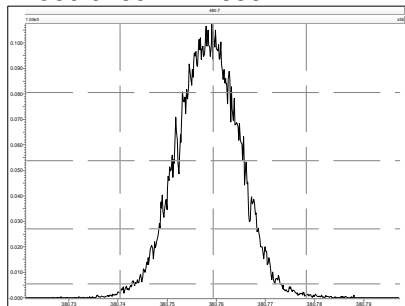
Experiment Calibration Report

MassLynx 4.1 SCN 881

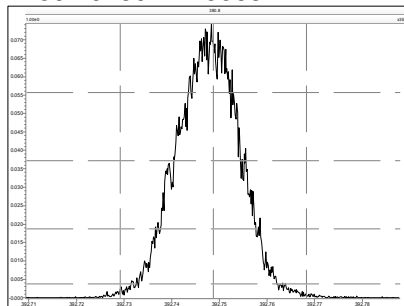
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 6 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:04:37 Eastern Daylight Time

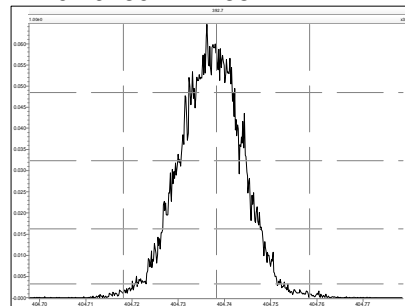
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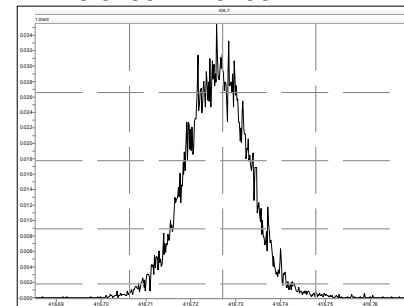
M 392.9760 R 13368



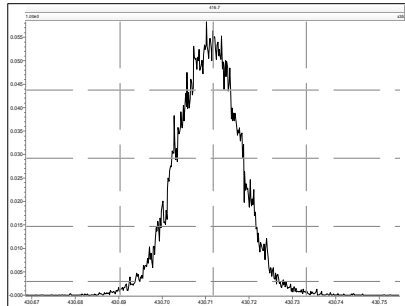
M 404.9760 R 12687



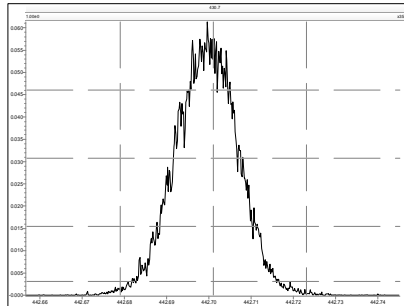
M 416.9760 R 13736



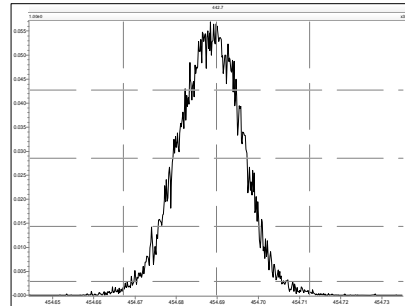
M 430.9728 R 13087



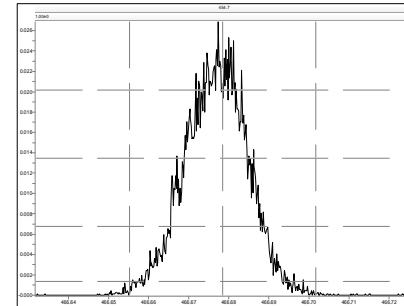
M 442.9728 R 12623



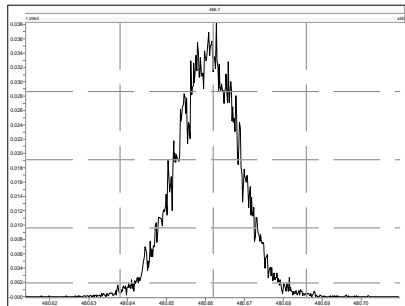
M 454.9728 R 12689



M 466.9728 R 13510



M 480.9696 R 12886



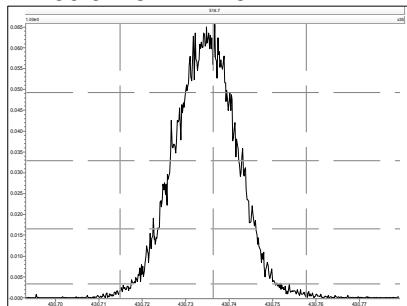
Experiment Calibration Report

MassLynx 4.1 SCN 881

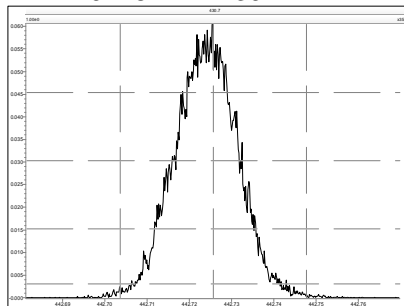
File: Experiment: pcb-2012-01.exp Reference: Pfk3.ref Function: 7 @ 200 (ppm)

Printed: Saturday, May 18, 2013 15:04:55 Eastern Daylight Time

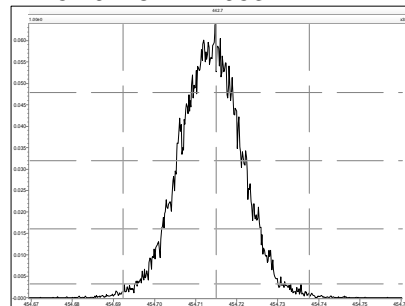
M 430.9728 R 12754



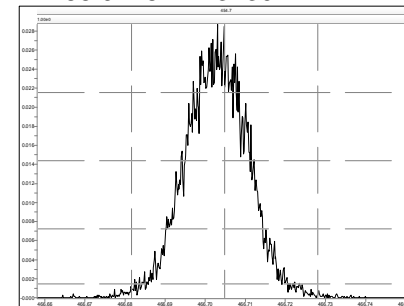
M 442.9728 R 12439



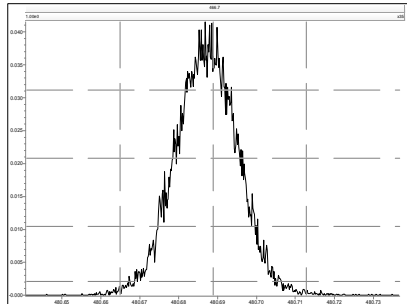
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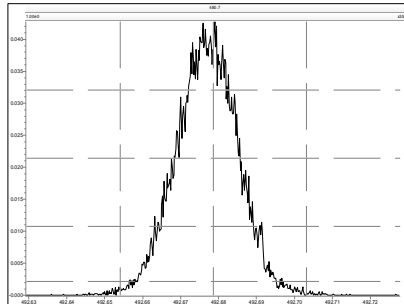
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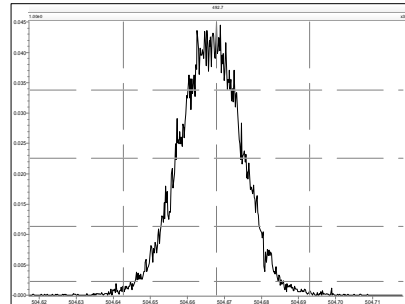
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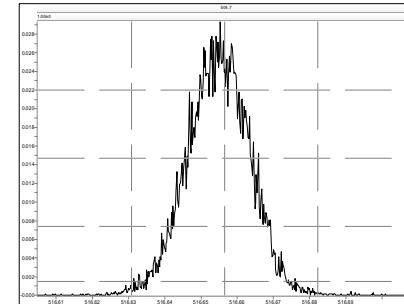
M 492.9696 R 13157



M 504.9696 R 12821



M 516.9697 R 13088

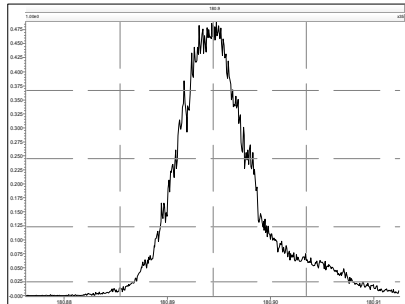


Resolution Check Report

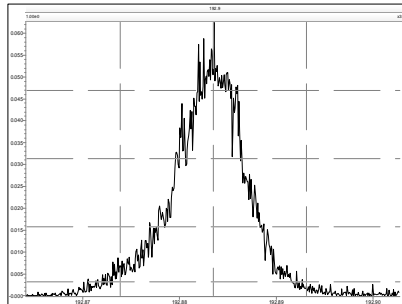
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

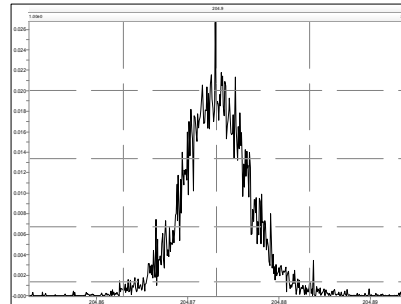
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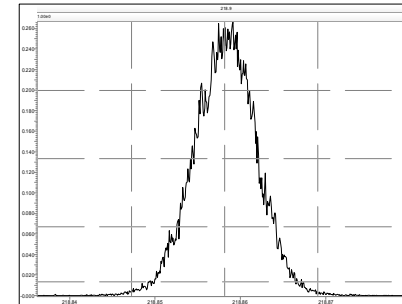
M 192.9888 R 9878



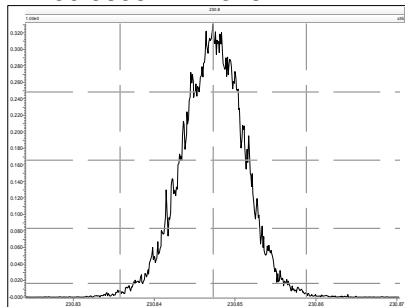
M 204.9888 R 13519



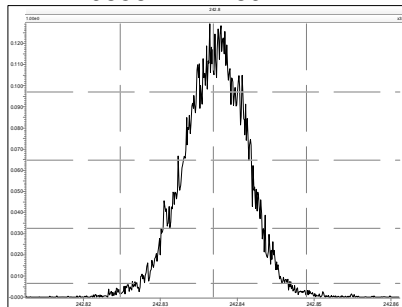
M 218.9856 R 13090



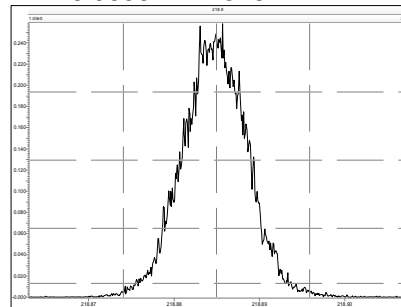
M 230.9856 R 12376



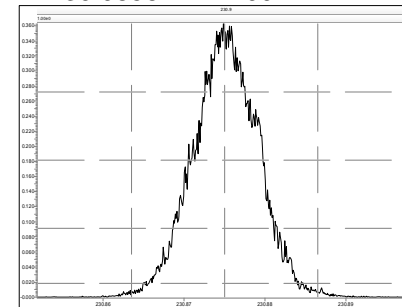
M 242.9856 R 12789



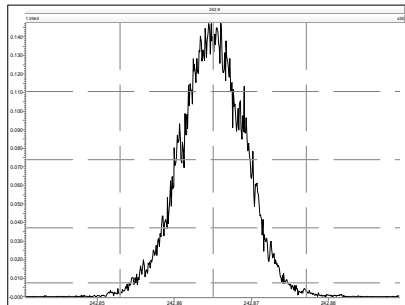
M 218.9856 R 12376



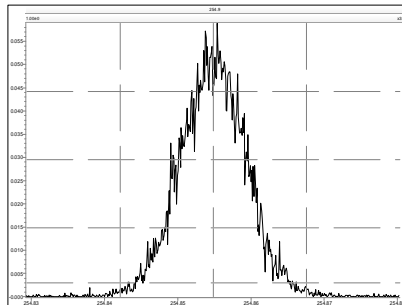
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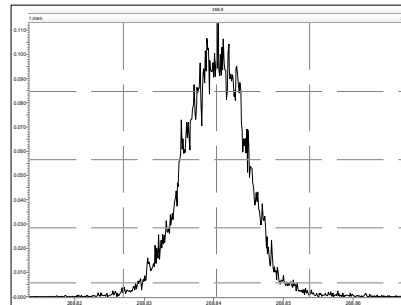
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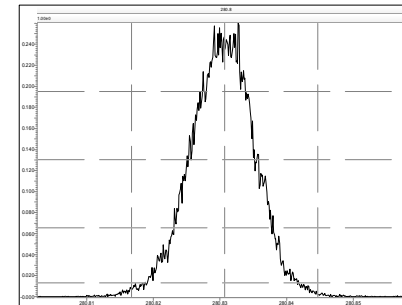
M 254.9856 R 12486



M 268.9824 R 12823



M 280.9824 R 12376



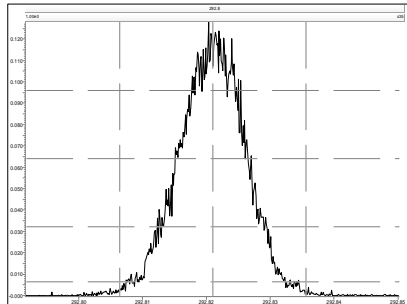
column bleed interfering w/ M/Zs 181 and 193 in end res plot. no impact on reported data. ajb 5/22/13

Resolution Check Report

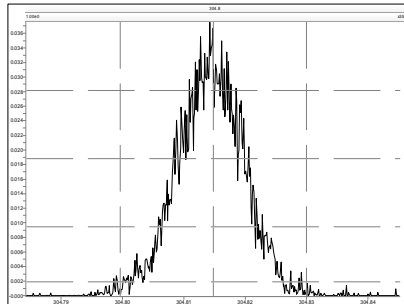
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

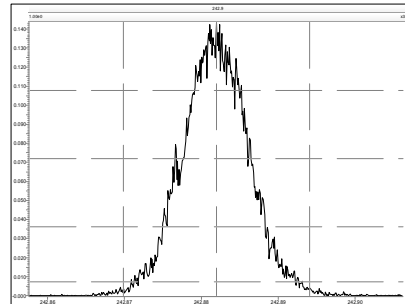
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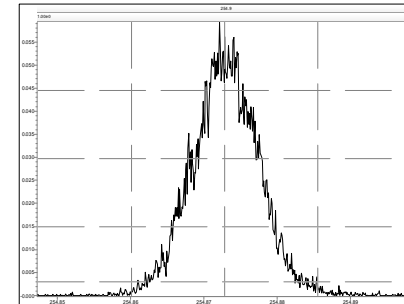
M 304.9824 R 12531



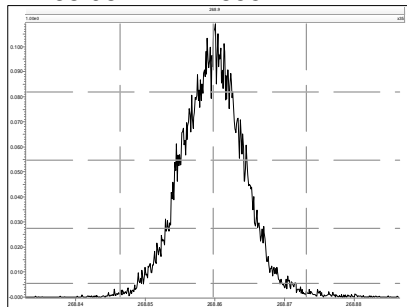
M 242.9856 R 12202



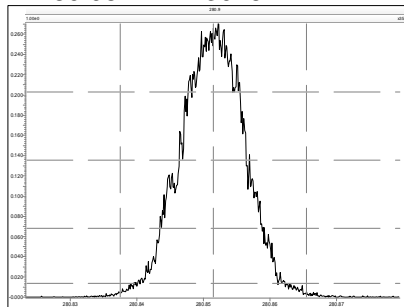
M 254.9856 R 12442



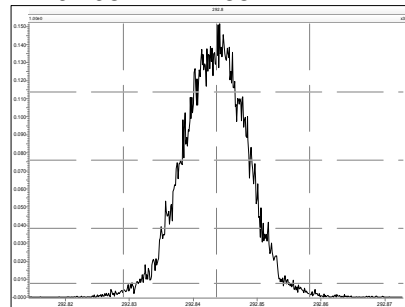
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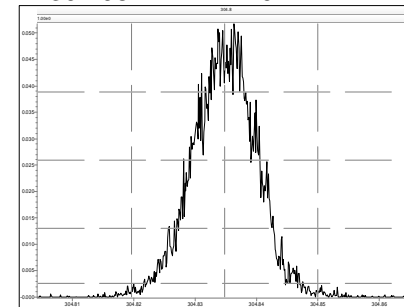
M 280.9824 R 13026



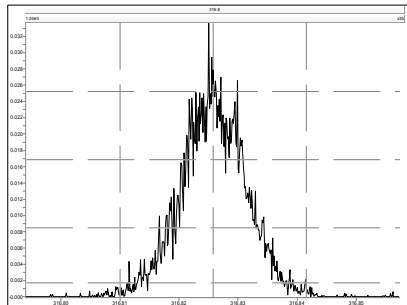
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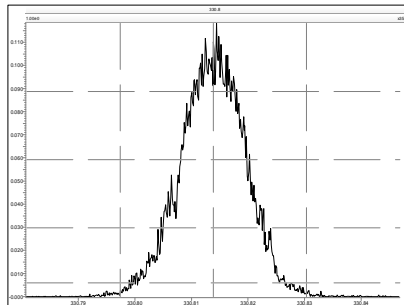
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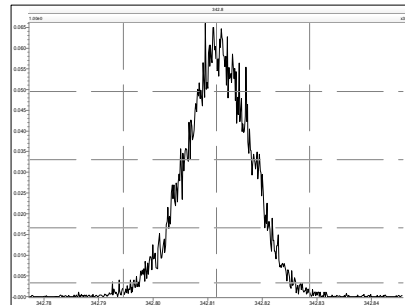
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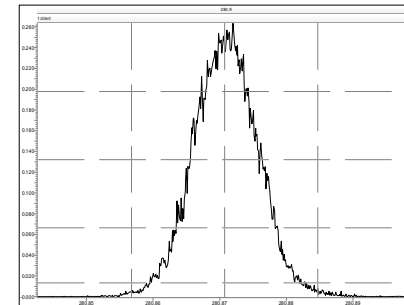
M 330.9792 R 12442



M 342.9792 R 12628



M 280.9824 R 12077

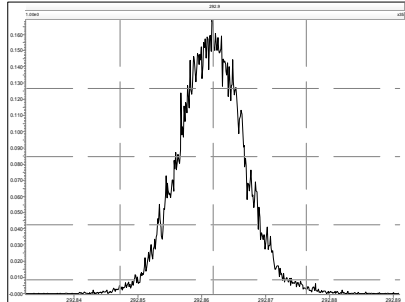


Resolution Check Report

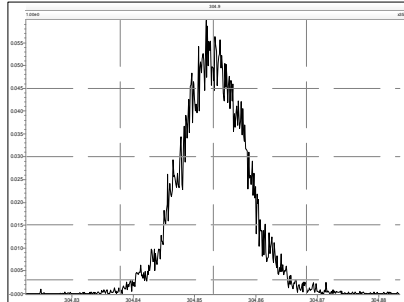
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

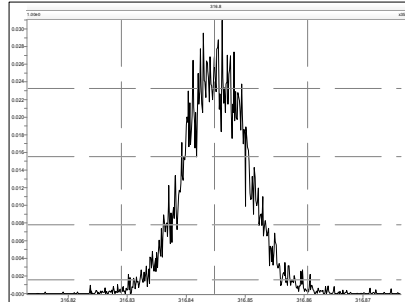
M 292.9824 R 12603



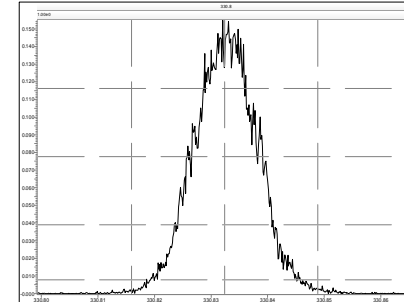
M 304.9824 R 12345



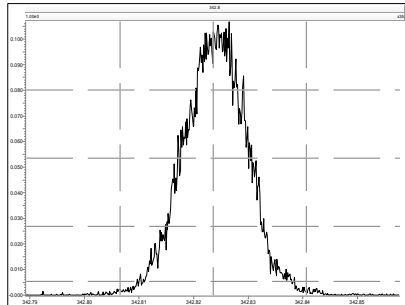
M 316.9824 R 13791



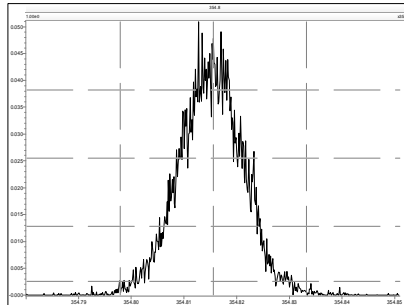
M 330.9792 R 12836



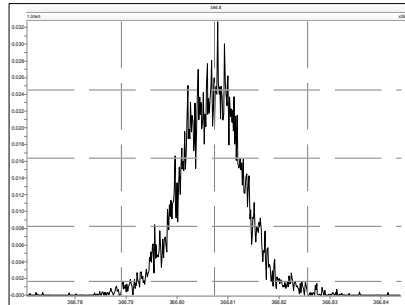
M 342.9792 R 12726



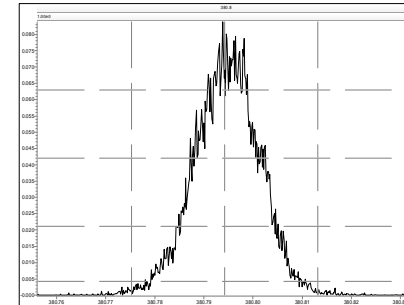
M 354.9792 R 13080



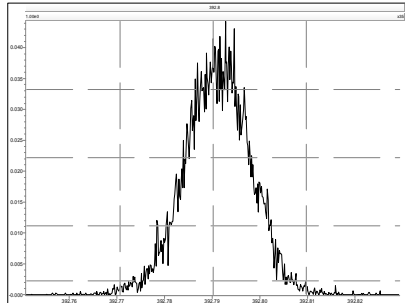
M 366.9792 R 13958



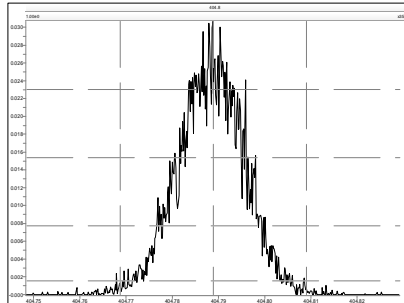
M 380.9760 R 12658



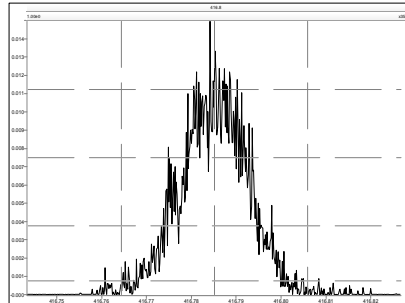
M 392.9760 R 13867



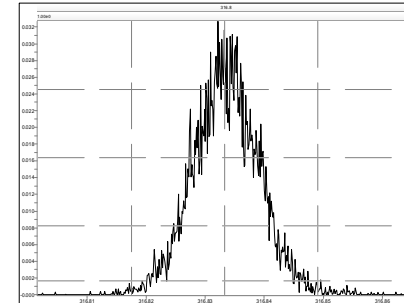
M 404.9760 R 12372



M 416.9760 R 13192



M 316.9824 R 13228

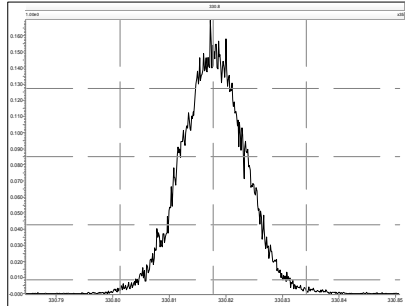


Resolution Check Report

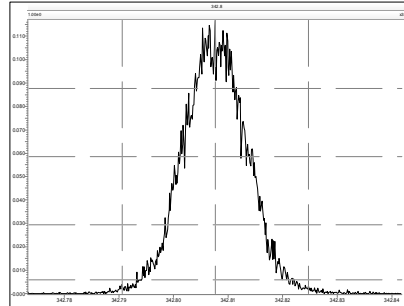
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

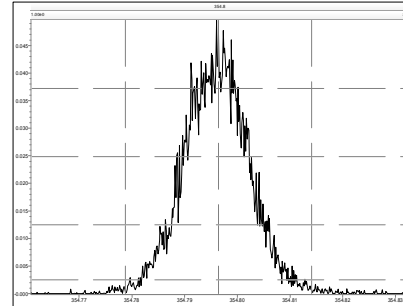
M 330.9792 R 12502



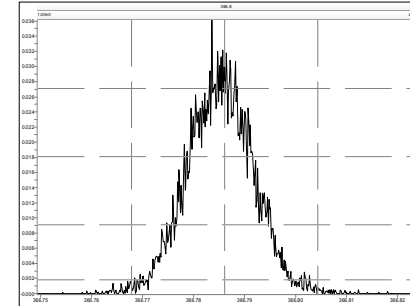
M 342.9792 R 12695



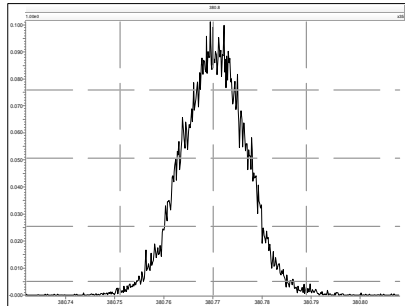
M 354.9792 R 13368



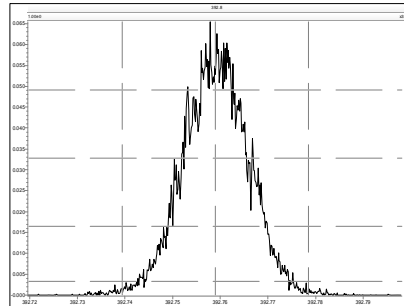
M 366.9792 R 12921



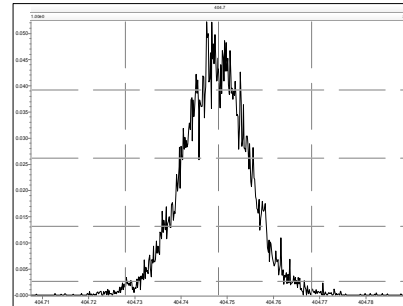
M 380.9760 R 12724



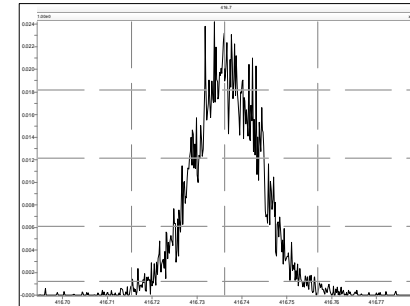
M 392.9760 R 12726



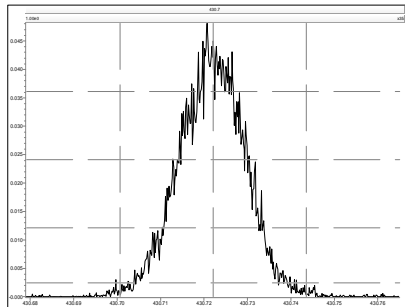
M 404.9760 R 12732



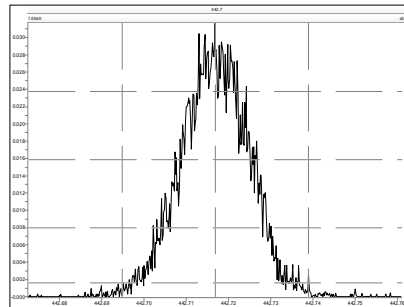
M 416.9760 R 13055



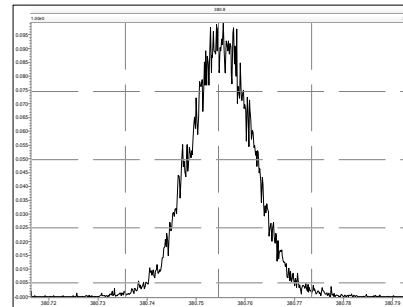
M 430.9728 R 12077



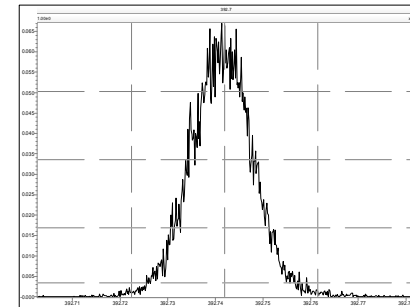
M 442.9728 R 12969



M 380.9760 R 12438



M 392.9760 R 12863

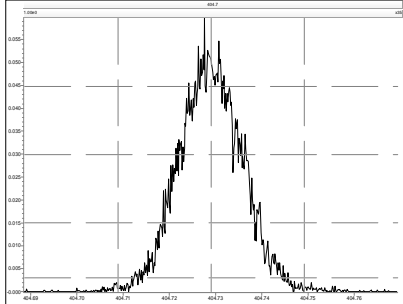


Resolution Check Report

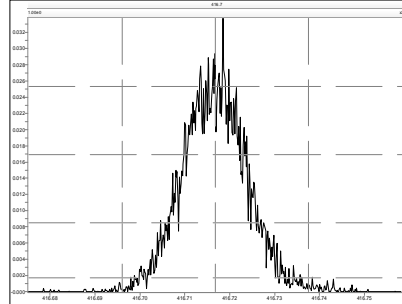
MassLynx 4.1 SCN 881

Printed: Saturday, May 18, 2013 23:32:59 Eastern Daylight Time

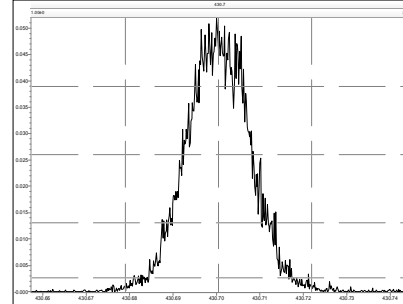
M 404.9760 R 12991



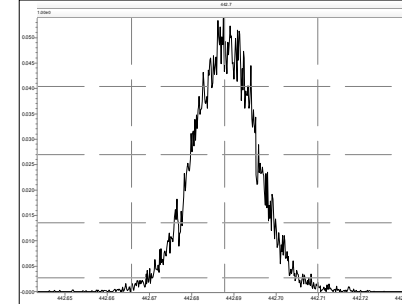
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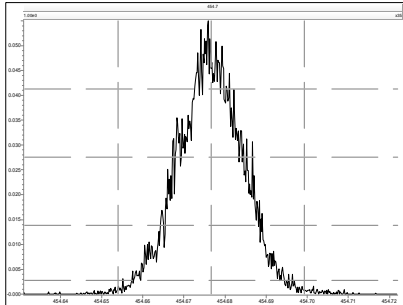
M 430.9728 R 12760



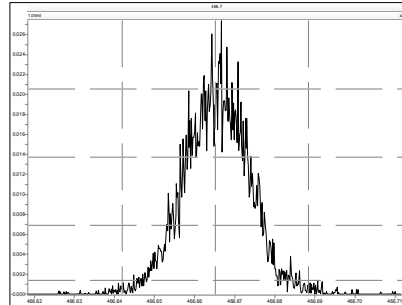
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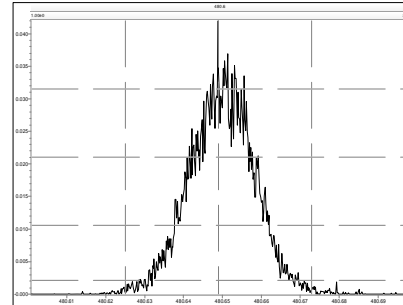
M 454.9728 R 12565



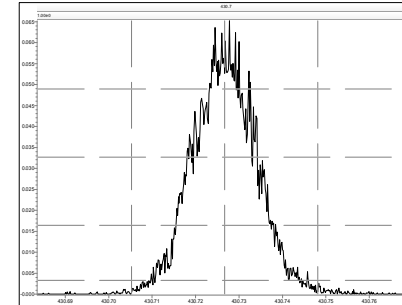
M 466.9728 R 14250



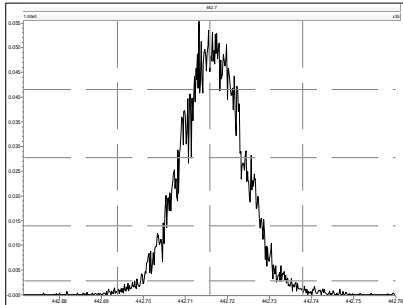
M 480.9696 R 13021



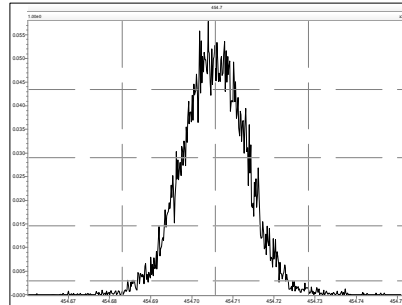
M 430.9728 R 12991



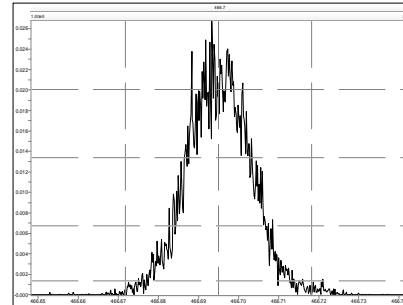
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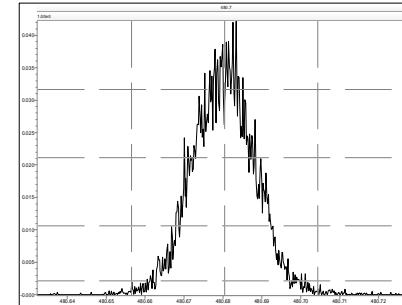
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M 466.9728 R 14287



M 480.9696 R 13776



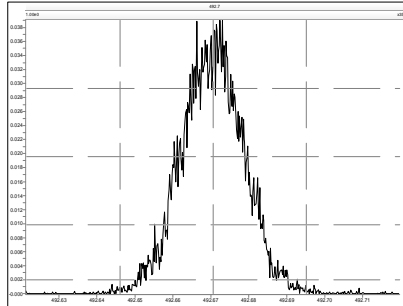
Resolution Check Report

MassLynx 4.1 SCN 881

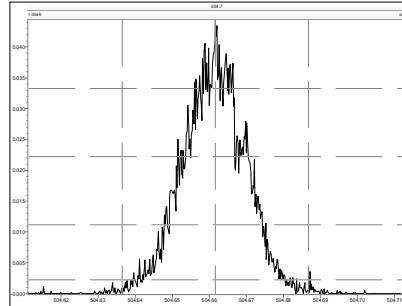
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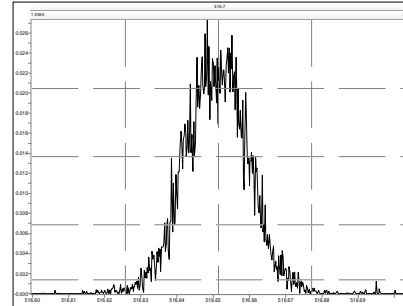
M 492.9696 R 13741



M 504.9696 R 13337



M 516.9697 R 13646



Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 13-Feb-2013										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06	
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13	
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03	
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14	
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06	
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03	
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31	
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19	
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23	
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18	
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45	
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39	
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05	
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04	
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00	
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08	
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10	
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23	
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01	
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81	
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11	
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98	
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98	
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32	
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50	
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38	
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29	
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09	
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98	
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives					Processed: 14 Feb 2013 09:42		
ICAL: MM1_11012010A_DF_13FEB2013				0.50	1.00	5.00	50	400	2000
Name		Mean	% RSD	#REF!	CS1	CS2	CS3	CS4	CS5
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	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
	#REF!	#DIV/0!	#DIV/0!						
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ES									
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8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED
By Michael D H Chu at 10:46 am, Feb 14, 2013

APPROVED
By Jeremy Kadylak at 1:25 pm, Feb 14, 2013

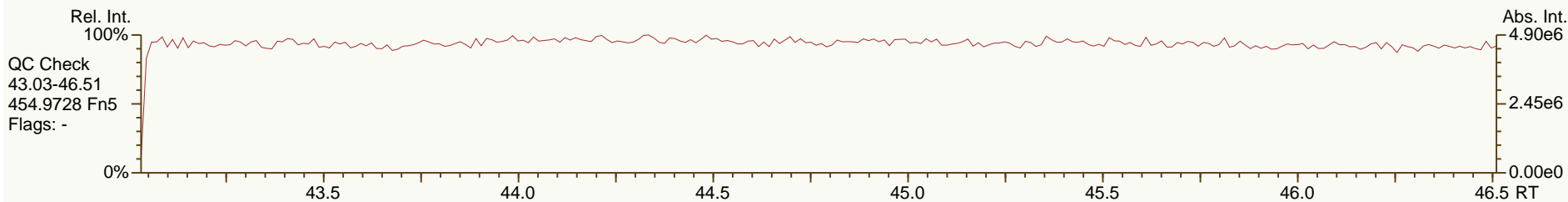
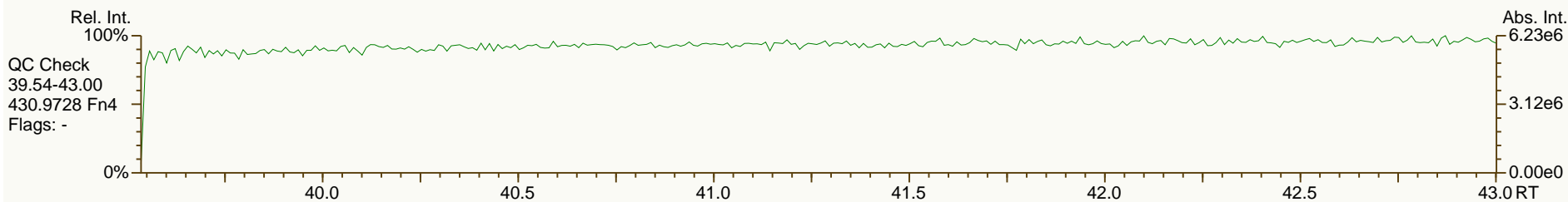
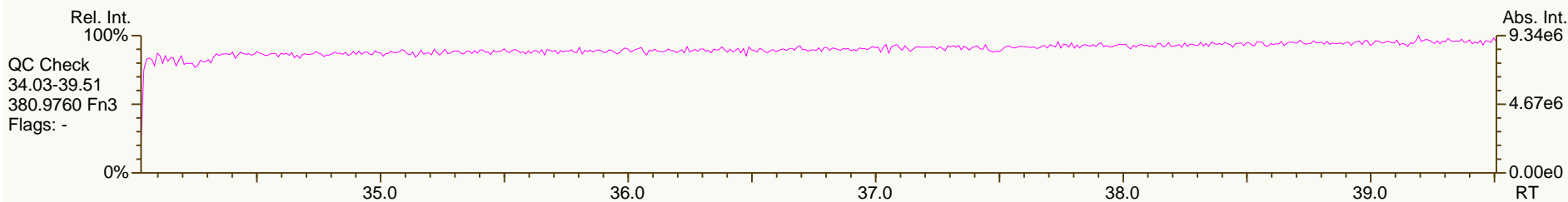
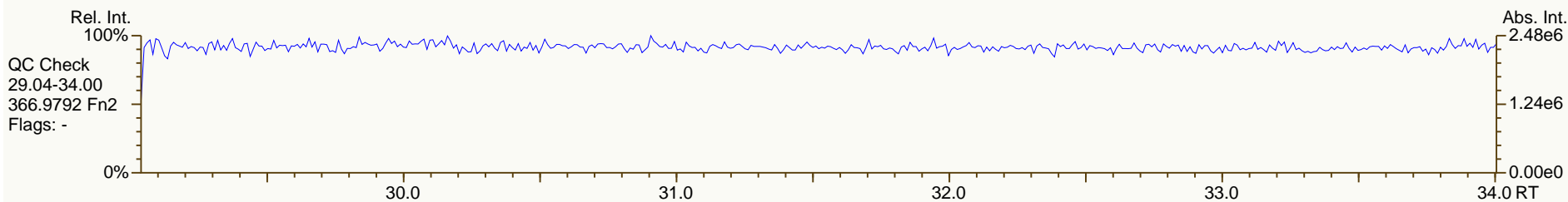
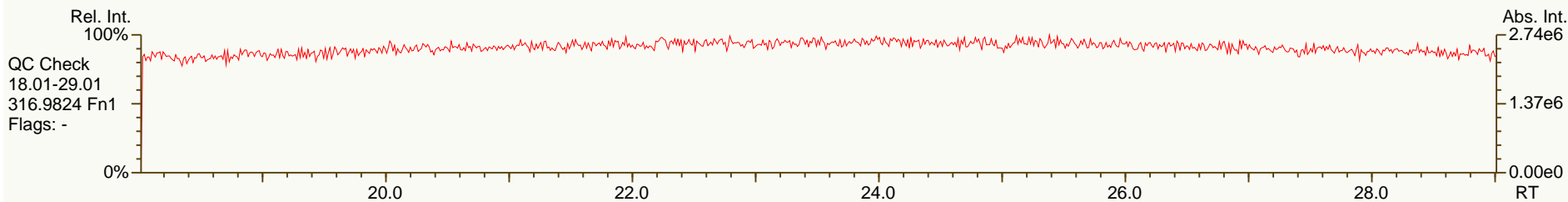
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880-ZMH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

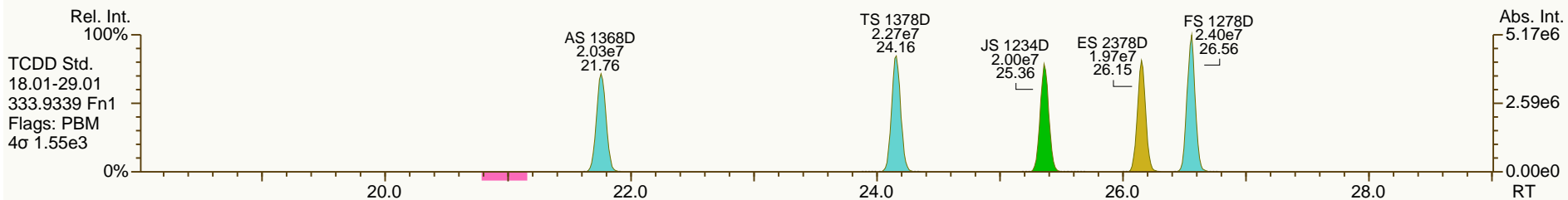
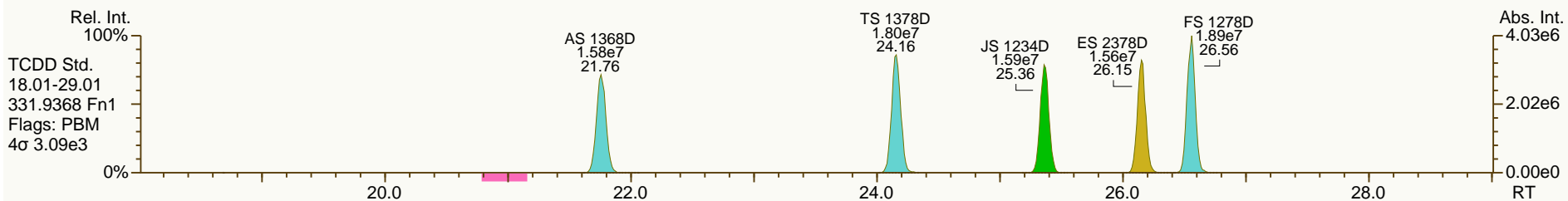
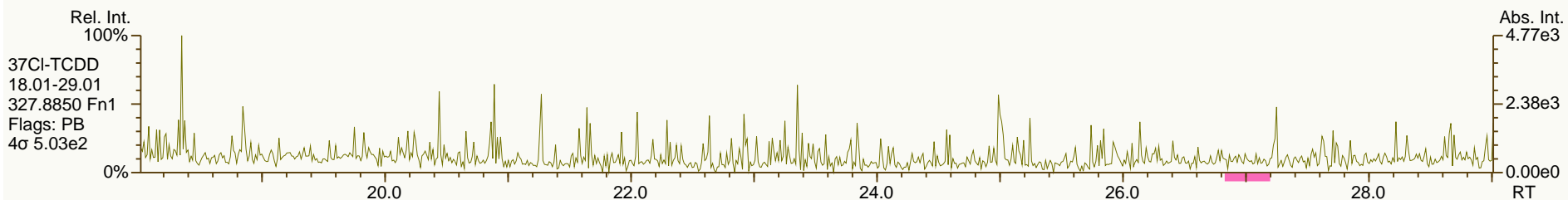
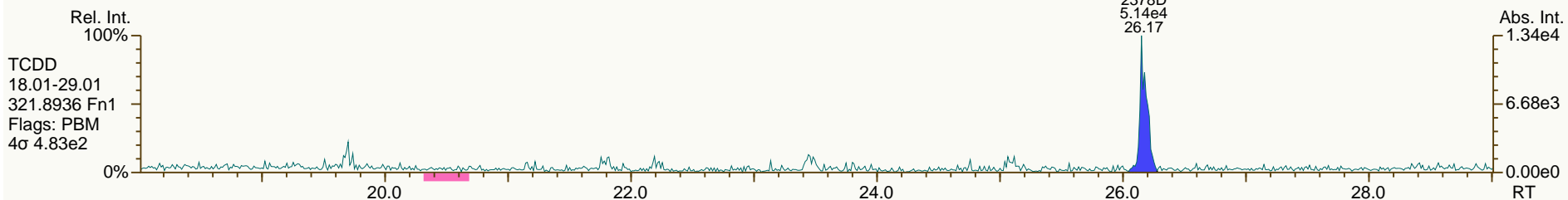
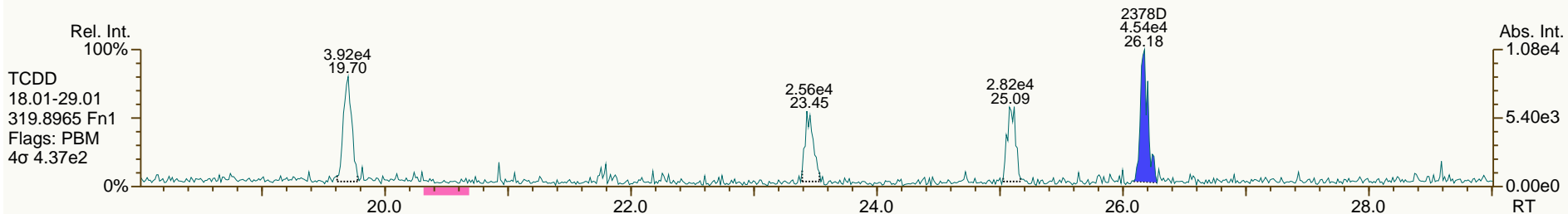
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User: MDC Datafile: 130213P2-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

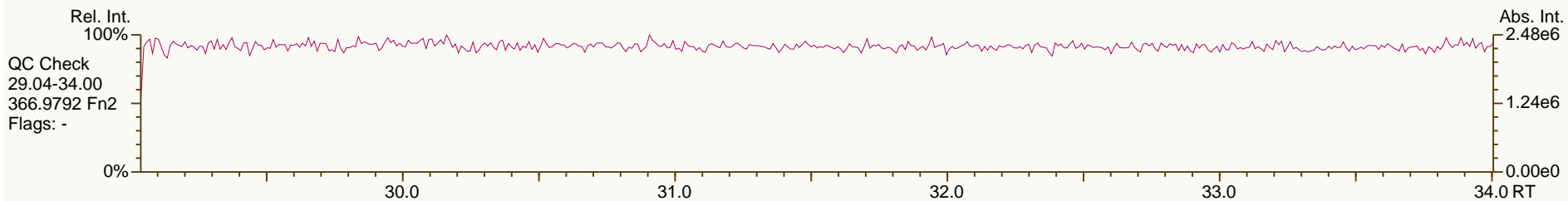
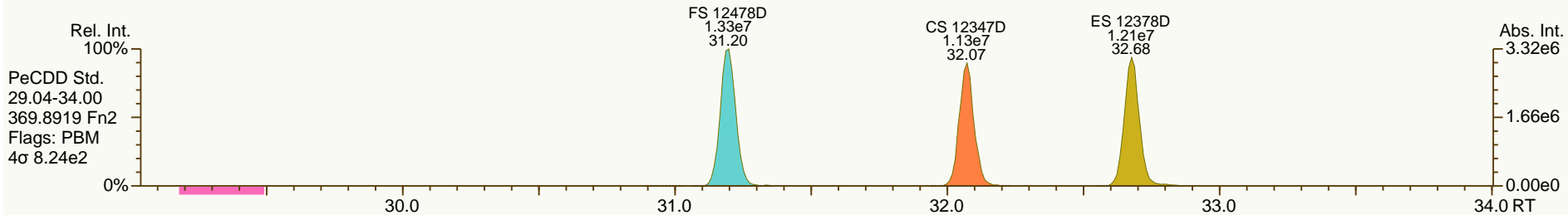
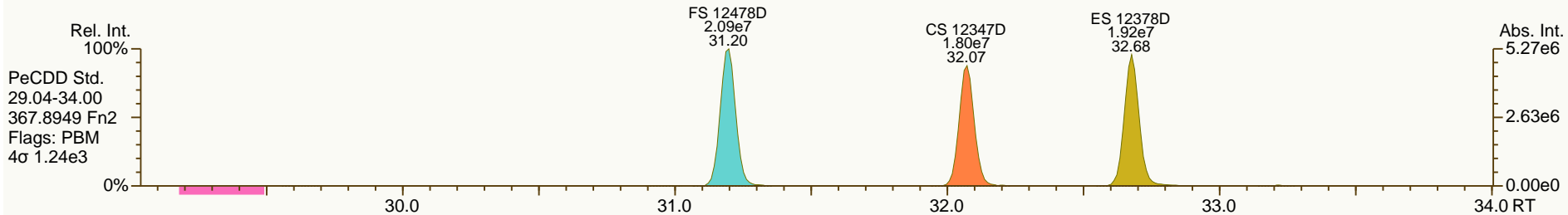
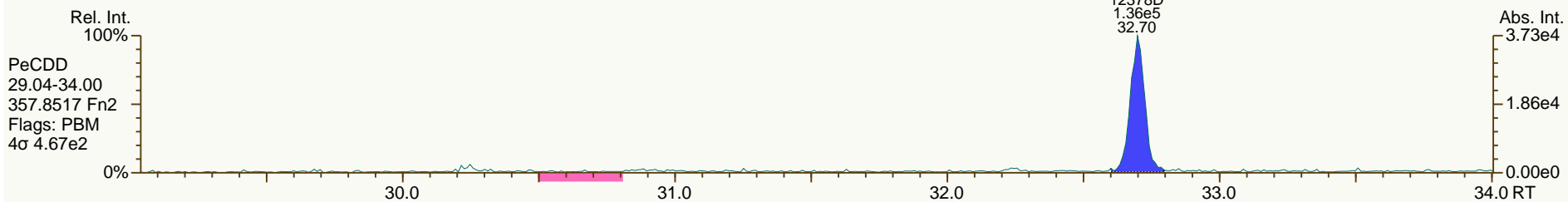
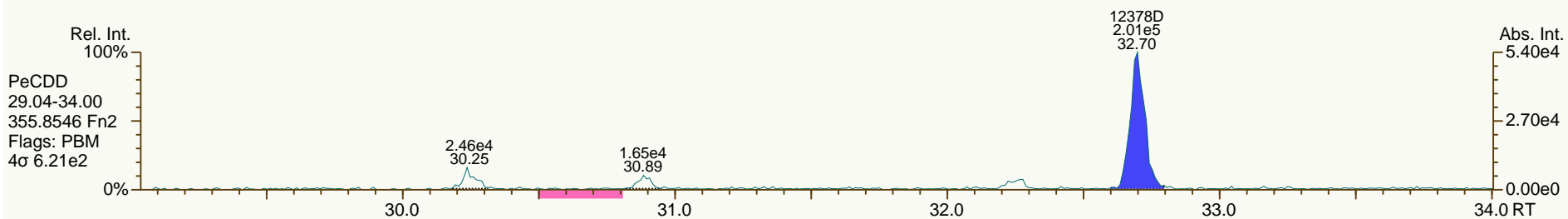
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

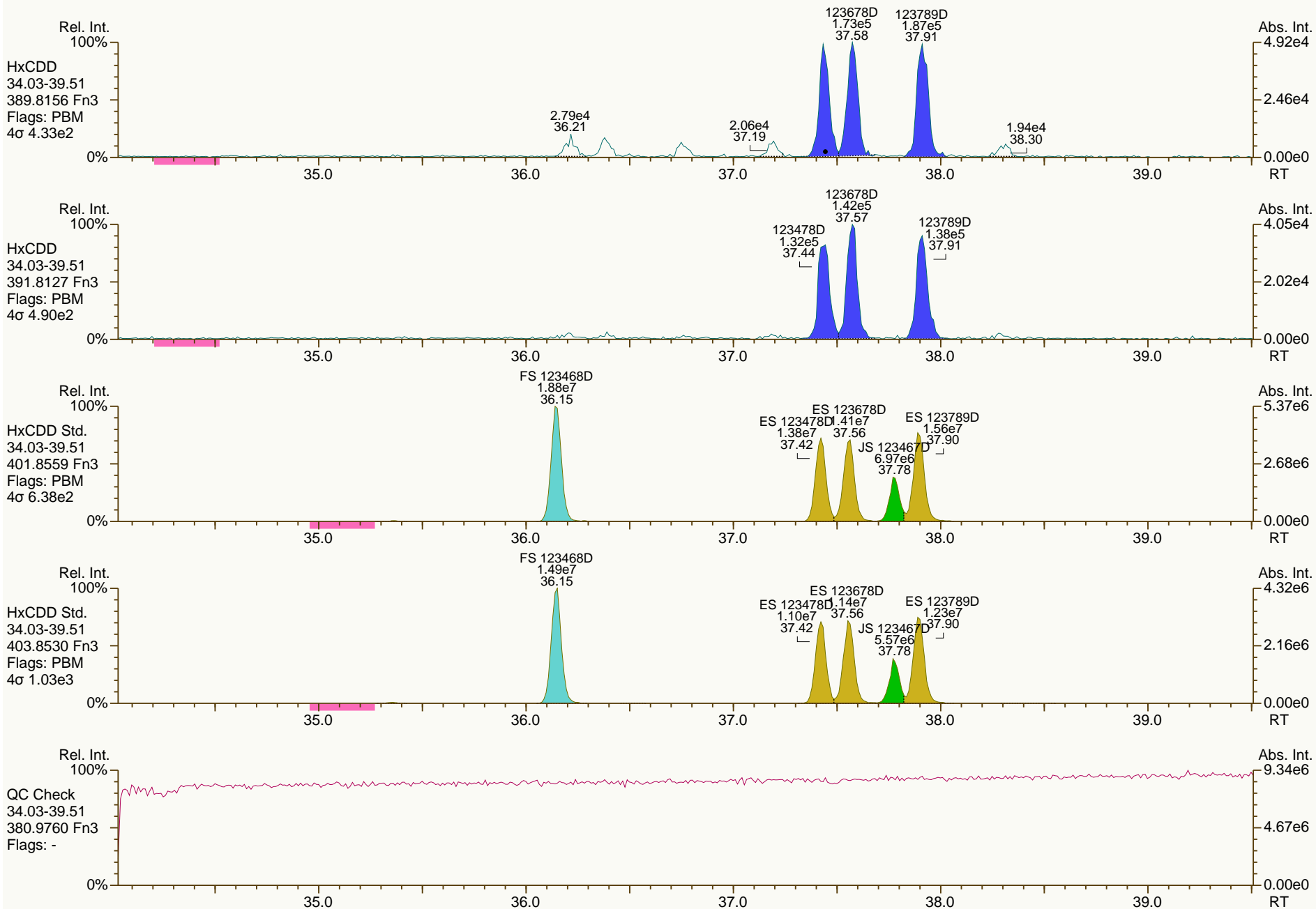
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

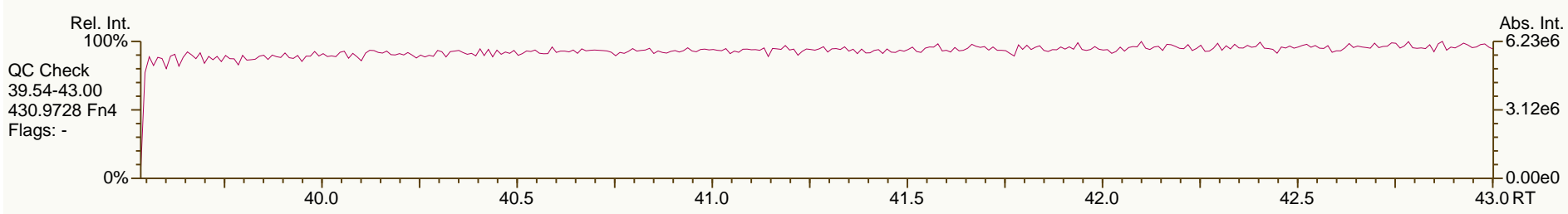
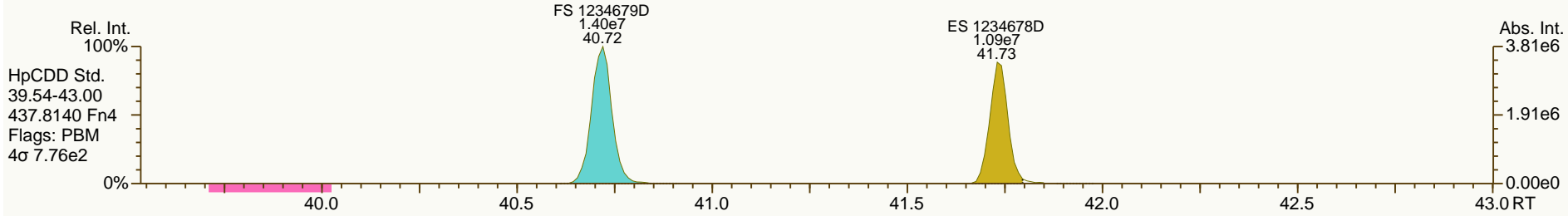
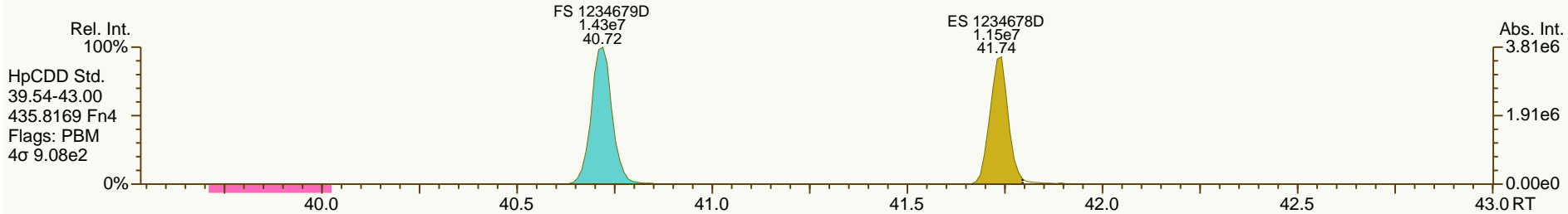
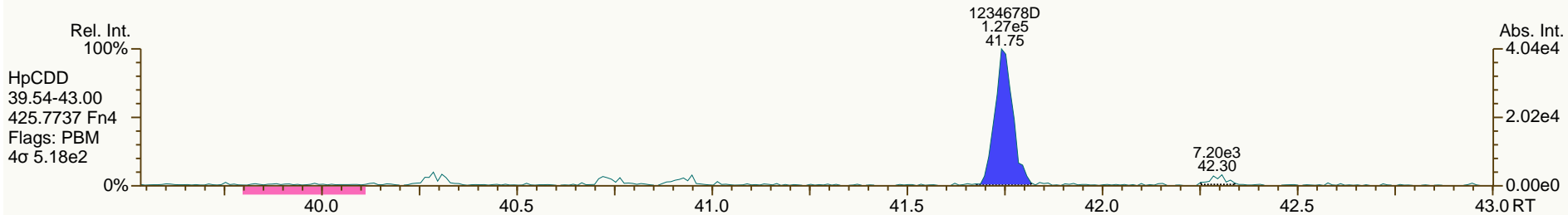
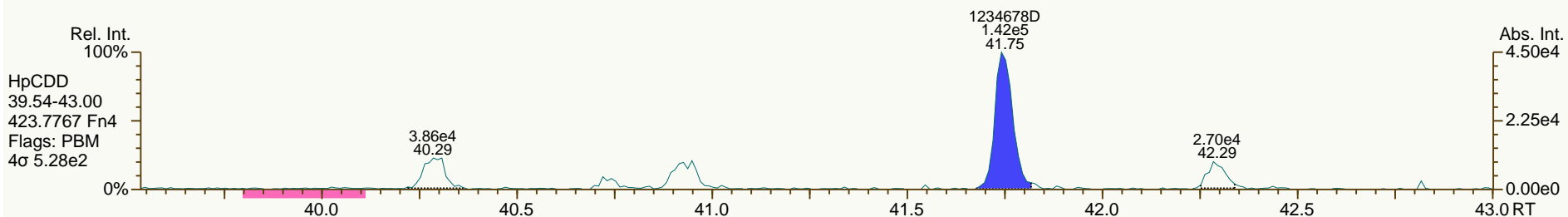
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

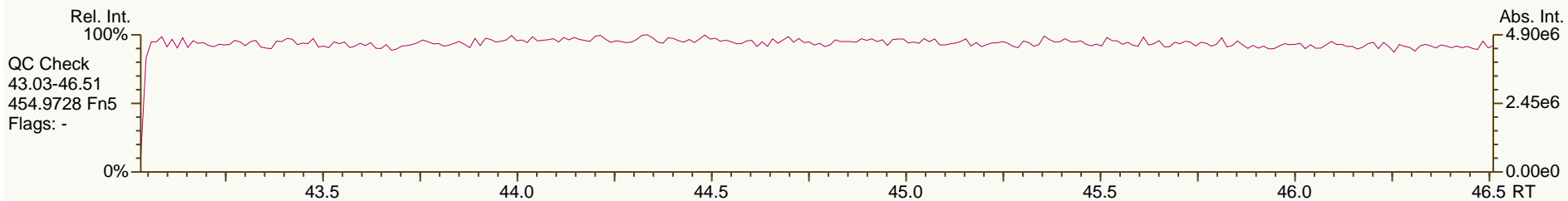
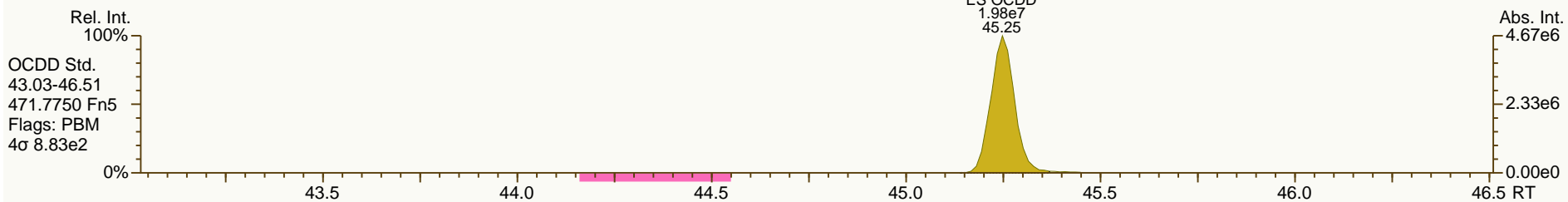
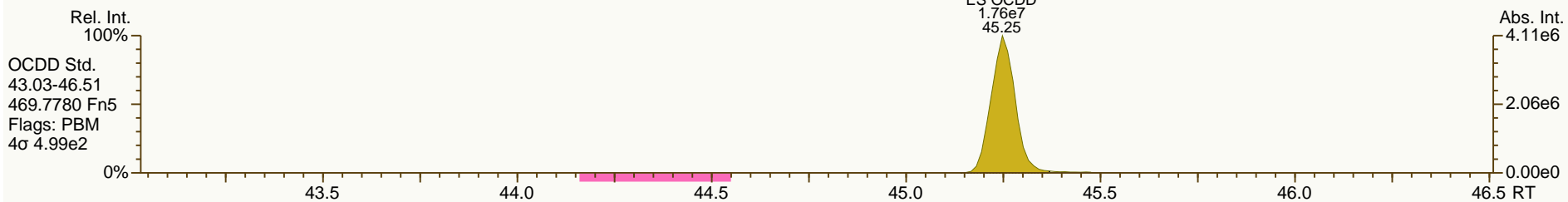
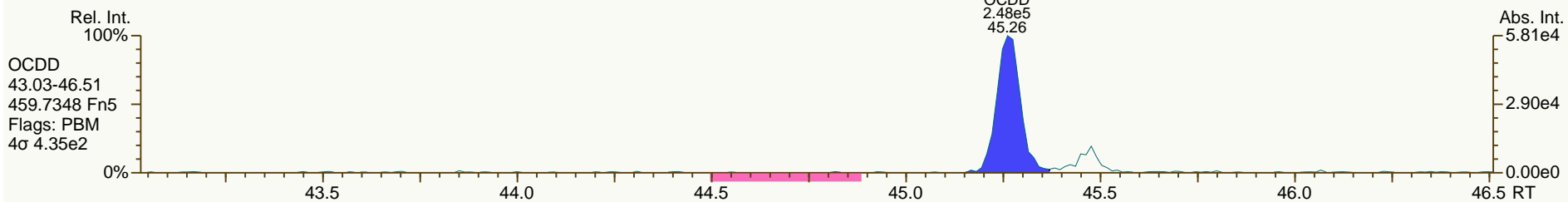
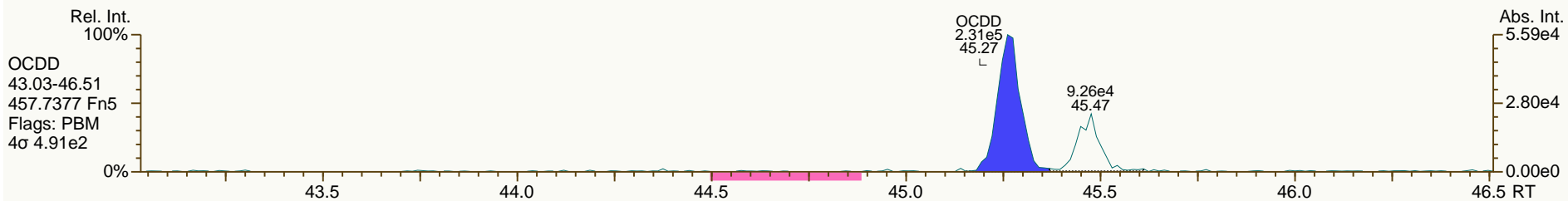
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

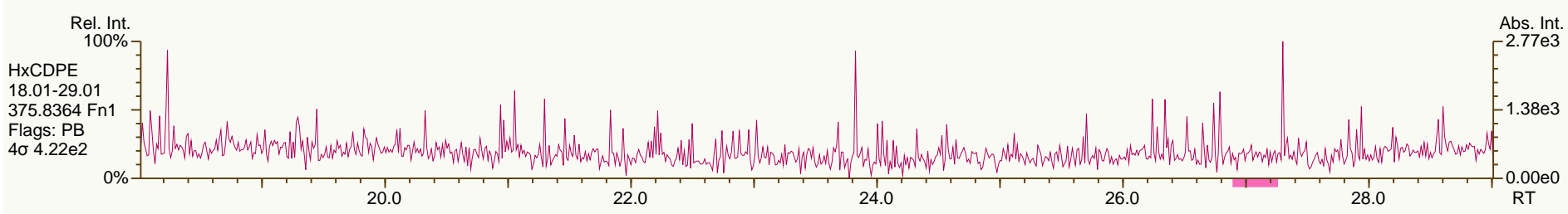
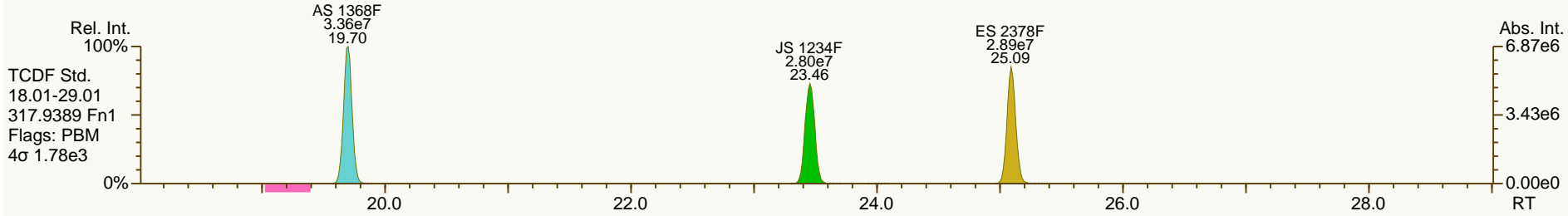
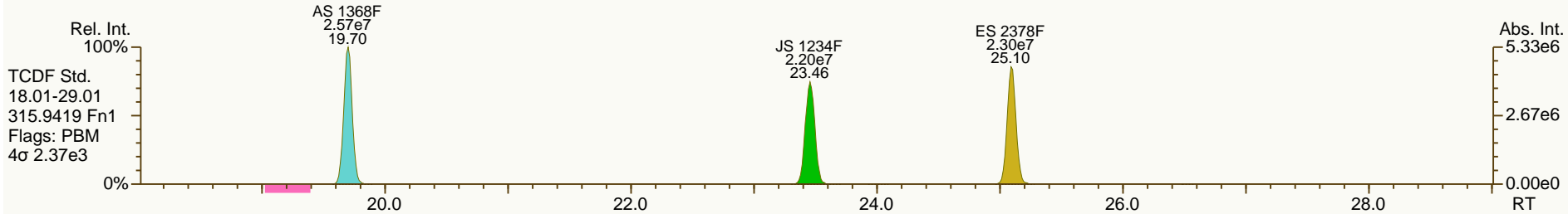
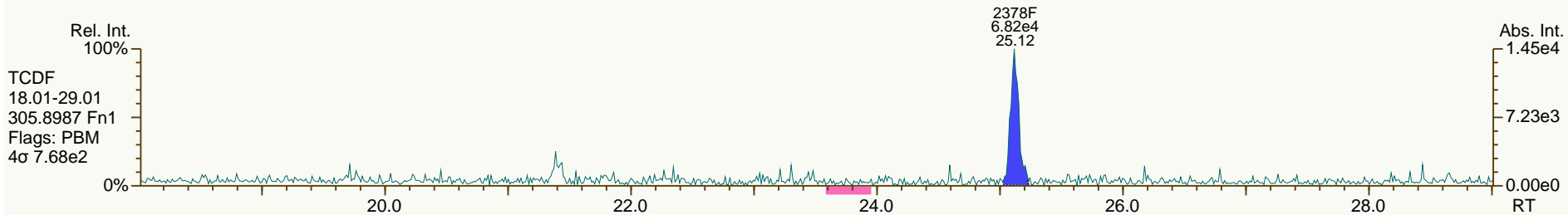
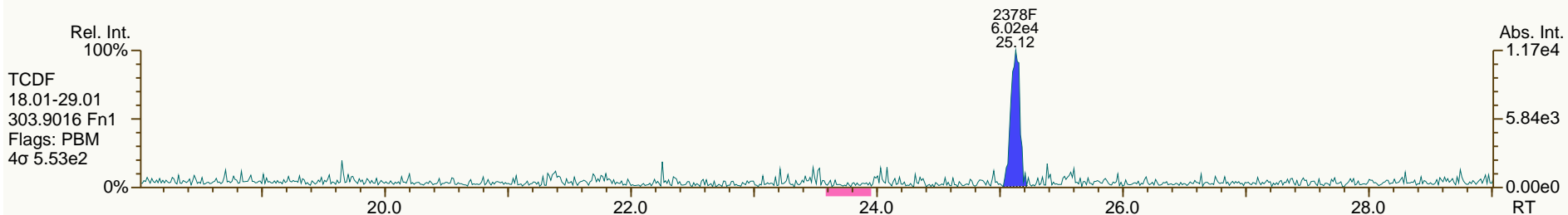
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

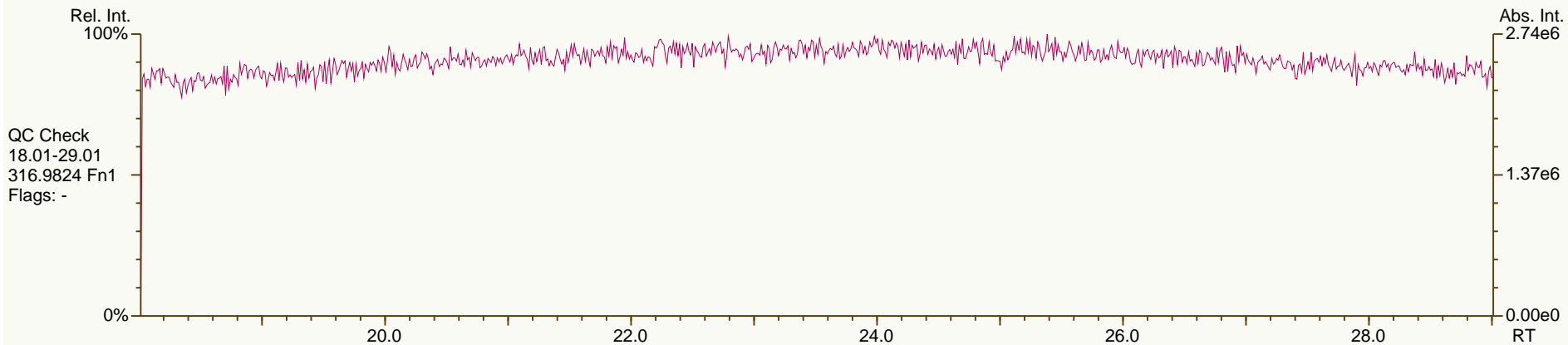
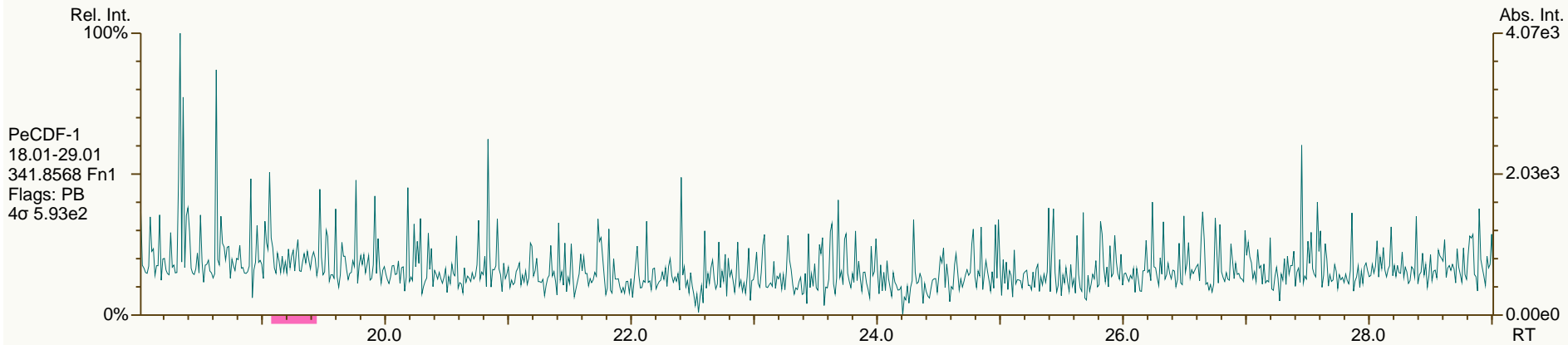
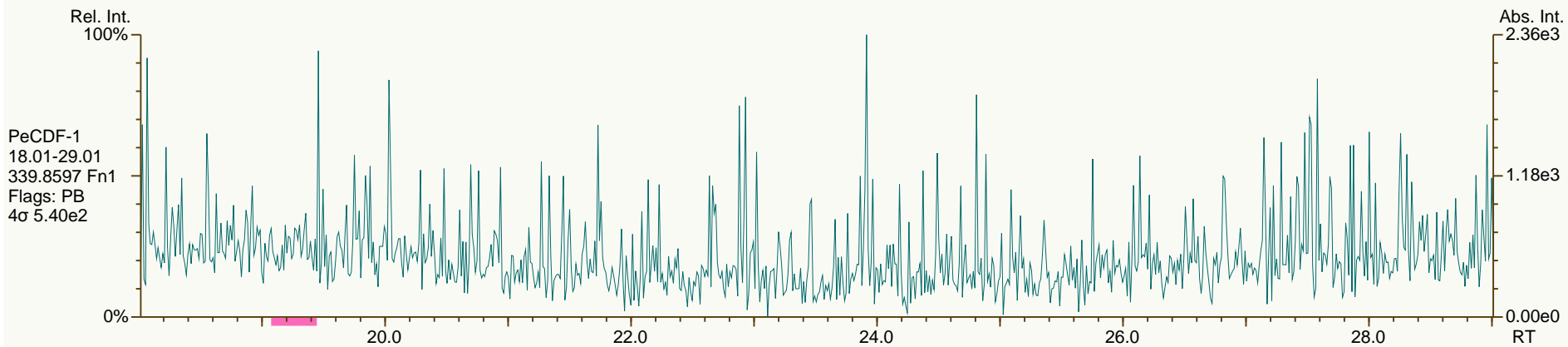
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

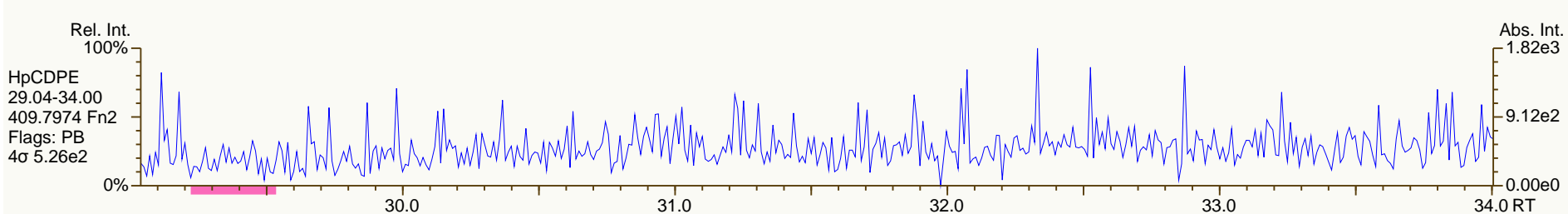
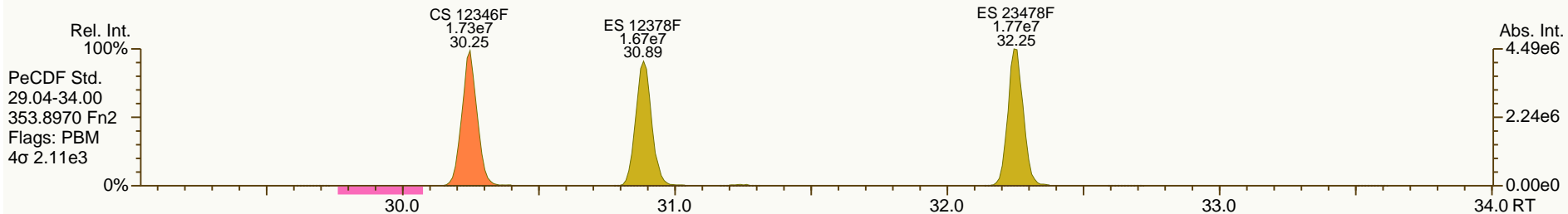
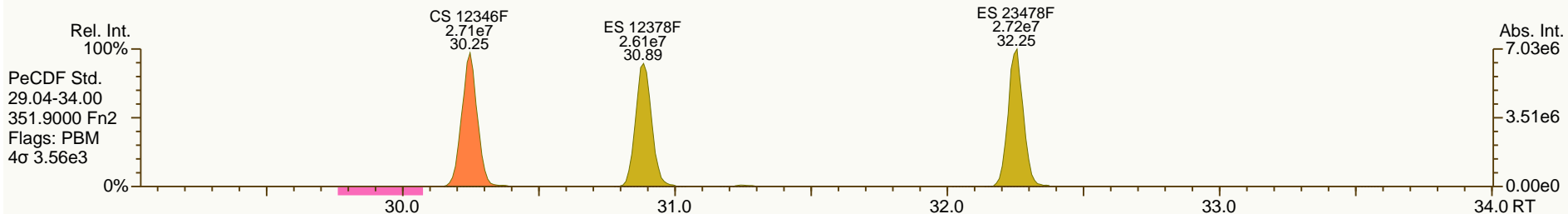
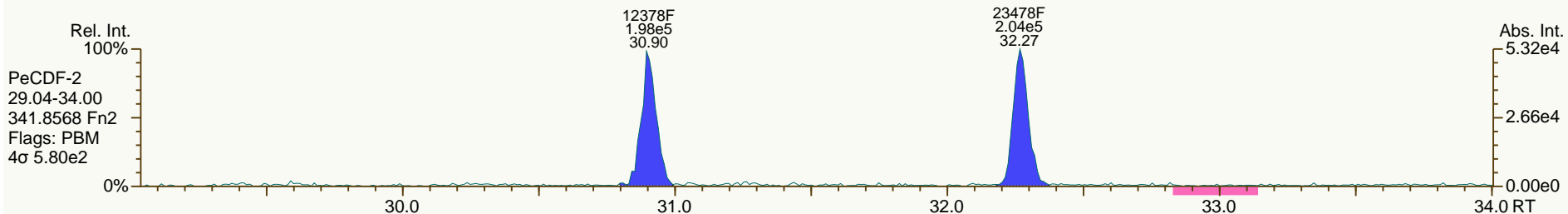
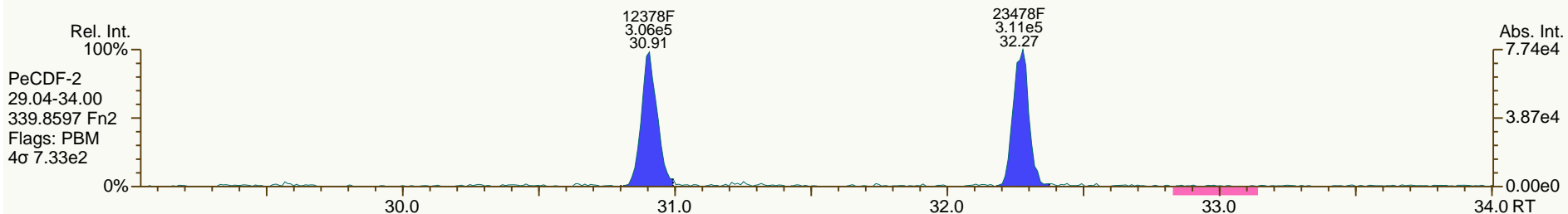
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

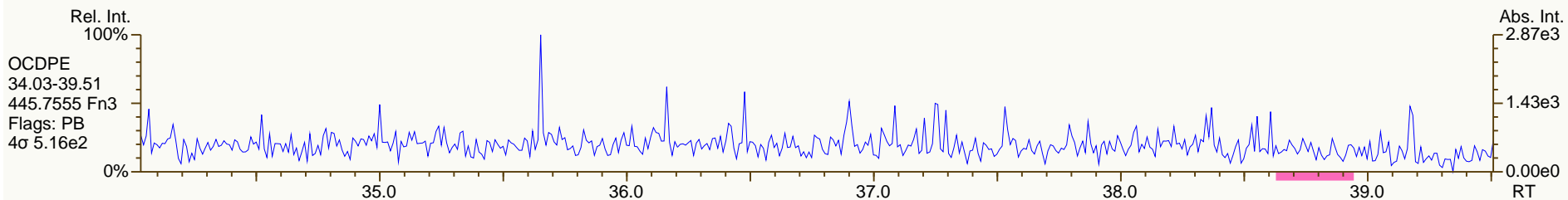
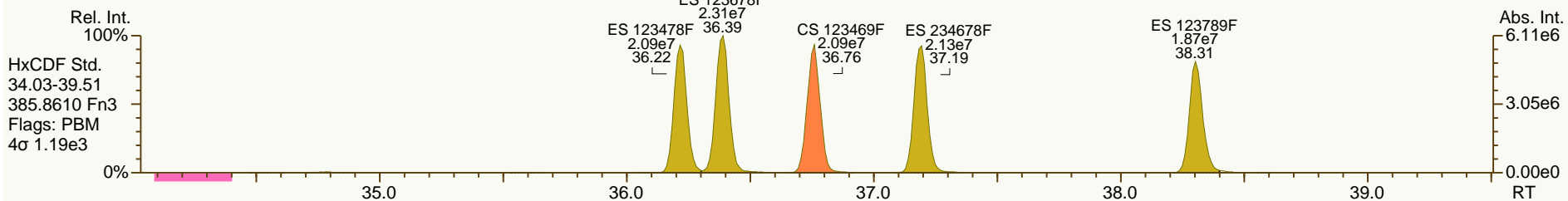
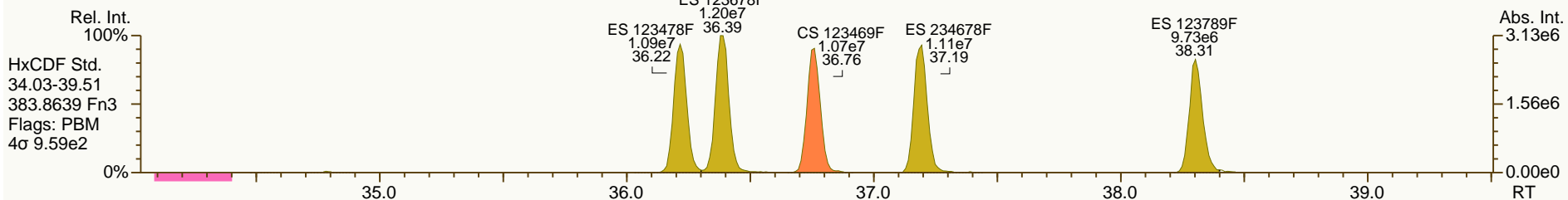
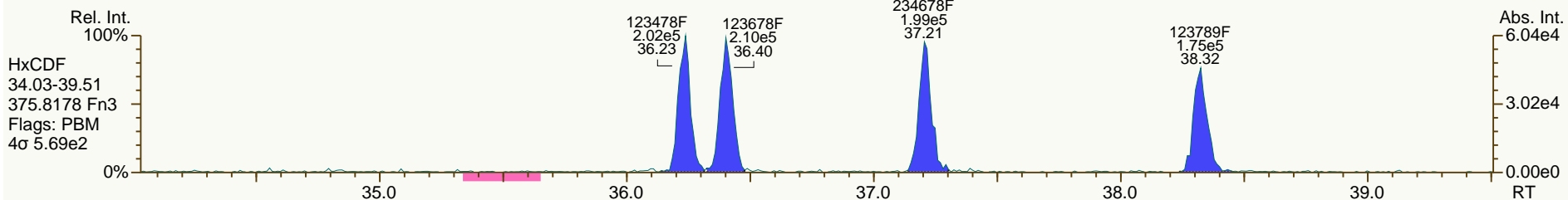
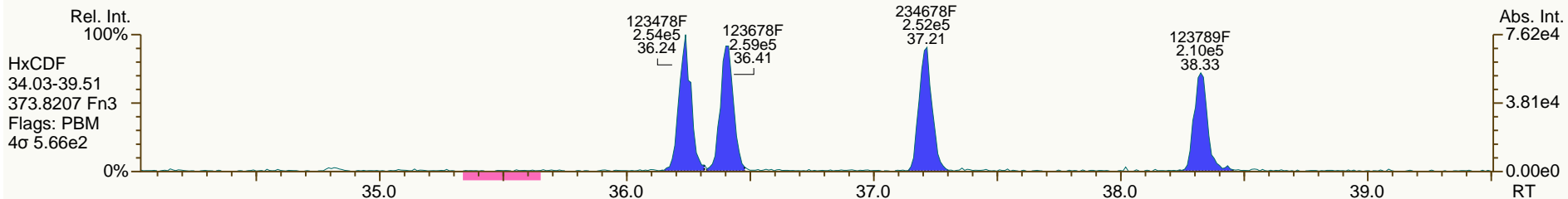
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

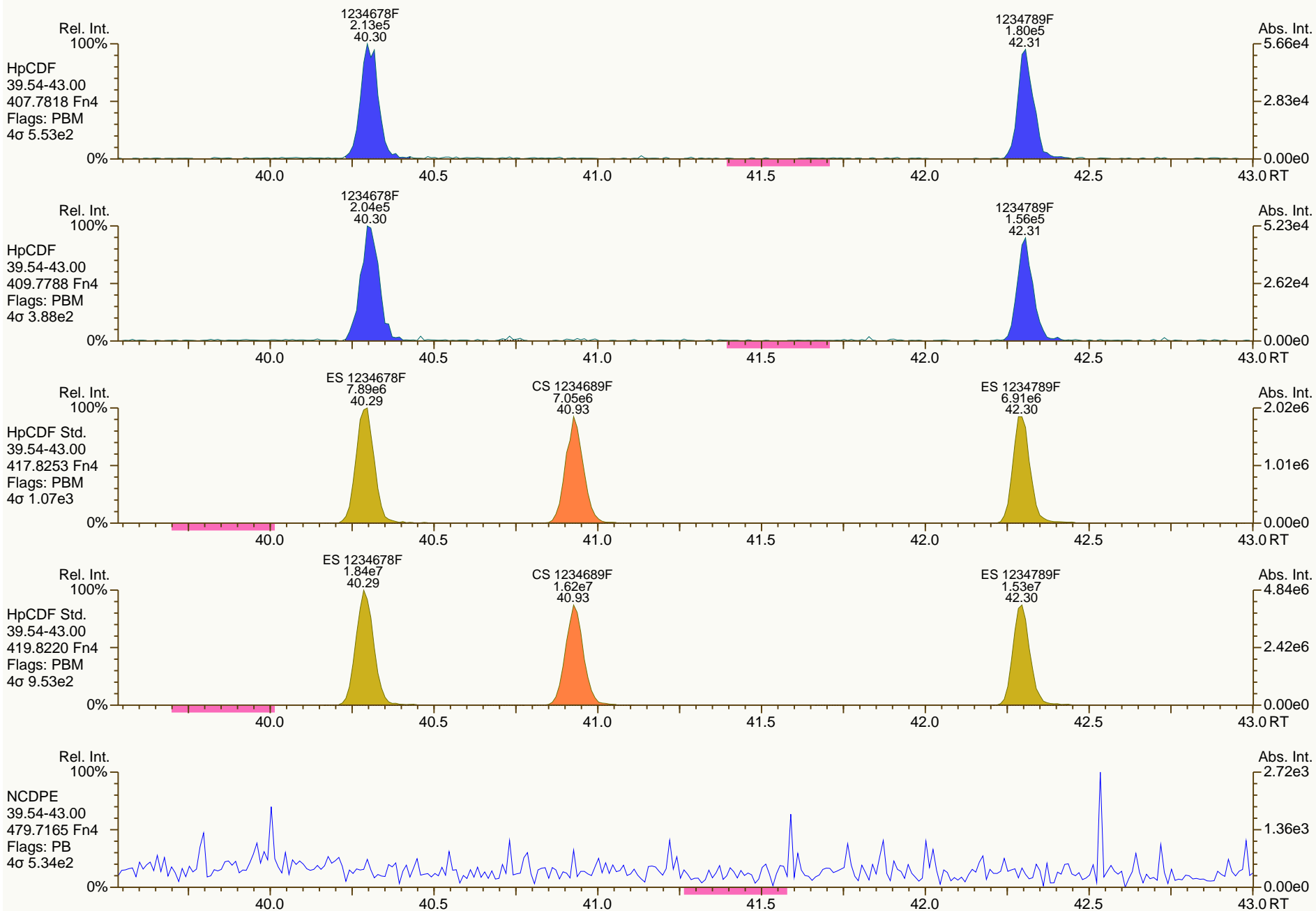
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

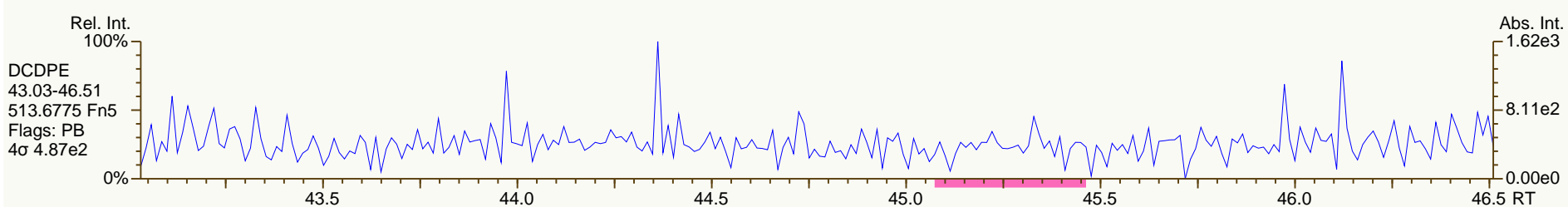
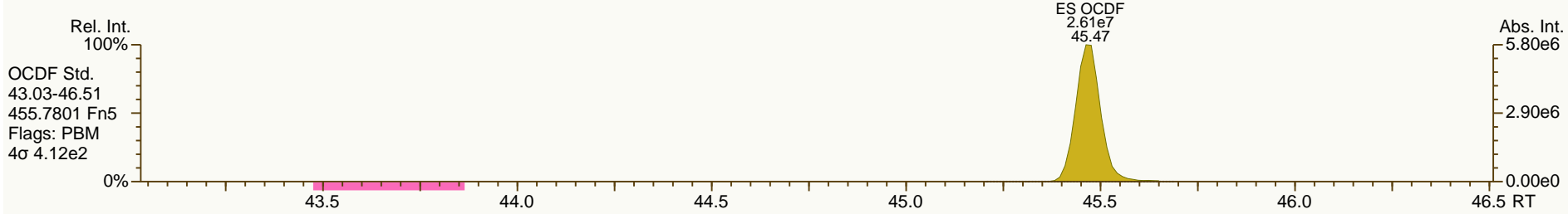
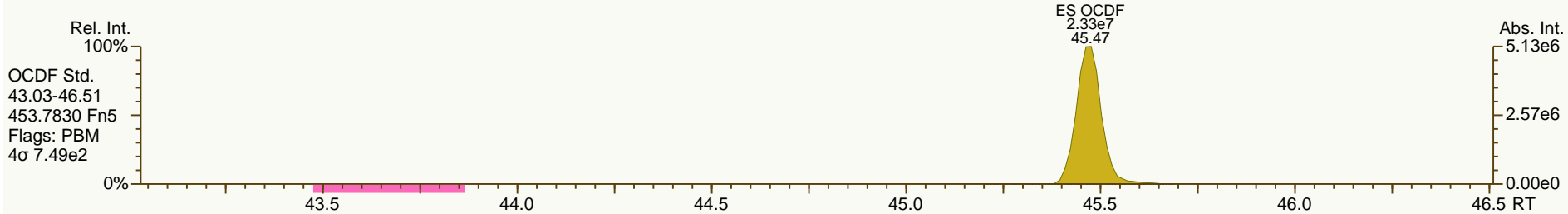
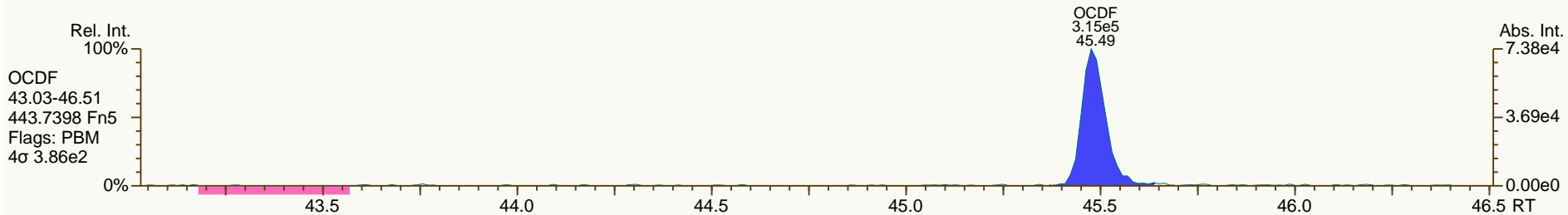
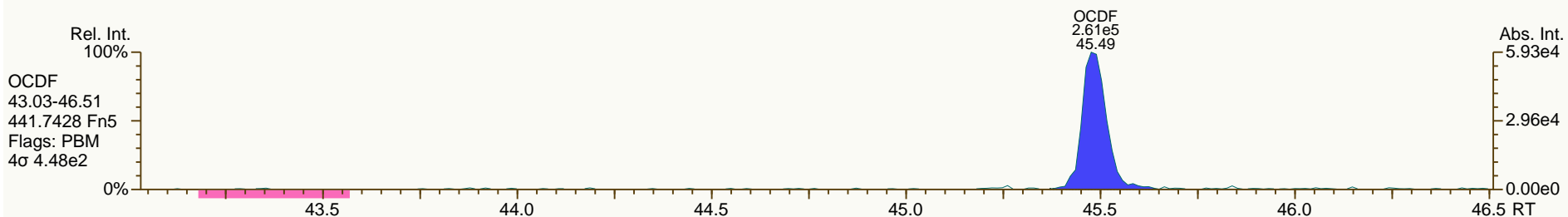
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
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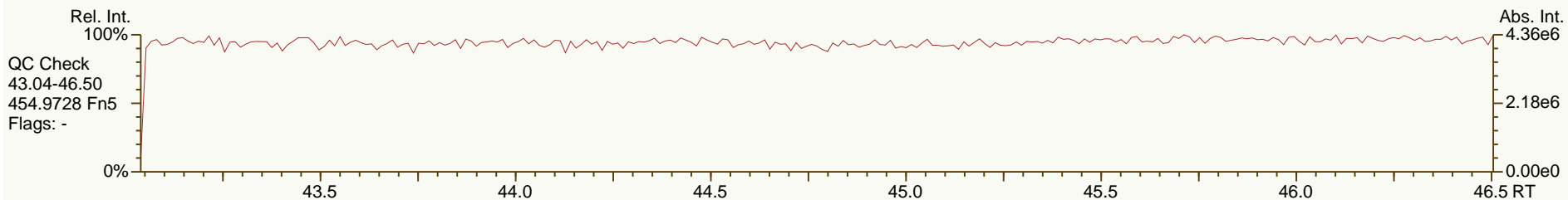
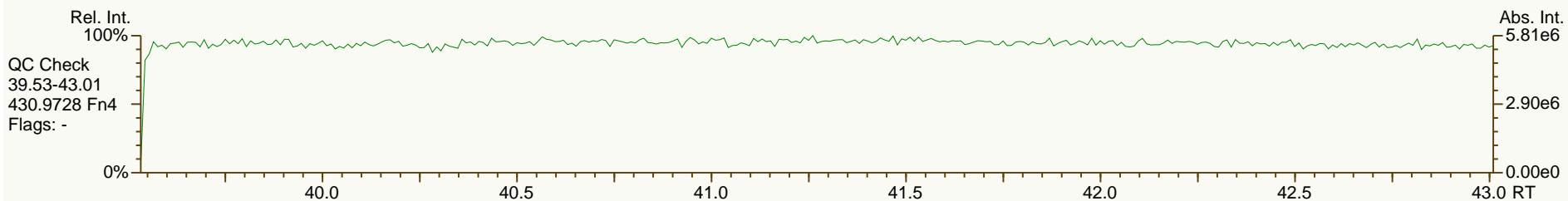
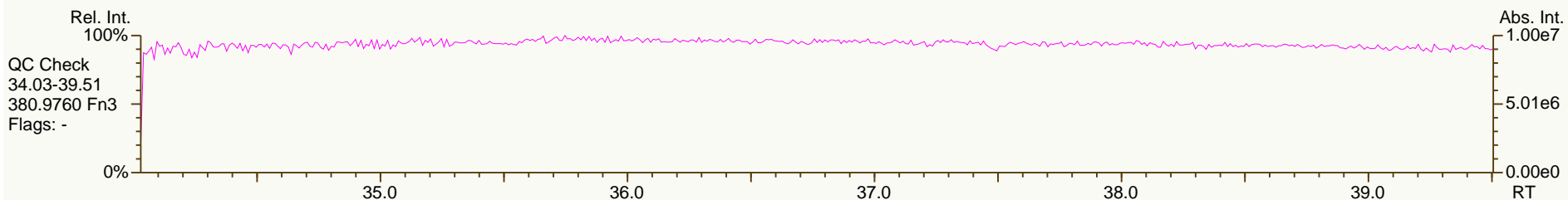
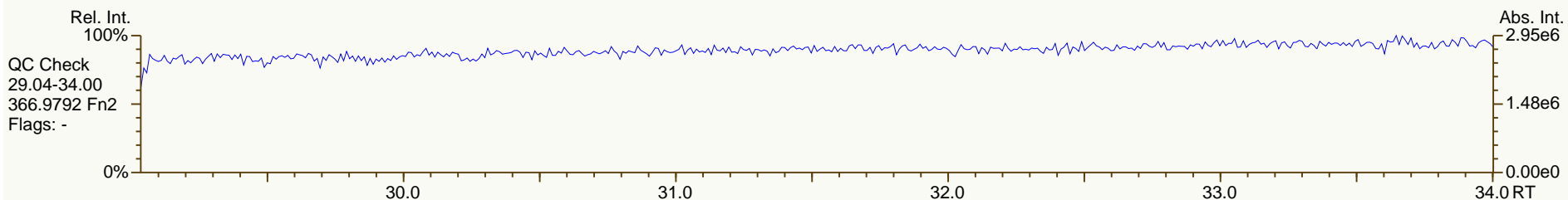
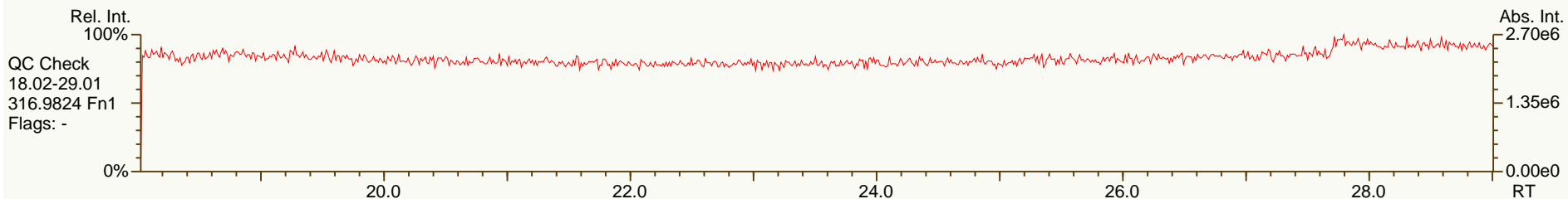
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

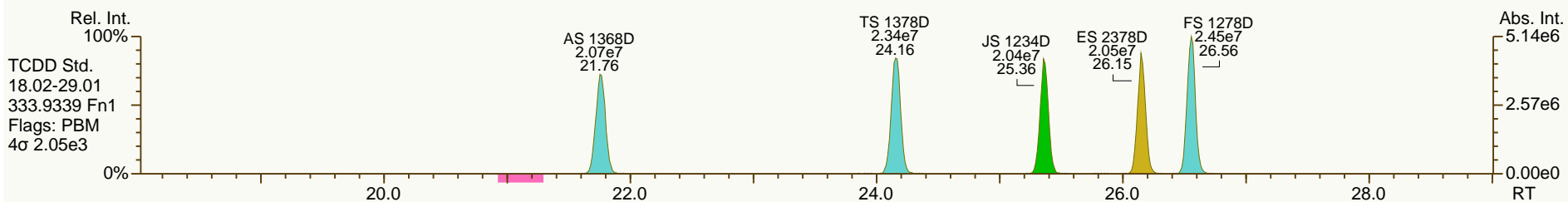
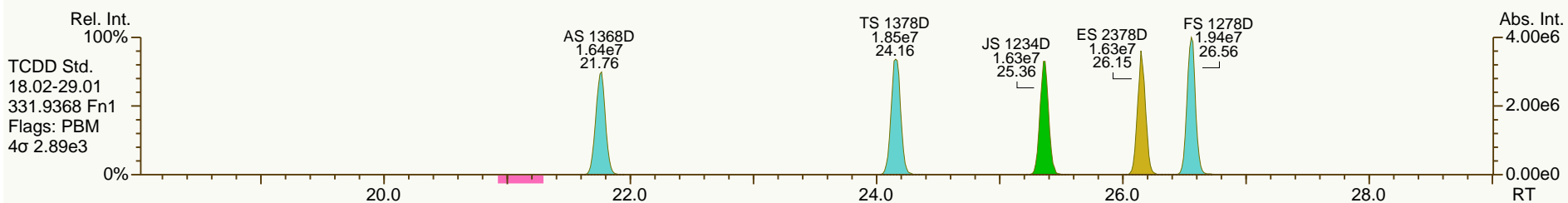
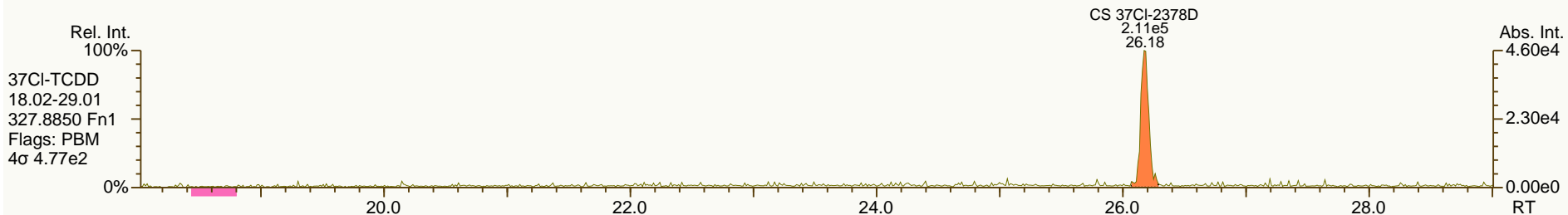
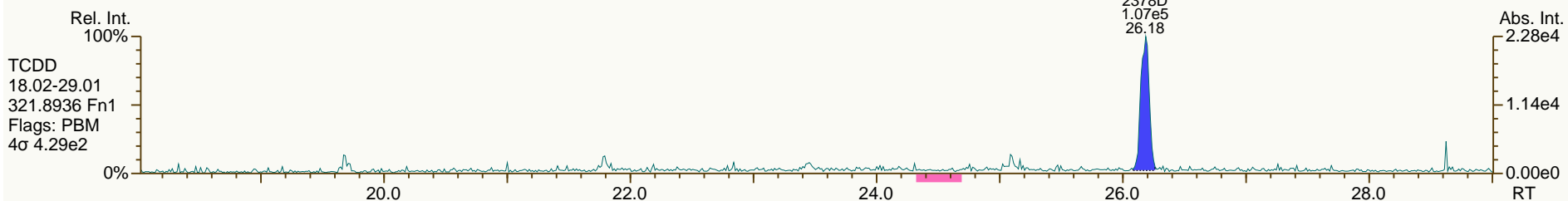
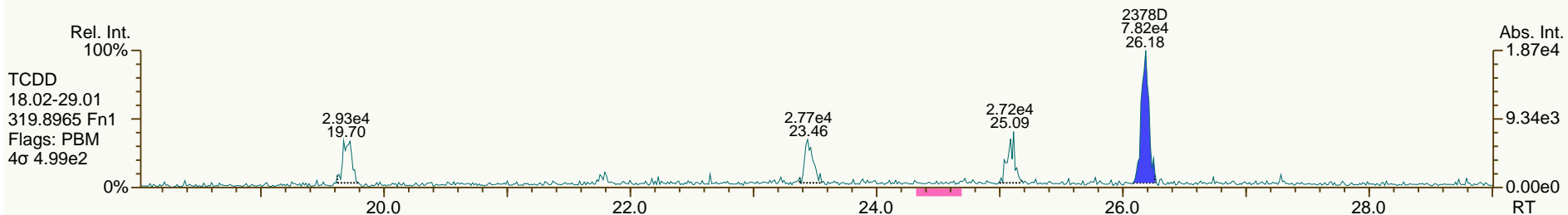
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

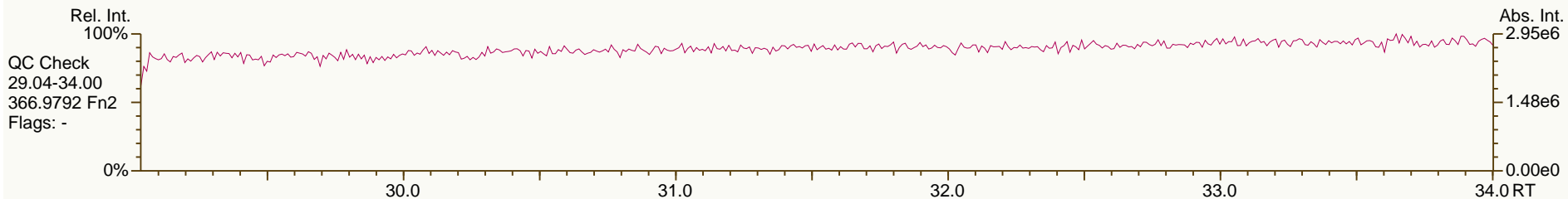
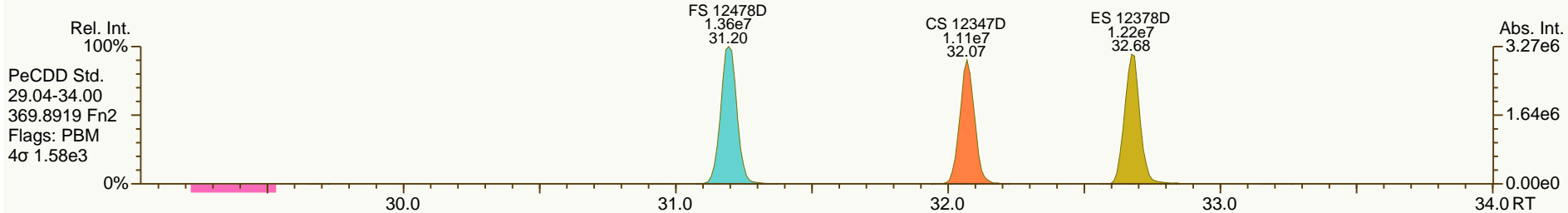
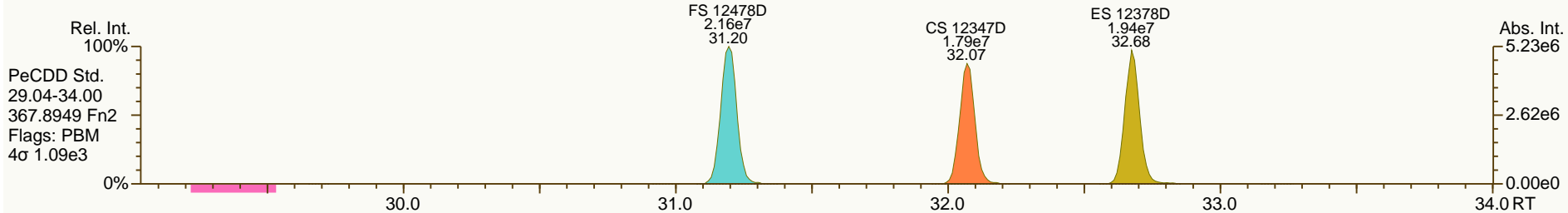
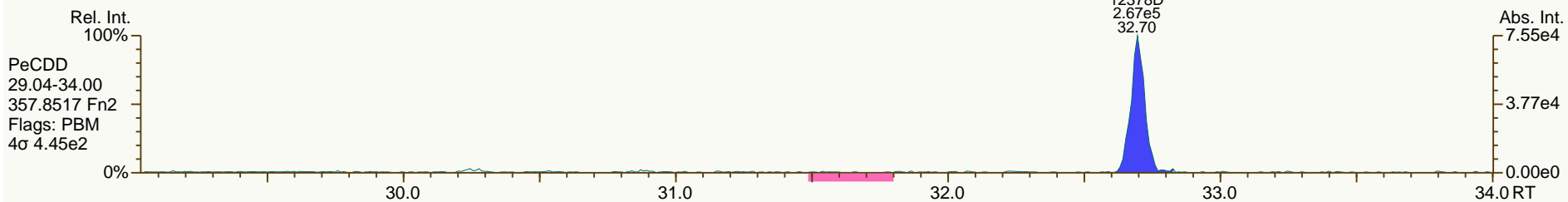
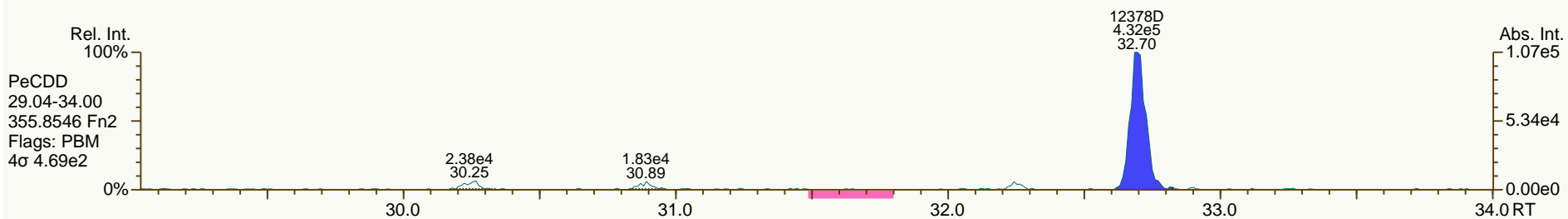
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User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

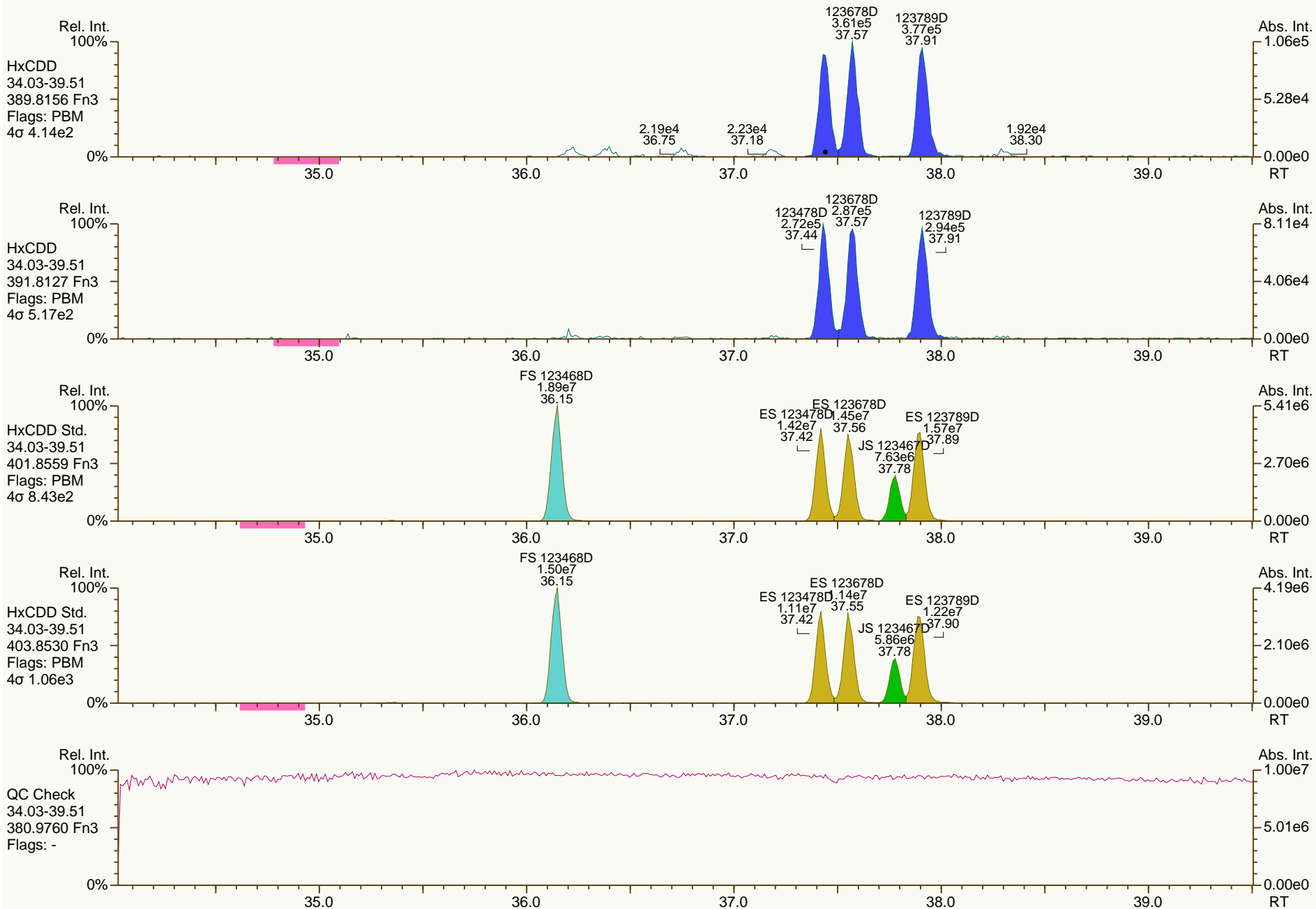
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

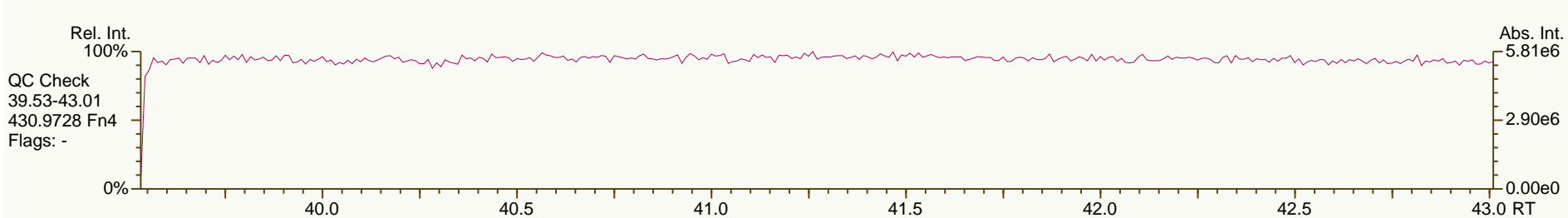
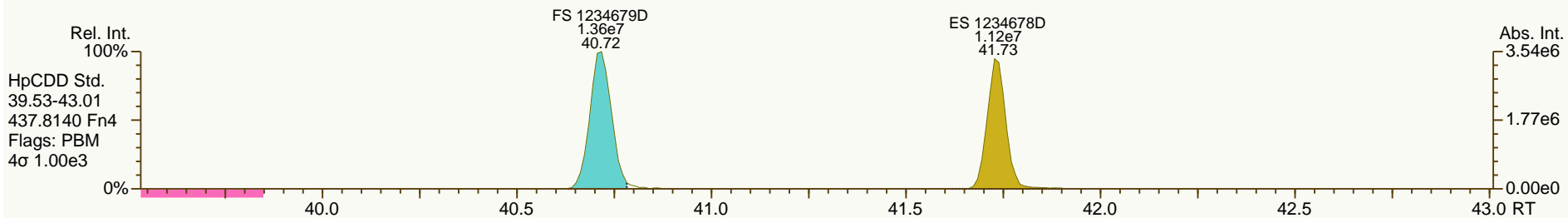
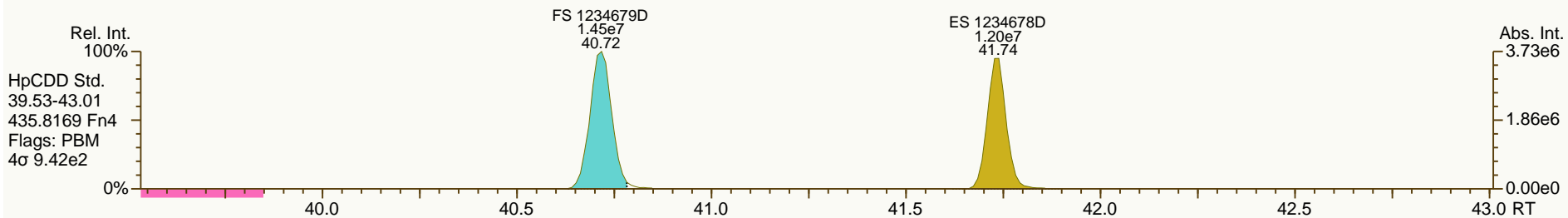
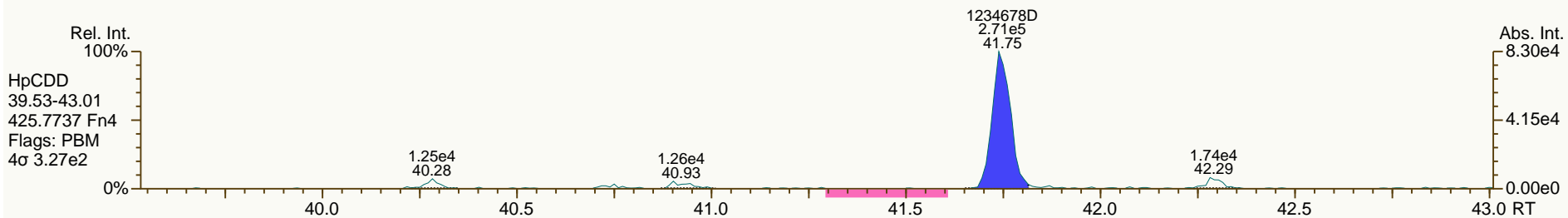
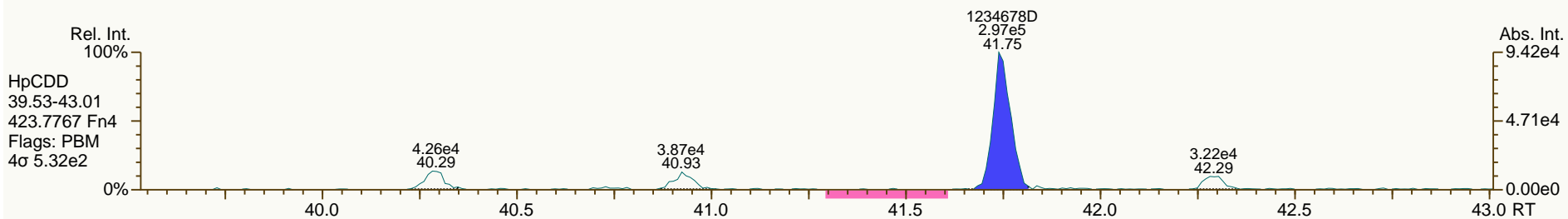
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

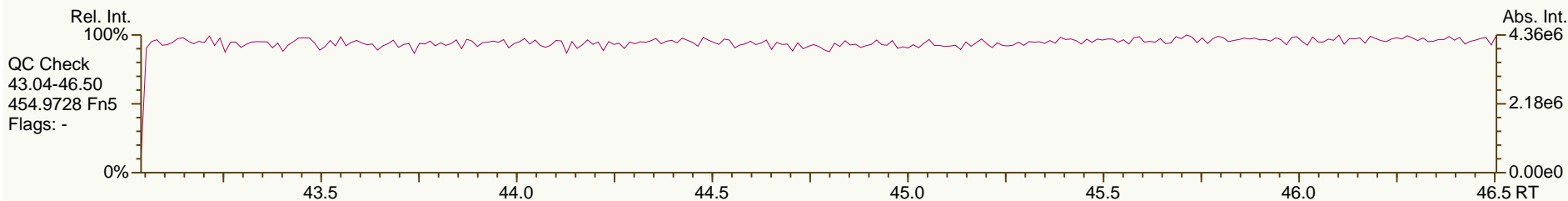
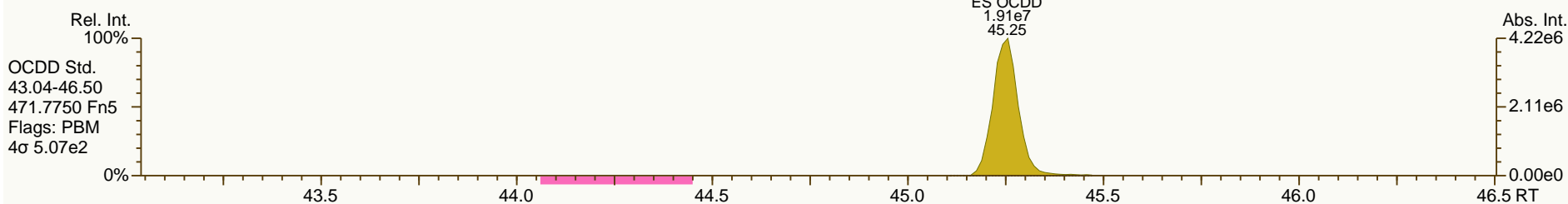
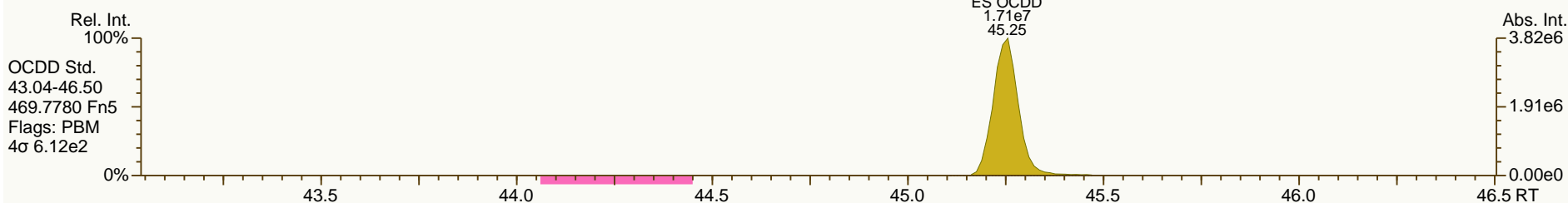
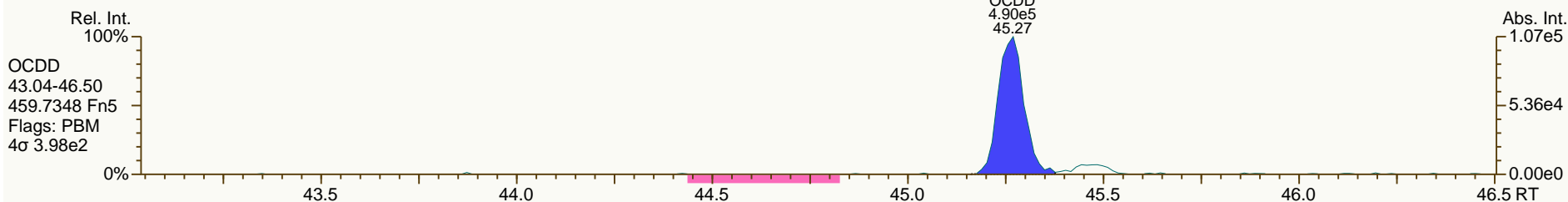
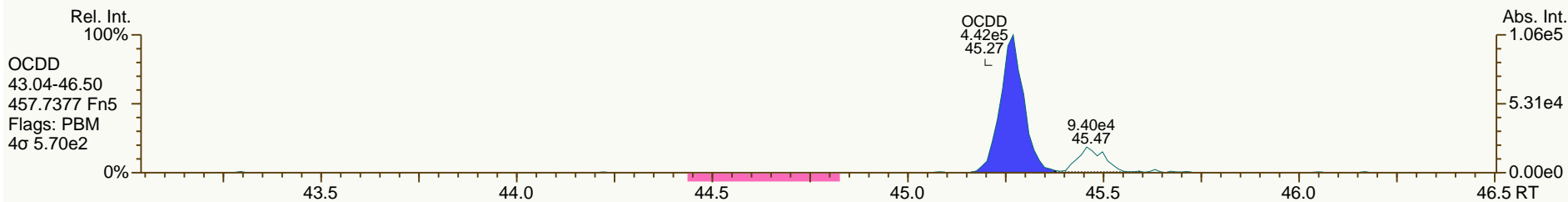
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

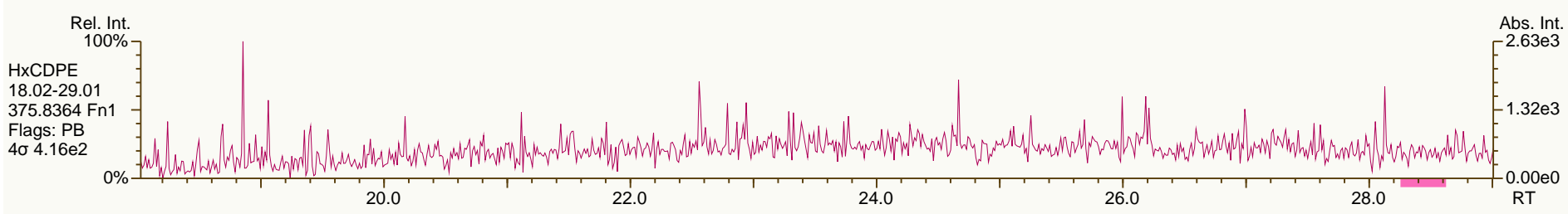
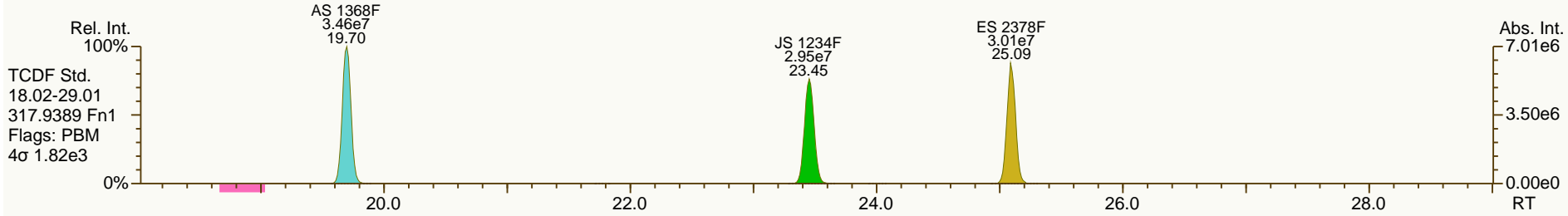
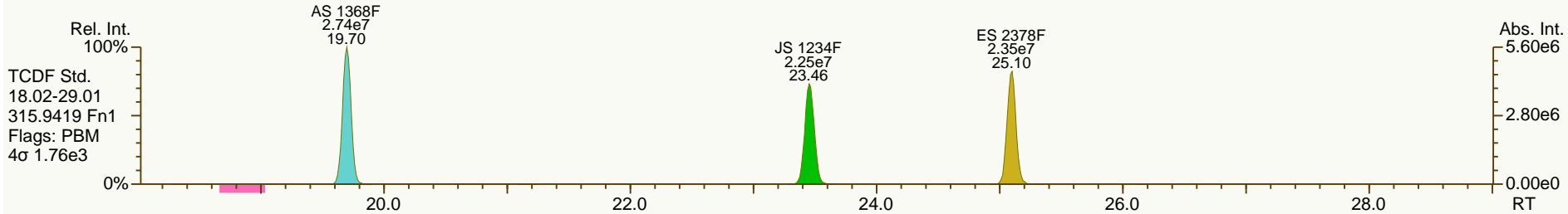
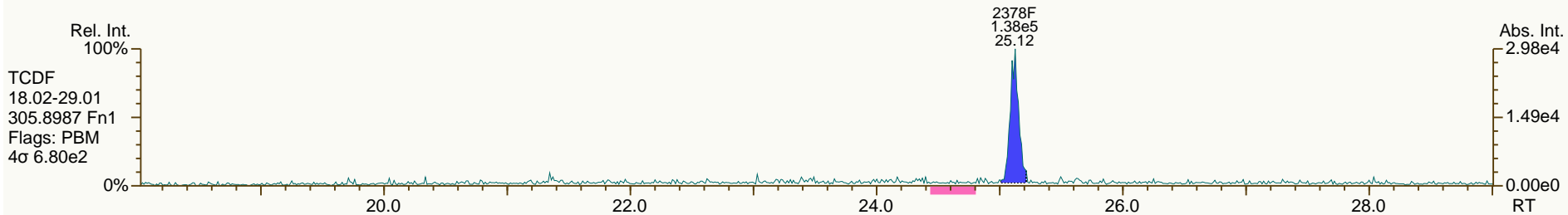
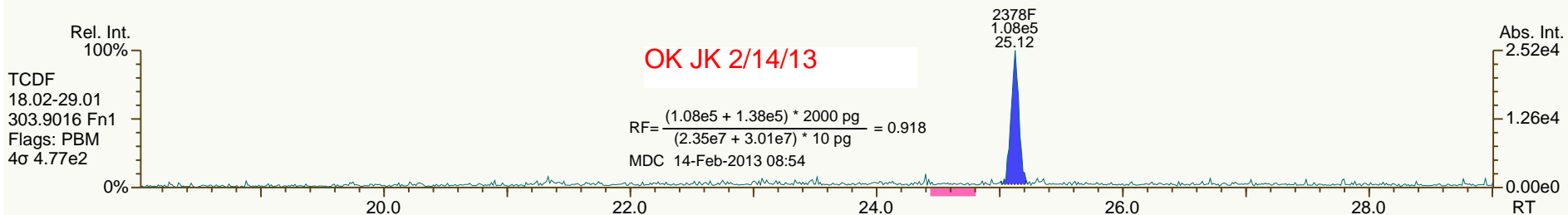
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

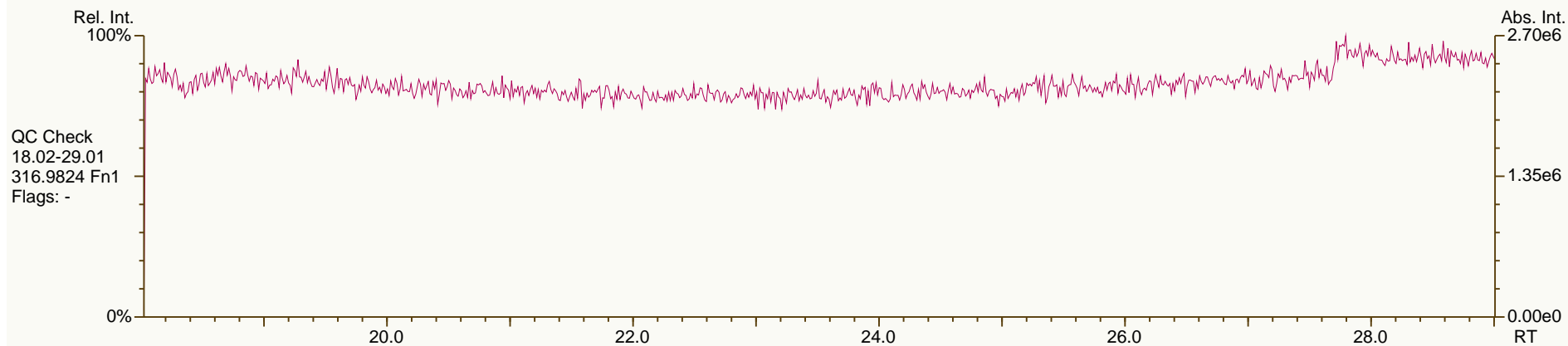
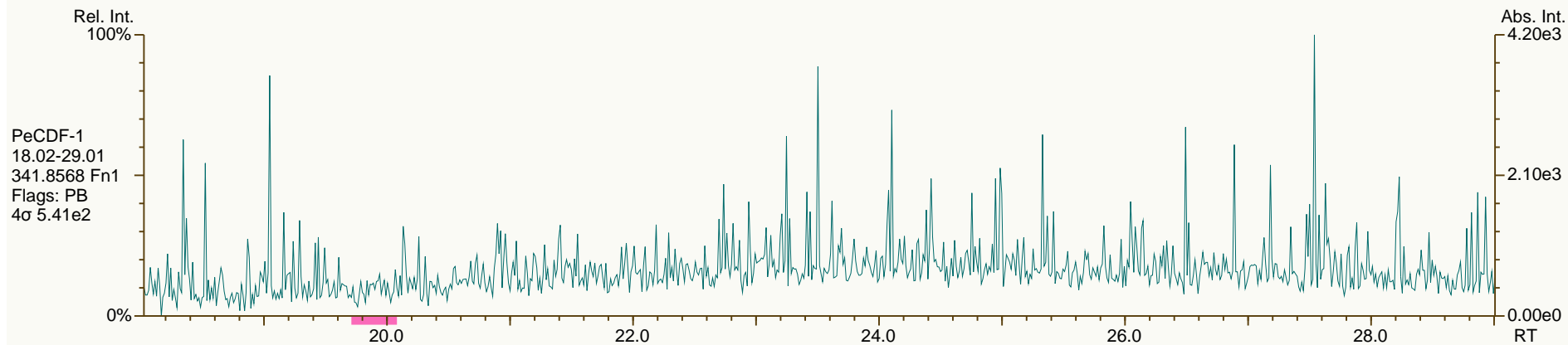
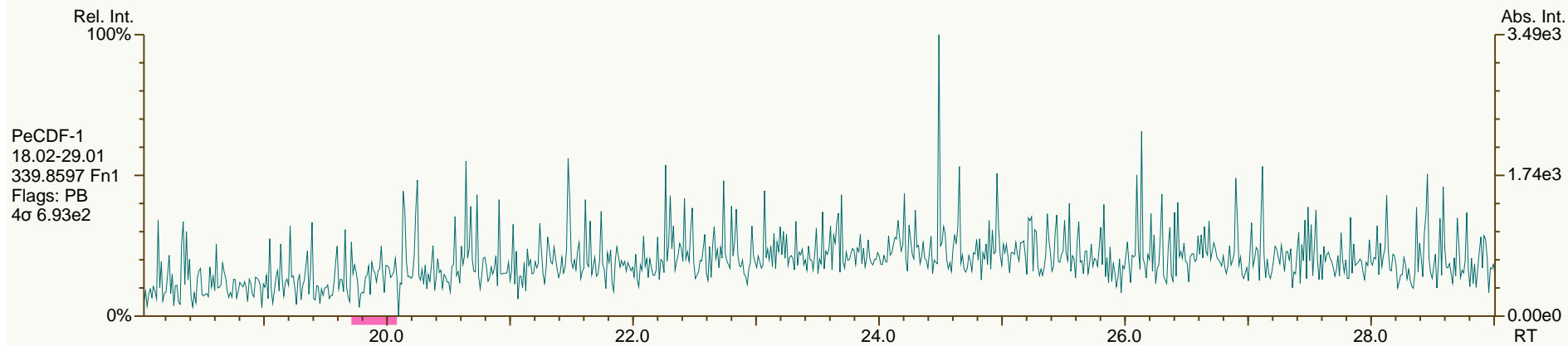
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

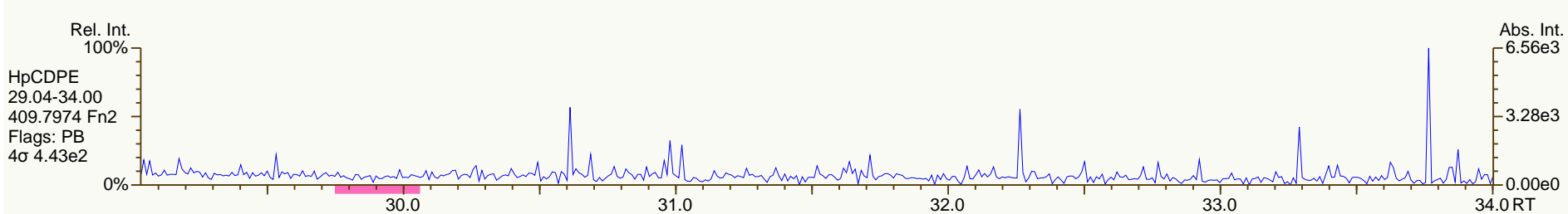
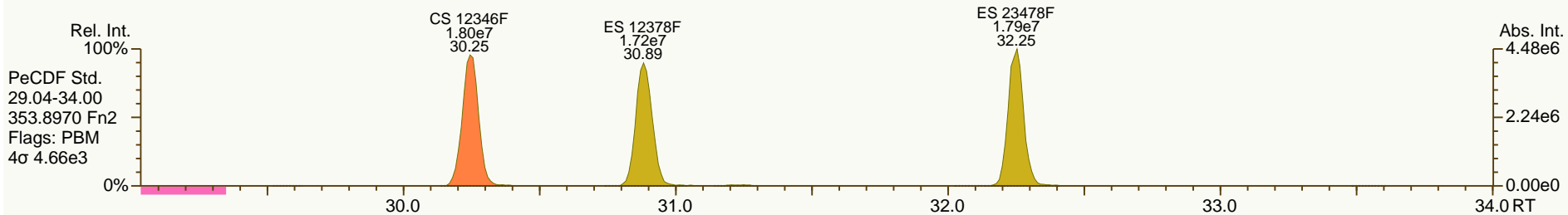
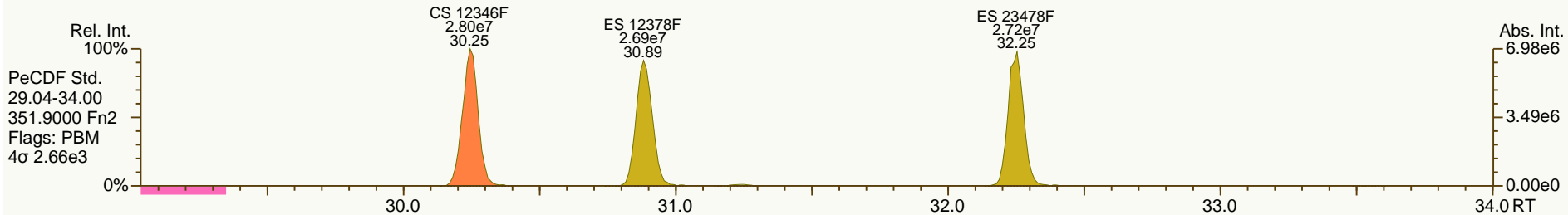
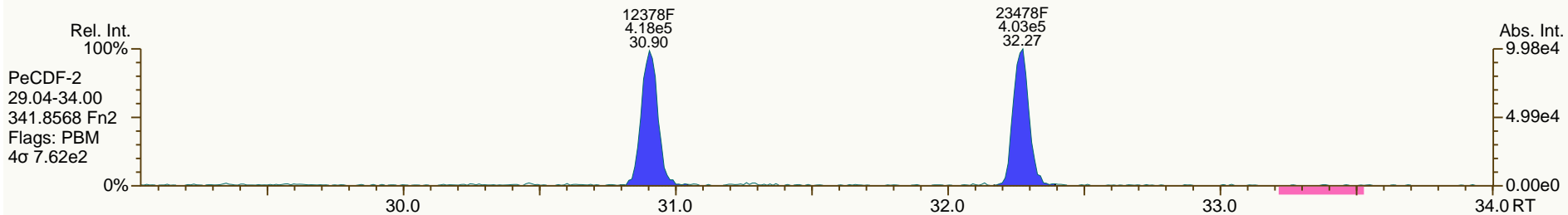
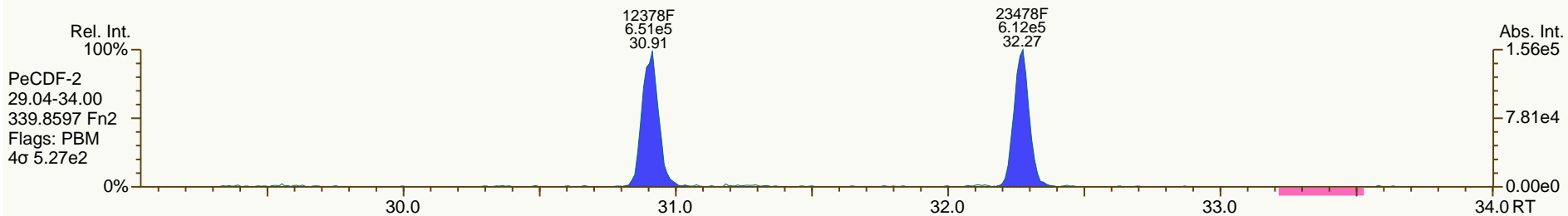
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

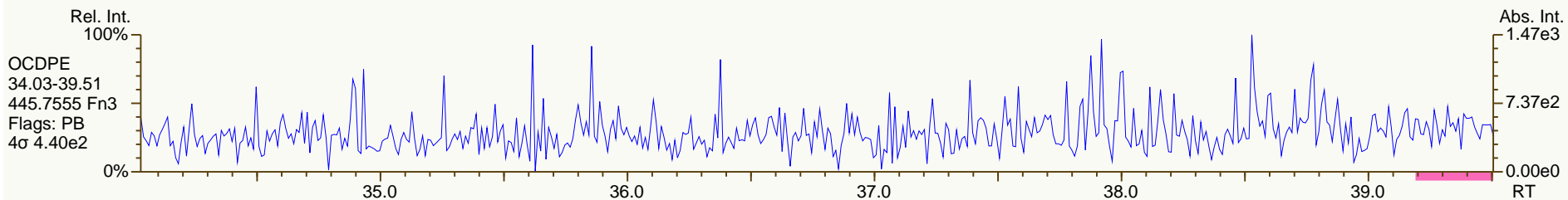
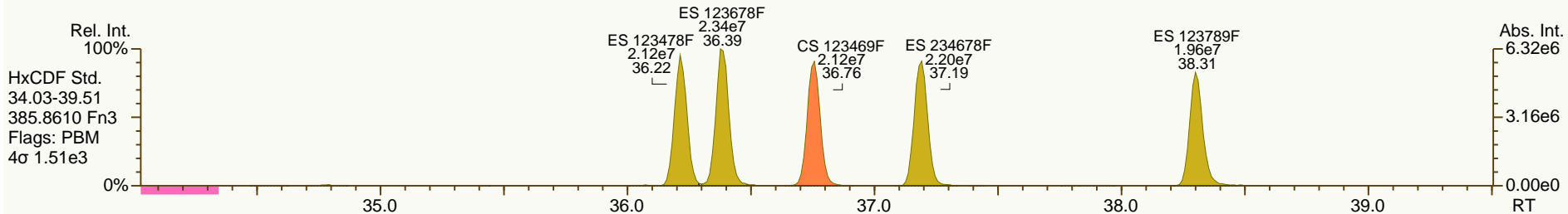
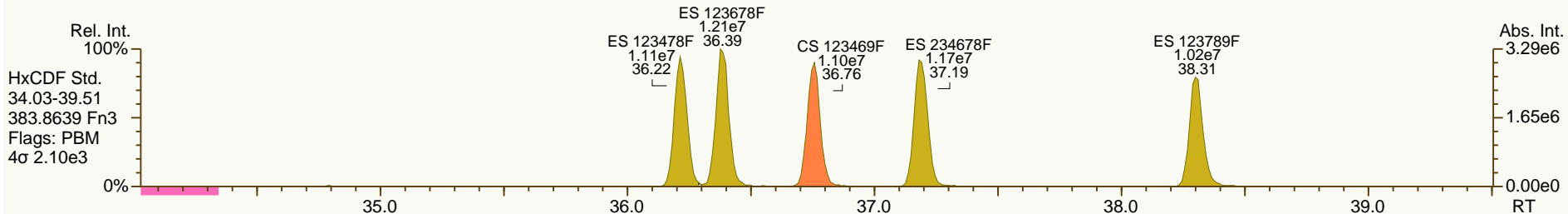
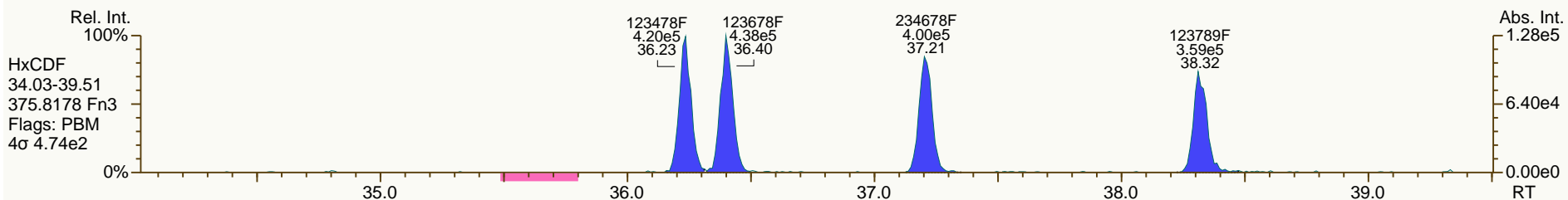
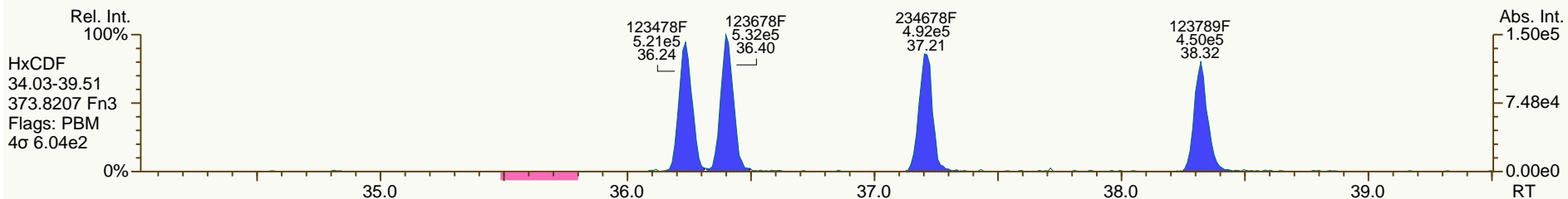
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

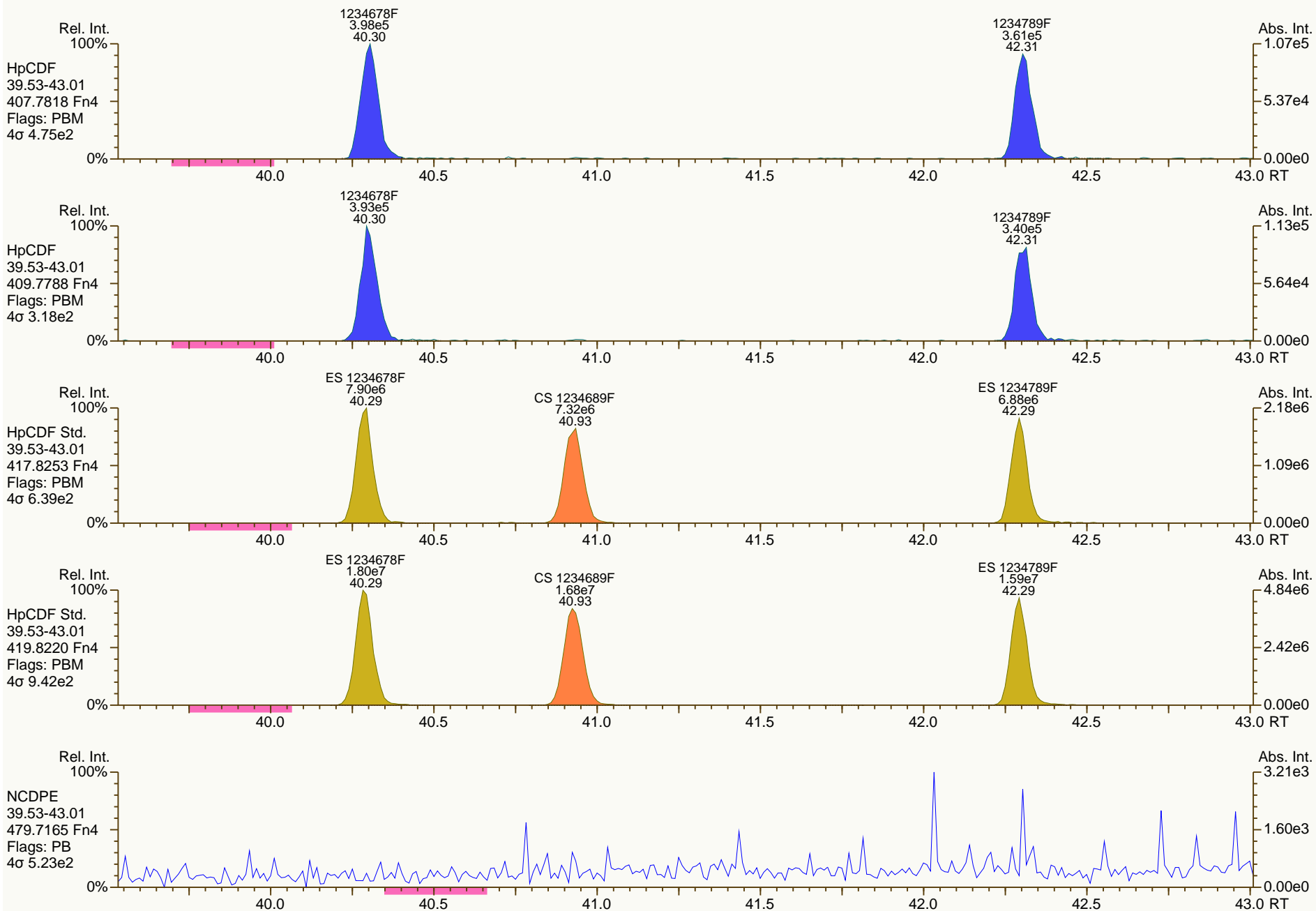
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

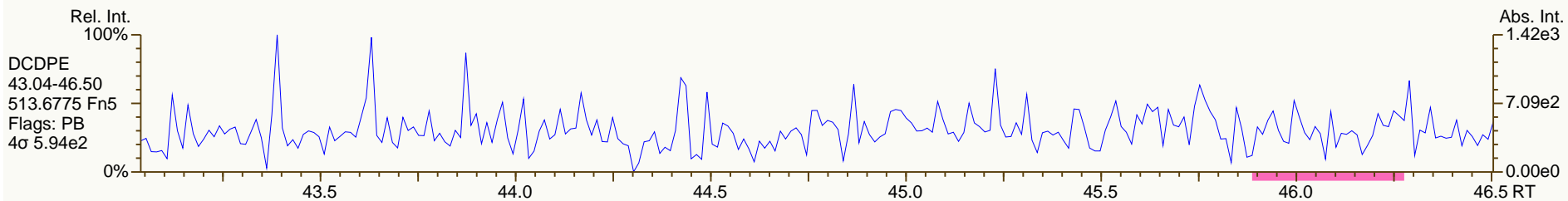
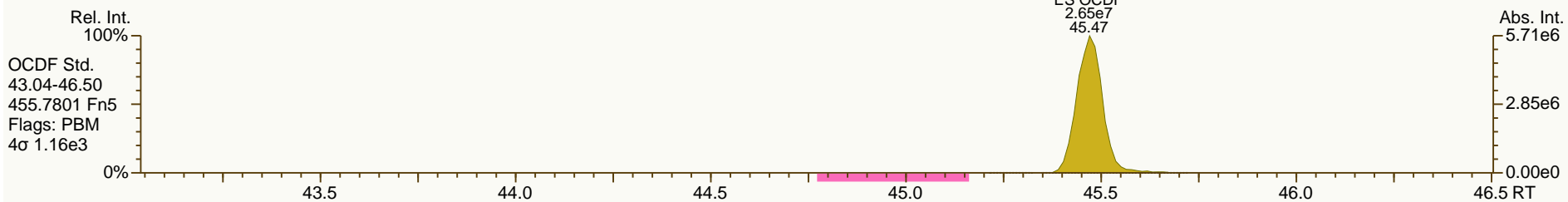
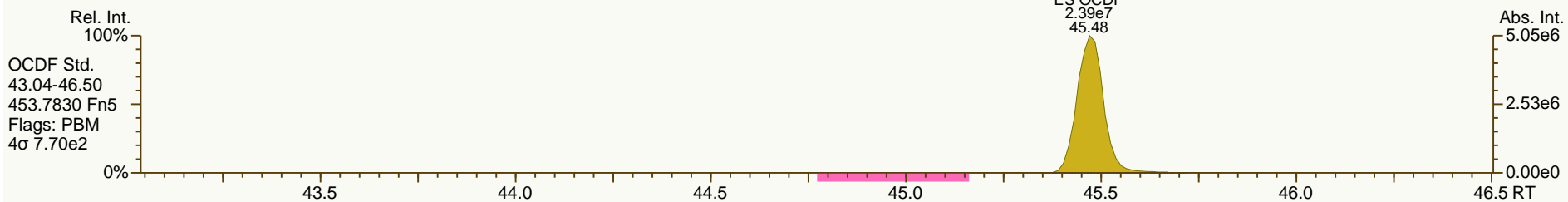
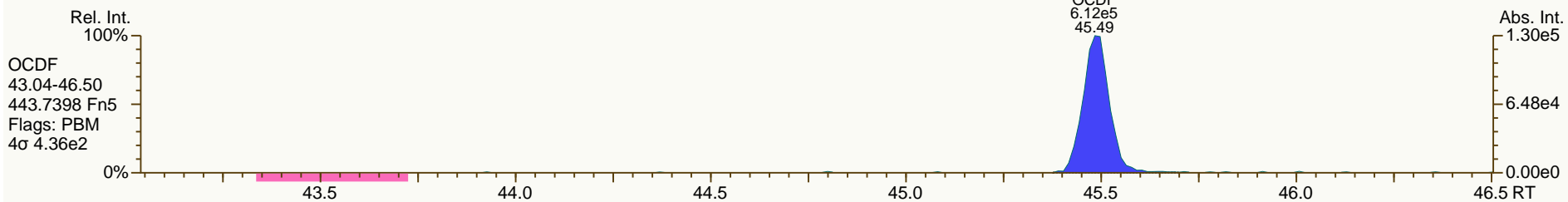
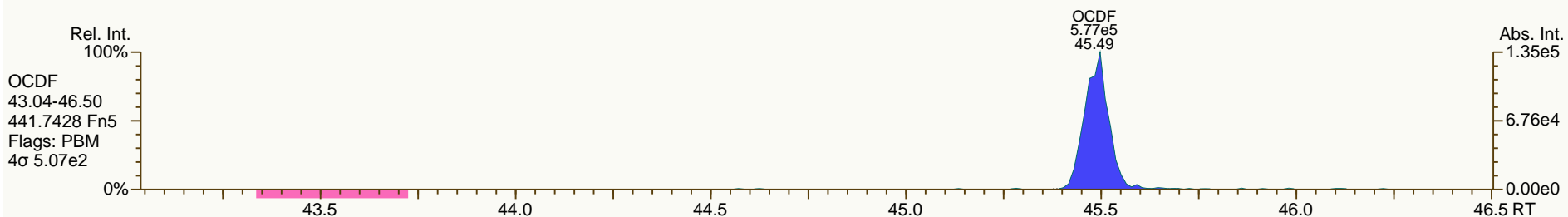
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
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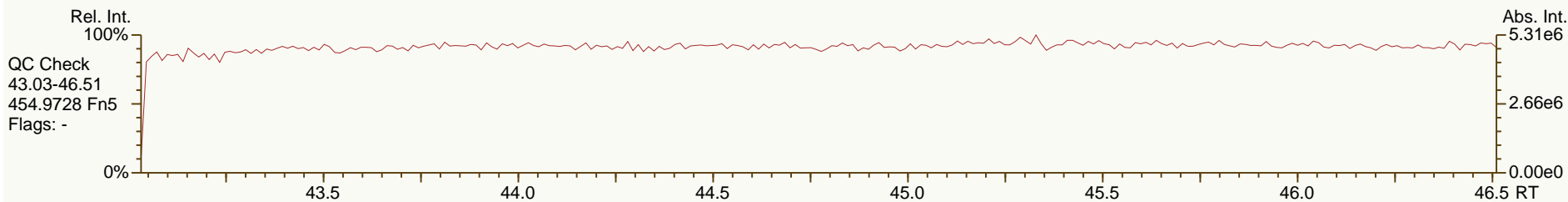
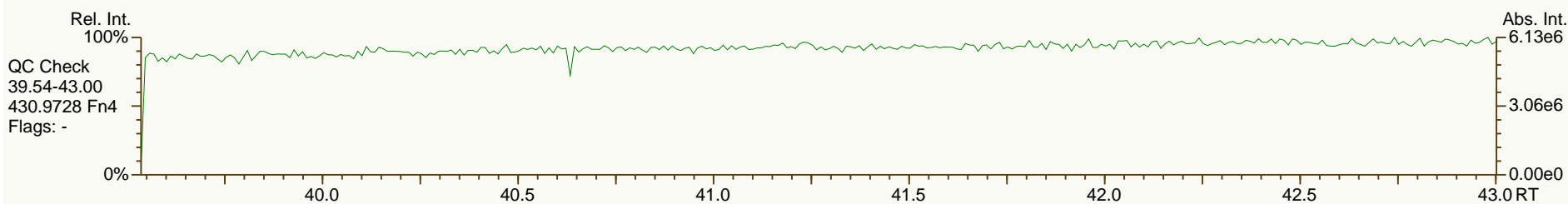
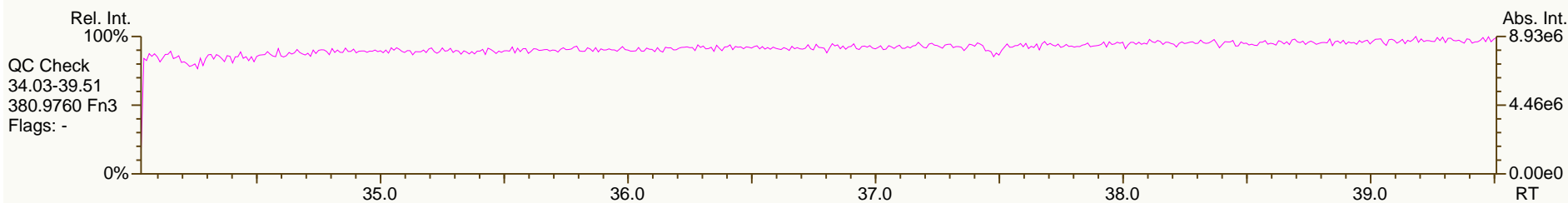
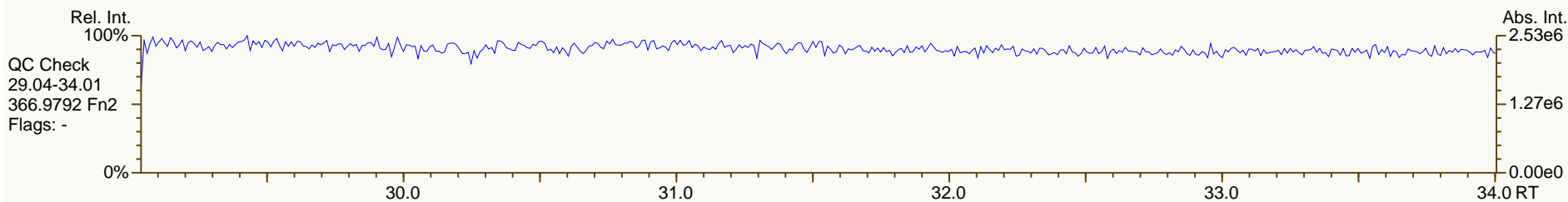
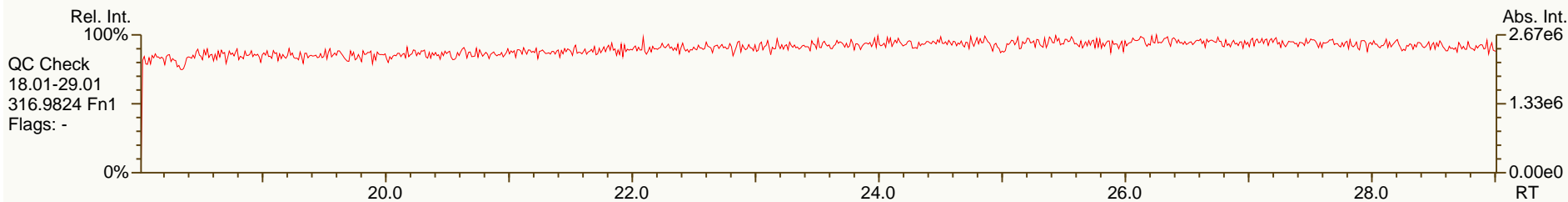
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

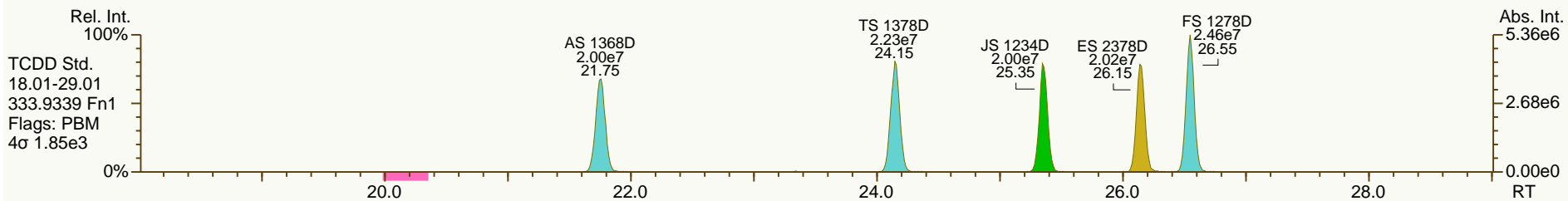
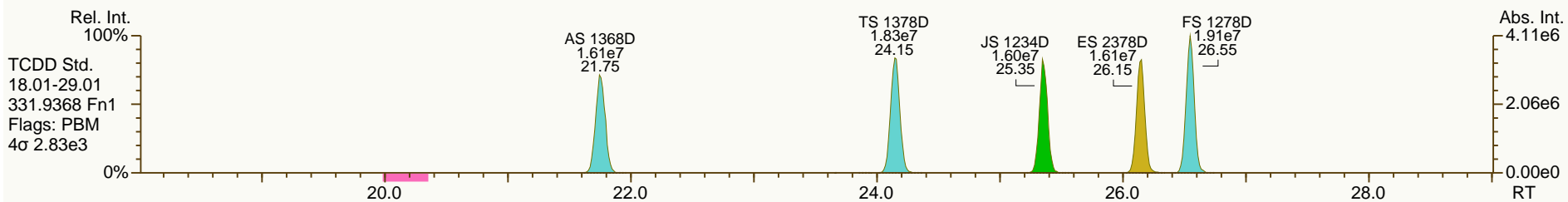
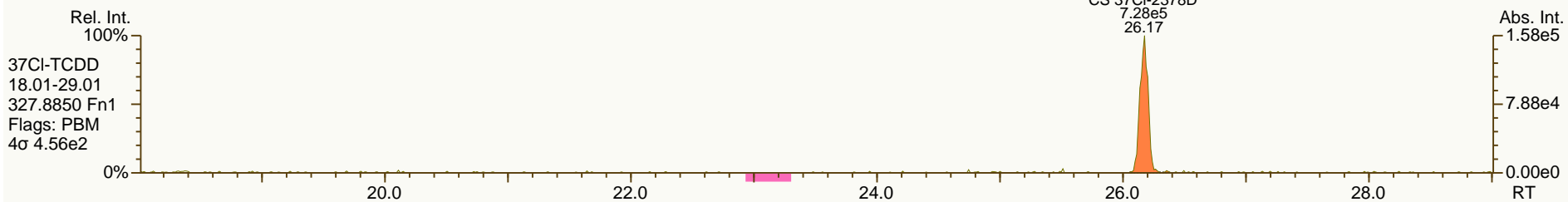
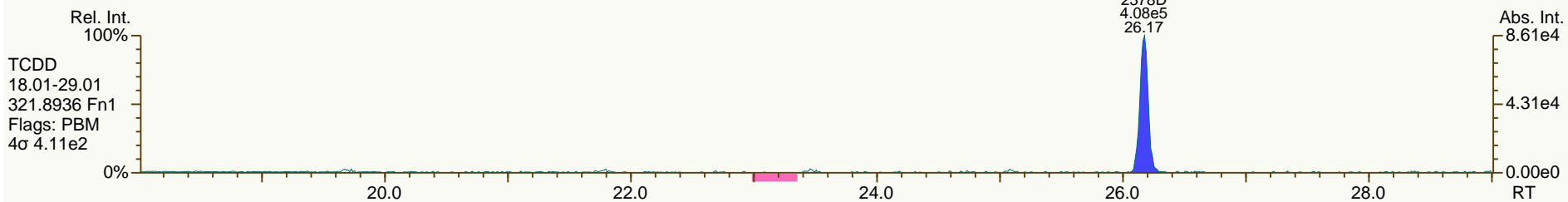
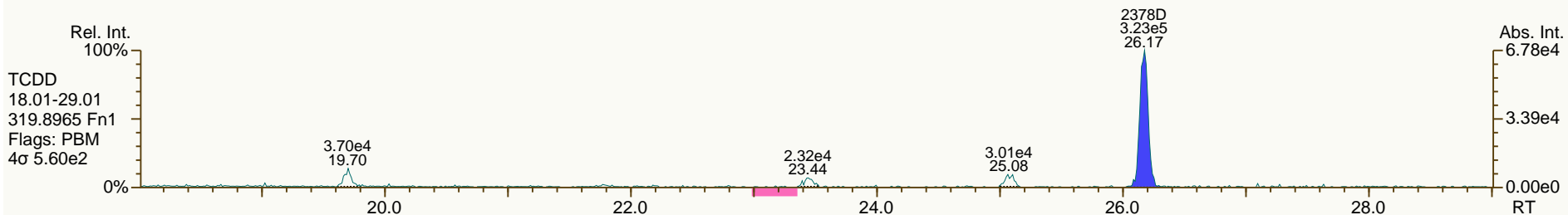
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

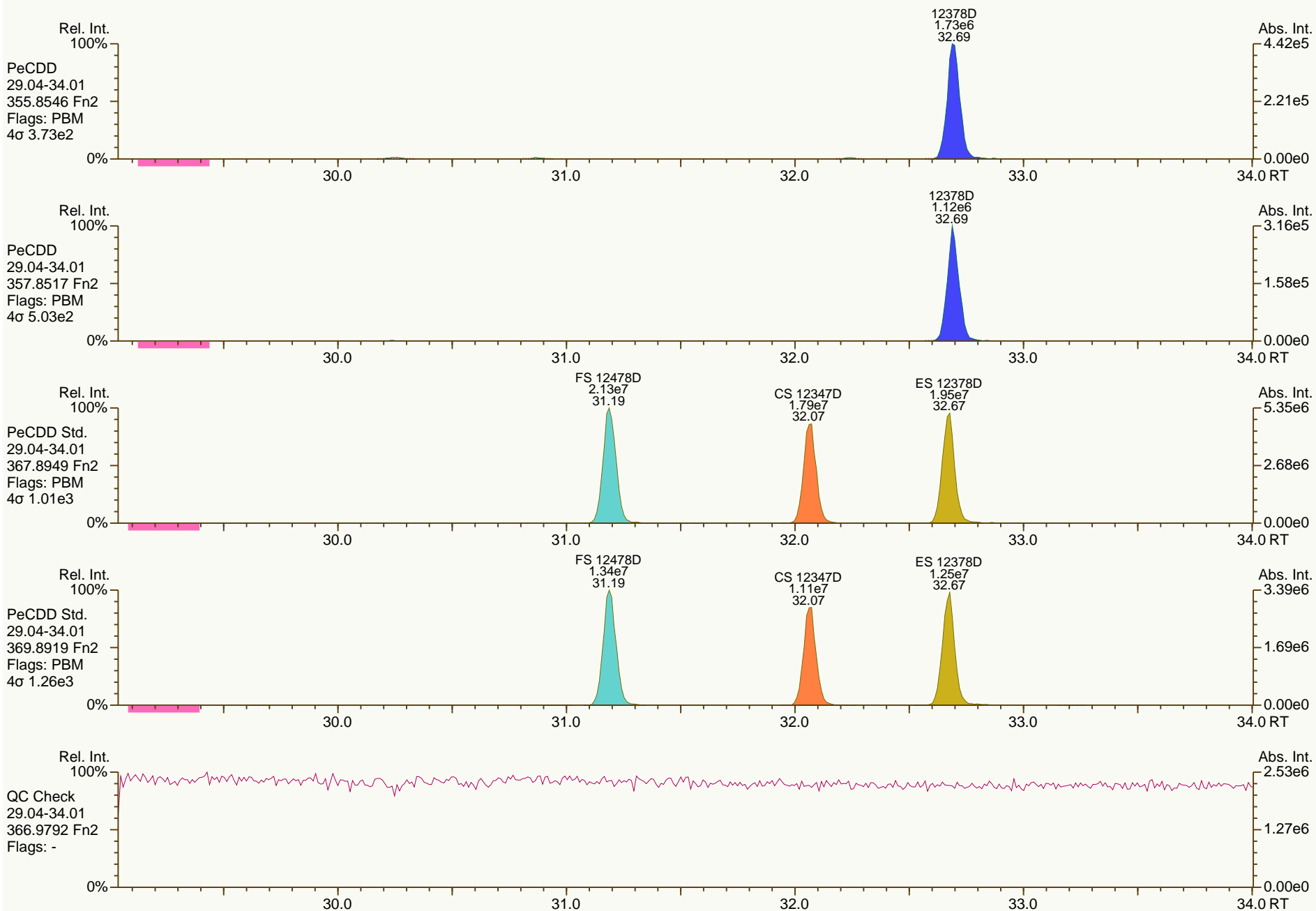
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

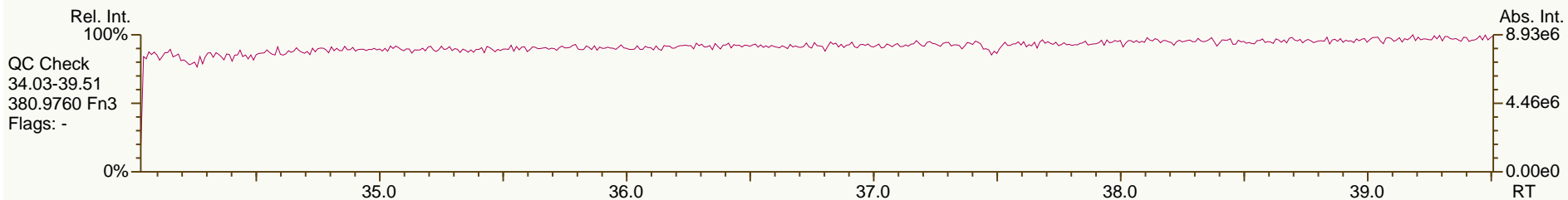
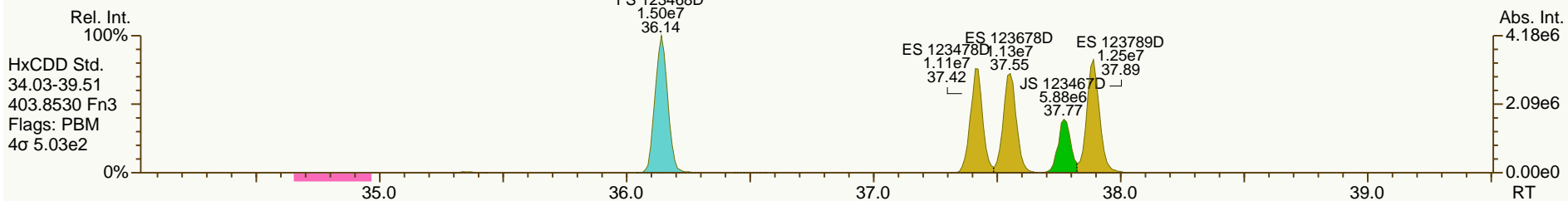
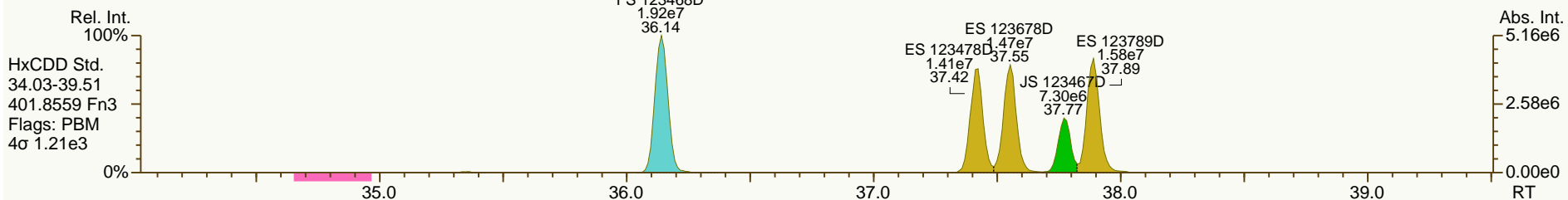
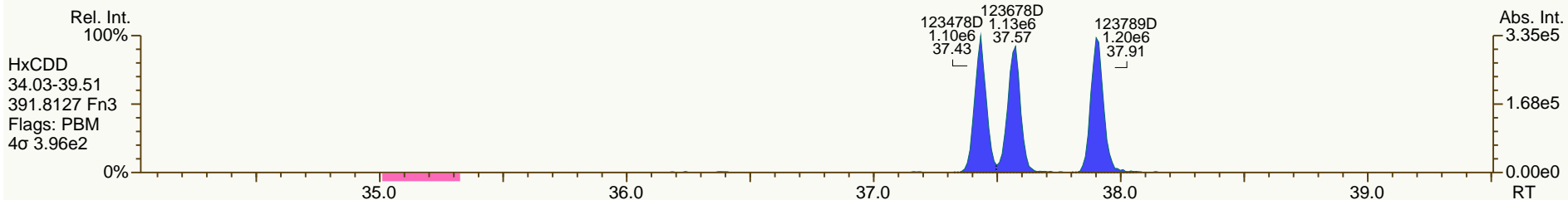
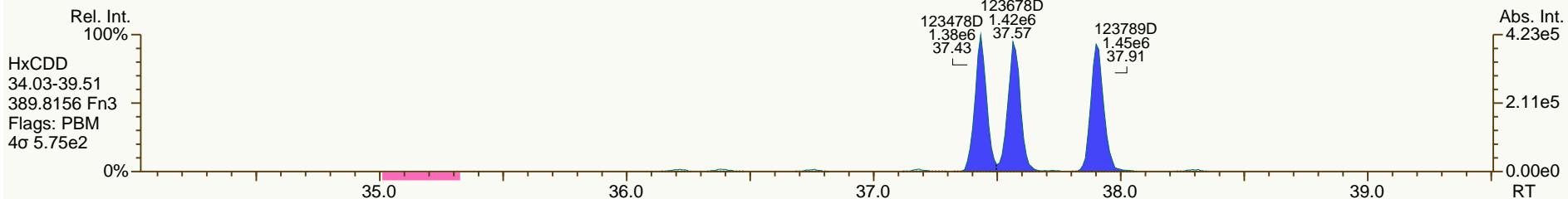
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

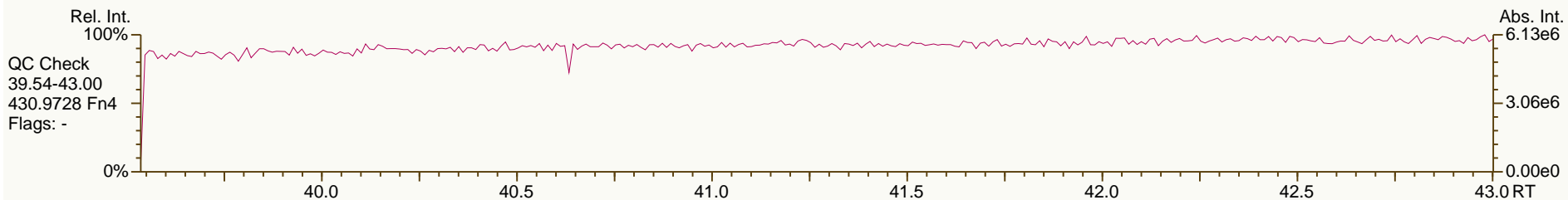
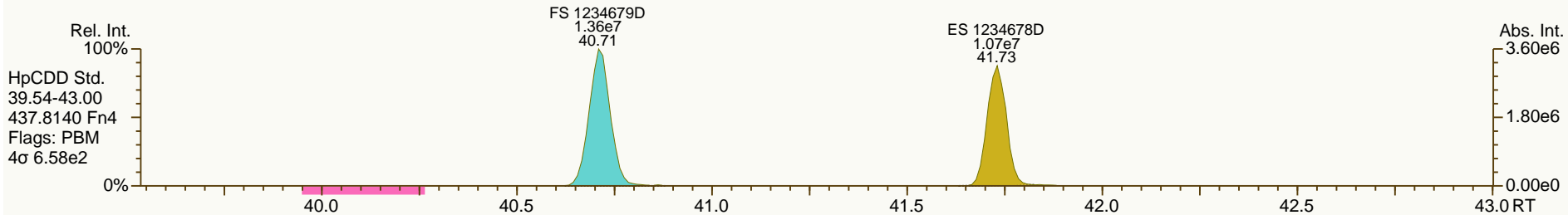
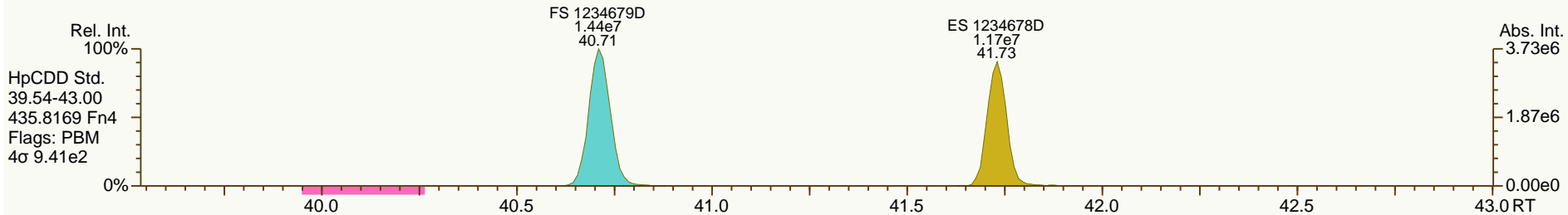
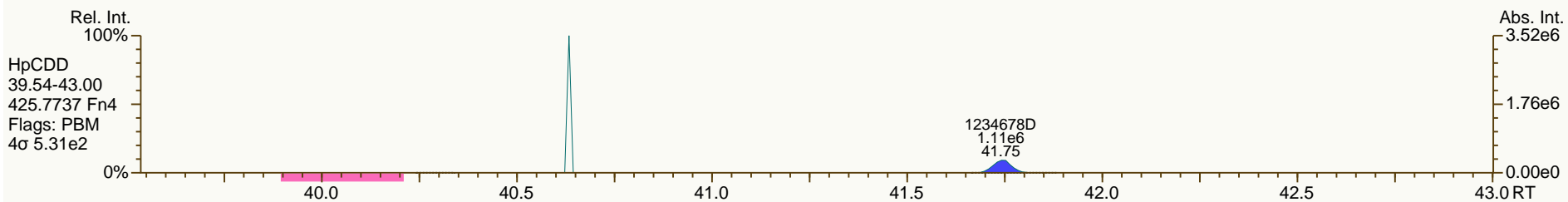
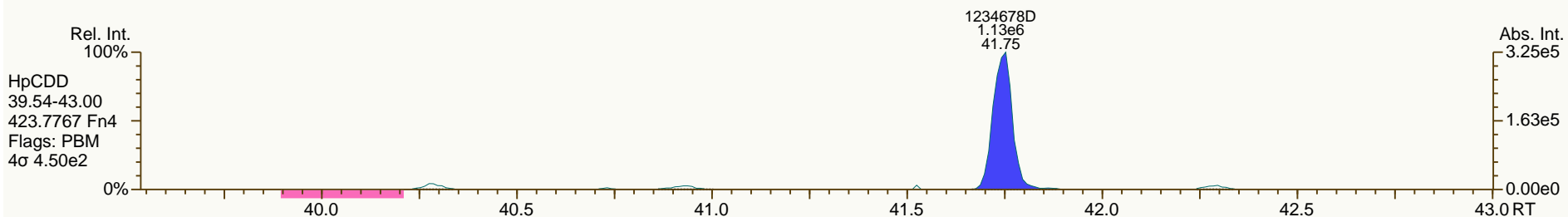
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

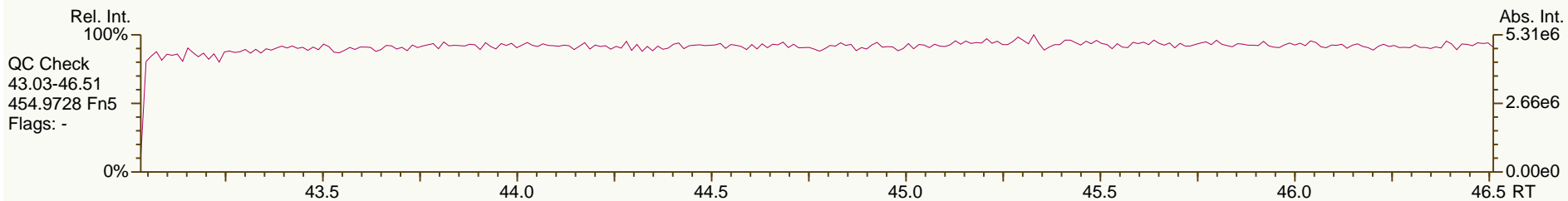
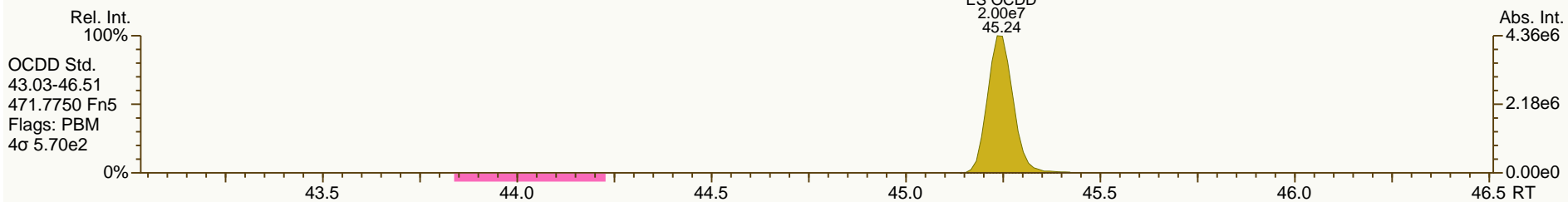
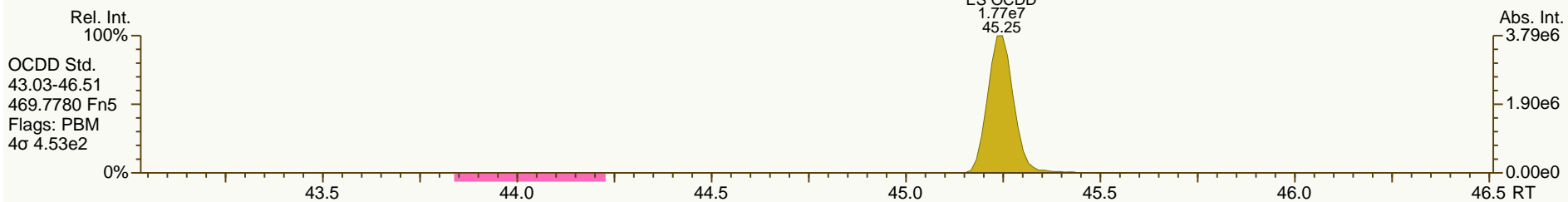
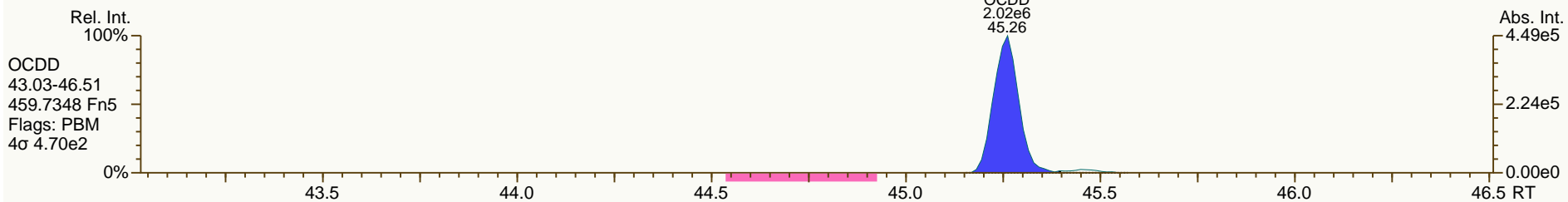
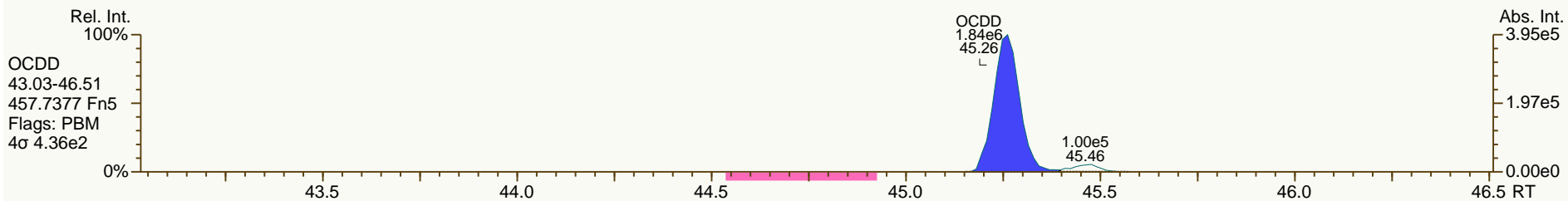
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

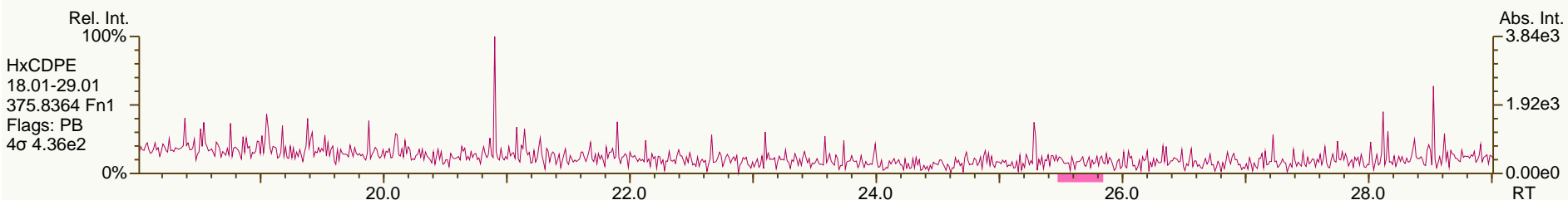
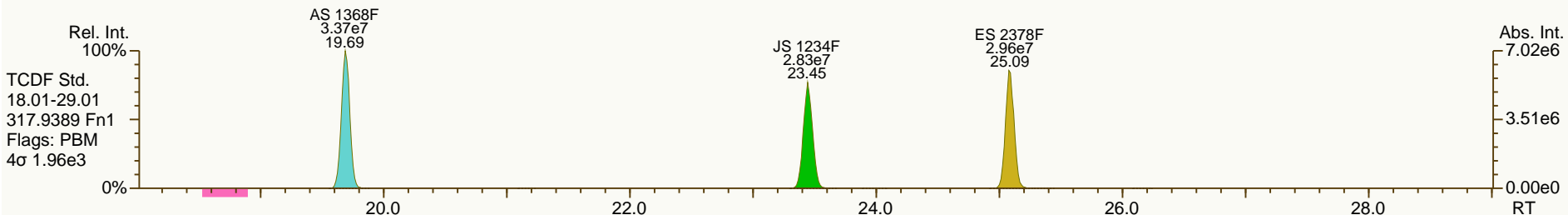
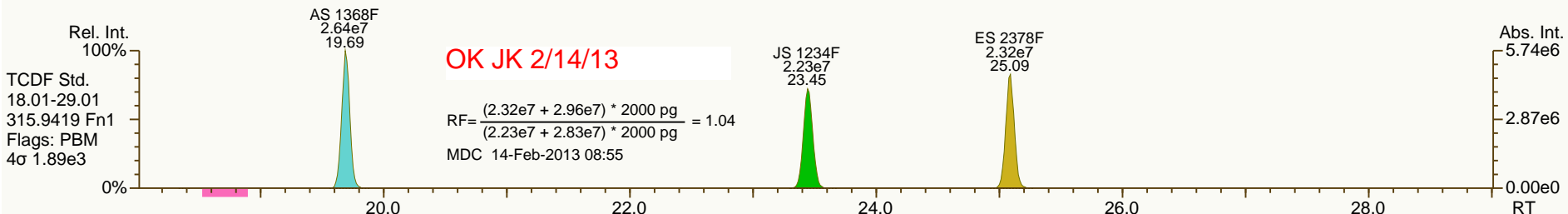
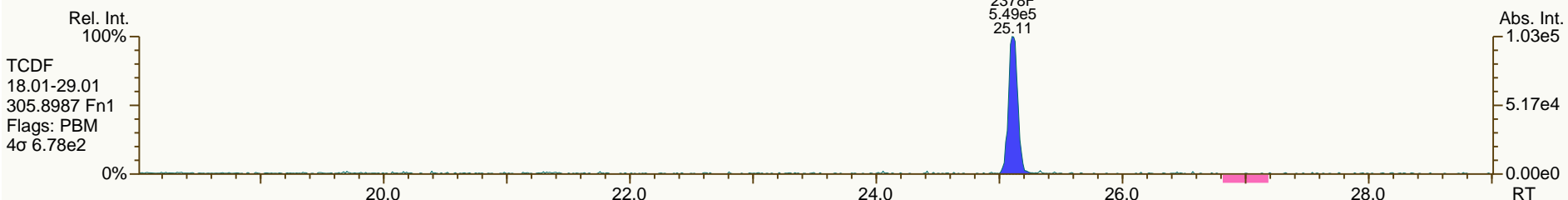
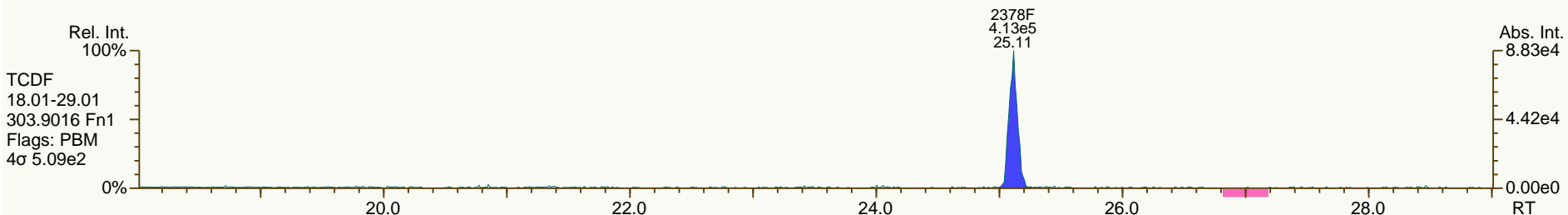
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

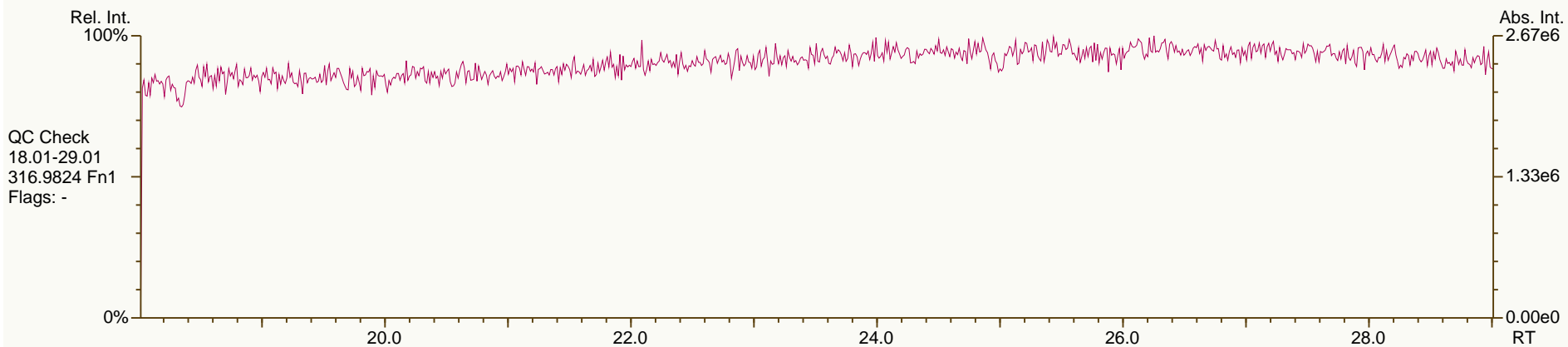
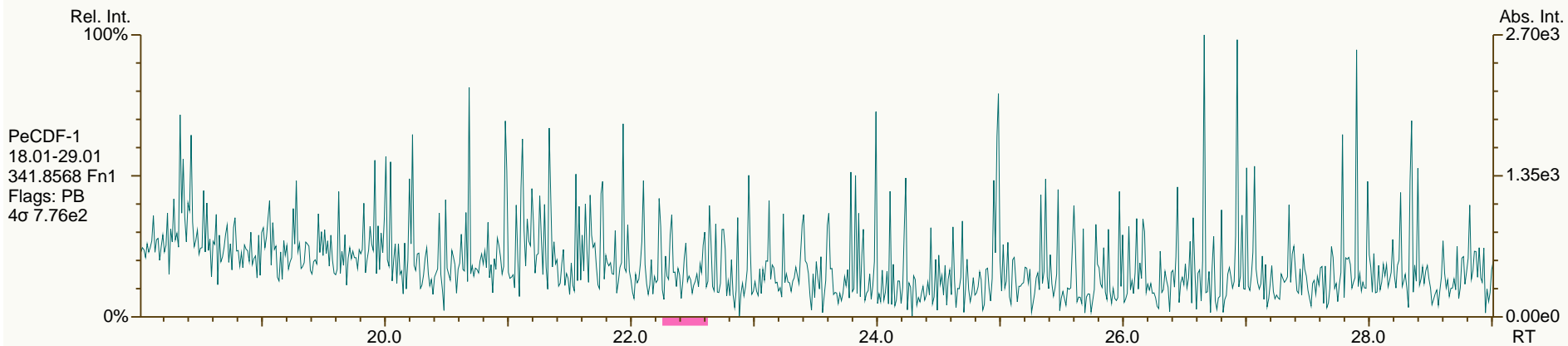
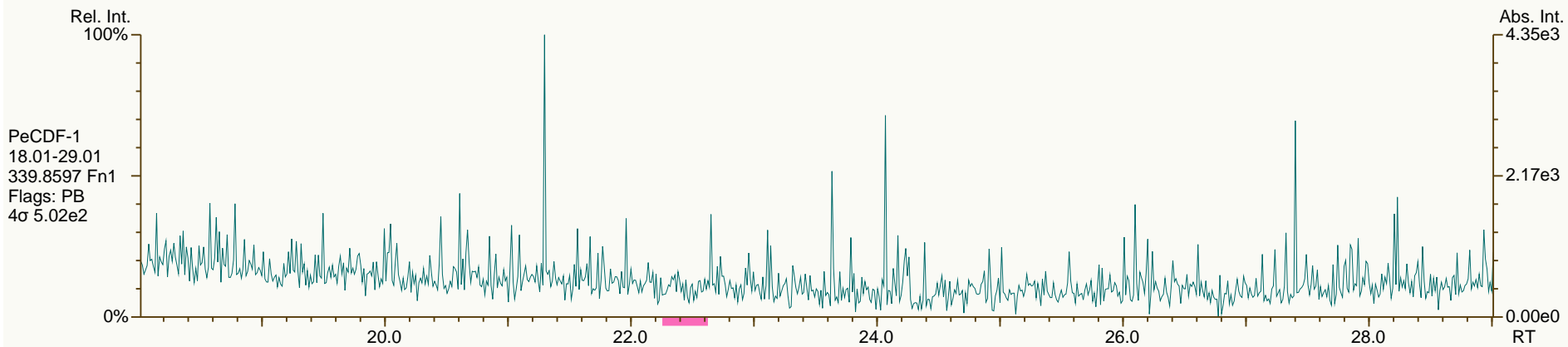
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

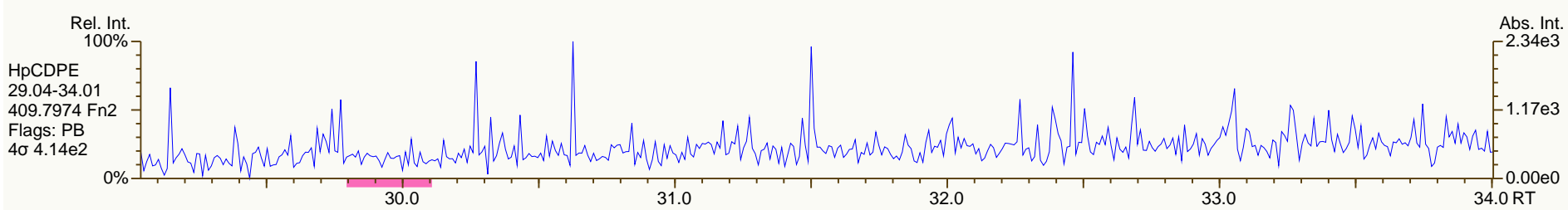
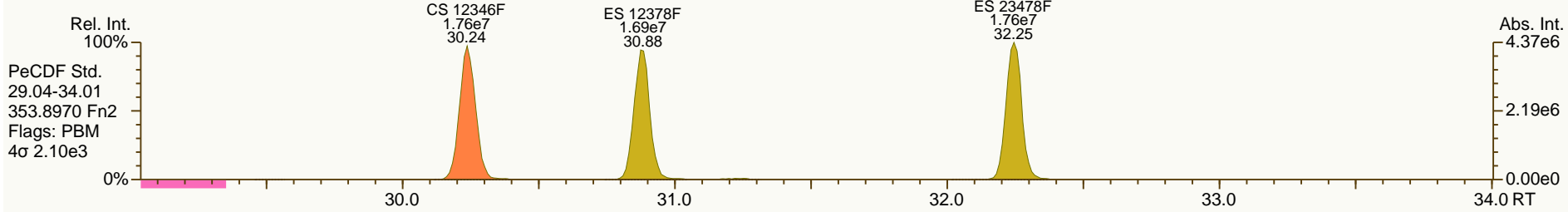
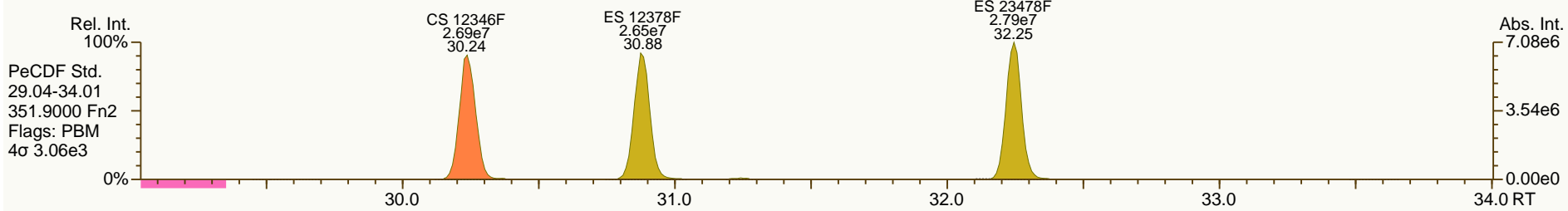
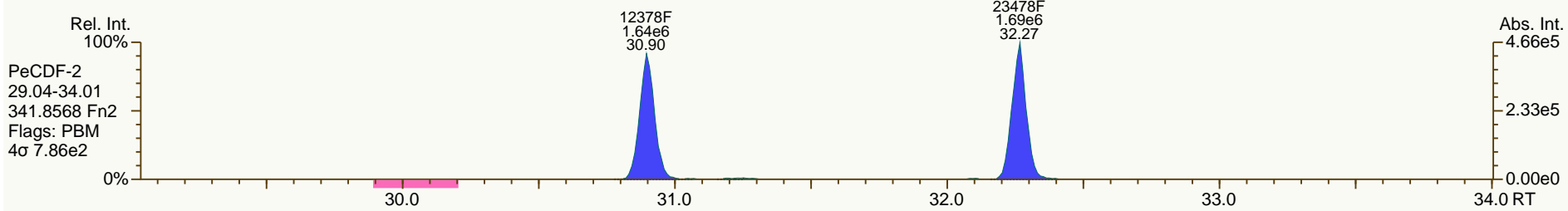
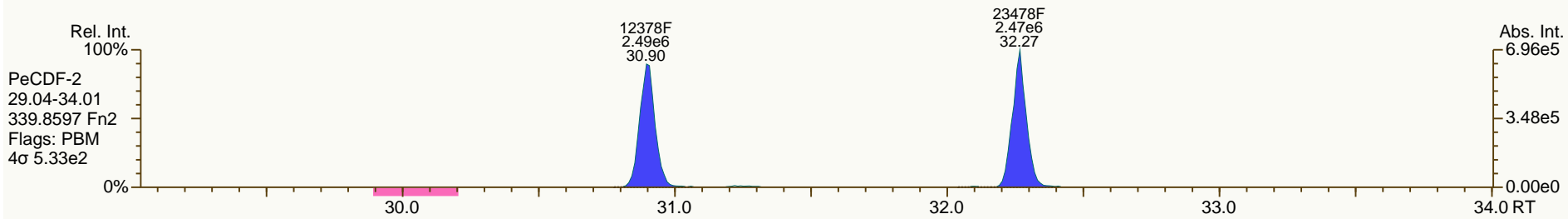
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

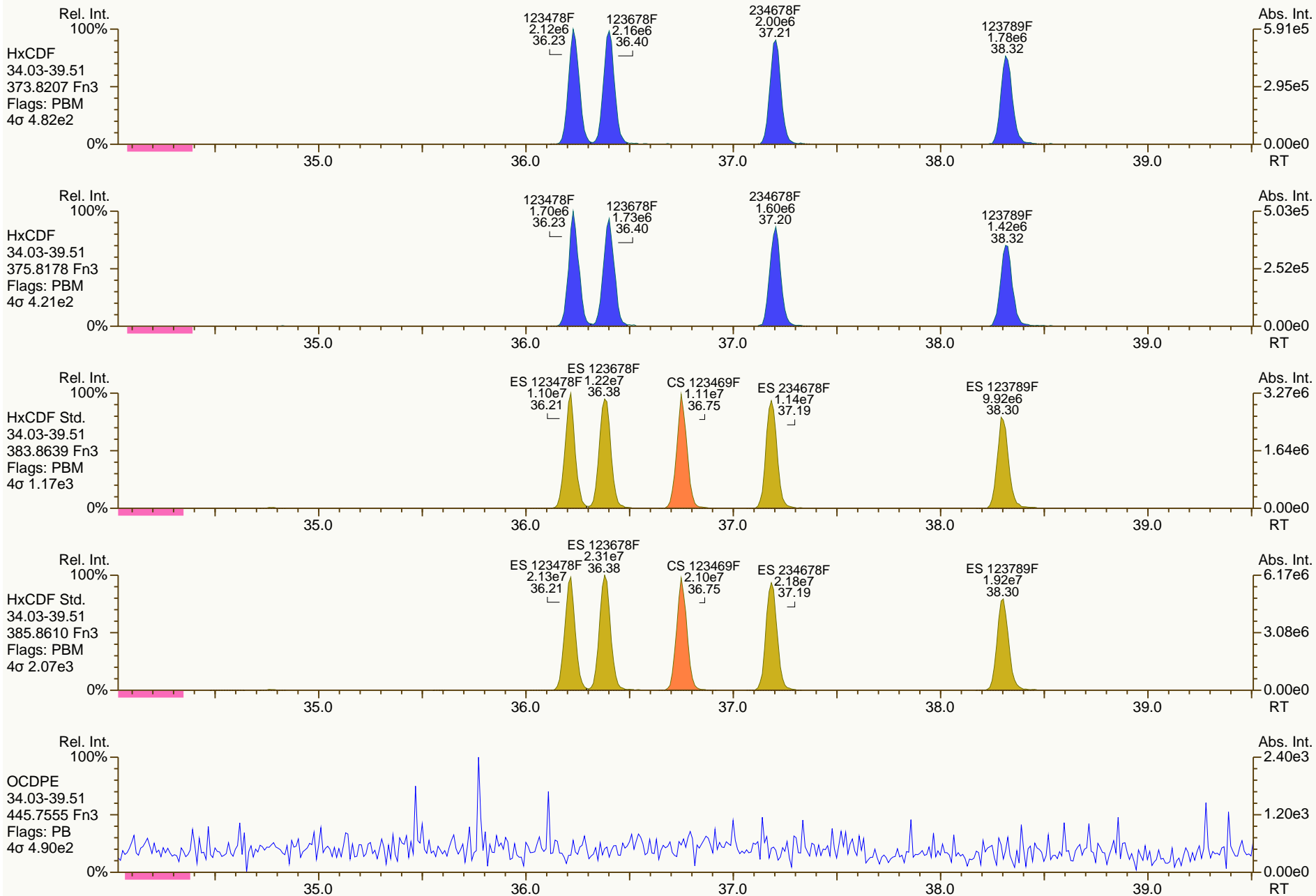
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

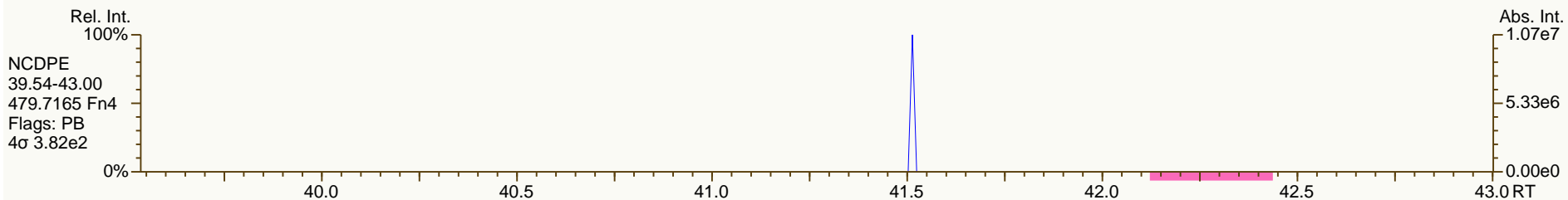
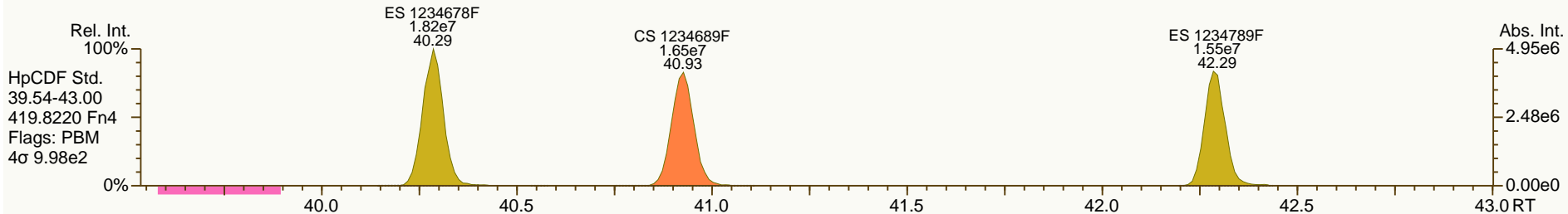
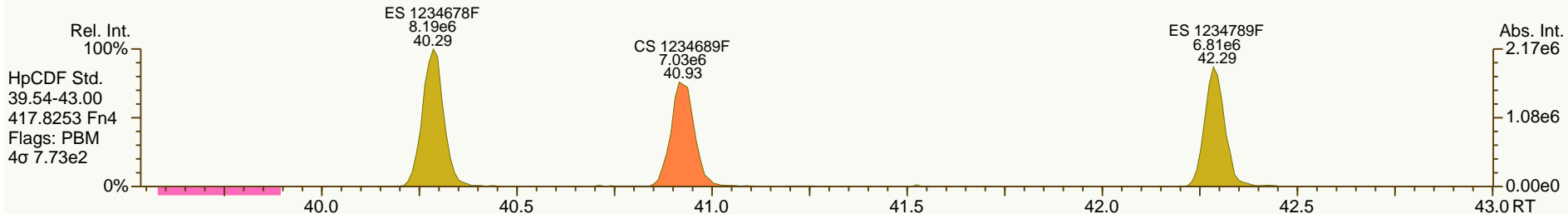
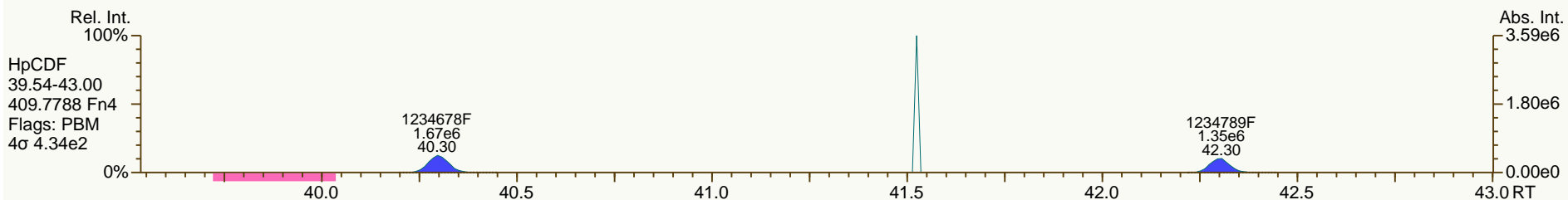
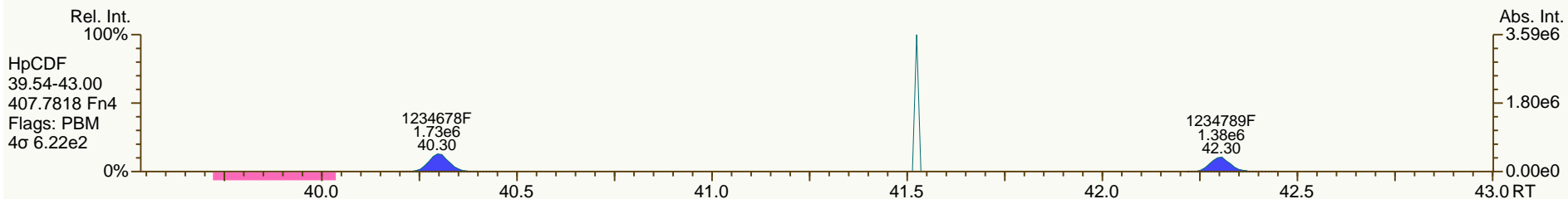
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

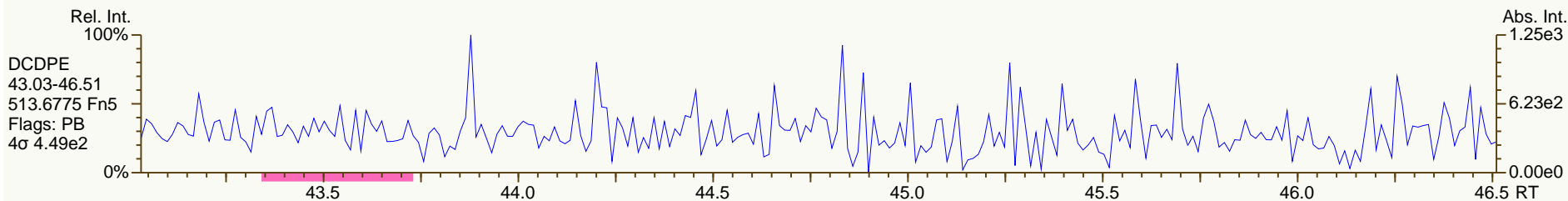
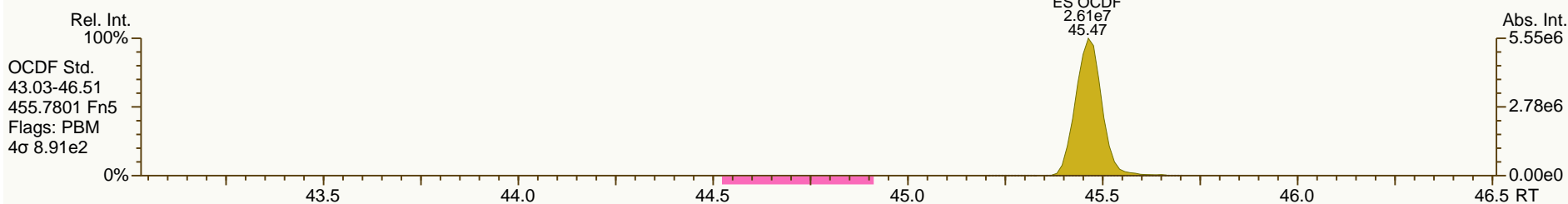
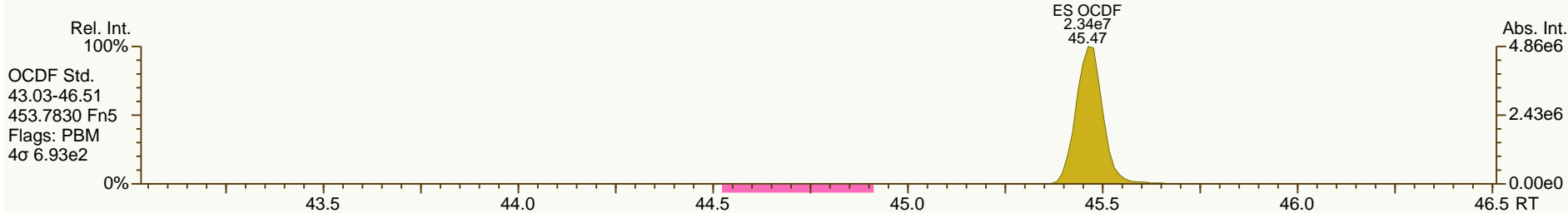
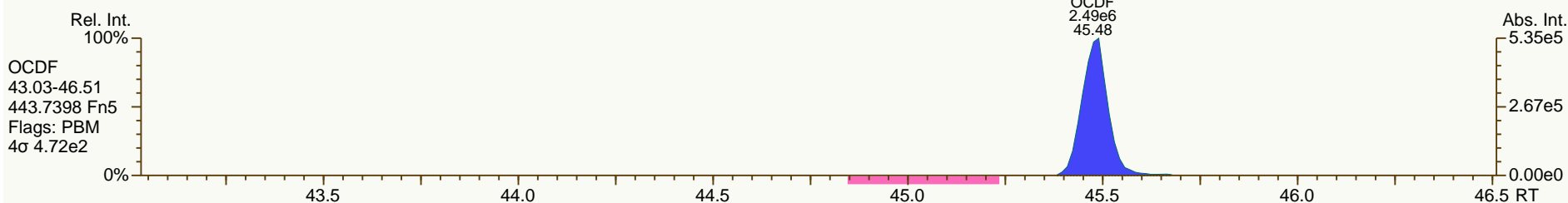
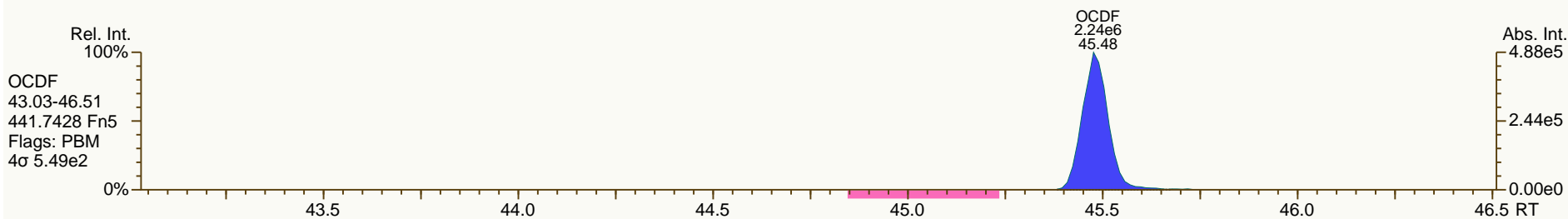
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
User: MDC Datafile: 130213P2-04



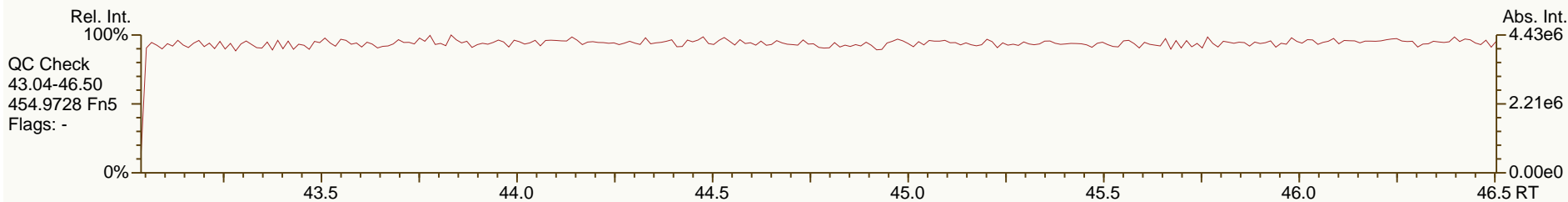
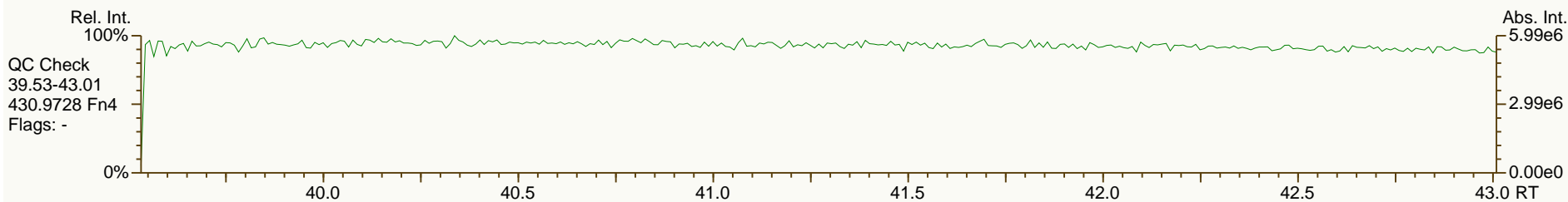
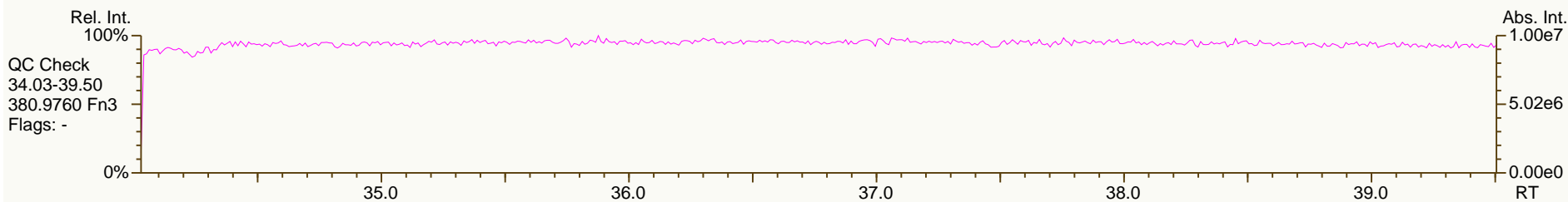
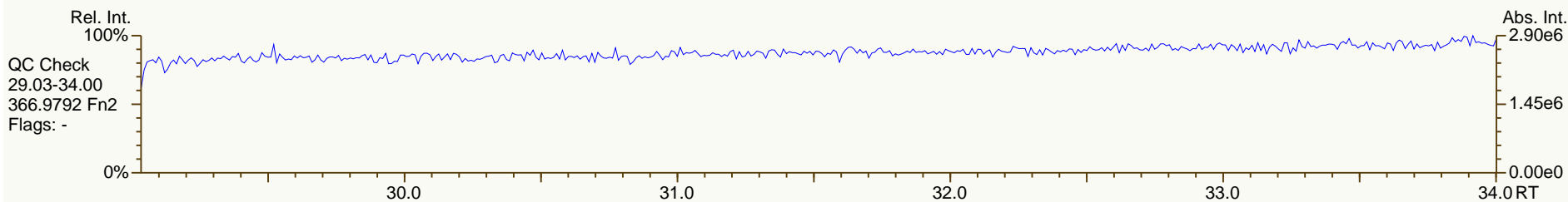
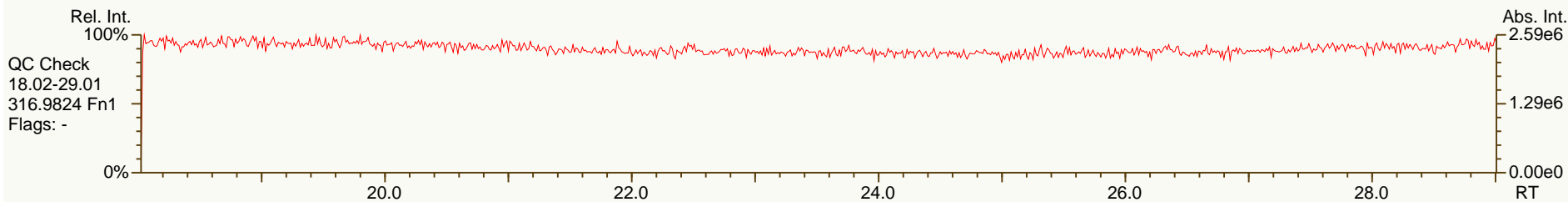
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

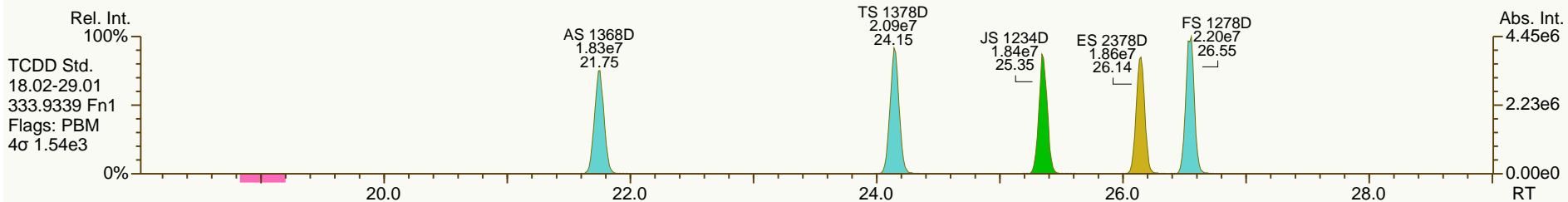
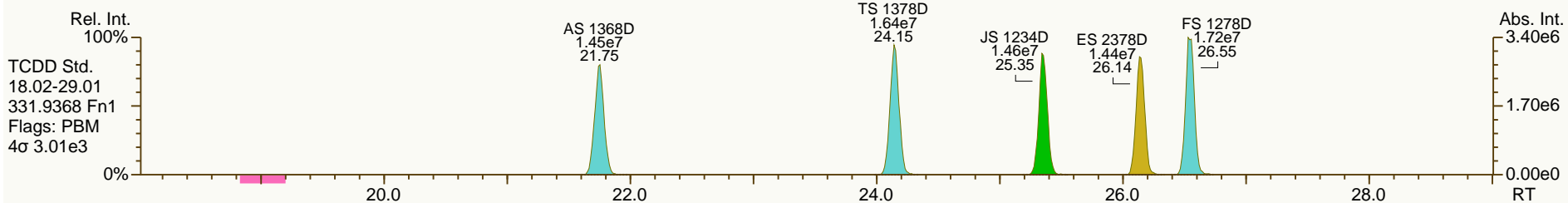
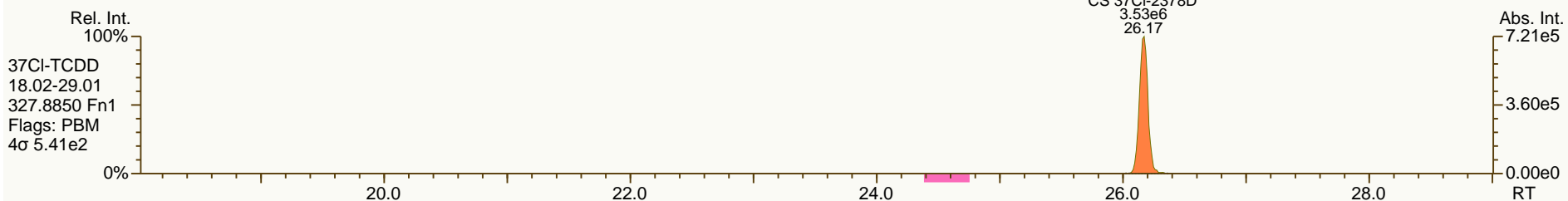
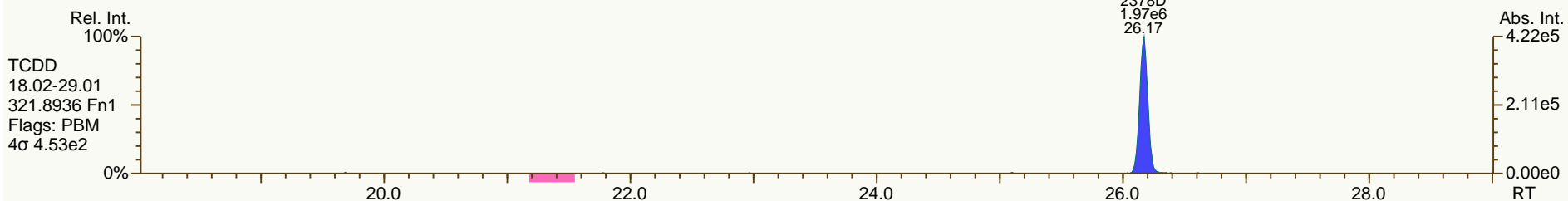
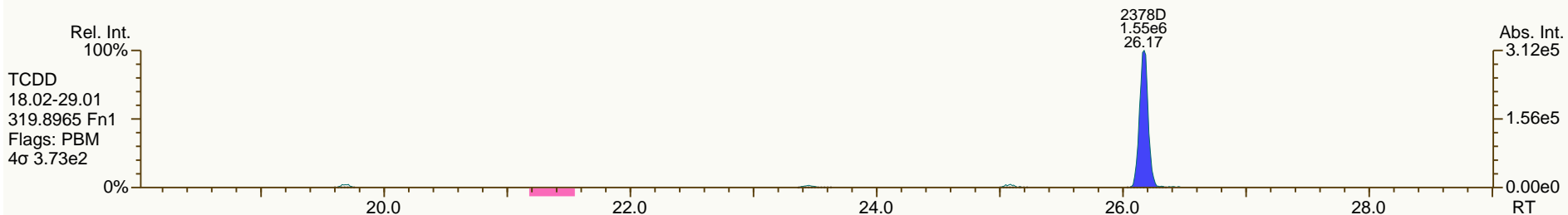
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

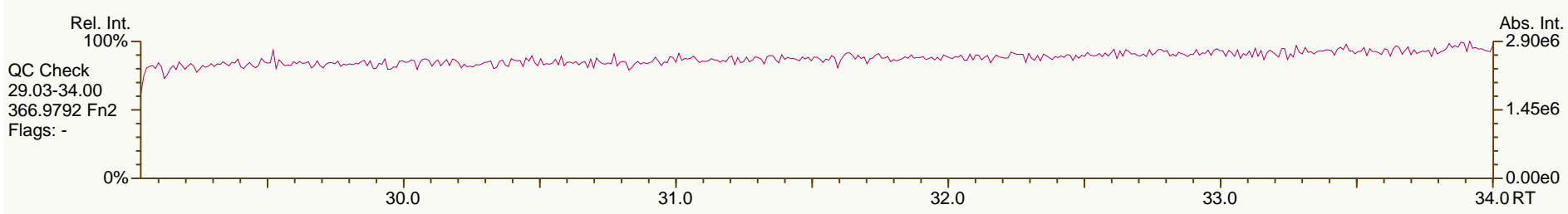
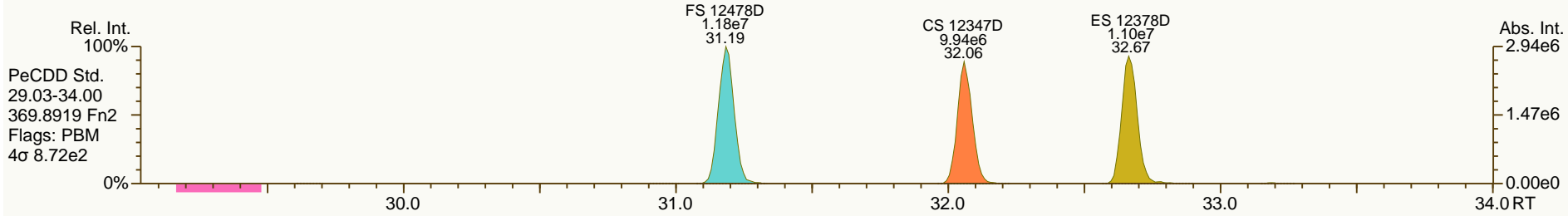
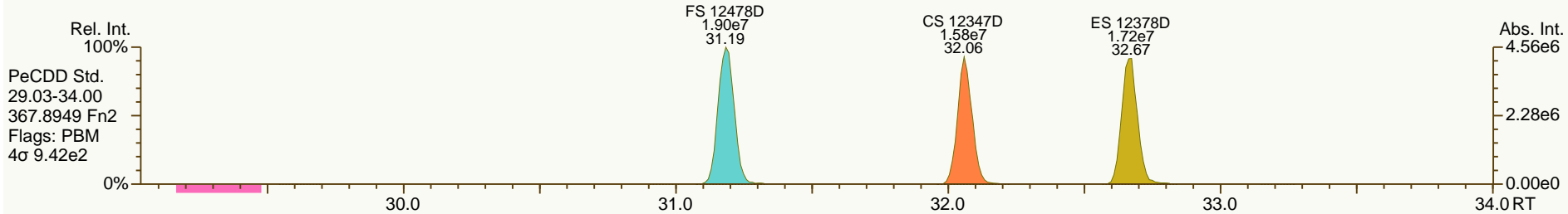
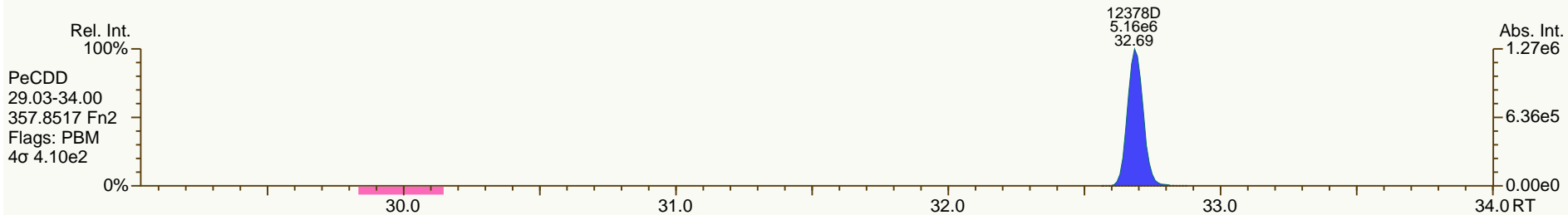
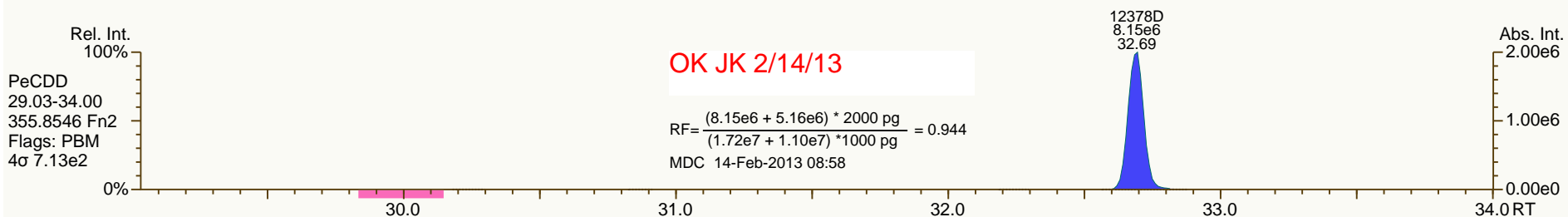
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

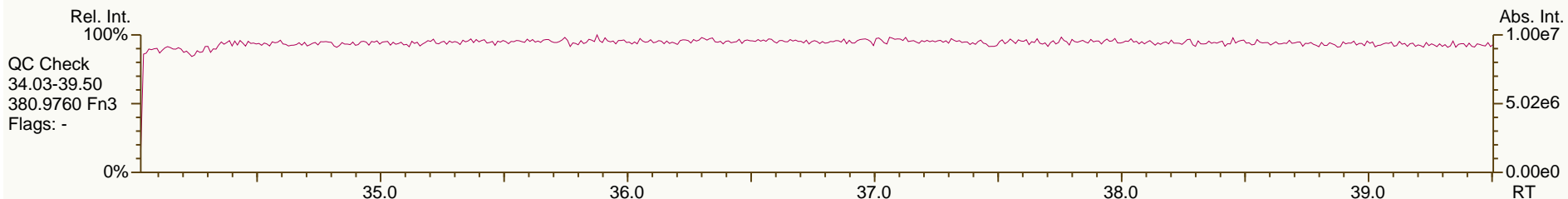
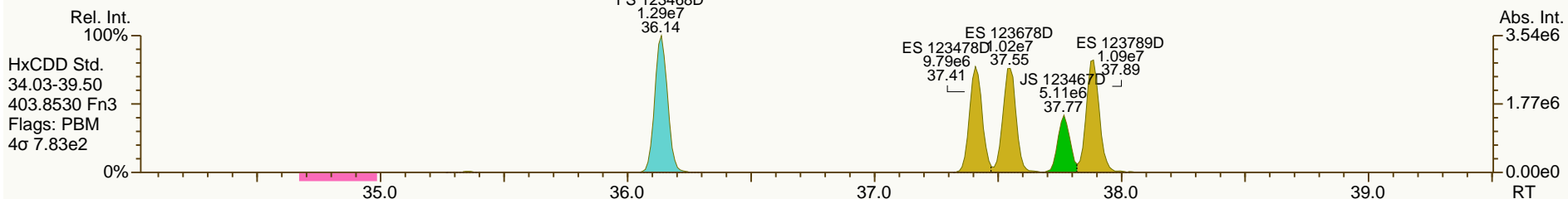
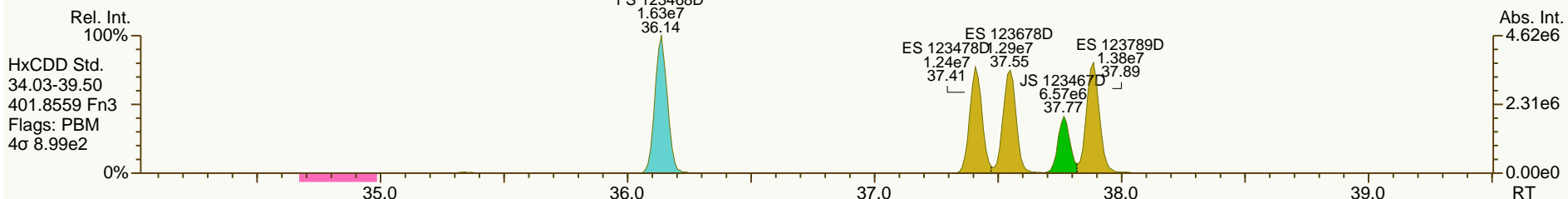
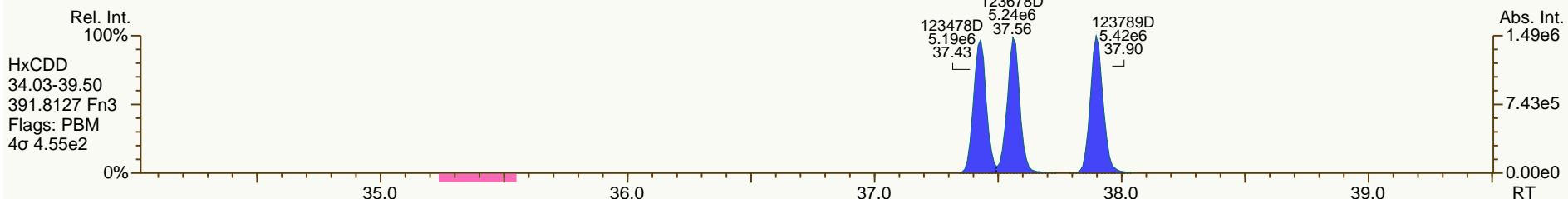
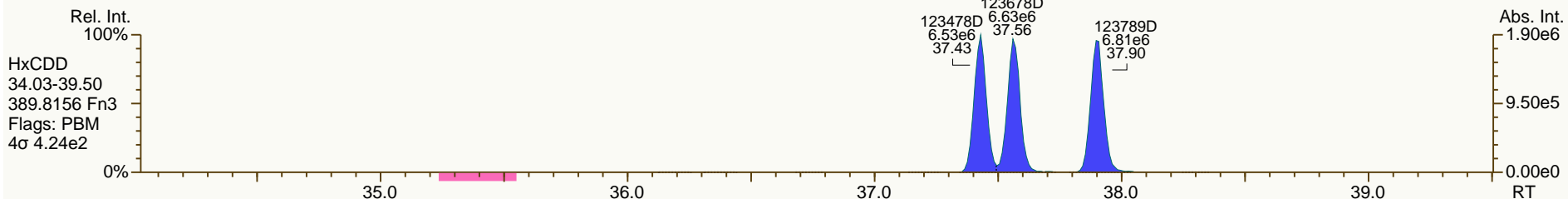
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 User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

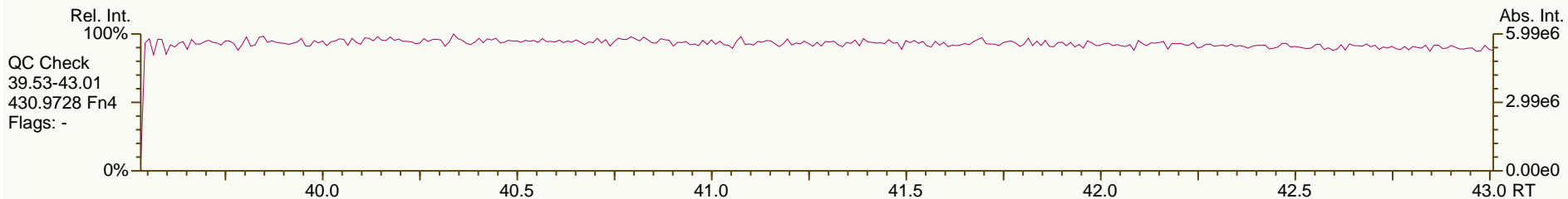
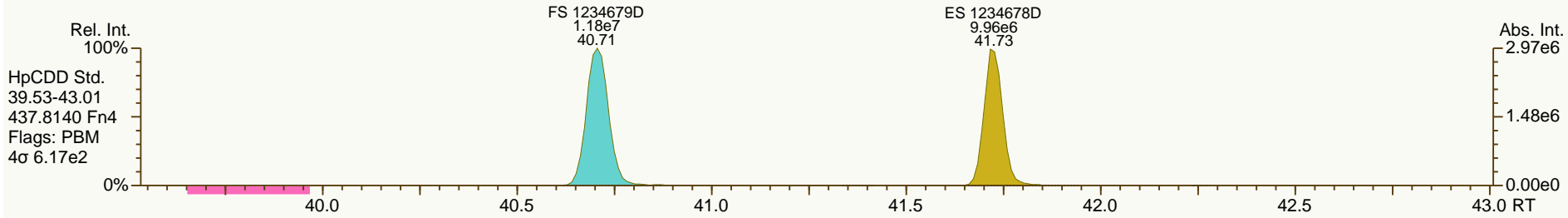
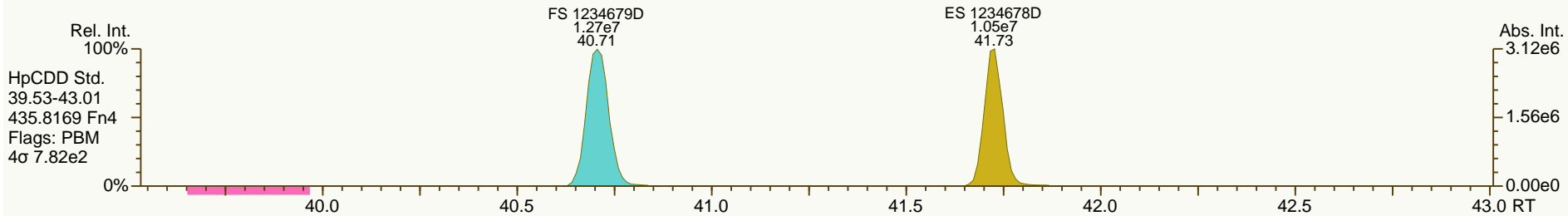
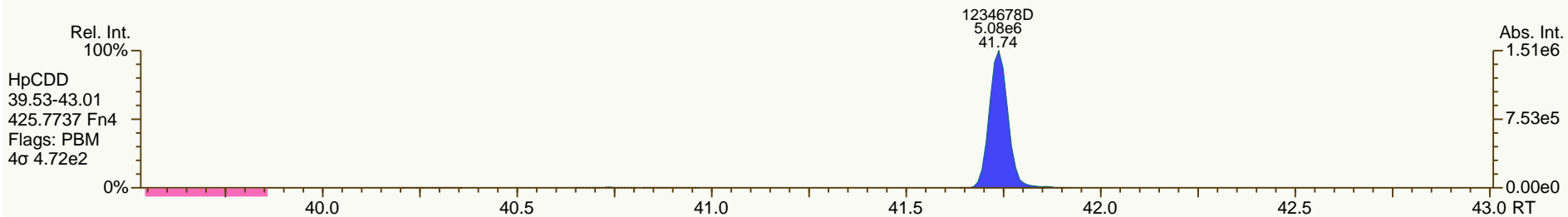
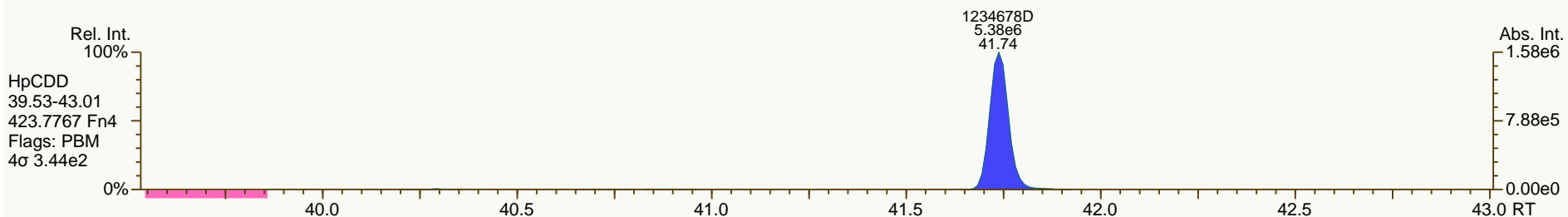
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

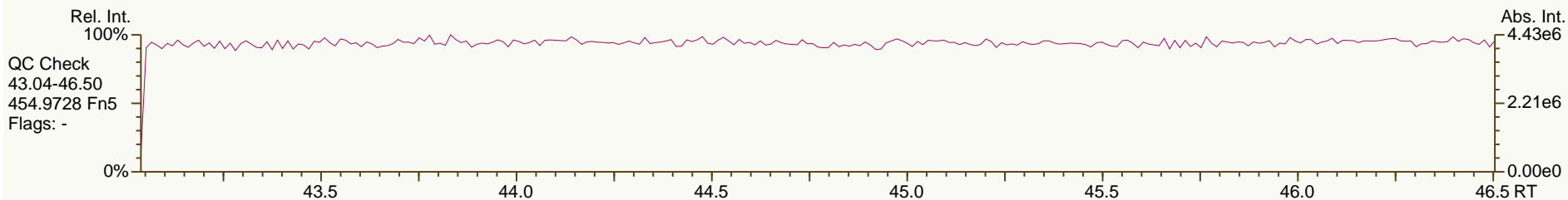
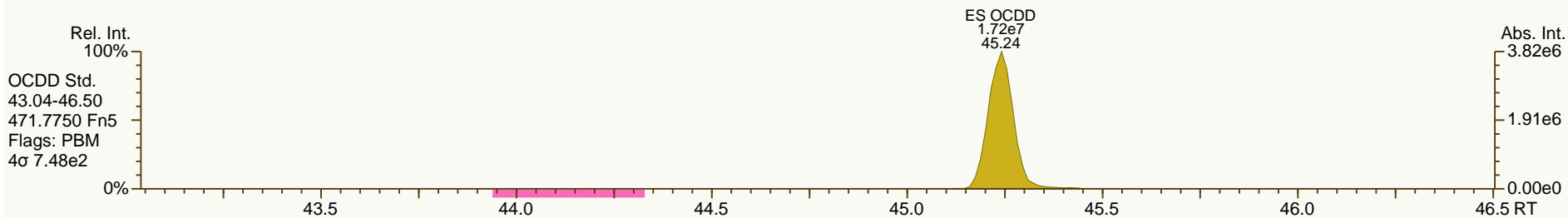
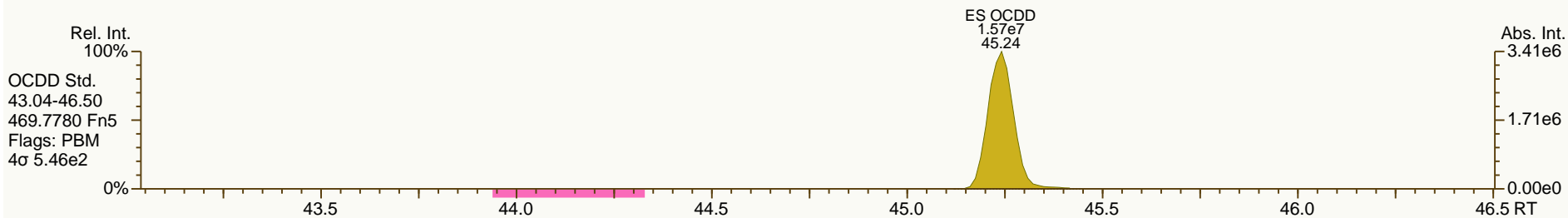
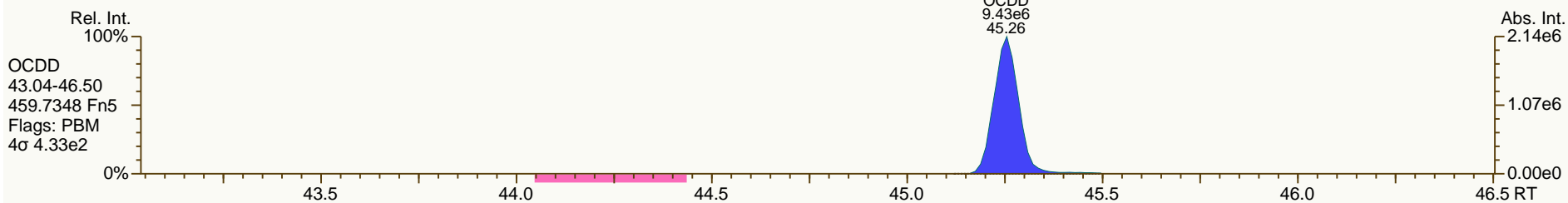
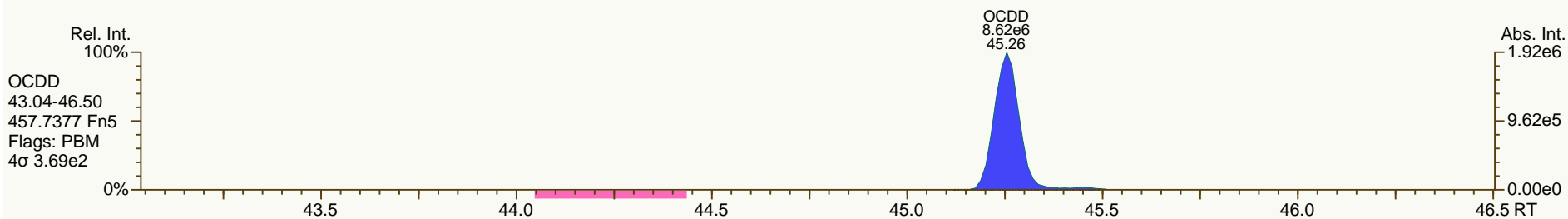
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

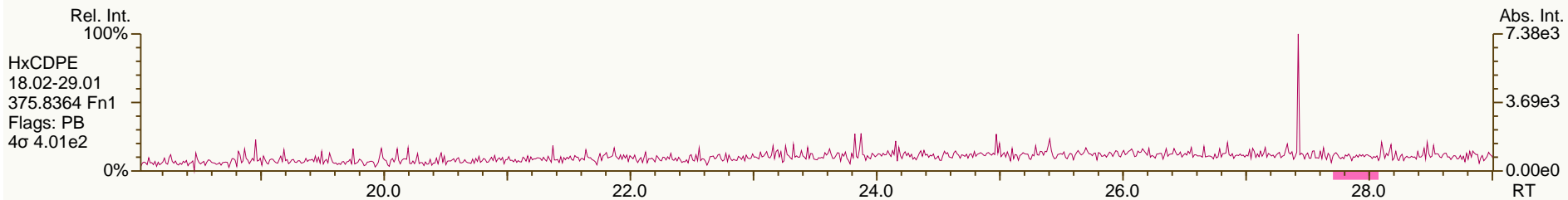
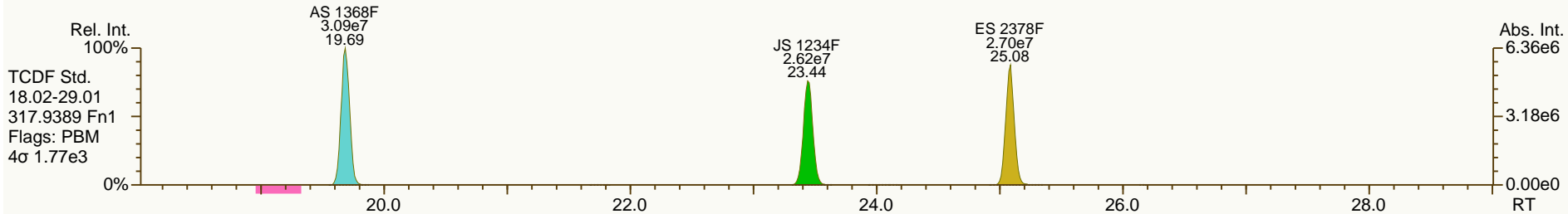
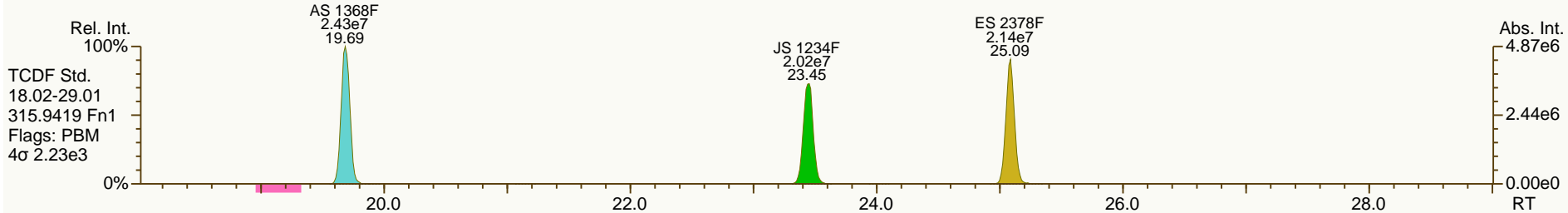
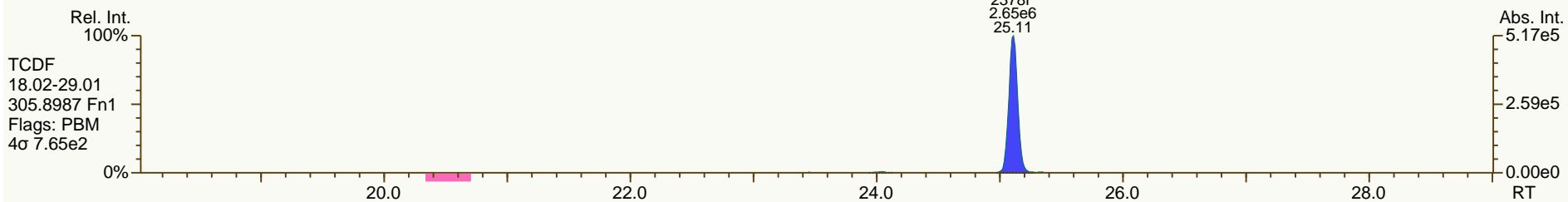
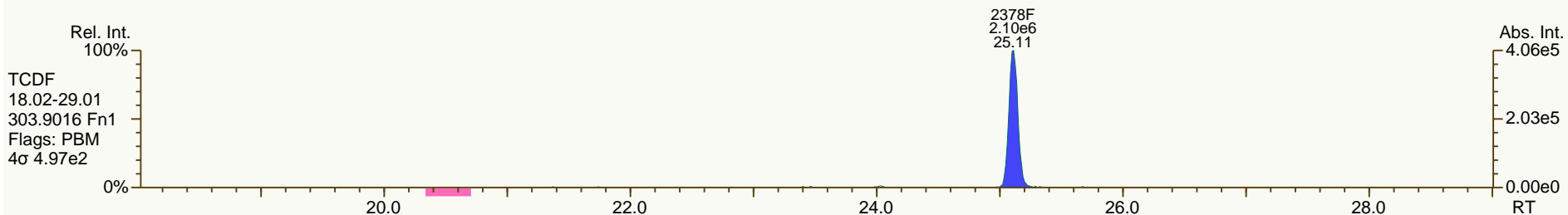
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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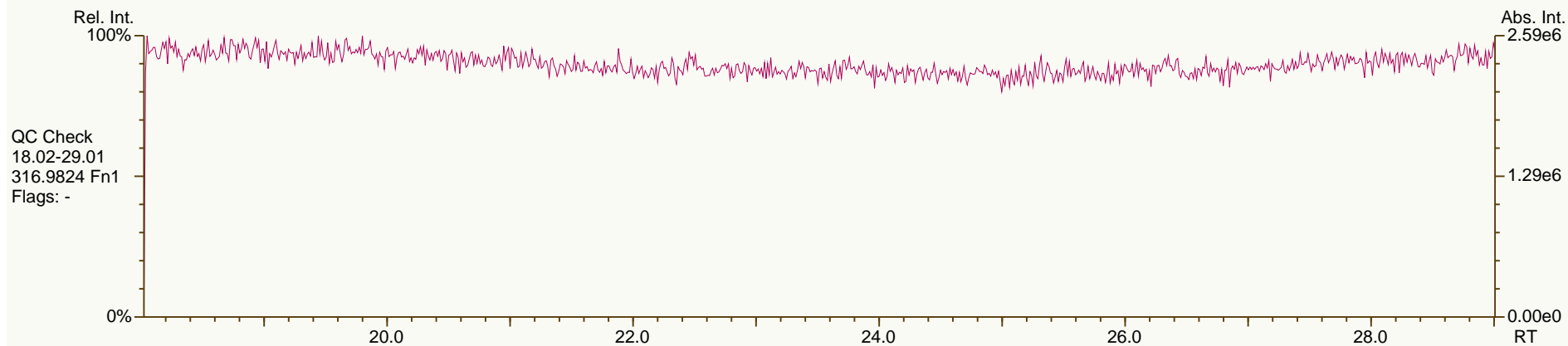
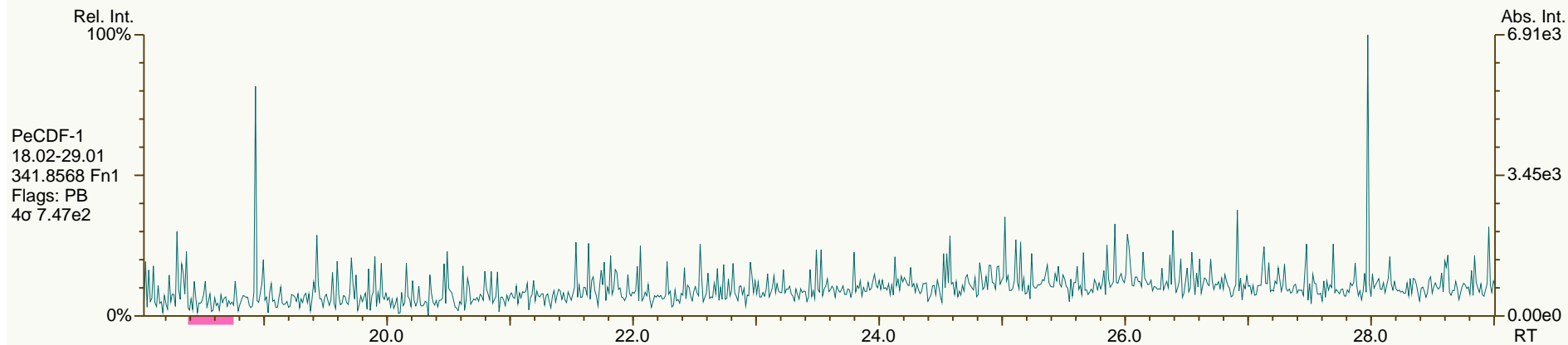
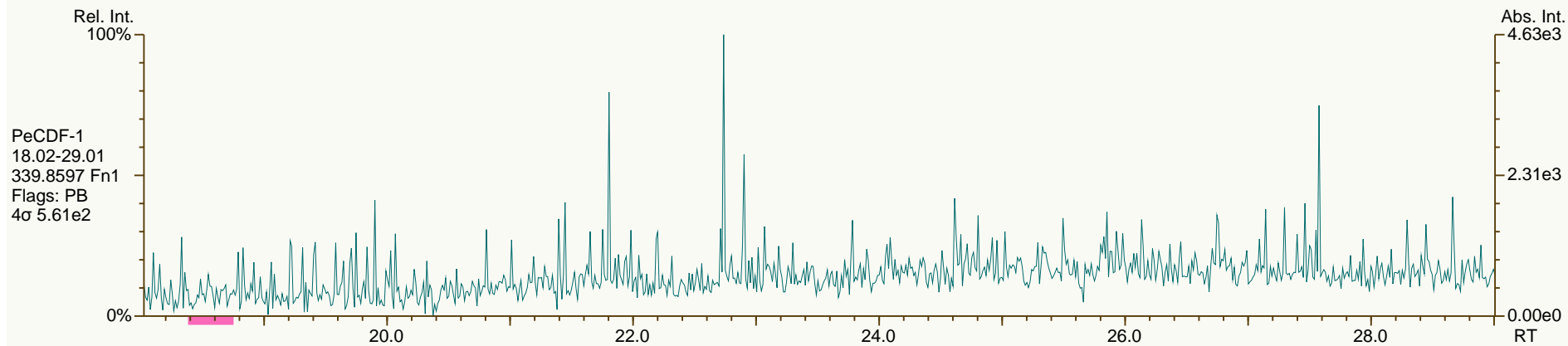
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

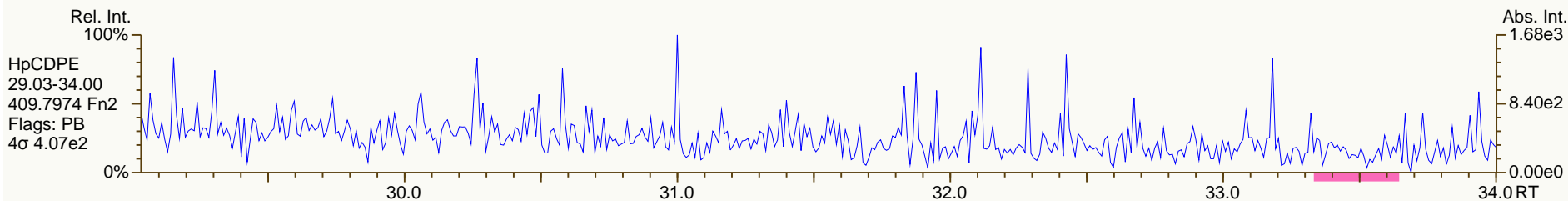
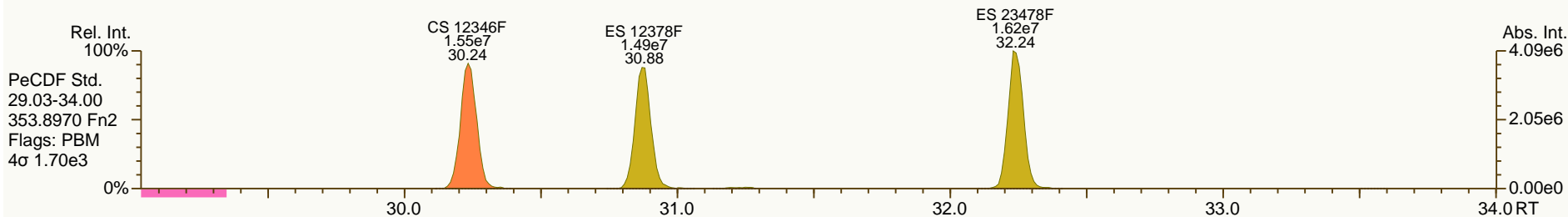
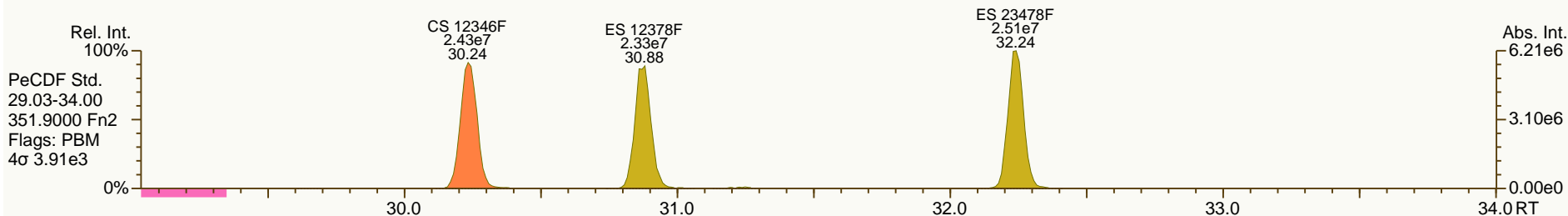
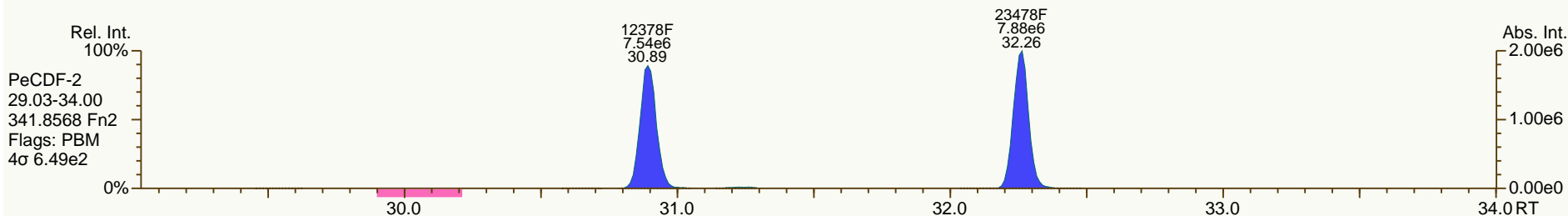
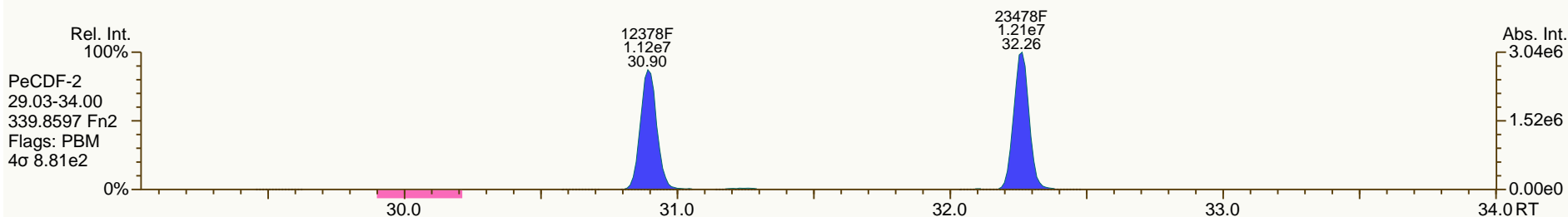
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

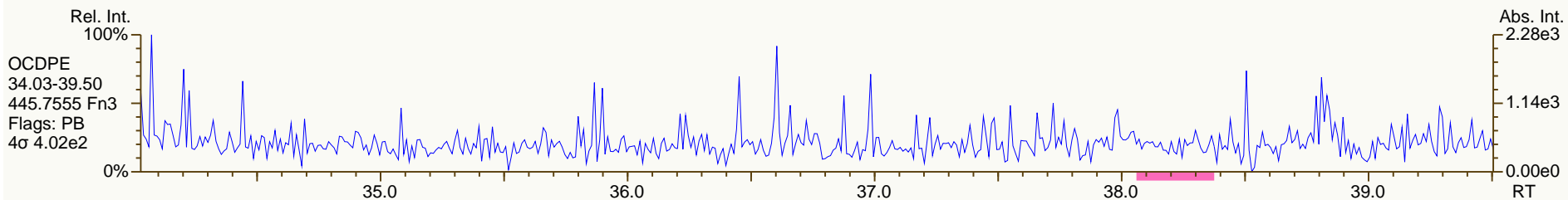
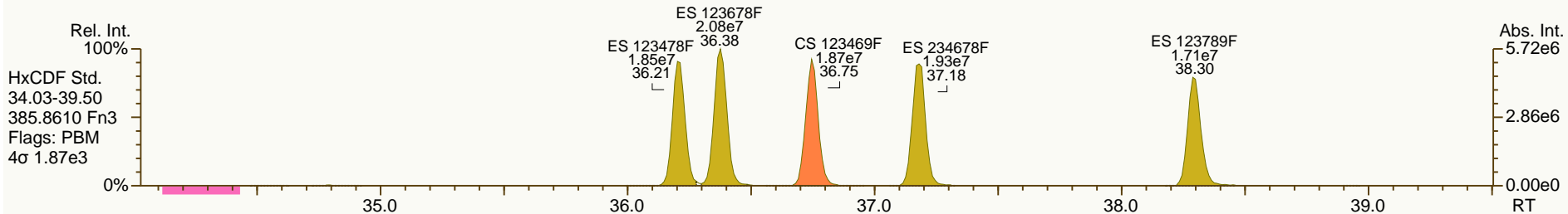
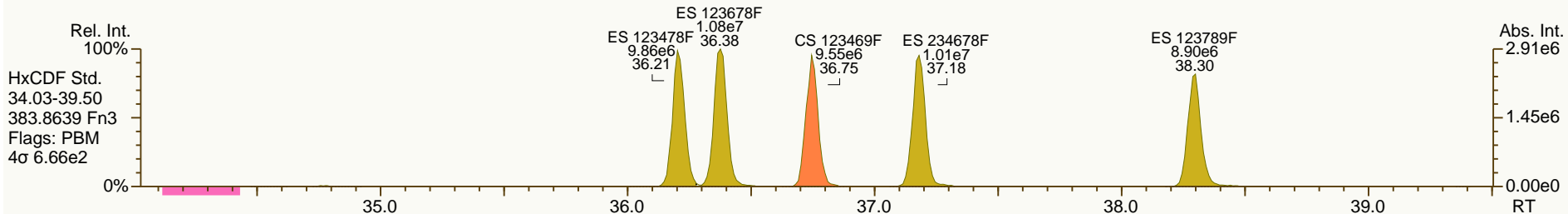
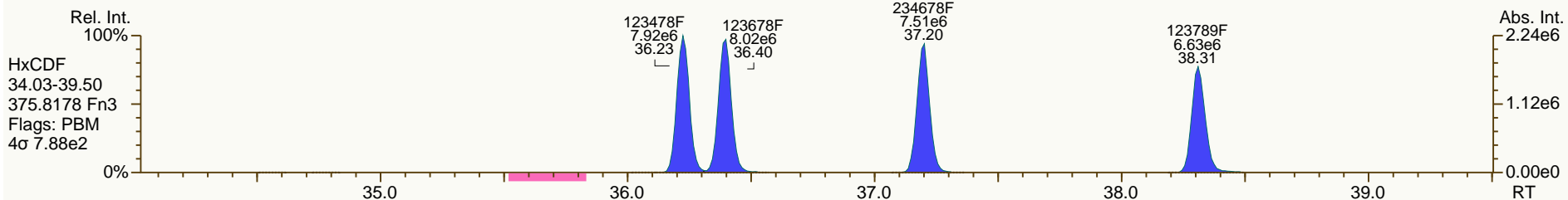
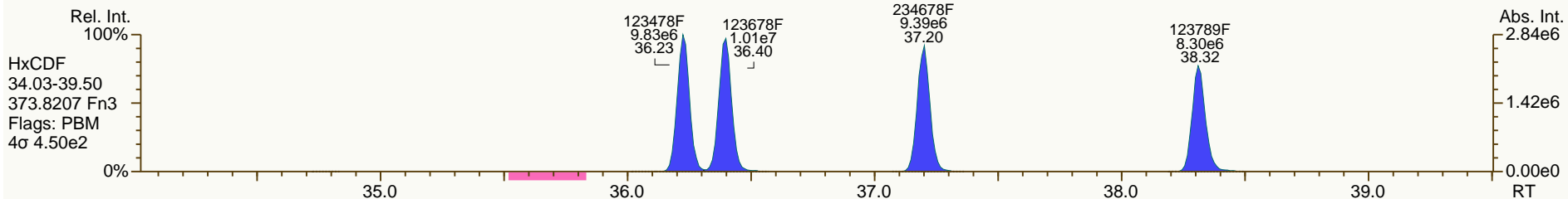
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

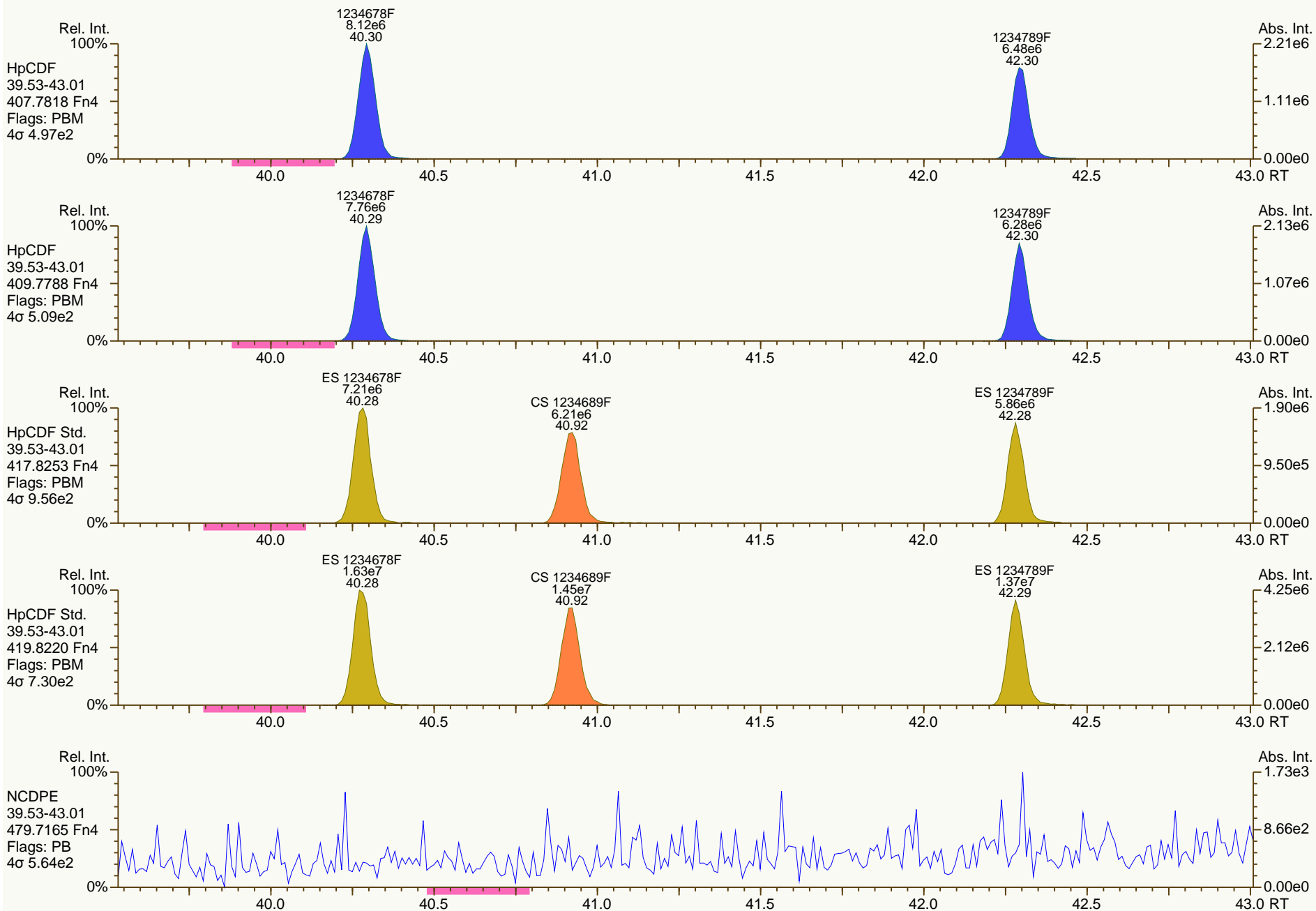
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

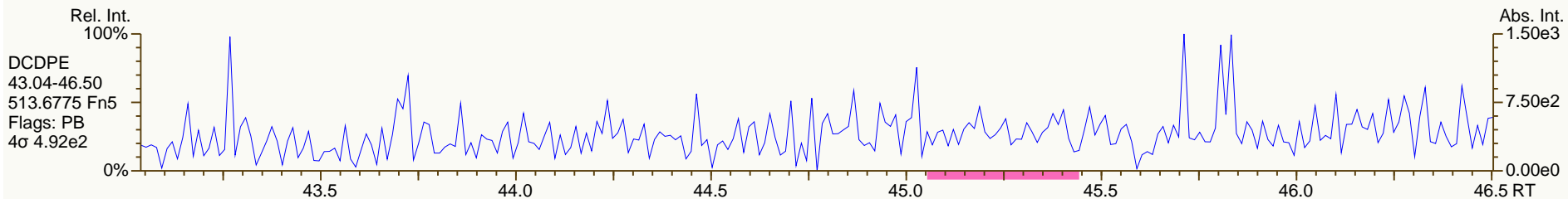
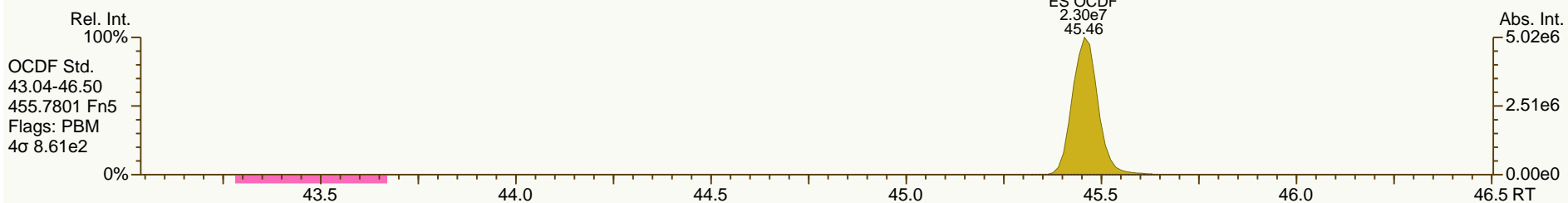
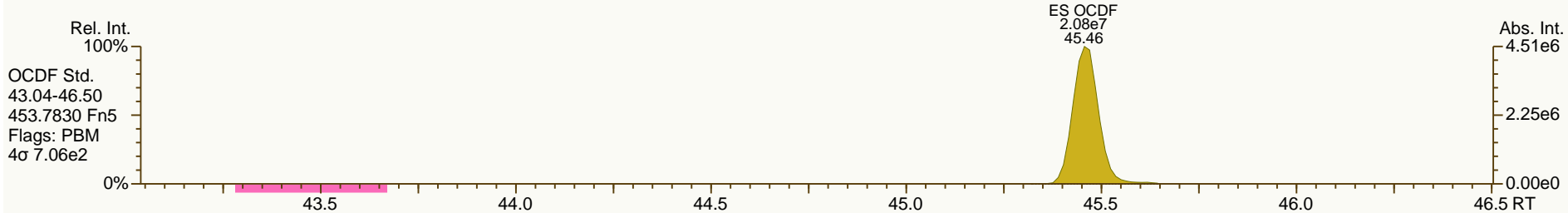
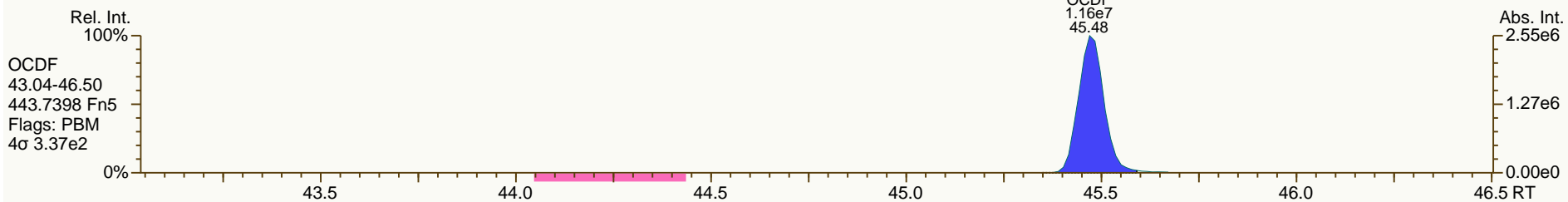
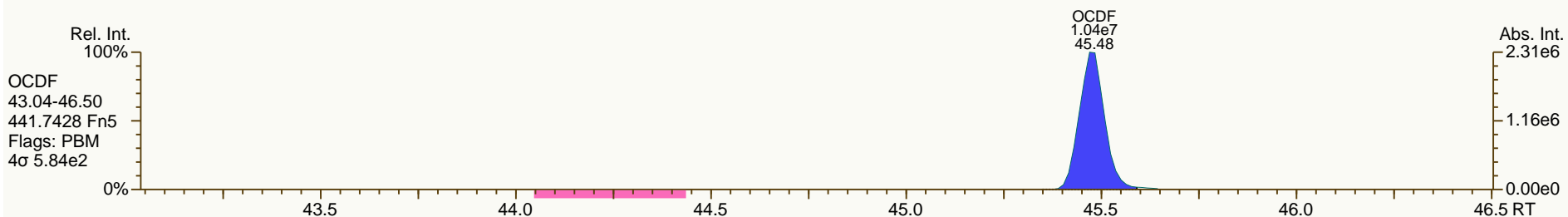
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SGS-AP ID: CS3
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
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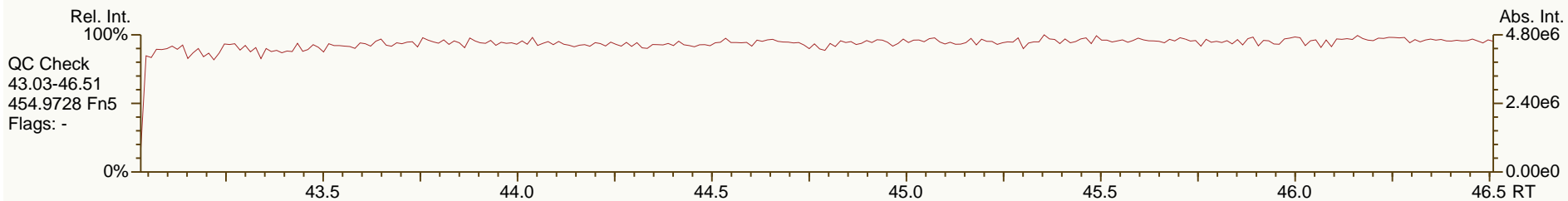
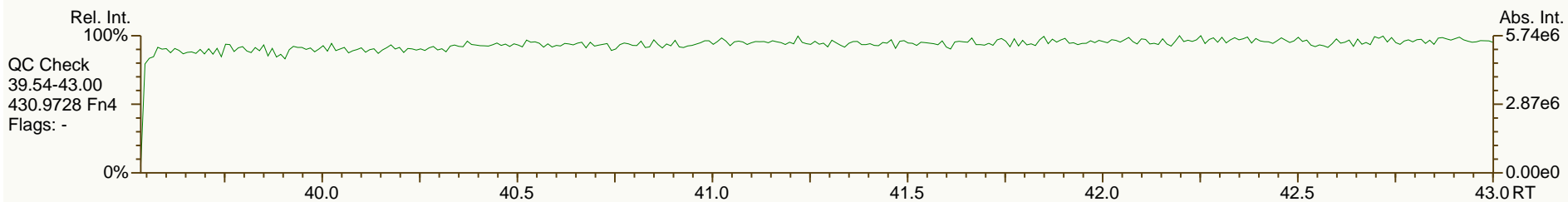
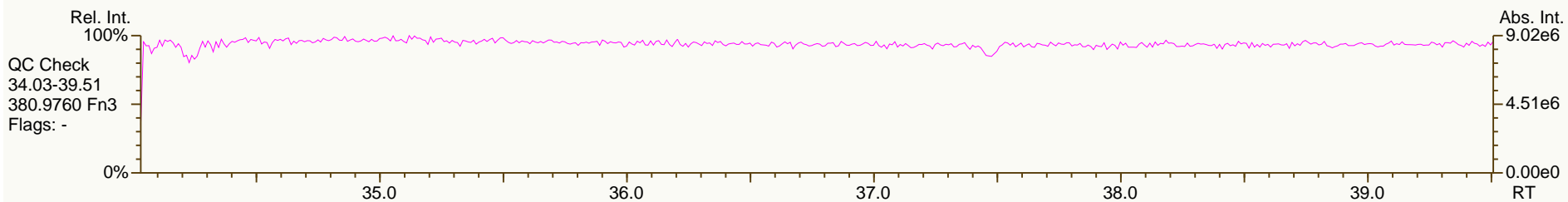
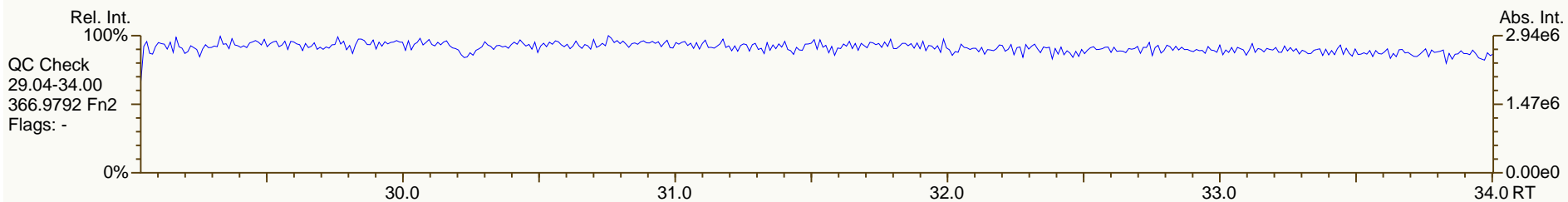
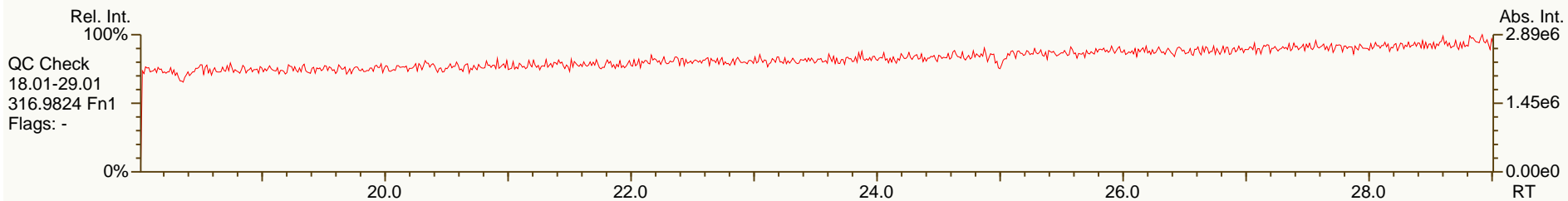
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

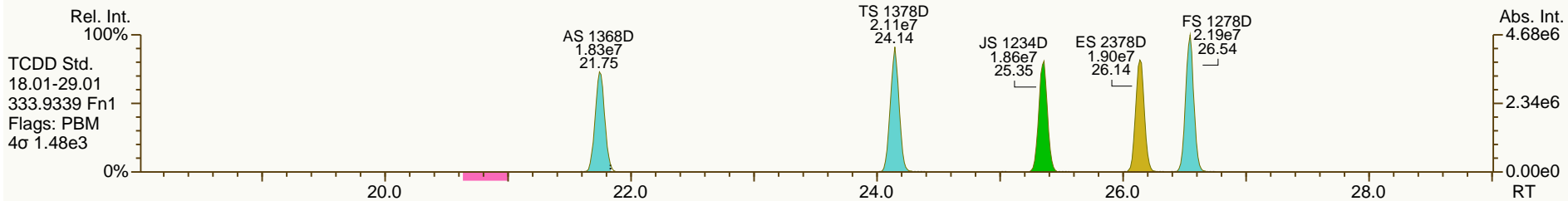
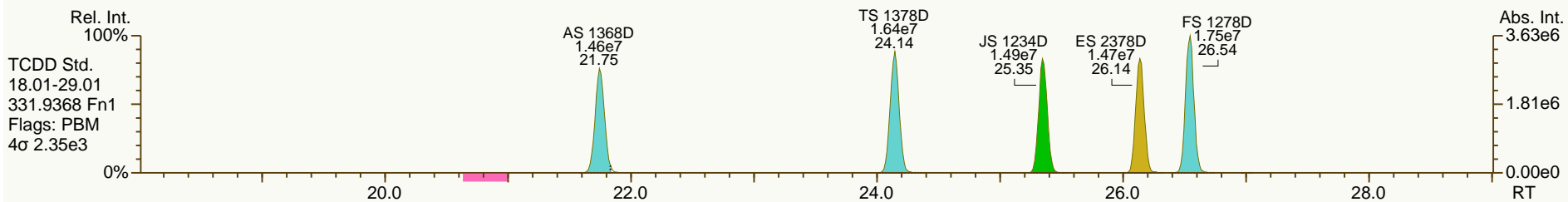
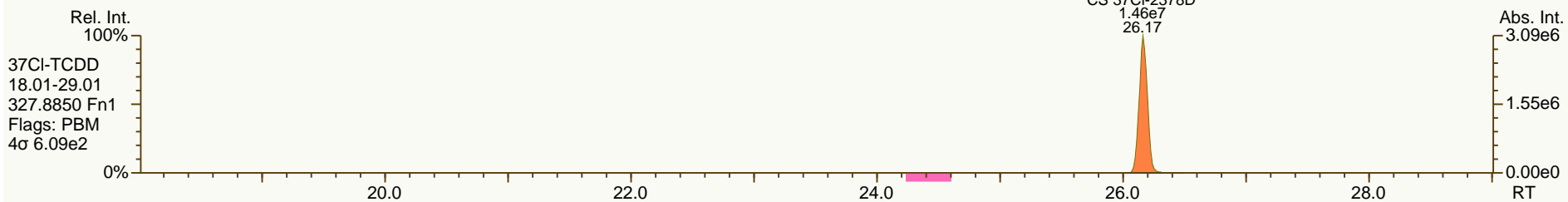
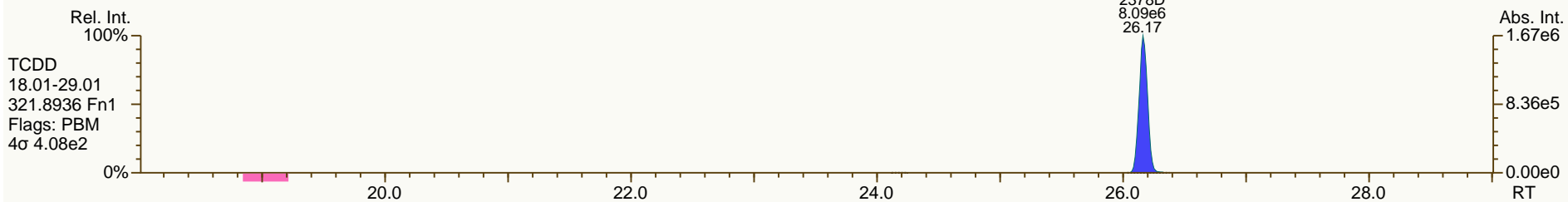
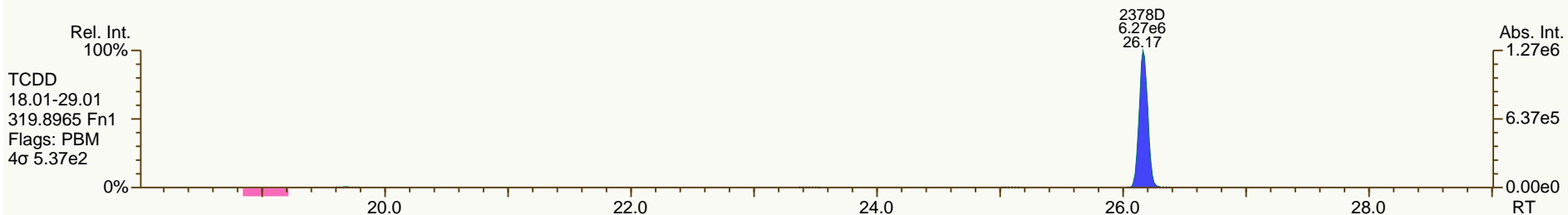
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

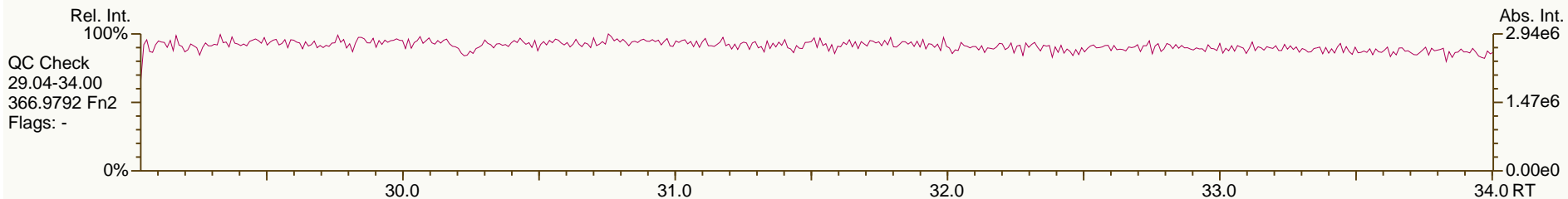
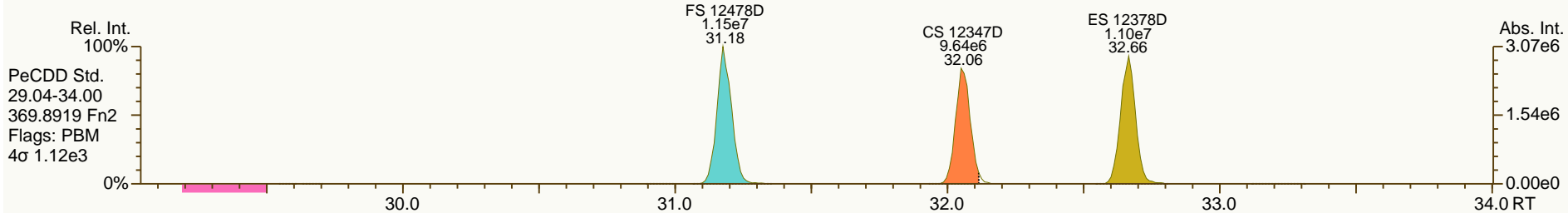
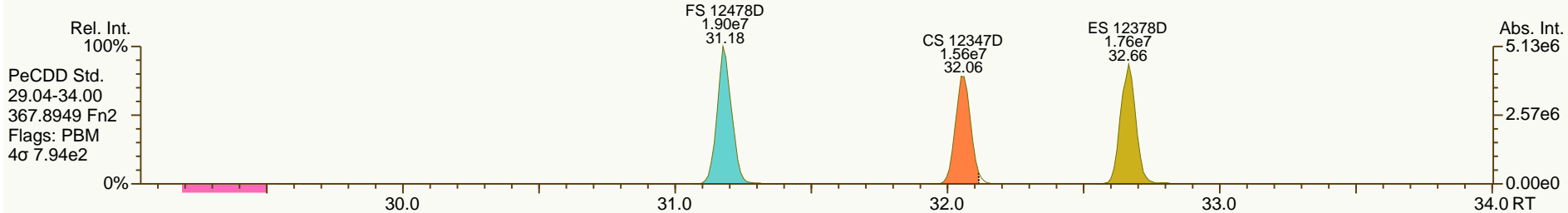
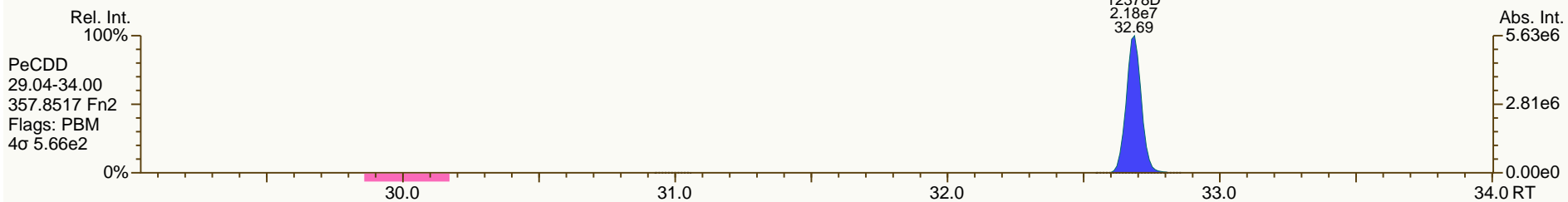
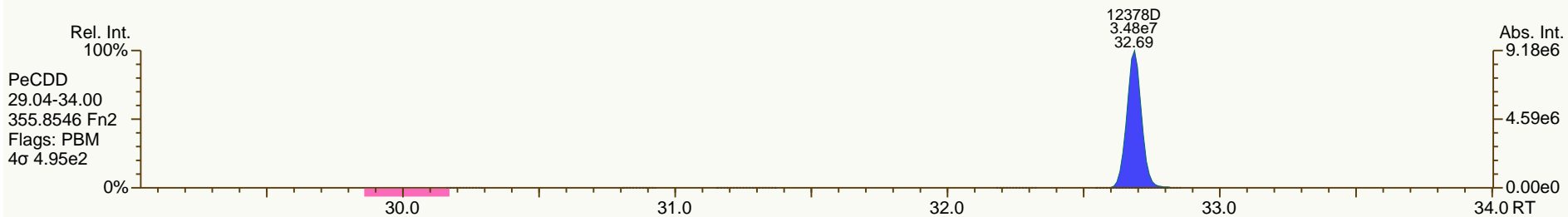
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

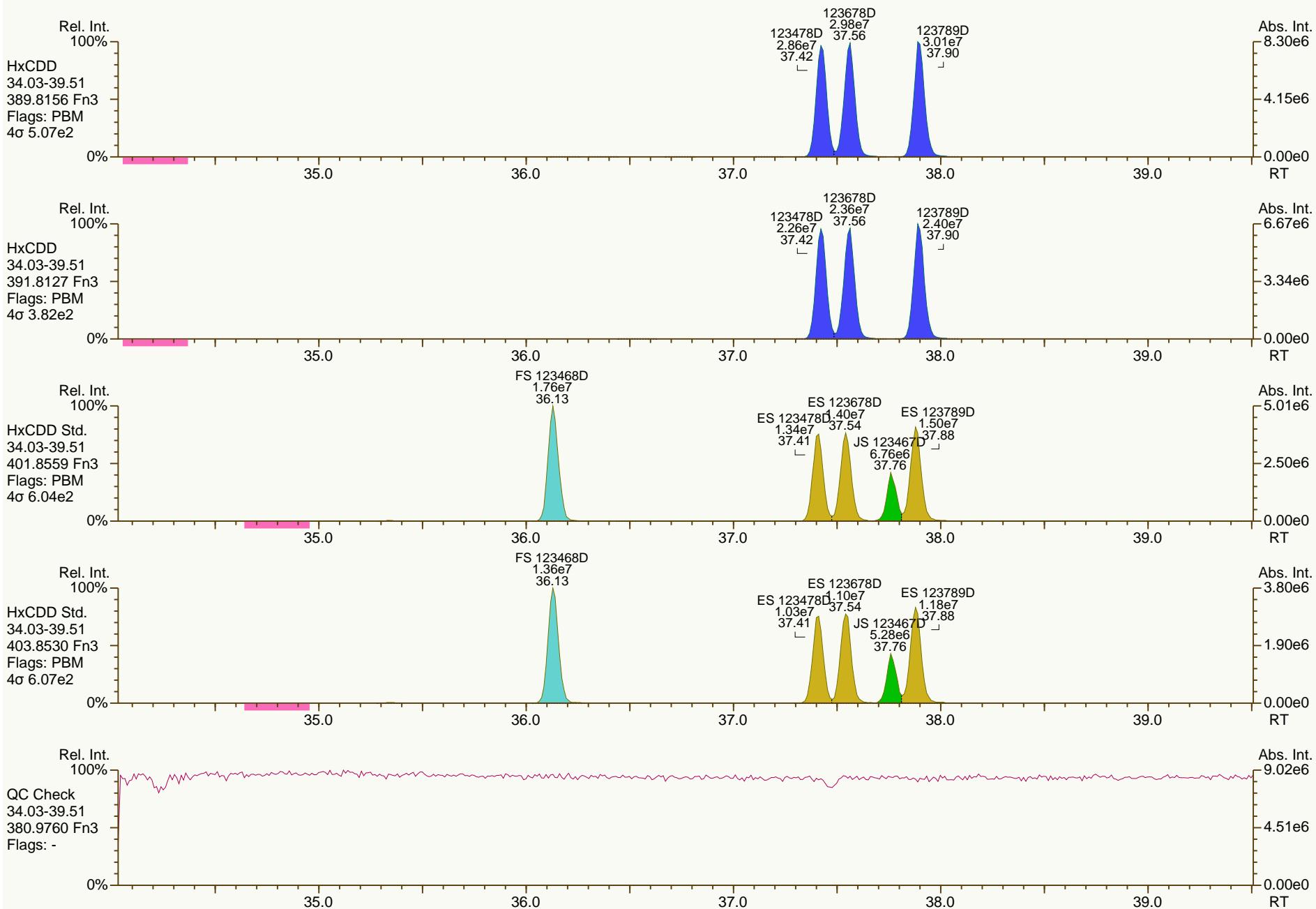
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

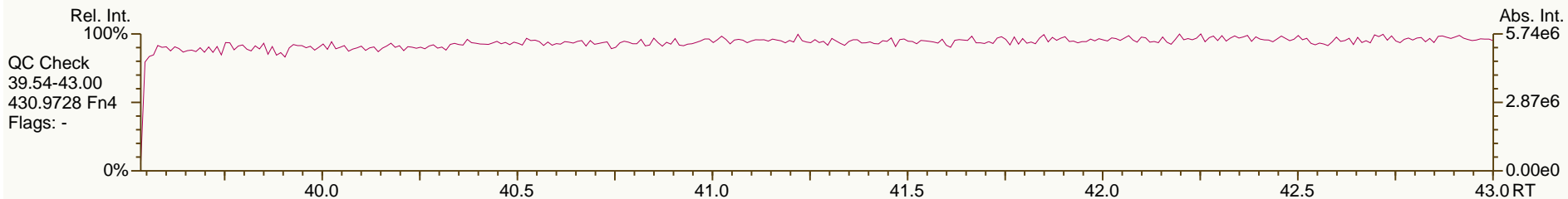
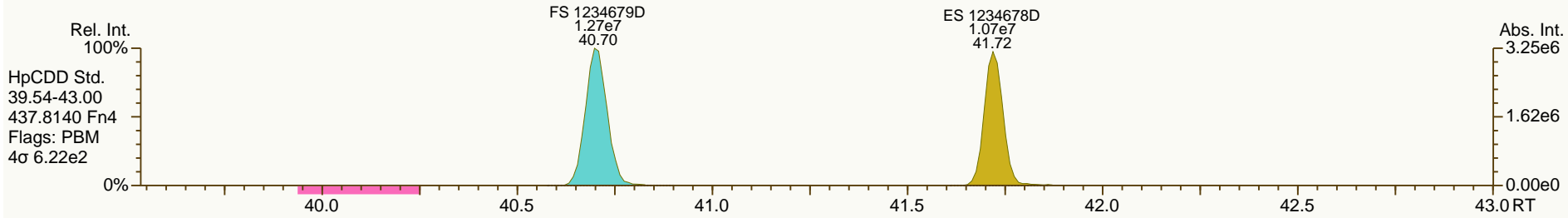
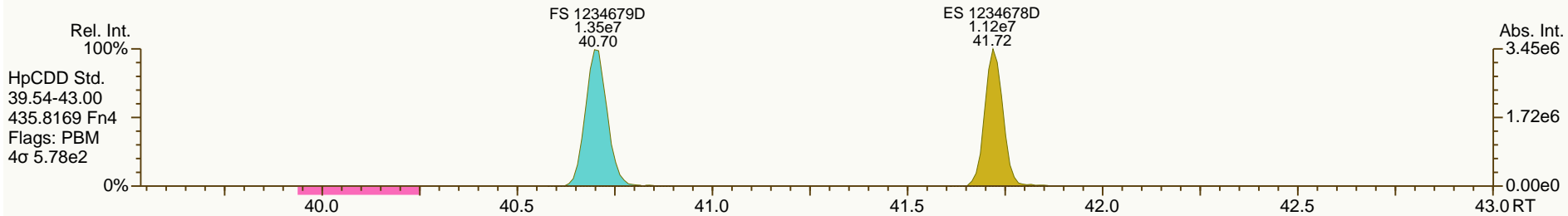
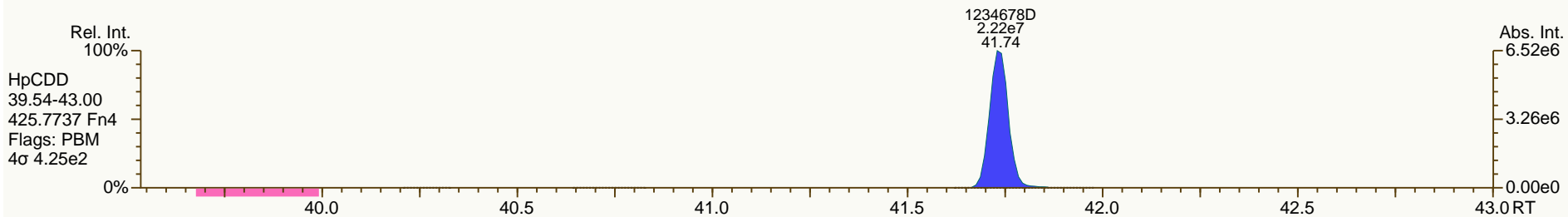
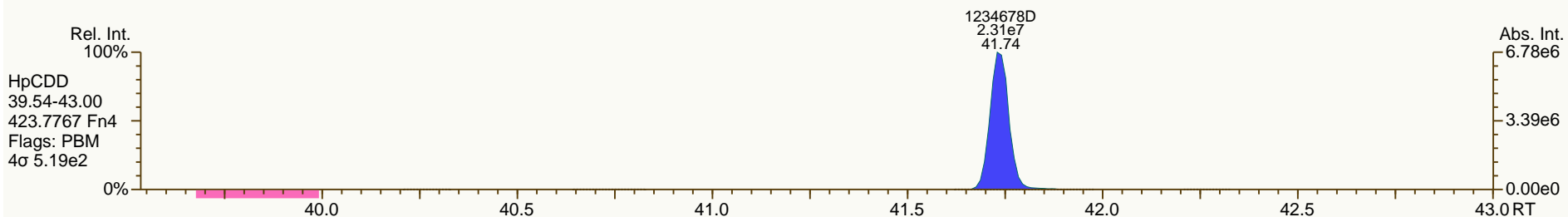
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User: MDC Datafile: 130213P2-06



SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

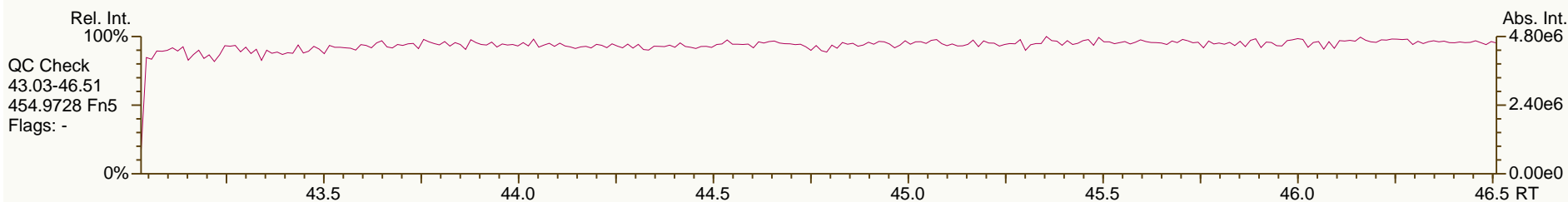
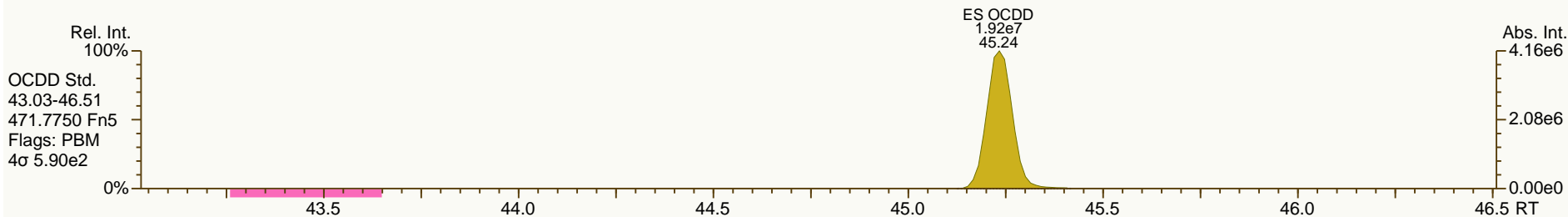
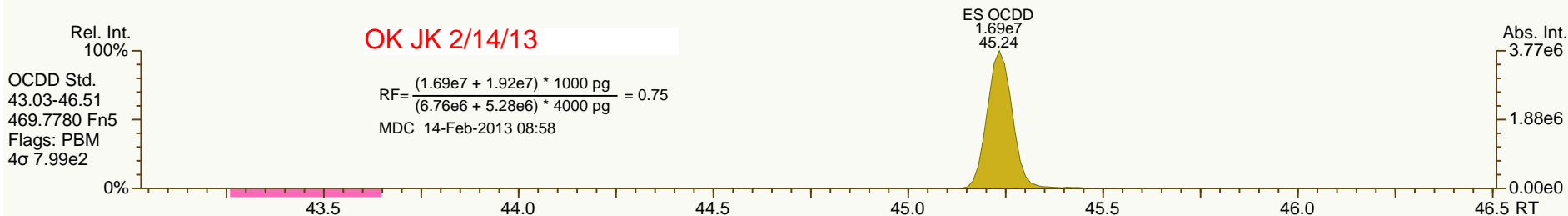
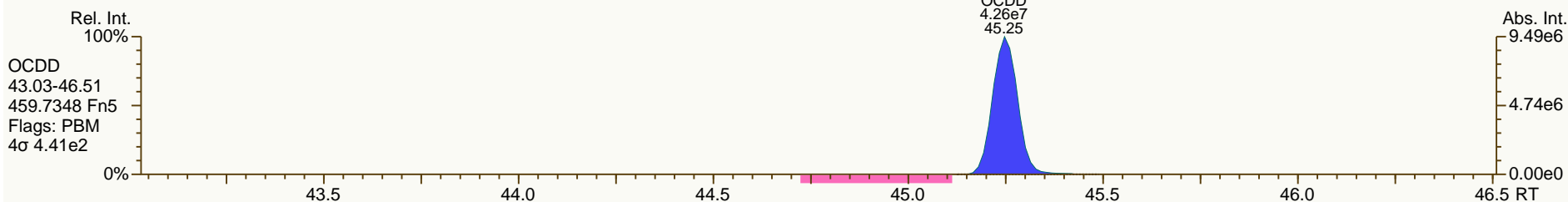
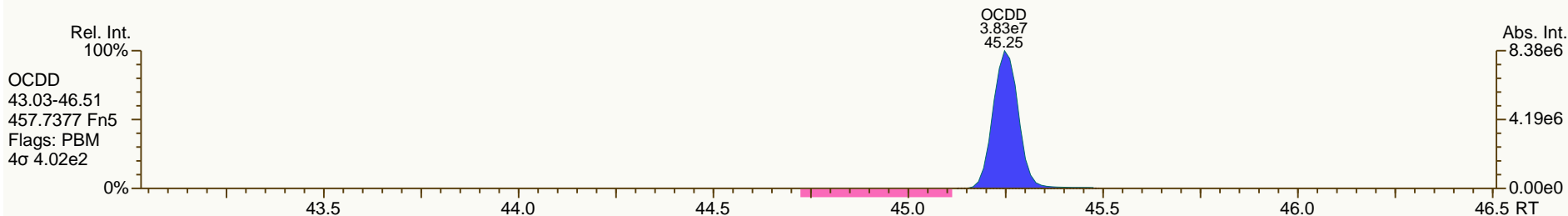
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

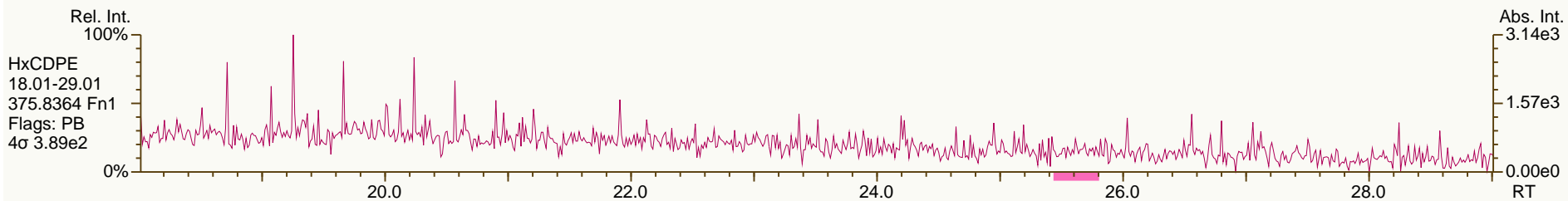
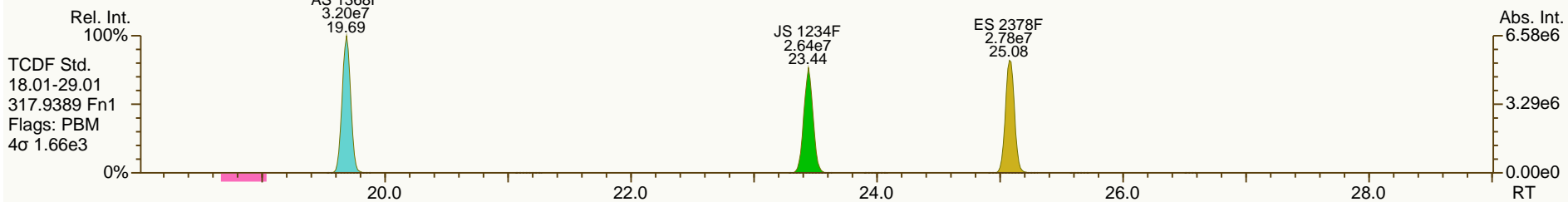
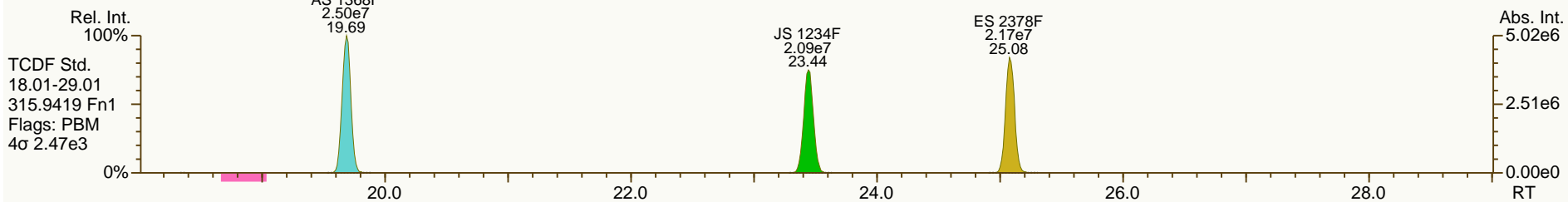
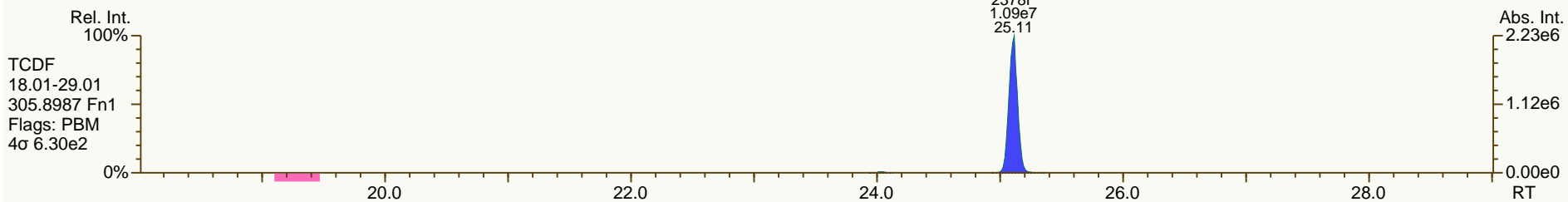
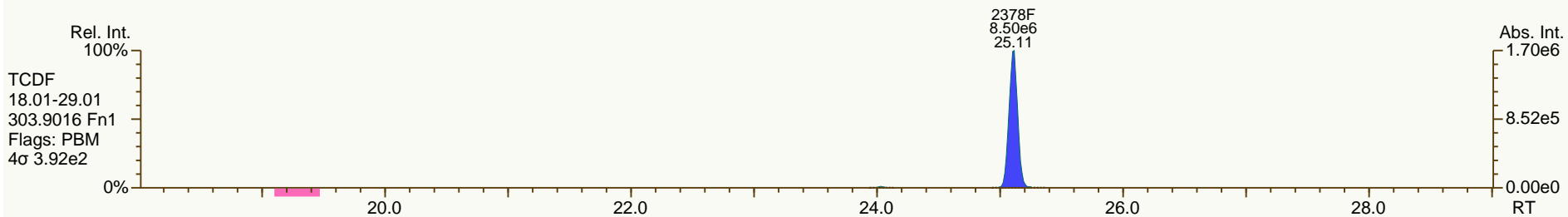
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SGS-AP ID: CS4
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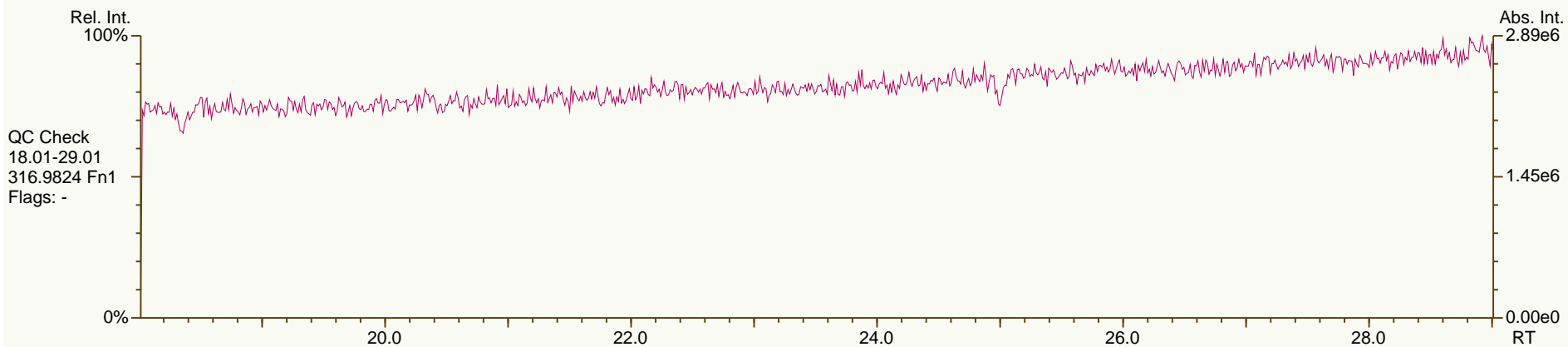
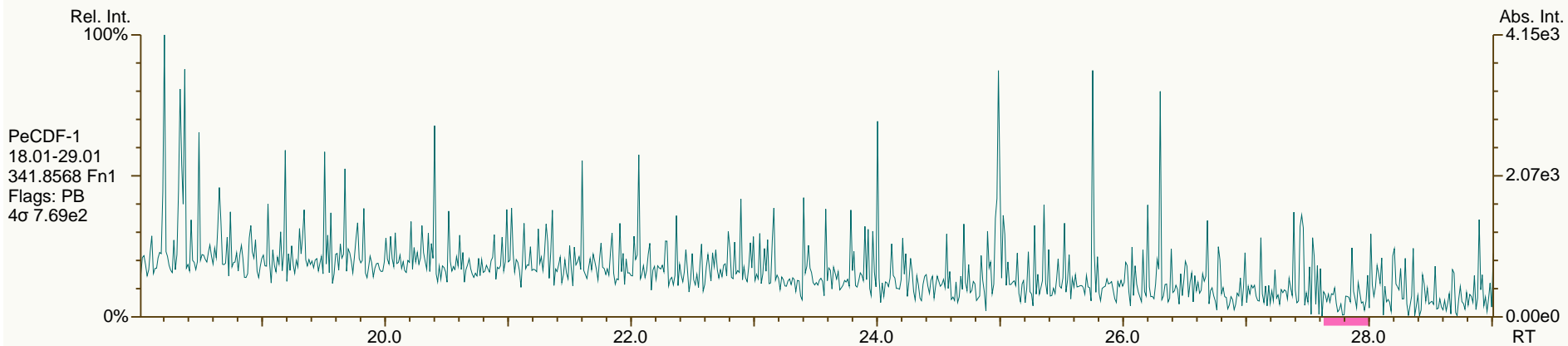
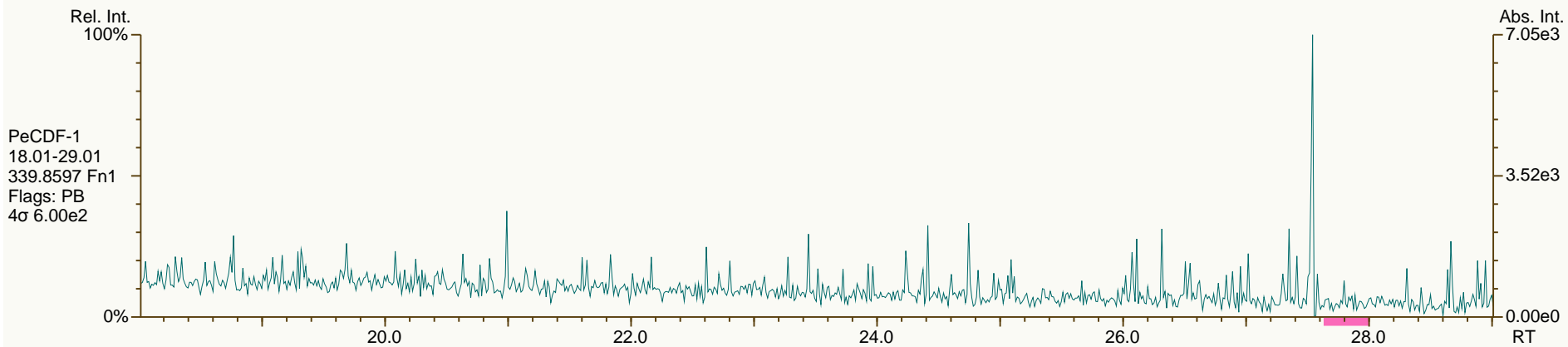
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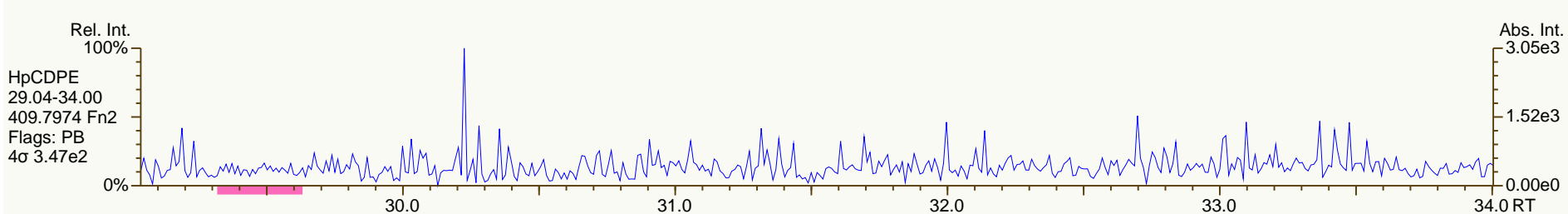
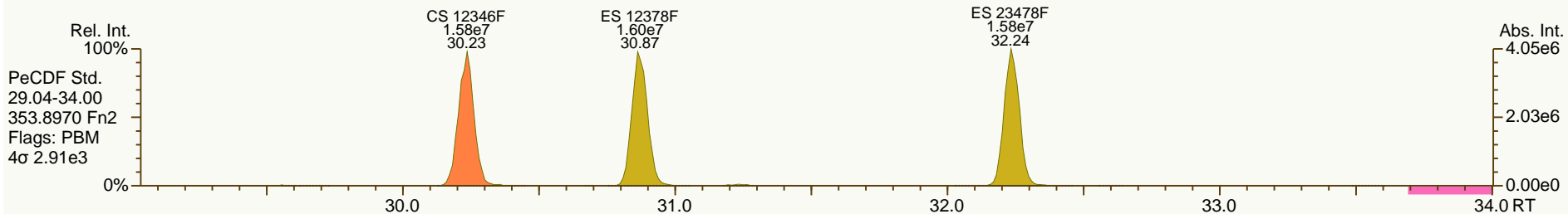
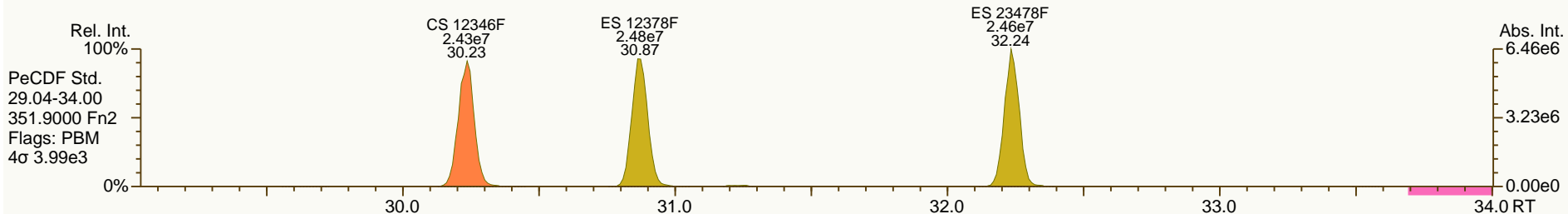
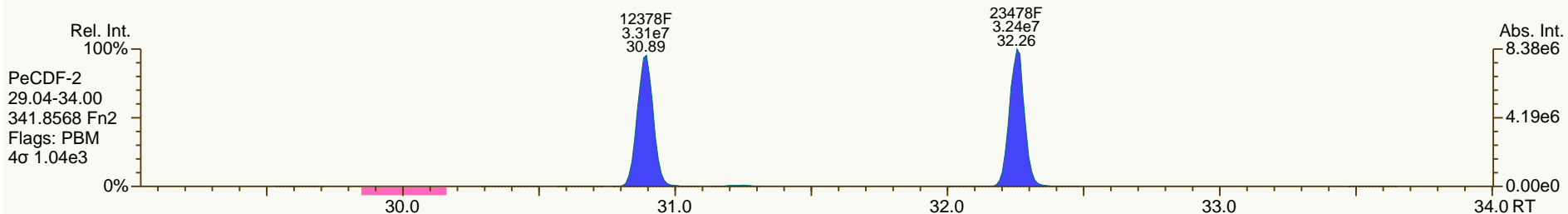
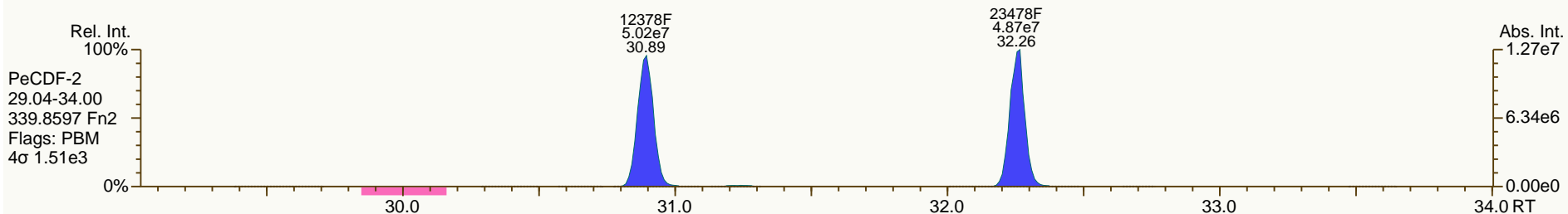
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

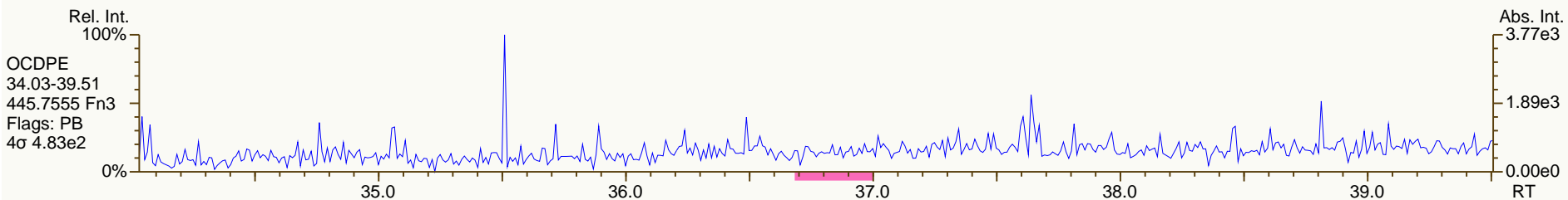
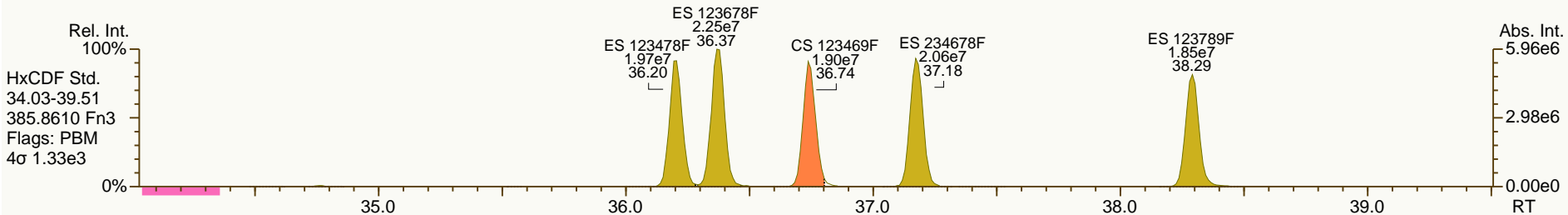
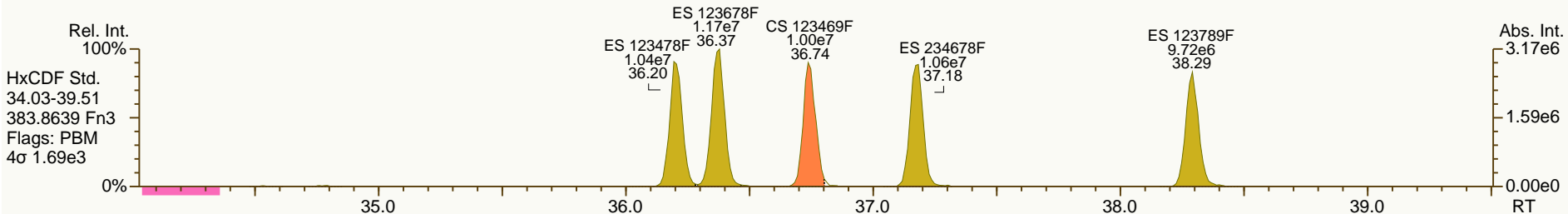
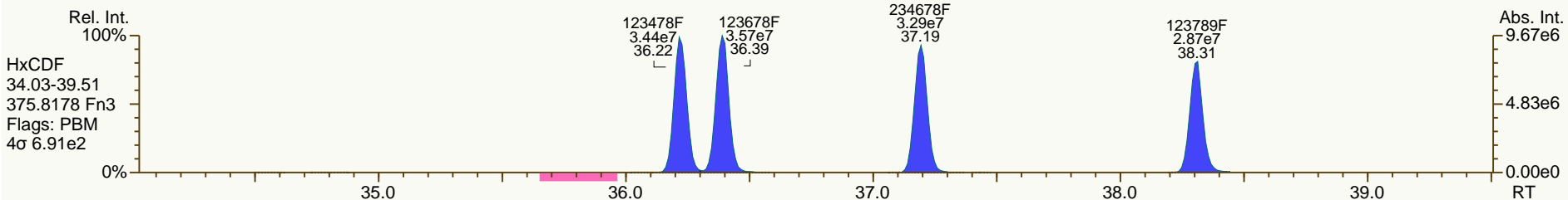
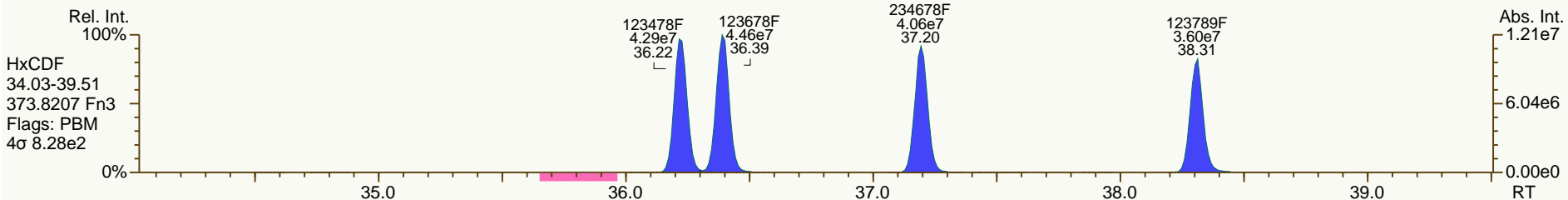
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

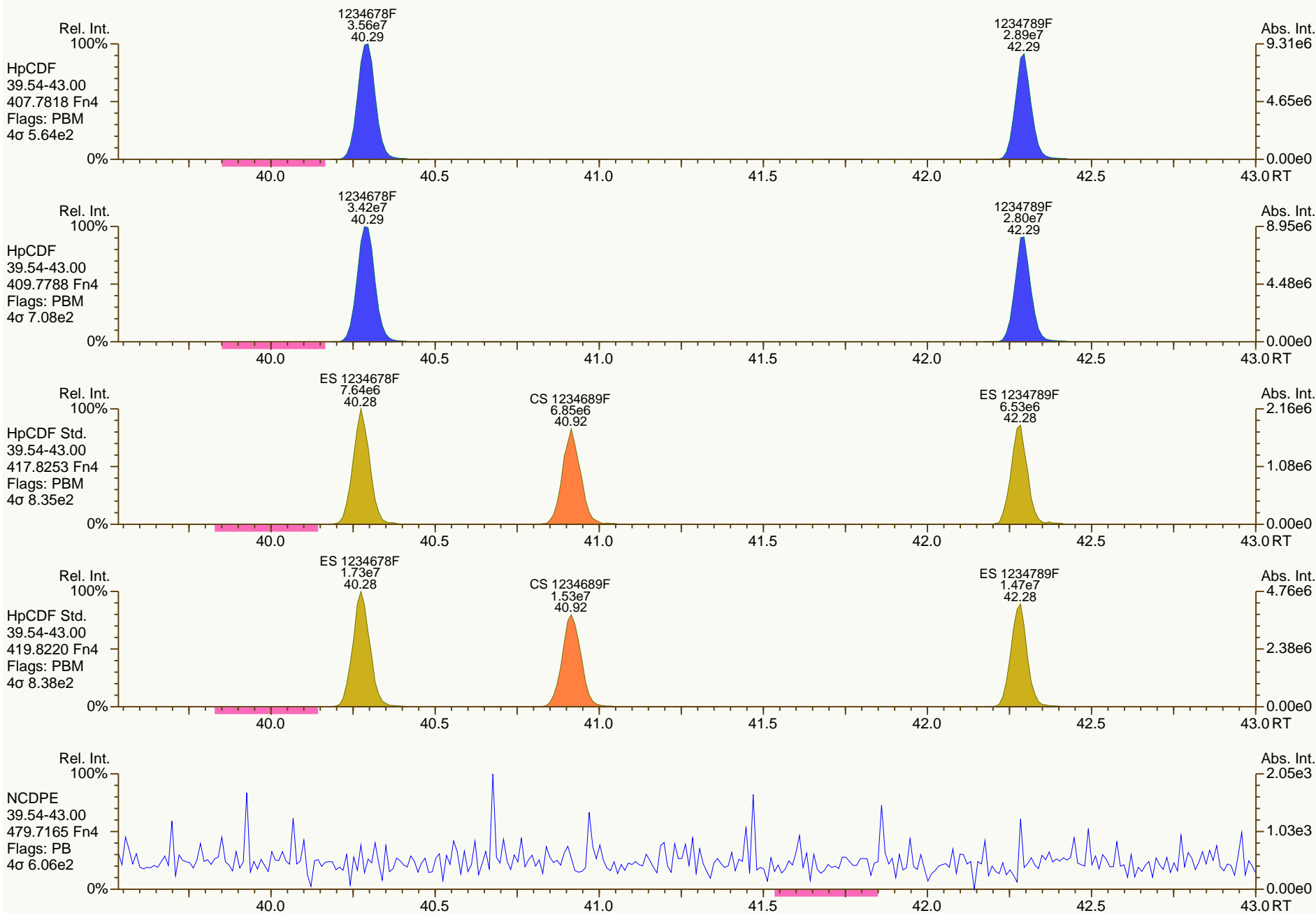
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

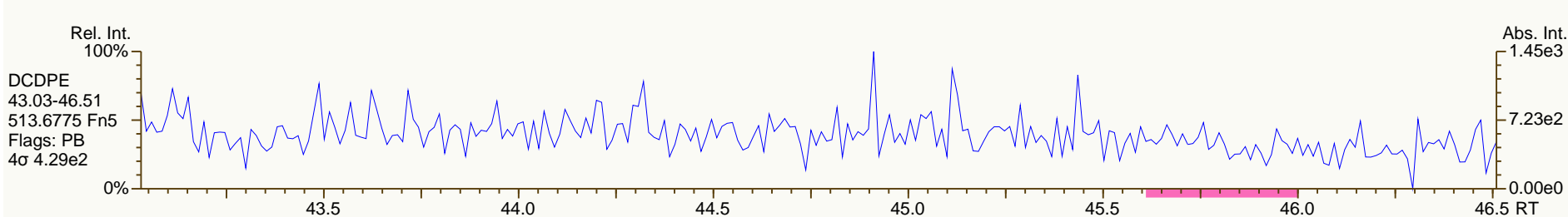
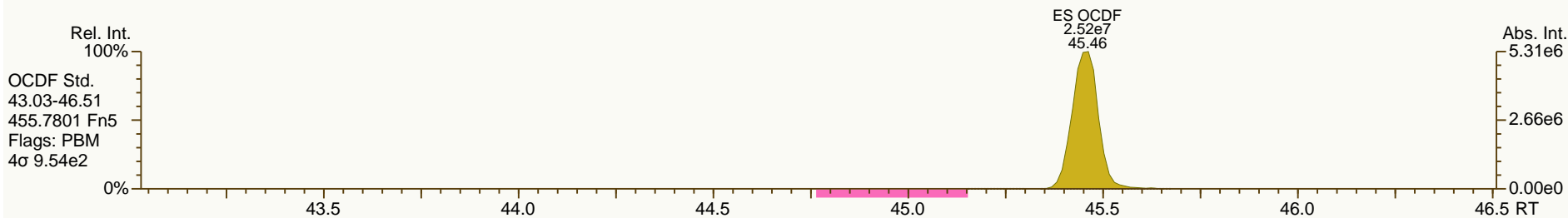
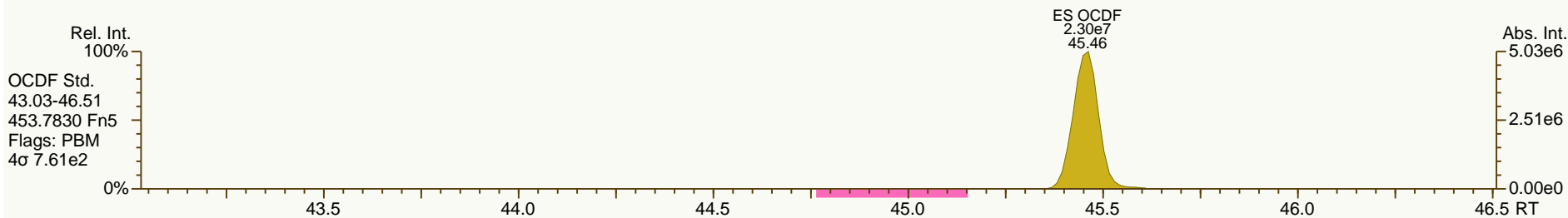
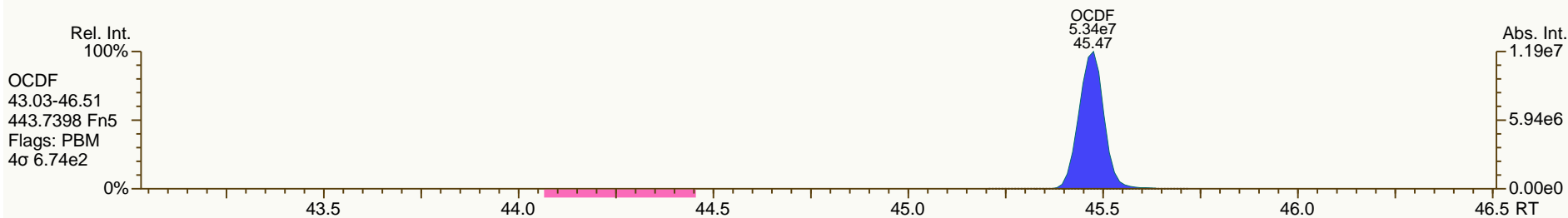
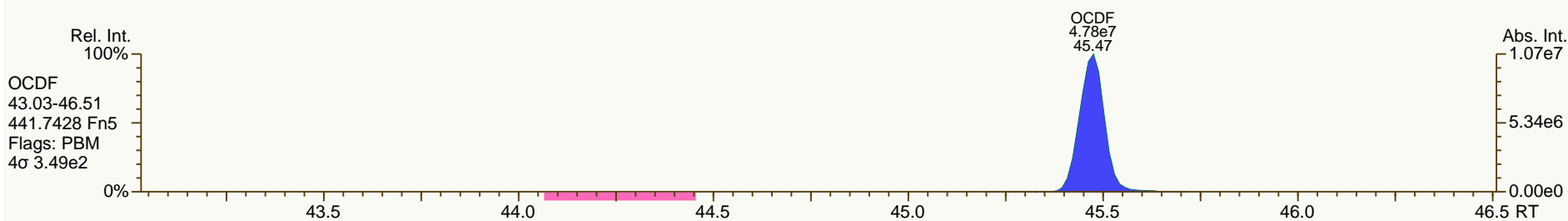
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 13-FEB-2013 17:07:16
User: MDC Datafile: 130213P2-06



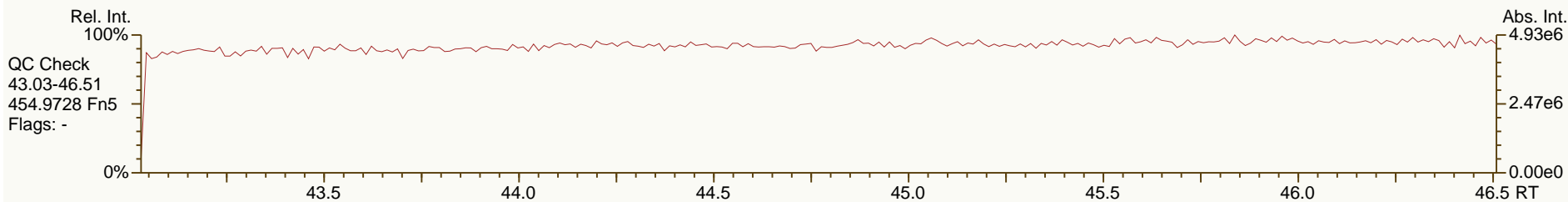
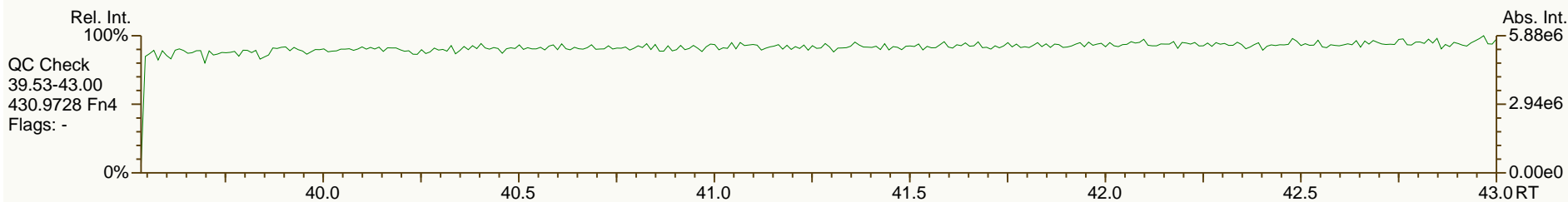
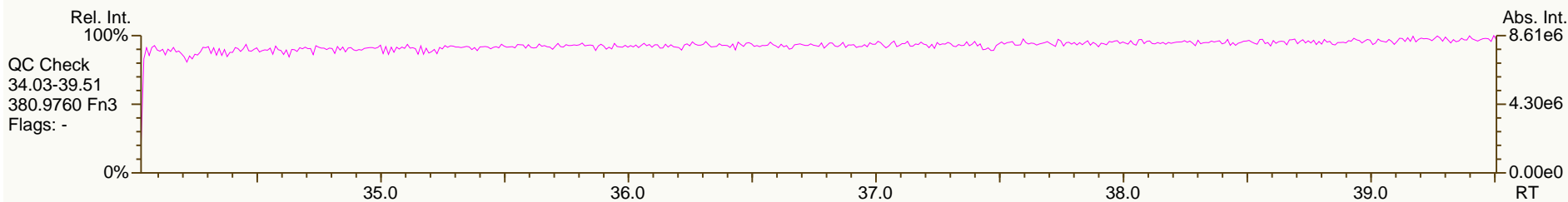
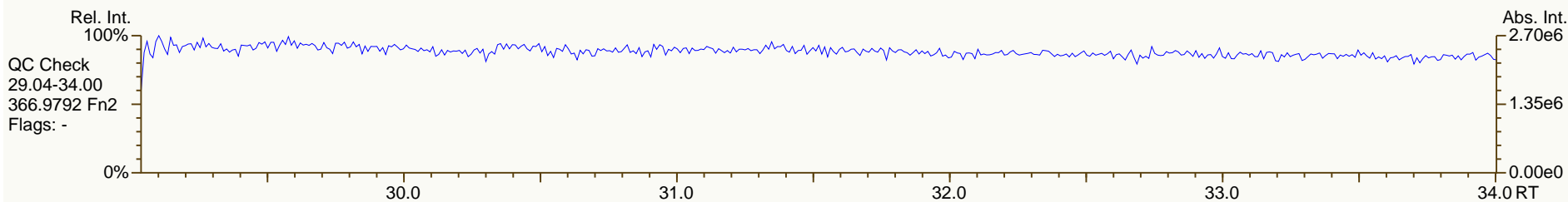
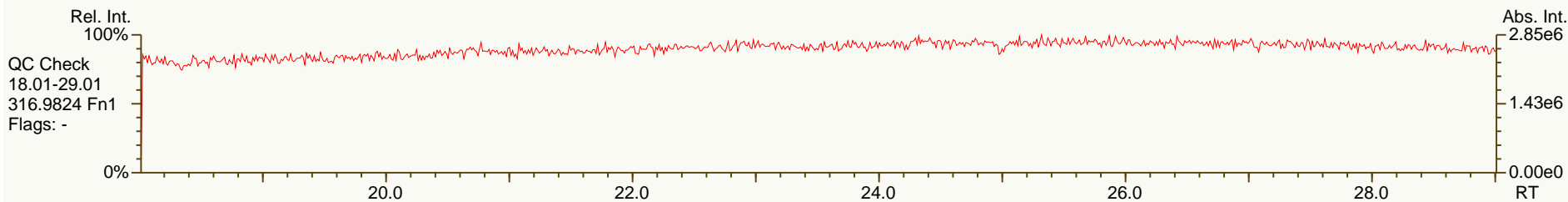
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

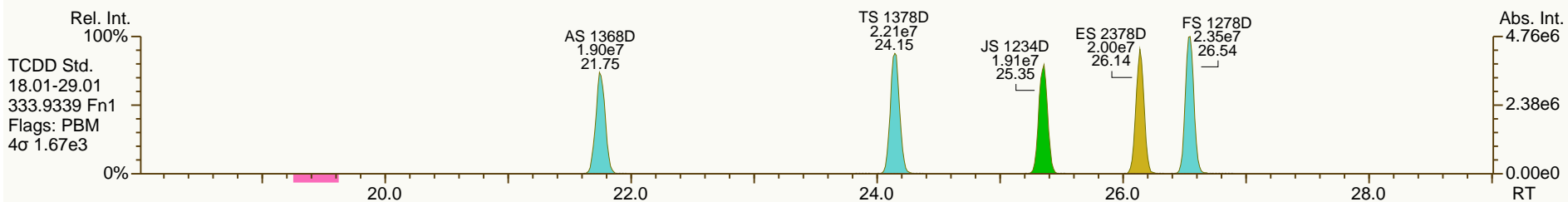
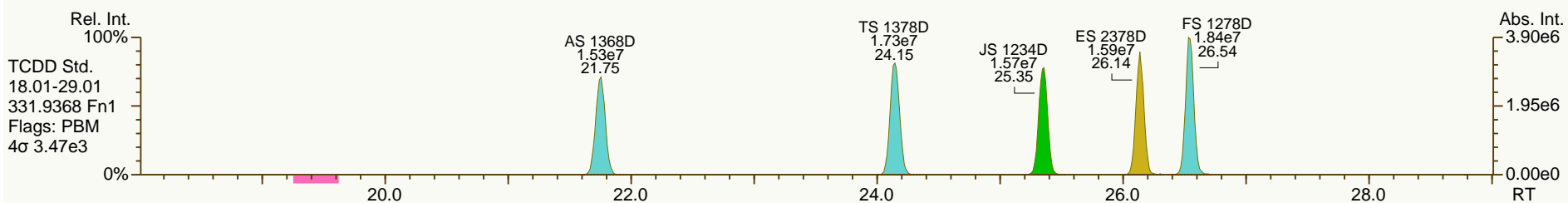
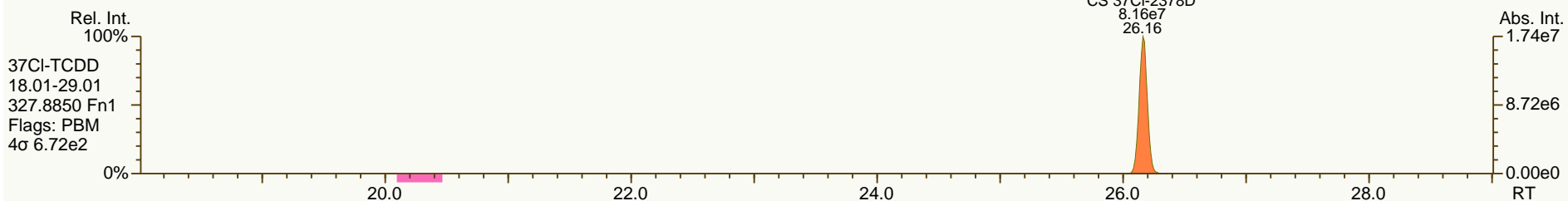
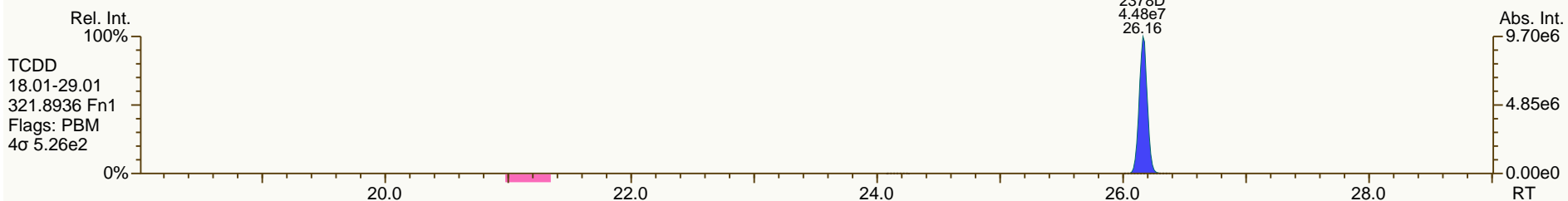
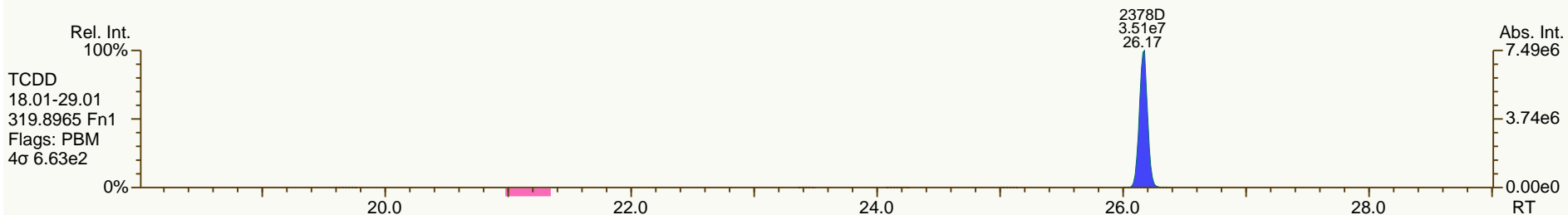
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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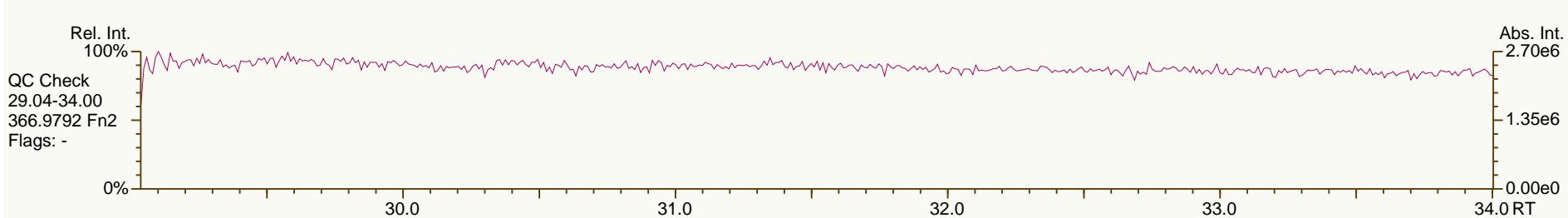
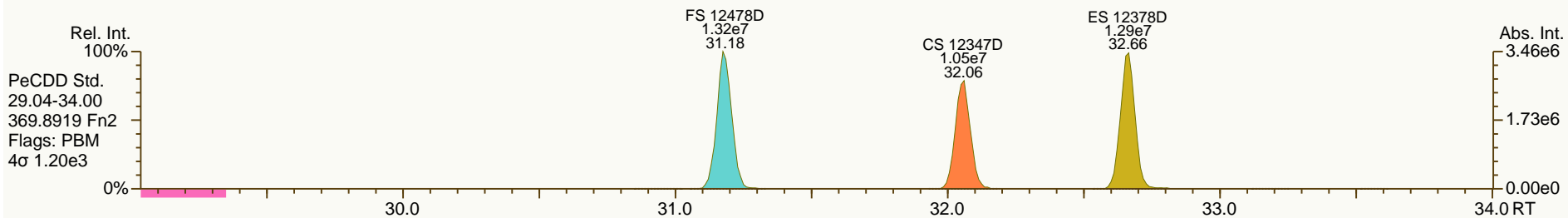
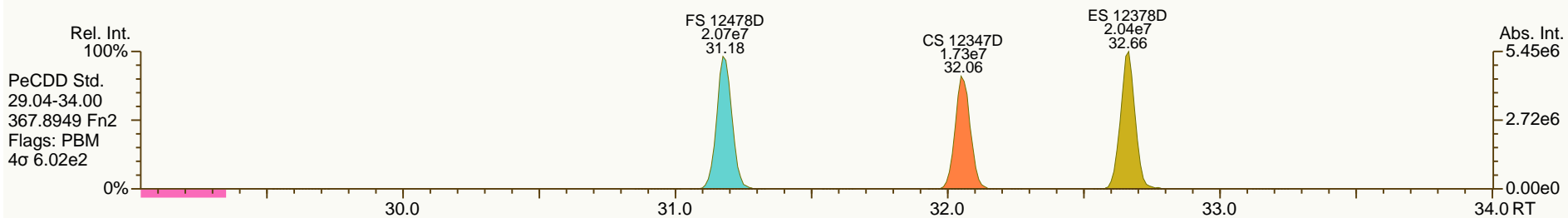
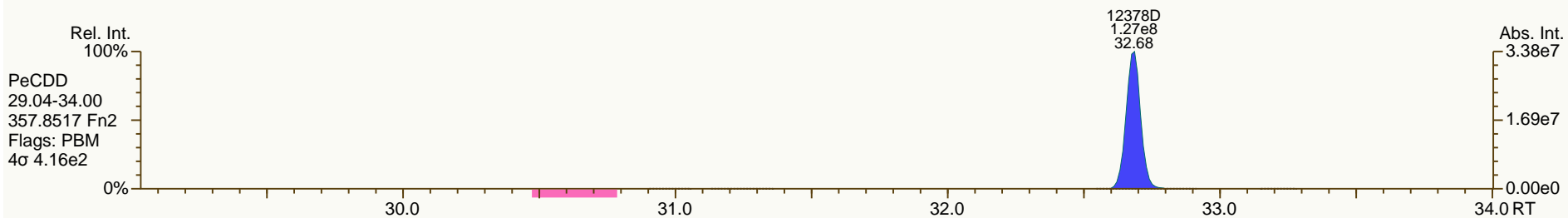
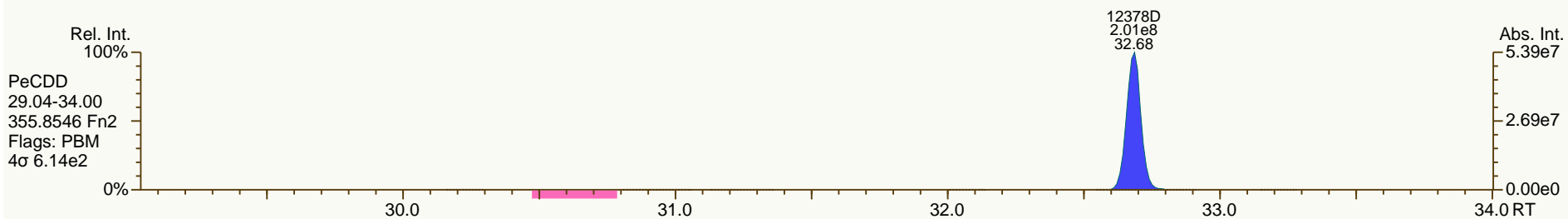
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

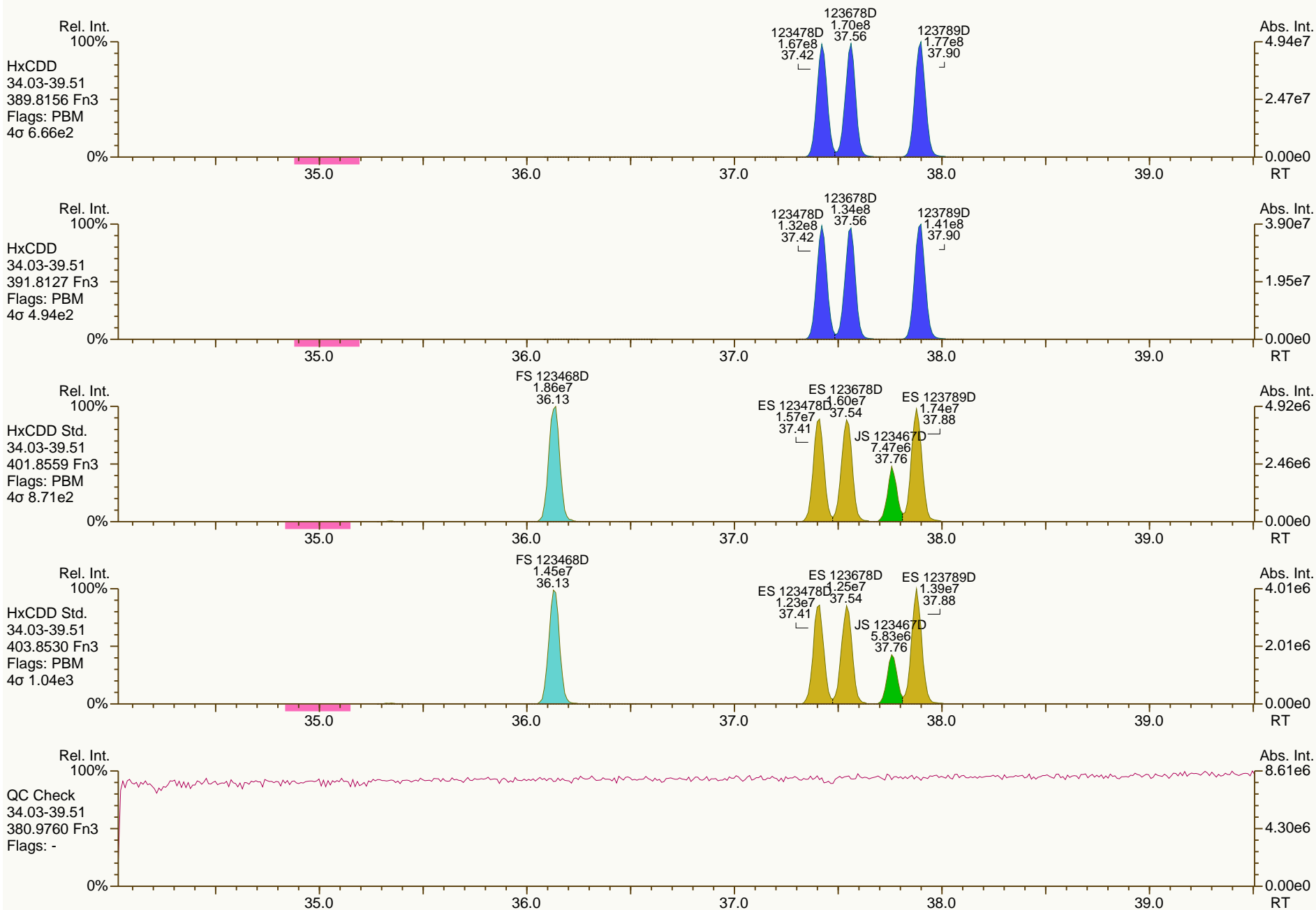
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SGS-AP ID: CS5
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Sample ID: 11012012A
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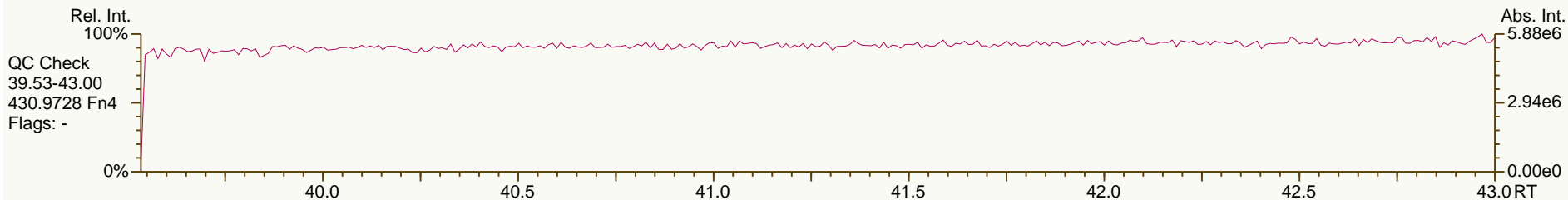
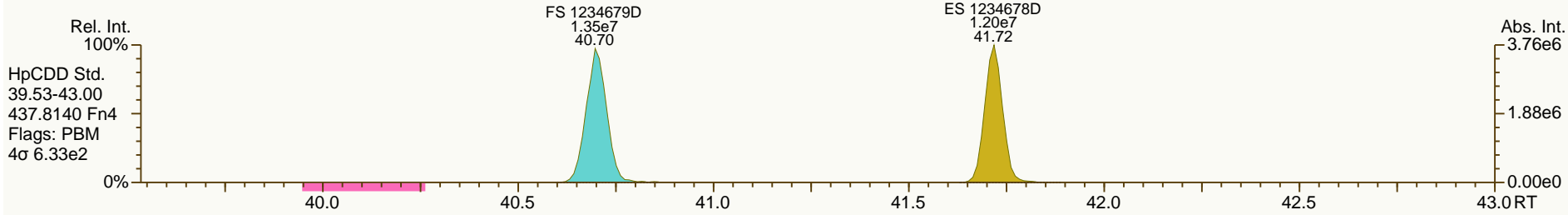
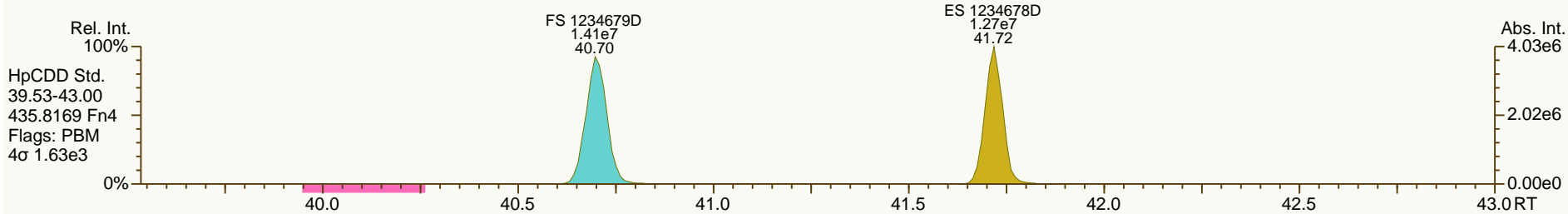
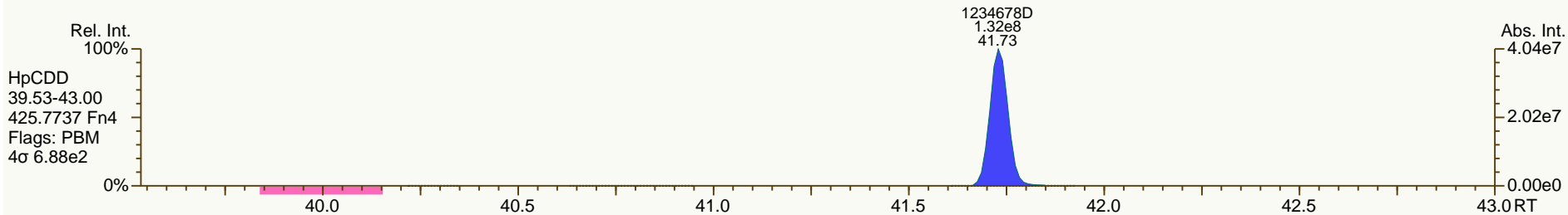
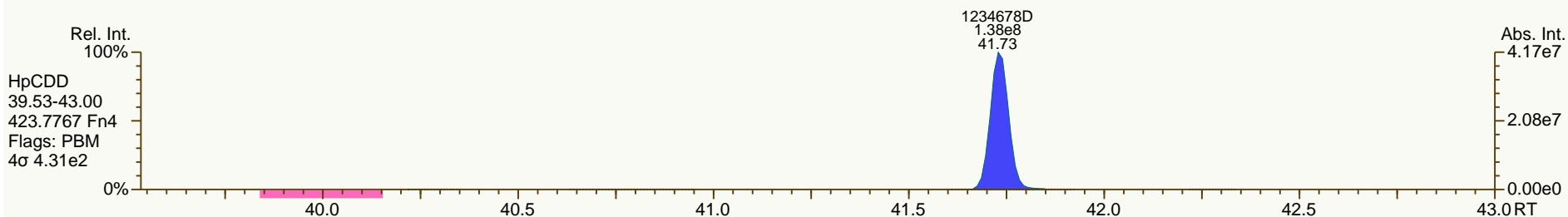
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

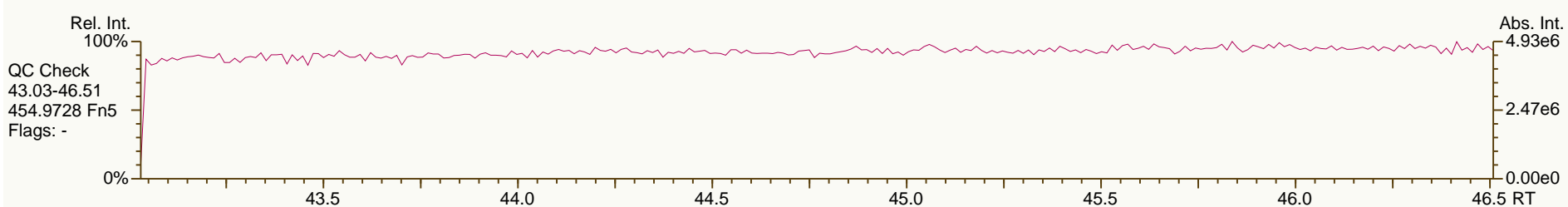
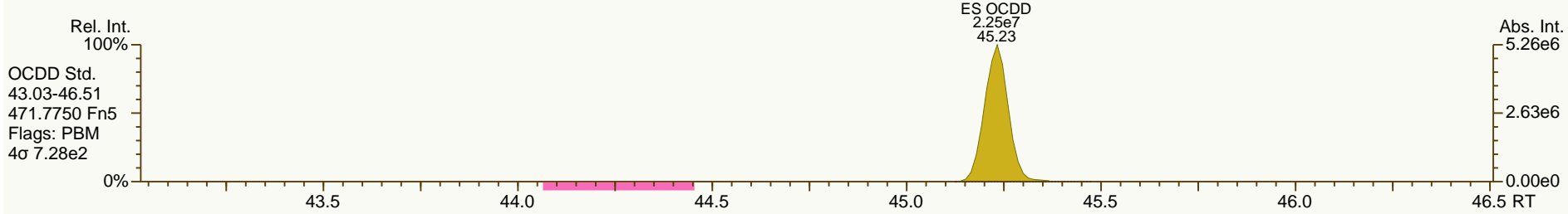
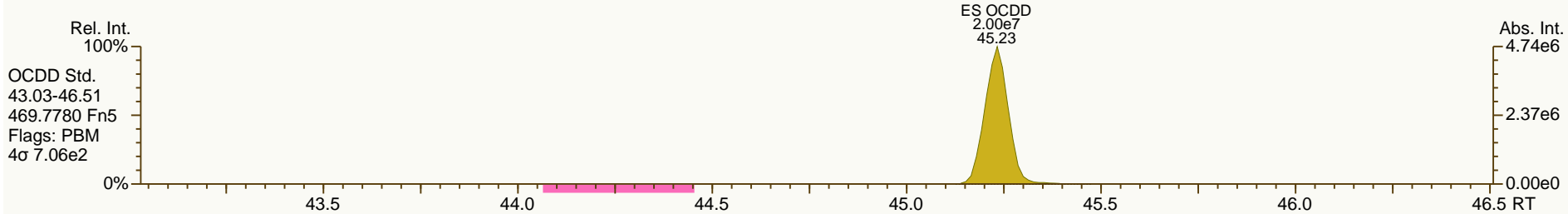
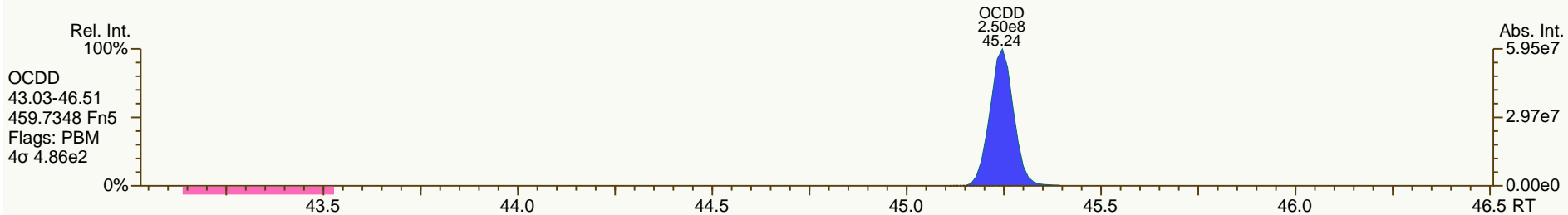
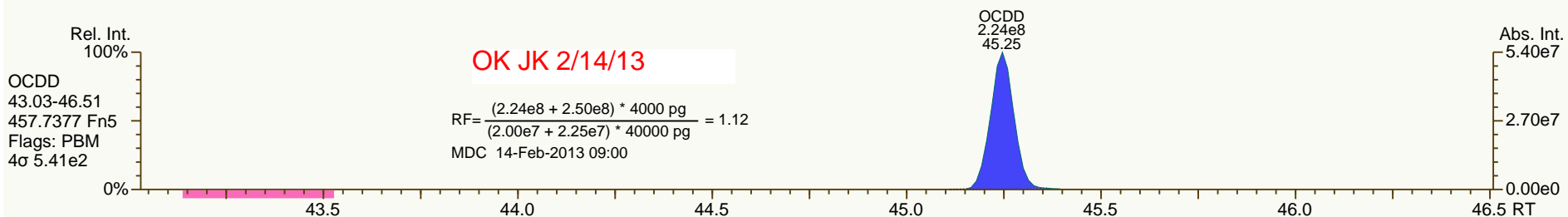
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

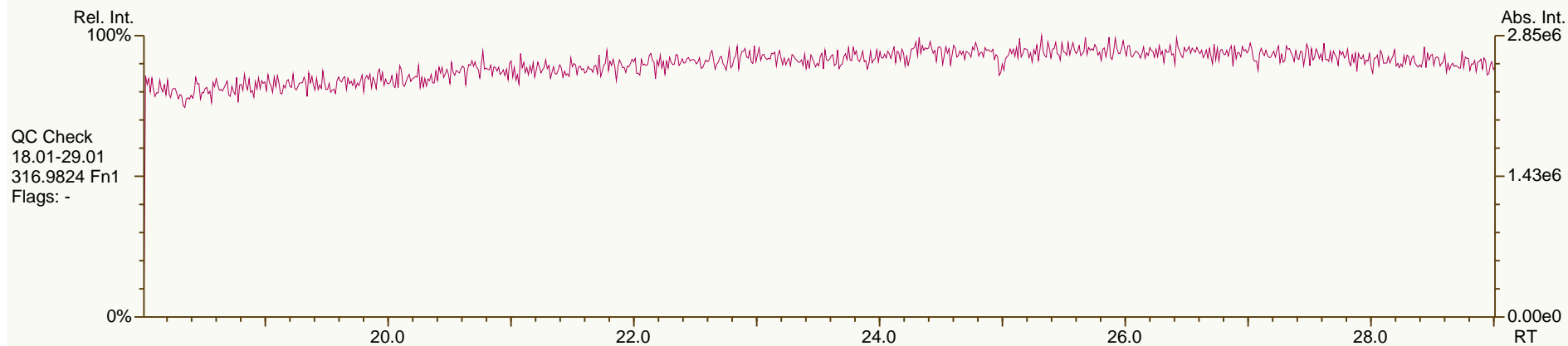
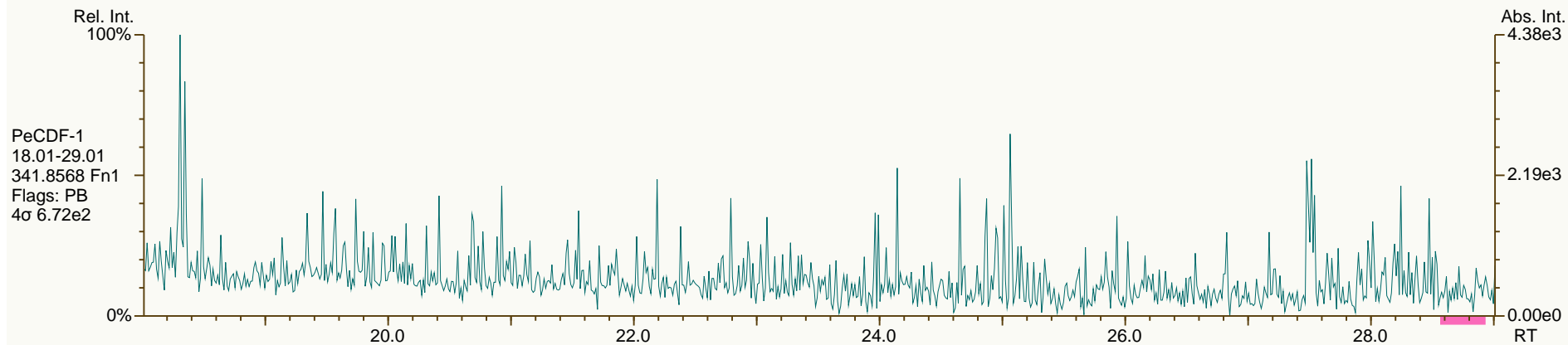
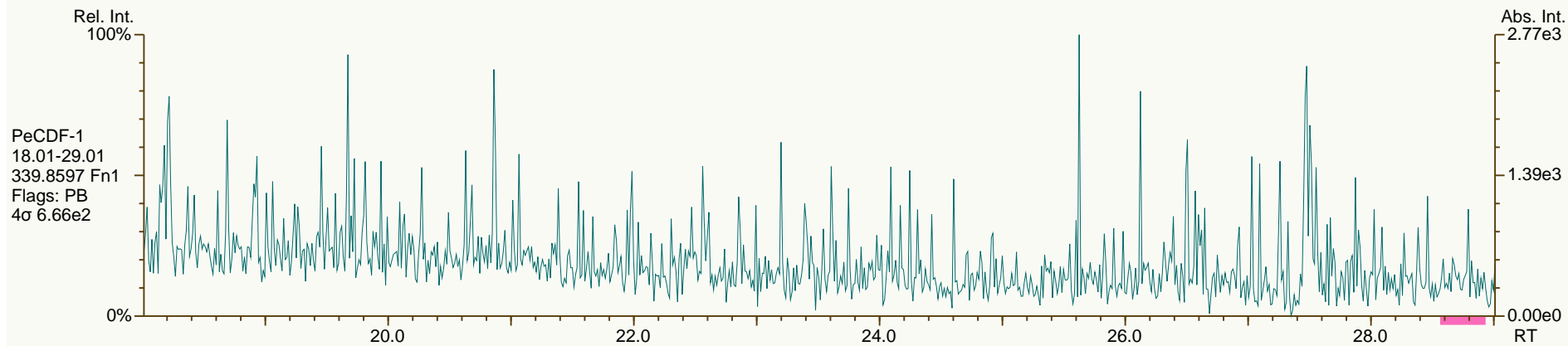
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

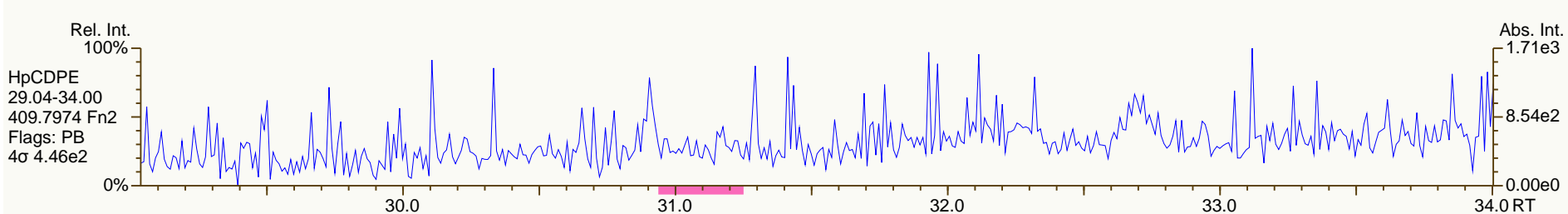
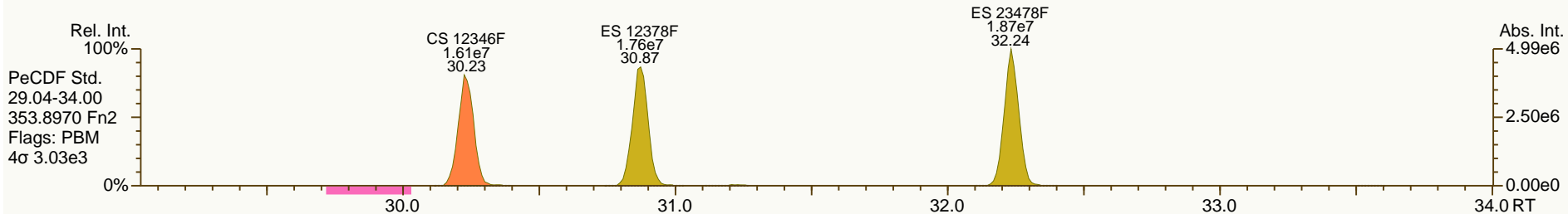
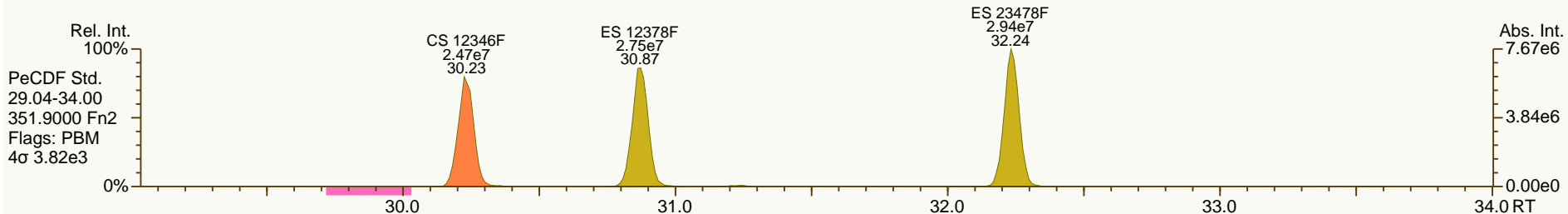
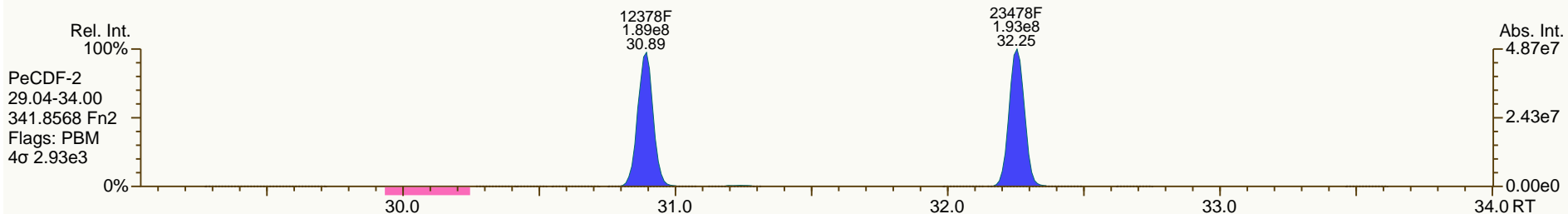
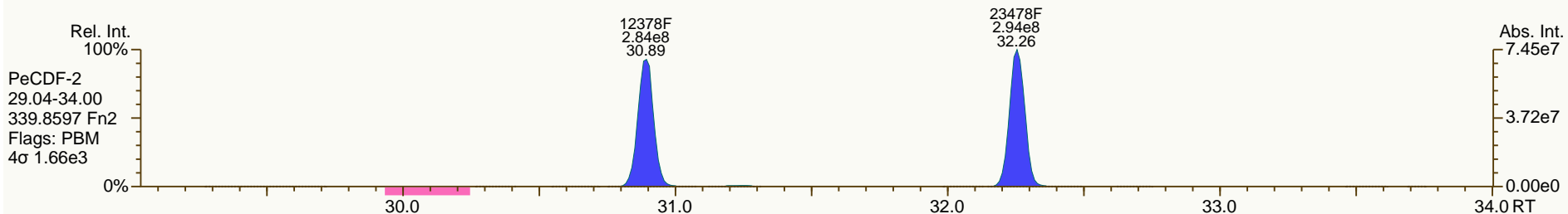
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

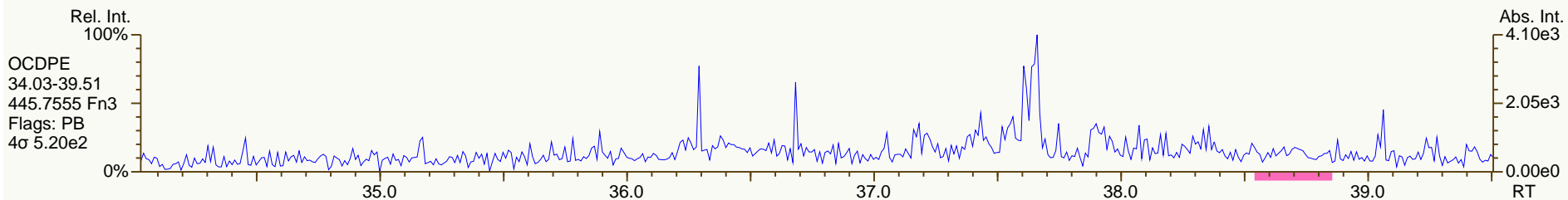
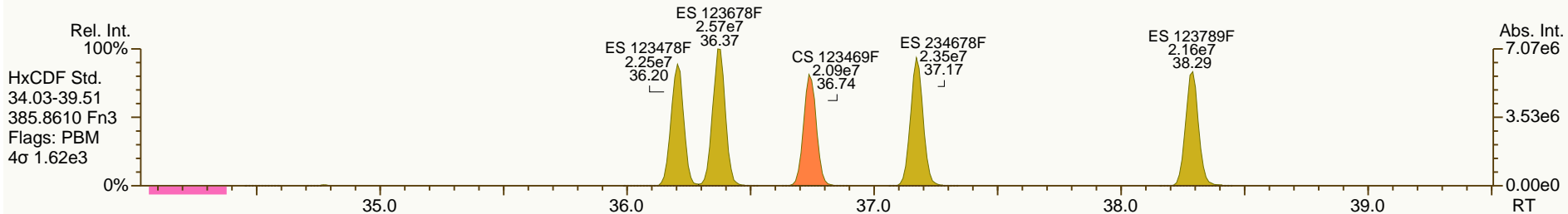
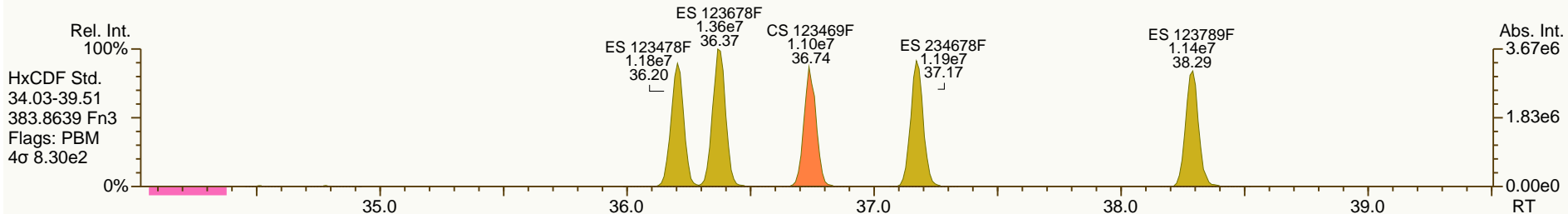
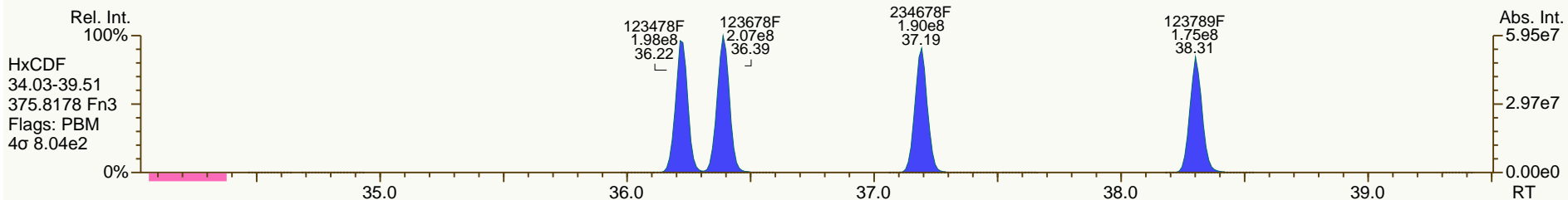
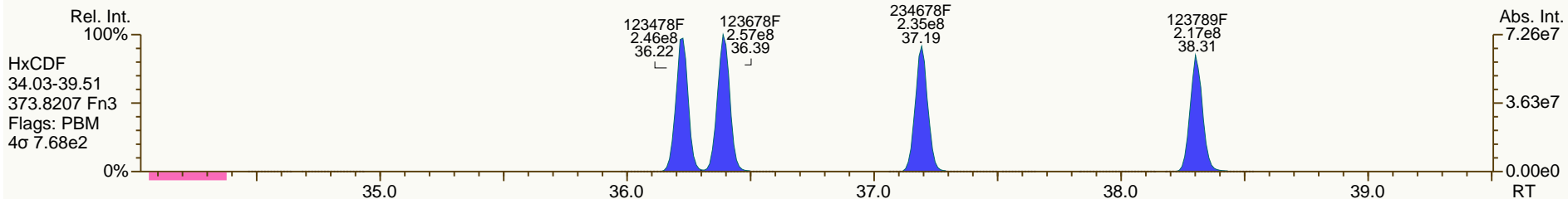
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

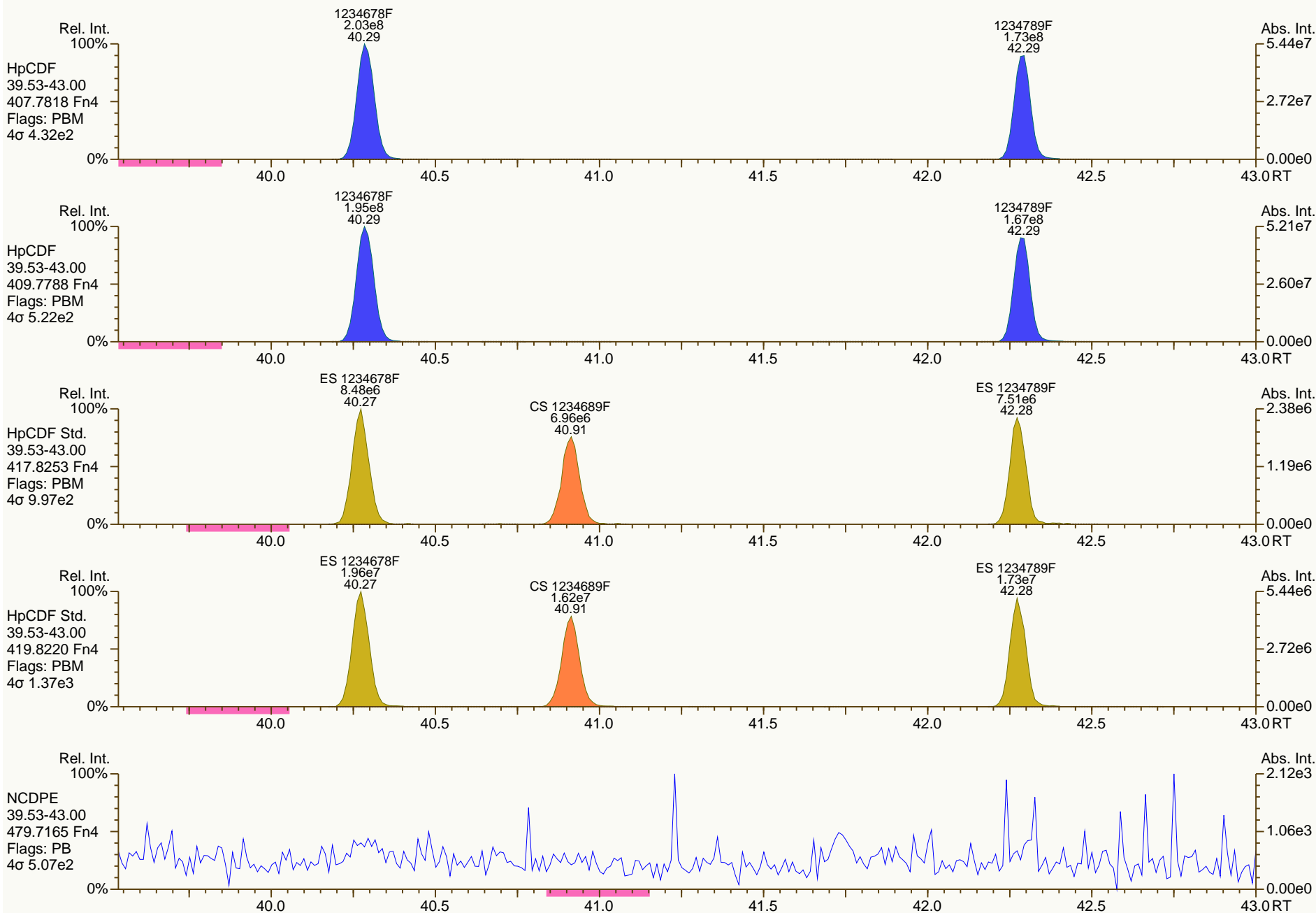
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

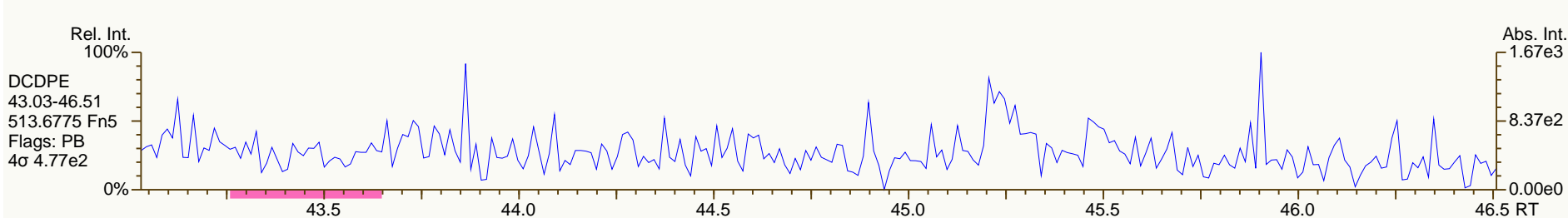
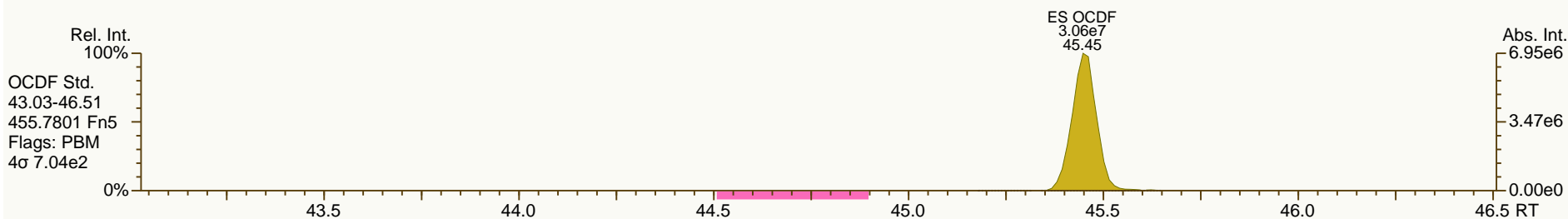
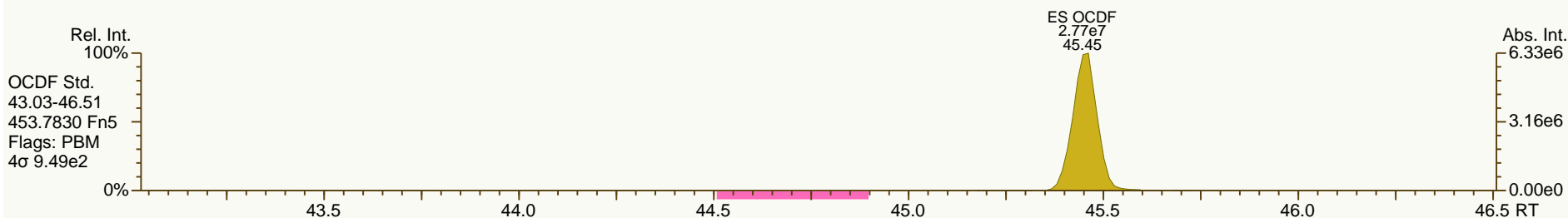
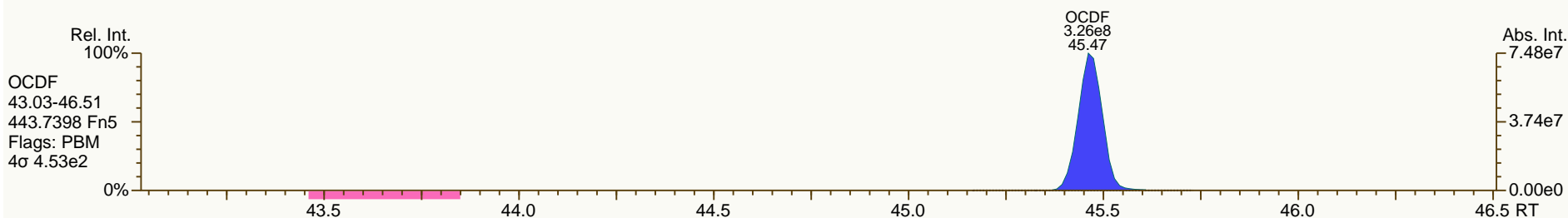
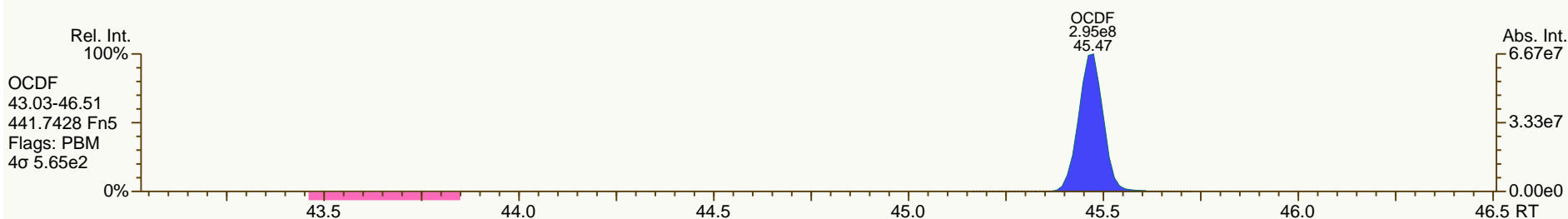
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
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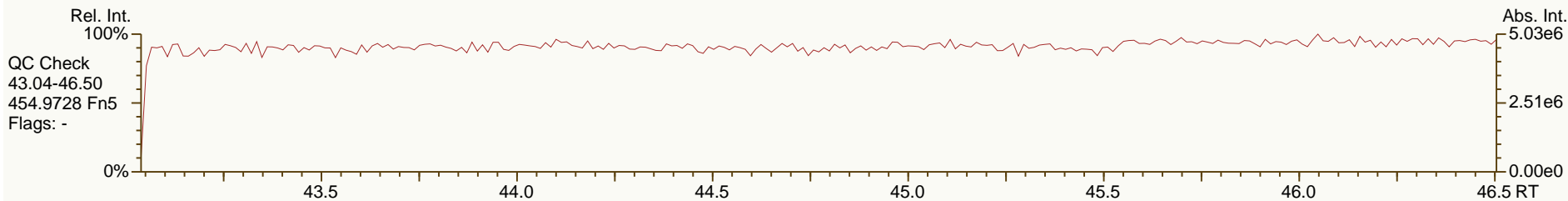
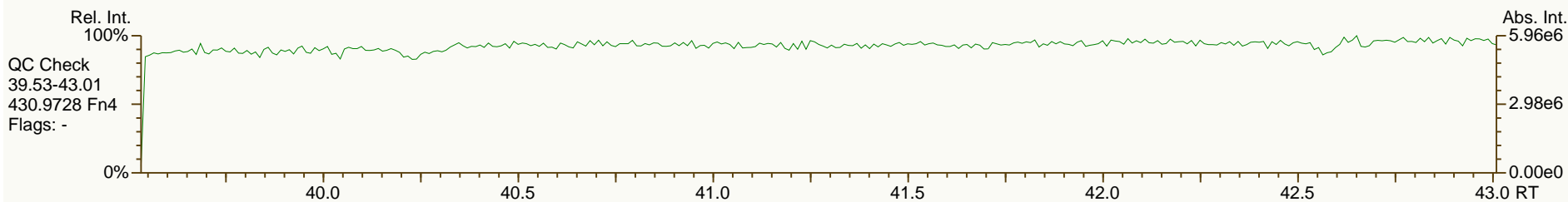
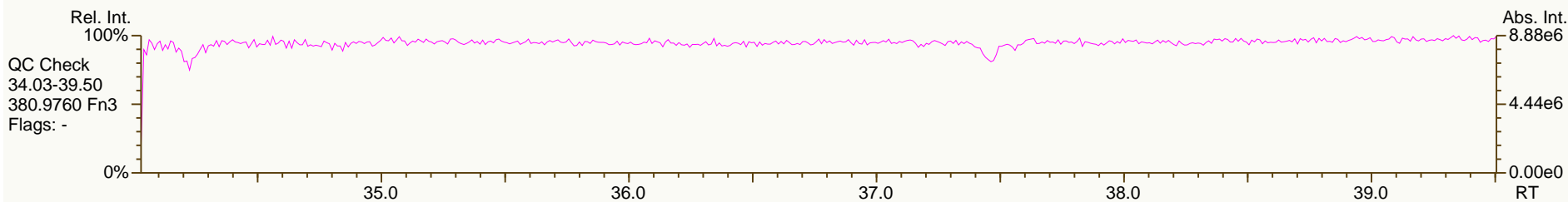
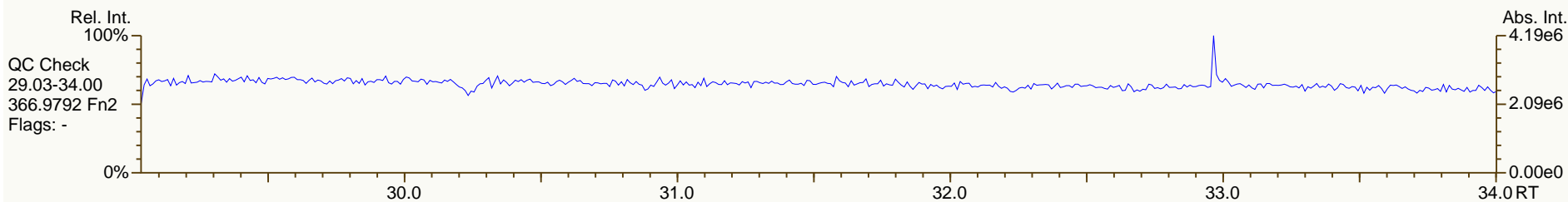
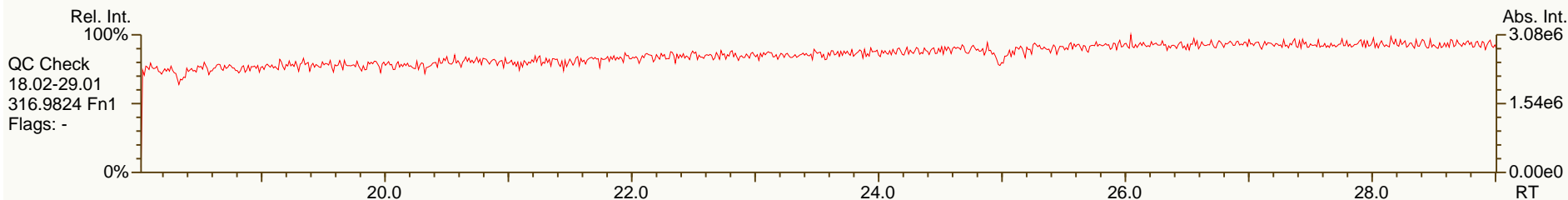
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060-TRL		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

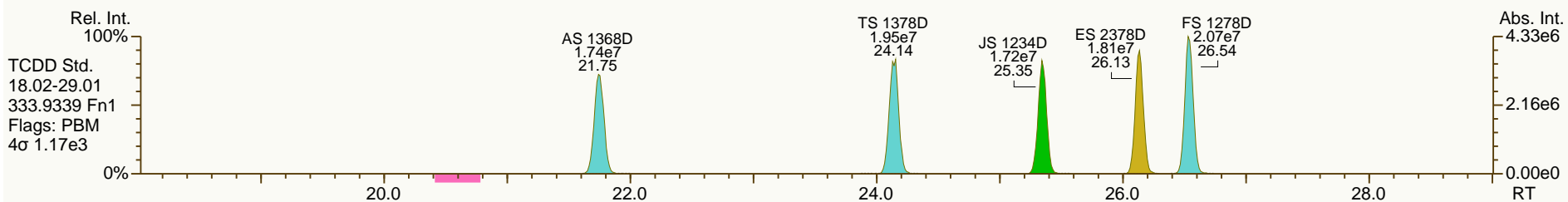
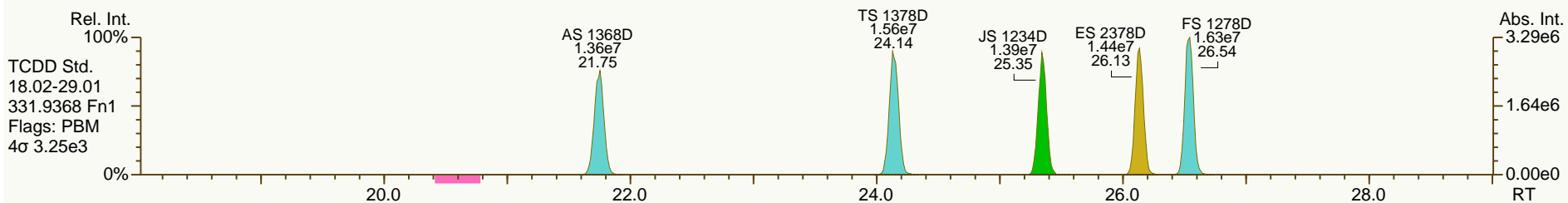
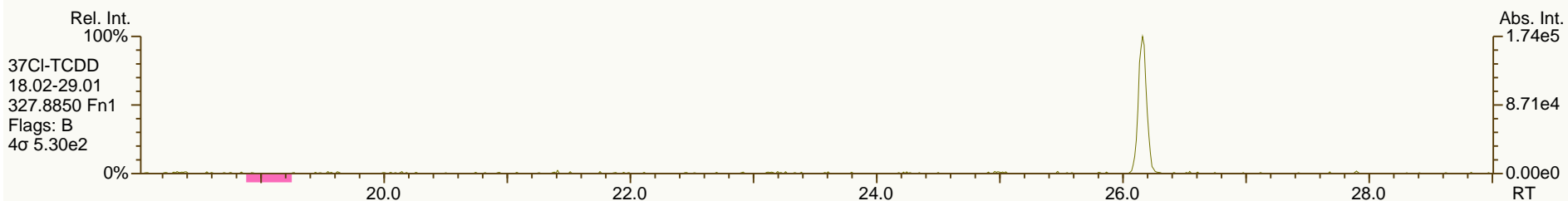
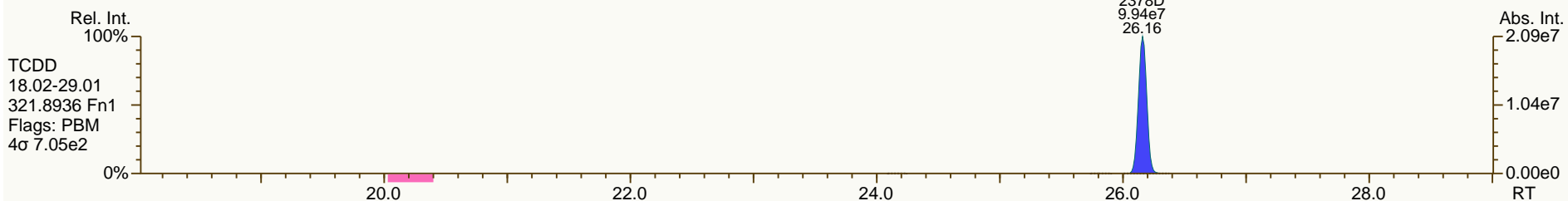
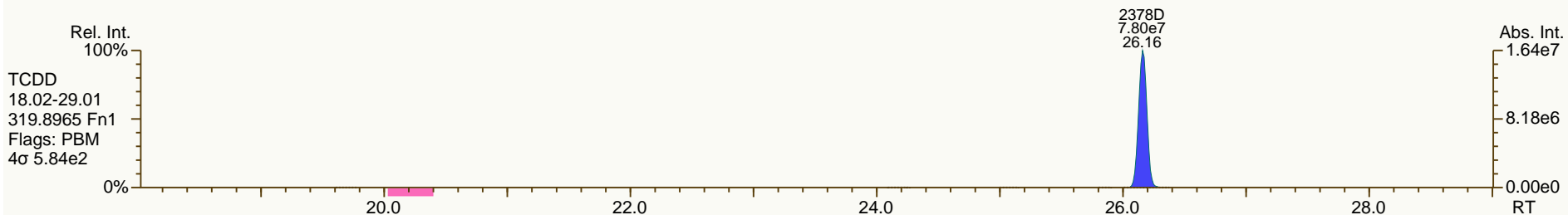
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

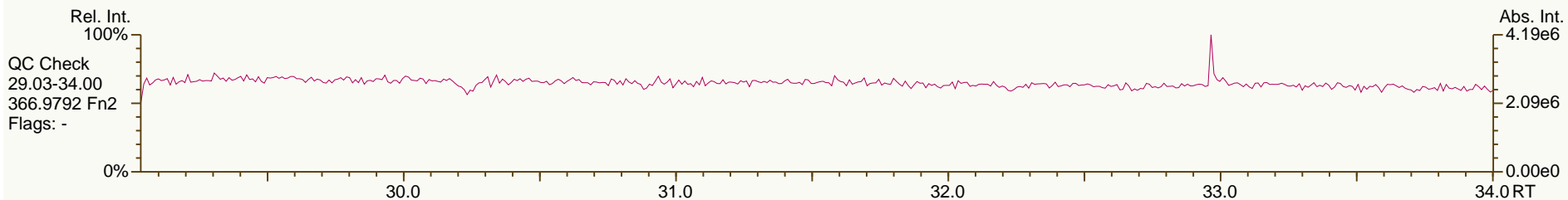
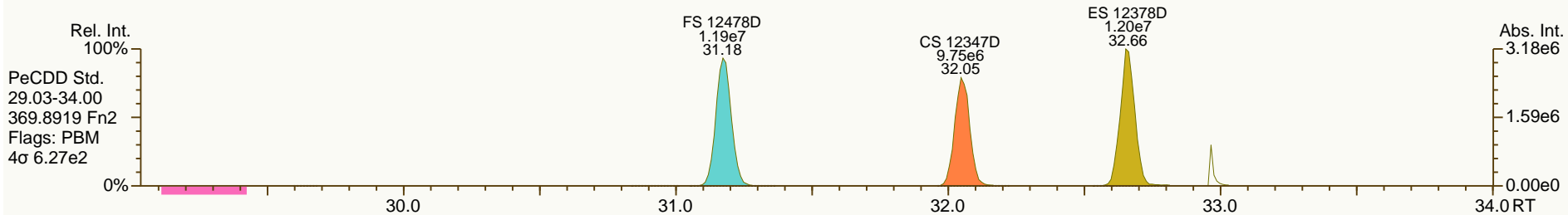
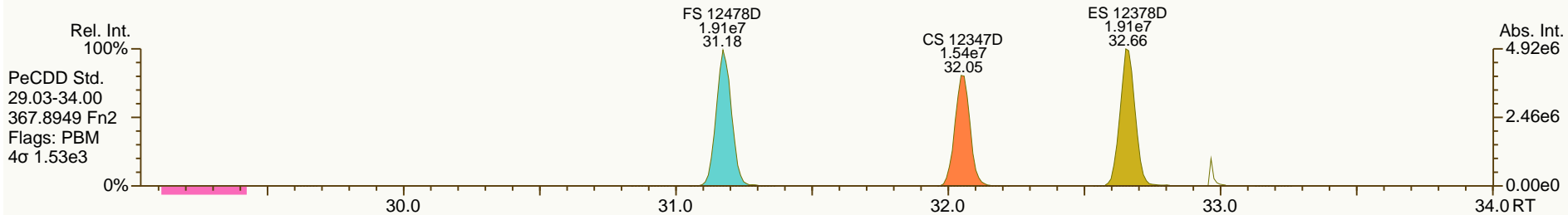
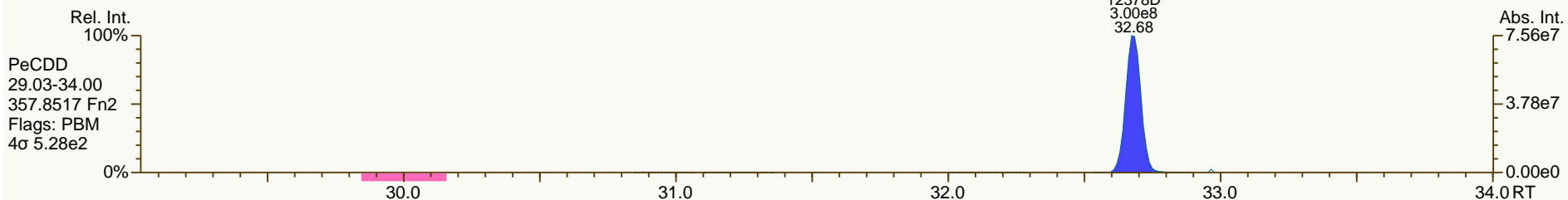
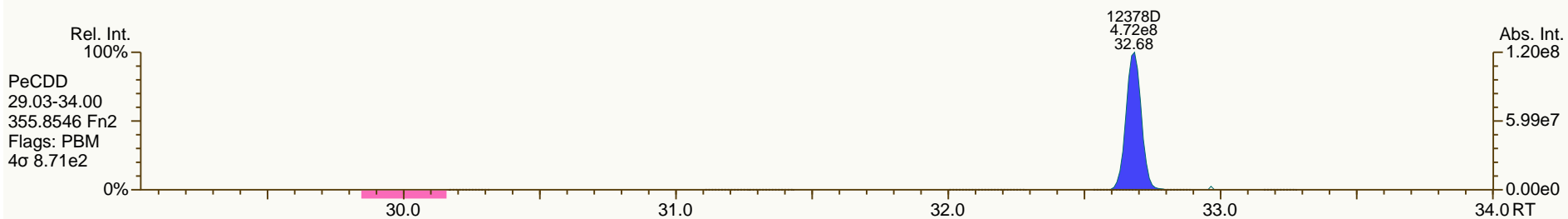
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

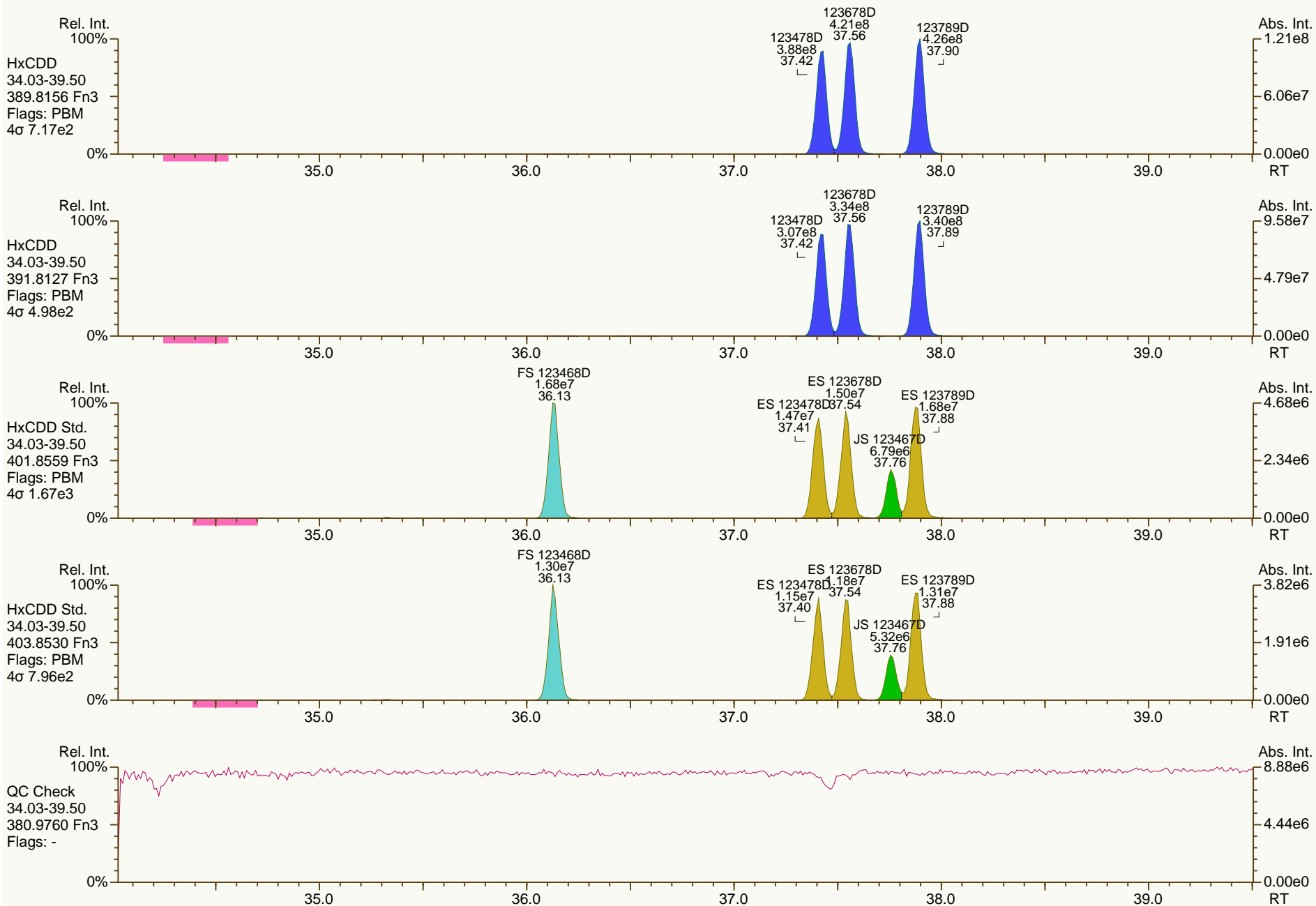
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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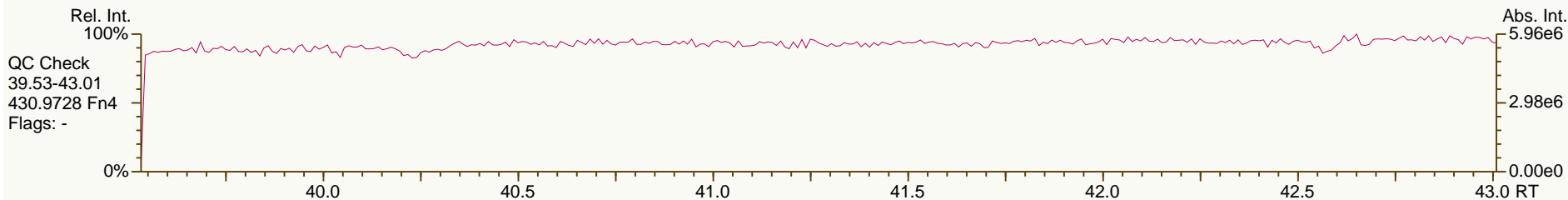
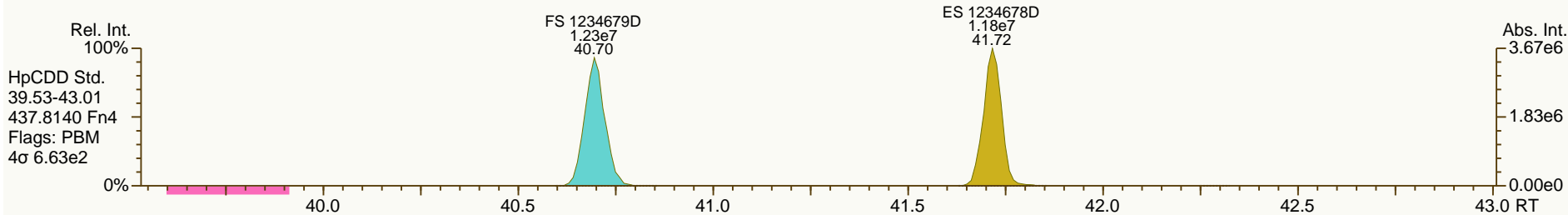
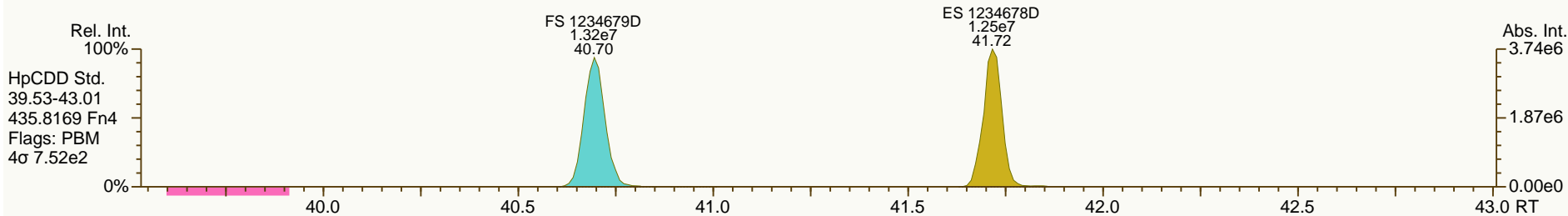
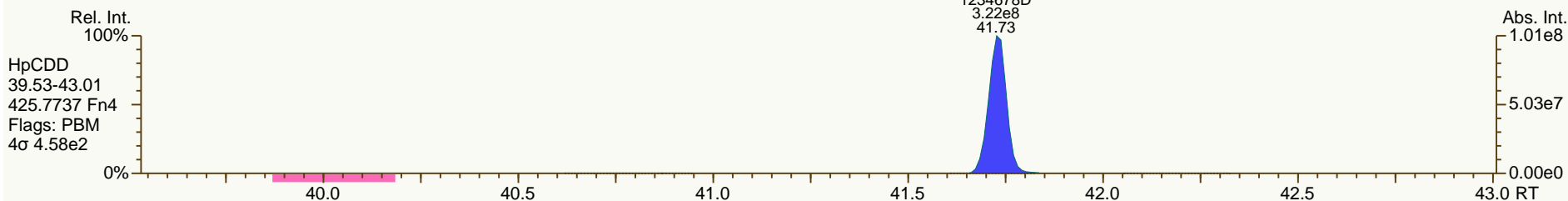
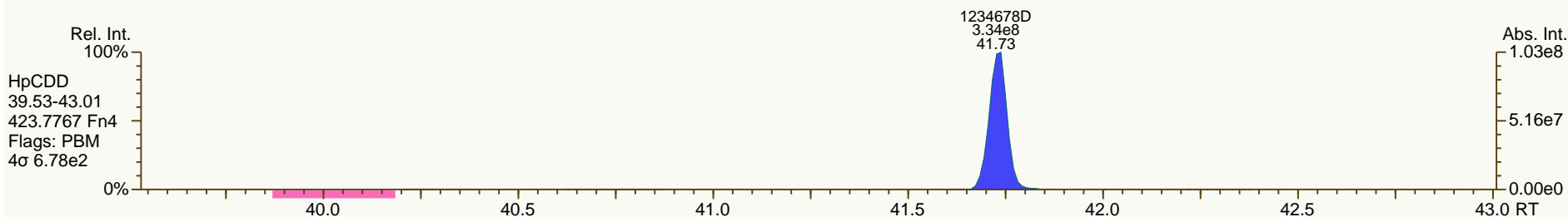
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SGS-AP ID: CS6
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

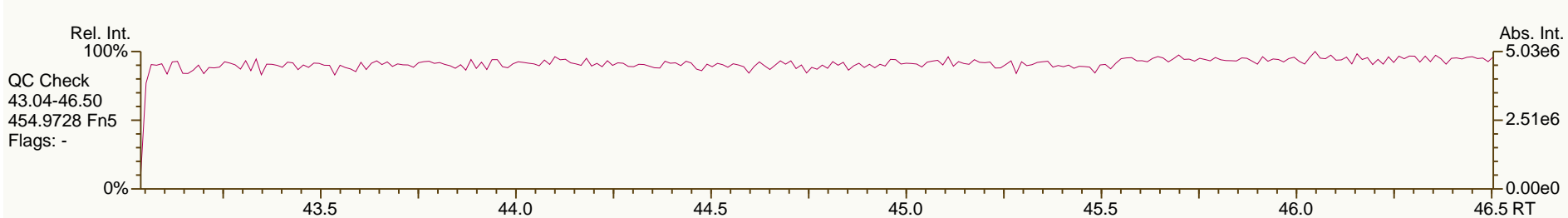
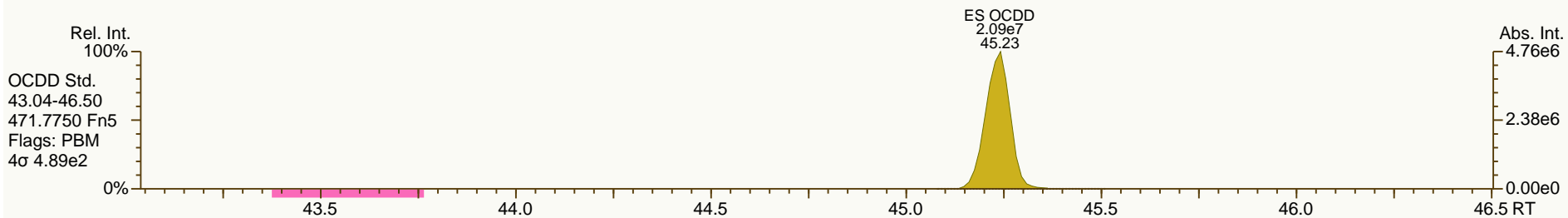
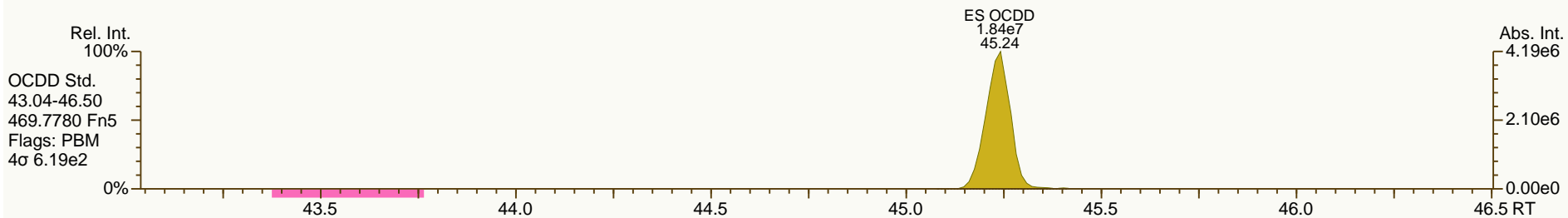
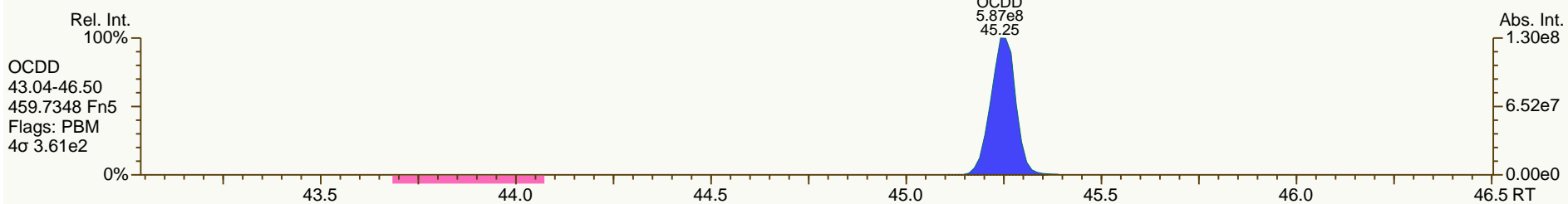
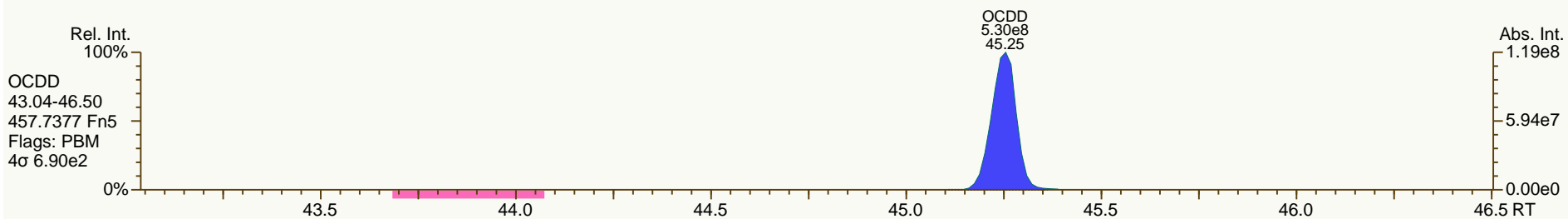
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SGS-AP ID: CS6
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

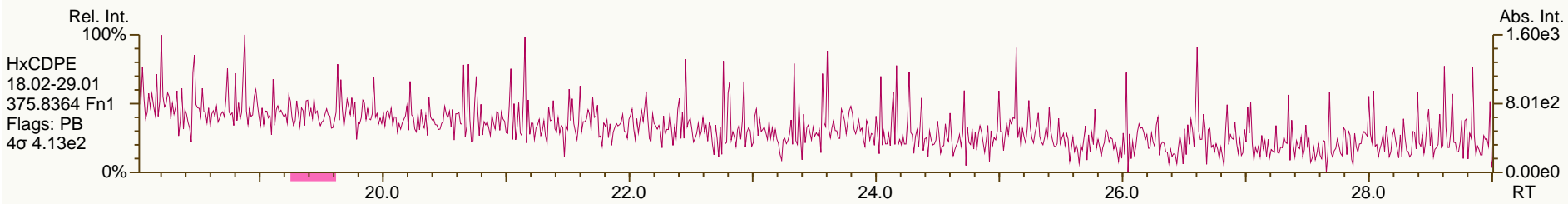
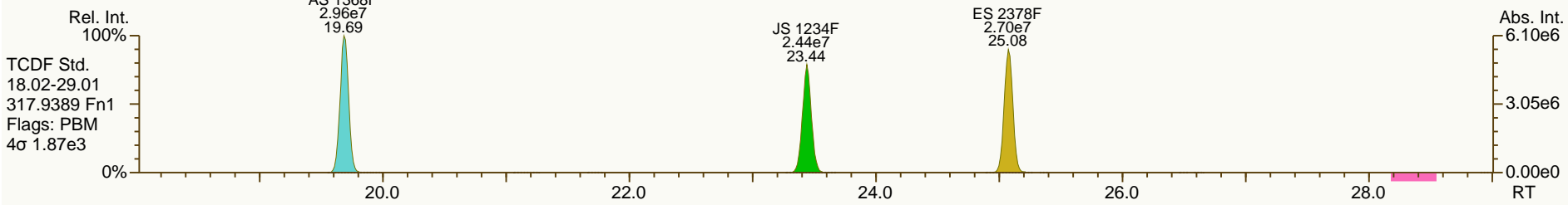
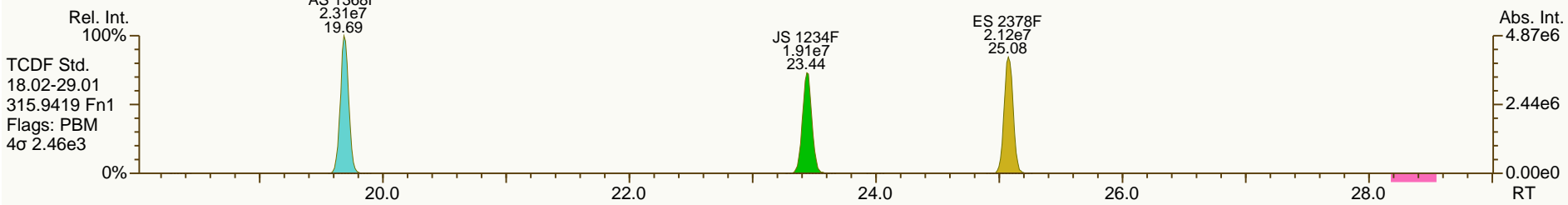
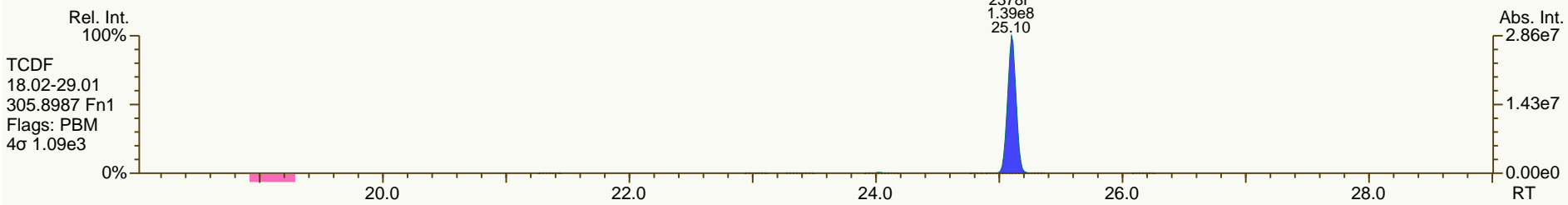
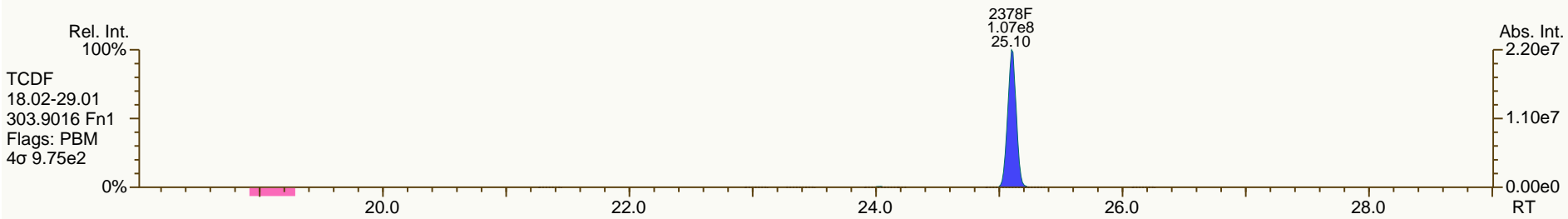
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

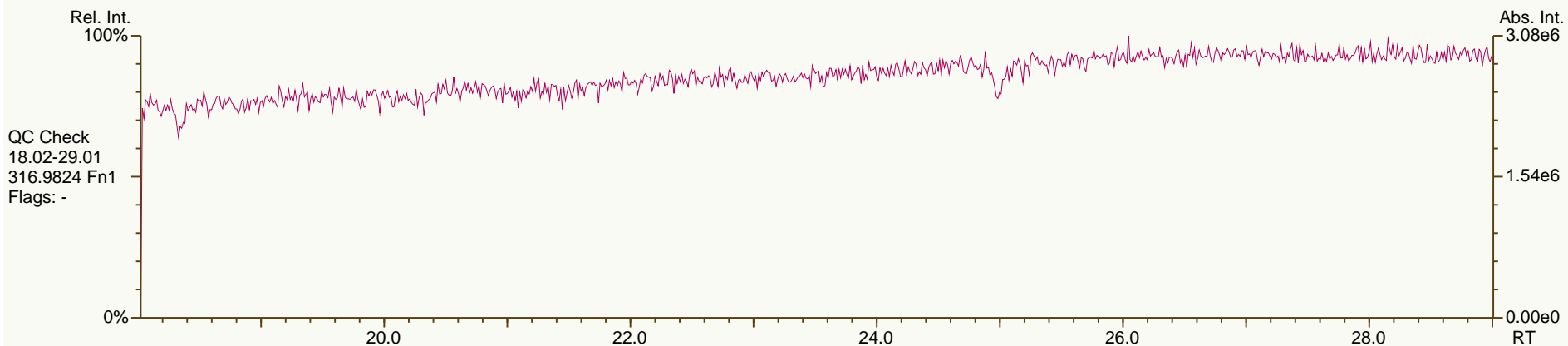
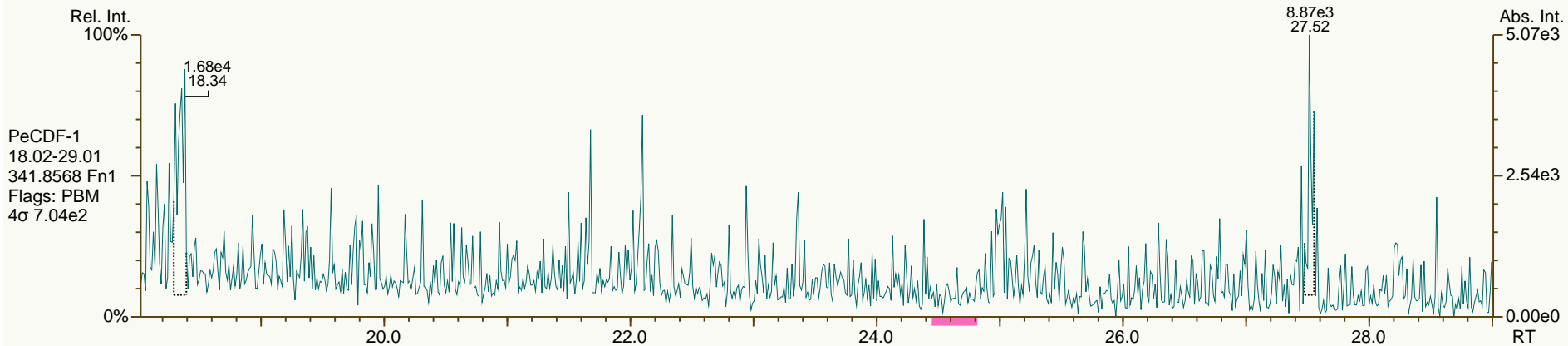
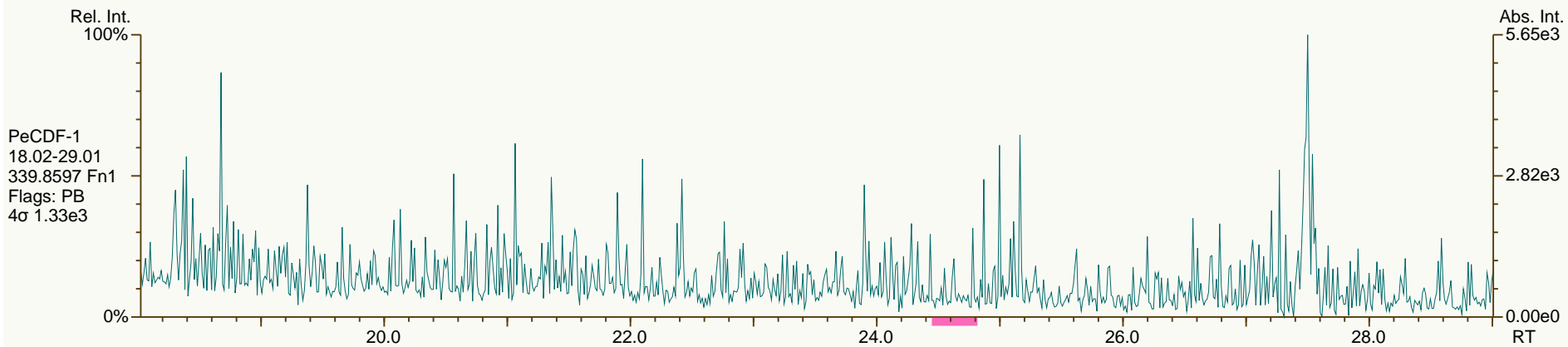
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

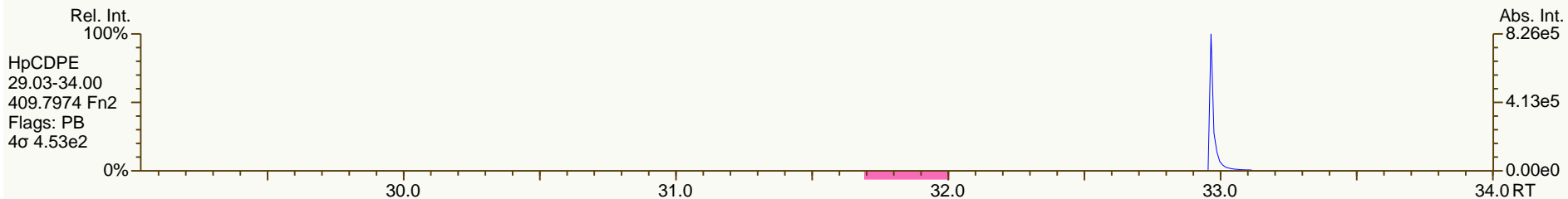
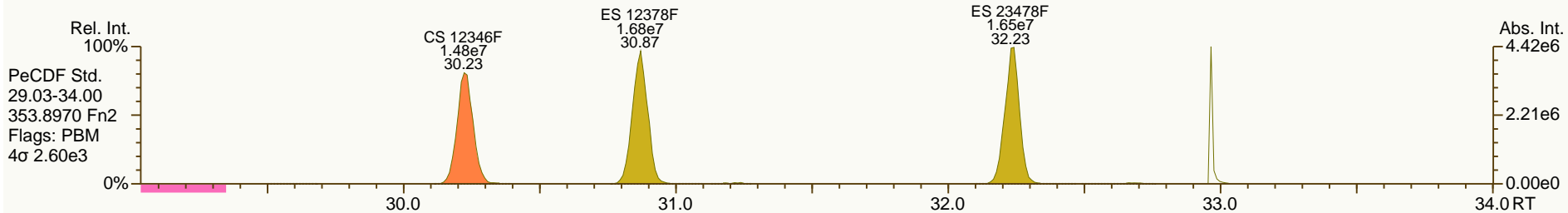
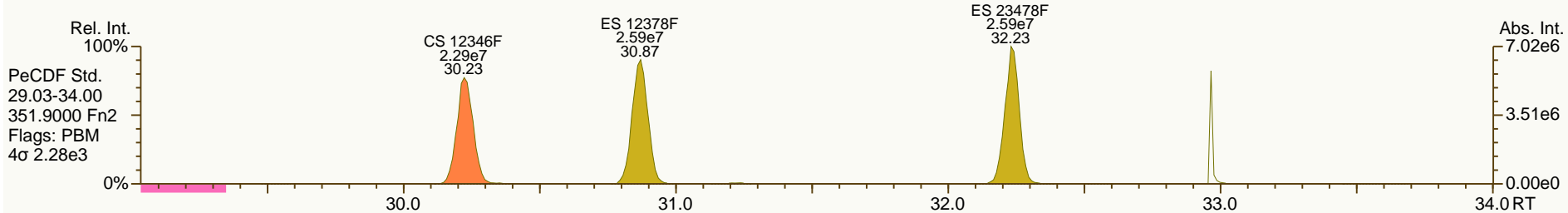
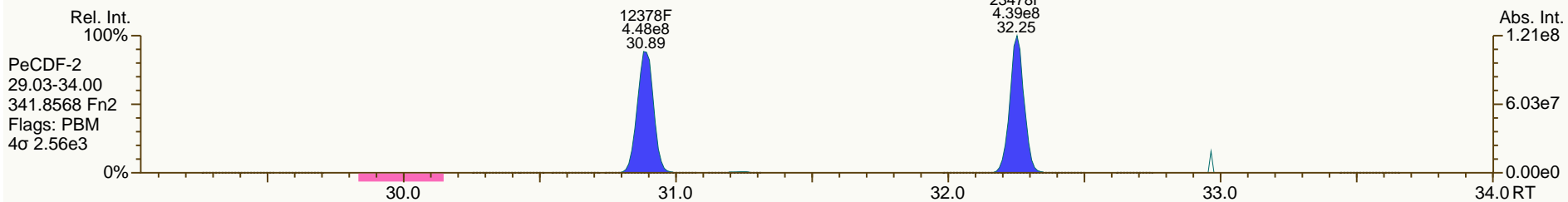
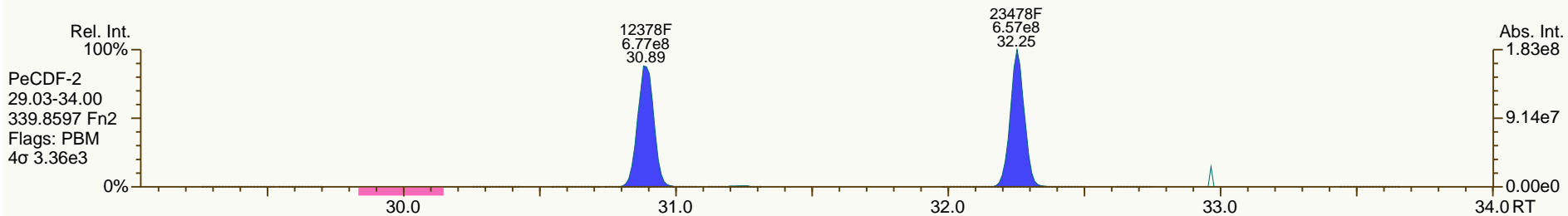
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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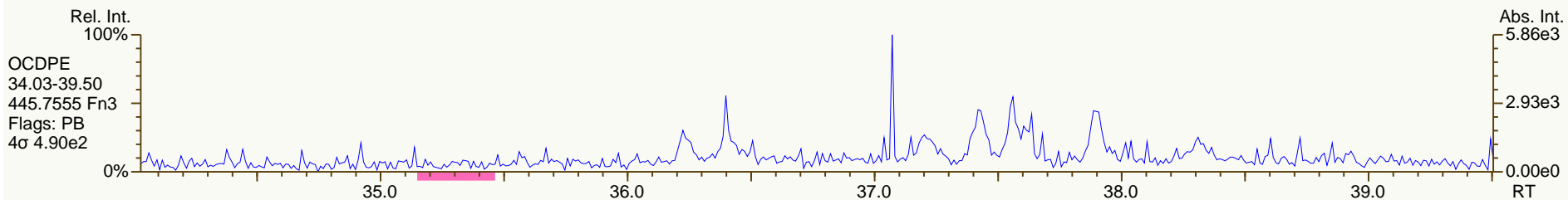
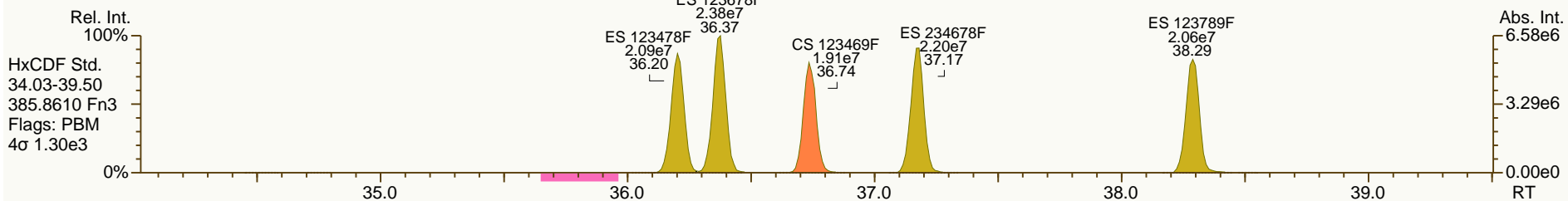
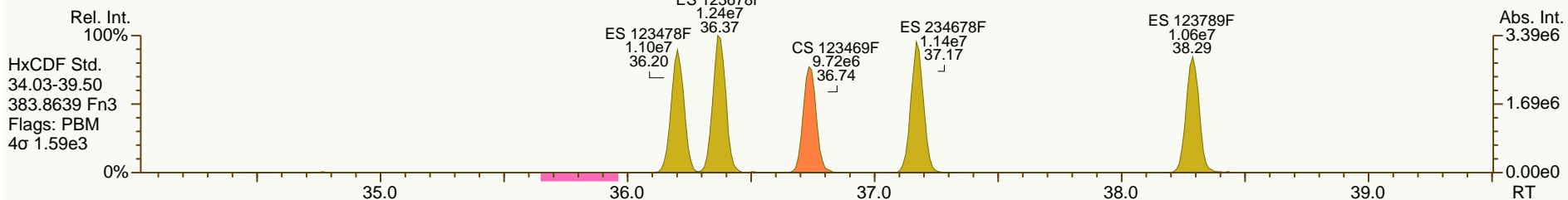
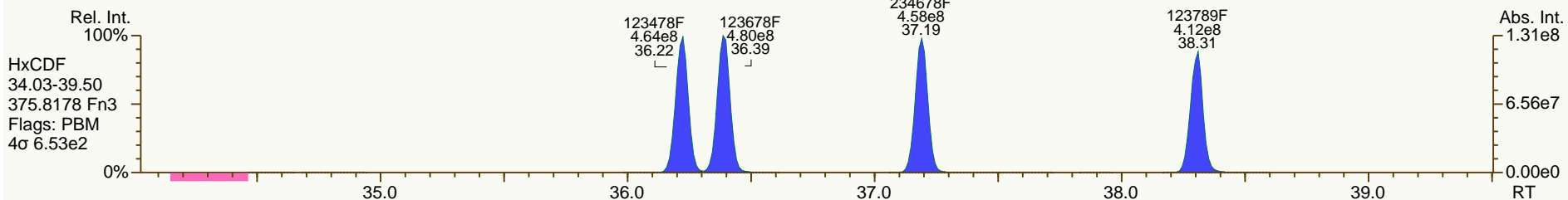
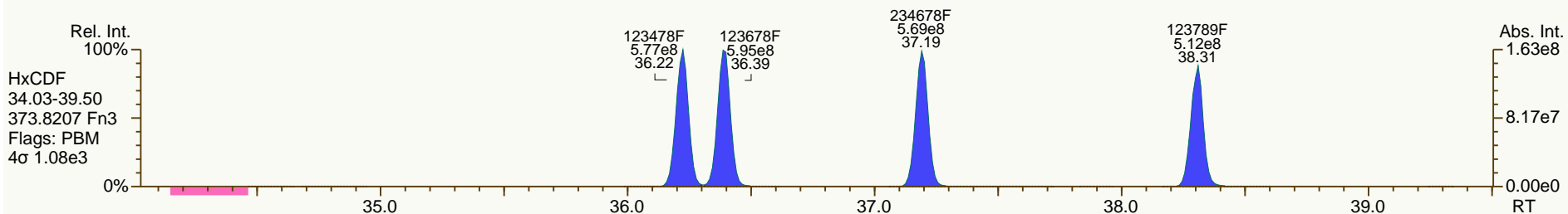
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

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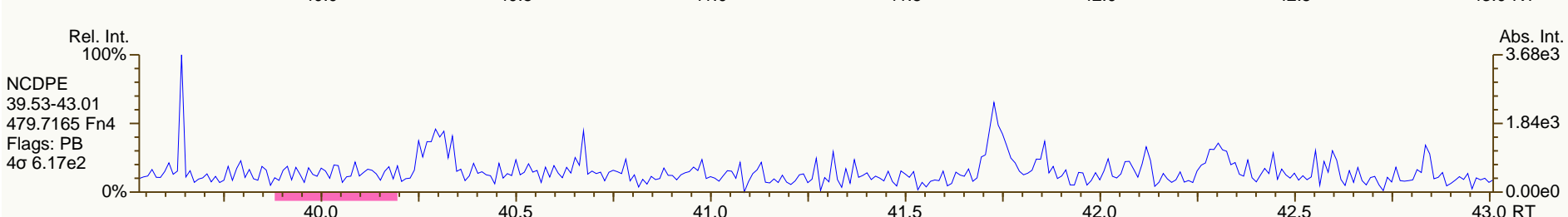
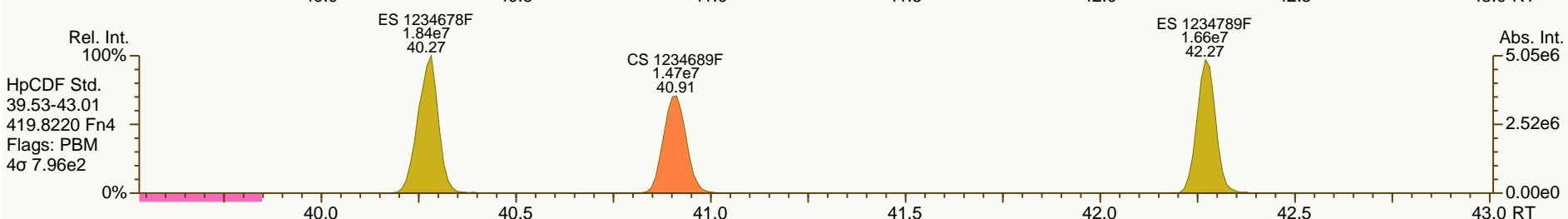
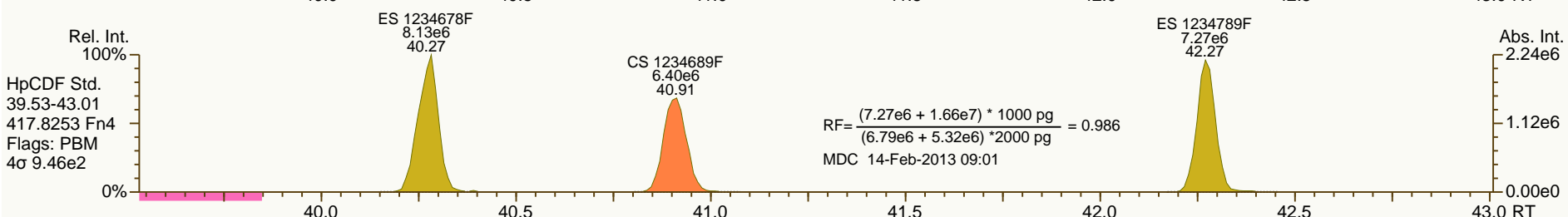
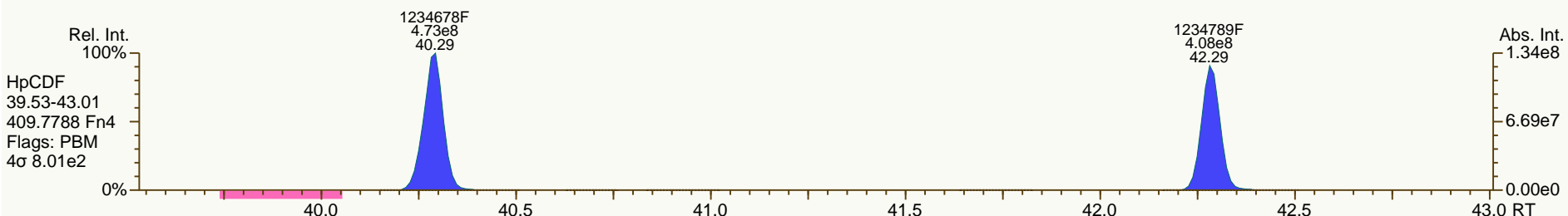
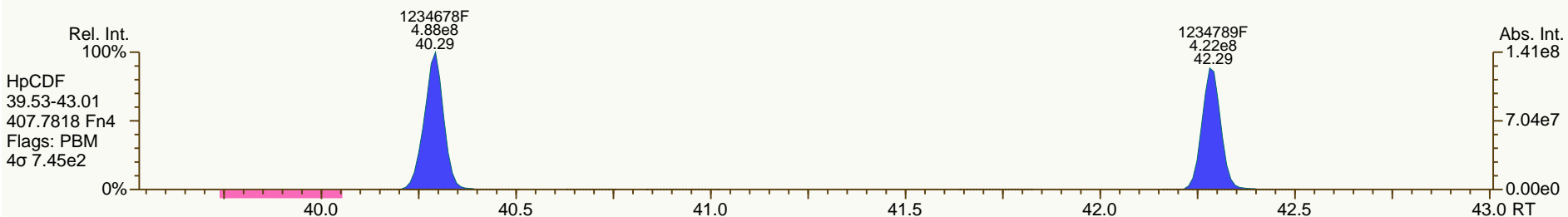
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

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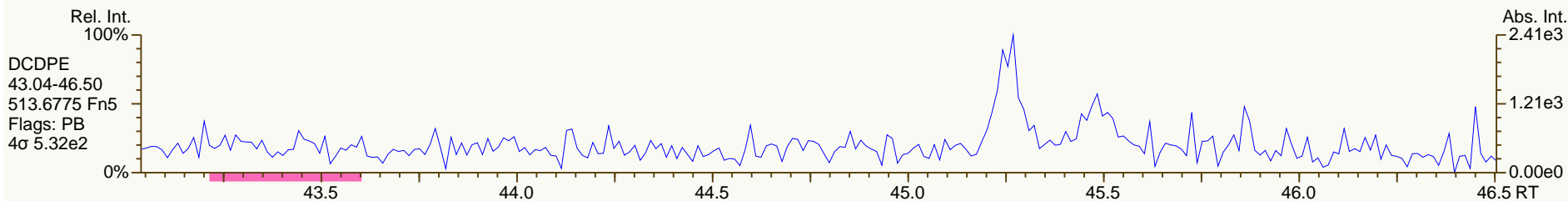
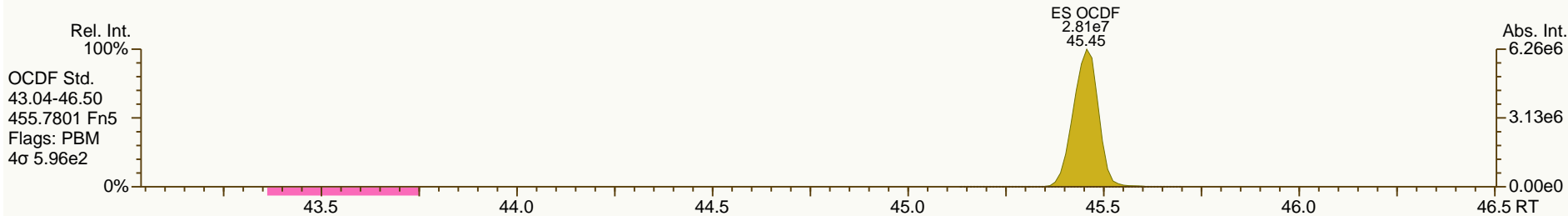
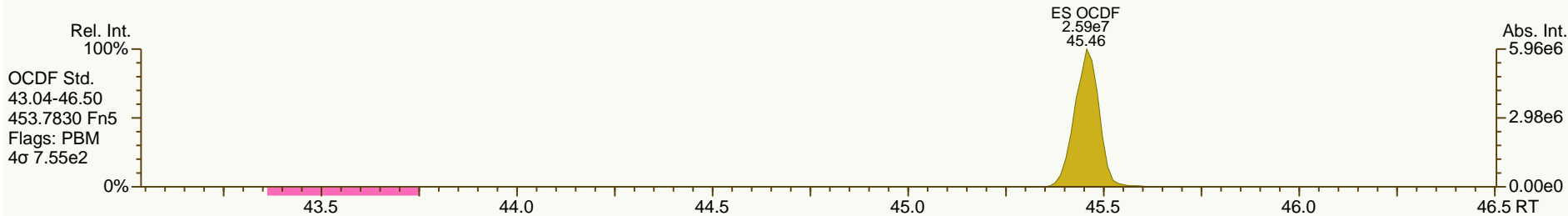
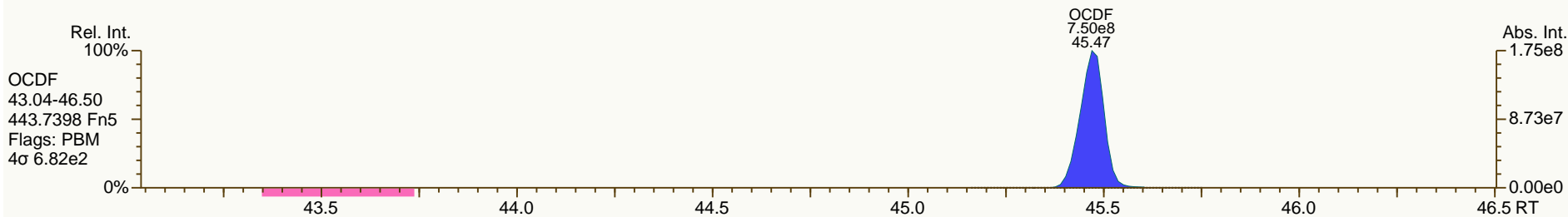
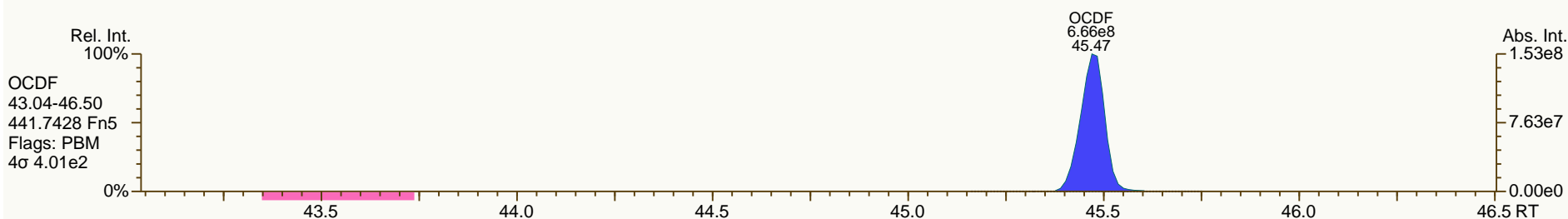
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

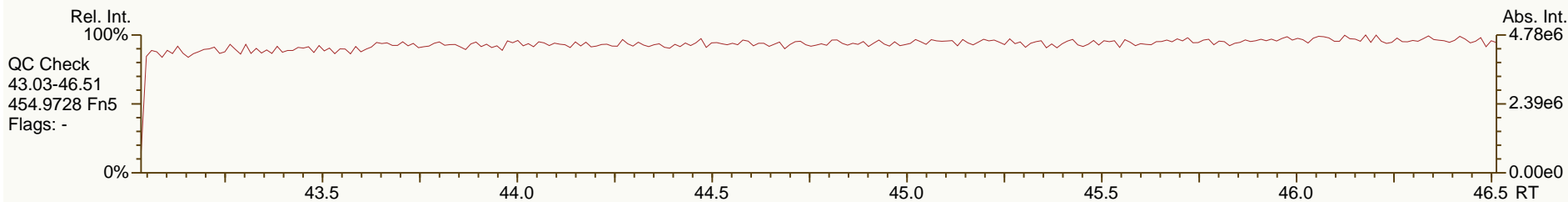
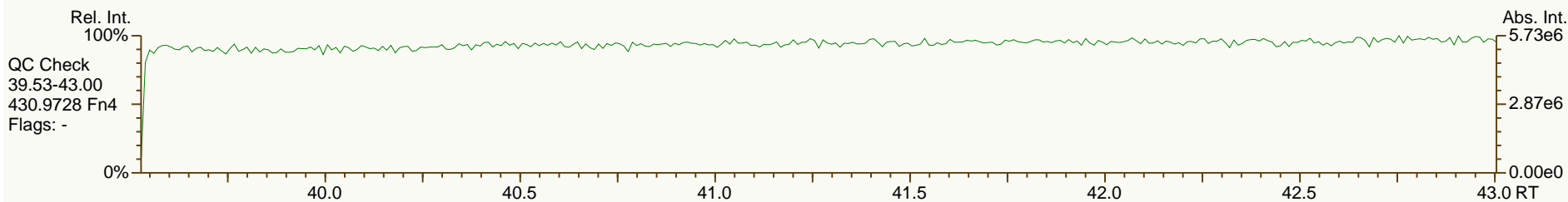
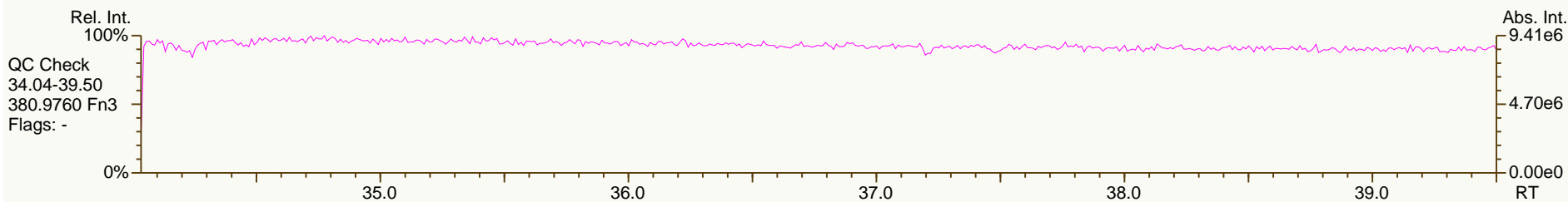
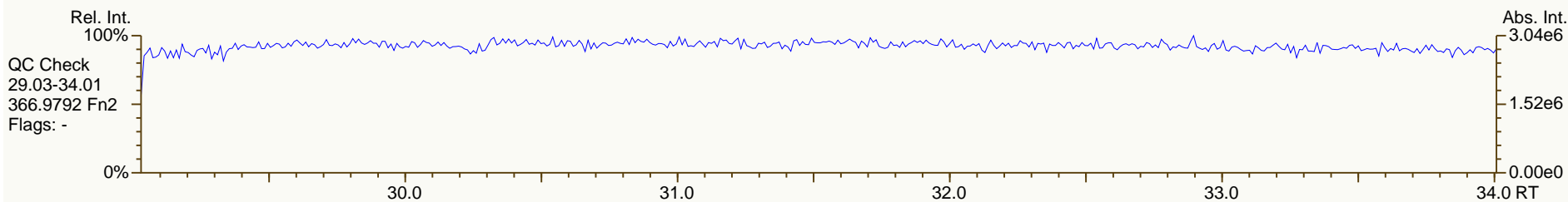
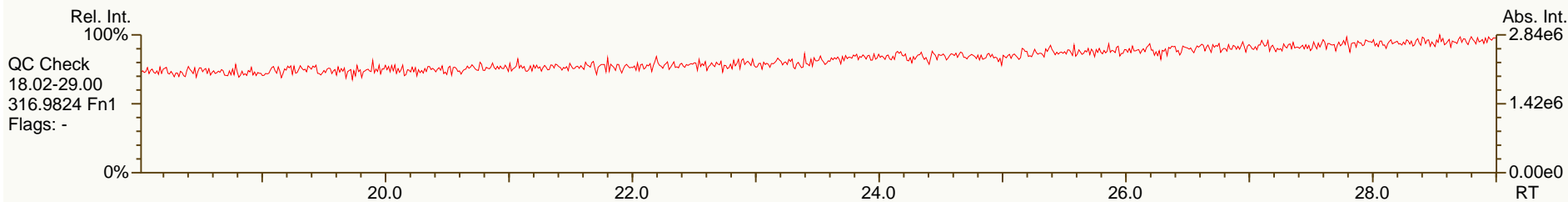
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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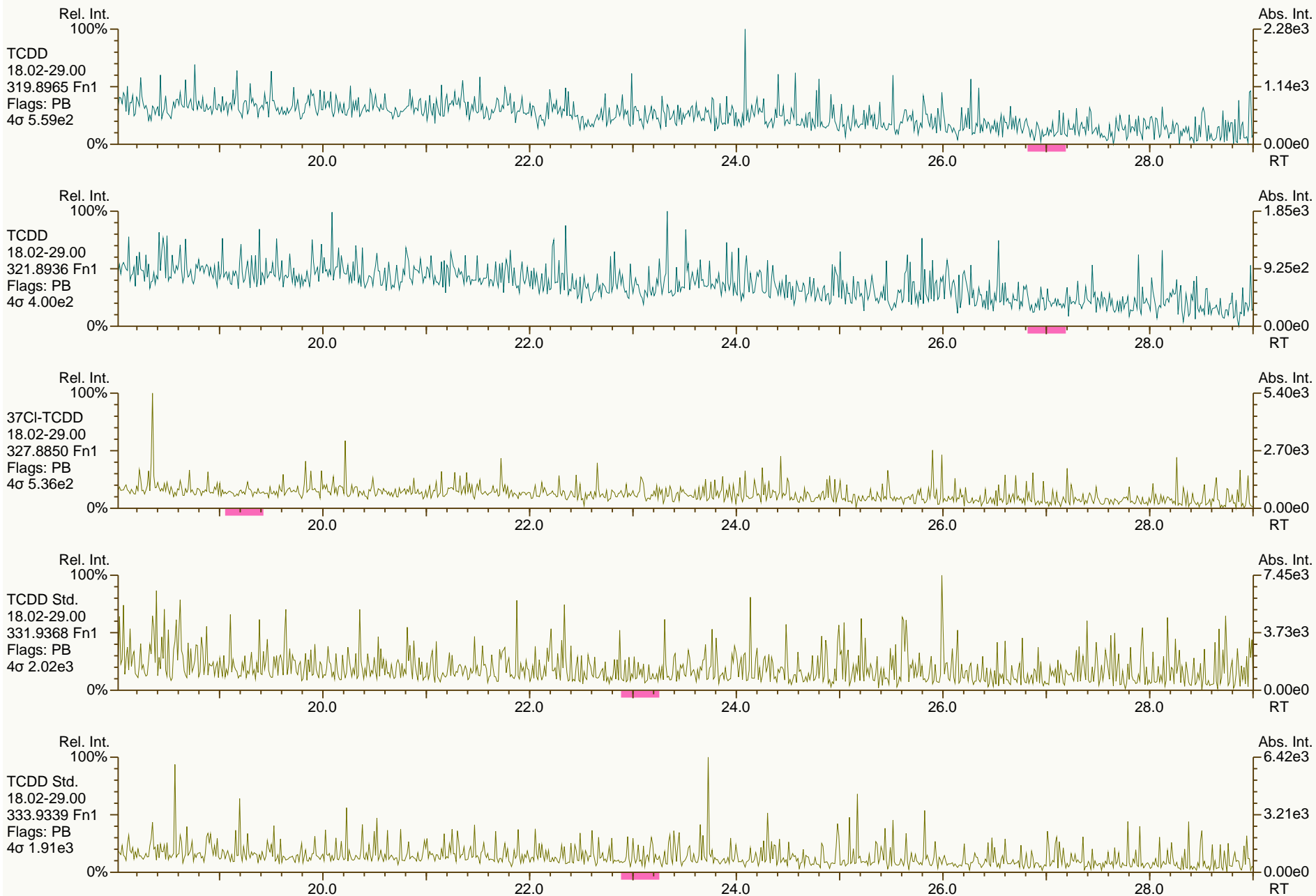
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

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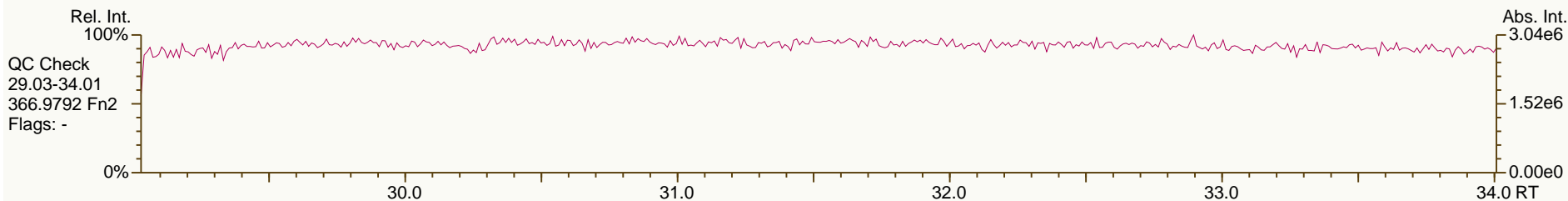
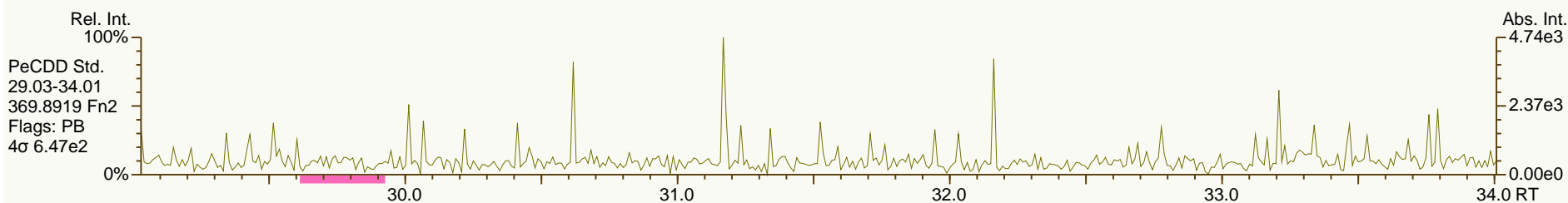
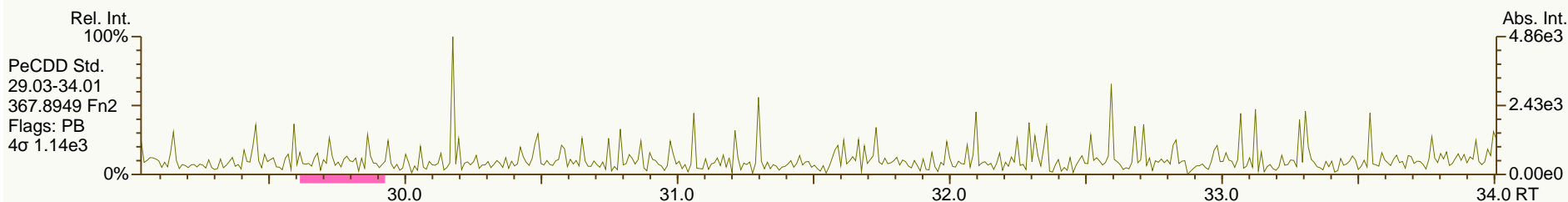
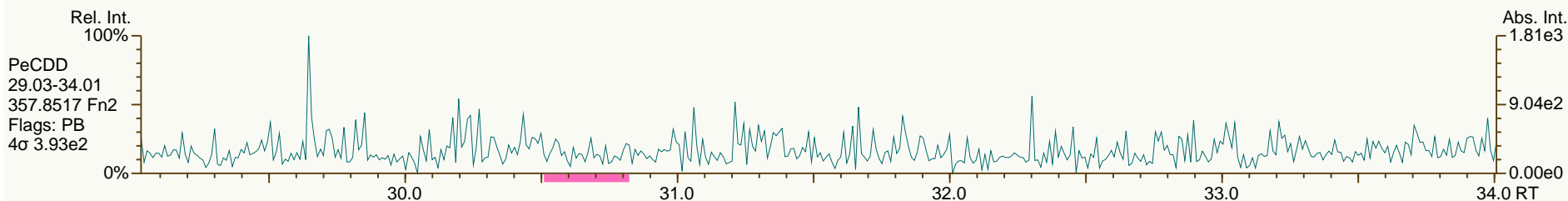
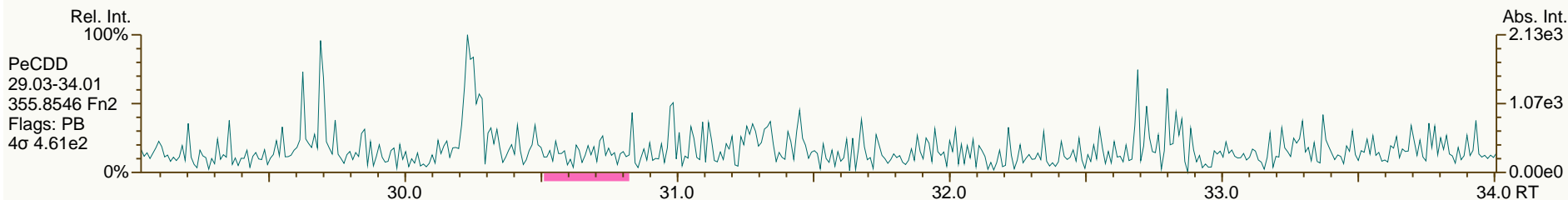
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

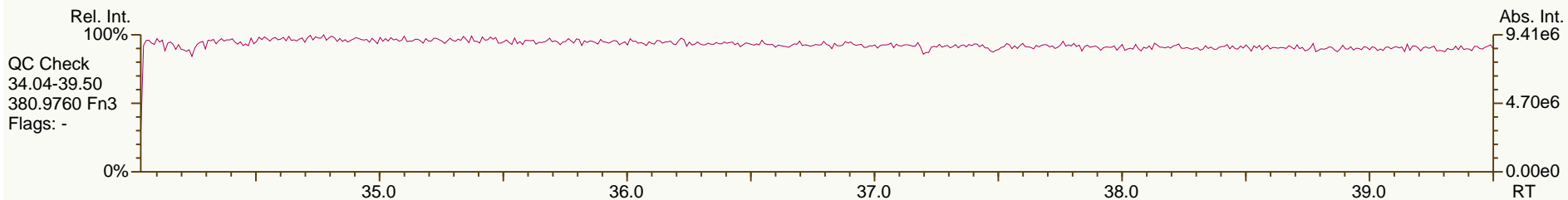
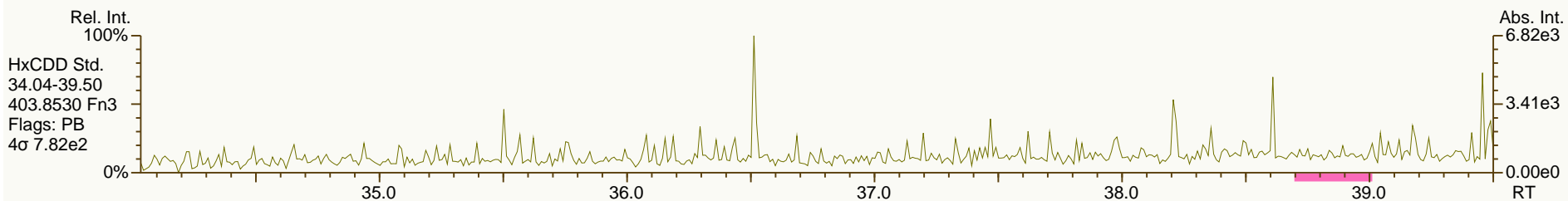
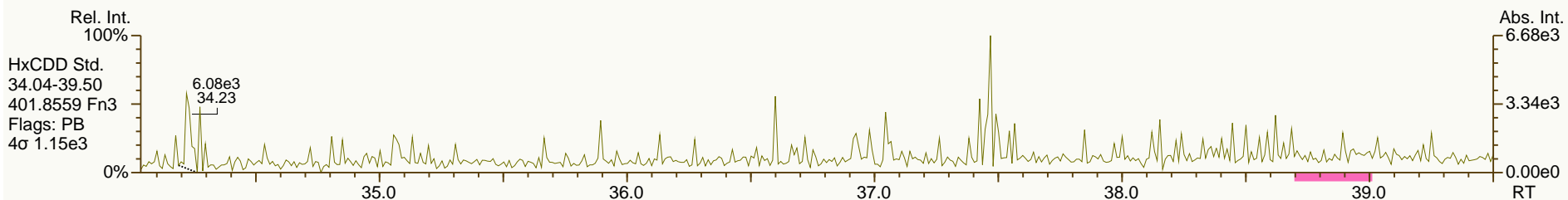
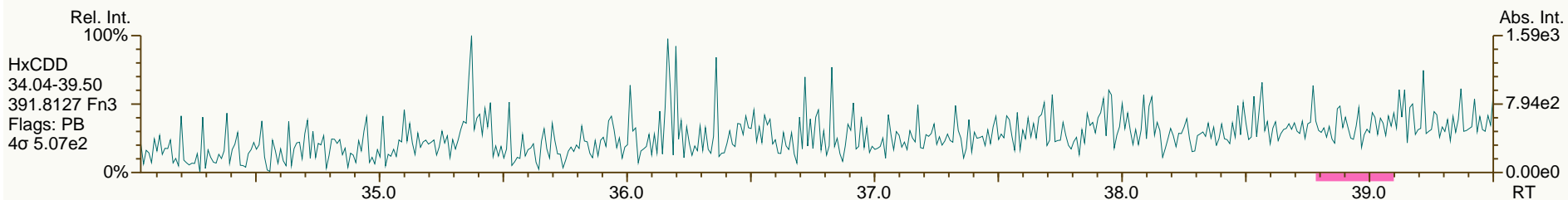
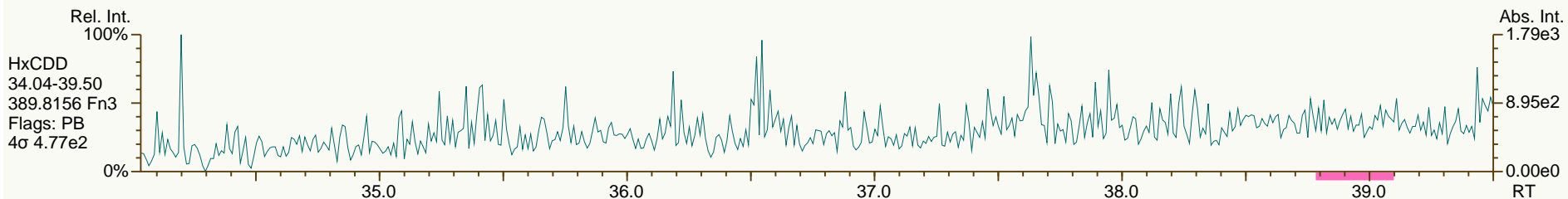
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SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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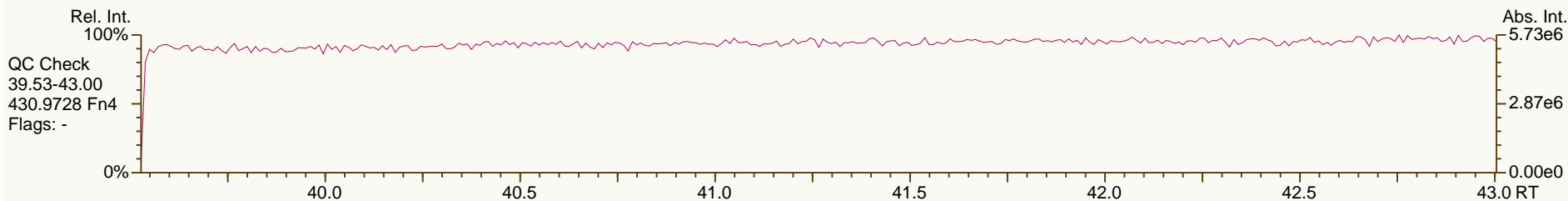
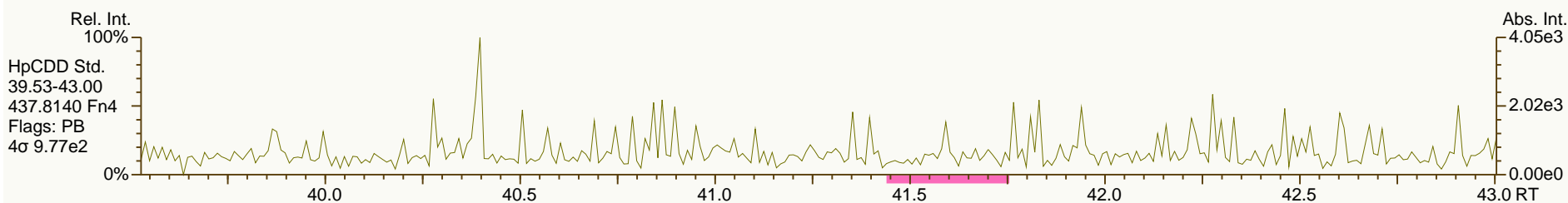
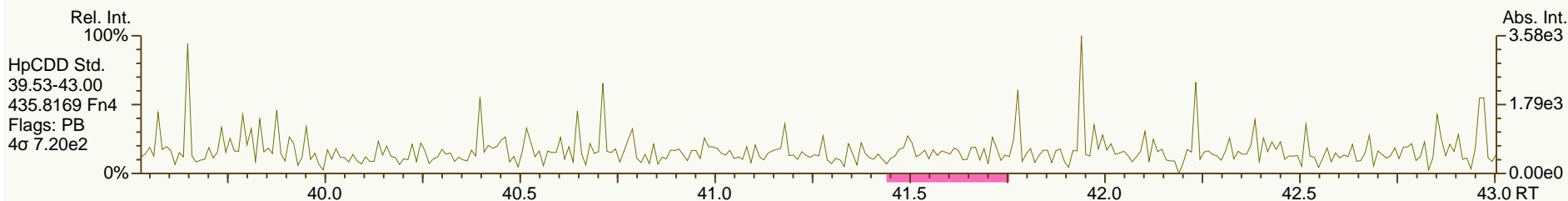
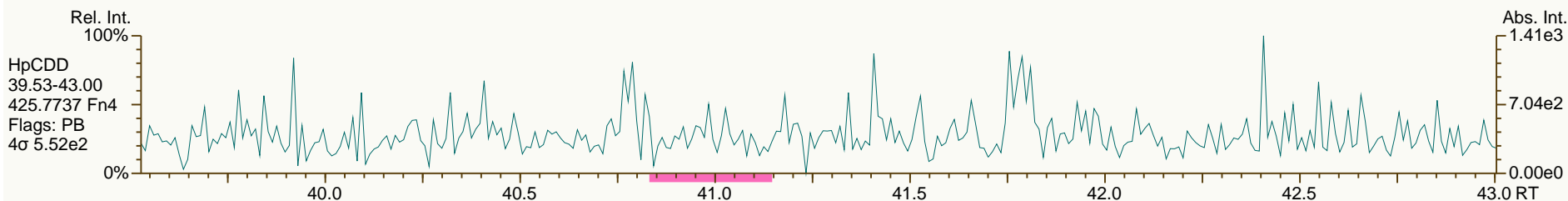
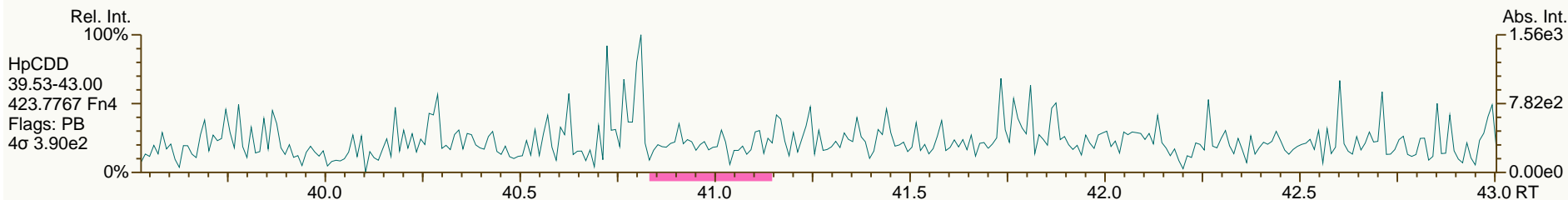
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

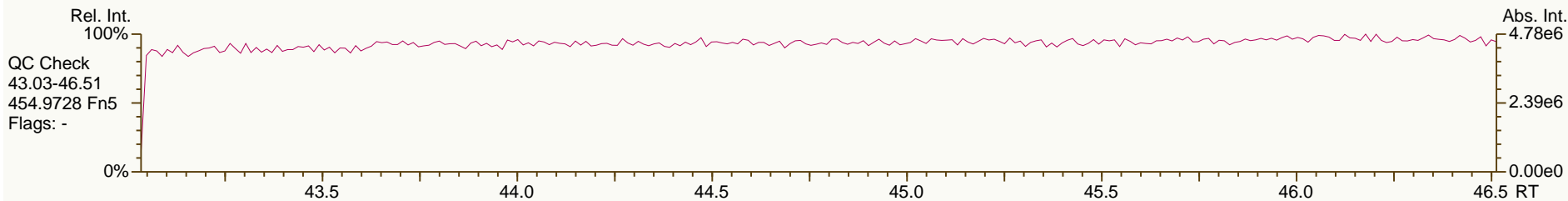
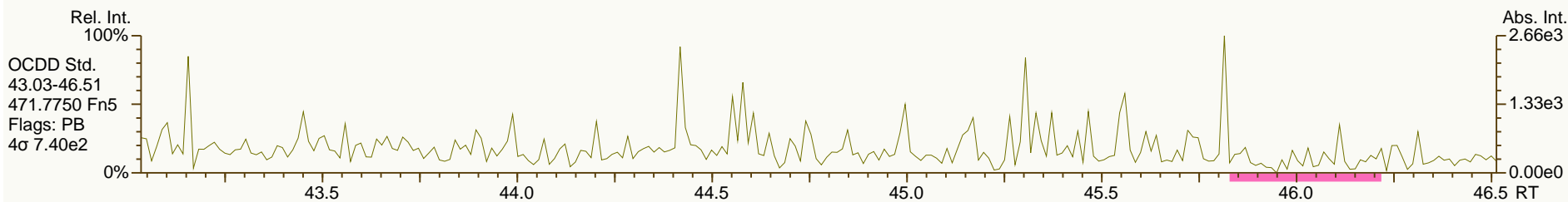
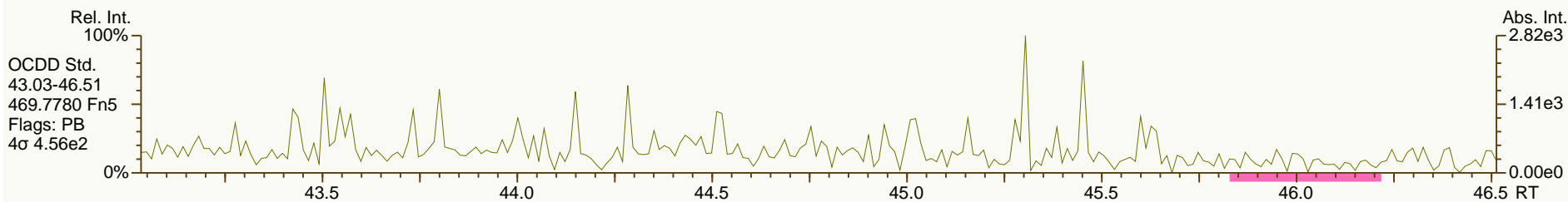
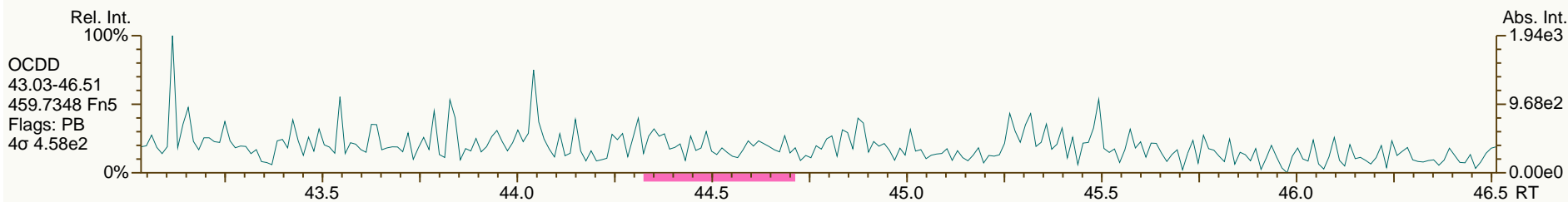
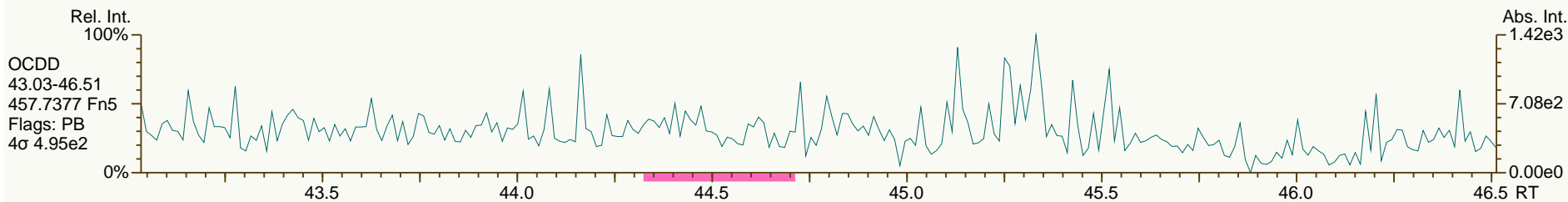
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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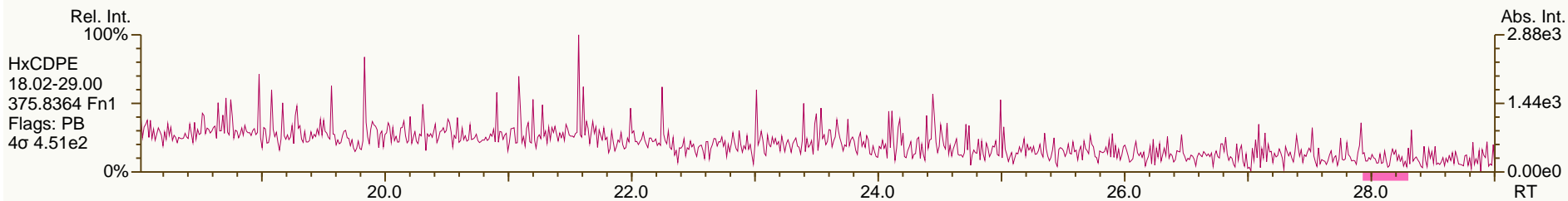
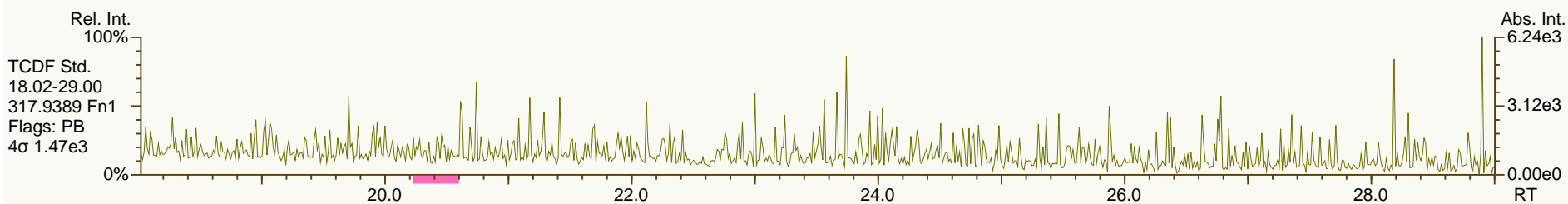
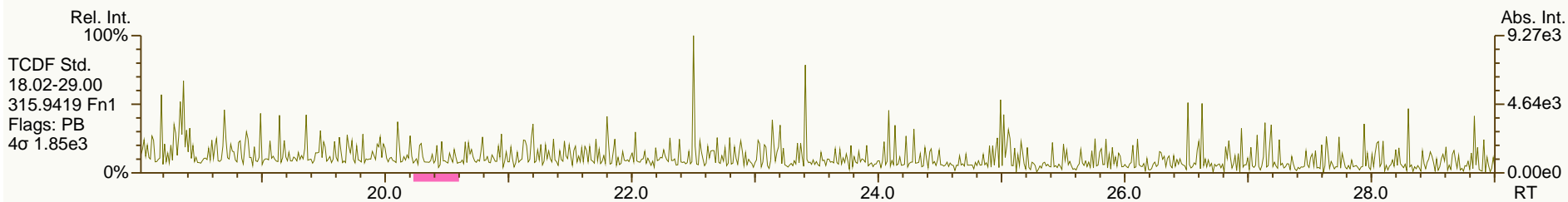
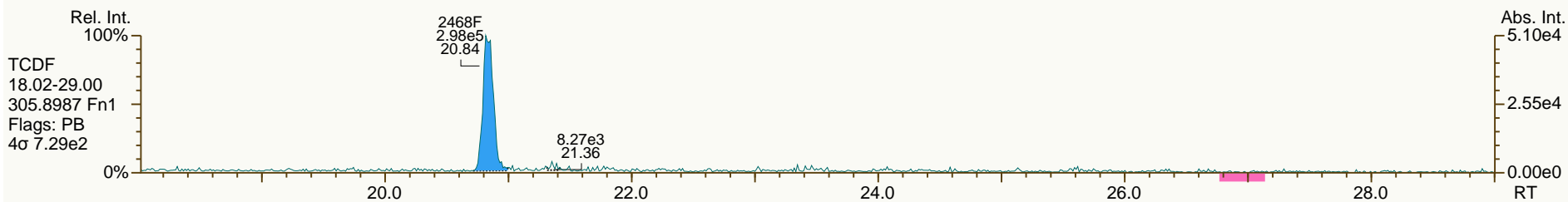
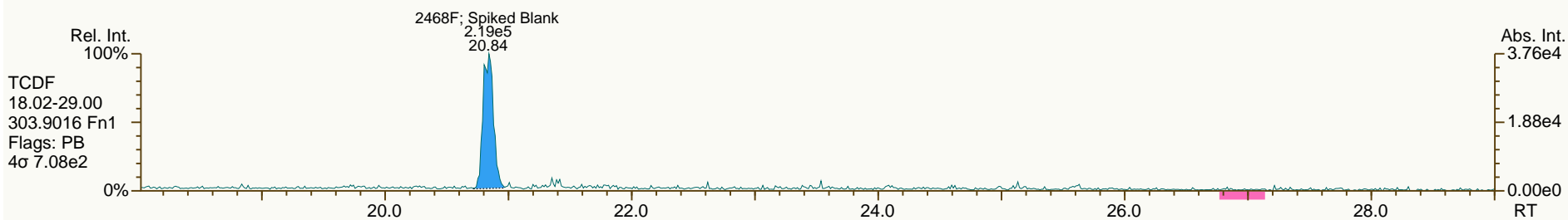
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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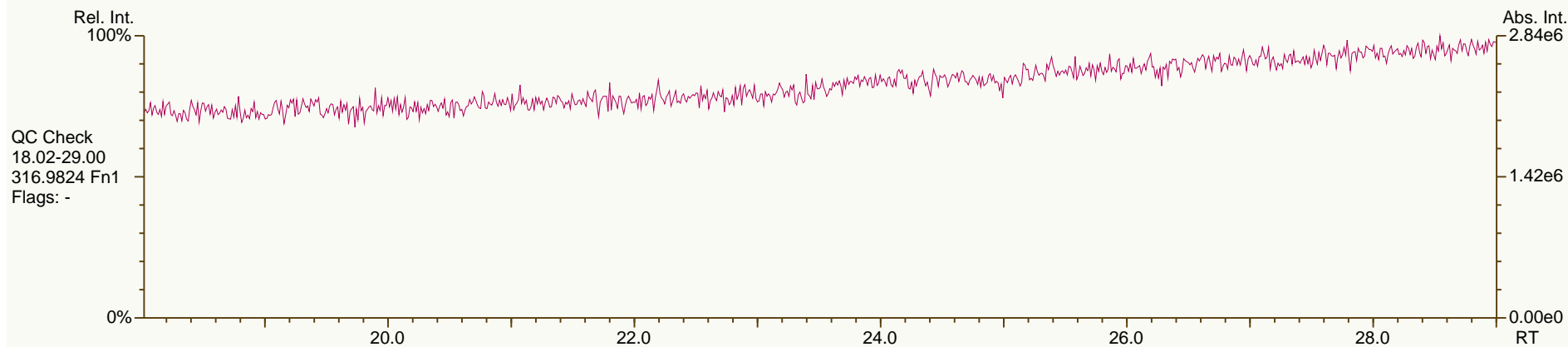
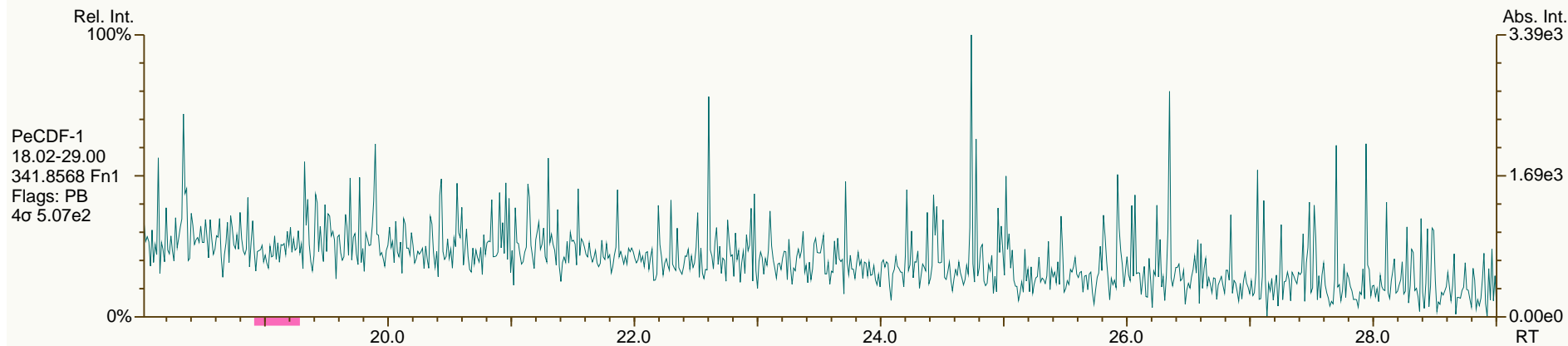
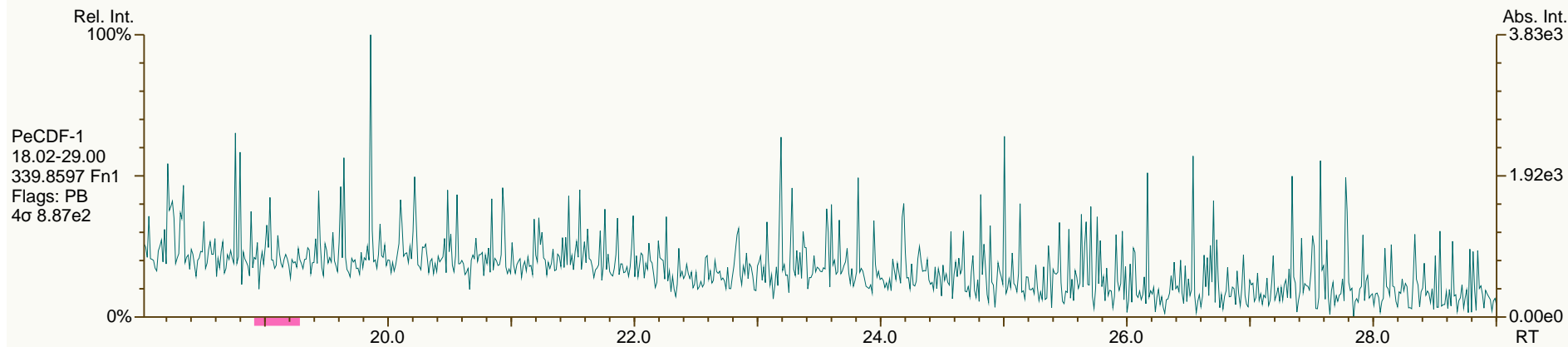
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Instr: AutoSpec-Ultima MM1

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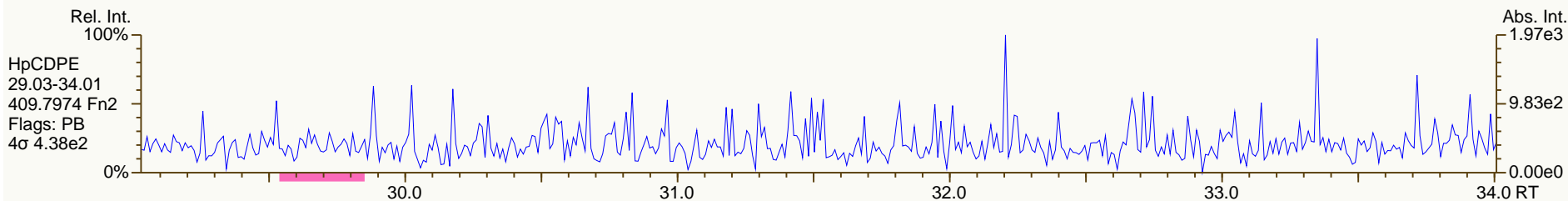
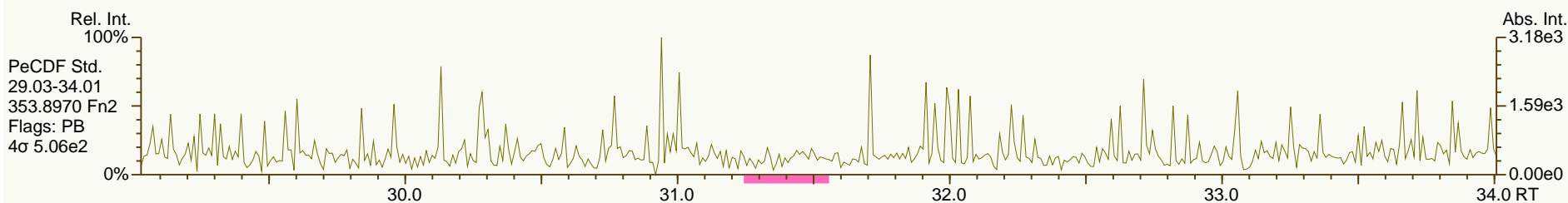
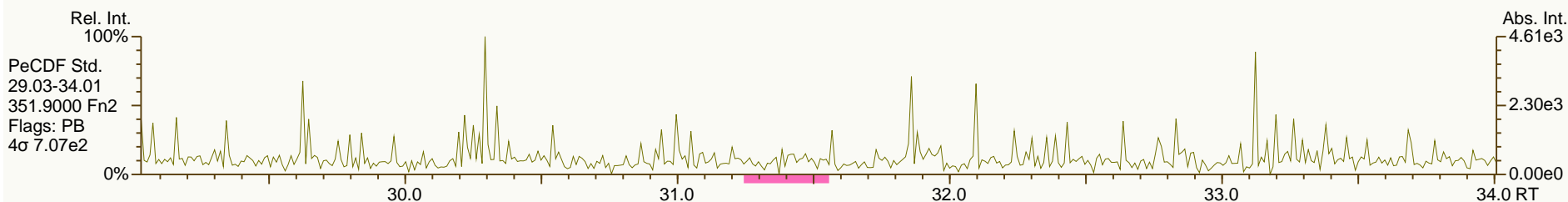
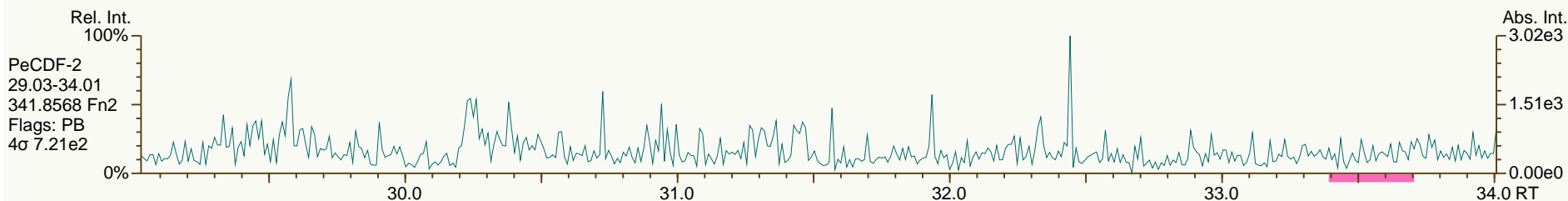
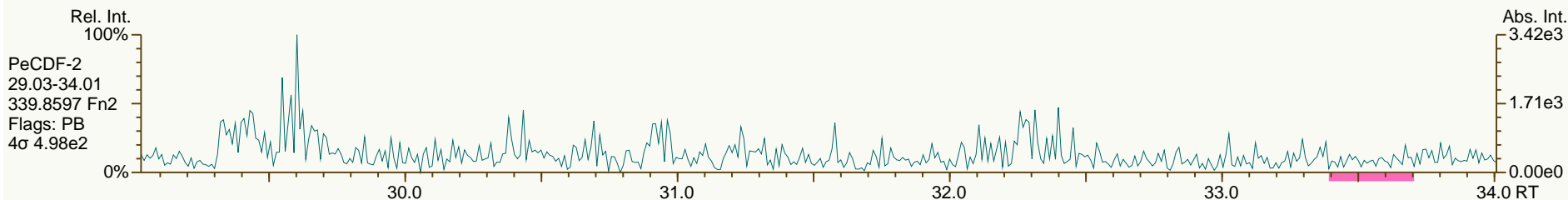
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Instr: AutoSpec-Ultima MM1

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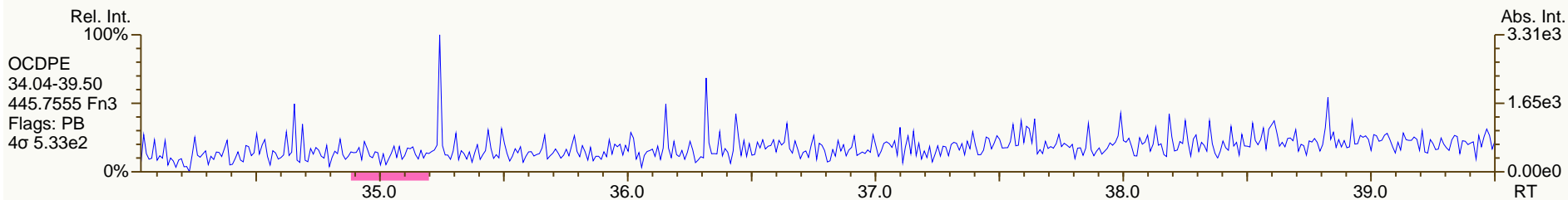
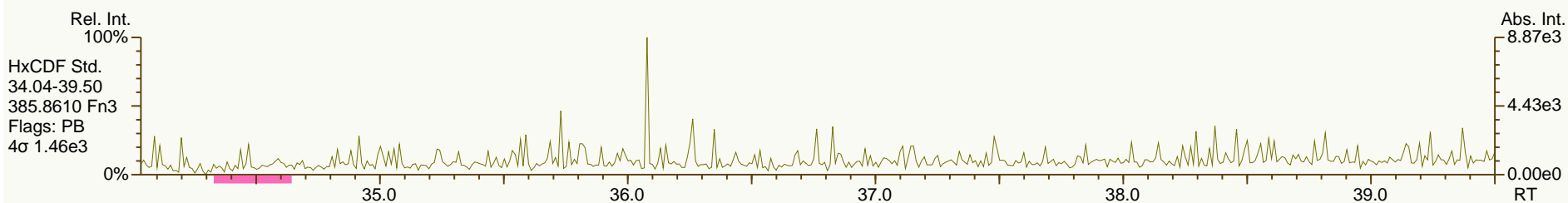
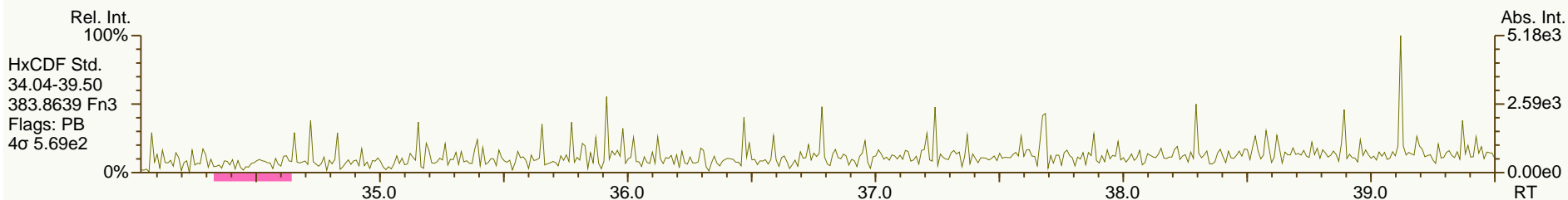
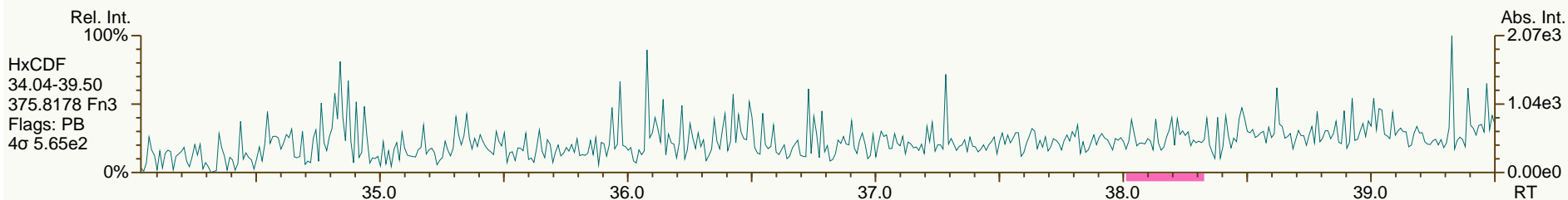
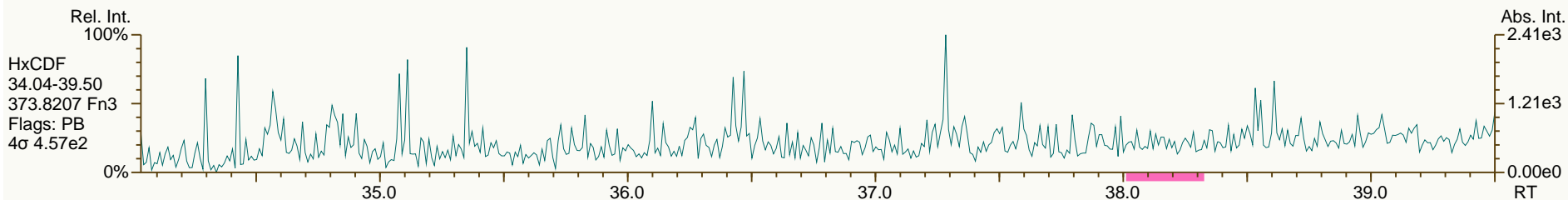
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Instr: AutoSpec-Ultima MM1

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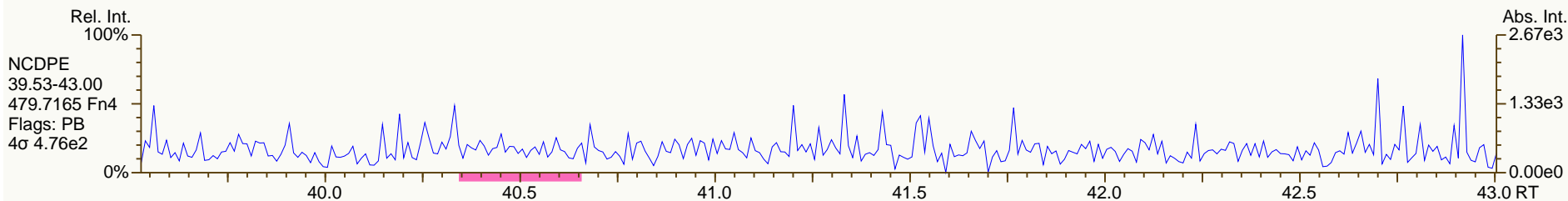
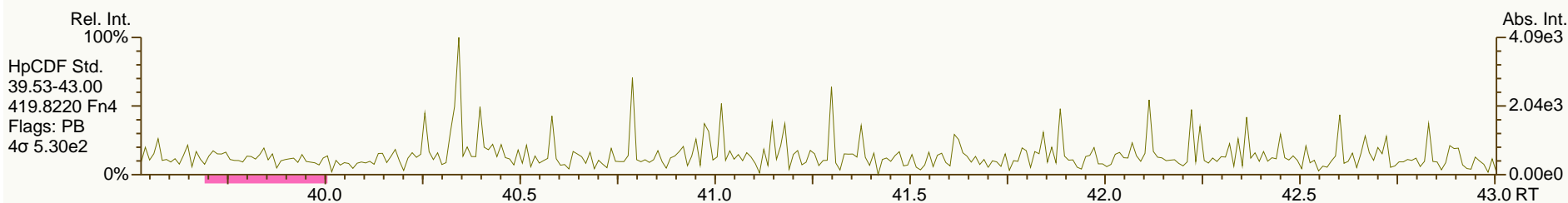
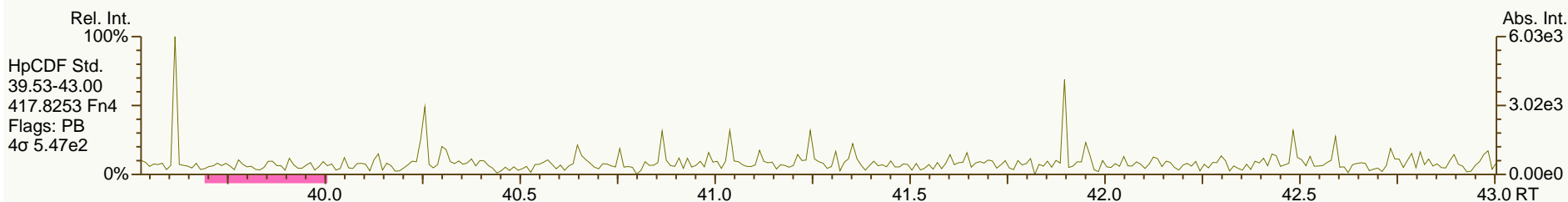
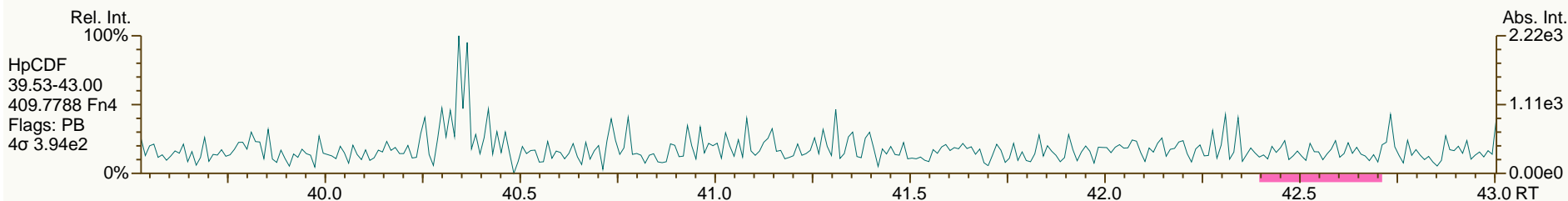
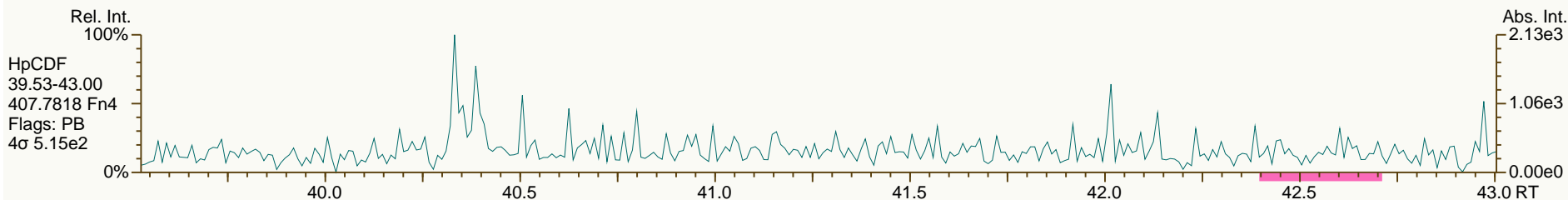
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

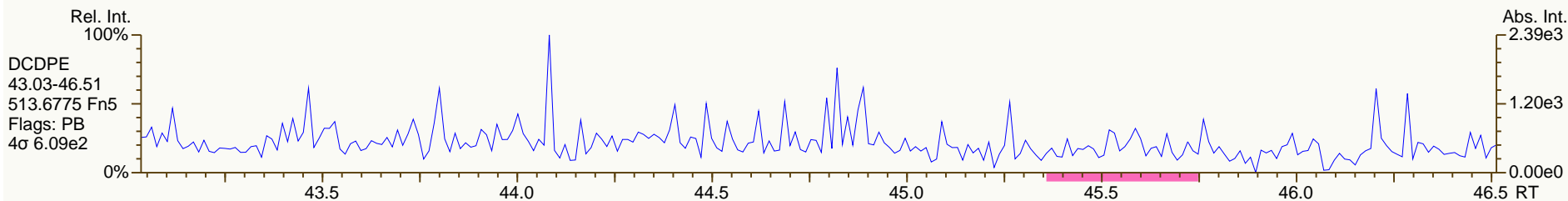
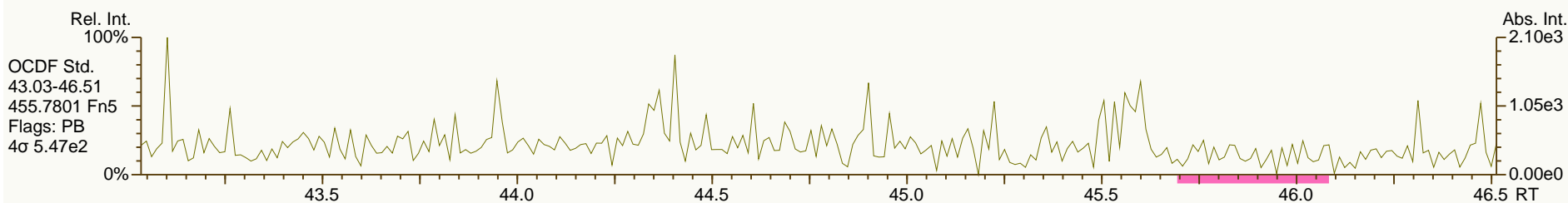
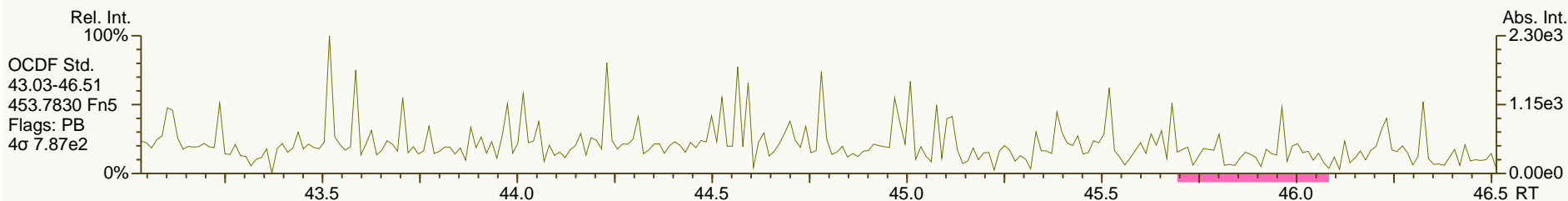
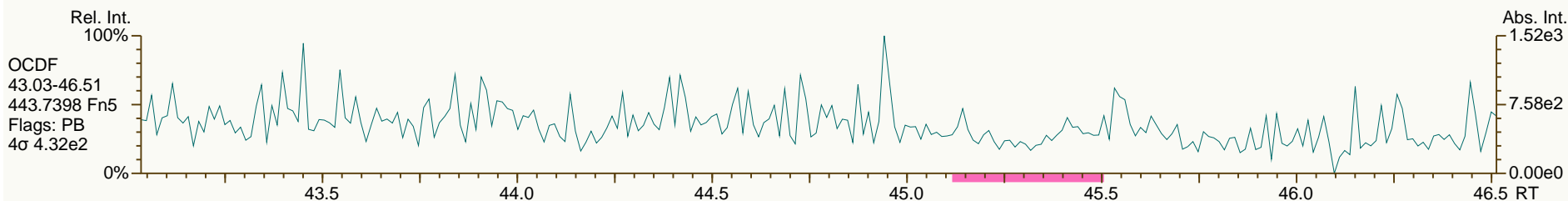
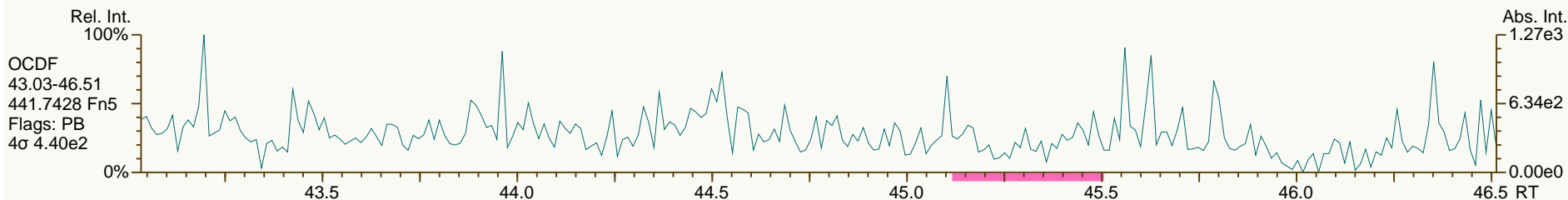
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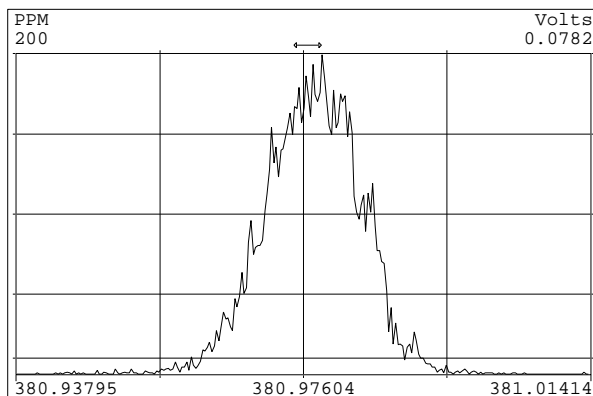
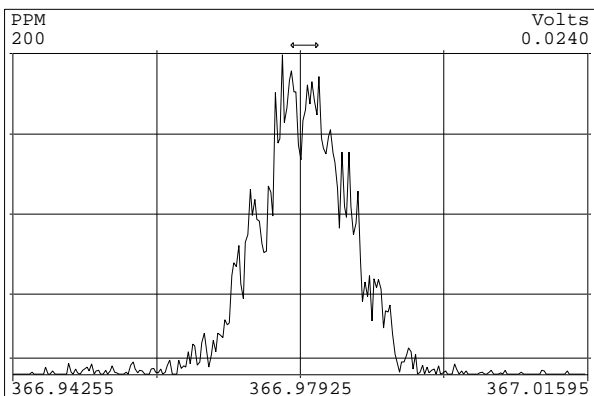
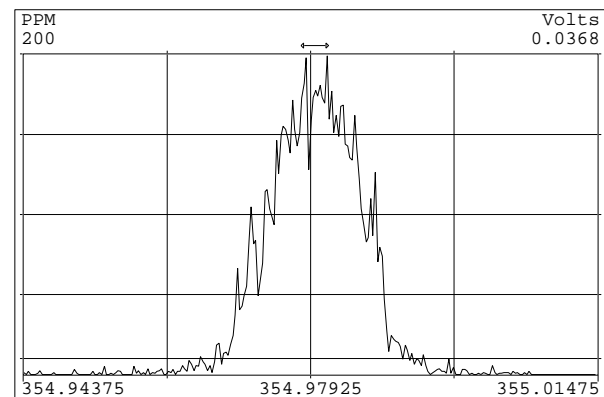
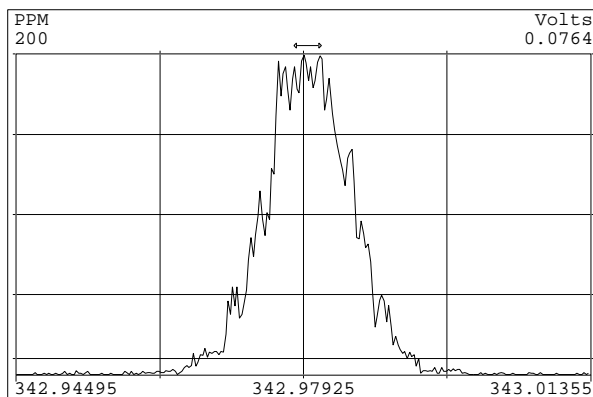
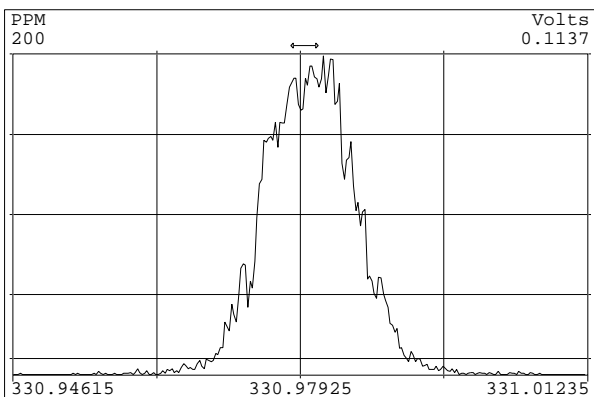
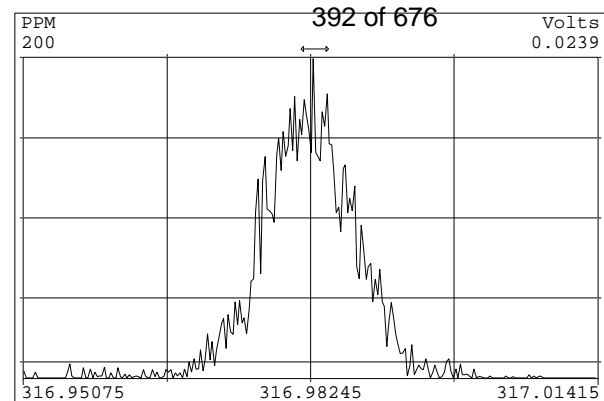
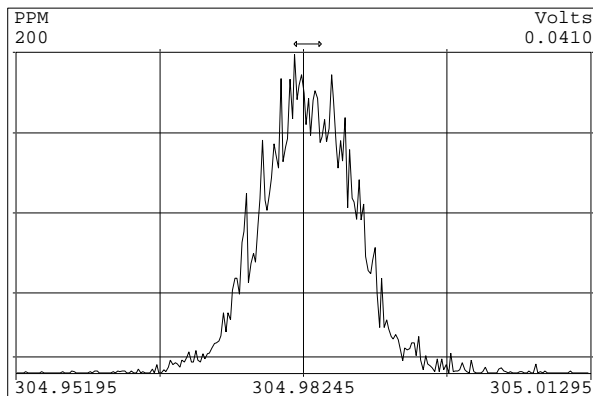
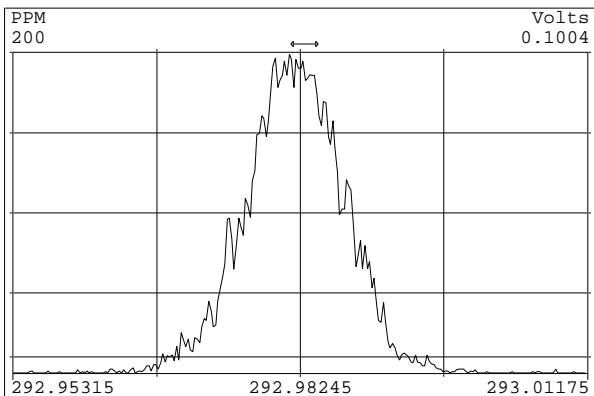


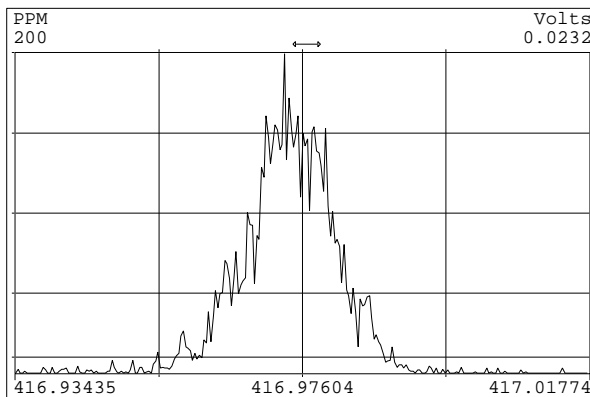
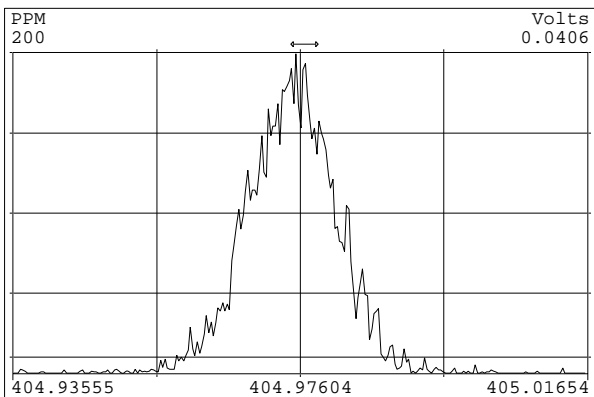
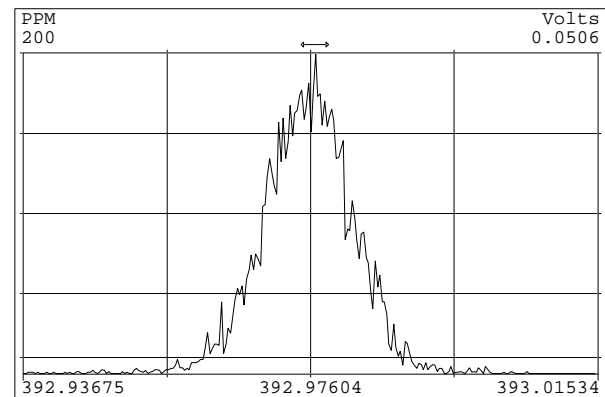
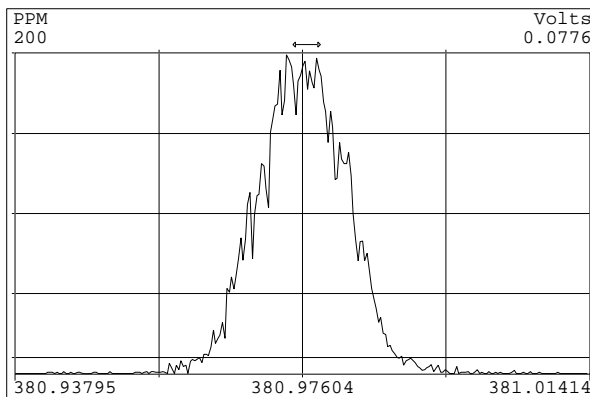
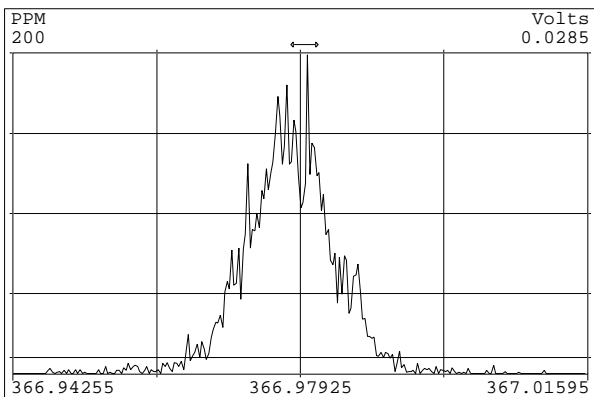
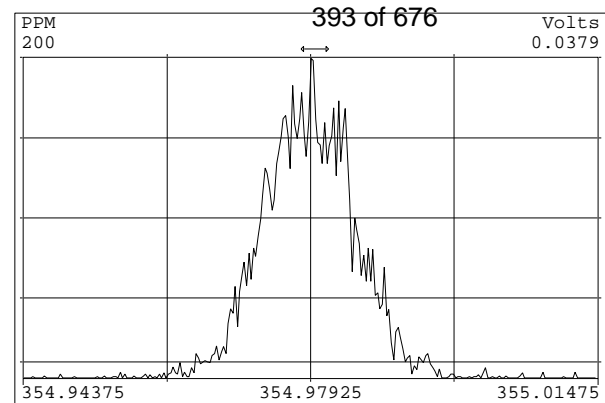
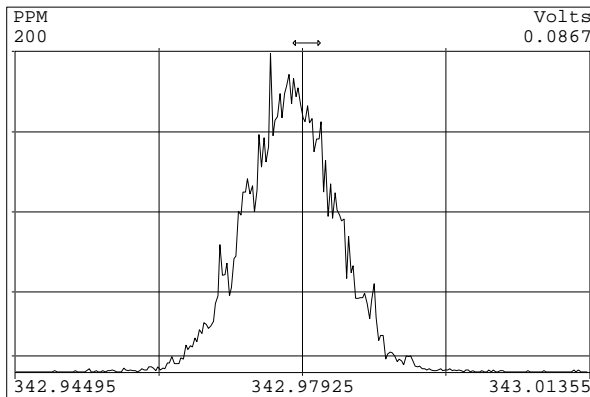
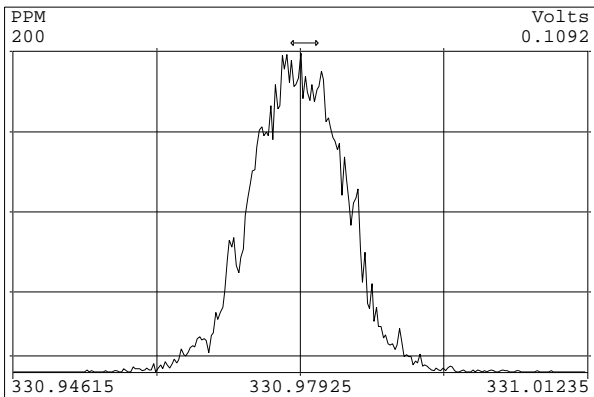
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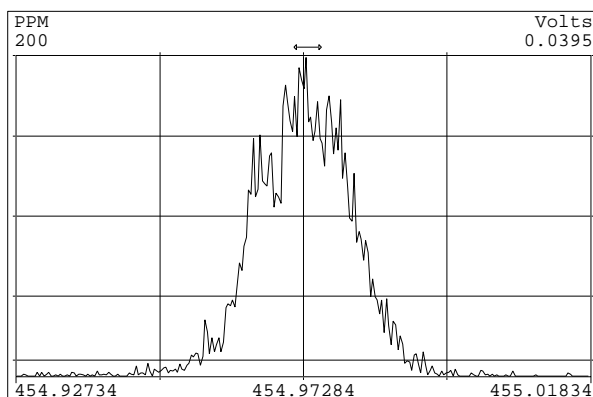
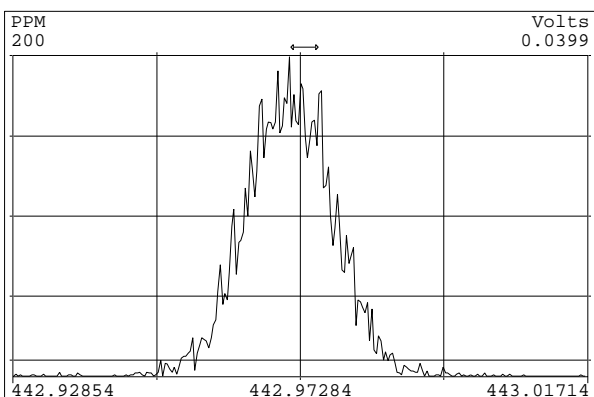
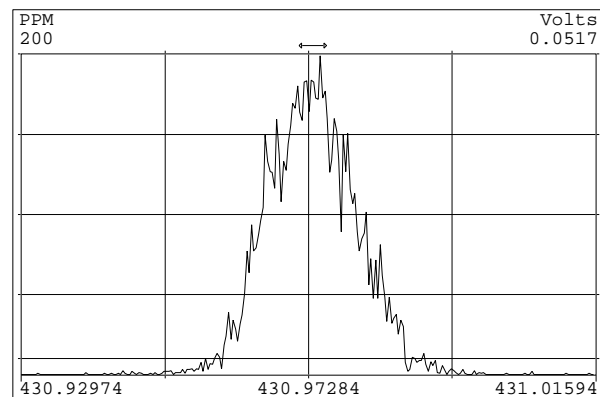
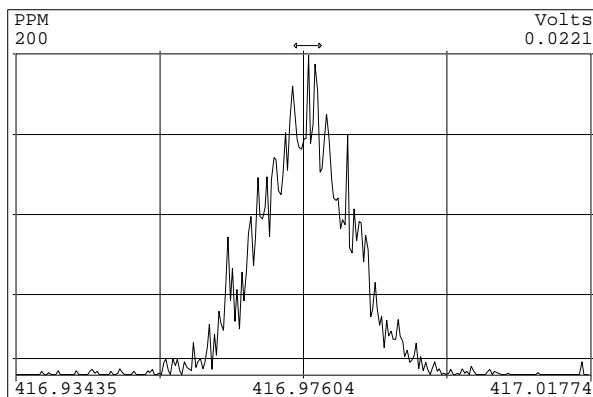
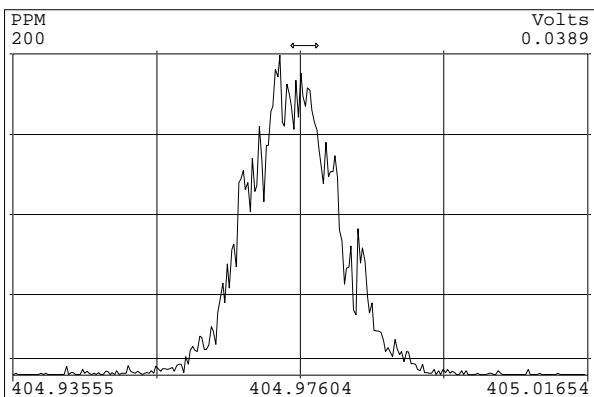
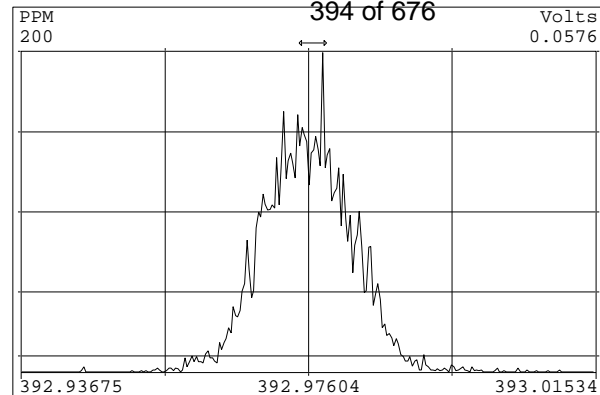
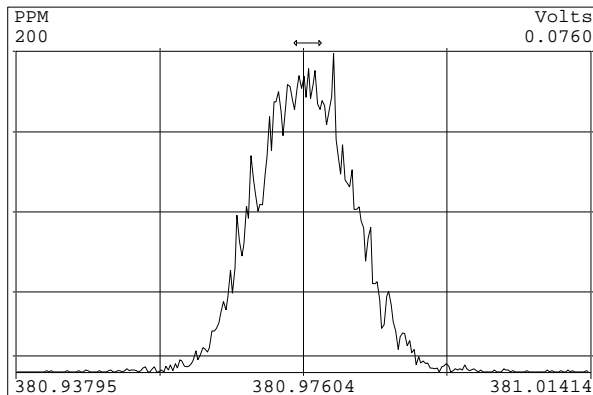
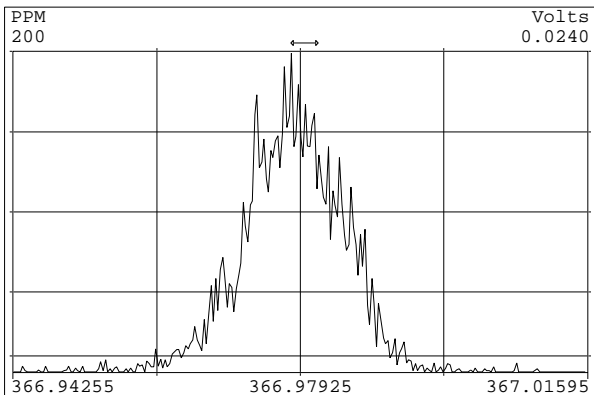
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

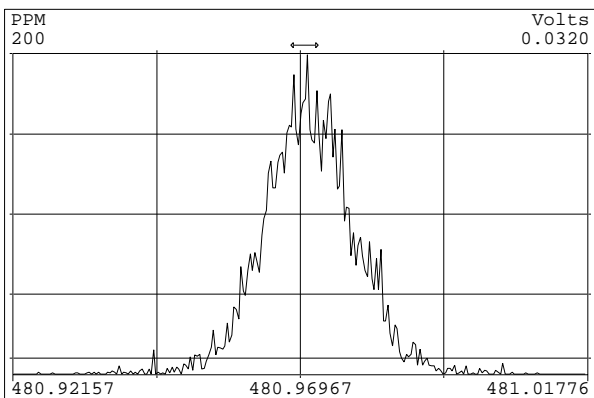
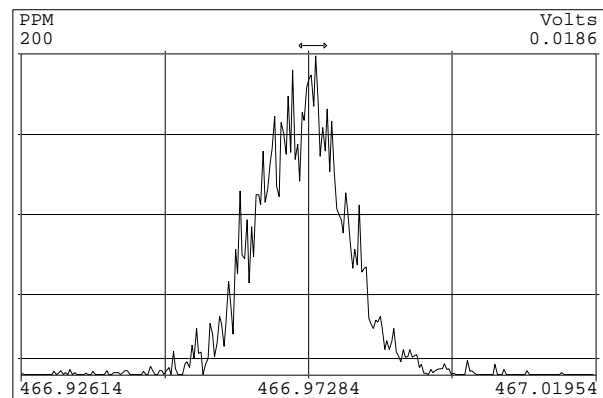
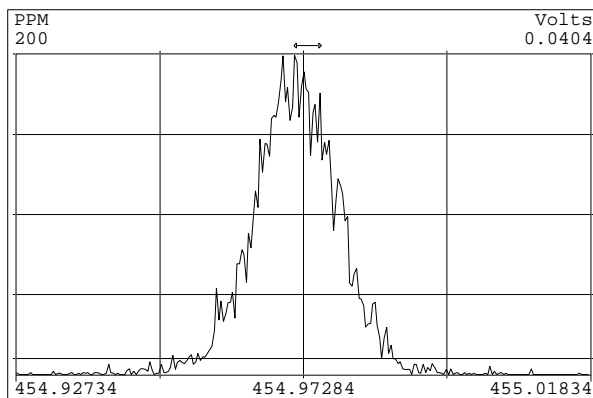
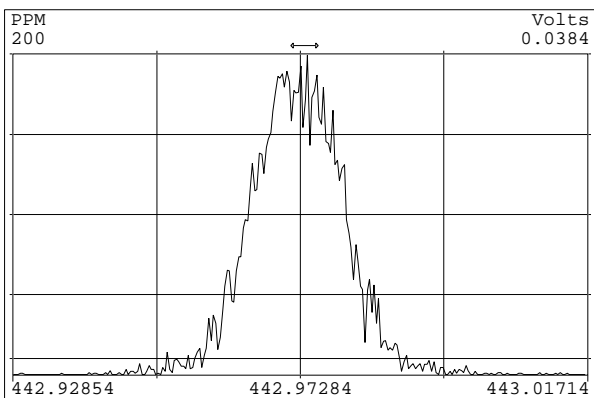
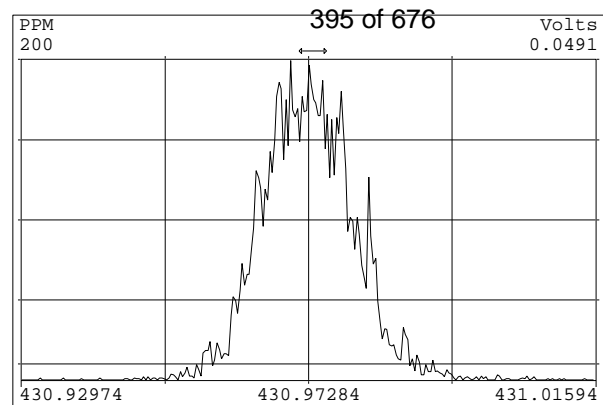
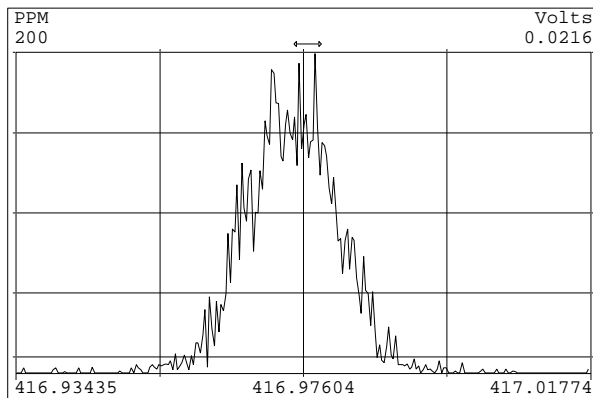
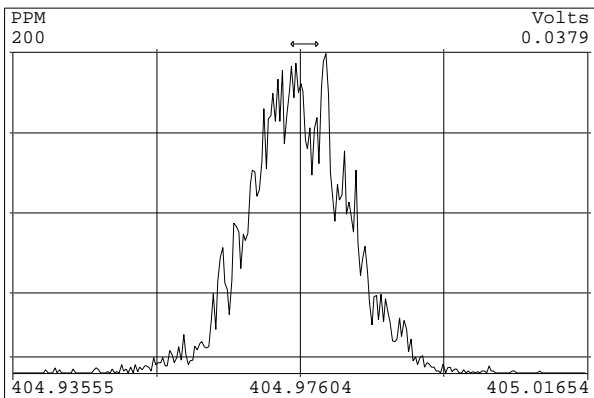
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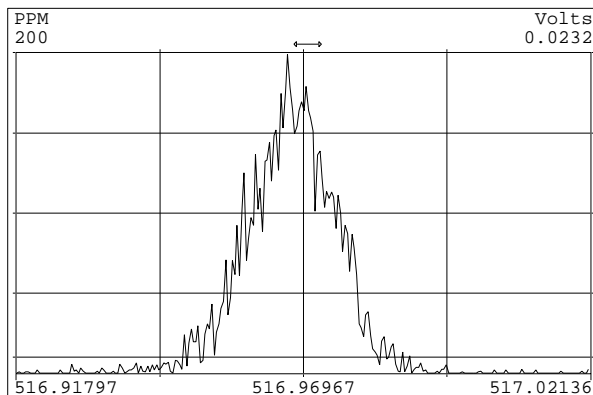
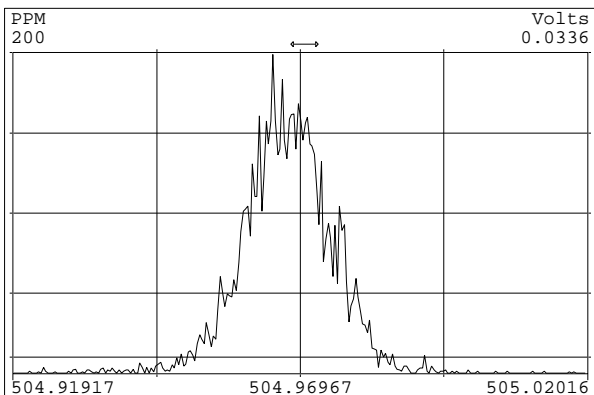
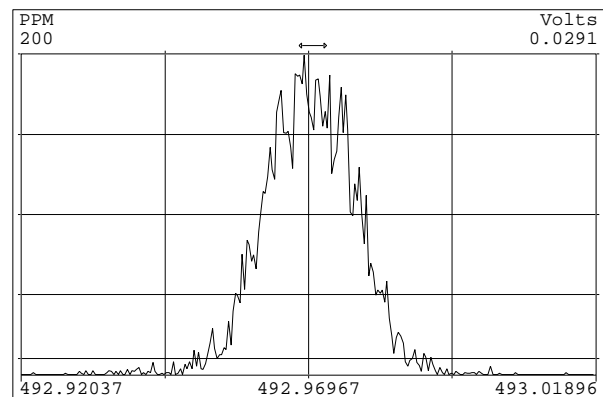
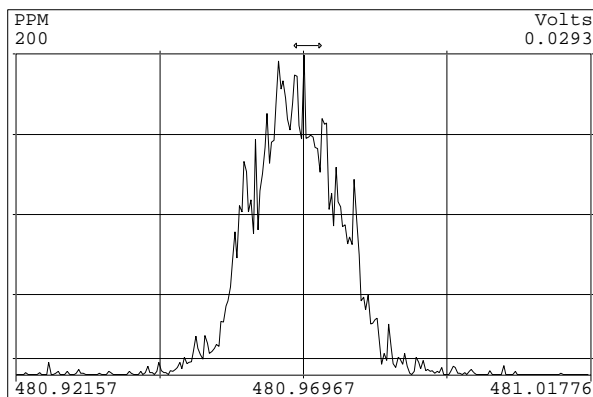
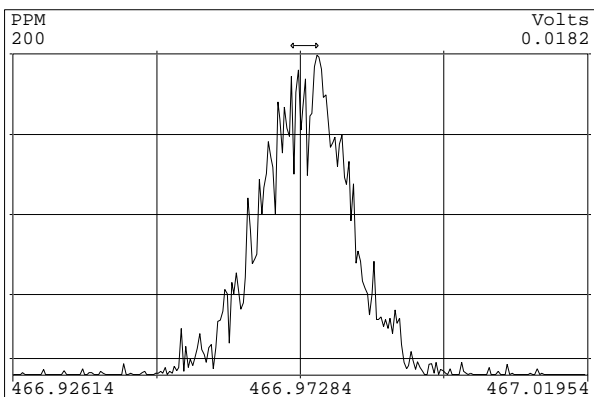
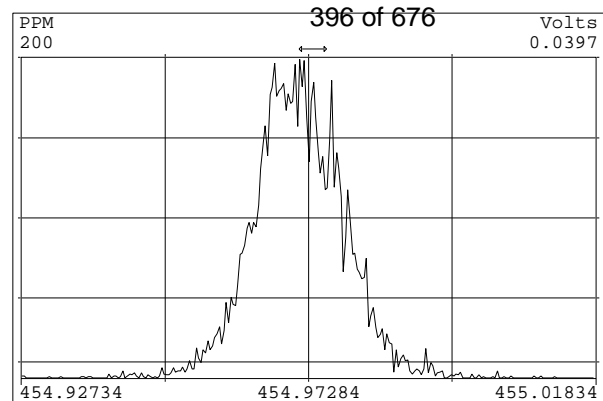
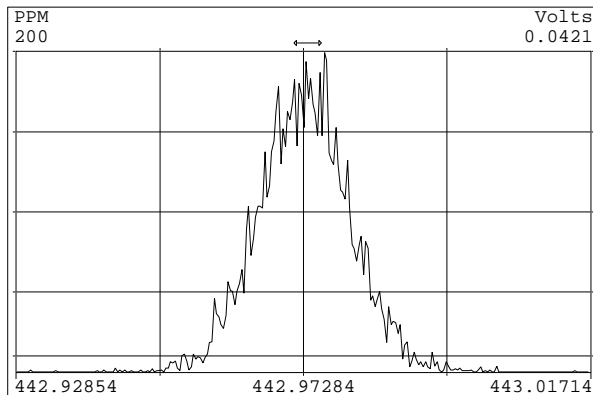
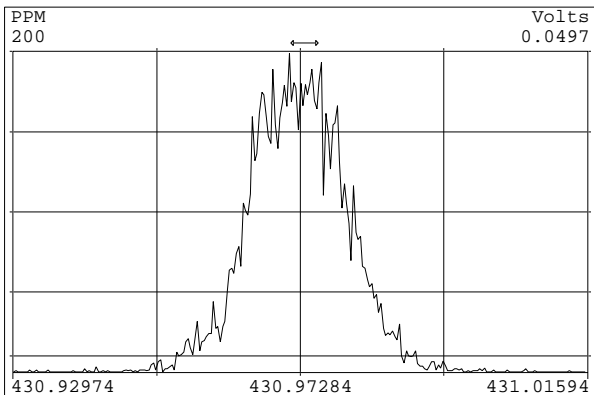


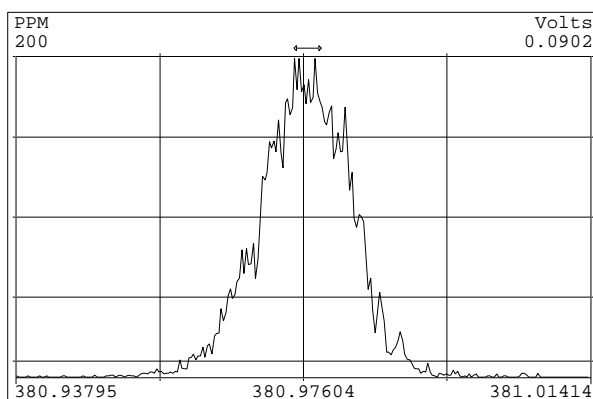
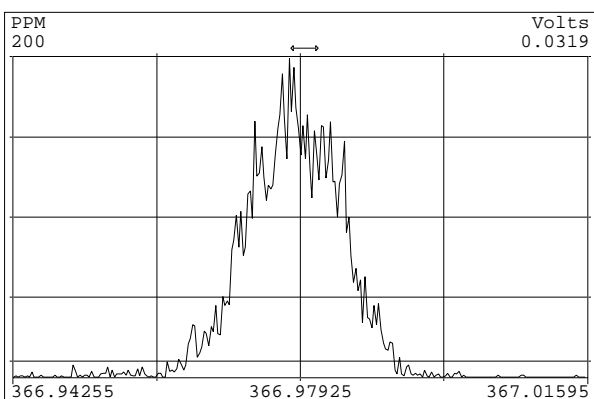
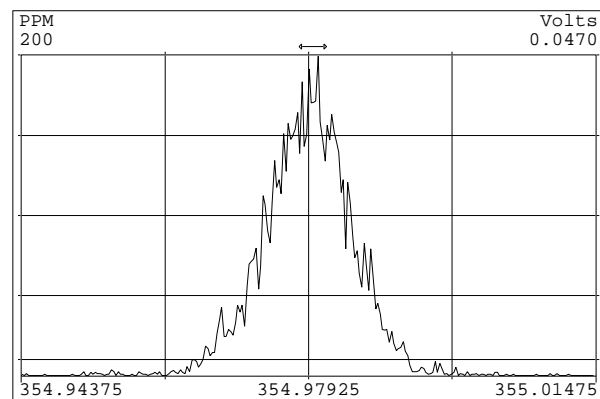
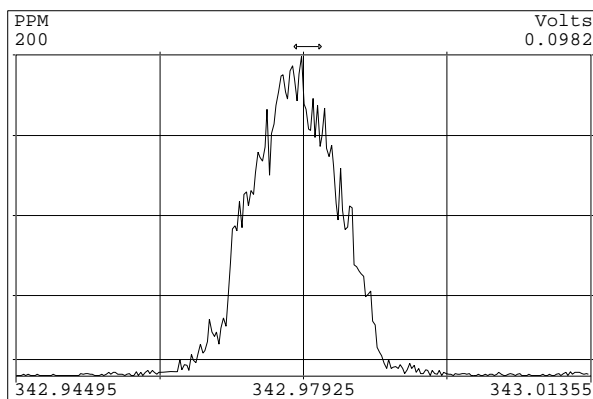
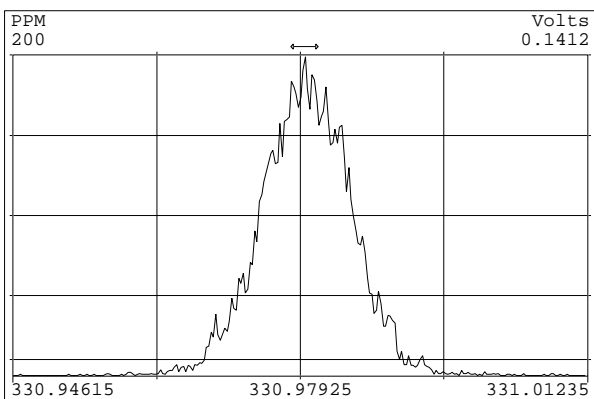
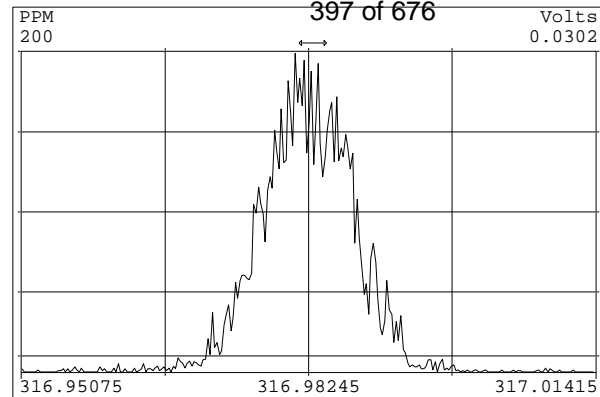
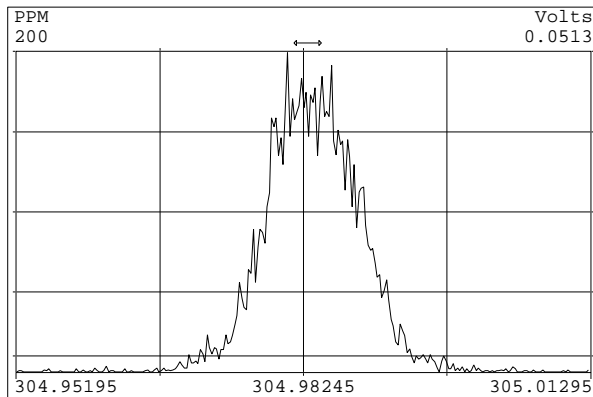
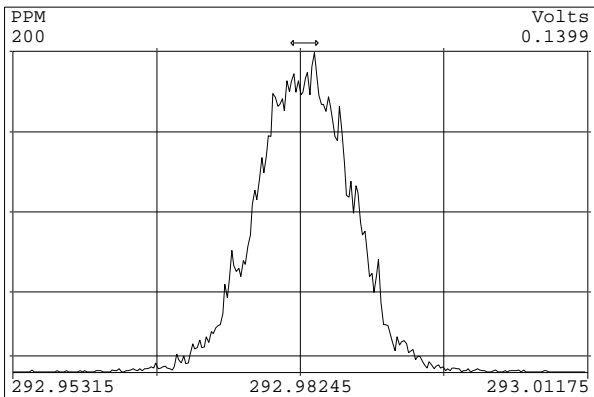


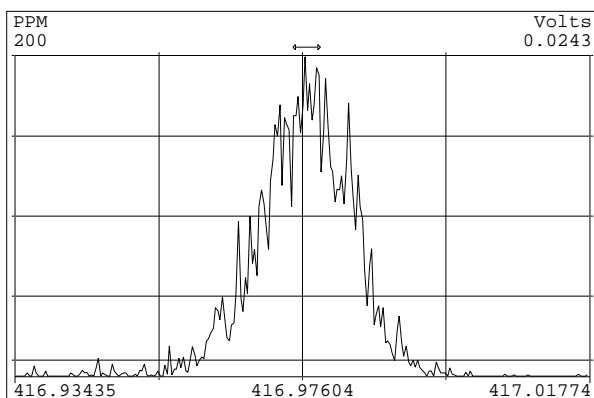
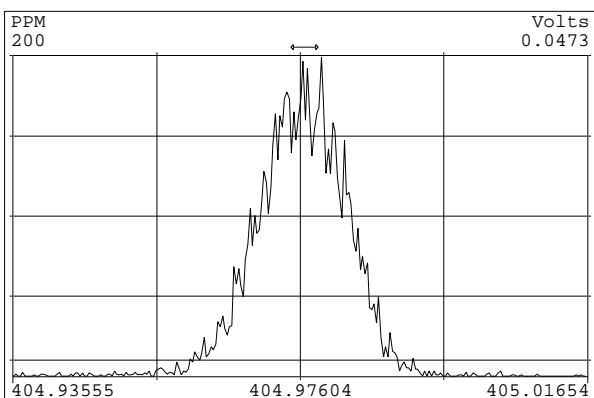
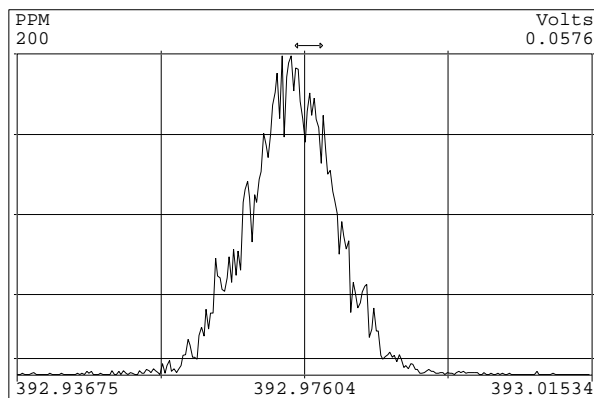
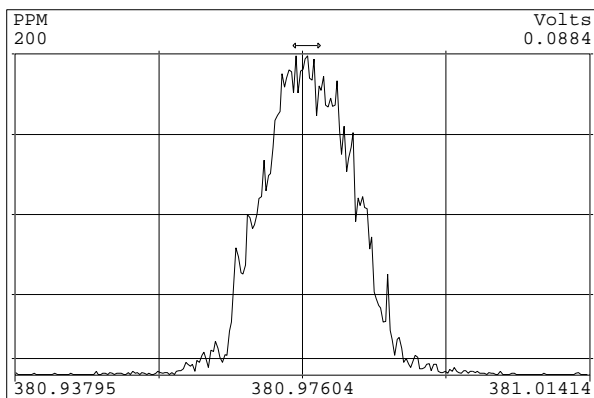
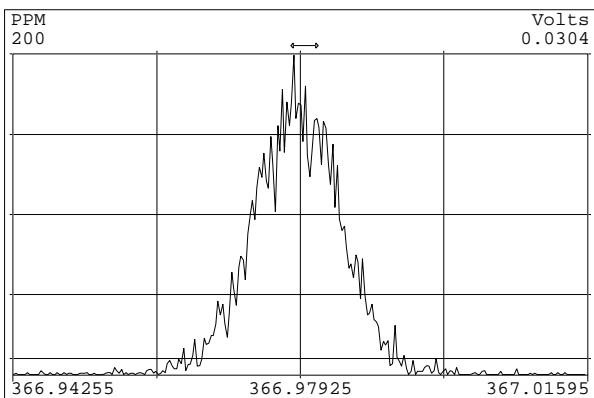
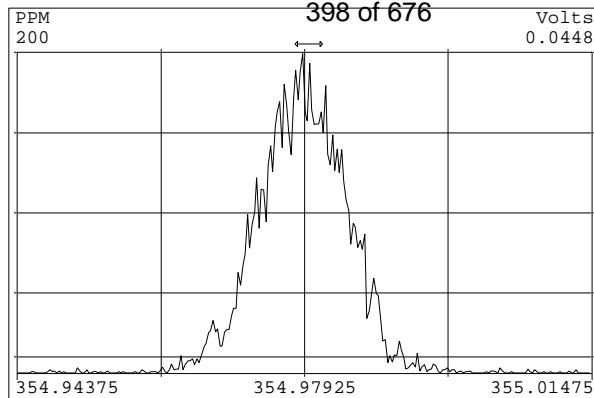
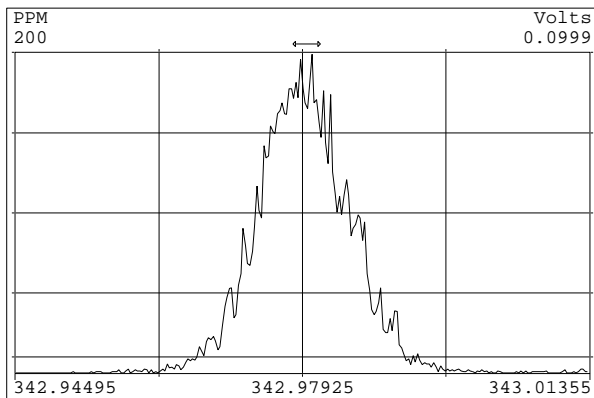
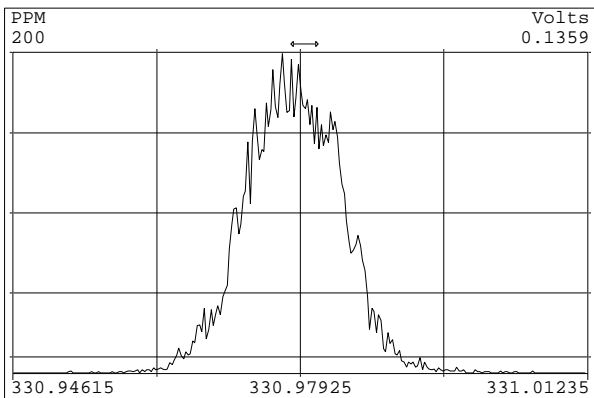


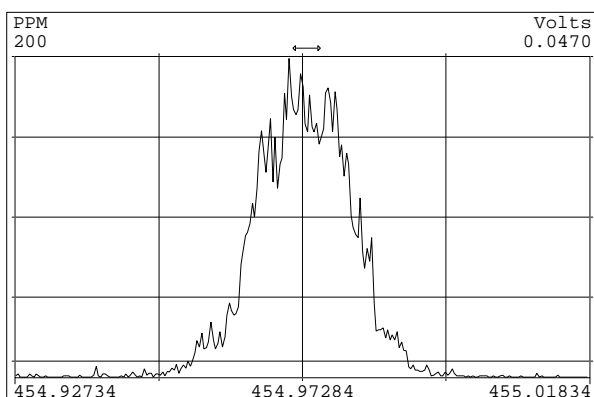
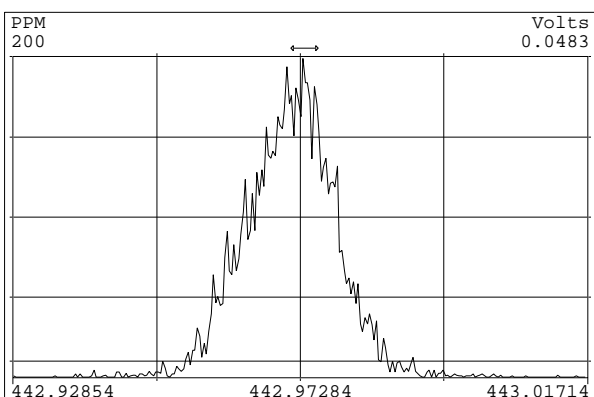
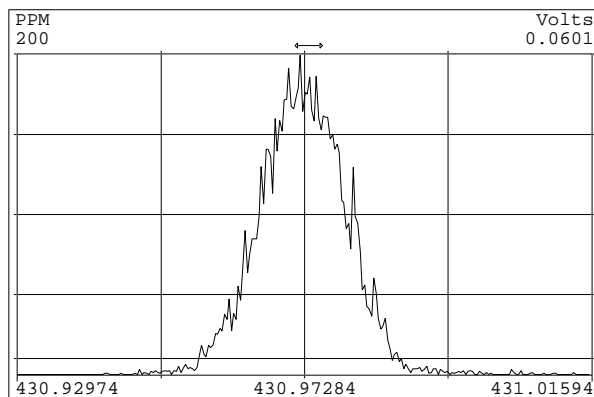
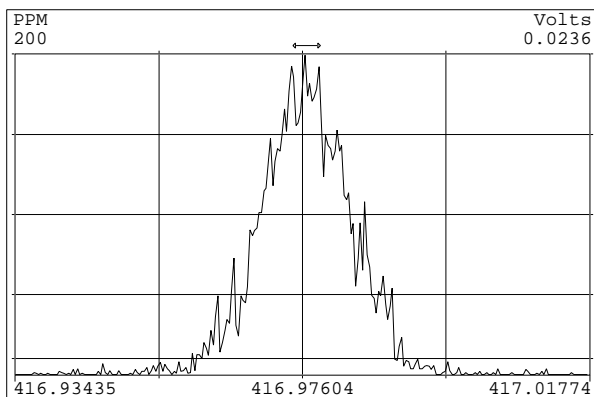
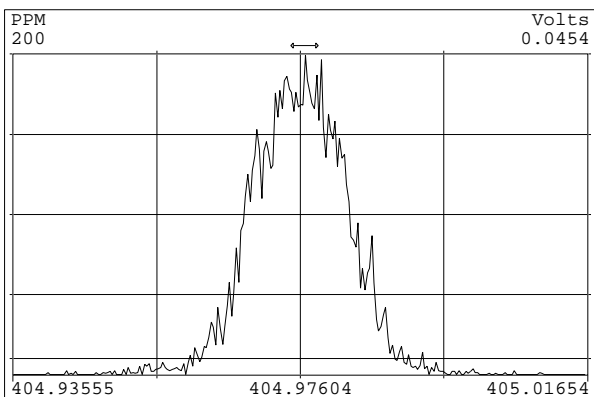
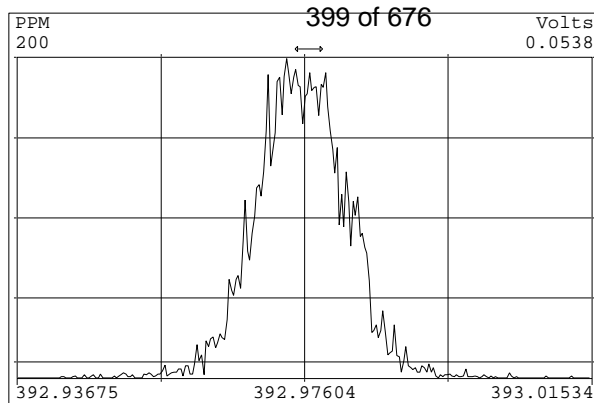
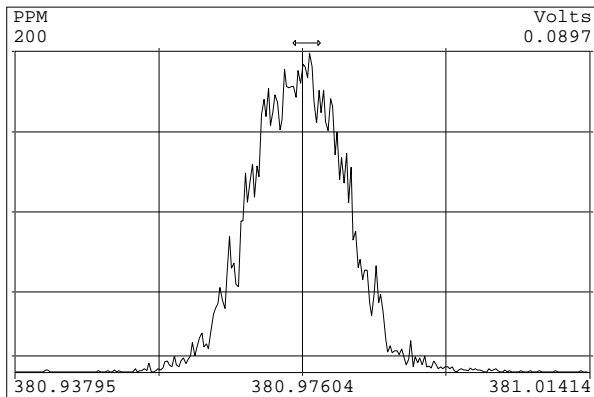
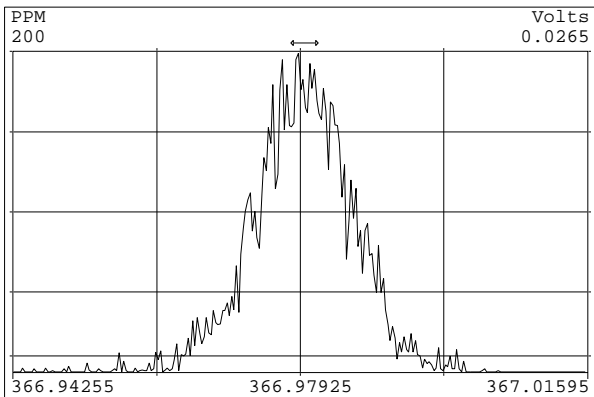


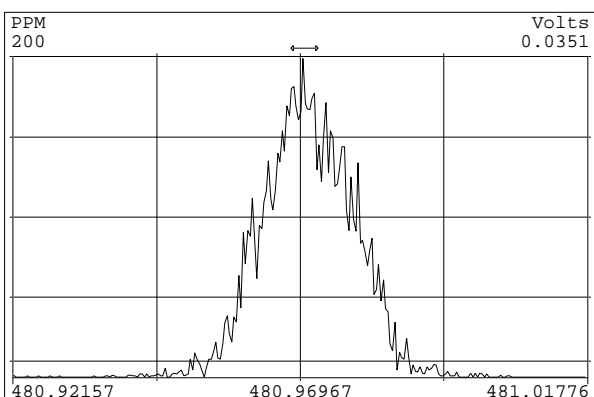
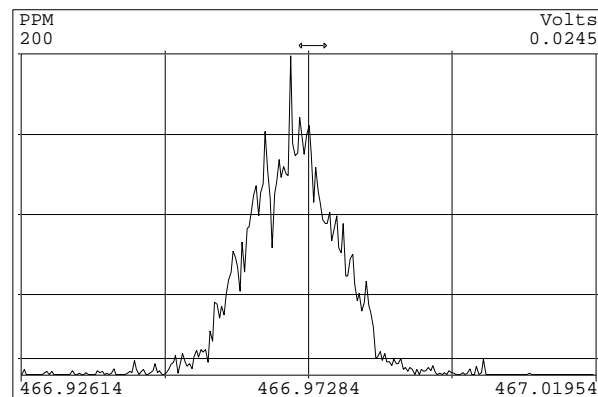
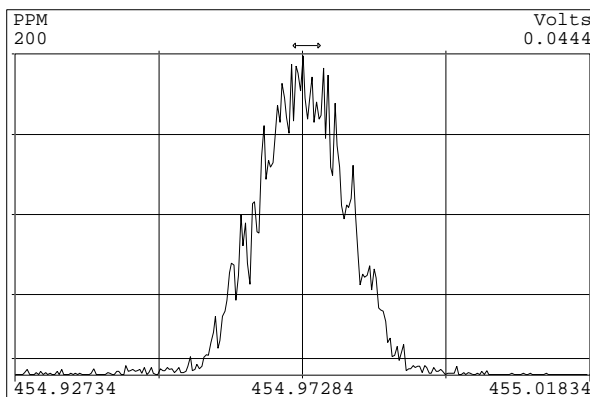
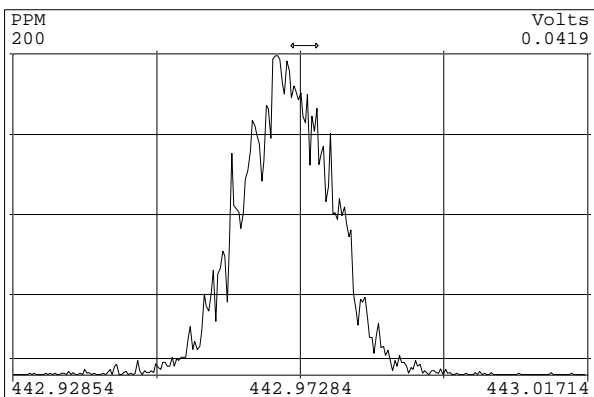
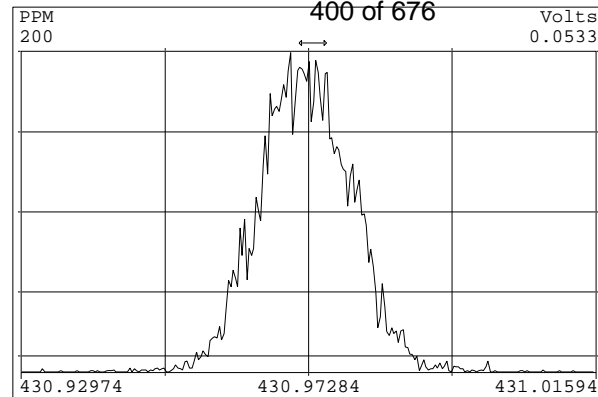
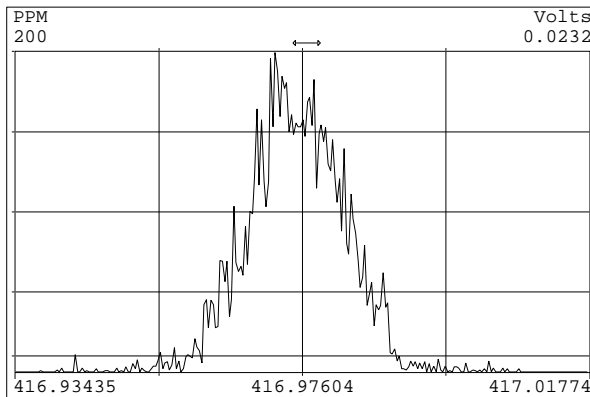
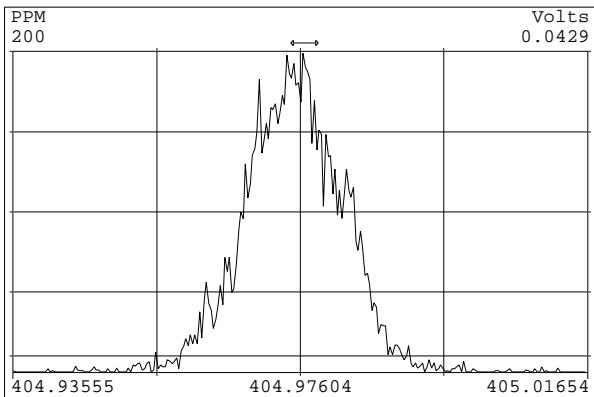


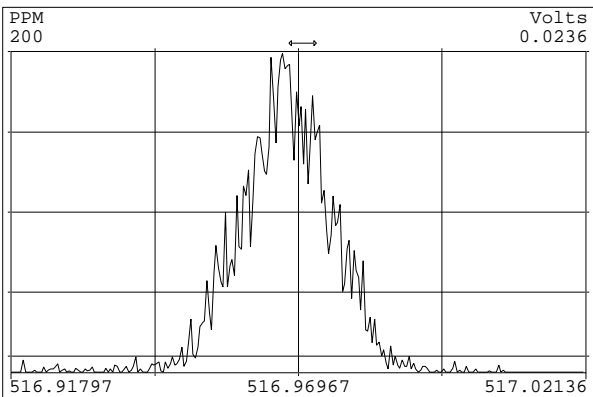
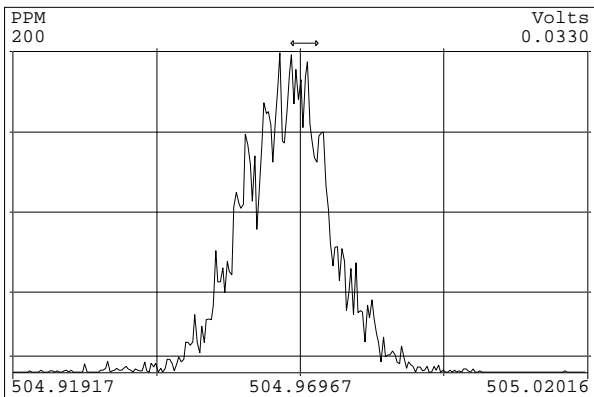
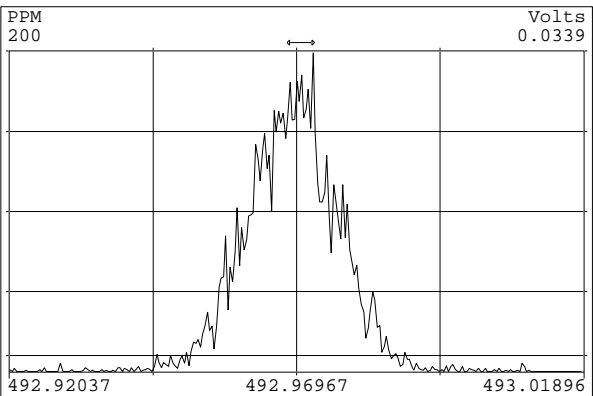
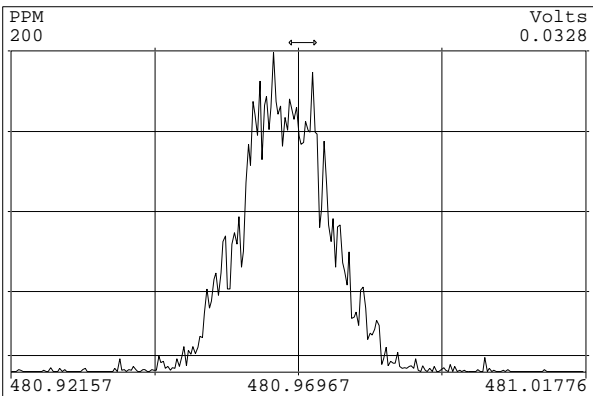
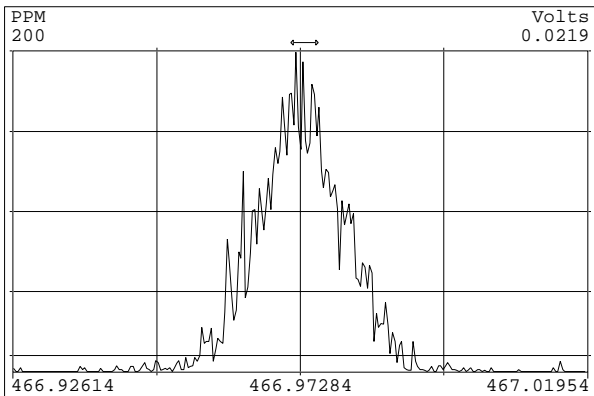
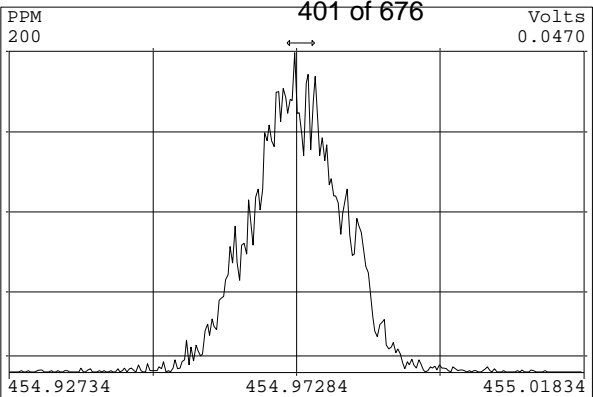
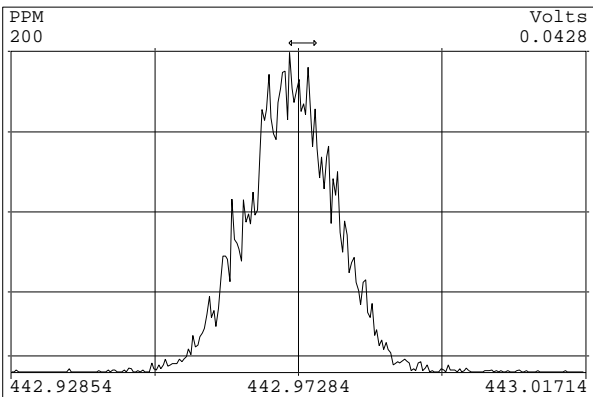
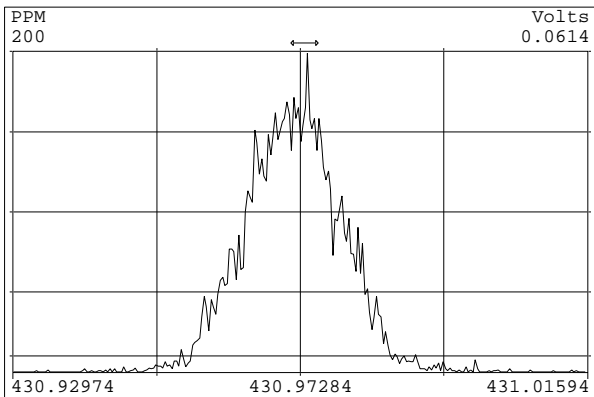












PCB ICAL Summary			SGS Analytical Perspectives						Printed: 28 Jul 2012 10:09	
ICAL: MM7_PCB_07132012_25JUL12										
Acquired: 26 Jul 2012										
Date Processed: 27 Jul 2012 17:07										
Name	Mean	% RSD	120725X15 0.5 CS0	120725X15 1 CS1	120725X16 5 CS2	120725X17 50 CS3	120725X18 400 CS4	120725X19 2000 CS5		
PCB-77 33'44'-TeCB	1.13	4.9%	1.12 ✓	1.06	1.09	1.16	1.20	1.18		
PCB-81 344'5'-TeCB	1.13	5.9%	1.09	1.03	1.09	1.17	1.20	1.18		
PCB-105 233'44'-PeCB	1.09	5.3%	1.07	1.01 ✓	1.06	1.14	1.16	1.13		
PCB-114 2344'5'-PeCB	1.16	5.1%	1.10	1.10 ✓	1.13	1.22	1.22	1.20		
PCB-118 23'44'5'-PeCB	1.11	4.7%	1.13	1.05	1.03	1.13	1.17	1.12		
PCB-123 2'344'5'-PeCB	1.19	4.4%	1.18	1.12	1.19 ✓	1.16	1.26	1.23		
PCB-126 33'44'5'-PeCB	1.06	5.0%	1.04	0.98	1.04 ✓	1.08 ✓	1.11	1.12		
PCB-156/157 233'44'5'/233'44'5'	1.11	3.2%	1.09	1.07	1.07	1.13 ✓	1.16	1.12		
PCB-167 23'44'55'-HxCB	1.14	4.5%	1.08	1.07	1.11	1.18	1.19 ✓	1.17		
PCB-169 33'44'55'-HxCB	1.11	4.1%	1.07	1.05	1.10	1.15	1.16 ✓	1.14		
PCB-189 233'44'55'-HpCB	1.06	4.3%	1.03	1.00	1.02	1.08	1.11	1.10 ✓		
PCB-209 DeCB	1.07	2.5%	1.10	1.06	1.03	1.09	1.10	1.07 ✓		
ES PCB-1	1.08	1.0%	1.09	1.09	1.07	1.08	1.06	1.09		
ES PCB-3	1.08	1.1%	1.08	1.09	1.07	1.08	1.07	1.10		
ES PCB-4	0.49	0.9%	0.49	0.49	0.49	0.49	0.48	0.49		
ES PCB-15	1.11	1.1%	1.10	1.11	1.10	1.11	1.13	1.12		
ES PCB-19	0.55	1.3%	0.56	0.56	0.56	0.56	0.55	0.54		
ES PCB-37	1.64	1.3%	1.63	1.62	1.62	1.63	1.65	1.67		
ES PCB-54	0.94	2.0%	0.94 ✓	0.95	0.97	0.94	0.91	0.93		
ES PCB-77	1.35	1.1%	1.34 ✓	1.35	1.35	1.33	1.37	1.34		
ES PCB-81	1.29	1.3%	1.27	1.29	1.28	1.27	1.32	1.29		
ES PCB-104	0.99	1.1%	0.98	1.01	1.00	0.99	0.98	1.00		
ES PCB-105	1.23	1.0%	1.23	1.25 ✓	1.24	1.22	1.23	1.23		
ES PCB-114	1.25	1.4%	1.25	1.26 ✓	1.26	1.23	1.26	1.22		
ES PCB-118	1.28	0.6%	1.28	1.29	1.29	1.27	1.28	1.28		
ES PCB-123	1.22	1.3%	1.21	1.24	1.21	1.20	1.24	1.22		
ES PCB-126	1.20	0.7%	1.21	1.19	1.20 ✓	1.19	1.20	1.21		
ES PCB-153	1.14	1.0%	1.14	1.15	1.15	1.14	1.12	1.15		
ES PCB-155	1.50	1.3%	1.49	1.49	1.50	1.53 ✓	1.46	1.50		
ES PCB-156/157	1.45	1.2%	1.48	1.45	1.44	1.45 ✓	1.44	1.48		
ES PCB-167	1.49	1.2%	1.52	1.50	1.48	1.48	1.48 ✓	1.50		
ES PCB-169	1.40	1.2%	1.42	1.40	1.38	1.39	1.41 ✓	1.42		
ES PCB-170	1.00	0.8%	1.01	0.99	0.99	1.01	1.01	1.00		
ES PCB-180	1.16	1.6%	1.15	1.14	1.14	1.18	1.16	1.18		
ES PCB-188	1.18	0.9%	1.19	1.17	1.17	1.19	1.17	1.18		
ES PCB-189	1.49	1.6%	1.48	1.46	1.46	1.50	1.50	1.52		
ES PCB-202	1.14	0.7%	1.15	1.14	1.13	1.13	1.13	1.14		
ES PCB-205	1.20	0.9%	1.20	1.19	1.19	1.20	1.21	1.22		
ES PCB-206	0.87	1.1%	0.88	0.85	0.86	0.87	0.88	0.87		

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	120725X15	120725X15	120725X16	120725X17	120725X18	120725X19
			0.5 CS0	1 CS1	5 CS2	50 CS3	400 CS4	2000 CS5
ES PCB-208	1.19	0.9%	1.19	1.17	1.18	1.20	1.20	1.19
ES PCB-209	1.00	0.8%	1.01	0.99	1.00	1.01	1.01	1.00
SS PCB-28	1.07	0.9%	1.07	1.09	1.08	1.08	1.07	1.06
SS PCB-111	1.01	0.9%	1.01	0.99	1.01	1.00	1.00	1.01
SS PCB-178	0.63	1.3%	0.62	0.63	0.64	0.62	0.63	0.63
CS PCB-28	1.76	0.6%	1.74	1.76	1.75	1.76	1.77	1.77
CS PCB-111	1.23	0.8%	1.22	1.23	1.23	1.21	1.23	1.23
CS PCB-178	0.74	0.8%	0.73	0.74	0.75	0.74	0.73	0.74
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-153 22'44'55' -HxCB	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-170 22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-180 22'344'55'-HpCB	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-202 22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-205 233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208 22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-206 22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 28 Jul 2012 10:09

ICAL: MM7_PCB_07132012_25JUL12

Acquired: 26 Jul 2012

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.03	7.6%	0.93	0.95	1.01	1.08	1.12	1.10
PCB-2 3-MoCB	1.04	8.7%	0.94	0.93	1.02	1.09	1.14	1.13
PCB-3 4-MoCB	1.04	7.6%	0.95	0.96	1.01	1.09	1.12	1.13
PCB-4 22'-DiCB	1.17	5.4%	1.12	1.09	1.13	1.22	1.24	1.21
PCB-10 26'-DiCB	1.83	5.6%	1.82	1.66	1.79	1.91	1.93	1.89
PCB-9 25'-DiCB	0.89	6.8%	0.81	0.84	0.88	0.95	0.95	0.95
PCB-7 24'-DiCB	1.02	6.7%	0.92	0.97	1.01	1.08	1.08	1.08
PCB-6 23'-DiCB	0.95	7.7%	0.86	0.87	0.93	1.01	1.01	1.01
PCB-5 23'-DiCB	0.97	5.9%	0.93	0.89	0.94	1.03	1.02	1.02
PCB-8 24'-DiCB	0.98	7.5%	0.88	0.91	0.98	1.04	1.05	1.04
PCB-14 35'-DiCB	1.16	6.1%	1.07	1.09	1.13	1.21	1.23	1.22
PCB-11 33'-DiCB	1.00	7.8%	0.88	0.95	0.98	1.05	1.07	1.07
PCB-13/12 34'-/34'-DiCB	1.02	6.5%	0.96	0.93	0.99	1.07	1.09	1.07
PCB-15 44'-DiCB	1.08	4.1%	1.03	1.05	1.04	1.10	1.14	1.12
PCB-19 22'6'-TrCB	1.09	5.8%	1.06	1.01	1.04	1.14	1.17	1.14
PCB-30/18 246-/22'5'-TrCB	1.46	6.7%	1.35	1.35	1.43	1.53	1.58	1.52
PCB-17 22'4'-TrCB	1.25	7.6%	1.14	1.16	1.20	1.32	1.36	1.33
PCB-27 23'6'-TrCB	1.69	6.2%	1.64	1.57	1.60	1.75	1.84	1.75
PCB-24 236'-TrCB	1.63	5.7%	1.55	1.51	1.61	1.68	1.72	1.74
PCB-16 22'3'-TrCB	0.95	9.5%	0.90	0.85	0.89	1.03	1.08	0.98
PCB-32 24'6'-TrCB	1.79	5.7%	1.70	1.67	1.72	1.86	1.91	1.87
PCB-34 2'35'-TrCB	1.05	5.4%	1.01	0.96	1.03	1.10	1.10	1.08
PCB-23 235'-TrCB	1.06	5.5%	1.00	0.99	1.03	1.11	1.11	1.10
PCB-26/29 23'5'-/245'-TrCB	1.09	4.8%	1.03	1.02	1.07	1.14	1.14	1.11
PCB-25 23'4'-TrCB	1.07	5.5%	1.03	1.00	1.04	1.14	1.14	1.10
PCB-31 24'5'-TrCB	1.11	5.6%	1.05	1.04	1.08	1.17	1.17	1.16
PCB-28/20 244'-/233'-TrCB	1.07	4.5%	1.03	1.01	1.04	1.12	1.12	1.09
PCB-21/33 234'-/2'34'-TrCB	1.09	5.2%	1.06	1.02	1.06	1.15	1.16	1.11
PCB-22 234'-TrCB	1.02	4.8%	0.97	0.96	0.98	1.07	1.07	1.05
PCB-36 33'5'-TrCB	1.13	4.3%	1.09	1.08	1.08	1.17	1.18	1.16
PCB-39 34'5'-TrCB	1.17	5.5%	1.10	1.09	1.14	1.22	1.24	1.21
PCB-38 345'-TrCB	1.03	5.9%	1.00	0.96	1.02	1.09	1.12	1.02
PCB-35 33'4'-TrCB	1.04	4.3%	1.03	0.98	1.00	1.07	1.09	1.07
PCB-37 344'-TrCB	1.10	3.7%	1.10	1.05	1.06	1.14	1.15	1.12
PCB-54 22'66'-TeCB	1.21	6.2%	1.13	1.13	1.17	1.27	1.30	1.25
PCB-50/53 22'46'-/22'56'-TeCB	0.86	5.4%	0.80	0.82	0.83	0.91	0.89	0.89
PCB-45 22'36'-TeCB	0.73	11.3%	0.64	0.64	0.70	0.79	0.77	0.84
PCB-51 22'46'-TeCB	0.88	4.5%	0.87	0.84	0.87	0.92	0.93	0.84
PCB-46 22'36'-TeCB	0.70	6.2%	0.64	0.66	0.67	0.74	0.73	0.73
PCB-52 22'55'-TeCB	0.84	4.7%	0.81	0.79	0.83	0.89	0.87	0.87

PCB-73 23'5'6TeCB	1.09	6.3%	1.06	1.04	1.00	1.14	1.11	1.19
PCB-43 22'35'-TeCB	0.72	7.1%	0.68	0.65	0.73	0.78	0.78	0.72
PCB-69/49 23'46-/22'45'TeCB	1.01	6.0%	0.95	0.94	0.99	1.08	1.06	1.06
PCB-48 22'45'-TeCB	0.85	5.7%	0.82	0.79	0.82	0.90	0.89	0.89
PCB-44/47/65 22'35'-/22'44'-	0.89	5.9%	0.85	0.82	0.87	0.95	0.94	0.92
PCB-59/62/75 233'6-/2346-/24	1.14	6.2%	1.08	1.05	1.13	1.22	1.22	1.14
PCB-42 22'34'-TeCB	0.77	6.6%	0.70	0.72	0.76	0.82	0.81	0.82
PCB-41 22'34'-TeCB	0.73	5.7%	0.75	0.70	0.66	0.75	0.73	0.78
PCB-71/40 23'4'6/22'33'-TeCB	0.87	6.0%	0.83	0.79	0.85	0.92	0.92	0.88
PCB-64 234'6'-TeCB	1.24	4.3%	1.20	1.17	1.20	1.29	1.28	1.27
PCB-72 23'55'-TeCB	1.14	6.7%	1.07	1.06	1.09	1.21	1.21	1.22
PCB-68 23'45'-TeCB	1.21	7.0%	1.14	1.10	1.16	1.27	1.29	1.30
PCB-57 233'5'-TeCB	1.11	6.3%	1.07	1.01	1.05	1.18	1.16	1.16
PCB-58 233'5'-TeCB	1.10	7.4%	1.01	1.01	1.07	1.17	1.17	1.18
PCB-67 23'45'-TeCB	1.16	5.4%	1.09	1.10	1.12	1.21	1.23	1.20
PCB-63 234'5'-TeCB	1.22	6.7%	1.13	1.13	1.17	1.29	1.29	1.29
PCB-61/70/74/76 2345-/23'4'5	1.13	6.7%	1.05	1.04	1.11	1.20	1.21	1.18
PCB-66 23'44'-TeCB	1.08	5.8%	1.03	0.99	1.04	1.13	1.13	1.13
PCB-55 233'4'-TeCB	1.10	6.1%	1.02	1.03	1.06	1.15	1.16	1.16
PCB-56 233'4'-TeCB	1.06	6.5%	1.01	0.97	1.00	1.12	1.12	1.12
PCB-60 2344'-TeCB	1.11	6.5%	1.06	1.02	1.06	1.16	1.18	1.18
PCB-80 33'55'-TeCB	1.25	6.6%	1.16	1.16	1.22	1.32	1.33	1.33
PCB-79 33'45'-TeCB	1.23	7.2%	1.15	1.16	1.16	1.31	1.36	1.26
PCB-78 33'45'-TeCB	1.08	5.3%	1.06	1.01	1.02	1.12	1.14	1.13
PCB-104 22'466'-PeCB	1.25	4.7%	1.25	1.15	1.23	1.32	1.31	1.27
PCB-96 22'366'-PeCB	1.08	4.8%	1.04	1.04	1.04	1.14	1.14	1.06
PCB-103 22'45'6'-PeCB	0.90	5.0%	0.87	0.85	0.86	0.95	0.93	0.95
PCB-94 22'356'-PeCB	0.78	6.6%	0.73	0.72	0.74	0.83	0.81	0.83
PCB-95 22'35'6'-PeCB	0.83	7.3%	0.77	0.74	0.82	0.88	0.86	0.88
PCB-100/93 22'44'6-/22'356-P	0.84	5.7%	0.80	0.78	0.84	0.92	0.86	0.87
PCB-102 22'456'-PeCB	0.90	8.4%	0.98	0.79	0.85	0.93	0.98	0.88
PCB-98 22'3'46'-PeCB	0.77	12.7%	0.59	0.78	0.76	0.82	0.80	0.88
PCB-88 22'346'-PeCB	0.79	6.5%	0.84	0.71	0.77	0.84	0.83	0.77
PCB-91 22'34'6'-PeCB	0.88	8.8%	0.76	0.84	0.86	0.93	0.92	0.97
PCB-84 22'33'6'-PeCB	0.71	6.1%	0.67	0.65	0.69	0.75	0.74	0.75
PCB-89 22'346'-PeCB	0.76	5.5%	0.72	0.71	0.75	0.81	0.79	0.80
PCB-121 23'45'6'-PeCB	1.14	5.1%	1.10	1.07	1.11	1.20	1.18	1.20
PCB-92 22'355'-PeCB	0.80	5.9%	0.75	0.74	0.78	0.85	0.84	0.84
PCB-113/90/101 233'5'6-/22'3	0.93	4.5%	0.90	0.88	0.92	0.99	0.97	0.95
PCB-83 22'33'5'-PeCB	0.71	4.1%	0.69	0.68	0.71	0.76	0.71	0.74
PCB-99 22'44'5'-PeCB	0.87	8.4%	0.85	0.75	0.85	0.92	0.96	0.90
PCB-112 233'56'-PeCB	1.13	3.6%	1.08	1.11	1.08	1.16	1.13	1.19
PCB-108/119/86/97/125/87 233	0.95	4.6%	0.92	0.88	0.94	1.00	0.99	0.95
PCB-117 234'56'-PeCB	1.04	5.1%	1.10	1.09	0.98	1.04	1.06	0.97
PCB-116/85 23456-/22'344'-Pe	0.97	7.9%	0.90	0.86	0.97	1.03	1.02	1.05
PCB-110 233'4'6'-PeCB	1.02	5.9%	1.01	0.92	1.01	1.07	1.08	1.05
PCB-115 2344'6'-PeCB	1.16	4.0%	1.17	1.11	1.10	1.19	1.17	1.21

PCB-82 22'33'4-PeCB	0.69	5.6%	0.65	0.65	0.67	0.72	0.73	0.73
PCB-111 233'55'-PeCB	1.15	5.4%	1.08	1.08	1.13	1.21	1.21	1.22
PCB-120 23'455'-PeCB	1.16	4.9%	1.11	1.08	1.15	1.20	1.21	1.21
PCB-107/124 233'4'5-/2'3455'	1.07	5.5%	1.02	1.00	1.06	1.13	1.12	1.12
PCB-109 233'46-PeCB	1.14	6.6%	1.11	1.08	1.04	1.23	1.19	1.20
PCB-106 233'45-PeCB	1.07	6.1%	1.04	0.97	1.08	1.14	1.13	1.07
PCB-122 2'33'45-PeCB	1.00	4.8%	0.94	0.98	0.96	1.04	1.04	1.05
PCB-127 33'455'-PeCB	1.10	5.0%	1.04	1.04	1.07	1.14	1.17	1.13
PCB-155 22'44'66'-HxCB	1.09	4.7%	1.03	1.06	1.04	1.13	1.15	1.13
PCB-152 22'3566'-HxCB	1.01	5.2%	0.98	0.94	0.98	1.05	1.08	1.05
PCB-150 22'34'66'-HxCB	1.00	8.2%	0.90	0.92	0.98	1.07	1.09	1.07
PCB-136 22'33'66'-HxCB	0.95	5.5%	0.89	0.90	0.92	0.99	1.01	1.00
PCB-145 22'3466'HxCB	0.96	6.9%	0.86	0.91	0.94	1.00	1.03	1.02
PCB-148 22'34'56'-HxCB	0.97	7.6%	0.91	0.88	0.92	1.02	1.05	1.04
PCB-151/135 22'355'6-/22'33'	0.96	5.1%	0.93	0.91	0.92	1.00	1.02	1.00
PCB-154 22'44'5'6-HxCB	1.09	5.8%	1.03	1.02	1.06	1.14	1.16	1.14
PCB-144 22'345'6-HxCB	0.98	6.3%	0.94	0.90	0.95	1.03	1.04	1.04
PCB-147/149 22'34'56-/22'34'	0.99	5.9%	0.94	0.91	0.95	1.03	1.05	1.03
PCB-134 22'33'56-HxCB	0.80	5.7%	0.74	0.83	0.76	0.82	0.86	0.80
PCB-143 22'3456'-HxCB	0.95	9.3%	1.01	0.80	0.90	0.99	1.00	1.03
PCB-139/140 22'344'6-/22'344'	1.00	6.3%	0.94	0.92	0.97	1.05	1.07	1.05
PCB-131 22'33'46-HxCB	0.85	7.1%	0.77	0.79	0.83	0.89	0.92	0.89
PCB-142 22'3456-HxCB	0.87	6.1%	0.83	0.81	0.84	0.91	0.93	0.92
PCB-132 22'33'46'-HxCB	0.89	6.5%	0.86	0.80	0.86	0.93	0.95	0.93
PCB-133 22'33'55'-HxCB	0.91	7.2%	0.83	0.87	0.88	0.96	0.99	0.97
PCB-165 233'55'6-HxCB	1.13	6.0%	1.07	1.06	1.08	1.18	1.21	1.19
PCB-146 22'34'55'-HxCB	1.01	5.9%	1.01	0.92	0.95	1.03	1.06	1.07
PCB-161 233'45'6-HxCB	1.25	6.3%	1.17	1.18	1.20	1.33	1.35	1.28
PCB-153/168 22'44'55'-/23'44'	1.22	5.7%	1.21	1.13	1.15	1.28	1.30	1.25
PCB-141 22'3455'-HxCB	0.93	5.6%	0.89	0.86	0.89	0.96	0.98	0.98
PCB-130 22'33'45'-HxCB	0.85	5.1%	0.85	0.78	0.81	0.87	0.89	0.88
PCB-137 22'344'5-HxCB	1.04	5.8%	0.95	1.01	1.05	1.11	1.03	1.10
PCB-164 233'4'5'6-HxCB	1.22	7.7%	1.19	1.16	1.12	1.23	1.38	1.26
PCB-163/138/129 233'4'56-/22'	1.02	5.4%	0.98	0.96	1.00	1.07	1.10	1.04
PCB-160 233'456-HxCB	1.21	4.4%	1.20	1.17	1.13	1.24	1.26	1.26
PCB-158 233'44'6-HxCB	1.34	4.3%	1.29	1.27	1.30	1.38	1.41	1.38
PCB-128/166 22'33'44'-/2344'5	0.90	4.4%	0.86	0.86	0.87	0.93	0.94	0.93
PCB-159 233'455'-HxCB	1.06	5.4%	1.03	0.99	1.02	1.11	1.13	1.11
PCB-162 233'4'55'-HxCB	1.08	5.5%	1.05	0.98	1.05	1.12	1.14	1.12
PCB-188 22'34'566'-HpCB	1.03	6.0%	0.93	0.99	1.02	1.08	1.10	1.07
PCB-179 22'33'566'-HpCB	0.97	4.7%	0.92	0.91	0.94	1.01	1.02	1.00
PCB-184 22'344'66'-HpCB	0.93	5.9%	0.87	0.88	0.90	0.97	1.00	0.97
PCB-176 22'33'466'-HpCB	1.05	5.3%	0.98	0.99	1.04	1.09	1.10	1.09
PCB-186 22'34566'-HpCB	0.98	5.1%	0.93	0.92	0.97	1.02	1.03	1.02
PCB-178 22'33'55'6-HpCB	0.74	3.9%	0.71	0.70	0.72	0.75	0.77	0.76
PCB-175 22'33'45'6-HpCB	1.01	7.2%	0.93	0.92	0.99	1.06	1.08	1.07
PCB-187 22'34'55'6-HpCB	1.06	6.6%	0.97	0.99	1.06	1.12	1.13	1.11

PCB-182	22'344'56'-HpCB	1.11	3.6%	1.07	1.09	1.07	1.14	1.15	1.14
PCB-183	22'344'5'6'-HpCB	1.13	9.3%	0.99	1.03	1.15	1.19	1.26	1.18
PCB-185	22'3455'6'-HpCB	1.02	3.7%	1.00	1.01	0.96	1.04	1.03	1.07
PCB-174	22'33'456'-HpCB	0.93	3.6%	0.89	0.90	0.91	0.95	0.96	0.96
PCB-177	22'33'4'56'-HpCB	0.91	5.5%	0.85	0.85	0.89	0.94	0.96	0.95
PCB-181	22'344'56'-HpCB	1.06	3.7%	1.05	1.02	1.02	1.08	1.11	1.10
PCB-171/173	22'33'44'6'-/22'3	0.93	4.2%	0.90	0.87	0.90	0.95	0.97	0.96
PCB-172	22'33'455'-HpCB	0.95	3.9%	0.94	0.91	0.92	0.97	1.00	0.98
PCB-192	233'455'6'-HpCB	1.24	4.6%	1.22	1.15	1.21	1.27	1.30	1.29
PCB-180/193	22'344'55'-/233'	1.16	5.1%	1.14	1.06	1.14	1.19	1.22	1.20
PCB-191	233'44'5'6'-HpCB	1.30	4.1%	1.33	1.22	1.25	1.32	1.36	1.34
PCB-170	22'33'44'5'-HpCB	1.07	5.7%	1.03	0.99	1.04	1.12	1.13	1.13
PCB-190	233'44'56'-HpCB	1.45	5.6%	1.36	1.37	1.41	1.49	1.54	1.54
PCB-202	22'33'55'66'-OcCB	0.91	4.7%	0.90	0.85	0.89	0.95	0.96	0.94
PCB-201	22'33'45'66'-OcCB	1.02	4.5%	0.97	0.97	1.00	1.06	1.07	1.05
PCB-204	22'344'566'-OcCB	0.98	4.6%	1.01	0.90	0.95	1.00	1.01	0.99
PCB-197	22'33'44'66'-OcCB	1.06	2.7%	1.06	1.07	1.03	1.06	1.12	1.05
PCB-200	22'33'4566'-OcCB	0.96	8.8%	0.93	0.81	0.95	1.03	1.01	1.03
PCB-198/199	22'33'455'6'-/22'	0.72	4.6%	0.71	0.67	0.69	0.74	0.76	0.73
PCB-196	22'33'44'56'-OcCB	0.73	6.5%	0.66	0.69	0.72	0.76	0.79	0.76
PCB-203	22'344'55'6'-OcCB	0.76	5.9%	0.72	0.72	0.74	0.80	0.82	0.80
PCB-195	22'33'44'56'-OcCB	0.80	6.2%	0.78	0.73	0.76	0.84	0.85	0.84
PCB-194	22'33'44'55'-OcCB	0.87	3.4%	0.86	0.84	0.84	0.90	0.91	0.89
PCB-205	233'44'55'6'-OcCB	1.09	4.2%	1.09	1.02	1.04	1.11	1.14	1.12
PCB-208	22'33'455'66'-NoCB	1.02	5.3%	0.97	0.96	0.98	1.06	1.08	1.06
PCB-207	22'33'44'566'-NoCB	1.06	5.4%	1.00	1.00	1.02	1.10	1.12	1.10
PCB-206	22'33'44'55'6'-NoCB	0.98	5.5%	0.95	0.90	0.95	1.01	1.04	1.02

1668A/B ICALs											PD from
Ax	RSD	Mean	sd	MM4_PCB_01102012_25JUL12	MM4_PCB_07132012_25JUL12	RSD	Mean	sd	Mean		
77	7.6	1.04	0.08	1.11	1.13	1.2	1.12	0.01	0.9%		
81	9.8	1.09	0.11	1.13	1.13	0.0	1.13	0.00	0.0%		
105	8.6	0.98	0.08	1.11	1.09	0.8	1.10	0.01	-0.6%		
114	8.5	0.97	0.08	1.18	1.16	1.0	1.17	0.01	-0.7%		
118	7.2	0.98	0.07	1.11	1.11	0.4	1.11	0.00	-0.3%		
123	6.4	0.97	0.06	1.08	1.19	6.7	1.13	0.08	4.7%		
126	8.2	0.98	0.08	1.07	1.06	0.3	1.06	0.00	-0.2%		
156/157	4.6	0.97	0.05	1.09	1.11	1.0	1.10	0.01	0.7%		
167	5.2	0.96	0.05	1.14	1.14	0.5	1.14	0.01	-0.4%		
169	4.6	0.93	0.04	1.09	1.11	1.1	1.10	0.01	0.8%		
189	9.8	0.93	0.09	1.07	1.06	0.8	1.06	0.01	-0.6%		
1	10.9	1.18	0.13	1.02	1.03	0.7	1.03	0.01	0.5%		
3	9.5	1.18	0.11	0.98	1.04	4.7	1.01	0.05	3.3%		
4	10.4	0.97	0.10	1.11	1.17	3.6	1.14	0.04	2.5%		
15	7.2	0.99	0.07	0.99	1.08	6.4	1.03	0.07	4.5%		
19	5.3	1.04	0.06	1.10	1.09	0.7	1.10	0.01	-0.5%		
37	8.1	1.05	0.08	1.00	1.10	7.0	1.05	0.07	4.9%		
54	9.1	1.02	0.09	1.18	1.21	1.7	1.19	0.02	1.2%		
104	9.0	1.00	0.09	1.11	1.25	8.4	1.18	0.10	5.9%		
153				1.19	1.22						
155	5.1	1.02	0.05	1.08	1.09	0.6	1.09	0.01	0.4%		
170				1.06	1.07						
180				1.08	1.16						
188	6.5	1.06	0.07	1.03	1.03	0.1	1.03	0.00	0.1%		
202	7.6	0.87	0.07	0.93	0.91	0.8	0.92	0.01	-0.6%		
205	5.8	1.02	0.06	1.07	1.09	1.0	1.08	0.01	0.7%		
208	4.5	0.94	0.04	1.02	1.02	0.1	1.02	0.00	-0.1%		
206	7.1	0.98	0.07	0.99	0.98	1.0	0.99	0.01	-0.7%		
209	6.4	0.94	0.06	1.07	1.07	0.2	1.07	0.00	#REF!		
ES						#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
1	10.8	0.98	0.11	1.08	1.08	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
3	10.3	0.98	0.10	1.14	1.08						
4	8.3	0.71	0.06	0.50	0.49						
15	6.3	1.05	0.07	1.18	1.11	4.4	1.15	0.05	-3.1%		
19	8.4	0.58	0.05	0.53	0.55	2.7	0.54	0.01	1.9%		
37	7.8	1.40	0.11	1.64	1.64	0.2	1.64	0.00	-0.2%		
54	13.1	1.35	0.18	0.87	0.94	5.7	0.90	0.05	4.0%		
77	7.9	1.20	0.10	1.26	1.35	4.5	1.31	0.06	3.2%		
81	7.0	1.17	0.08	1.20	1.29	5.1	1.24	0.06	3.6%		
104	12.1	1.48	0.18	1.08	0.99	6.2	1.04	0.06	-4.3%		
105	5.1	1.18	0.06	1.22	1.23	1.0	1.23	0.01	0.7%		
114	4.2	1.23	0.05	1.24	1.25	0.2	1.25	0.00	0.1%		
118	5.2	1.24	0.07	1.28	1.28	0.3	1.28	0.00	0.2%		
123	5.4	1.20	0.06	1.35	1.22	7.4	1.29	0.09	-5.2%		
126	8.5	1.29	0.11	1.22	1.20	1.2	1.21	0.01	-0.8%		
153				1.10	1.14						
155	5.0	1.51	0.08	1.41	1.50	4.0	1.45	0.06	2.9%		
156/157	15.9	1.15	0.18	1.41	1.45	2.4	1.43	0.03	1.7%		
167	14.1	1.18	0.17	1.43	1.49	3.3	1.46	0.05	2.4%		
169	19.8	1.10	0.22	1.37	1.40	1.8	1.39	0.03	1.3%		
170				1.04	1.00						
180				1.28	1.16						
188	12.9	1.39	0.18	1.12	1.18	3.5	1.15	0.04	2.5%		
189	9.1	1.70	0.15	1.53	1.49	1.9	1.51	0.03	-1.4%		
202	9.7	1.32	0.13	1.07	1.14	4.6	1.10	0.05	3.2%		

205	4.3	1.26	0.05	1.26	1.20	3.1	1.23	0.04	-2.2%
206	7.4	0.94	0.07	0.90	0.87	2.4	0.89	0.02	-1.7%
208	8.5	1.31	0.11	1.22	1.19	1.8	1.21	0.02	-1.2%
209	6.3	1.21	0.08	1.06	1.00	4.1	1.03	0.04	-2.9%
SS									
28	7.1	1.11	0.08	0.98	1.07	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
111	6.3	1.07	0.07	0.90	1.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
178	4.6	0.68	0.03	0.62	0.63	6.5	1.03	0.07	4.6%
						7.8	0.95	0.07	5.5%
						0.9	0.62	0.01	0.6%

Additional Ax						RSD	Mean	sd	PD from Historical Mean
PCB-1 2-MoCB	1.02	1.03				0.7	1.03	0.01	0.5%
PCB-2 3-MoCB	0.97	1.04				4.7	1.01	0.05	3.4%
PCB-3 4-MoCB	0.98	1.04				4.7	1.01	0.05	3.3%
PCB-4 22'-DiCB	1.11	1.17				3.6	1.14	0.04	2.5%
PCB-10 26-DiCB	1.71	1.83				4.8	1.77	0.08	3.4%
PCB-9 25-DiCB	0.83	0.89				5.6	0.86	0.05	4.0%
PCB-7 24-DiCB	0.95	1.02				5.4	0.99	0.05	3.8%
PCB-6 23'-DiCB	0.89	0.95				4.3	0.92	0.04	3.0%
PCB-5 23-DiCB	0.89	0.97				5.9	0.93	0.06	4.2%
PCB-8 24'-DiCB	0.93	0.98				4.0	0.96	0.04	2.8%
PCB-14 35-DiCB	1.07	1.16				5.5	1.11	0.06	3.9%
PCB-11 33'-DiCB	0.94	1.00				4.6	0.97	0.04	3.3%
PCB-13/12 34'-/34-DiCB	0.95	1.02				4.9	0.98	0.05	3.5%
PCB-15 44'-DiCB	0.99	1.08				6.4	1.03	0.07	4.5%
PCB-19 22'6-TrCB	1.10	1.09				0.7	1.10	0.01	-0.5%
PCB-30/18 246-/22'5-TrCB	1.48	1.46				1.1	1.47	0.02	-0.8%
PCB-17 22'4-TrCB	1.28	1.25				1.7	1.27	0.02	-1.2%
PCB-27 23'6-TrCB	1.70	1.69				0.3	1.70	0.01	-0.2%
PCB-24 236-TrCB	1.63	1.63				0.2	1.63	0.00	0.2%
PCB-16 22'3-TrCB	0.97	0.95				1.3	0.96	0.01	-0.9%
PCB-32 24'6-TrCB	1.81	1.79				0.9	1.80	0.02	-0.7%
PCB-34 2'35-TrCB	0.98	1.05				5.1	1.01	0.05	3.6%
PCB-23 235-TrCB	0.98	1.06				5.3	1.02	0.05	3.7%
PCB-26/29 23'5-/24'5-TrCB	1.00	1.09				5.6	1.04	0.06	4.0%
PCB-25 23'4-TrCB	0.99	1.07				5.9	1.03	0.06	4.1%
PCB-31 24'5-TrCB	1.03	1.11				5.2	1.07	0.06	3.7%
PCB-28/20 244'-/23'3-TrCB	0.98	1.07				5.7	1.03	0.06	4.1%
PCB-21/33 234'-/2'34-TrCB	1.01	1.09				5.5	1.05	0.06	3.9%
PCB-22 234'-TrCB	0.93	1.02				6.0	0.97	0.06	4.3%
PCB-36 33'5-TrCB	1.03	1.13				6.5	1.08	0.07	4.6%
PCB-39 34'5-TrCB	1.10	1.17				4.0	1.13	0.05	2.8%
PCB-38 345-TrCB	0.95	1.03				5.7	0.99	0.06	4.1%
PCB-35 33'4-TrCB	0.96	1.04				6.0	1.00	0.06	4.2%
PCB-37 344'-TrCB	1.00	1.10				7.0	1.05	0.07	4.9%
PCB-54 22'66'-TeCB	1.18	1.21				1.7	1.19	0.02	1.2%
PCB-50/53 22'46-/22'56TeCB	0.85	0.86				0.8	0.85	0.01	0.6%
PCB-45 22'36'-TeCB	0.75	0.73				1.7	0.74	0.01	-1.2%
PCB-51 22'46'-TeCB	0.85	0.88				2.7	0.86	0.02	1.9%
PCB-46 22'36'-TeCB	0.68	0.70				1.2	0.69	0.01	0.9%
PCB-52 22'55'-TeCB	0.82	0.84				2.0	0.83	0.02	1.4%
PCB-73 23'5'6TeCB	1.10	1.09				0.6	1.09	0.01	-0.4%
PCB-43 22'35'-TeCB	0.66	0.72				7.0	0.69	0.05	4.9%
PCB-69/49 23'46-/22'45TeCB	1.00	1.01				0.8	1.01	0.01	0.6%
PCB-48 22'45'-TeCB	0.83	0.85				1.5	0.84	0.01	1.1%
PCB-44/47/65 22'35'-/22'44'-	0.88	0.89				0.5	0.89	0.00	0.4%
PCB-59/62/75 23'3'6-/23'46-/24	1.12	1.14				1.1	1.13	0.01	0.8%
PCB-42 22'34'-TeCB	0.77	0.77				0.1	0.77	0.00	0.1%
PCB-41 22'34'-TeCB	0.72	0.73				1.0	0.72	0.01	0.7%

PCB-71/40 23'4'6/22'33'-TeCB	0.85	0.87	1.2	0.86	0.01	0.9%
PCB-64 23'4'-TeCB	1.21	1.24	1.6	1.22	0.02	1.1%
PCB-72 23'55'-TeCB	1.13	1.14	0.7	1.14	0.01	0.5%
PCB-68 23'45'-TeCB	1.21	1.21	0.1	1.21	0.00	-0.1%
PCB-57 23'35'-TeCB	1.10	1.11	0.1	1.10	0.00	0.0%
PCB-58 23'35'-TeCB	1.11	1.10	0.7	1.11	0.01	-0.5%
PCB-67 23'45'-TeCB	1.15	1.16	0.7	1.15	0.01	0.5%
PCB-63 23'45'-TeCB	1.22	1.22	0.4	1.22	0.01	-0.3%
PCB-61/70/74/76 23'45'-/23'4'5'	1.13	1.13	0.1	1.13	0.00	-0.1%
PCB-66 23'44'-TeCB	1.06	1.08	0.7	1.07	0.01	0.5%
PCB-55 23'3'4'-TeCB	1.09	1.10	0.6	1.09	0.01	0.4%
PCB-56 23'3'4'-TeCB	1.05	1.06	0.1	1.05	0.00	0.1%
PCB-60 23'44'-TeCB	1.12	1.11	0.4	1.11	0.00	-0.2%
PCB-80 33'55'-TeCB	1.26	1.25	0.2	1.25	0.00	-0.2%
PCB-79 33'45'-TeCB	1.26	1.23	1.4	1.25	0.02	-1.0%
PCB-78 33'45'-TeCB	1.09	1.08	0.5	1.08	0.01	-0.4%
PCB-104 22'466'-PeCB	1.11	1.25	8.4	1.18	0.10	5.9%
PCB-96 22'366'-PeCB	0.98	1.08	6.6	1.03	0.07	4.7%
PCB-103 22'45'6'-PeCB	0.80	0.90	8.1	0.85	0.07	5.7%
PCB-94 22'356'-PeCB	0.70	0.78	7.3	0.74	0.05	5.2%
PCB-95 22'35'6'-PeCB	0.75	0.83	7.1	0.79	0.06	5.1%
PCB-100/93 22'44'6'-/22'356'-P	0.76	0.84	7.1	0.80	0.06	5.0%
PCB-102 22'456'-PeCB	0.82	0.90	6.6	0.86	0.06	4.7%
PCB-98 22'3'46'-PeCB	0.69	0.77	7.8	0.73	0.06	5.5%
PCB-88 22'346'-PeCB	0.67	0.79	11.7	0.73	0.09	8.3%
PCB-91 22'34'6'-PeCB	0.84	0.88	3.2	0.86	0.03	2.3%
PCB-84 22'33'6'-PeCB	0.65	0.71	6.7	0.68	0.05	4.7%
PCB-89 22'346'-PeCB	0.68	0.76	7.7	0.72	0.06	5.5%
PCB-121 23'45'6'-PeCB	1.02	1.14	8.0	1.08	0.09	5.6%
PCB-92 22'355'-PeCB	0.73	0.80	6.4	0.77	0.05	4.5%
PCB-113/90/101 23'3'5'6'-/22'3'	0.85	0.93	6.5	0.89	0.06	4.6%
PCB-83 22'33'5'-PeCB	0.63	0.71	8.3	0.67	0.06	5.9%
PCB-99 22'44'5'-PeCB	0.82	0.87	4.5	0.84	0.04	3.2%
PCB-112 23'3'56'-PeCB	1.01	1.13	7.6	1.07	0.08	5.4%
PCB-108/119/86/97/125/87 233	0.87	0.95	6.5	0.91	0.06	4.6%
PCB-117 23'4'56'-PeCB	0.96	1.04	5.9	1.00	0.06	4.2%
PCB-116/85 23'456'-/22'344'-Pe	0.87	0.97	8.1	0.92	0.07	5.7%
PCB-110 23'3'4'6'-PeCB	0.95	1.02	5.4	0.98	0.05	3.8%
PCB-115 23'44'6'-PeCB	1.02	1.16	8.7	1.09	0.09	6.1%
PCB-82 22'33'4'-PeCB	0.63	0.69	6.5	0.66	0.04	4.6%
PCB-111 23'3'55'-PeCB	1.05	1.15	7.0	1.10	0.08	4.9%
PCB-120 23'455'-PeCB	1.05	1.16	6.7	1.11	0.07	4.8%
PCB-107/124 23'3'4'5'-/2'3455'	0.99	1.07	6.1	1.03	0.06	4.3%
PCB-109 23'3'46'-PeCB	1.05	1.14	5.7	1.10	0.06	4.0%
PCB-106 23'3'45'-PeCB	0.98	1.07	5.9	1.03	0.06	4.2%
PCB-122 2'33'45'-PeCB	1.01	1.00	0.8	1.01	0.01	-0.6%
PCB-127 33'455'-PeCB	1.12	1.10	1.3	1.11	0.01	-0.9%
PCB-155 22'44'66'-HxCB	1.08	1.09	0.6	1.09	0.01	0.4%
PCB-152 22'3566'-HxCB	1.00	1.01	0.7	1.01	0.01	0.5%
PCB-150 22'34'66'-HxCB	1.03	1.00	2.0	1.02	0.02	-1.4%
PCB-136 22'33'66'-HxCB	0.95	0.95	0.3	0.95	0.00	0.2%
PCB-145 22'3466'-HxCB	0.98	0.96	1.0	0.97	0.01	-0.7%
PCB-148 22'34'56'-HxCB	0.96	0.97	1.0	0.96	0.01	0.7%
PCB-151/135 22'355'6'-/22'33'	0.94	0.96	1.8	0.95	0.02	1.3%
PCB-154 22'44'5'6'-HxCB	1.05	1.09	2.7	1.07	0.03	1.9%
PCB-144 22'345'6'-HxCB	0.96	0.98	1.3	0.97	0.01	0.9%
PCB-147/149 22'34'56'-/22'34'	0.96	0.99	1.6	0.97	0.02	1.1%
PCB-134 22'33'56'-HxCB	0.78	0.80	1.6	0.79	0.01	1.1%
PCB-143 22'3456'-HxCB	0.92	0.95	2.6	0.94	0.02	1.8%
PCB-139/140 22'344'6'-/22'344'	0.99	1.00	0.9	0.99	0.01	0.6%
PCB-131 22'33'46'-HxCB	0.84	0.85	1.0	0.84	0.01	0.7%
PCB-142 22'3456'-HxCB	0.86	0.87	1.0	0.87	0.01	0.7%
PCB-132 22'33'46'-HxCB	0.87	0.89	1.4	0.88	0.01	1.0%
PCB-133 22'33'55'-HxCB	0.92	0.91	0.7	0.92	0.01	-0.5%

PCB-165 233'55'6'-HxCB	1.12	1.13	0.8	1.13	0.01	0.6%
PCB-146 22'34'55'-HxCB	0.99	1.01	1.5	1.00	0.01	1.1%
PCB-161 233'45'6'-HxCB	1.24	1.25	0.5	1.25	0.01	0.4%
PCB-153/168 22'44'55'-/23'44'	1.19	1.22	1.8	1.20	0.02	1.3%
PCB-141 22'34'55'-HxCB	0.92	0.93	0.5	0.92	0.00	0.4%
PCB-130 22'33'45'-HxCB	0.82	0.85	2.0	0.84	0.02	1.4%
PCB-137 22'344'5'-HxCB	1.00	1.04	2.9	1.02	0.03	2.1%
PCB-164 233'4'5'6'-HxCB	1.21	1.22	0.8	1.22	0.01	0.6%
PCB-163/138/129 233'4'56'-/22'	1.01	1.02	1.0	1.02	0.01	0.7%
PCB-160 233'456'-HxCB	1.18	1.21	1.7	1.19	0.02	1.2%
PCB-158 233'44'6'-HxCB	1.30	1.34	2.1	1.32	0.03	1.5%
PCB-128/166 22'33'44'-/2344'5	0.91	0.90	1.1	0.91	0.01	-0.8%
PCB-159 233'455'-HxCB	1.07	1.06	0.8	1.07	0.01	-0.5%
PCB-162 233'4'55'-HxCB	1.09	1.08	1.2	1.08	0.01	-0.8%
PCB-188 22'34'566'-HpCB	1.03	1.03	0.1	1.03	0.00	0.1%
PCB-179 22'33'566'-HpCB	0.95	0.97	1.6	0.96	0.02	1.2%
PCB-184 22'344'66'-HpCB	0.94	0.93	0.9	0.94	0.01	-0.6%
PCB-176 22'33'466'-HpCB	1.05	1.05	0.3	1.05	0.00	-0.2%
PCB-186 22'34566'-HpCB	0.98	0.98	0.1	0.98	0.00	0.1%
PCB-178 22'33'55'6'-HpCB	0.73	0.74	0.2	0.73	0.00	0.2%
PCB-175 22'33'45'6'-HpCB	0.95	1.01	4.2	0.98	0.04	3.0%
PCB-187 22'34'55'6'-HpCB	0.99	1.06	5.1	1.03	0.05	3.6%
PCB-182 22'344'56'-HpCB	1.02	1.11	6.0	1.07	0.06	4.2%
PCB-183 22'344'5'6'-HpCB	1.06	1.13	4.9	1.10	0.05	3.5%
PCB-185 22'3455'6'-HpCB	0.95	1.02	5.1	0.98	0.05	3.6%
PCB-174 22'33'456'-HpCB	0.83	0.93	7.8	0.88	0.07	5.5%
PCB-177 22'33'4'56'-HpCB	0.85	0.91	4.6	0.88	0.04	3.3%
PCB-181 22'344'56'-HpCB	0.98	1.06	5.4	1.02	0.06	3.8%
PCB-171/173 22'33'44'6'-/22'3	0.85	0.93	6.1	0.89	0.05	4.3%
PCB-172 22'33'455'-HpCB	0.88	0.95	6.0	0.92	0.05	4.2%
PCB-192 233'455'6'-HpCB	1.12	1.24	7.1	1.18	0.08	5.0%
PCB-180/193 22'344'55'-/233'	1.08	1.16	5.1	1.12	0.06	3.6%
PCB-191 233'44'5'6'-HpCB	1.20	1.30	5.9	1.25	0.07	4.2%
PCB-170 22'33'44'5'-HpCB	1.06	1.07	1.1	1.07	0.01	0.8%
PCB-190 233'44'56'-HpCB	1.42	1.45	1.7	1.43	0.02	1.2%
PCB-202 22'33'55'66'-OcCB	0.93	0.91	0.8	0.92	0.01	-0.6%
PCB-201 22'33'45'66'-OcCB	1.04	1.02	1.2	1.03	0.01	-0.9%
PCB-204 22'344'566'-OcCB	0.99	0.98	1.0	0.98	0.01	-0.7%
PCB-197 22'33'44'66'-OcCB	1.03	1.06	2.0	1.05	0.02	1.4%
PCB-200 22'33'4566'-OcCB	1.02	0.96	4.1	0.99	0.04	-2.9%
PCB-198/199 22'33'455'6'-/22'	0.74	0.72	2.1	0.73	0.01	-1.5%
PCB-196 22'33'44'56'-OcCB	0.77	0.73	3.7	0.75	0.03	-2.6%
PCB-203 22'344'55'6'-OcCB	0.80	0.76	3.0	0.78	0.02	-2.1%
PCB-195 22'33'44'56'-OcCB	0.79	0.80	0.8	0.80	0.01	0.6%
PCB-194 22'33'44'55'-OcCB	0.87	0.87	0.4	0.87	0.00	0.2%
PCB-205 233'44'55'6'-OcCB	1.07	1.09	1.0	1.08	0.01	0.7%
PCB-208 22'33'455'66'-NoCB	1.02	1.02	0.1	1.02	0.00	-0.1%
PCB-207 22'33'44'566'-NoCB	1.07	1.06	0.7	1.06	0.01	-0.5%
PCB-206 22'33'44'55'6'-NoCB	0.99	0.98	0.7	0.99	0.01	-0.5%

Analytical Perspectives — Run Log

Project: MM7_PCB_07132012_25JUL12

Instrument: MM7 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_a

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
15	120725X15	Tray1:50	CS0_120725_PCB_XC	0.03	SIL 12-65-6	LKB	094-961	26-Jul-2012	02:56:49
16	120725X16	Tray1:51	CS1_120725_PCB_XB	0.03	SIL 12-65-5	LKB	824-792	26-Jul-2012	03:50:43
17	120725X17	Tray1:52	CS2_120725_PCB_XB	0.03	SIL 12-65-4	LKB	175-178	26-Jul-2012	04:44:38
18	120725X18	Tray1:53	CS3_120725_PCB_XB	0.03	SIL 12-65-3	LKB	426-138	26-Jul-2012	05:38:32
19	120725X19	Tray1:54	CS4_120725_PCB_XB	0.03	SIL 12-65-2	LKB	276-589	26-Jul-2012	06:32:28
20	120725X20	Tray1:55	CS5_120725_PCB_XB	0.03	SIL 12-65-1	LKB	951-239	26-Jul-2012	07:26:23
21	120725X21	Tray1:02	SBS_120725_PCB_XH	0.03	SIL 9-41-1	LKB	476-201	26-Jul-2012	08:33:09
22	120725X22	Tray1:02	SBS_120725_PCB_XI	0.03	SIL 9-41-1	LKB	961-294	26-Jul-2012	09:25:22

REVIEWED
By Laura Boivin at 11:26 am, Jul 28, 2012

OK JK 8/1/12

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:10		
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	4.40E+05	0.84 Y	1.13	1.12	-1.0%	
PCB-81 344'5'-TeCB	30.07	4.09E+05	0.74 Y	1.13	1.09	-3.0%	
PCB-105 233'44'-PeCB	33.49	3.57E+05	0.63 Y	1.09	1.07	-2.0%	
PCB-114 2344'5'-PeCB	32.96	3.71E+05	0.58 Y	1.16	1.10	-5.3%	
PCB-118 23'44'5'-PeCB	32.51	3.93E+05	0.61 Y	1.11	1.13	2.3%	
PCB-123 2'344'5'-PeCB	32.23	3.85E+05	0.61 Y	1.19	1.18	-0.6%	
PCB-126 33'44'5'-PeCB	36.08	3.40E+05	0.62 Y	1.06	1.04	-1.9%	
PCB-156/157 233'44'5'/233'44'5'	38.61	7.14E+05	1.28 Y	1.11	1.09	-2.0%	
PCB-167 23'44'55'-HxCB	37.65	3.68E+05	1.22 Y	1.14	1.08	-4.5%	
PCB-169 33'44'55'-HxCB	41.31	3.38E+05	1.15 Y	1.11	1.07	-4.1%	
PCB-189 233'44'55'-HpCB	43.43	3.13E+05	1.11 Y	1.06	1.03	-2.6%	
PCB-209 DeCB	48.38	2.29E+05	1.17 Y	1.07	1.10	2.3%	
ES PCB-1	10.64	1.17E+08	3.14 Y	1.08	1.09	0.4%	
ES PCB-3	12.70	1.16E+08	3.23 Y	1.08	1.08	-0.7%	
ES PCB-4	12.92	5.31E+07	1.59 Y	0.49	0.49	0.6%	
ES PCB-15	18.24	1.19E+08	1.59 Y	1.11	1.10	-0.6%	
ES PCB-19	15.75	6.04E+07	1.05 Y	0.55	0.56	0.7%	
ES PCB-37	24.32	9.54E+07	1.06 Y	1.64	1.63	-0.6%	
ES PCB-54	18.49	5.54E+07	0.77 Y	0.94	0.94	0.4%	
ES PCB-77	30.52	7.84E+07	0.80 Y	1.35	1.34	-0.9%	
ES PCB-81	30.05	7.47E+07	0.79 Y	1.29	1.27	-1.1%	
ES PCB-104	23.28	5.31E+07	1.58 Y	0.99	0.98	-1.1%	
ES PCB-105	33.46	6.66E+07	1.64 Y	1.23	1.23	-0.1%	
ES PCB-114	32.93	6.76E+07	1.62 Y	1.25	1.25	0.2%	
ES PCB-118	32.49	6.94E+07	1.61 Y	1.28	1.28	0.2%	
ES PCB-123	32.21	6.52E+07	1.58 Y	1.22	1.21	-1.0%	
ES PCB-126	36.06	6.53E+07	1.59 Y	1.20	1.21	0.7%	
ES PCB-153	34.06	5.07E+07	1.30 Y	1.14	1.14	-0.2%	
ES PCB-155	28.13	6.64E+07	1.26 Y	1.50	1.49	-0.2%	
ES PCB-156/157	38.59	1.32E+08	1.29 Y	1.45	1.48	1.6%	
ES PCB-167	37.63	6.78E+07	1.27 Y	1.49	1.52	1.9%	
ES PCB-169	41.29	6.34E+07	1.28 Y	1.40	1.42	1.3%	
ES PCB-170	40.80	4.16E+07	1.06 Y	1.00	1.01	0.9%	
ES PCB-180	39.76	4.71E+07	1.05 Y	1.16	1.15	-1.1%	
ES PCB-188	32.94	5.30E+07	1.07 Y	1.18	1.19	1.0%	
ES PCB-189	43.41	6.08E+07	1.04 Y	1.49	1.48	-0.6%	
ES PCB-202	37.43	5.12E+07	0.90 Y	1.14	1.15	1.1%	
ES PCB-205	45.56	4.94E+07	0.89 Y	1.20	1.20	-0.1%	
ES PCB-206	47.01	3.61E+07	0.79 Y	0.87	0.88	1.0%	
ES PCB-208	43.02	4.91E+07	0.79 Y	1.19	1.19	0.3%	
ES PCB-209	48.36	4.17E+07	1.19 Y	1.00	1.01	1.0%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:10		
Lab ID:	CS0_120725_PCB_XC	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.07	-0.3%	
SS PCB-111	30.57	6.61E+07	1.60 Y	1.01	1.01	0.9%	
SS PCB-178	35.49	3.27E+07	1.06 Y	0.63	0.62	-1.8%	
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.74	-1.0%	
CS PCB-111	30.57	6.61E+07	1.60 Y	1.23	1.22	-0.1%	
CS PCB-178	35.49	3.27E+07	1.06 Y	0.74	0.73	-0.8%	
JS PCB-9	14.74	1.08E+08	1.60 Y	-	-	-	
JS PCB-52	22.45	5.87E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	5.40E+07	1.59 Y	-	-	-	
JS PCB-138	35.10	4.45E+07	1.27 Y	-	-	-	
JS PCB-194	45.16	4.11E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%	
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%	
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%	
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%	
PCB-19 22'6'-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%	
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%	
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%	
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%	
PCB-153 22'44'55' -HxCB	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%	
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%	
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%	
PCB-180 22'344'55'-HpCB	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%	
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%	
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%	
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	5.46E+05	3.25 Y	1.03	0.93	-9.9%
PCB-2 3-MoCB	12.54	5.48E+05	3.16 Y	1.04	0.94	-9.6%
PCB-3 4-MoCB	12.71	5.56E+05	2.99 Y	1.04	0.95	-8.5%
PCB-4 22'-DiCB	12.93	2.97E+05	0.00 S	1.17	1.12	-4.4%
PCB-10 26-DiCB	13.10	4.83E+05	0.00 S	1.83	1.82	-0.9%
PCB-9 25-DiCB	14.76	4.85E+05	1.49 Y	0.89	0.81	-9.3%
PCB-7 24-DiCB	14.91	5.52E+05	1.64 Y	1.02	0.92	-9.8%
PCB-6 23'-DiCB	15.12	5.14E+05	1.60 Y	0.95	0.86	-9.3%
PCB-5 23-DiCB	15.40	5.58E+05	1.39 Y	0.97	0.93	-3.9%
PCB-8 24'-DiCB	15.51	5.26E+05	1.64 Y	0.98	0.88	-10.3%
PCB-14 35-DiCB	16.98	6.40E+05	1.64 Y	1.16	1.07	-7.4%
PCB-11 33'-DiCB	17.71	5.23E+05	1.67 Y	1.00	0.88	-12.3%
PCB-13/12 34'-/34-DiCB	17.98	1.14E+06	1.52 Y	1.02	0.96	-5.9%
PCB-15 44'-DiCB	18.25	6.16E+05	1.51 Y	1.08	1.03	-4.6%
PCB-19 22'6-TrCB	15.77	3.20E+05	1.01 Y	1.09	1.06	-3.2%
PCB-30/18 246-/22'5-TrCB	17.43	8.15E+05	1.05 Y	1.46	1.35	-7.5%
PCB-17 22'4-TrCB	17.81	3.45E+05	1.13 Y	1.25	1.14	-8.8%
PCB-27 23'6-TrCB	17.99	4.96E+05	1.12 Y	1.69	1.64	-2.9%
PCB-24 236-TrCB	18.12	4.67E+05	1.08 Y	1.63	1.55	-5.5%
PCB-16 22'3-TrCB	18.20	2.70E+05	1.04 Y	0.95	0.90	-6.2%
PCB-32 24'6-TrCB	18.66	5.12E+05	1.06 Y	1.79	1.70	-5.1%
PCB-34 2'35-TrCB	19.77	4.82E+05	0.93 Y	1.05	1.01	-3.6%
PCB-23 235-TrCB	19.91	4.78E+05	1.09 Y	1.06	1.00	-5.3%
PCB-26/29 23'5-/245-TrCB	20.19	9.87E+05	1.01 Y	1.09	1.03	-4.8%
PCB-25 23'4-TrCB	20.37	4.91E+05	0.98 Y	1.07	1.03	-4.2%
PCB-31 24'5-TrCB	20.64	4.99E+05	1.05 Y	1.11	1.05	-5.9%
PCB-28/20 244'-/233'-TrCB	20.91	9.80E+05	1.07 Y	1.07	1.03	-3.9%
PCB-21/33 234-/2'34-TrCB	21.08	1.01E+06	1.02 Y	1.09	1.06	-2.8%
PCB-22 234'-TrCB	21.44	4.65E+05	1.01 Y	1.02	0.97	-4.1%
PCB-36 33'5-TrCB	22.80	5.20E+05	1.00 Y	1.13	1.09	-3.4%
PCB-39 34'5-TrCB	23.10	5.24E+05	0.96 Y	1.17	1.10	-5.7%
PCB-38 345-TrCB	23.60	4.75E+05	1.06 Y	1.03	1.00	-3.6%
PCB-35 33'4-TrCB	23.99	4.90E+05	1.02 Y	1.04	1.03	-1.2%
PCB-37 344'-TrCB	24.34	5.24E+05	1.03 Y	1.10	1.10	-0.5%
PCB-54 22'66'-TeCB	18.50	3.13E+05	0.83 Y	1.21	1.13	-6.5%
PCB-50/53 22'46-/22'56'TeCB	20.42	5.97E+05	0.79 Y	0.86	0.80	-6.7%
PCB-45 22'36'-TeCB	20.97	2.41E+05	0.77 Y	0.73	0.64	-11.8%
PCB-51 22'46'-TeCB	21.04	3.24E+05	0.81 Y	0.88	0.87	-1.5%
PCB-46 22'36'-TeCB	21.24	2.40E+05	0.80 Y	0.70	0.64	-7.5%
PCB-52 22'55'-TeCB	22.47	3.04E+05	0.85 Y	0.84	0.81	-3.6%
PCB-73 23'5'6TeCB	22.60	3.96E+05	0.76 Y	1.09	1.06	-2.8%
PCB-43 22'35'-TeCB	22.68	2.53E+05	0.83 Y	0.72	0.68	-6.3%
PCB-69/49 23'46-/22'45'TeCB	22.88	7.07E+05	0.83 Y	1.01	0.95	-6.6%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.06E+05	0.80 Y	0.85	0.82	-3.9%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.57E+05	0.78 Y	0.89	0.85	-4.1%
PCB-59/62/75 233'6-/2346-/24	23.62	1.21E+06	0.81 Y	1.14	1.08	-5.2%
PCB-42 22'34'-TeCB	23.78	2.63E+05	0.83 Y	0.77	0.70	-8.9%
PCB-41 22'34'-TeCB	24.10	2.78E+05	0.78 Y	0.73	0.75	2.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	6.22E+05	0.79 Y	0.87	0.83	-3.9%
PCB-64 234'6'-TeCB	24.39	4.50E+05	0.75 Y	1.24	1.20	-2.6%
PCB-72 23'55'-TeCB	25.11	4.01E+05	0.79 Y	1.14	1.07	-6.1%
PCB-68 23'45'-TeCB	25.36	4.27E+05	0.85 Y	1.21	1.14	-5.6%
PCB-57 233'5'-TeCB	25.72	4.00E+05	0.81 Y	1.11	1.07	-3.3%
PCB-58 233'5'-TeCB	25.92	3.76E+05	0.80 Y	1.10	1.01	-8.5%
PCB-67 23'45'-TeCB	26.07	4.09E+05	0.83 Y	1.16	1.09	-5.8%
PCB-63 234'5'-TeCB	26.29	4.21E+05	0.75 Y	1.22	1.13	-7.4%
PCB-61/70/74/76 2345-/23'4'5	26.57	1.57E+06	0.78 Y	1.13	1.05	-7.2%
PCB-66 23'44'-TeCB	26.85	3.86E+05	0.83 Y	1.08	1.03	-4.0%
PCB-55 233'4'-TeCB	26.98	3.82E+05	0.78 Y	1.10	1.02	-6.9%
PCB-56 233'4'-TeCB	27.41	3.76E+05	0.83 Y	1.06	1.01	-4.7%
PCB-60 2344'-TeCB	27.59	3.95E+05	0.80 Y	1.11	1.06	-4.8%
PCB-80 33'55'-TeCB	27.95	4.34E+05	0.85 Y	1.25	1.16	-7.4%
PCB-79 33'45'-TeCB	29.23	4.30E+05	0.80 Y	1.23	1.15	-6.7%
PCB-78 33'45'-TeCB	29.70	3.97E+05	0.74 Y	1.08	1.06	-1.6%
PCB-104 22'466'-PeCB	23.30	3.32E+05	0.63 Y	1.25	1.25	-0.4%
PCB-96 22'366'-PeCB	23.60	2.76E+05	0.65 Y	1.08	1.04	-3.4%
PCB-103 22'45'6'-PeCB	25.27	2.84E+05	0.58 Y	0.90	0.87	-3.3%
PCB-94 22'356'-PeCB	25.45	2.38E+05	0.55 Y	0.78	0.73	-5.8%
PCB-95 22'35'6'-PeCB	25.82	2.51E+05	0.67 Y	0.83	0.77	-6.9%
PCB-100/93 22'44'6-/22'356-P	26.03	5.21E+05	0.62 Y	0.84	0.80	-5.2%
PCB-102 22'456'-PeCB	26.14	3.18E+05	0.57 Y	0.90	0.98	8.5%
PCB-98 22'3'46'-PeCB	26.21	1.93E+05	0.61 Y	0.77	0.59	-23.2%
PCB-88 22'346'-PeCB	26.49	2.74E+05	0.68 Y	0.79	0.84	5.8%
PCB-91 22'34'6'-PeCB	26.56	2.46E+05	0.57 Y	0.88	0.76	-14.0%
PCB-84 22'33'6'-PeCB	26.74	2.19E+05	0.67 Y	0.71	0.67	-5.3%
PCB-89 22'346'-PeCB	27.15	2.33E+05	0.58 Y	0.76	0.72	-6.0%
PCB-121 23'45'6'-PeCB	27.52	3.57E+05	0.61 Y	1.14	1.10	-4.2%
PCB-92 22'355'-PeCB	27.82	2.46E+05	0.62 Y	0.80	0.75	-5.8%
PCB-113/90/101 233'5'6-/22'3	28.30	8.78E+05	0.65 Y	0.93	0.90	-4.0%
PCB-83 22'33'5'-PeCB	28.72	2.23E+05	0.62 Y	0.71	0.69	-3.8%
PCB-99 22'44'5'-PeCB	28.82	2.76E+05	0.55 Y	0.87	0.85	-2.7%
PCB-112 233'56'-PeCB	28.91	3.53E+05	0.62 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.25	1.81E+06	0.65 Y	0.95	0.92	-2.6%
PCB-117 234'56'-PeCB	29.78	3.57E+05	0.60 Y	1.04	1.10	5.4%
PCB-116/85 23456-/22'344'-Pe	29.85	5.87E+05	0.60 Y	0.97	0.90	-7.4%
PCB-110 233'4'6'-PeCB	29.97	3.28E+05	0.61 Y	1.02	1.01	-1.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:10

Lab ID: CS0_120725_PCB_XC
 Acquired: 26-JUL-2012 02:56
 Datafile: 120725X15

ICAL: MM7_PCB_07132012_25JUL12

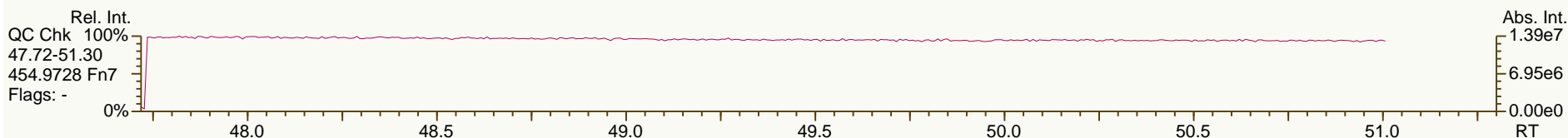
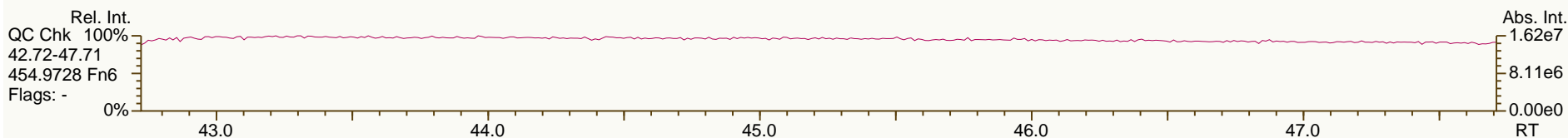
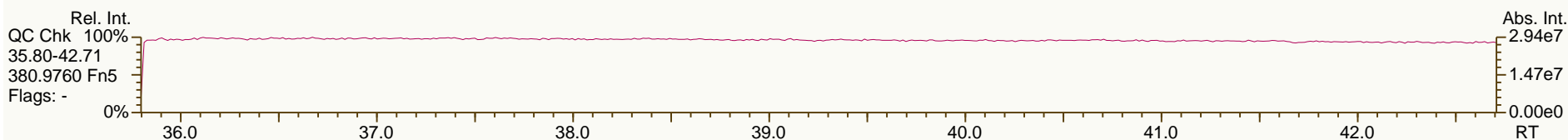
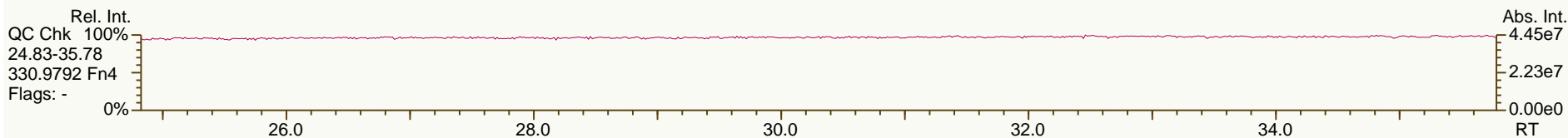
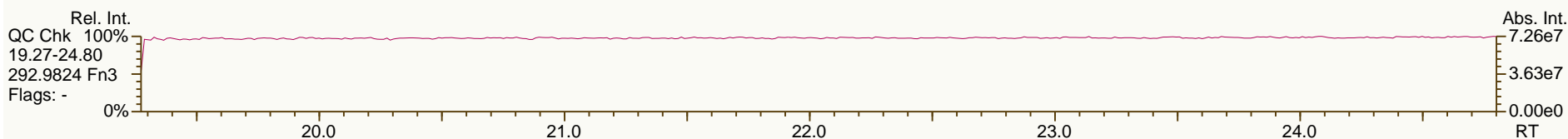
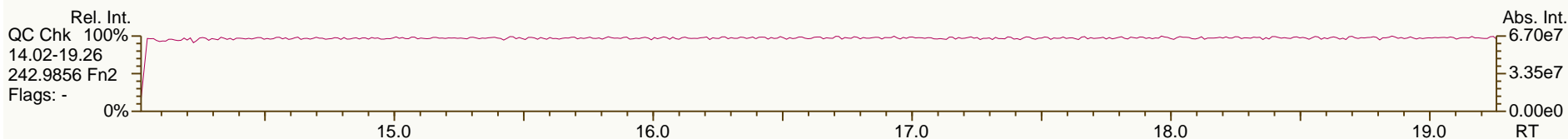
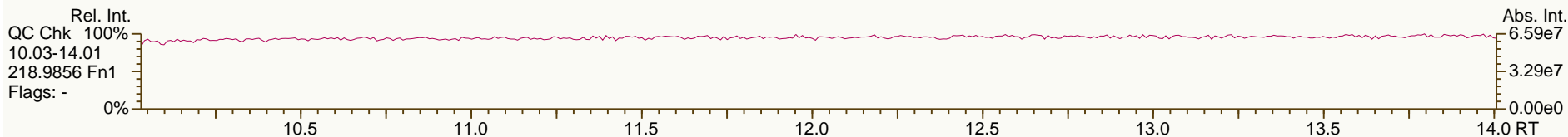
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PCB-115 2344'6-PeCB	30.06	3.81E+05	0.58 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.24	2.13E+05	0.58 Y	0.69	0.65	-5.3%
PCB-111 233'55'-PeCB	30.59	3.53E+05	0.61 Y	1.15	1.08	-6.1%
PCB-120 23'455'-PeCB	30.98	3.61E+05	0.65 Y	1.16	1.11	-4.5%
PCB-107/124 233'4'5'-/2'3455'	31.92	6.64E+05	0.62 Y	1.07	1.02	-5.2%
PCB-109 233'46-PeCB	32.13	3.63E+05	0.67 Y	1.14	1.11	-2.5%
PCB-106 233'45-PeCB	32.34	3.38E+05	0.59 Y	1.07	1.04	-3.2%
PCB-122 2'33'45-PeCB	32.79	3.17E+05	0.61 Y	1.00	0.94	-6.2%
PCB-127 33'455'-PeCB	34.73	3.47E+05	0.59 Y	1.10	1.04	-5.4%
PCB-155 22'44'66'-HxCB	28.15	3.43E+05	1.29 Y	1.09	1.03	-5.4%
PCB-152 22'3566'-HxCB	28.29	3.24E+05	1.38 Y	1.01	0.98	-3.5%
PCB-150 22'34'66'-HxCB	28.44	2.98E+05	1.43 Y	1.00	0.90	-10.6%
PCB-136 22'33'66'-HxCB	28.73	2.97E+05	1.28 Y	0.95	0.89	-6.1%
PCB-145 22'3466'HxCB	28.99	2.86E+05	1.34 Y	0.96	0.86	-10.5%
PCB-148 22'34'56'-HxCB	30.28	2.31E+05	1.31 Y	0.97	0.91	-5.9%
PCB-151/135 22'355'6-/22'33'	30.78	4.71E+05	1.35 Y	0.96	0.93	-3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.60E+05	1.25 Y	1.09	1.03	-5.8%
PCB-144 22'345'6-HxCB	31.25	2.39E+05	1.31 Y	0.98	0.94	-4.0%
PCB-147/149 22'34'56-/22'34'	31.54	4.78E+05	1.23 Y	0.99	0.94	-4.2%
PCB-134 22'33'56-HxCB	31.70	1.87E+05	1.22 Y	0.80	0.74	-7.6%
PCB-143 22'3456'-HxCB	31.78	2.57E+05	1.25 Y	0.95	1.01	6.1%
PCB-139/140 22'344'6-/22'344'	32.05	4.78E+05	1.29 Y	1.00	0.94	-5.6%
PCB-131 22'33'46-HxCB	32.21	1.96E+05	1.27 Y	0.85	0.77	-9.2%
PCB-142 22'3456-HxCB	32.34	2.10E+05	1.32 Y	0.87	0.83	-5.3%
PCB-132 22'33'46'-HxCB	32.59	2.19E+05	1.39 Y	0.89	0.86	-2.8%
PCB-133 22'33'55'-HxCB	33.02	2.09E+05	1.37 Y	0.91	0.83	-9.7%
PCB-165 233'55'6-HxCB	33.36	2.71E+05	1.23 Y	1.13	1.07	-5.7%
PCB-146 22'34'55'-HxCB	33.57	2.56E+05	1.31 Y	1.01	1.01	0.4%
PCB-161 233'45'6-HxCB	33.68	2.98E+05	1.18 Y	1.25	1.17	-6.3%
PCB-153/168 22'44'55'-/23'44'	34.11	6.14E+05	1.27 Y	1.22	1.21	-0.6%
PCB-141 22'3455'-HxCB	34.24	2.25E+05	1.29 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.58	2.15E+05	1.27 Y	0.85	0.85	0.0%
PCB-137 22'344'5-HxCB	34.77	2.40E+05	1.22 Y	1.04	0.95	-9.1%
PCB-164 233'4'5'6-HxCB	34.86	3.03E+05	1.16 Y	1.22	1.19	-2.4%
PCB-163/138/129 233'4'56-/22'	35.14	7.45E+05	1.17 Y	1.02	0.98	-4.3%
PCB-160 233'456-HxCB	35.27	3.03E+05	1.28 Y	1.21	1.20	-1.0%
PCB-158 233'44'6-HxCB	35.46	3.27E+05	1.31 Y	1.34	1.29	-3.4%
PCB-128/166 22'33'44'-/2344'5	36.17	5.81E+05	1.25 Y	0.90	0.86	-4.6%
PCB-159 233'455'-HxCB	37.01	3.50E+05	1.21 Y	1.06	1.03	-2.8%
PCB-162 233'4'55'-HxCB	37.25	3.55E+05	1.25 Y	1.08	1.05	-2.6%
PCB-188 22'34'566'-HpCB	32.96	2.48E+05	1.05 Y	1.03	0.93	-9.6%
PCB-179 22'33'566'-HpCB	33.22	2.45E+05	1.04 Y	0.97	0.92	-4.5%
PCB-184 22'344'66'-HpCB	33.69	2.30E+05	0.99 Y	0.93	0.87	-6.9%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:10		
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Acquired:	26-JUL-2012 02:56						
Datafile:	120725X15						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	2.59E+05	1.07 Y	1.05	0.98	-6.9%	
PCB-186 22'34566'-HpCB	34.35	2.47E+05	1.17 Y	0.98	0.93	-5.0%	
PCB-178 22'33'55'6'-HpCB	35.51	1.89E+05	0.96 Y	0.74	0.71	-3.1%	
PCB-175 22'33'45'6'-HpCB	36.05	2.19E+05	0.93 Y	1.01	0.93	-7.9%	
PCB-187 22'34'55'6'-HpCB	36.27	2.28E+05	1.11 Y	1.06	0.97	-9.0%	
PCB-182 22'344'56'-HpCB	36.45	2.51E+05	0.94 Y	1.11	1.07	-4.0%	
PCB-183 22'344'5'6'-HpCB	36.79	2.32E+05	0.93 Y	1.13	0.99	-12.9%	
PCB-185 22'3455'6'-HpCB	36.86	2.34E+05	1.12 Y	1.02	1.00	-2.3%	
PCB-174 22'33'456'-HpCB	36.97	2.09E+05	1.22 N	0.93	0.89	-4.2%	
PCB-177 22'33'4'56'-HpCB	37.34	2.01E+05	1.01 Y	0.91	0.85	-5.9%	
PCB-181 22'344'56'-HpCB	37.68	2.47E+05	1.02 Y	1.06	1.05	-1.1%	
PCB-171/173 22'33'44'6'-/22'3	37.86	4.26E+05	1.10 Y	0.93	0.90	-2.5%	
PCB-172 22'33'455'-HpCB	39.23	2.22E+05	1.00 Y	0.95	0.94	-1.3%	
PCB-192 233'455'6'-HpCB	39.47	2.87E+05	1.06 Y	1.24	1.22	-1.7%	
PCB-180/193 22'344'55'-/233'	39.75	5.38E+05	1.02 Y	1.16	1.14	-1.4%	
PCB-191 233'44'5'6'-HpCB	40.07	3.12E+05	0.97 Y	1.30	1.33	1.7%	
PCB-170 22'33'44'5'-HpCB	40.82	2.15E+05	0.99 Y	1.07	1.03	-3.7%	
PCB-190 233'44'56'-HpCB	41.27	2.83E+05	1.05 Y	1.45	1.36	-6.2%	
PCB-202 22'33'55'66'-OcCB	37.45	2.31E+05	0.91 Y	0.91	0.90	-1.2%	
PCB-201 22'33'45'66'-OcCB	38.23	2.49E+05	0.94 Y	1.02	0.97	-4.5%	
PCB-204 22'344'566'-OcCB	38.80	2.58E+05	0.91 Y	0.98	1.01	3.2%	
PCB-197 22'33'44'66'-OcCB	38.99	2.71E+05	0.76 Y	1.06	1.06	-0.5%	
PCB-200 22'33'4566'-OcCB	39.07	2.37E+05	0.89 Y	0.96	0.93	-3.4%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.63E+05	0.93 Y	0.72	0.71	-0.8%	
PCB-196 22'33'44'56'-OcCB	41.97	1.69E+05	0.95 Y	0.73	0.66	-9.7%	
PCB-203 22'344'55'6'-OcCB	42.13	1.84E+05	0.93 Y	0.76	0.72	-6.0%	
PCB-195 22'33'44'56'-OcCB	43.23	1.93E+05	1.01 Y	0.80	0.78	-2.2%	
PCB-194 22'33'44'55'-OcCB	45.18	2.13E+05	1.00 Y	0.87	0.86	-1.6%	
PCB-205 233'44'55'6'-OcCB	45.58	2.69E+05	0.88 Y	1.09	1.09	0.2%	
PCB-208 22'33'455'66'-NoCB	43.04	2.38E+05	0.77 Y	1.02	0.97	-4.5%	
PCB-207 22'33'44'566'-NoCB	43.82	2.45E+05	0.80 Y	1.06	1.00	-5.7%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.71E+05	0.79 Y	0.98	0.95	-2.9%	

AP Lab ID: CS0_120725_PCB_XC
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

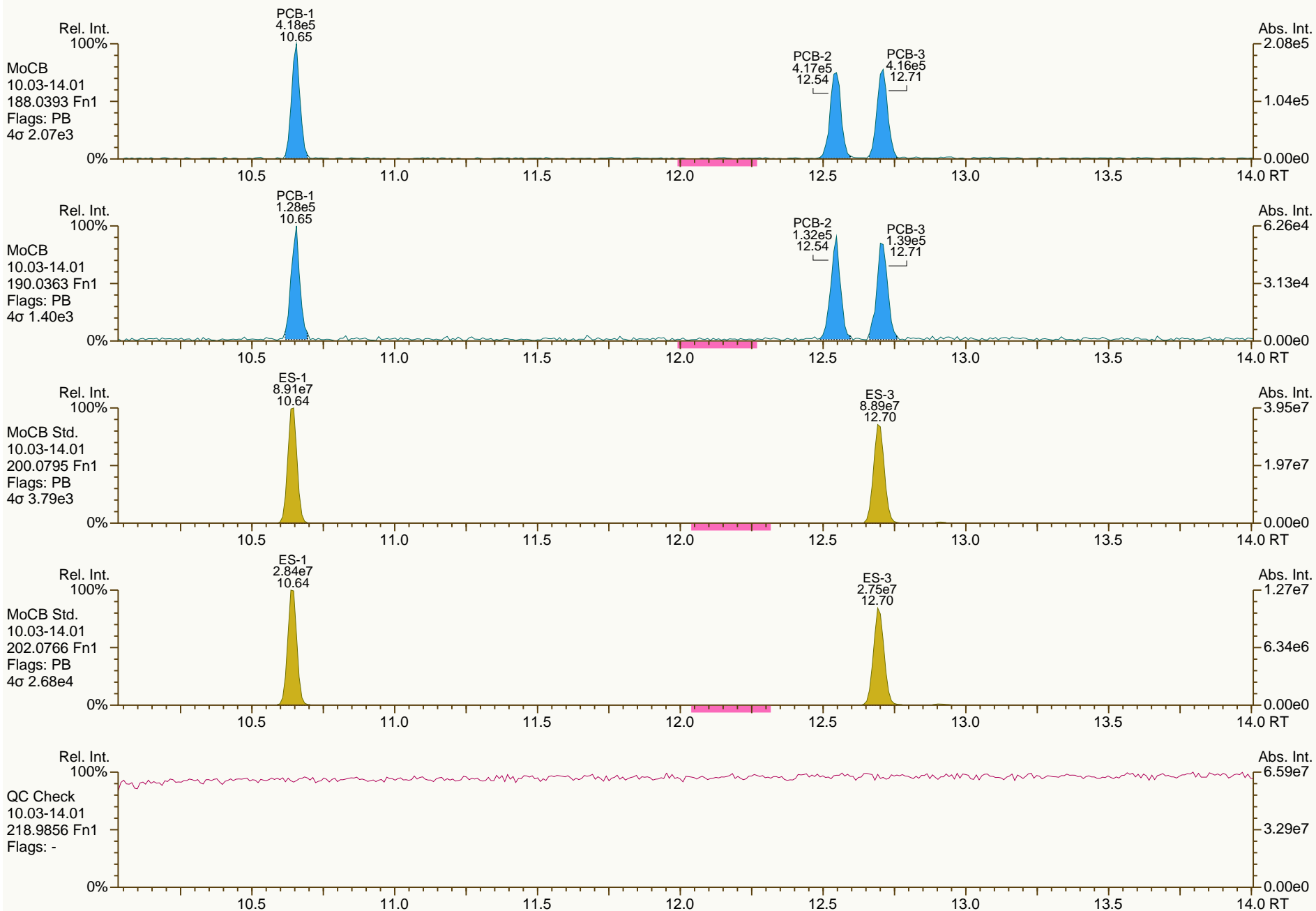
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

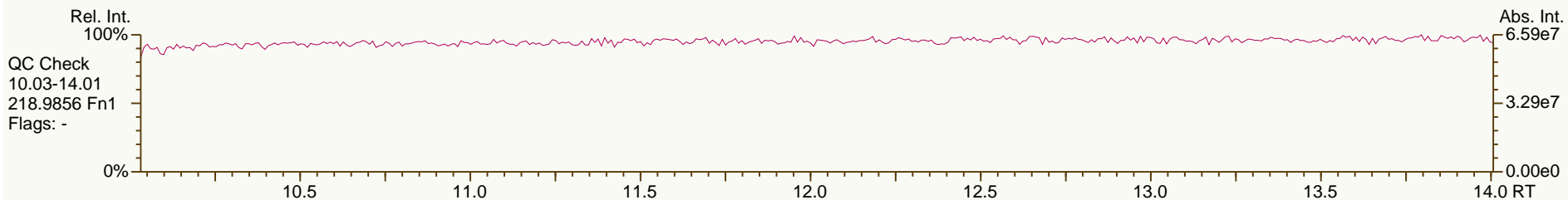
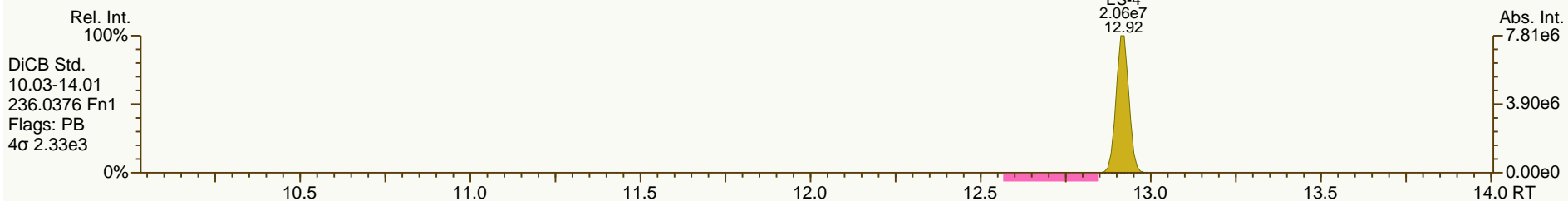
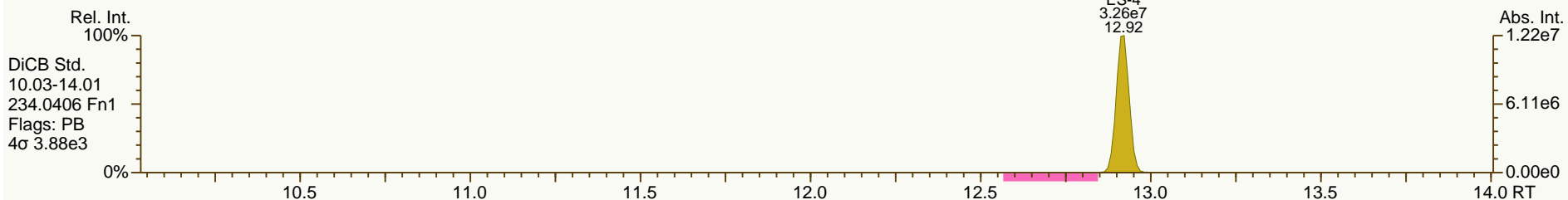
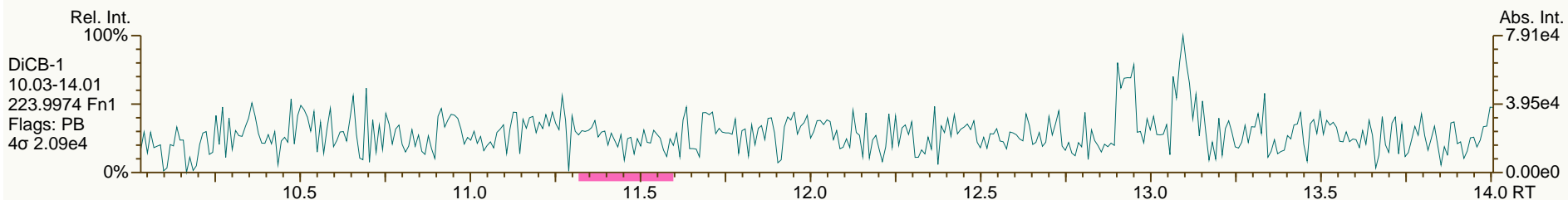
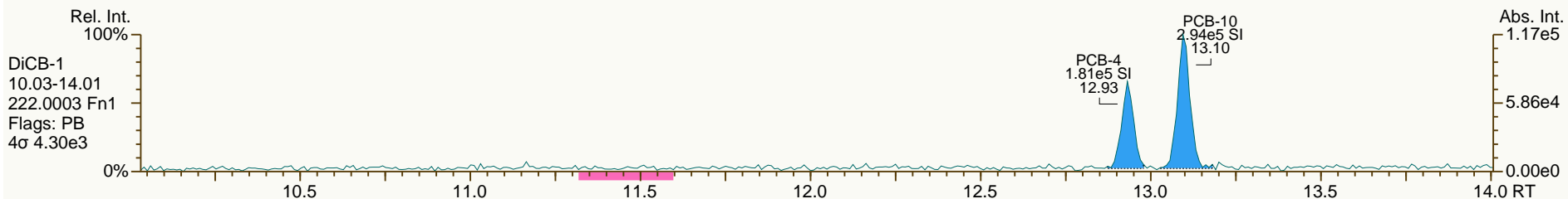
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

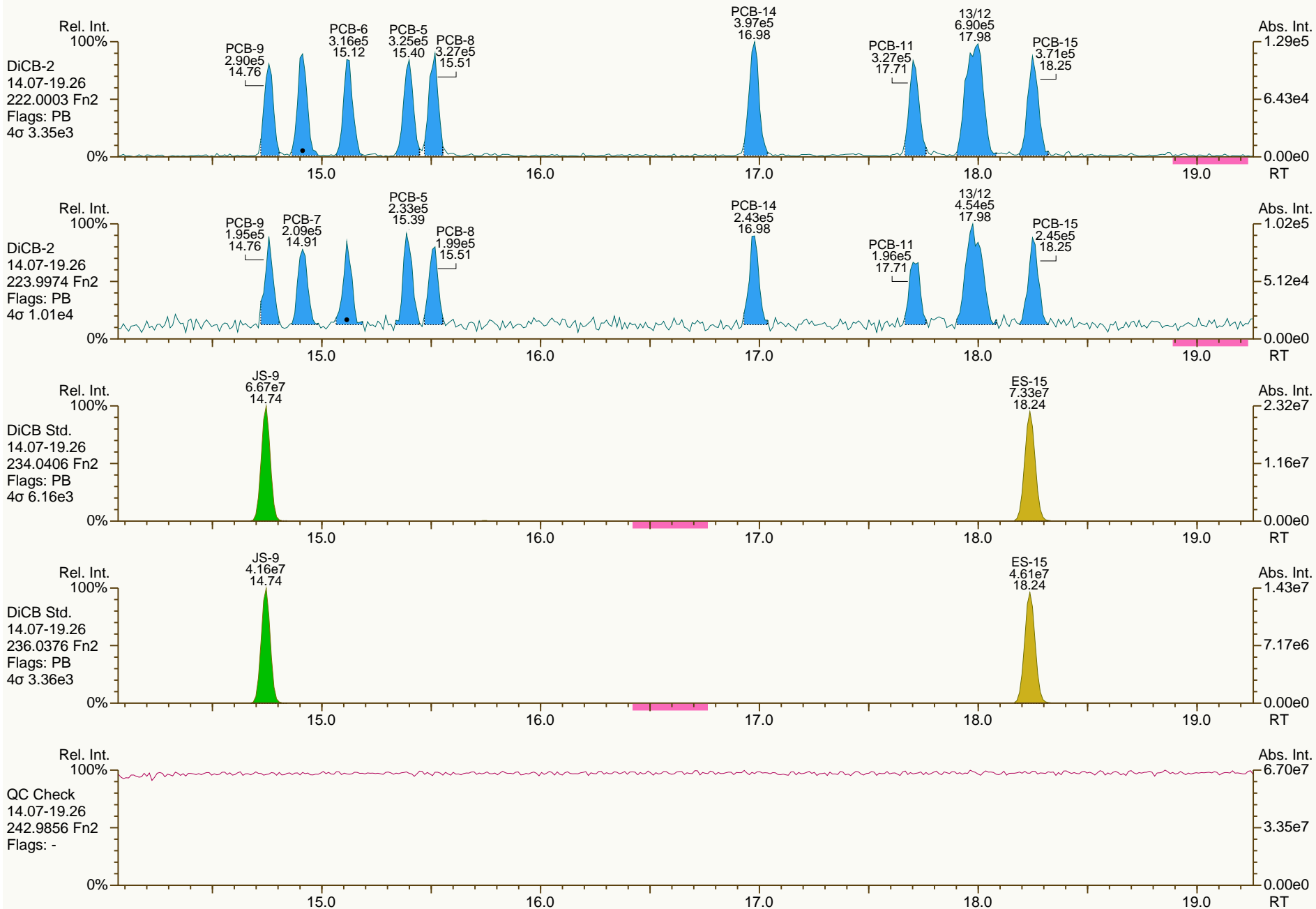
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

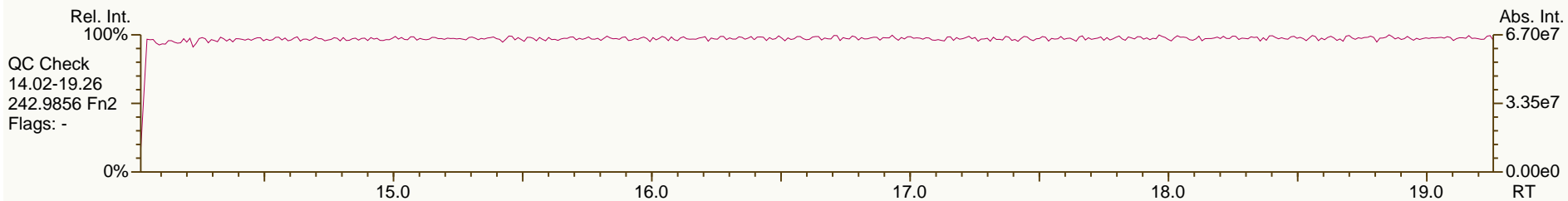
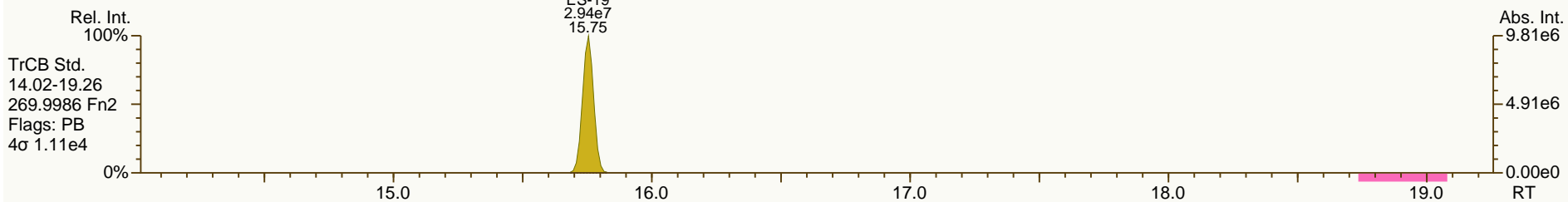
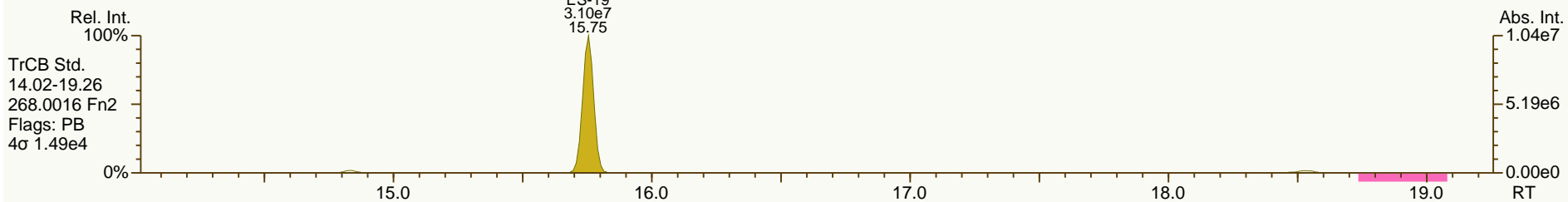
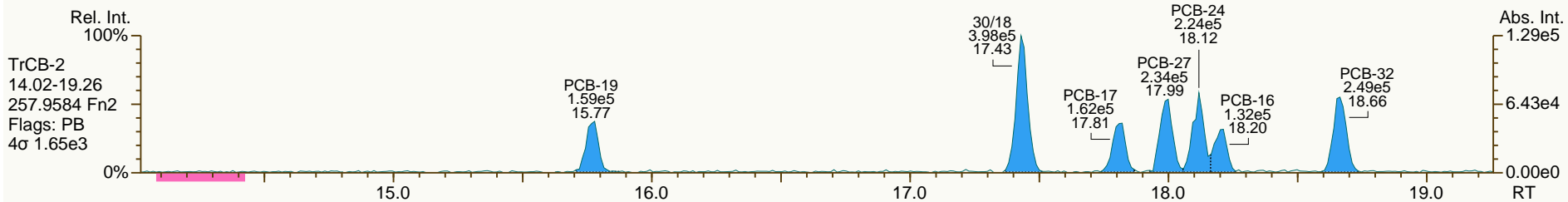
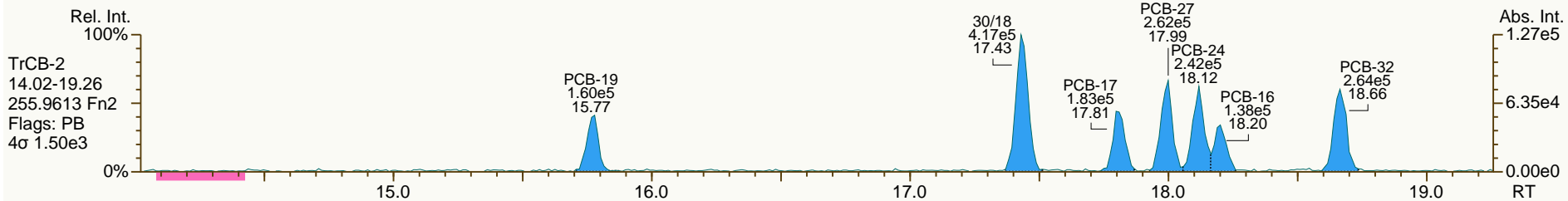
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

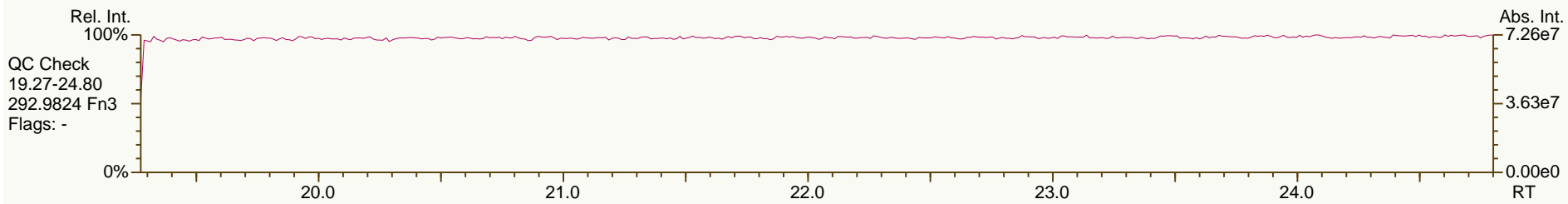
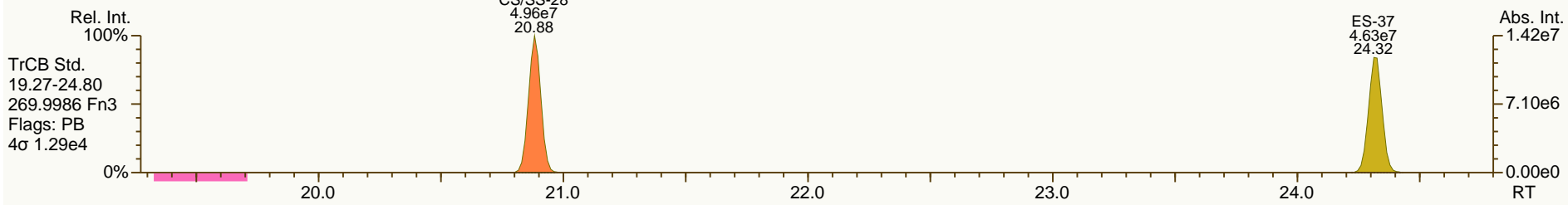
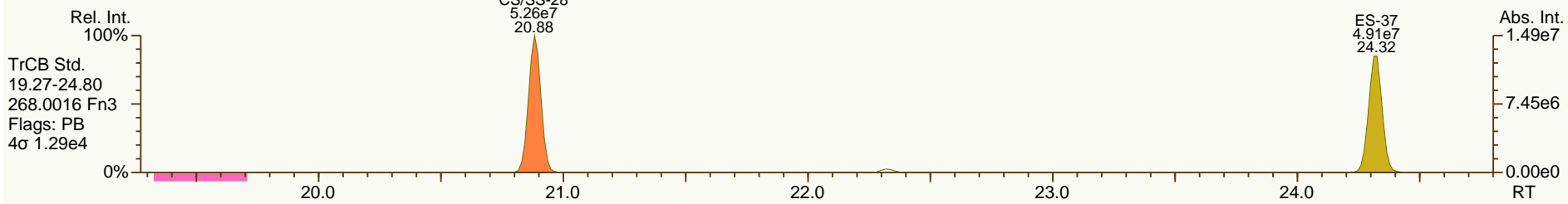
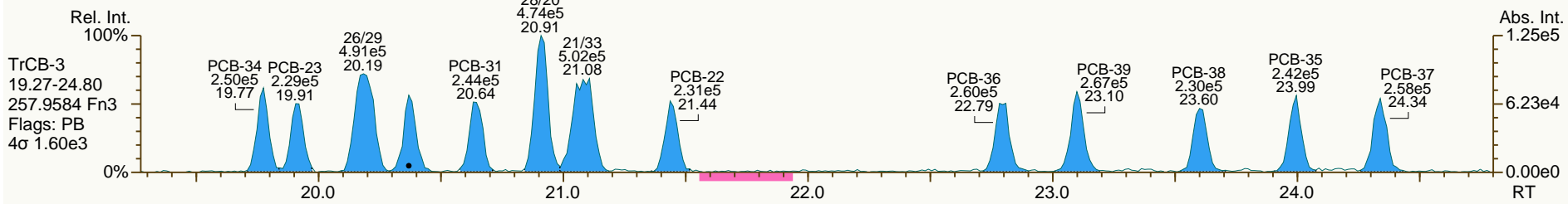
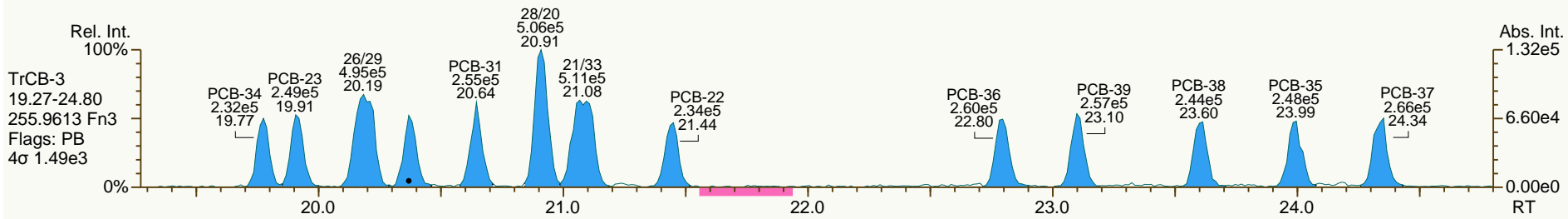
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AP Lab ID: CS0_120725_PCB_XC
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

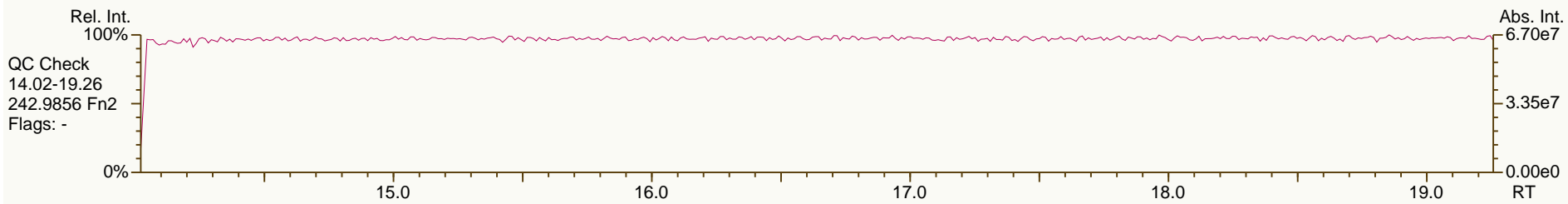
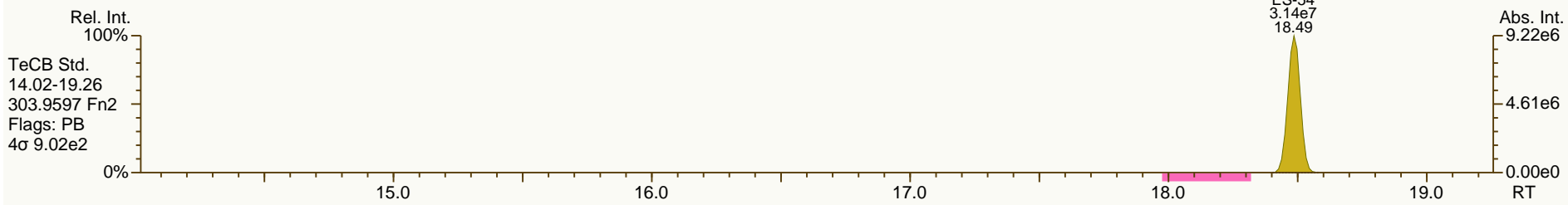
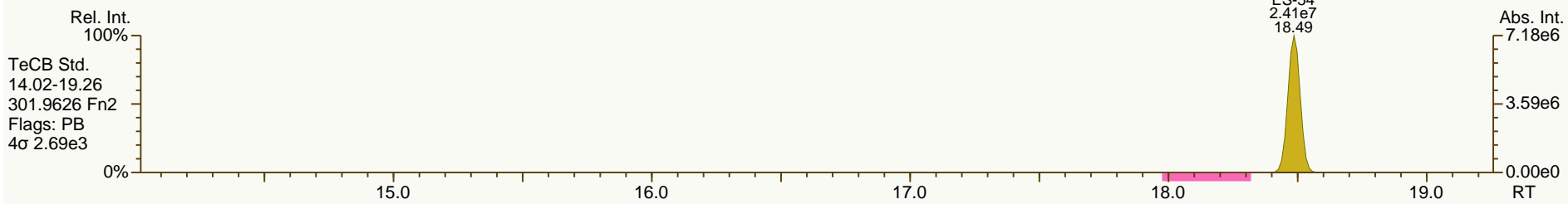
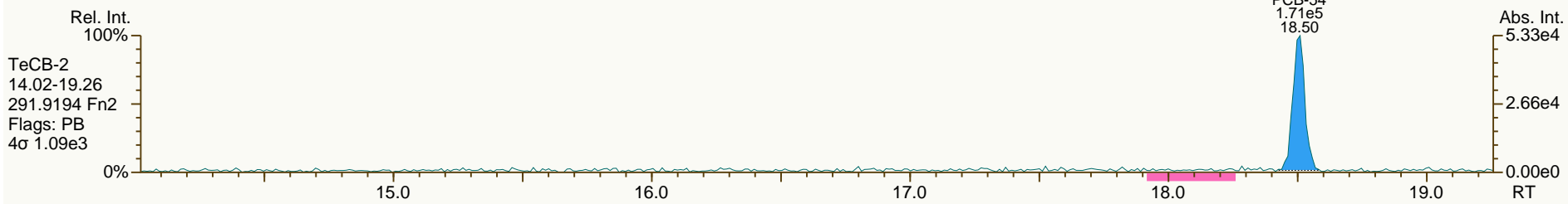
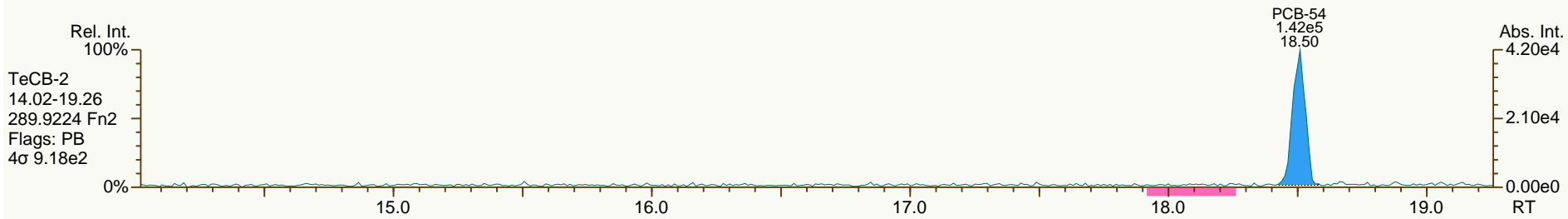
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

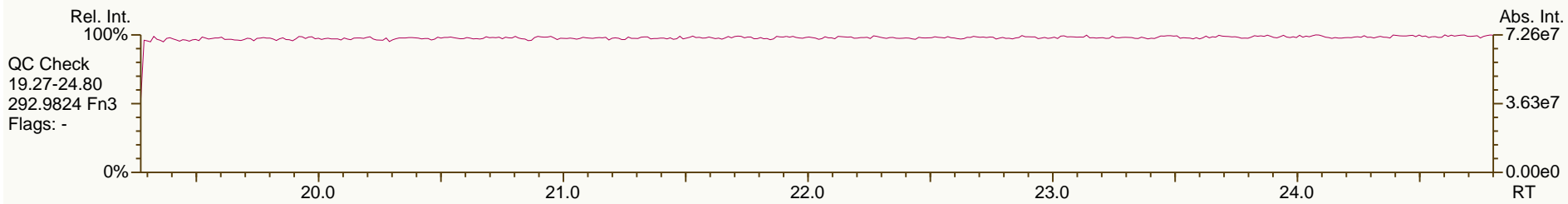
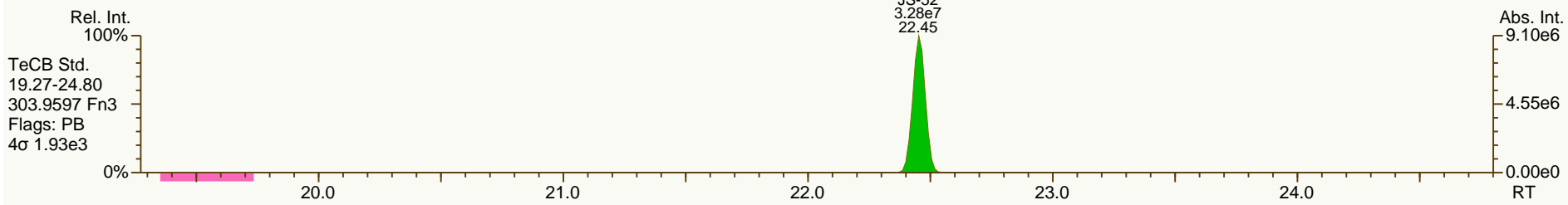
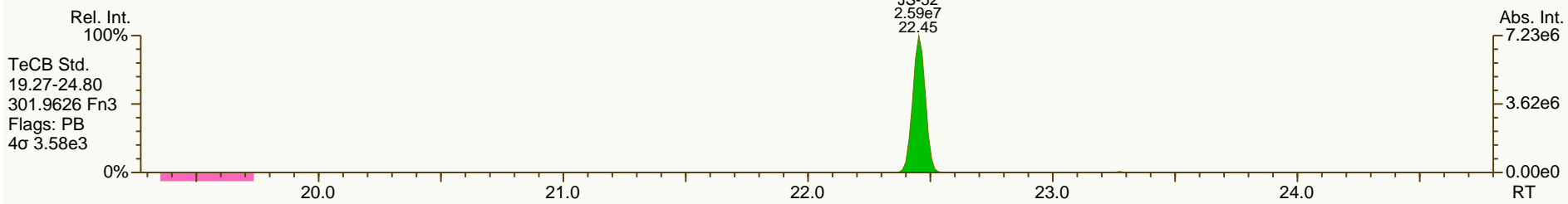
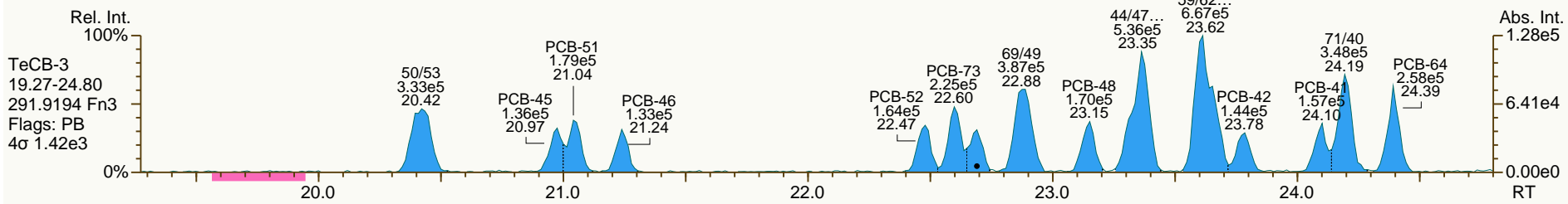
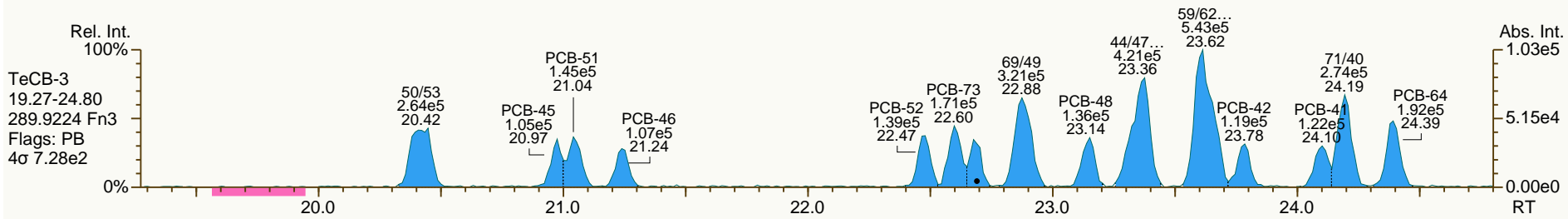
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

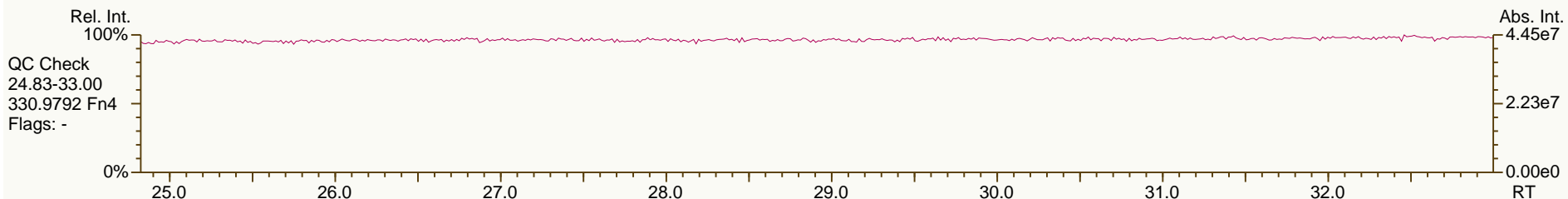
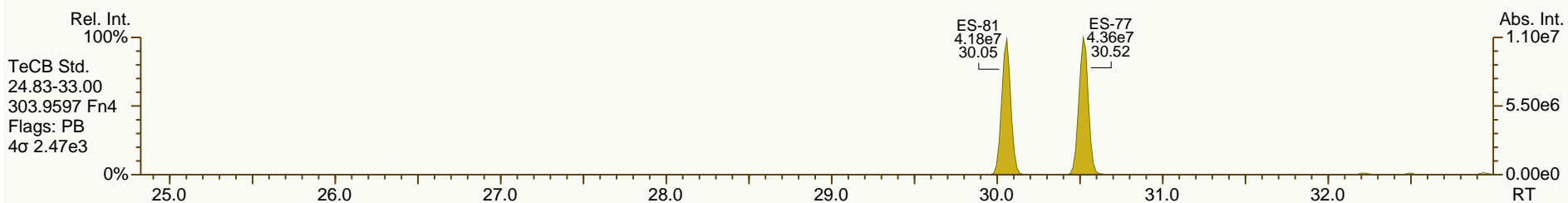
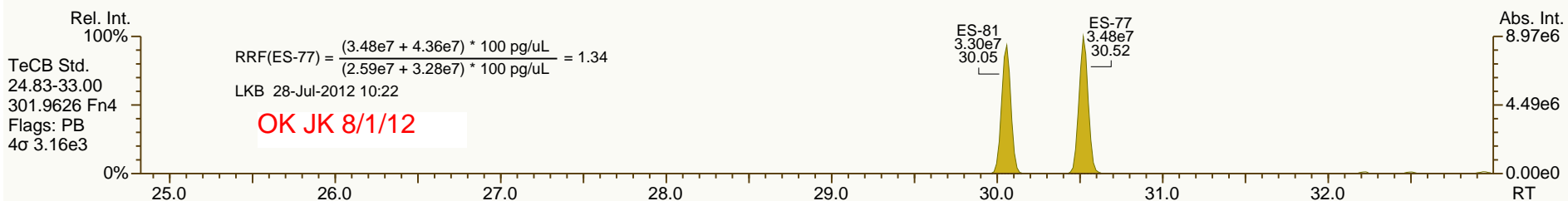
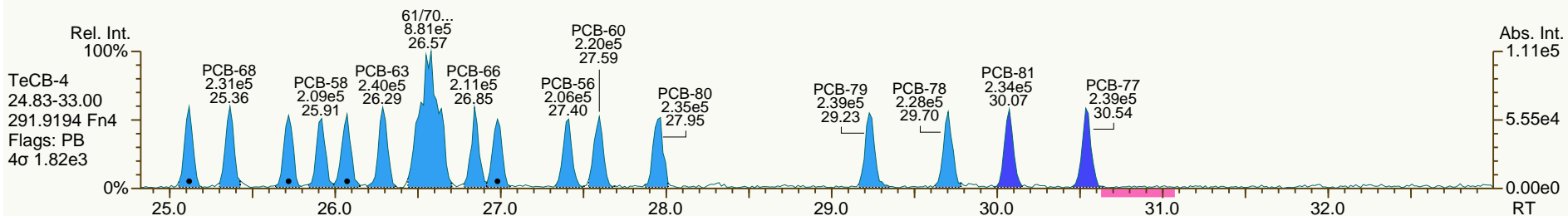
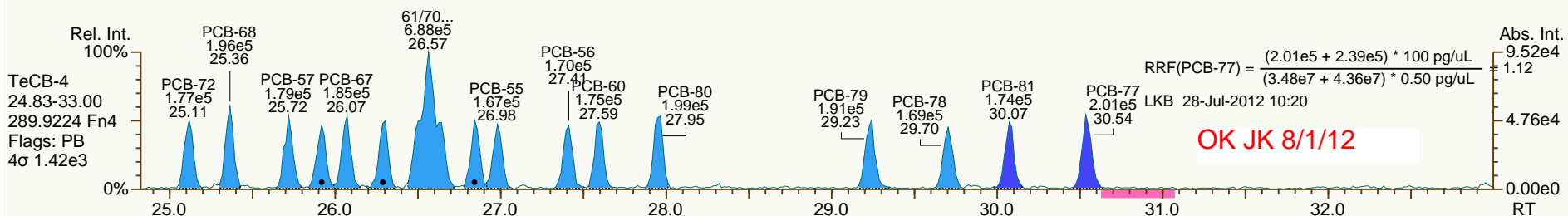
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

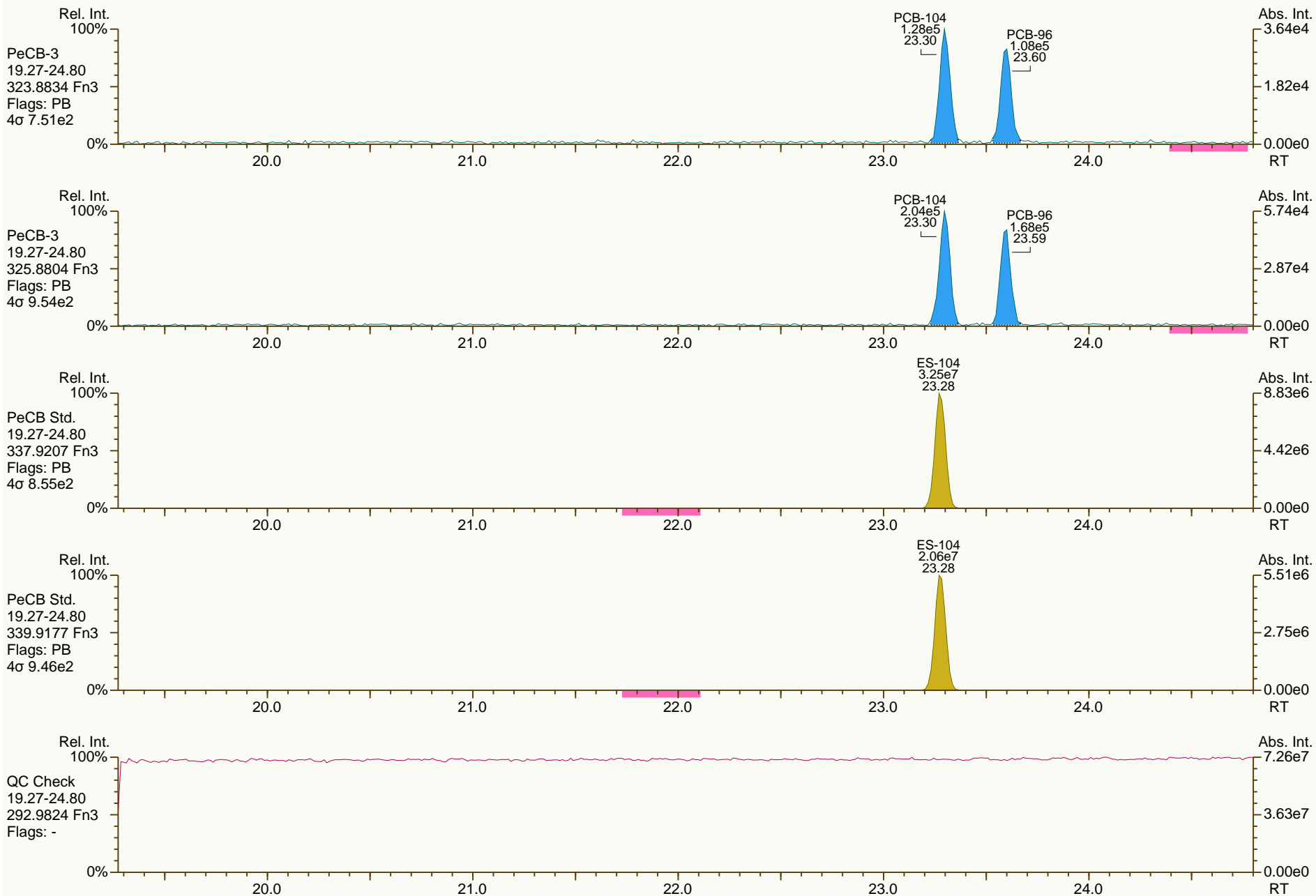
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

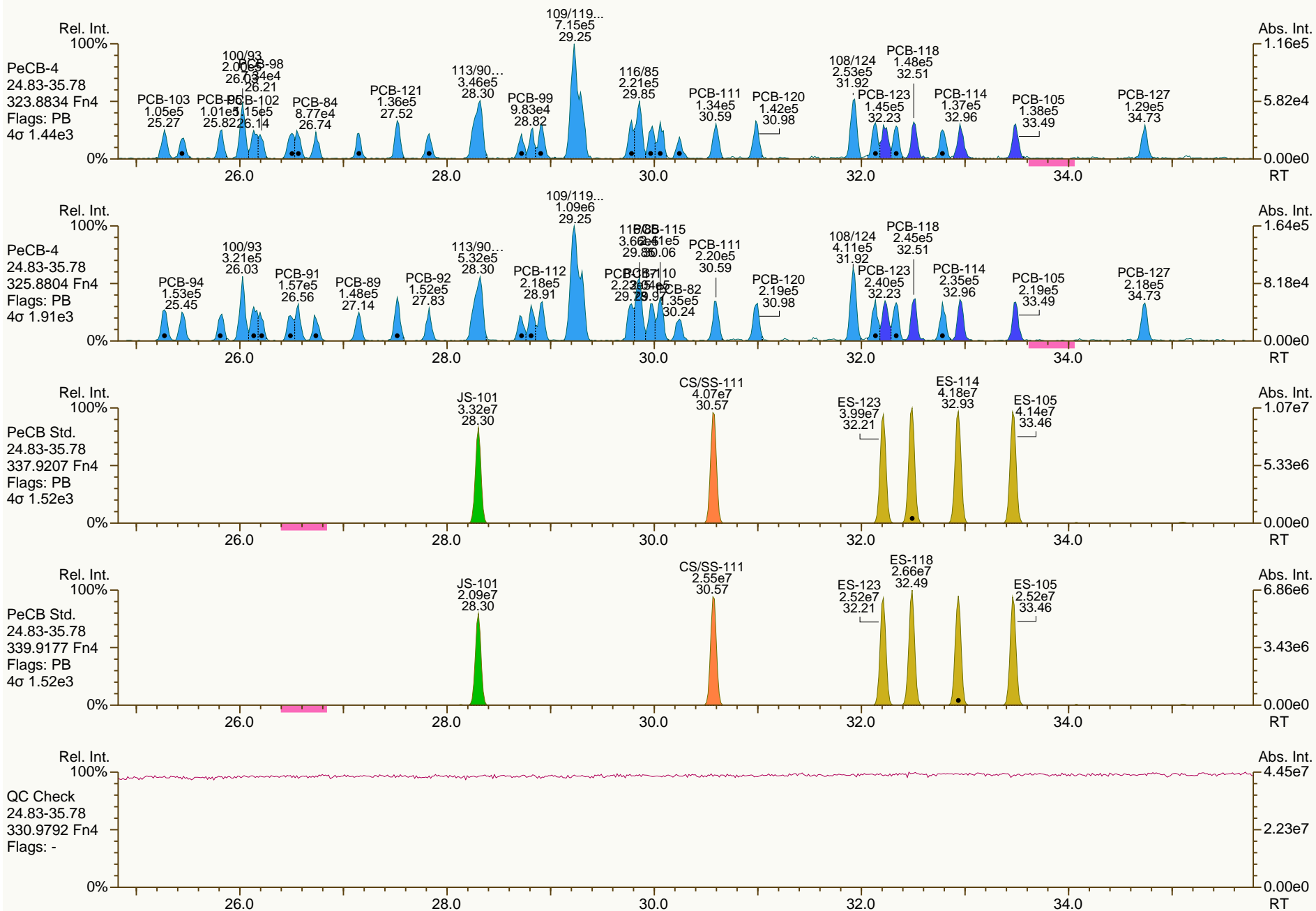
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

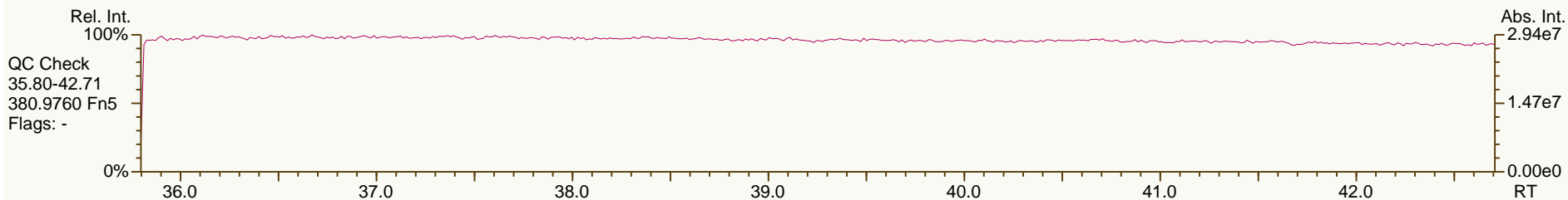
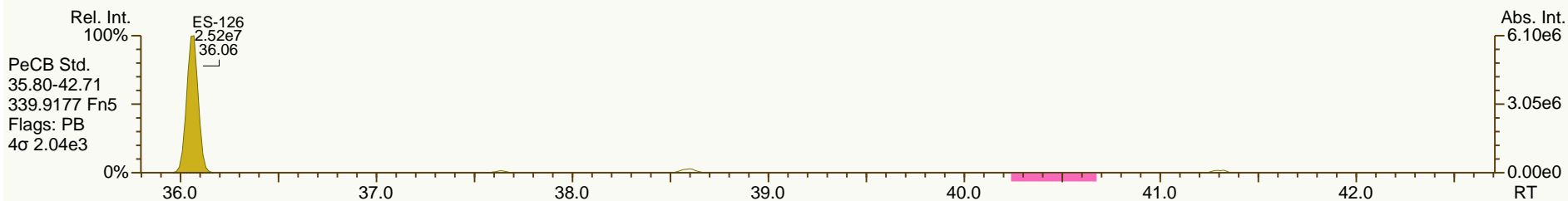
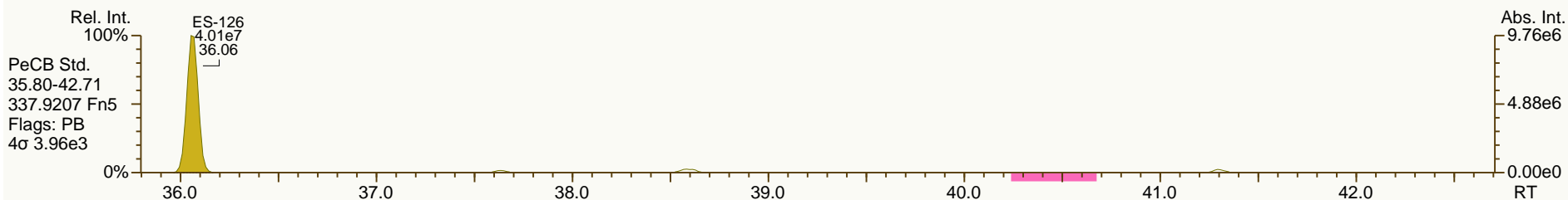
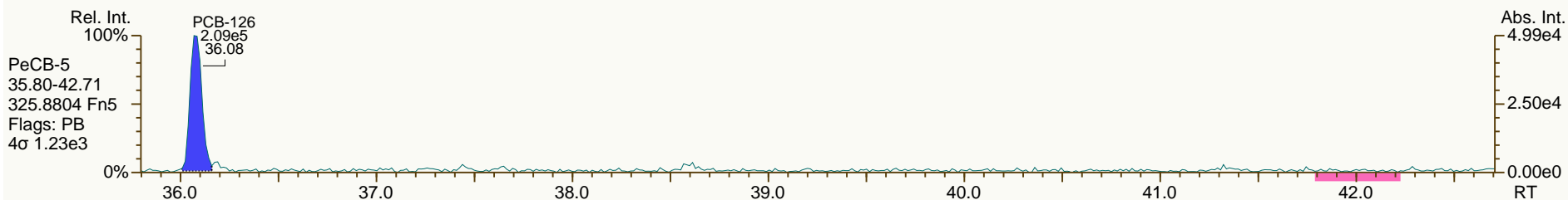
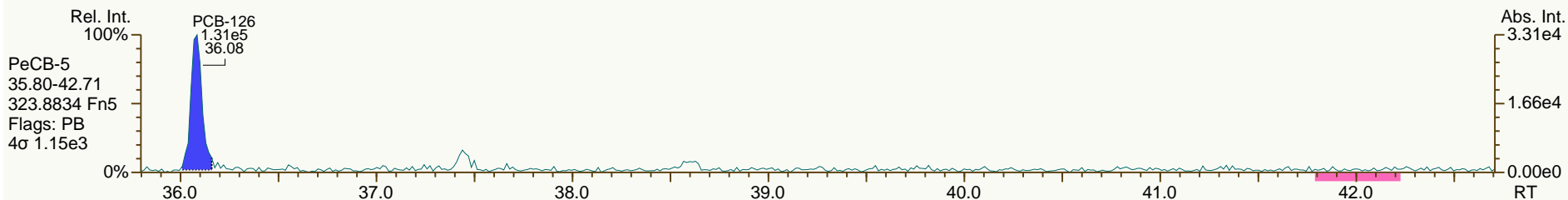
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AP Lab ID: CS0_120725_PCB_XC
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

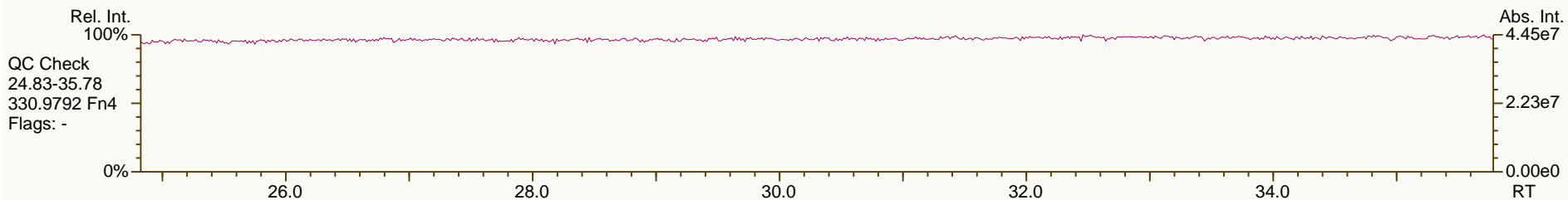
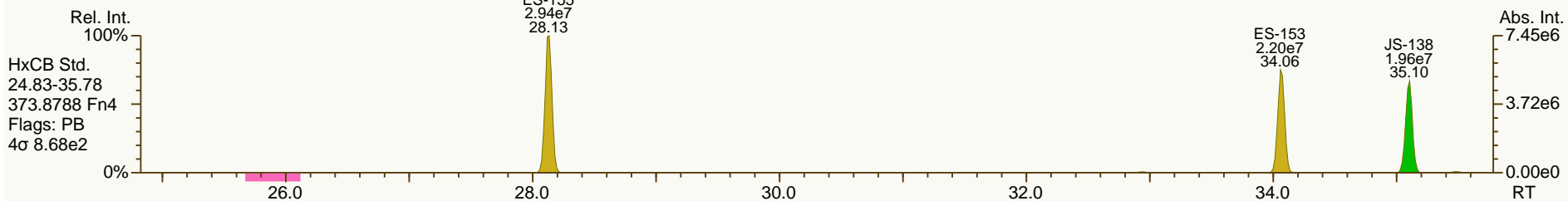
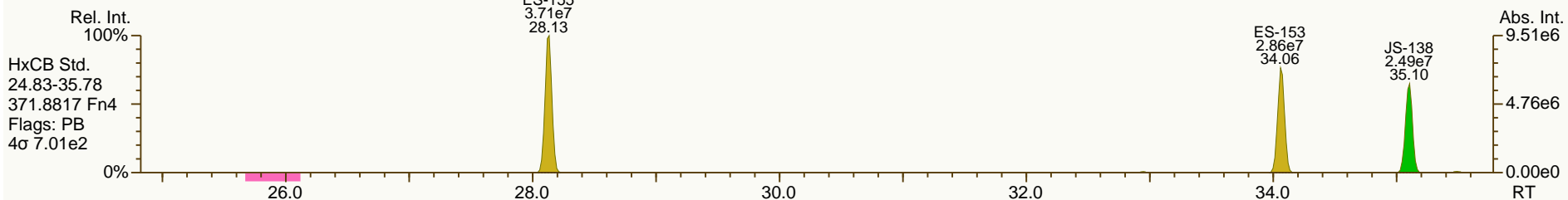
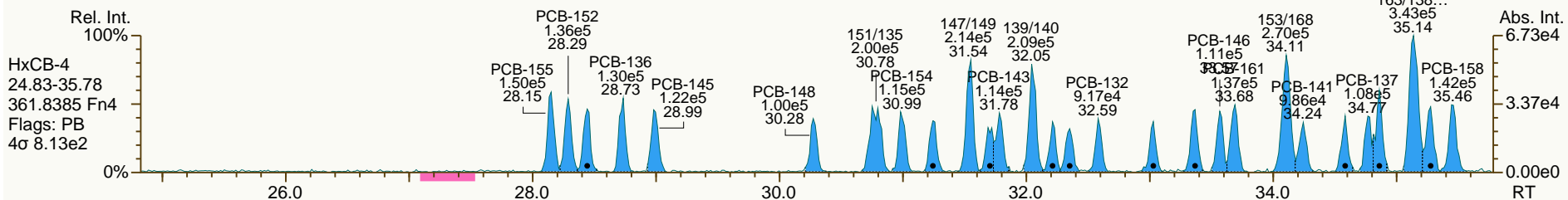
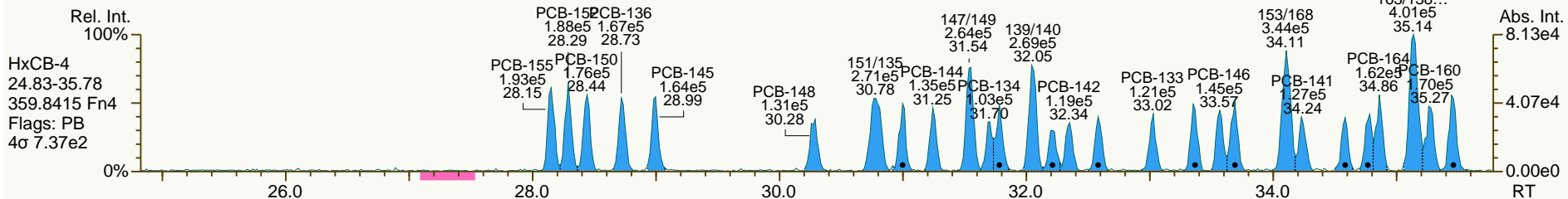
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

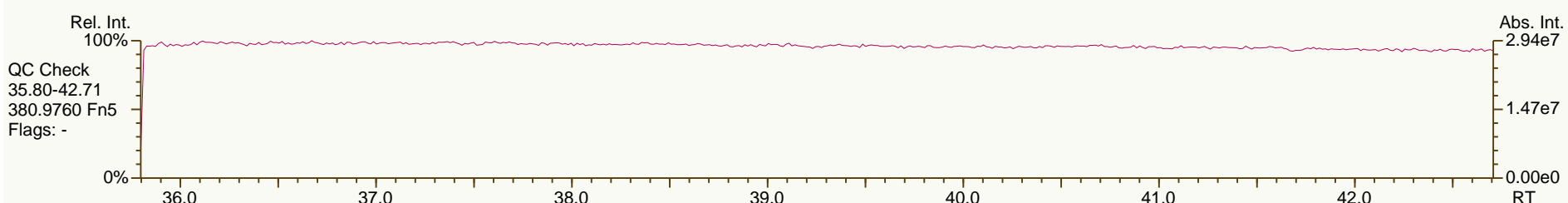
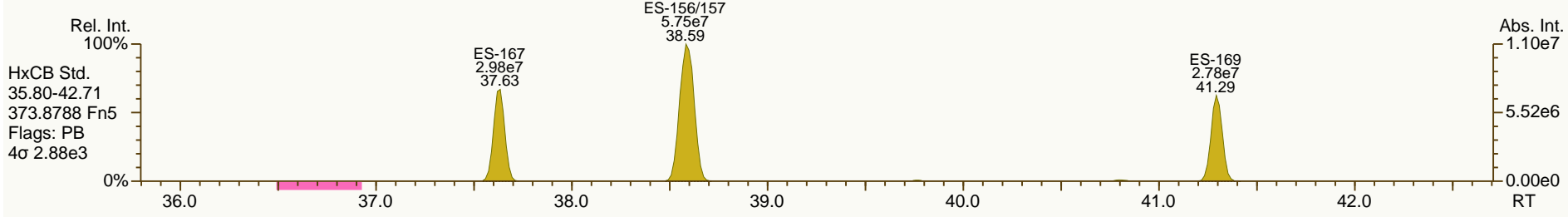
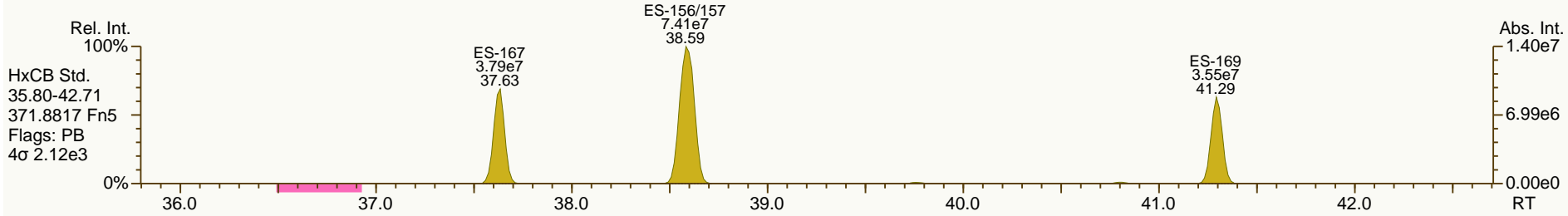
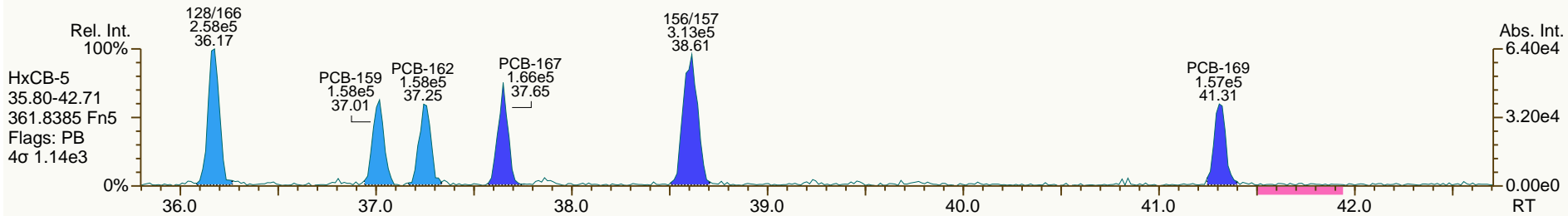
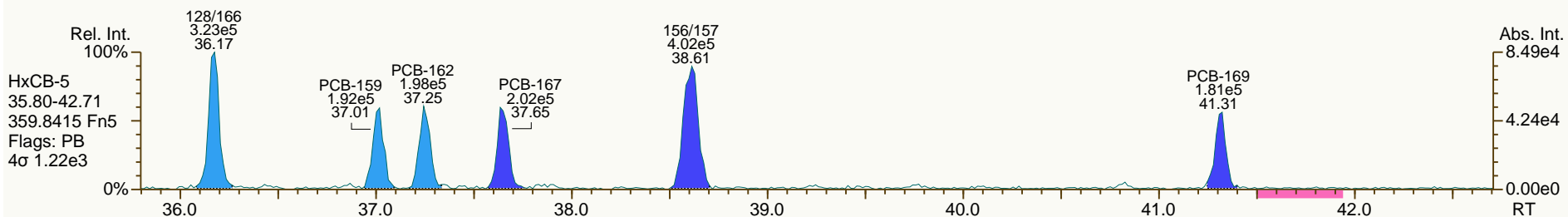
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

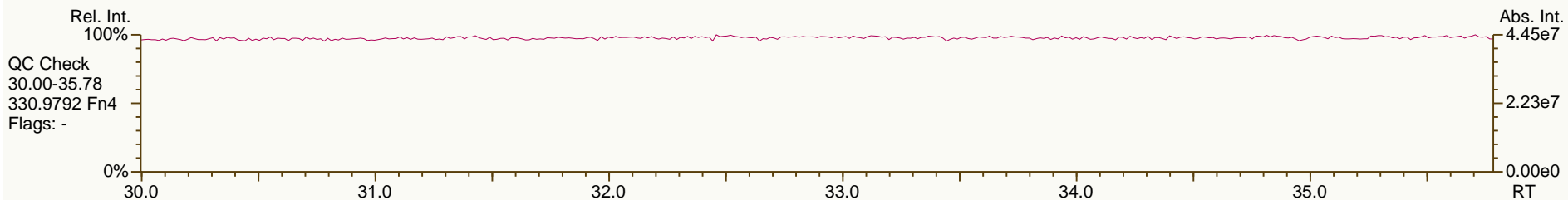
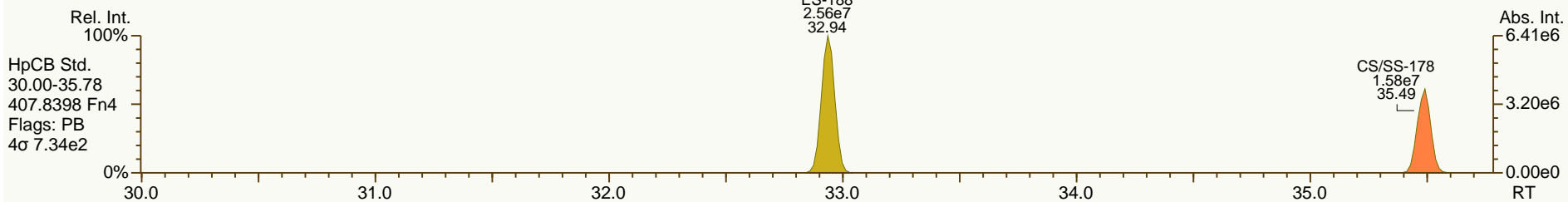
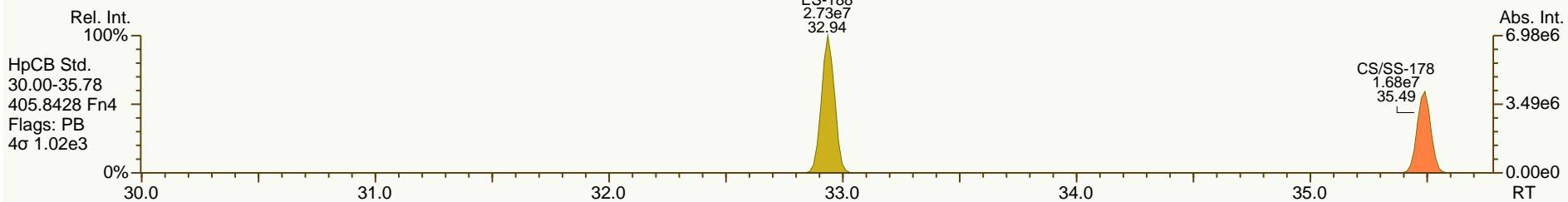
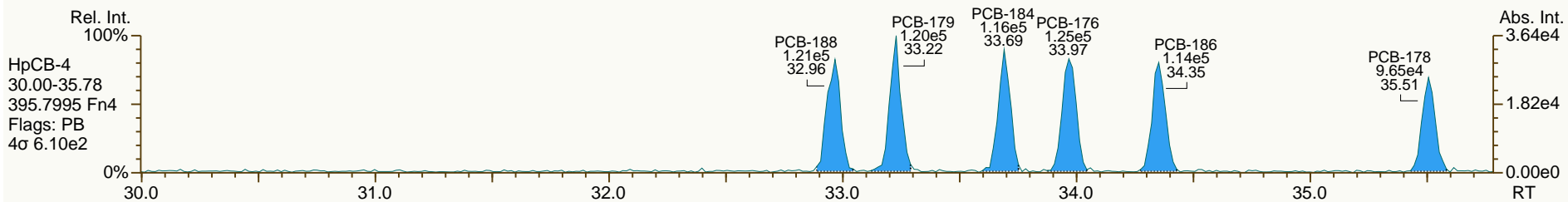
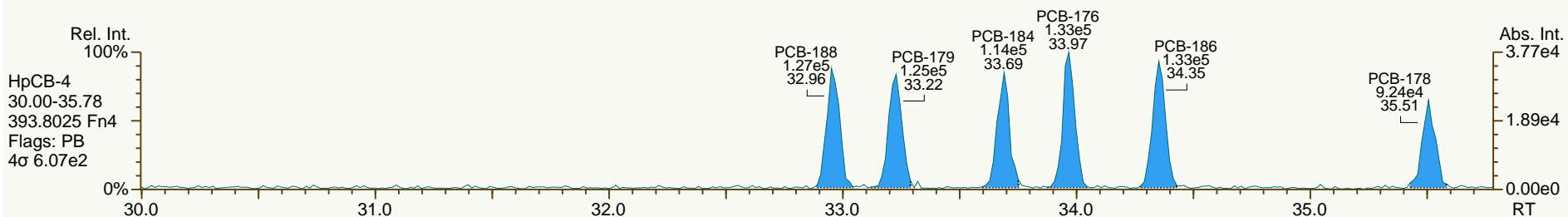
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

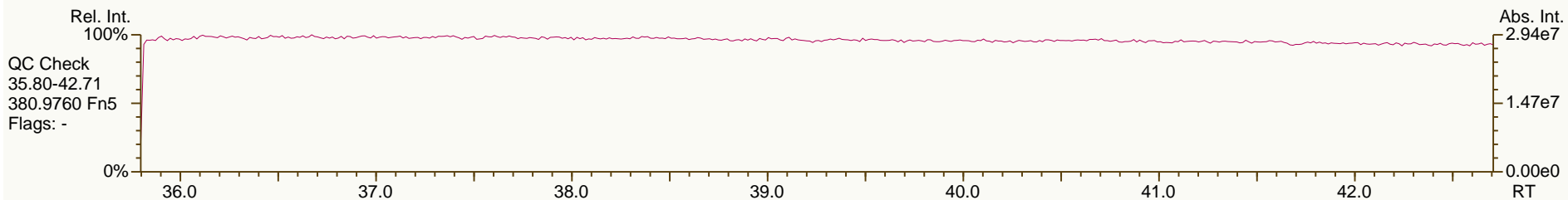
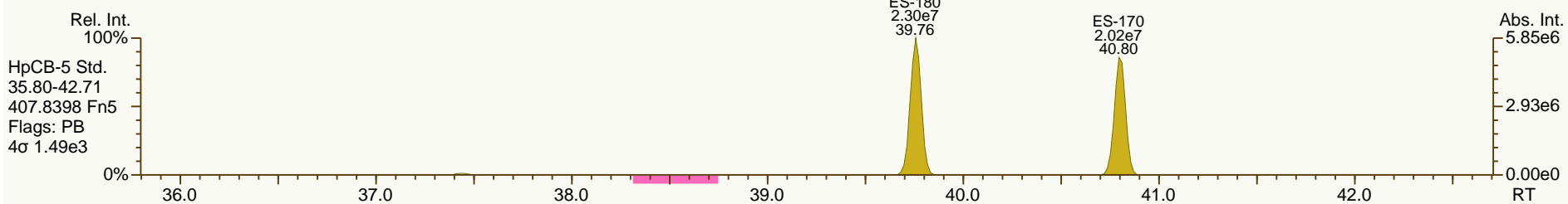
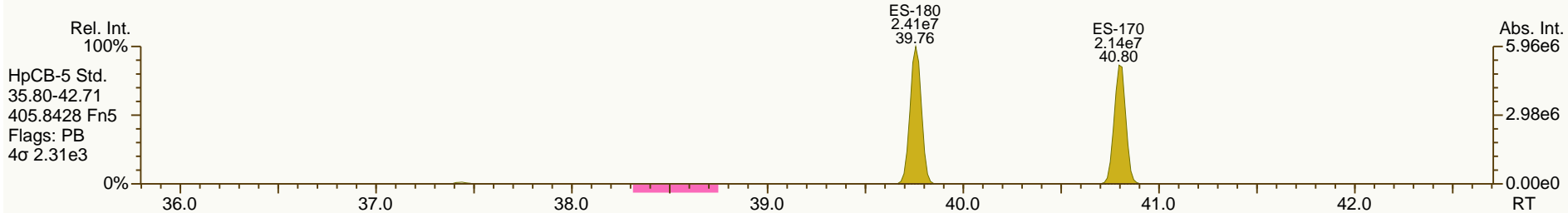
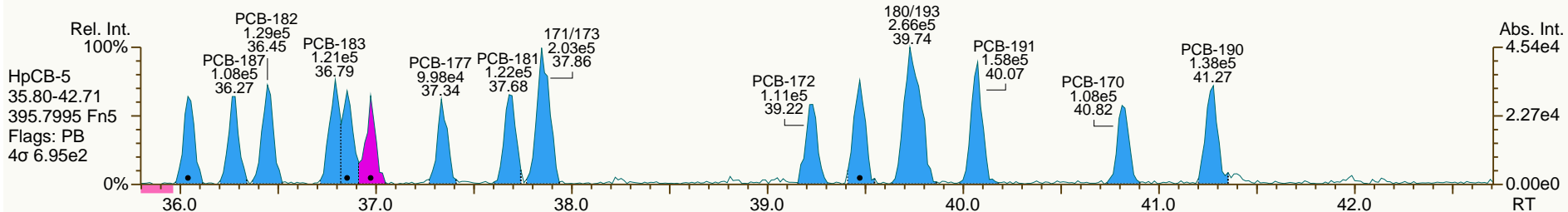
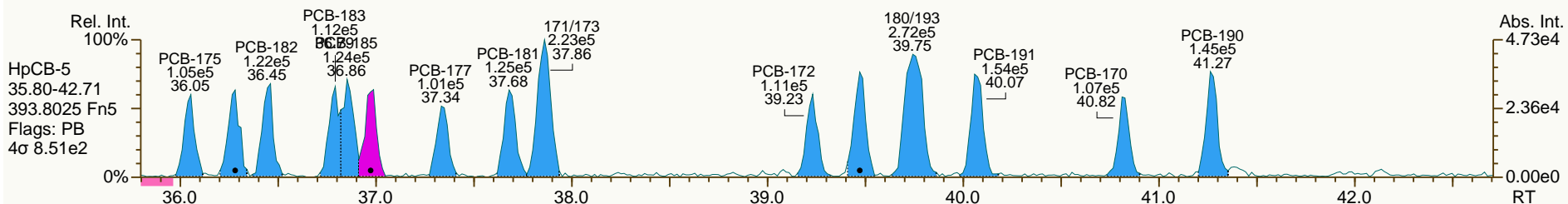
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

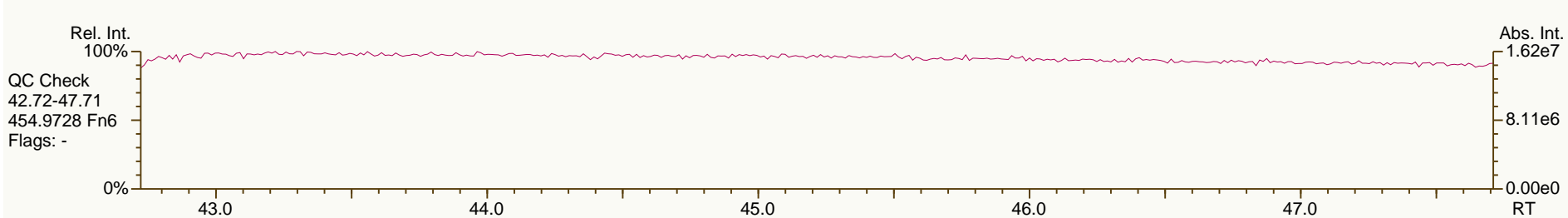
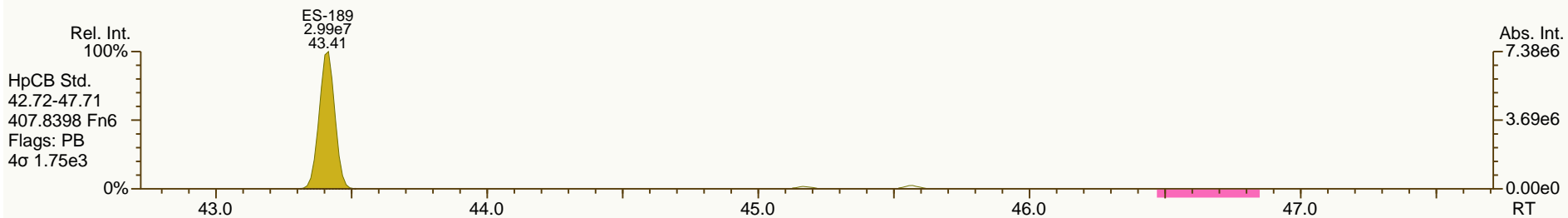
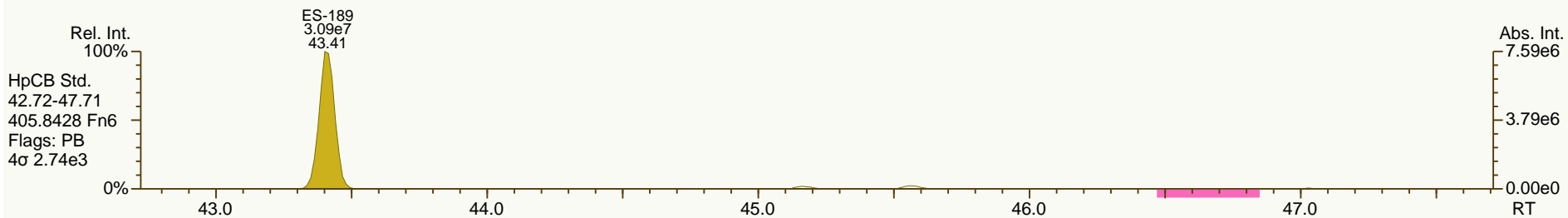
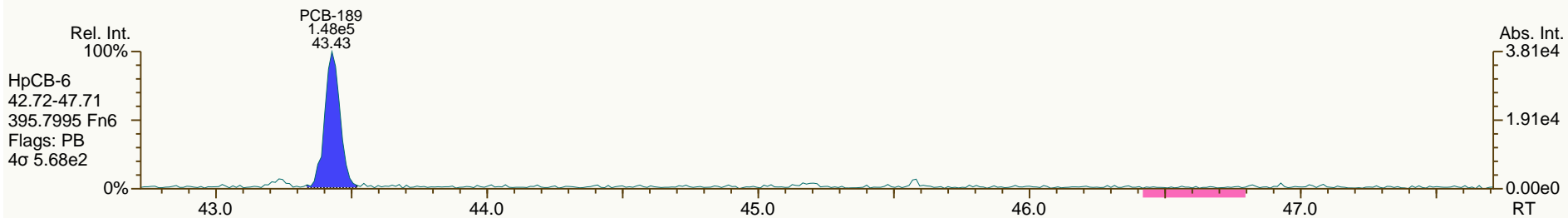
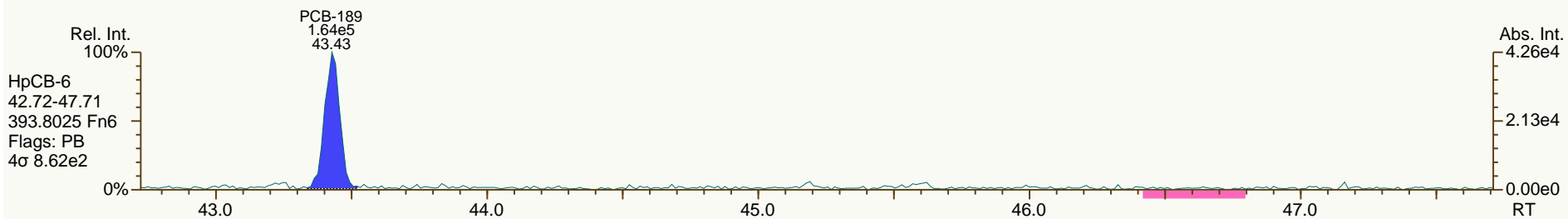
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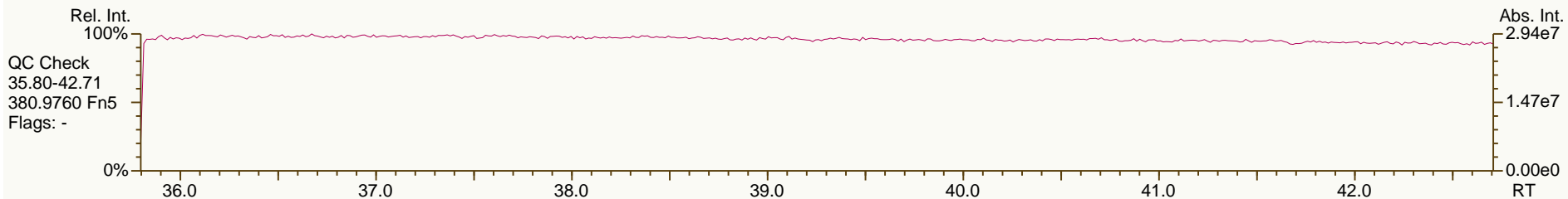
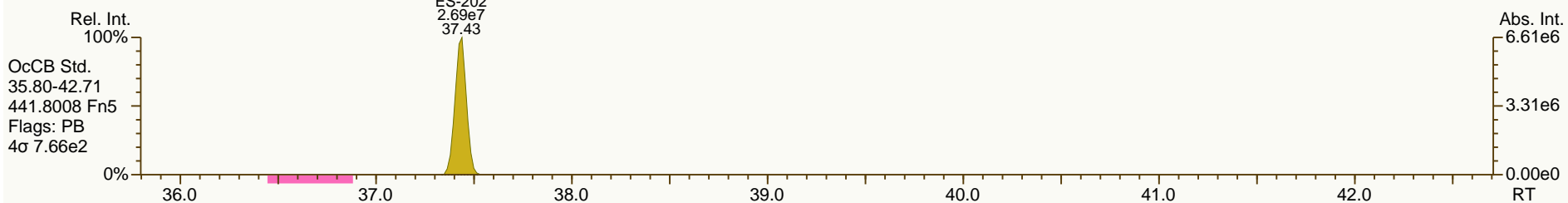
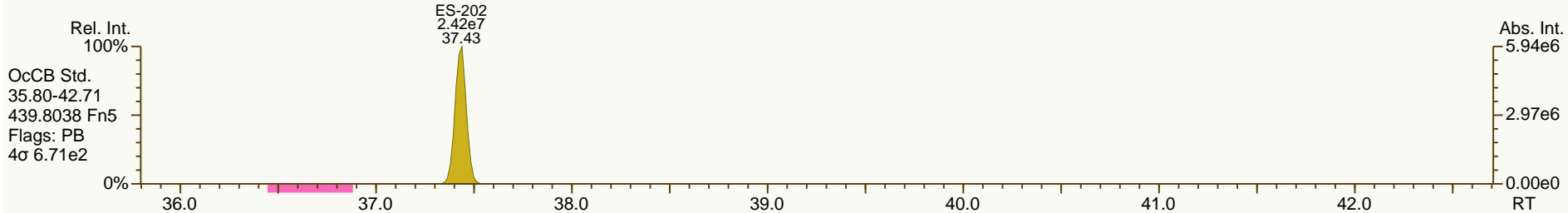
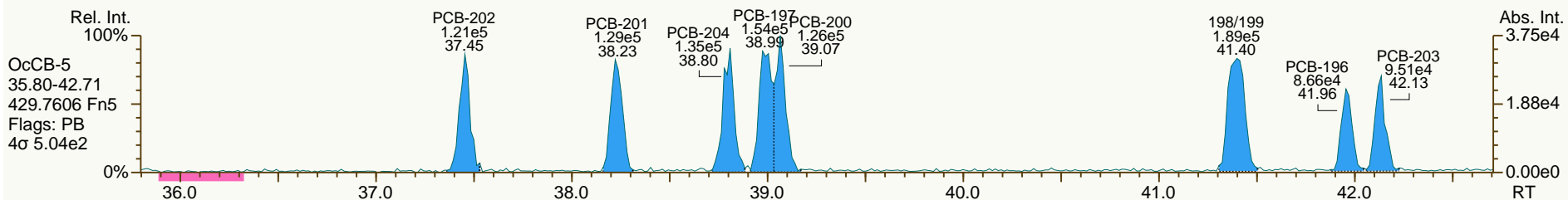
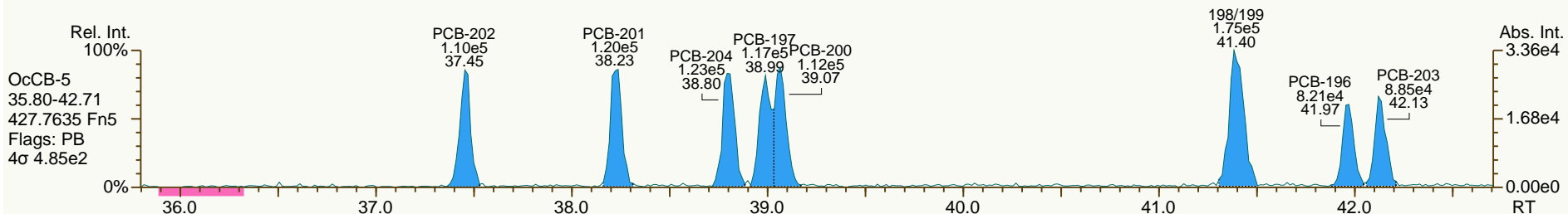
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

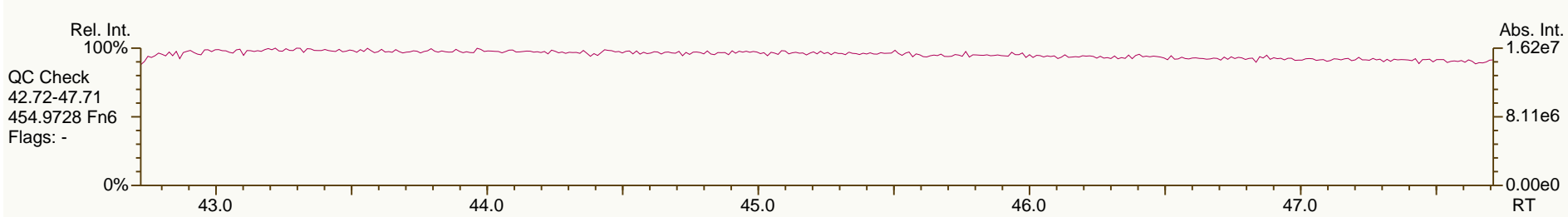
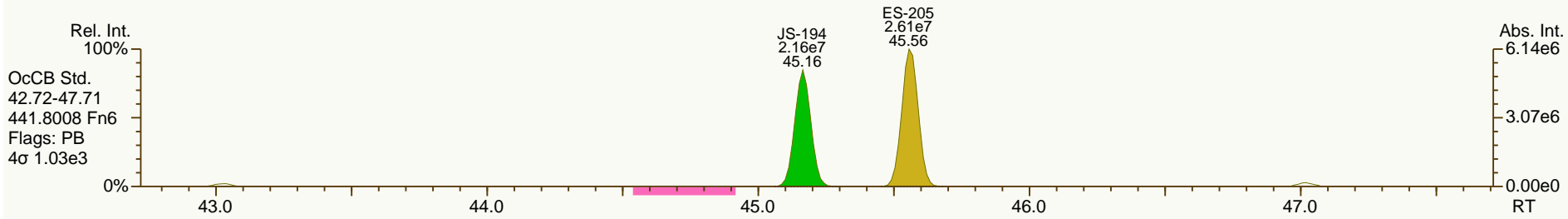
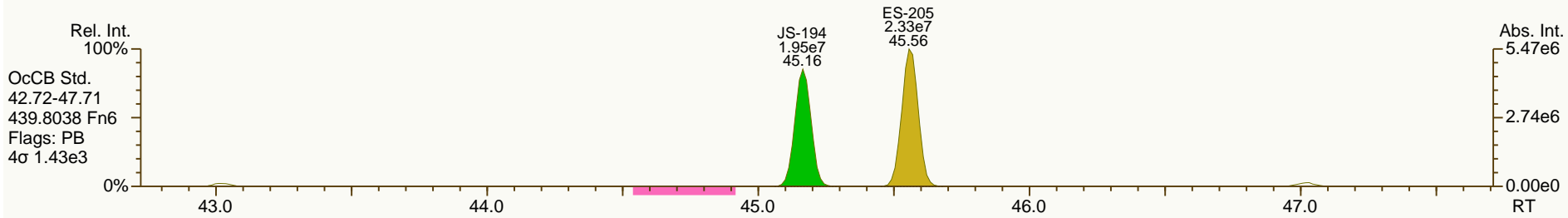
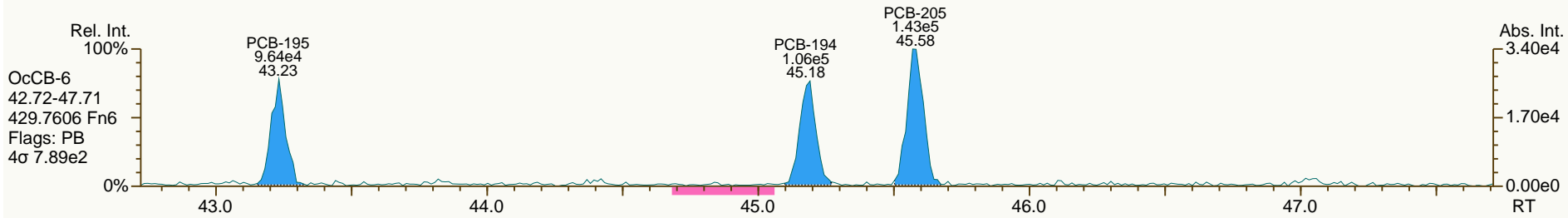
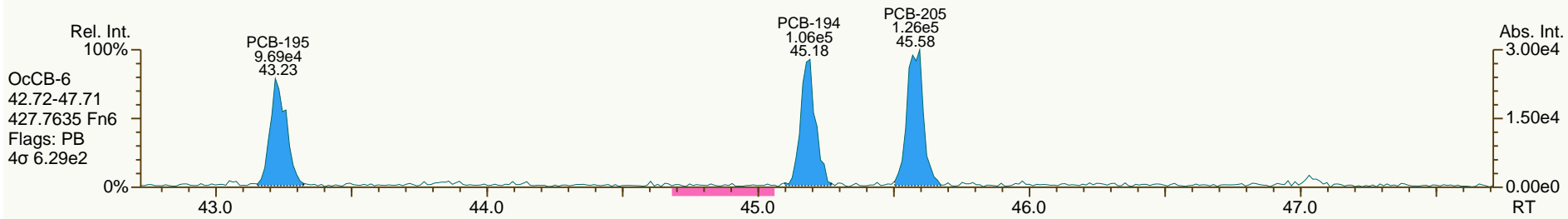
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 26-Jul-2012 02:56:49
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
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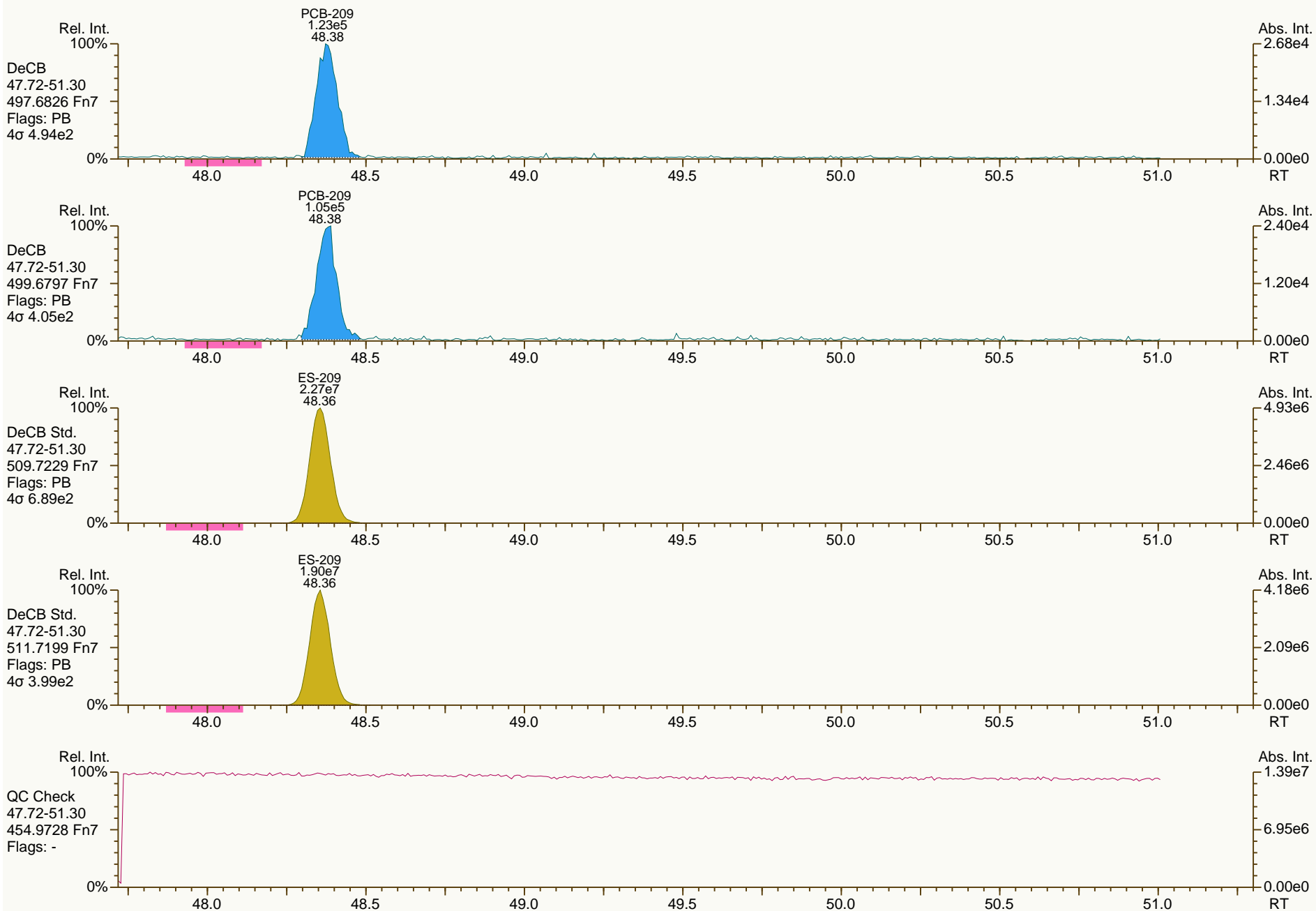
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AP Lab ID: CS0_120725_PCB_XC
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 50

Acq: 26-Jul-2012 02:56:49
 User: LKB Datafile: 120725X15



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	8.27E+05	0.81 Y	1.13	1.06	-6.8%	
PCB-81 344'5'-TeCB	30.07	7.70E+05	0.76 Y	1.13	1.03	-8.6%	
PCB-105 233'44'-PeCB	33.49	6.67E+05	0.63 Y	1.09	1.01	-8.1%	
PCB-114 2344'5'-PeCB	32.96	7.33E+05	0.62 Y	1.16	1.10	-5.6%	
PCB-118 23'44'5'-PeCB	32.51	7.22E+05	0.63 Y	1.11	1.05	-4.7%	
PCB-123 2'344'5'-PeCB	32.23	7.33E+05	0.62 Y	1.19	1.12	-6.0%	
PCB-126 33'44'5'-PeCB	36.08	6.20E+05	0.60 Y	1.06	0.98	-7.7%	
PCB-156/157 233'44'5'/233'44'5'	38.61	1.37E+06	1.22 Y	1.11	1.07	-3.1%	
PCB-167 23'44'55'-HxCB	37.65	7.15E+05	1.16 Y	1.14	1.07	-5.4%	
PCB-169 33'44'55'-HxCB	41.31	6.50E+05	1.24 Y	1.11	1.05	-5.4%	
PCB-189 233'44'55'-HpCB	43.42	5.97E+05	1.08 Y	1.06	1.00	-5.3%	
PCB-209 DeCB	48.37	4.29E+05	1.17 Y	1.07	1.06	-1.3%	
ES PCB-1	10.64	1.16E+08	3.19 Y	1.08	1.09	1.0%	
ES PCB-3	12.70	1.17E+08	3.25 Y	1.08	1.09	1.1%	
ES PCB-4	12.92	5.24E+07	1.62 Y	0.49	0.49	0.7%	
ES PCB-15	18.24	1.18E+08	1.59 Y	1.11	1.11	-0.3%	
ES PCB-19	15.75	5.95E+07	1.05 Y	0.55	0.56	0.8%	
ES PCB-37	24.32	9.40E+07	1.06 Y	1.64	1.62	-1.2%	
ES PCB-54	18.49	5.51E+07	0.76 Y	0.94	0.95	0.8%	
ES PCB-77	30.52	7.83E+07	0.78 Y	1.35	1.35	0.0%	
ES PCB-81	30.05	7.48E+07	0.79 Y	1.29	1.29	-0.1%	
ES PCB-104	23.28	5.35E+07	1.57 Y	0.99	1.01	1.5%	
ES PCB-105	33.46	6.63E+07	1.62 Y	1.23	1.25	1.3%	
ES PCB-114	32.93	6.70E+07	1.60 Y	1.25	1.26	1.1%	
ES PCB-118	32.49	6.85E+07	1.62 Y	1.28	1.29	0.7%	
ES PCB-123	32.21	6.57E+07	1.60 Y	1.22	1.24	1.6%	
ES PCB-126	36.06	6.33E+07	1.55 Y	1.20	1.19	-0.6%	
ES PCB-153	34.06	5.10E+07	1.28 Y	1.14	1.15	1.0%	
ES PCB-155	28.13	6.59E+07	1.30 Y	1.50	1.49	-0.3%	
ES PCB-156/157	38.59	1.28E+08	1.28 Y	1.45	1.45	-0.5%	
ES PCB-167	37.63	6.65E+07	1.28 Y	1.49	1.50	0.7%	
ES PCB-169	41.29	6.18E+07	1.28 Y	1.40	1.40	-0.5%	
ES PCB-170	40.80	4.04E+07	1.06 Y	1.00	0.99	-1.1%	
ES PCB-180	39.76	4.65E+07	1.06 Y	1.16	1.14	-1.7%	
ES PCB-188	32.94	5.19E+07	1.07 Y	1.18	1.17	-0.3%	
ES PCB-189	43.41	5.97E+07	1.04 Y	1.49	1.46	-1.6%	
ES PCB-202	37.43	5.04E+07	0.89 Y	1.14	1.14	0.3%	
ES PCB-205	45.56	4.86E+07	0.90 Y	1.20	1.19	-0.9%	
ES PCB-206	47.01	3.49E+07	0.78 Y	0.87	0.85	-1.7%	
ES PCB-208	43.01	4.79E+07	0.80 Y	1.19	1.17	-1.4%	
ES PCB-209	48.35	4.05E+07	1.18 Y	1.00	0.99	-1.0%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.02E+08	1.06 Y	1.07	1.09	1.3%	
SS PCB-111	30.57	6.52E+07	1.59 Y	1.01	0.99	-1.2%	
SS PCB-178	35.49	3.28E+07	1.07 Y	0.63	0.63	0.5%	
CS PCB-28	20.88	1.02E+08	1.06 Y	1.76	1.76	0.1%	
CS PCB-111	30.57	6.52E+07	1.59 Y	1.23	1.23	0.3%	
CS PCB-178	35.49	3.28E+07	1.07 Y	0.74	0.74	0.2%	
JS PCB-9	14.74	1.07E+08	1.59 Y	-	-	-	
JS PCB-52	22.45	5.82E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	5.31E+07	1.57 Y	-	-	-	
JS PCB-138	35.10	4.42E+07	1.29 Y	-	-	-	
JS PCB-194	45.16	4.08E+07	0.92 Y	-	-	-	
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%	
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%	
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%	
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%	
PCB-19 22'6'-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%	
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%	
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%	
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%	
PCB-153 22'44'55'-HxCB	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%	
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%	
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%	
PCB-180 22'344'55'-HpCB	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%	
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%	
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%	
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%	
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%	
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.65	1.11E+06	3.37 Y	1.03	0.95	-7.7%
PCB-2 3-MoCB	12.54	1.09E+06	3.11 Y	1.04	0.93	-10.5%
PCB-3 4-MoCB	12.71	1.12E+06	3.18 Y	1.04	0.96	-7.9%
PCB-4 22'-DiCB	12.93	5.71E+05	0.00 S	1.17	1.09	-6.7%
PCB-10 26-DiCB	13.10	8.68E+05	1.66 Y	1.83	1.66	-9.5%
PCB-9 25-DiCB	14.76	9.88E+05	1.58 Y	0.89	0.84	-6.4%
PCB-7 24-DiCB	14.91	1.14E+06	1.45 Y	1.02	0.97	-5.2%
PCB-6 23'-DiCB	15.12	1.02E+06	1.62 Y	0.95	0.87	-8.5%
PCB-5 23-DiCB	15.40	1.05E+06	1.58 Y	0.97	0.89	-8.3%
PCB-8 24'-DiCB	15.51	1.07E+06	1.55 Y	0.98	0.91	-7.9%
PCB-14 35-DiCB	16.98	1.28E+06	1.65 Y	1.16	1.09	-6.1%
PCB-11 33'-DiCB	17.71	1.12E+06	1.57 Y	1.00	0.95	-4.7%
PCB-13/12 34'-/34-DiCB	17.98	2.20E+06	1.58 Y	1.02	0.93	-8.2%
PCB-15 44'-DiCB	18.25	1.24E+06	1.58 Y	1.08	1.05	-2.6%
PCB-19 22'6-TrCB	15.77	6.03E+05	1.08 Y	1.09	1.01	-7.2%
PCB-30/18 246-/22'5-TrCB	17.43	1.61E+06	1.13 Y	1.46	1.35	-7.3%
PCB-17 22'4-TrCB	17.81	6.92E+05	1.12 Y	1.25	1.16	-7.0%
PCB-27 23'6-TrCB	17.99	9.34E+05	1.10 Y	1.69	1.57	-7.2%
PCB-24 236-TrCB	18.12	9.00E+05	1.03 Y	1.63	1.51	-7.4%
PCB-16 22'3-TrCB	18.20	5.04E+05	1.13 Y	0.95	0.85	-11.1%
PCB-32 24'6-TrCB	18.66	9.95E+05	1.03 Y	1.79	1.67	-6.4%
PCB-34 2'35-TrCB	19.77	9.06E+05	1.07 Y	1.05	0.96	-8.0%
PCB-23 235-TrCB	19.91	9.26E+05	1.03 Y	1.06	0.99	-6.8%
PCB-26/29 23'5-/245-TrCB	20.19	1.92E+06	1.04 Y	1.09	1.02	-6.1%
PCB-25 23'4-TrCB	20.37	9.37E+05	1.10 Y	1.07	1.00	-7.2%
PCB-31 24'5-TrCB	20.64	9.80E+05	1.09 Y	1.11	1.04	-6.1%
PCB-28/20 244'-/233'-TrCB	20.91	1.90E+06	1.04 Y	1.07	1.01	-5.5%
PCB-21/33 234-/2'34-TrCB	21.08	1.91E+06	1.08 Y	1.09	1.02	-7.0%
PCB-22 234'-TrCB	21.44	9.06E+05	1.05 Y	1.02	0.96	-5.1%
PCB-36 33'5-TrCB	22.79	1.02E+06	1.01 Y	1.13	1.08	-3.8%
PCB-39 34'5-TrCB	23.10	1.03E+06	1.00 Y	1.17	1.09	-6.3%
PCB-38 345-TrCB	23.60	8.98E+05	1.05 Y	1.03	0.96	-7.4%
PCB-35 33'4-TrCB	23.99	9.20E+05	1.04 Y	1.04	0.98	-5.9%
PCB-37 344'-TrCB	24.34	9.91E+05	1.03 Y	1.10	1.05	-4.5%
PCB-54 22'66'-TeCB	18.51	6.22E+05	0.82 Y	1.21	1.13	-6.6%
PCB-50/53 22'46-/22'56'TeCB	20.42	1.22E+06	0.78 Y	0.86	0.82	-4.4%
PCB-45 22'36'-TeCB	20.97	4.79E+05	0.80 Y	0.73	0.64	-12.4%
PCB-51 22'46'-TeCB	21.04	6.28E+05	0.80 Y	0.88	0.84	-4.5%
PCB-46 22'36'-TeCB	21.24	4.90E+05	0.84 Y	0.70	0.66	-5.8%
PCB-52 22'55'-TeCB	22.48	5.89E+05	0.79 Y	0.84	0.79	-6.5%
PCB-73 23'5'6TeCB	22.60	7.75E+05	0.78 Y	1.09	1.04	-5.0%
PCB-43 22'35'-TeCB	22.69	4.90E+05	0.82 Y	0.72	0.65	-9.5%
PCB-69/49 23'46-/22'45'TeCB	22.88	1.41E+06	0.82 Y	1.01	0.94	-6.8%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	5.88E+05	0.77 Y	0.85	0.79	-7.6%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.83E+06	0.79 Y	0.89	0.82	-8.2%
PCB-59/62/75 233'6-/2346-/24	23.62	2.35E+06	0.80 Y	1.14	1.05	-8.1%
PCB-42 22'34'-TeCB	23.78	5.42E+05	0.79 Y	0.77	0.72	-6.1%
PCB-41 22'34'-TeCB	24.10	5.22E+05	0.77 Y	0.73	0.70	-4.0%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	1.18E+06	0.80 Y	0.87	0.79	-8.8%
PCB-64 234'6'-TeCB	24.39	8.72E+05	0.78 Y	1.24	1.17	-5.7%
PCB-72 23'55'-TeCB	25.12	7.90E+05	0.75 Y	1.14	1.06	-7.6%
PCB-68 23'45'-TeCB	25.36	8.26E+05	0.79 Y	1.21	1.10	-8.7%
PCB-57 233'5'-TeCB	25.72	7.56E+05	0.74 Y	1.11	1.01	-8.6%
PCB-58 233'5'-TeCB	25.91	7.56E+05	0.78 Y	1.10	1.01	-8.1%
PCB-67 23'45'-TeCB	26.07	8.25E+05	0.83 Y	1.16	1.10	-5.0%
PCB-63 234'5'-TeCB	26.29	8.45E+05	0.76 Y	1.22	1.13	-7.1%
PCB-61/70/74/76 2345-/23'4'5	26.57	3.11E+06	0.79 Y	1.13	1.04	-8.2%
PCB-66 23'44'-TeCB	26.85	7.41E+05	0.82 Y	1.08	0.99	-7.8%
PCB-55 233'4'-TeCB	26.98	7.70E+05	0.74 Y	1.10	1.03	-6.2%
PCB-56 233'4'-TeCB	27.40	7.27E+05	0.74 Y	1.06	0.97	-8.0%
PCB-60 2344'-TeCB	27.59	7.66E+05	0.74 Y	1.11	1.02	-7.9%
PCB-80 33'55'-TeCB	27.95	8.69E+05	0.77 Y	1.25	1.16	-7.3%
PCB-79 33'45'-TeCB	29.23	8.68E+05	0.81 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.70	7.54E+05	0.72 Y	1.08	1.01	-6.7%
PCB-104 22'466'-PeCB	23.30	6.18E+05	0.67 Y	1.25	1.15	-8.0%
PCB-96 22'366'-PeCB	23.60	5.55E+05	0.66 Y	1.08	1.04	-3.6%
PCB-103 22'45'6'-PeCB	25.27	5.59E+05	0.64 Y	0.90	0.85	-5.6%
PCB-94 22'356'-PeCB	25.45	4.73E+05	0.62 Y	0.78	0.72	-7.2%
PCB-95 22'35'6'-PeCB	25.82	4.87E+05	0.62 Y	0.83	0.74	-10.3%
PCB-100/93 22'44'6-/22'356-P	26.03	1.03E+06	0.61 Y	0.84	0.78	-7.0%
PCB-102 22'456'-PeCB	26.13	5.18E+05	0.58 Y	0.90	0.79	-12.4%
PCB-98 22'3'46'-PeCB	26.20	5.12E+05	0.59 Y	0.77	0.78	0.9%
PCB-88 22'346'-PeCB	26.49	4.69E+05	0.65 Y	0.79	0.71	-10.0%
PCB-91 22'34'6'-PeCB	26.56	5.55E+05	0.63 Y	0.88	0.84	-4.0%
PCB-84 22'33'6'-PeCB	26.74	4.30E+05	0.60 Y	0.71	0.65	-7.9%
PCB-89 22'346'-PeCB	27.14	4.69E+05	0.64 Y	0.76	0.71	-6.1%
PCB-121 23'45'6'-PeCB	27.52	7.02E+05	0.66 Y	1.14	1.07	-6.5%
PCB-92 22'355'-PeCB	27.83	4.88E+05	0.63 Y	0.80	0.74	-7.0%
PCB-113/90/101 233'5'6-/22'3	28.30	1.74E+06	0.63 Y	0.93	0.88	-5.6%
PCB-83 22'33'5'-PeCB	28.71	4.47E+05	0.59 Y	0.71	0.68	-4.6%
PCB-99 22'44'5'-PeCB	28.82	4.93E+05	0.65 Y	0.87	0.75	-13.9%
PCB-112 233'56'-PeCB	28.91	7.32E+05	0.58 Y	1.13	1.11	-1.0%
PCB-108/119/86/97/125/87 233	29.25	3.48E+06	0.61 Y	0.95	0.88	-6.9%
PCB-117 234'56'-PeCB	29.78	7.14E+05	0.58 Y	1.04	1.09	4.6%
PCB-116/85 23456-/22'344'-Pe	29.85	1.13E+06	0.63 Y	0.97	0.86	-11.2%
PCB-110 233'4'6'-PeCB	29.97	6.02E+05	0.60 Y	1.02	0.92	-10.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:12

Lab ID: CS1_120725_PCB_XB
 Acquired: 26-JUL-2012 03:50
 Datafile: 120725X16

ICAL: MM7_PCB_07132012_25JUL12

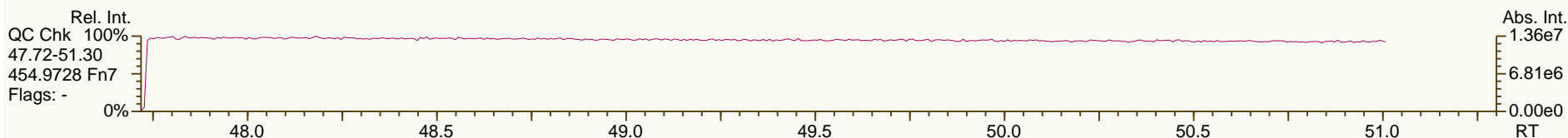
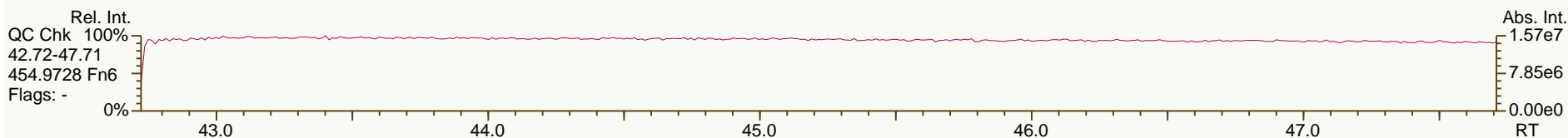
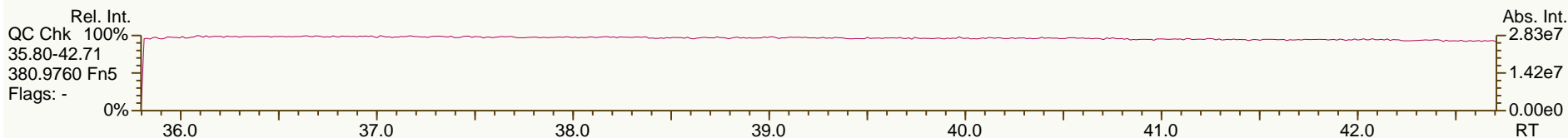
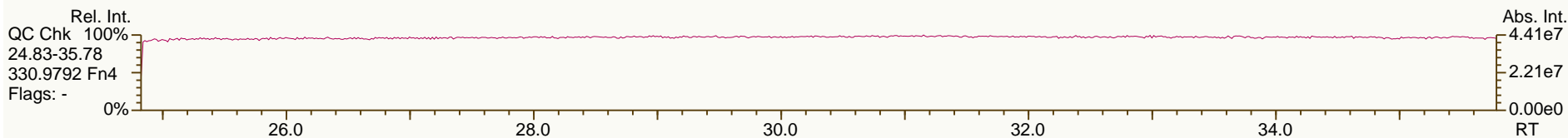
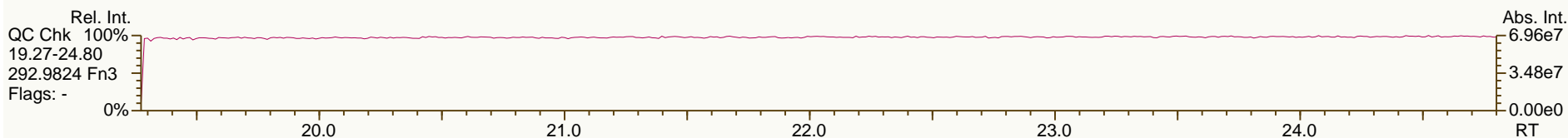
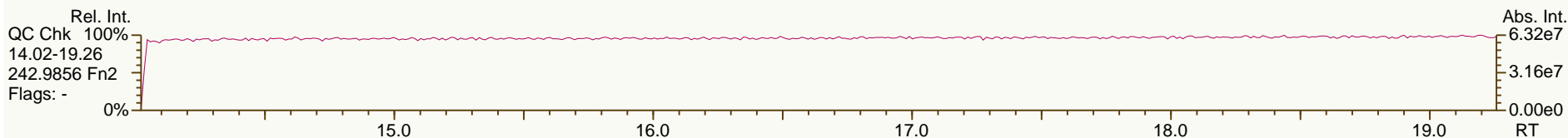
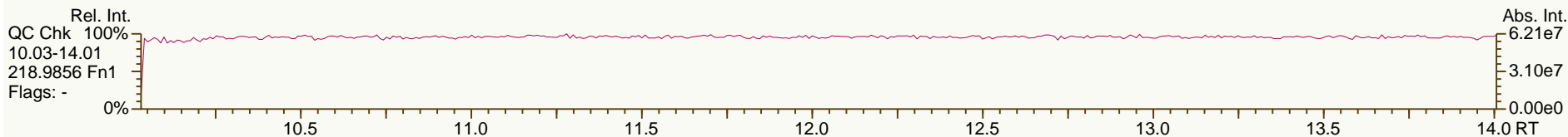
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	7.27E+05	0.57 Y	1.16	1.11	-4.4%
PCB-82 22'33'4-PeCB	30.24	4.25E+05	0.61 Y	0.69	0.65	-6.3%
PCB-111 233'55'-PeCB	30.59	7.11E+05	0.61 Y	1.15	1.08	-6.2%
PCB-120 23'455'-PeCB	30.98	7.11E+05	0.59 Y	1.16	1.08	-6.7%
PCB-107/124 233'4'5'-/2'3455'	31.92	1.31E+06	0.60 Y	1.07	1.00	-7.3%
PCB-109 233'46-PeCB	32.13	7.10E+05	0.61 Y	1.14	1.08	-5.3%
PCB-106 233'45-PeCB	32.33	6.34E+05	0.64 Y	1.07	0.97	-9.8%
PCB-122 2'33'45-PeCB	32.79	6.54E+05	0.62 Y	1.00	0.98	-2.4%
PCB-127 33'455'-PeCB	34.73	6.91E+05	0.59 Y	1.10	1.04	-5.2%
PCB-155 22'44'66'-HxCB	28.15	6.98E+05	1.23 Y	1.09	1.06	-2.9%
PCB-152 22'3566'-HxCB	28.29	6.22E+05	1.37 Y	1.01	0.94	-6.8%
PCB-150 22'34'66'-HxCB	28.44	6.07E+05	1.27 Y	1.00	0.92	-8.4%
PCB-136 22'33'66'-HxCB	28.72	5.96E+05	1.28 Y	0.95	0.90	-5.1%
PCB-145 22'3466'HxCB	28.99	6.02E+05	1.30 Y	0.96	0.91	-5.1%
PCB-148 22'34'56'-HxCB	30.28	4.49E+05	1.27 Y	0.97	0.88	-9.2%
PCB-151/135 22'355'6-/22'33'	30.78	9.24E+05	1.29 Y	0.96	0.91	-5.9%
PCB-154 22'44'5'6-HxCB	30.99	5.18E+05	1.28 Y	1.09	1.02	-6.7%
PCB-144 22'345'6-HxCB	31.24	4.58E+05	1.23 Y	0.98	0.90	-8.6%
PCB-147/149 22'34'56-/22'34'	31.54	9.24E+05	1.24 Y	0.99	0.91	-8.0%
PCB-134 22'33'56-HxCB	31.71	4.24E+05	1.30 Y	0.80	0.83	3.8%
PCB-143 22'3456'-HxCB	31.79	4.08E+05	1.31 Y	0.95	0.80	-16.2%
PCB-139/140 22'344'6-/22'344'	32.05	9.39E+05	1.25 Y	1.00	0.92	-7.8%
PCB-131 22'33'46-HxCB	32.21	4.05E+05	1.29 Y	0.85	0.79	-6.5%
PCB-142 22'3456-HxCB	32.35	4.13E+05	1.35 Y	0.87	0.81	-7.2%
PCB-132 22'33'46'-HxCB	32.58	4.09E+05	1.21 Y	0.89	0.80	-9.7%
PCB-133 22'33'55'-HxCB	33.02	4.41E+05	1.33 Y	0.91	0.87	-5.3%
PCB-165 233'55'6-HxCB	33.36	5.42E+05	1.34 Y	1.13	1.06	-6.2%
PCB-146 22'34'55'-HxCB	33.57	4.70E+05	1.32 Y	1.01	0.92	-8.3%
PCB-161 233'45'6-HxCB	33.68	6.01E+05	1.19 Y	1.25	1.18	-5.9%
PCB-153/168 22'44'55'-/23'44'	34.11	1.15E+06	1.29 Y	1.22	1.13	-7.3%
PCB-141 22'3455'-HxCB	34.24	4.40E+05	1.19 Y	0.93	0.86	-6.9%
PCB-130 22'33'45'-HxCB	34.58	3.98E+05	1.17 Y	0.85	0.78	-7.9%
PCB-137 22'344'5-HxCB	34.77	5.17E+05	1.12 Y	1.04	1.01	-2.7%
PCB-164 233'4'5'6-HxCB	34.86	5.92E+05	1.18 Y	1.22	1.16	-5.1%
PCB-163/138/129 233'4'56-/22'	35.14	1.46E+06	1.31 Y	1.02	0.96	-6.4%
PCB-160 233'456-HxCB	35.27	5.94E+05	1.22 Y	1.21	1.17	-3.5%
PCB-158 233'44'6-HxCB	35.45	6.47E+05	1.37 Y	1.34	1.27	-5.1%
PCB-128/166 22'33'44'-/2344'5	36.17	1.14E+06	1.26 Y	0.90	0.86	-4.2%
PCB-159 233'455'-HxCB	37.01	6.56E+05	1.26 Y	1.06	0.99	-7.2%
PCB-162 233'4'55'-HxCB	37.25	6.53E+05	1.22 Y	1.08	0.98	-8.7%
PCB-188 22'34'566'-HpCB	32.96	5.17E+05	1.08 Y	1.03	0.99	-3.8%
PCB-179 22'33'566'-HpCB	33.23	4.75E+05	1.13 Y	0.97	0.91	-5.5%
PCB-184 22'344'66'-HpCB	33.69	4.58E+05	0.97 Y	0.93	0.88	-5.5%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:12		
Lab ID:	CS1_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 03:50						
Datafile:	120725X16						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.97	5.13E+05	1.05 Y	1.05	0.99	-5.7%	
PCB-186 22'34566'-HpCB	34.35	4.76E+05	1.12 Y	0.98	0.92	-6.6%	
PCB-178 22'33'55'6'-HpCB	35.51	3.64E+05	1.17 Y	0.74	0.70	-4.7%	
PCB-175 22'33'45'6'-HpCB	36.04	4.27E+05	1.00 Y	1.01	0.92	-8.8%	
PCB-187 22'34'55'6'-HpCB	36.27	4.59E+05	1.10 Y	1.06	0.99	-6.9%	
PCB-182 22'344'56'-HpCB	36.45	5.07E+05	0.98 Y	1.11	1.09	-1.7%	
PCB-183 22'344'5'6'-HpCB	36.78	4.76E+05	1.01 Y	1.13	1.03	-9.5%	
PCB-185 22'3455'6'-HpCB	36.86	4.69E+05	1.04 Y	1.02	1.01	-0.8%	
PCB-174 22'33'456'-HpCB	36.97	4.17E+05	1.00 Y	0.93	0.90	-3.1%	
PCB-177 22'33'4'56'-HpCB	37.34	3.93E+05	1.08 Y	0.91	0.85	-6.5%	
PCB-181 22'344'56'-HpCB	37.68	4.75E+05	1.08 Y	1.06	1.02	-3.8%	
PCB-171/173 22'33'44'6'-/22'3	37.86	8.13E+05	1.11 Y	0.93	0.87	-5.7%	
PCB-172 22'33'455'-HpCB	39.23	4.21E+05	1.04 Y	0.95	0.91	-5.0%	
PCB-192 233'455'6'-HpCB	39.47	5.36E+05	1.10 Y	1.24	1.15	-7.0%	
PCB-180/193 22'344'55'-/233'	39.74	9.84E+05	1.05 Y	1.16	1.06	-8.6%	
PCB-191 233'44'5'6'-HpCB	40.07	5.67E+05	1.14 Y	1.30	1.22	-6.3%	
PCB-170 22'33'44'5'-HpCB	40.82	3.98E+05	1.08 Y	1.07	0.99	-8.2%	
PCB-190 233'44'56'-HpCB	41.26	5.55E+05	1.06 Y	1.45	1.37	-5.4%	
PCB-202 22'33'55'66'-OcCB	37.45	4.27E+05	0.84 Y	0.91	0.85	-7.5%	
PCB-201 22'33'45'66'-OcCB	38.23	4.87E+05	0.88 Y	1.02	0.97	-5.4%	
PCB-204 22'344'566'-OcCB	38.80	4.51E+05	0.97 Y	0.98	0.90	-8.3%	
PCB-197 22'33'44'66'-OcCB	38.99	5.40E+05	0.94 Y	1.06	1.07	0.6%	
PCB-200 22'33'4566'-OcCB	39.07	4.09E+05	0.98 Y	0.96	0.81	-15.6%	
PCB-198/199 22'33'455'6'-/22'	41.39	6.71E+05	0.90 Y	0.72	0.67	-7.0%	
PCB-196 22'33'44'56'-OcCB	41.96	3.50E+05	0.92 Y	0.73	0.69	-5.0%	
PCB-203 22'344'55'6'-OcCB	42.13	3.62E+05	0.90 Y	0.76	0.72	-6.1%	
PCB-195 22'33'44'56'-OcCB	43.23	3.54E+05	0.94 Y	0.80	0.73	-9.0%	
PCB-194 22'33'44'55'-OcCB	45.18	4.10E+05	0.94 Y	0.87	0.84	-3.6%	
PCB-205 233'44'55'6'-OcCB	45.58	4.98E+05	0.88 Y	1.09	1.02	-6.0%	
PCB-208 22'33'455'66'-NoCB	43.04	4.58E+05	0.80 Y	1.02	0.96	-6.0%	
PCB-207 22'33'44'566'-NoCB	43.82	4.79E+05	0.79 Y	1.06	1.00	-5.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	3.13E+05	0.74 Y	0.98	0.90	-8.3%	

AP Lab ID: CS1_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 51

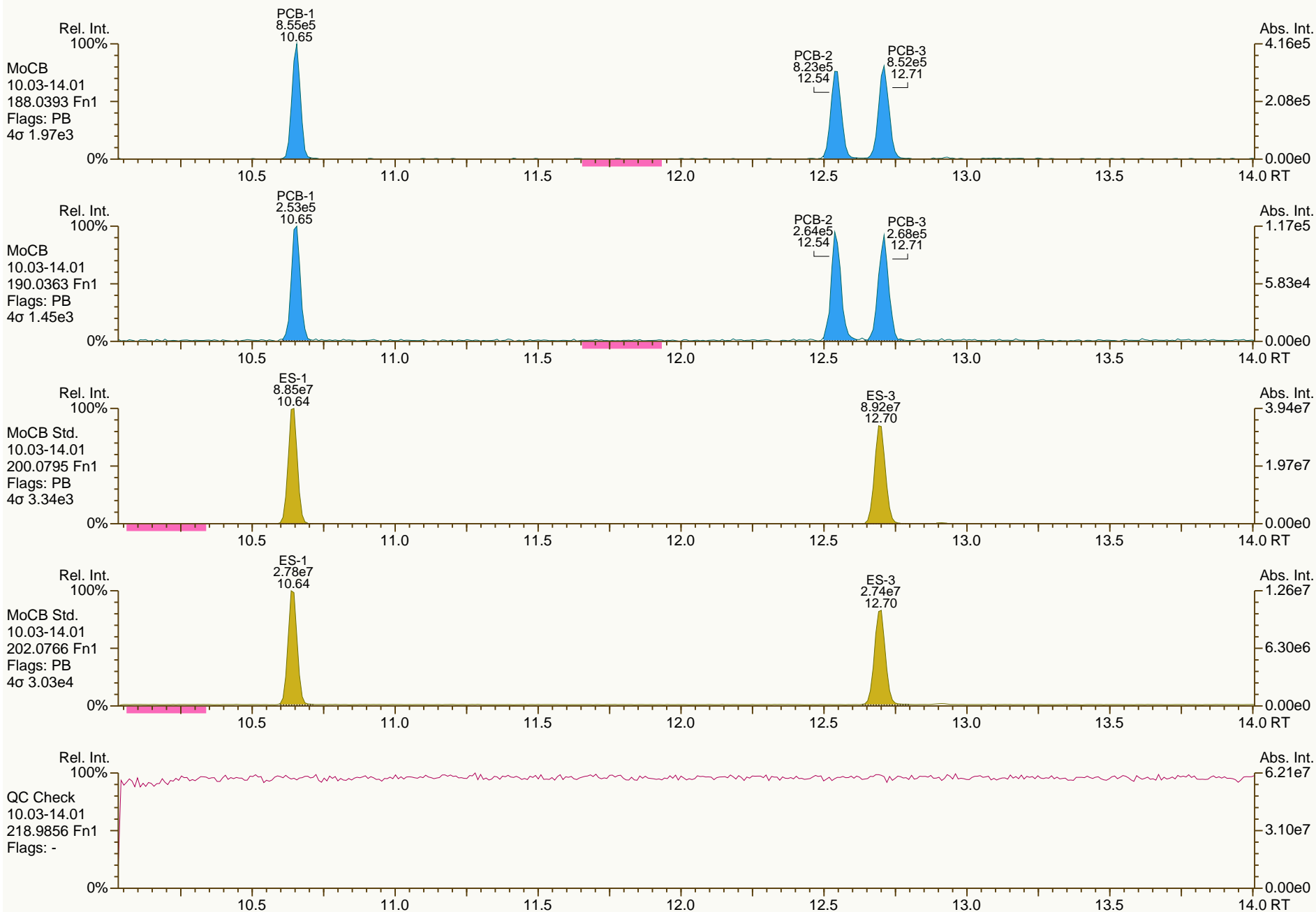
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AP Lab ID: CS1_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-5
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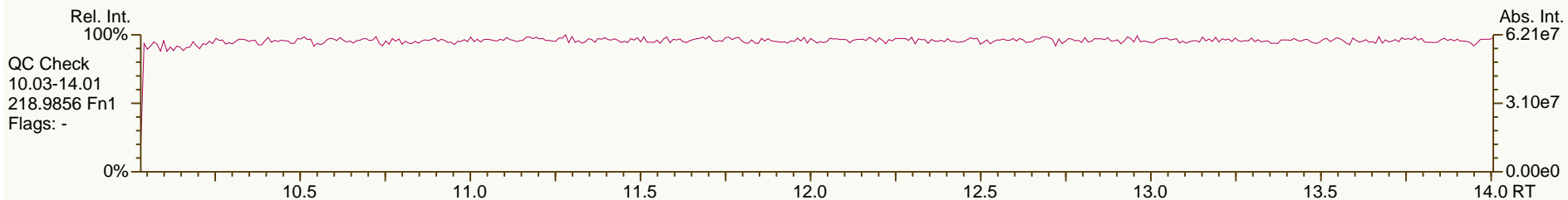
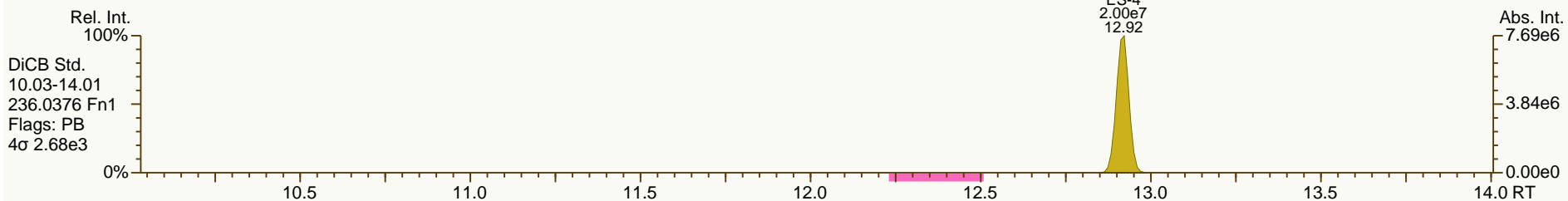
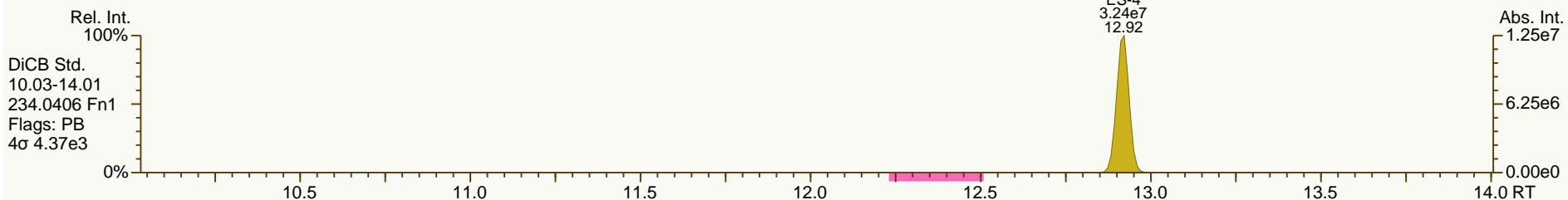
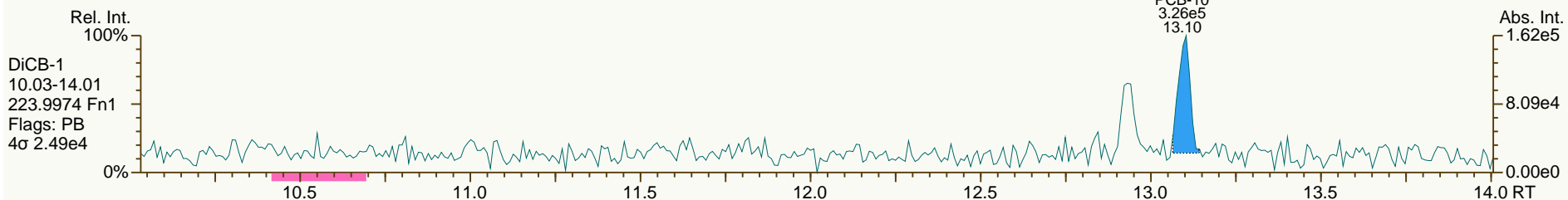
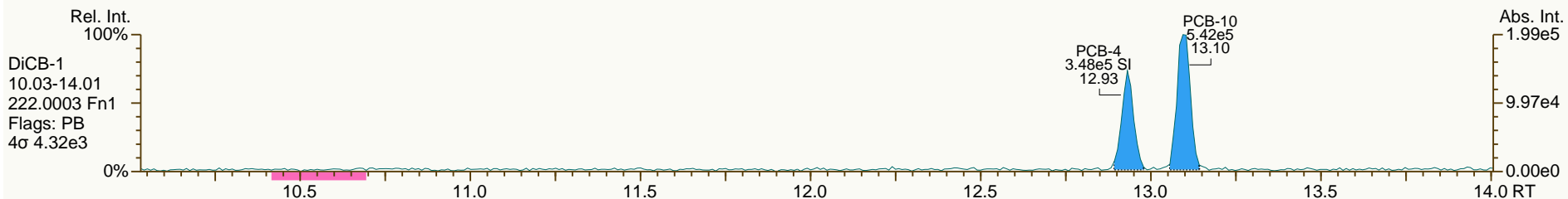
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AP Lab ID: CS1_120725_PCB_XB
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Sample ID: SIL 12-65-5
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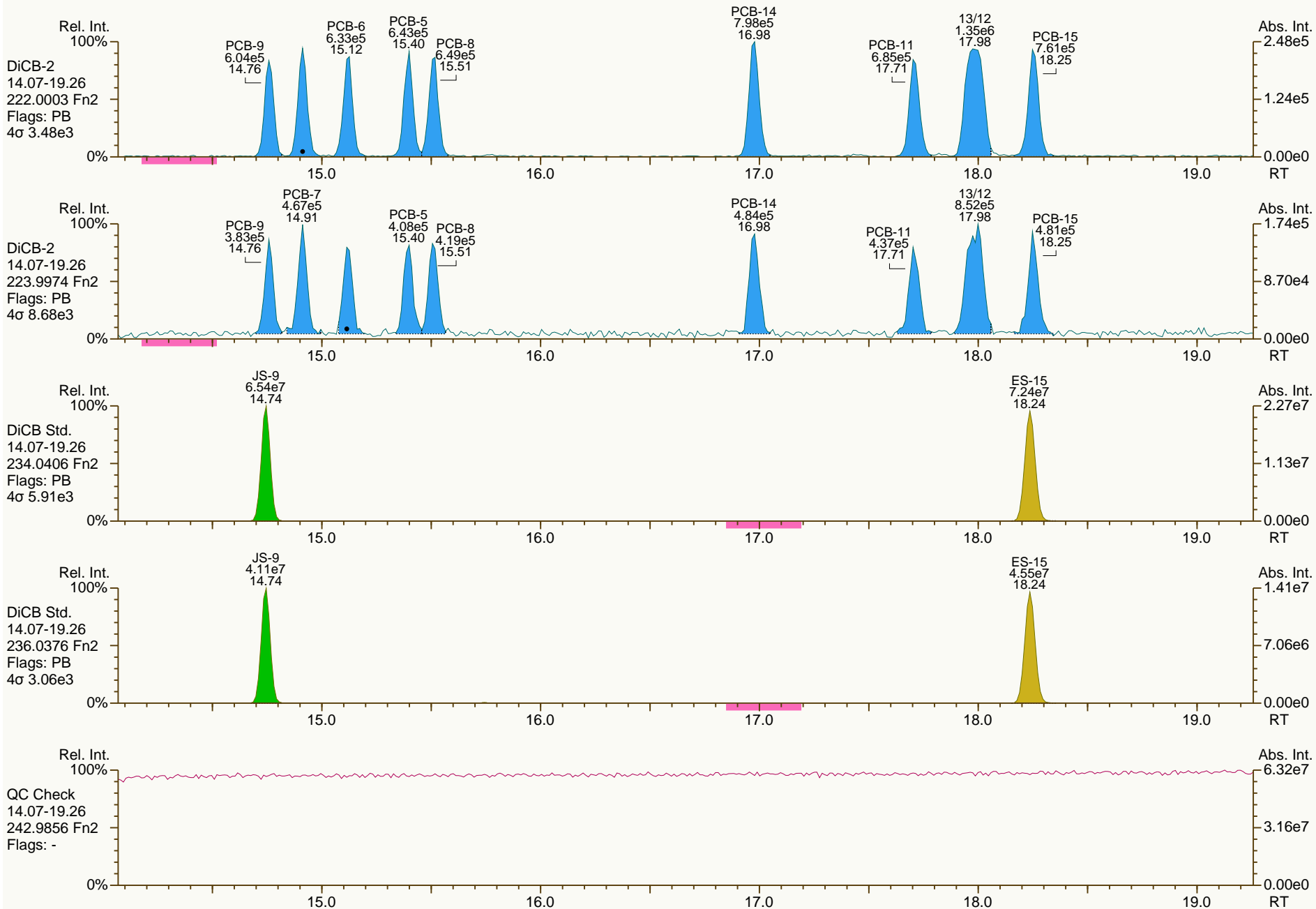
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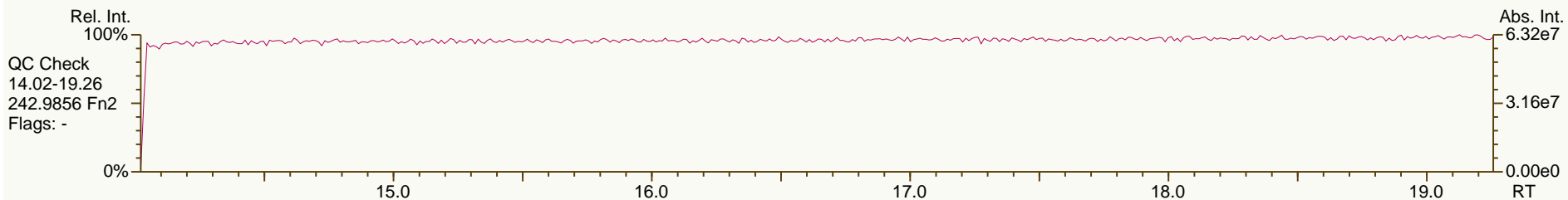
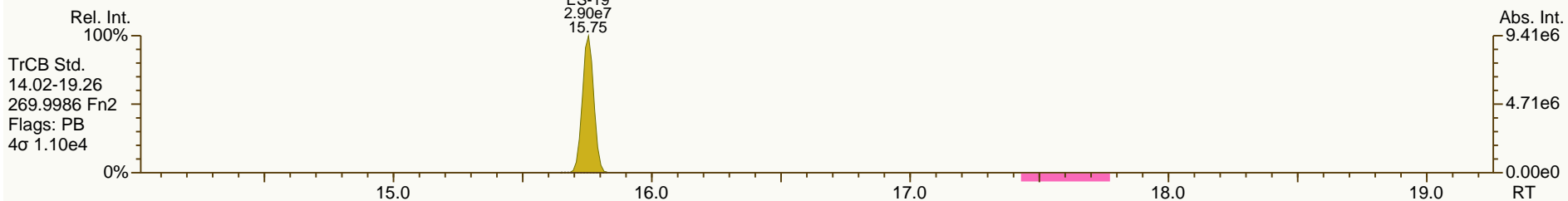
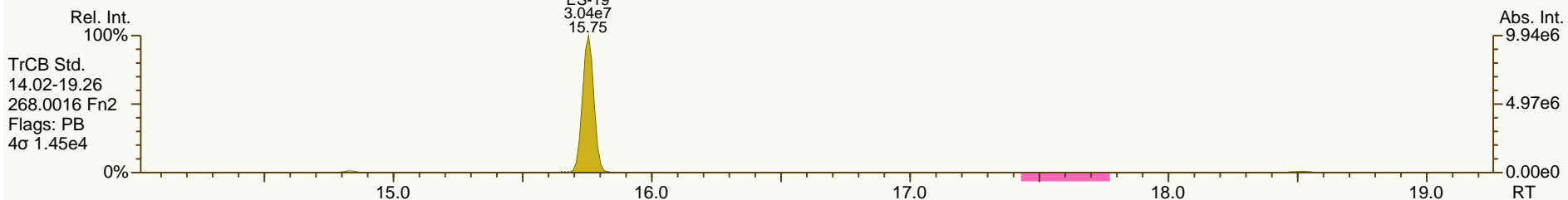
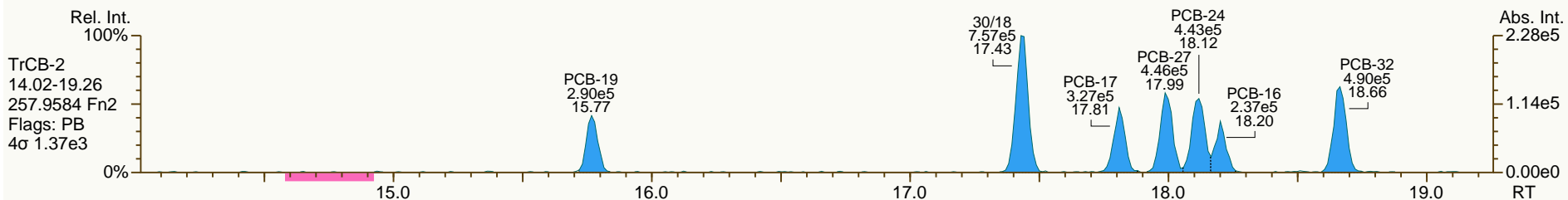
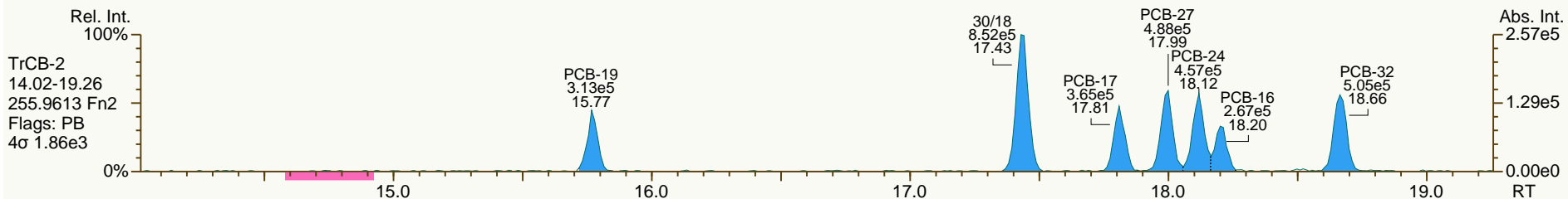
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AP Lab ID: CS1_120725_PCB_XB
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Sample ID: SIL 12-65-5
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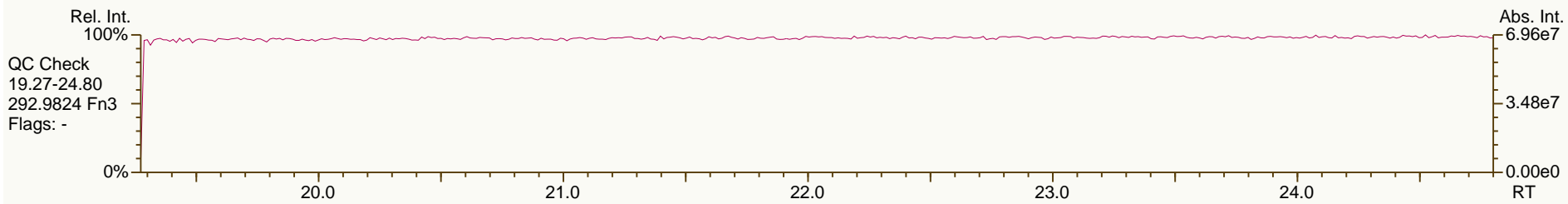
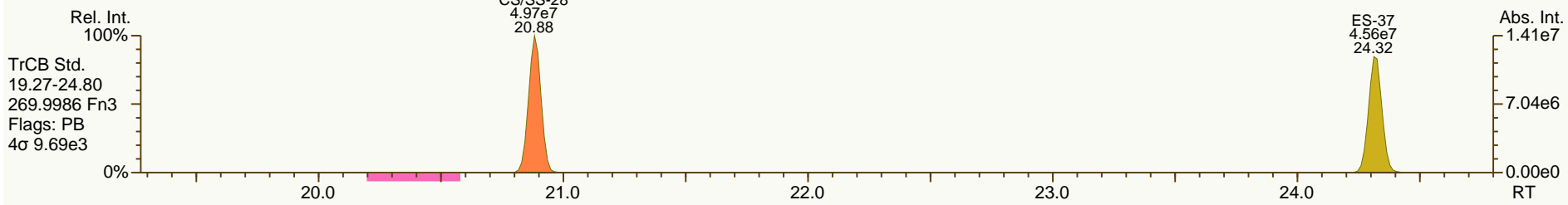
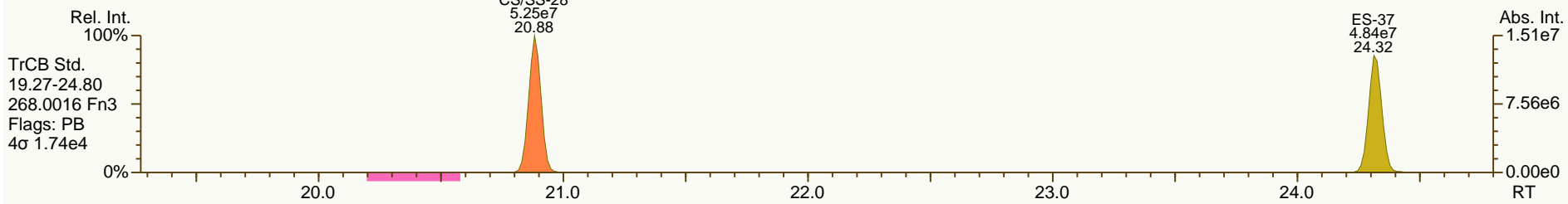
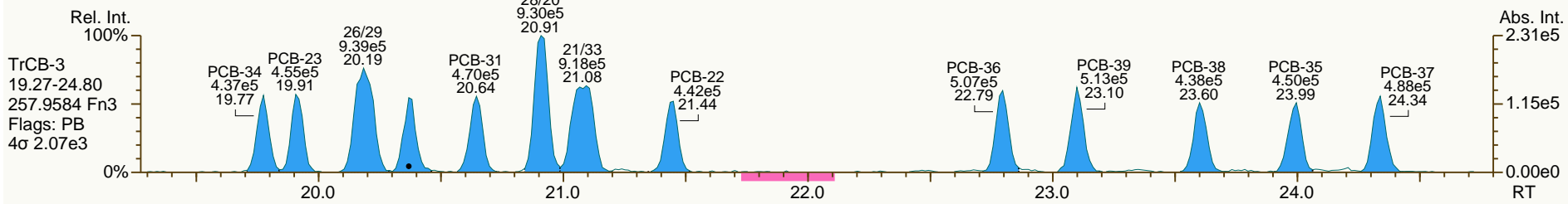
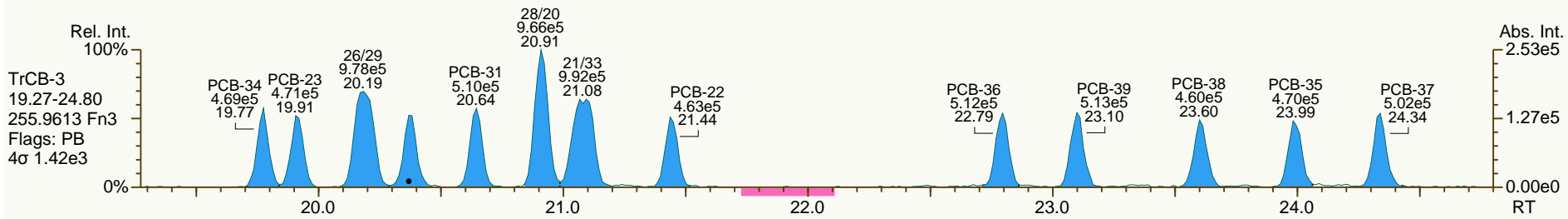
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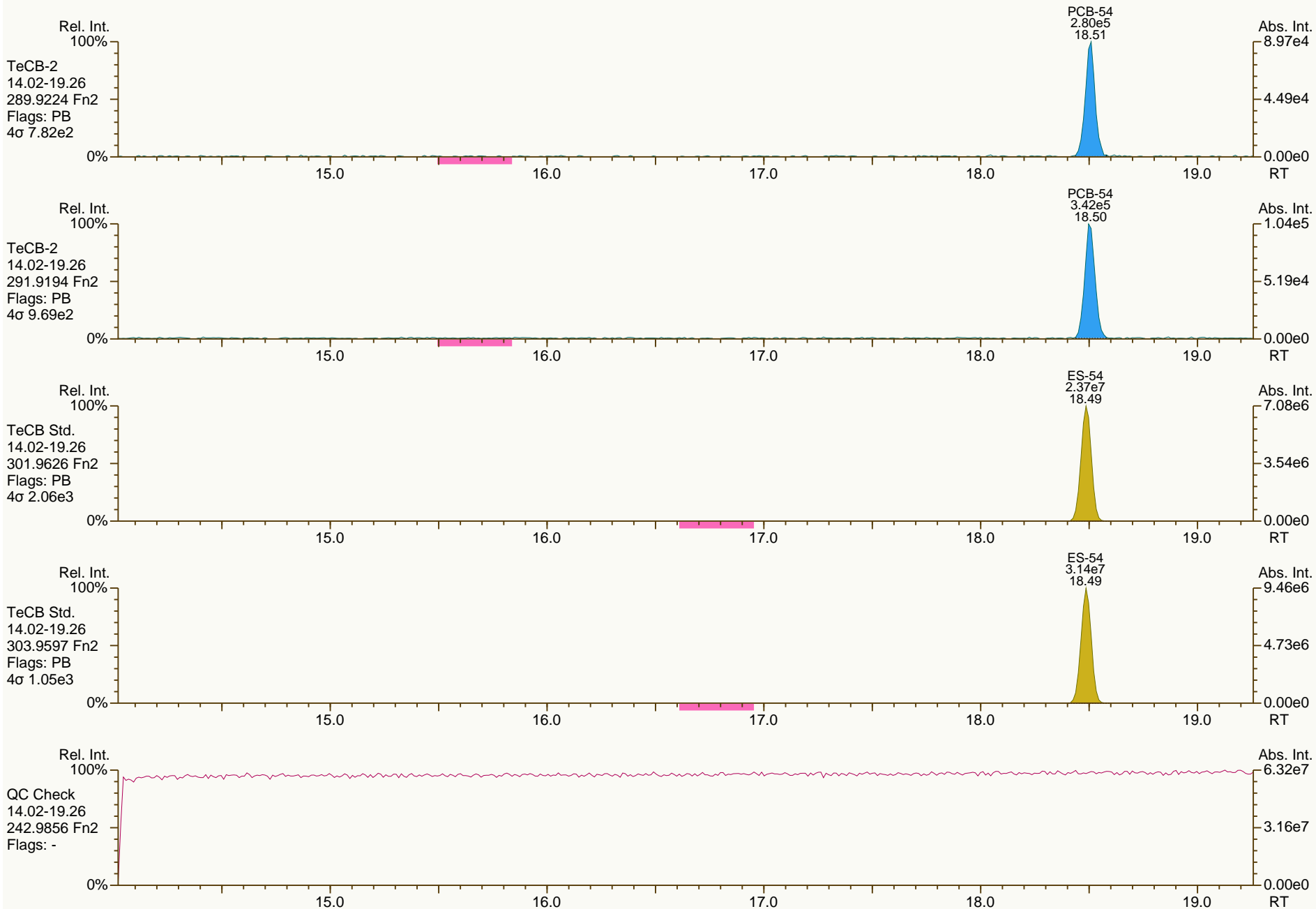
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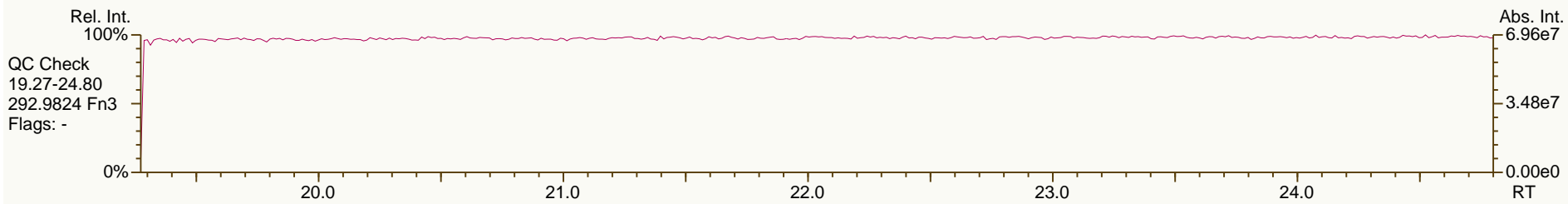
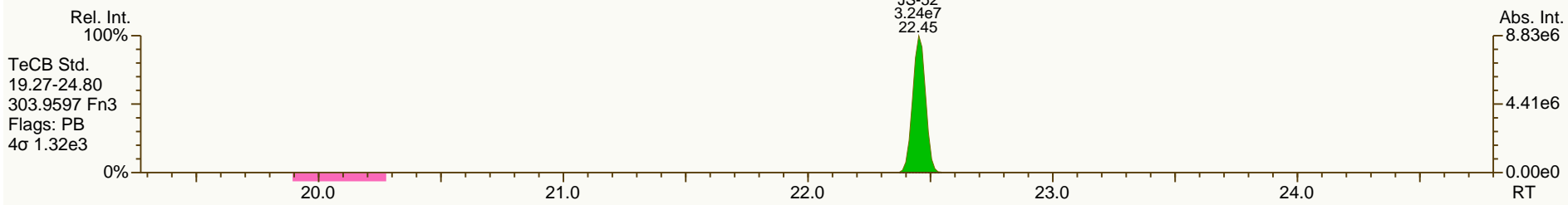
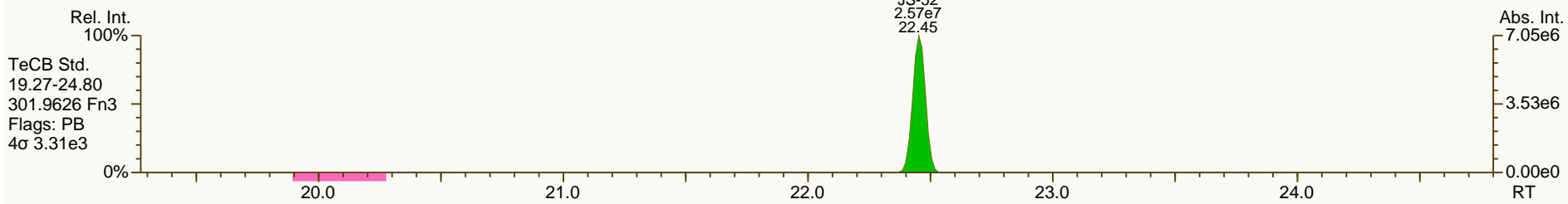
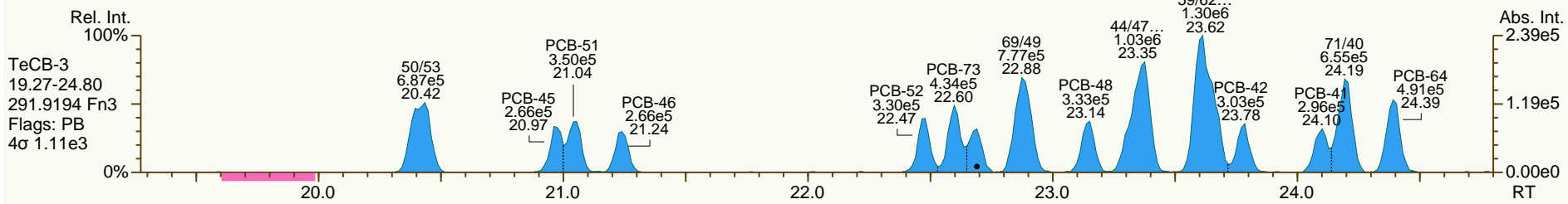
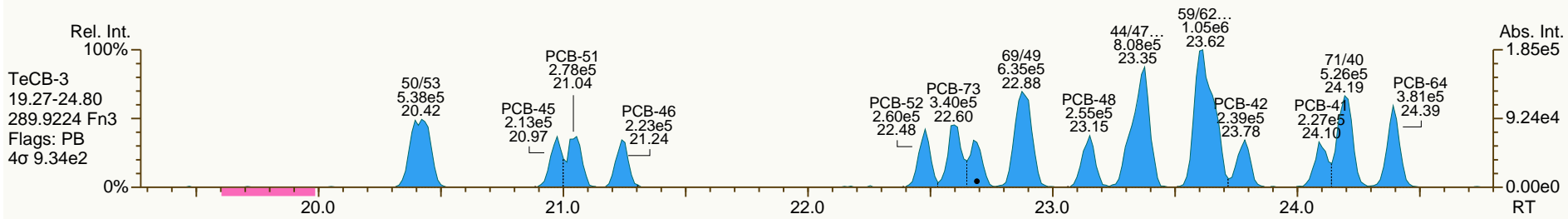
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AP Lab ID: CS1_120725_PCB_XB
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Sample ID: SIL 12-65-5
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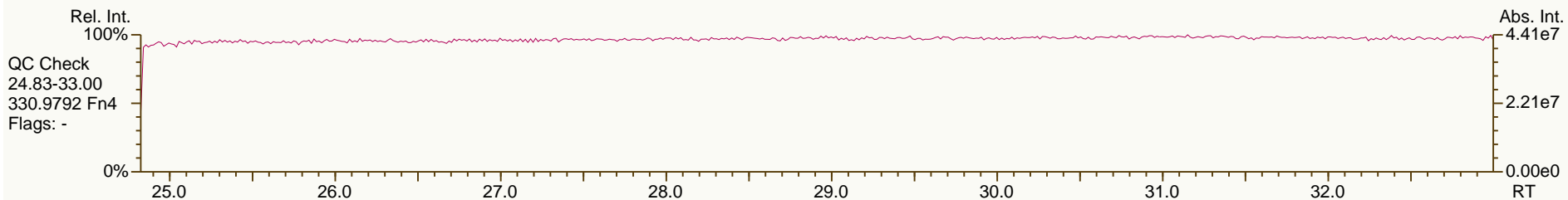
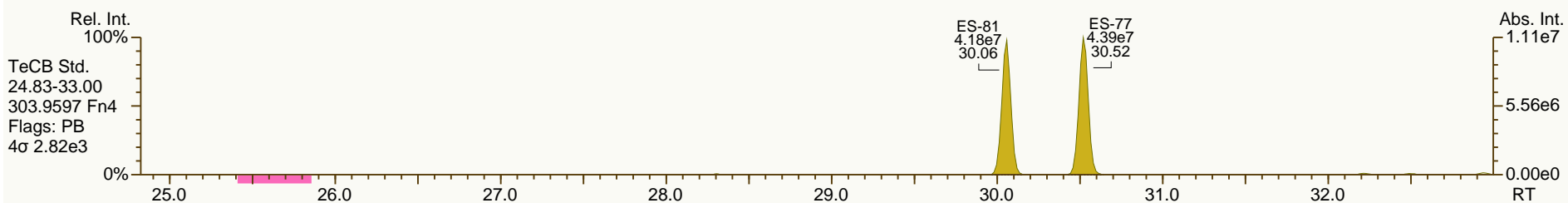
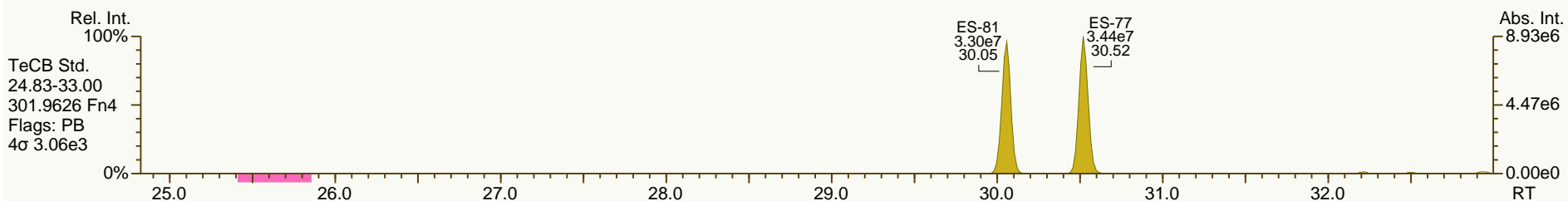
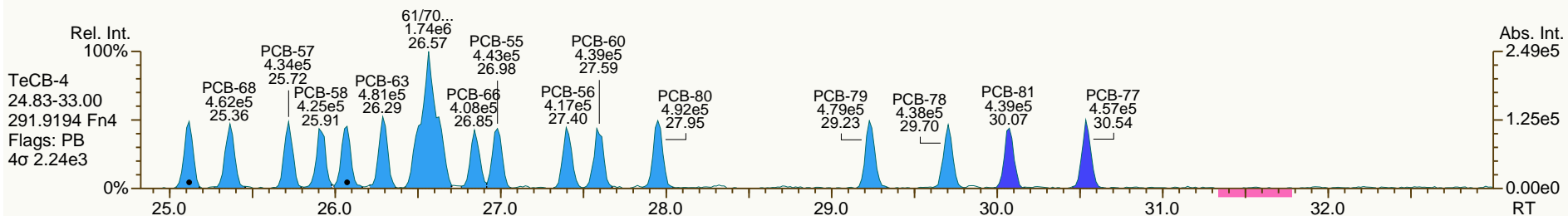
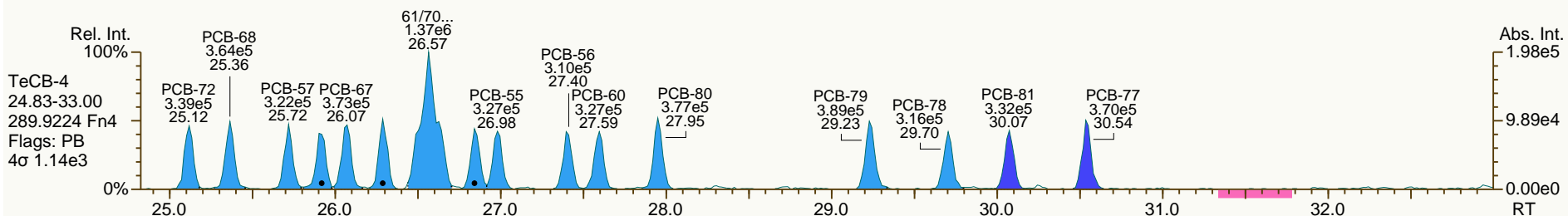
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AP Lab ID: CS1_120725_PCB_XB
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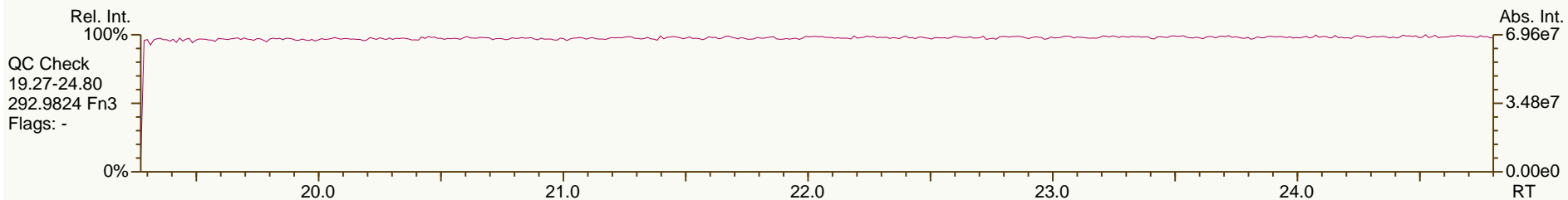
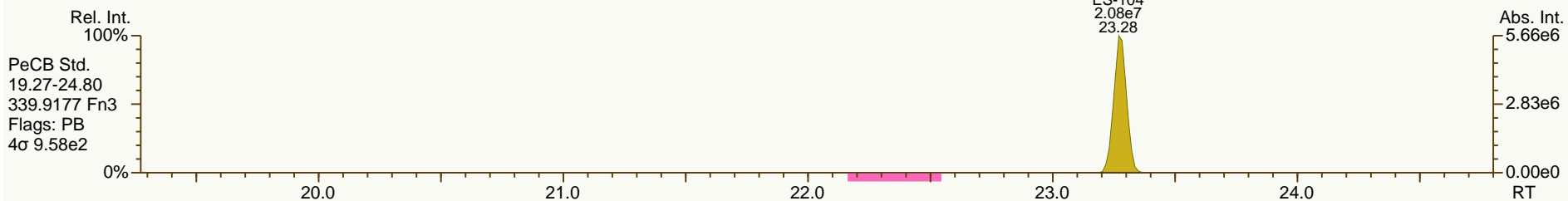
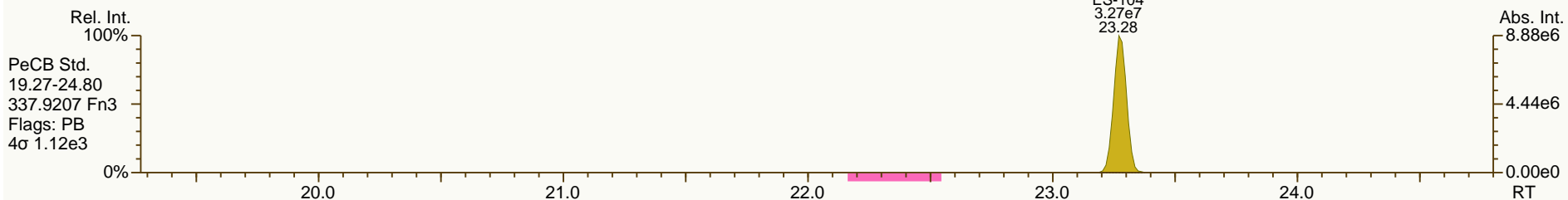
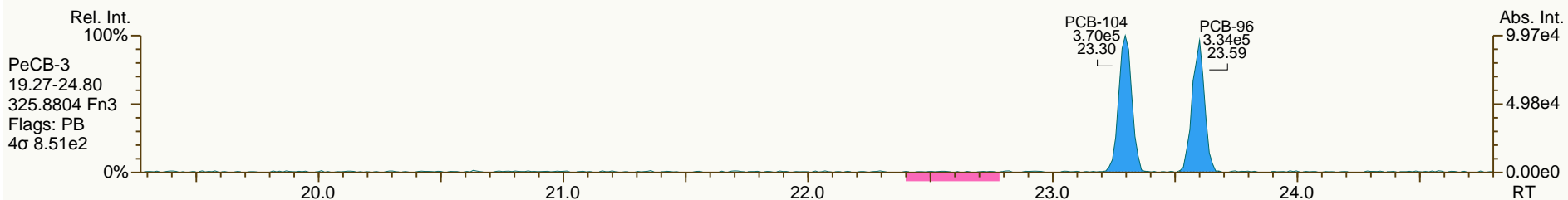
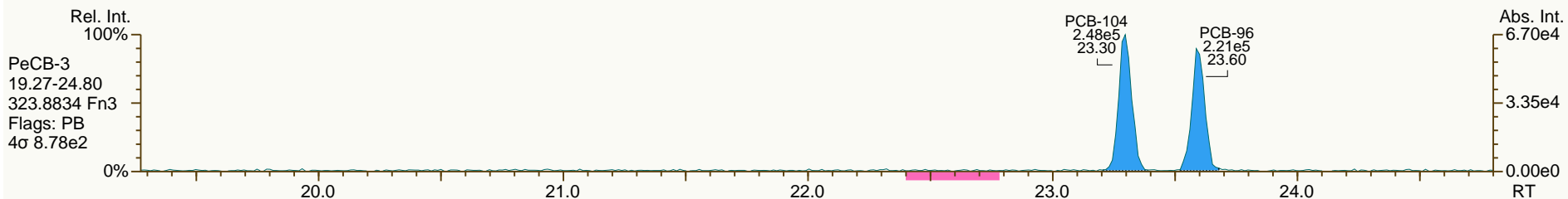
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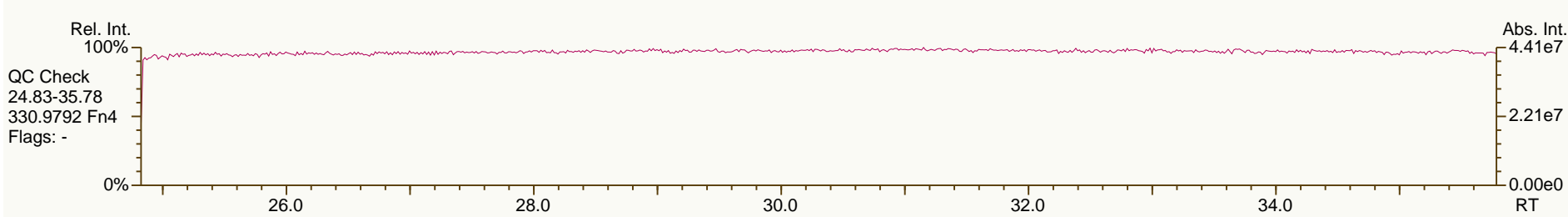
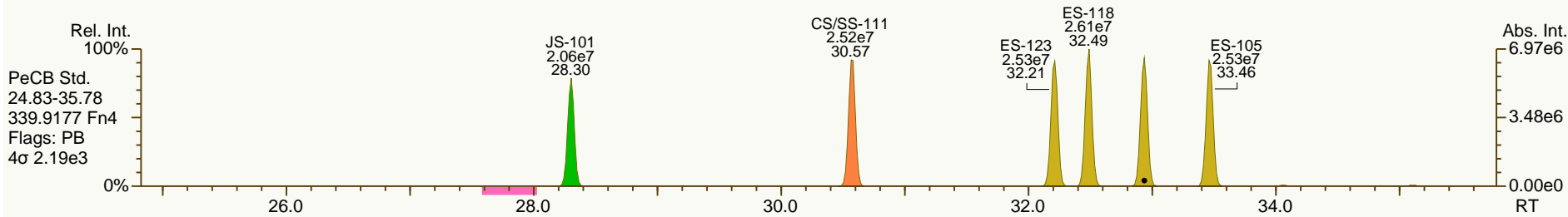
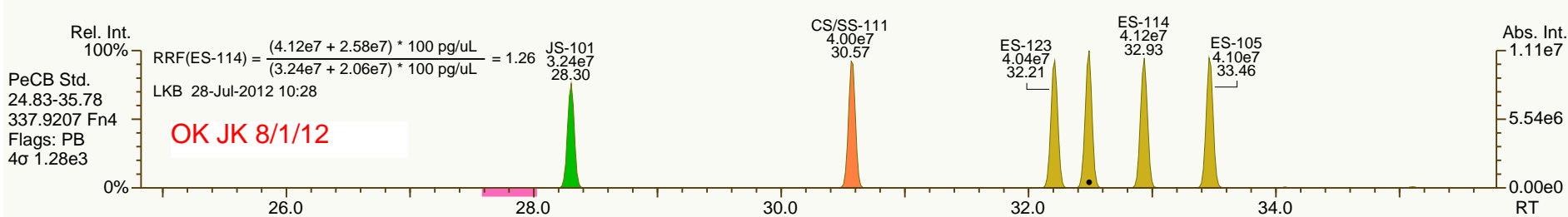
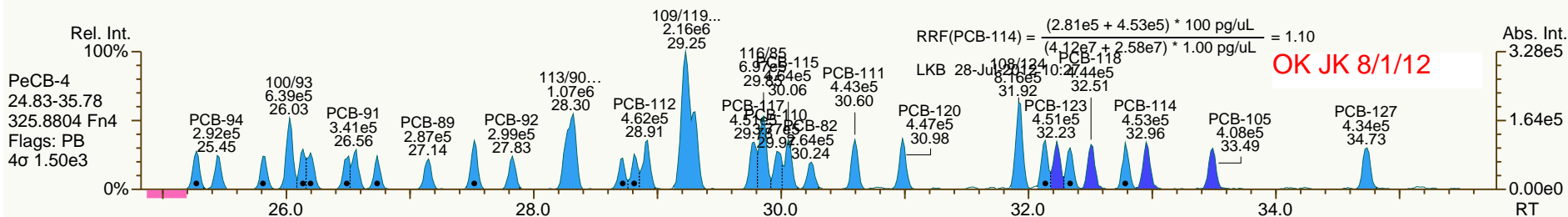
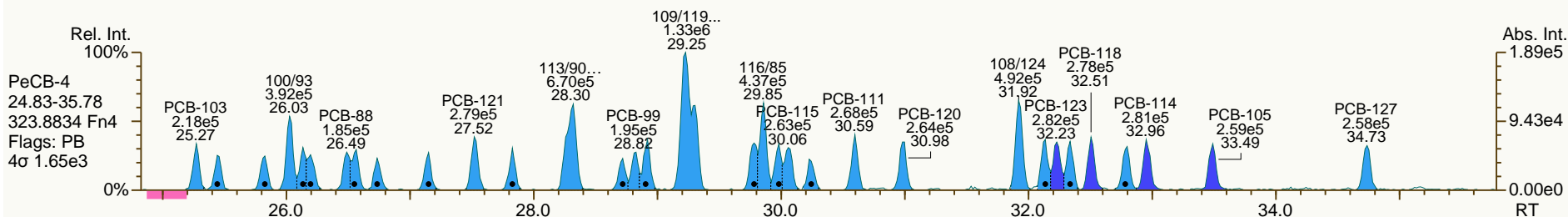
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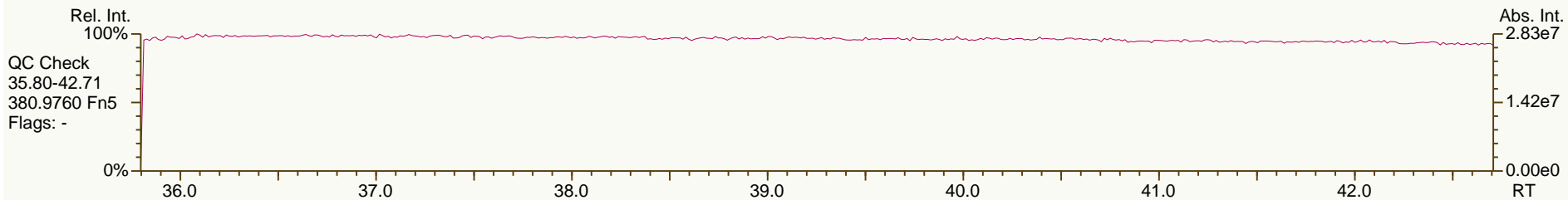
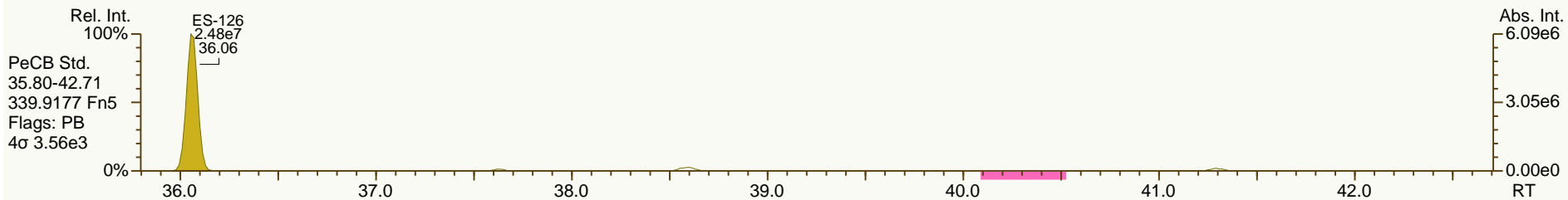
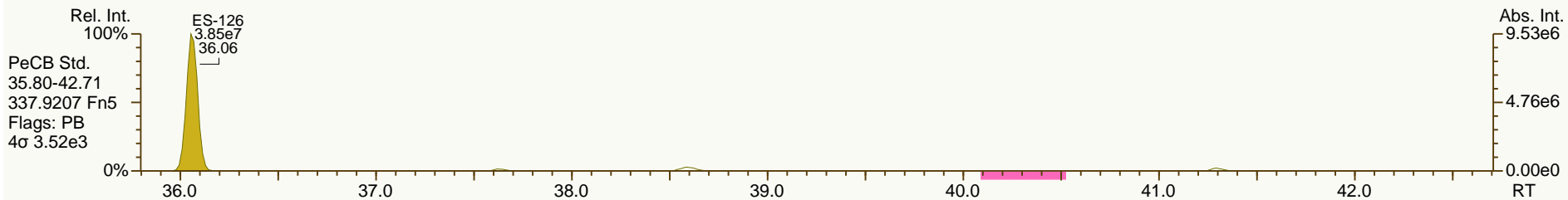
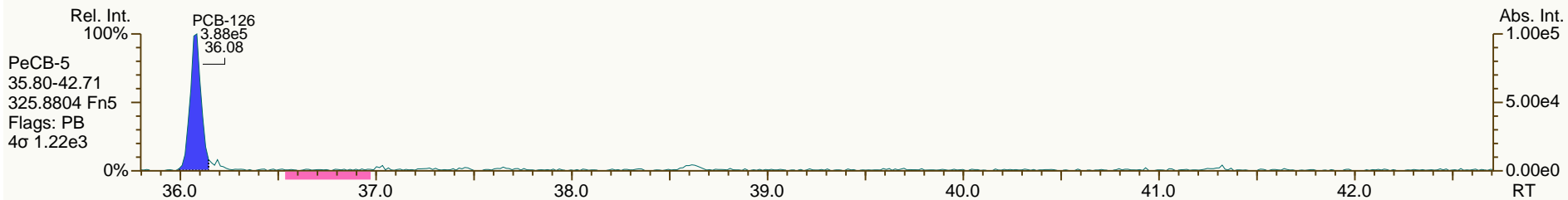
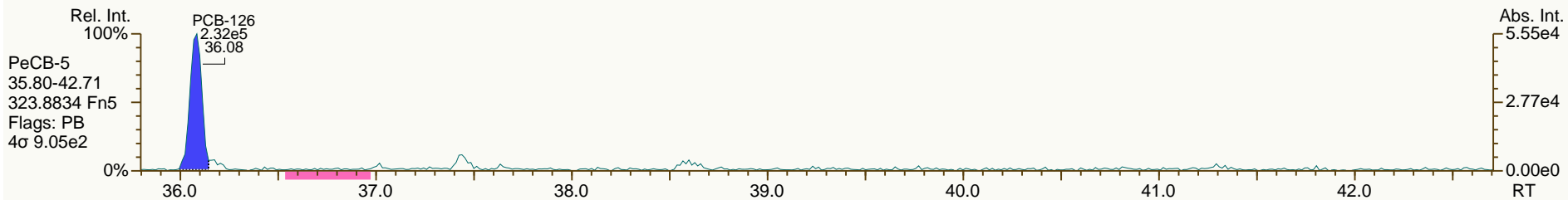
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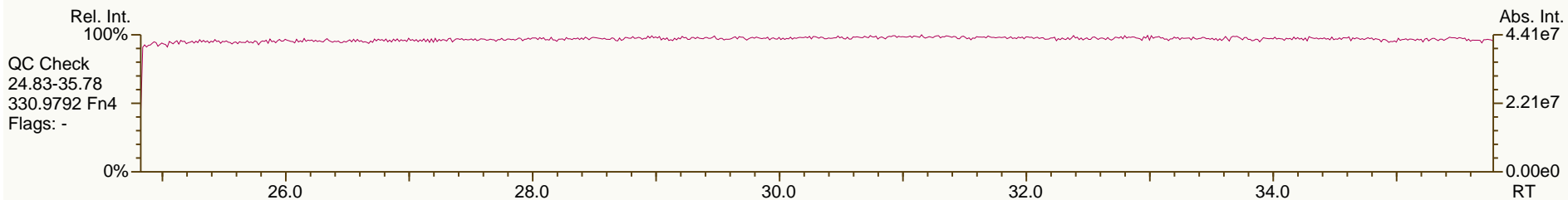
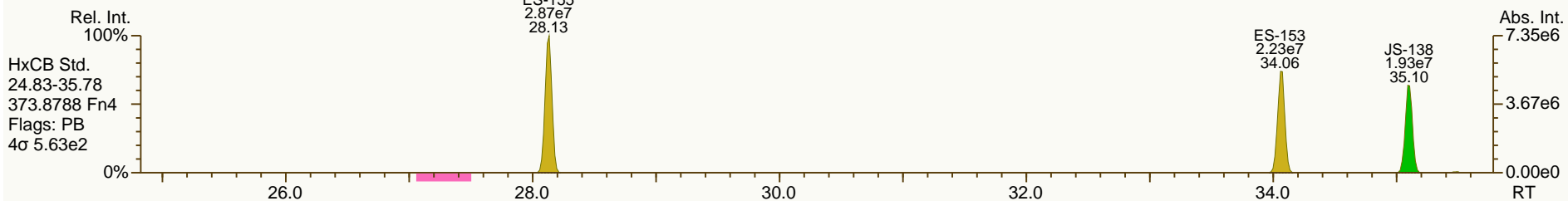
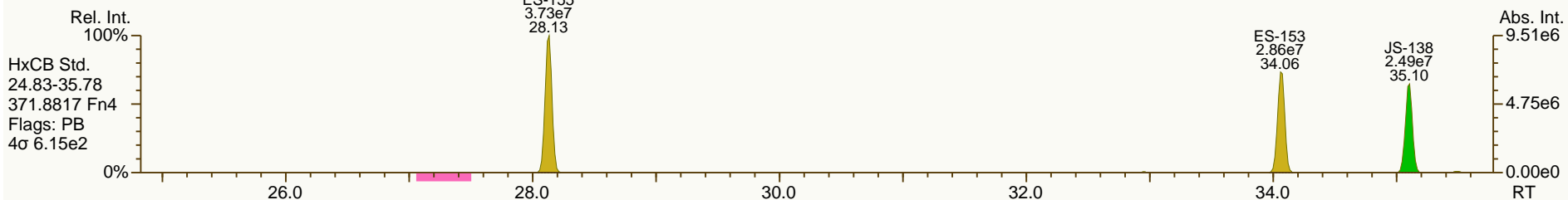
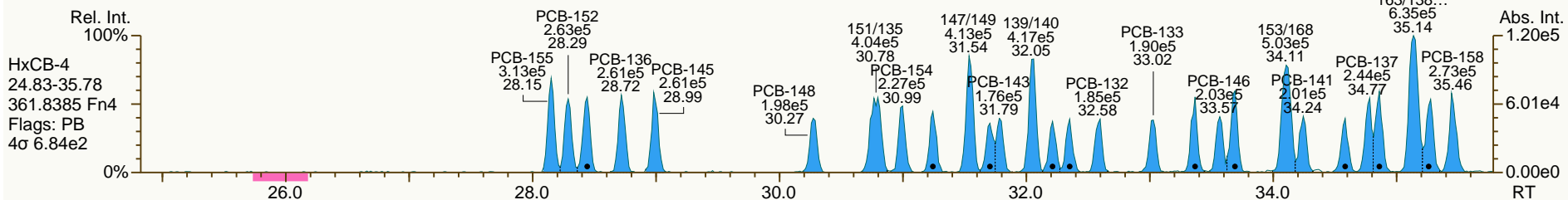
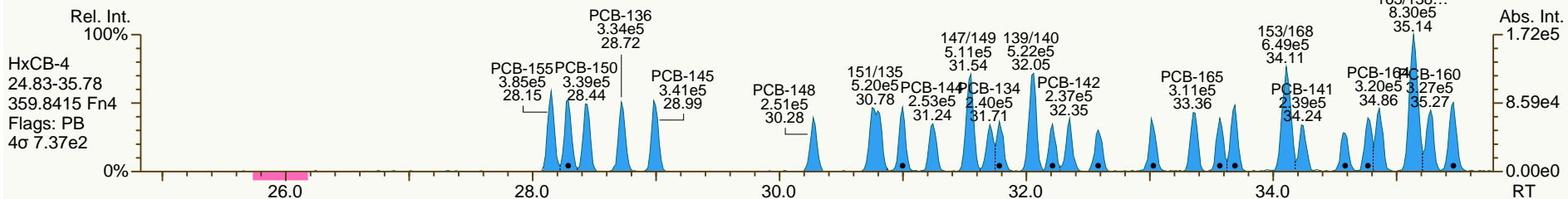
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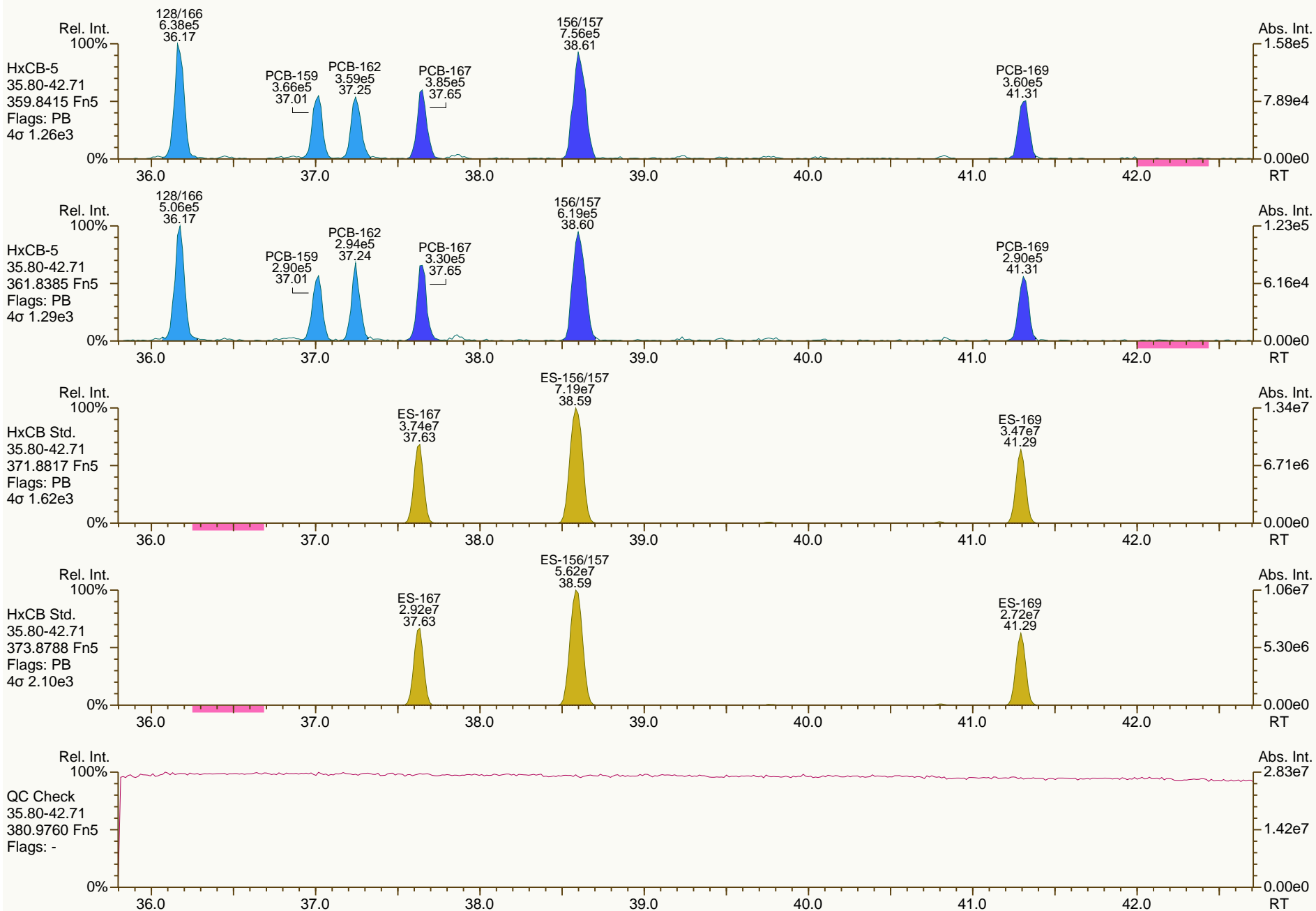
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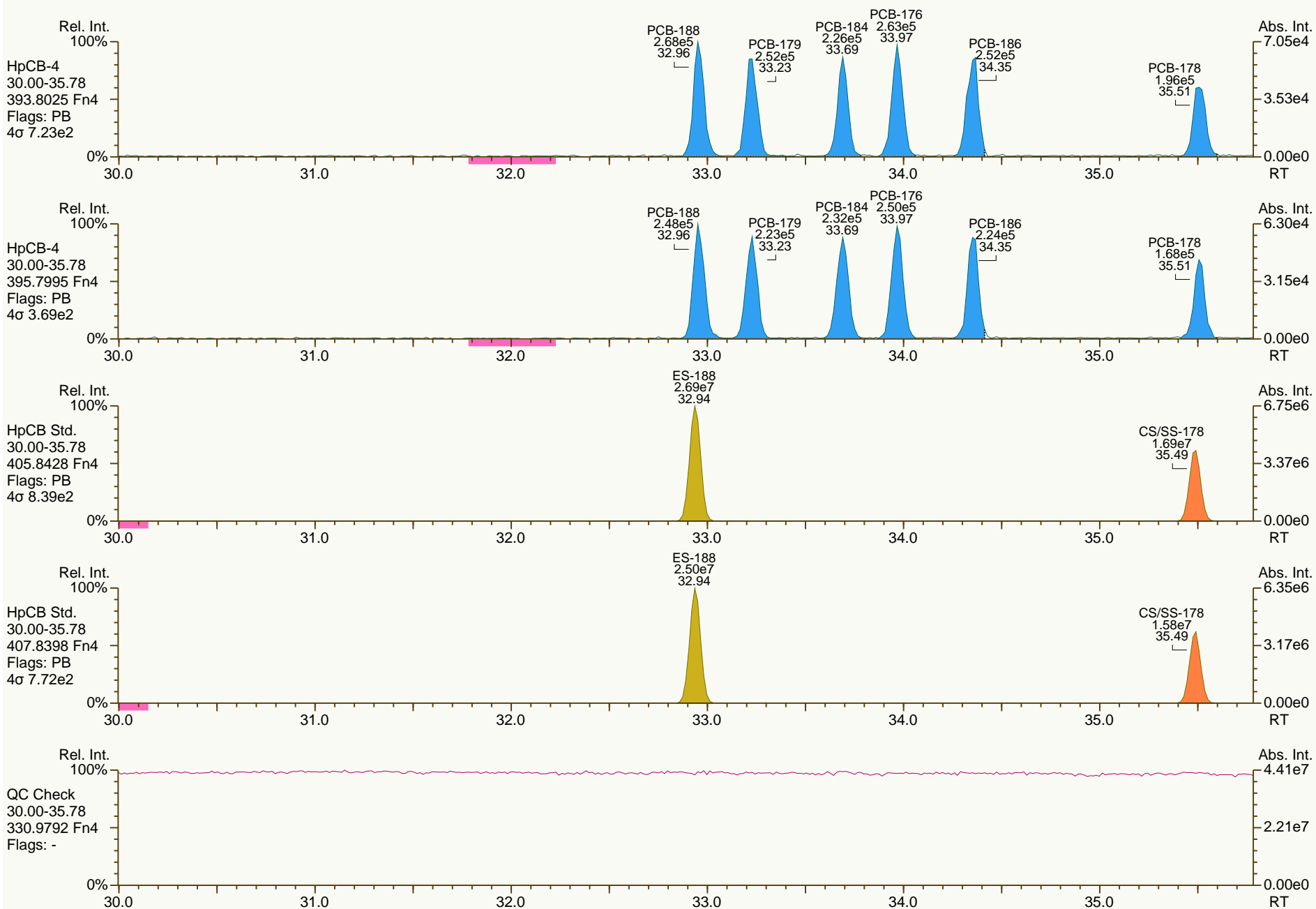
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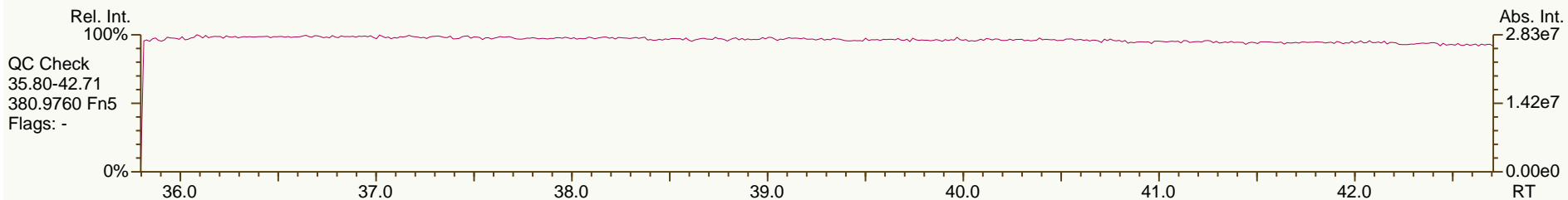
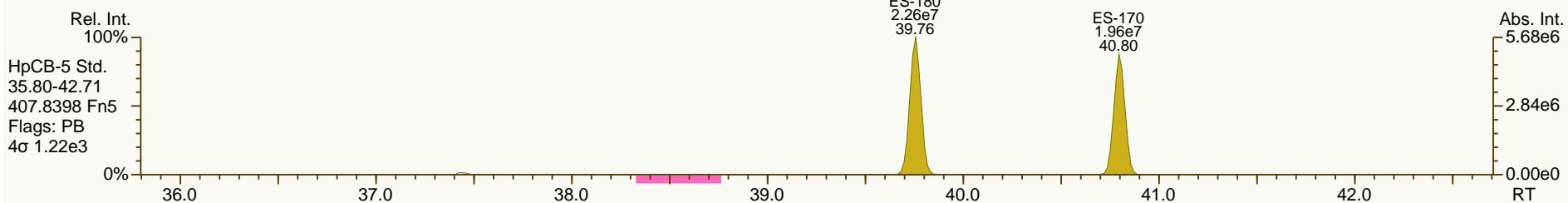
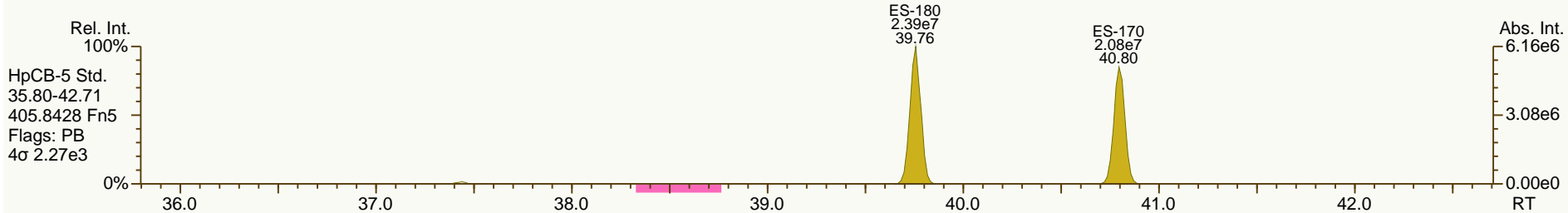
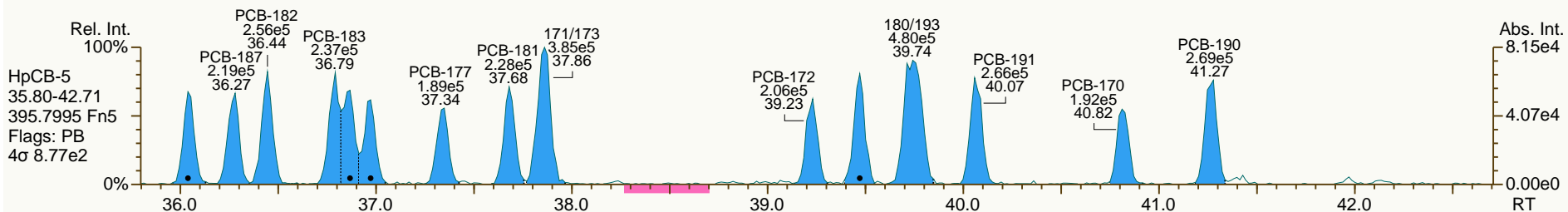
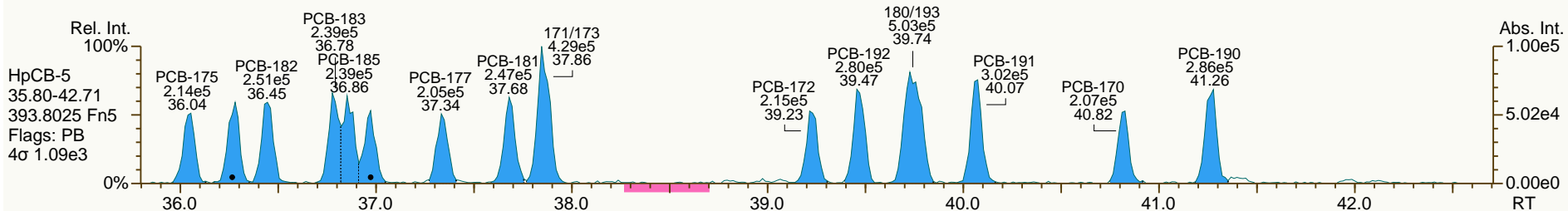
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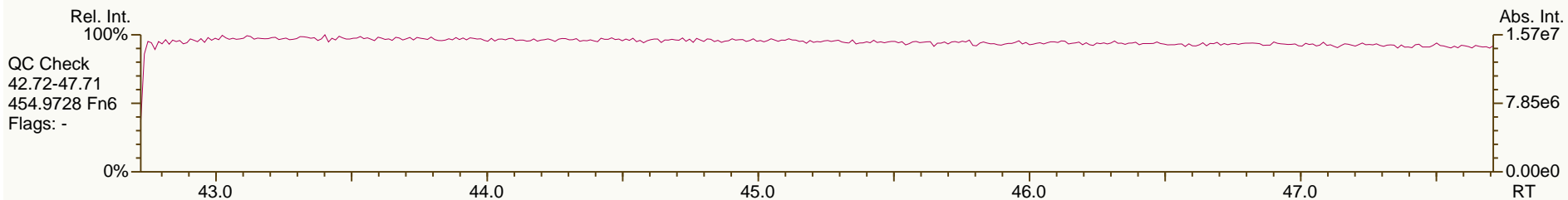
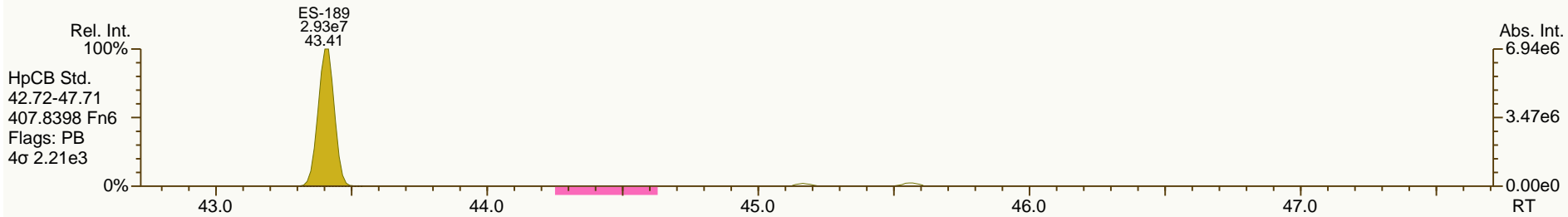
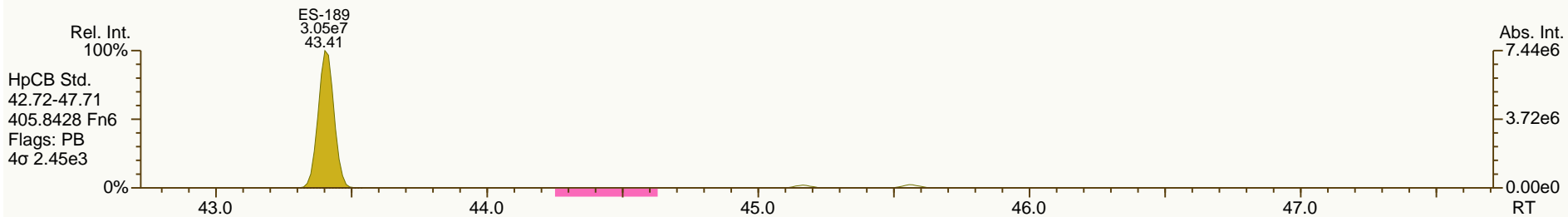
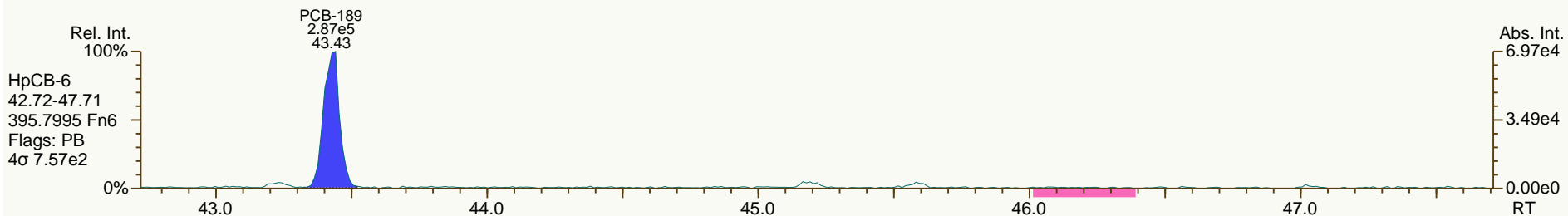
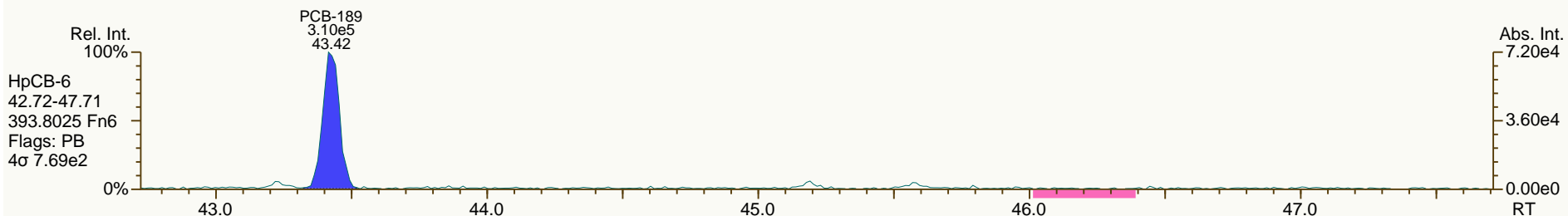
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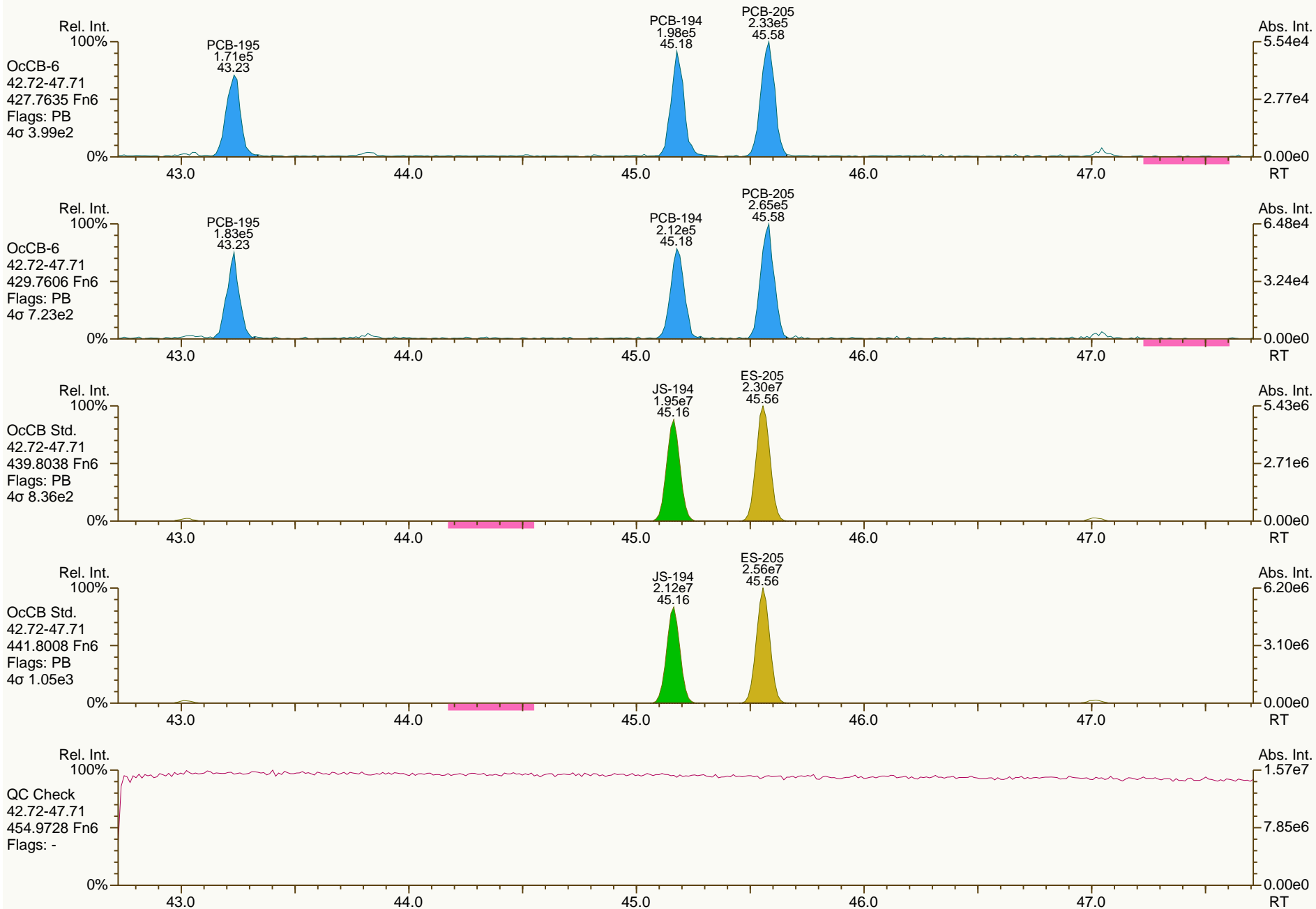
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Sample ID: SIL 12-65-5
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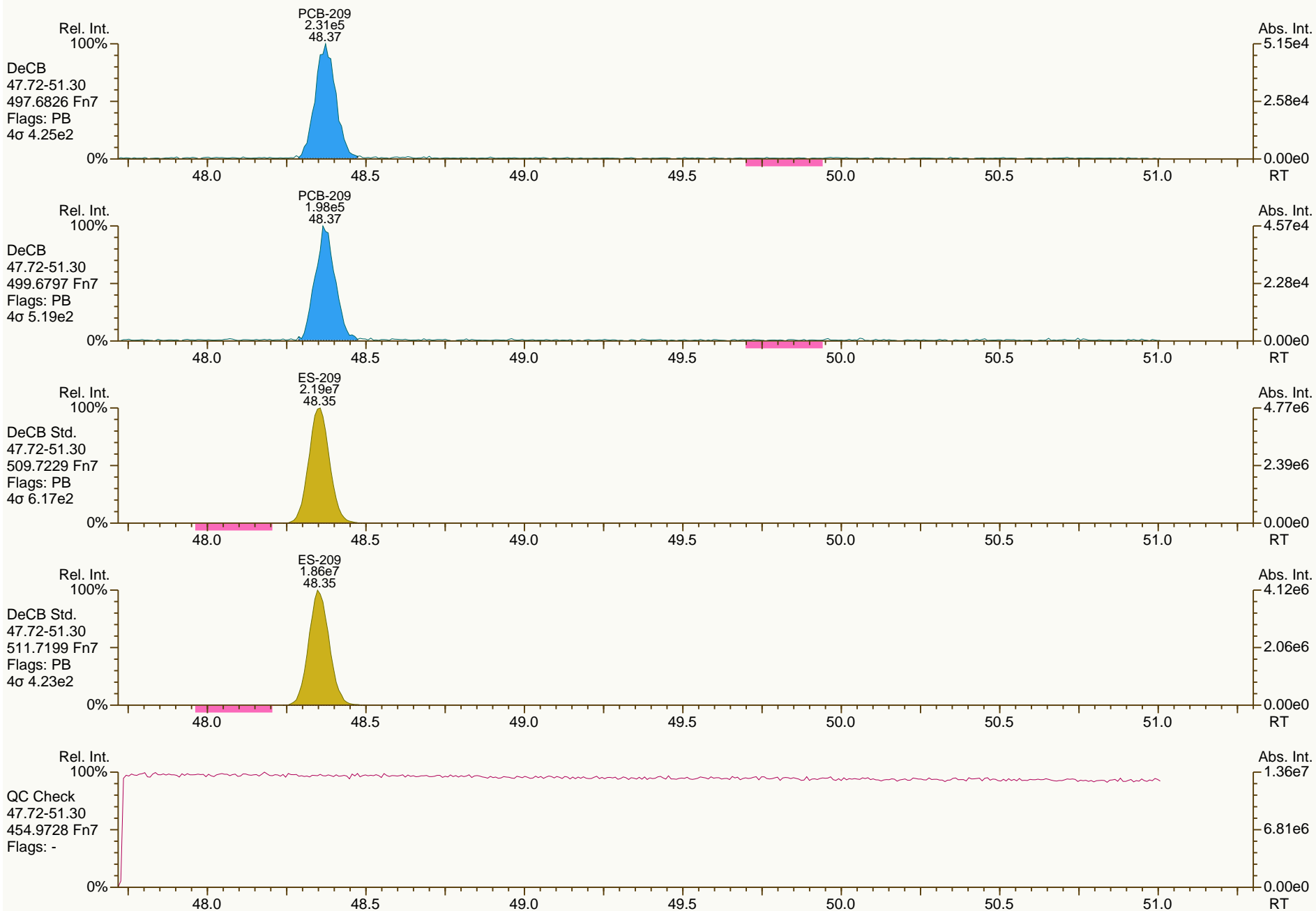
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PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
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Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.55	4.14E+06	0.79 Y	1.13	1.09	-4.2%	
PCB-81 344'5'-TeCB	30.08	3.94E+06	0.78 Y	1.13	1.09	-3.5%	
PCB-105 233'44'-PeCB	33.50	3.47E+06	0.61 Y	1.09	1.06	-3.1%	
PCB-114 2344'5'-PeCB	32.97	3.76E+06	0.61 Y	1.16	1.13	-2.5%	
PCB-118 23'44'5'-PeCB	32.52	3.50E+06	0.62 Y	1.11	1.03	-6.6%	
PCB-123 2'344'5'-PeCB	32.24	3.79E+06	0.61 Y	1.19	1.19	-0.1%	
PCB-126 33'44'5'-PeCB	36.09	3.28E+06	0.64 Y	1.06	1.04	-2.3%	
PCB-156/157 233'44'5'/233'44'5'	38.61	6.77E+06	1.26 Y	1.11	1.07	-3.0%	
PCB-167 23'44'55'-HxCB	37.66	3.61E+06	1.27 Y	1.14	1.11	-2.0%	
PCB-169 33'44'55'-HxCB	41.32	3.32E+06	1.26 Y	1.11	1.10	-1.0%	
PCB-189 233'44'55'-HpCB	43.44	2.96E+06	1.10 Y	1.06	1.02	-3.5%	
PCB-209 DeCB	48.38	2.04E+06	1.17 Y	1.07	1.03	-4.2%	
ES PCB-1	10.65	1.12E+08	3.14 Y	1.08	1.07	-0.6%	
ES PCB-3	12.71	1.12E+08	3.20 Y	1.08	1.07	-1.1%	
ES PCB-4	12.93	5.11E+07	1.58 Y	0.49	0.49	0.5%	
ES PCB-15	18.25	1.14E+08	1.58 Y	1.11	1.10	-1.3%	
ES PCB-19	15.76	5.84E+07	1.07 Y	0.55	0.56	1.2%	
ES PCB-37	24.33	9.15E+07	1.06 Y	1.64	1.62	-0.9%	
ES PCB-54	18.50	5.45E+07	0.77 Y	0.94	0.97	2.7%	
ES PCB-77	30.53	7.63E+07	0.79 Y	1.35	1.35	0.4%	
ES PCB-81	30.06	7.24E+07	0.79 Y	1.29	1.28	-0.3%	
ES PCB-104	23.29	5.25E+07	1.56 Y	0.99	1.00	0.5%	
ES PCB-105	33.47	6.54E+07	1.59 Y	1.23	1.24	0.8%	
ES PCB-114	32.94	6.65E+07	1.60 Y	1.25	1.26	1.3%	
ES PCB-118	32.49	6.77E+07	1.61 Y	1.28	1.29	0.4%	
ES PCB-123	32.22	6.38E+07	1.58 Y	1.22	1.21	-0.4%	
ES PCB-126	36.07	6.33E+07	1.61 Y	1.20	1.20	0.3%	
ES PCB-153	34.07	5.02E+07	1.26 Y	1.14	1.15	0.5%	
ES PCB-155	28.14	6.54E+07	1.29 Y	1.50	1.50	0.0%	
ES PCB-156/157	38.60	1.26E+08	1.28 Y	1.45	1.44	-0.9%	
ES PCB-167	37.64	6.48E+07	1.26 Y	1.49	1.48	-0.8%	
ES PCB-169	41.30	6.05E+07	1.26 Y	1.40	1.38	-1.6%	
ES PCB-170	40.81	3.95E+07	1.05 Y	1.00	0.99	-0.8%	
ES PCB-180	39.76	4.54E+07	1.06 Y	1.16	1.14	-1.3%	
ES PCB-188	32.95	5.11E+07	1.07 Y	1.18	1.17	-0.8%	
ES PCB-189	43.42	5.81E+07	1.02 Y	1.49	1.46	-1.7%	
ES PCB-202	37.44	4.95E+07	0.90 Y	1.14	1.13	-0.4%	
ES PCB-205	45.57	4.72E+07	0.90 Y	1.20	1.19	-1.0%	
ES PCB-206	47.02	3.42E+07	0.79 Y	0.87	0.86	-0.9%	
ES PCB-208	43.02	4.70E+07	0.80 Y	1.19	1.18	-0.6%	
ES PCB-209	48.36	3.96E+07	1.19 Y	1.00	1.00	-0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS2_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.89	9.87E+07	1.05 Y	1.07	1.08	0.4%	
SS PCB-111	30.58	6.46E+07	1.61 Y	1.01	1.01	0.6%	
SS PCB-178	35.50	3.27E+07	1.07 Y	0.63	0.64	1.9%	
CS PCB-28	20.89	9.87E+07	1.05 Y	1.76	1.75	-0.5%	
CS PCB-111	30.58	6.46E+07	1.61 Y	1.23	1.23	0.2%	
CS PCB-178	35.50	3.27E+07	1.07 Y	0.74	0.75	1.1%	
JS PCB-9	14.75	1.04E+08	1.58 Y	-	-	-	
JS PCB-52	22.46	5.64E+07	0.80 Y	-	-	-	
JS PCB-101	28.31	5.26E+07	1.57 Y	-	-	-	
JS PCB-138	35.11	4.37E+07	1.27 Y	-	-	-	
JS PCB-194	45.17	3.97E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%	
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%	
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%	
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%	
PCB-19 22'6'-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%	
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%	
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%	
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%	
PCB-153 22'44'55'-HxCB	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%	
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%	
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%	
PCB-180 22'344'55'-HpCB	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%	
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%	
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%	
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%	
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.68E+06	3.23 Y	1.03	1.01	-1.7%
PCB-2 3-MoCB	12.55	5.71E+06	3.28 Y	1.04	1.02	-1.8%
PCB-3 4-MoCB	12.72	5.62E+06	3.25 Y	1.04	1.01	-3.4%
PCB-4 22'-DiCB	12.94	2.89E+06	1.56 Y	1.17	1.13	-3.3%
PCB-10 26-DiCB	13.11	4.57E+06	1.56 Y	1.83	1.79	-2.5%
PCB-9 25-DiCB	14.77	5.02E+06	1.62 Y	0.89	0.88	-1.7%
PCB-7 24-DiCB	14.92	5.75E+06	1.59 Y	1.02	1.01	-1.8%
PCB-6 23'-DiCB	15.13	5.30E+06	1.65 Y	0.95	0.93	-2.2%
PCB-5 23-DiCB	15.41	5.38E+06	1.62 Y	0.97	0.94	-3.2%
PCB-8 24'-DiCB	15.52	5.61E+06	1.62 Y	0.98	0.98	-0.1%
PCB-14 35-DiCB	16.99	6.45E+06	1.64 Y	1.16	1.13	-2.4%
PCB-11 33'-DiCB	17.72	5.59E+06	1.59 Y	1.00	0.98	-2.0%
PCB-13/12 34'-/34-DiCB	17.99	1.13E+07	1.57 Y	1.02	0.99	-2.9%
PCB-15 44'-DiCB	18.26	5.95E+06	1.63 Y	1.08	1.04	-3.7%
PCB-19 22'6-TrCB	15.78	3.04E+06	1.06 Y	1.09	1.04	-4.9%
PCB-30/18 246-/22'5-TrCB	17.44	8.35E+06	1.09 Y	1.46	1.43	-2.1%
PCB-17 22'4-TrCB	17.82	3.50E+06	1.09 Y	1.25	1.20	-4.3%
PCB-27 23'6-TrCB	18.00	4.67E+06	1.09 Y	1.69	1.60	-5.5%
PCB-24 236-TrCB	18.13	4.70E+06	1.09 Y	1.63	1.61	-1.5%
PCB-16 22'3-TrCB	18.21	2.60E+06	1.07 Y	0.95	0.89	-6.6%
PCB-32 24'6-TrCB	18.67	5.03E+06	1.06 Y	1.79	1.72	-3.7%
PCB-34 2'35-TrCB	19.78	4.70E+06	1.07 Y	1.05	1.03	-1.9%
PCB-23 235-TrCB	19.92	4.72E+06	1.02 Y	1.06	1.03	-2.5%
PCB-26/29 23'5-/245-TrCB	20.20	9.79E+06	1.05 Y	1.09	1.07	-1.4%
PCB-25 23'4-TrCB	20.38	4.78E+06	1.05 Y	1.07	1.04	-2.8%
PCB-31 24'5-TrCB	20.65	4.93E+06	1.03 Y	1.11	1.08	-3.0%
PCB-28/20 244'-/233'-TrCB	20.92	9.53E+06	1.05 Y	1.07	1.04	-2.4%
PCB-21/33 234-/2'34-TrCB	21.09	9.67E+06	1.03 Y	1.09	1.06	-3.2%
PCB-22 234'-TrCB	21.45	4.48E+06	1.05 Y	1.02	0.98	-3.6%
PCB-36 33'5-TrCB	22.80	4.93E+06	1.05 Y	1.13	1.08	-4.3%
PCB-39 34'5-TrCB	23.11	5.20E+06	1.08 Y	1.17	1.14	-2.5%
PCB-38 345-TrCB	23.61	4.65E+06	1.04 Y	1.03	1.02	-1.5%
PCB-35 33'4-TrCB	24.00	4.58E+06	1.02 Y	1.04	1.00	-3.7%
PCB-37 344'-TrCB	24.35	4.85E+06	1.05 Y	1.10	1.06	-4.1%
PCB-54 22'66'-TeCB	18.52	3.18E+06	0.78 Y	1.21	1.17	-3.4%
PCB-50/53 22'46-/22'56'TeCB	20.43	5.99E+06	0.79 Y	0.86	0.83	-3.3%
PCB-45 22'36'-TeCB	20.98	2.52E+06	0.77 Y	0.73	0.70	-4.5%
PCB-51 22'46'-TeCB	21.05	3.15E+06	0.78 Y	0.88	0.87	-1.0%
PCB-46 22'36'-TeCB	21.25	2.43E+06	0.78 Y	0.70	0.67	-3.3%
PCB-52 22'55'-TeCB	22.49	2.99E+06	0.80 Y	0.84	0.83	-1.9%
PCB-73 23'5'6TeCB	22.61	3.63E+06	0.78 Y	1.09	1.00	-7.8%
PCB-43 22'35'-TeCB	22.69	2.63E+06	0.80 Y	0.72	0.73	0.6%
PCB-69/49 23'46-/22'45'TeCB	22.89	7.17E+06	0.79 Y	1.01	0.99	-2.2%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.16	2.96E+06	0.79 Y	0.85	0.82	-3.7%
PCB-44/47/65 22'35'-/22'44'-	23.37	9.40E+06	0.79 Y	0.89	0.87	-2.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.22E+07	0.79 Y	1.14	1.13	-1.0%
PCB-42 22'34'-TeCB	23.79	2.74E+06	0.79 Y	0.77	0.76	-2.0%
PCB-41 22'34'-TeCB	24.10	2.40E+06	0.80 Y	0.73	0.66	-8.7%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	6.18E+06	0.80 Y	0.87	0.85	-1.3%
PCB-64 234'6'-TeCB	24.40	4.34E+06	0.78 Y	1.24	1.20	-3.0%
PCB-72 23'55'-TeCB	25.13	3.96E+06	0.80 Y	1.14	1.09	-4.3%
PCB-68 23'45'-TeCB	25.37	4.20E+06	0.77 Y	1.21	1.16	-4.1%
PCB-57 233'5'-TeCB	25.73	3.81E+06	0.79 Y	1.11	1.05	-4.8%
PCB-58 233'5'-TeCB	25.92	3.87E+06	0.78 Y	1.10	1.07	-2.8%
PCB-67 23'45'-TeCB	26.08	4.04E+06	0.78 Y	1.16	1.12	-3.8%
PCB-63 234'5'-TeCB	26.30	4.24E+06	0.80 Y	1.22	1.17	-3.6%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.61E+07	0.78 Y	1.13	1.11	-1.7%
PCB-66 23'44'-TeCB	26.86	3.76E+06	0.78 Y	1.08	1.04	-3.5%
PCB-55 233'4'-TeCB	26.99	3.84E+06	0.78 Y	1.10	1.06	-3.3%
PCB-56 233'4'-TeCB	27.42	3.63E+06	0.76 Y	1.06	1.00	-5.0%
PCB-60 2344'-TeCB	27.60	3.83E+06	0.78 Y	1.11	1.06	-4.7%
PCB-80 33'55'-TeCB	27.96	4.40E+06	0.75 Y	1.25	1.22	-2.9%
PCB-79 33'45'-TeCB	29.24	4.20E+06	0.77 Y	1.23	1.16	-5.9%
PCB-78 33'45'-TeCB	29.71	3.70E+06	0.78 Y	1.08	1.02	-5.3%
PCB-104 22'466'-PeCB	23.31	3.23E+06	0.63 Y	1.25	1.23	-1.9%
PCB-96 22'366'-PeCB	23.61	2.72E+06	0.62 Y	1.08	1.04	-3.5%
PCB-103 22'45'6'-PeCB	25.28	2.75E+06	0.64 Y	0.90	0.86	-4.4%
PCB-94 22'356'-PeCB	25.46	2.36E+06	0.62 Y	0.78	0.74	-4.8%
PCB-95 22'35'6'-PeCB	25.83	2.61E+06	0.62 Y	0.83	0.82	-1.0%
PCB-100/93 22'44'6-/22'356-P	26.04	5.34E+06	0.62 Y	0.84	0.84	-0.8%
PCB-102 22'456'-PeCB	26.15	2.71E+06	0.61 Y	0.90	0.85	-5.7%
PCB-98 22'3'46'-PeCB	26.21	2.41E+06	0.62 Y	0.77	0.76	-2.2%
PCB-88 22'346'-PeCB	26.50	2.46E+06	0.59 Y	0.79	0.77	-2.9%
PCB-91 22'34'6'-PeCB	26.57	2.73E+06	0.62 Y	0.88	0.86	-2.8%
PCB-84 22'33'6'-PeCB	26.75	2.20E+06	0.60 Y	0.71	0.69	-2.9%
PCB-89 22'346'-PeCB	27.15	2.38E+06	0.63 Y	0.76	0.75	-2.1%
PCB-121 23'45'6'-PeCB	27.53	3.55E+06	0.60 Y	1.14	1.11	-2.9%
PCB-92 22'355'-PeCB	27.83	2.48E+06	0.60 Y	0.80	0.78	-2.8%
PCB-113/90/101 233'5'6-/22'3	28.31	8.79E+06	0.60 Y	0.93	0.92	-1.8%
PCB-83 22'33'5'-PeCB	28.73	2.26E+06	0.63 Y	0.71	0.71	-0.4%
PCB-99 22'44'5'-PeCB	28.83	2.72E+06	0.61 Y	0.87	0.85	-2.3%
PCB-112 233'56'-PeCB	28.92	3.46E+06	0.64 Y	1.13	1.08	-3.8%
PCB-108/119/86/97/125/87 233	29.26	1.81E+07	0.61 Y	0.95	0.94	-0.5%
PCB-117 234'56'-PeCB	29.78	3.13E+06	0.62 Y	1.04	0.98	-5.6%
PCB-116/85 23456-/22'344'-Pe	29.86	6.16E+06	0.62 Y	0.97	0.97	-0.8%
PCB-110 233'4'6'-PeCB	29.99	3.21E+06	0.63 Y	1.02	1.01	-1.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS2_120725_PCB_XB
 Acquired: 26-JUL-2012 04:44
 Datafile: 120725X17

ICAL: MM7_PCB_07132012_25JUL12

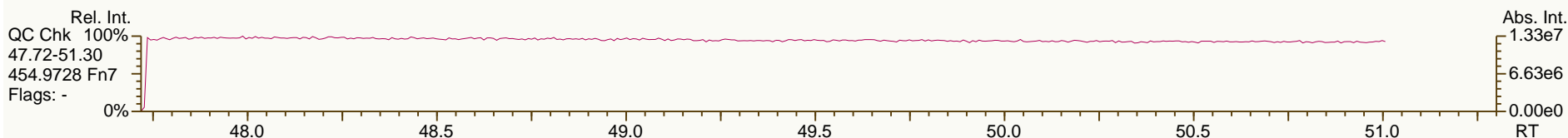
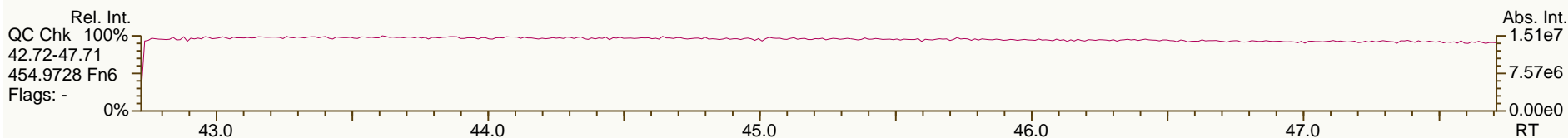
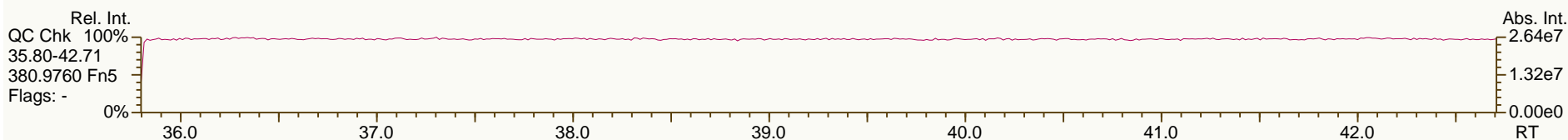
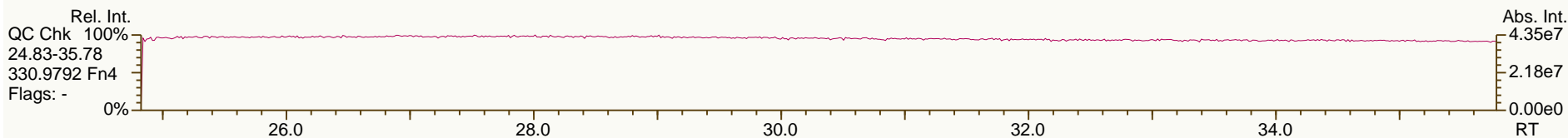
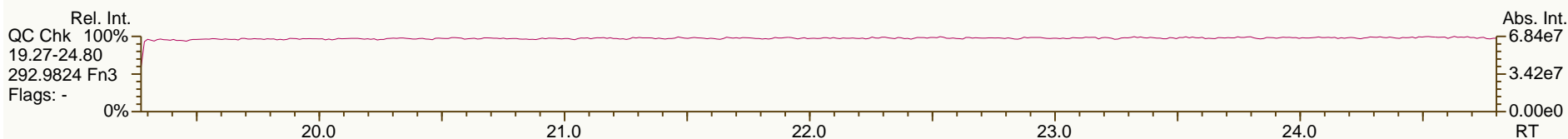
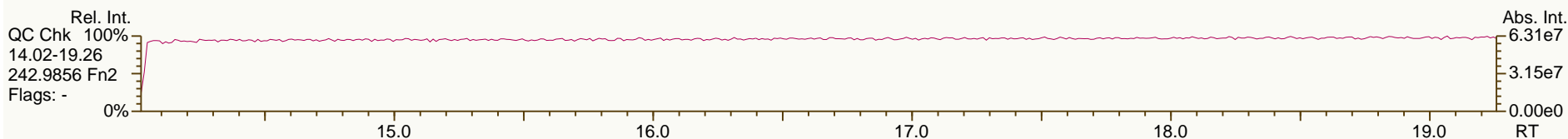
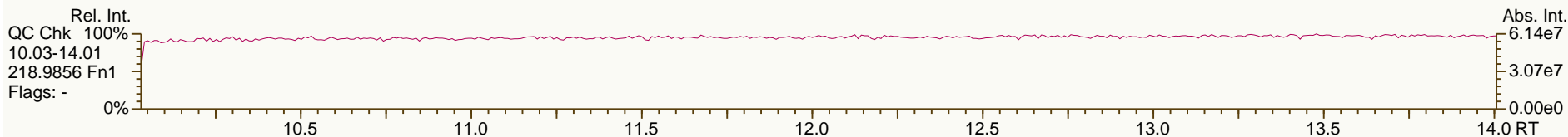
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.07	3.50E+06	0.62 Y	1.16	1.10	-5.3%
PCB-82 22'33'4-PeCB	30.25	2.13E+06	0.63 Y	0.69	0.67	-3.4%
PCB-111 233'55'-PeCB	30.60	3.61E+06	0.62 Y	1.15	1.13	-2.0%
PCB-120 23'455'-PeCB	30.99	3.66E+06	0.61 Y	1.16	1.15	-1.2%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.75E+06	0.62 Y	1.07	1.06	-1.6%
PCB-109 233'46-PeCB	32.14	3.32E+06	0.61 Y	1.14	1.04	-8.9%
PCB-106 233'45-PeCB	32.34	3.43E+06	0.62 Y	1.07	1.08	0.5%
PCB-122 2'33'45-PeCB	32.80	3.19E+06	0.61 Y	1.00	0.96	-4.2%
PCB-127 33'455'-PeCB	34.74	3.51E+06	0.61 Y	1.10	1.07	-2.4%
PCB-155 22'44'66'-HxCB	28.16	3.41E+06	1.29 Y	1.09	1.04	-4.4%
PCB-152 22'3566'-HxCB	28.30	3.21E+06	1.28 Y	1.01	0.98	-3.1%
PCB-150 22'34'66'-HxCB	28.45	3.21E+06	1.25 Y	1.00	0.98	-2.2%
PCB-136 22'33'66'-HxCB	28.73	3.01E+06	1.22 Y	0.95	0.92	-3.5%
PCB-145 22'3466'HxCB	29.00	3.09E+06	1.27 Y	0.96	0.94	-1.8%
PCB-148 22'34'56'-HxCB	30.29	2.30E+06	1.26 Y	0.97	0.92	-5.4%
PCB-151/135 22'355'6-/22'33'	30.79	4.63E+06	1.23 Y	0.96	0.92	-4.1%
PCB-154 22'44'5'6-HxCB	31.00	2.65E+06	1.31 Y	1.09	1.06	-2.9%
PCB-144 22'345'6-HxCB	31.25	2.37E+06	1.29 Y	0.98	0.95	-3.8%
PCB-147/149 22'34'56-/22'34'	31.55	4.78E+06	1.28 Y	0.99	0.95	-3.3%
PCB-134 22'33'56-HxCB	31.71	1.90E+06	1.24 Y	0.80	0.76	-5.6%
PCB-143 22'3456'-HxCB	31.79	2.25E+06	1.26 Y	0.95	0.90	-6.0%
PCB-139/140 22'344'6-/22'344'	32.06	4.86E+06	1.25 Y	1.00	0.97	-3.1%
PCB-131 22'33'46-HxCB	32.22	2.08E+06	1.32 Y	0.85	0.83	-2.6%
PCB-142 22'3456-HxCB	32.36	2.11E+06	1.30 Y	0.87	0.84	-3.7%
PCB-132 22'33'46'-HxCB	32.60	2.15E+06	1.26 Y	0.89	0.86	-3.8%
PCB-133 22'33'55'-HxCB	33.03	2.21E+06	1.25 Y	0.91	0.88	-3.6%
PCB-165 233'55'6-HxCB	33.37	2.72E+06	1.27 Y	1.13	1.08	-4.3%
PCB-146 22'34'55'-HxCB	33.58	2.38E+06	1.23 Y	1.01	0.95	-5.8%
PCB-161 233'45'6-HxCB	33.69	3.02E+06	1.26 Y	1.25	1.20	-3.9%
PCB-153/168 22'44'55'-/23'44'	34.12	5.75E+06	1.25 Y	1.22	1.15	-6.0%
PCB-141 22'3455'-HxCB	34.25	2.23E+06	1.26 Y	0.93	0.89	-4.1%
PCB-130 22'33'45'-HxCB	34.59	2.04E+06	1.30 Y	0.85	0.81	-4.0%
PCB-137 22'344'5-HxCB	34.78	2.64E+06	1.31 Y	1.04	1.05	1.0%
PCB-164 233'4'5'6-HxCB	34.87	2.80E+06	1.27 Y	1.22	1.12	-8.9%
PCB-163/138/129 233'4'56-/22'	35.15	7.49E+06	1.28 Y	1.02	1.00	-2.8%
PCB-160 233'456-HxCB	35.28	2.83E+06	1.29 Y	1.21	1.13	-6.6%
PCB-158 233'44'6-HxCB	35.46	3.25E+06	1.26 Y	1.34	1.30	-3.0%
PCB-128/166 22'33'44'-/2344'5	36.18	5.65E+06	1.27 Y	0.90	0.87	-2.9%
PCB-159 233'455'-HxCB	37.02	3.30E+06	1.23 Y	1.06	1.02	-4.1%
PCB-162 233'4'55'-HxCB	37.26	3.40E+06	1.24 Y	1.08	1.05	-2.4%
PCB-188 22'34'566'-HpCB	32.97	2.62E+06	1.10 Y	1.03	1.02	-0.9%
PCB-179 22'33'566'-HpCB	33.23	2.41E+06	1.06 Y	0.97	0.94	-2.5%
PCB-184 22'344'66'-HpCB	33.70	2.30E+06	1.03 Y	0.93	0.90	-3.4%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:13		
Lab ID:	CS2_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 04:44						
Datafile:	120725X17						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	2.66E+06	1.09 Y	1.05	1.04	-0.7%	
PCB-186 22'34566'-HpCB	34.36	2.47E+06	1.07 Y	0.98	0.97	-1.6%	
PCB-178 22'33'55'6'-HpCB	35.52	1.83E+06	1.09 Y	0.74	0.72	-2.4%	
PCB-175 22'33'45'6'-HpCB	36.05	2.25E+06	1.09 Y	1.01	0.99	-1.7%	
PCB-187 22'34'55'6'-HpCB	36.28	2.40E+06	1.02 Y	1.06	1.06	-0.4%	
PCB-182 22'344'56'-HpCB	36.45	2.42E+06	1.07 Y	1.11	1.07	-3.8%	
PCB-183 22'344'5'6'-HpCB	36.80	2.61E+06	1.06 Y	1.13	1.15	1.7%	
PCB-185 22'3455'6'-HpCB	36.87	2.18E+06	1.09 Y	1.02	0.96	-5.5%	
PCB-174 22'33'456'-HpCB	36.98	2.06E+06	1.07 Y	0.93	0.91	-2.2%	
PCB-177 22'33'4'56'-HpCB	37.35	2.01E+06	1.02 Y	0.91	0.89	-2.0%	
PCB-181 22'344'56'-HpCB	37.69	2.30E+06	1.06 Y	1.06	1.02	-4.4%	
PCB-171/173 22'33'44'6'-/22'3	37.87	4.10E+06	1.04 Y	0.93	0.90	-2.6%	
PCB-172 22'33'455'-HpCB	39.23	2.09E+06	1.09 Y	0.95	0.92	-3.5%	
PCB-192 233'455'6'-HpCB	39.48	2.74E+06	1.07 Y	1.24	1.21	-2.7%	
PCB-180/193 22'344'55'-/233'	39.75	5.17E+06	1.04 Y	1.16	1.14	-1.6%	
PCB-191 233'44'5'6'-HpCB	40.08	2.85E+06	1.05 Y	1.30	1.25	-3.7%	
PCB-170 22'33'44'5'-HpCB	40.83	2.06E+06	1.09 Y	1.07	1.04	-2.8%	
PCB-190 233'44'56'-HpCB	41.27	2.77E+06	1.06 Y	1.45	1.41	-3.1%	
PCB-202 22'33'55'66'-OcCB	37.46	2.20E+06	0.92 Y	0.91	0.89	-2.7%	
PCB-201 22'33'45'66'-OcCB	38.24	2.49E+06	0.92 Y	1.02	1.00	-1.7%	
PCB-204 22'344'566'-OcCB	38.81	2.36E+06	0.89 Y	0.98	0.95	-2.4%	
PCB-197 22'33'44'66'-OcCB	38.99	2.55E+06	0.94 Y	1.06	1.03	-3.2%	
PCB-200 22'33'4566'-OcCB	39.07	2.36E+06	0.93 Y	0.96	0.95	-1.0%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.43E+06	0.91 Y	0.72	0.69	-3.3%	
PCB-196 22'33'44'56'-OcCB	41.97	1.79E+06	0.87 Y	0.73	0.72	-1.1%	
PCB-203 22'344'55'6'-OcCB	42.14	1.82E+06	0.92 Y	0.76	0.74	-3.6%	
PCB-195 22'33'44'56'-OcCB	43.24	1.80E+06	0.88 Y	0.80	0.76	-4.7%	
PCB-194 22'33'44'55'-OcCB	45.19	1.99E+06	0.92 Y	0.87	0.84	-3.7%	
PCB-205 233'44'55'6'-OcCB	45.59	2.46E+06	0.91 Y	1.09	1.04	-4.2%	
PCB-208 22'33'455'66'-NoCB	43.05	2.30E+06	0.75 Y	1.02	0.98	-3.8%	
PCB-207 22'33'44'566'-NoCB	43.83	2.40E+06	0.77 Y	1.06	1.02	-3.4%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.63E+06	0.75 Y	0.98	0.95	-2.8%	

AP Lab ID: CS2_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

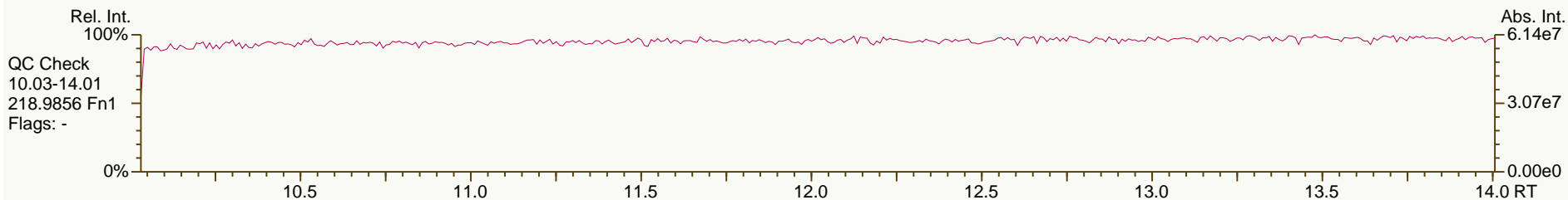
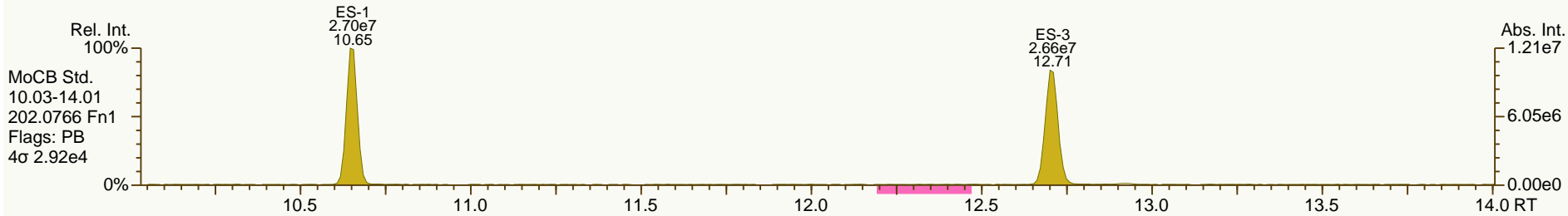
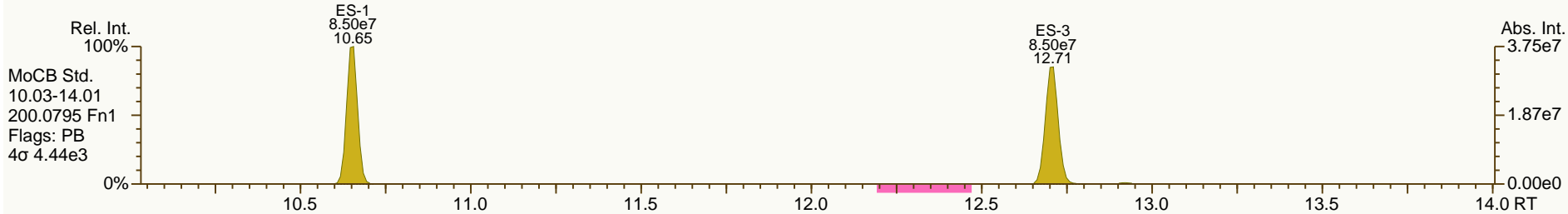
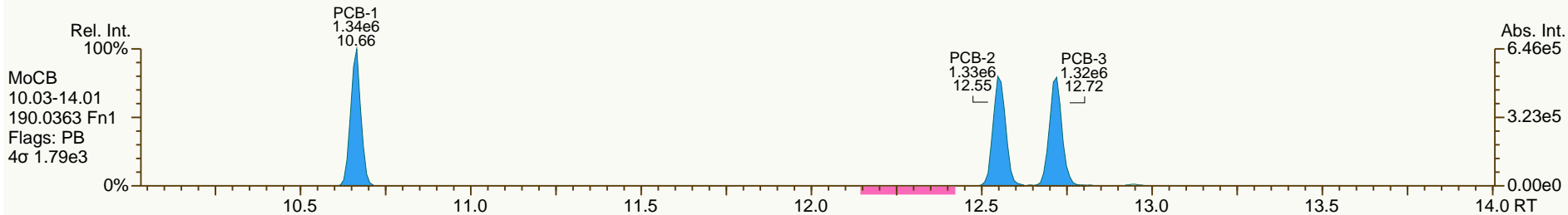
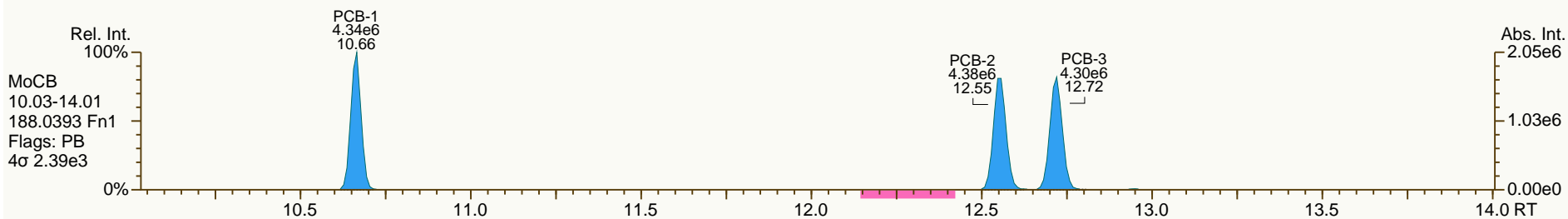
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

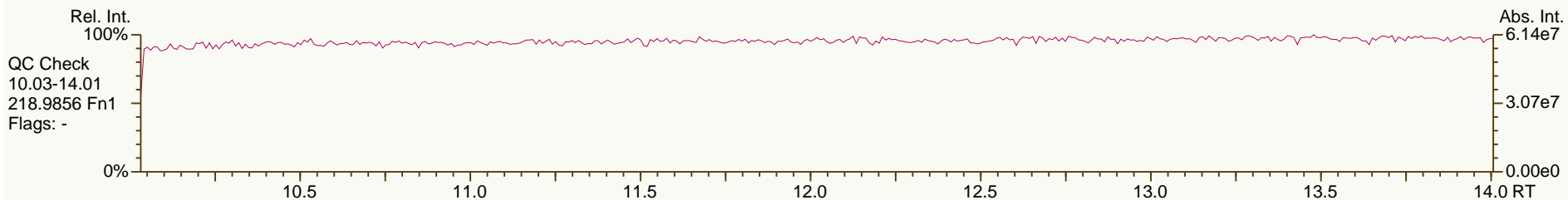
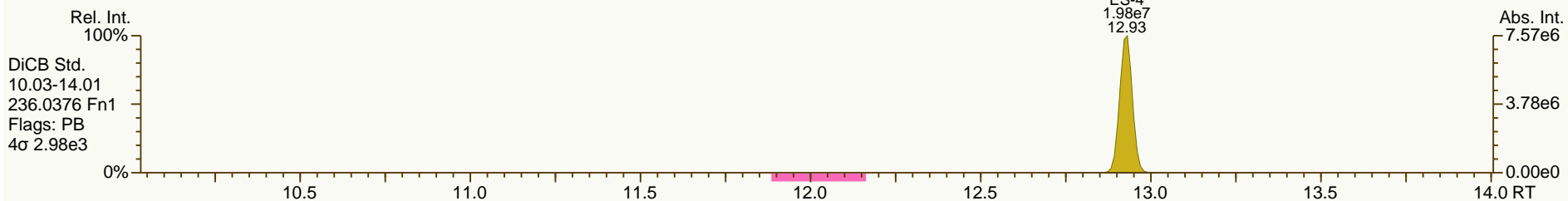
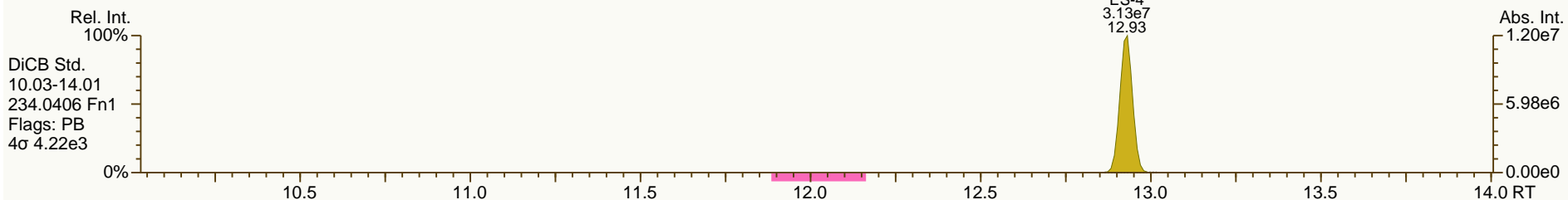
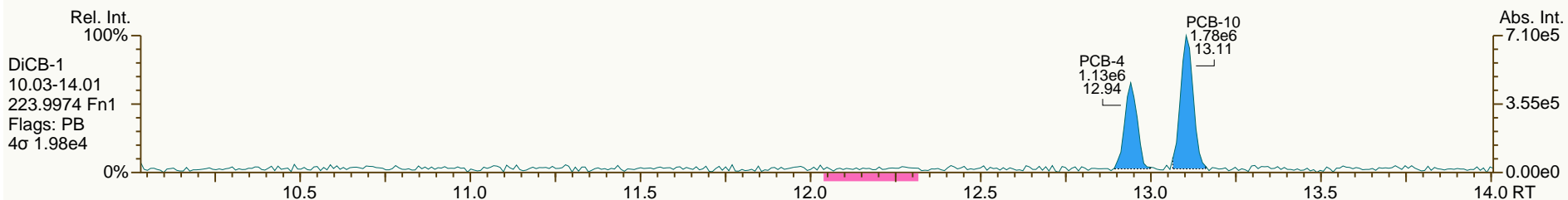
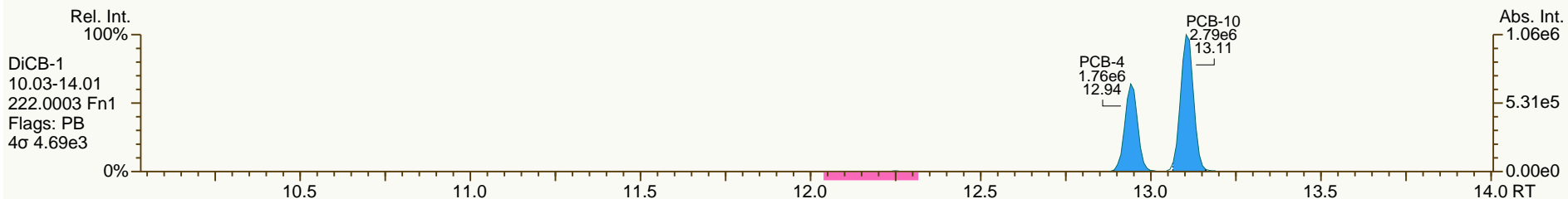
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

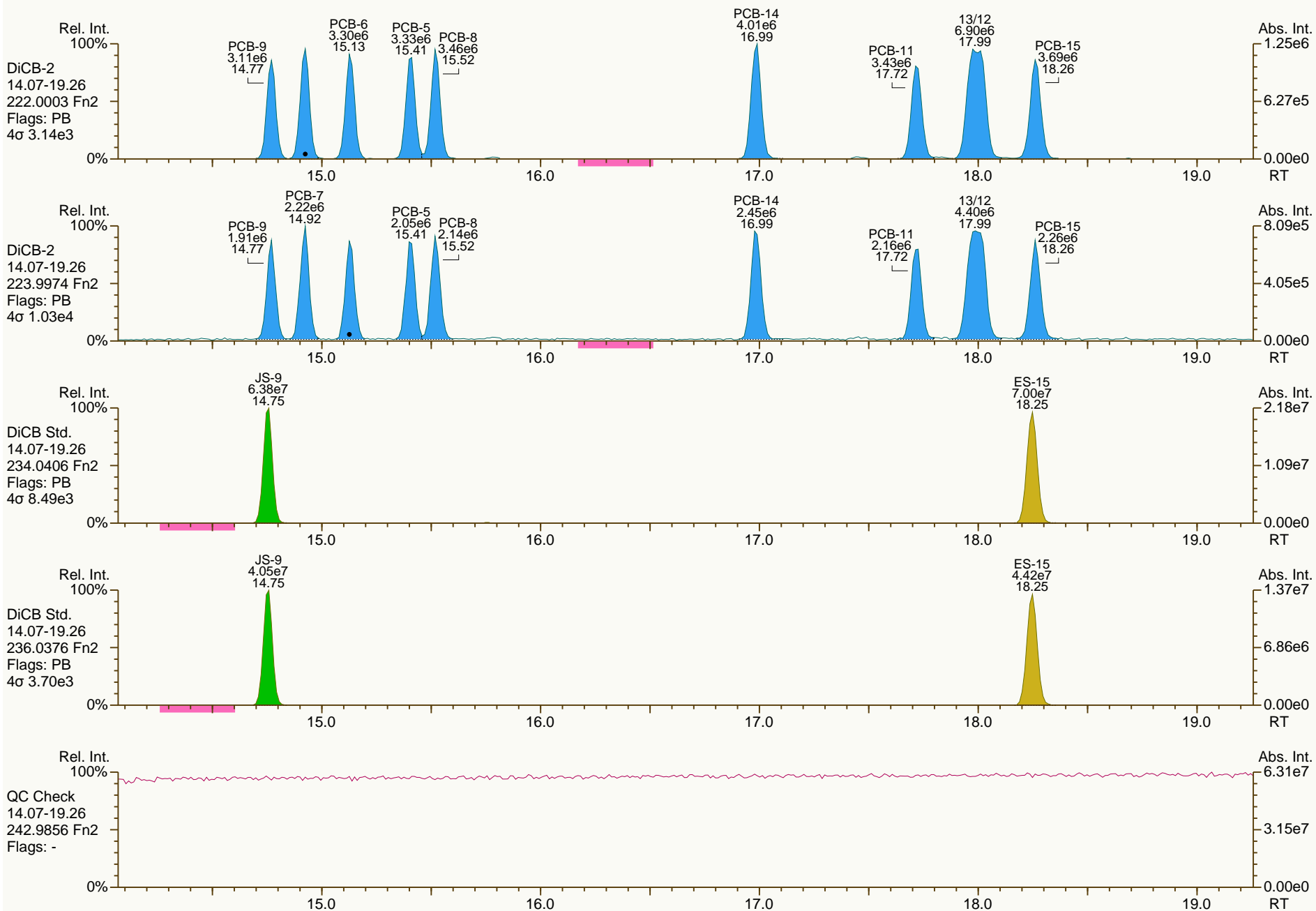
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
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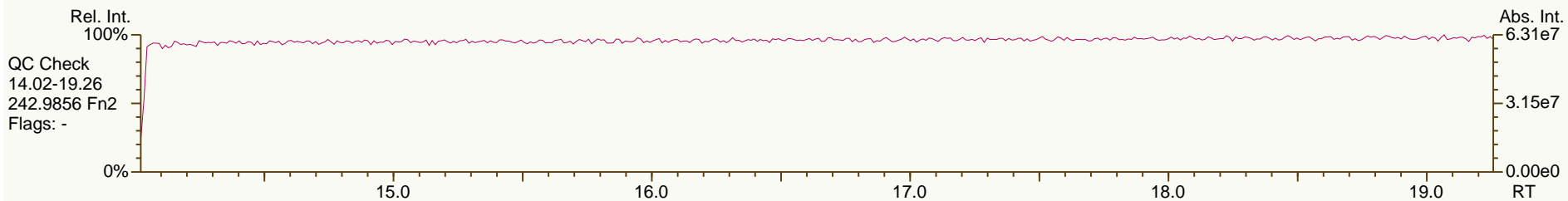
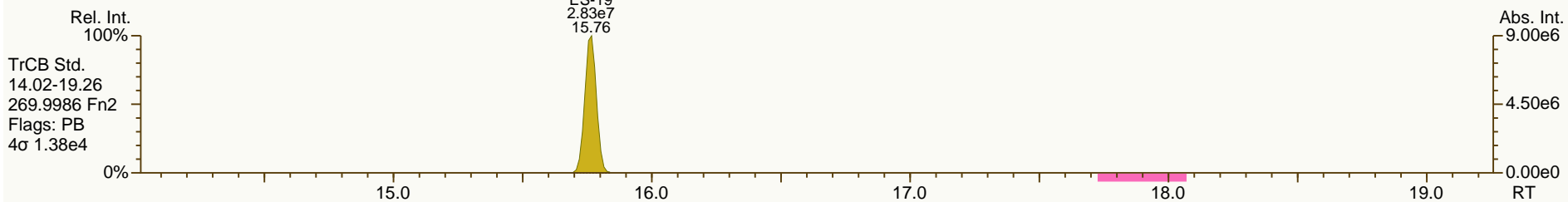
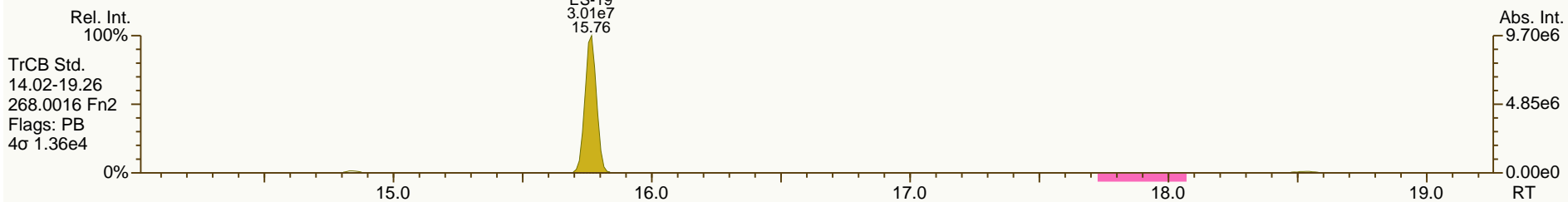
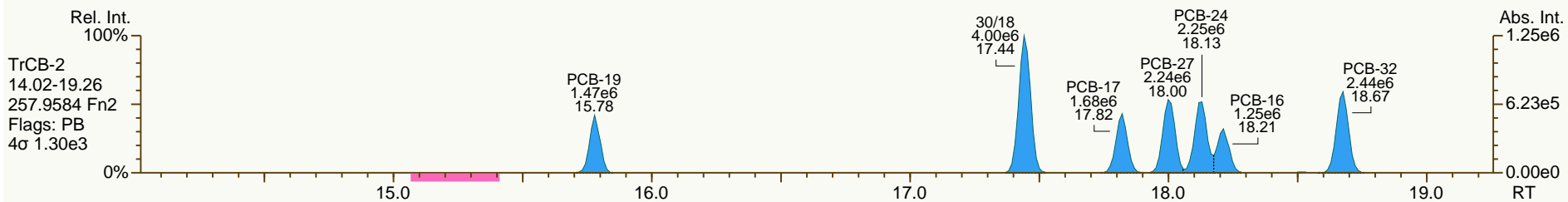
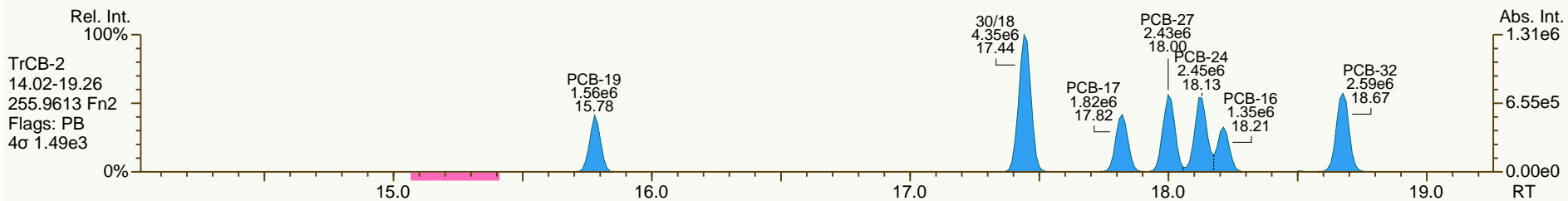
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

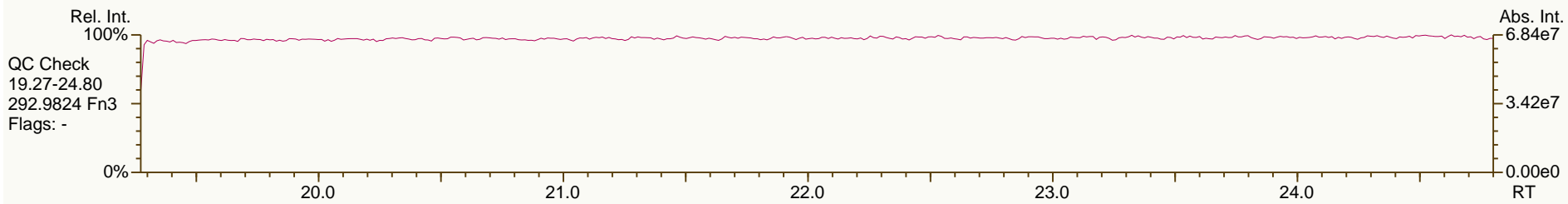
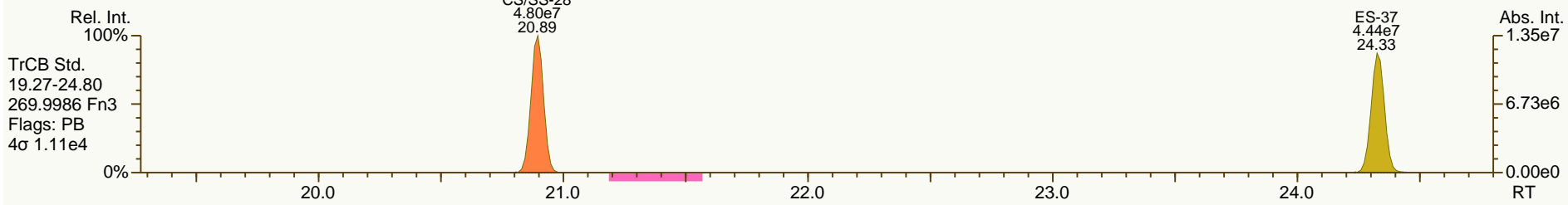
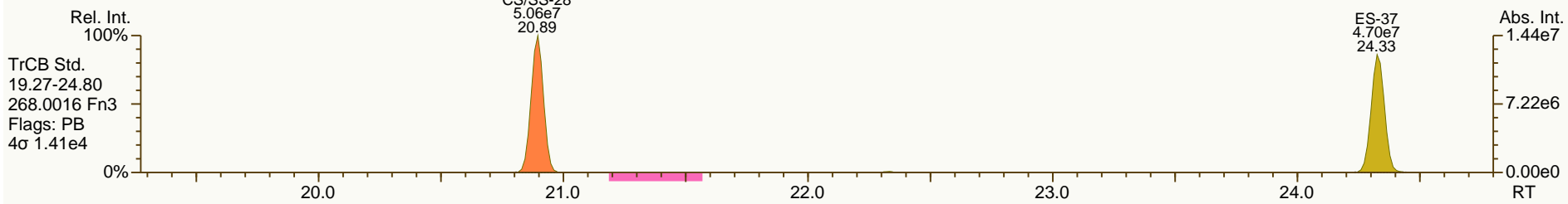
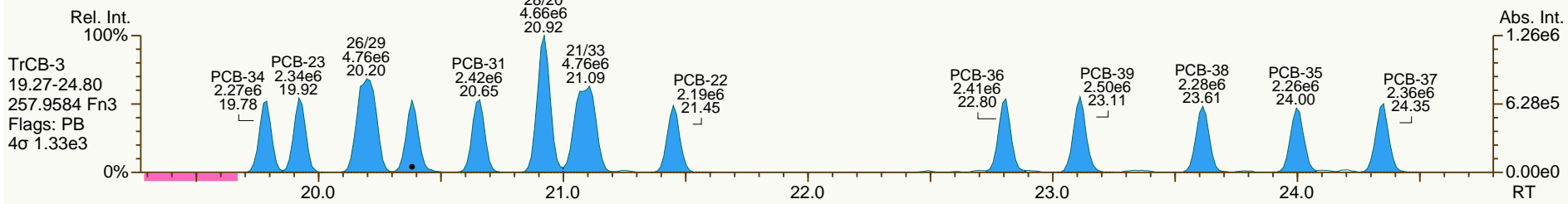
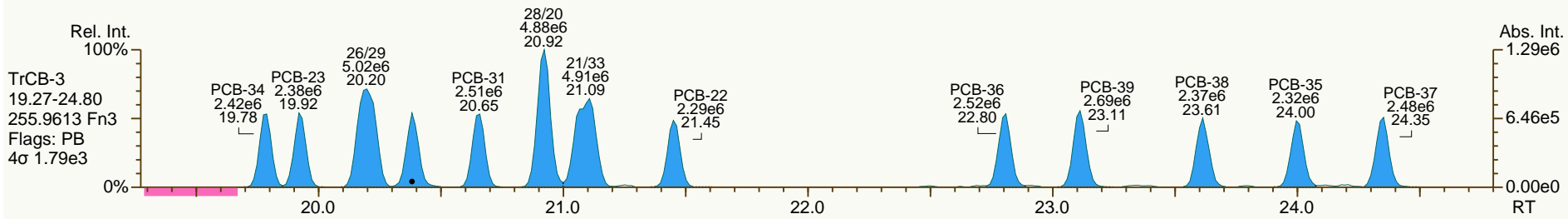
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AP Lab ID: CS2_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

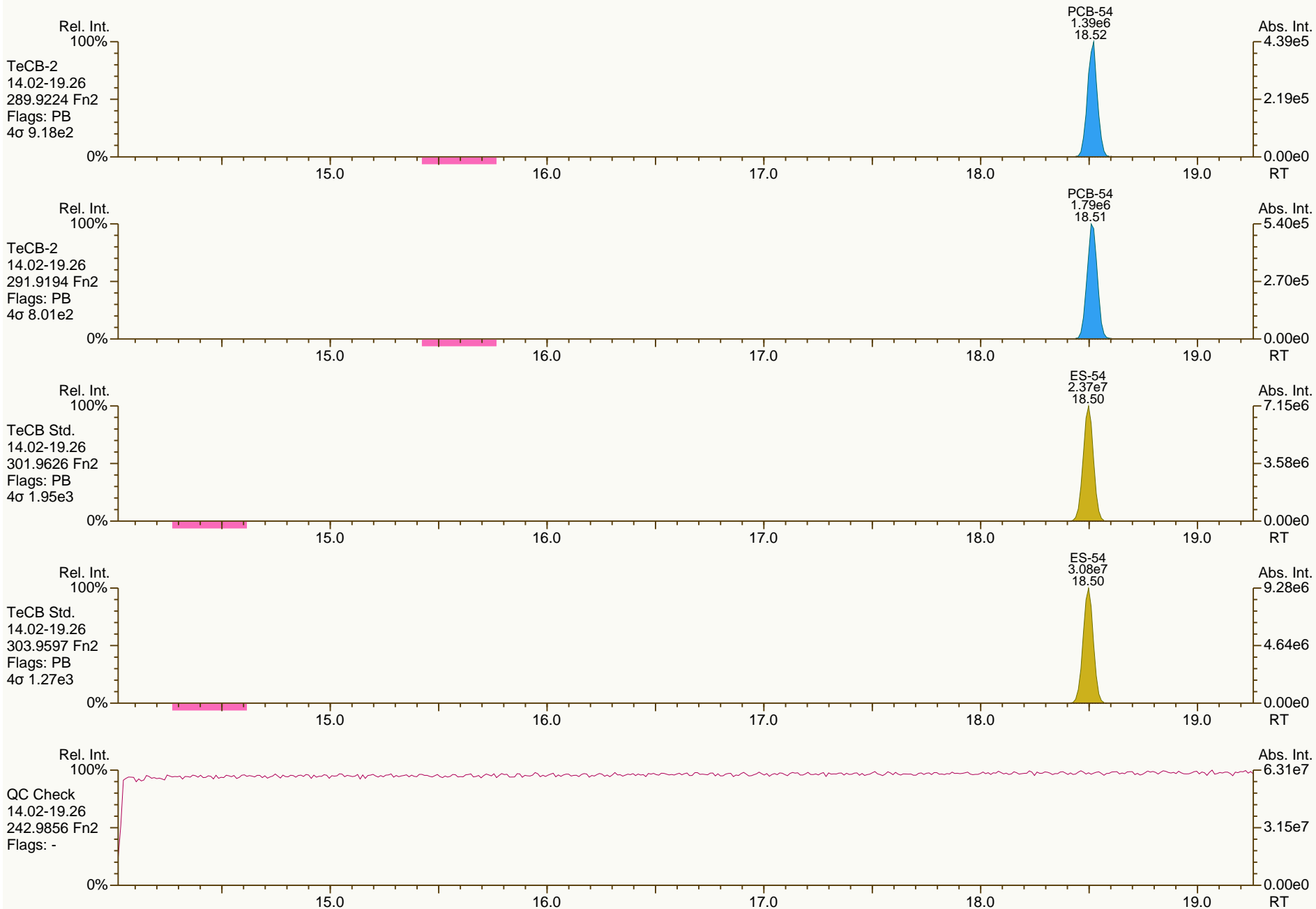
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

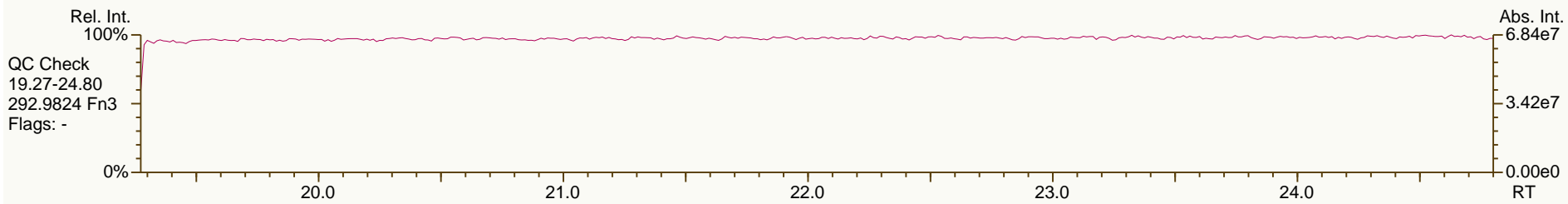
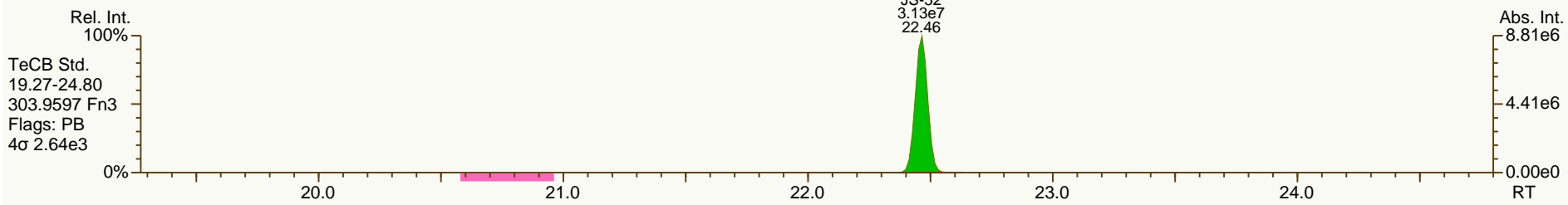
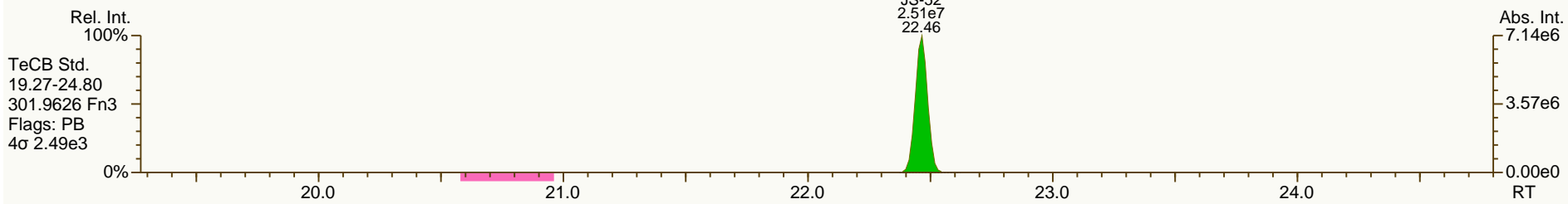
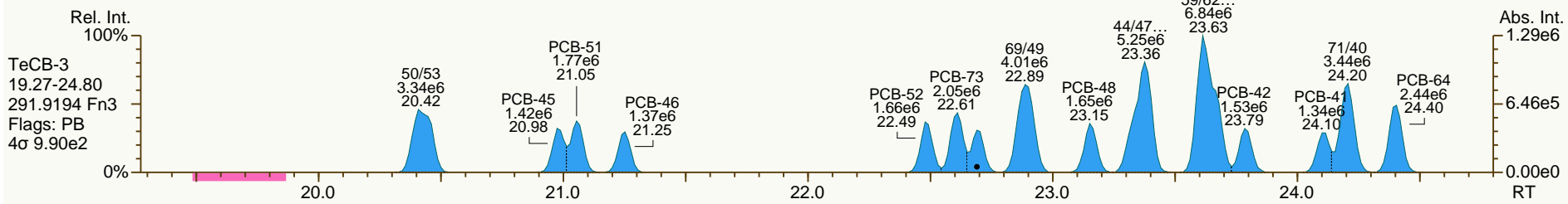
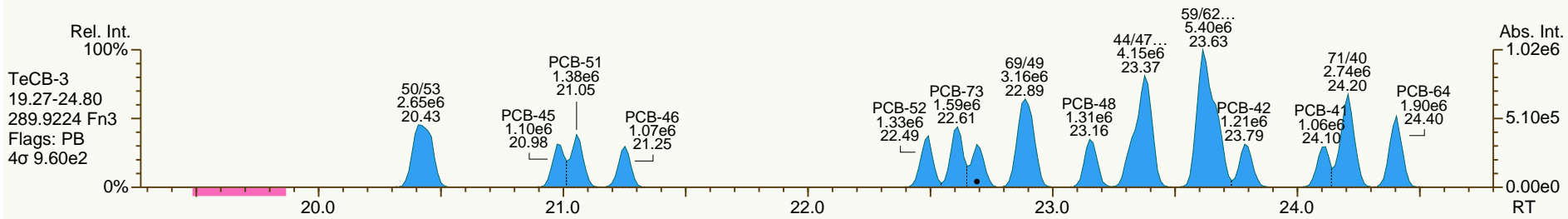
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

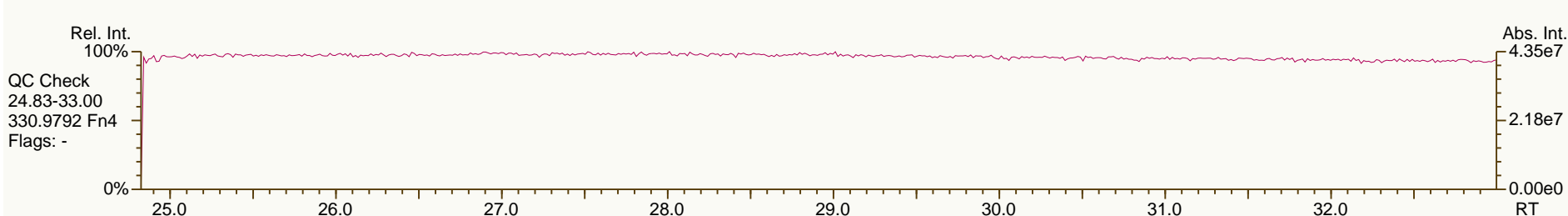
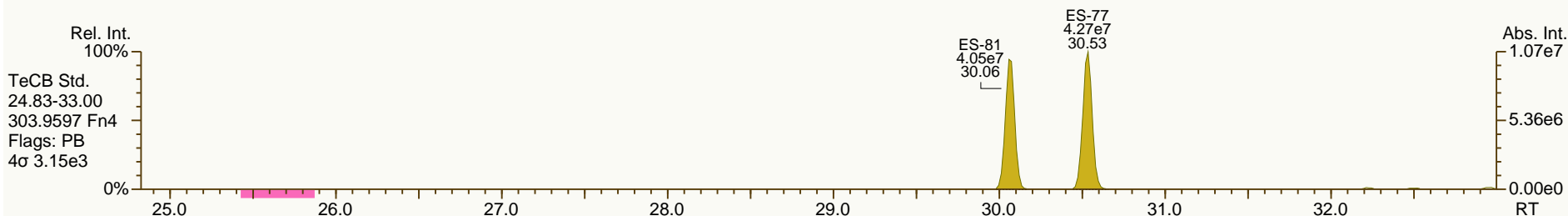
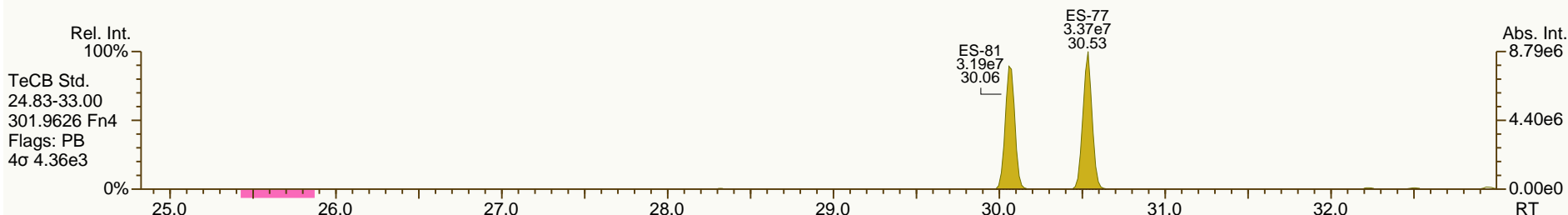
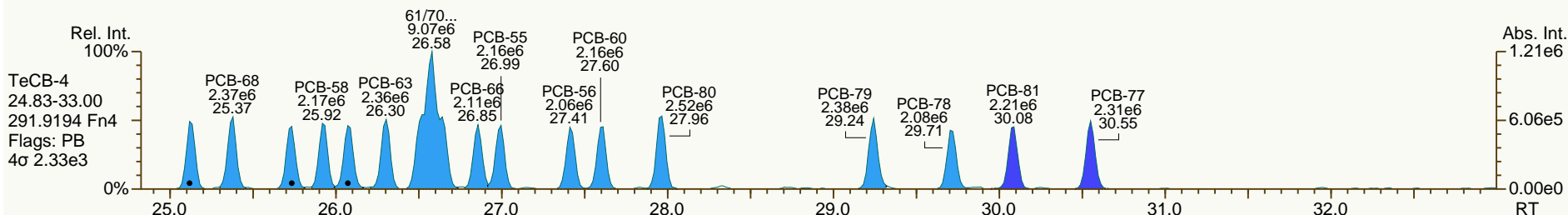
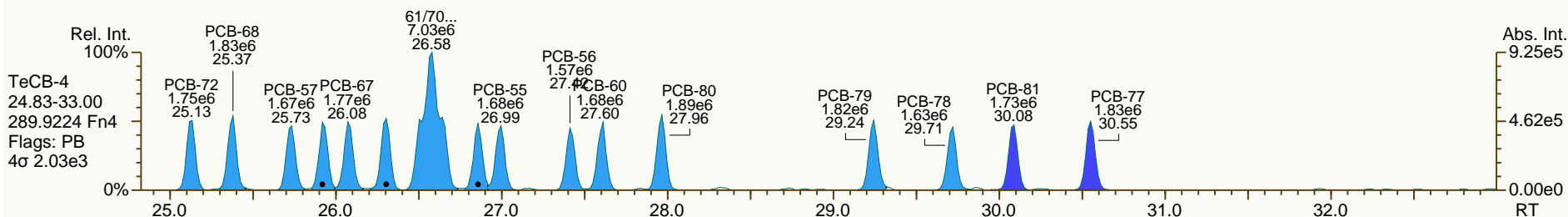
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

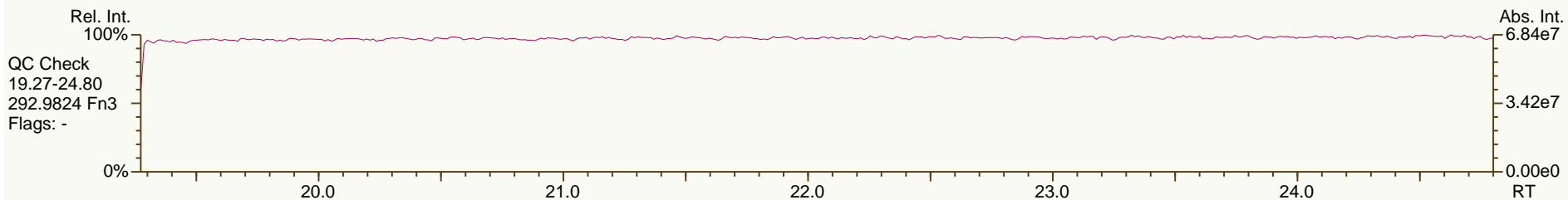
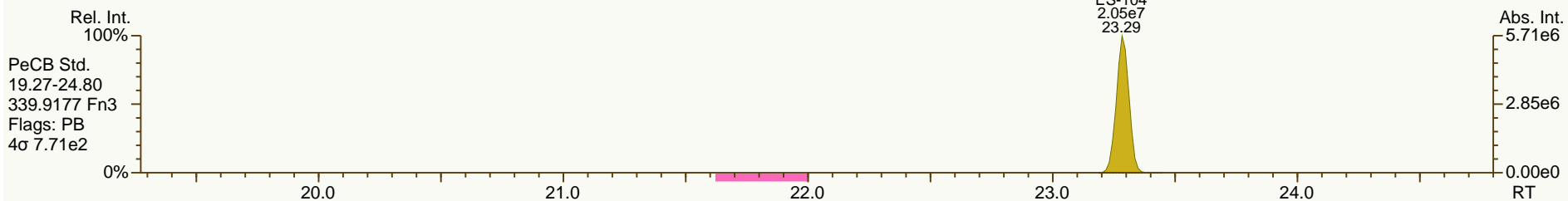
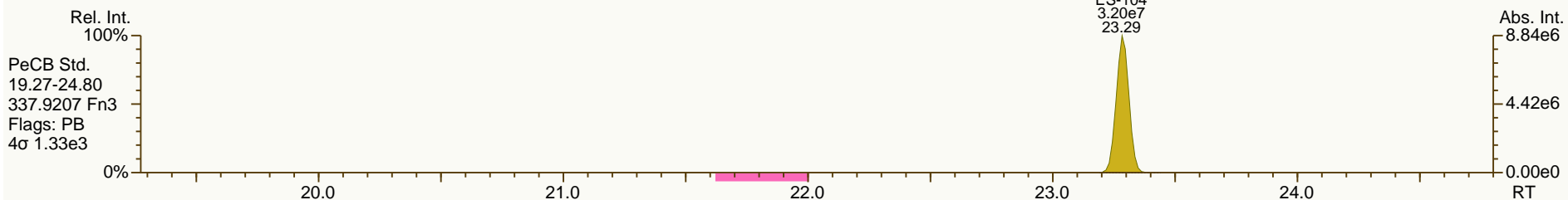
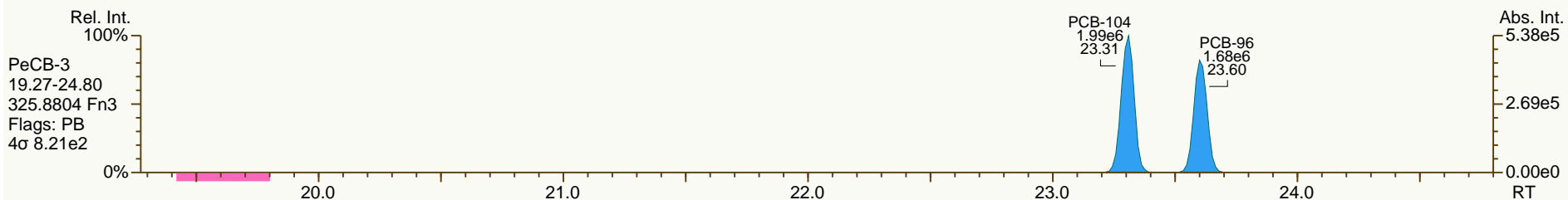
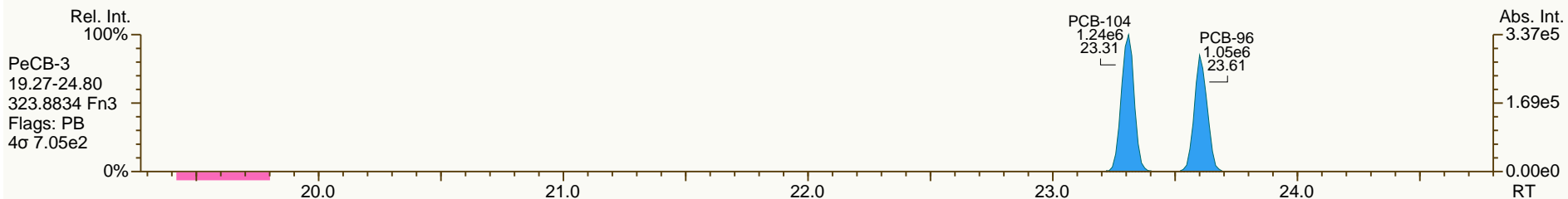
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

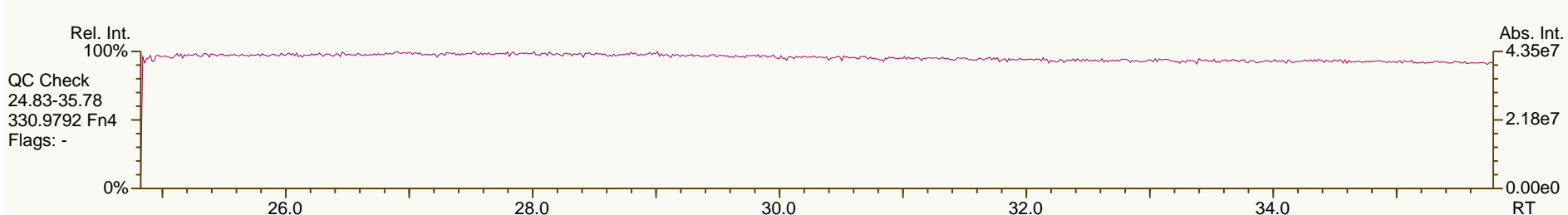
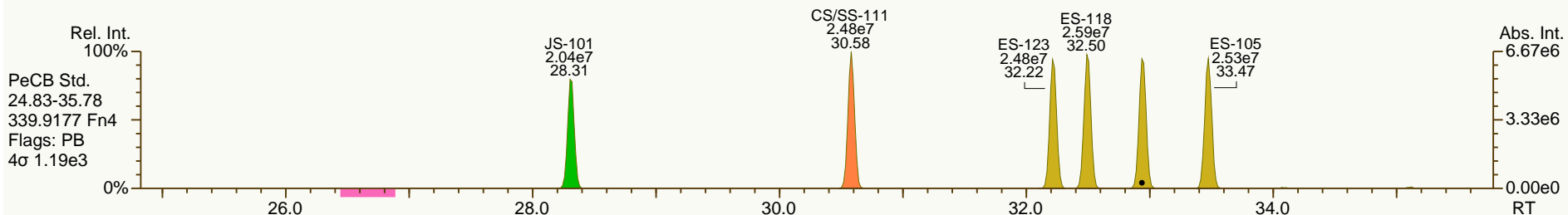
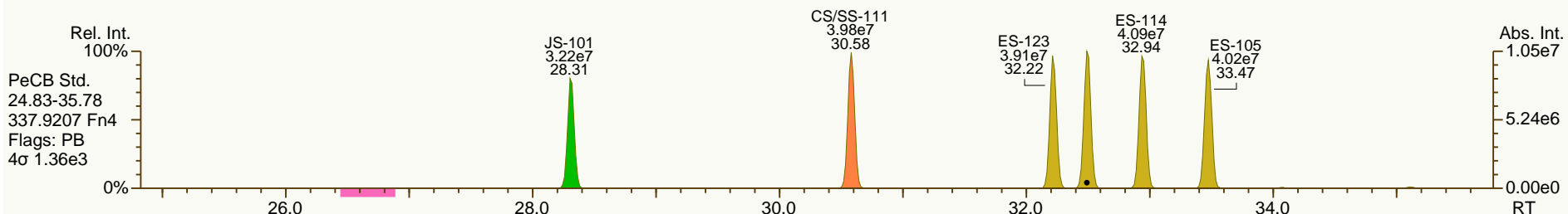
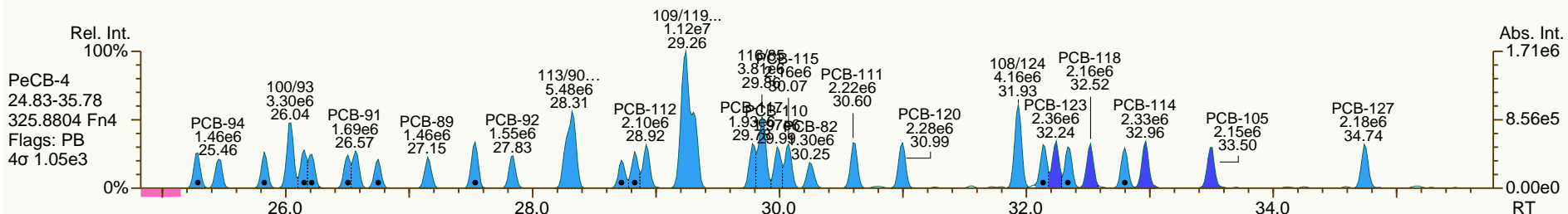
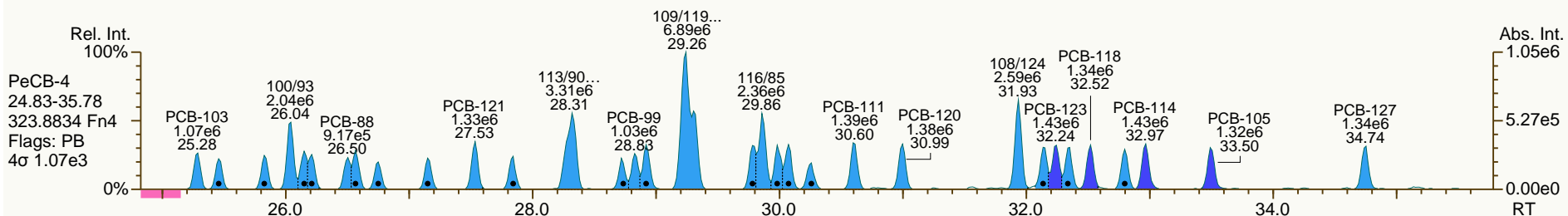
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AP Lab ID: CS2_120725_PCB_XB
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Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

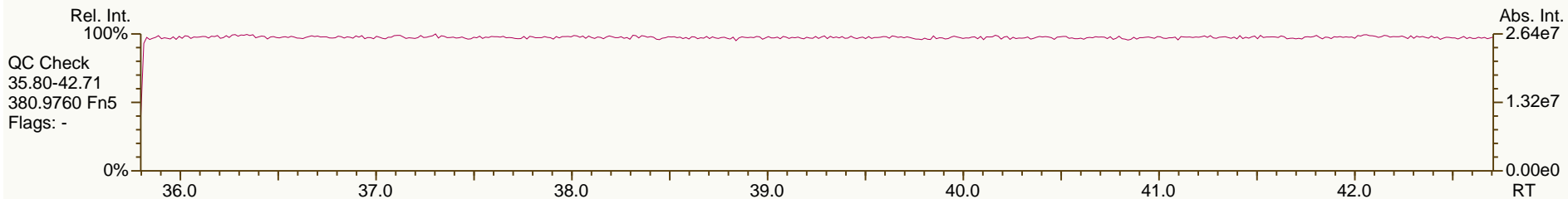
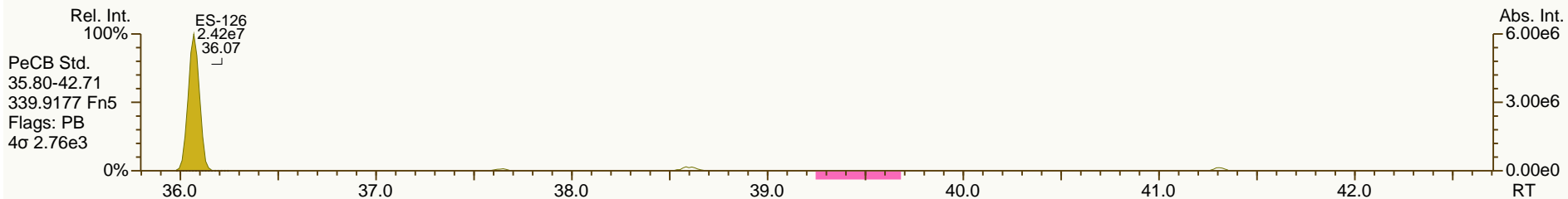
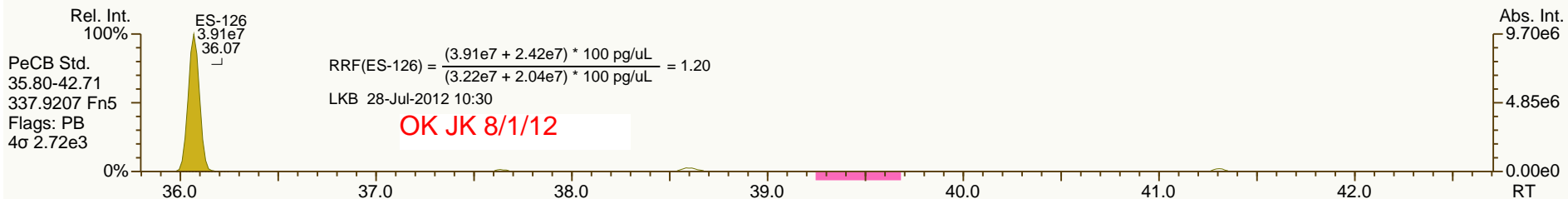
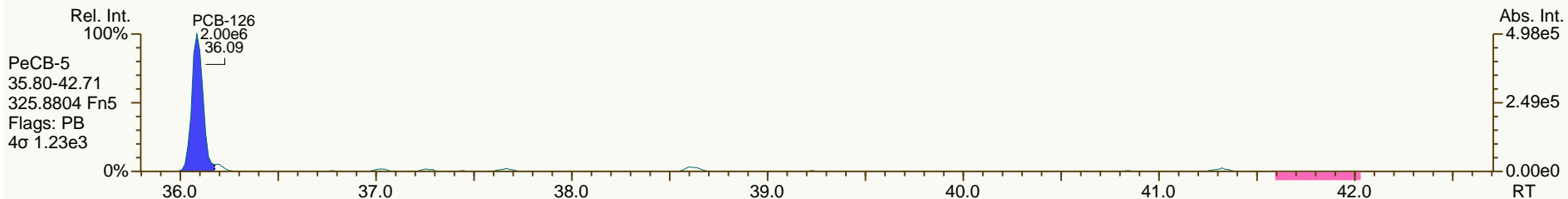
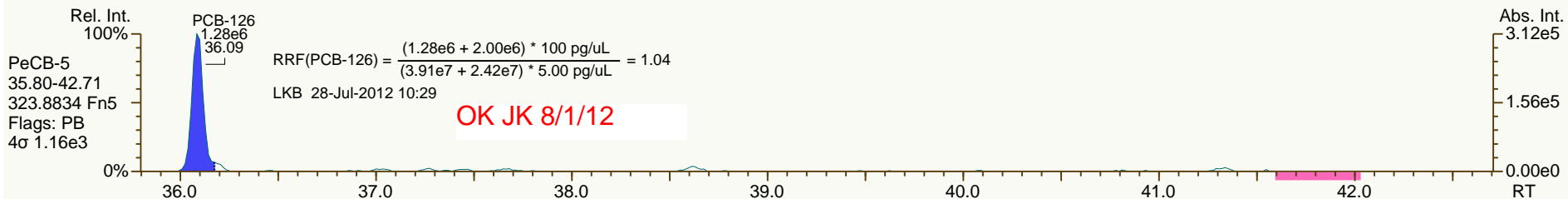
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AP Lab ID: CS2_120725_PCB_XB
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Sample ID: SIL 12-65-4
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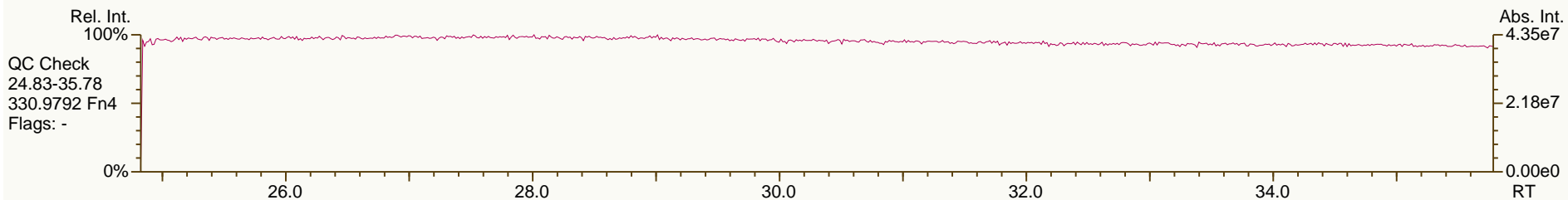
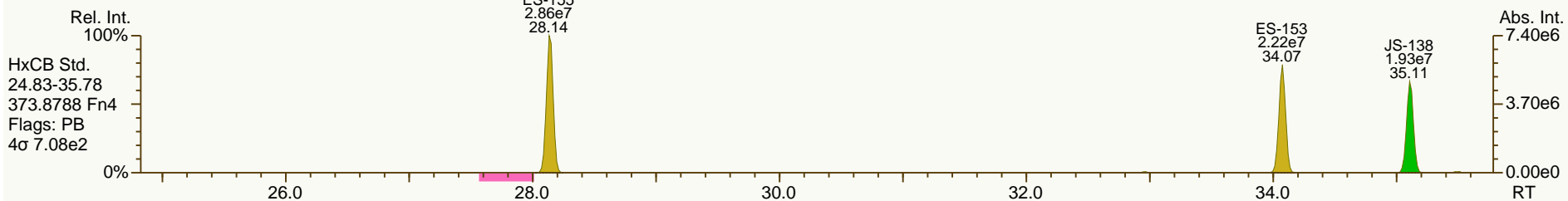
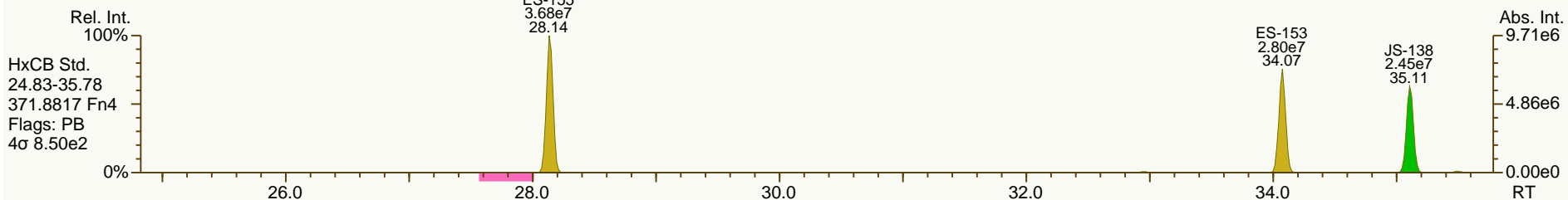
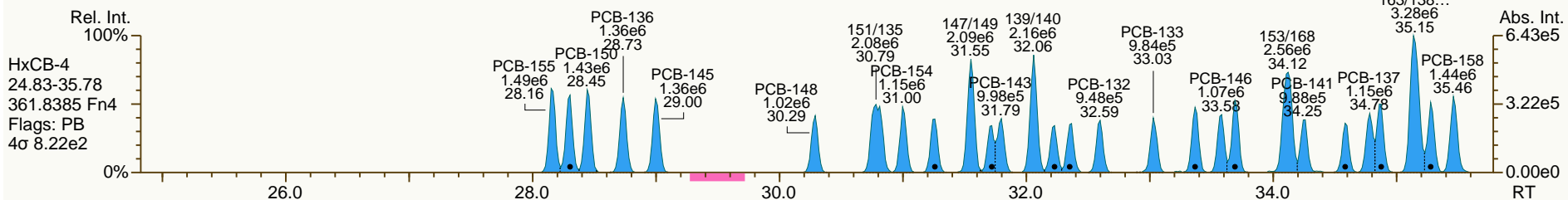
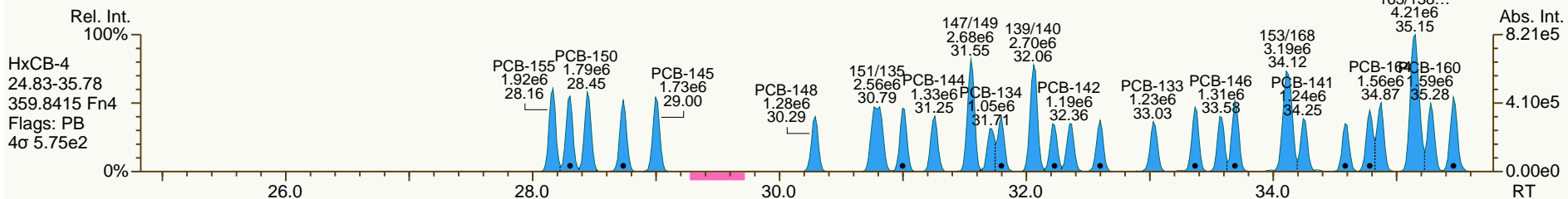
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

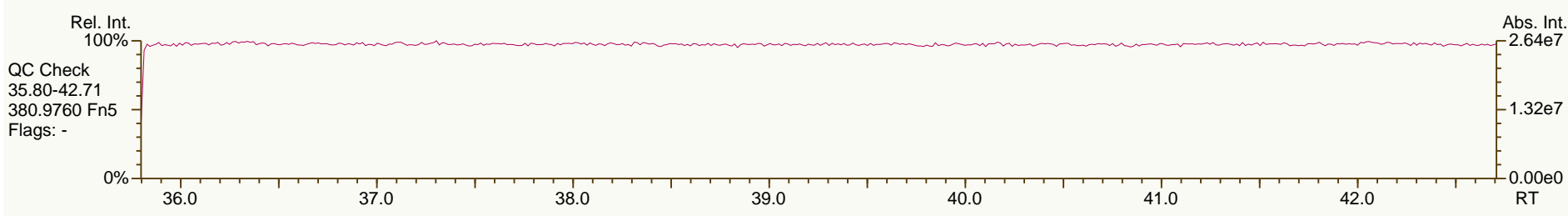
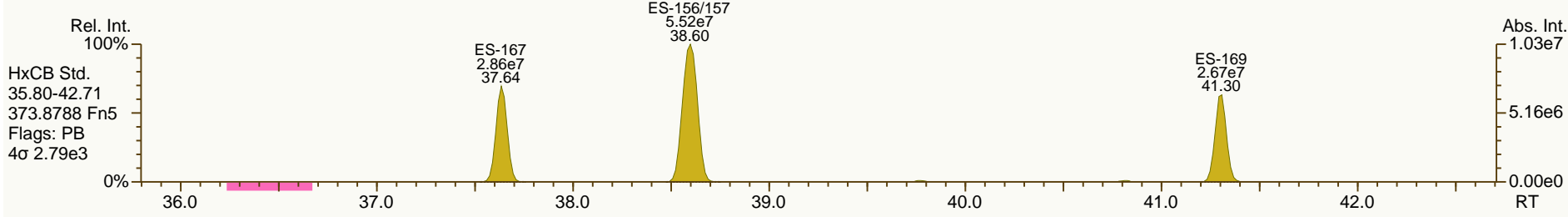
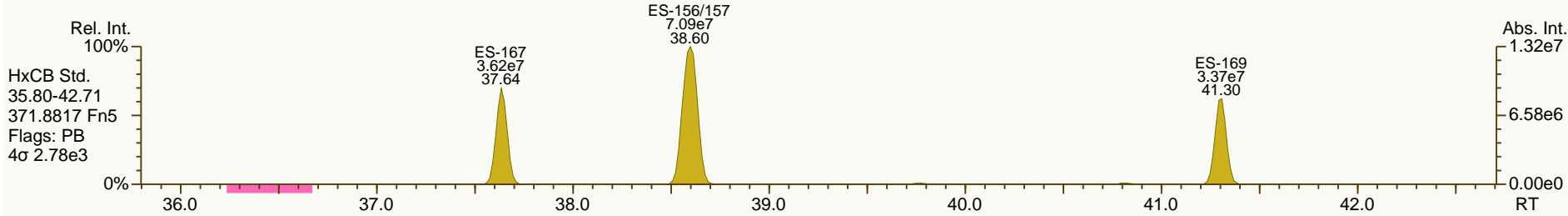
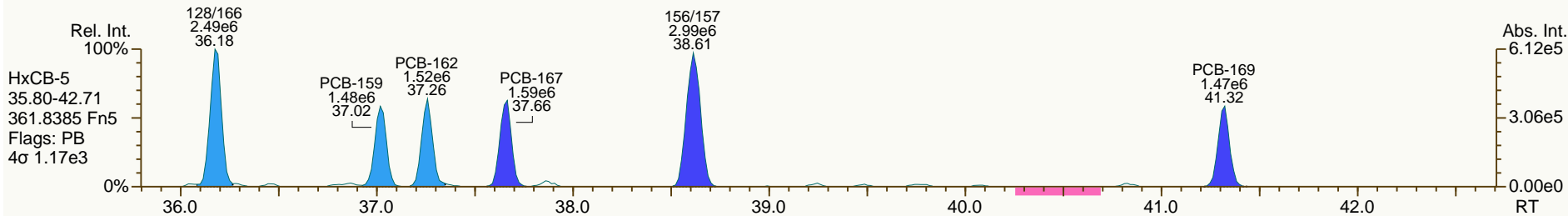
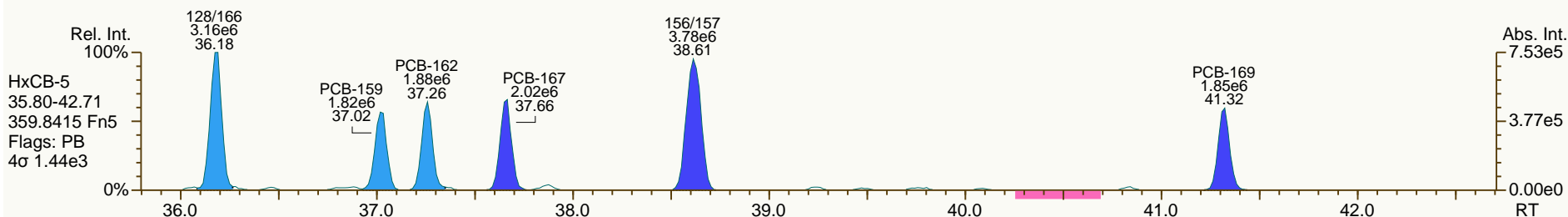
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

Acq: 26-Jul-2012 04:44:38
 User: LKB Datafile: 120725X17



AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

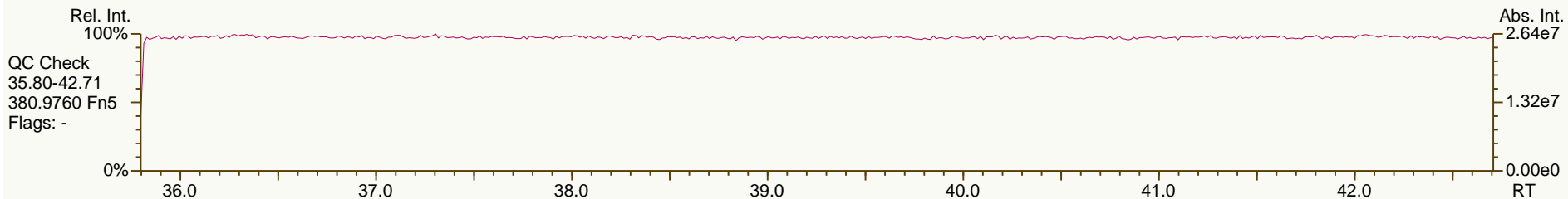
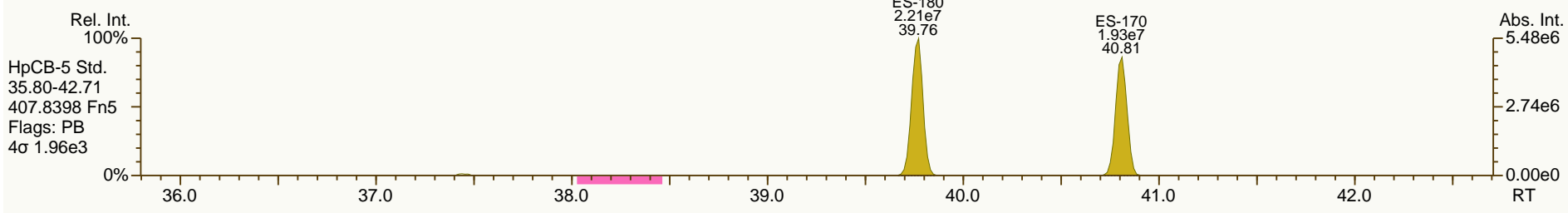
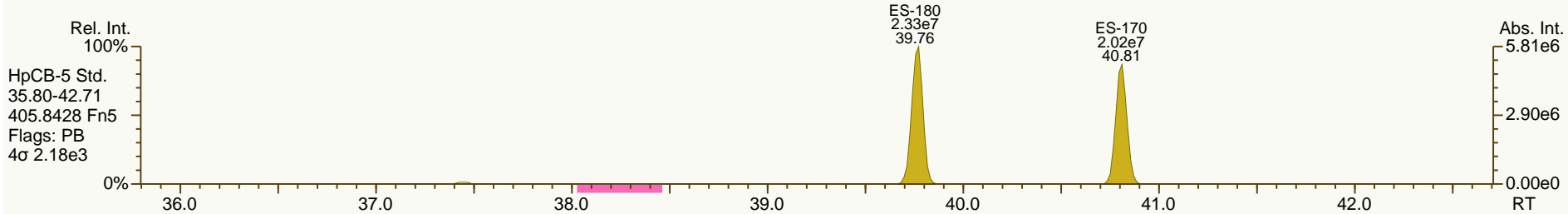
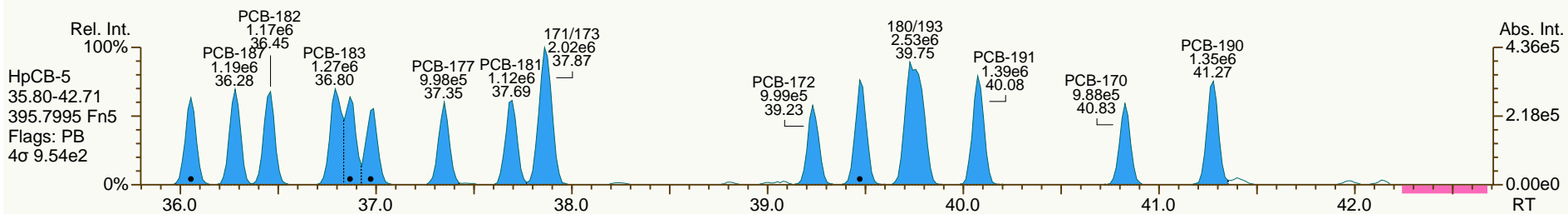
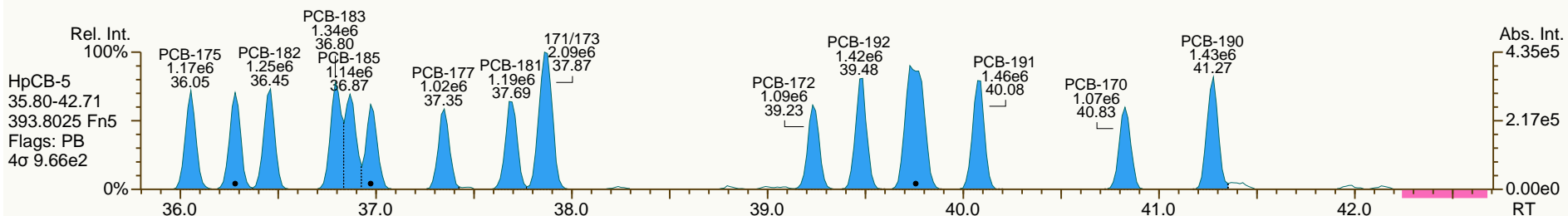
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

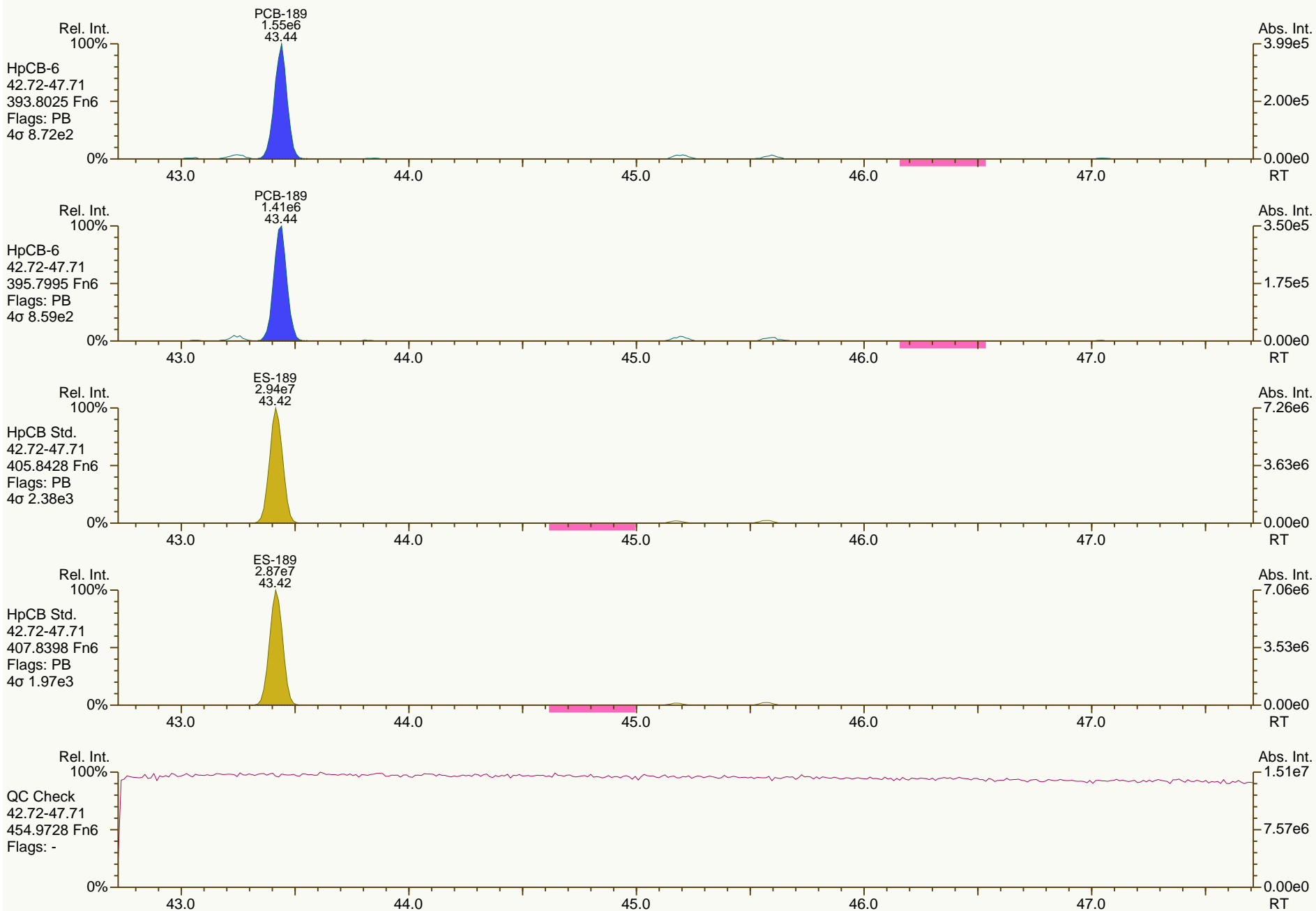
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

Acq: 26-Jul-2012 04:44:38
 User: LKB Datafile: 120725X17



AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

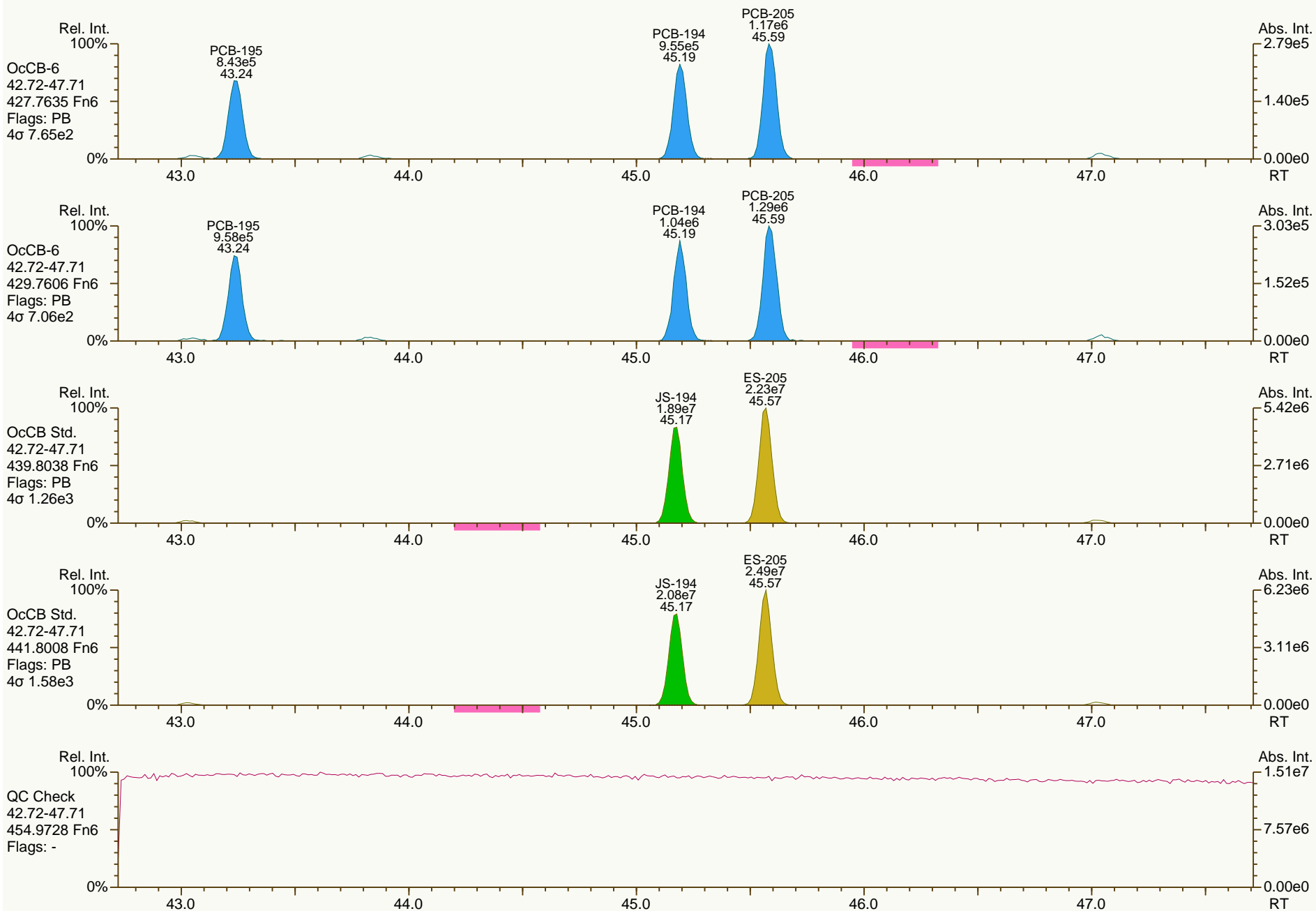
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AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

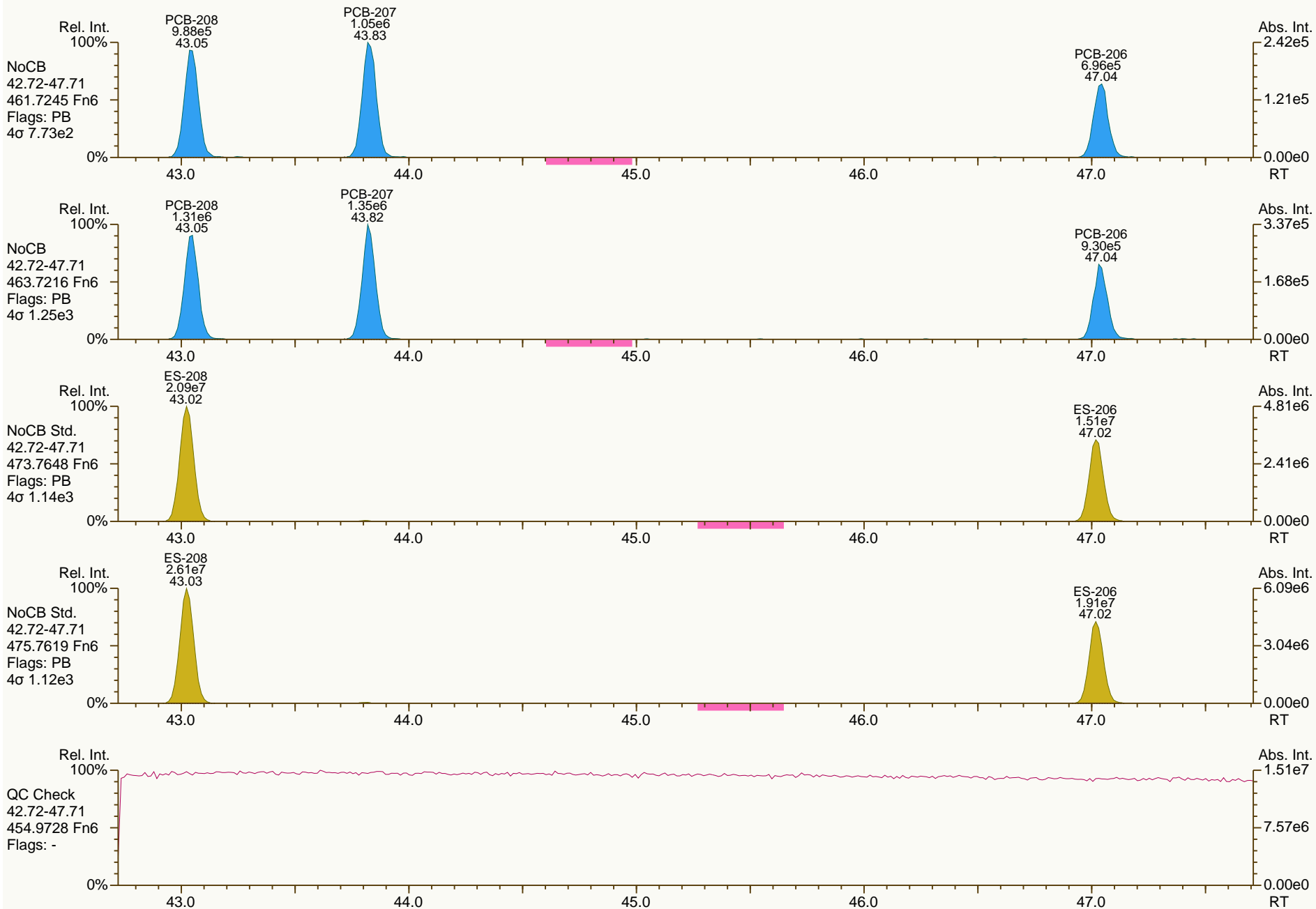
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 User: LKB Datafile: 120725X17



AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

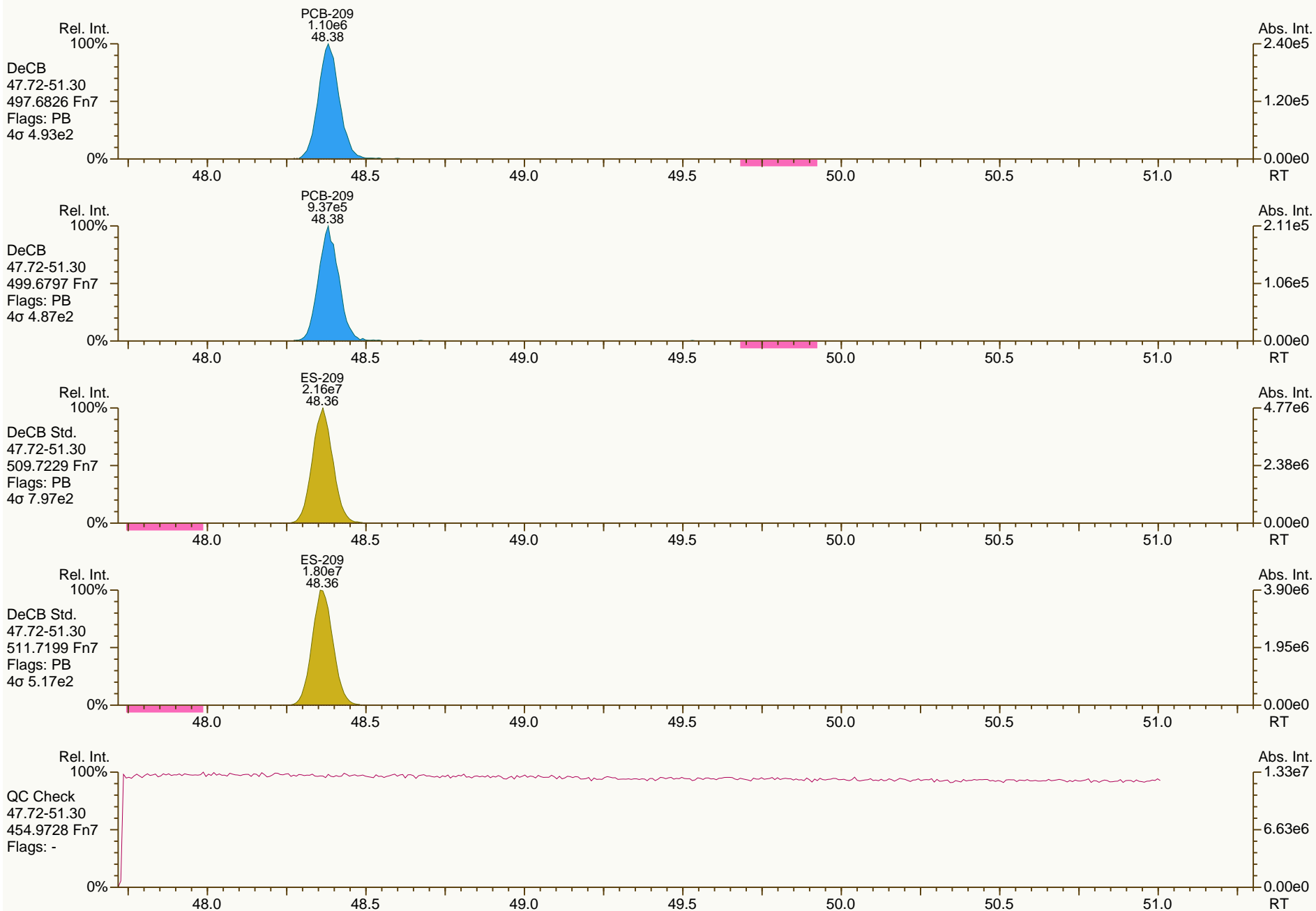
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 User: LKB Datafile: 120725X17



AP Lab ID: CS2_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 52

Acq: 26-Jul-2012 04:44:38
 User: LKB Datafile: 120725X17



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	4.63E+07	0.78 Y	1.13	1.16	2.5%	
PCB-81 344'5'-TeCB	30.07	4.46E+07	0.77 Y	1.13	1.17	3.8%	
PCB-105 233'44'-PeCB	33.48	3.82E+07	0.62 Y	1.09	1.14	4.0%	
PCB-114 2344'5'-PeCB	32.95	4.13E+07	0.62 Y	1.16	1.22	4.9%	
PCB-118 23'44'5'-PeCB	32.50	3.95E+07	0.62 Y	1.11	1.13	1.9%	
PCB-123 2'344'5'-PeCB	32.23	3.83E+07	0.62 Y	1.19	1.16	-2.8%	
PCB-126 33'44'5'-PeCB	36.07	3.52E+07	0.62 Y	1.06	1.08	1.4%	
PCB-156/157 233'44'5'/233'44'5'	38.60	7.30E+07	1.25 Y	1.11	1.13	2.5%	
PCB-167 23'44'55'-HxCB	37.64	3.89E+07	1.25 Y	1.14	1.18	4.2%	
PCB-169 33'44'55'-HxCB	41.31	3.54E+07	1.25 Y	1.11	1.15	3.2%	
PCB-189 233'44'55'-HpCB	43.42	3.22E+07	1.05 Y	1.06	1.08	2.5%	
PCB-209 DeCB	48.37	2.17E+07	1.19 Y	1.07	1.09	1.3%	
ES PCB-1	10.64	1.20E+08	3.16 Y	1.08	1.08	0.1%	
ES PCB-3	12.69	1.20E+08	3.25 Y	1.08	1.08	0.1%	
ES PCB-4	12.91	5.40E+07	1.61 Y	0.49	0.49	0.2%	
ES PCB-15	18.23	1.22E+08	1.59 Y	1.11	1.11	-0.4%	
ES PCB-19	15.75	6.15E+07	1.05 Y	0.55	0.56	0.5%	
ES PCB-37	24.31	9.76E+07	1.07 Y	1.64	1.63	-0.4%	
ES PCB-54	18.48	5.65E+07	0.77 Y	0.94	0.94	0.3%	
ES PCB-77	30.52	7.97E+07	0.80 Y	1.35	1.33	-1.2%	
ES PCB-81	30.05	7.63E+07	0.79 Y	1.29	1.27	-1.1%	
ES PCB-104	23.27	5.46E+07	1.56 Y	0.99	0.99	-0.5%	
ES PCB-105	33.46	6.72E+07	1.62 Y	1.23	1.22	-1.4%	
ES PCB-114	32.93	6.79E+07	1.60 Y	1.25	1.23	-1.4%	
ES PCB-118	32.48	7.00E+07	1.61 Y	1.28	1.27	-1.1%	
ES PCB-123	32.20	6.64E+07	1.62 Y	1.22	1.20	-1.4%	
ES PCB-126	36.06	6.54E+07	1.58 Y	1.20	1.19	-1.2%	
ES PCB-153	34.06	5.09E+07	1.27 Y	1.14	1.14	0.3%	
ES PCB-155	28.12	6.79E+07	1.28 Y	1.50	1.53	2.1%	
ES PCB-156/157	38.58	1.29E+08	1.26 Y	1.45	1.45	-0.6%	
ES PCB-167	37.62	6.58E+07	1.27 Y	1.49	1.48	-1.0%	
ES PCB-169	41.29	6.18E+07	1.26 Y	1.40	1.39	-1.0%	
ES PCB-170	40.79	4.01E+07	1.06 Y	1.00	1.01	0.8%	
ES PCB-180	39.75	4.70E+07	1.06 Y	1.16	1.18	2.0%	
ES PCB-188	32.93	5.30E+07	1.07 Y	1.18	1.19	1.1%	
ES PCB-189	43.40	5.95E+07	1.06 Y	1.49	1.50	0.7%	
ES PCB-202	37.43	5.04E+07	0.91 Y	1.14	1.13	-0.4%	
ES PCB-205	45.55	4.77E+07	0.90 Y	1.20	1.20	-0.2%	
ES PCB-206	47.01	3.46E+07	0.78 Y	0.87	0.87	0.2%	
ES PCB-208	43.01	4.78E+07	0.80 Y	1.19	1.20	1.1%	
ES PCB-209	48.35	4.00E+07	1.19 Y	1.00	1.01	0.4%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.05E+08	1.06 Y	1.07	1.08	0.5%	
SS PCB-111	30.57	6.66E+07	1.59 Y	1.01	1.00	-0.1%	
SS PCB-178	35.48	3.28E+07	1.04 Y	0.63	0.62	-1.3%	
CS PCB-28	20.88	1.05E+08	1.06 Y	1.76	1.76	0.2%	
CS PCB-111	30.57	6.66E+07	1.59 Y	1.23	1.21	-1.5%	
CS PCB-178	35.48	3.28E+07	1.04 Y	0.74	0.74	-0.2%	
JS PCB-9	14.74	1.10E+08	1.58 Y	-	-	-	
JS PCB-52	22.45	5.99E+07	0.82 Y	-	-	-	
JS PCB-101	28.30	5.52E+07	1.58 Y	-	-	-	
JS PCB-138	35.09	4.45E+07	1.27 Y	-	-	-	
JS PCB-194	45.16	3.97E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%	
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%	
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%	
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%	
PCB-19 22'6'-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%	
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%	
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%	
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%	
PCB-153 22'44'55'-HxCB	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%	
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%	
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%	
PCB-180 22'344'55'-HpCB	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%	
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%	
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%	
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%	
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%	

PCB QC Summary - Ax2 Detail				Printed: 28-Jul-2012 10:13			
Lab ID:	CS3_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	10.65	6.48E+07	3.19 Y	1.03	1.08	5.0%	
PCB-2 3-MoCB	12.54	6.51E+07	3.23 Y	1.04	1.09	4.4%	
PCB-3 4-MoCB	12.70	6.51E+07	3.18 Y	1.04	1.09	4.3%	
PCB-4 22'-DiCB	12.93	3.30E+07	1.62 Y	1.17	1.22	4.3%	
PCB-10 26-DiCB	13.09	5.16E+07	1.60 Y	1.83	1.91	4.4%	
PCB-9 25-DiCB	14.75	5.79E+07	1.60 Y	0.89	0.95	6.0%	
PCB-7 24-DiCB	14.91	6.59E+07	1.60 Y	1.02	1.08	5.3%	
PCB-6 23'-DiCB	15.11	6.19E+07	1.61 Y	0.95	1.01	6.9%	
PCB-5 23-DiCB	15.39	6.27E+07	1.58 Y	0.97	1.03	5.6%	
PCB-8 24'-DiCB	15.50	6.34E+07	1.58 Y	0.98	1.04	5.6%	
PCB-14 35-DiCB	16.97	7.41E+07	1.58 Y	1.16	1.21	4.8%	
PCB-11 33'-DiCB	17.70	6.40E+07	1.59 Y	1.00	1.05	5.0%	
PCB-13/12 34'-/34-DiCB	17.98	1.31E+08	1.58 Y	1.02	1.07	5.1%	
PCB-15 44'-DiCB	18.25	6.74E+07	1.58 Y	1.08	1.10	2.1%	
PCB-19 22'6-TrCB	15.76	3.50E+07	1.07 Y	1.09	1.14	4.3%	
PCB-30/18 246-/22'5-TrCB	17.43	9.40E+07	1.07 Y	1.46	1.53	4.7%	
PCB-17 22'4-TrCB	17.80	4.05E+07	1.07 Y	1.25	1.32	5.3%	
PCB-27 23'6-TrCB	17.99	5.38E+07	1.06 Y	1.69	1.75	3.4%	
PCB-24 236-TrCB	18.11	5.16E+07	1.06 Y	1.63	1.68	2.8%	
PCB-16 22'3-TrCB	18.19	3.16E+07	1.07 Y	0.95	1.03	7.9%	
PCB-32 24'6-TrCB	18.66	5.72E+07	1.06 Y	1.79	1.86	4.1%	
PCB-34 2'35-TrCB	19.77	5.37E+07	1.04 Y	1.05	1.10	5.1%	
PCB-23 235-TrCB	19.91	5.44E+07	1.04 Y	1.06	1.11	5.4%	
PCB-26/29 23'5-/245-TrCB	20.18	1.11E+08	1.04 Y	1.09	1.14	4.8%	
PCB-25 23'4-TrCB	20.37	5.54E+07	1.04 Y	1.07	1.14	5.6%	
PCB-31 24'5-TrCB	20.64	5.71E+07	1.05 Y	1.11	1.17	5.3%	
PCB-28/20 244'-/233'-TrCB	20.90	1.09E+08	1.04 Y	1.07	1.12	4.5%	
PCB-21/33 234-/2'34-TrCB	21.07	1.12E+08	1.04 Y	1.09	1.15	5.0%	
PCB-22 234'-TrCB	21.44	5.20E+07	1.05 Y	1.02	1.07	5.0%	
PCB-36 33'5-TrCB	22.79	5.71E+07	1.05 Y	1.13	1.17	3.7%	
PCB-39 34'5-TrCB	23.10	5.96E+07	1.04 Y	1.17	1.22	4.8%	
PCB-38 345-TrCB	23.60	5.33E+07	1.05 Y	1.03	1.09	5.8%	
PCB-35 33'4-TrCB	23.98	5.24E+07	1.03 Y	1.04	1.07	3.3%	
PCB-37 344'-TrCB	24.33	5.55E+07	1.04 Y	1.10	1.14	2.9%	
PCB-54 22'66'-TeCB	18.50	3.58E+07	0.79 Y	1.21	1.27	4.8%	
PCB-50/53 22'46-/22'56'TeCB	20.41	6.93E+07	0.79 Y	0.86	0.91	6.1%	
PCB-45 22'36'-TeCB	20.97	3.01E+07	0.79 Y	0.73	0.79	7.9%	
PCB-51 22'46'-TeCB	21.04	3.52E+07	0.80 Y	0.88	0.92	5.1%	
PCB-46 22'36'-TeCB	21.23	2.82E+07	0.78 Y	0.70	0.74	6.5%	
PCB-52 22'55'-TeCB	22.47	3.39E+07	0.78 Y	0.84	0.89	5.6%	
PCB-73 23'5'6TeCB	22.59	4.36E+07	0.79 Y	1.09	1.14	4.8%	
PCB-43 22'35'-TeCB	22.68	2.98E+07	0.79 Y	0.72	0.78	8.0%	
PCB-69/49 23'46-/22'45'TeCB	22.87	8.21E+07	0.79 Y	1.01	1.08	6.2%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.14	3.42E+07	0.79 Y	0.85	0.90	5.4%
PCB-44/47/65 22'35'-/22'44'-	23.35	1.08E+08	0.79 Y	0.89	0.95	6.4%
PCB-59/62/75 233'6-/2346-/24	23.62	1.40E+08	0.80 Y	1.14	1.22	7.3%
PCB-42 22'34'-TeCB	23.77	3.12E+07	0.79 Y	0.77	0.82	5.9%
PCB-41 22'34'-TeCB	24.09	2.84E+07	0.79 Y	0.73	0.75	2.6%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	7.05E+07	0.79 Y	0.87	0.92	6.7%
PCB-64 234'6'-TeCB	24.39	4.94E+07	0.79 Y	1.24	1.29	4.7%
PCB-72 23'55'-TeCB	25.11	4.61E+07	0.78 Y	1.14	1.21	5.7%
PCB-68 23'45'-TeCB	25.36	4.83E+07	0.79 Y	1.21	1.27	4.6%
PCB-57 233'5'-TeCB	25.71	4.48E+07	0.79 Y	1.11	1.18	6.4%
PCB-58 233'5'-TeCB	25.91	4.45E+07	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.06	4.63E+07	0.77 Y	1.16	1.21	4.5%
PCB-63 234'5'-TeCB	26.28	4.93E+07	0.78 Y	1.22	1.29	6.4%
PCB-61/70/74/76 2345-/23'4'5	26.56	1.83E+08	0.78 Y	1.13	1.20	5.9%
PCB-66 23'44'-TeCB	26.84	4.32E+07	0.78 Y	1.08	1.13	5.4%
PCB-55 233'4'-TeCB	26.97	4.39E+07	0.78 Y	1.10	1.15	5.0%
PCB-56 233'4'-TeCB	27.40	4.26E+07	0.78 Y	1.06	1.12	5.8%
PCB-60 2344'-TeCB	27.59	4.44E+07	0.78 Y	1.11	1.16	4.7%
PCB-80 33'55'-TeCB	27.94	5.03E+07	0.79 Y	1.25	1.32	5.3%
PCB-79 33'45'-TeCB	29.23	5.00E+07	0.78 Y	1.23	1.31	6.3%
PCB-78 33'45'-TeCB	29.70	4.27E+07	0.78 Y	1.08	1.12	3.7%
PCB-104 22'466'-PeCB	23.29	3.59E+07	0.63 Y	1.25	1.32	5.0%
PCB-96 22'366'-PeCB	23.59	3.10E+07	0.64 Y	1.08	1.14	5.7%
PCB-103 22'45'6'-PeCB	25.27	3.14E+07	0.63 Y	0.90	0.95	5.0%
PCB-94 22'356'-PeCB	25.44	2.75E+07	0.62 Y	0.78	0.83	6.8%
PCB-95 22'35'6'-PeCB	25.81	2.93E+07	0.62 Y	0.83	0.88	7.1%
PCB-100/93 22'44'6-/22'356-P	26.02	6.08E+07	0.62 Y	0.84	0.92	8.6%
PCB-102 22'456'-PeCB	26.13	3.09E+07	0.62 Y	0.90	0.93	3.4%
PCB-98 22'3'46'-PeCB	26.19	2.73E+07	0.62 Y	0.77	0.82	6.4%
PCB-88 22'346'-PeCB	26.48	2.77E+07	0.61 Y	0.79	0.84	5.4%
PCB-91 22'34'6'-PeCB	26.55	3.08E+07	0.63 Y	0.88	0.93	5.4%
PCB-84 22'33'6'-PeCB	26.73	2.50E+07	0.63 Y	0.71	0.75	6.3%
PCB-89 22'346'-PeCB	27.14	2.67E+07	0.62 Y	0.76	0.81	5.9%
PCB-121 23'45'6'-PeCB	27.52	3.99E+07	0.62 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	2.81E+07	0.62 Y	0.80	0.85	5.7%
PCB-113/90/101 233'5'6-/22'3	28.29	9.82E+07	0.62 Y	0.93	0.99	5.5%
PCB-83 22'33'5'-PeCB	28.71	2.51E+07	0.61 Y	0.71	0.76	6.1%
PCB-99 22'44'5'-PeCB	28.81	3.04E+07	0.62 Y	0.87	0.92	5.0%
PCB-112 233'56'-PeCB	28.91	3.83E+07	0.63 Y	1.13	1.16	2.6%
PCB-108/119/86/97/125/87 233	29.24	1.99E+08	0.62 Y	0.95	1.00	5.5%
PCB-117 234'56'-PeCB	29.77	3.45E+07	0.62 Y	1.04	1.04	0.1%
PCB-116/85 23456-/22'344'-Pe	29.85	6.84E+07	0.63 Y	0.97	1.03	6.0%
PCB-110 233'4'6'-PeCB	29.97	3.56E+07	0.62 Y	1.02	1.07	4.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:13

Lab ID: CS3_120725_PCB_XB
 Acquired: 26-JUL-2012 05:38
 Datafile: 120725X18

ICAL: MM7_PCB_07132012_25JUL12

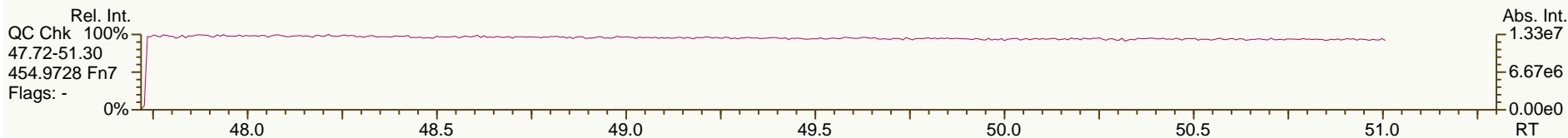
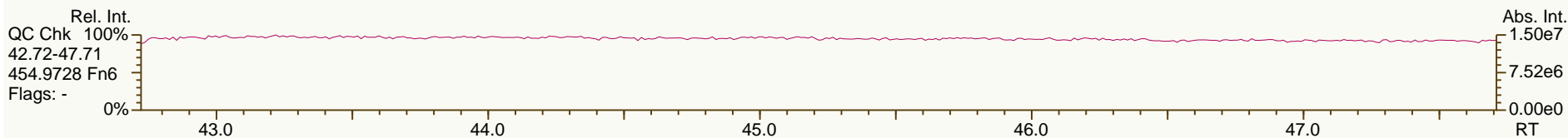
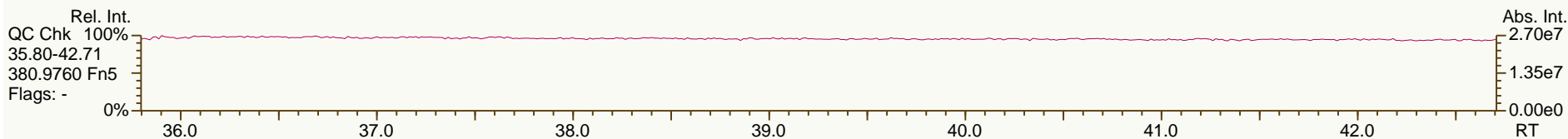
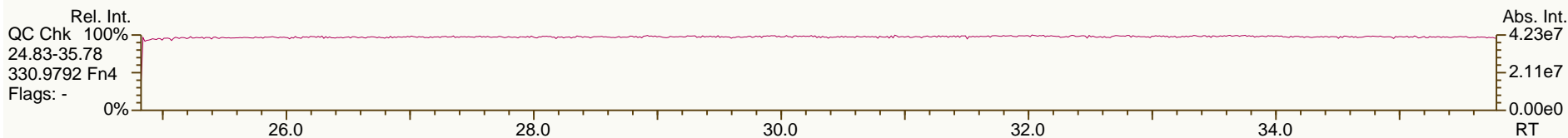
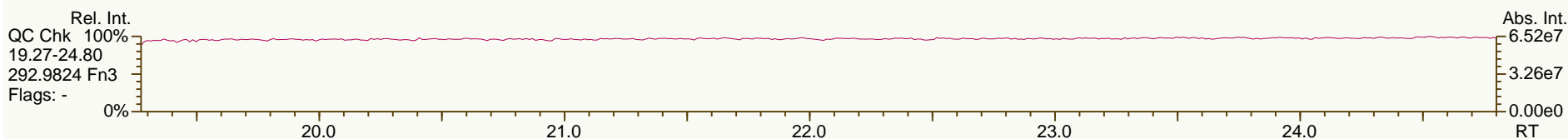
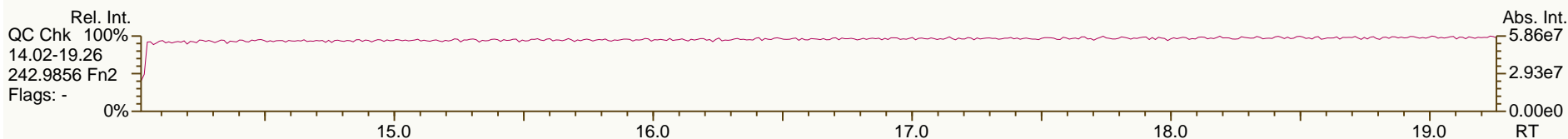
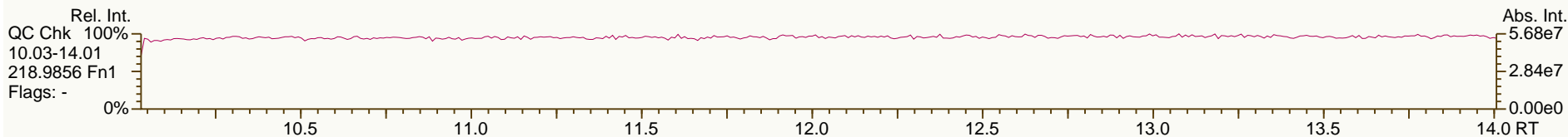
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PCB-115 2344'6-PeCB	30.05	3.95E+07	0.63 Y	1.16	1.19	2.8%
PCB-82 22'33'4-PeCB	30.24	2.40E+07	0.62 Y	0.69	0.72	4.9%
PCB-111 233'55'-PeCB	30.59	4.00E+07	0.62 Y	1.15	1.21	4.5%
PCB-120 23'455'-PeCB	30.98	4.00E+07	0.62 Y	1.16	1.20	3.8%
PCB-107/124 233'4'5'-/2'3455'	31.92	7.50E+07	0.62 Y	1.07	1.13	5.3%
PCB-109 233'46-PeCB	32.13	4.08E+07	0.62 Y	1.14	1.23	7.6%
PCB-106 233'45-PeCB	32.33	3.79E+07	0.62 Y	1.07	1.14	6.7%
PCB-122 2'33'45-PeCB	32.78	3.53E+07	0.62 Y	1.00	1.04	3.8%
PCB-127 33'455'-PeCB	34.73	3.83E+07	0.63 Y	1.10	1.14	3.7%
PCB-155 22'44'66'-HxCB	28.14	3.83E+07	1.27 Y	1.09	1.13	3.3%
PCB-152 22'3566'-HxCB	28.28	3.56E+07	1.25 Y	1.01	1.05	3.4%
PCB-150 22'34'66'-HxCB	28.43	3.62E+07	1.26 Y	1.00	1.07	6.1%
PCB-136 22'33'66'-HxCB	28.72	3.36E+07	1.29 Y	0.95	0.99	3.7%
PCB-145 22'3466'HxCB	28.99	3.41E+07	1.28 Y	0.96	1.00	4.4%
PCB-148 22'34'56'-HxCB	30.27	2.59E+07	1.26 Y	0.97	1.02	5.0%
PCB-151/135 22'355'6-/22'33'	30.77	5.08E+07	1.26 Y	0.96	1.00	3.6%
PCB-154 22'44'5'6-HxCB	30.99	2.89E+07	1.24 Y	1.09	1.14	4.3%
PCB-144 22'345'6-HxCB	31.24	2.61E+07	1.29 Y	0.98	1.03	4.6%
PCB-147/149 22'34'56-/22'34'	31.54	5.27E+07	1.27 Y	0.99	1.03	5.0%
PCB-134 22'33'56-HxCB	31.70	2.09E+07	1.26 Y	0.80	0.82	2.8%
PCB-143 22'3456'-HxCB	31.78	2.52E+07	1.27 Y	0.95	0.99	3.6%
PCB-139/140 22'344'6-/22'344'	32.05	5.33E+07	1.27 Y	1.00	1.05	4.8%
PCB-131 22'33'46-HxCB	32.21	2.26E+07	1.27 Y	0.85	0.89	4.7%
PCB-142 22'3456-HxCB	32.34	2.31E+07	1.28 Y	0.87	0.91	3.8%
PCB-132 22'33'46'-HxCB	32.58	2.37E+07	1.26 Y	0.89	0.93	4.7%
PCB-133 22'33'55'-HxCB	33.02	2.44E+07	1.25 Y	0.91	0.96	4.9%
PCB-165 233'55'6-HxCB	33.35	3.01E+07	1.27 Y	1.13	1.18	4.4%
PCB-146 22'34'55'-HxCB	33.56	2.62E+07	1.23 Y	1.01	1.03	2.1%
PCB-161 233'45'6-HxCB	33.68	3.40E+07	1.30 Y	1.25	1.33	6.5%
PCB-153/168 22'44'55'-/23'44'	34.10	6.50E+07	1.27 Y	1.22	1.28	4.7%
PCB-141 22'3455'-HxCB	34.24	2.45E+07	1.26 Y	0.93	0.96	3.9%
PCB-130 22'33'45'-HxCB	34.57	2.22E+07	1.25 Y	0.85	0.87	2.9%
PCB-137 22'344'5-HxCB	34.77	2.82E+07	1.26 Y	1.04	1.11	6.4%
PCB-164 233'4'5'6-HxCB	34.85	3.12E+07	1.27 Y	1.22	1.23	0.4%
PCB-163/138/129 233'4'56-/22'	35.14	8.17E+07	1.27 Y	1.02	1.07	4.6%
PCB-160 233'456-HxCB	35.26	3.15E+07	1.26 Y	1.21	1.24	2.6%
PCB-158 233'44'6-HxCB	35.45	3.50E+07	1.27 Y	1.34	1.38	3.0%
PCB-128/166 22'33'44'-/2344'5	36.17	6.11E+07	1.26 Y	0.90	0.93	3.4%
PCB-159 233'455'-HxCB	37.01	3.64E+07	1.25 Y	1.06	1.11	4.1%
PCB-162 233'4'55'-HxCB	37.24	3.67E+07	1.24 Y	1.08	1.12	3.9%
PCB-188 22'34'566'-HpCB	32.95	2.85E+07	1.06 Y	1.03	1.08	4.1%
PCB-179 22'33'566'-HpCB	33.22	2.67E+07	1.05 Y	0.97	1.01	4.1%
PCB-184 22'344'66'-HpCB	33.68	2.58E+07	1.05 Y	0.93	0.97	4.5%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:13		
Lab ID:	CS3_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 05:38						
Datafile:	120725X18						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.96	2.89E+07	1.07 Y	1.05	1.09	4.0%	
PCB-186 22'34566'-HpCB	34.35	2.69E+07	1.05 Y	0.98	1.02	3.6%	
PCB-178 22'33'55'6'-HpCB	35.50	1.99E+07	1.06 Y	0.74	0.75	2.3%	
PCB-175 22'33'45'6'-HpCB	36.04	2.50E+07	1.07 Y	1.01	1.06	5.6%	
PCB-187 22'34'55'6'-HpCB	36.27	2.62E+07	1.07 Y	1.06	1.12	5.0%	
PCB-182 22'344'56'-HpCB	36.44	2.67E+07	1.05 Y	1.11	1.14	2.4%	
PCB-183 22'344'5'6'-HpCB	36.78	2.80E+07	1.04 Y	1.13	1.19	5.4%	
PCB-185 22'3455'6'-HpCB	36.86	2.44E+07	1.06 Y	1.02	1.04	2.1%	
PCB-174 22'33'456'-HpCB	36.96	2.22E+07	1.06 Y	0.93	0.95	2.2%	
PCB-177 22'33'4'56'-HpCB	37.33	2.20E+07	1.06 Y	0.91	0.94	3.6%	
PCB-181 22'344'56'-HpCB	37.68	2.53E+07	1.04 Y	1.06	1.08	1.4%	
PCB-171/173 22'33'44'6'-/22'3	37.85	4.48E+07	1.05 Y	0.93	0.95	2.7%	
PCB-172 22'33'455'-HpCB	39.22	2.28E+07	1.06 Y	0.95	0.97	1.9%	
PCB-192 233'455'6'-HpCB	39.46	2.98E+07	1.07 Y	1.24	1.27	2.3%	
PCB-180/193 22'344'55'-/233'	39.74	5.59E+07	1.05 Y	1.16	1.19	2.8%	
PCB-191 233'44'5'6'-HpCB	40.06	3.10E+07	1.05 Y	1.30	1.32	1.4%	
PCB-170 22'33'44'5'-HpCB	40.81	2.24E+07	1.03 Y	1.07	1.12	4.0%	
PCB-190 233'44'56'-HpCB	41.26	2.99E+07	1.05 Y	1.45	1.49	2.6%	
PCB-202 22'33'55'66'-OcCB	37.45	2.39E+07	0.90 Y	0.91	0.95	3.9%	
PCB-201 22'33'45'66'-OcCB	38.22	2.68E+07	0.89 Y	1.02	1.06	4.0%	
PCB-204 22'344'566'-OcCB	38.79	2.52E+07	0.91 Y	0.98	1.00	2.7%	
PCB-197 22'33'44'66'-OcCB	38.98	2.68E+07	0.91 Y	1.06	1.06	-0.1%	
PCB-200 22'33'4566'-OcCB	39.06	2.60E+07	0.92 Y	0.96	1.03	7.6%	
PCB-198/199 22'33'455'6'-/22'	41.39	3.72E+07	0.90 Y	0.72	0.74	3.1%	
PCB-196 22'33'44'56'-OcCB	41.96	1.92E+07	0.91 Y	0.73	0.76	4.3%	
PCB-203 22'344'55'6'-OcCB	42.13	2.02E+07	0.90 Y	0.76	0.80	4.9%	
PCB-195 22'33'44'56'-OcCB	43.23	2.00E+07	0.89 Y	0.80	0.84	5.0%	
PCB-194 22'33'44'55'-OcCB	45.18	2.15E+07	0.89 Y	0.87	0.90	3.0%	
PCB-205 233'44'55'6'-OcCB	45.57	2.66E+07	0.89 Y	1.09	1.11	2.4%	
PCB-208 22'33'455'66'-NoCB	43.03	2.52E+07	0.78 Y	1.02	1.06	3.8%	
PCB-207 22'33'44'566'-NoCB	43.81	2.64E+07	0.78 Y	1.06	1.10	4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	1.75E+07	0.77 Y	0.98	1.01	3.6%	

AP Lab ID: CS3_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

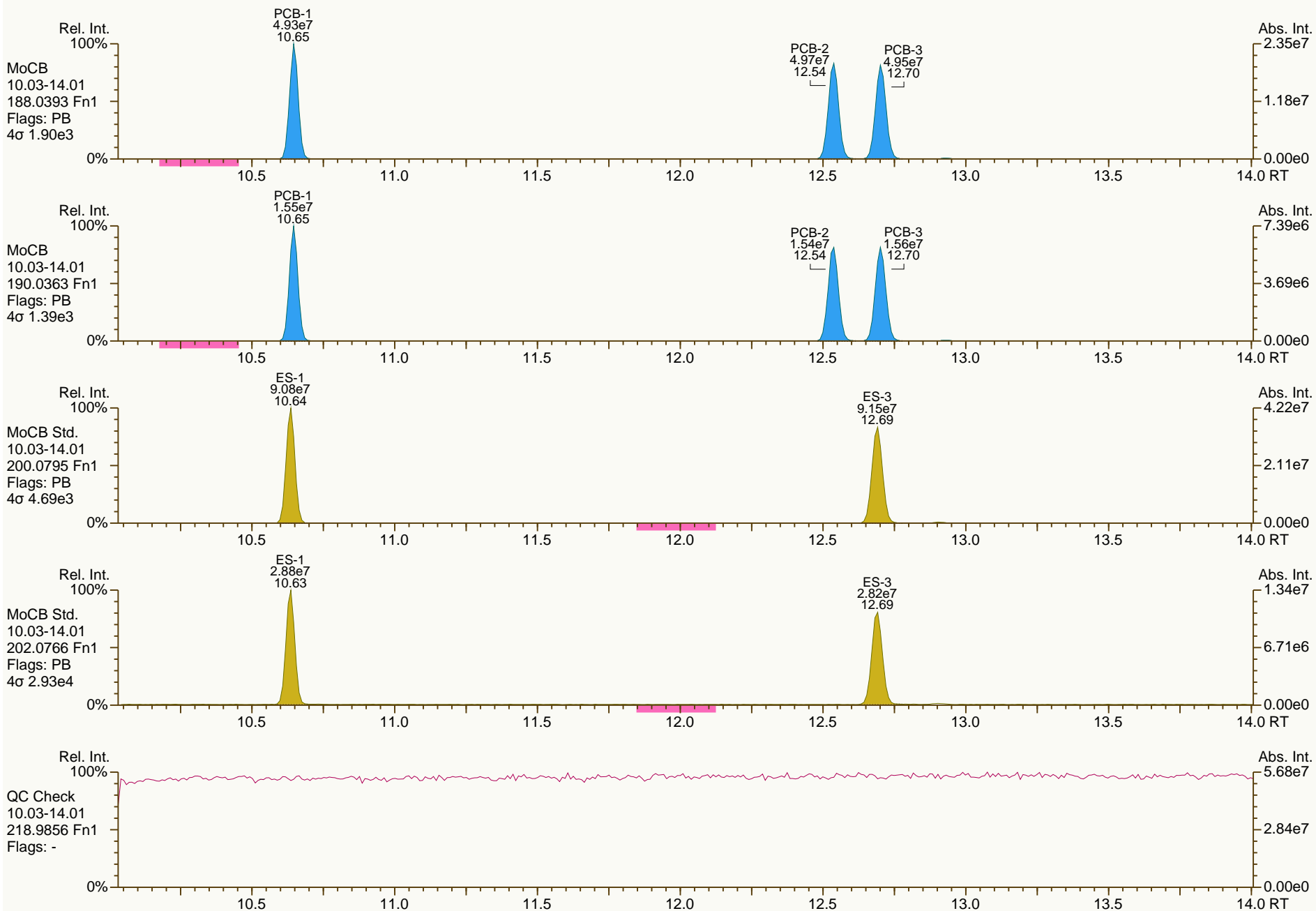
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

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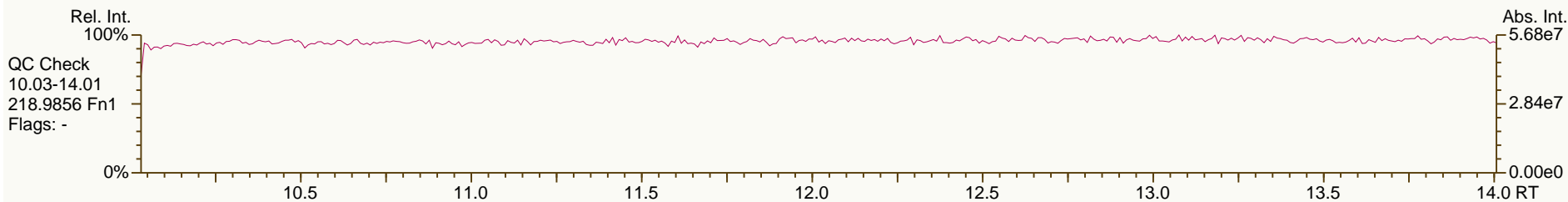
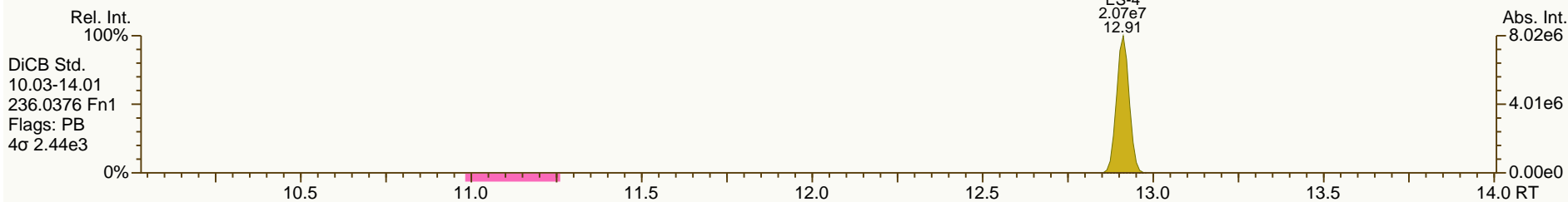
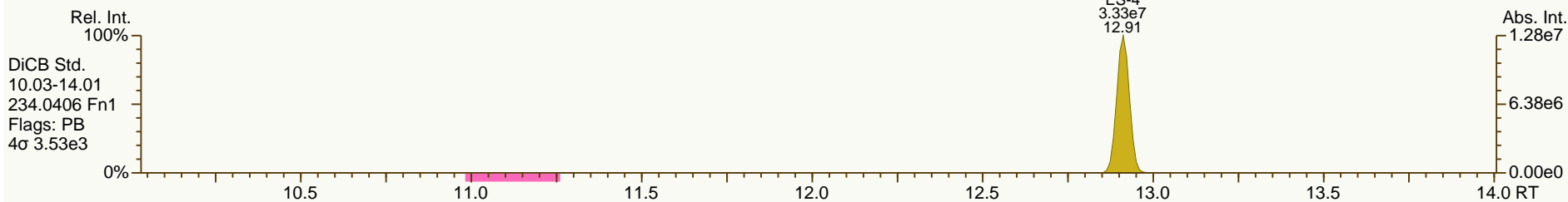
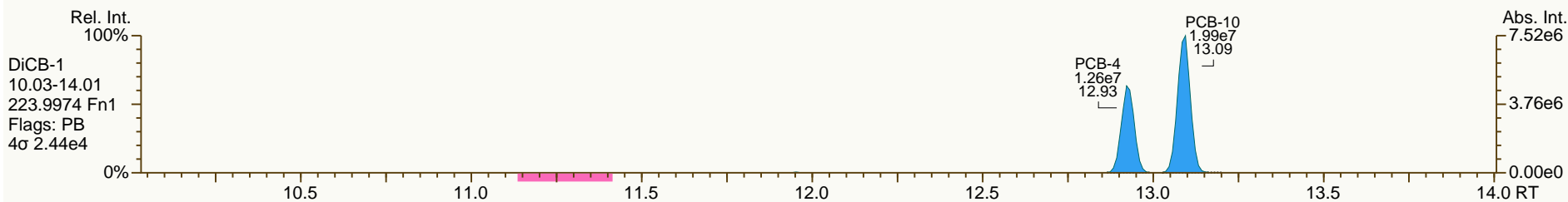
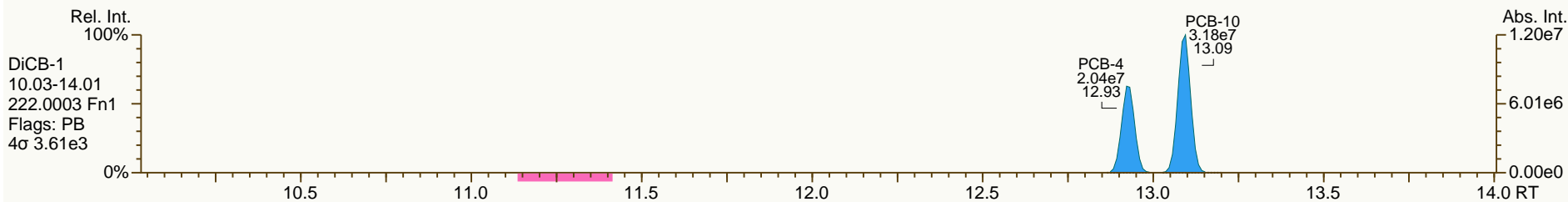
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AP Lab ID: CS3_120725_PCB_XB
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Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 26-Jul-2012 05:38:32
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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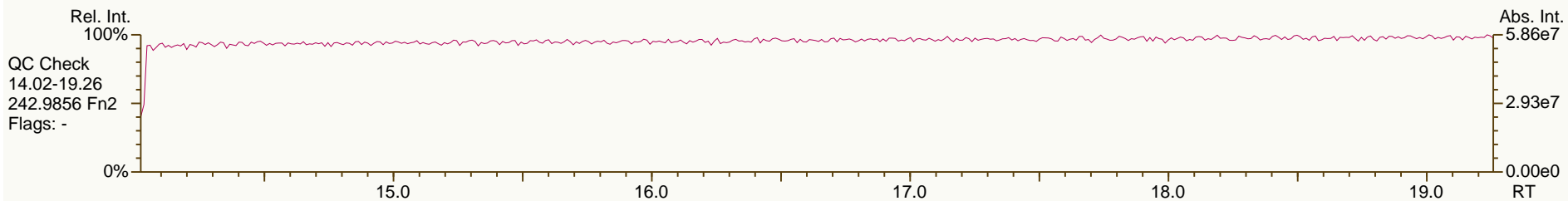
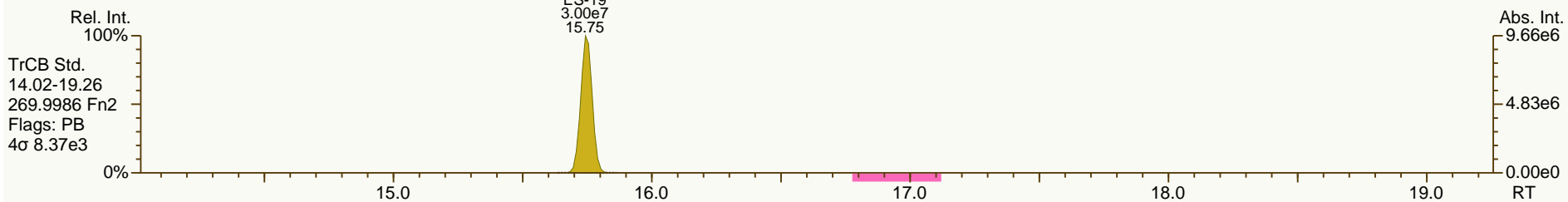
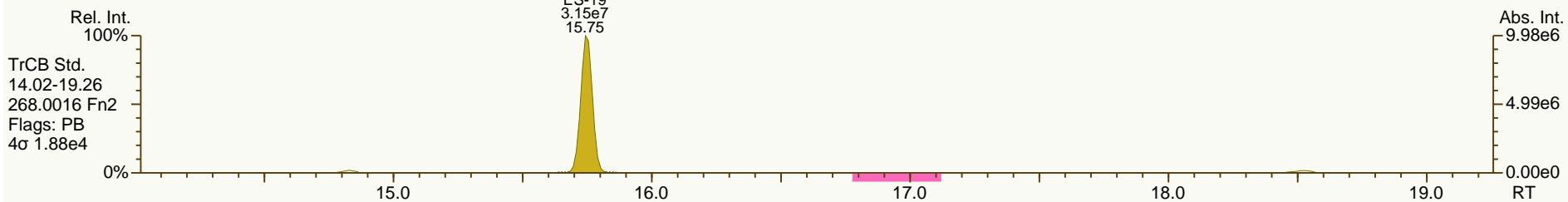
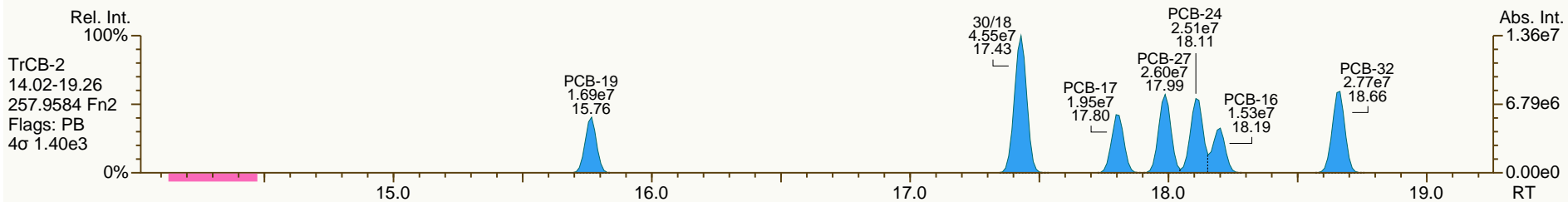
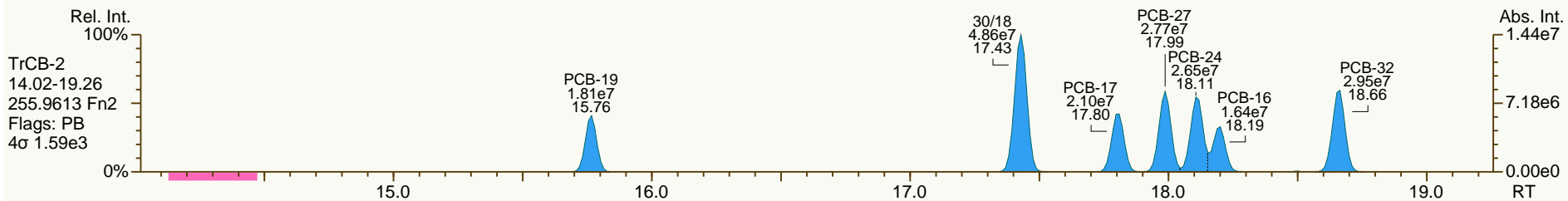
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

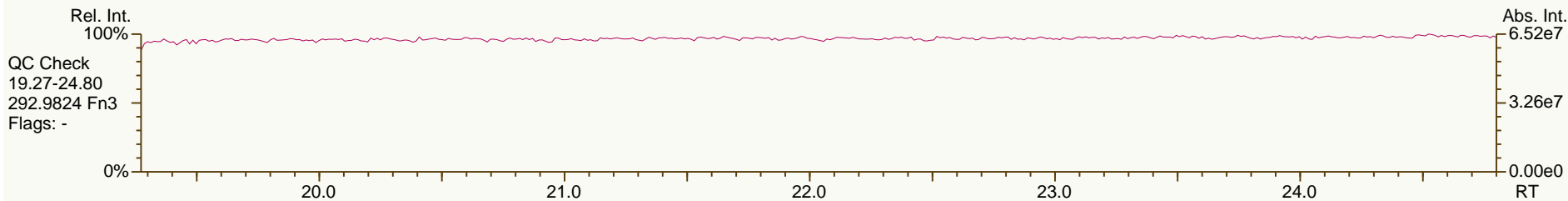
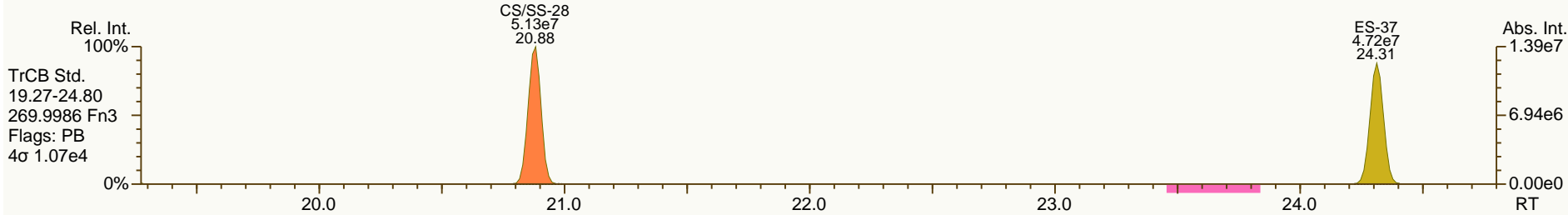
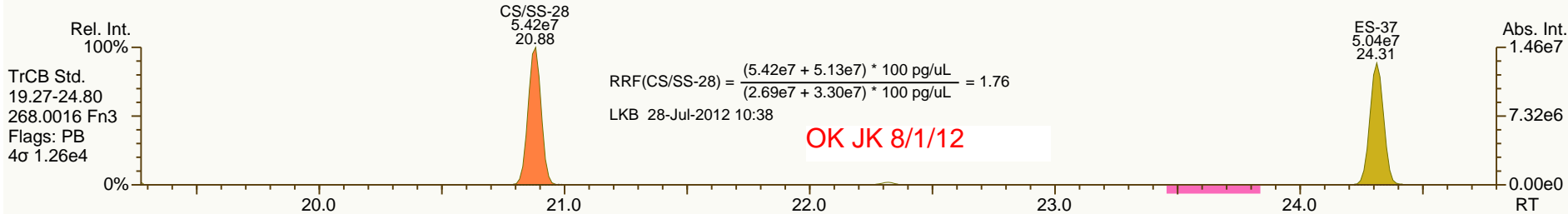
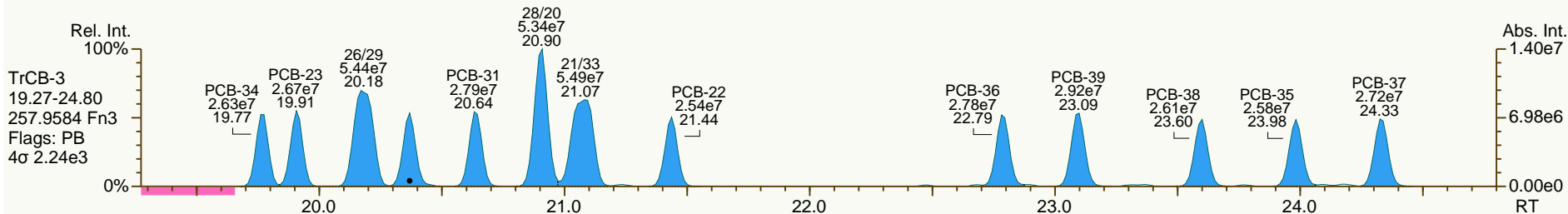
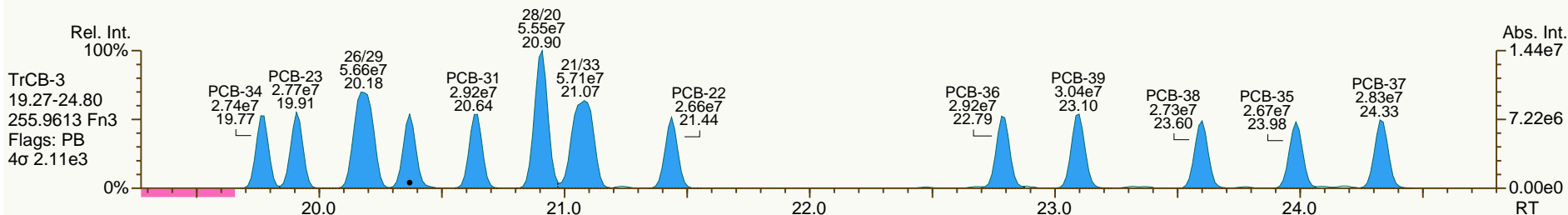
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

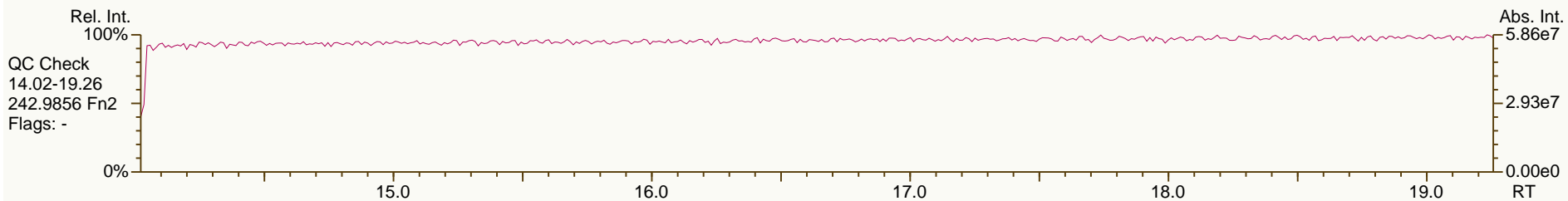
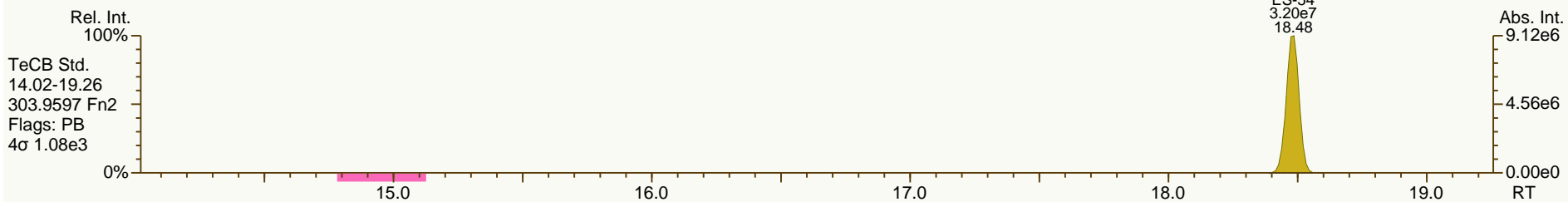
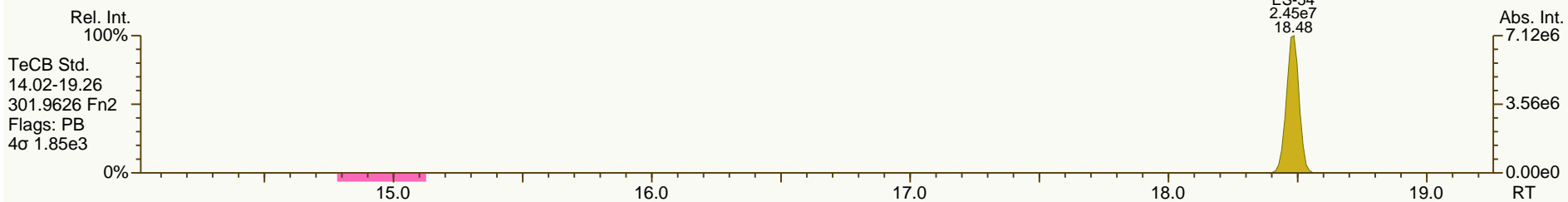
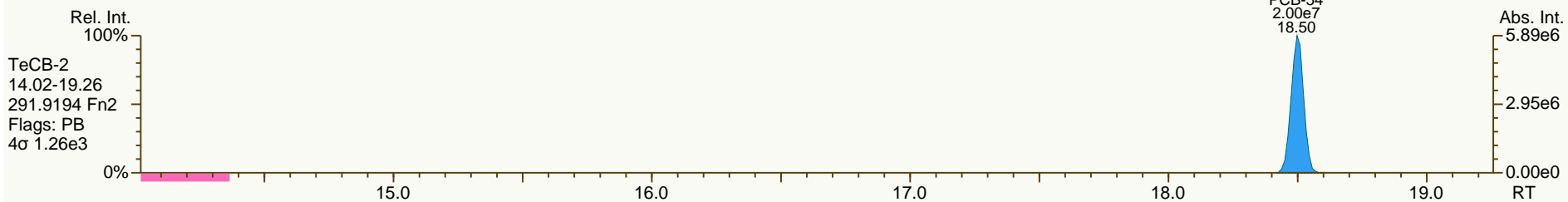
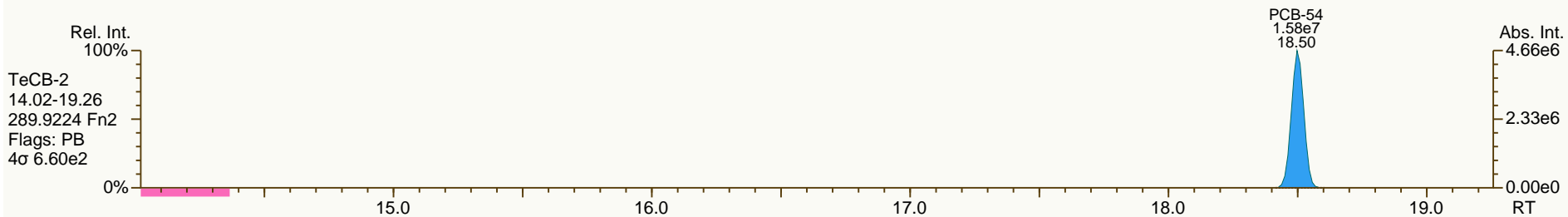
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

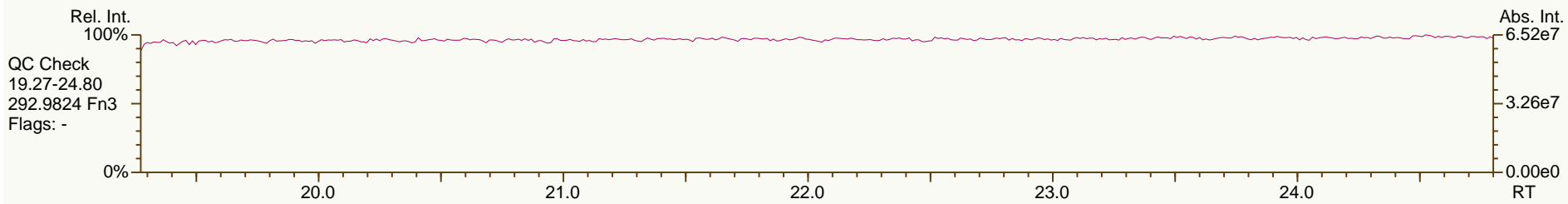
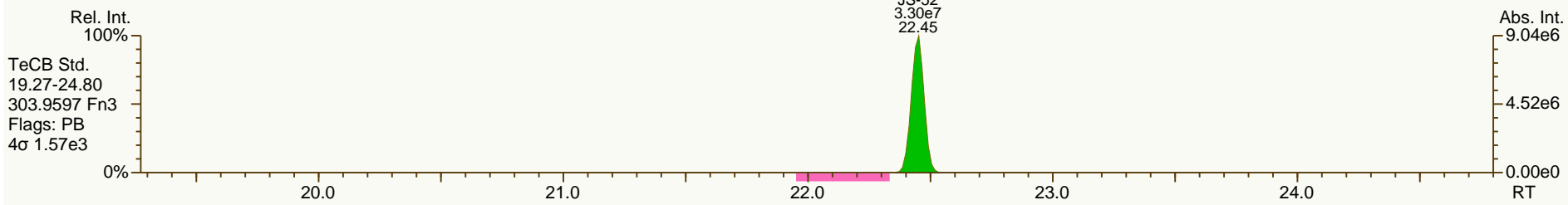
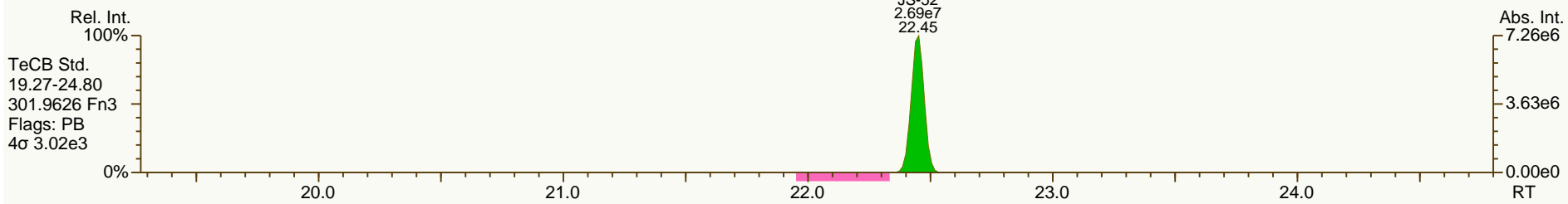
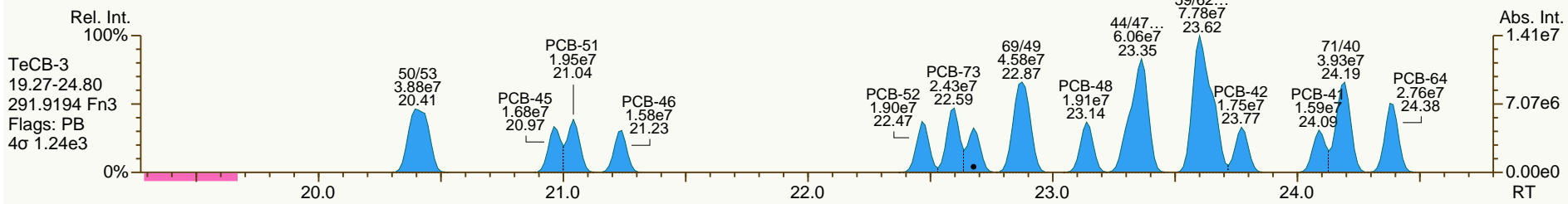
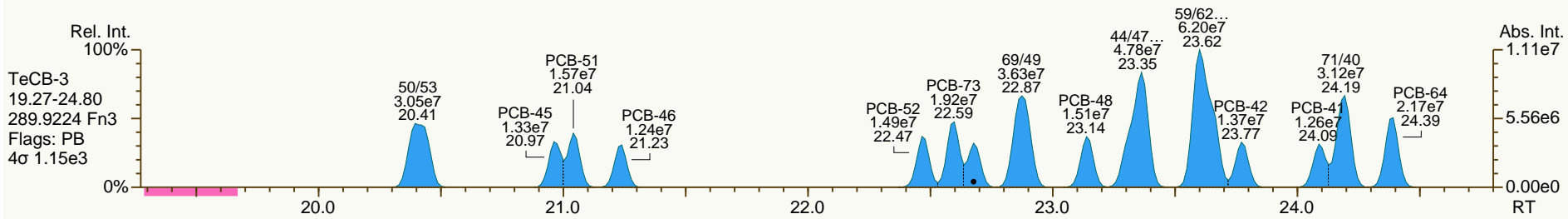
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

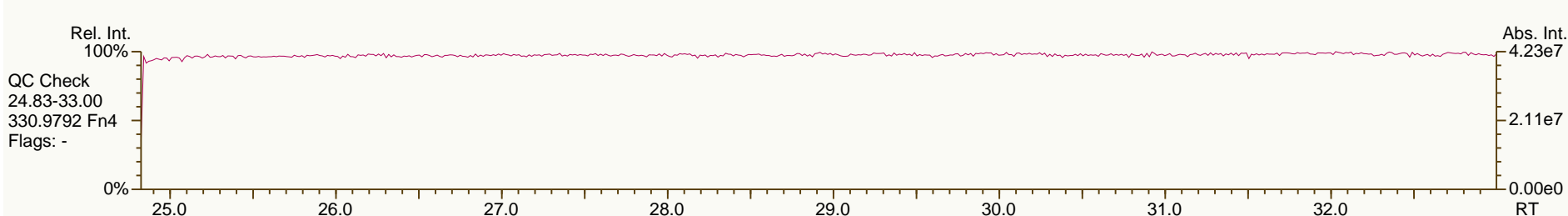
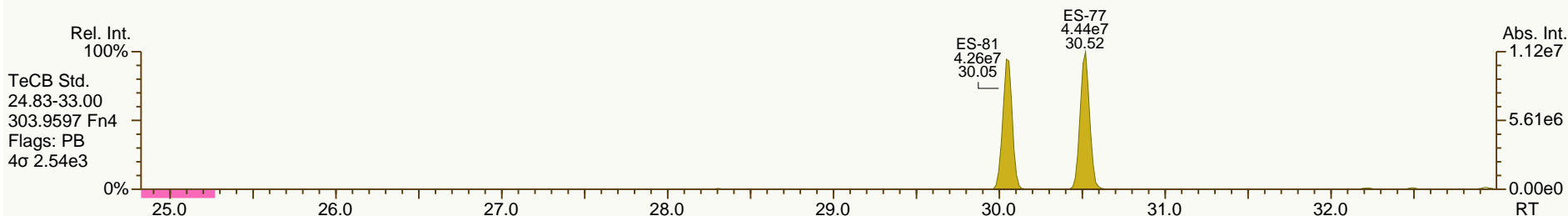
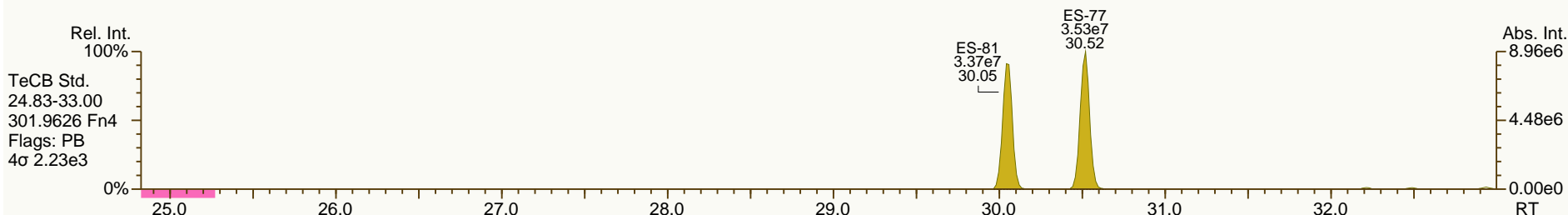
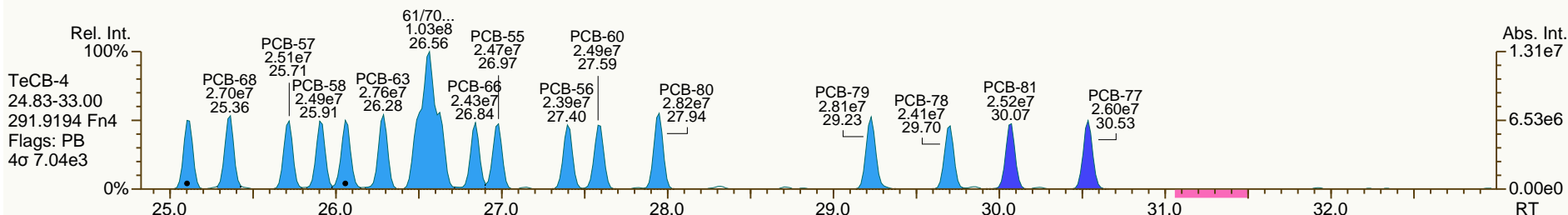
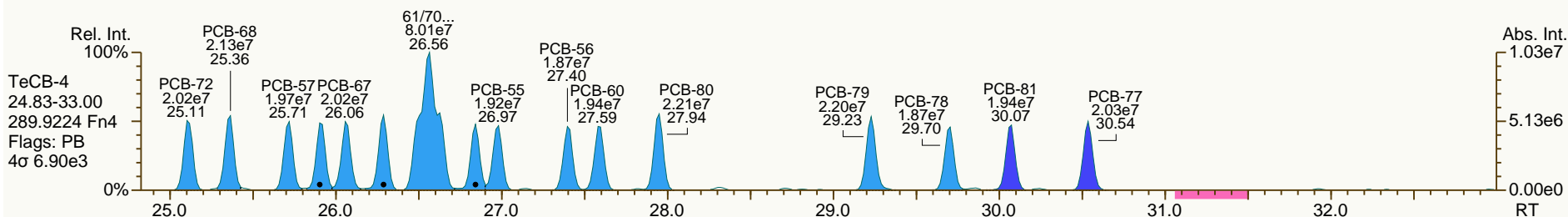
Acq: 26-Jul-2012 05:38:32
 User: LKB Datafile: 120725X18



AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

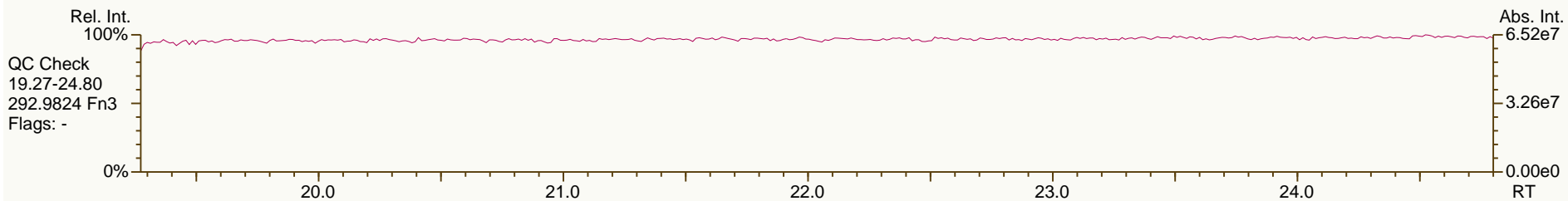
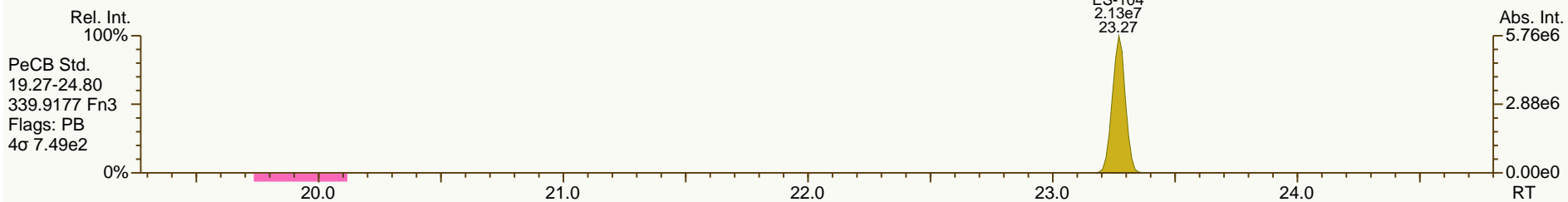
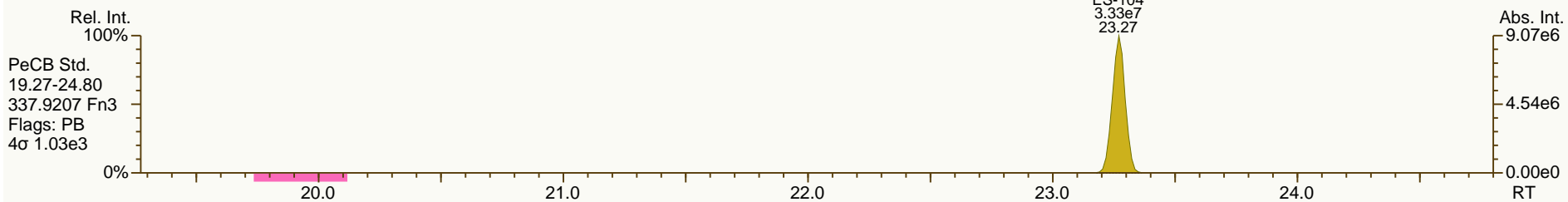
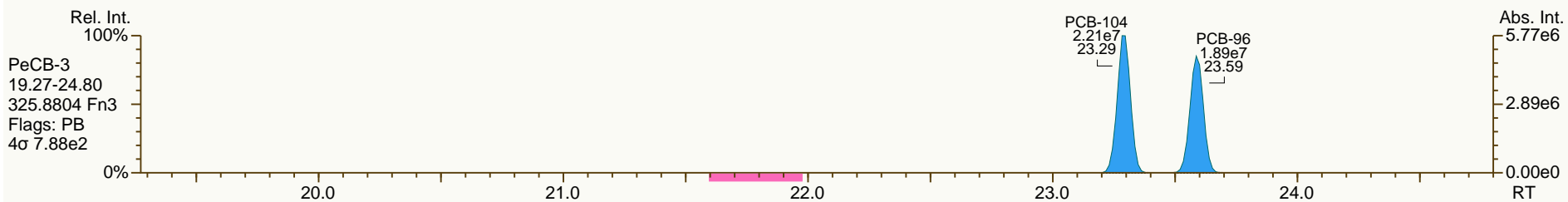
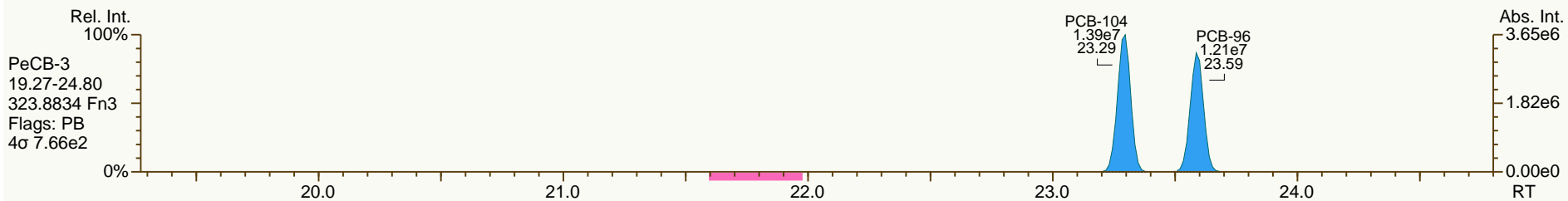
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

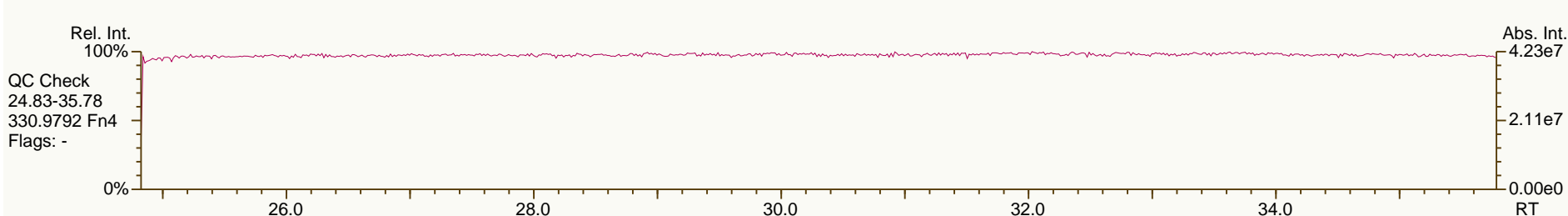
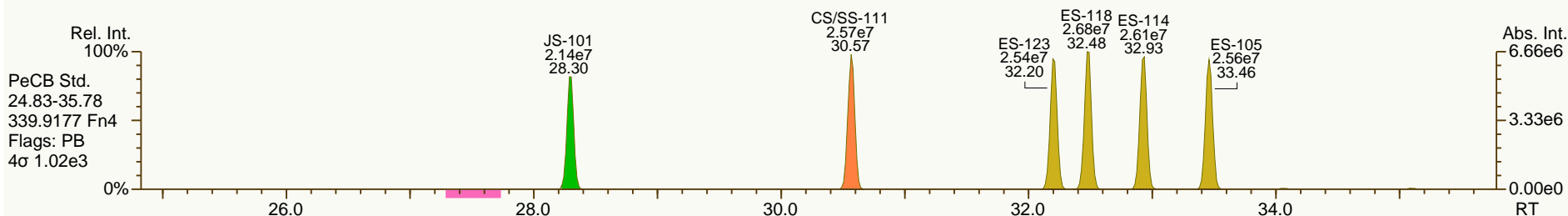
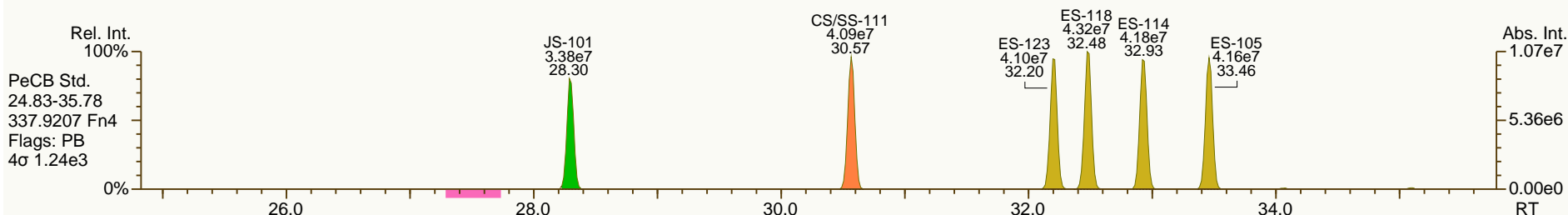
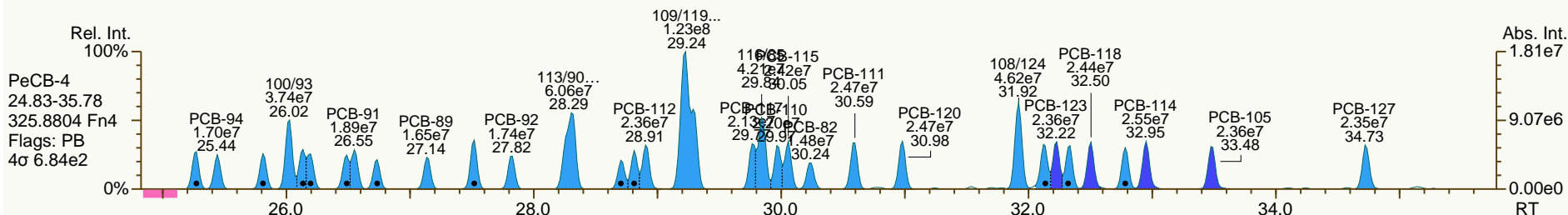
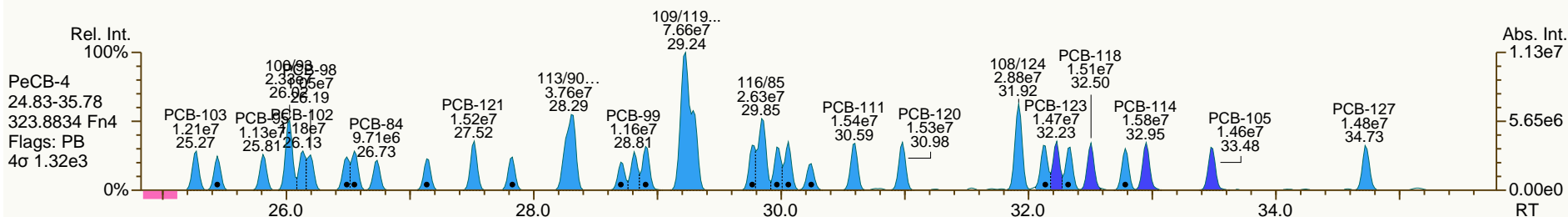
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

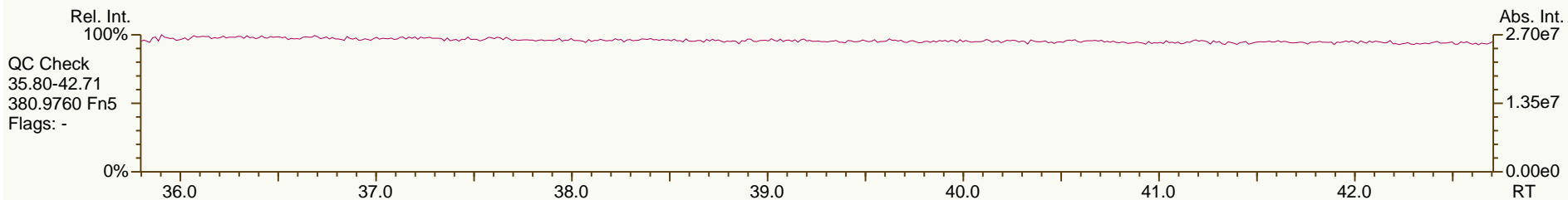
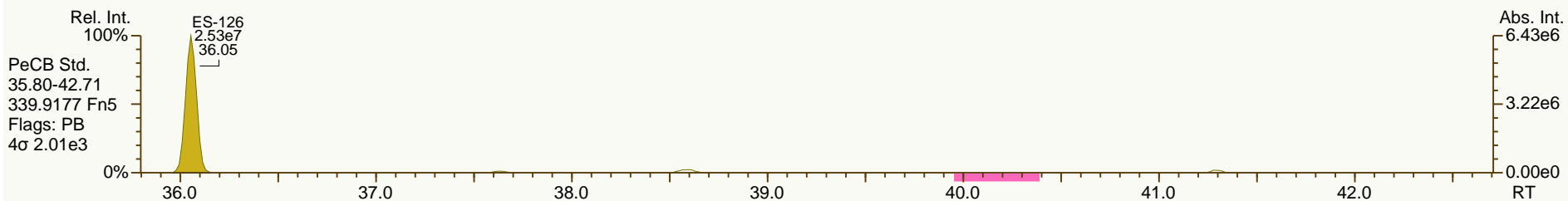
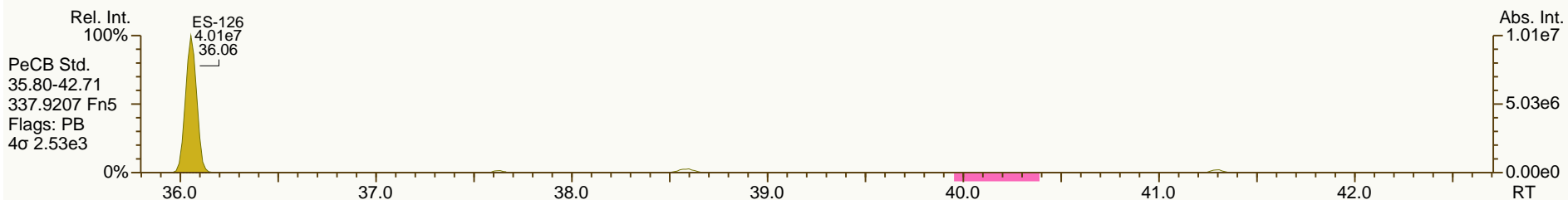
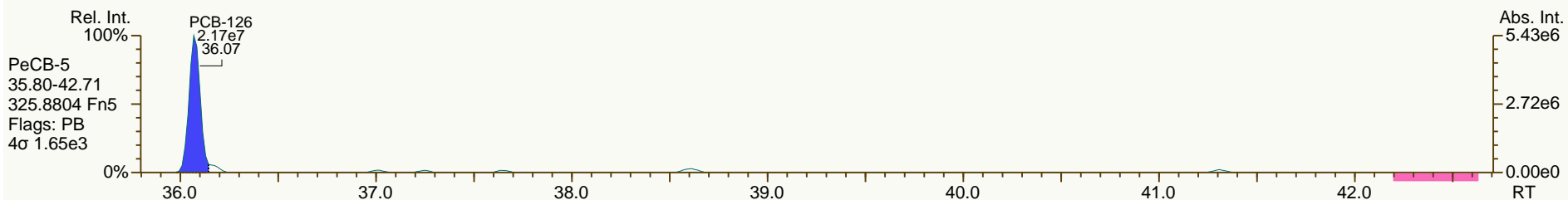
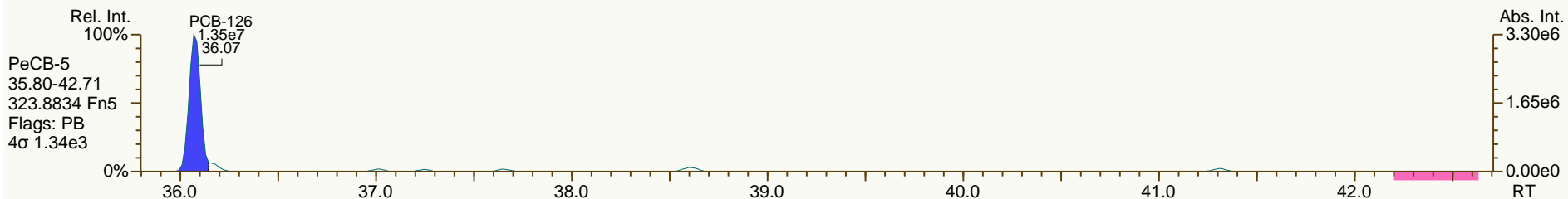
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

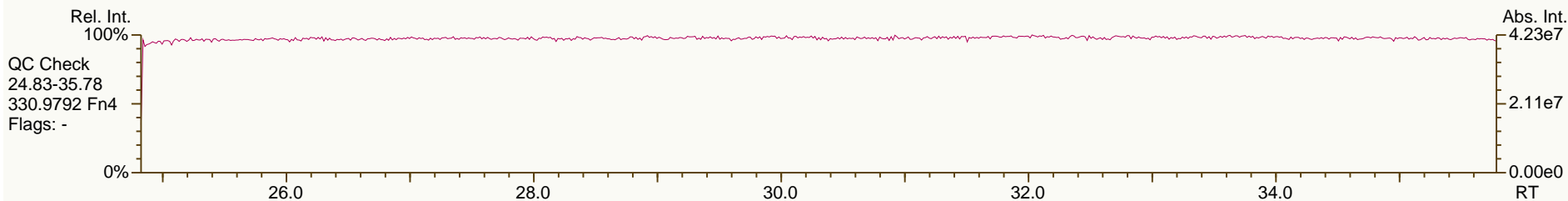
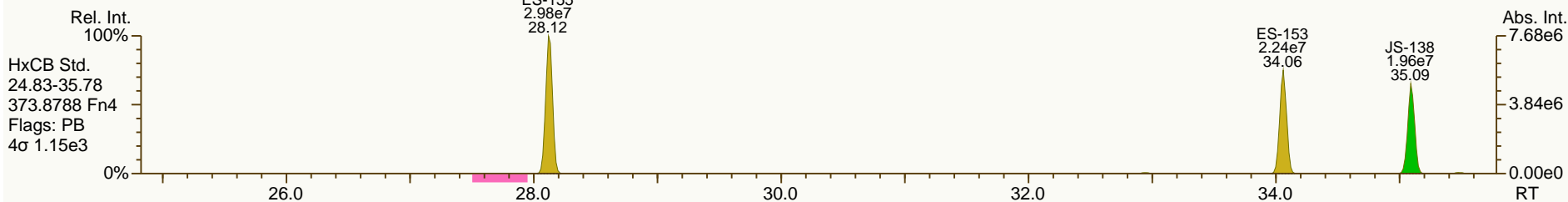
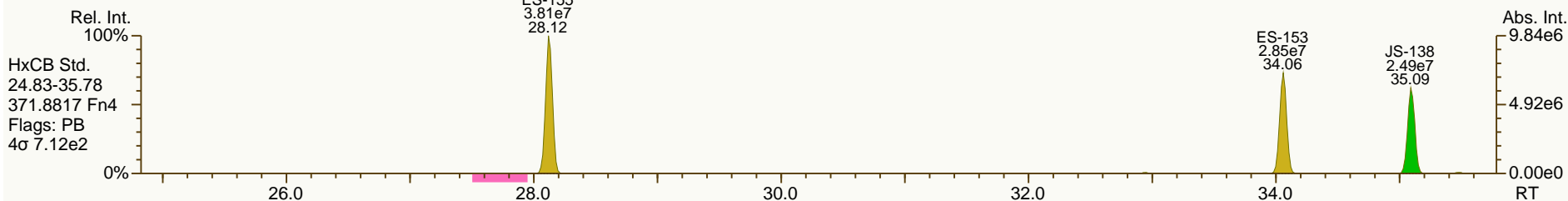
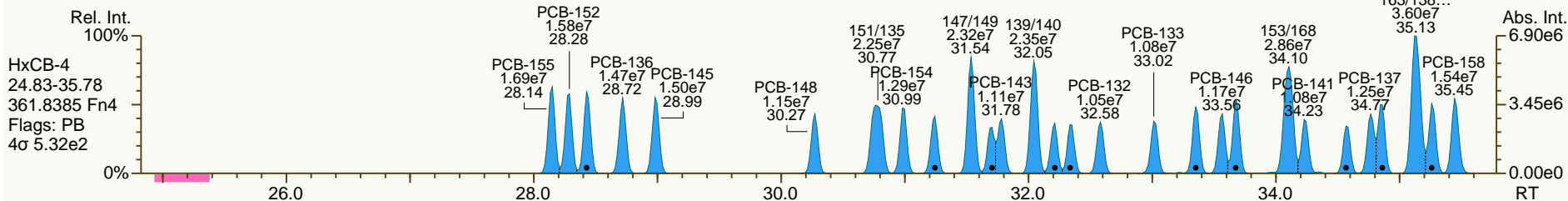
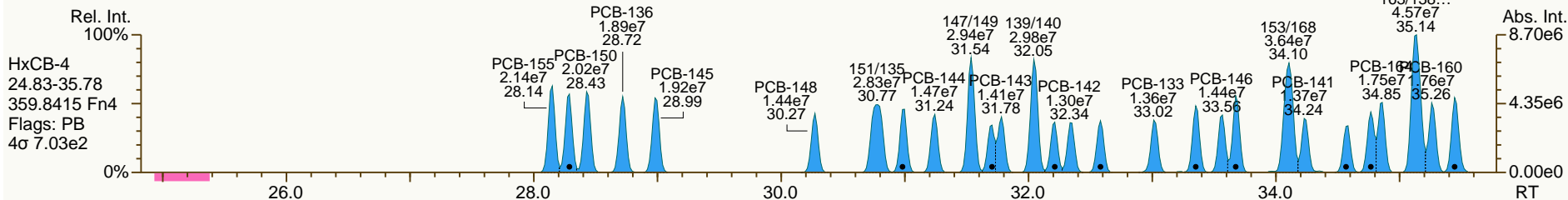
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

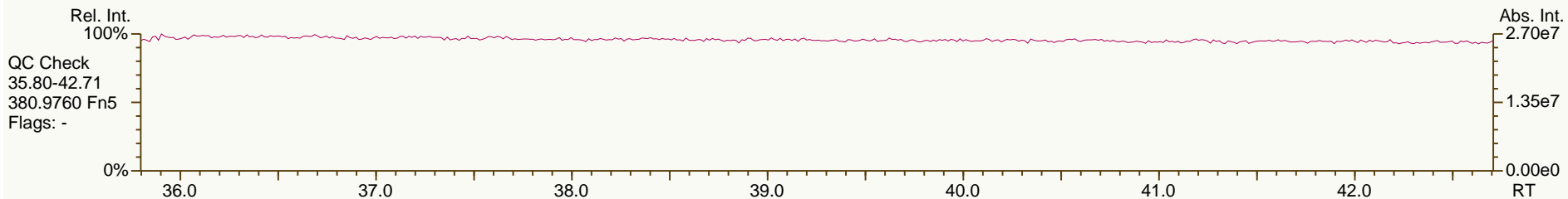
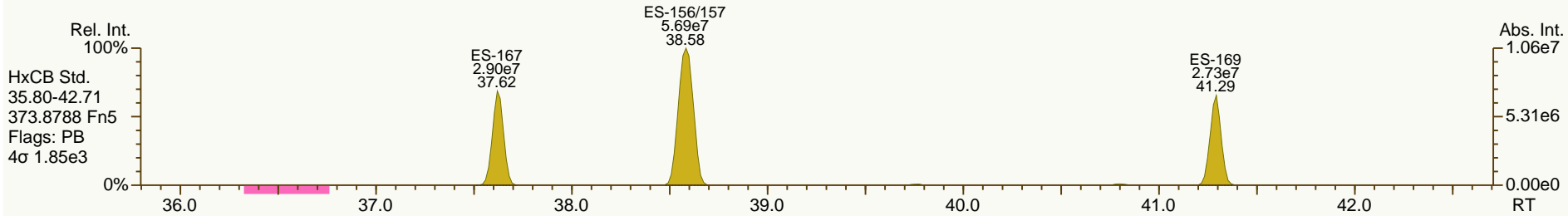
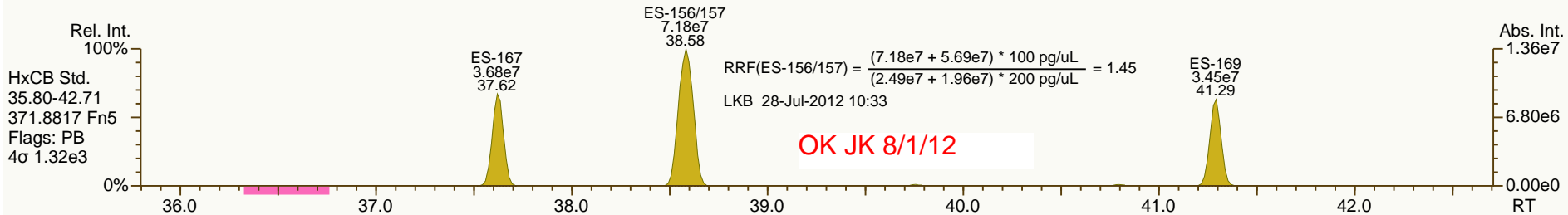
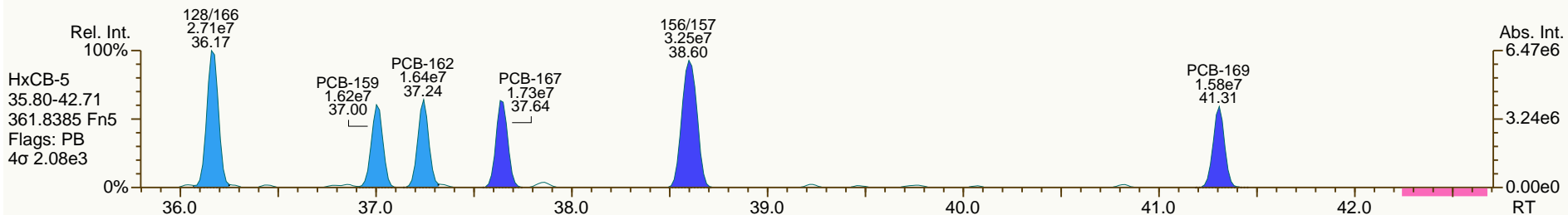
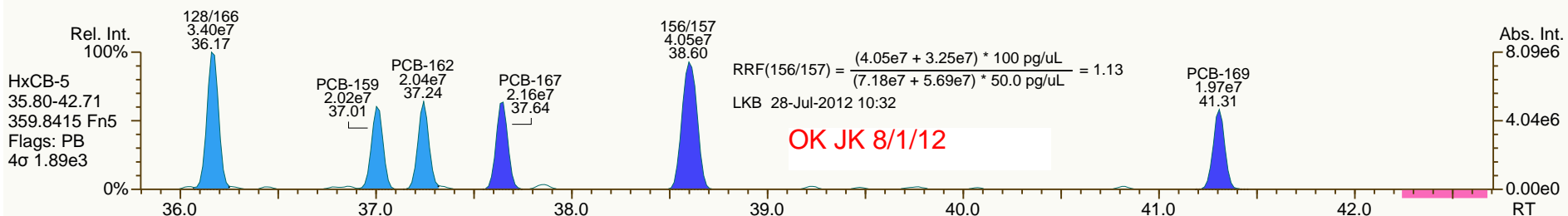
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

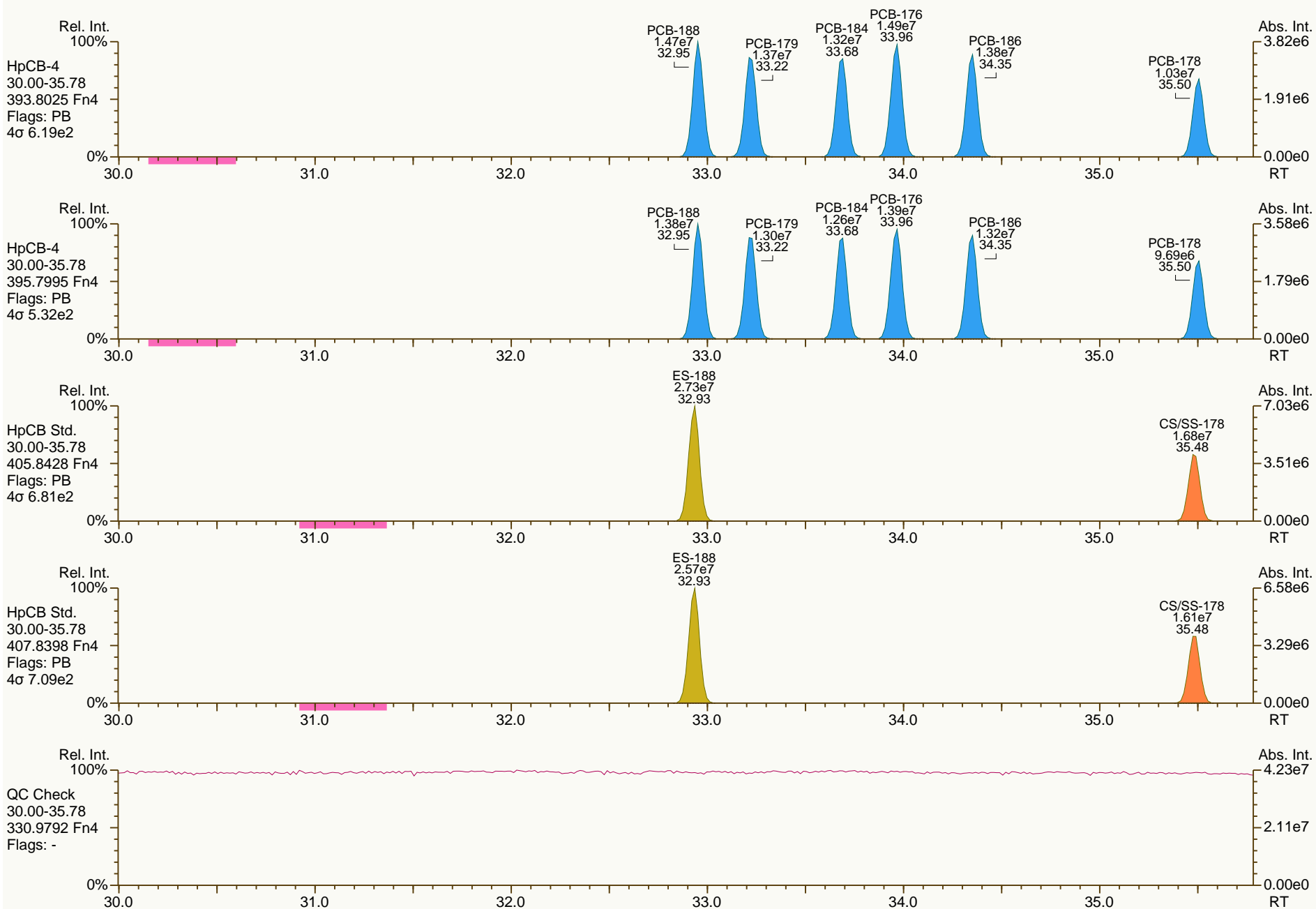
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

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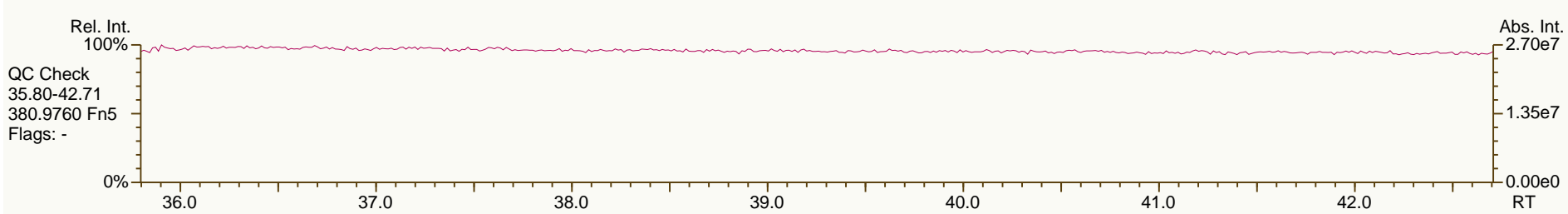
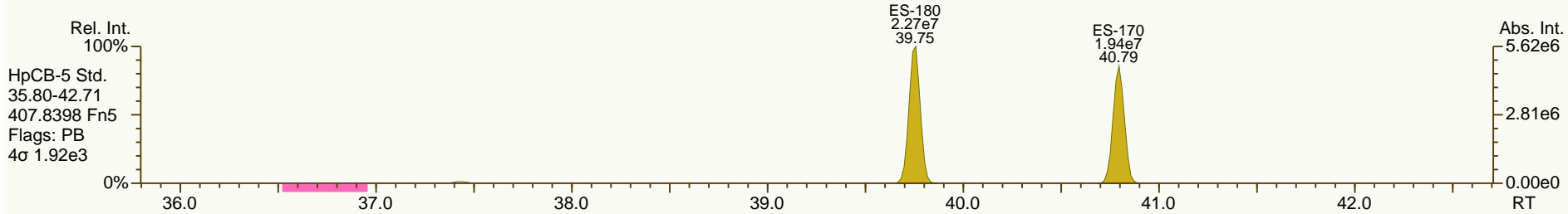
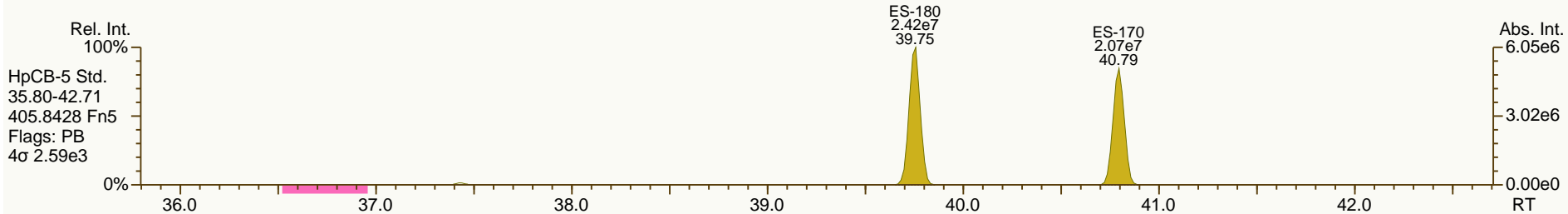
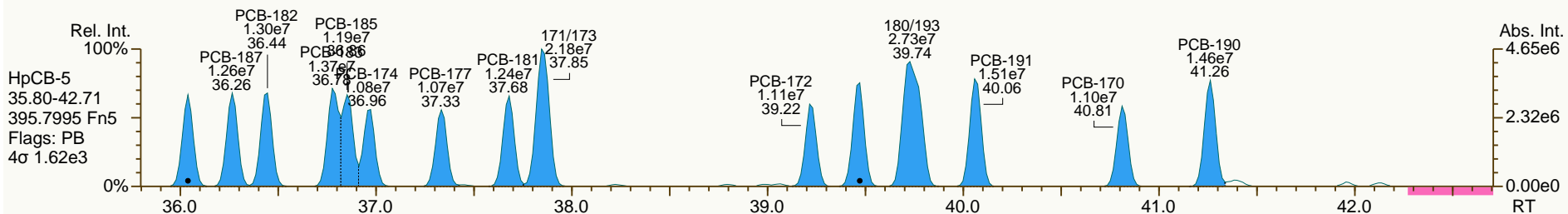
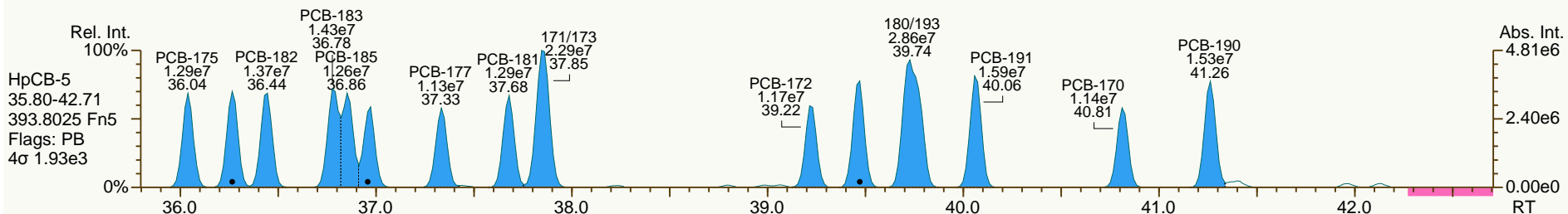
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 26-Jul-2012 05:38:32
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

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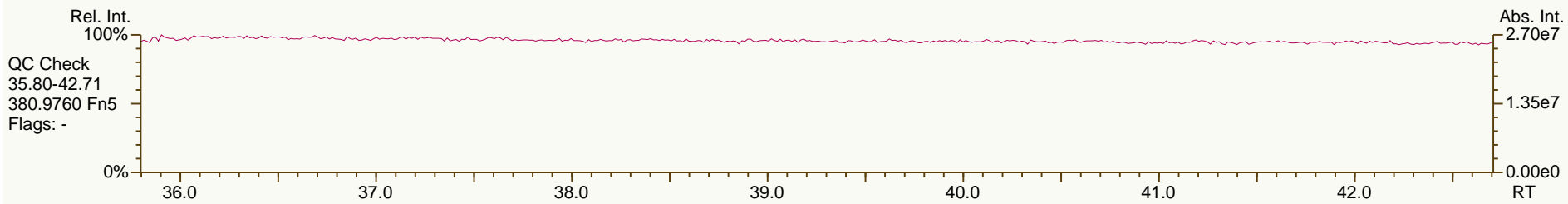
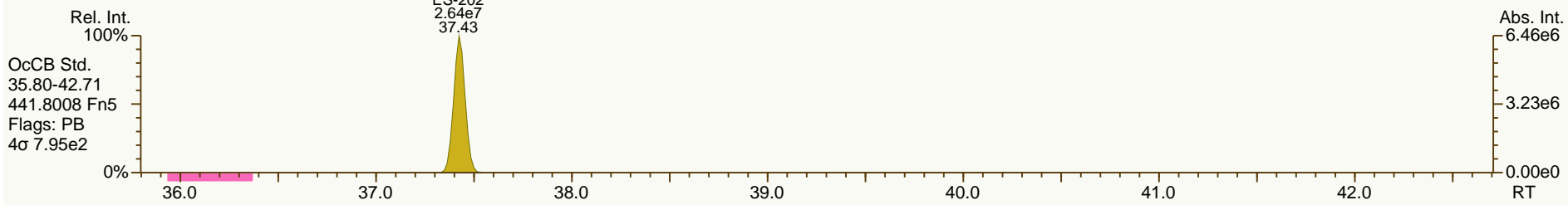
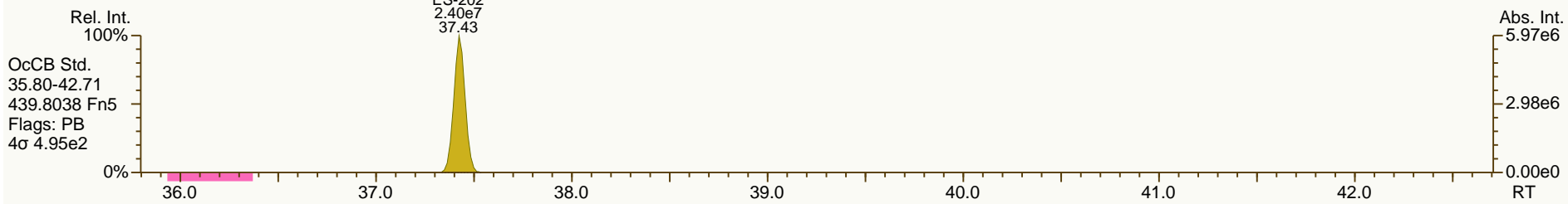
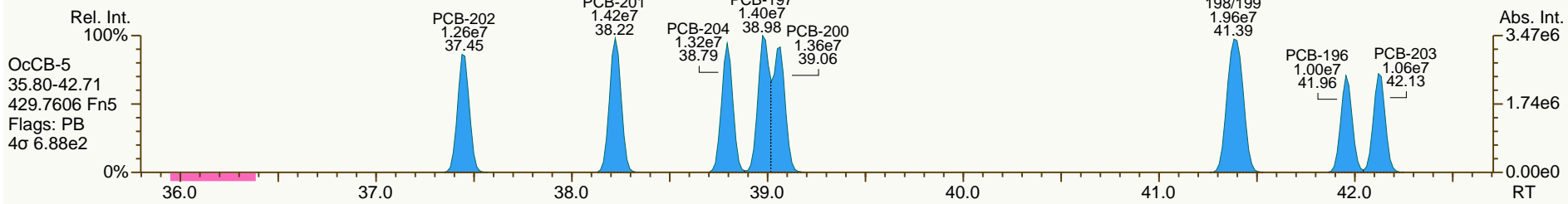
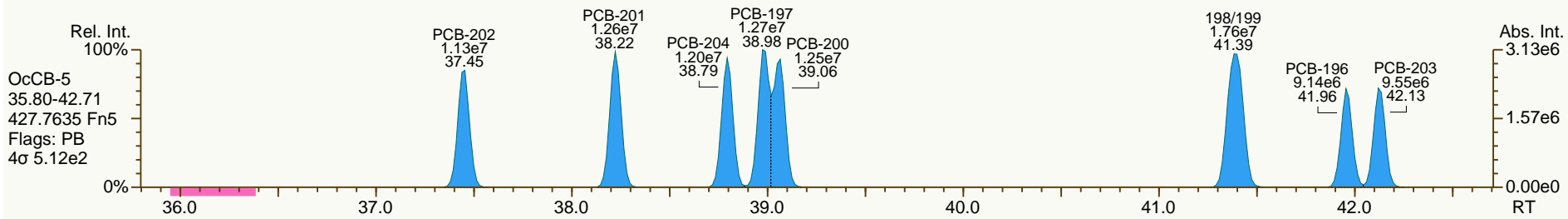
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

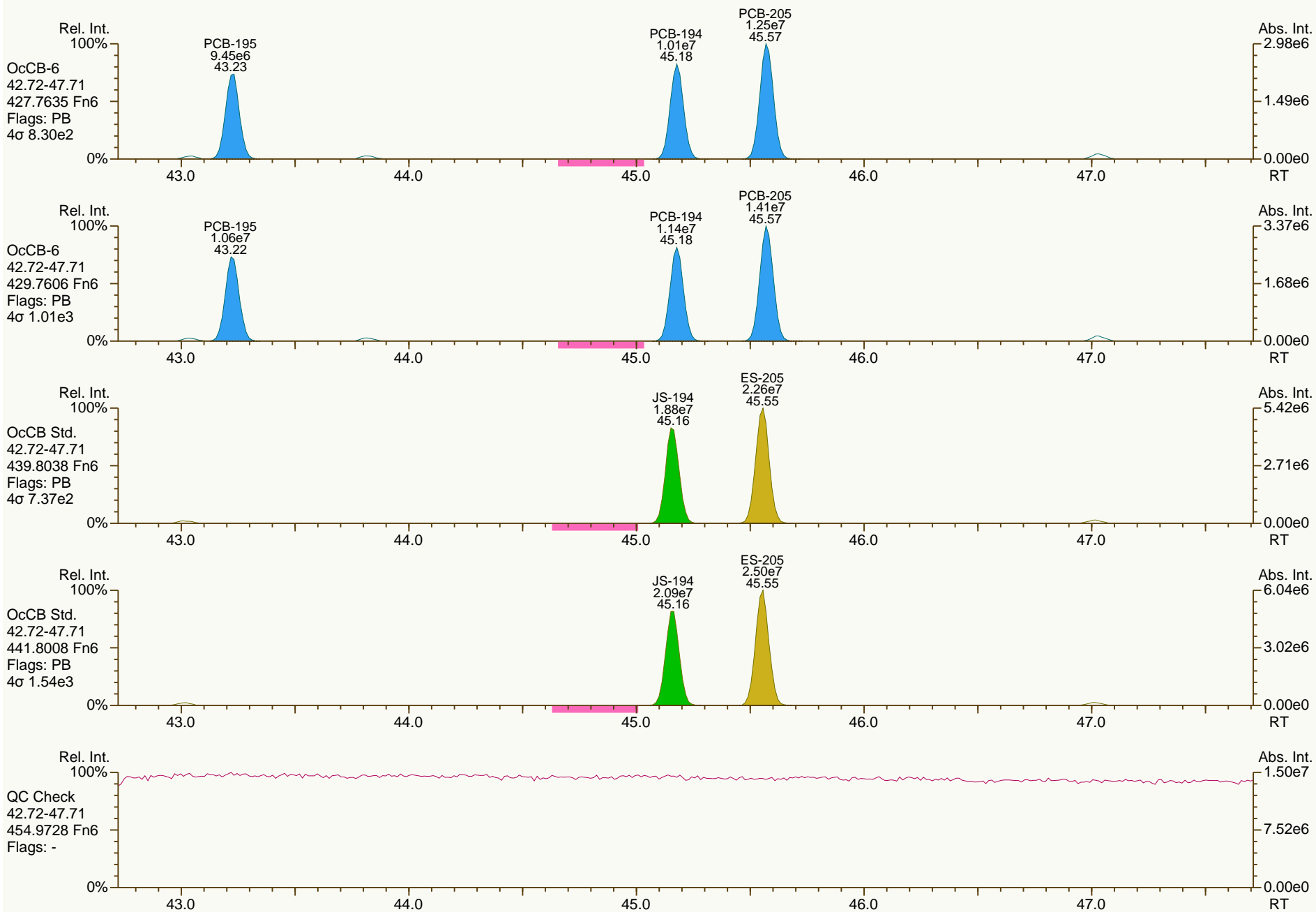
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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Acq: 26-Jul-2012 05:38:32
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AP Lab ID: CS3_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
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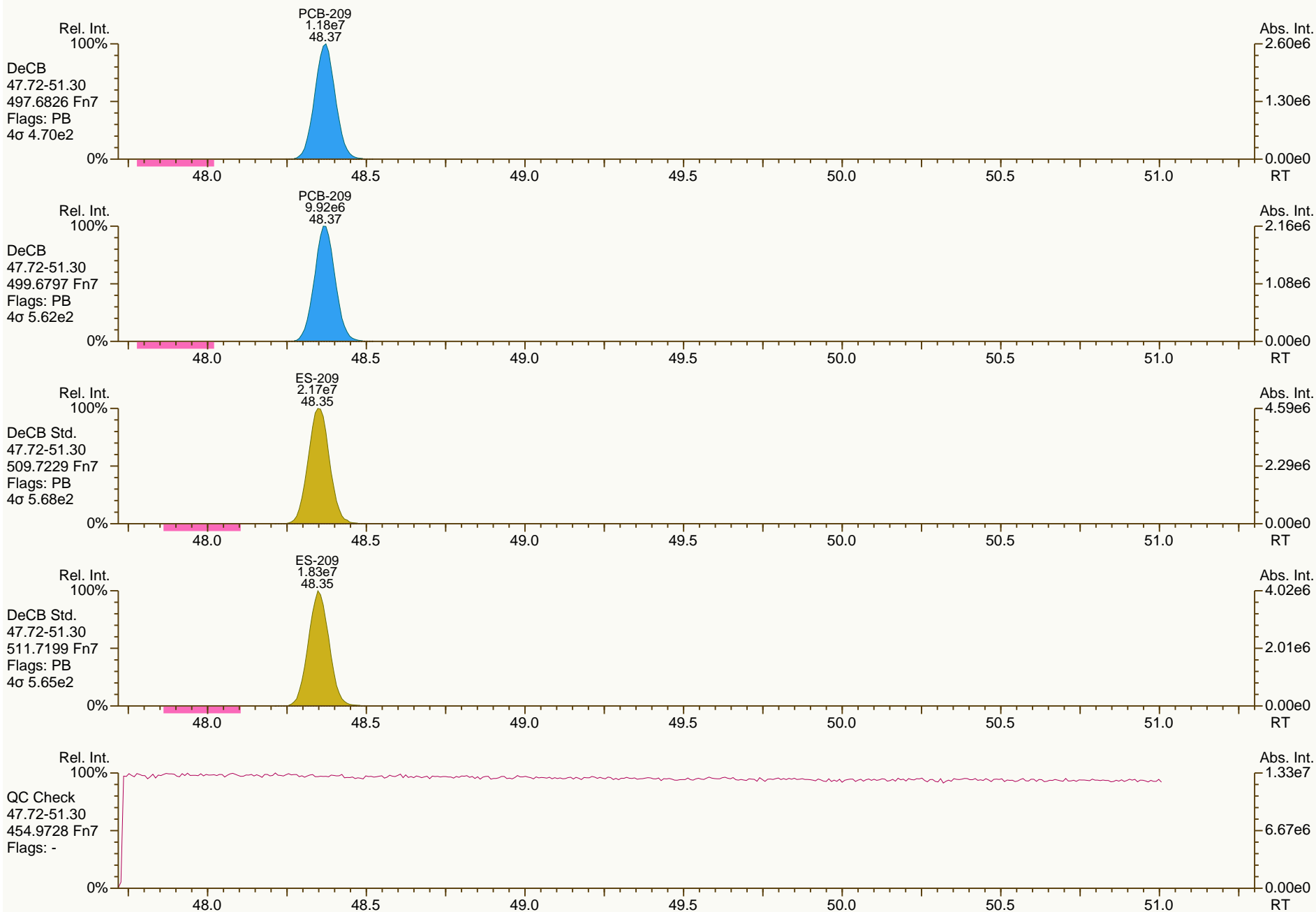
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AP Lab ID: CS3_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 53

Acq: 26-Jul-2012 05:38:32
User: LKB Datafile: 120725X18



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.55	4.04E+08	0.79 Y	1.13	1.20	5.6%	
PCB-81 344'5'-TeCB	30.08	3.90E+08	0.77 Y	1.13	1.20	6.8%	
PCB-105 233'44'-PeCB	33.50	3.31E+08	0.62 Y	1.09	1.16	6.2%	
PCB-114 2344'5'-PeCB	32.96	3.56E+08	0.63 Y	1.16	1.22	5.3%	
PCB-118 23'44'5'-PeCB	32.52	3.48E+08	0.63 Y	1.11	1.17	5.8%	
PCB-123 2'344'5'-PeCB	32.24	3.62E+08	0.63 Y	1.19	1.26	6.2%	
PCB-126 33'44'5'-PeCB	36.09	3.10E+08	0.63 Y	1.06	1.11	4.7%	
PCB-156/157 233'44'5'/233'44'5'	38.61	6.44E+08	1.25 Y	1.11	1.16	4.6%	
PCB-167 23'44'55'-HxCB	37.65	3.40E+08	1.24 Y	1.14	1.19	4.9%	
PCB-169 33'44'55'-HxCB	41.32	3.17E+08	1.26 Y	1.11	1.16	4.6%	
PCB-189 233'44'55'-HpCB	43.43	2.89E+08	1.05 Y	1.06	1.11	5.2%	
PCB-209 DeCB	48.38	1.92E+08	1.18 Y	1.07	1.10	2.2%	
ES PCB-1	10.65	1.18E+08	3.19 Y	1.08	1.06	-1.7%	
ES PCB-3	12.70	1.20E+08	3.24 Y	1.08	1.07	-0.9%	
ES PCB-4	12.93	5.34E+07	1.62 Y	0.49	0.48	-1.8%	
ES PCB-15	18.24	1.26E+08	1.57 Y	1.11	1.13	1.8%	
ES PCB-19	15.76	6.09E+07	1.07 Y	0.55	0.55	-1.3%	
ES PCB-37	24.33	1.01E+08	1.06 Y	1.64	1.65	0.9%	
ES PCB-54	18.49	5.58E+07	0.77 Y	0.94	0.91	-3.4%	
ES PCB-77	30.53	8.44E+07	0.78 Y	1.35	1.37	2.0%	
ES PCB-81	30.06	8.10E+07	0.79 Y	1.29	1.32	2.5%	
ES PCB-104	23.29	5.68E+07	1.54 Y	0.99	0.98	-1.2%	
ES PCB-105	33.47	7.12E+07	1.58 Y	1.23	1.23	-0.4%	
ES PCB-114	32.94	7.28E+07	1.61 Y	1.25	1.26	0.8%	
ES PCB-118	32.49	7.43E+07	1.60 Y	1.28	1.28	0.1%	
ES PCB-123	32.22	7.17E+07	1.60 Y	1.22	1.24	1.5%	
ES PCB-126	36.07	6.96E+07	1.58 Y	1.20	1.20	0.2%	
ES PCB-153	34.07	5.40E+07	1.29 Y	1.14	1.12	-2.0%	
ES PCB-155	28.14	7.08E+07	1.27 Y	1.50	1.46	-2.1%	
ES PCB-156/157	38.59	1.39E+08	1.28 Y	1.45	1.44	-1.1%	
ES PCB-167	37.63	7.14E+07	1.27 Y	1.49	1.48	-1.0%	
ES PCB-169	41.30	6.83E+07	1.27 Y	1.40	1.41	0.6%	
ES PCB-170	40.80	4.36E+07	1.06 Y	1.00	1.01	0.4%	
ES PCB-180	39.76	5.04E+07	1.07 Y	1.16	1.16	0.3%	
ES PCB-188	32.94	5.63E+07	1.07 Y	1.18	1.17	-1.0%	
ES PCB-189	43.42	6.51E+07	1.03 Y	1.49	1.50	1.0%	
ES PCB-202	37.44	5.45E+07	0.90 Y	1.14	1.13	-0.7%	
ES PCB-205	45.56	5.25E+07	0.90 Y	1.20	1.21	0.7%	
ES PCB-206	47.02	3.81E+07	0.79 Y	0.87	0.88	1.0%	
ES PCB-208	43.02	5.18E+07	0.79 Y	1.19	1.20	0.4%	
ES PCB-209	48.36	4.37E+07	1.20 Y	1.00	1.01	0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.89	1.08E+08	1.06 Y	1.07	1.07	-0.5%	
SS PCB-111	30.58	7.13E+07	1.59 Y	1.01	1.00	-1.0%	
SS PCB-178	35.49	3.54E+07	1.06 Y	0.63	0.63	0.0%	
CS PCB-28	20.89	1.08E+08	1.06 Y	1.76	1.77	0.5%	
CS PCB-111	30.58	7.13E+07	1.59 Y	1.23	1.23	0.5%	
CS PCB-178	35.49	3.54E+07	1.06 Y	0.74	0.73	-1.1%	
JS PCB-9	14.75	1.11E+08	1.58 Y	-	-	-	
JS PCB-52	22.46	6.14E+07	0.80 Y	-	-	-	
JS PCB-101	28.31	5.79E+07	1.61 Y	-	-	-	
JS PCB-138	35.11	4.83E+07	1.28 Y	-	-	-	
JS PCB-194	45.17	4.34E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%	
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%	
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%	
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%	
PCB-19 22'6'-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%	
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%	
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%	
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%	
PCB-153 22'44'55'-HxCB	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%	
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%	
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%	
PCB-180 22'344'55'-HpCB	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%	
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%	
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%	
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%	
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.66	5.29E+08	3.21 Y	1.03	1.12	8.1%
PCB-2 3-MoCB	12.55	5.43E+08	3.21 Y	1.04	1.14	8.9%
PCB-3 4-MoCB	12.72	5.38E+08	3.18 Y	1.04	1.12	7.7%
PCB-4 22'-DiCB	12.94	2.66E+08	1.60 Y	1.17	1.24	6.2%
PCB-10 26-DiCB	13.11	4.13E+08	1.61 Y	1.83	1.93	5.5%
PCB-9 25-DiCB	14.77	4.76E+08	1.58 Y	0.89	0.95	5.6%
PCB-7 24-DiCB	14.92	5.47E+08	1.60 Y	1.02	1.08	5.9%
PCB-6 23'-DiCB	15.13	5.09E+08	1.59 Y	0.95	1.01	6.5%
PCB-5 23-DiCB	15.40	5.14E+08	1.59 Y	0.97	1.02	4.8%
PCB-8 24'-DiCB	15.52	5.29E+08	1.58 Y	0.98	1.05	6.8%
PCB-14 35-DiCB	16.98	6.18E+08	1.59 Y	1.16	1.23	5.8%
PCB-11 33'-DiCB	17.71	5.37E+08	1.60 Y	1.00	1.07	6.7%
PCB-13/12 34'-/34-DiCB	17.99	1.10E+09	1.59 Y	1.02	1.09	7.0%
PCB-15 44'-DiCB	18.26	5.72E+08	1.58 Y	1.08	1.14	5.0%
PCB-19 22'6-TrCB	15.78	2.85E+08	1.06 Y	1.09	1.17	6.8%
PCB-30/18 246-/22'5-TrCB	17.44	7.70E+08	1.06 Y	1.46	1.58	8.2%
PCB-17 22'4-TrCB	17.82	3.31E+08	1.06 Y	1.25	1.36	8.5%
PCB-27 23'6-TrCB	18.00	4.49E+08	1.06 Y	1.69	1.84	9.0%
PCB-24 236-TrCB	18.12	4.19E+08	1.06 Y	1.63	1.72	5.1%
PCB-16 22'3-TrCB	18.21	2.64E+08	1.06 Y	0.95	1.08	13.4%
PCB-32 24'6-TrCB	18.67	4.65E+08	1.06 Y	1.79	1.91	6.7%
PCB-34 2'35-TrCB	19.78	4.47E+08	1.05 Y	1.05	1.10	5.2%
PCB-23 235-TrCB	19.92	4.52E+08	1.04 Y	1.06	1.11	5.4%
PCB-26/29 23'5-/245-TrCB	20.19	9.23E+08	1.05 Y	1.09	1.14	4.9%
PCB-25 23'4-TrCB	20.38	4.61E+08	1.05 Y	1.07	1.14	5.9%
PCB-31 24'5-TrCB	20.65	4.76E+08	1.04 Y	1.11	1.17	5.7%
PCB-28/20 244'-/233'-TrCB	20.92	9.09E+08	1.04 Y	1.07	1.12	5.0%
PCB-21/33 234-/2'34-TrCB	21.09	9.43E+08	1.05 Y	1.09	1.16	6.4%
PCB-22 234'-TrCB	21.45	4.32E+08	1.04 Y	1.02	1.07	4.9%
PCB-36 33'5-TrCB	22.80	4.80E+08	1.05 Y	1.13	1.18	5.0%
PCB-39 34'5-TrCB	23.11	5.02E+08	1.04 Y	1.17	1.24	6.3%
PCB-38 345-TrCB	23.61	4.53E+08	1.04 Y	1.03	1.12	8.1%
PCB-35 33'4-TrCB	24.00	4.42E+08	1.05 Y	1.04	1.09	4.9%
PCB-37 344'-TrCB	24.35	4.68E+08	1.05 Y	1.10	1.15	4.4%
PCB-54 22'66'-TeCB	18.51	2.91E+08	0.79 Y	1.21	1.30	7.8%
PCB-50/53 22'46-/22'56'TeCB	20.42	5.79E+08	0.79 Y	0.86	0.89	4.3%
PCB-45 22'36'-TeCB	20.98	2.51E+08	0.78 Y	0.73	0.77	5.8%
PCB-51 22'46'-TeCB	21.05	3.01E+08	0.80 Y	0.88	0.93	5.8%
PCB-46 22'36'-TeCB	21.25	2.37E+08	0.79 Y	0.70	0.73	5.4%
PCB-52 22'55'-TeCB	22.48	2.81E+08	0.79 Y	0.84	0.87	3.0%
PCB-73 23'5'6TeCB	22.61	3.60E+08	0.79 Y	1.09	1.11	1.9%
PCB-43 22'35'-TeCB	22.69	2.52E+08	0.80 Y	0.72	0.78	7.4%
PCB-69/49 23'46-/22'45'TeCB	22.89	6.89E+08	0.79 Y	1.01	1.06	5.0%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	2.89E+08	0.79 Y	0.85	0.89	5.0%
PCB-44/47/65 22'35'-/22'44'-	23.36	9.15E+08	0.79 Y	0.89	0.94	5.7%
PCB-59/62/75 233'6-/2346-/24	23.63	1.18E+09	0.79 Y	1.14	1.22	6.7%
PCB-42 22'34'-TeCB	23.79	2.64E+08	0.80 Y	0.77	0.81	5.5%
PCB-41 22'34'-TeCB	24.10	2.36E+08	0.78 Y	0.73	0.73	0.2%
PCB-71/40 23'4'6/22'33'-TeCB	24.20	5.96E+08	0.79 Y	0.87	0.92	6.2%
PCB-64 234'6'-TeCB	24.40	4.16E+08	0.79 Y	1.24	1.28	3.8%
PCB-72 23'55'-TeCB	25.12	3.93E+08	0.79 Y	1.14	1.21	6.0%
PCB-68 23'45'-TeCB	25.37	4.18E+08	0.79 Y	1.21	1.29	6.6%
PCB-57 233'5'-TeCB	25.73	3.76E+08	0.78 Y	1.11	1.16	5.1%
PCB-58 233'5'-TeCB	25.92	3.78E+08	0.79 Y	1.10	1.17	6.1%
PCB-67 23'45'-TeCB	26.07	4.00E+08	0.78 Y	1.16	1.23	6.4%
PCB-63 234'5'-TeCB	26.30	4.17E+08	0.78 Y	1.22	1.29	6.0%
PCB-61/70/74/76 2345-/23'4'5	26.58	1.57E+09	0.78 Y	1.13	1.21	7.3%
PCB-66 23'44'-TeCB	26.85	3.66E+08	0.78 Y	1.08	1.13	5.1%
PCB-55 233'4'-TeCB	26.99	3.77E+08	0.78 Y	1.10	1.16	6.0%
PCB-56 233'4'-TeCB	27.41	3.62E+08	0.78 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.60	3.84E+08	0.79 Y	1.11	1.18	6.6%
PCB-80 33'55'-TeCB	27.96	4.32E+08	0.79 Y	1.25	1.33	6.4%
PCB-79 33'45'-TeCB	29.24	4.39E+08	0.78 Y	1.23	1.36	9.9%
PCB-78 33'45'-TeCB	29.71	3.70E+08	0.77 Y	1.08	1.14	5.7%
PCB-104 22'466'-PeCB	23.31	2.98E+08	0.63 Y	1.25	1.31	4.5%
PCB-96 22'366'-PeCB	23.60	2.60E+08	0.63 Y	1.08	1.14	6.5%
PCB-103 22'45'6'-PeCB	25.28	2.65E+08	0.63 Y	0.90	0.93	2.7%
PCB-94 22'356'-PeCB	25.46	2.32E+08	0.62 Y	0.78	0.81	4.2%
PCB-95 22'35'6'-PeCB	25.83	2.47E+08	0.63 Y	0.83	0.86	4.4%
PCB-100/93 22'44'6-/22'356-P	26.04	4.92E+08	0.63 Y	0.84	0.86	1.7%
PCB-102 22'456'-PeCB	26.14	2.81E+08	0.63 Y	0.90	0.98	8.9%
PCB-98 22'3'46'-PeCB	26.21	2.30E+08	0.63 Y	0.77	0.80	3.9%
PCB-88 22'346'-PeCB	26.50	2.39E+08	0.63 Y	0.79	0.83	5.2%
PCB-91 22'34'6'-PeCB	26.57	2.64E+08	0.63 Y	0.88	0.92	4.7%
PCB-84 22'33'6'-PeCB	26.74	2.13E+08	0.62 Y	0.71	0.74	4.5%
PCB-89 22'346'-PeCB	27.15	2.26E+08	0.63 Y	0.76	0.79	3.6%
PCB-121 23'45'6'-PeCB	27.53	3.39E+08	0.63 Y	1.14	1.18	3.3%
PCB-92 22'355'-PeCB	27.83	2.39E+08	0.63 Y	0.80	0.84	4.4%
PCB-113/90/101 233'5'6-/22'3	28.31	8.36E+08	0.63 Y	0.93	0.97	4.0%
PCB-83 22'33'5'-PeCB	28.72	2.03E+08	0.62 Y	0.71	0.71	-0.5%
PCB-99 22'44'5'-PeCB	28.83	2.76E+08	0.63 Y	0.87	0.96	10.6%
PCB-112 233'56'-PeCB	28.92	3.25E+08	0.63 Y	1.13	1.13	0.7%
PCB-108/119/86/97/125/87 233	29.26	1.71E+09	0.63 Y	0.95	0.99	4.5%
PCB-117 234'56'-PeCB	29.78	3.04E+08	0.62 Y	1.04	1.06	2.2%
PCB-116/85 23456-/22'344'-Pe	29.86	5.85E+08	0.63 Y	0.97	1.02	5.0%
PCB-110 233'4'6'-PeCB	29.99	3.09E+08	0.63 Y	1.02	1.08	5.5%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:14

Lab ID: CS4_120725_PCB_XB
 Acquired: 26-JUL-2012 06:32
 Datafile: 120725X19

ICAL: MM7_PCB_07132012_25JUL12

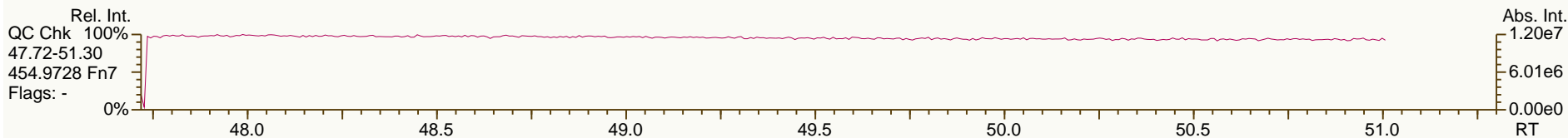
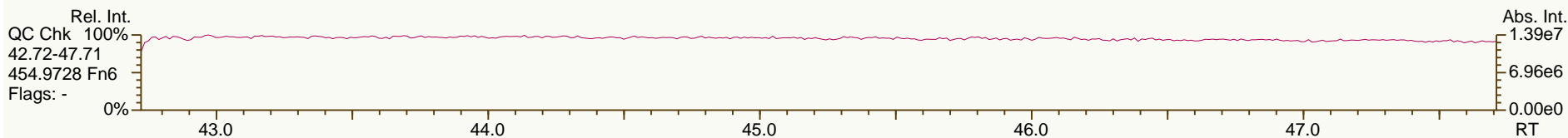
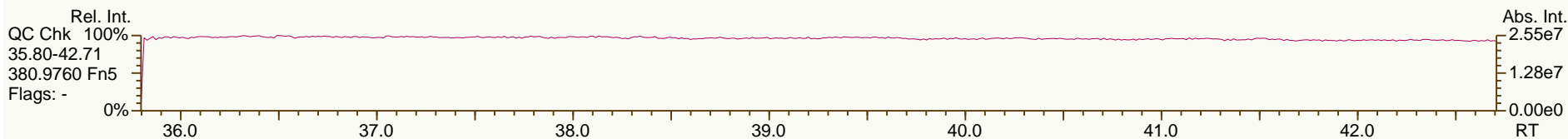
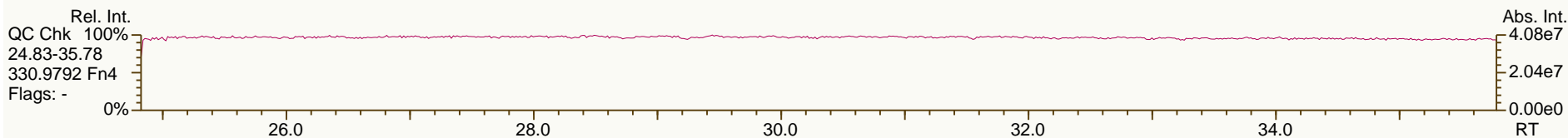
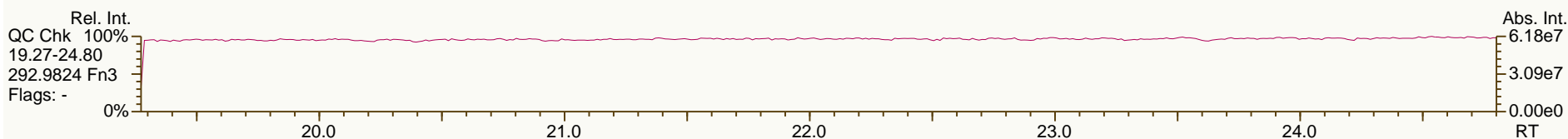
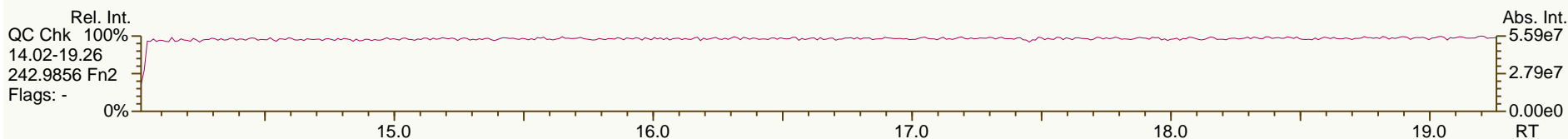
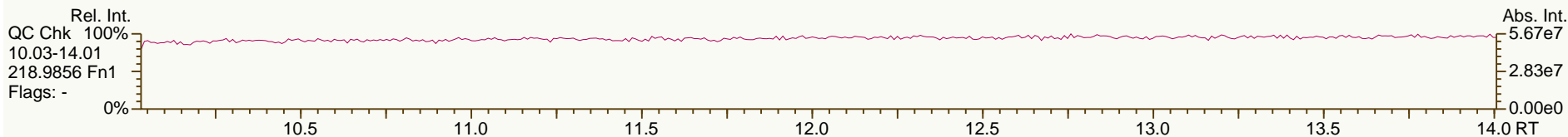
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.07	3.35E+08	0.63 Y	1.16	1.17	1.0%
PCB-82 22'33'4-PeCB	30.25	2.08E+08	0.63 Y	0.69	0.73	5.1%
PCB-111 233'55'-PeCB	30.60	3.45E+08	0.63 Y	1.15	1.21	4.4%
PCB-120 23'455'-PeCB	30.99	3.48E+08	0.63 Y	1.16	1.21	4.6%
PCB-107/124 233'4'5'-/2'3455'	31.93	6.43E+08	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	3.41E+08	0.63 Y	1.14	1.19	4.3%
PCB-106 233'45-PeCB	32.34	3.24E+08	0.63 Y	1.07	1.13	5.7%
PCB-122 2'33'45-PeCB	32.79	3.03E+08	0.63 Y	1.00	1.04	3.9%
PCB-127 33'455'-PeCB	34.74	3.33E+08	0.63 Y	1.10	1.17	6.4%
PCB-155 22'44'66'-HxCB	28.16	3.26E+08	1.27 Y	1.09	1.15	5.6%
PCB-152 22'3566'-HxCB	28.30	3.05E+08	1.26 Y	1.01	1.08	6.5%
PCB-150 22'34'66'-HxCB	28.45	3.08E+08	1.27 Y	1.00	1.09	8.2%
PCB-136 22'33'66'-HxCB	28.73	2.87E+08	1.26 Y	0.95	1.01	6.3%
PCB-145 22'3466'HxCB	29.00	2.91E+08	1.25 Y	0.96	1.03	6.7%
PCB-148 22'34'56'-HxCB	30.28	2.27E+08	1.27 Y	0.97	1.05	8.2%
PCB-151/135 22'355'6-/22'33'	30.79	4.40E+08	1.26 Y	0.96	1.02	5.6%
PCB-154 22'44'5'6-HxCB	31.00	2.51E+08	1.25 Y	1.09	1.16	6.5%
PCB-144 22'345'6-HxCB	31.25	2.25E+08	1.26 Y	0.98	1.04	6.0%
PCB-147/149 22'34'56-/22'34'	31.55	4.53E+08	1.26 Y	0.99	1.05	6.4%
PCB-134 22'33'56-HxCB	31.71	1.85E+08	1.26 Y	0.80	0.86	7.0%
PCB-143 22'3456'-HxCB	31.79	2.15E+08	1.27 Y	0.95	1.00	4.4%
PCB-139/140 22'344'6-/22'344'	32.06	4.63E+08	1.26 Y	1.00	1.07	7.2%
PCB-131 22'33'46-HxCB	32.22	1.99E+08	1.26 Y	0.85	0.92	8.5%
PCB-142 22'3456-HxCB	32.36	2.02E+08	1.27 Y	0.87	0.93	7.0%
PCB-132 22'33'46'-HxCB	32.59	2.05E+08	1.26 Y	0.89	0.95	6.8%
PCB-133 22'33'55'-HxCB	33.03	2.13E+08	1.27 Y	0.91	0.99	8.0%
PCB-165 233'55'6-HxCB	33.37	2.61E+08	1.25 Y	1.13	1.21	6.6%
PCB-146 22'34'55'-HxCB	33.57	2.29E+08	1.26 Y	1.01	1.06	5.1%
PCB-161 233'45'6-HxCB	33.69	2.92E+08	1.27 Y	1.25	1.35	7.8%
PCB-153/168 22'44'55'-/23'44'	34.12	5.61E+08	1.27 Y	1.22	1.30	6.5%
PCB-141 22'3455'-HxCB	34.25	2.12E+08	1.27 Y	0.93	0.98	5.7%
PCB-130 22'33'45'-HxCB	34.59	1.93E+08	1.26 Y	0.85	0.89	5.6%
PCB-137 22'344'5-HxCB	34.78	2.23E+08	1.25 Y	1.04	1.03	-1.2%
PCB-164 233'4'5'6-HxCB	34.86	2.99E+08	1.27 Y	1.22	1.38	13.2%
PCB-163/138/129 233'4'56-/22'	35.15	7.12E+08	1.26 Y	1.02	1.10	7.3%
PCB-160 233'456-HxCB	35.28	2.72E+08	1.27 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.46	3.05E+08	1.26 Y	1.34	1.41	5.5%
PCB-128/166 22'33'44'-/2344'5	36.18	5.38E+08	1.25 Y	0.90	0.94	4.8%
PCB-159 233'455'-HxCB	37.02	3.22E+08	1.25 Y	1.06	1.13	5.9%
PCB-162 233'4'55'-HxCB	37.25	3.25E+08	1.25 Y	1.08	1.14	5.7%
PCB-188 22'34'566'-HpCB	32.97	2.48E+08	1.05 Y	1.03	1.10	6.3%
PCB-179 22'33'566'-HpCB	33.23	2.29E+08	1.06 Y	0.97	1.02	5.0%
PCB-184 22'344'66'-HpCB	33.70	2.25E+08	1.05 Y	0.93	1.00	7.0%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:14		
Lab ID:	CS4_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 06:32						
Datafile:	120725X19						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	33.98	2.48E+08	1.05 Y	1.05	1.10	5.1%	
PCB-186 22'34566'-HpCB	34.36	2.33E+08	1.05 Y	0.98	1.03	5.4%	
PCB-178 22'33'55'6'-HpCB	35.51	1.74E+08	1.06 Y	0.74	0.77	4.8%	
PCB-175 22'33'45'6'-HpCB	36.05	2.17E+08	1.06 Y	1.01	1.08	6.8%	
PCB-187 22'34'55'6'-HpCB	36.28	2.28E+08	1.05 Y	1.06	1.13	6.4%	
PCB-182 22'344'56'-HpCB	36.45	2.33E+08	1.05 Y	1.11	1.15	3.9%	
PCB-183 22'344'5'6'-HpCB	36.80	2.54E+08	1.05 Y	1.13	1.26	11.0%	
PCB-185 22'3455'6'-HpCB	36.87	2.08E+08	1.06 Y	1.02	1.03	1.3%	
PCB-174 22'33'456'-HpCB	36.98	1.93E+08	1.06 Y	0.93	0.96	3.3%	
PCB-177 22'33'4'56'-HpCB	37.35	1.93E+08	1.05 Y	0.91	0.96	5.8%	
PCB-181 22'344'56'-HpCB	37.69	2.24E+08	1.05 Y	1.06	1.11	4.4%	
PCB-171/173 22'33'44'6'-/22'3	37.86	3.92E+08	1.05 Y	0.93	0.97	4.8%	
PCB-172 22'33'455'-HpCB	39.23	2.02E+08	1.05 Y	0.95	1.00	4.8%	
PCB-192 233'455'6'-HpCB	39.48	2.62E+08	1.05 Y	1.24	1.30	4.8%	
PCB-180/193 22'344'55'-/233'	39.75	4.93E+08	1.06 Y	1.16	1.22	5.5%	
PCB-191 233'44'5'6'-HpCB	40.07	2.73E+08	1.05 Y	1.30	1.36	4.1%	
PCB-170 22'33'44'5'-HpCB	40.82	1.97E+08	1.05 Y	1.07	1.13	5.3%	
PCB-190 233'44'56'-HpCB	41.27	2.68E+08	1.05 Y	1.45	1.54	6.1%	
PCB-202 22'33'55'66'-OcCB	37.46	2.09E+08	0.90 Y	0.91	0.96	4.8%	
PCB-201 22'33'45'66'-OcCB	38.23	2.34E+08	0.90 Y	1.02	1.07	5.1%	
PCB-204 22'344'566'-OcCB	38.81	2.20E+08	0.91 Y	0.98	1.01	3.5%	
PCB-197 22'33'44'66'-OcCB	38.99	2.43E+08	0.89 Y	1.06	1.12	4.9%	
PCB-200 22'33'4566'-OcCB	39.07	2.20E+08	0.90 Y	0.96	1.01	5.2%	
PCB-198/199 22'33'455'6'-/22'	41.40	3.30E+08	0.90 Y	0.72	0.76	5.6%	
PCB-196 22'33'44'56'-OcCB	41.97	1.71E+08	0.90 Y	0.73	0.79	7.5%	
PCB-203 22'344'55'6'-OcCB	42.14	1.78E+08	0.91 Y	0.76	0.82	6.7%	
PCB-195 22'33'44'56'-OcCB	43.24	1.78E+08	0.89 Y	0.80	0.85	6.2%	
PCB-194 22'33'44'55'-OcCB	45.19	1.91E+08	0.90 Y	0.87	0.91	4.1%	
PCB-205 233'44'55'6'-OcCB	45.58	2.39E+08	0.90 Y	1.09	1.14	4.7%	
PCB-208 22'33'455'66'-NoCB	43.04	2.24E+08	0.78 Y	1.02	1.08	6.2%	
PCB-207 22'33'44'566'-NoCB	43.82	2.33E+08	0.78 Y	1.06	1.12	6.3%	
PCB-206 22'33'44'55'6'-NoCB	47.04	1.58E+08	0.78 Y	0.98	1.04	6.1%	

AP Lab ID: CS4_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

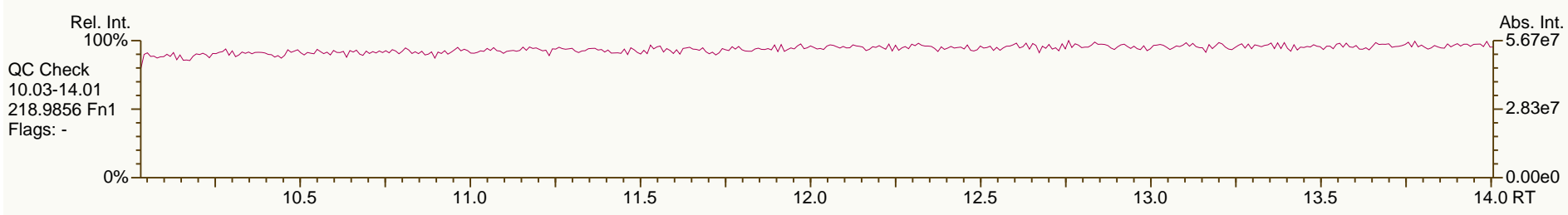
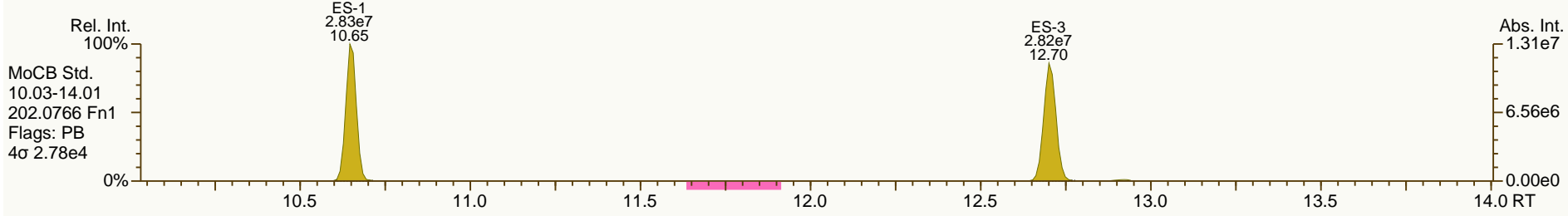
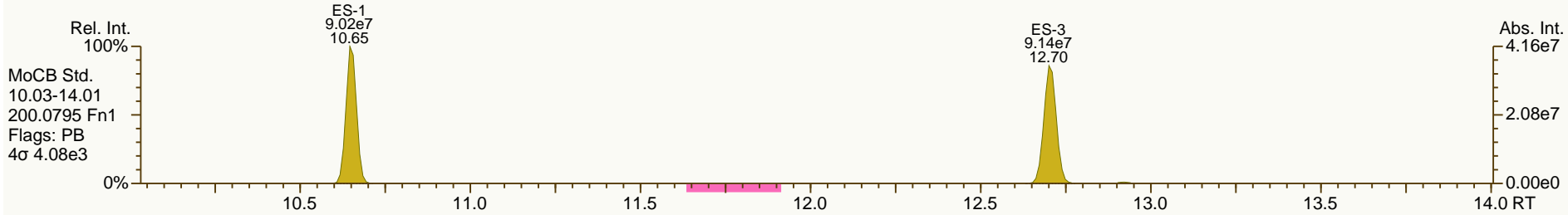
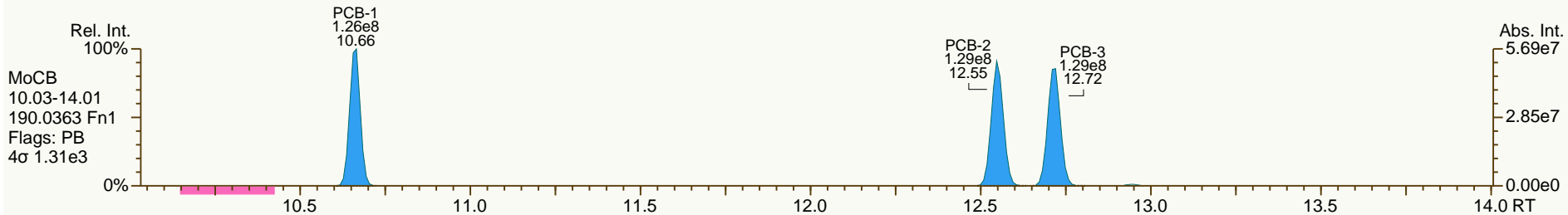
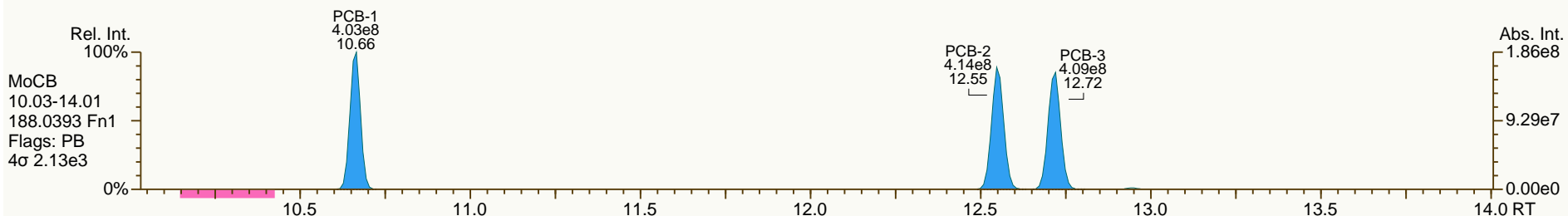
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AP Lab ID: CS4_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

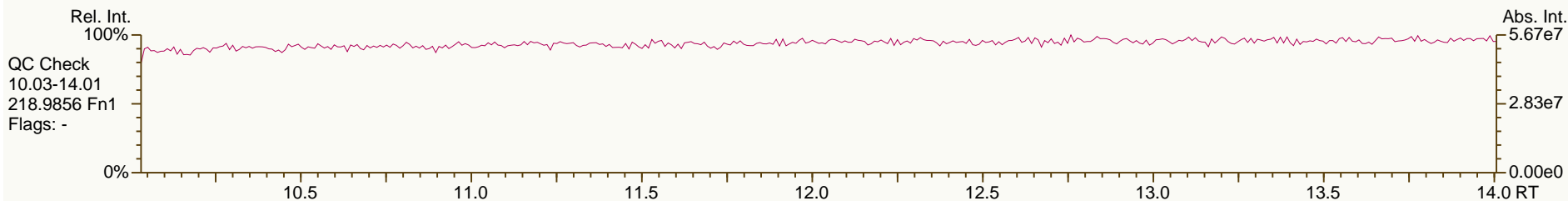
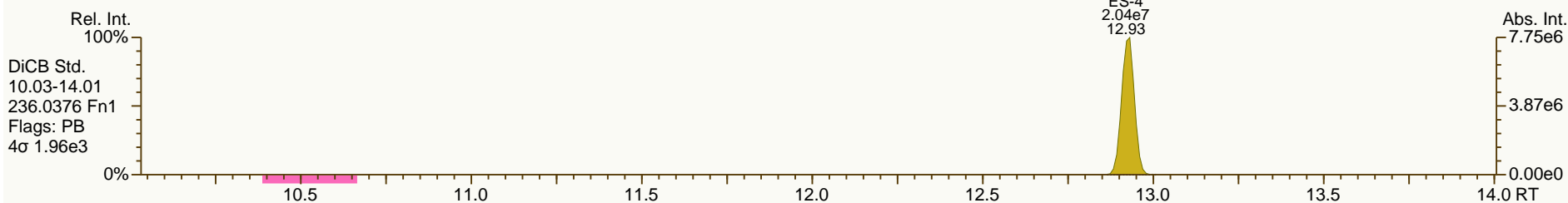
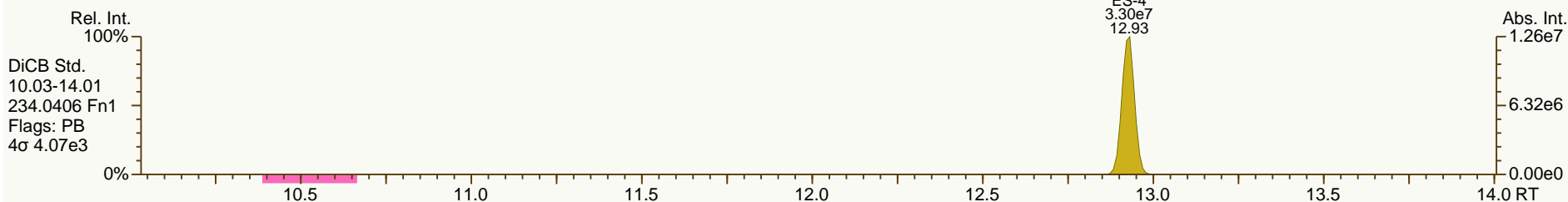
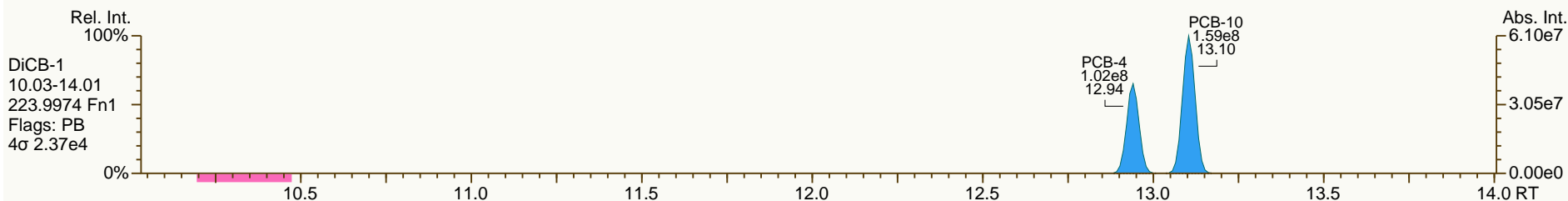
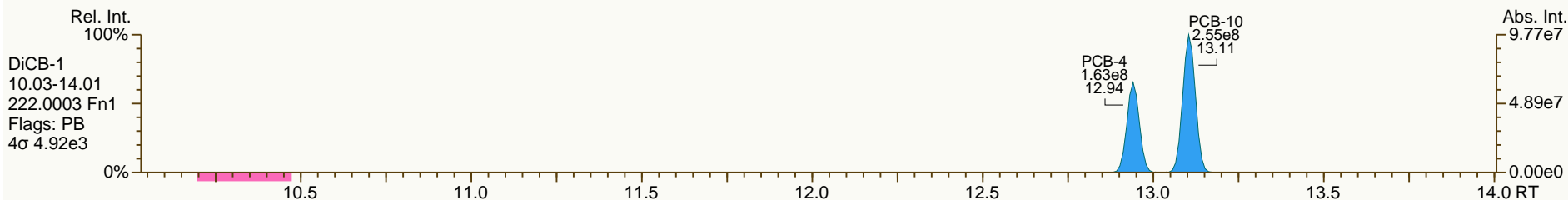
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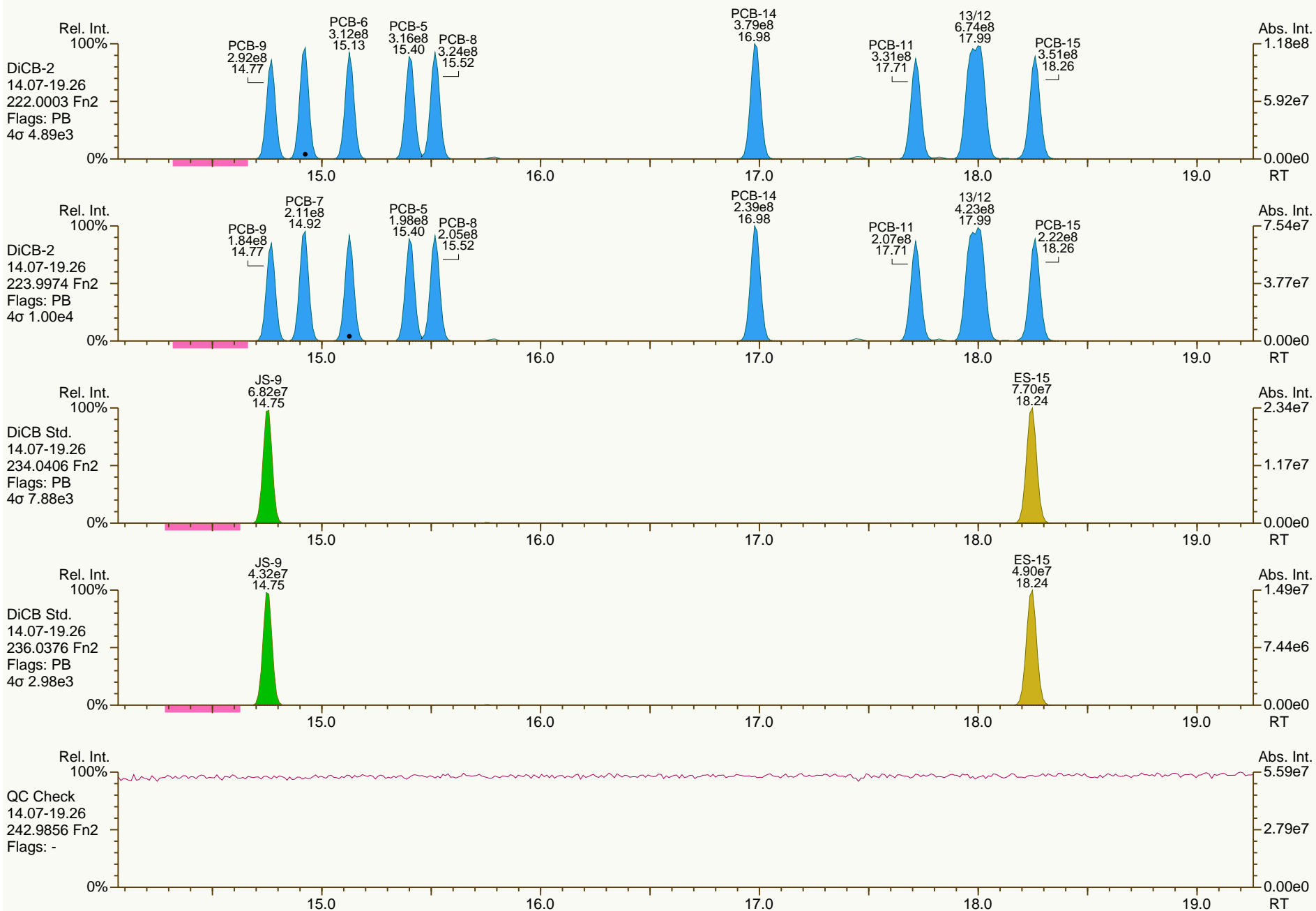
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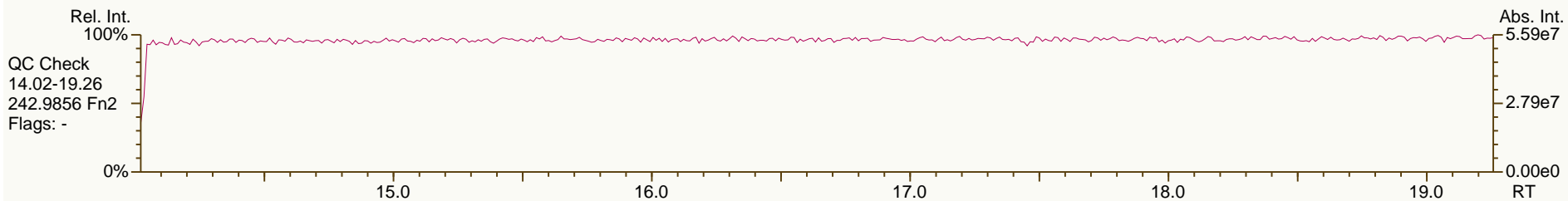
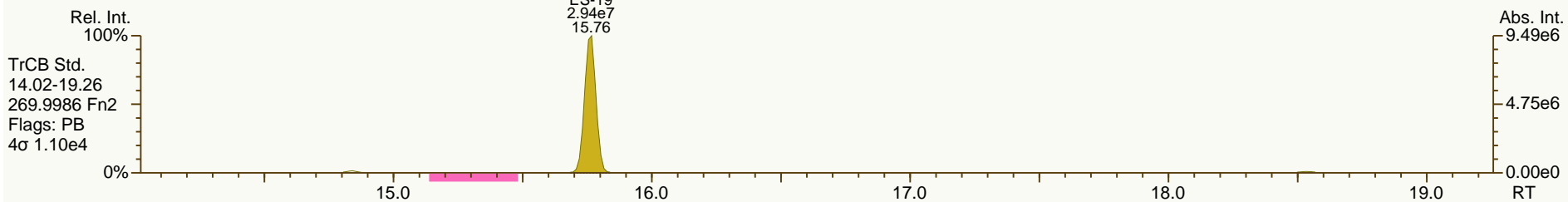
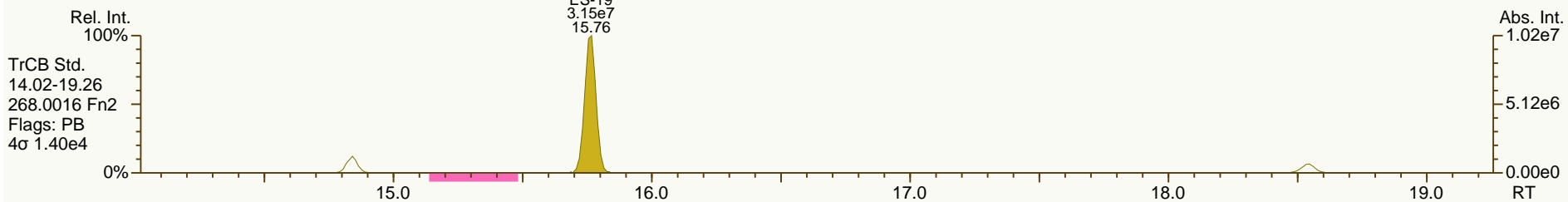
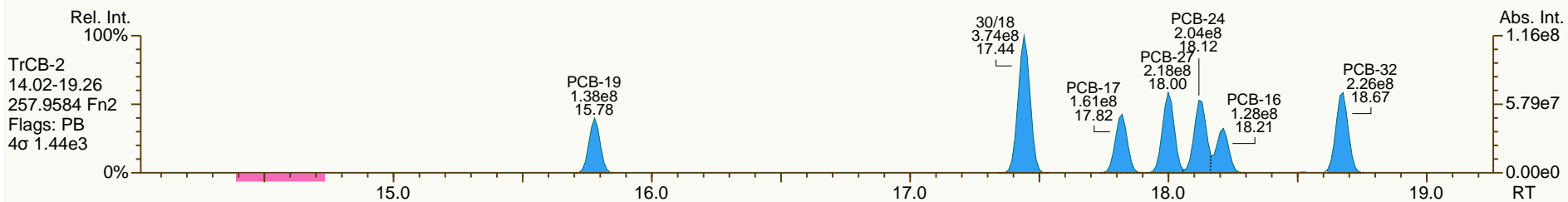
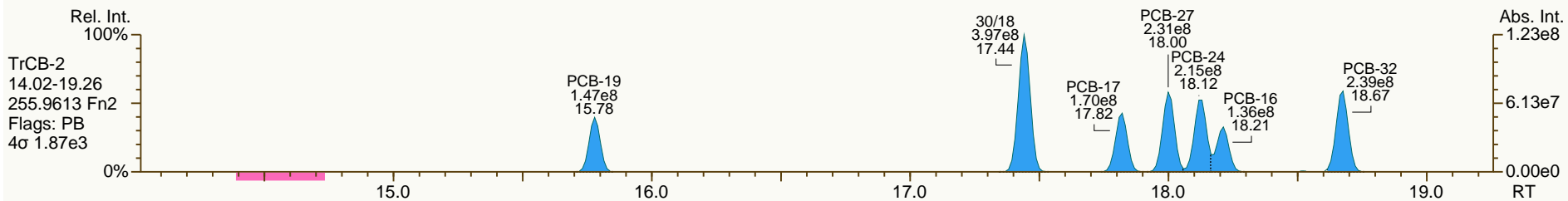
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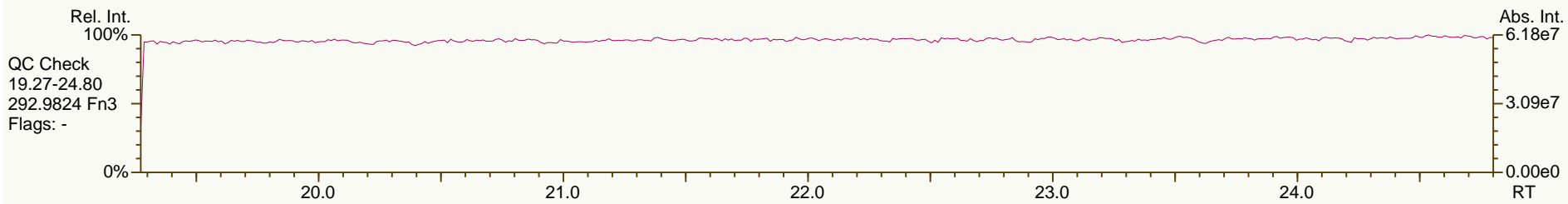
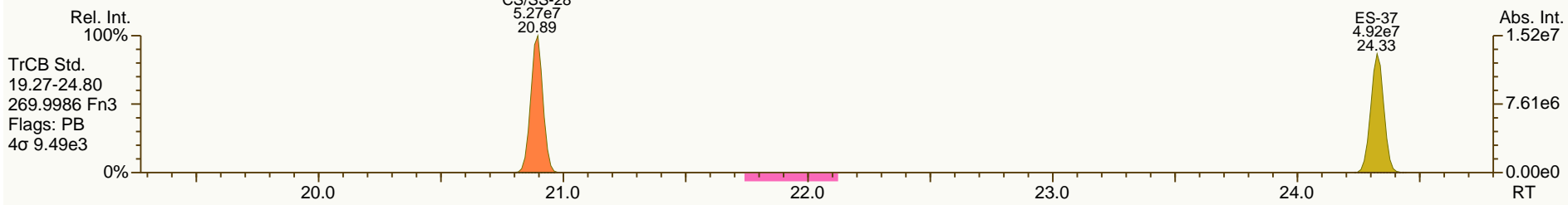
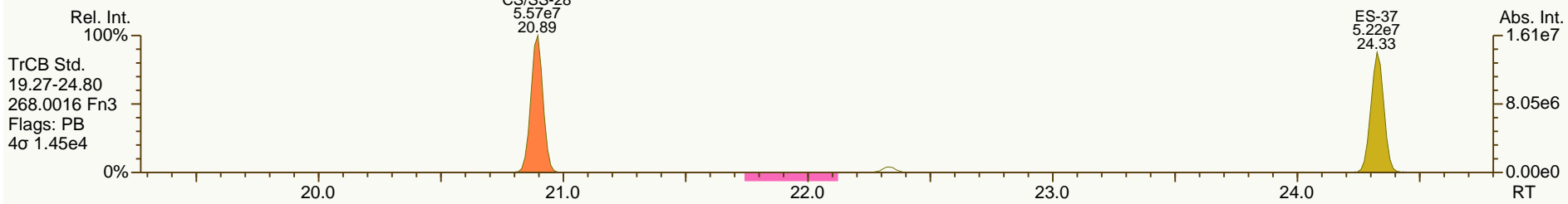
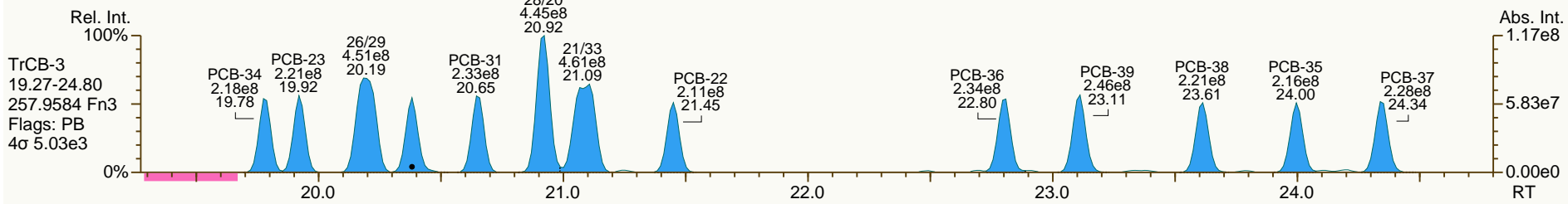
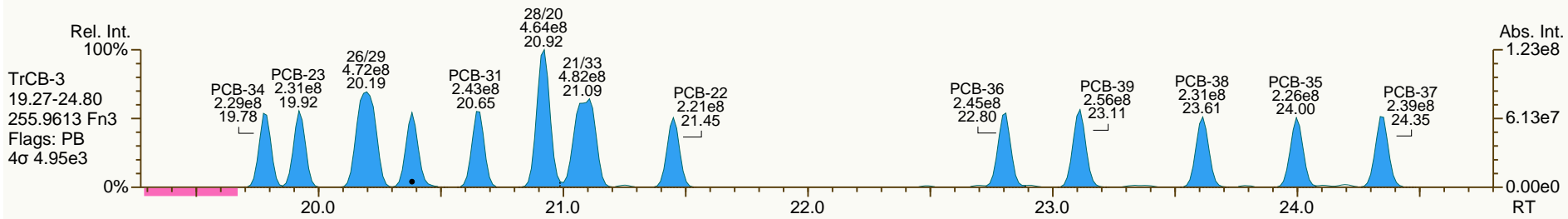
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Sample ID: SIL 12-65-2
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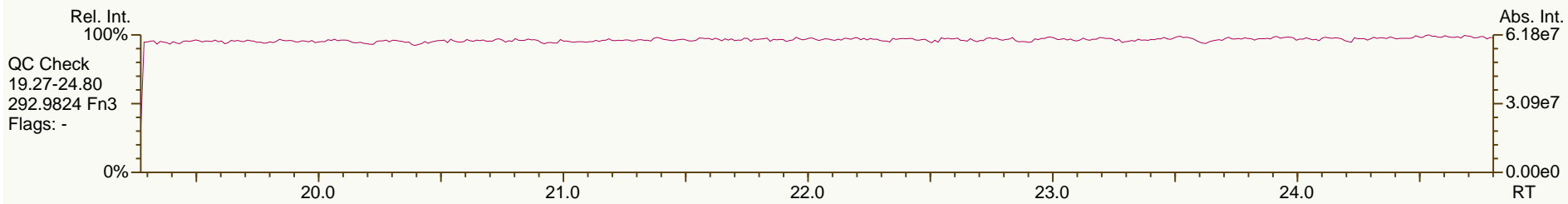
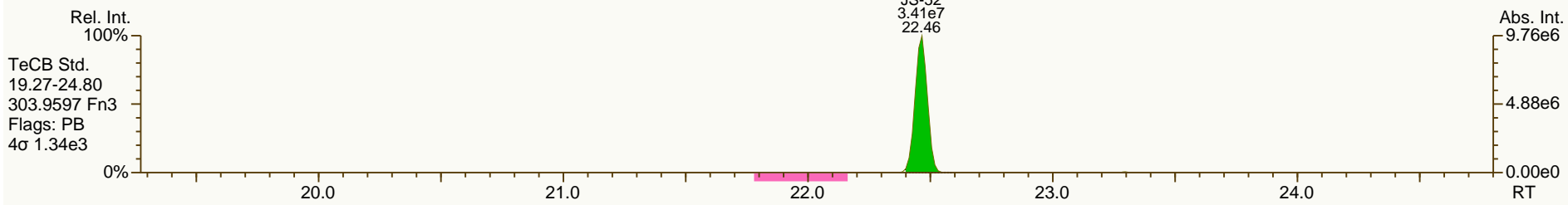
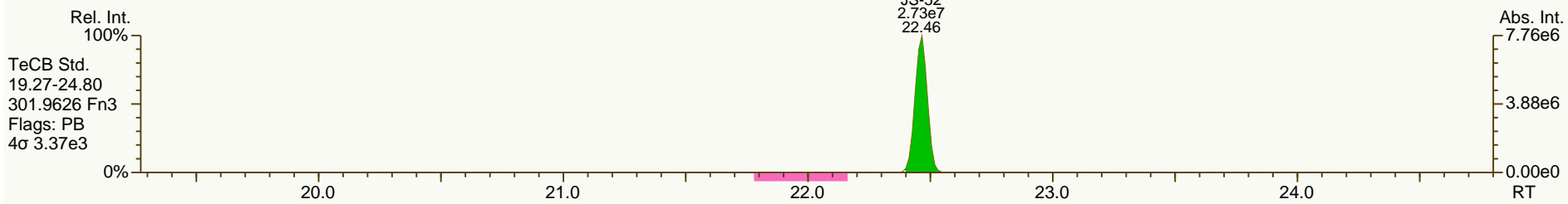
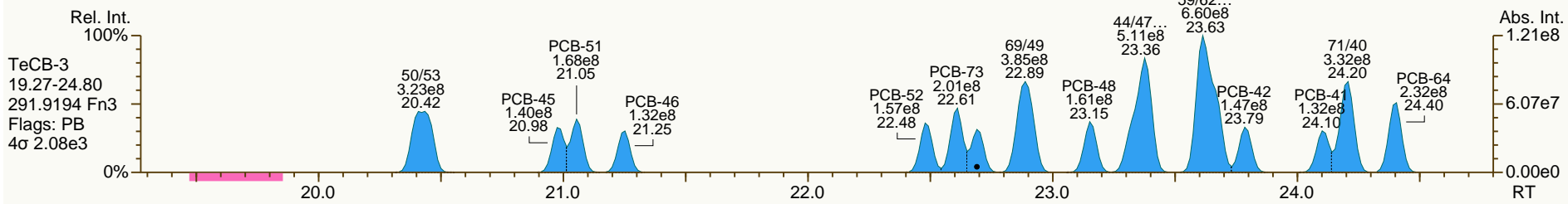
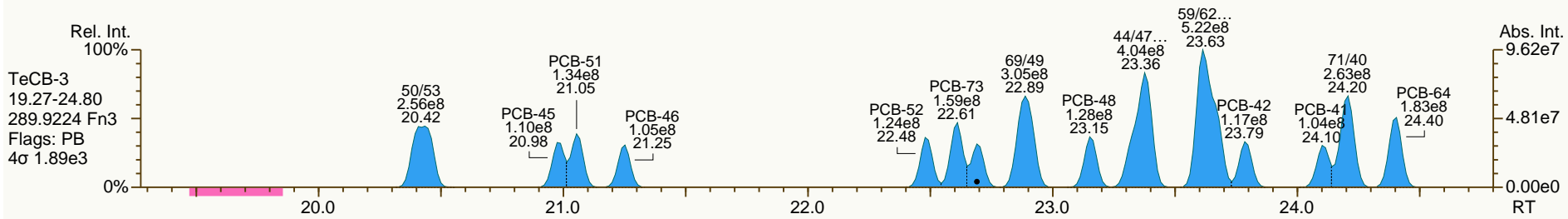
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AP Lab ID: CS4_120725_PCB_XB
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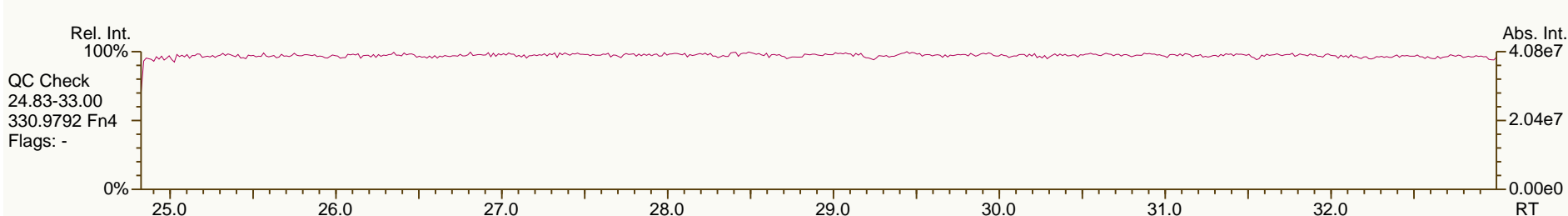
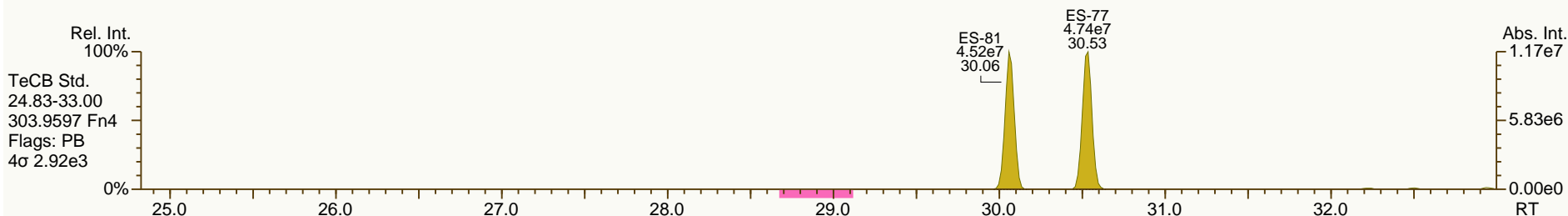
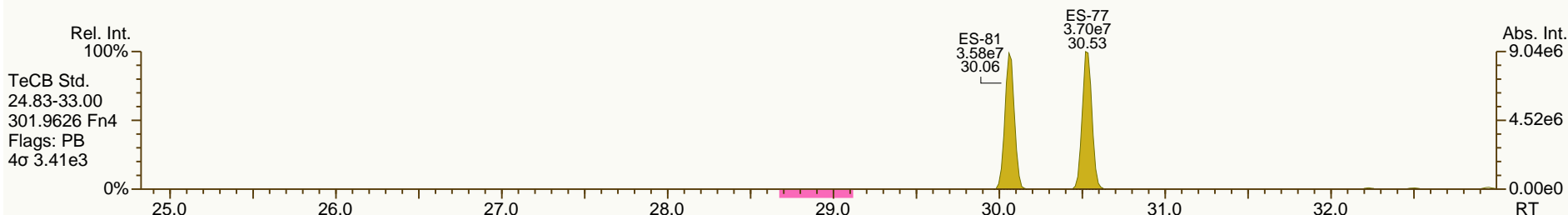
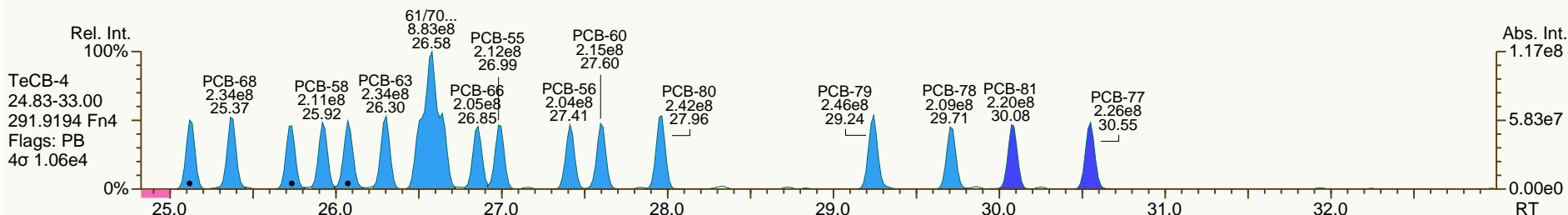
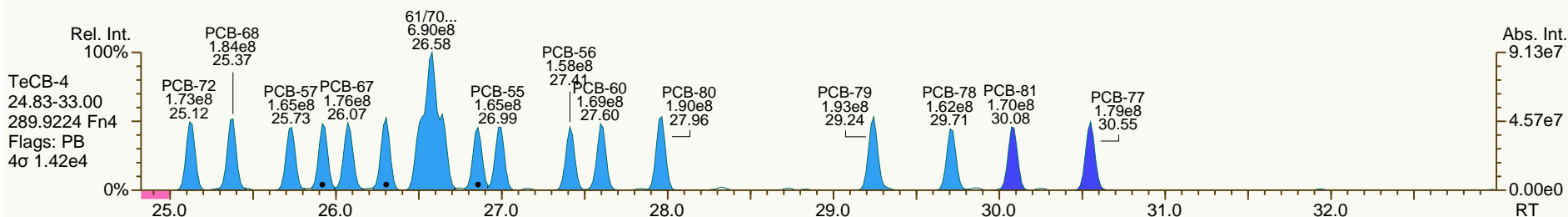
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AP Lab ID: CS4_120725_PCB_XB
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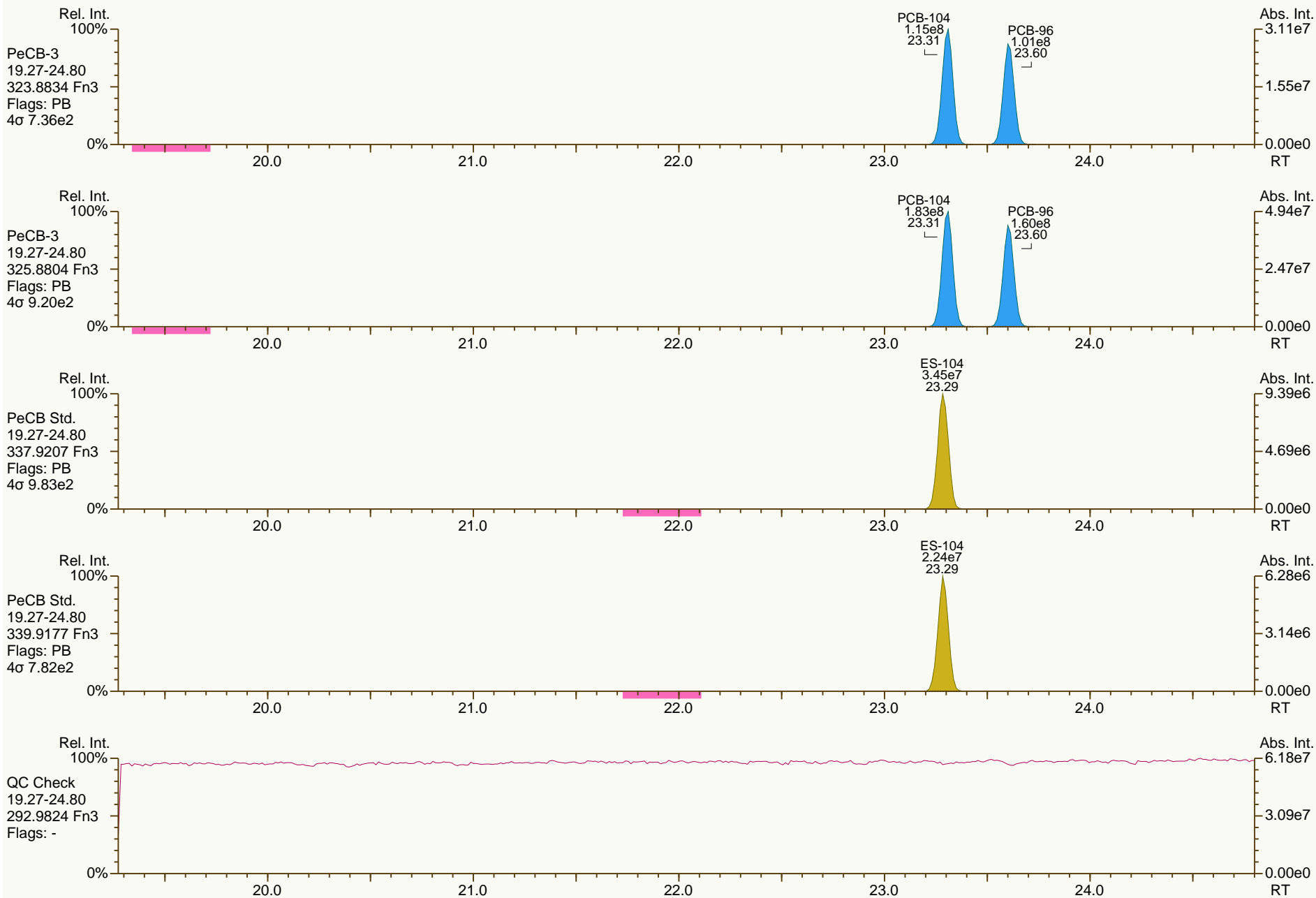
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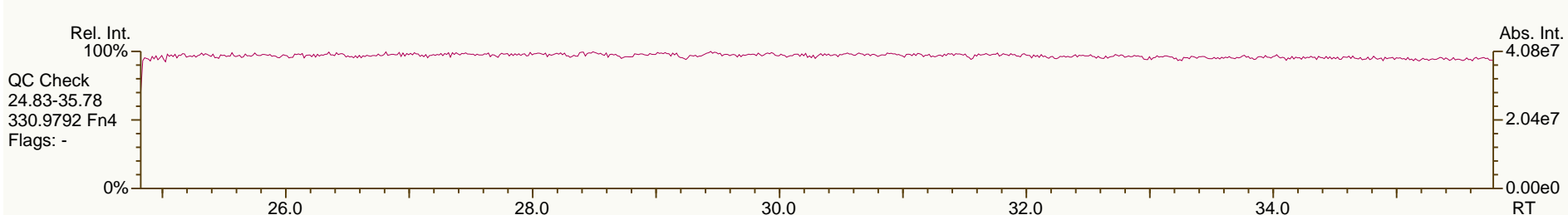
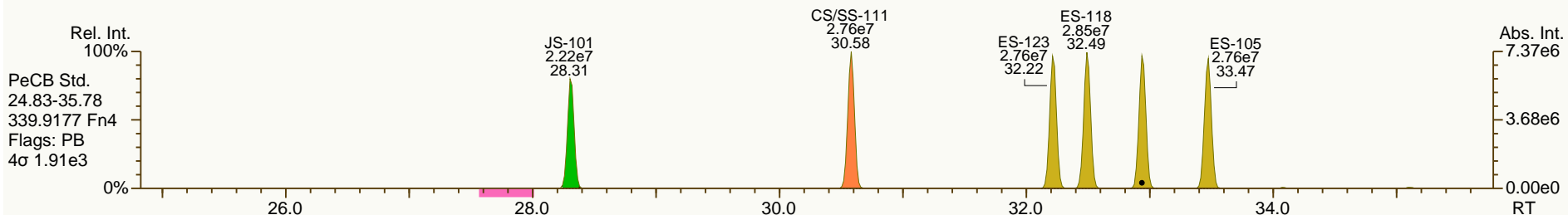
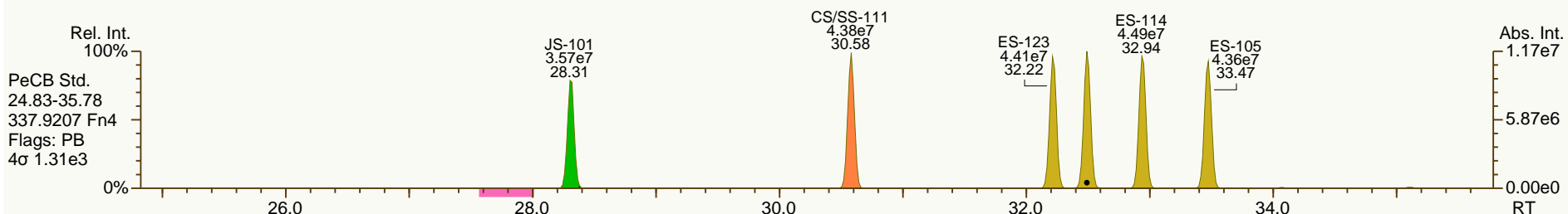
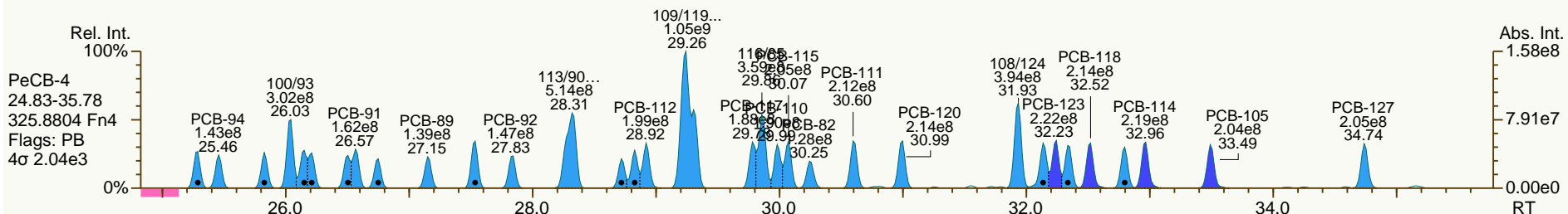
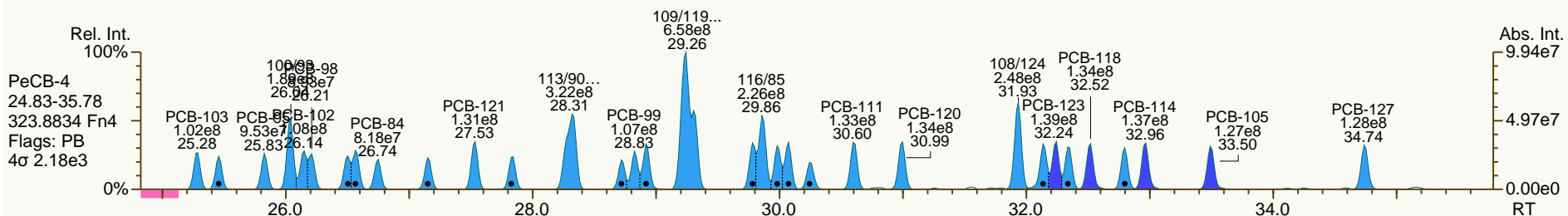
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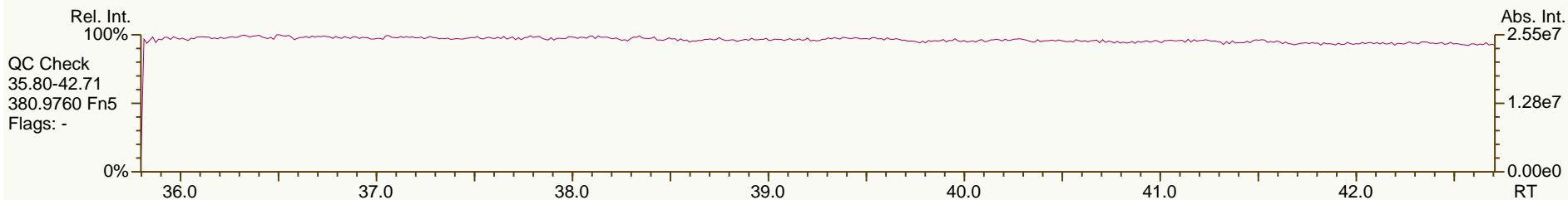
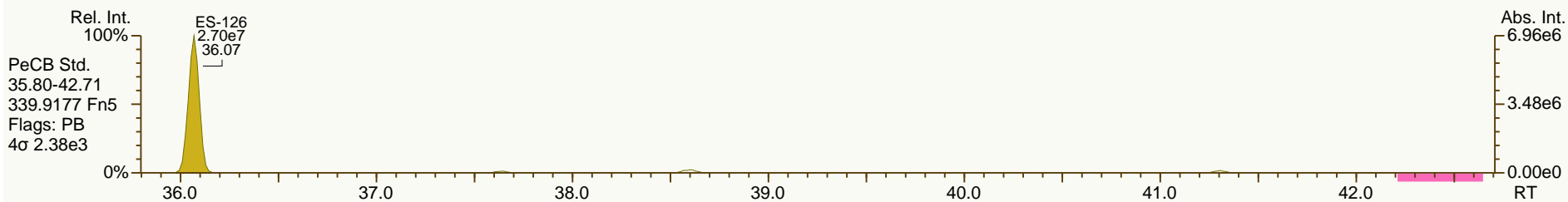
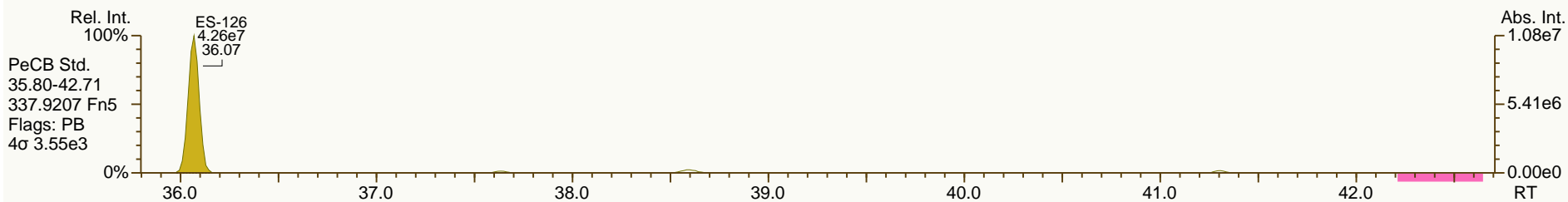
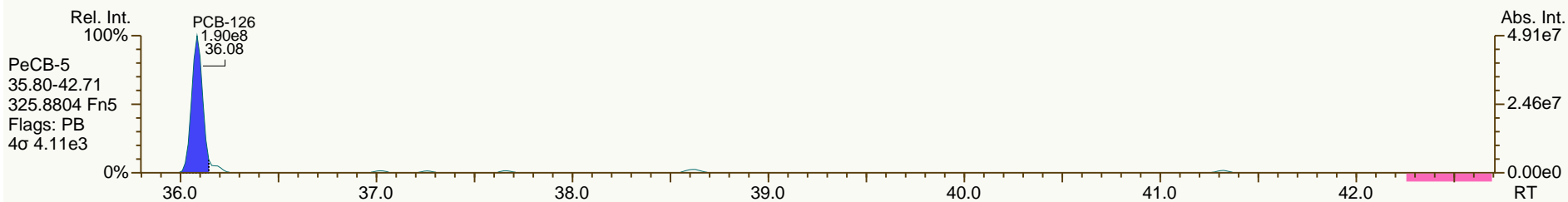
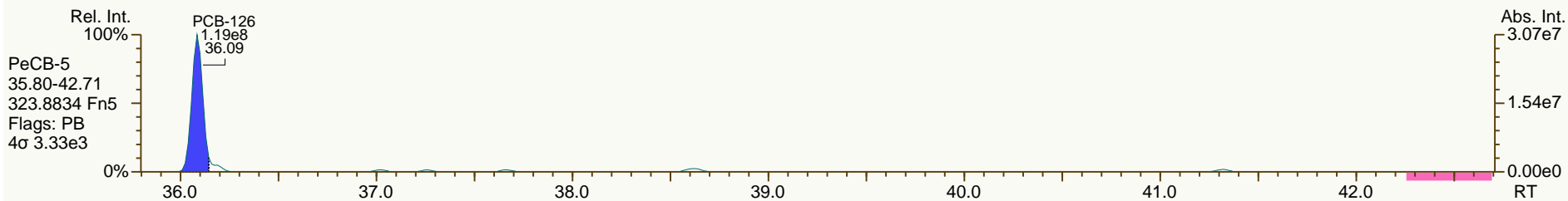
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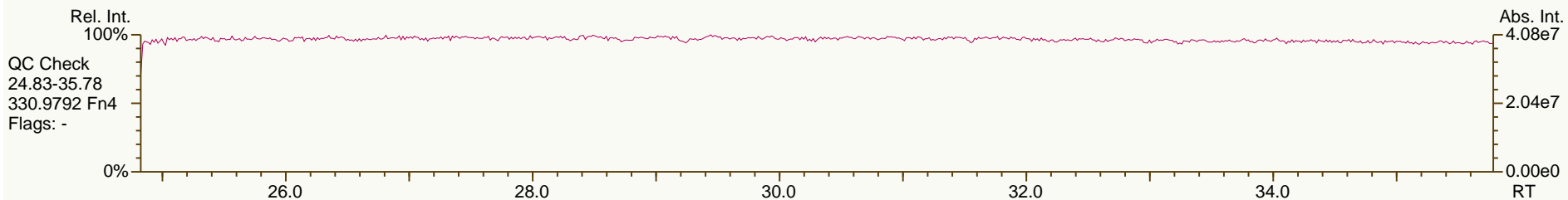
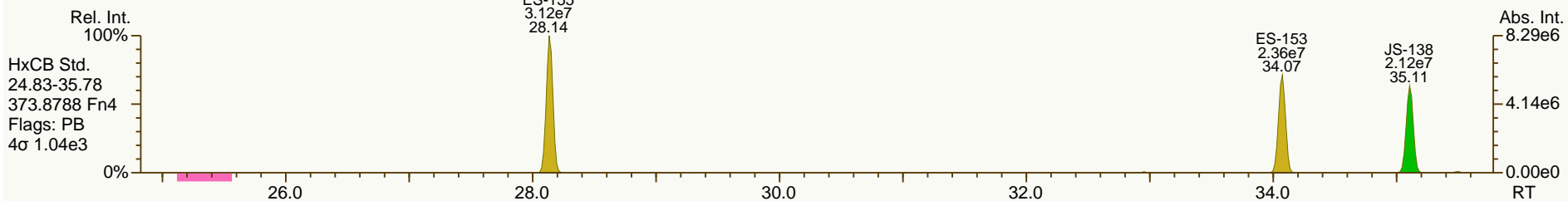
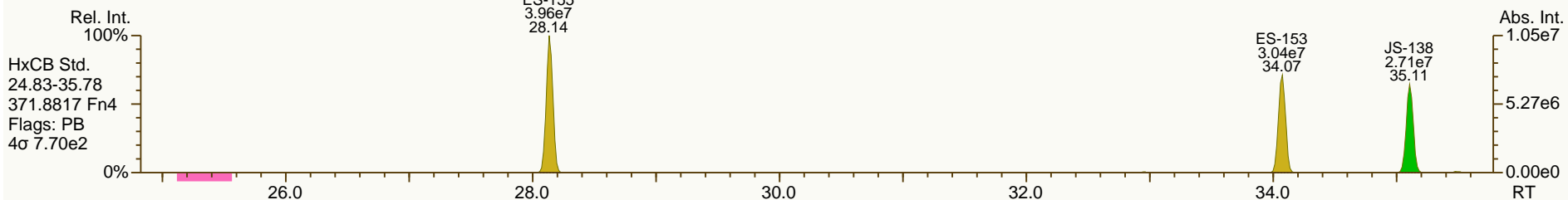
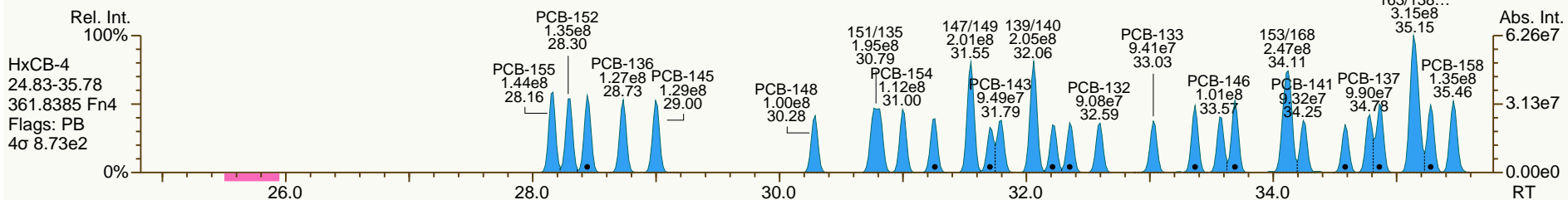
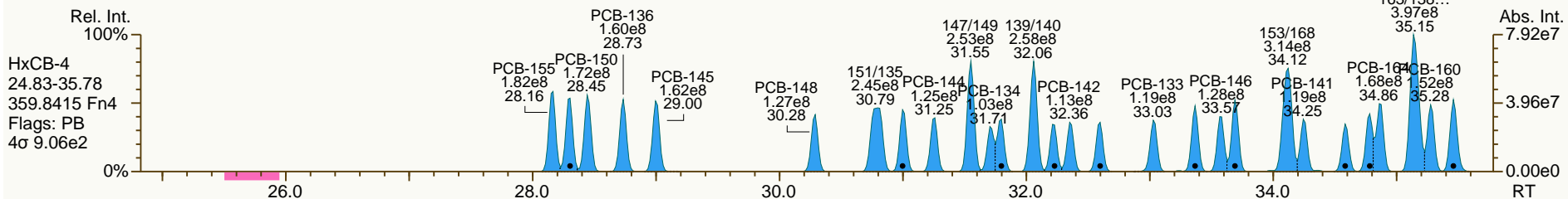
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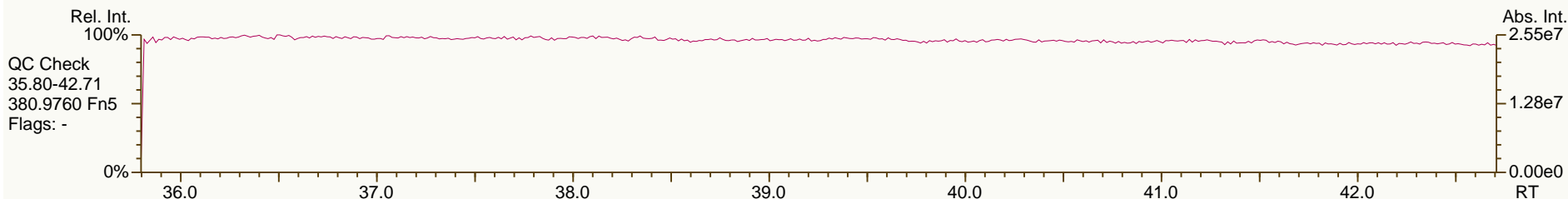
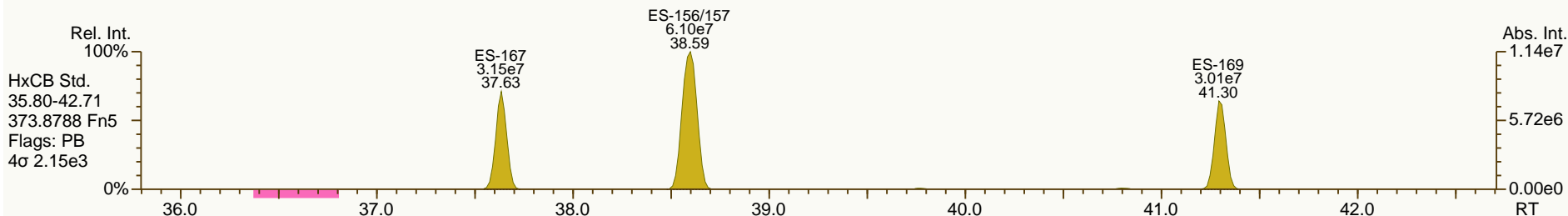
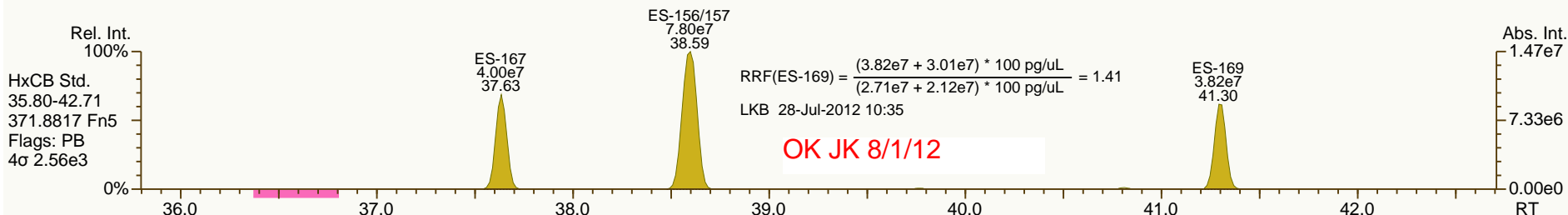
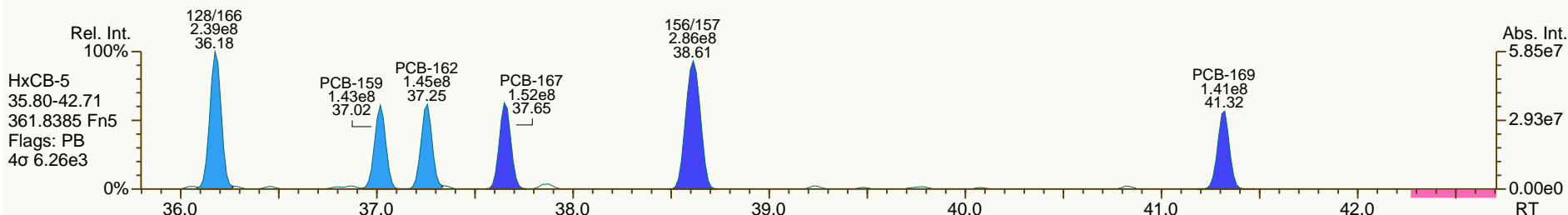
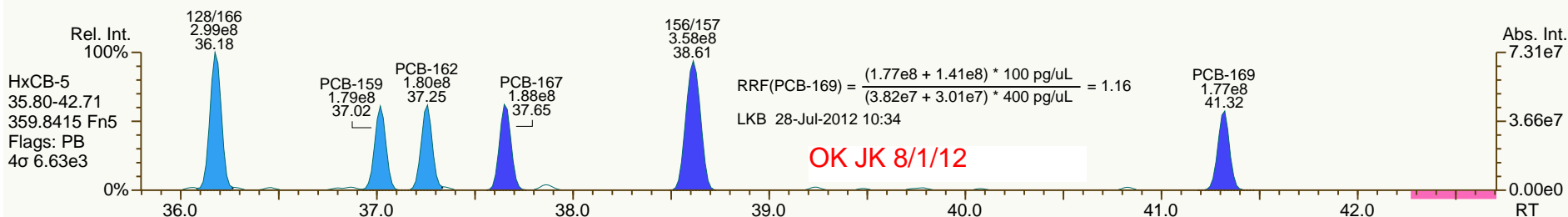
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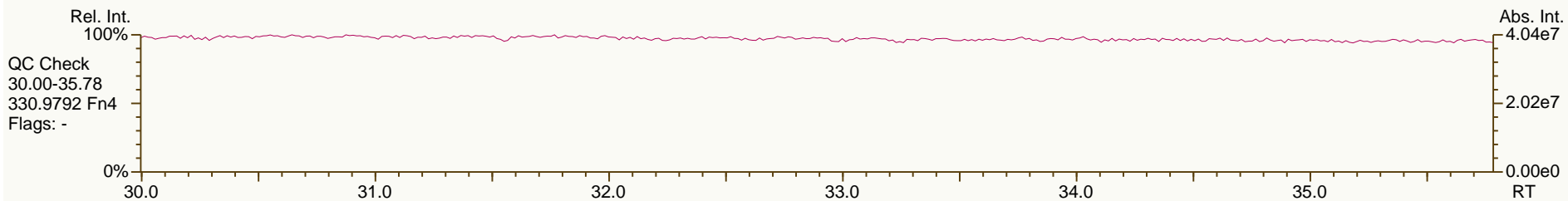
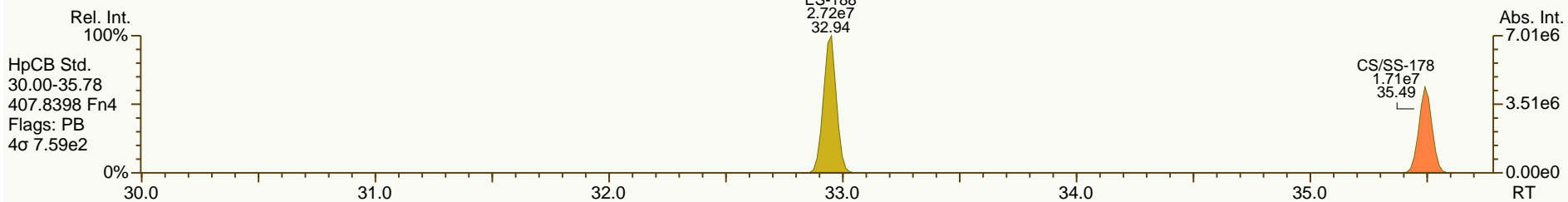
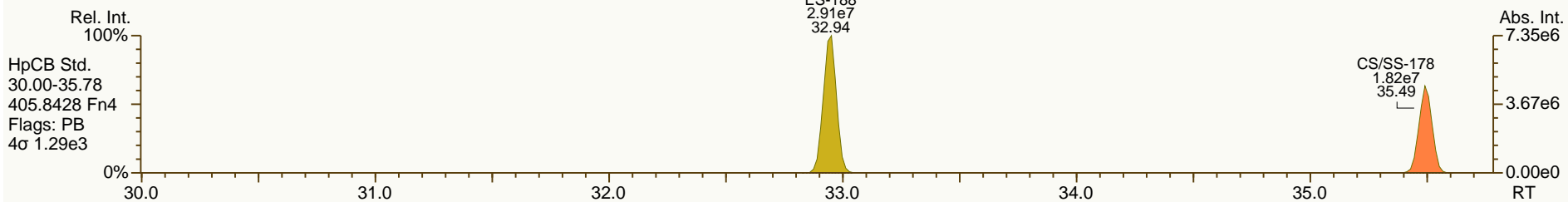
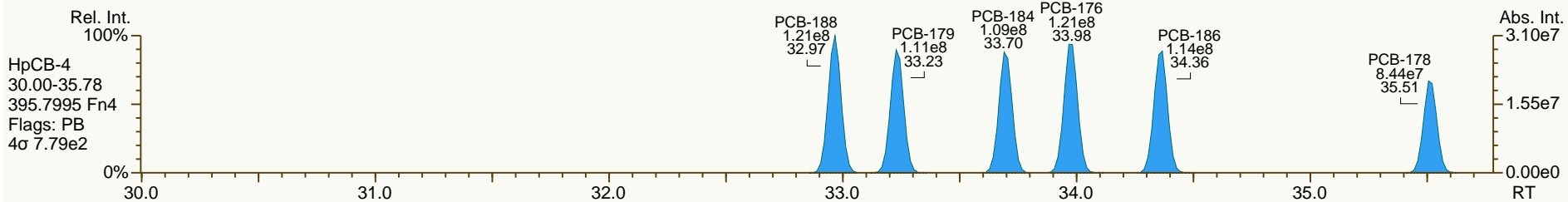
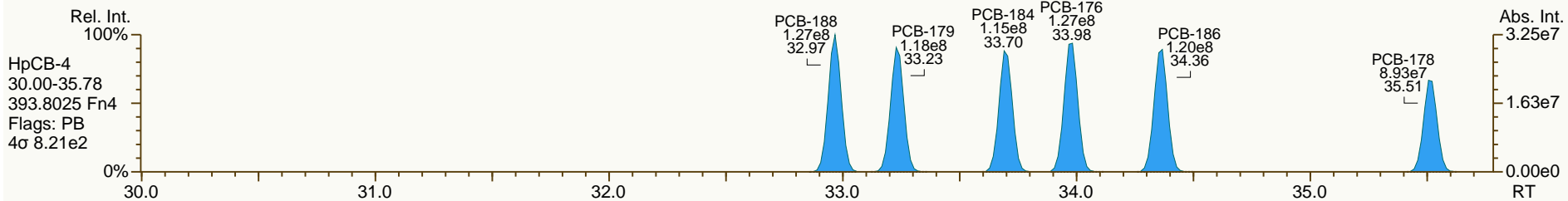
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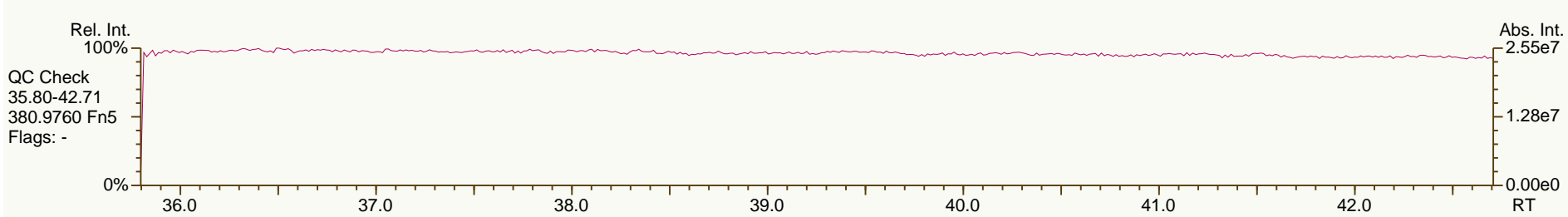
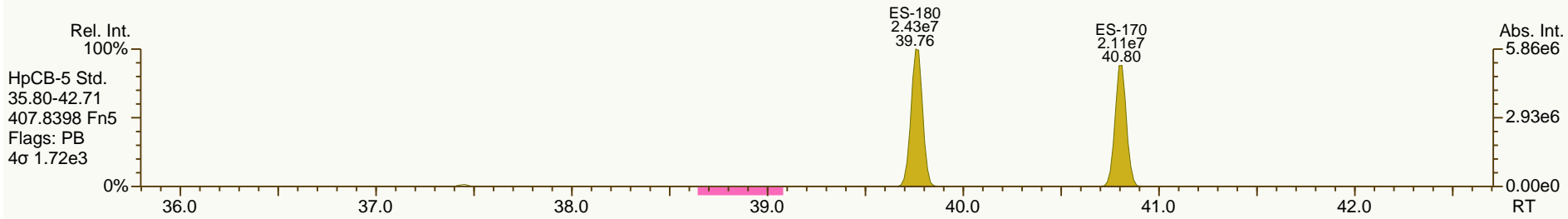
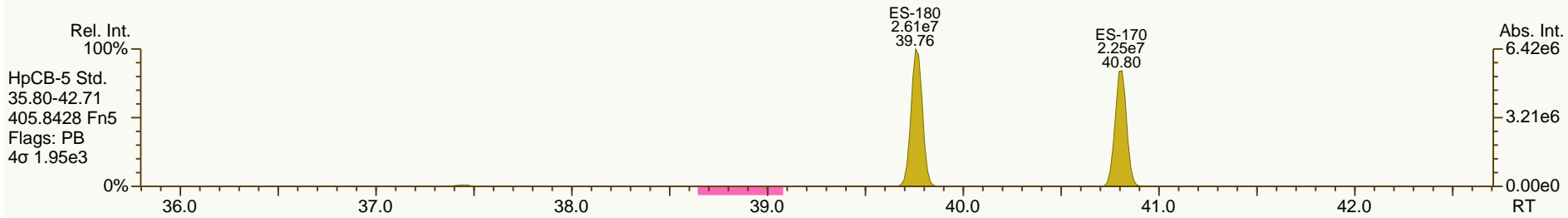
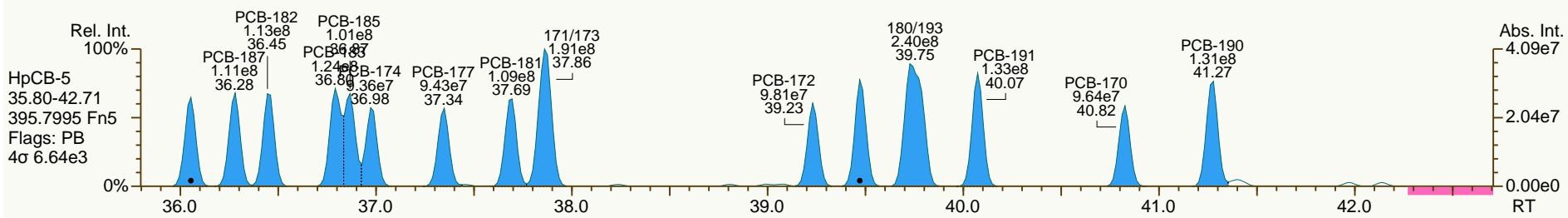
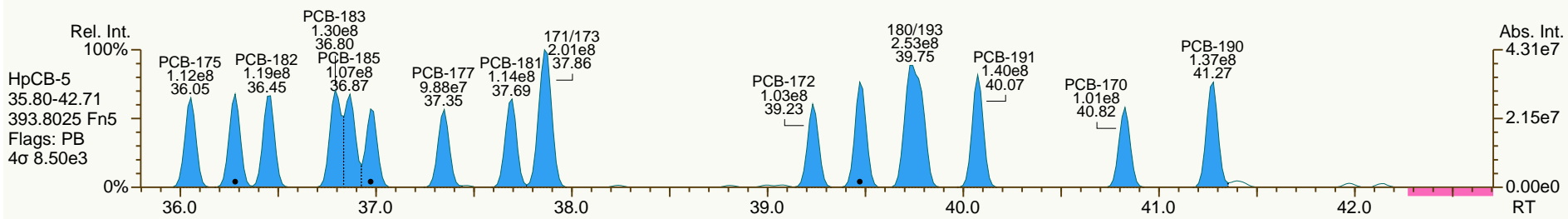
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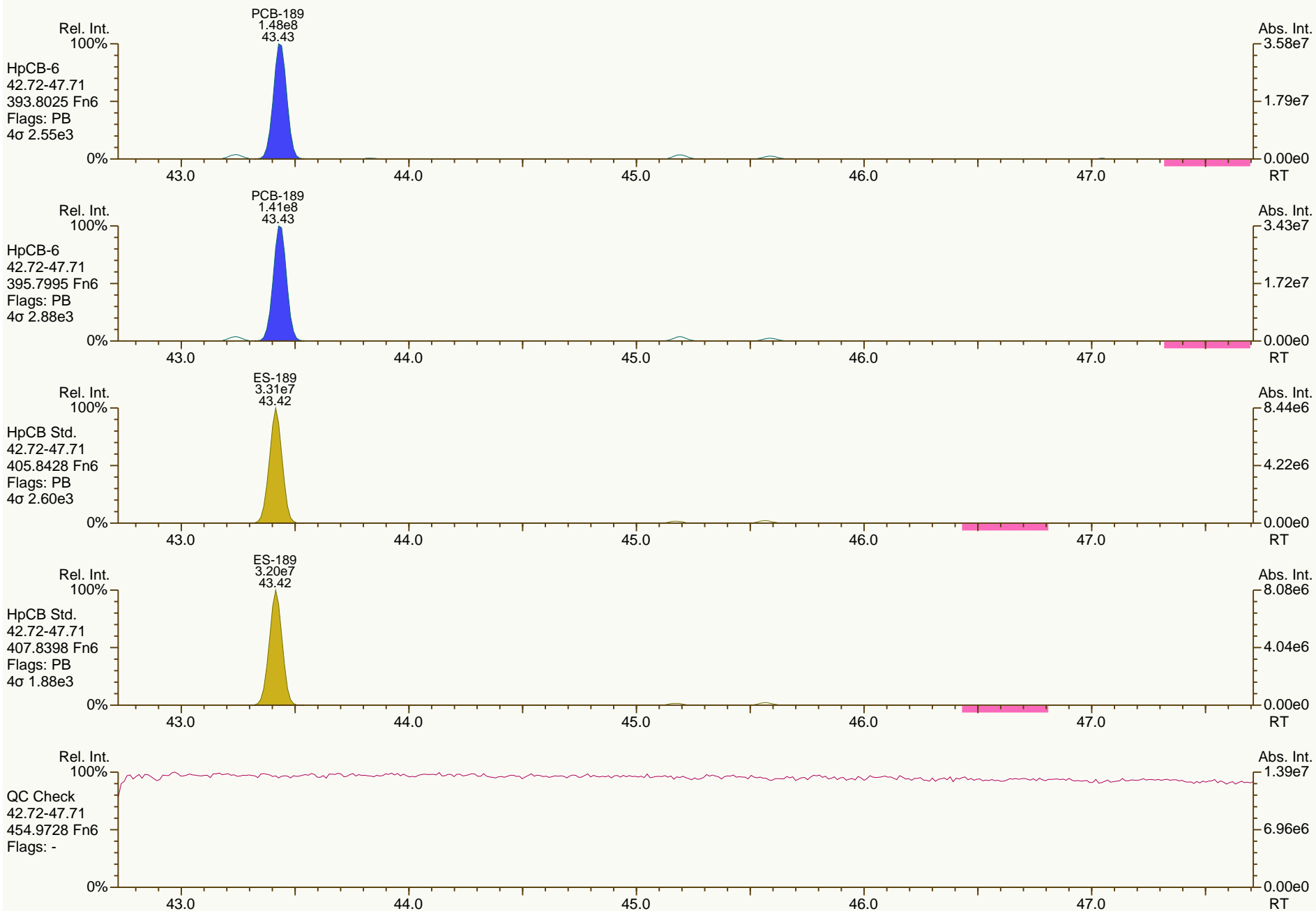
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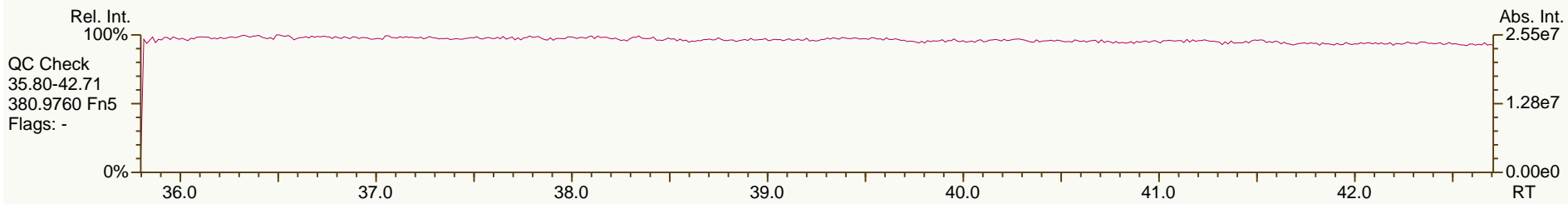
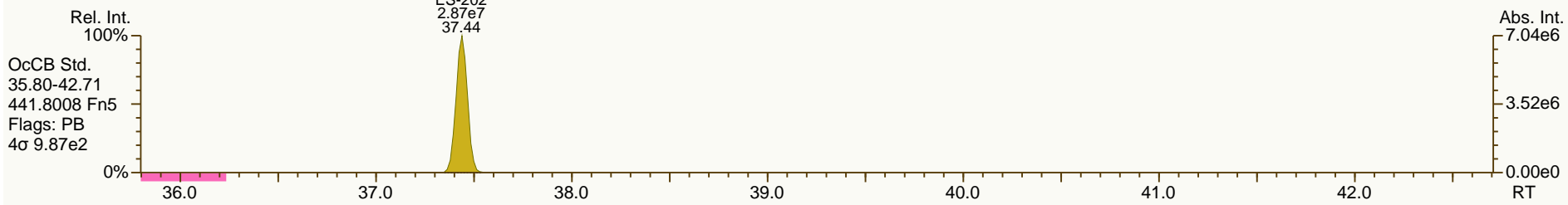
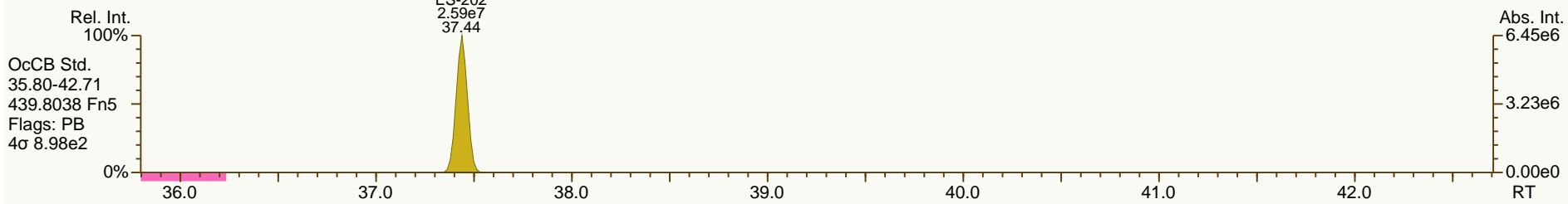
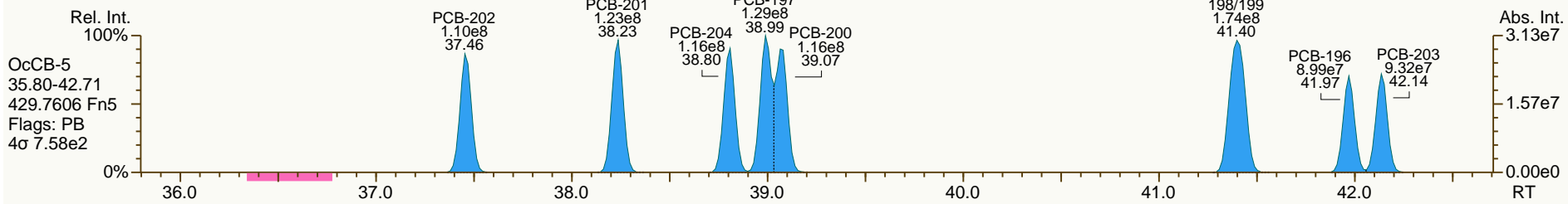
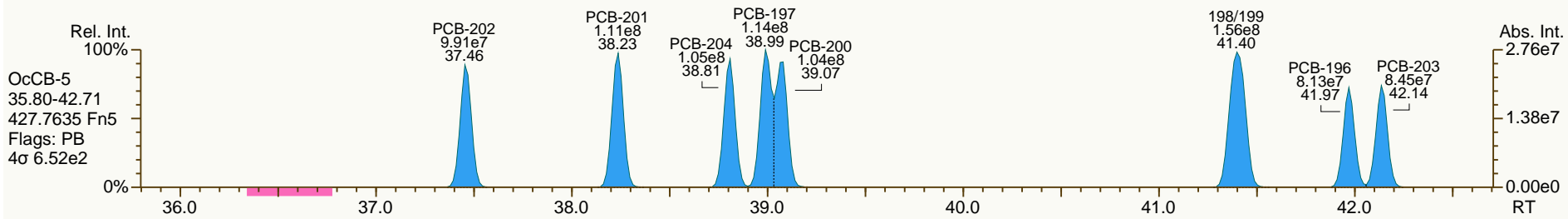
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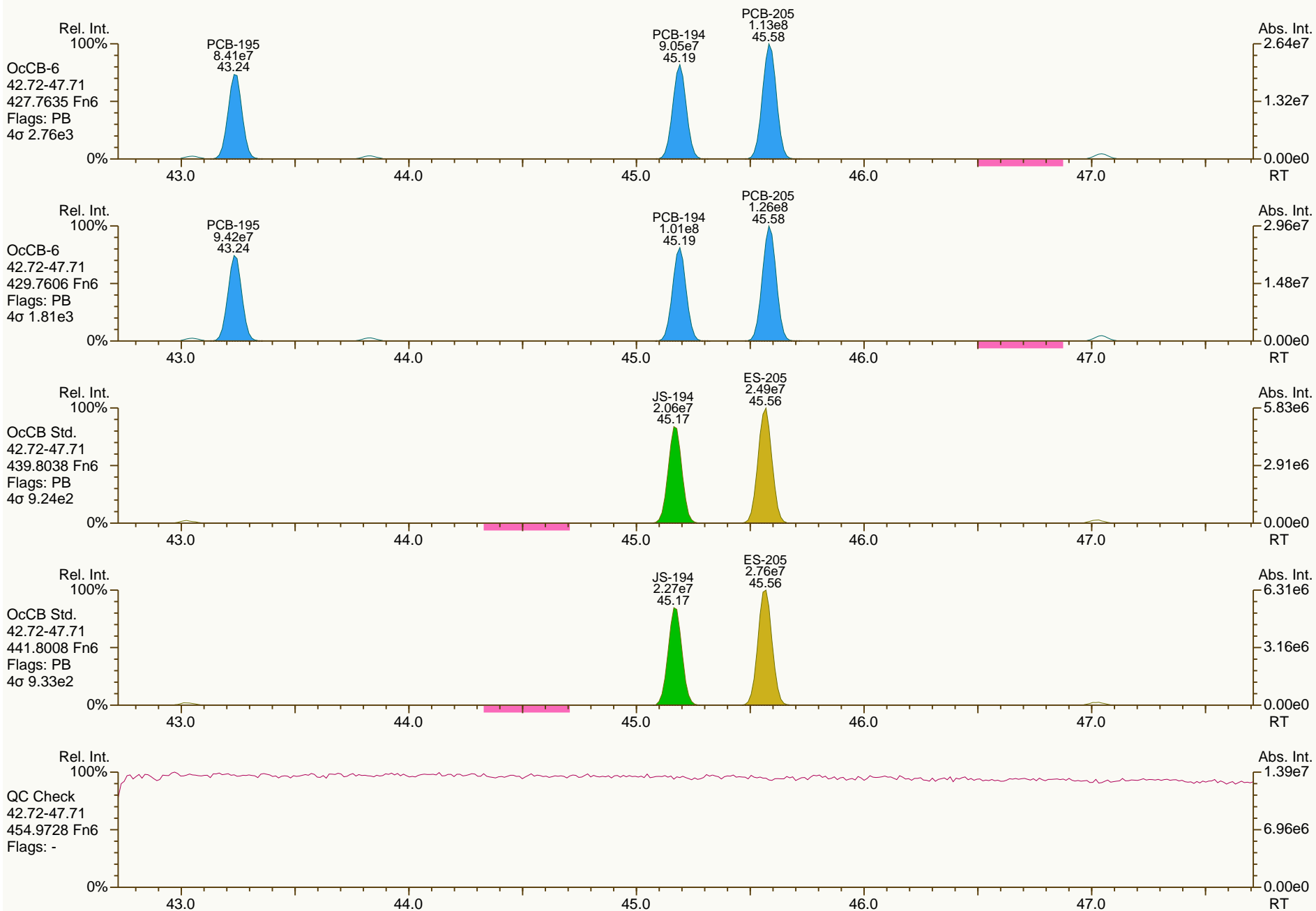
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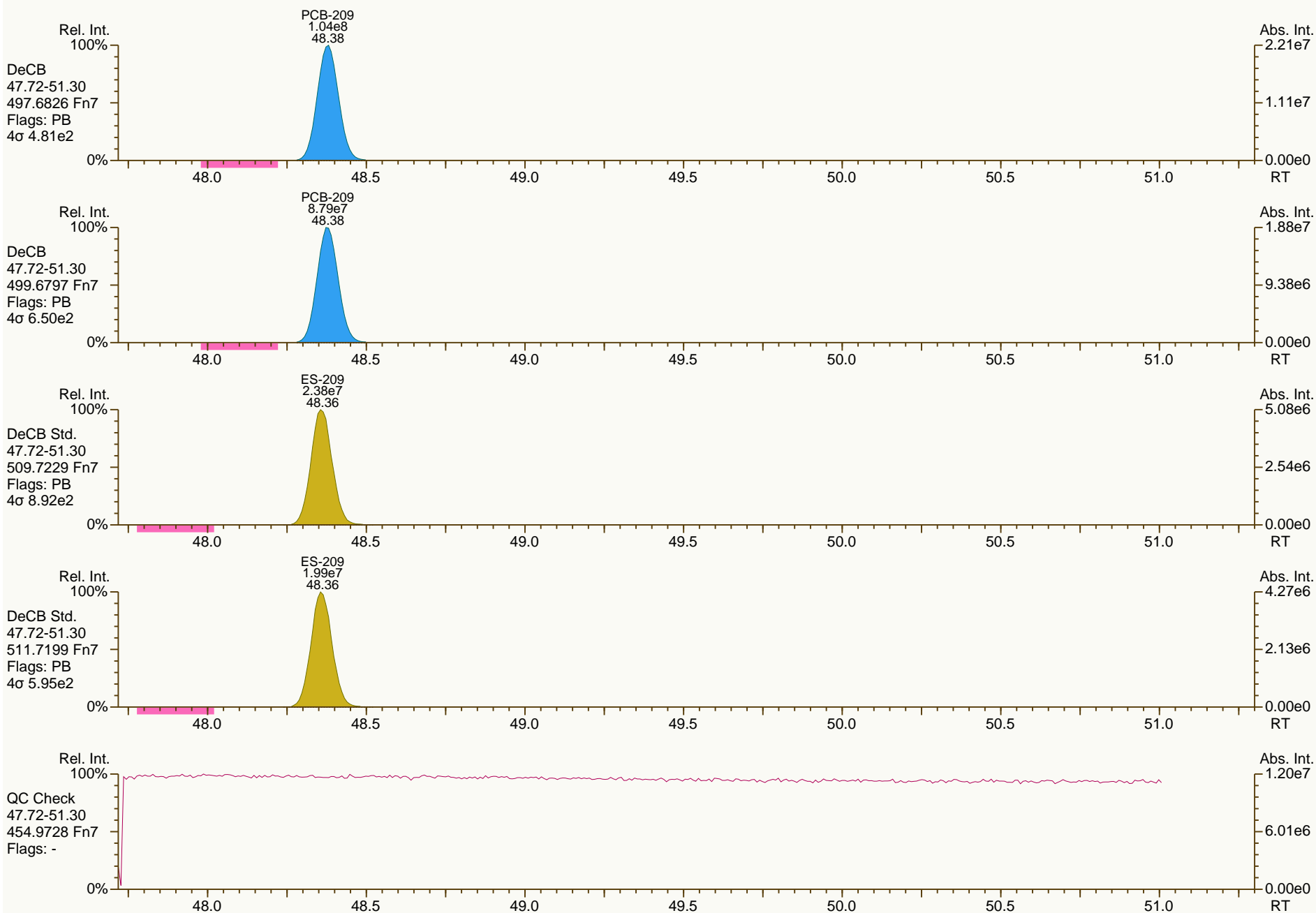
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Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 54

Acq: 26-Jul-2012 06:32:28
User: LKB Datafile: 120725X19



PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:15		
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Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.54	2.29E+09	0.79 Y	1.13	1.18	3.9%	
PCB-81 344'5'-TeCB	30.07	2.20E+09	0.79 Y	1.13	1.18	4.6%	
PCB-105 233'44'-PeCB	33.48	1.80E+09	0.63 Y	1.09	1.13	3.0%	
PCB-114 2344'5'-PeCB	32.95	1.90E+09	0.63 Y	1.16	1.20	3.1%	
PCB-118 23'44'5'-PeCB	32.51	1.86E+09	0.63 Y	1.11	1.12	1.3%	
PCB-123 2'344'5'-PeCB	32.23	1.94E+09	0.63 Y	1.19	1.23	3.4%	
PCB-126 33'44'5'-PeCB	36.08	1.76E+09	0.63 Y	1.06	1.12	5.8%	
PCB-156/157 233'44'5'/233'44'5'	38.60	3.47E+09	1.25 Y	1.11	1.12	1.0%	
PCB-167 23'44'55'-HxCB	37.65	1.84E+09	1.25 Y	1.14	1.17	2.8%	
PCB-169 33'44'55'-HxCB	41.31	1.70E+09	1.26 Y	1.11	1.14	2.7%	
PCB-189 233'44'55'-HpCB	43.42	1.56E+09	1.05 Y	1.06	1.10	3.7%	
PCB-209 DeCB	48.37	9.96E+08	1.18 Y	1.07	1.07	-0.3%	
ES PCB-1	10.63	1.48E+08	3.19 Y	1.08	1.09	0.9%	
ES PCB-3	12.69	1.49E+08	3.21 Y	1.08	1.10	1.4%	
ES PCB-4	12.91	6.61E+07	1.61 Y	0.49	0.49	-0.3%	
ES PCB-15	18.23	1.52E+08	1.59 Y	1.11	1.12	0.7%	
ES PCB-19	15.75	7.38E+07	1.06 Y	0.55	0.54	-1.9%	
ES PCB-37	24.32	1.21E+08	1.07 Y	1.64	1.67	2.1%	
ES PCB-54	18.48	6.74E+07	0.79 Y	0.94	0.93	-0.9%	
ES PCB-77	30.52	9.71E+07	0.79 Y	1.35	1.34	-0.3%	
ES PCB-81	30.05	9.32E+07	0.80 Y	1.29	1.29	0.1%	
ES PCB-104	23.28	6.50E+07	1.56 Y	0.99	1.00	0.7%	
ES PCB-105	33.46	7.99E+07	1.59 Y	1.23	1.23	-0.3%	
ES PCB-114	32.93	7.95E+07	1.59 Y	1.25	1.22	-2.0%	
ES PCB-118	32.48	8.30E+07	1.62 Y	1.28	1.28	-0.3%	
ES PCB-123	32.21	7.90E+07	1.59 Y	1.22	1.22	-0.2%	
ES PCB-126	36.06	7.84E+07	1.58 Y	1.20	1.21	0.6%	
ES PCB-153	34.06	6.01E+07	1.25 Y	1.14	1.15	0.4%	
ES PCB-155	28.13	7.88E+07	1.27 Y	1.50	1.50	0.4%	
ES PCB-156/157	38.58	1.55E+08	1.29 Y	1.45	1.48	1.5%	
ES PCB-167	37.62	7.86E+07	1.28 Y	1.49	1.50	0.3%	
ES PCB-169	41.29	7.46E+07	1.27 Y	1.40	1.42	1.2%	
ES PCB-170	40.79	4.67E+07	1.05 Y	1.00	1.00	-0.2%	
ES PCB-180	39.75	5.51E+07	1.05 Y	1.16	1.18	1.8%	
ES PCB-188	32.93	6.18E+07	1.06 Y	1.18	1.18	0.0%	
ES PCB-189	43.40	7.11E+07	1.04 Y	1.49	1.52	2.3%	
ES PCB-202	37.43	5.96E+07	0.89 Y	1.14	1.14	0.0%	
ES PCB-205	45.55	5.70E+07	0.90 Y	1.20	1.22	1.4%	
ES PCB-206	47.01	4.08E+07	0.78 Y	0.87	0.87	0.4%	
ES PCB-208	43.01	5.57E+07	0.79 Y	1.19	1.19	0.2%	
ES PCB-209	48.35	4.66E+07	1.18 Y	1.00	1.00	-0.5%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 28-Jul-2012 10:15		
Lab ID:	CS5_120725_PCB_XB	ICAL: MM7_PCB_07132012_25JUL12					
Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.88	1.28E+08	1.06 Y	1.07	1.06	-1.3%	
SS PCB-111	30.57	8.01E+07	1.60 Y	1.01	1.01	0.8%	
SS PCB-178	35.48	3.91E+07	1.07 Y	0.63	0.63	0.7%	
CS PCB-28	20.88	1.28E+08	1.06 Y	1.76	1.77	0.8%	
CS PCB-111	30.57	8.01E+07	1.60 Y	1.23	1.23	0.6%	
CS PCB-178	35.48	3.91E+07	1.07 Y	0.74	0.74	0.7%	
JS PCB-9	14.74	1.36E+08	1.58 Y	-	-	-	
JS PCB-52	22.45	7.23E+07	0.79 Y	-	-	-	
JS PCB-101	28.30	6.50E+07	1.60 Y	-	-	-	
JS PCB-138	35.10	5.25E+07	1.26 Y	-	-	-	
JS PCB-194	45.16	4.67E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%	
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%	
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%	
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%	
PCB-19 22'6'-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%	
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%	
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%	
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%	
PCB-153 22'44'55'-HxCB	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%	
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%	
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%	
PCB-180 22'344'55'-HpCB	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%	
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%	
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%	
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%	
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%	
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%	

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-1 2-MoCB	10.64	3.25E+09	3.15 Y	1.03	1.10	6.3%
PCB-2 3-MoCB	12.53	3.38E+09	3.21 Y	1.04	1.13	8.7%
PCB-3 4-MoCB	12.70	3.36E+09	3.20 Y	1.04	1.13	7.8%
PCB-4 22'-DiCB	12.93	1.61E+09	1.59 Y	1.17	1.21	3.8%
PCB-10 26-DiCB	13.09	2.50E+09	1.60 Y	1.83	1.89	3.0%
PCB-9 25-DiCB	14.75	2.87E+09	1.59 Y	0.89	0.95	5.7%
PCB-7 24-DiCB	14.91	3.29E+09	1.58 Y	1.02	1.08	5.6%
PCB-6 23'-DiCB	15.11	3.07E+09	1.59 Y	0.95	1.01	6.6%
PCB-5 23-DiCB	15.39	3.11E+09	1.59 Y	0.97	1.02	5.1%
PCB-8 24'-DiCB	15.51	3.17E+09	1.58 Y	0.98	1.04	5.9%
PCB-14 35-DiCB	16.97	3.71E+09	1.58 Y	1.16	1.22	5.3%
PCB-11 33'-DiCB	17.70	3.26E+09	1.59 Y	1.00	1.07	7.3%
PCB-13/12 34'-/34-DiCB	17.98	6.49E+09	1.58 Y	1.02	1.07	4.9%
PCB-15 44'-DiCB	18.25	3.41E+09	1.58 Y	1.08	1.12	3.7%
PCB-19 22'6-TrCB	15.77	1.68E+09	1.06 Y	1.09	1.14	4.2%
PCB-30/18 246-/22'5-TrCB	17.43	4.49E+09	1.06 Y	1.46	1.52	4.0%
PCB-17 22'4-TrCB	17.81	1.97E+09	1.06 Y	1.25	1.33	6.4%
PCB-27 23'6-TrCB	17.99	2.58E+09	1.06 Y	1.69	1.75	3.3%
PCB-24 236-TrCB	18.12	2.57E+09	1.05 Y	1.63	1.74	6.5%
PCB-16 22'3-TrCB	18.20	1.44E+09	1.06 Y	0.95	0.98	2.5%
PCB-32 24'6-TrCB	18.66	2.76E+09	1.05 Y	1.79	1.87	4.4%
PCB-34 2'35-TrCB	19.77	2.61E+09	1.06 Y	1.05	1.08	3.3%
PCB-23 235-TrCB	19.91	2.65E+09	1.05 Y	1.06	1.10	3.7%
PCB-26/29 23'5-/245-TrCB	20.19	5.38E+09	1.05 Y	1.09	1.11	2.7%
PCB-25 23'4-TrCB	20.37	2.67E+09	1.05 Y	1.07	1.10	2.7%
PCB-31 24'5-TrCB	20.64	2.79E+09	1.05 Y	1.11	1.16	4.0%
PCB-28/20 244'-/233'-TrCB	20.91	5.27E+09	1.06 Y	1.07	1.09	2.2%
PCB-21/33 234-/2'34-TrCB	21.08	5.36E+09	1.05 Y	1.09	1.11	1.5%
PCB-22 234'-TrCB	21.44	2.52E+09	1.05 Y	1.02	1.05	2.9%
PCB-36 33'5-TrCB	22.79	2.80E+09	1.05 Y	1.13	1.16	2.7%
PCB-39 34'5-TrCB	23.10	2.91E+09	1.05 Y	1.17	1.21	3.5%
PCB-38 345-TrCB	23.60	2.46E+09	1.06 Y	1.03	1.02	-1.4%
PCB-35 33'4-TrCB	23.99	2.58E+09	1.05 Y	1.04	1.07	2.7%
PCB-37 344'-TrCB	24.34	2.72E+09	1.05 Y	1.10	1.12	1.8%
PCB-54 22'66'-TeCB	18.50	1.69E+09	0.80 Y	1.21	1.25	3.7%
PCB-50/53 22'46-/22'56'TeCB	20.42	3.32E+09	0.79 Y	0.86	0.89	4.0%
PCB-45 22'36'-TeCB	20.97	1.56E+09	0.79 Y	0.73	0.84	15.0%
PCB-51 22'46'-TeCB	21.05	1.57E+09	0.80 Y	0.88	0.84	-3.9%
PCB-46 22'36'-TeCB	21.24	1.36E+09	0.79 Y	0.70	0.73	4.8%
PCB-52 22'55'-TeCB	22.47	1.62E+09	0.79 Y	0.84	0.87	3.4%
PCB-73 23'5'6TeCB	22.60	2.21E+09	0.79 Y	1.09	1.19	8.9%
PCB-43 22'35'-TeCB	22.68	1.35E+09	0.80 Y	0.72	0.72	-0.2%
PCB-69/49 23'46-/22'45'TeCB	22.88	3.94E+09	0.79 Y	1.01	1.06	4.4%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	23.15	1.66E+09	0.79 Y	0.85	0.89	4.7%
PCB-44/47/65 22'35'-/22'44'-	23.36	5.12E+09	0.79 Y	0.89	0.92	2.9%
PCB-59/62/75 233'6-/2346-/24	23.62	6.39E+09	0.79 Y	1.14	1.14	0.4%
PCB-42 22'34'-TeCB	23.78	1.52E+09	0.79 Y	0.77	0.82	5.6%
PCB-41 22'34'-TeCB	24.10	1.46E+09	0.79 Y	0.73	0.78	7.5%
PCB-71/40 23'4'6/22'33'-TeCB	24.19	3.26E+09	0.79 Y	0.87	0.88	1.2%
PCB-64 234'6'-TeCB	24.39	2.37E+09	0.79 Y	1.24	1.27	2.8%
PCB-72 23'55'-TeCB	25.11	2.26E+09	0.79 Y	1.14	1.22	6.3%
PCB-68 23'45'-TeCB	25.36	2.42E+09	0.79 Y	1.21	1.30	7.3%
PCB-57 233'5'-TeCB	25.72	2.17E+09	0.79 Y	1.11	1.16	5.2%
PCB-58 233'5'-TeCB	25.91	2.20E+09	0.79 Y	1.10	1.18	7.3%
PCB-67 23'45'-TeCB	26.07	2.24E+09	0.78 Y	1.16	1.20	3.7%
PCB-63 234'5'-TeCB	26.29	2.39E+09	0.79 Y	1.22	1.29	5.7%
PCB-61/70/74/76 2345-/23'4'5	26.57	8.77E+09	0.79 Y	1.13	1.18	4.0%
PCB-66 23'44'-TeCB	26.84	2.10E+09	0.79 Y	1.08	1.13	4.8%
PCB-55 233'4'-TeCB	26.98	2.15E+09	0.79 Y	1.10	1.16	5.4%
PCB-56 233'4'-TeCB	27.40	2.08E+09	0.79 Y	1.06	1.12	5.9%
PCB-60 2344'-TeCB	27.59	2.20E+09	0.79 Y	1.11	1.18	6.1%
PCB-80 33'55'-TeCB	27.95	2.47E+09	0.79 Y	1.25	1.33	5.8%
PCB-79 33'45'-TeCB	29.23	2.35E+09	0.79 Y	1.23	1.26	2.3%
PCB-78 33'45'-TeCB	29.70	2.10E+09	0.79 Y	1.08	1.13	4.2%
PCB-104 22'466'-PeCB	23.30	1.65E+09	0.63 Y	1.25	1.27	0.9%
PCB-96 22'366'-PeCB	23.60	1.37E+09	0.63 Y	1.08	1.06	-1.7%
PCB-103 22'45'6'-PeCB	25.27	1.50E+09	0.63 Y	0.90	0.95	5.6%
PCB-94 22'356'-PeCB	25.45	1.31E+09	0.63 Y	0.78	0.83	6.7%
PCB-95 22'35'6'-PeCB	25.82	1.39E+09	0.63 Y	0.83	0.88	6.7%
PCB-100/93 22'44'6-/22'356-P	26.03	2.74E+09	0.63 Y	0.84	0.87	2.7%
PCB-102 22'456'-PeCB	26.13	1.38E+09	0.63 Y	0.90	0.88	-2.7%
PCB-98 22'3'46'-PeCB	26.20	1.40E+09	0.64 Y	0.77	0.88	14.2%
PCB-88 22'346'-PeCB	26.49	1.21E+09	0.62 Y	0.79	0.77	-3.5%
PCB-91 22'34'6'-PeCB	26.56	1.54E+09	0.64 Y	0.88	0.97	10.7%
PCB-84 22'33'6'-PeCB	26.74	1.18E+09	0.63 Y	0.71	0.75	5.4%
PCB-89 22'346'-PeCB	27.14	1.26E+09	0.63 Y	0.76	0.80	4.8%
PCB-121 23'45'6'-PeCB	27.52	1.90E+09	0.63 Y	1.14	1.20	5.1%
PCB-92 22'355'-PeCB	27.82	1.33E+09	0.63 Y	0.80	0.84	5.5%
PCB-113/90/101 233'5'6-/22'3	28.30	4.51E+09	0.63 Y	0.93	0.95	1.8%
PCB-83 22'33'5'-PeCB	28.71	1.16E+09	0.63 Y	0.71	0.74	3.2%
PCB-99 22'44'5'-PeCB	28.82	1.42E+09	0.63 Y	0.87	0.90	3.2%
PCB-112 233'56'-PeCB	28.91	1.87E+09	0.63 Y	1.13	1.19	5.3%
PCB-108/119/86/97/125/87 233	29.25	9.01E+09	0.63 Y	0.95	0.95	0.1%
PCB-117 234'56'-PeCB	29.77	1.53E+09	0.62 Y	1.04	0.97	-6.6%
PCB-116/85 23456-/22'344'-Pe	29.85	3.33E+09	0.63 Y	0.97	1.05	8.3%
PCB-110 233'4'6'-PeCB	29.97	1.66E+09	0.63 Y	1.02	1.05	2.9%

PCB QC Summary - Ax2 Detail

Printed: 28-Jul-2012 10:15

Lab ID: CS5_120725_PCB_XB
 Acquired: 26-JUL-2012 07:26
 Datafile: 120725X20

ICAL: MM7_PCB_07132012_25JUL12

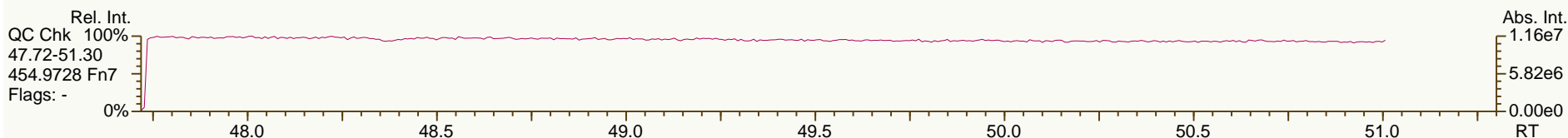
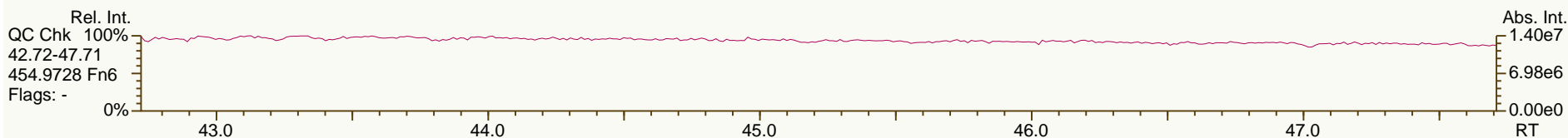
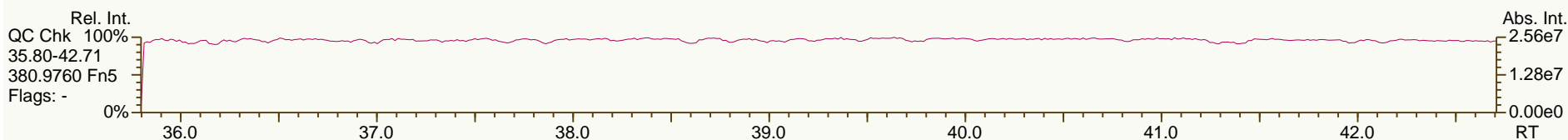
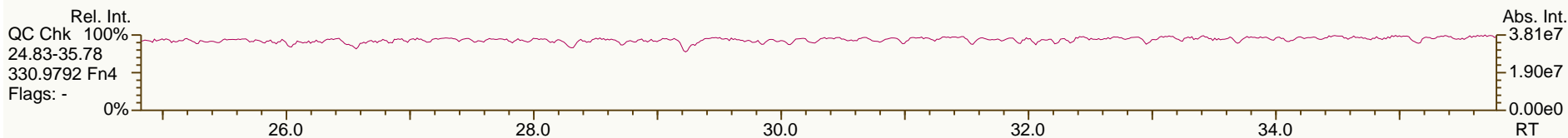
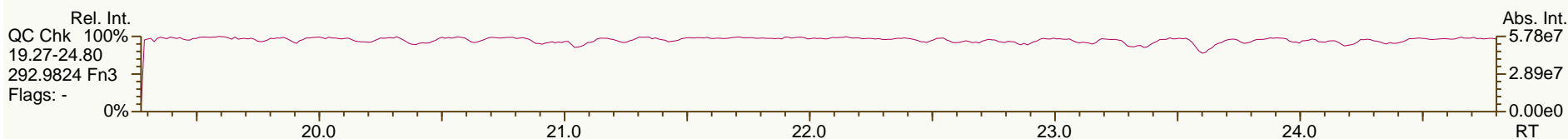
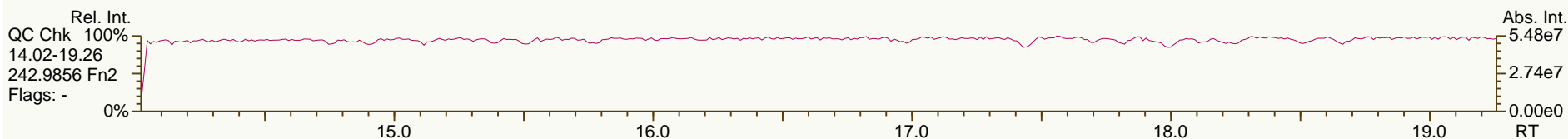
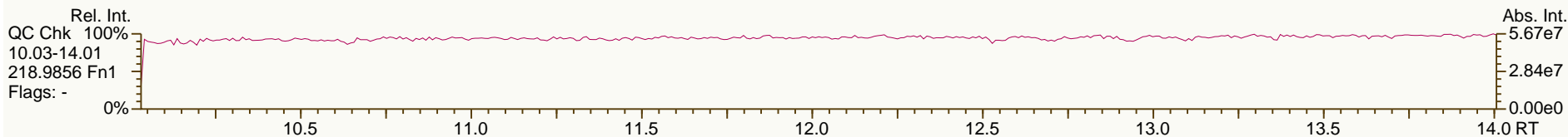
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-115 2344'6-PeCB	30.06	1.92E+09	0.63 Y	1.16	1.21	4.9%
PCB-82 22'33'4-PeCB	30.24	1.15E+09	0.63 Y	0.69	0.73	5.2%
PCB-111 233'55'-PeCB	30.59	1.92E+09	0.63 Y	1.15	1.22	5.3%
PCB-120 23'455'-PeCB	30.98	1.91E+09	0.63 Y	1.16	1.21	4.0%
PCB-107/124 233'4'5'-/2'3455'	31.92	3.55E+09	0.63 Y	1.07	1.12	4.4%
PCB-109 233'46-PeCB	32.13	1.89E+09	0.63 Y	1.14	1.20	4.9%
PCB-106 233'45-PeCB	32.33	1.69E+09	0.63 Y	1.07	1.07	-0.1%
PCB-122 2'33'45-PeCB	32.78	1.67E+09	0.63 Y	1.00	1.05	5.0%
PCB-127 33'455'-PeCB	34.73	1.81E+09	0.63 Y	1.10	1.13	2.9%
PCB-155 22'44'66'-HxCB	28.15	1.78E+09	1.26 Y	1.09	1.13	3.8%
PCB-152 22'3566'-HxCB	28.29	1.65E+09	1.27 Y	1.01	1.05	3.5%
PCB-150 22'34'66'-HxCB	28.44	1.69E+09	1.26 Y	1.00	1.07	6.8%
PCB-136 22'33'66'-HxCB	28.72	1.57E+09	1.27 Y	0.95	1.00	4.7%
PCB-145 22'3466'HxCB	28.99	1.61E+09	1.27 Y	0.96	1.02	6.2%
PCB-148 22'34'56'-HxCB	30.27	1.25E+09	1.26 Y	0.97	1.04	7.3%
PCB-151/135 22'355'6-/22'33'	30.78	2.41E+09	1.27 Y	0.96	1.00	4.3%
PCB-154 22'44'5'6-HxCB	30.99	1.37E+09	1.26 Y	1.09	1.14	4.6%
PCB-144 22'345'6-HxCB	31.24	1.25E+09	1.26 Y	0.98	1.04	5.8%
PCB-147/149 22'34'56-/22'34'	31.54	2.47E+09	1.26 Y	0.99	1.03	4.1%
PCB-134 22'33'56-HxCB	31.70	9.58E+08	1.26 Y	0.80	0.80	-0.4%
PCB-143 22'3456'-HxCB	31.78	1.24E+09	1.27 Y	0.95	1.03	8.1%
PCB-139/140 22'344'6-/22'344'	32.05	2.51E+09	1.26 Y	1.00	1.05	4.6%
PCB-131 22'33'46-HxCB	32.21	1.07E+09	1.27 Y	0.85	0.89	5.0%
PCB-142 22'3456-HxCB	32.35	1.11E+09	1.27 Y	0.87	0.92	5.5%
PCB-132 22'33'46'-HxCB	32.58	1.12E+09	1.26 Y	0.89	0.93	4.8%
PCB-133 22'33'55'-HxCB	33.02	1.16E+09	1.26 Y	0.91	0.97	5.8%
PCB-165 233'55'6-HxCB	33.36	1.43E+09	1.26 Y	1.13	1.19	5.3%
PCB-146 22'34'55'-HxCB	33.57	1.29E+09	1.26 Y	1.01	1.07	6.5%
PCB-161 233'45'6-HxCB	33.68	1.53E+09	1.27 Y	1.25	1.28	1.8%
PCB-153/168 22'44'55'-/23'44'	34.10	3.01E+09	1.27 Y	1.22	1.25	2.8%
PCB-141 22'3455'-HxCB	34.24	1.18E+09	1.27 Y	0.93	0.98	5.6%
PCB-130 22'33'45'-HxCB	34.57	1.05E+09	1.26 Y	0.85	0.88	3.4%
PCB-137 22'344'5-HxCB	34.77	1.32E+09	1.25 Y	1.04	1.10	5.6%
PCB-164 233'4'5'6-HxCB	34.86	1.51E+09	1.27 Y	1.22	1.26	2.8%
PCB-163/138/129 233'4'56-/22'	35.14	3.75E+09	1.27 Y	1.02	1.04	1.7%
PCB-160 233'456-HxCB	35.27	1.51E+09	1.26 Y	1.21	1.26	4.2%
PCB-158 233'44'6-HxCB	35.45	1.65E+09	1.26 Y	1.34	1.38	2.9%
PCB-128/166 22'33'44'-/2344'5	36.17	2.93E+09	1.25 Y	0.90	0.93	3.6%
PCB-159 233'455'-HxCB	37.01	1.74E+09	1.25 Y	1.06	1.11	4.2%
PCB-162 233'4'55'-HxCB	37.24	1.76E+09	1.25 Y	1.08	1.12	4.1%
PCB-188 22'34'566'-HpCB	32.96	1.33E+09	1.05 Y	1.03	1.07	3.7%
PCB-179 22'33'566'-HpCB	33.22	1.24E+09	1.05 Y	0.97	1.00	3.4%
PCB-184 22'344'66'-HpCB	33.69	1.20E+09	1.06 Y	0.93	0.97	4.3%

PCB QC Summary - Ax2 Detail					Printed: 28-Jul-2012 10:15		
Lab ID:	CS5_120725_PCB_XB		ICAL: MM7_PCB_07132012_25JUL12				
Acquired:	26-JUL-2012 07:26						
Datafile:	120725X20						
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PCB-176 22'33'466'-HpCB	33.97	1.35E+09	1.06 Y	1.05	1.09	4.1%	
PCB-186 22'34566'-HpCB	34.35	1.26E+09	1.05 Y	0.98	1.02	4.2%	
PCB-178 22'33'55'6'-HpCB	35.50	9.37E+08	1.05 Y	0.74	0.76	3.1%	
PCB-175 22'33'45'6'-HpCB	36.04	1.18E+09	1.05 Y	1.01	1.07	5.9%	
PCB-187 22'34'55'6'-HpCB	36.27	1.23E+09	1.05 Y	1.06	1.11	4.9%	
PCB-182 22'344'56'-HpCB	36.44	1.26E+09	1.05 Y	1.11	1.14	3.1%	
PCB-183 22'344'5'6'-HpCB	36.78	1.30E+09	1.04 Y	1.13	1.18	4.3%	
PCB-185 22'3455'6'-HpCB	36.86	1.18E+09	1.06 Y	1.02	1.07	5.2%	
PCB-174 22'33'456'-HpCB	36.97	1.06E+09	1.05 Y	0.93	0.96	4.0%	
PCB-177 22'33'4'56'-HpCB	37.33	1.05E+09	1.05 Y	0.91	0.95	5.0%	
PCB-181 22'344'56'-HpCB	37.68	1.21E+09	1.05 Y	1.06	1.10	3.4%	
PCB-171/173 22'33'44'6'-/22'3	37.85	2.11E+09	1.05 Y	0.93	0.96	3.3%	
PCB-172 22'33'455'-HpCB	39.22	1.08E+09	1.05 Y	0.95	0.98	3.1%	
PCB-192 233'455'6'-HpCB	39.46	1.42E+09	1.05 Y	1.24	1.29	4.2%	
PCB-180/193 22'344'55'-/233'	39.74	2.64E+09	1.05 Y	1.16	1.20	3.4%	
PCB-191 233'44'5'6'-HpCB	40.06	1.47E+09	1.06 Y	1.30	1.34	2.8%	
PCB-170 22'33'44'5'-HpCB	40.81	1.06E+09	1.05 Y	1.07	1.13	5.4%	
PCB-190 233'44'56'-HpCB	41.26	1.44E+09	1.05 Y	1.45	1.54	6.0%	
PCB-202 22'33'55'66'-OcCB	37.45	1.12E+09	0.89 Y	0.91	0.94	2.7%	
PCB-201 22'33'45'66'-OcCB	38.22	1.25E+09	0.90 Y	1.02	1.05	2.5%	
PCB-204 22'344'566'-OcCB	38.79	1.18E+09	0.91 Y	0.98	0.99	1.2%	
PCB-197 22'33'44'66'-OcCB	38.98	1.25E+09	0.90 Y	1.06	1.05	-1.6%	
PCB-200 22'33'4566'-OcCB	39.06	1.23E+09	0.91 Y	0.96	1.03	7.1%	
PCB-198/199 22'33'455'6'-/22'	41.39	1.75E+09	0.90 Y	0.72	0.73	2.3%	
PCB-196 22'33'44'56'-OcCB	41.96	9.05E+08	0.90 Y	0.73	0.76	3.9%	
PCB-203 22'344'55'6'-OcCB	42.12	9.48E+08	0.90 Y	0.76	0.80	4.1%	
PCB-195 22'33'44'56'-OcCB	43.22	9.53E+08	0.90 Y	0.80	0.84	4.6%	
PCB-194 22'33'44'55'-OcCB	45.18	1.01E+09	0.89 Y	0.87	0.89	1.8%	
PCB-205 233'44'55'6'-OcCB	45.57	1.28E+09	0.90 Y	1.09	1.12	2.8%	
PCB-208 22'33'455'66'-NoCB	43.03	1.18E+09	0.78 Y	1.02	1.06	4.3%	
PCB-207 22'33'44'566'-NoCB	43.81	1.22E+09	0.78 Y	1.06	1.10	3.8%	
PCB-206 22'33'44'55'6'-NoCB	47.03	8.31E+08	0.78 Y	0.98	1.02	4.2%	

AP Lab ID: CS5_120725_PCB_XB
Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

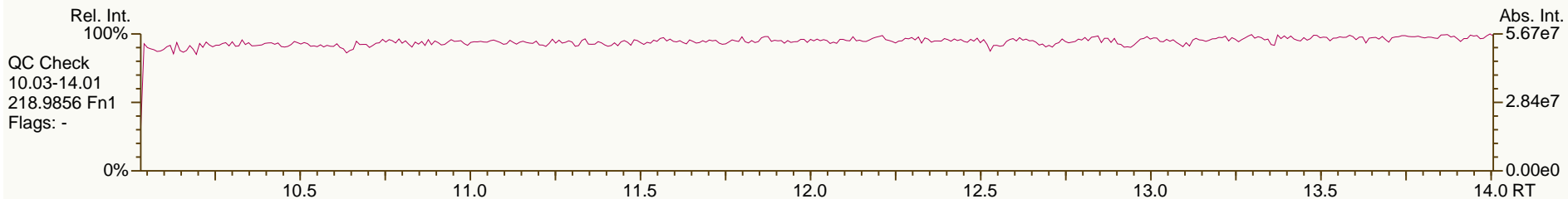
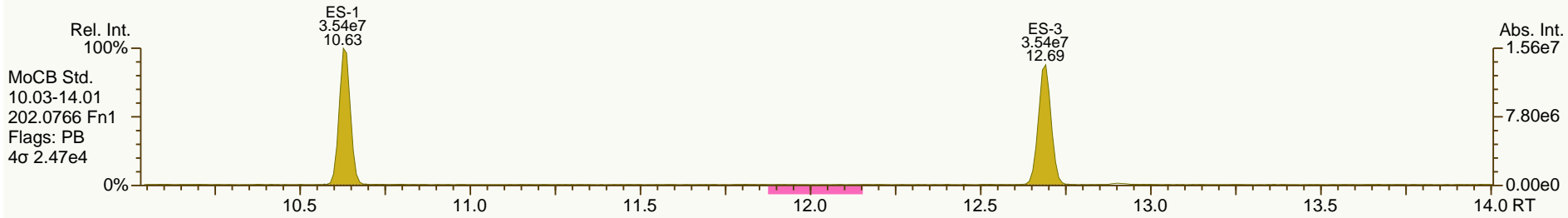
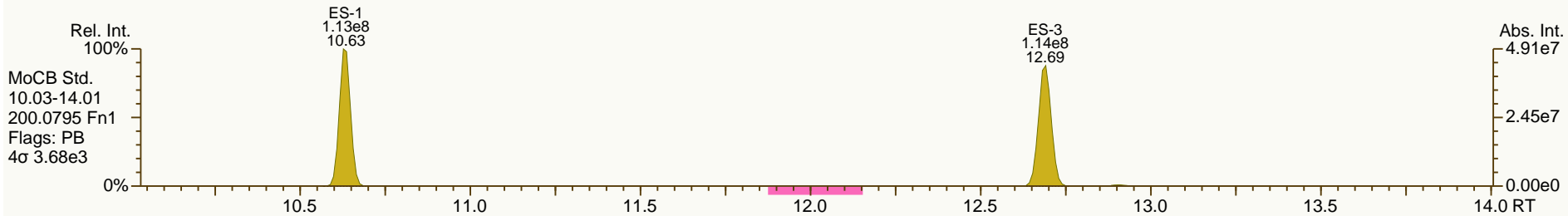
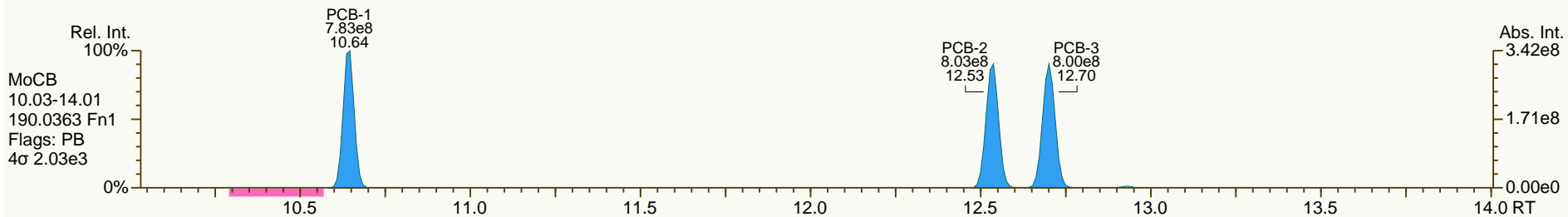
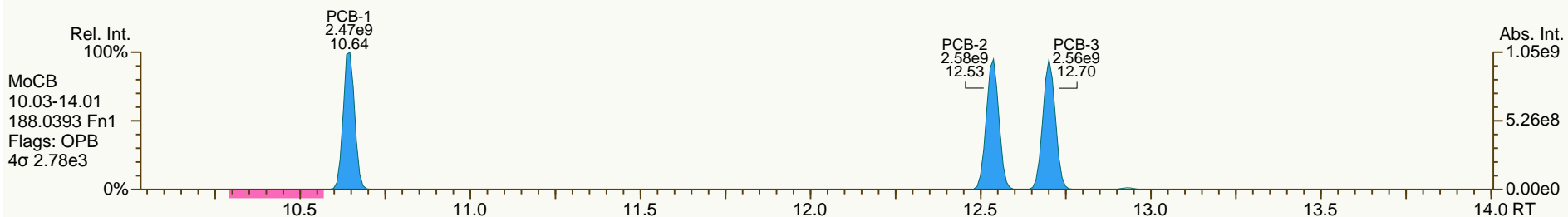
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

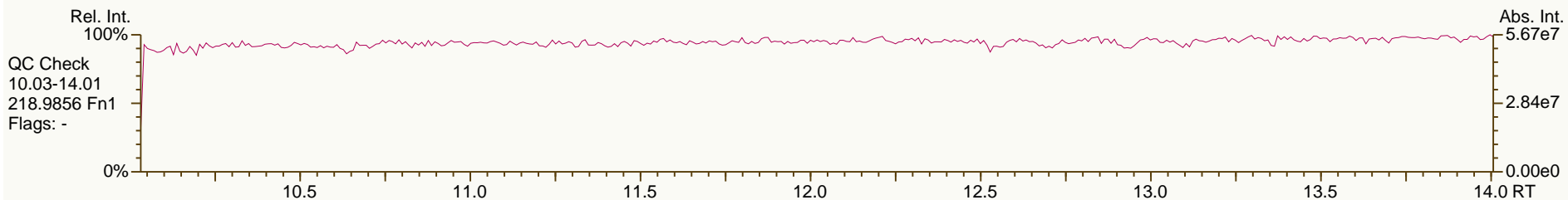
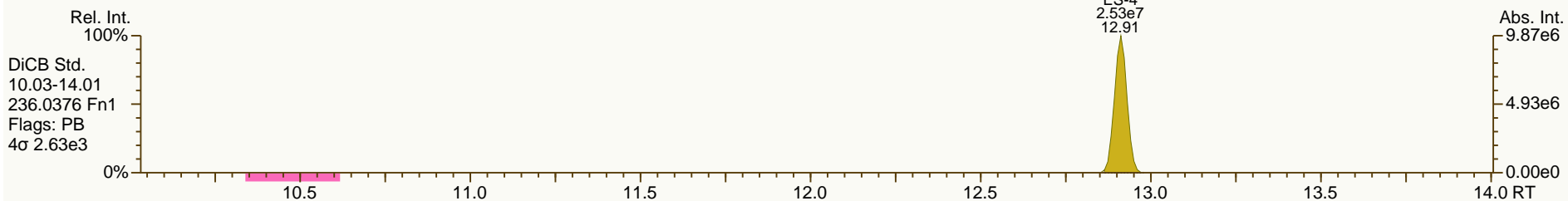
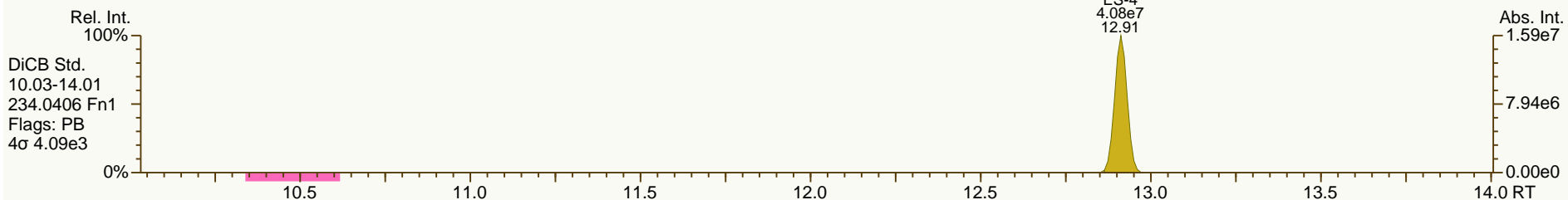
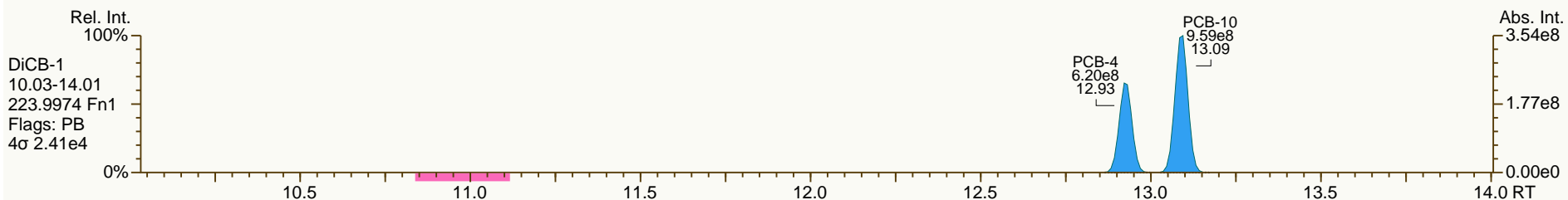
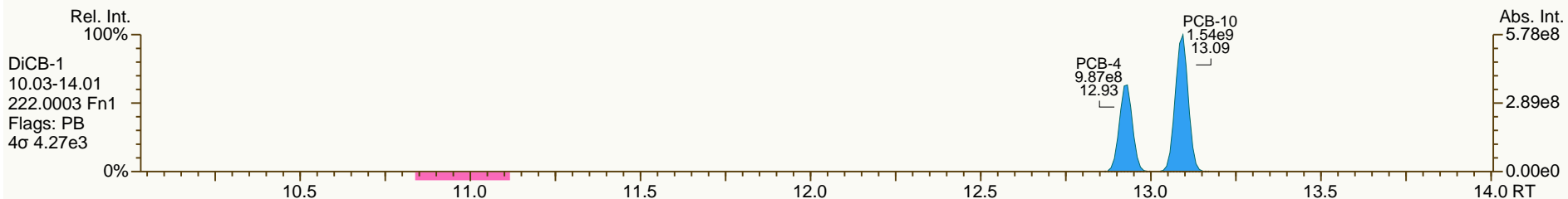
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
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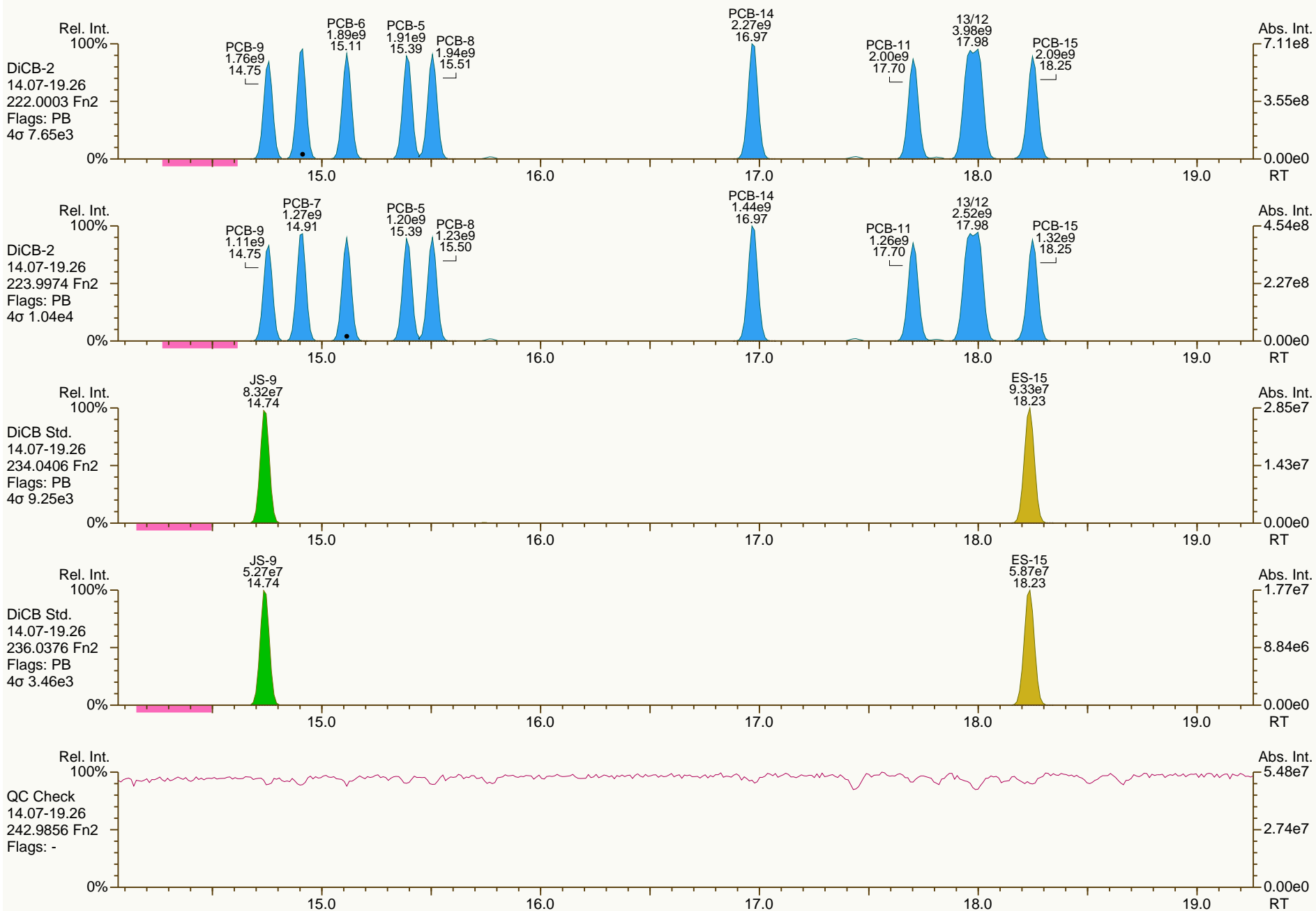
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AP Lab ID: CS5_120725_PCB_XB
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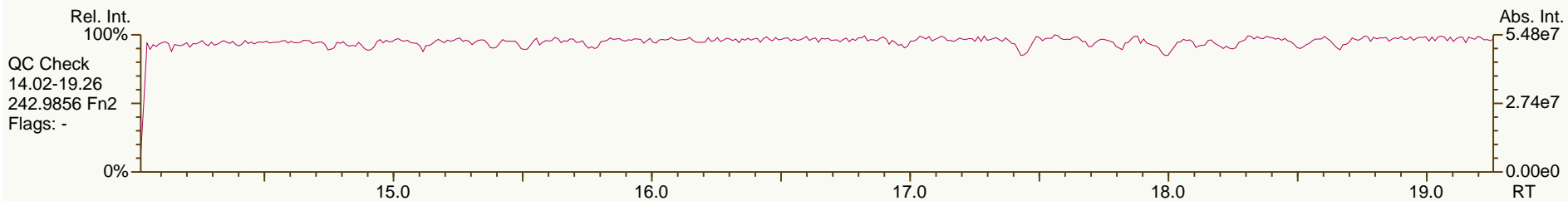
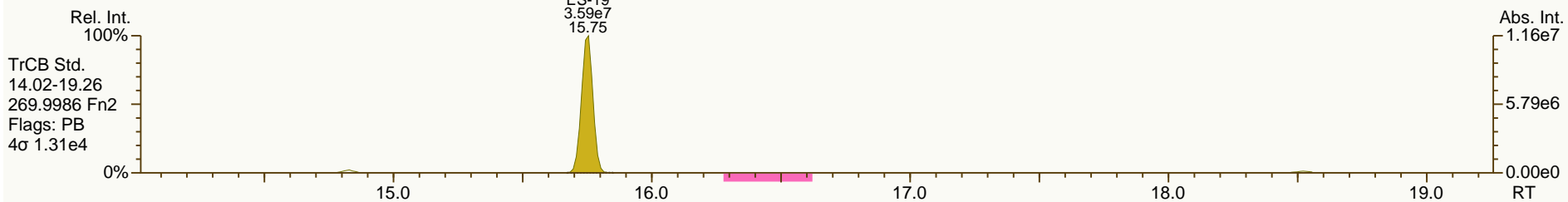
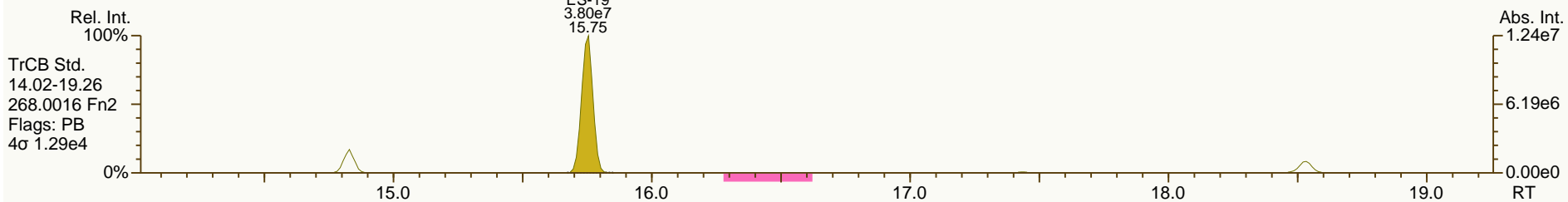
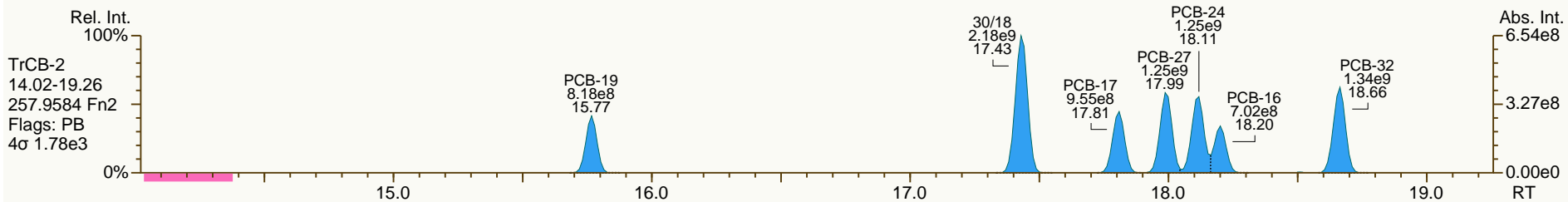
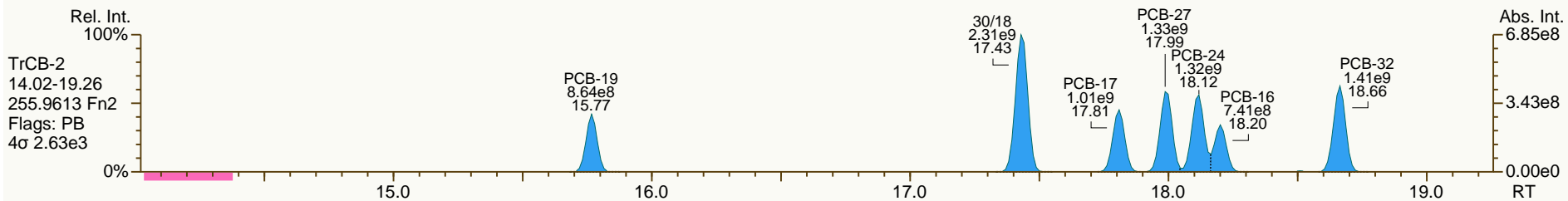
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AP Lab ID: CS5_120725_PCB_XB
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Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

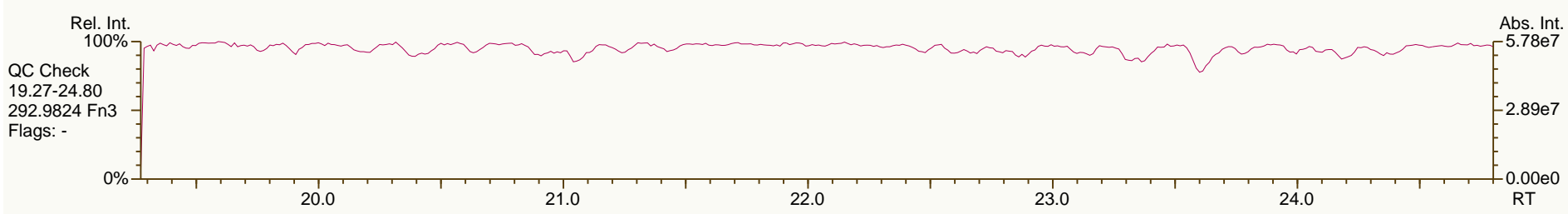
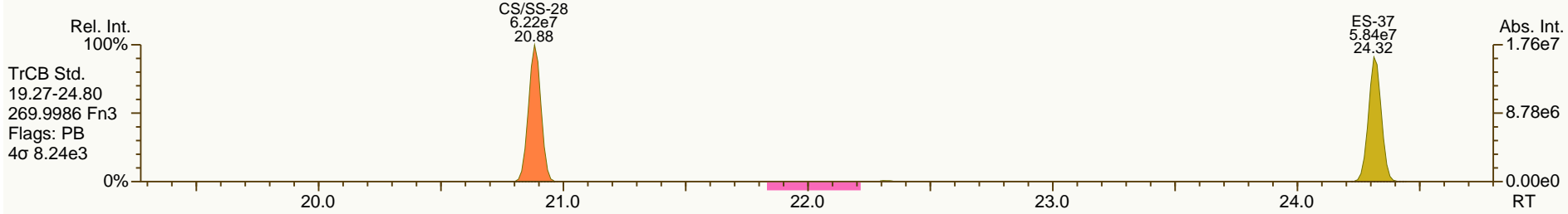
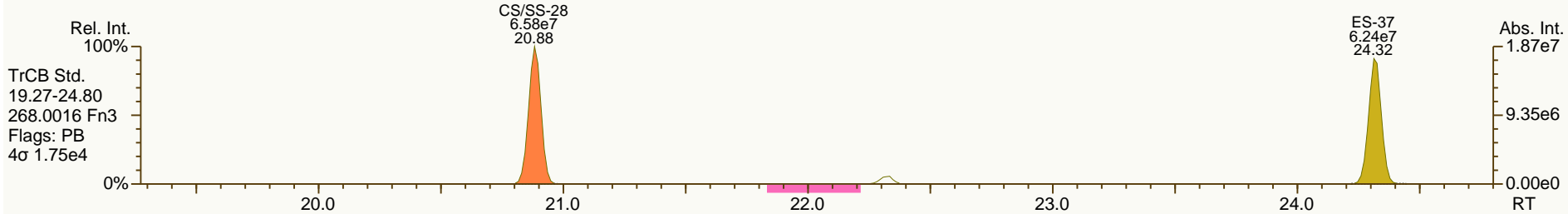
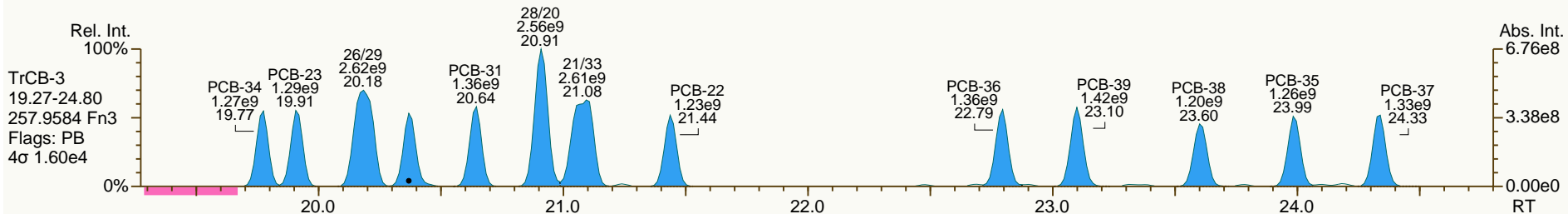
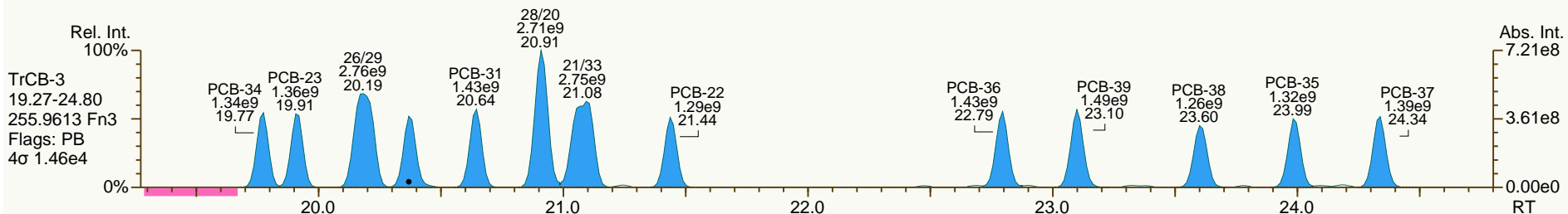
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

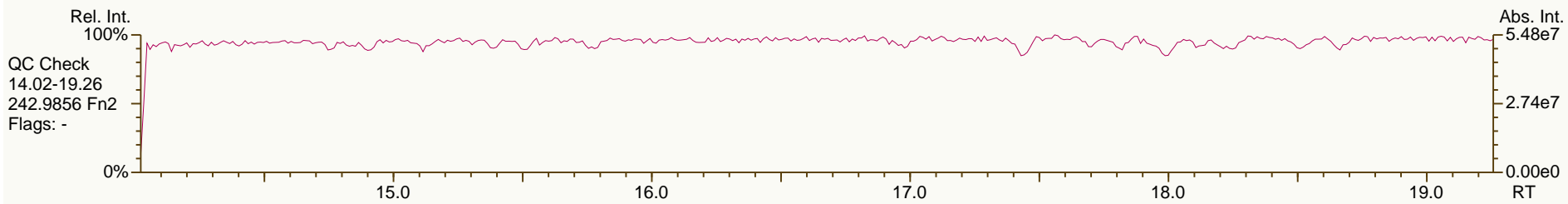
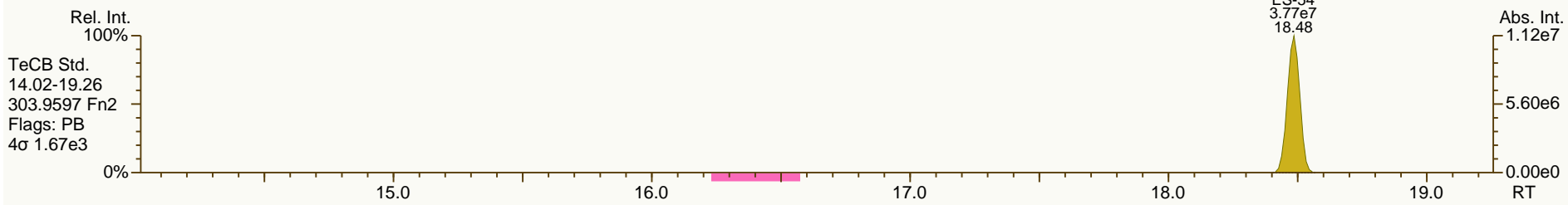
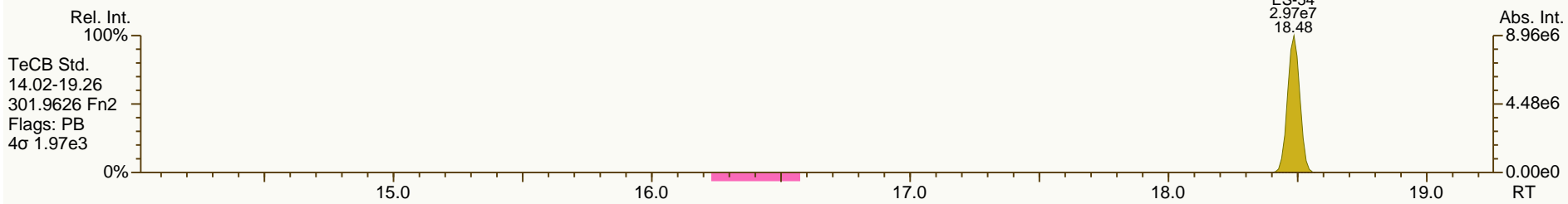
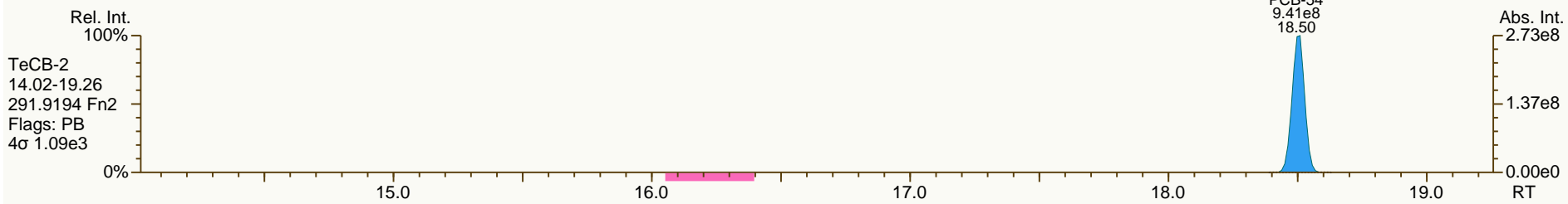
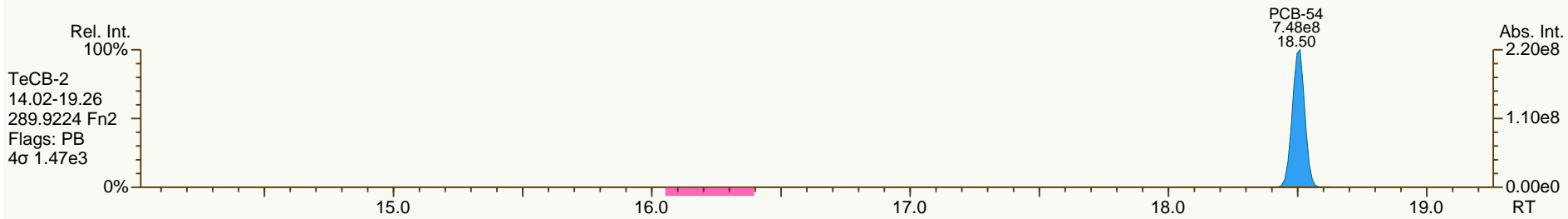
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

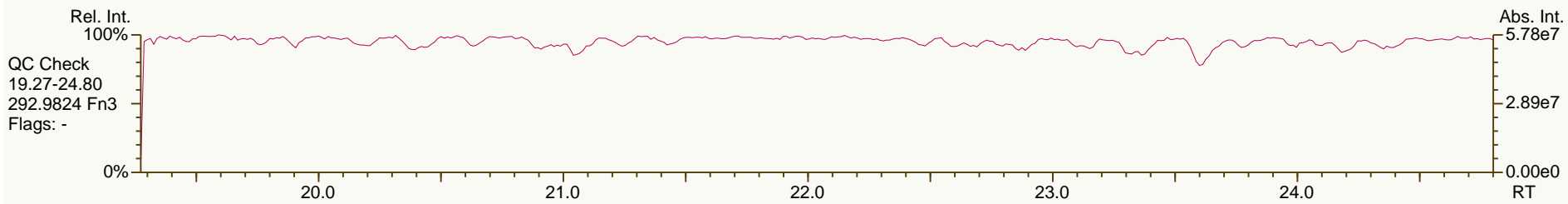
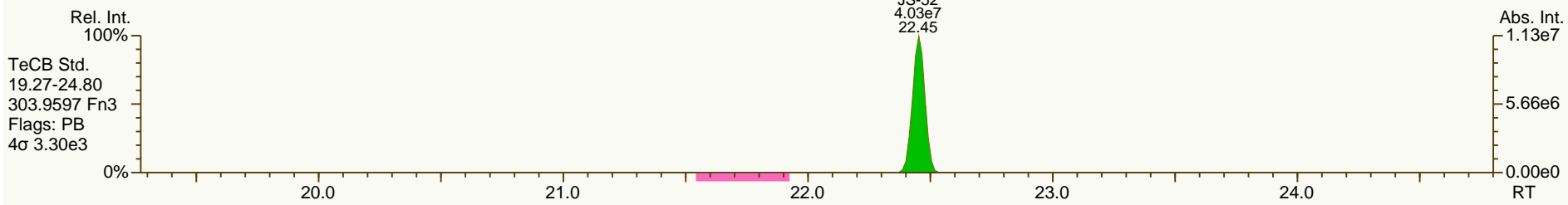
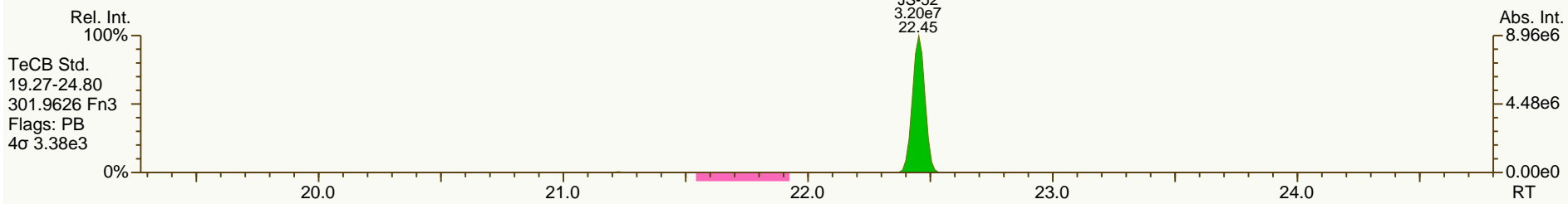
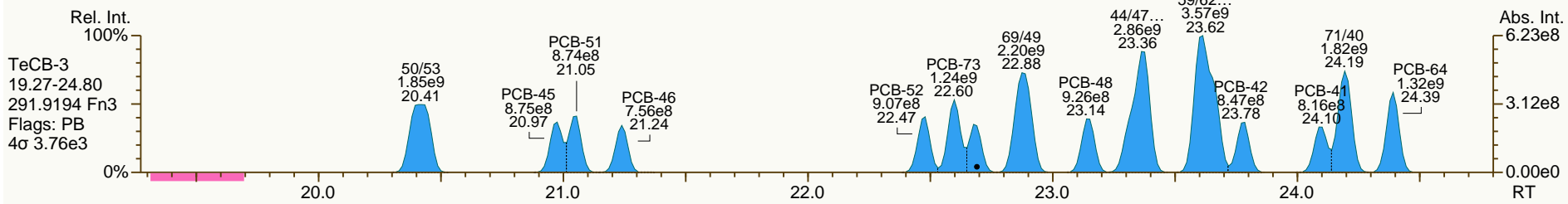
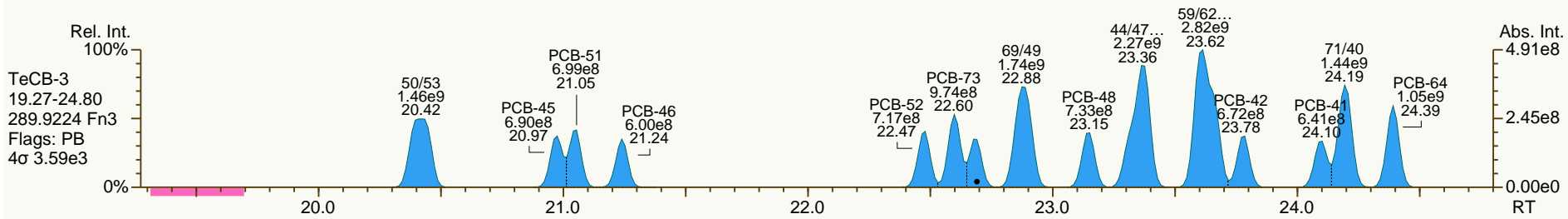
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
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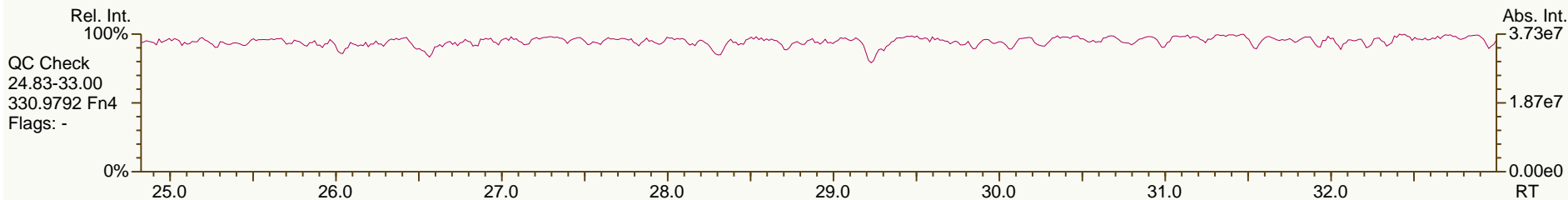
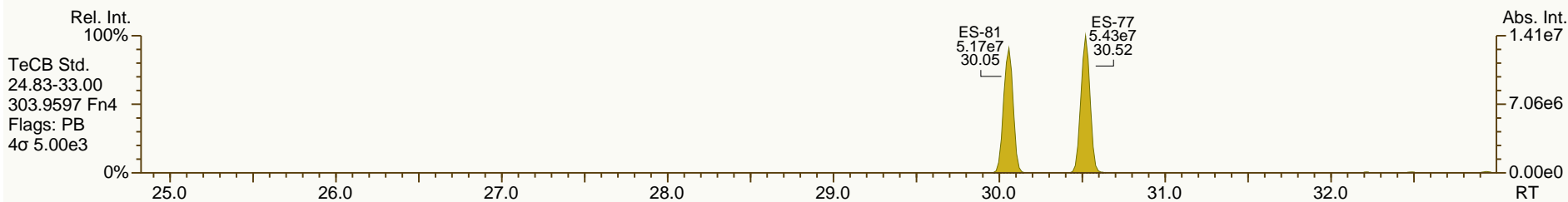
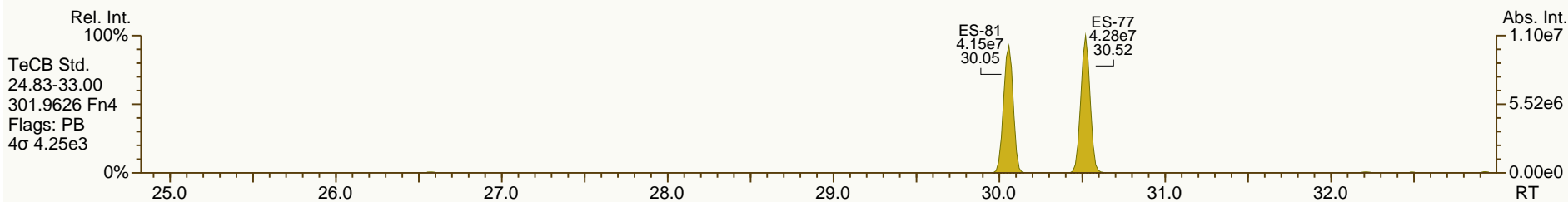
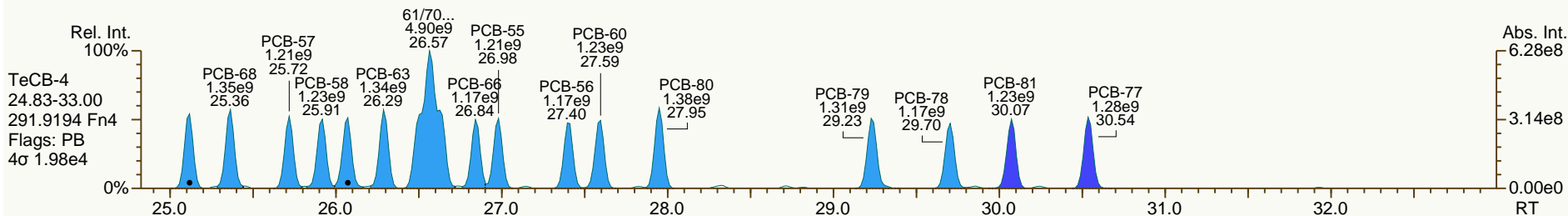
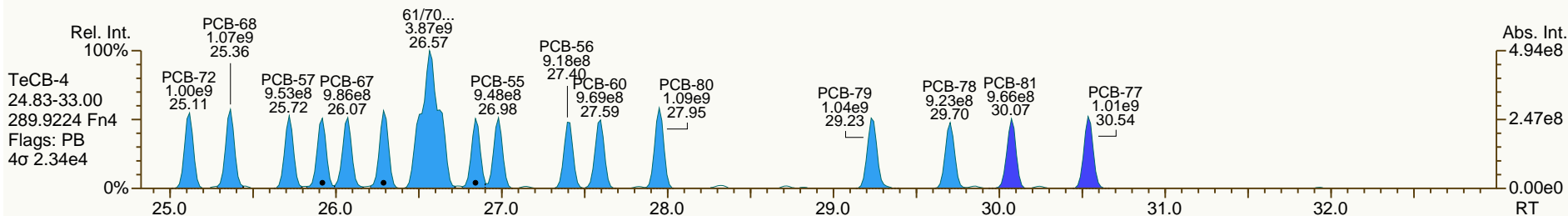
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AP Lab ID: CS5_120725_PCB_XB
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Sample ID: SIL 12-65-1
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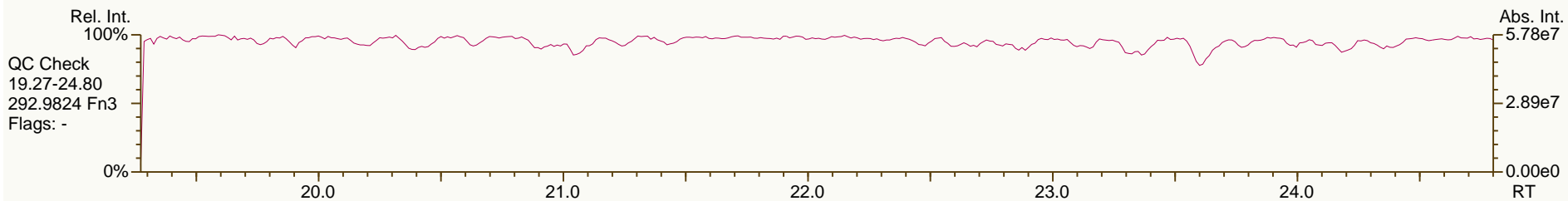
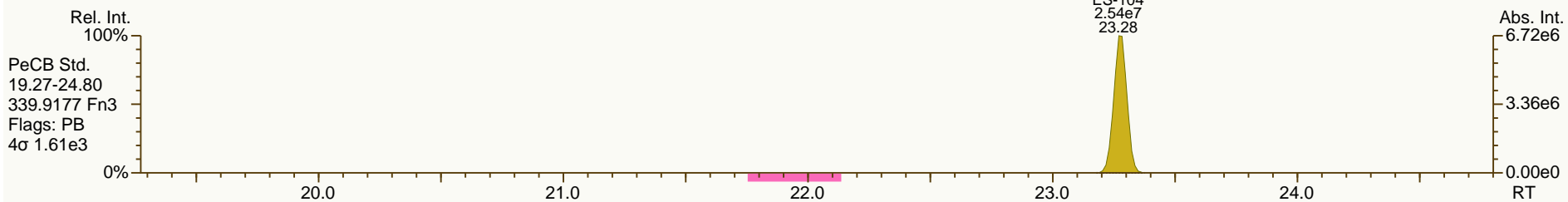
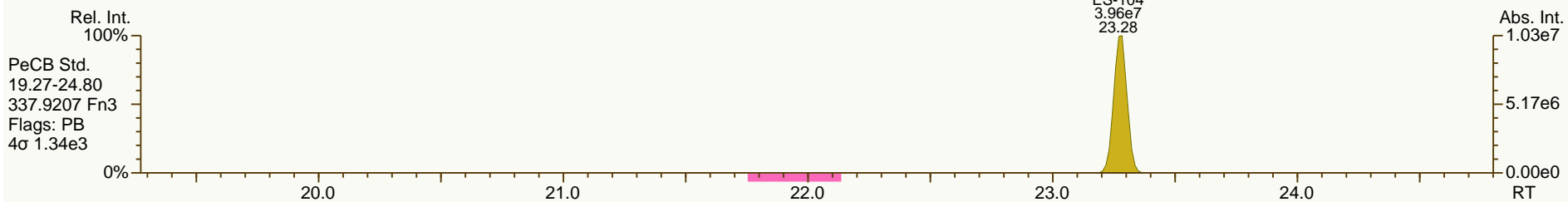
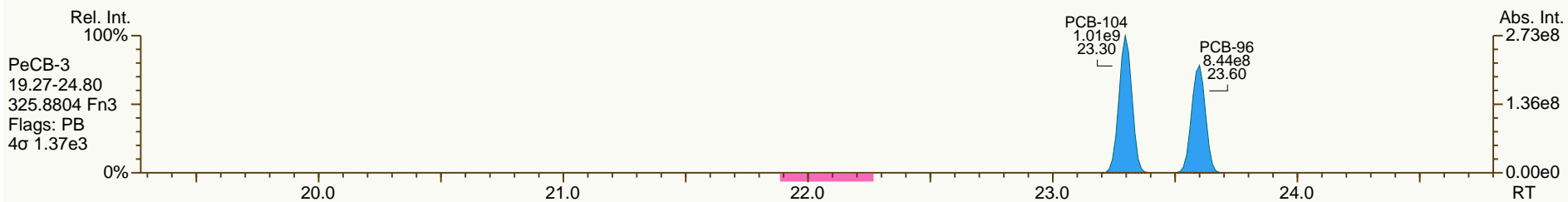
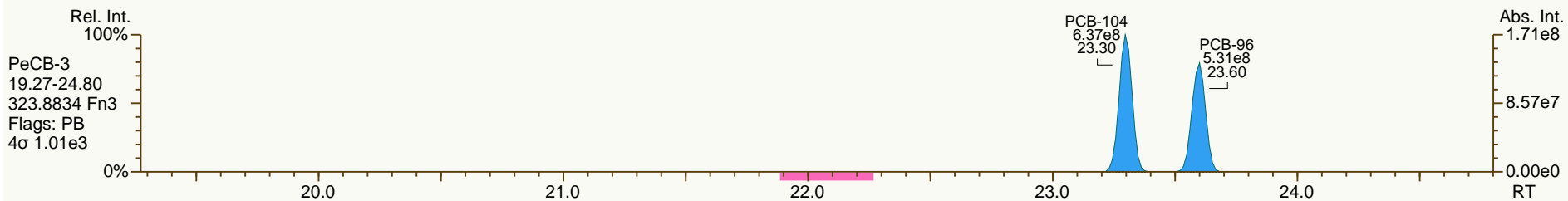
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
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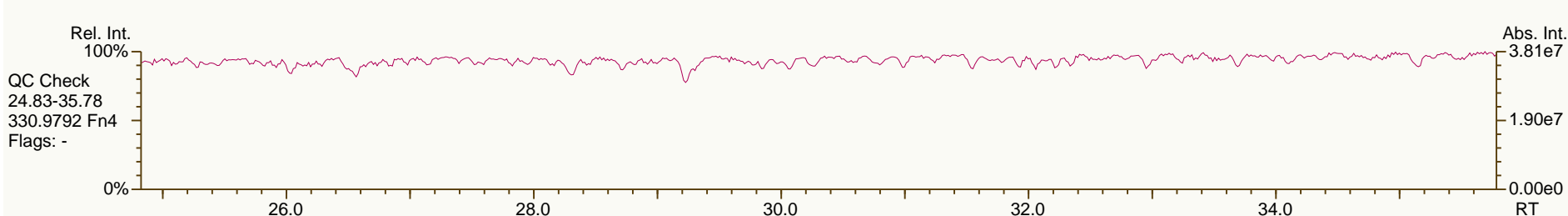
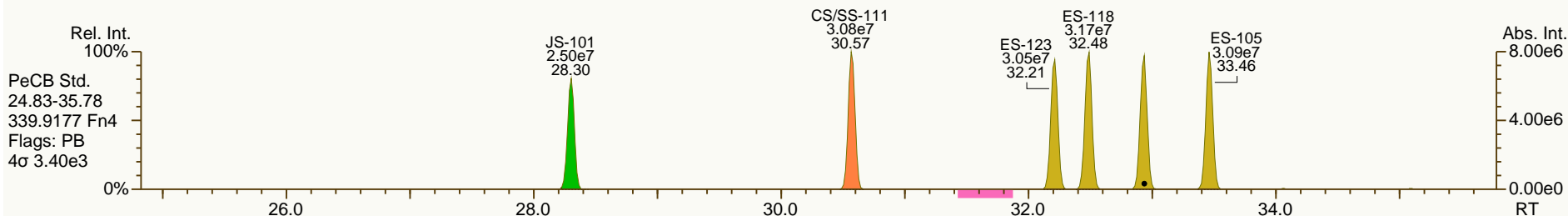
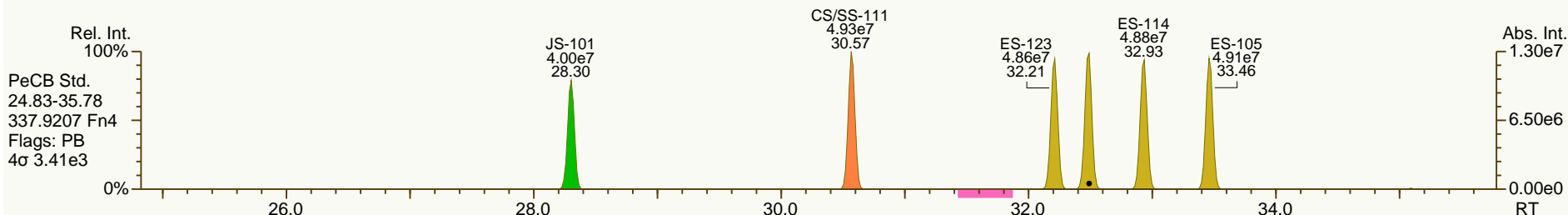
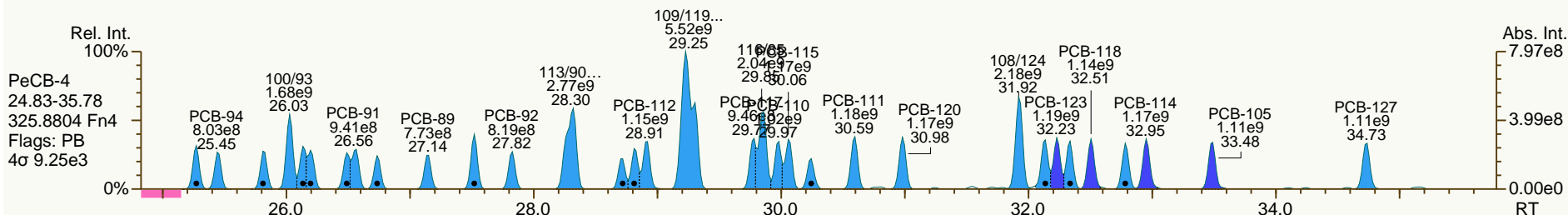
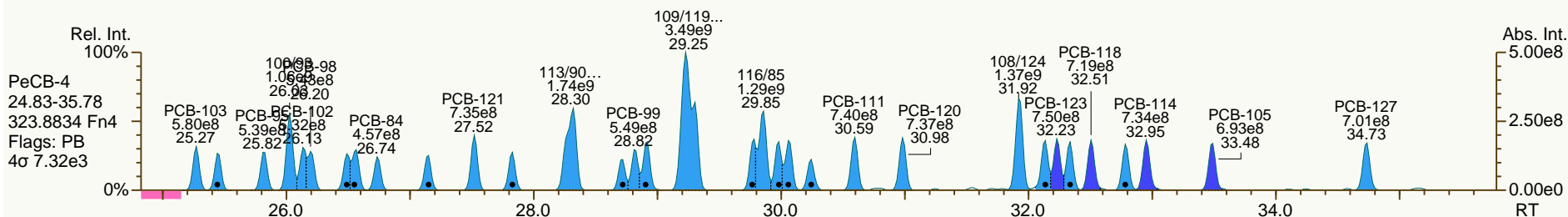
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AP Lab ID: CS5_120725_PCB_XB
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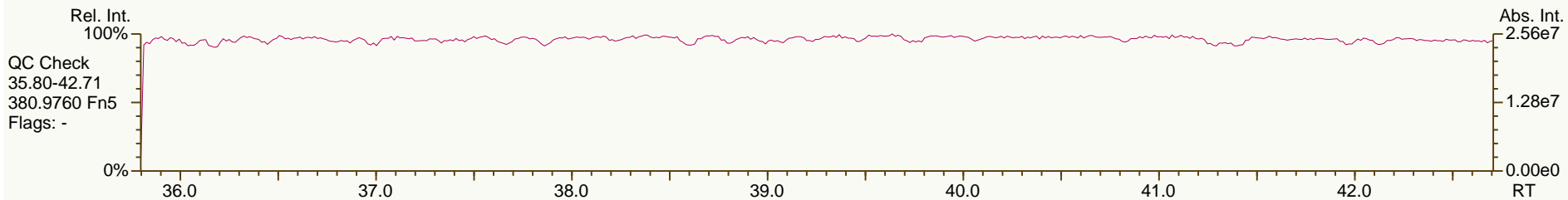
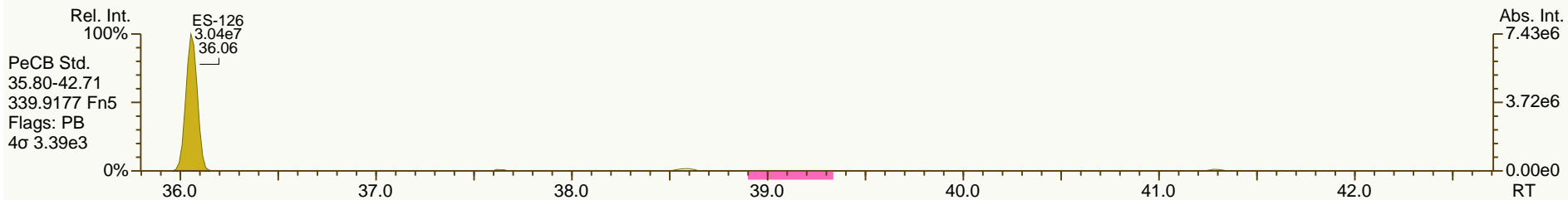
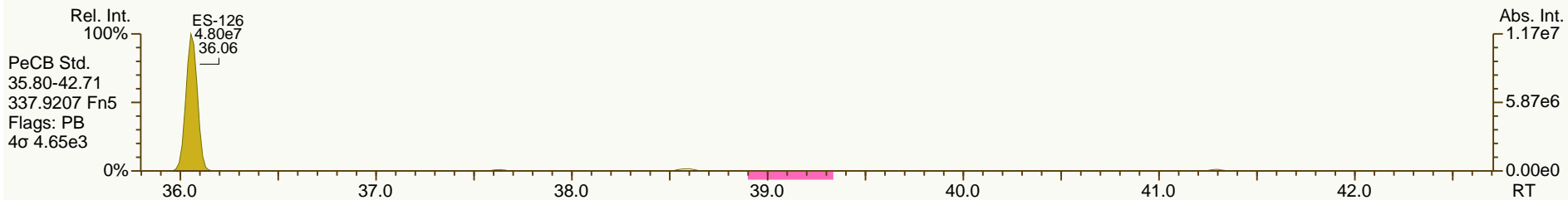
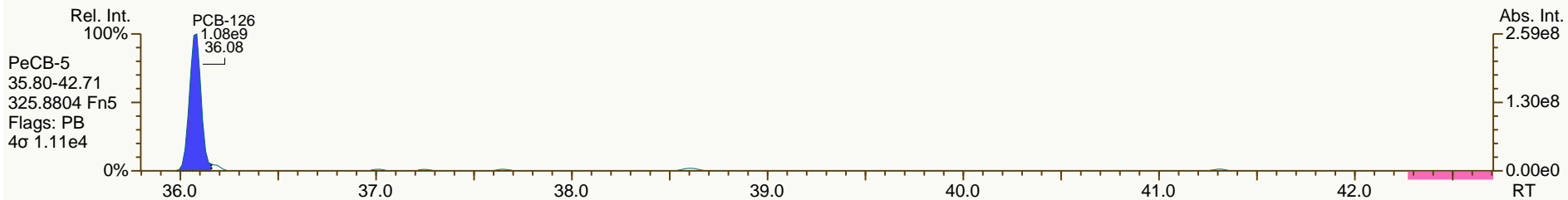
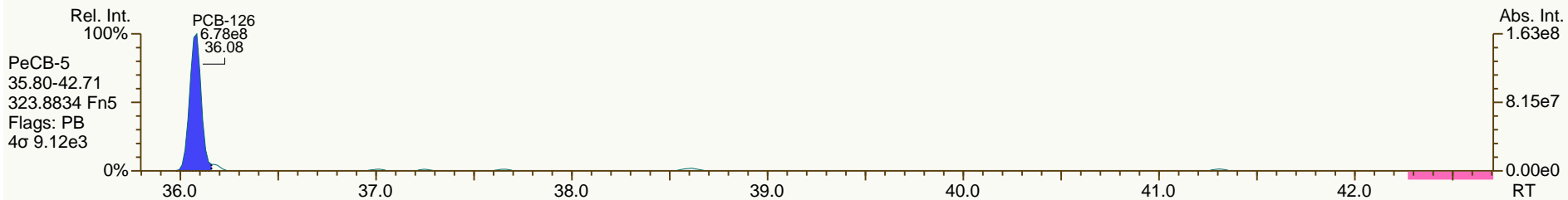
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AP Lab ID: CS5_120725_PCB_XB
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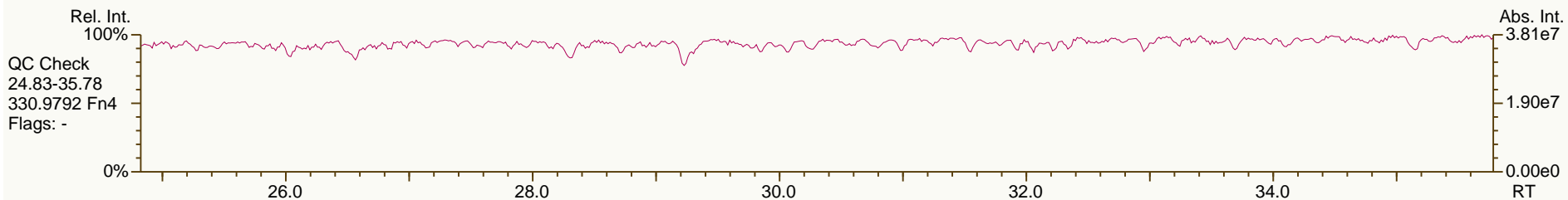
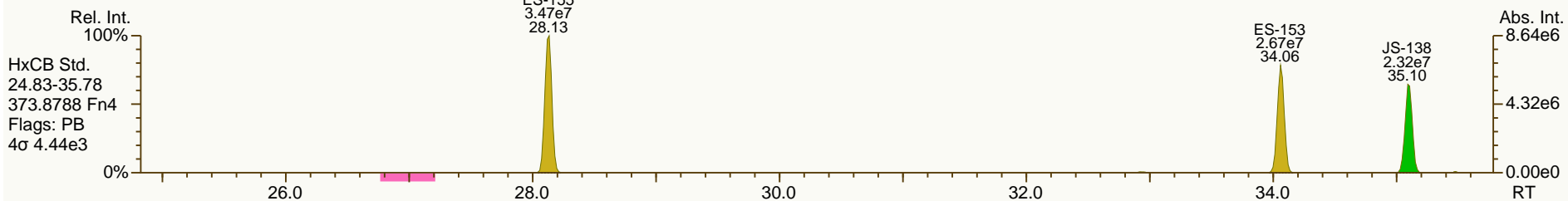
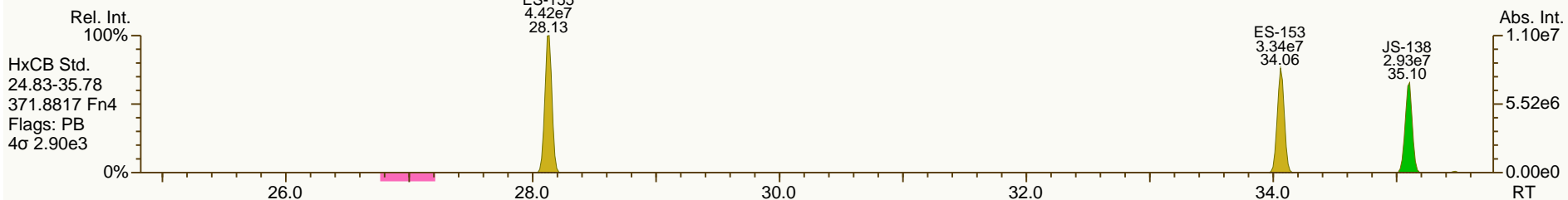
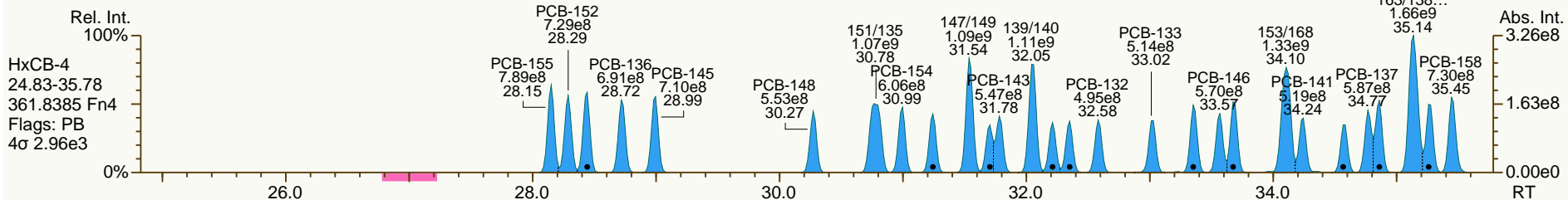
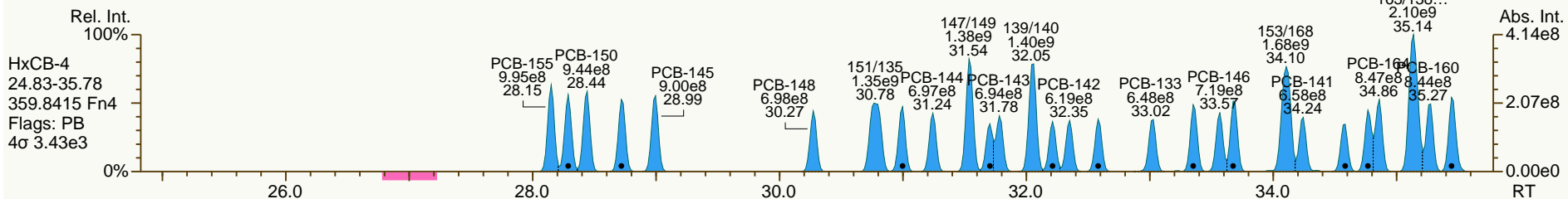
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 55

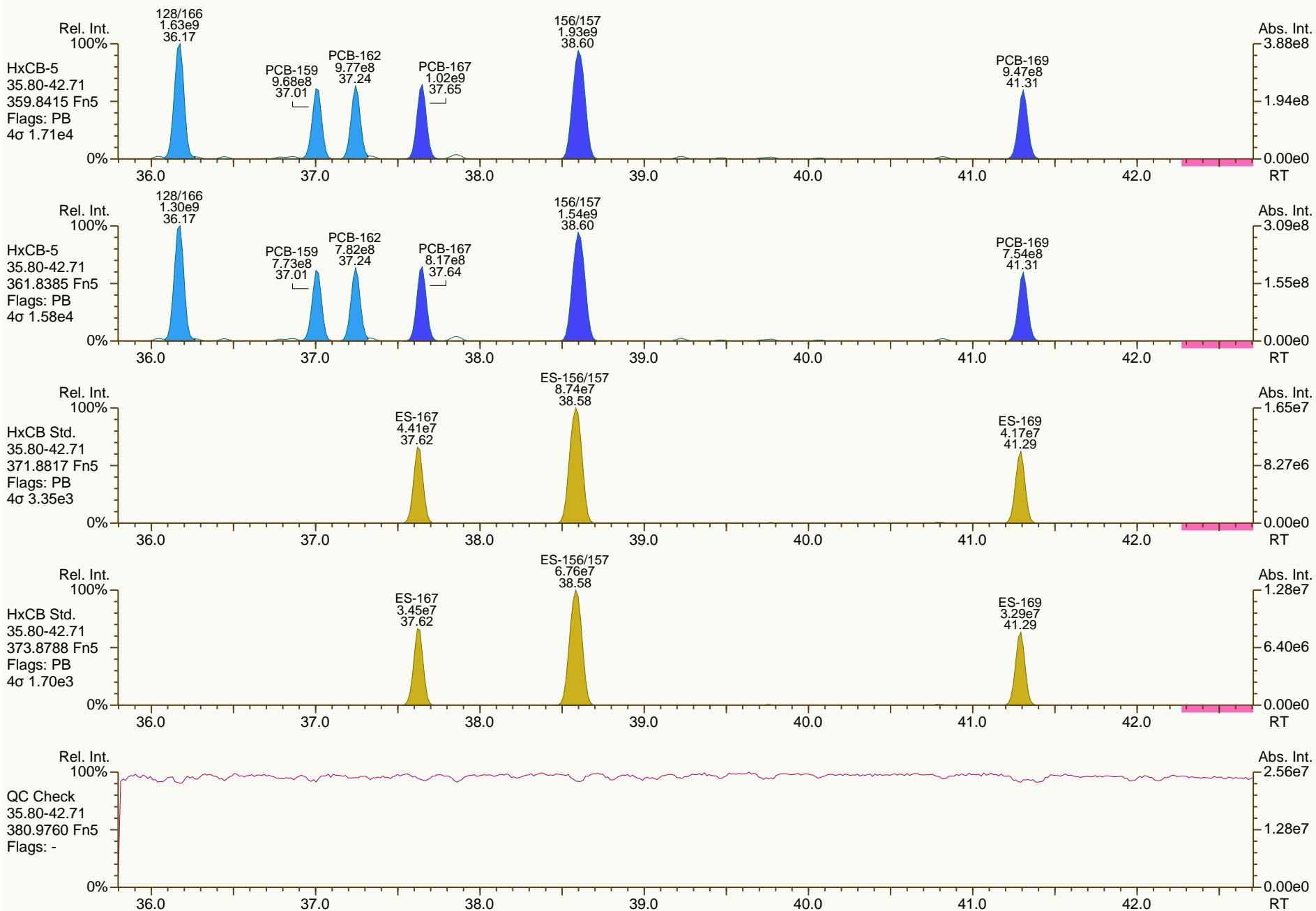
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AP Lab ID: CS5_120725_PCB_XB
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 12-65-1
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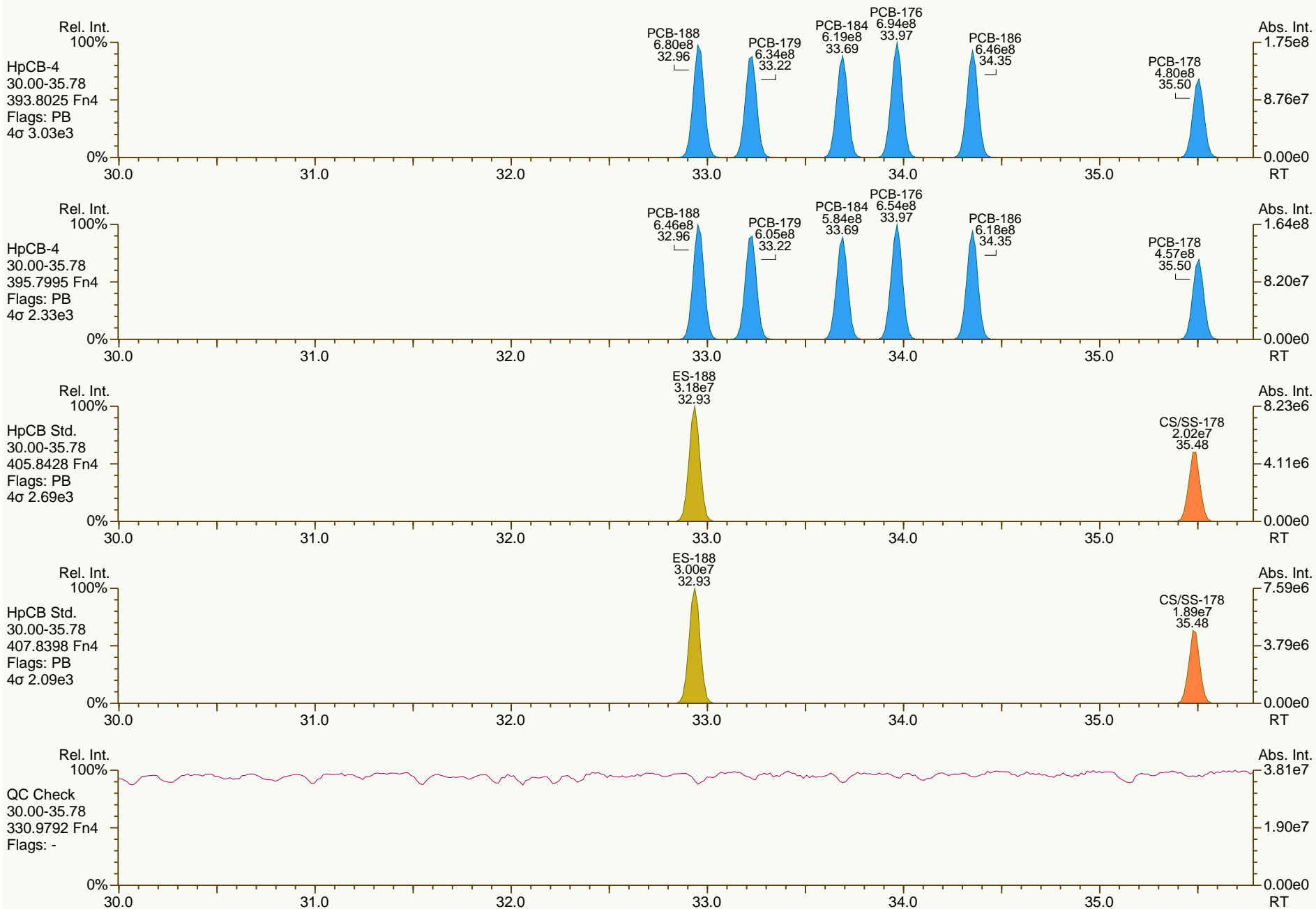
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AP Lab ID: CS5_120725_PCB_XB
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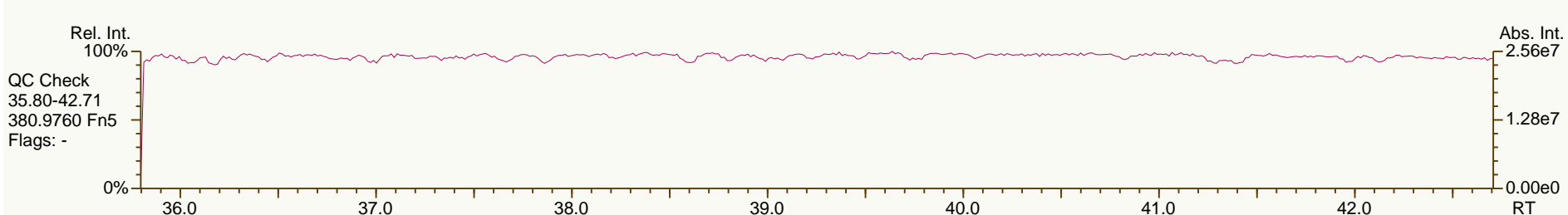
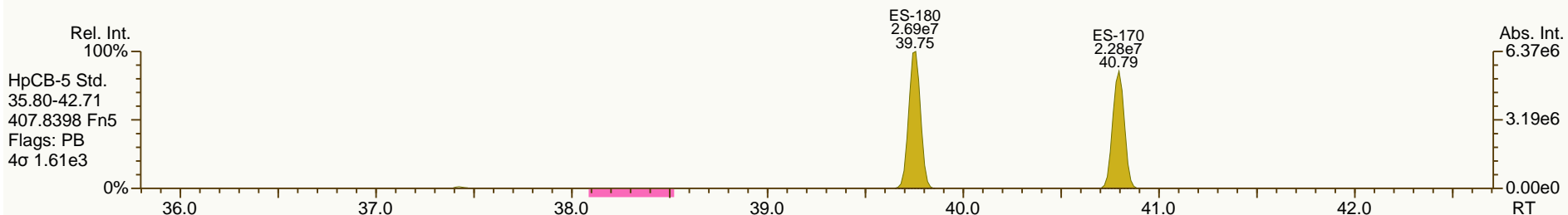
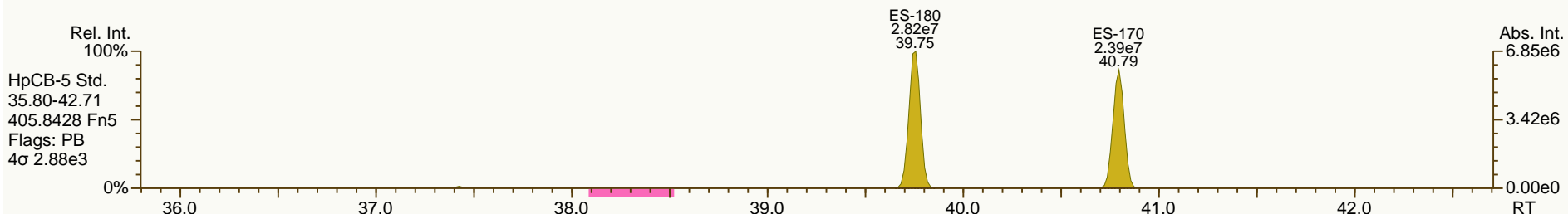
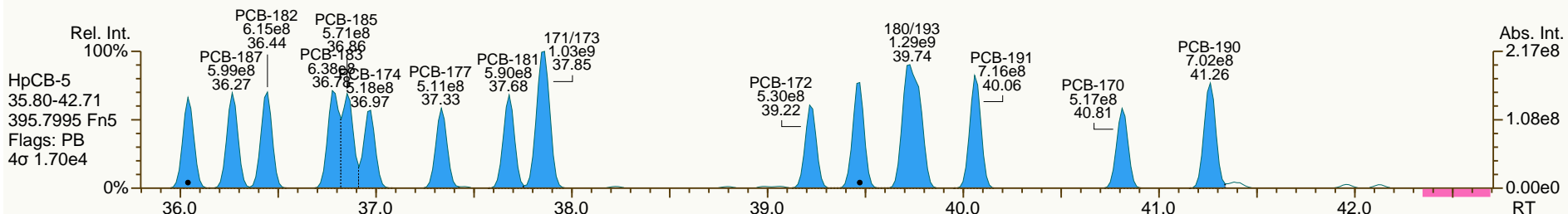
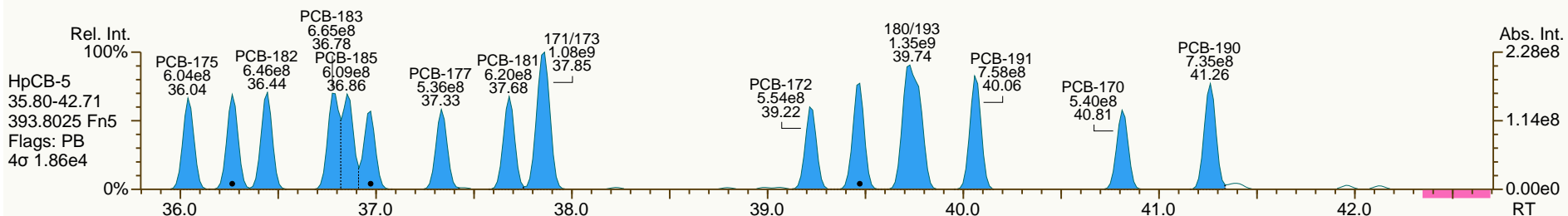
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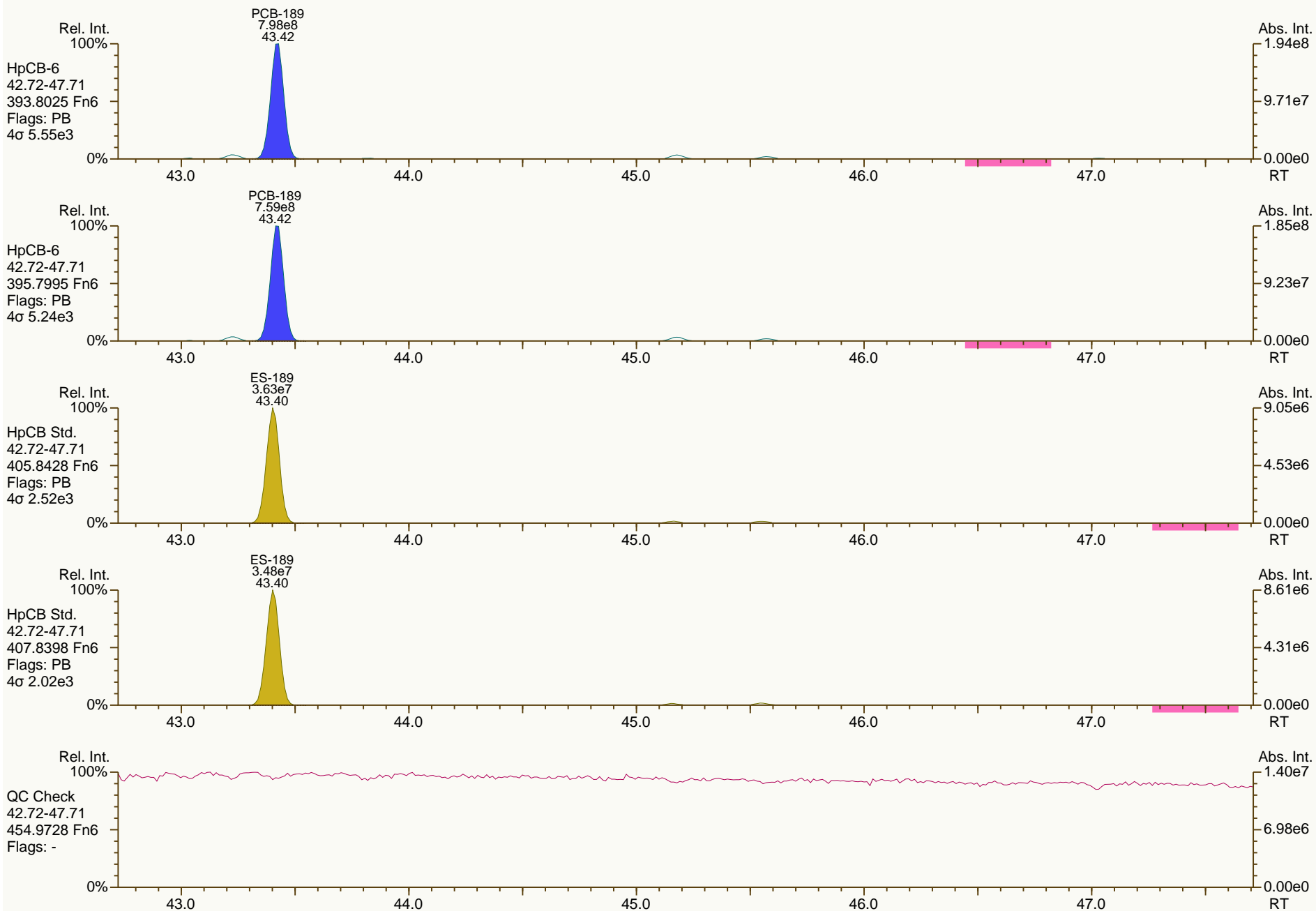
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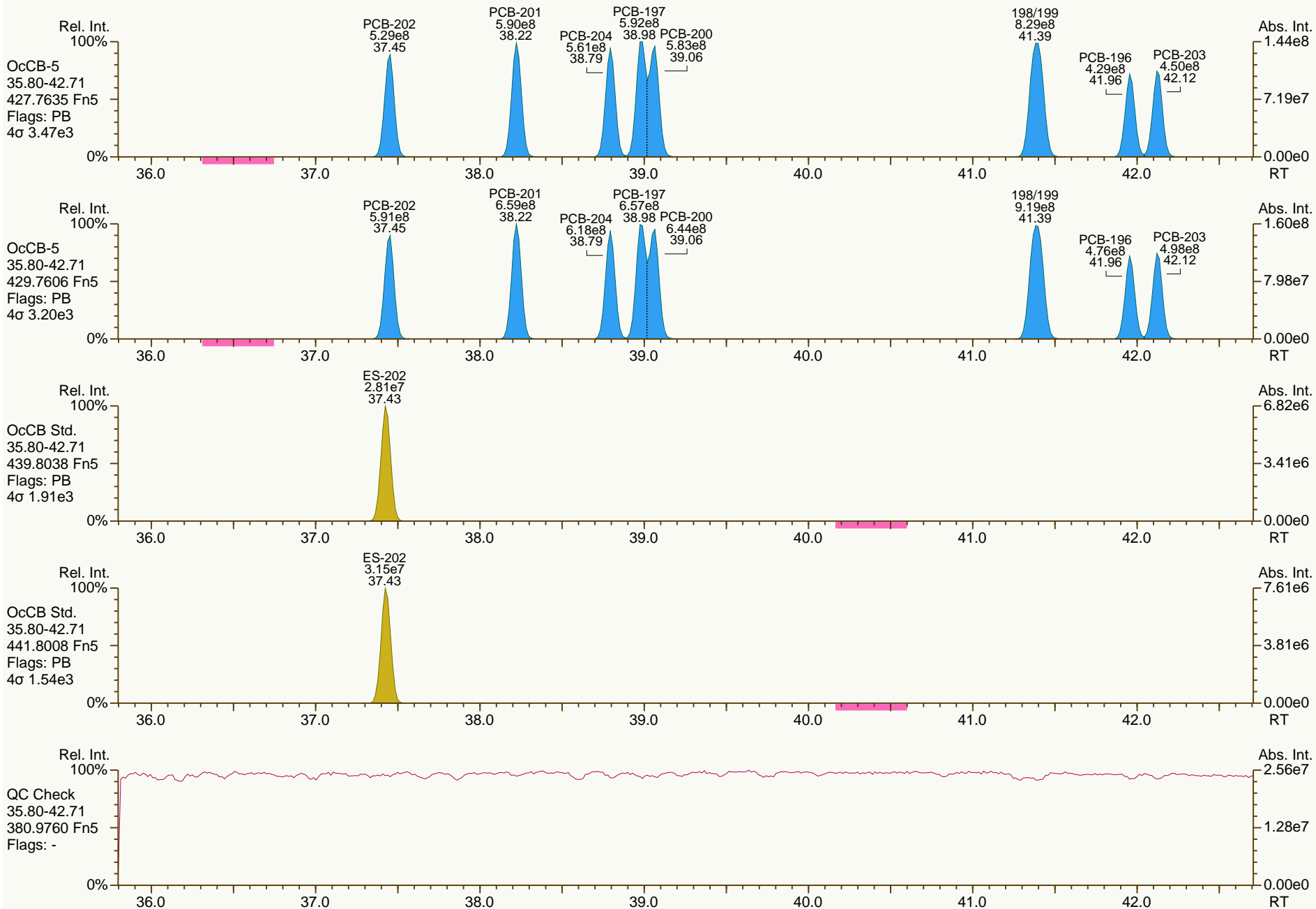
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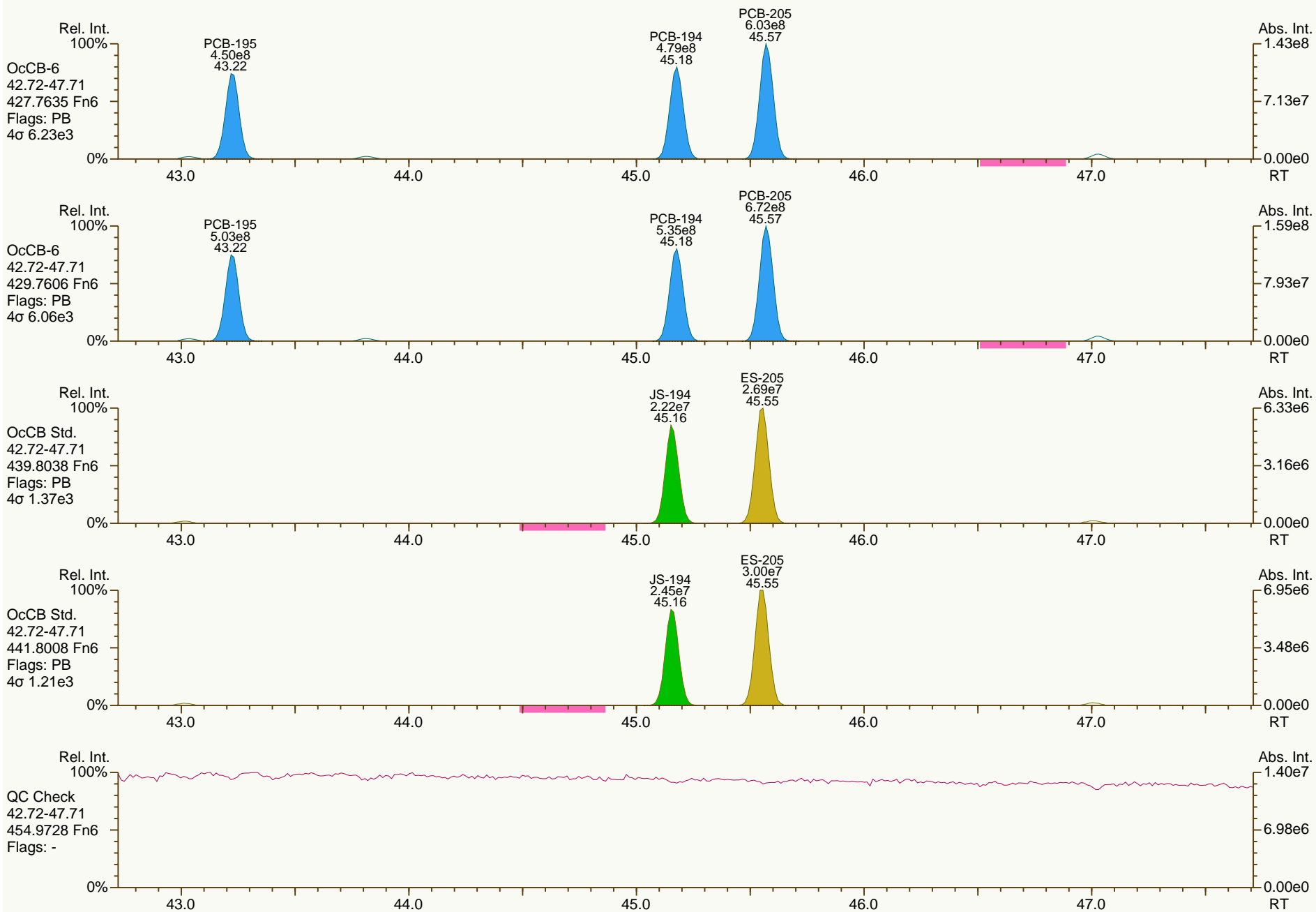
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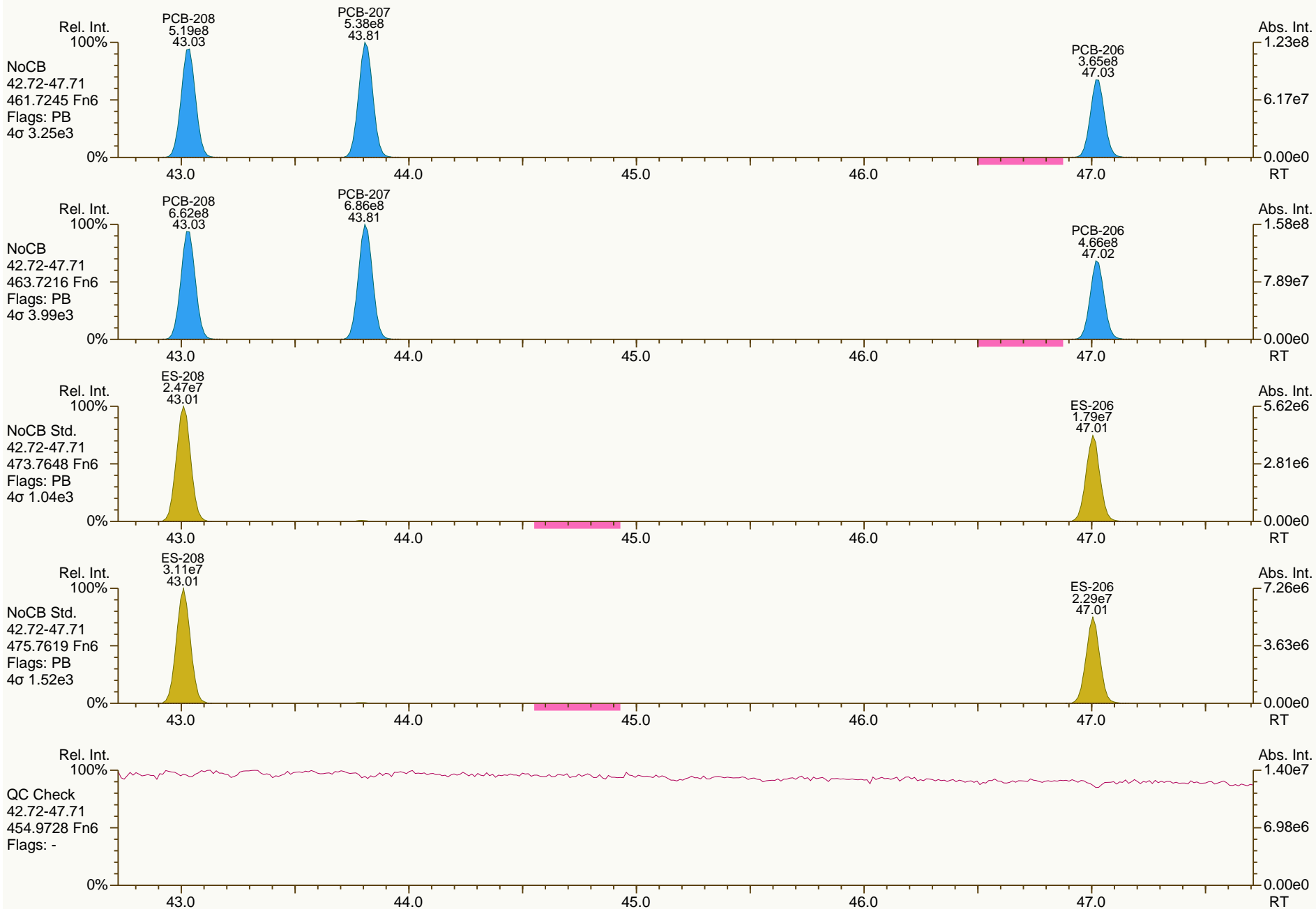
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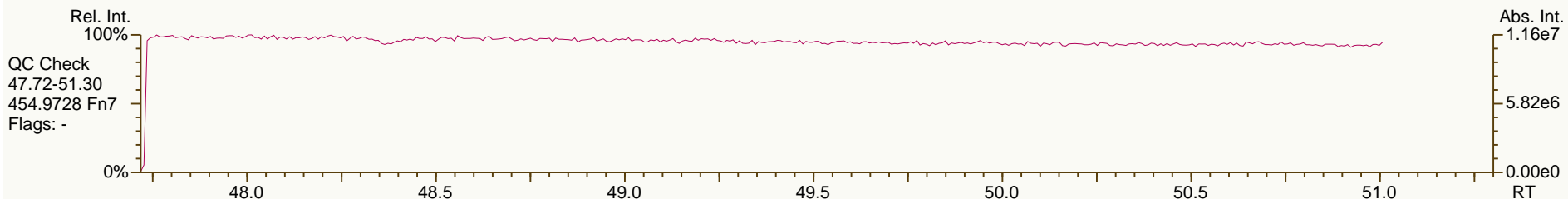
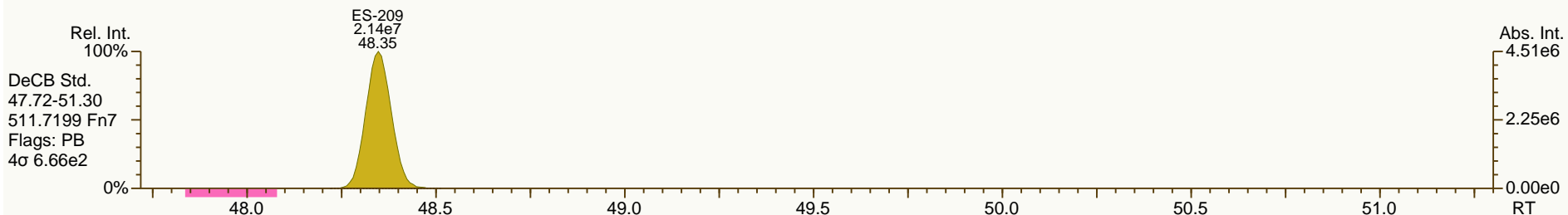
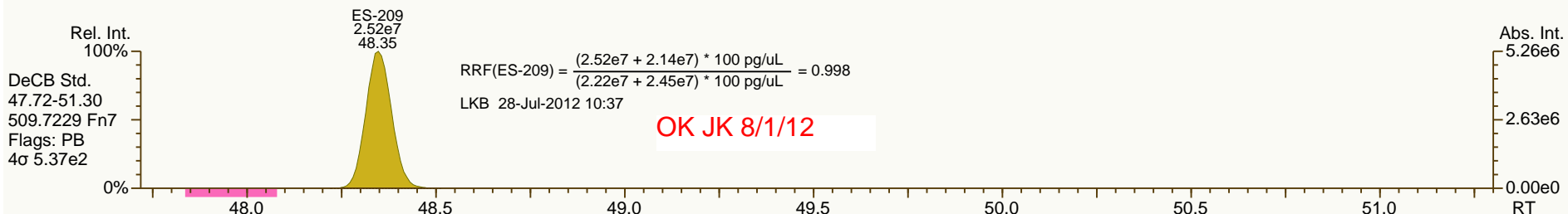
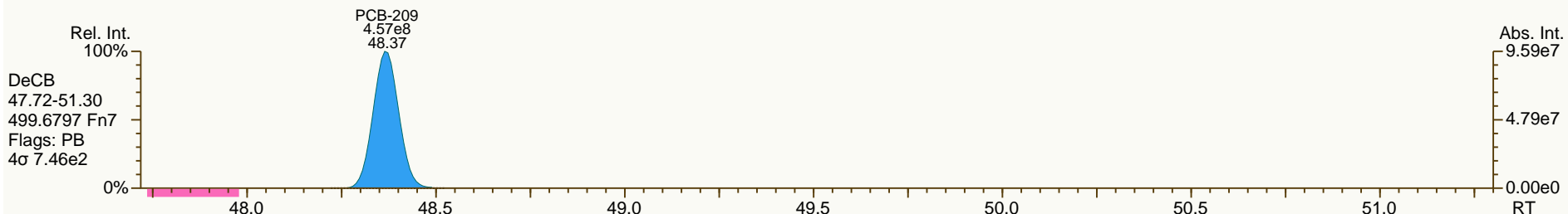
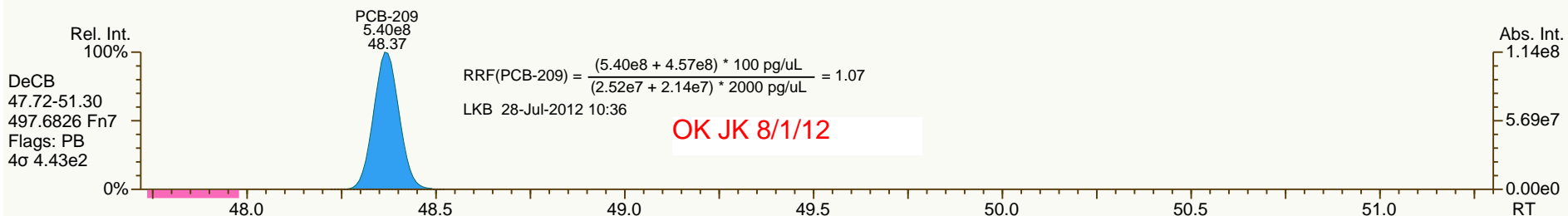
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Sample ID: SIL 12-65-1
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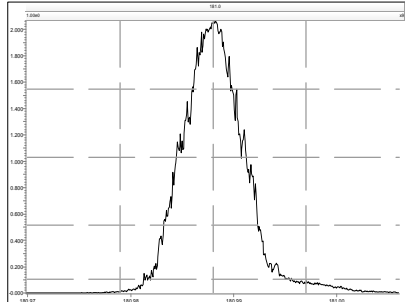


Resolution Check Report

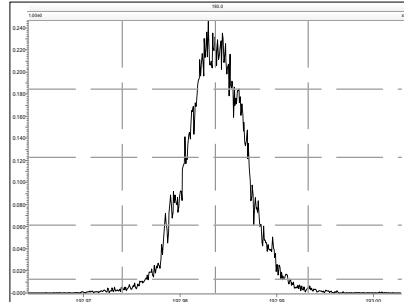
MassLynx 4.1 SCN 881

Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

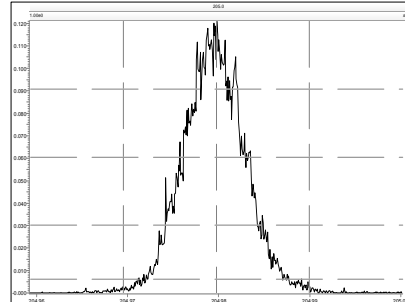
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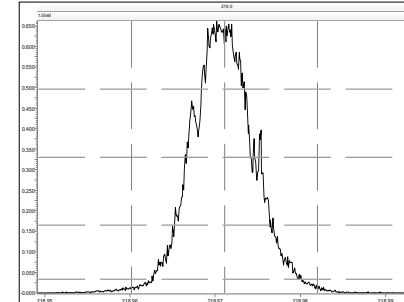
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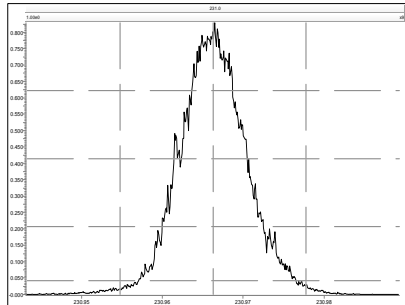
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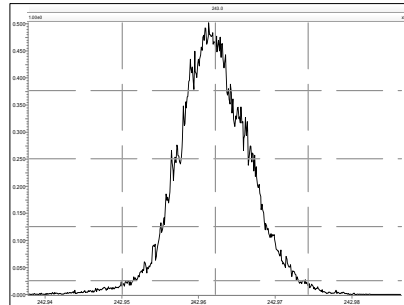
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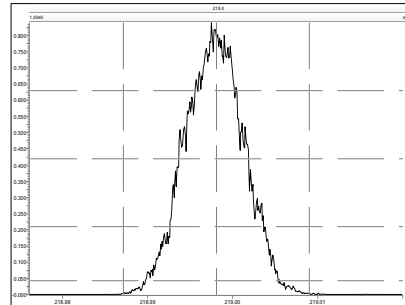
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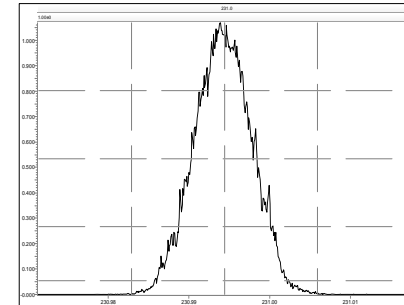
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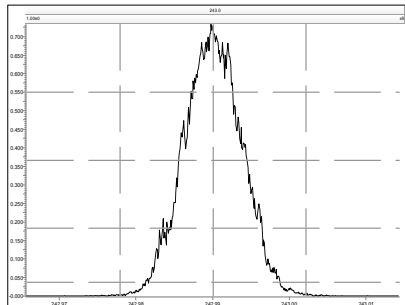
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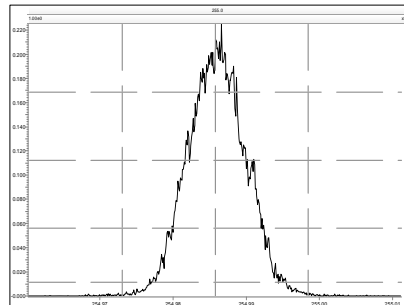
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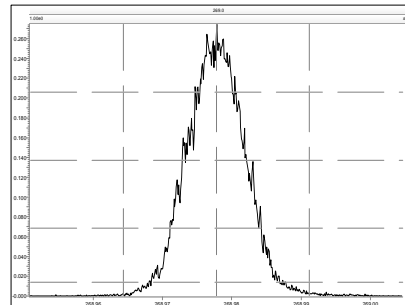
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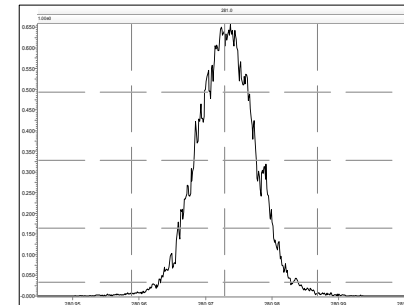
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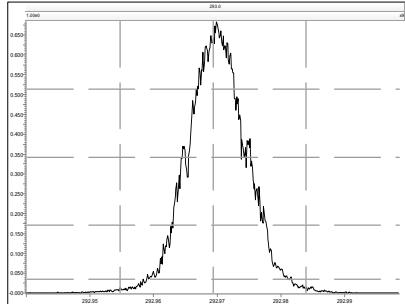


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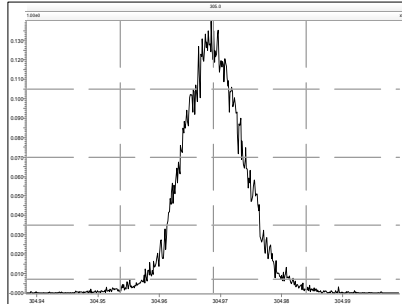
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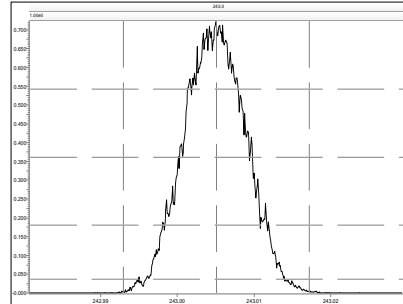
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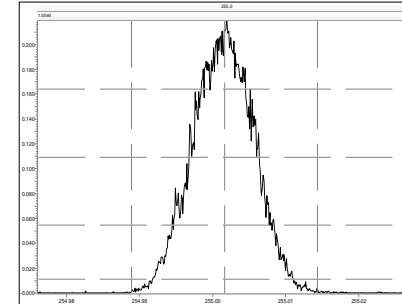
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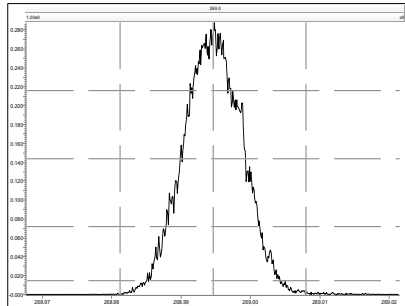
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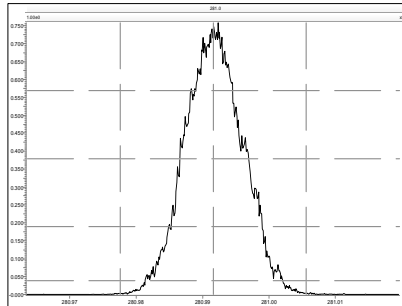
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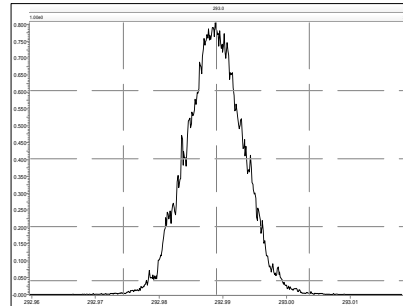
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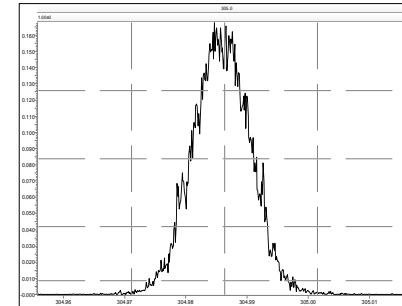
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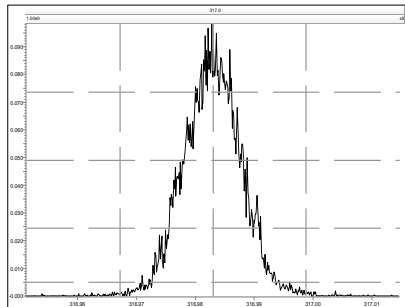
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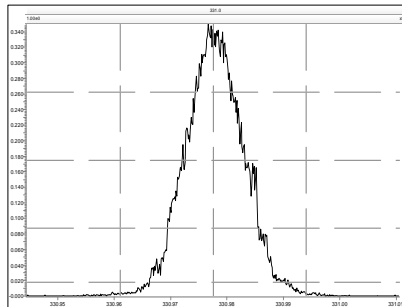
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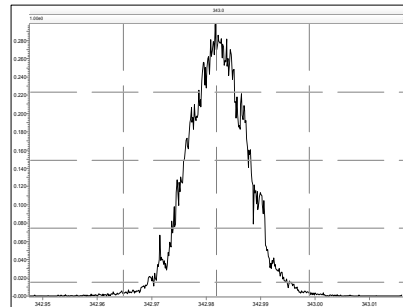
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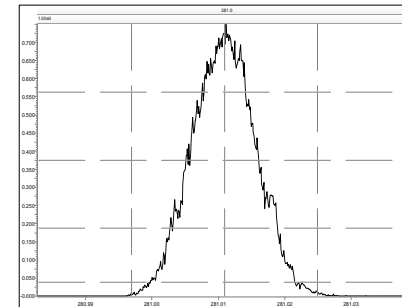
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M 342.9792 R 13459



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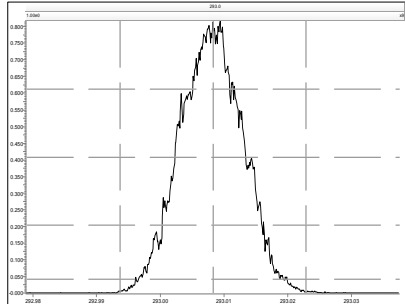


Resolution Check Report

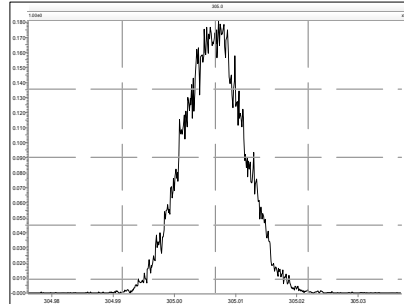
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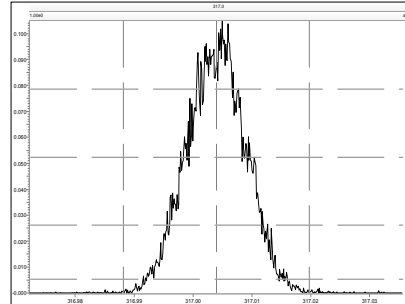
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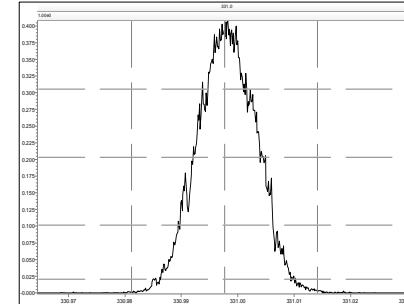
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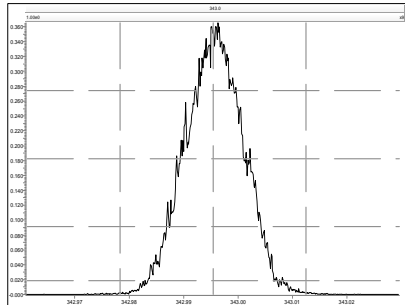
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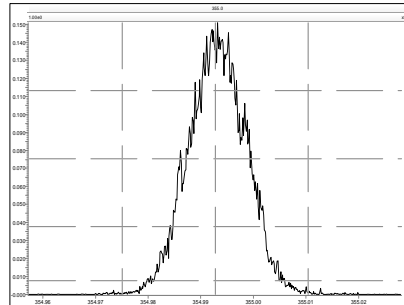
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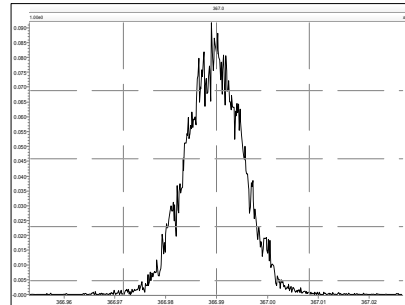
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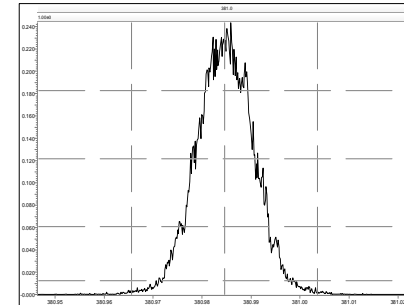
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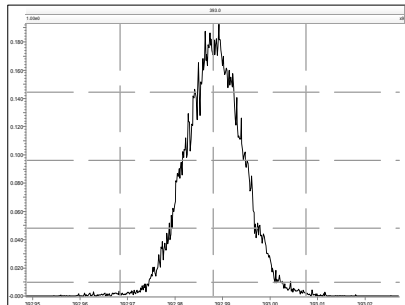
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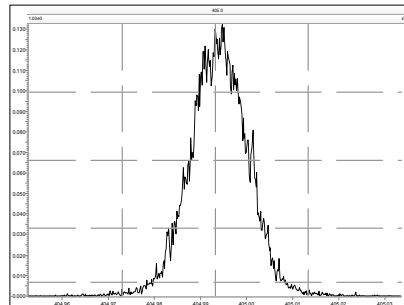
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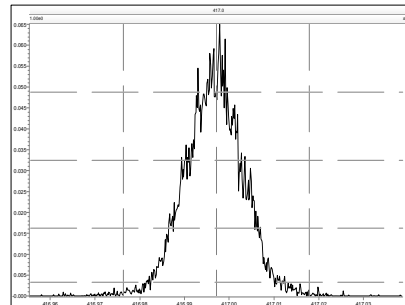
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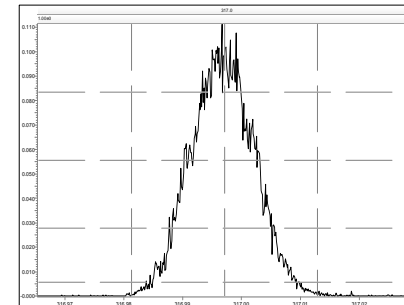
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M 416.9760 R 14398



M 316.9824 R 13619

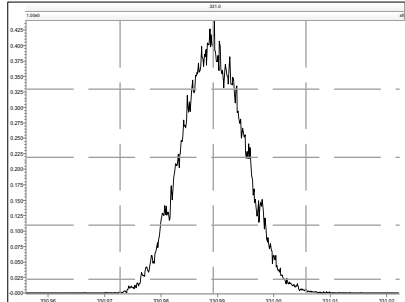


Resolution Check Report

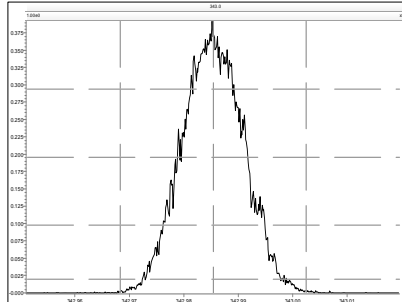
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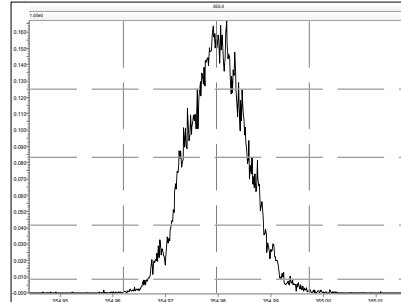
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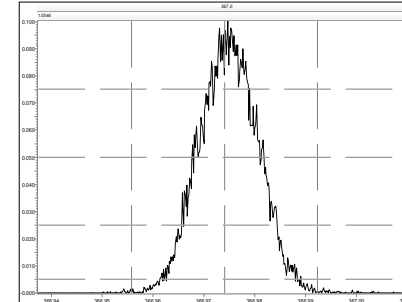
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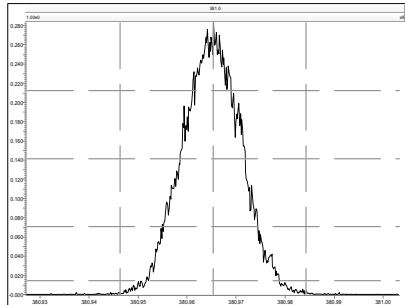
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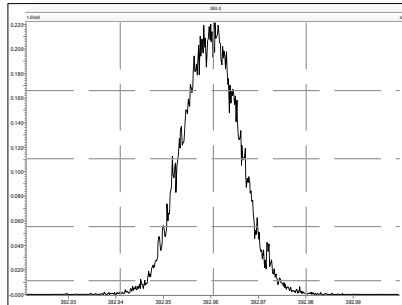
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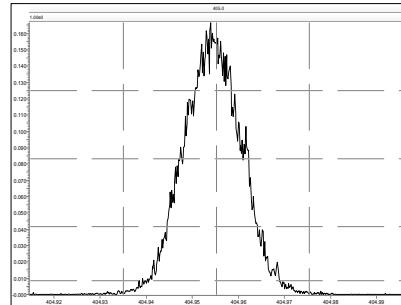
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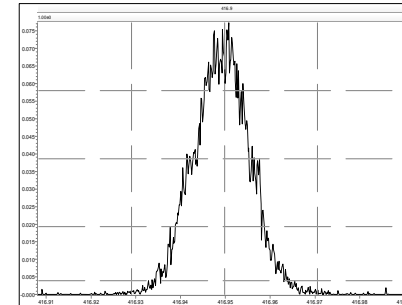
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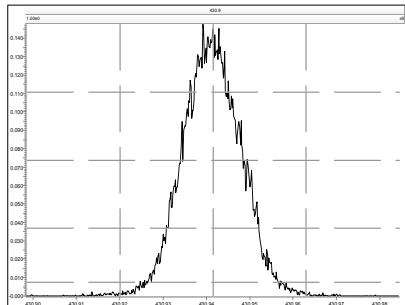
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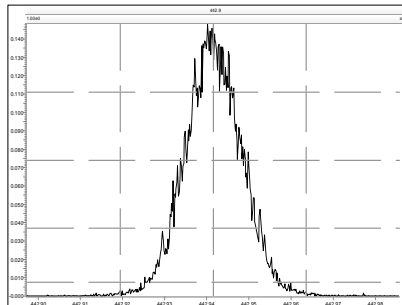
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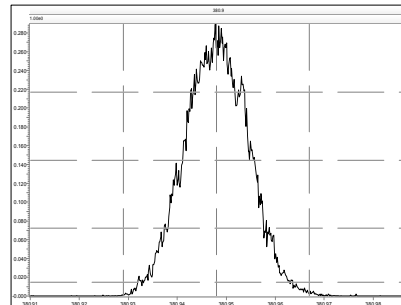
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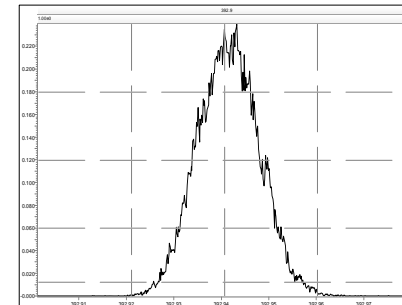
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M 380.9760 R 12598



M 392.9760 R 12991

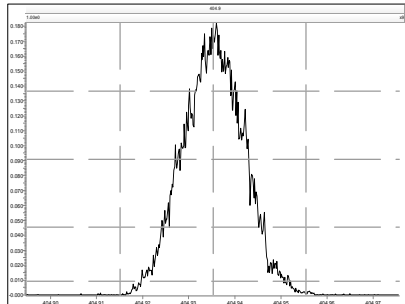


Resolution Check Report

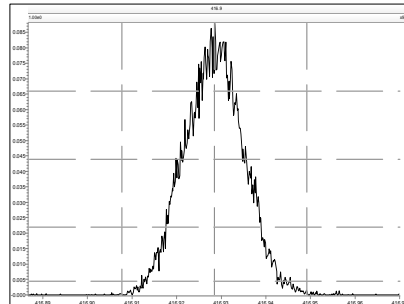
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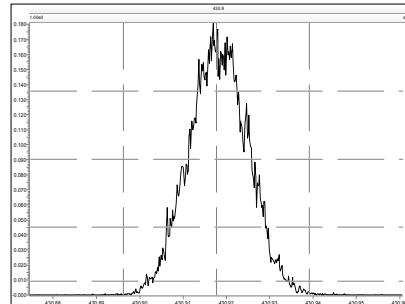
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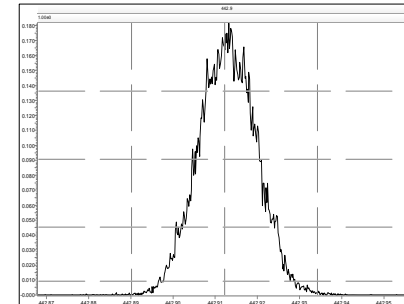
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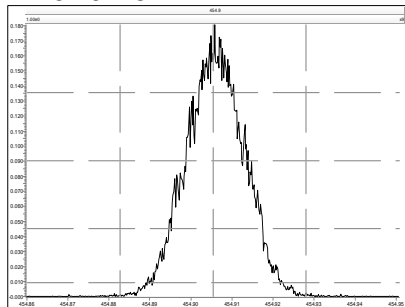
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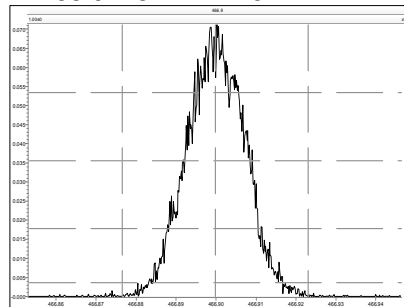
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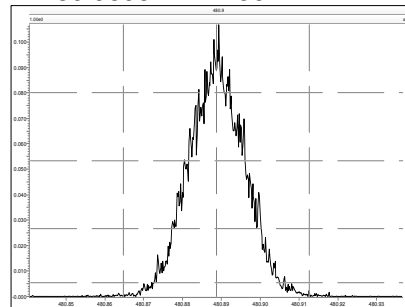
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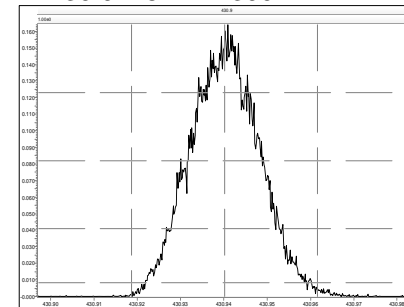
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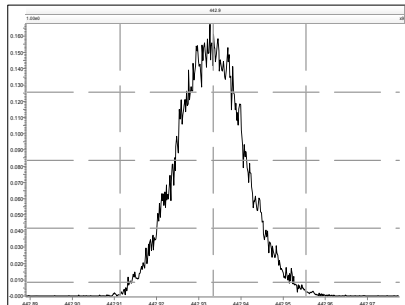
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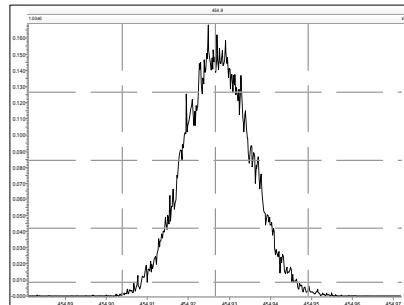
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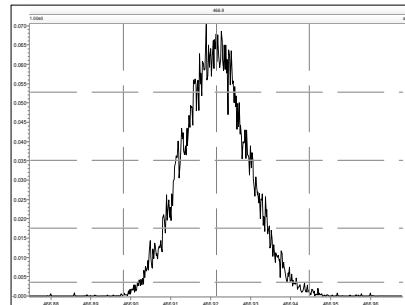
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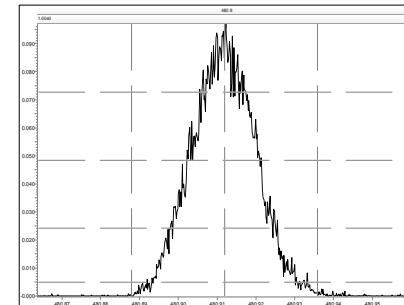
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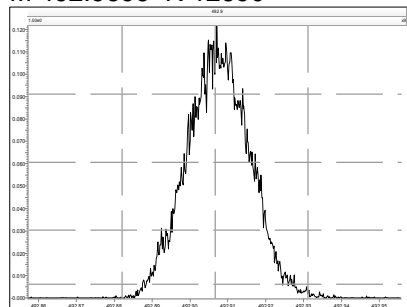


Resolution Check Report

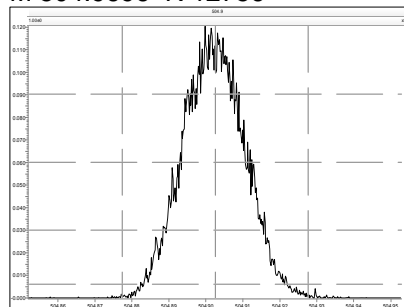
MassLynx 4.1 SCN 881

Printed: Wednesday, July 25, 2012 22:29:00 Eastern Daylight Time

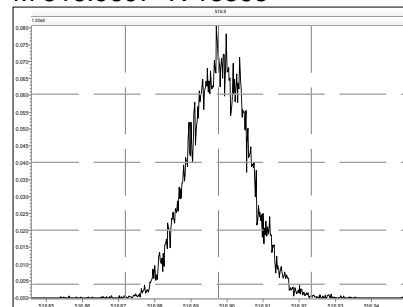
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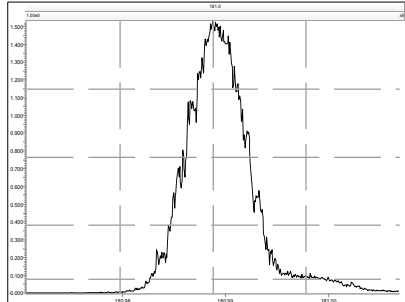


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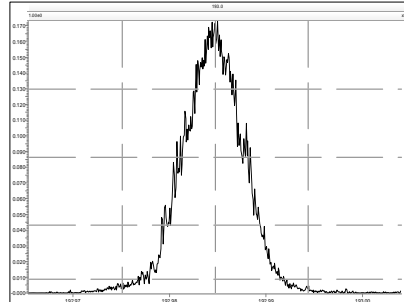
MassLynx 4.1 SCN 881

Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

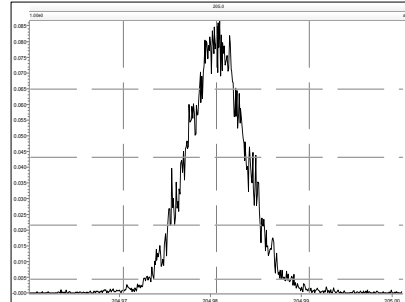
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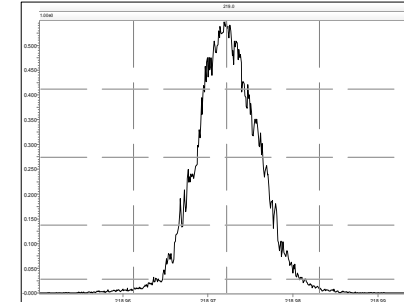
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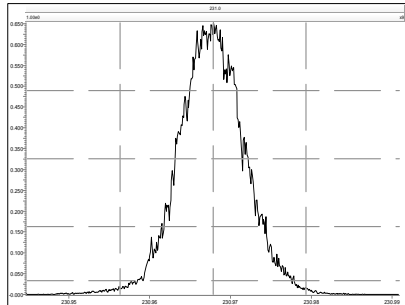
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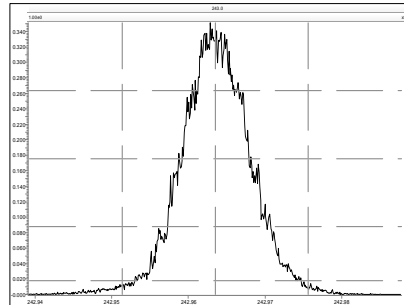
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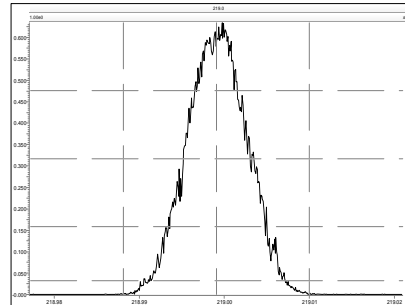
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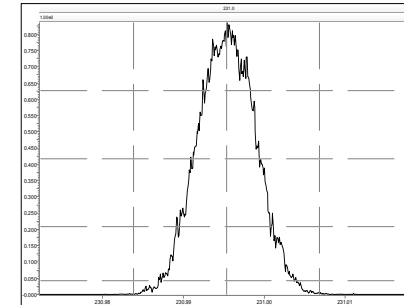
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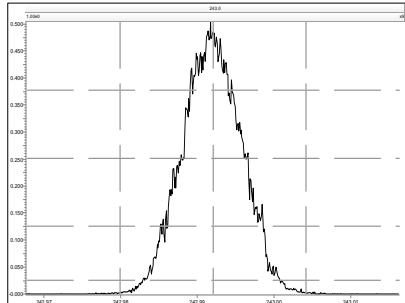
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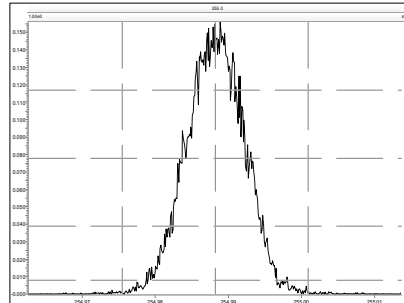
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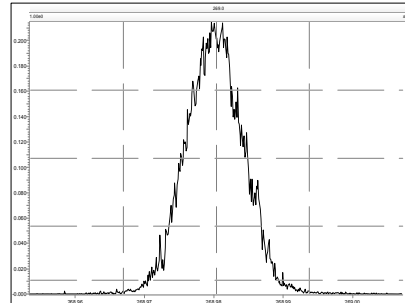
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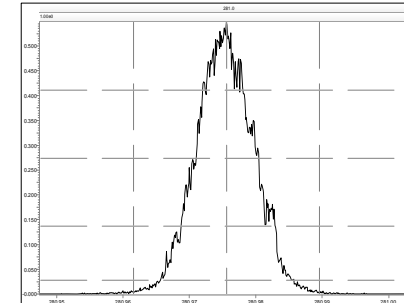
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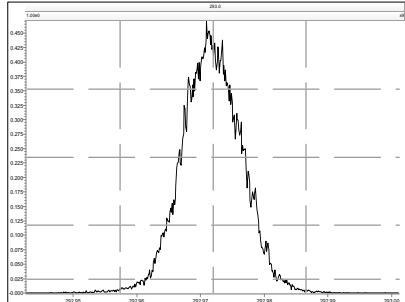


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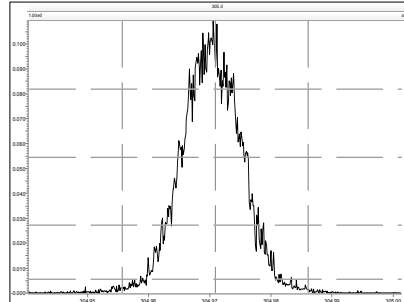
MassLynx 4.1 SCN 881

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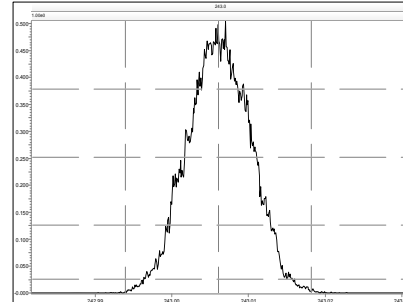
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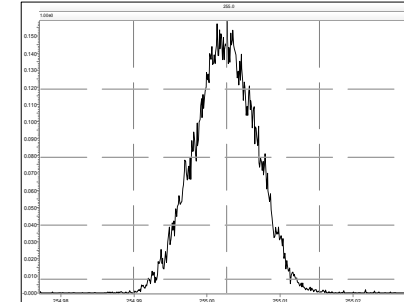
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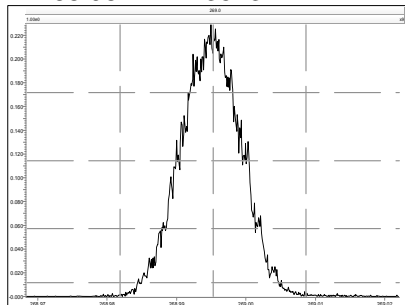
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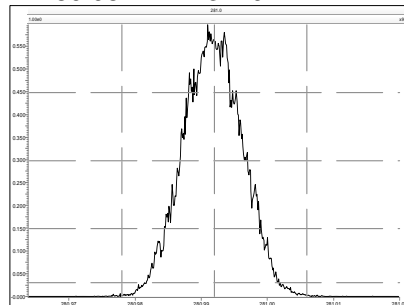
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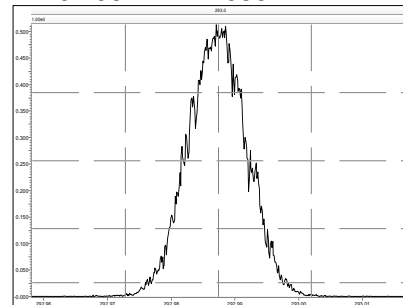
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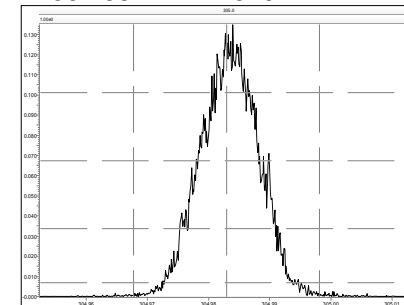
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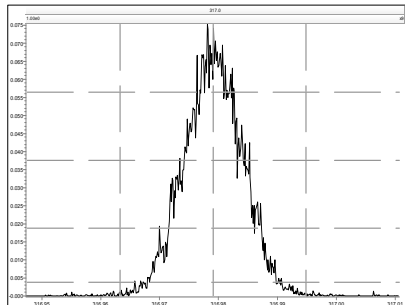
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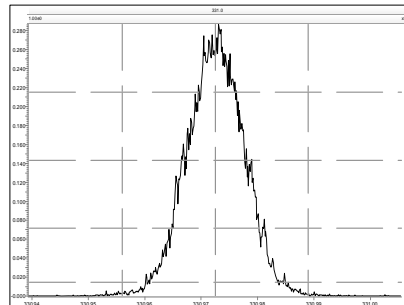
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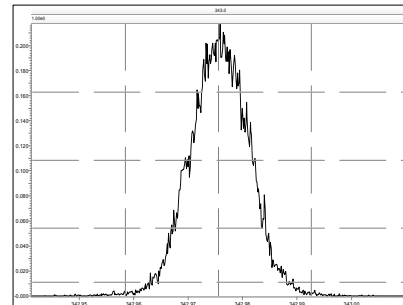
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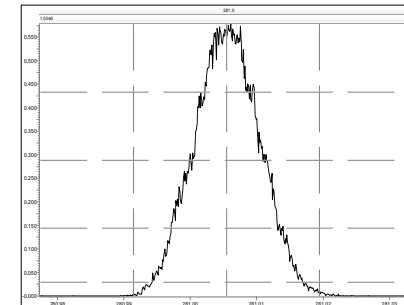
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M 342.9792 R 14097



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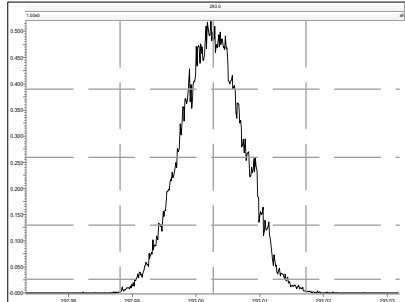


Resolution Check Report

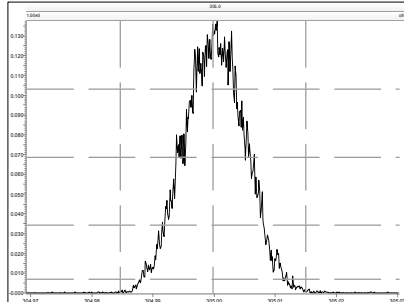
MassLynx 4.1 SCN 881

Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

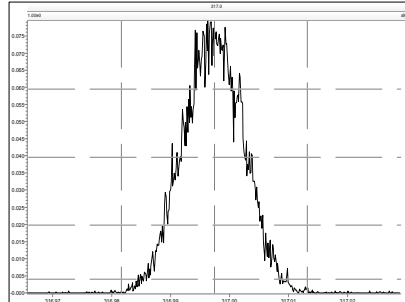
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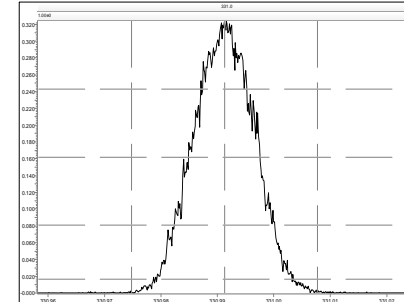
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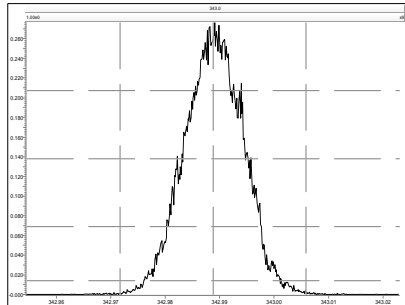
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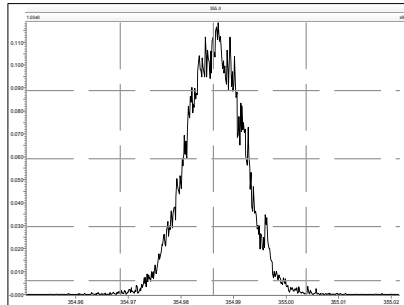
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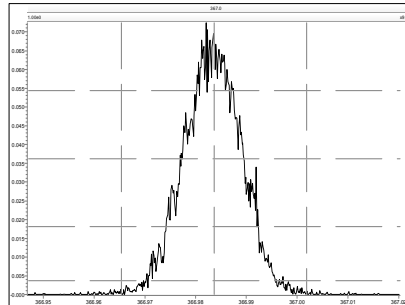
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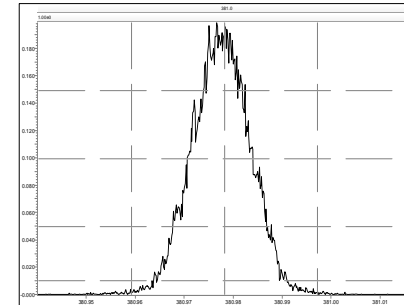
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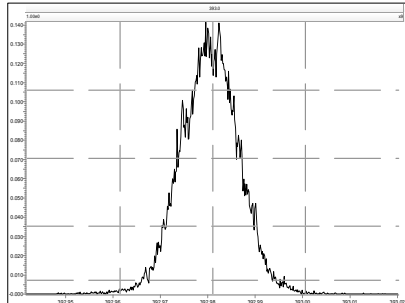
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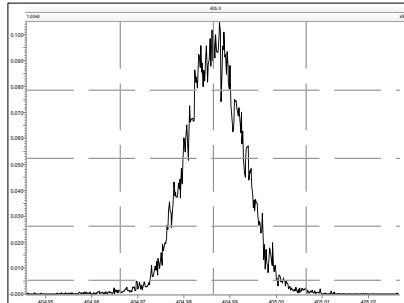
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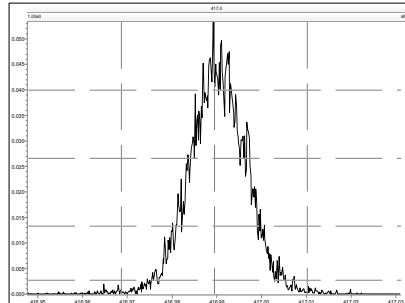
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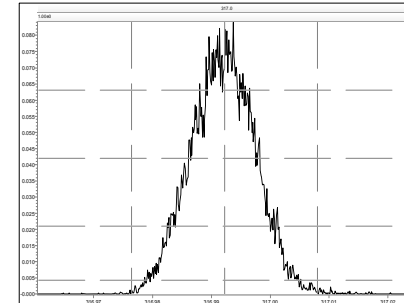
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M 416.9760 R 14384



M 316.9824 R 12383

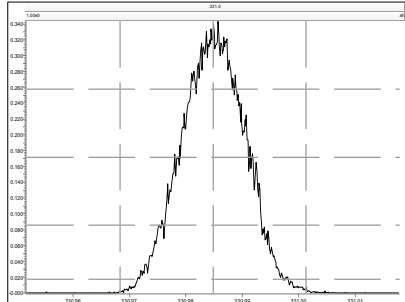


Resolution Check Report

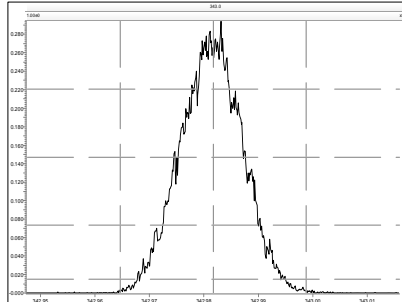
MassLynx 4.1 SCN 881

Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

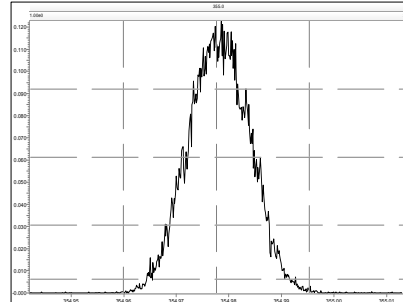
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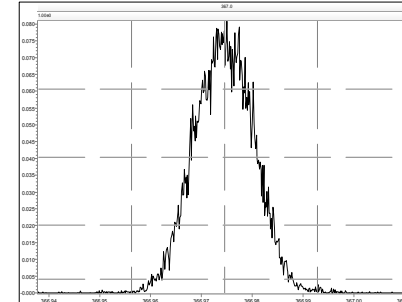
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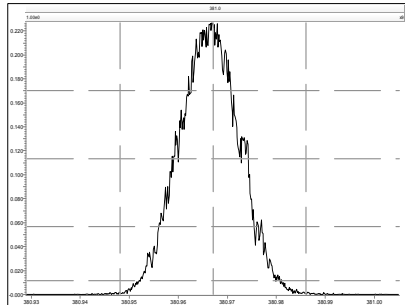
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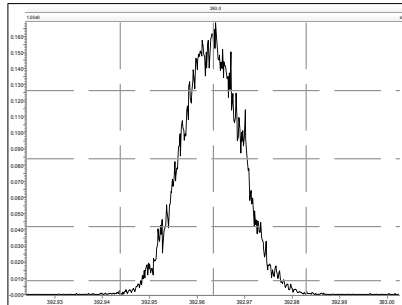
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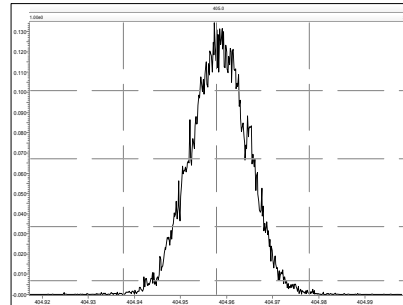
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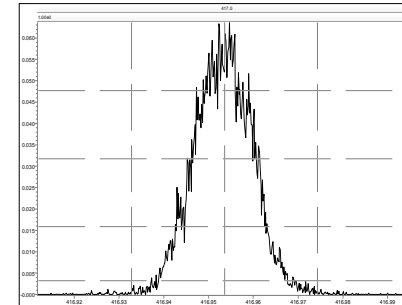
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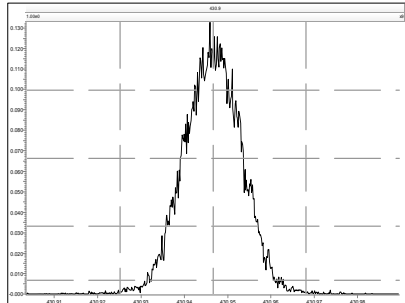
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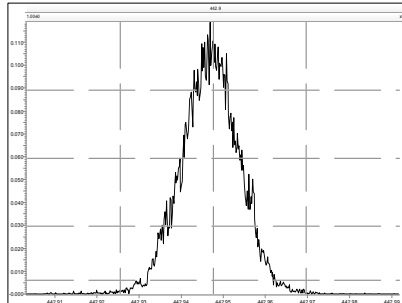
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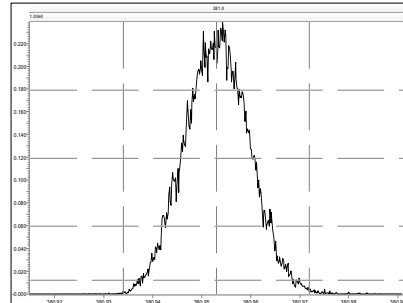
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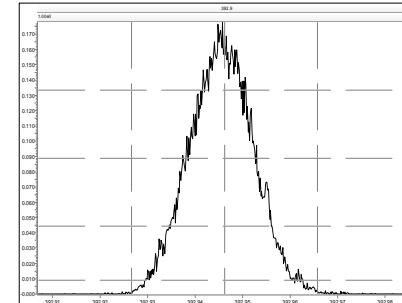
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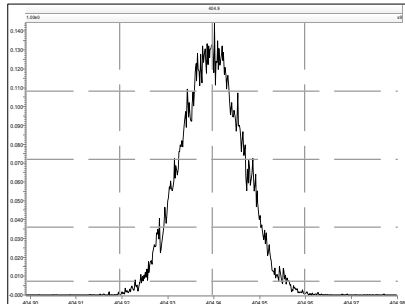


Resolution Check Report

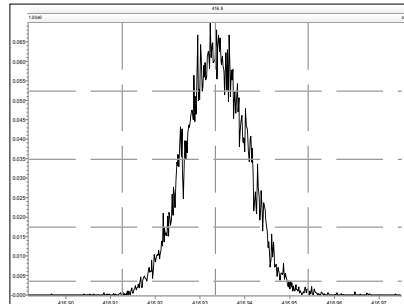
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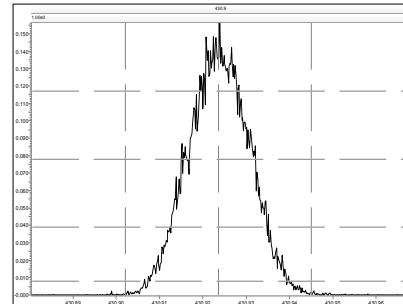
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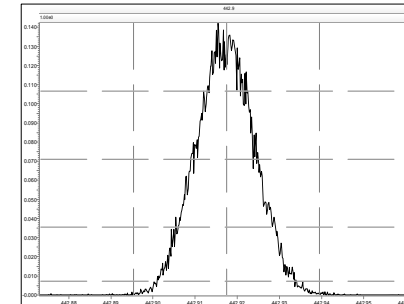
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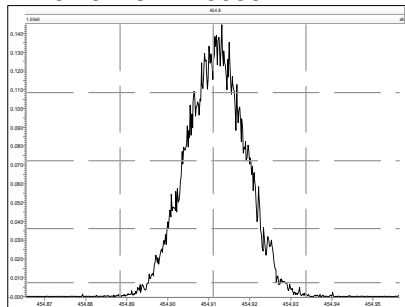
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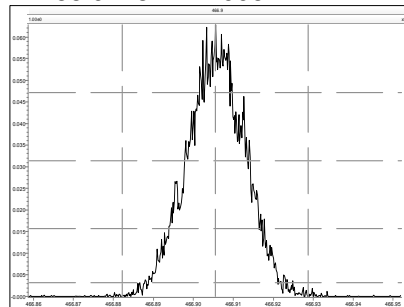
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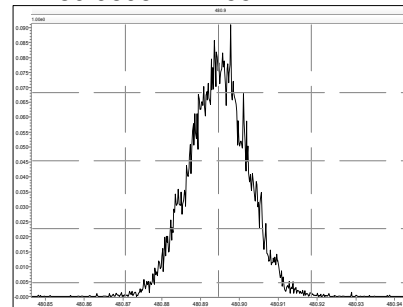
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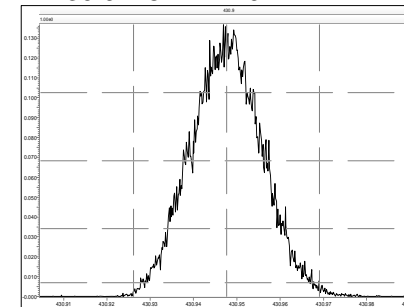
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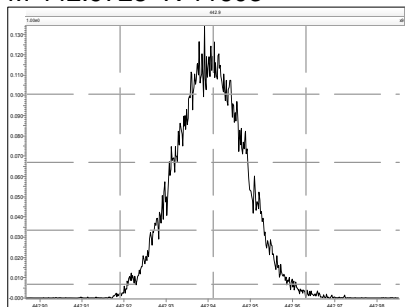
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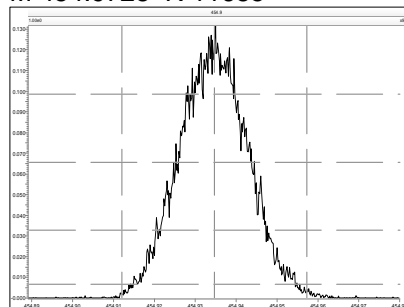
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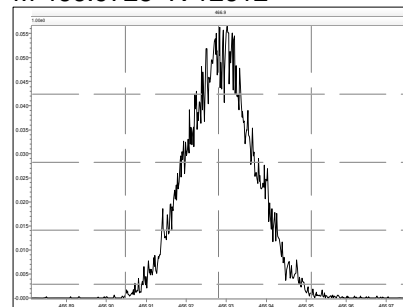
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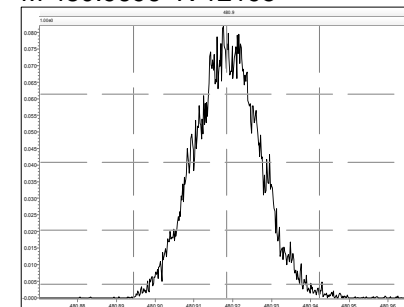
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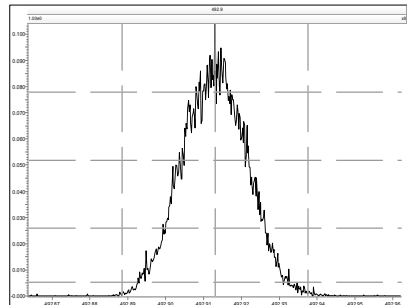


Resolution Check Report

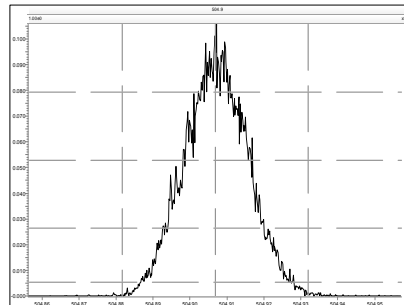
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Printed: Thursday, July 26, 2012 08:33:07 Eastern Daylight Time

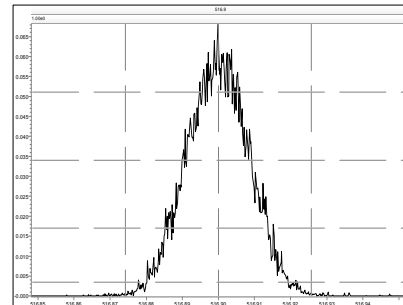
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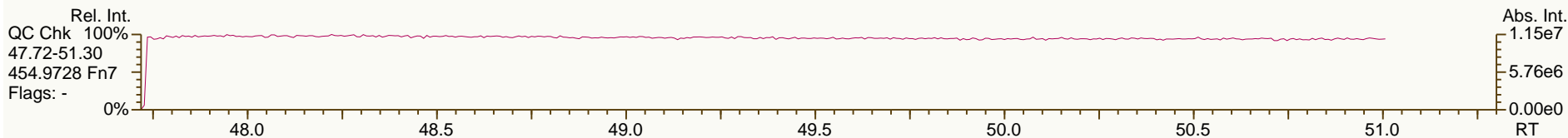
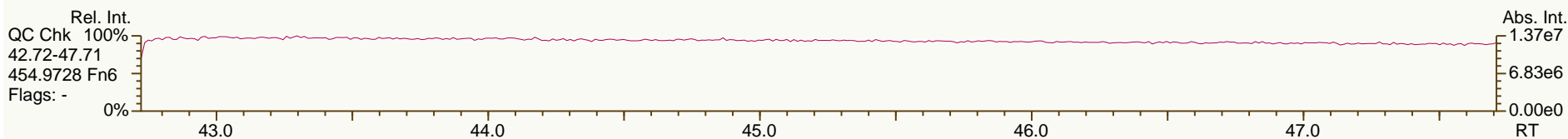
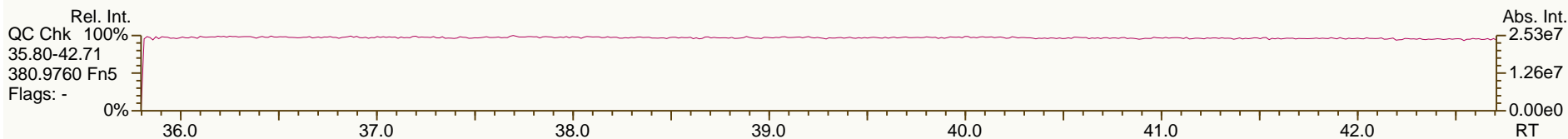
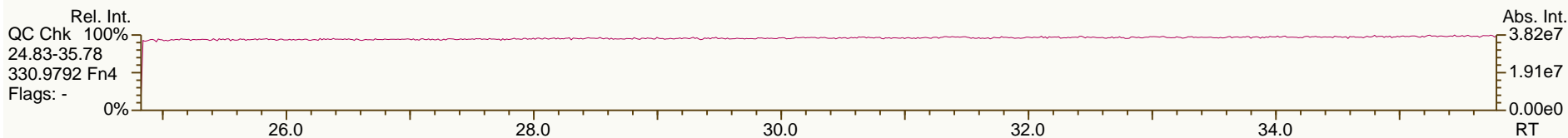
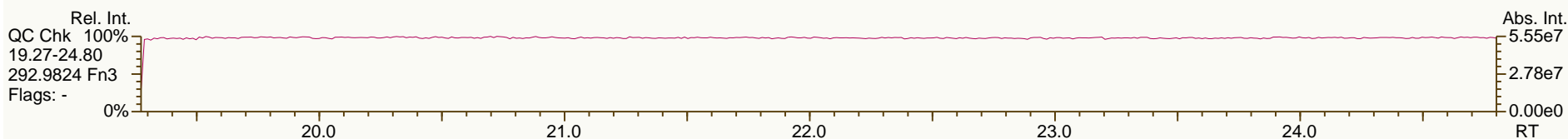
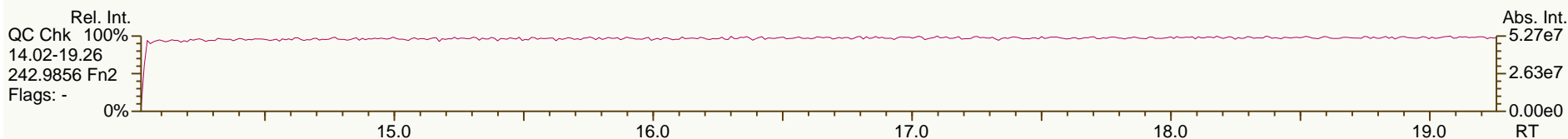
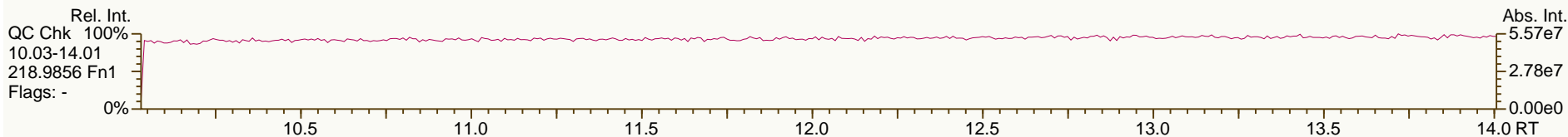
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

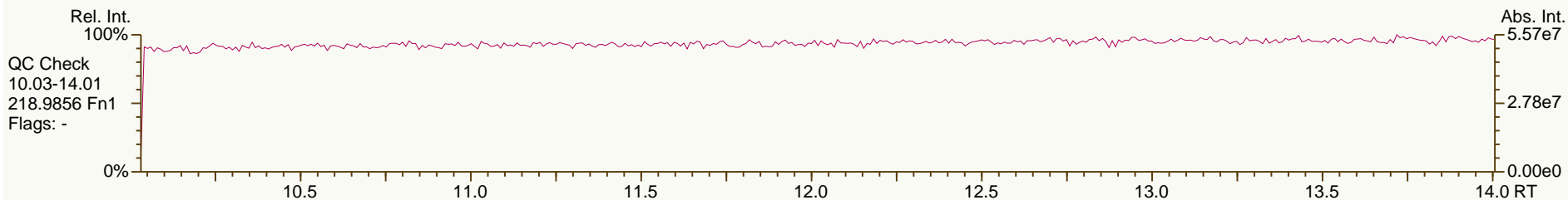
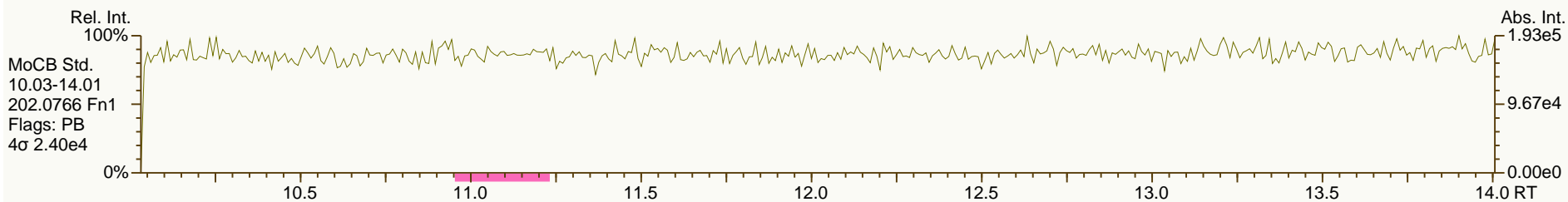
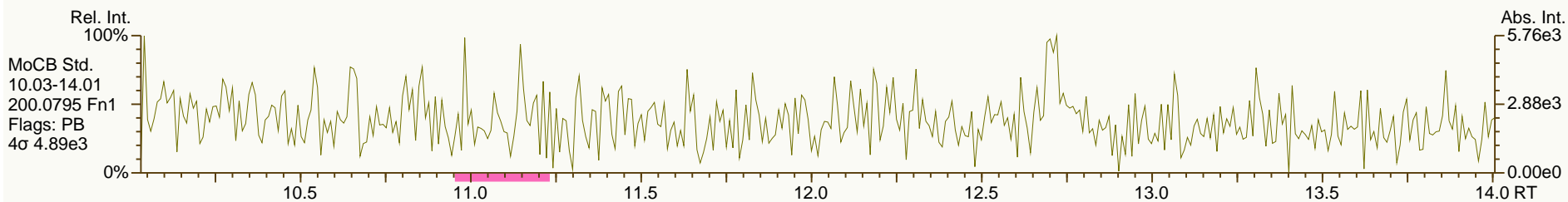
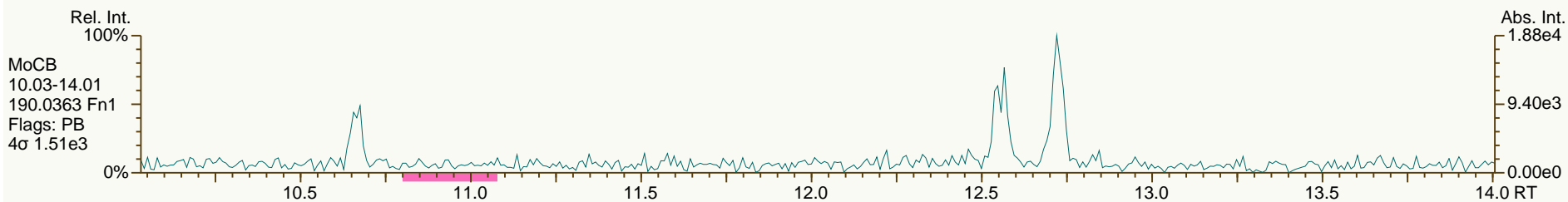
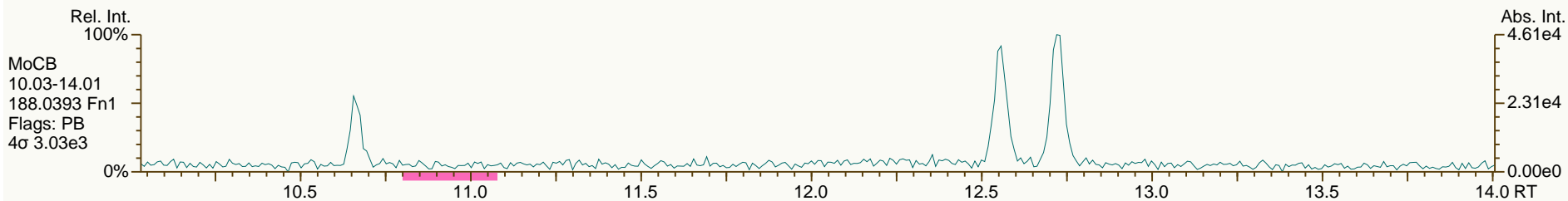
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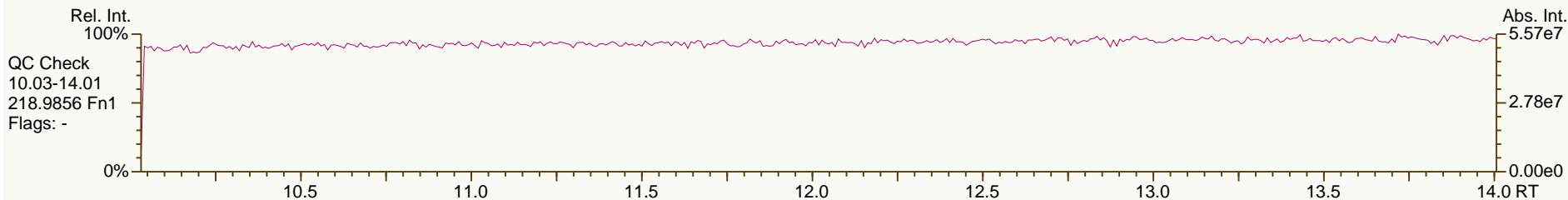
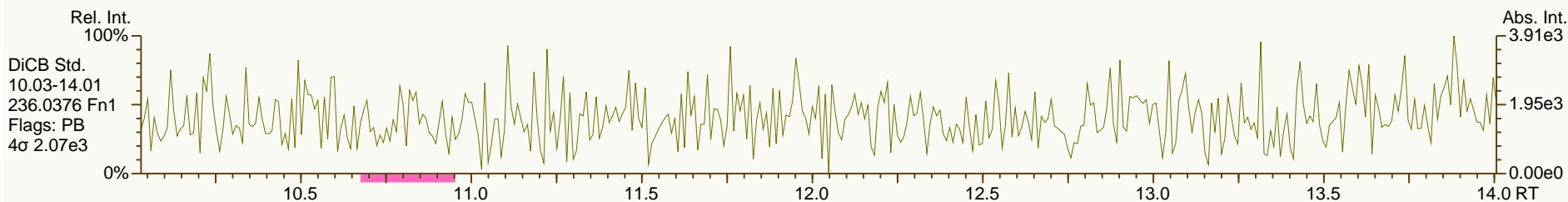
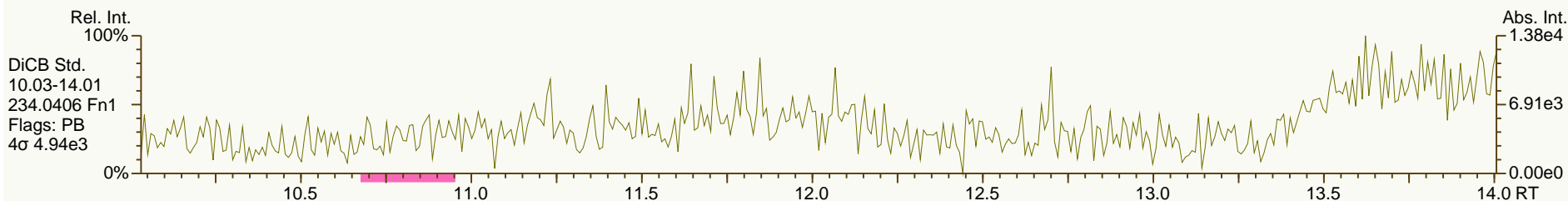
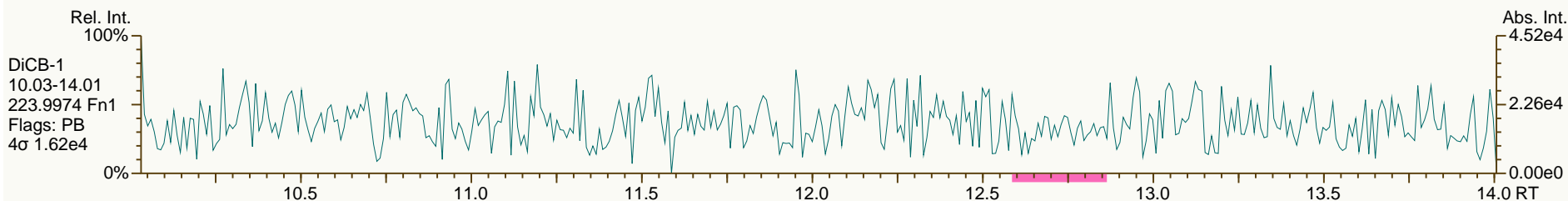
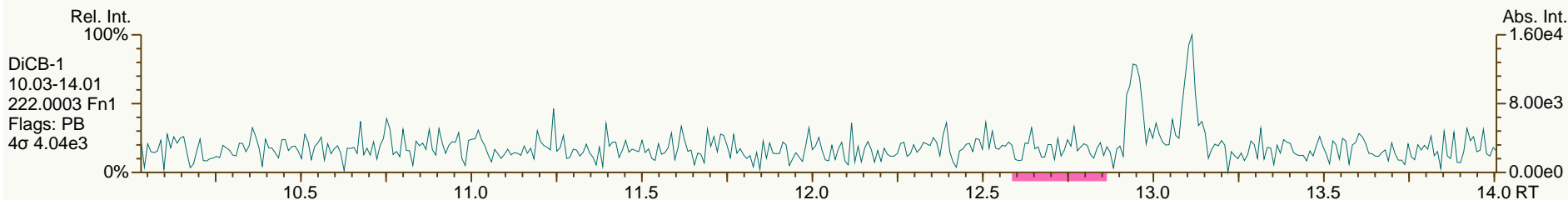
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

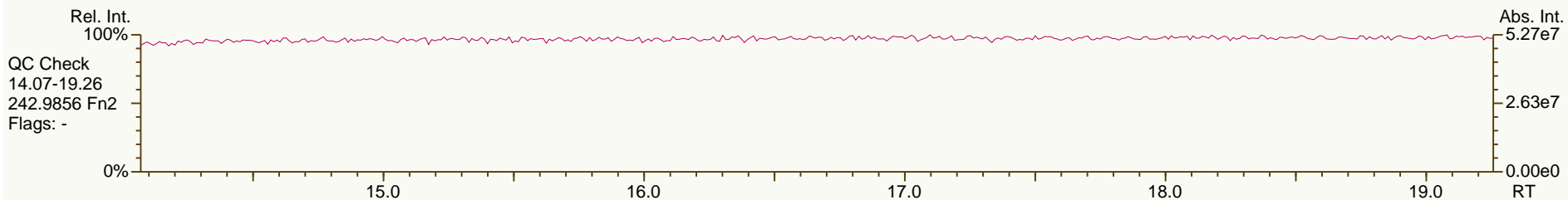
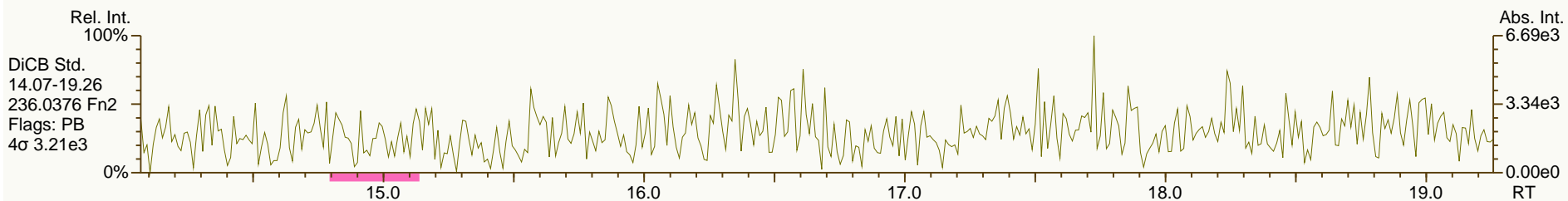
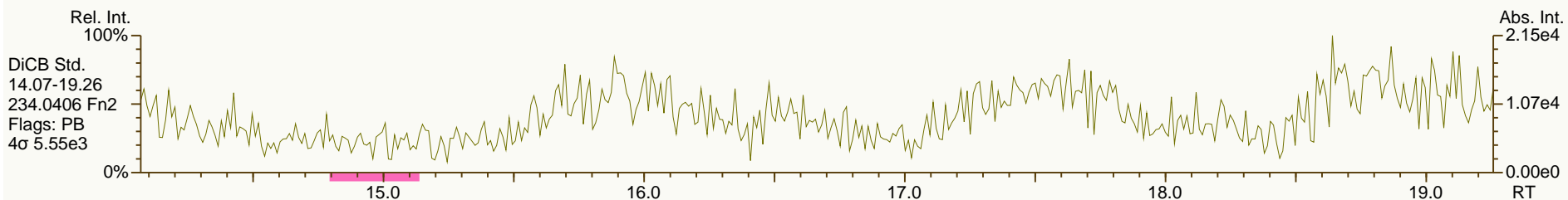
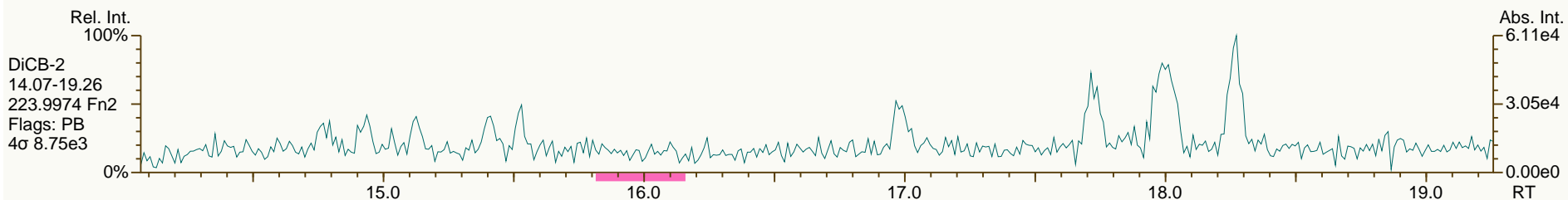
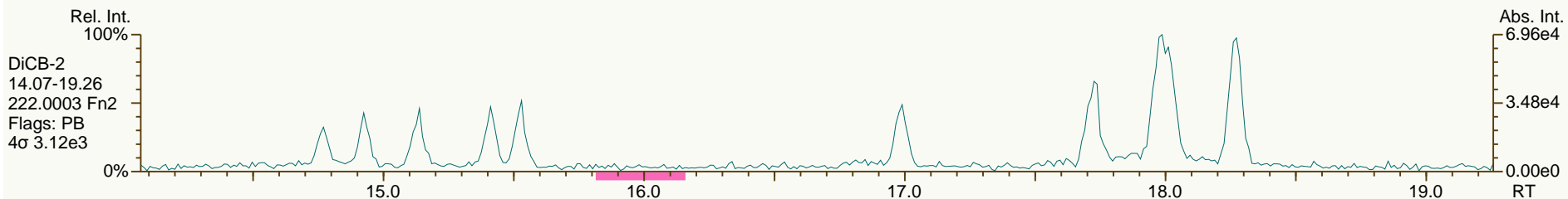
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

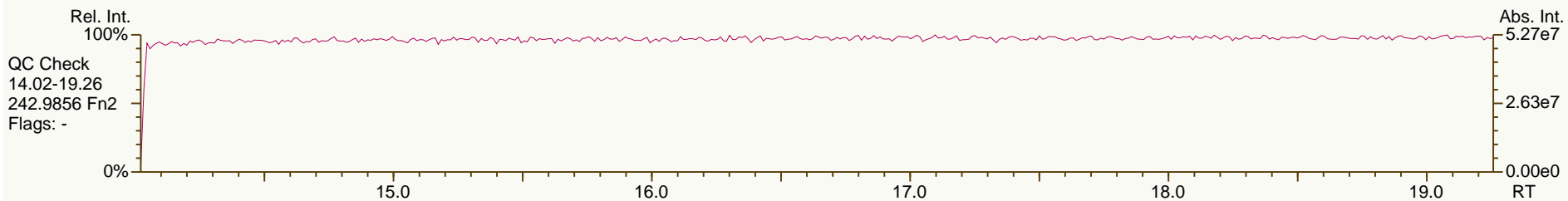
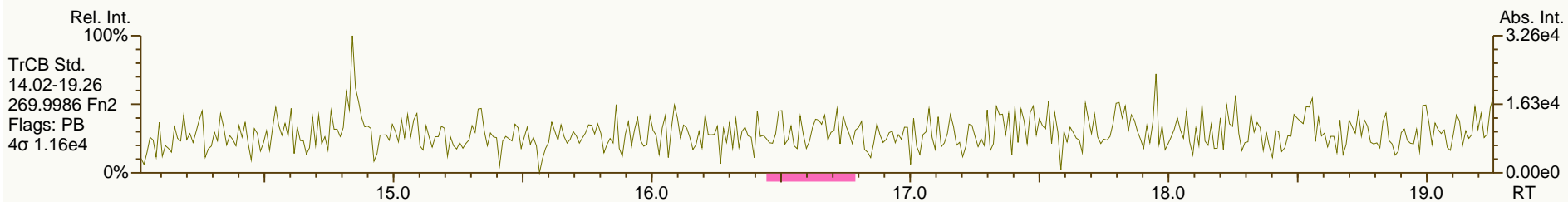
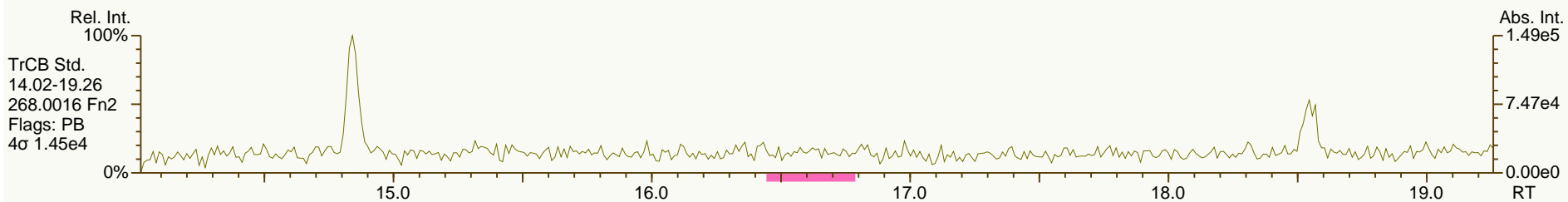
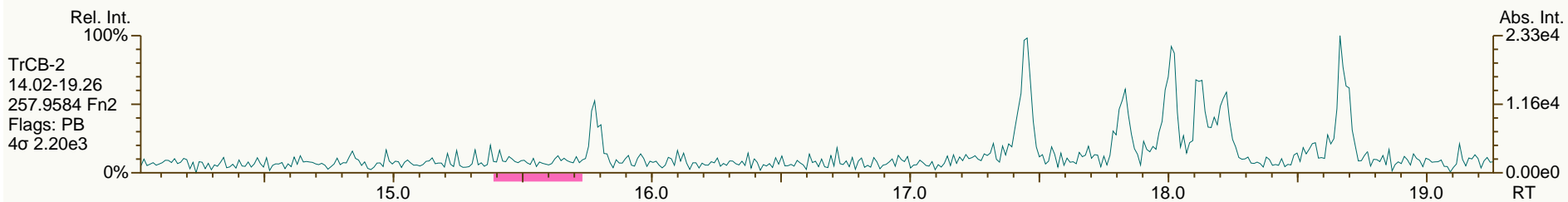
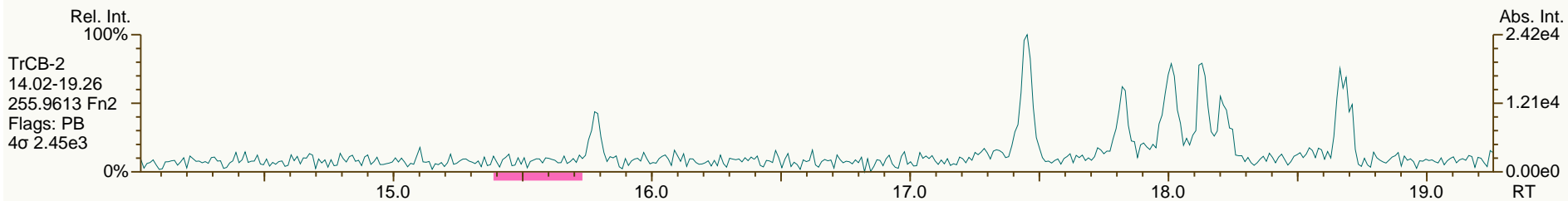
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

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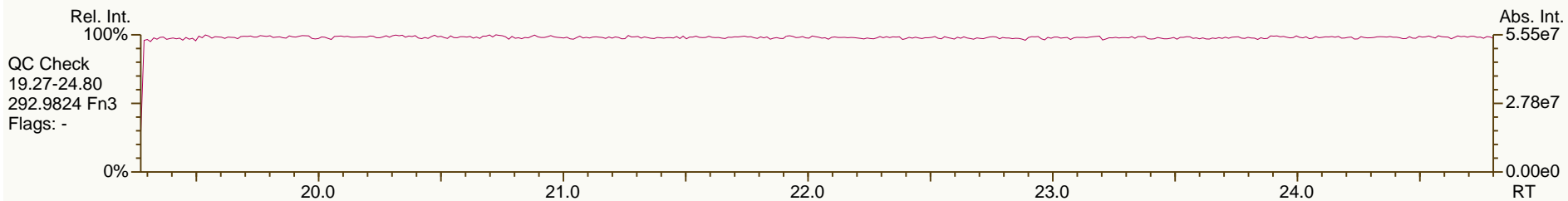
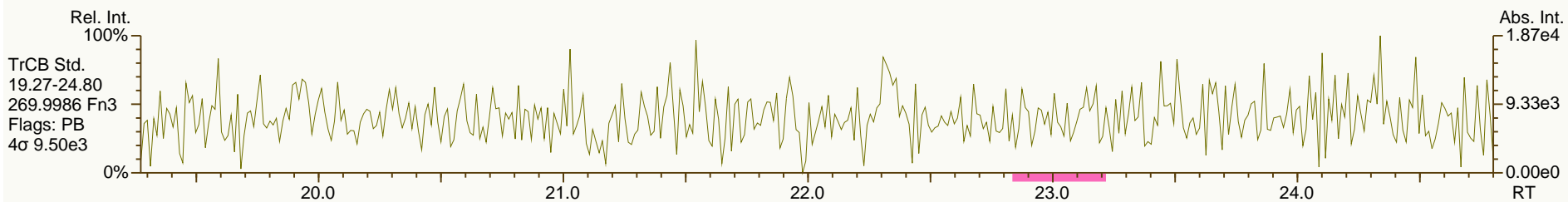
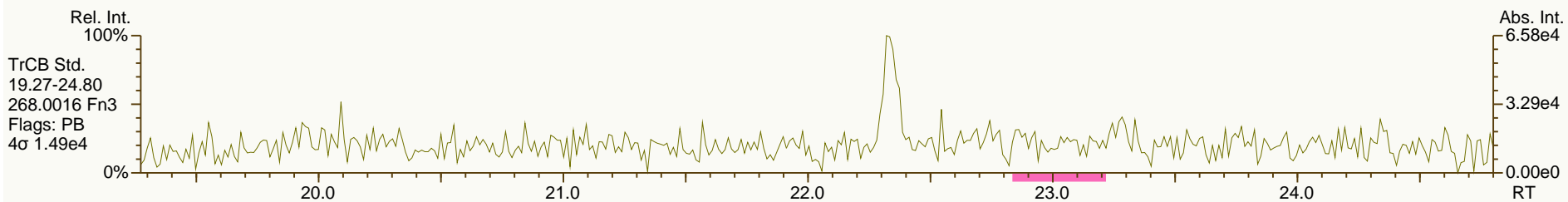
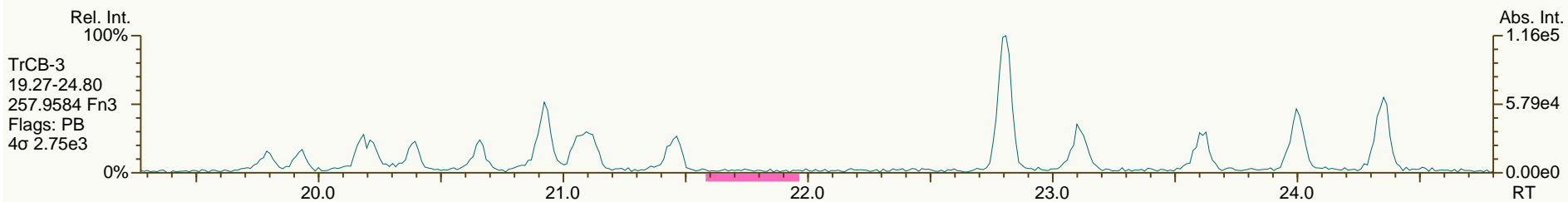
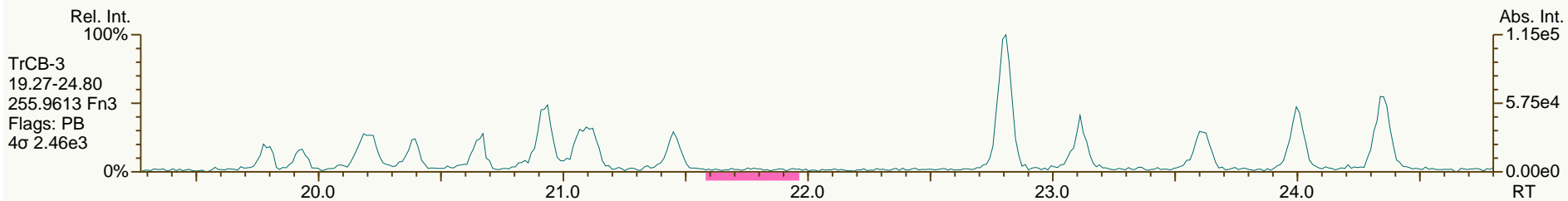
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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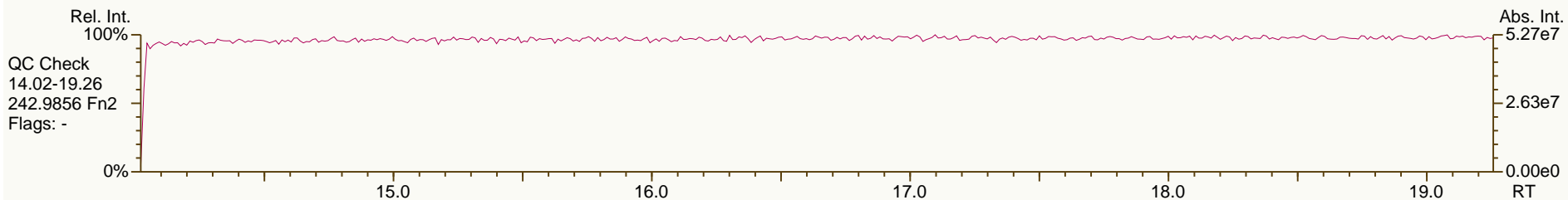
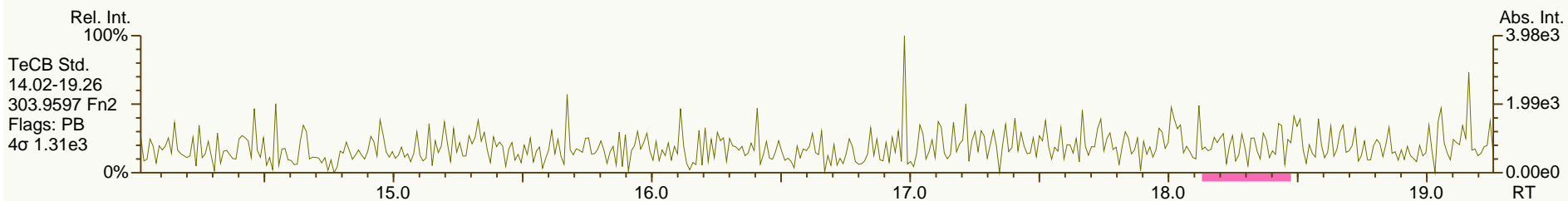
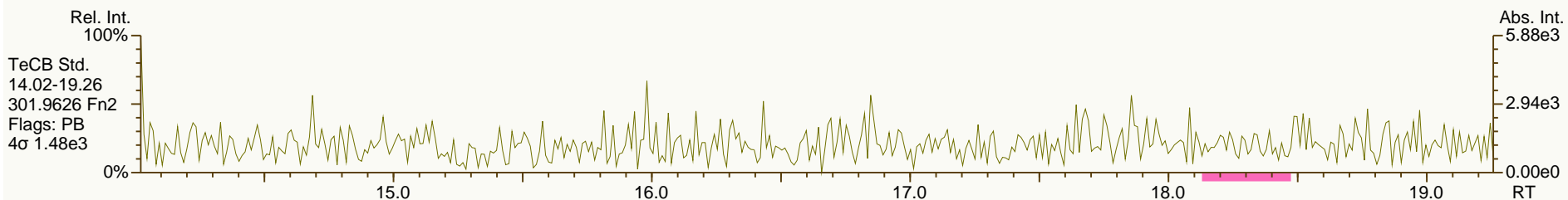
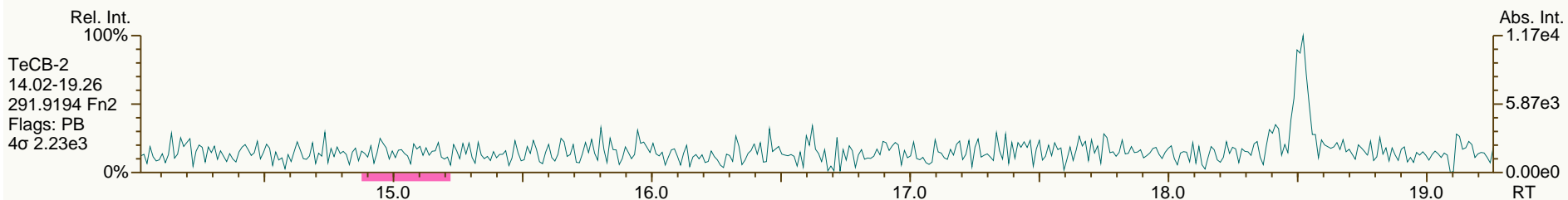
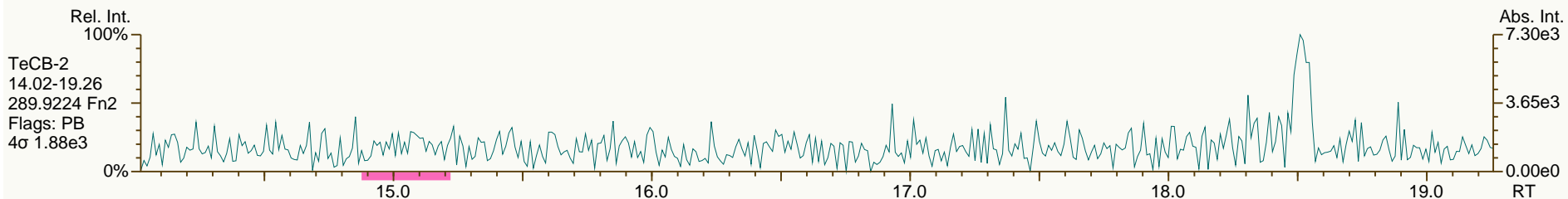
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AP Lab ID: SBS_120725_PCB_XH
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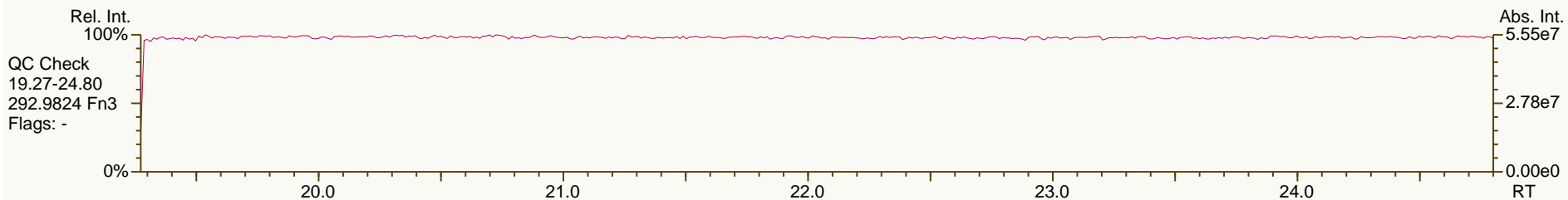
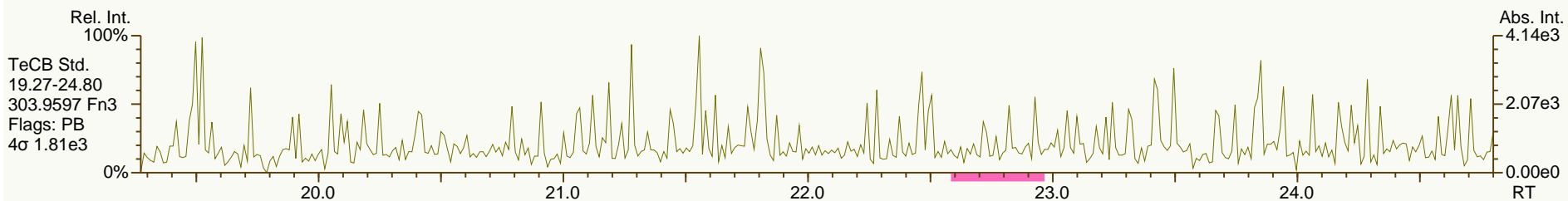
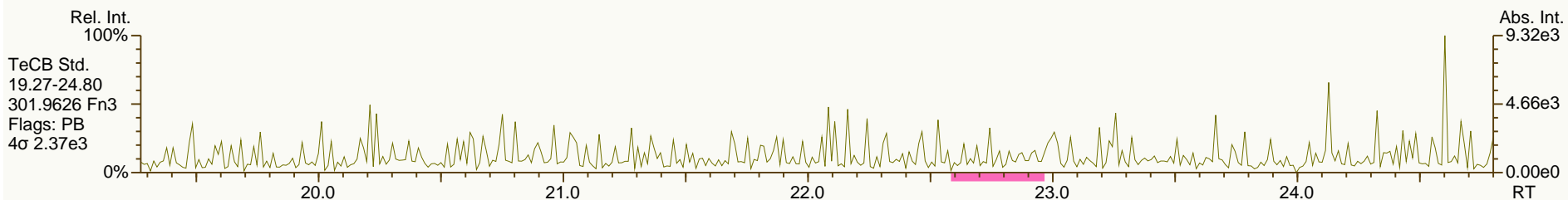
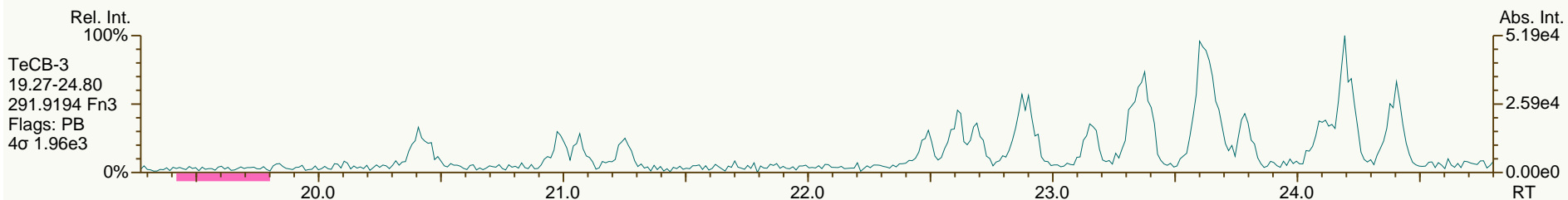
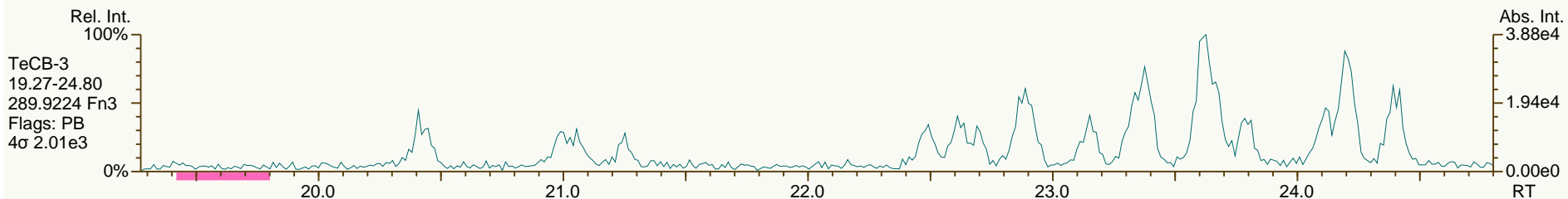
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AP Lab ID: SBS_120725_PCB_XH
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Sample ID: SIL 9-41-1
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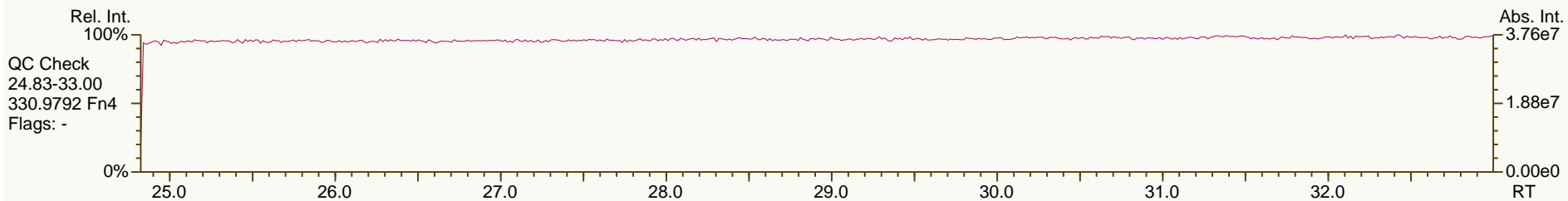
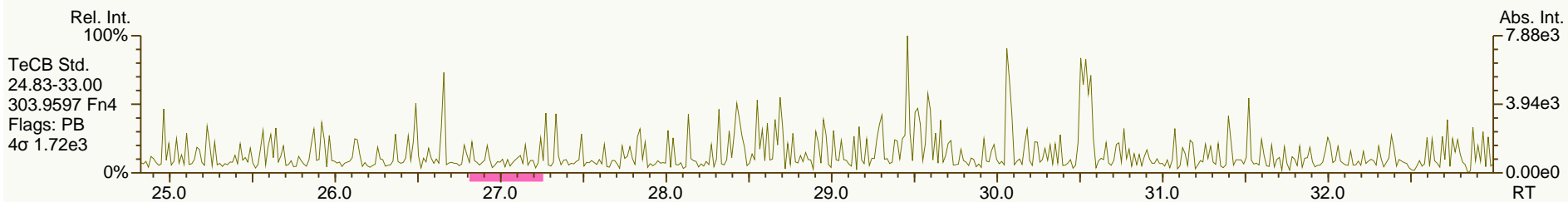
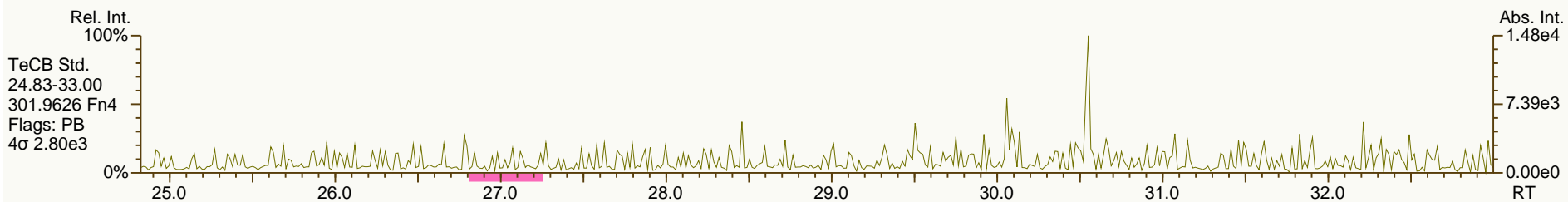
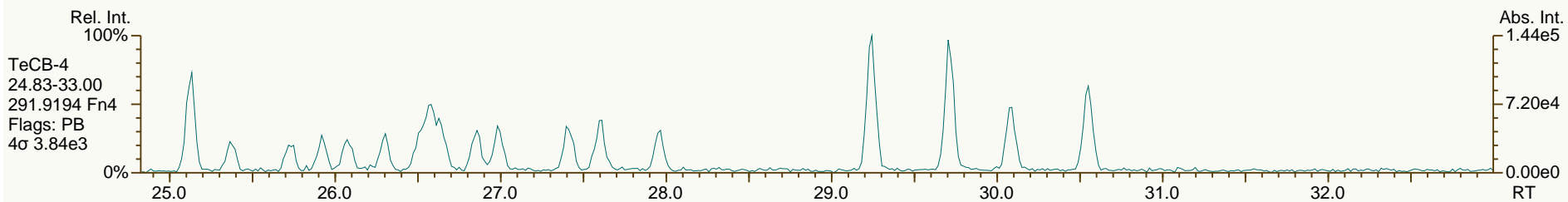
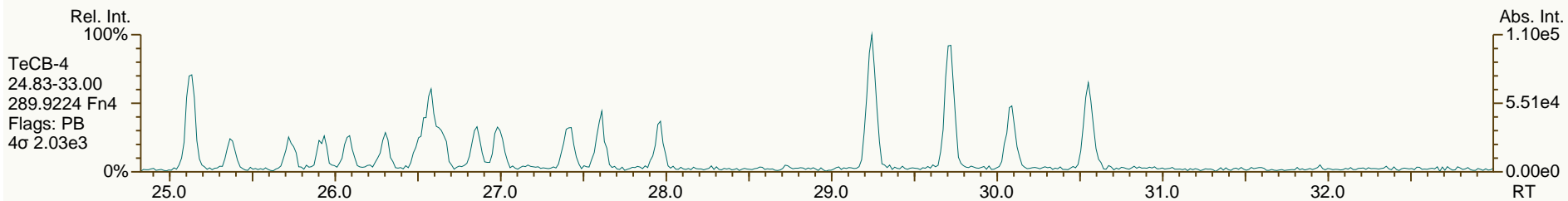
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AP Lab ID: SBS_120725_PCB_XH
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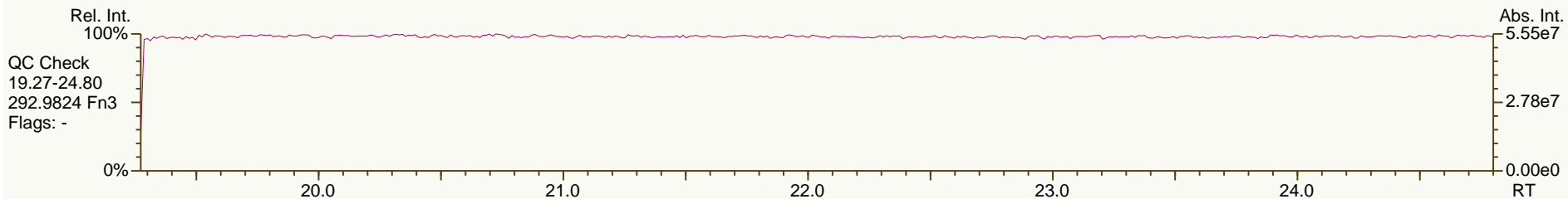
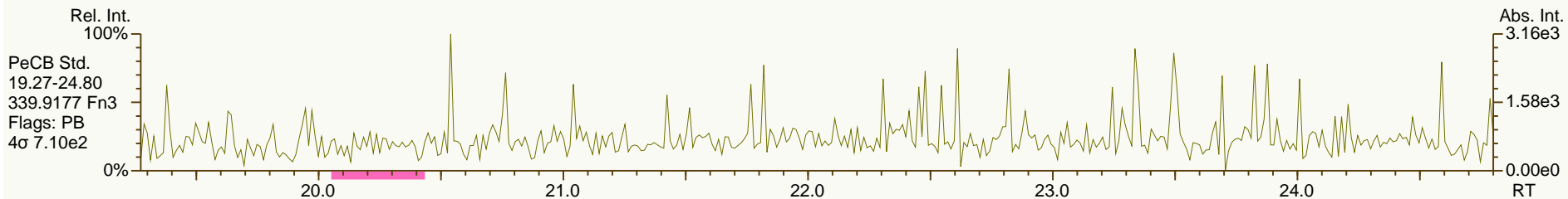
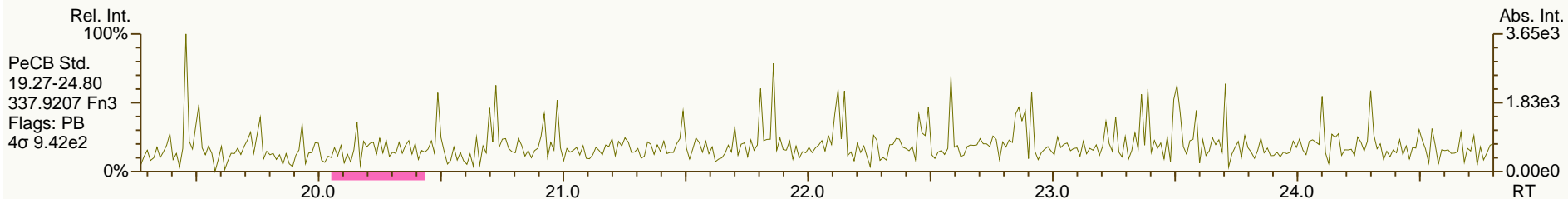
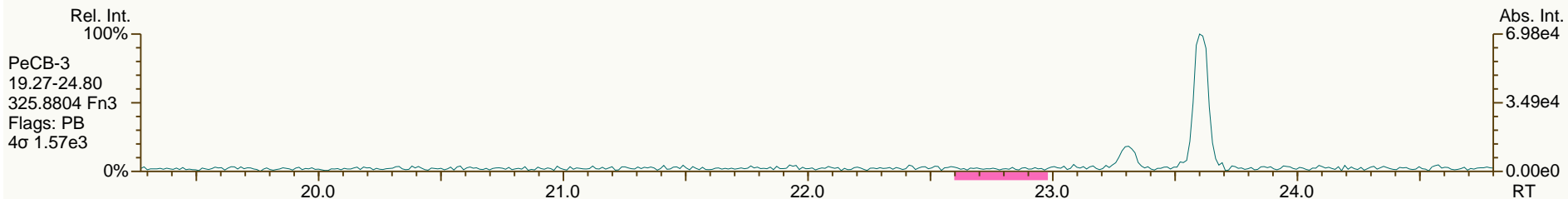
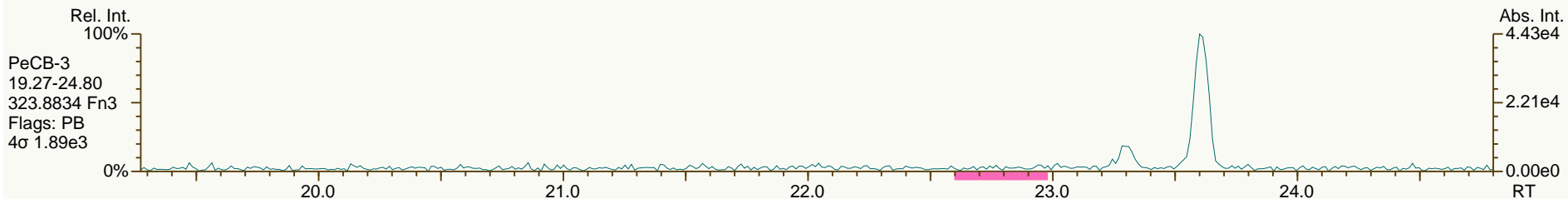
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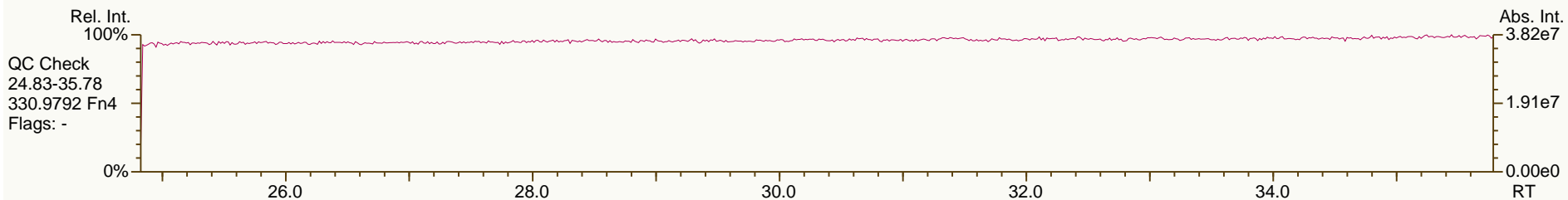
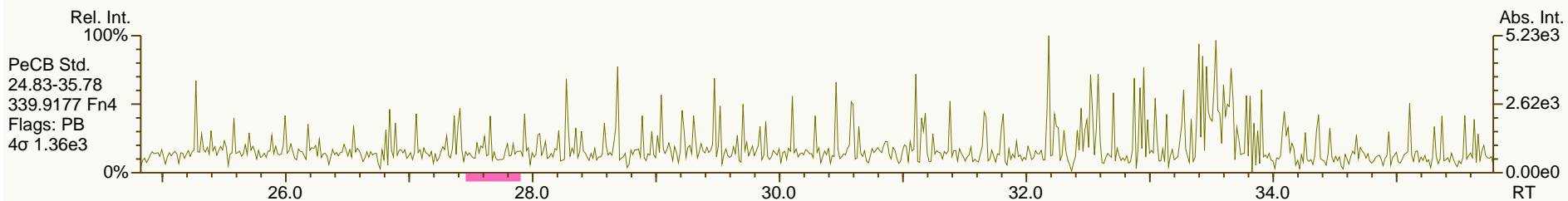
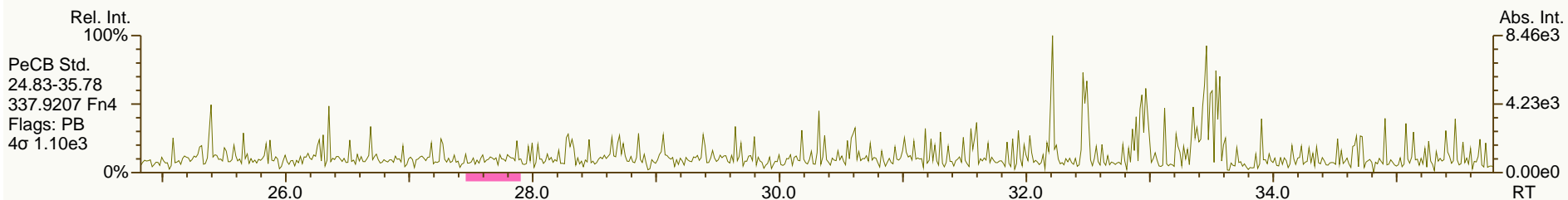
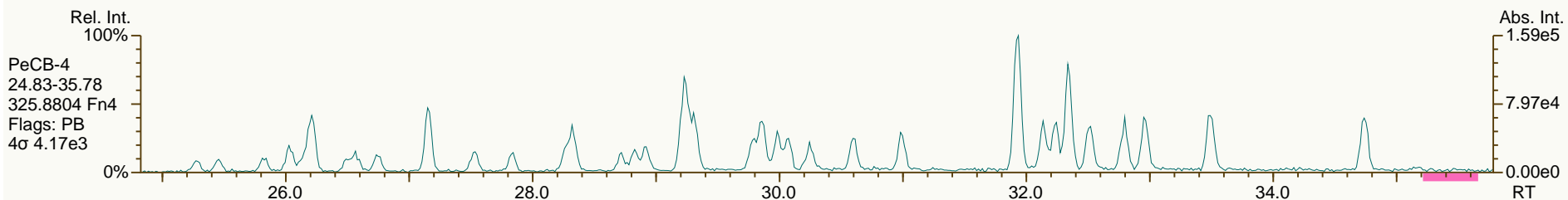
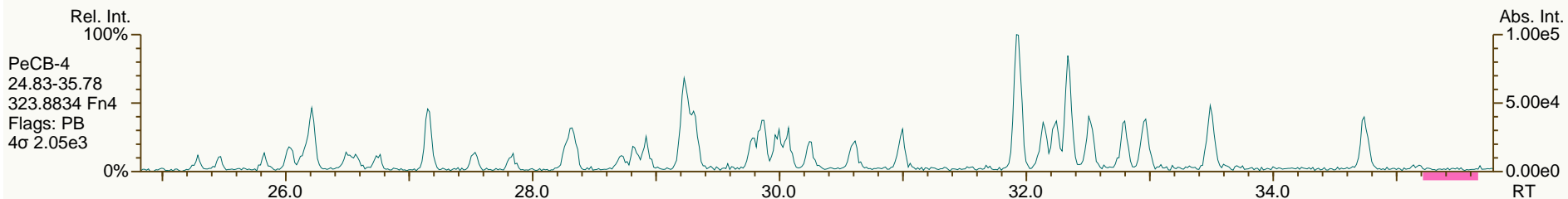
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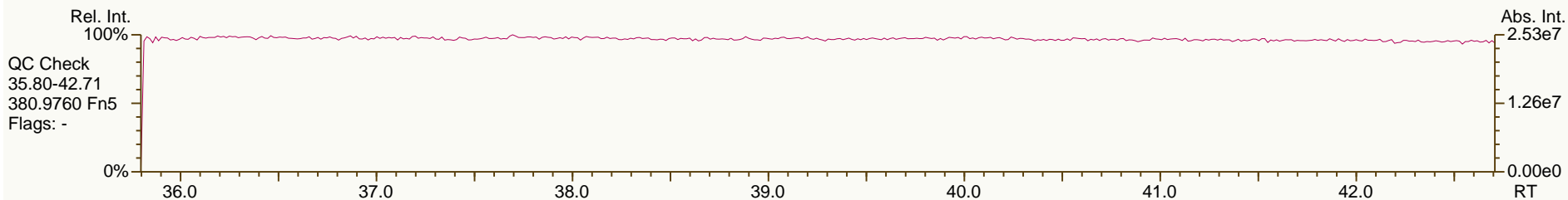
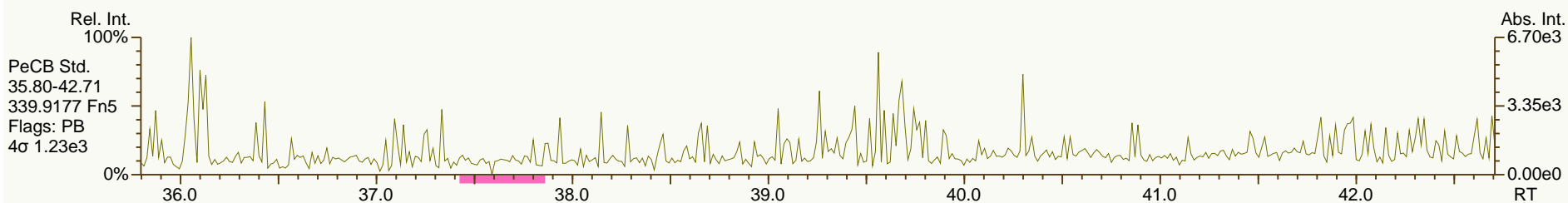
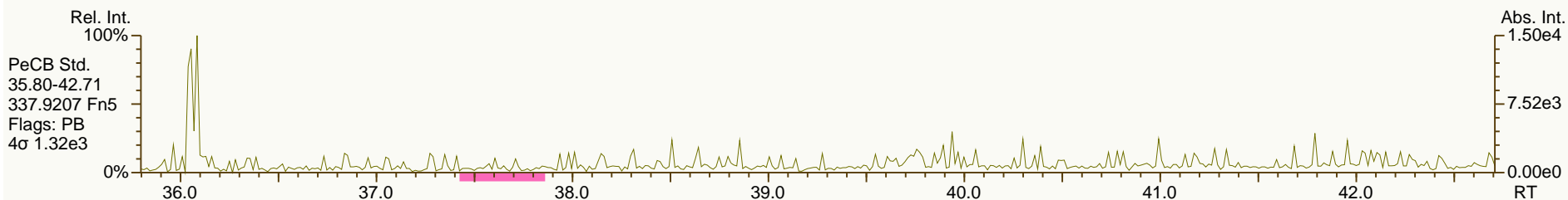
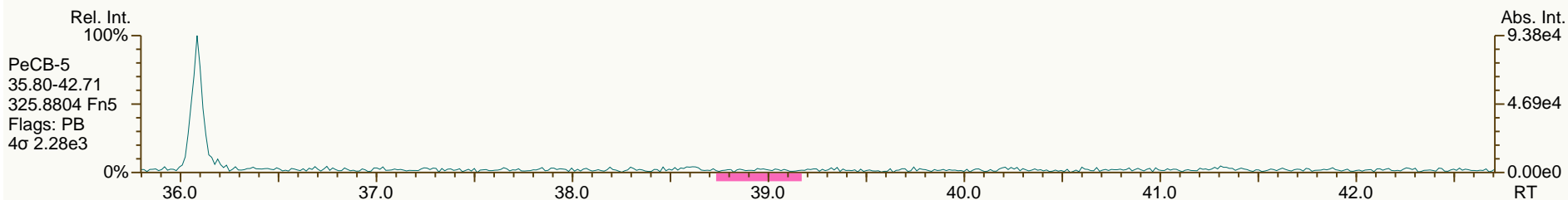
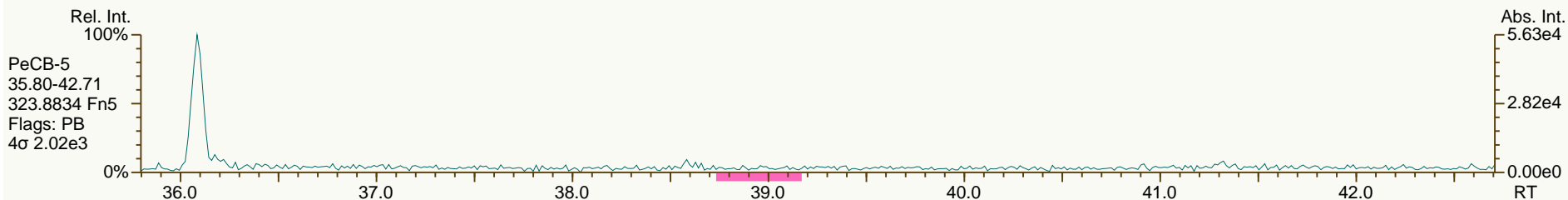
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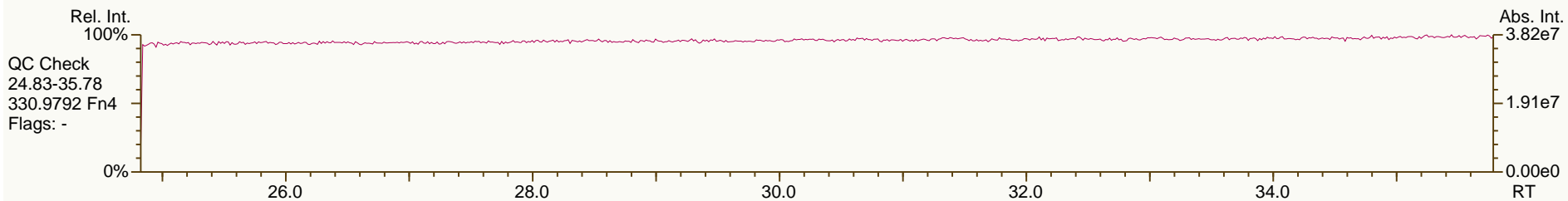
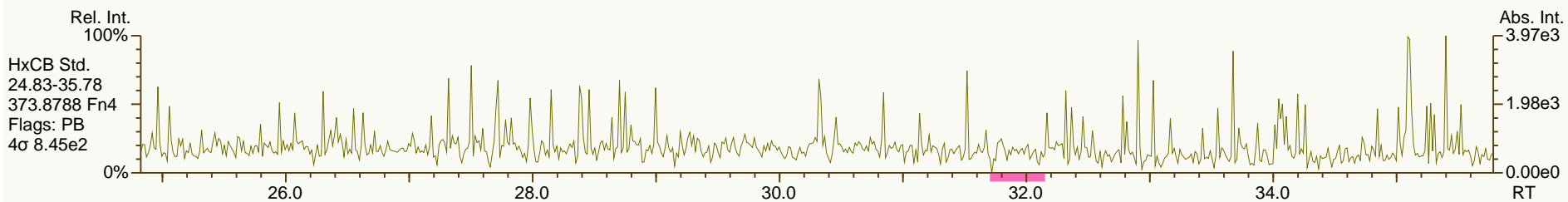
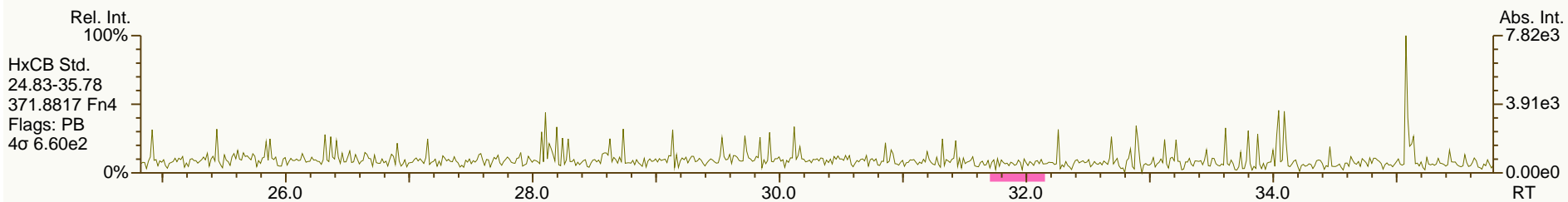
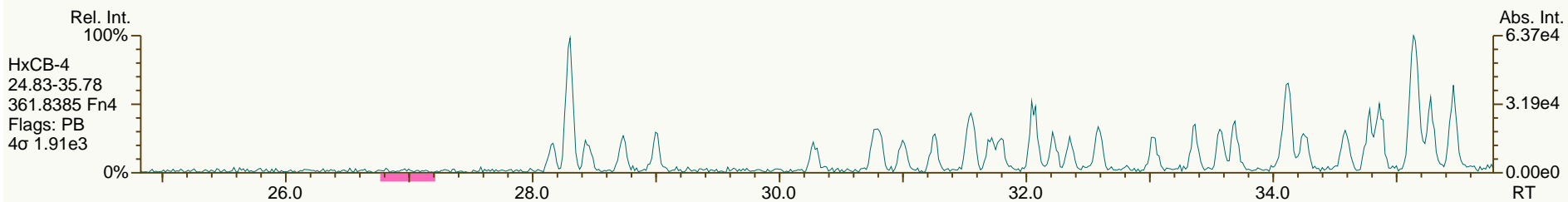
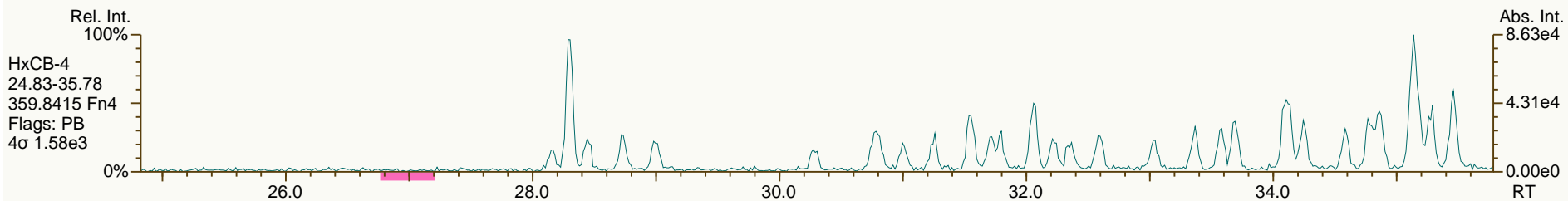
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AP Lab ID: SBS_120725_PCB_XH
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Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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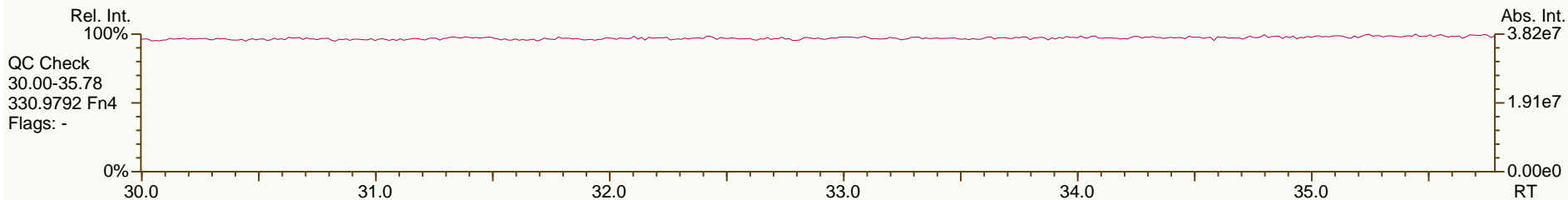
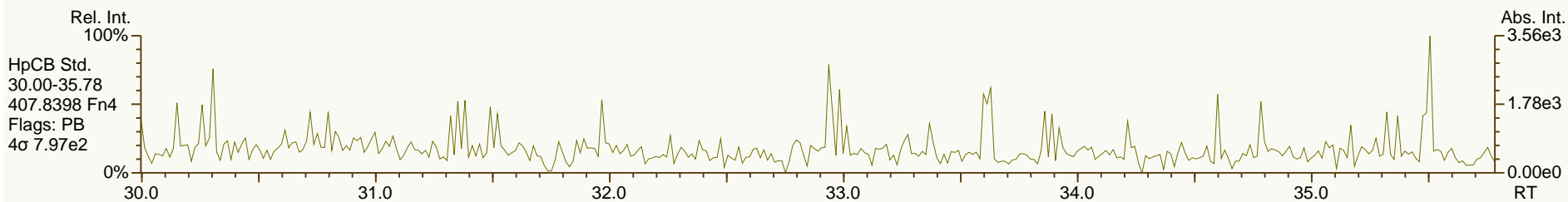
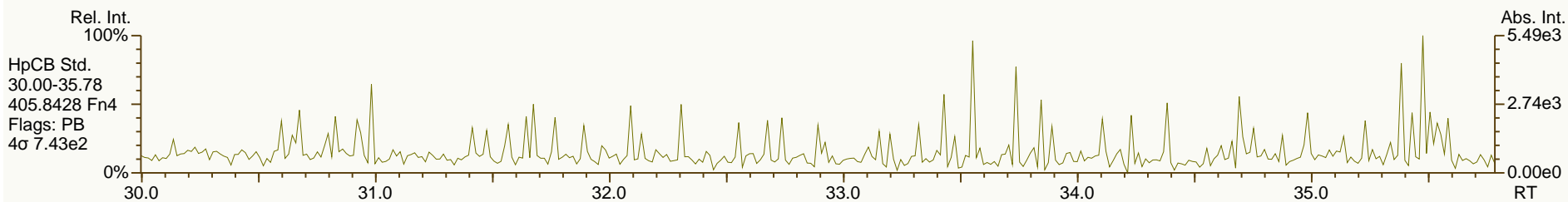
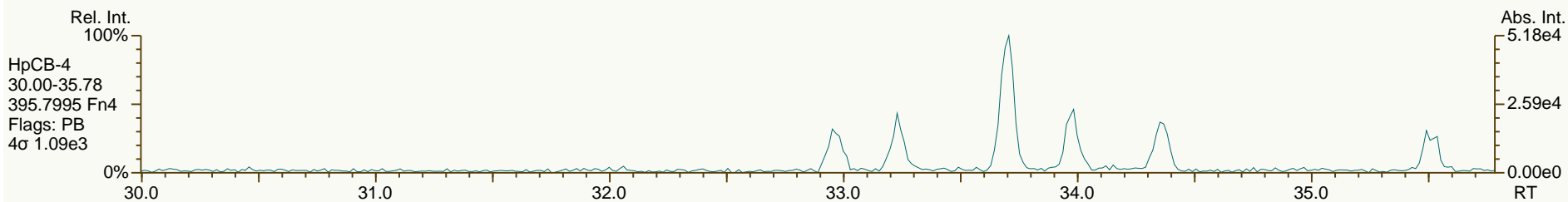
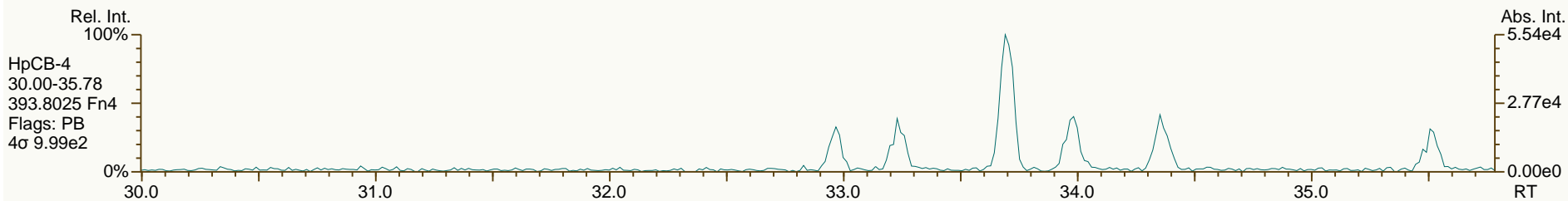
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AP Lab ID: SBS_120725_PCB_XH
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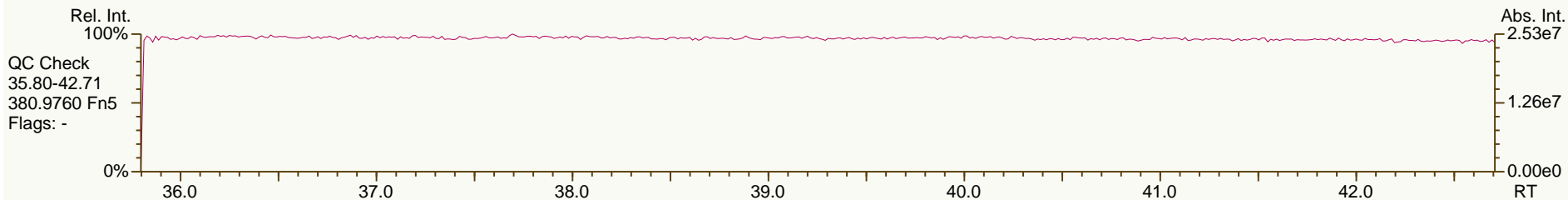
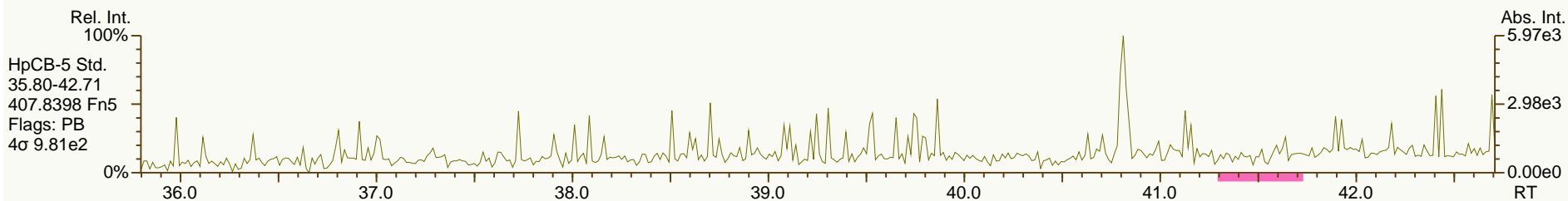
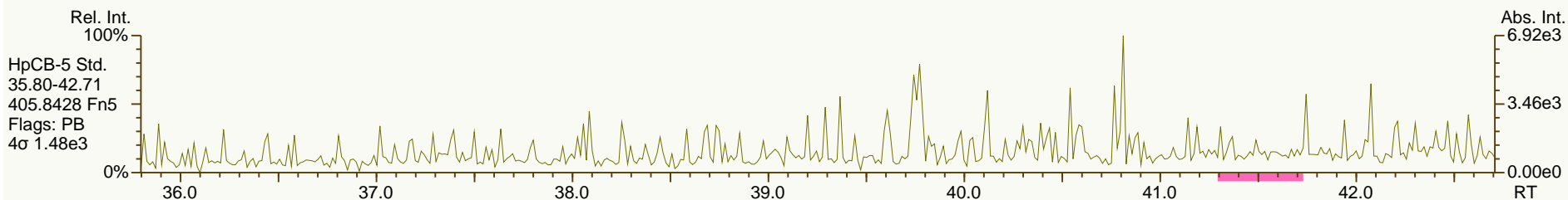
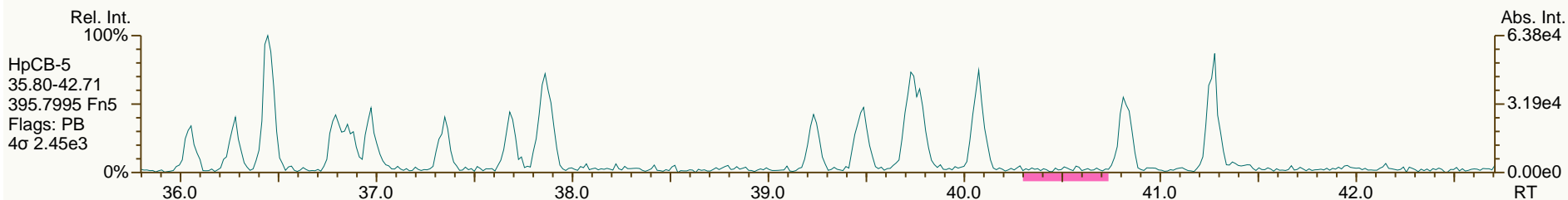
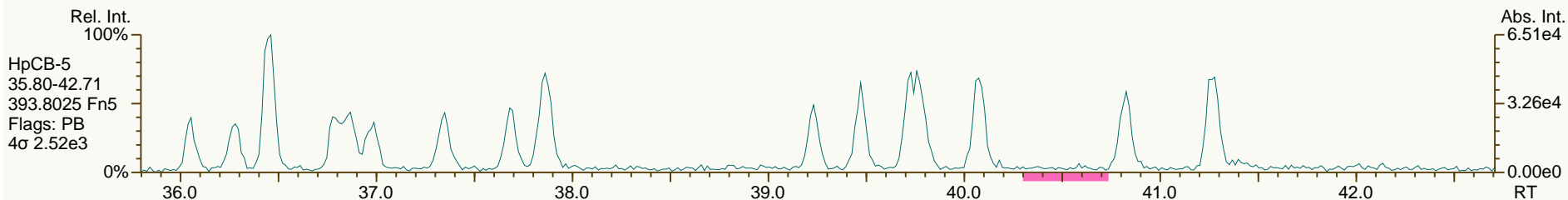
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AP Lab ID: SBS_120725_PCB_XH
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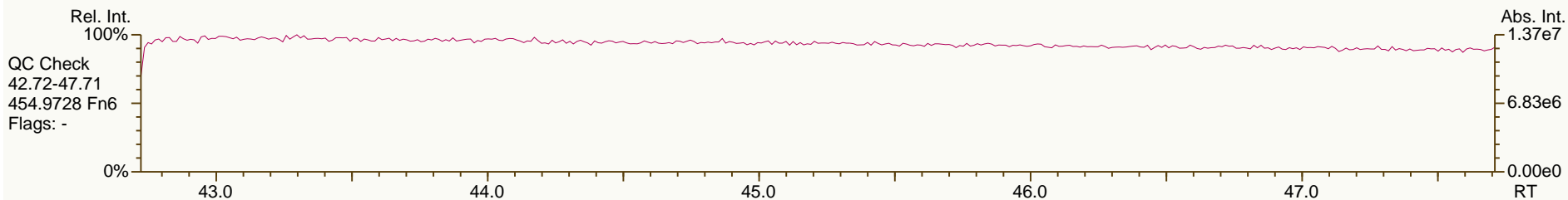
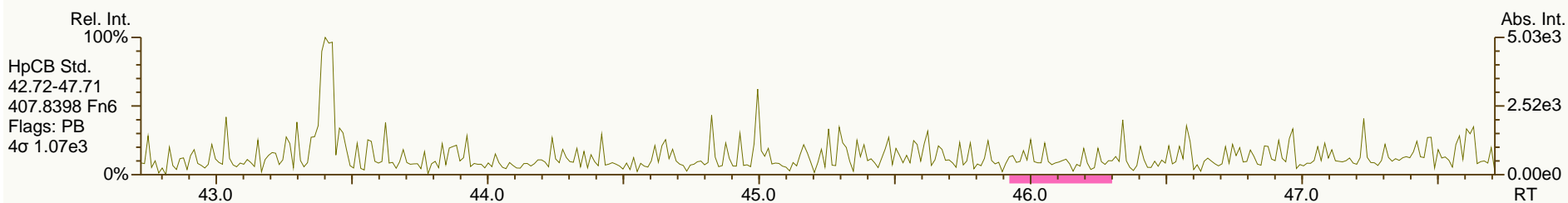
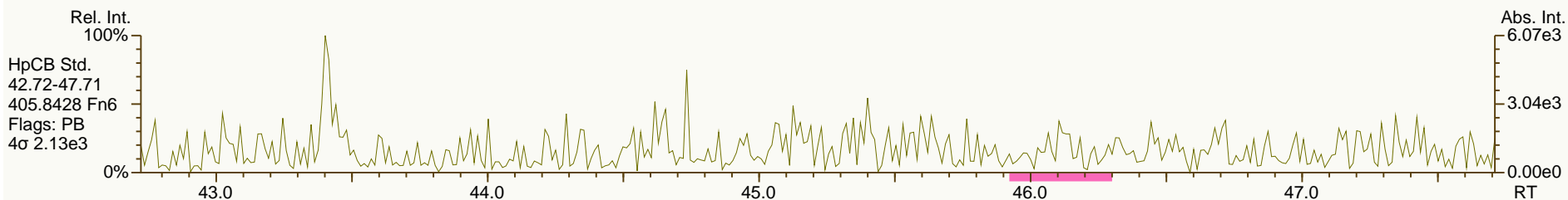
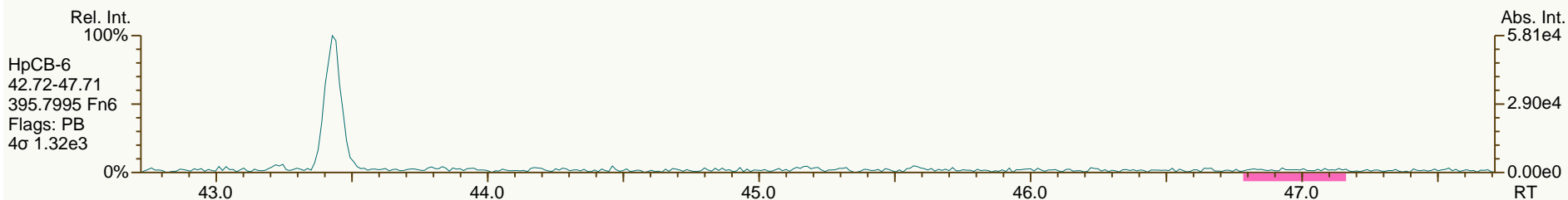
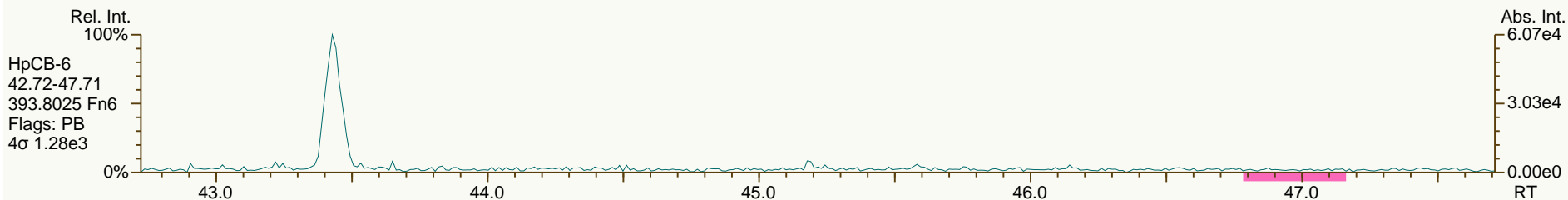
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AP Lab ID: SBS_120725_PCB_XH
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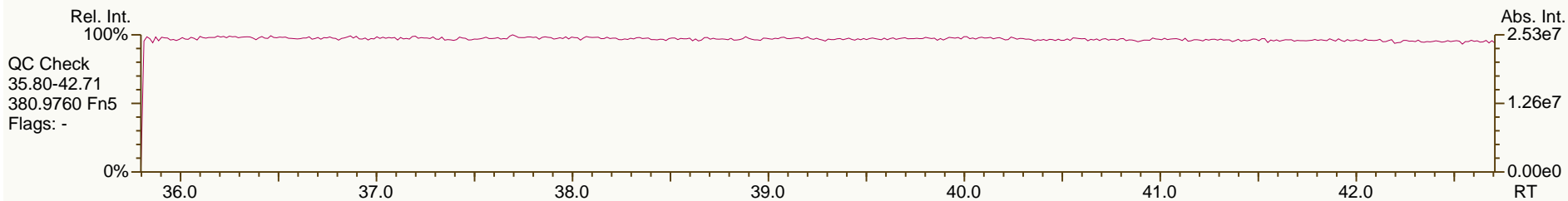
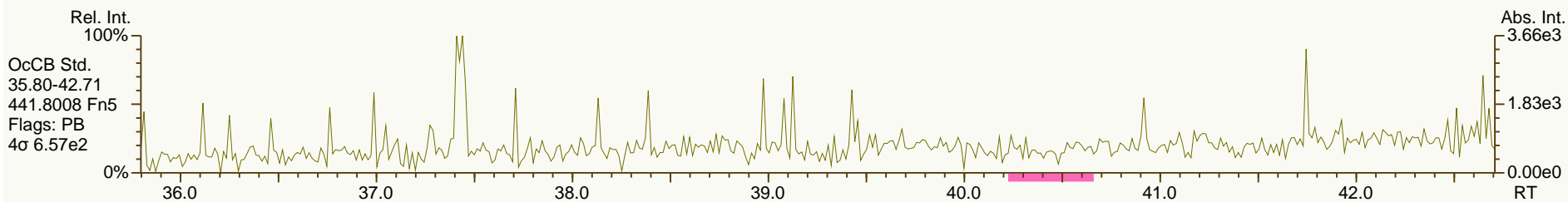
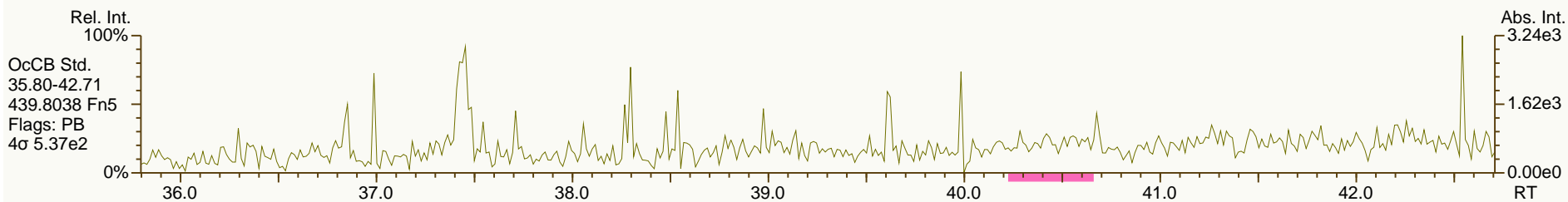
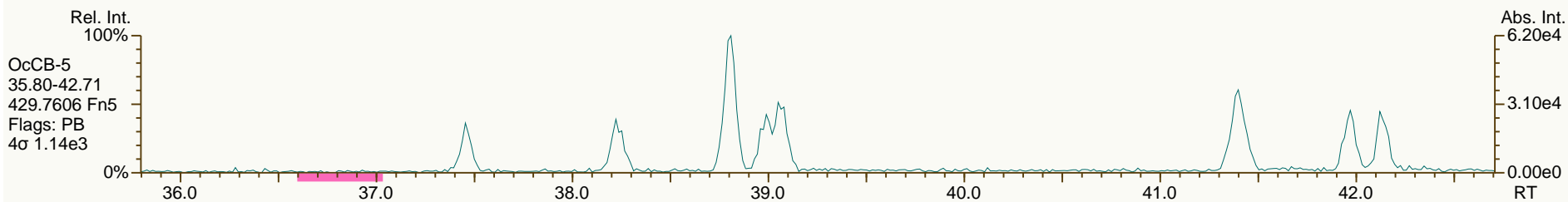
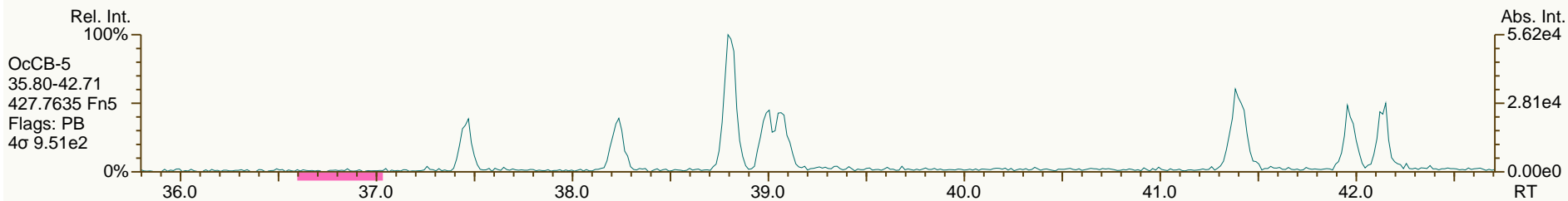
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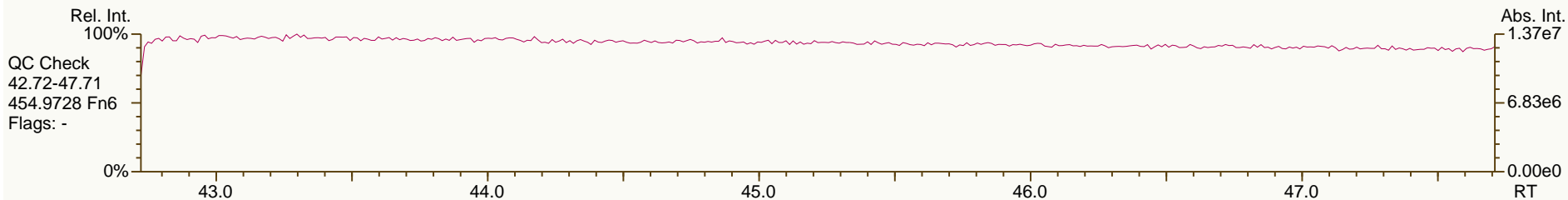
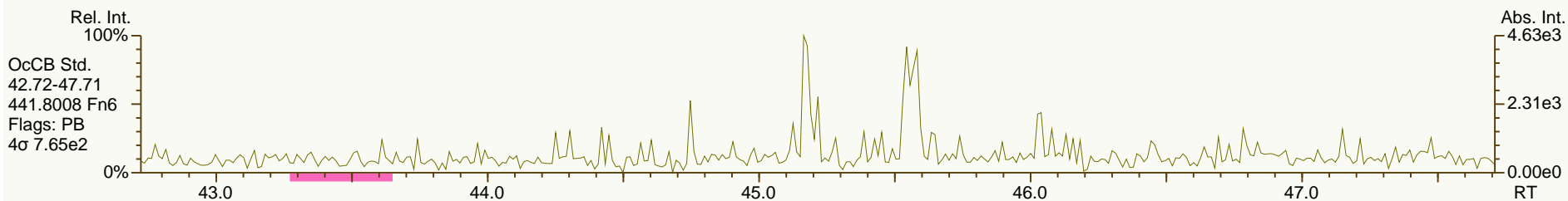
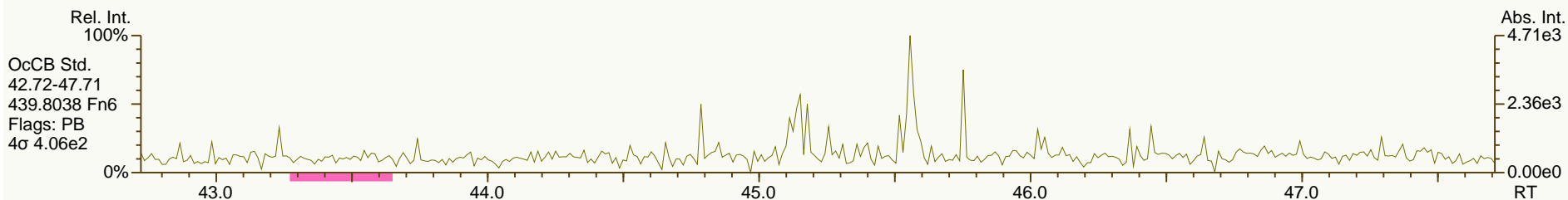
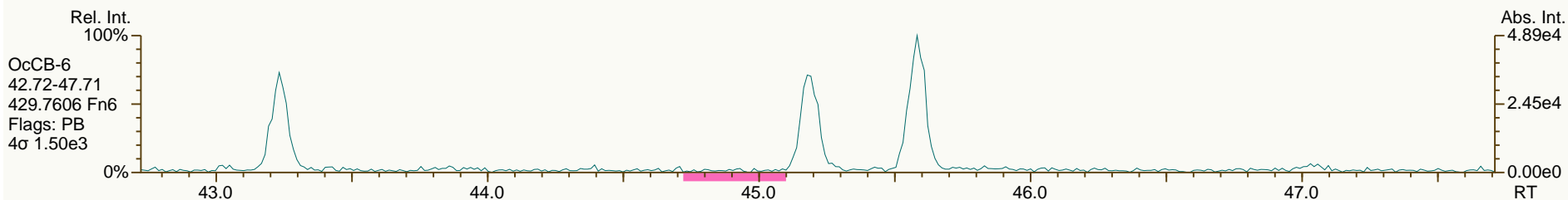
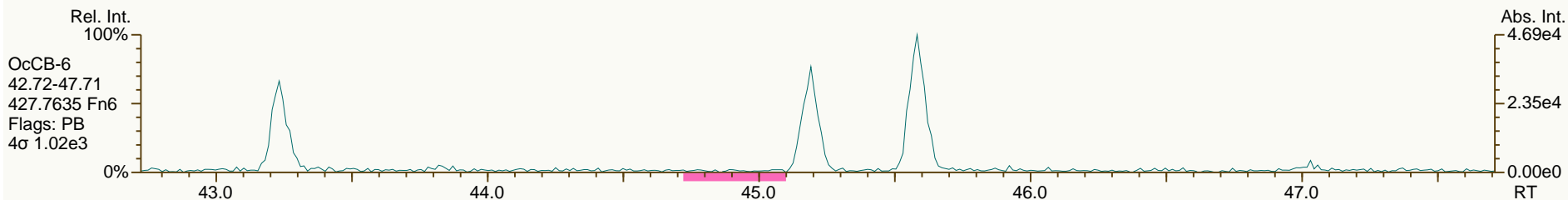
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AP Lab ID: SBS_120725_PCB_XH
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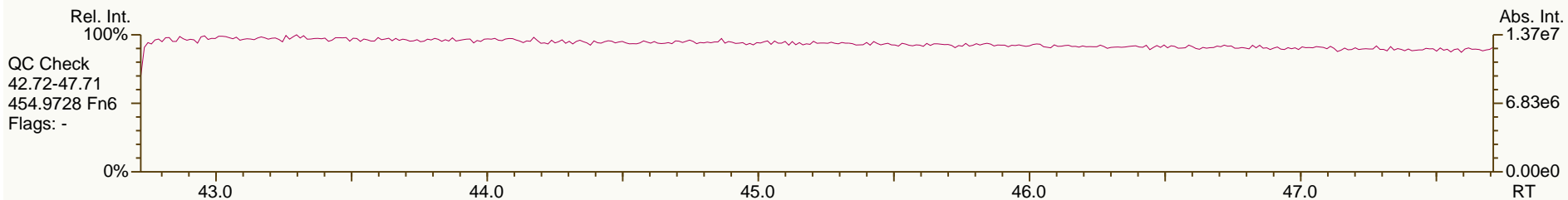
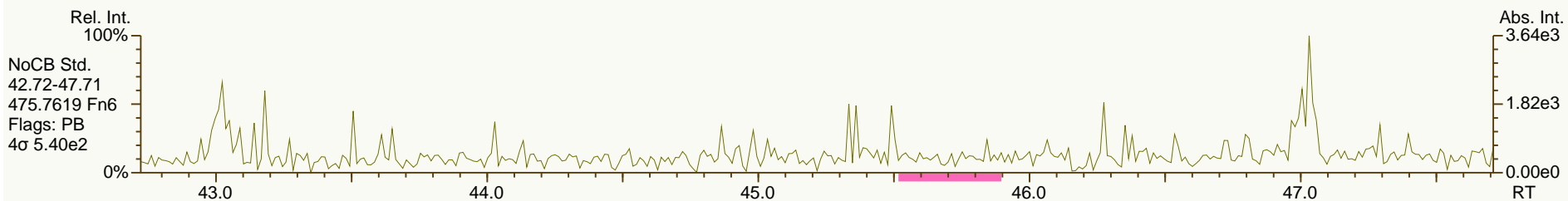
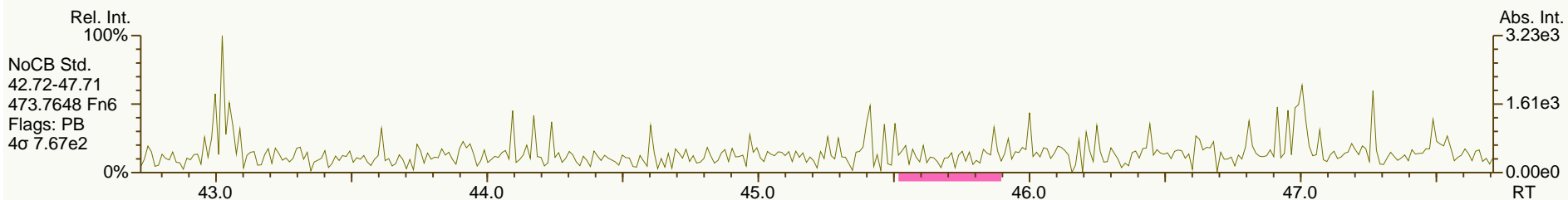
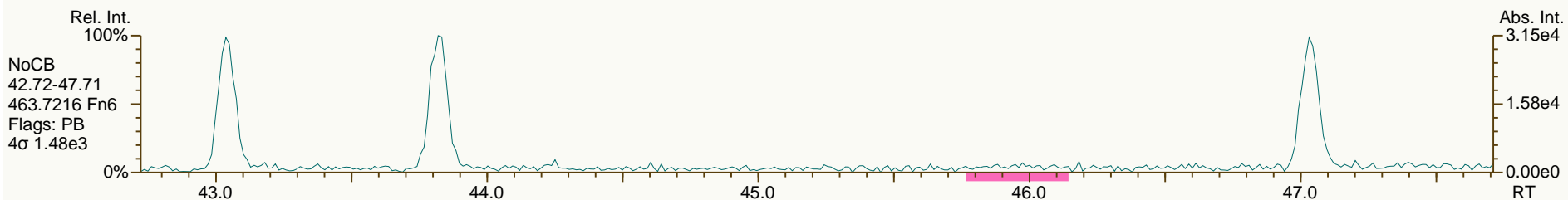
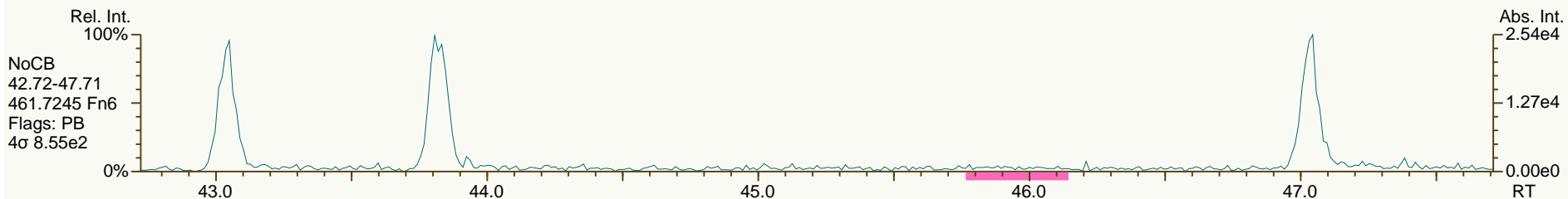
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AP Lab ID: SBS_120725_PCB_XH
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 08:33:09
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AP Lab ID: SBS_120725_PCB_XH
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

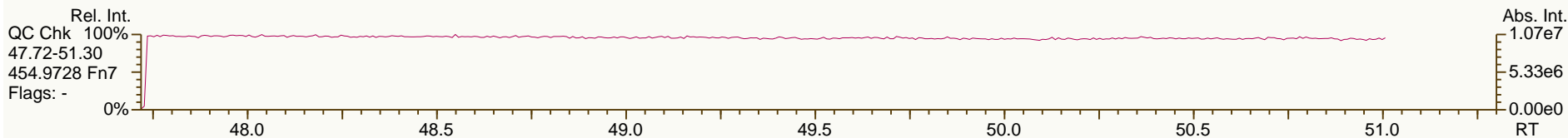
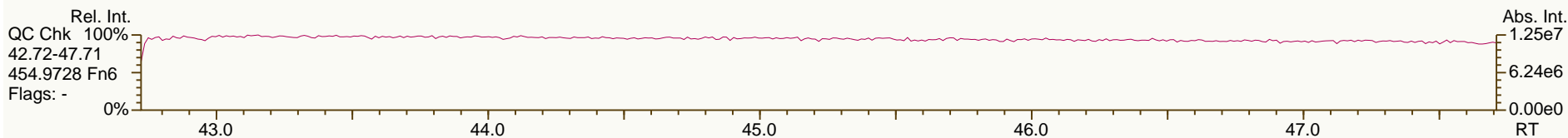
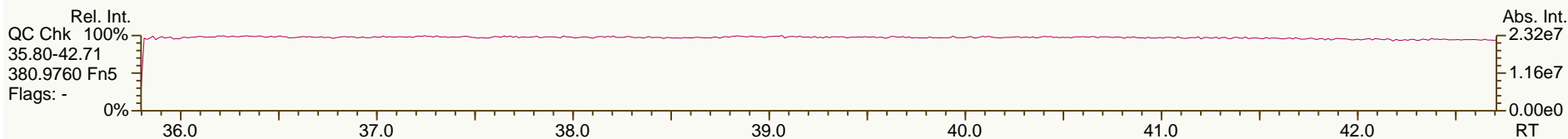
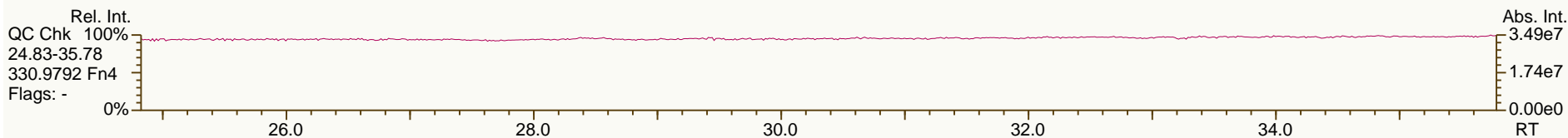
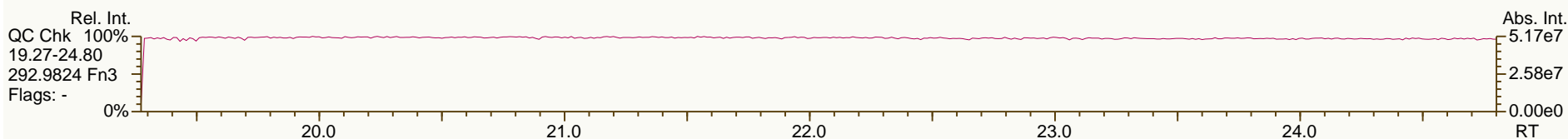
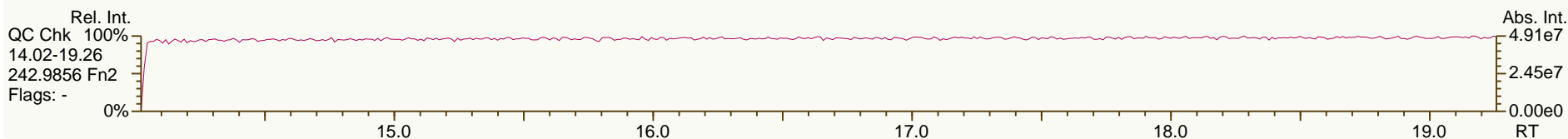
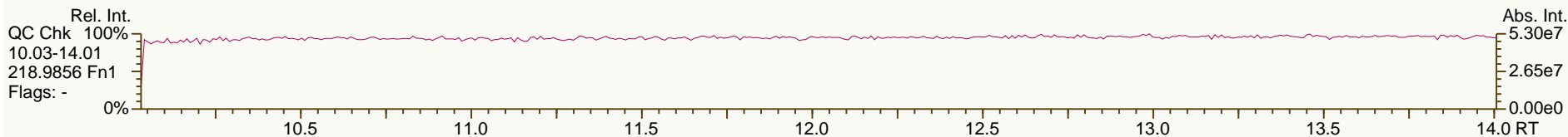
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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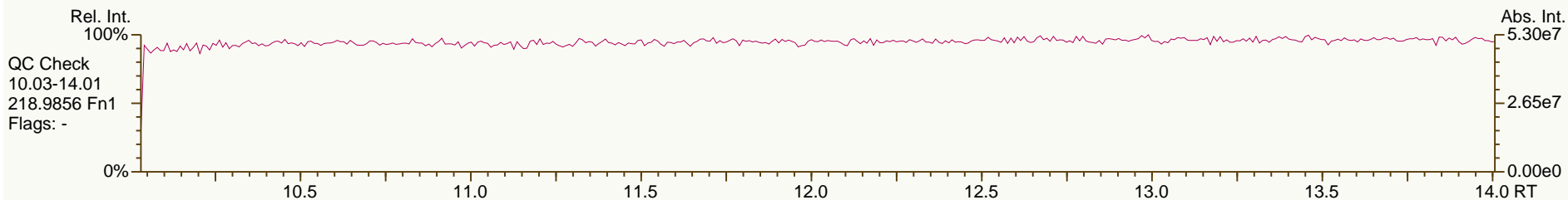
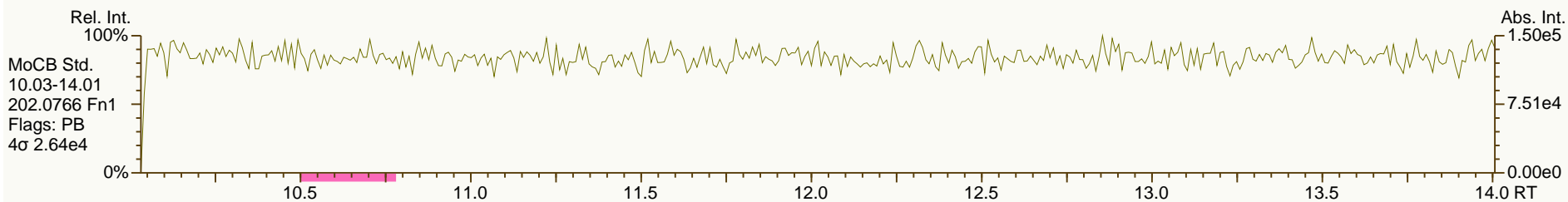
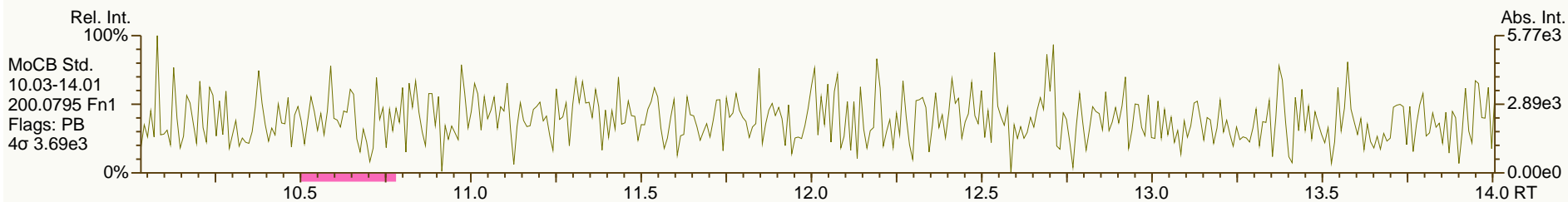
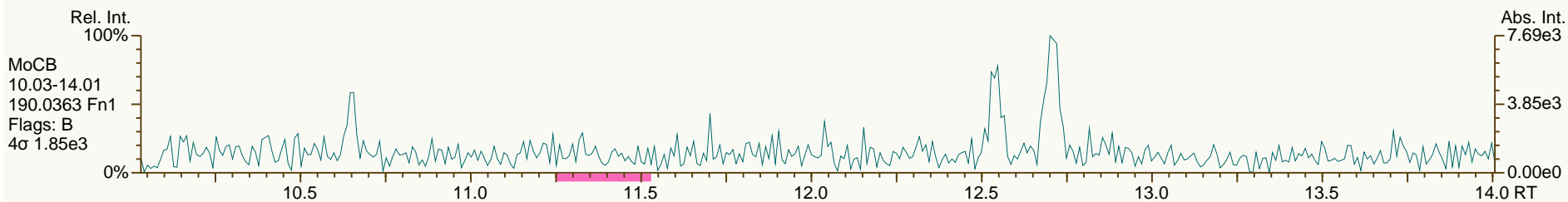
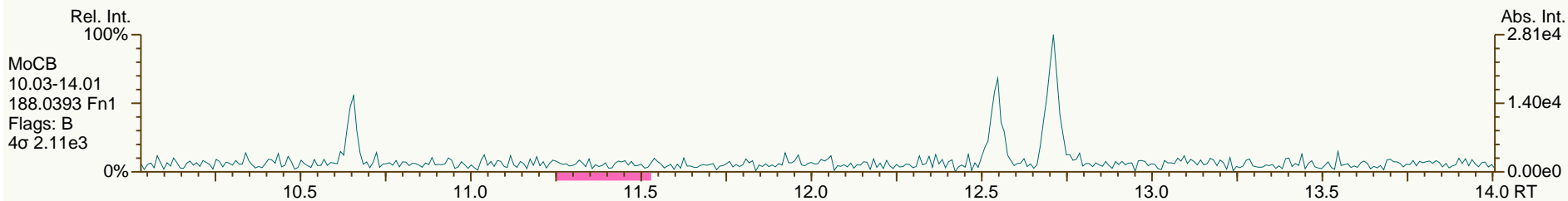
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

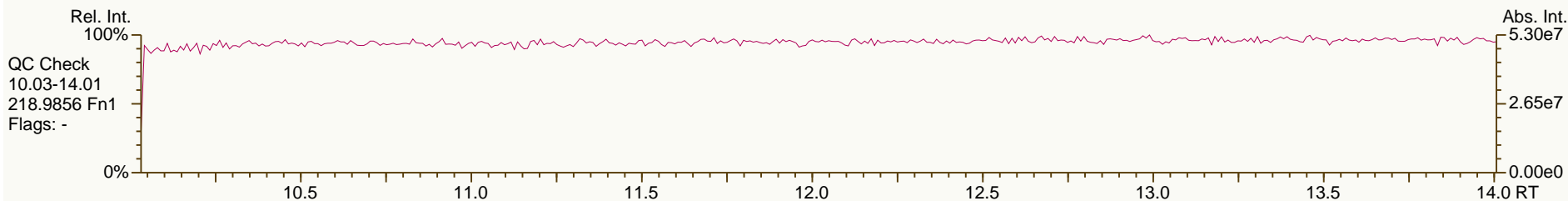
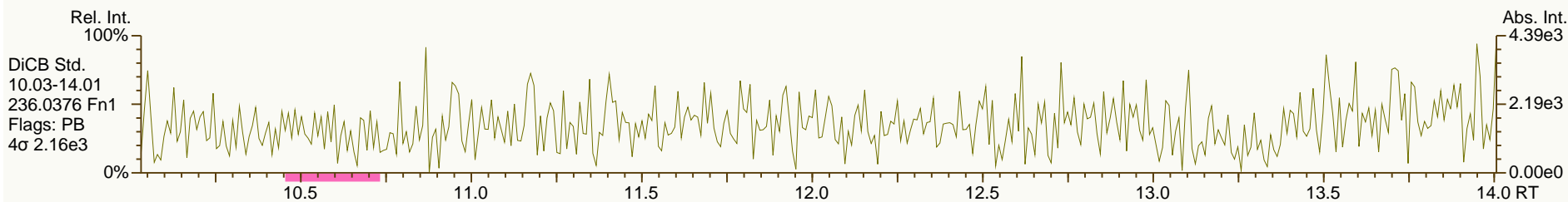
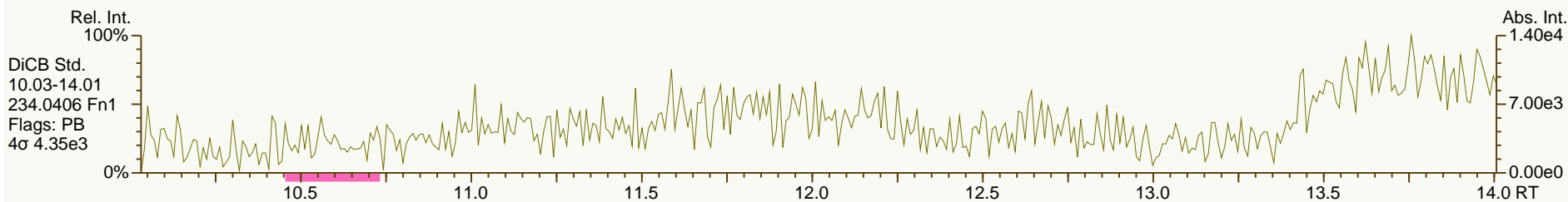
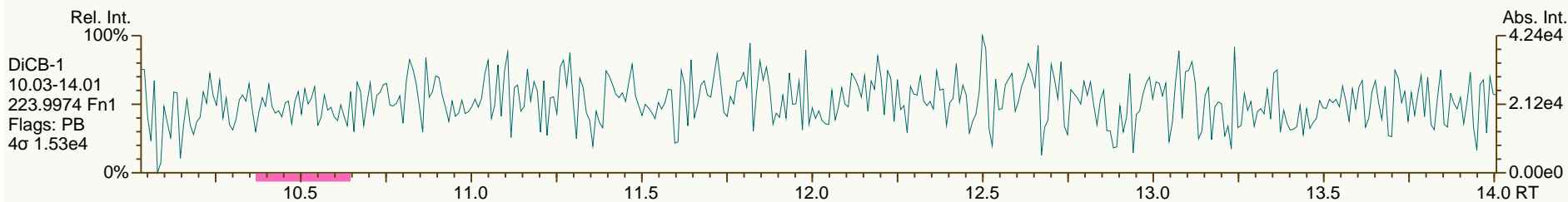
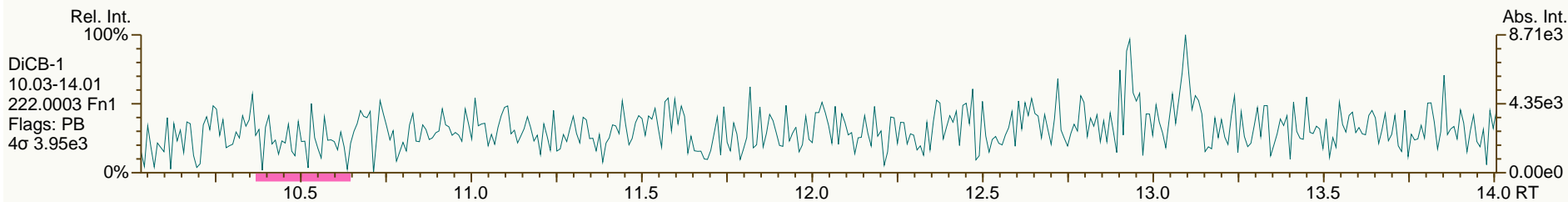
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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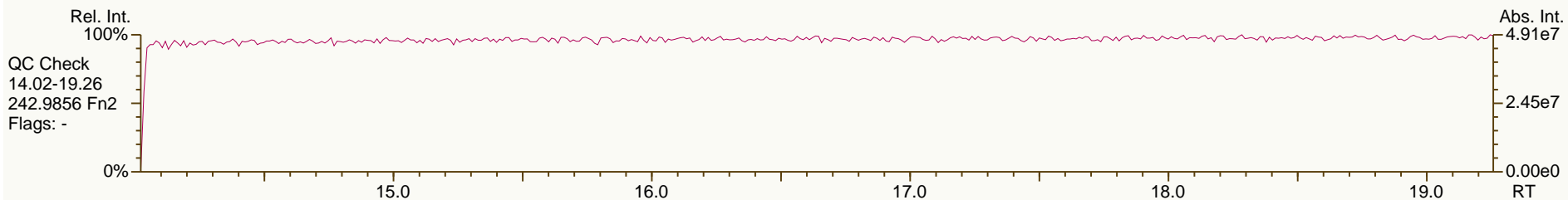
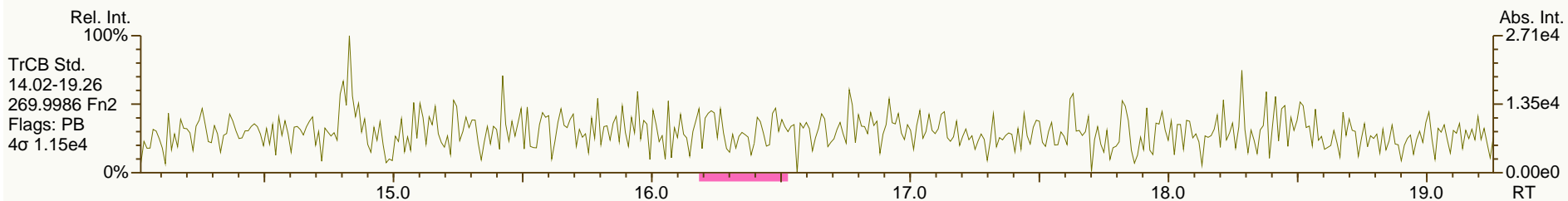
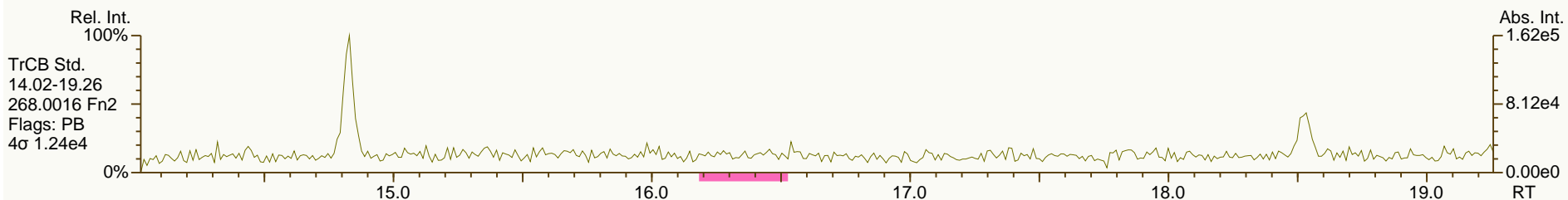
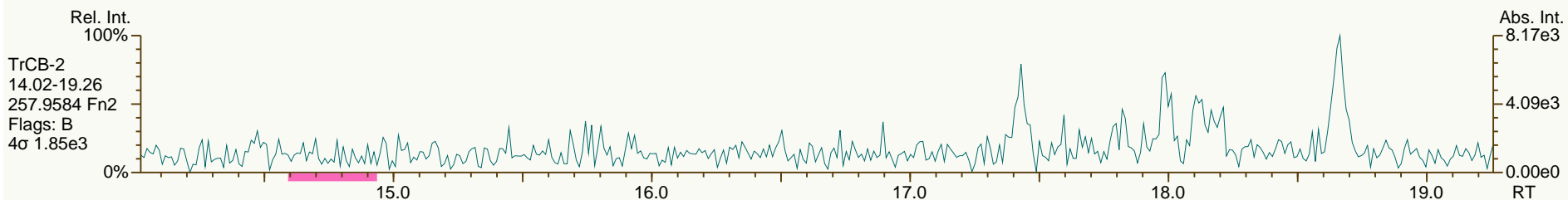
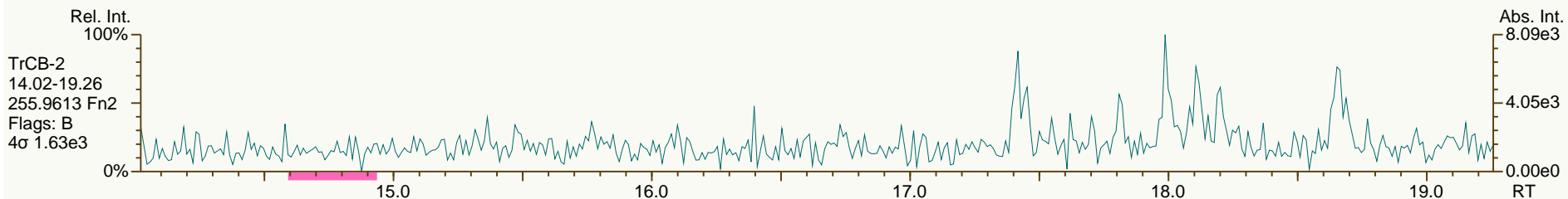
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AP Lab ID: SBS_120725_PCB_XI
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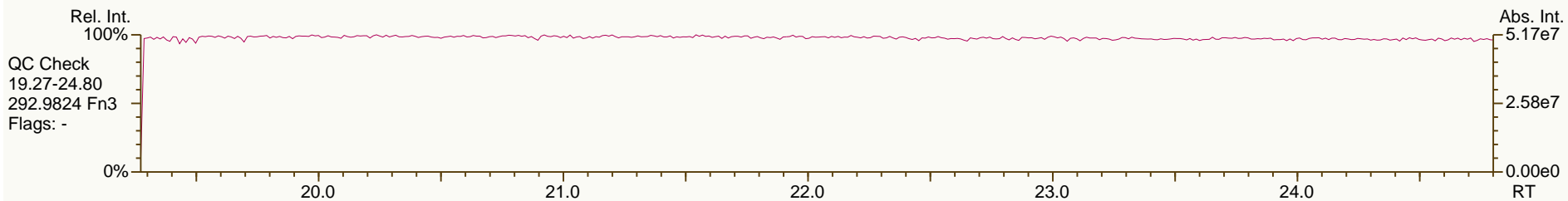
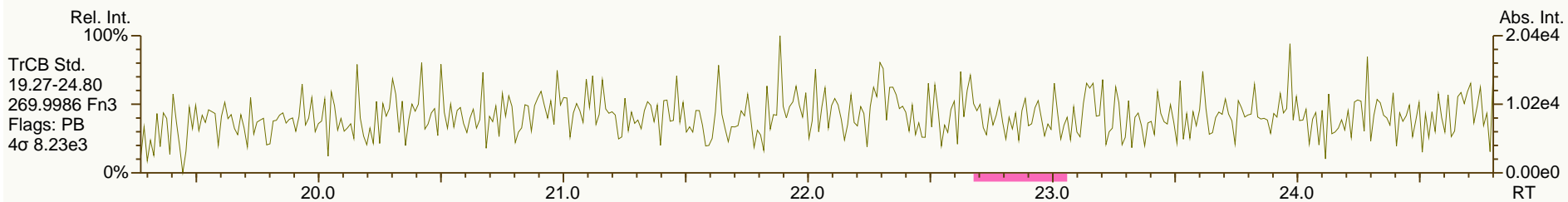
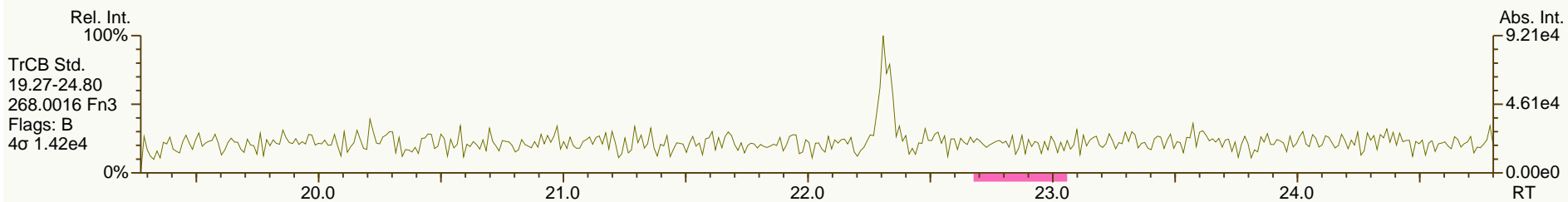
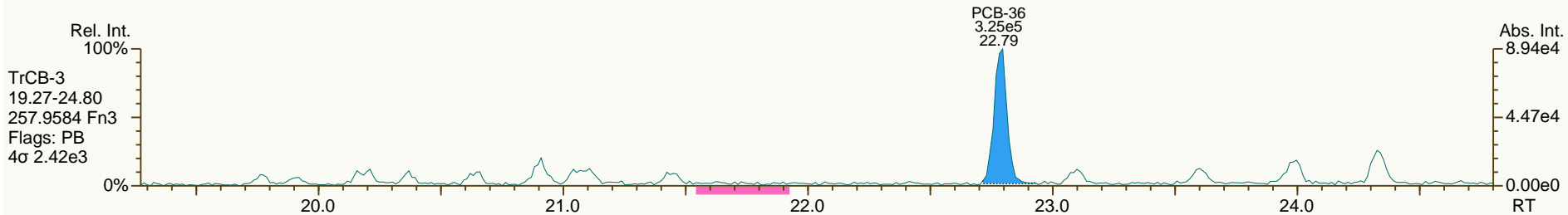
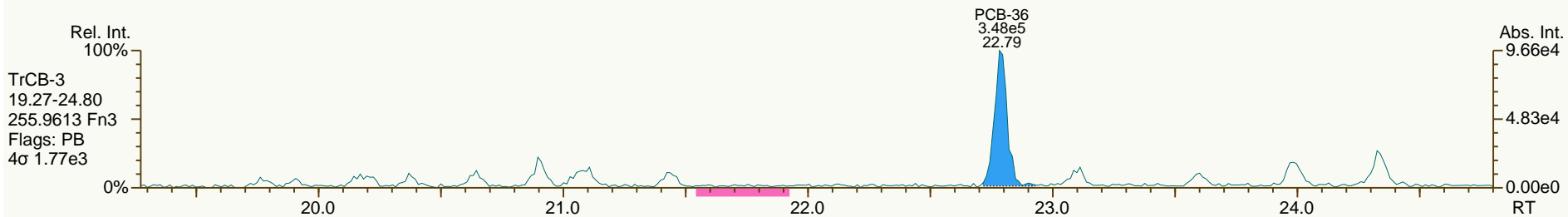
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AP Lab ID: SBS_120725_PCB_XI
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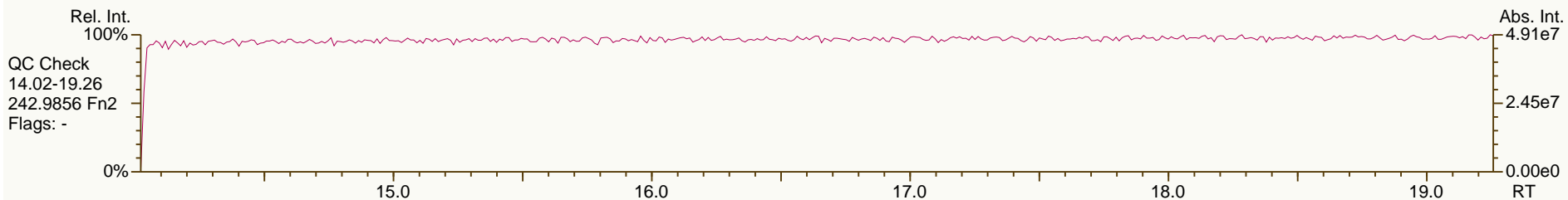
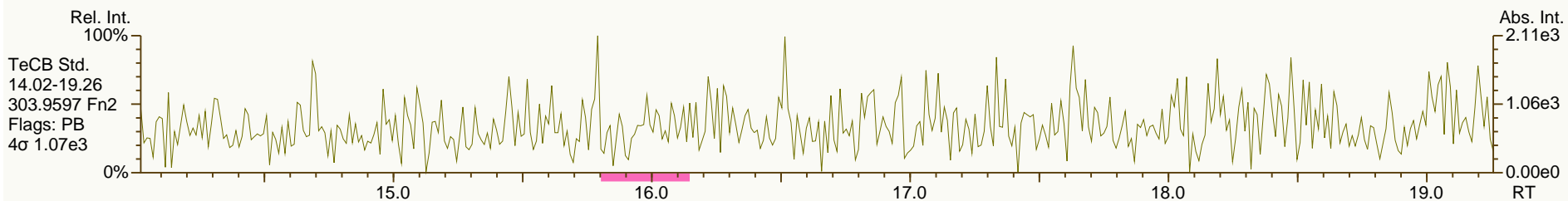
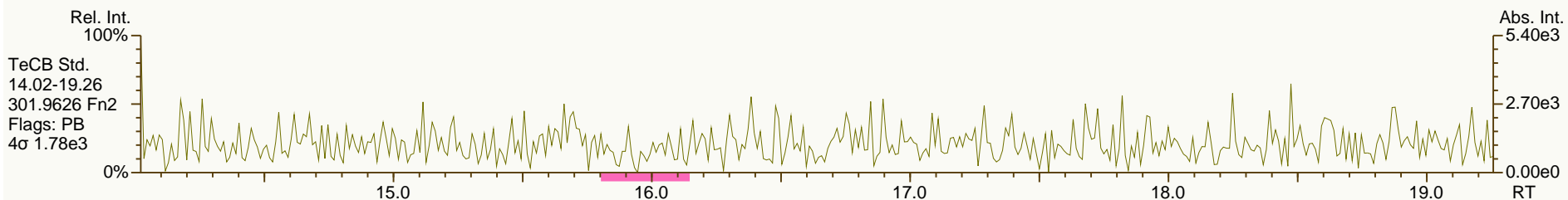
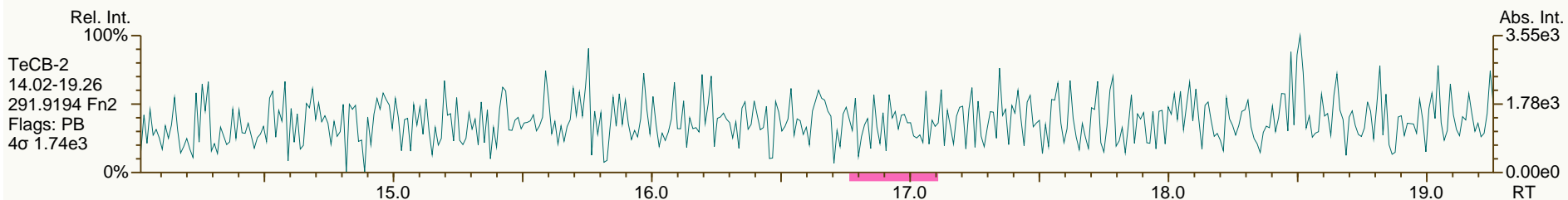
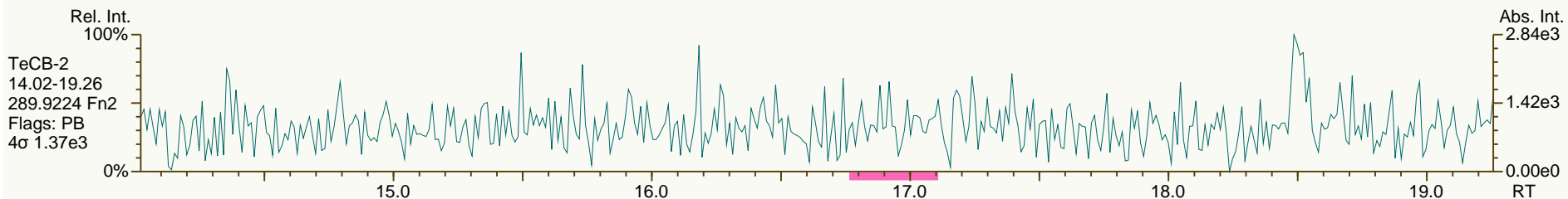
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AP Lab ID: SBS_120725_PCB_XI
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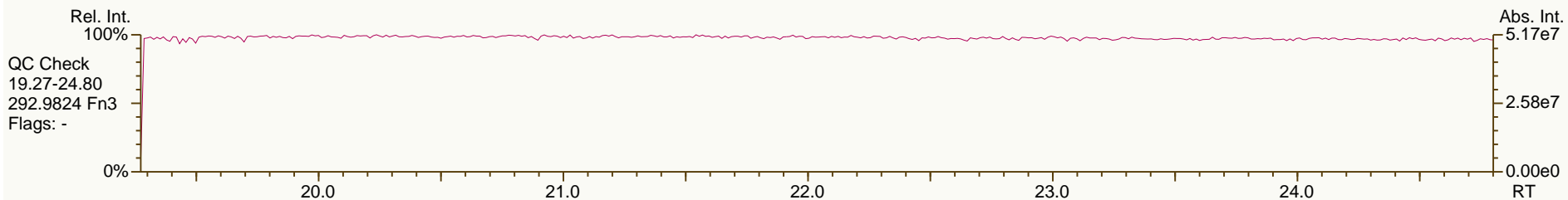
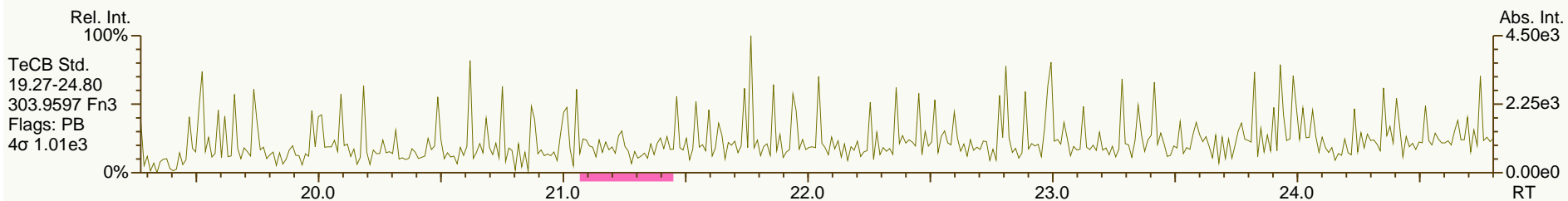
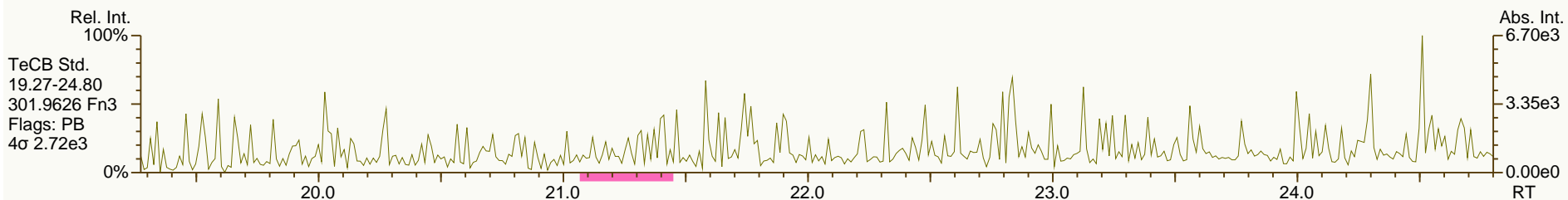
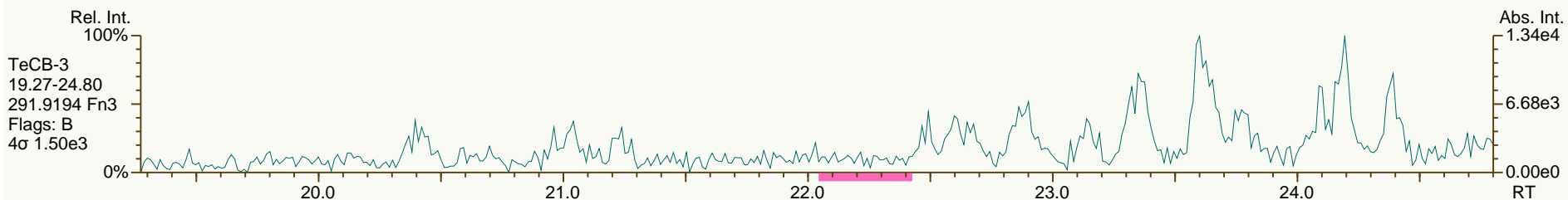
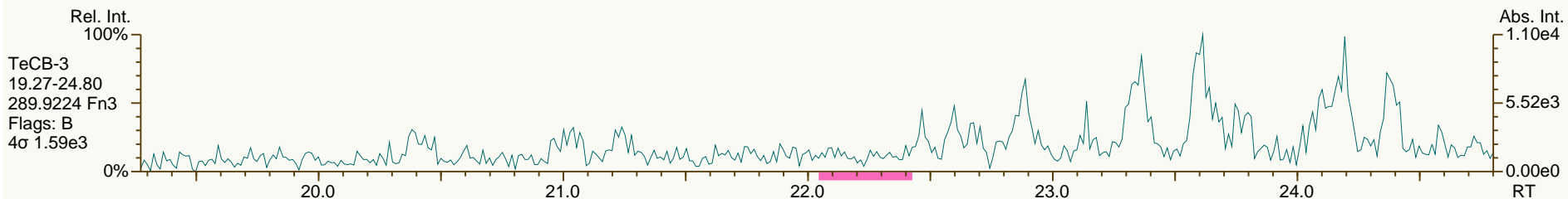
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AP Lab ID: SBS_120725_PCB_XI
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Sample ID: SIL 9-41-1
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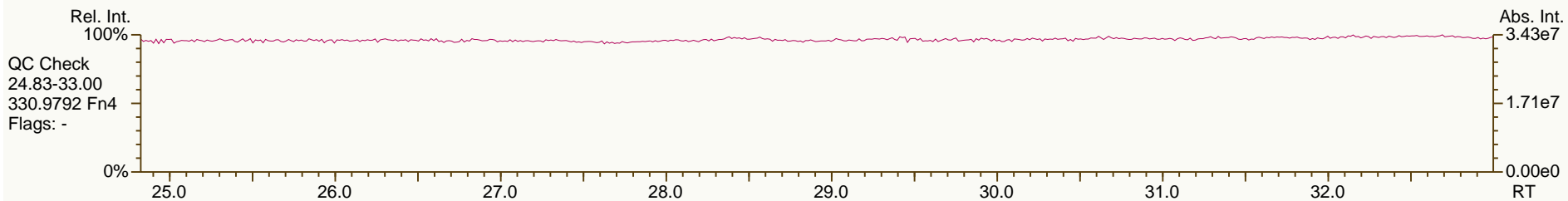
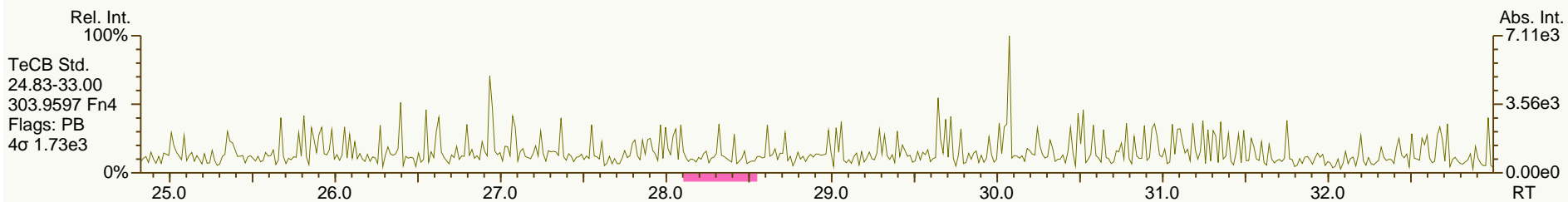
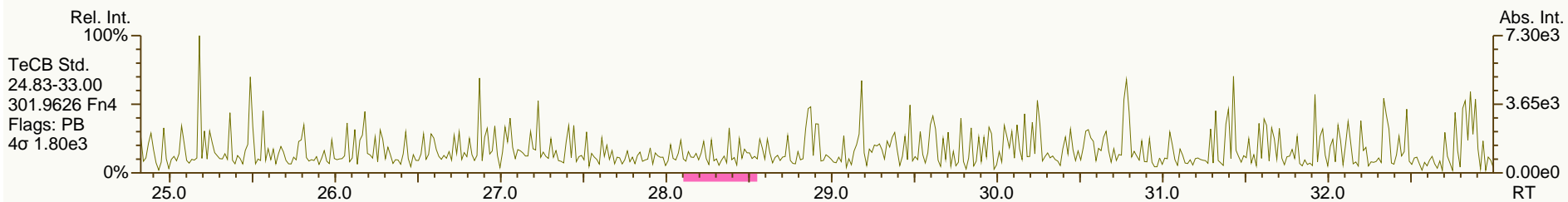
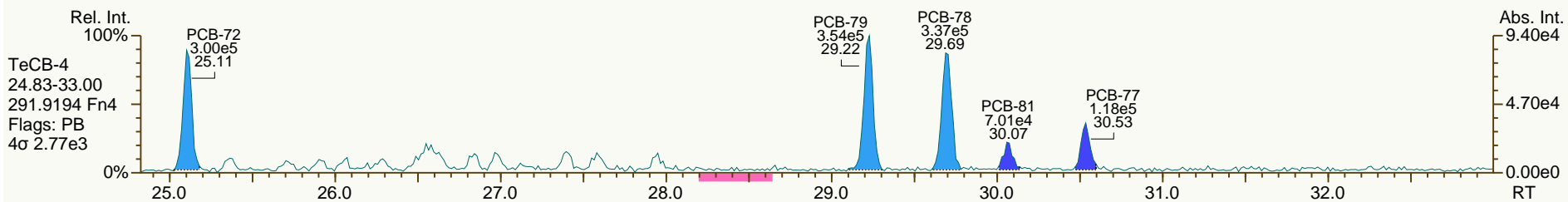
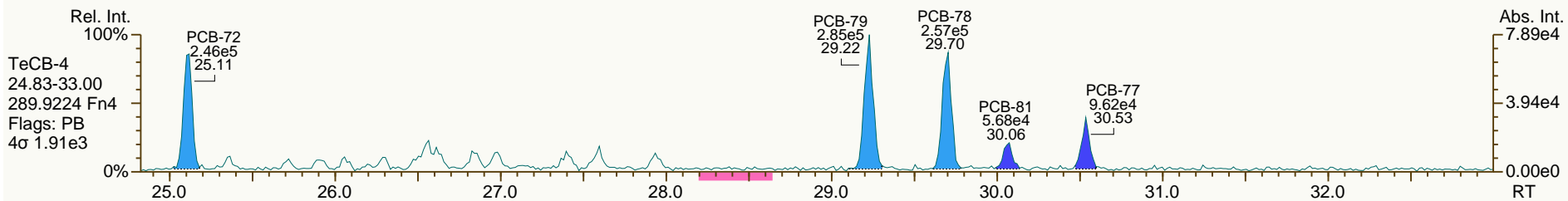
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AP Lab ID: SBS_120725_PCB_XI
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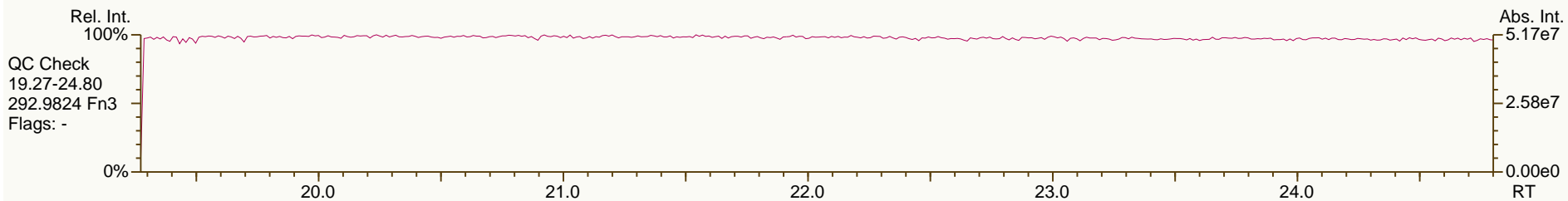
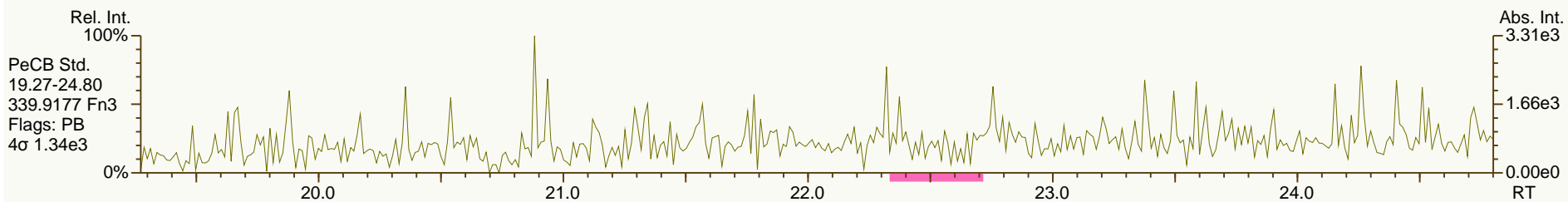
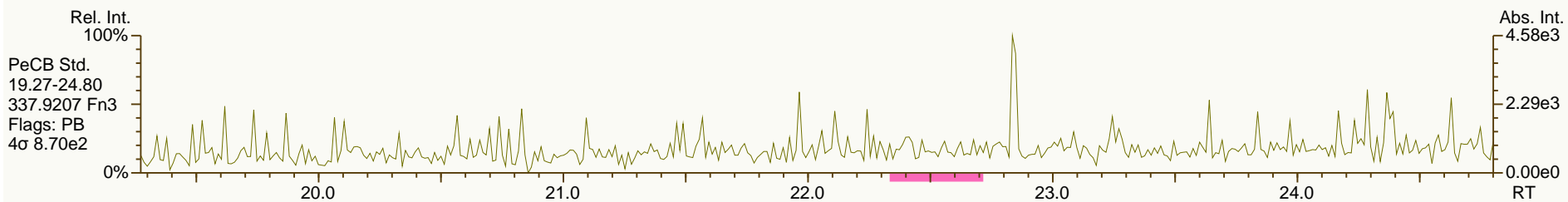
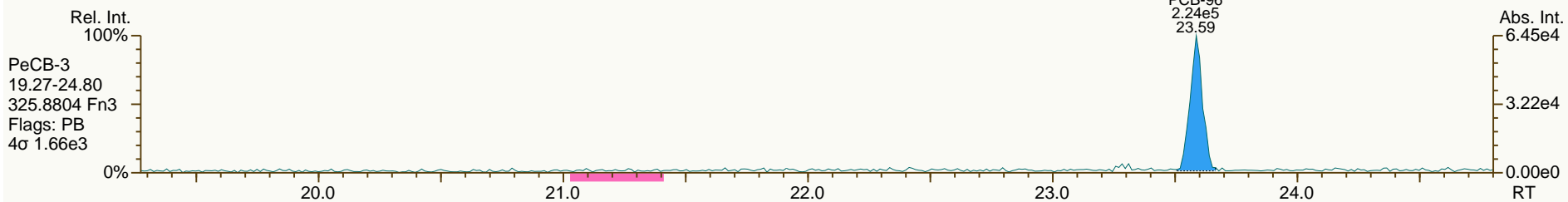
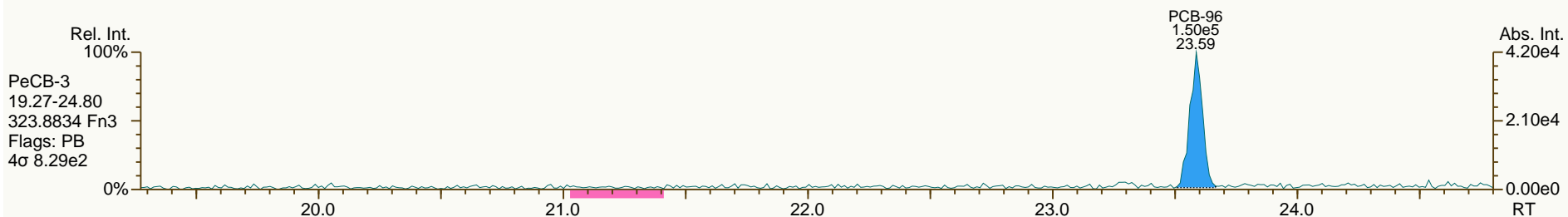
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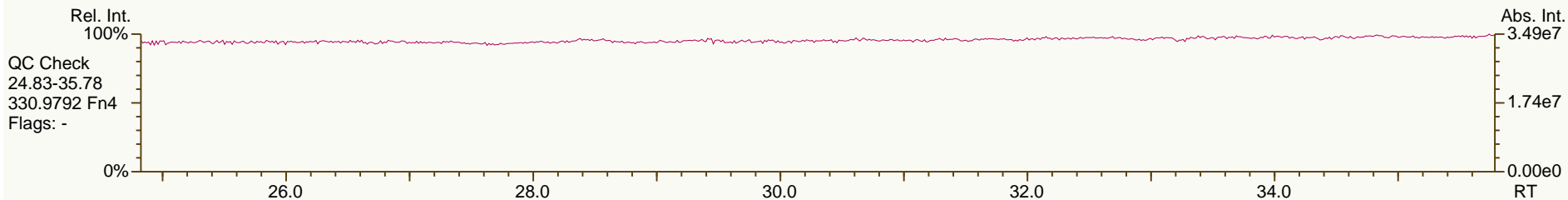
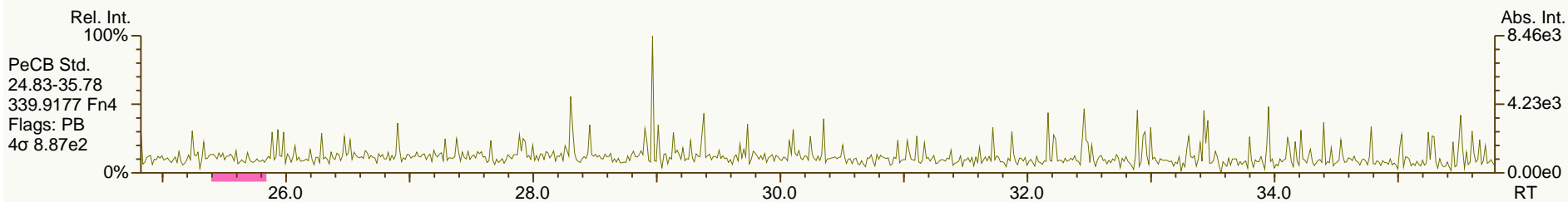
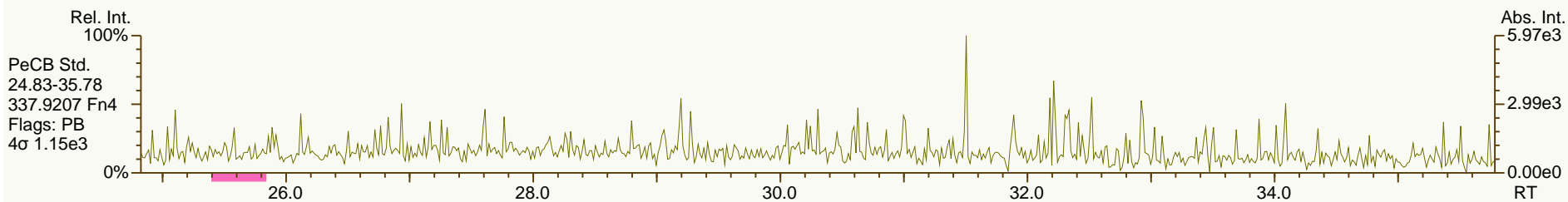
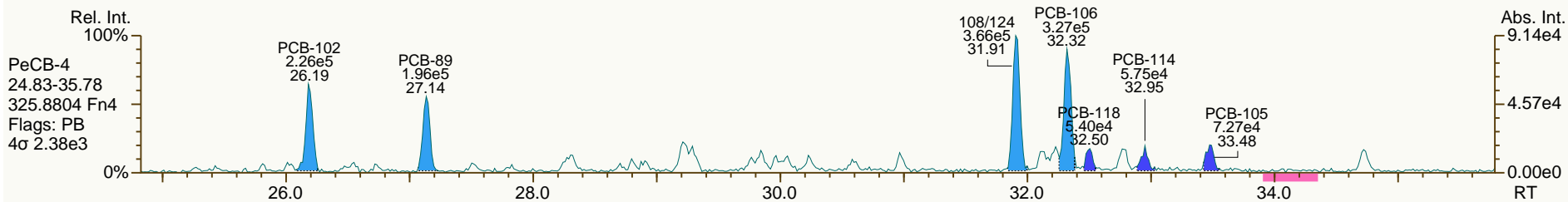
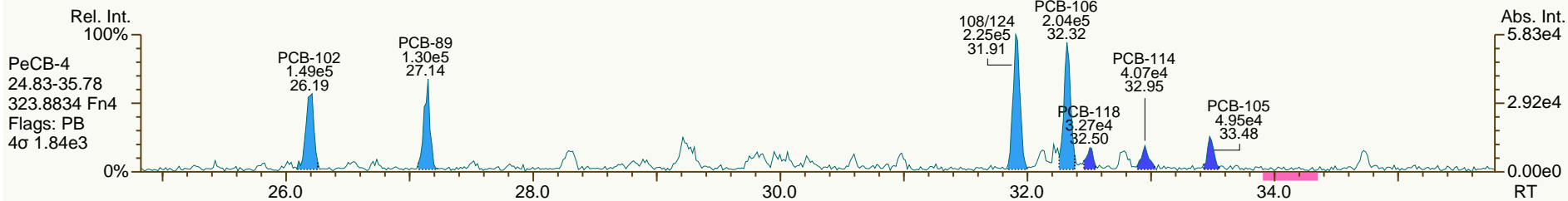
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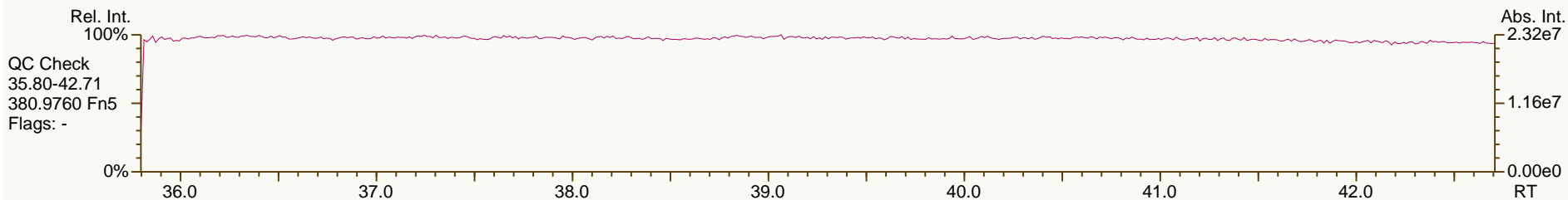
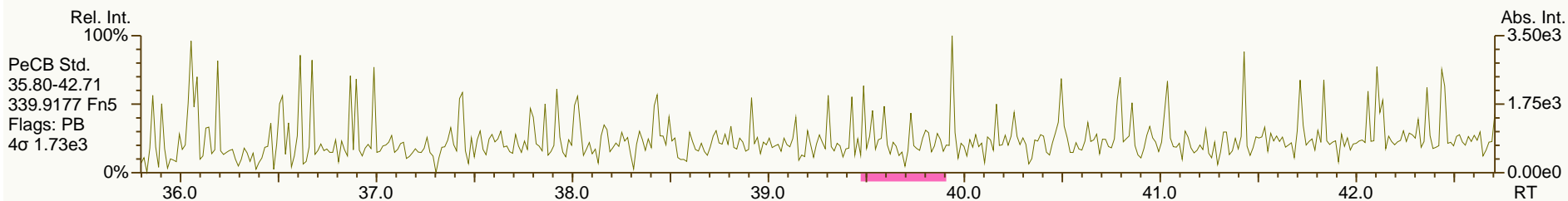
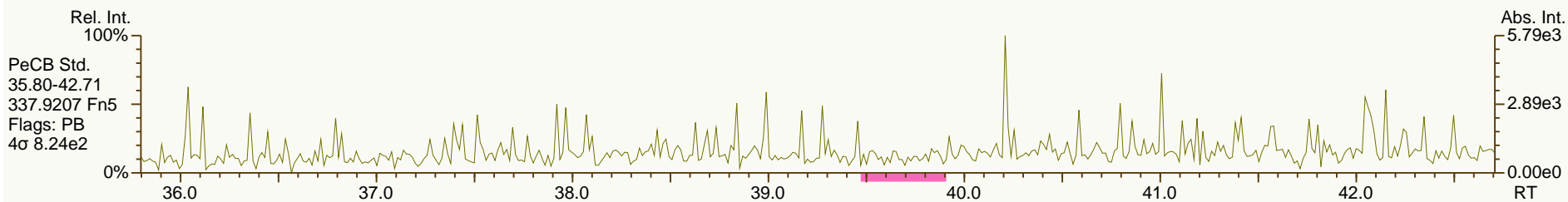
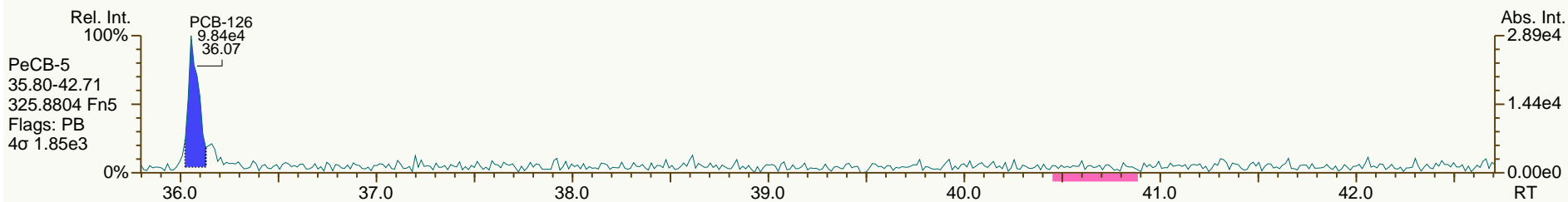
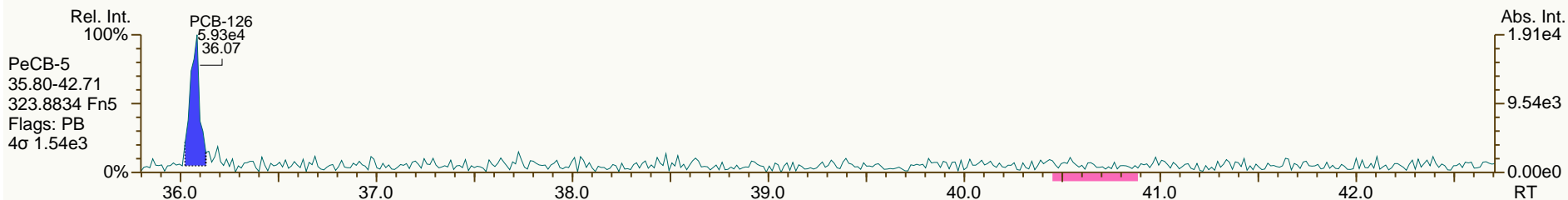
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

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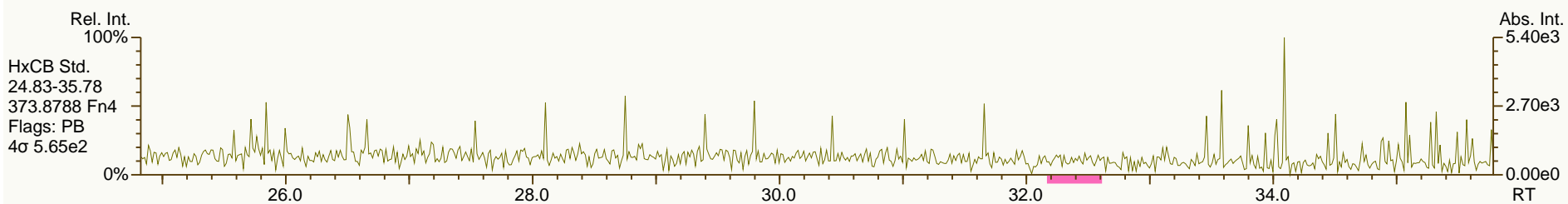
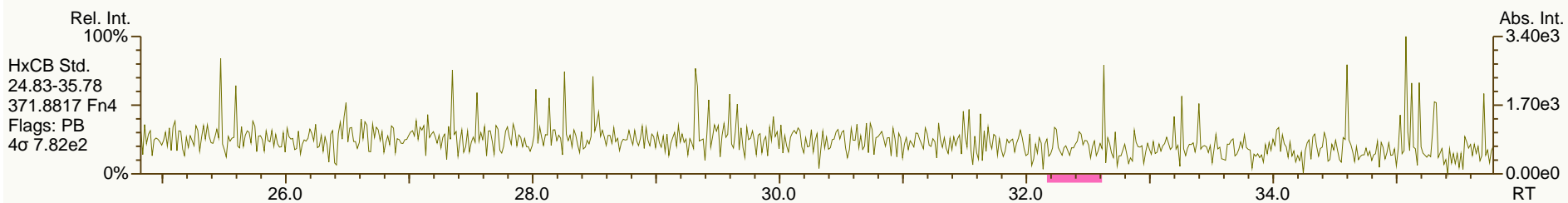
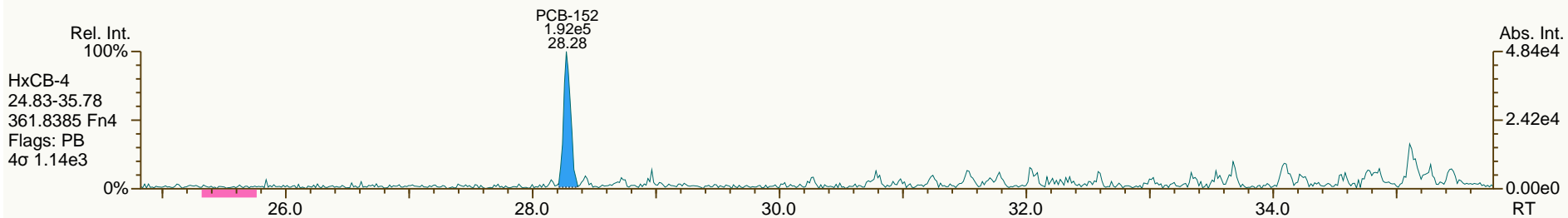
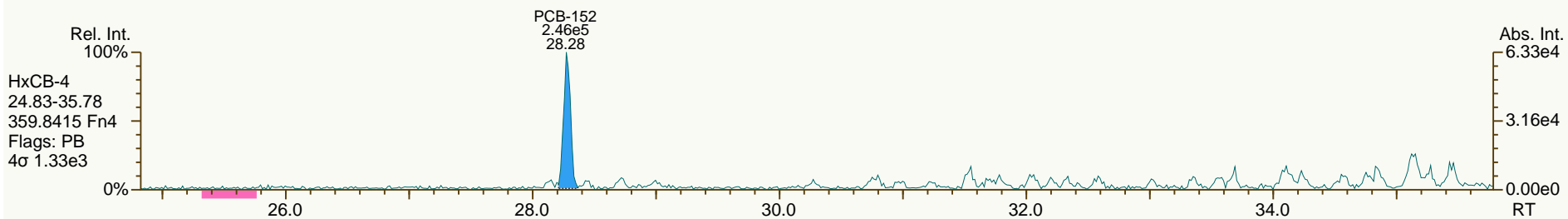
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AP Lab ID: SBS_120725_PCB_XI
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Sample ID: SIL 9-41-1
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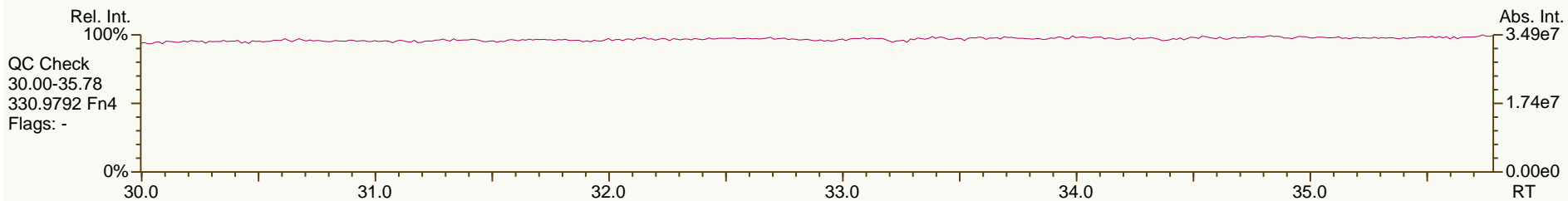
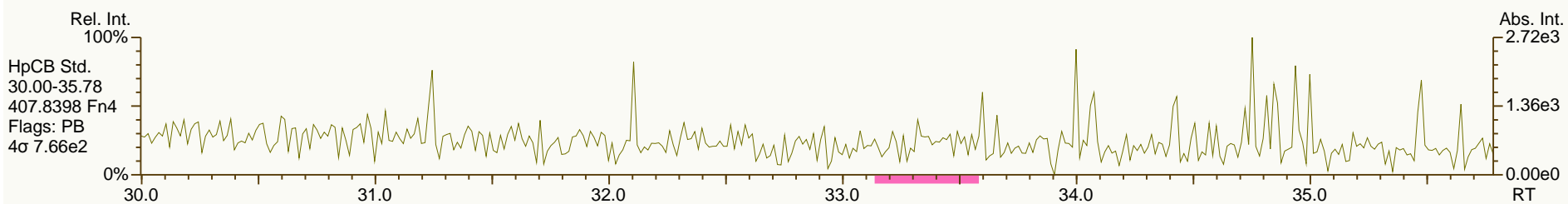
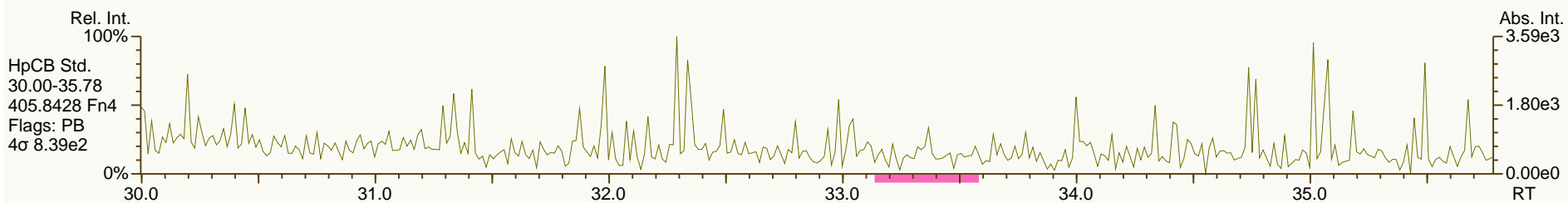
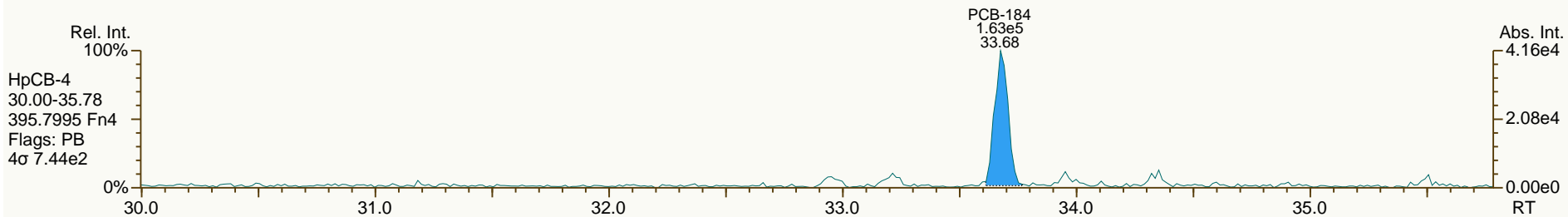
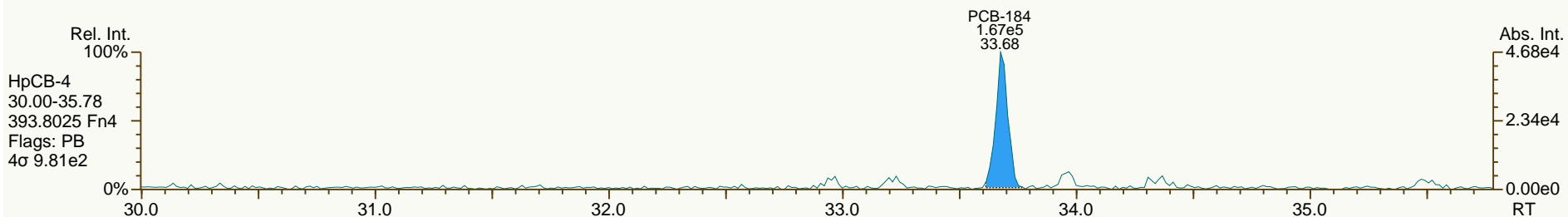
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

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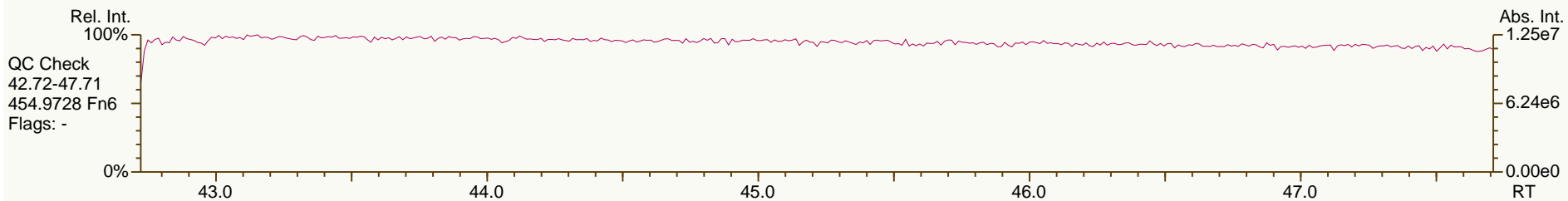
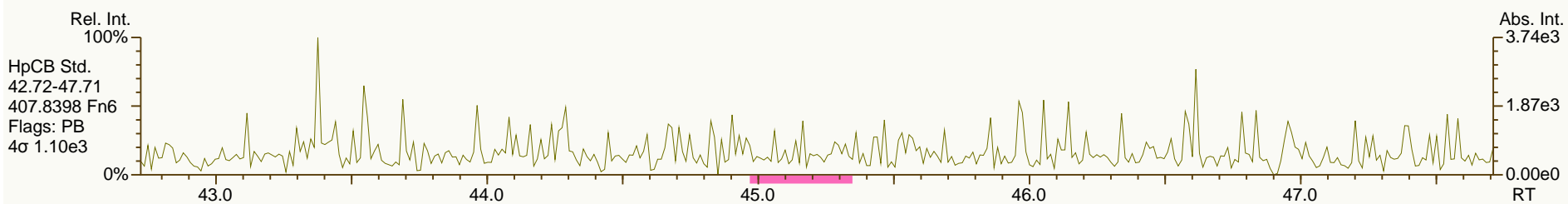
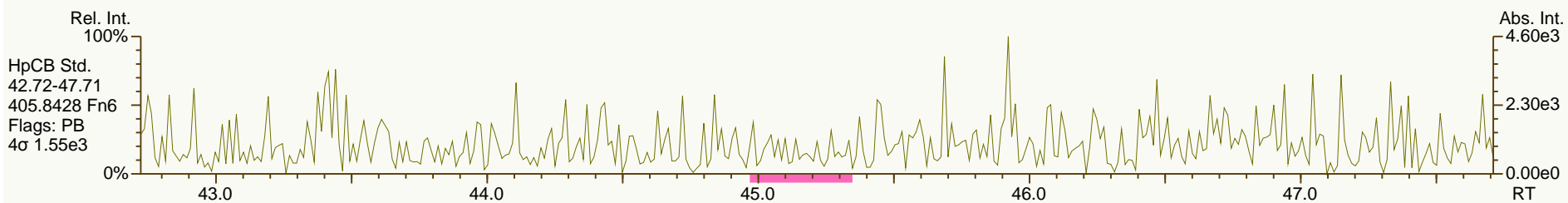
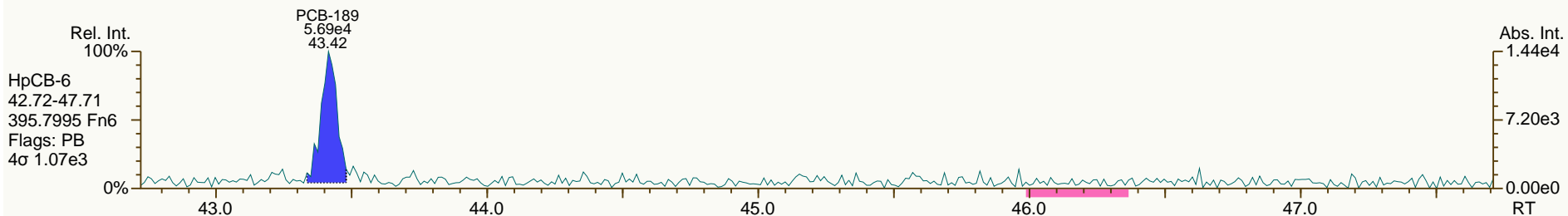
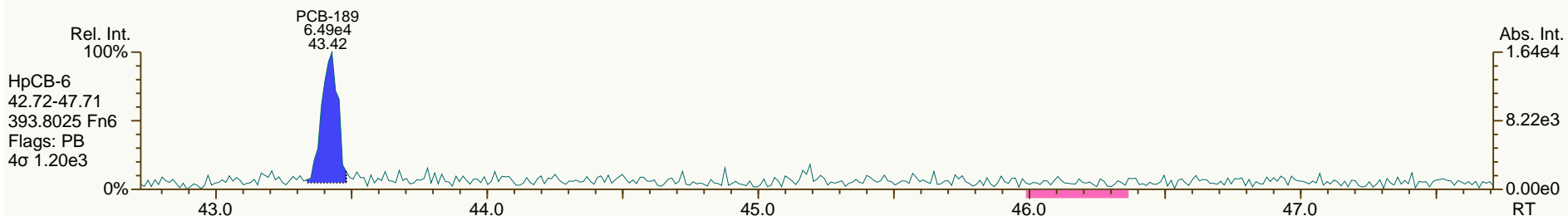
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 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
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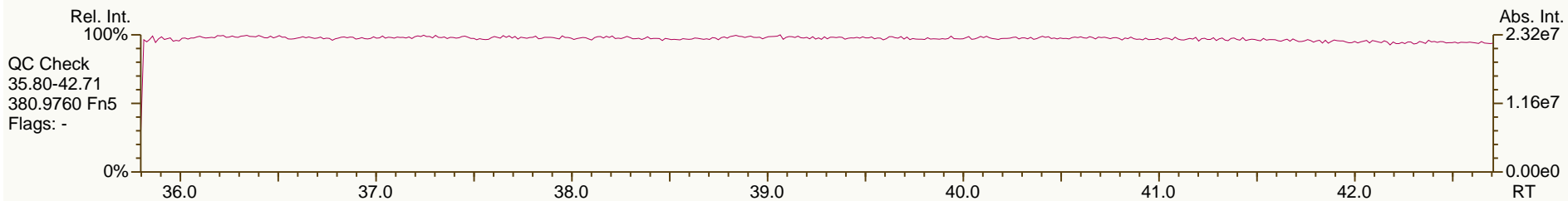
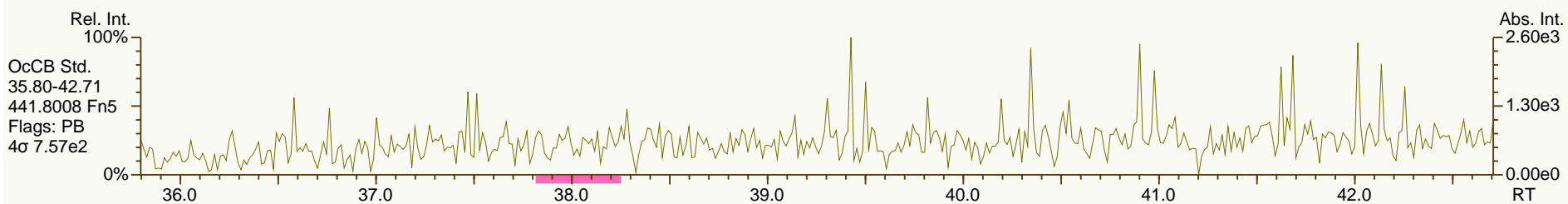
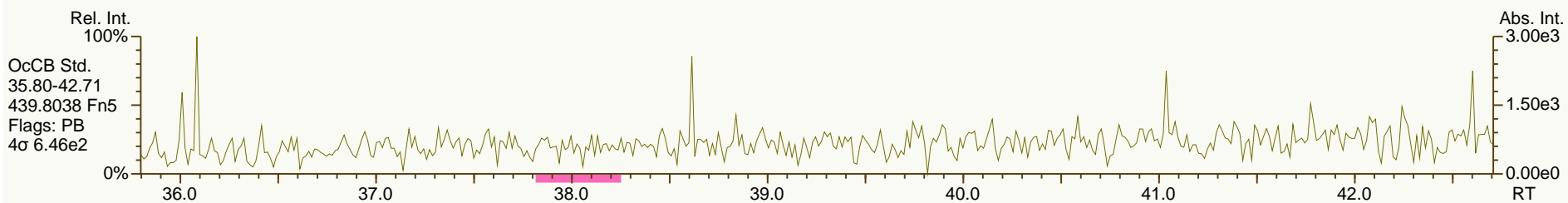
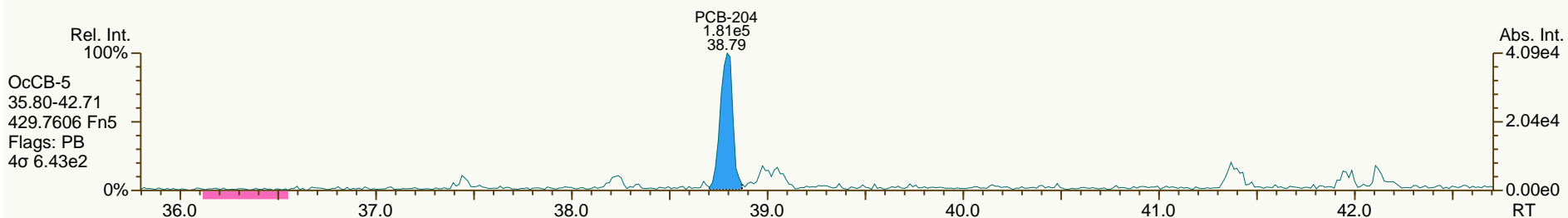
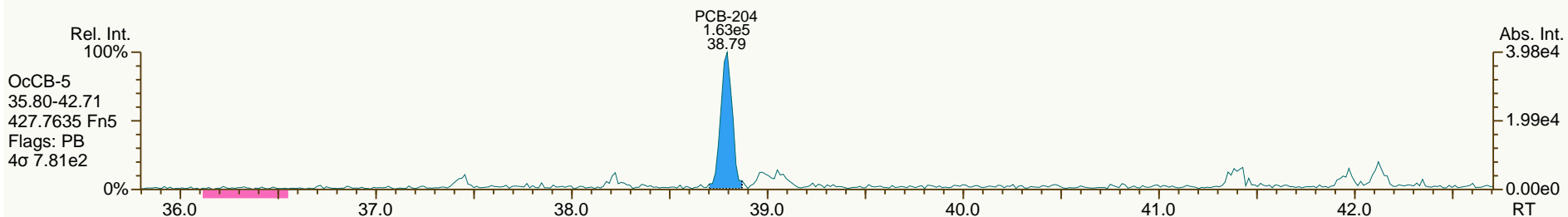
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AP Lab ID: SBS_120725_PCB_XI
 Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
 User: LKB Datafile: 120725X22



AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

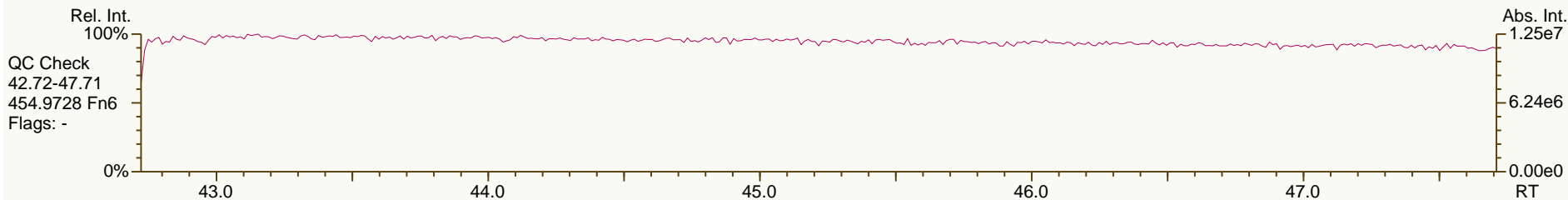
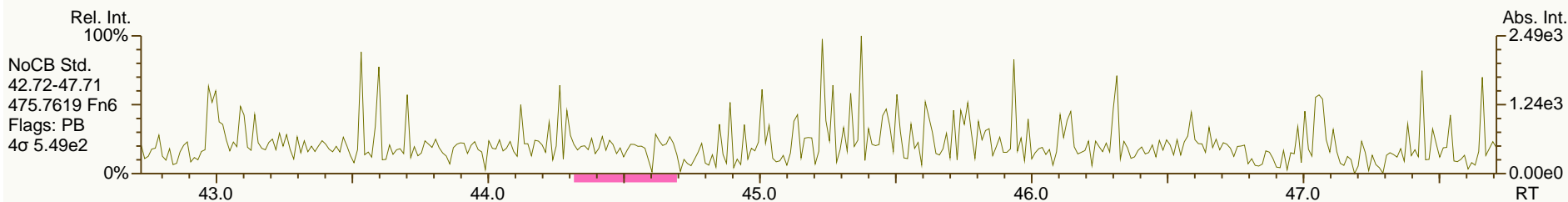
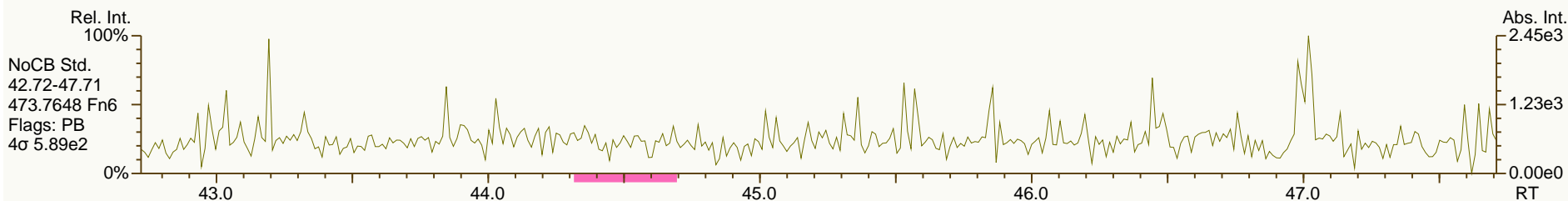
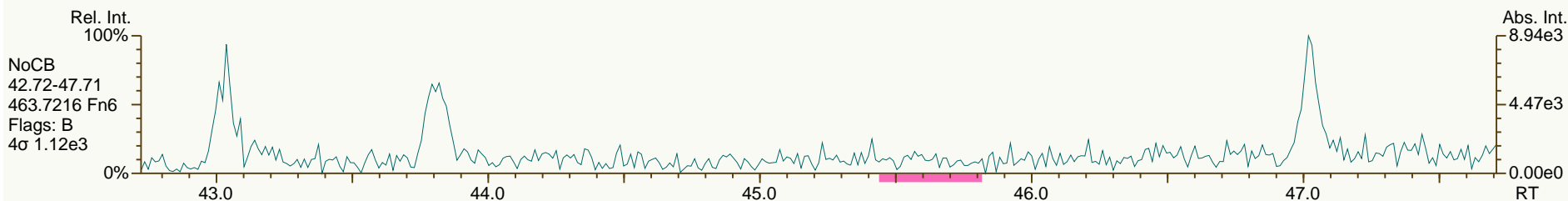
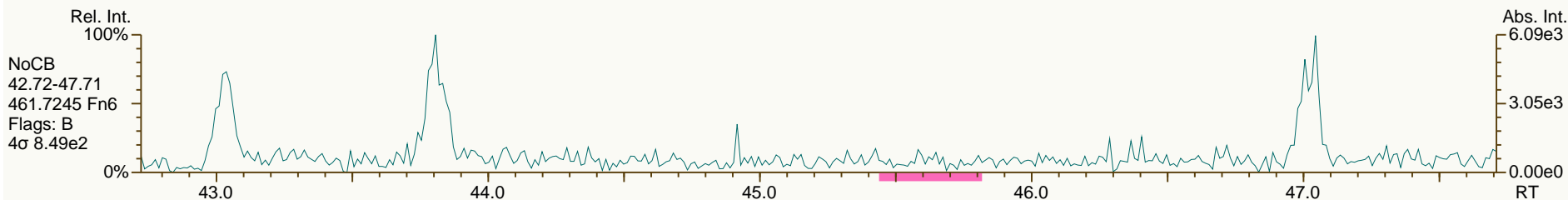
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AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
User: LKB Datafile: 120725X22



AP Lab ID: SBS_120725_PCB_XI
Instr: AutoSpec-Premier MM7

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 02

Acq: 26-Jul-2012 09:25:22
User: LKB Datafile: 120725X22



Lab ID: OPR1_10924_DF

Acq'd: 18 May 2013 23:38 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10924_OPR001

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 587-774-VFR

Datafile: 130518P3-02

Report: 20 May 2013 11:48 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.34		1.0009	1.0009	0	1.82E+06	0.79	Y	1.06	9.63	1295	0.0807
12378-PeCDD	33.65		1.0006	1.0006	0	6.77E+06	1.43	Y	0.94	49	1301	0.0916
123478-HxCDD	38.30		1.0004	1.0005	+0.2	6.08E+06	1.26	Y	1.02	53	982	0.0771
123678-HxCDD	38.43		1.0040	1.0039	-0.2	6.16E+06	1.26	Y	1.04	52.5	982	0.0801
123789-HxCDD	38.77		1.0128	1.0128	0	6.13E+06	1.26	Y	0.98	47.7	982	0.0715
1234678-HpCDD	42.47		1.0003	1.0004	+0.3	5.58E+06	1.04	Y	1.02	48.9	1112	0.0758
OCDD	46.16		1.0003	1.0004	+0.3	7.53E+06	0.89	Y	1.08	101	854	0.106
2378-TCDF	26.34		1.0010	1.0009	-0.2	2.93E+06	0.79	Y	0.97	10.6	1297	0.0592
12378-PeCDF	31.91		1.0006	1.0006	0	1.12E+07	1.54	Y	1.00	49.4	2741	0.124
23478-PeCDF	33.24		1.0006	1.0006	0	1.11E+07	1.53	Y	0.96	51.5	2741	0.121
123478-HxCDF	37.13		1.0005	1.0005	0	9.41E+06	1.24	Y	1.23	49	1600	0.0742
123678-HxCDF	37.29		1.0005	1.0005	0	9.79E+06	1.25	Y	1.14	48.6	1600	0.075
234678-HxCDF	38.08		1.0005	1.0005	0	9.75E+06	1.23	Y	1.14	49.5	1600	0.0713
123789-HxCDF	39.19		1.0005	1.0005	0	8.42E+06	1.26	Y	1.13	48.7	1600	0.0867
1234678-HpCDF	41.18		1.0004	1.0004	0	8.64E+06	1.07	Y	1.34	51.2	962	0.0517
1234789-HpCDF	43.07		1.0003	1.0003	0	7.40E+06	1.06	Y	1.30	48.7	962	0.0552
OCDF	46.39		1.0007	1.0004	-0.8	1.09E+07	0.92	Y	1.00	103	1172	0.117

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.31	1.0282	1.0284	+0.3	1.77E+07	0.77	Y	1.01	90.6
ES 12378-PeCDD	33.63	1.2656	1.2662	+1.0	1.47E+07	1.42	Y	0.90	84.9
ES 123478-HxCDD	38.28	0.9909	0.9908	-0.2	1.12E+07	1.32	Y	0.99	81.8
ES 123678-HxCDD	38.41	0.9944	0.9943	-0.2	1.13E+07	1.25	Y	1.02	80.2
ES 123789-HxCDD	38.75	1.0031	1.0031	0	1.31E+07	1.24	Y	1.12	85.2
ES 1234678-HpCDD	42.45	1.0987	1.0987	0	1.12E+07	1.06	Y	0.90	89.6
ES OCDD	46.14	1.1942	1.1942	0	1.39E+07	0.91	Y	0.74	67.9
ES 2378-TCDF	26.32	1.0623	1.0628	+0.7	2.84E+07	0.79	Y	1.05	86
ES 12378-PeCDF	31.89	1.2870	1.2879	+1.3	2.28E+07	1.52	Y	0.88	83.1
ES 23478-PeCDF	33.22	1.3404	1.3416	+1.8	2.23E+07	1.60	Y	0.91	78.2
ES 123478-HxCDF	37.11	0.9605	0.9605	0	1.56E+07	0.52	Y	1.25	90.3
ES 123678-HxCDF	37.28	0.9649	0.9648	-0.2	1.77E+07	0.53	Y	1.40	92
ES 234678-HxCDF	38.06	0.9852	0.9852	0	1.72E+07	0.52	Y	1.29	96.4
ES 123789-HxCDF	39.18	1.0140	1.0140	0	1.53E+07	0.54	Y	1.17	95
ES 1234678-HpCDF	41.16	1.0654	1.0653	-0.2	1.26E+07	0.45	Y	1.03	88.8
ES 1234789-HpCDF	43.06	1.1142	1.1144	+0.5	1.17E+07	0.46	Y	0.89	96
ES OCDF	46.38	1.2003	1.2003	0	2.12E+07	0.90	Y	1.00	76.9

APPROVED

By Amy Boehm at 4:37 pm, May 22, 2013

Lab ID: OPR1_10924_DF

Acq'd: 18 May 2013 23:38 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10924_OPR001

UTP: 20-May-2013 11:48 MDC

J-level: 5 pg/L Split: 1

Checkcode: 587-774-VFR

Datafile: 130518P3-02

Report: 20 May 2013 11:48 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.56		-	-	-	1.94E+07	0.81	Y	-	-
JS 1234-TCDF	24.76		-	-	-	3.13E+07	0.79	Y	-	-
JS 123467-HxCDD	38.64		-	-	-	6.88E+06	1.29	Y	-	-
CS 37Cl-2378-TCDD	27.34		1.0292	1.0294	+0.3	8.39E+06	n/a	-	1.10	98.6
CS 12347-PeCDD	33.03		1.2432	1.2438	+1.0	1.51E+07	1.67	Y	0.79	98.3
CS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.60	Y	0.87	95.4
CS 123469-HxCDF	37.64		0.9743	0.9743	0	1.78E+07	0.53	Y	1.21	107
CS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.31E+07	0.45	Y	0.89	106
SS 37Cl-2378-TCDD	27.34		1.0292	1.0294	+0.3	8.39E+06	n/a	-	1.09	109
SS 12347-PeCDD	33.03		1.2432	1.2438	+1.0	1.51E+07	1.67	Y	0.89	115
SS 12346-PeCDF	31.27		1.2618	1.2628	+1.5	2.58E+07	1.60	Y	0.99	114
SS 123469-HxCDF	37.64		0.9743	0.9743	0	1.78E+07	0.53	Y	0.87	116
SS 1234689-HpCDF	41.74		1.0802	1.0803	+0.2	1.31E+07	0.45	Y	0.87	119
AS 1368-TCDD	23.15		0.8721	0.8715	-1.0	1.87E+07	0.80	Y	1.00	96.9
AS 1368-TCDF	20.96		0.8467	0.8466	-0.1	3.49E+07	0.78	Y	1.20	93.1
FS 1278-TCDD	NotFnd		1.0141							
FS 12478-PeCDD	NotFnd		0.9569							
FS 123468-HxCDD	NotFnd		0.9673							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9307							

Totals	Conc	EMPC		
Total TCDD	38.9	38.9	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	68.5	68.5	Original Values	Corrected Values
Total HxCDD	163	163	Ratio 0.79	0.79
Total HpCDD	58.8	58.8	Response 1.82E+06	1.82E+06
Total Tetra-Octa Dioxins	430	430		
Total TCDF	42.2	42.2		
Total PeCDF	120	120		
Total HxCDF	283	283		
Total HpCDF	99.9	99.9		
Total Tetra-Octa Furans	648	648		
Total Tetra-Octa Dioxins & Furans	1080	1080		

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	9.63	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	49	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	52.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	47.7	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	48.9	35	- 70	Y
OCDD	100	101	78	- 144	Y
2,3,7,8-TCDF	10	10.6	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	49.4	40	- 67	Y
2,3,4,7,8-PeCDF	50	51.5	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	49	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	48.6	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	49.5	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	48.7	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	51.2	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	48.7	39	- 69	Y
OCDF	100	103	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.6	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	84.9	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	81.8	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.2	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	85.2	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	89.6	26	-	166	Y
13C-OCDD	200	136	26	-	397	Y
13C-2,3,7,8-TCDF	100	86	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	83.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	78.2	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	90.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	92	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	96.4	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	95	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	88.8	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96	20	-	186	Y
13C-OCDF	200	154	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	39.4	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 May 2013 11:49 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130518P3-02 Analysis Date: 18-MAY-2013 23:38:39
 Lab ID: OPR1_10924_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.18	1289-TCDD	28.48
12479/12468-PeCDD	30.69	12389-PeCDD	34.17
124679/124689-HxCDD	36.26	123789-HxCDD	38.77
1234679-HpCDD	41.57	1234678-HpCDD	42.47
1368-TCDF	20.99	1289-TCDF	28.69
13468/12468-PeCDF	28.61	12389-PeCDF	34.51
123468-HxCDF	35.47	123789-HxCDF	39.19
1234678-HpCDF	41.18	1234789-HpCDF	43.07

Isomer Specificity Test Standard Results

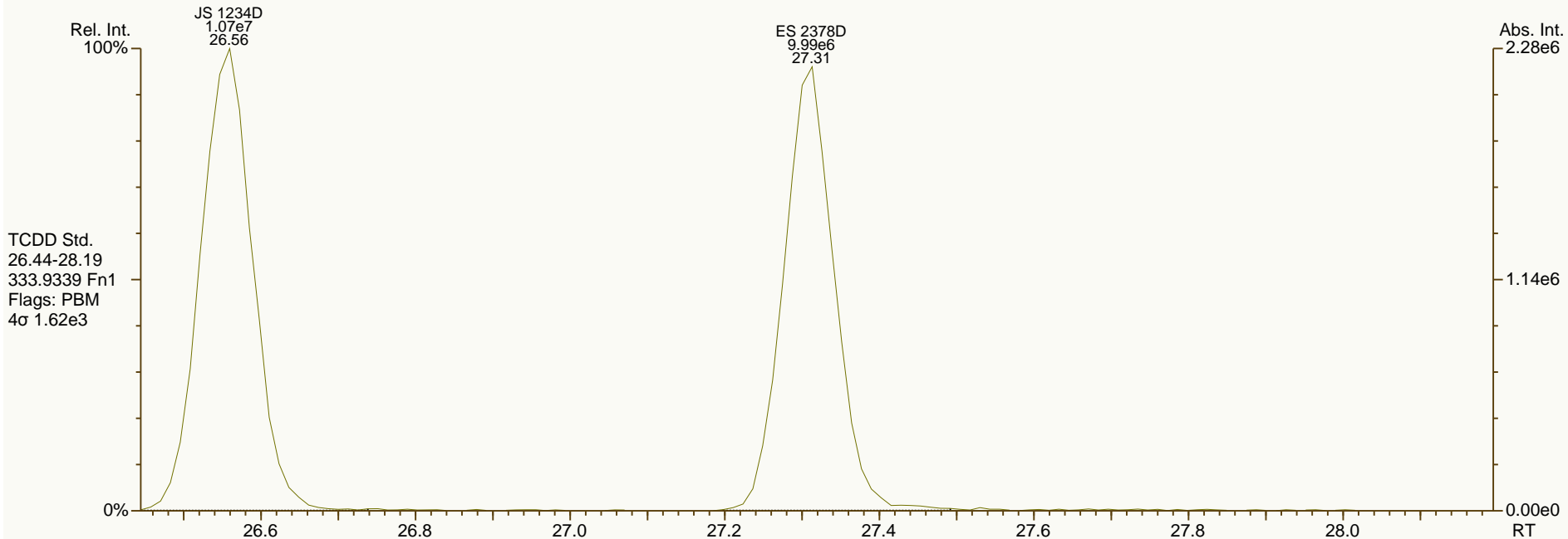
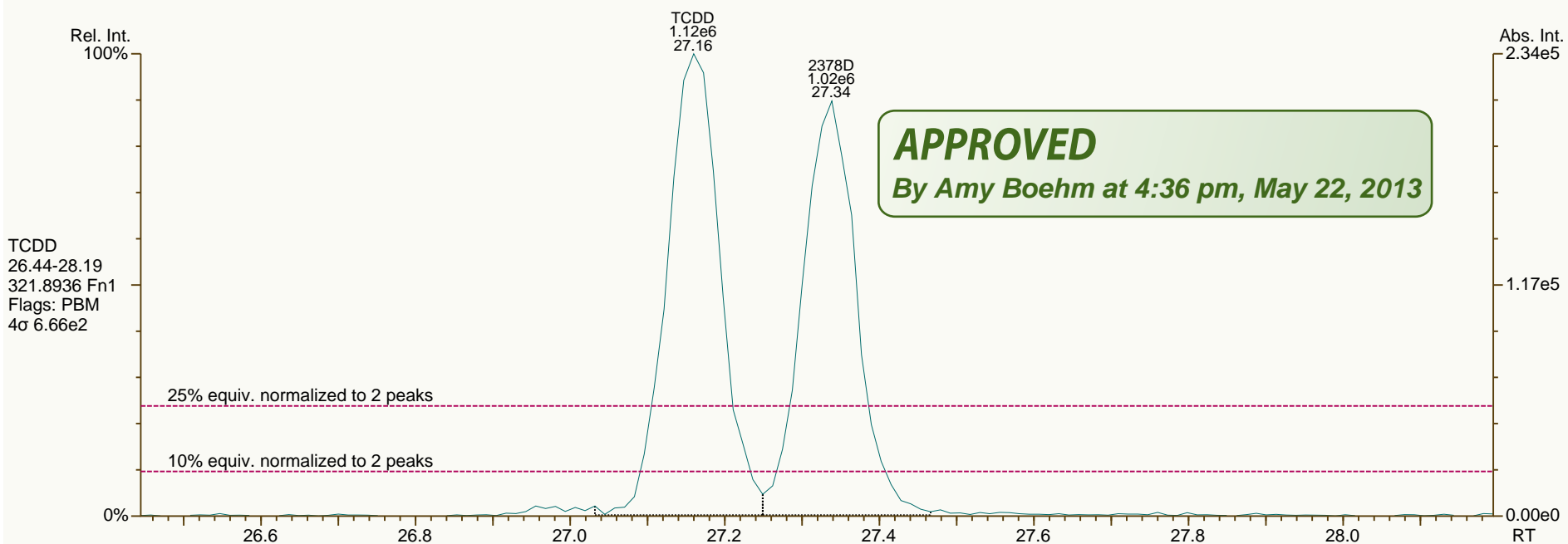
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.16	2378-TCDD	27.34
2348-TCDF	26.22	2378-TCDF	26.34

Processed: 20 May 2013 11:49 Analyst: MC

SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

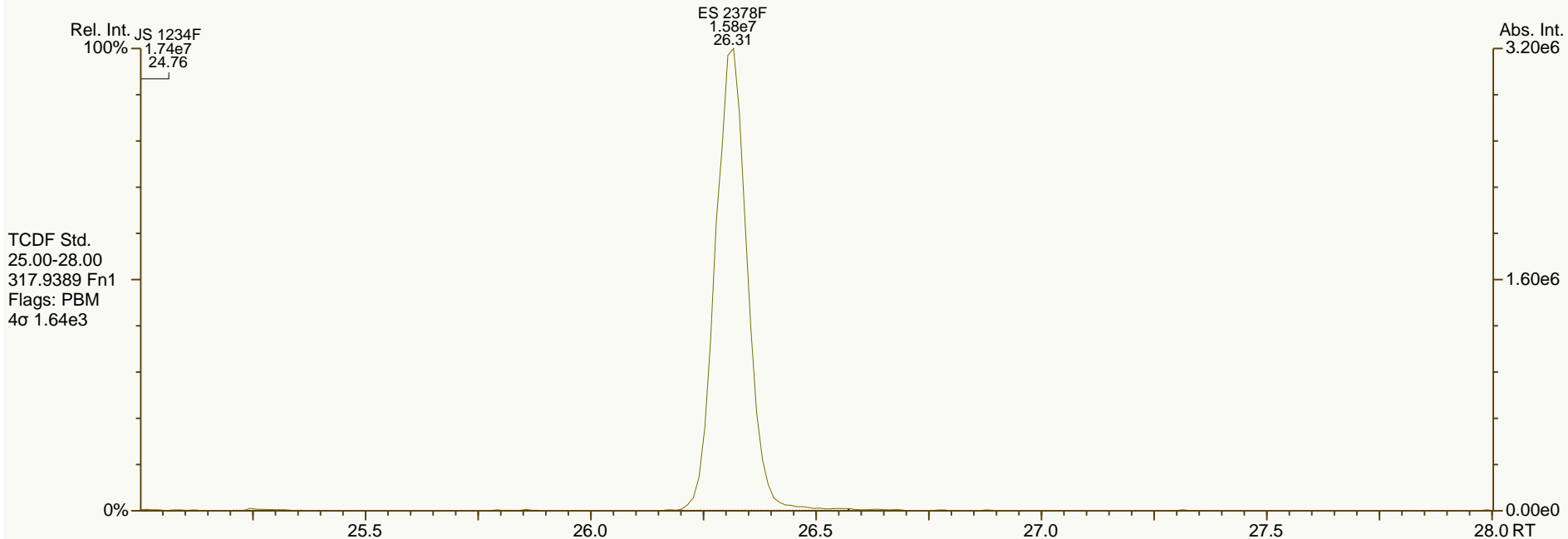
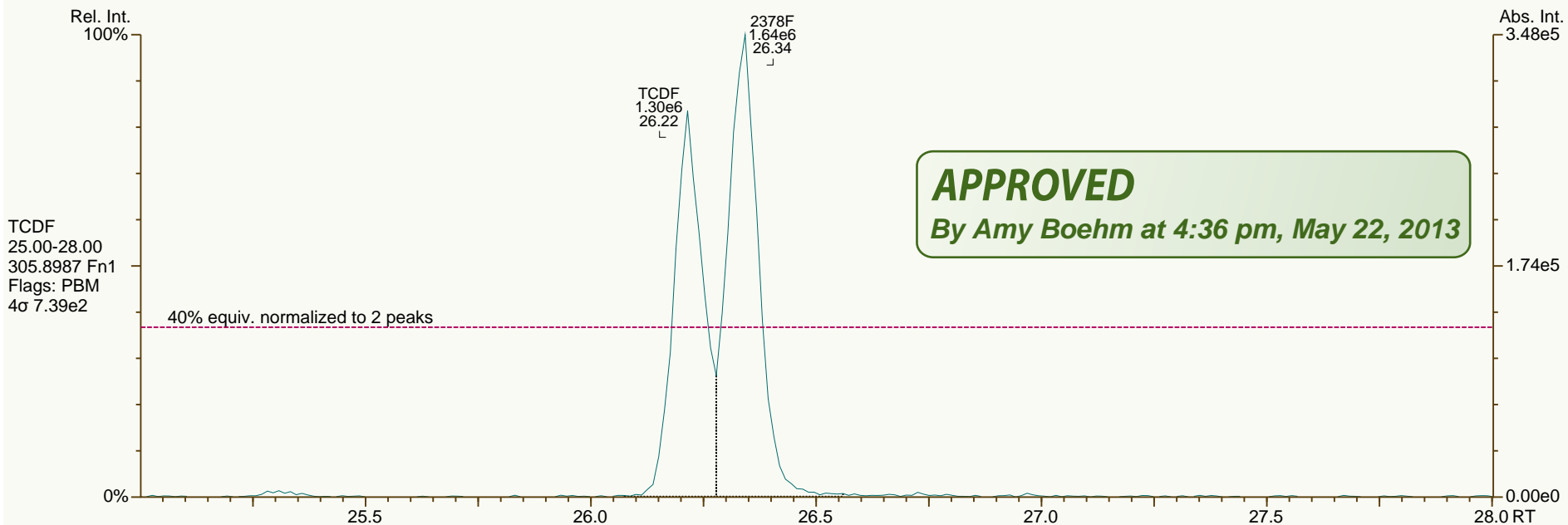
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

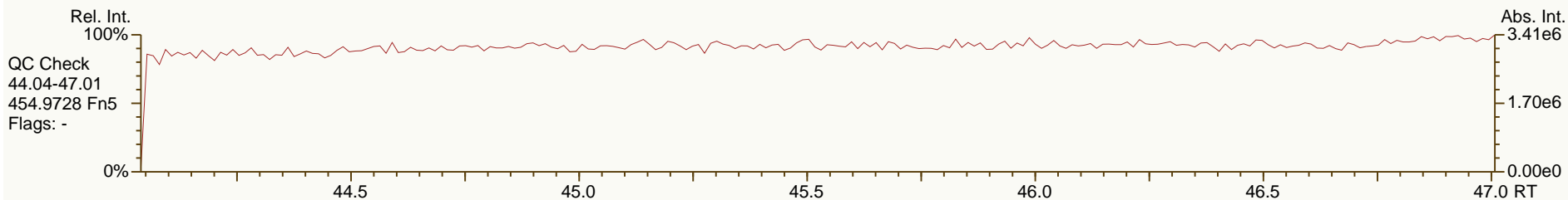
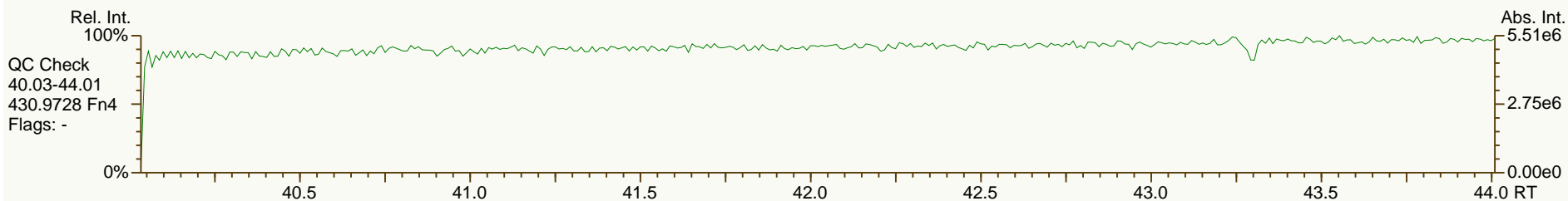
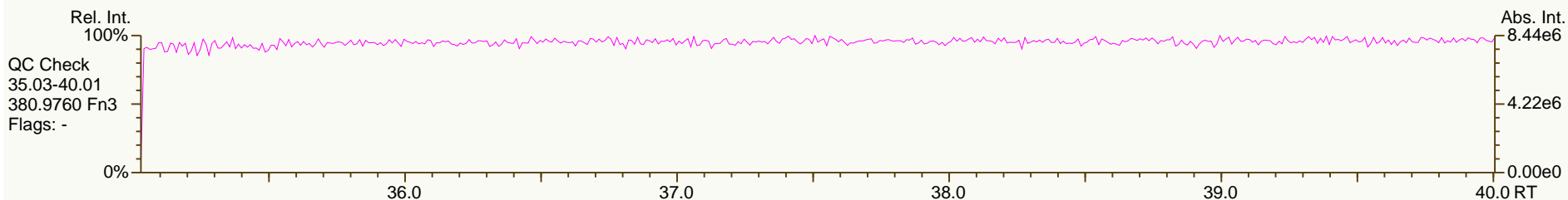
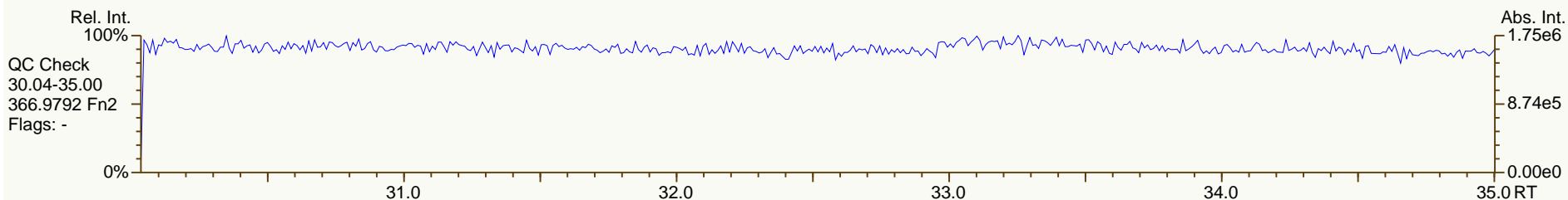
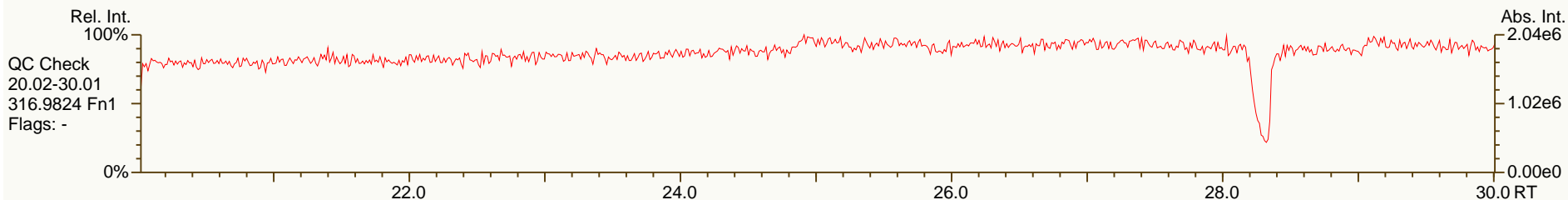
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

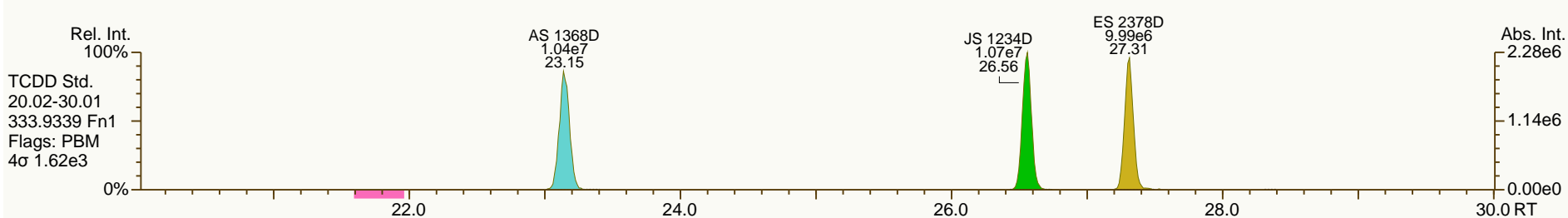
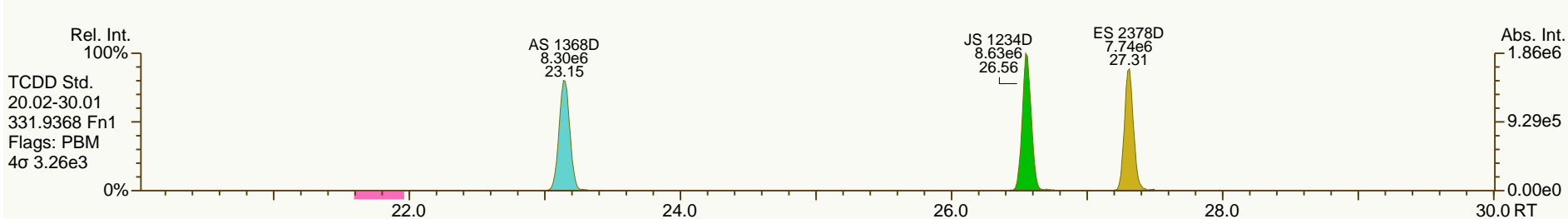
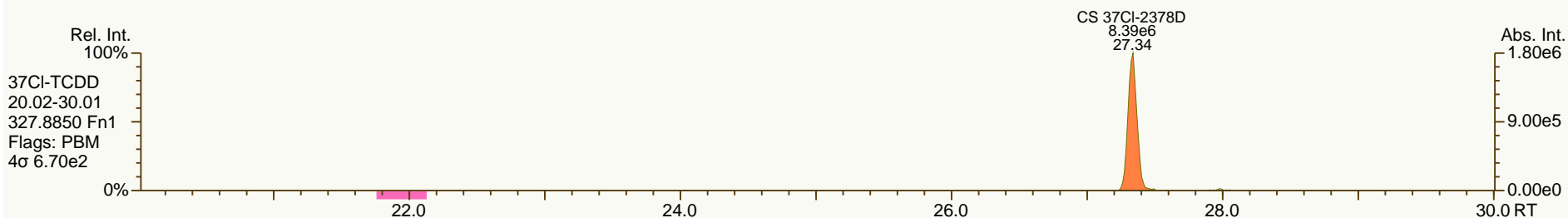
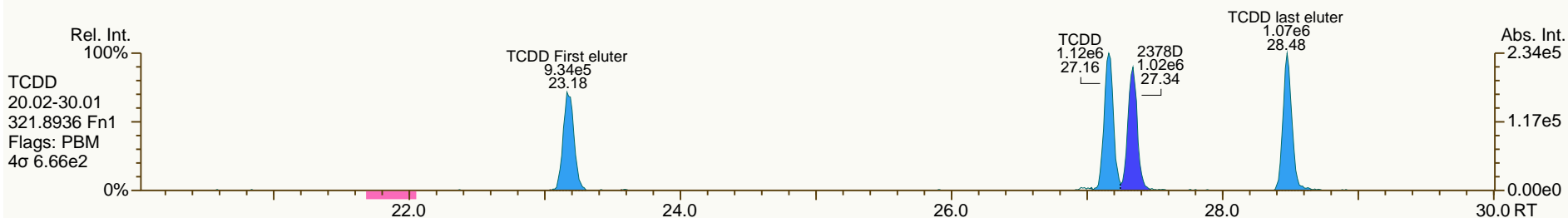
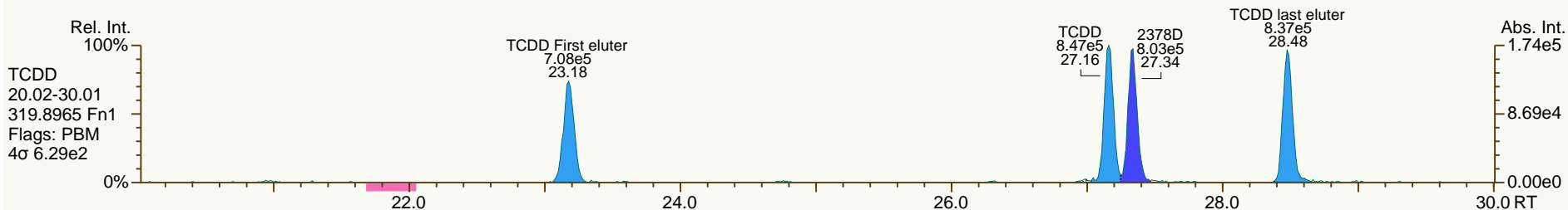
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User: MDC Datafile: 130518P3-02



SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

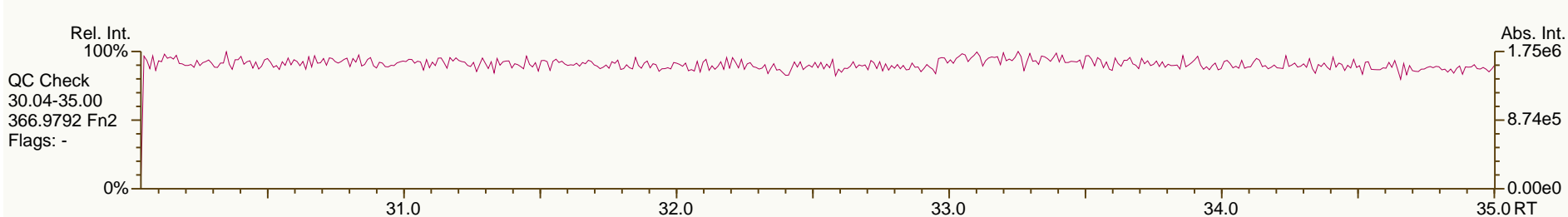
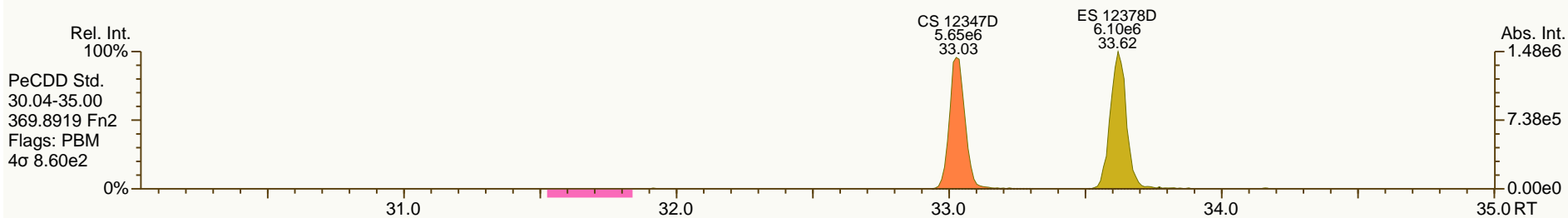
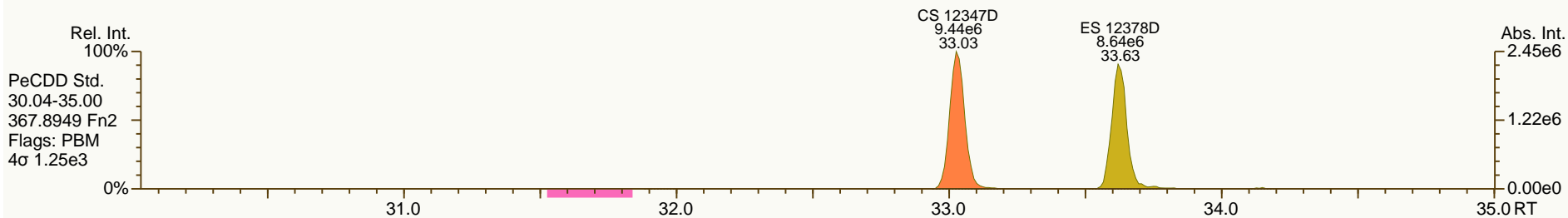
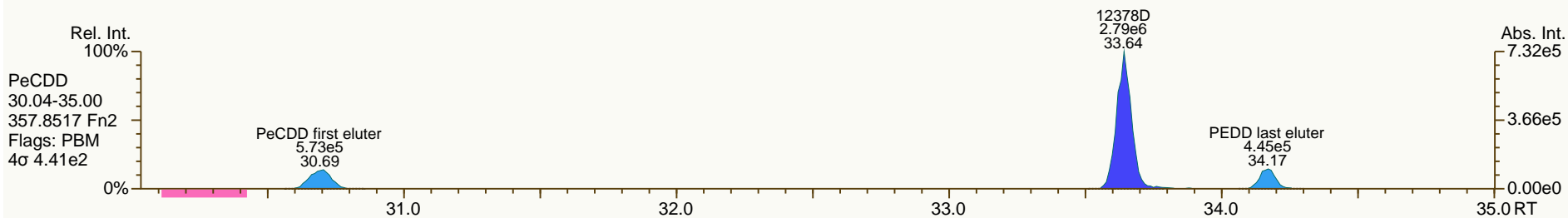
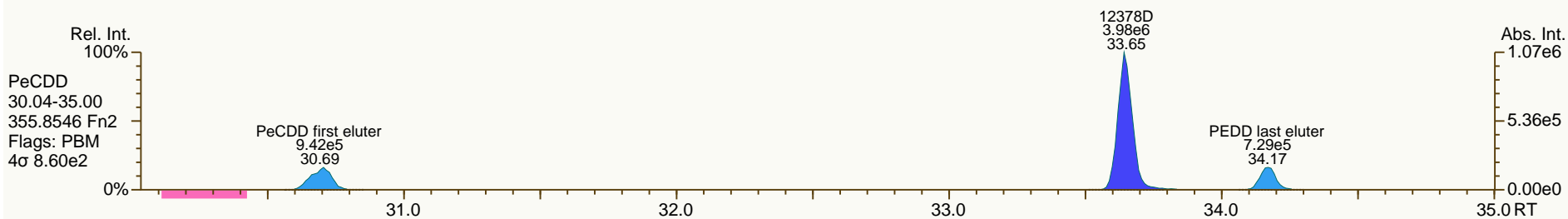
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

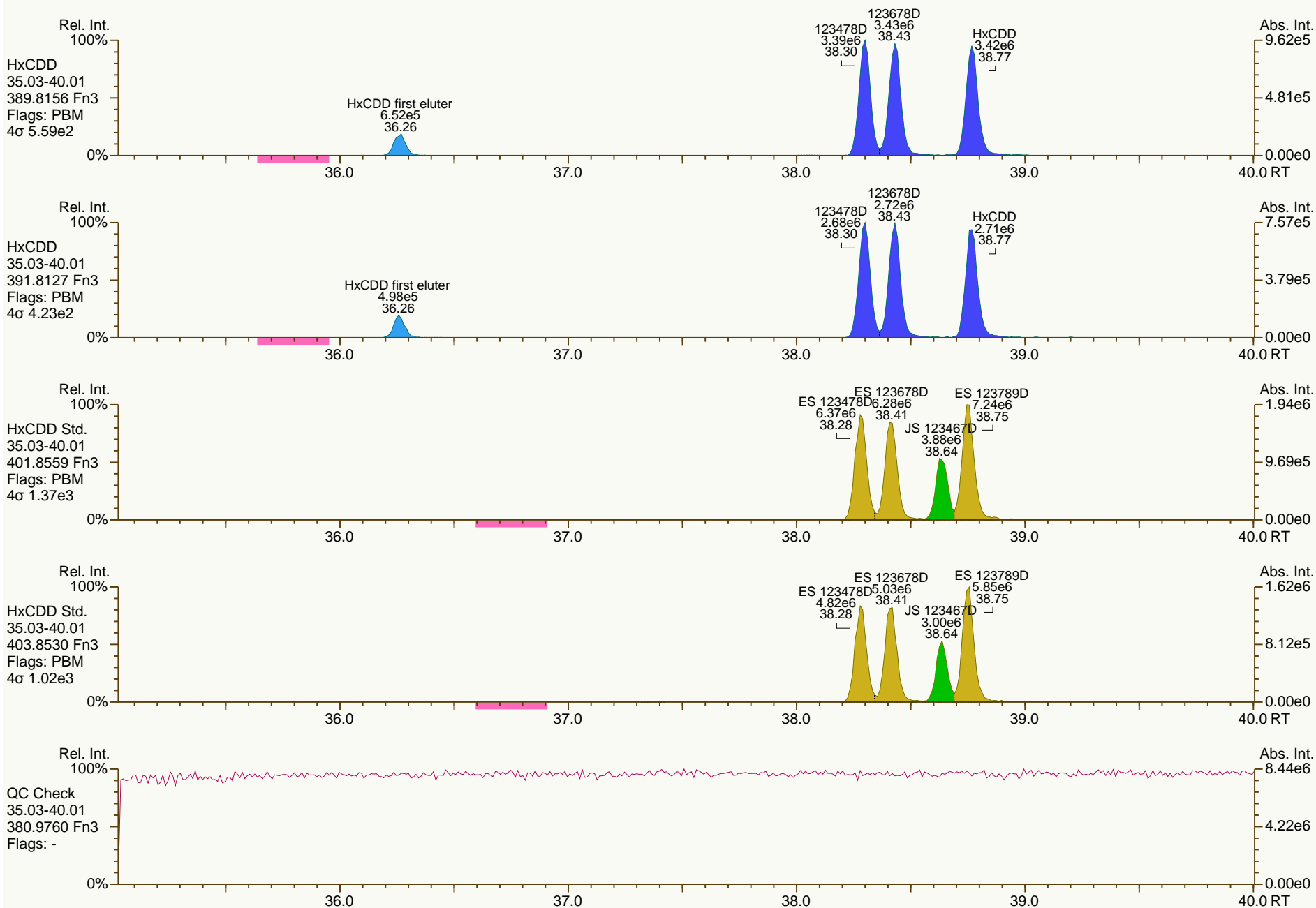
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User: MDC Datafile: 130518P3-02



SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

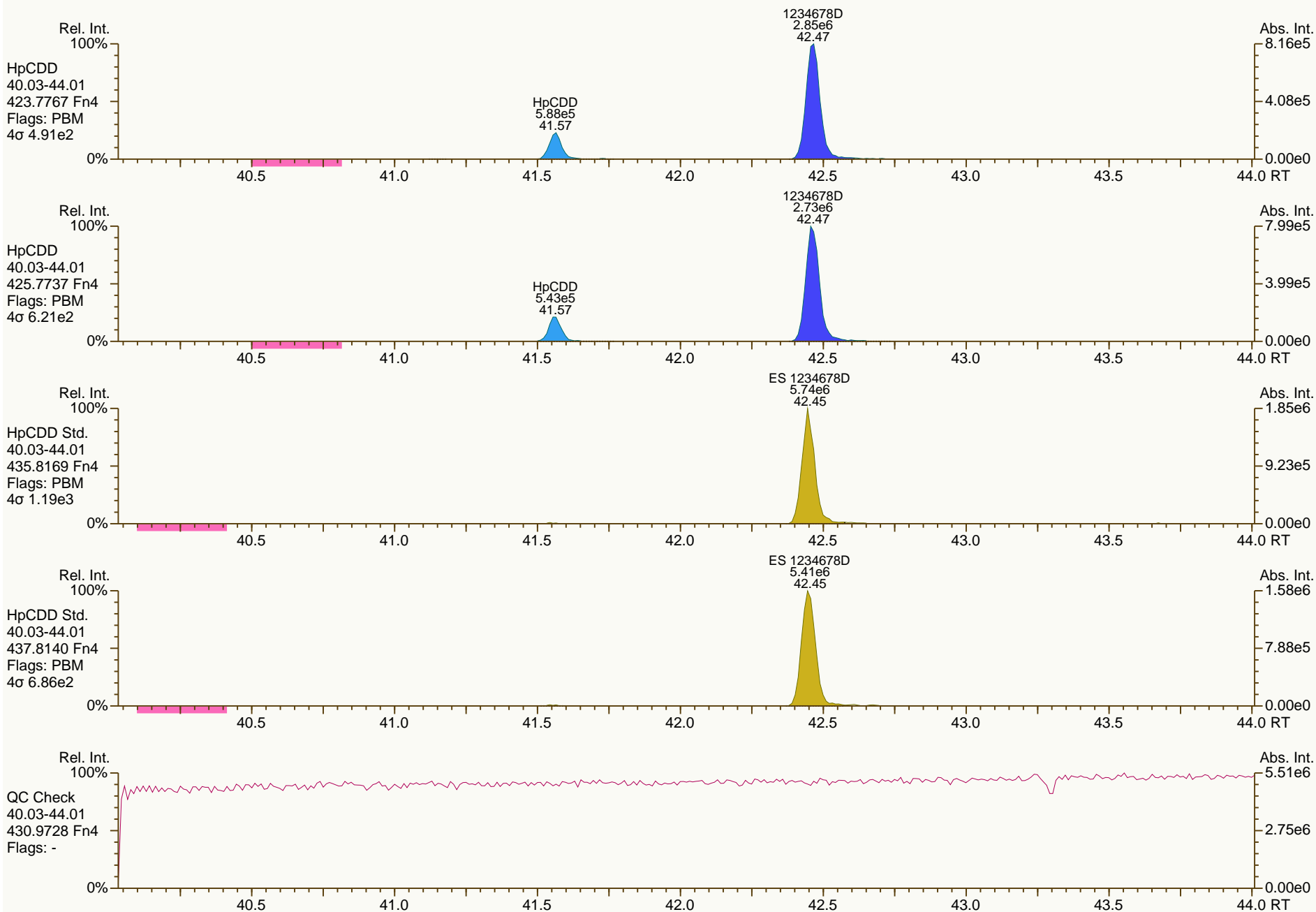
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

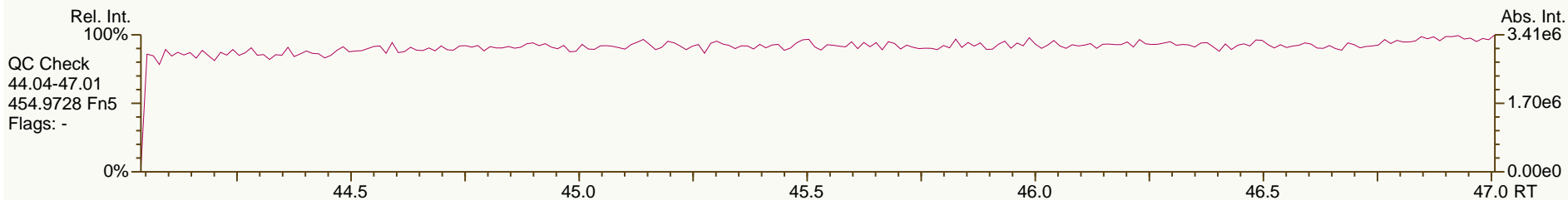
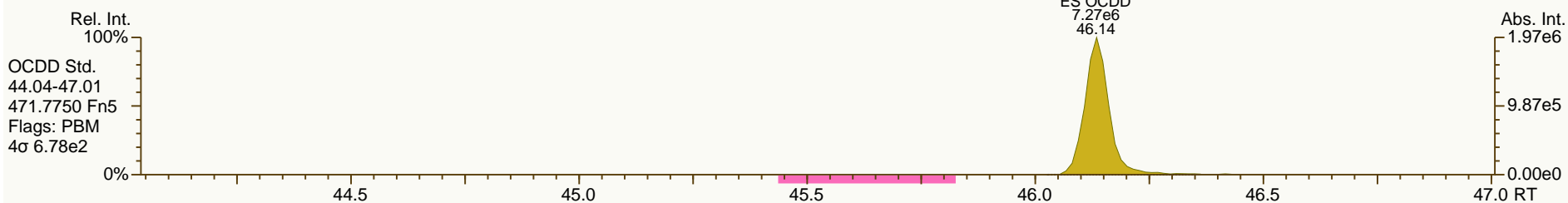
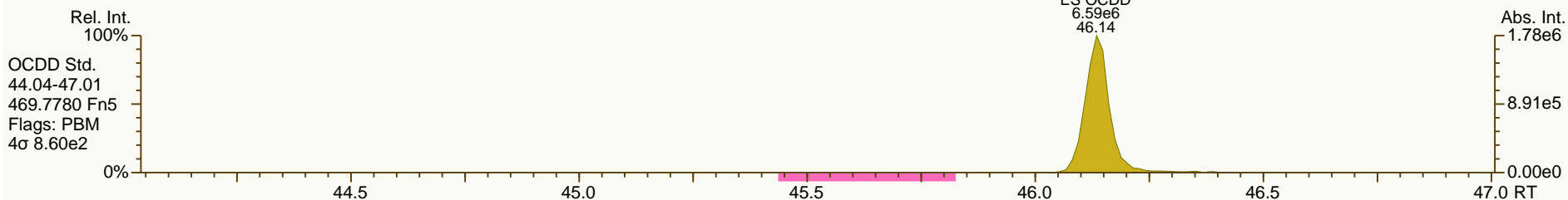
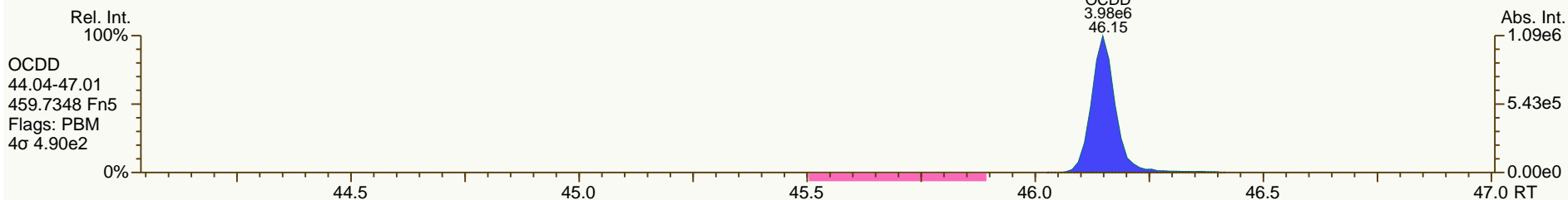
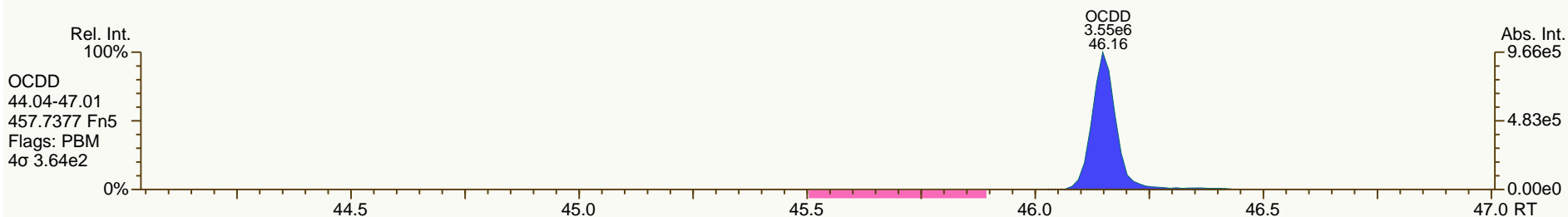
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

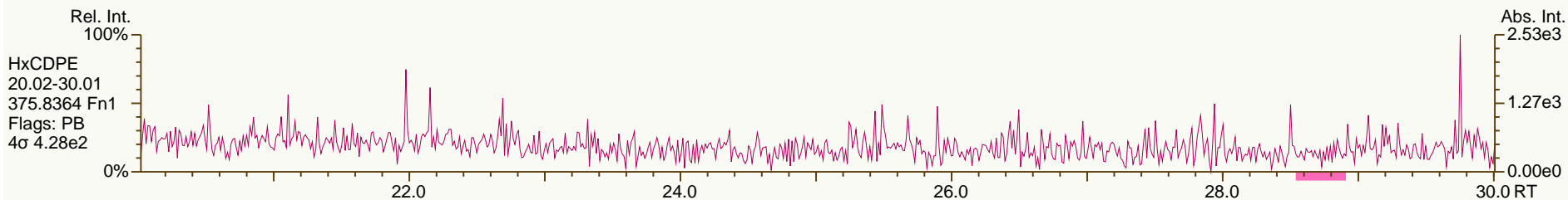
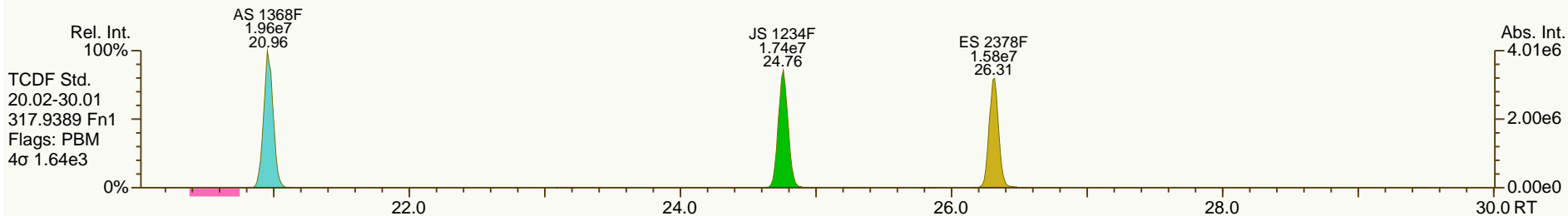
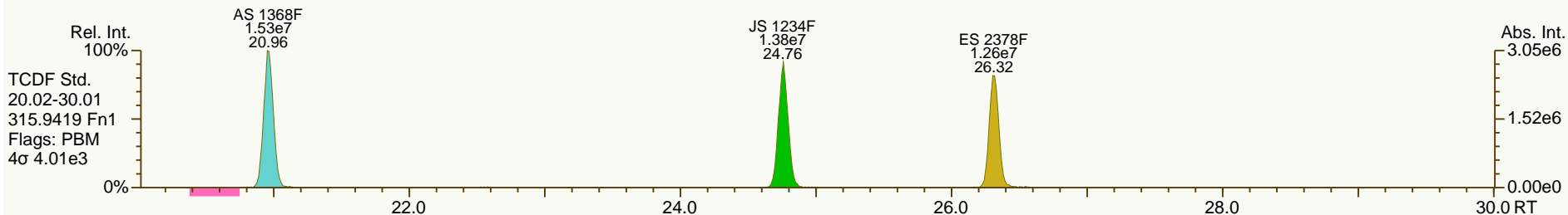
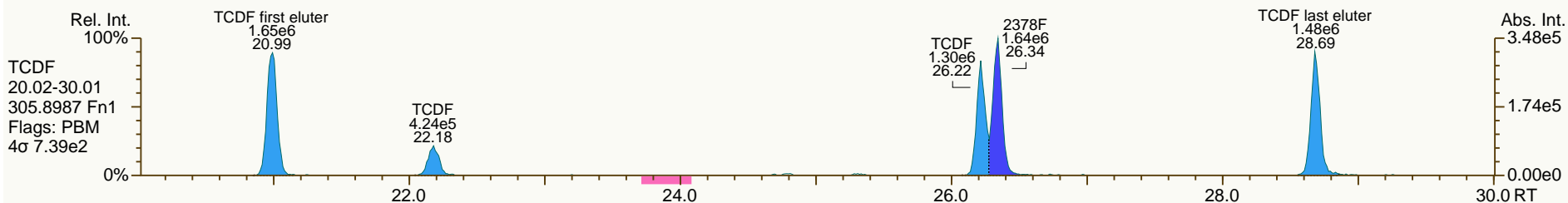
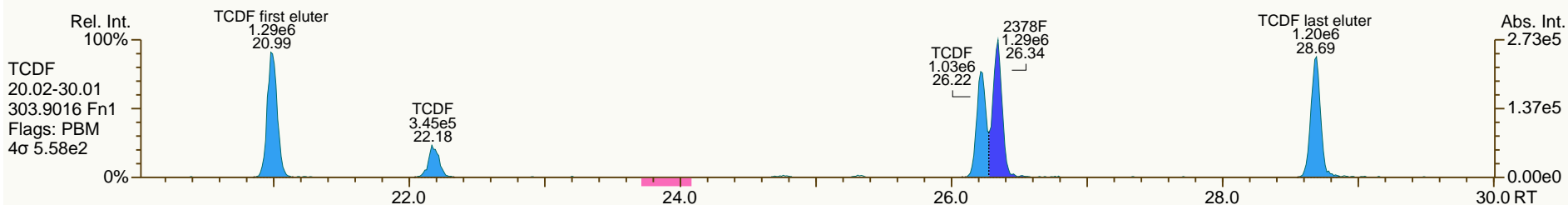
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

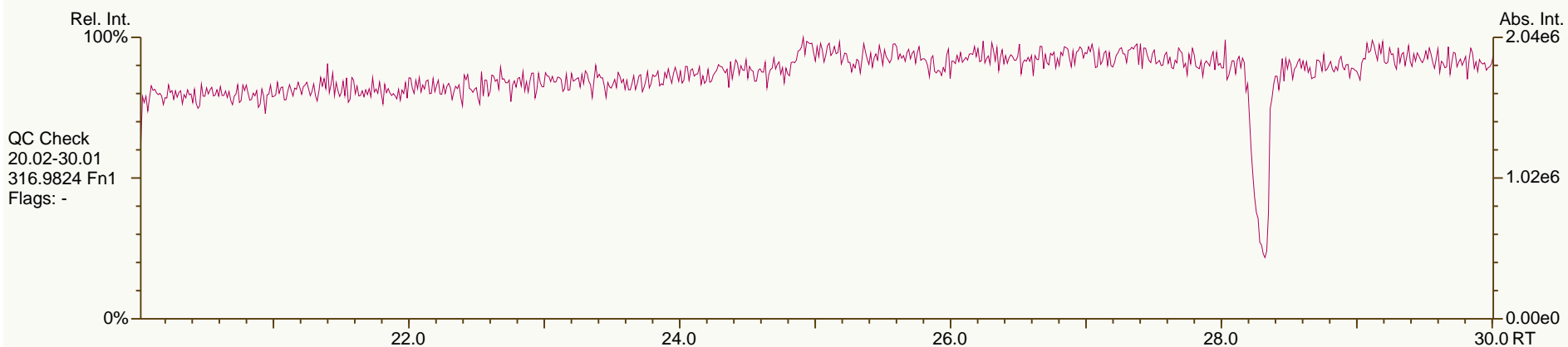
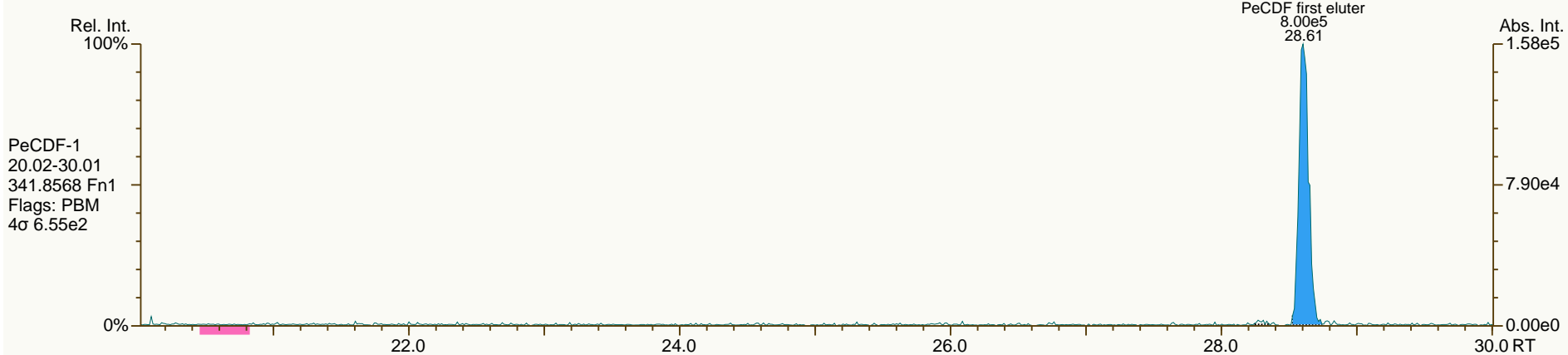
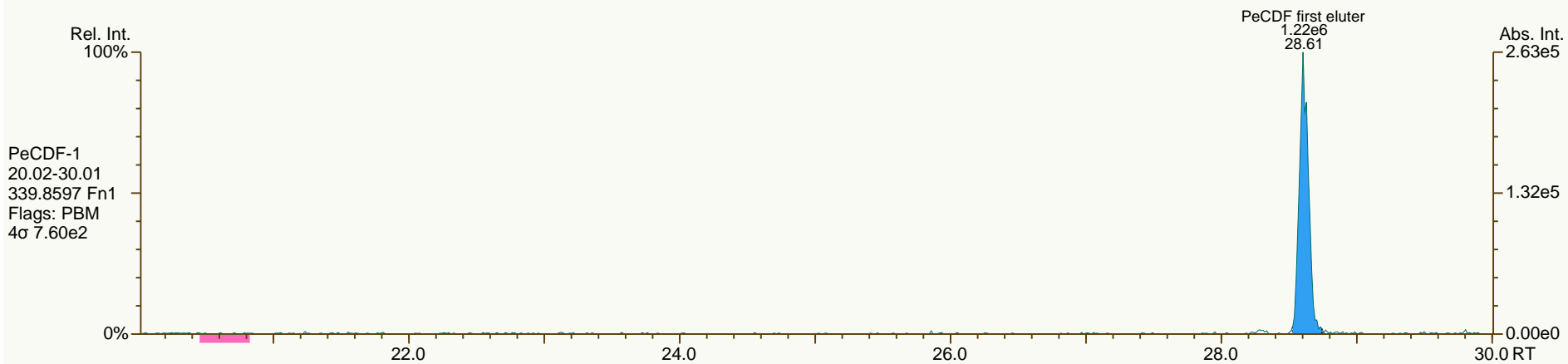
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User: MDC Datafile: 130518P3-02



SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

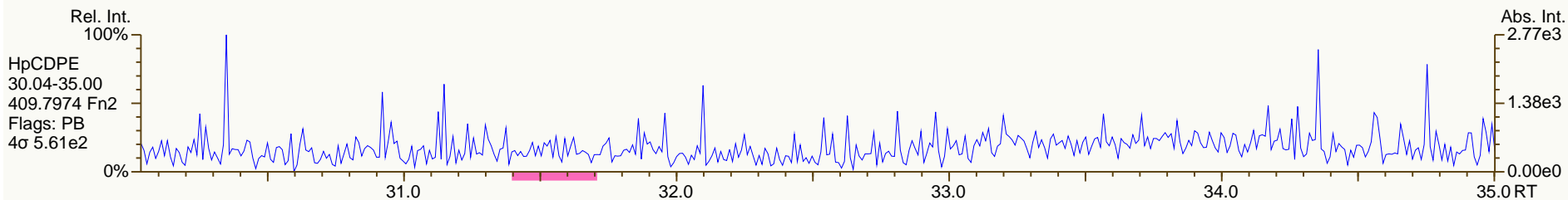
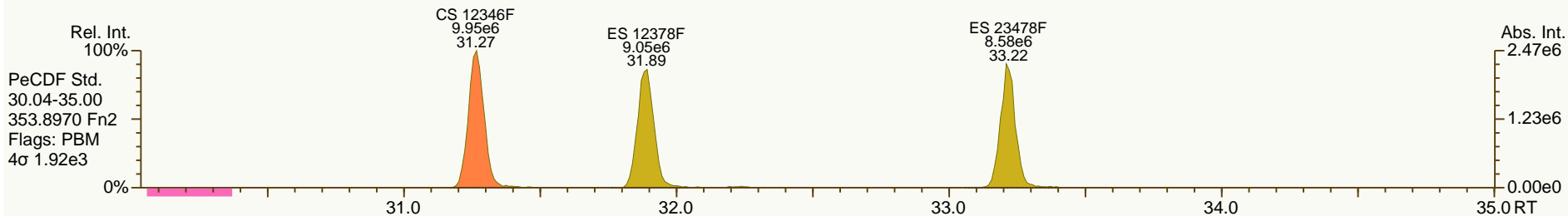
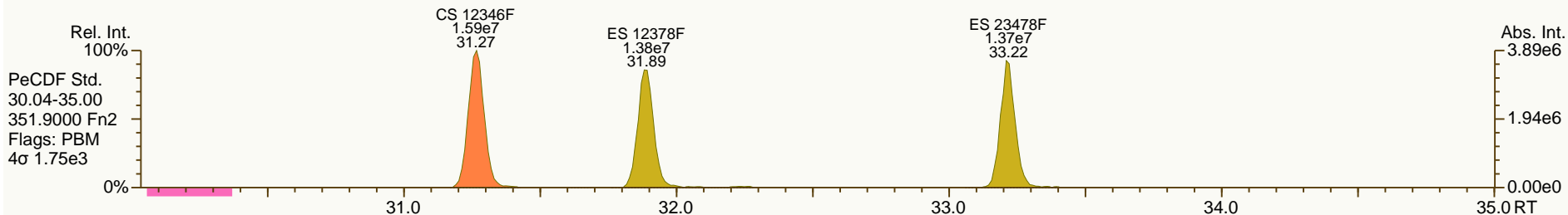
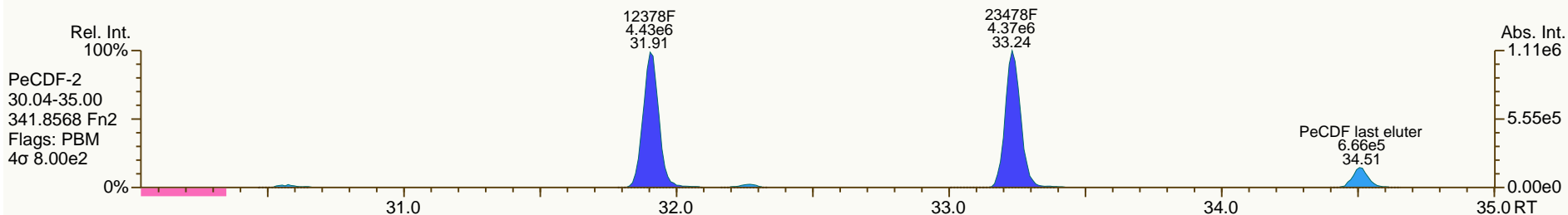
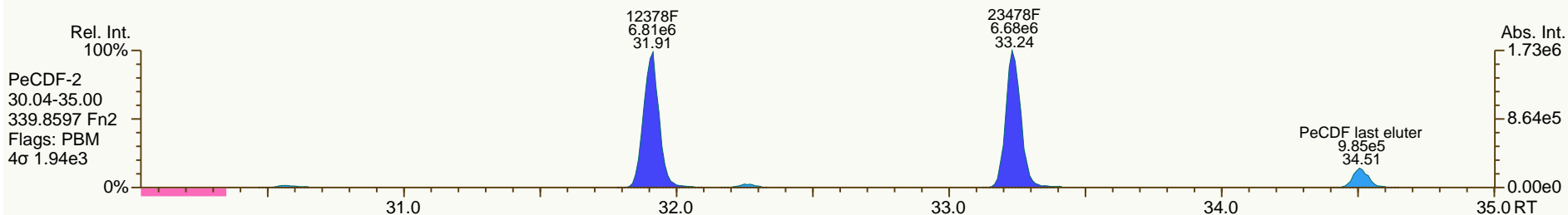
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

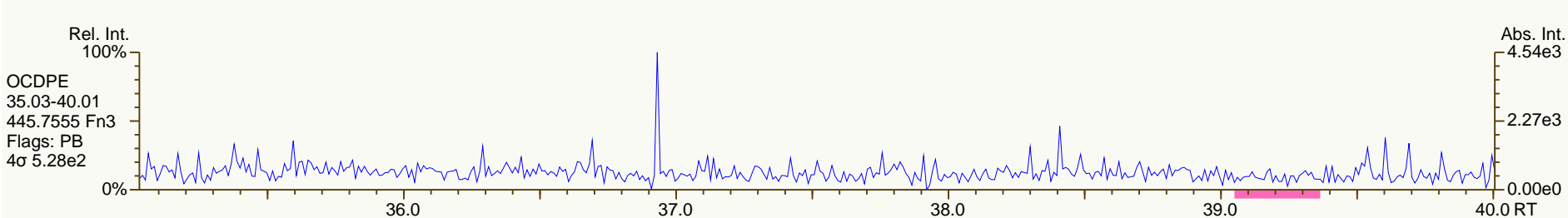
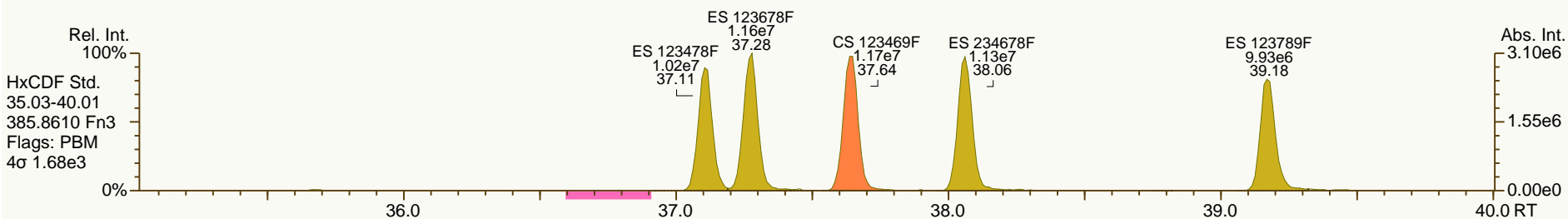
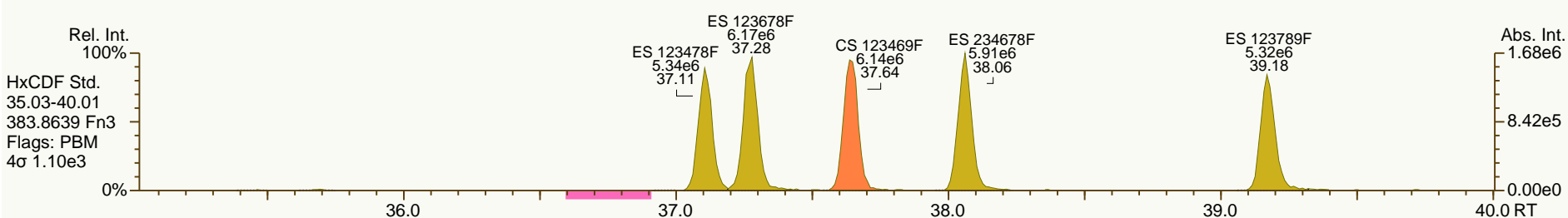
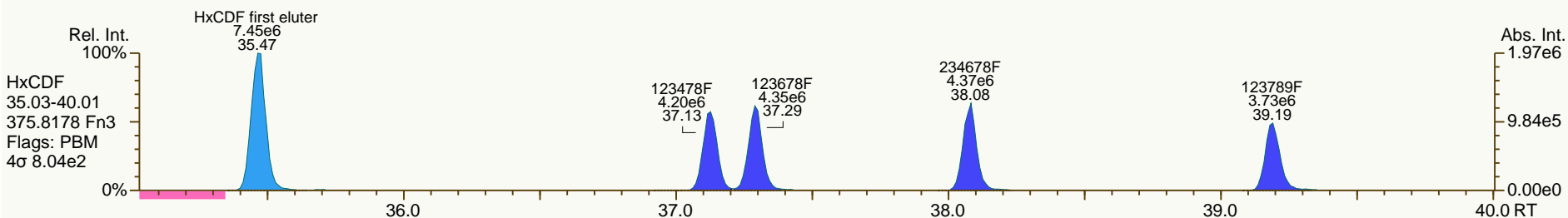
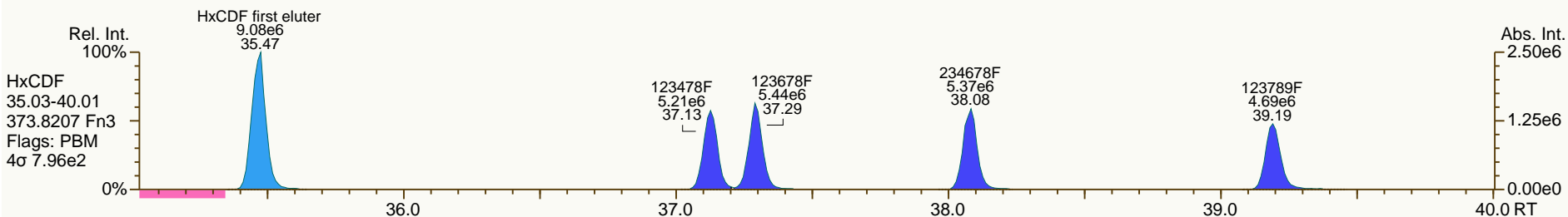
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

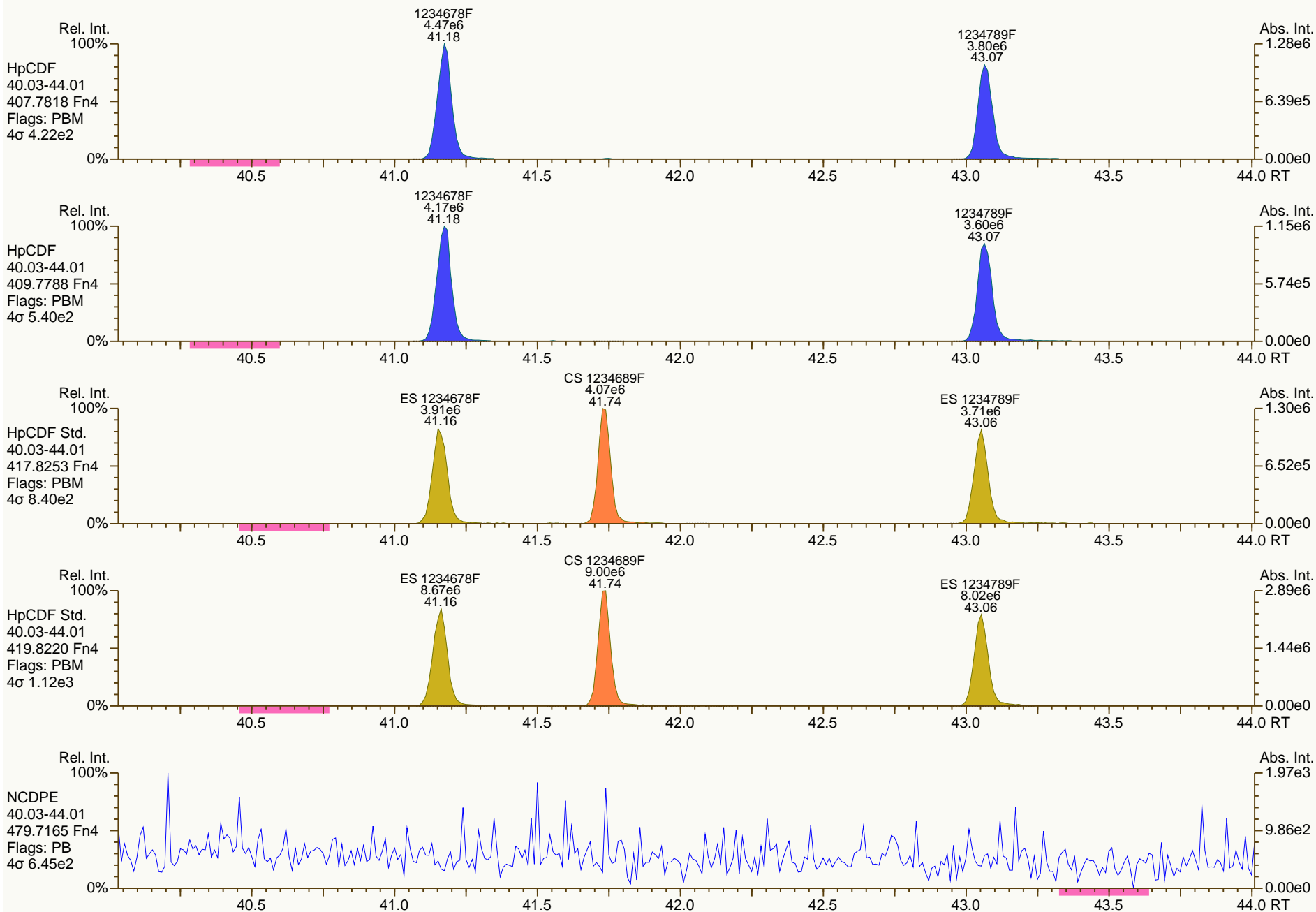
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SGS-AP ID: OPR1_10924_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

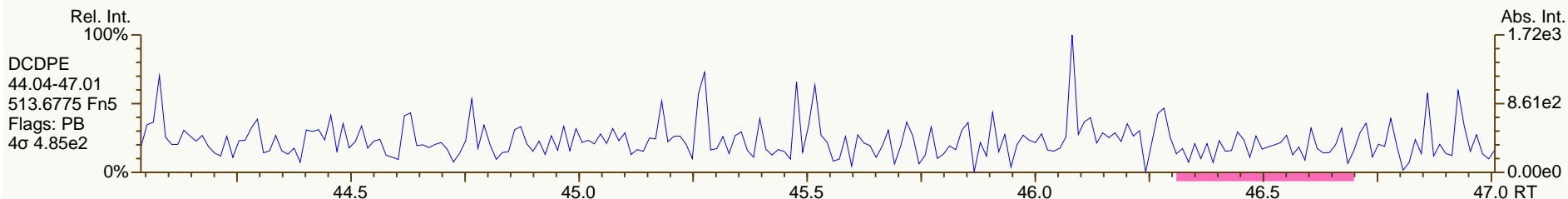
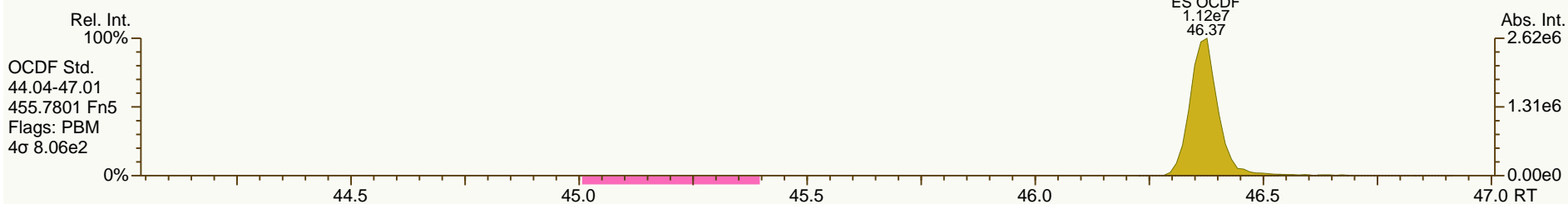
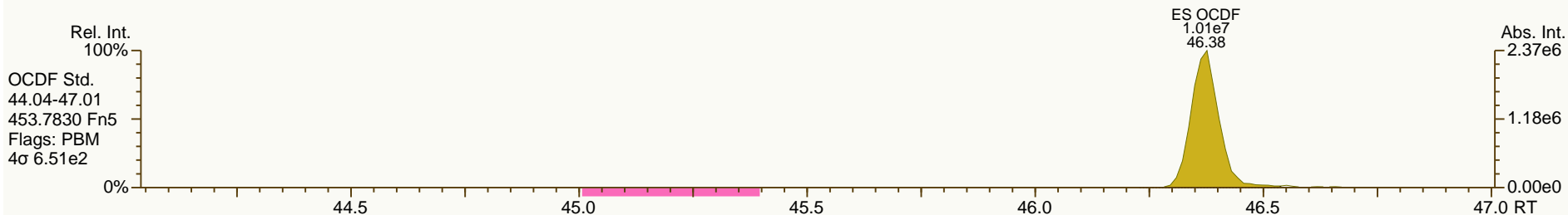
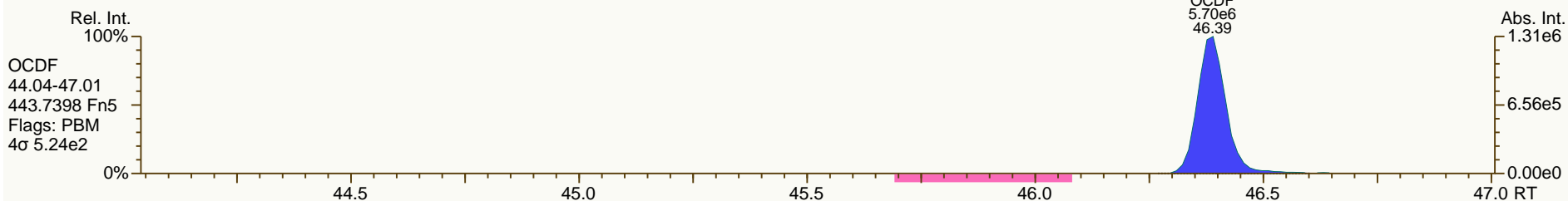
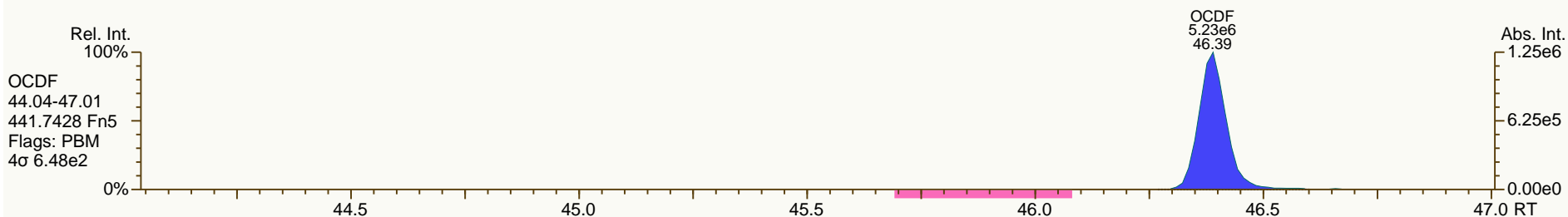
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SGS-AP ID: OPR1_10924_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10924_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 32

Acq: 18-MAY-2013 23:38:39
User: MDC Datafile: 130518P3-02



Lab ID: OPR1_10924_PCB

ACQ: 18-May-2013 16:01:52 LKB Wt/Vol: 1 µL

ICAL: MM7_PCB_07132012_25JUL12 CS3_130519_PCB_XA

Client ID: 0_10924_OPR001

UTP: 21-May-2013 12:19 LKB

J-level: 10 pg/µL Split: 1

Checkcode: 643-959-XZZ

Datafile: 130519X02

RPT: 21-May-2013 14:47 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.77		1.0006	1.0006	0	2.45E+07	0.78	1.13	53.3	1.68E+04	0.381
PCB-81 344'5'-TeCB	31.30		1.0006	1.0006	0	2.40E+07	0.77	1.13	55.6	1.68E+04	0.41
PCB-105 233'44'-PeCB	34.75		1.0007	1.0007	0	2.13E+07	0.62	1.09	57.5	2.97E+03	0.087
PCB-114 2344'5'-PeCB	34.22		1.0007	1.0007	0	2.29E+07	0.61	1.16	58.2	2.97E+03	0.0789
PCB-118 23'44'5'-PeCB	33.76		1.0007	1.0007	0	2.22E+07	0.61	1.11	57.6	2.97E+03	0.0789
PCB-123 23'44'5'-PeCB	33.48		1.0007	1.0007	0	2.23E+07	0.62	1.19	57.6	2.97E+03	0.0786
PCB-126 33'44'5'-PeCB	37.35		1.0005	1.0005	0	1.85E+07	0.63	1.06	54.1	3.02E+03	0.0913
PCB-156/157 ...-HxCB	39.90	C	1.0005	1.0005	0	3.58E+07	1.17	1.11	104	5.37E+03	0.214
PCB-167 23'44'55'-HxCB	38.93		1.0006	1.0006	0	2.01E+07	1.17	1.14	54.2	5.37E+03	0.153
PCB-169 33'44'55'-HxCB	42.61		1.0005	1.0004	-0.3	8.43E+06	1.17	1.11	54.7	5.37E+03	0.353
PCB-189 233'44'55'-HpCB	44.74		1.0004	1.0004	0	1.61E+07	1.03	1.06	53	2.17E+03	0.0764
PCB-209 DeCB	49.72		1.0004	1.0004	0	1.13E+07	1.18	1.07	54.5	7.24E+02	0.0393
ES PCB-1	11.26		0.7215	0.7217	+0.1	3.51E+07	3.08	1.08	66.9 %	30%	140%
ES PCB-3	13.44		0.8617	0.8617	0	3.85E+07	3.14	1.08	73.3 %	30%	140%
ES PCB-4	13.69		0.8773	0.8773	0	2.07E+07	1.63	0.49	87.4 %	30%	140%
ES PCB-15	19.23		1.2321	1.2325	+0.5	4.62E+07	1.57	1.11	85.7 %	30%	140%
ES PCB-19	16.67		1.0682	1.0686	+0.4	2.22E+07	1.05	0.55	82.5 %	30%	140%
ES PCB-37	25.47		1.0804	1.0807	+0.5	4.36E+07	1.07	1.64	82.5 %	30%	140%
ES PCB-54	19.51		0.8282	0.8279	-0.4	1.87E+07	0.81	0.94	61.6 %	30%	140%
ES PCB-77	31.75		1.3465	1.3475	+1.9	4.05E+07	0.80	1.35	93 %	30%	140%
ES PCB-81	31.28		1.3265	1.3275	+1.9	3.83E+07	0.78	1.29	92.1 %	30%	140%
ES PCB-104	24.42		0.8280	0.8275	-0.7	1.95E+07	1.65	0.99	61.8 %	30%	140%
ES PCB-105	34.73		1.1764	1.1768	+0.8	3.38E+07	1.58	1.23	86.1 %	30%	140%
ES PCB-114	34.19		1.1583	1.1587	+0.8	3.39E+07	1.61	1.25	85.4 %	30%	140%
ES PCB-118	33.74		1.1428	1.1432	+0.8	3.49E+07	1.57	1.28	85.5 %	30%	140%
ES PCB-123	33.46		1.1334	1.1338	+0.8	3.26E+07	1.56	1.22	84 %	30%	140%
ES PCB-126	37.33		1.2644	1.2651	+1.6	3.22E+07	1.58	1.20	84.2 %	30%	140%
ES PCB-153	35.33		0.9713	0.9712	-0.2	2.38E+07	1.31	1.14	84.4 %	30%	140%
ES PCB-155	29.35		0.8073	0.8069	-0.7	2.96E+07	1.29	1.50	79.6 %	30%	140%
ES PCB-156/157	39.88		1.0961	1.0964	+0.7	6.19E+07	1.29	1.45	85.7 %	30%	140%
ES PCB-167	38.91		1.0695	1.0697	+0.5	3.26E+07	1.28	1.49	87.7 %	30%	140%
ES PCB-169	42.59		1.1704	1.1708	+1.0	1.39E+07	1.26	1.40	39.7 %	30%	140%
ES PCB-170	42.11		0.9061	0.9059	-0.5	1.89E+07	1.07	1.00	80.7 %	30%	140%
ES PCB-180	41.05		0.8835	0.8832	-0.7	2.30E+07	1.07	1.16	85.2 %	30%	140%
ES PCB-188	34.20		0.7363	0.7358	-1.0	1.80E+07	1.10	1.18	61.5 %	30%	140%
ES PCB-189	44.72		0.9621	0.9621	0	2.88E+07	1.05	1.49	83.3 %	30%	140%
ES PCB-202	38.72		0.8331	0.8331	-0.7	2.01E+07	0.96	1.14	71.1 %	30%	140%
ES PCB-205	46.88		1.0085	1.0085	0	2.09E+07	0.90	1.20	74.6 %	30%	140%

APPROVED**By Amy Boehm at 4:29 pm, May 22, 2013**

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	48.34		1.0399	1.0400	+0.3	1.58E+07	0.79	0.87	78.3 %	30%	140%
ES PCB-208	44.34		0.9540	0.9539	-0.3	2.47E+07	0.80	1.19	89.1 %	30%	140%
ES PCB-209	49.70		1.0691	1.0692	+0.3	1.93E+07	1.20	1.00	82.8 %	30%	140%
SS PCB-28	21.96		0.9320	0.9318	-0.3	4.63E+07	1.06	1.07	98.9 %	40%	125%
SS PCB-111	31.80		1.0772	1.0774	+0.4	3.59E+07	1.57	1.01	110 %	40%	125%
SS PCB-178	36.76		1.0105	1.0105	0	1.24E+07	1.11	0.63	110 %	40%	125%
CS PCB-28	21.96		0.9320	0.9318	-0.3	4.63E+07	1.06	1.76	81.6 %	40%	125%
CS PCB-111	31.80		1.0772	1.0774	+0.4	3.59E+07	1.57	1.23	92.1 %	40%	125%
CS PCB-178	36.76		1.0105	1.0105	0	1.24E+07	1.11	0.74	67.4 %	40%	125%
JS PCB-9	15.60					4.85E+07	1.57				
JS PCB-52	23.57					3.23E+07	0.80				
JS PCB-101	29.51					3.18E+07	1.57				
JS PCB-138	36.38					2.49E+07	1.31				
JS PCB-194	46.48					2.33E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	166	166	0.0835		
						Di-CBs	645	645	0.0891		
						Tri-CBs	1,300	1,300	0.108		
						Tetra-CBs	2,210	2,210	0.193		
						Penta-CBs	2,500	2,500	0.0757		
						Hexa-CBs	2,300	2,300	0.189		
						Hepta-CBs	1,330	1,330	0.13		
						Octa-CBs	659	659	0.0884		
						Nona-CBs	163	163	0.112		
PCB-1 2-MoCB	11.27		1.0011	1.0011	0	2.00E+07	3.15	1.03	55.3	4.81E+03	0.0782
PCB-2 3-MoCB	13.28		0.9879	0.9879	0	2.24E+07	3.17	1.06	55	4.81E+03	0.0878
PCB-3 4-MoCB	13.46		1.0010	1.0010	0	2.24E+07	3.18	1.04	55.7	4.81E+03	0.0889
PCB-4 22'-DiCB	13.70		1.0011	1.0011	0	1.33E+07	1.59	1.17	55	3.31E+03	0.101
PCB-10 26-DiCB	13.88		1.0138	1.0138	0	2.08E+07	1.59	1.82	55.2	3.31E+03	0.0648
PCB-9 25-DiCB	15.62		1.0010	1.0011	+0.1	2.02E+07	1.55	0.87	50.4	4.15E+03	0.0966
PCB-7 24-DiCB	15.78		1.0113	1.0113	0	2.32E+07	1.55	0.98	51.1	4.15E+03	0.0853
PCB-6 23'-DiCB	16.00		1.0252	1.0254	+0.2	2.20E+07	1.57	0.93	51.3	4.15E+03	0.0903
PCB-5 23-DiCB	16.29		1.0439	1.0440	+0.1	2.25E+07	1.57	0.93	52.6	4.15E+03	0.0907
PCB-8 24'-DiCB	16.40		1.0513	1.0514	+0.1	2.27E+07	1.55	0.95	51.8	4.15E+03	0.0882
PCB-14 35-DiCB	17.92		0.9322	0.9321	-0.1	2.84E+07	1.58	1.11	55.2	4.15E+03	0.0753
PCB-11 33'-DiCB	18.69	B	0.9716	0.9717	+0.1	2.55E+07	1.55	0.96	57.2	4.15E+03	0.0871
PCB-13/12 34'/34-DiCB	18.97	C	0.9864	0.9864	0	5.06E+07	1.56	0.97	113	4.15E+03	0.0867
PCB-15 44'-DiCB	19.25		1.0008	1.0008	0	2.59E+07	1.57	1.08	51.8	4.15E+03	0.0776

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	16.69		1.0011	1.0011	0	1.30E+07	1.07	1.09	53.6	3.20E+03	0.111
PCB-30/18 246/22'5-TrCB	18.41	C	1.1043	1.1043	0	3.60E+07	1.08	1.46	111	3.20E+03	0.0831
PCB-17 22'4-TrCB	18.80		1.1277	1.1276	-0.1	1.65E+07	1.07	1.25	59.5	3.20E+03	0.0967
PCB-27 23'6-TrCB	18.99		1.1389	1.1389	0	2.22E+07	1.07	1.67	59.9	3.20E+03	0.0724
PCB-24 236-TrCB	19.12		1.1467	1.1466	-0.1	2.09E+07	1.06	1.61	58.6	3.20E+03	0.0751
PCB-16 22'3-TrCB	19.21		1.1521	1.1520	-0.1	1.31E+07	1.08	0.96	61.2	3.20E+03	0.126
PCB-32 24'6-TrCB	19.68		1.1805	1.1805	0	2.42E+07	1.08	1.77	61.6	3.20E+03	0.0682
PCB-34 23'5'-TrCB	20.82		0.8179	0.8175	-0.5	2.42E+07	1.03	1.09	51	4.77E+03	0.107
PCB-23 235-TrCB	20.97		0.8237	0.8233	-0.5	2.37E+07	1.02	1.10	49.5	4.77E+03	0.106
PCB-26/29 23'5/245-TrCB	21.25	C	0.8346	0.8343	-0.4	4.89E+07	1.04	1.12	101	4.77E+03	0.104
PCB-25 23'4-TrCB	21.44		0.8422	0.8418	-0.5	2.47E+07	1.01	1.12	50.7	4.77E+03	0.104
PCB-31 24'5-TrCB	21.71		0.8529	0.8525	-0.5	2.60E+07	1.02	1.16	51.2	4.77E+03	0.0999
PCB-28/20 244'/233'-TrCB	21.99	C	0.8638	0.8635	-0.4	4.94E+07	1.02	1.10	103	4.77E+03	0.106
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8707	0.8704	-0.4	5.09E+07	1.02	1.14	103	4.77E+03	0.102
PCB-22 234'-TrCB	22.53		0.8851	0.8848	-0.4	2.41E+07	1.02	1.06	52.4	4.77E+03	0.11
PCB-36 33'5-TrCB	23.90		0.9388	0.9387	-0.1	2.78E+07	1.02	1.16	54.9	4.77E+03	0.1
PCB-39 34'5-TrCB	24.22		0.9512	0.9511	-0.1	2.84E+07	1.02	1.21	54	4.77E+03	0.0962
PCB-38 345-TrCB	24.74		0.9719	0.9716	-0.4	2.61E+07	1.03	1.10	54.5	4.77E+03	0.106
PCB-35 33'4-TrCB	25.13		0.9869	0.9868	-0.2	2.59E+07	1.03	1.07	55.7	4.77E+03	0.109
PCB-37 344'-TrCB	25.49		1.0007	1.0008	+0.2	2.68E+07	1.02	1.10	55.7	4.77E+03	0.105
PCB-54 22'66'-TeCB	19.53		1.0010	1.0010	0	1.41E+07	0.81	1.21	62.4	1.37E+03	0.0583
PCB-50/53 22'46/22'56'-TeCB	21.49	C	0.9121	0.9119	-0.3	3.04E+07	0.80	0.83	95.5	1.67E+03	0.0555
PCB-45 22'36-TeCB	22.06		0.9362	0.9362	0	1.37E+07	0.80	0.67	53.3	1.67E+03	0.0688
PCB-51 22'46'-TeCB	22.14		0.9394	0.9394	0	1.54E+07	0.81	0.88	45.3	1.67E+03	0.0521
PCB-46 22'36'-TeCB	22.34		0.9480	0.9479	-0.1	1.27E+07	0.81	0.67	49.7	1.67E+03	0.0691
PCB-52 22'55'-TeCB	23.59		1.0009	1.0010	+0.1	1.59E+07	0.81	0.80	51.6	1.67E+03	0.0574
PCB-73 23'5'6-TeCB	23.72		1.0065	1.0066	+0.1	2.14E+07	0.79	1.06	52.5	1.67E+03	0.0433
PCB-43 22'35-TeCB	23.81		1.0103	1.0104	+0.1	1.24E+07	0.80	0.69	47	1.67E+03	0.0667
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0186	1.0186	0	3.83E+07	0.81	0.98	102	1.67E+03	0.047
PCB-48 22'45-TeCB	24.28		1.0303	1.0304	+0.1	1.60E+07	0.81	0.82	50.9	1.67E+03	0.056
PCB-44/47/65 ...-TeCB	24.49	C	1.0393	1.0394	+0.1	5.13E+07	0.80	0.87	154	1.67E+03	0.0529
PCB-59/62/75 ...-TeCB	24.77	C	1.0509	1.0510	+0.1	6.62E+07	0.80	1.11	156	1.67E+03	0.0416
PCB-42 22'34'-TeCB	24.93		1.0576	1.0578	+0.3	1.49E+07	0.80	0.77	50.6	1.67E+03	0.06
PCB-41 22'34-TeCB	25.25		1.0715	1.0716	+0.2	1.36E+07	0.80	0.72	49.7	1.67E+03	0.0643
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0756	1.0757	+0.2	3.42E+07	0.81	0.83	108	1.67E+03	0.0557
PCB-64 234'6-TeCB	25.55		1.0839	1.0841	+0.3	2.36E+07	0.81	1.19	51.7	1.67E+03	0.0387
PCB-72 23'55'-TeCB	26.27		0.8401	0.8398	-0.5	2.40E+07	0.76	1.16	54	1.68E+04	0.399
PCB-68 23'45'-TeCB	26.52		0.8482	0.8479	-0.5	2.50E+07	0.77	1.23	53.1	1.68E+04	0.376
PCB-57 233'5-TeCB	26.89		0.8599	0.8596	-0.5	2.31E+07	0.78	1.10	54.8	1.68E+04	0.42
PCB-58 233'5'-TeCB	27.09		0.8662	0.8660	-0.3	2.30E+07	0.77	1.14	52.9	1.68E+04	0.407
PCB-67 23'45-TeCB	27.25		0.8713	0.8710	-0.5	2.41E+07	0.77	1.18	53.5	1.68E+04	0.392
PCB-63 234'5-TeCB	27.47		0.8783	0.8781	-0.3	2.56E+07	0.77	1.25	53.6	1.68E+04	0.37
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8876	0.8873	-0.5	9.51E+07	0.78	1.14	218	1.68E+04	0.406
PCB-66 23'44'-TeCB	28.04		0.8964	0.8962	-0.3	2.25E+07	0.77	1.08	54.6	1.68E+04	0.43
PCB-55 233'4-TeCB	28.18		0.9009	0.9007	-0.3	2.29E+07	0.78	1.09	54.7	1.68E+04	0.423

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	28.61		0.9147	0.9146	-0.2	2.24E+07	0.77	1.06	55	1.68E+04	0.435
PCB-60 2344'-TeCB	28.80		0.9208	0.9206	-0.3	2.34E+07	0.77	1.10	55.4	1.68E+04	0.42
PCB-80 33'55'-TeCB	29.14		0.9317	0.9315	-0.3	2.61E+07	0.77	1.28	53.3	1.68E+04	0.362
PCB-79 33'45'-TeCB	30.45		0.9733	0.9733	0	2.68E+07	0.77	1.27	55.3	1.68E+04	0.365
PCB-78 33'45'-TeCB	30.93		0.9887	0.9887	0	2.26E+07	0.76	1.06	55.6	1.68E+04	0.436
PCB-104 22'466'-PeCB	24.44		1.0009	1.0009	0	1.51E+07	0.64	1.25	61.7	9.30E+02	0.0396
PCB-96 22'366'-PeCB	24.75		1.0133	1.0134	+0.1	1.33E+07	0.64	1.23	55.1	9.30E+02	0.0404
PCB-103 22'45'6'-PeCB	26.44		0.8963	0.8960	-0.5	1.61E+07	0.61	0.95	51.9	2.97E+03	0.0984
PCB-94 22'356'-PeCB	26.62		0.9024	0.9022	-0.3	1.41E+07	0.62	0.82	52.7	2.97E+03	0.114
PCB-95 22'35'6'-PeCB	27.00		0.9151	0.9149	-0.3	1.53E+07	0.62	0.88	53.2	2.97E+03	0.106
PCB-100/93 22'44'6'/22'356'-PeCB	27.22	C	0.9224	0.9222	-0.3	3.00E+07	0.61	0.87	105	2.97E+03	0.107
PCB-102 22'456'-PeCB	27.33		0.9262	0.9260	-0.3	1.74E+07	0.61	1.00	53.3	2.97E+03	0.0931
PCB-98 22'34'6'-PeCB	27.39		0.9285	0.9283	-0.3	1.36E+07	0.63	0.80	52.4	2.97E+03	0.117
PCB-88 22'346'-PeCB	27.69		0.9384	0.9382	-0.3	1.38E+07	0.61	0.79	53.5	2.97E+03	0.118
PCB-91 22'34'6'-PeCB	27.75		0.9406	0.9404	-0.3	1.67E+07	0.62	0.97	52.9	2.97E+03	0.0963
PCB-84 22'33'6'-PeCB	27.94		0.9468	0.9467	-0.2	1.33E+07	0.62	0.75	54.5	2.97E+03	0.125
PCB-89 22'346'-PeCB	28.35		0.9609	0.9608	-0.2	1.40E+07	0.62	0.80	53.6	2.97E+03	0.117
PCB-121 23'45'6'-PeCB	28.72		0.9732	0.9731	-0.2	2.11E+07	0.62	1.21	53.2	2.97E+03	0.077
PCB-92 22'355'-PeCB	29.03		0.9836	0.9836	0	1.52E+07	0.62	0.85	54.5	2.97E+03	0.109
PCB-113/90/101 ...-PeCB	29.51	C	0.9999	0.9999	0	5.33E+07	0.62	1.01	163	2.97E+03	0.093
PCB-83 22'33'5'-PeCB	29.93		1.0143	1.0144	+0.2	1.29E+07	0.61	0.74	53.5	2.97E+03	0.126
PCB-99 22'44'5'-PeCB	30.04		1.0178	1.0179	+0.2	1.79E+07	0.62	1.02	53.9	2.97E+03	0.0918
PCB-112 233'56'-PeCB	30.13		1.0209	1.0211	+0.4	2.00E+07	0.62	1.13	54.4	2.97E+03	0.0828
PCB-108/119/86/97/125...-PeCB	30.48	C	1.0327	1.0327	0	1.08E+08	0.62	1.02	325	2.97E+03	0.0919
PCB-117 234'56'-PeCB	31.01		1.0506	1.0507	+0.2	2.07E+07	0.62	1.18	54	2.97E+03	0.0793
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0535	1.0537	+0.4	3.61E+07	0.61	0.96	115	2.97E+03	0.097
PCB-110 233'4'6'-PeCB	31.21		1.0575	1.0577	+0.4	2.00E+07	0.61	1.20	51	2.97E+03	0.0777
PCB-115 2344'6'-PeCB	31.30		1.0605	1.0606	+0.2	2.05E+07	0.62	1.14	55	2.97E+03	0.0817
PCB-82 22'33'4'-PeCB	31.49		1.0667	1.0669	+0.4	1.31E+07	0.62	0.73	55	2.97E+03	0.128
PCB-111 233'55'-PeCB	31.82		1.0780	1.0782	+0.4	2.15E+07	0.61	1.25	52.6	2.97E+03	0.0746
PCB-120 23'455'-PeCB	32.21		1.0913	1.0916	+0.6	2.21E+07	0.62	1.25	54.2	2.97E+03	0.0748
PCB-107/124 ...-PeCB	33.17	C	0.9913	0.9913	0	4.08E+07	0.62	1.15	108	2.97E+03	0.081
PCB-109 233'46'-PeCB	33.38		0.9976	0.9976	0	2.23E+07	0.62	1.28	53.7	2.97E+03	0.0732
PCB-106 233'45'-PeCB	33.59		1.0039	1.0039	0	2.03E+07	0.62	1.12	55.4	2.97E+03	0.0833
PCB-122 233'4'5'-PeCB	34.05		1.0092	1.0092	0	1.89E+07	0.62	1.06	52.5	2.97E+03	0.0863
PCB-127 33'455'-PeCB	35.99		1.0362	1.0364	+0.4	2.05E+07	0.62	1.18	51.5	2.97E+03	0.0809
PCB-155 22'44'66'-HxCB	29.37		1.0007	1.0007	0	1.98E+07	1.26	1.09	61.4	1.18E+03	0.0373
PCB-152 22'3566'-HxCB	29.51		1.0055	1.0056	+0.2	1.84E+07	1.28	1.14	54.6	1.18E+03	0.0357
PCB-150 22'34'66'-HxCB	29.66		1.0106	1.0107	+0.2	1.86E+07	1.29	1.16	54.2	1.18E+03	0.0351
PCB-136 22'33'66'-HxCB	29.95		1.0205	1.0206	+0.2	1.77E+07	1.29	1.08	55.5	1.18E+03	0.0378
PCB-145 22'3466'-HxCB	30.23		1.0299	1.0300	+0.2	1.78E+07	1.29	1.10	54.7	1.18E+03	0.037
PCB-148 22'34'56'-HxCB	31.51		1.0734	1.0736	+0.4	1.42E+07	1.27	1.09	54.3	1.18E+03	0.0476
PCB-151/135 ...-HxCB	32.02	C	1.0907	1.0910	+0.6	2.72E+07	1.29	1.06	108	1.18E+03	0.0493
PCB-154 22'44'56'-HxCB	32.24		1.0982	1.0984	+0.4	1.56E+07	1.27	1.22	53.6	1.18E+03	0.0428
PCB-144 22'345'6'-HxCB	32.49		1.1067	1.1070	+0.6	1.41E+07	1.28	1.08	54.7	1.18E+03	0.0481

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	32.79	C	1.1170	1.1173	+0.6	2.88E+07	1.29	1.09	111	1.18E+03	0.0478
PCB-134 22'33'56"-HxCB	32.96		1.1226	1.1229	+0.6	1.13E+07	1.26	0.88	53.9	1.18E+03	0.0591
PCB-143 22'34'56"-HxCB	33.04		1.1255	1.1258	+0.6	1.40E+07	1.30	1.04	56.6	1.18E+03	0.0503
PCB-139/140 ...-HxCB	33.31	C	1.1345	1.1349	+0.8	2.90E+07	1.27	1.11	109	1.18E+03	0.047
PCB-131 22'33'46"-HxCB	33.48		1.1402	1.1406	+0.8	1.25E+07	1.29	0.96	54.6	1.18E+03	0.0543
PCB-142 22'34'56"-HxCB	33.62		1.1449	1.1454	+1.0	1.22E+07	1.27	0.94	54.8	1.18E+03	0.0557
PCB-132 22'33'46"-HxCB	33.85		1.1529	1.1533	+0.8	1.29E+07	1.27	0.99	54.9	1.18E+03	0.0529
PCB-133 22'33'55"-HxCB	34.27		1.1672	1.1677	+1.0	1.30E+07	1.31	1.04	52.6	1.18E+03	0.0503
PCB-165 233'55'6"-HxCB	34.61		0.9516	0.9515	-0.2	1.61E+07	1.27	1.28	52.8	1.18E+03	0.0408
PCB-146 22'34'55"-HxCB	34.82		0.9574	0.9573	-0.2	1.44E+07	1.28	1.12	53.8	1.18E+03	0.0465
PCB-161 233'45'6"-HxCB	34.94		0.9606	0.9605	-0.2	1.82E+07	1.28	1.43	53.3	1.18E+03	0.0365
PCB-153/168 ...-HxCB	35.37	C	0.9724	0.9725	+0.2	3.56E+07	1.28	1.22	123	1.18E+03	0.0428
PCB-141 22'34'55"-HxCB	35.51		0.9761	0.9761	0	1.31E+07	1.28	1.05	52.3	1.18E+03	0.0497
PCB-130 22'33'45"-HxCB	35.85		0.9855	0.9855	0	1.18E+07	1.30	0.93	52.8	1.18E+03	0.0558
PCB-137 22'34'4'5"-HxCB	36.05		0.9909	0.9910	+0.2	1.53E+07	1.28	1.06	60.3	1.18E+03	0.0491
PCB-164 233'4'5'6"-HxCB	36.13		0.9931	0.9933	+0.4	1.73E+07	1.30	1.45	50.1	1.18E+03	0.0359
PCB-163/138/129 ...-HxCB	36.42	C	1.0011	1.0011	0	4.29E+07	1.28	1.13	160	1.18E+03	0.0462
PCB-160 233'4'56"-HxCB	36.55		1.0047	1.0047	0	1.80E+07	1.30	1.34	56.2	1.18E+03	0.0388
PCB-158 233'44'6"-HxCB	36.74		1.0098	1.0099	+0.2	1.93E+07	1.27	1.48	54.9	1.18E+03	0.0353
PCB-128/166 ...-HxCB	37.46	C	0.9628	0.9627	-0.2	3.15E+07	1.17	0.87	111	5.37E+03	0.199
PCB-159 233'45'5"-HxCB	38.29		0.9840	0.9840	0	1.78E+07	1.17	1.04	52.5	5.37E+03	0.167
PCB-162 233'4'55"-HxCB	38.53		0.9901	0.9901	0	1.82E+07	1.15	1.05	53.4	5.37E+03	0.166
PCB-188 22'34'566"-HpCB	34.22		1.0006	1.0006	0	1.17E+07	1.09	1.03	62.9	7.16E+02	0.0394
PCB-179 22'33'566"-HpCB	34.49		1.0085	1.0085	0	1.10E+07	1.09	1.10	55.3	7.16E+02	0.037
PCB-184 22'34'4'66"-HpCB	34.97		1.0223	1.0223	0	1.07E+07	1.08	1.08	54.6	7.16E+02	0.0375
PCB-176 22'33'466"-HpCB	35.25		1.0304	1.0305	+0.2	1.19E+07	1.09	1.20	55.2	7.16E+02	0.0338
PCB-186 22'34'566"-HpCB	35.64		1.0419	1.0420	+0.2	1.13E+07	1.08	1.13	55.5	7.16E+02	0.036
PCB-178 22'33'55'6"-HpCB	36.78		1.0751	1.0753	+0.4	8.05E+06	1.09	0.82	54.2	7.16E+02	0.0493
PCB-175 22'33'45'6"-HpCB	37.32		1.0910	1.0912	+0.4	1.36E+07	1.05	1.10	53.7	4.65E+03	0.194
PCB-187 22'34'55'6"-HpCB	37.55		1.0977	1.0979	+0.5	1.47E+07	1.07	1.16	55.3	4.65E+03	0.184
PCB-182 22'34'4'56"-HpCB	37.73		1.1029	1.1032	+0.7	1.49E+07	1.06	1.18	55.1	4.65E+03	0.181
PCB-183 22'34'4'5'6"-HpCB	38.08		1.1130	1.1132	+0.5	1.58E+07	1.04	1.28	53.5	4.65E+03	0.166
PCB-185 22'34'55'6"-HpCB	38.15		1.1153	1.1154	+0.2	1.40E+07	1.06	1.04	58.7	4.65E+03	0.206
PCB-174 22'33'456"-HpCB	38.26		1.1184	1.1186	+0.5	1.26E+07	1.06	0.97	56.6	4.65E+03	0.22
PCB-177 22'33'45'6"-HpCB	38.63		1.1292	1.1295	+0.7	1.20E+07	1.07	0.97	54.2	4.65E+03	0.221
PCB-181 22'34'4'56"-HpCB	38.98		1.1394	1.1397	+0.7	1.40E+07	1.06	1.10	55.1	4.65E+03	0.193
PCB-171/173 ...-HpCB	39.16	C	1.1445	1.1449	+0.9	2.49E+07	1.05	0.98	111	4.65E+03	0.218
PCB-172 22'33'455"-HpCB	40.52		0.9063	0.9061	-0.5	1.23E+07	1.07	1.01	52.8	4.65E+03	0.211
PCB-192 233'455'6"-HpCB	40.76		0.9117	0.9116	-0.2	1.53E+07	1.07	1.31	50.9	4.65E+03	0.163
PCB-180/193 ...-HpCB	41.04	C	0.9179	0.9178	-0.2	3.02E+07	1.06	1.16	113	4.65E+03	0.184
PCB-191 233'44'5'6"-HpCB	41.37		0.9253	0.9251	-0.5	1.65E+07	1.07	1.37	52.3	4.65E+03	0.155
PCB-170 22'33'44'5"-HpCB	42.13		0.9422	0.9421	-0.3	1.17E+07	1.03	1.07	57.7	4.65E+03	0.245
PCB-190 233'44'56"-HpCB	42.58		0.9522	0.9521	-0.3	1.59E+07	1.06	1.54	54.8	4.65E+03	0.171
PCB-202 22'33'55'66"-OoCB	38.74		1.0005	1.0005	0	1.13E+07	0.92	0.91	61.4	8.78E+02	0.0527
PCB-201 22'33'45'66"-OoCB	39.53		1.0208	1.0208	0	1.24E+07	0.93	1.14	54.3	8.78E+02	0.0424

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	40.11		1.0357	1.0358	+0.2	1.21E+07	0.92	1.07	56.7	8.78E+02	0.0452
PCB-197 22'33'44'66'-OcCB	40.30		1.0405	1.0407	+0.5	1.36E+07	0.93	1.12	60.3	8.78E+02	0.0431
PCB-200 22'33'4566'-OcCB	40.38		1.0425	1.0427	+0.5	1.12E+07	0.92	1.12	50.1	8.78E+02	0.0431
PCB-198/199 ...-OcCB	42.70	C	1.1025	1.1028	+0.8	1.64E+07	0.90	0.78	105	8.78E+02	0.062
PCB-196 22'33'44'56'-OcCB	43.28		1.1174	1.1176	+0.5	8.58E+06	0.94	0.81	52.8	8.78E+02	0.0597
PCB-203 22'344'55'6-OcCB	43.45		1.1217	1.1219	+0.5	9.01E+06	0.91	0.84	53.6	8.78E+02	0.0576
PCB-195 22'33'44'56-OcCB	44.55		0.9505	0.9504	-0.3	9.31E+06	0.94	0.77	57.9	2.56E+03	0.176
PCB-194 22'33'44'55'-OcCB	46.50		0.9920	0.9920	0	9.56E+06	0.94	0.80	56.9	2.56E+03	0.168
PCB-205 233'44'55'6-OcCB	46.90		1.0004	1.0004	0	1.14E+07	0.94	1.09	50.2	2.56E+03	0.124
PCB-208 22'33'455'66'-NoCB	44.36		1.0005	1.0005	0	1.38E+07	0.77	1.02	54.9	1.98E+03	0.0818
PCB-207 22'33'44'566'-NoCB	45.15		1.0182	1.0183	+0.3	1.40E+07	0.77	1.04	54.2	1.98E+03	0.0799
PCB-206 22'33'44'55'6-NoCB	48.36		1.0004	1.0004	0	8.39E+06	0.76	0.98	54.2	1.98E+03	0.142

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	111	50 - 150	Y
PCB-3 4-MoCB	50	111	50 - 150	Y
PCB-4 22'-DiCB	50	110	50 - 150	Y
PCB-15 44'-DiCB	50	104	50 - 150	Y
PCB-19 22'6'-TrCB	50	107	50 - 150	Y
PCB-37 344'-TrCB	50	111	50 - 150	Y
PCB-54 22'66'-TeCB	50	125	50 - 150	Y
PCB-77 33'44'-TeCB	50	107	50 - 150	Y
PCB-81 344'5'-TeCB	50	111	50 - 150	Y
PCB-104 22'466'-PeCB	50	123	50 - 150	Y
PCB-105 233'44'-PeCB	50	115	50 - 150	Y
PCB-114 2344'5'-PeCB	50	116	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	115	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	108	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	123	50 - 150	Y
PCB-156/157 ...-HxCB	100	104	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	108	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	126	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	106	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	123	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	100	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	108	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	110	50 - 150	Y
PCB-209 DeCB	50	109	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 21 May 2013 14:47 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM7_PCB_07132012_25JUL12
 Instrument ID: MM7 GC Column ID:
 VER Data Filename: 130519X02 Analysis Date: 18-MAY-2013 16:01:52
 Lab ID: OPR1_10924_PCB

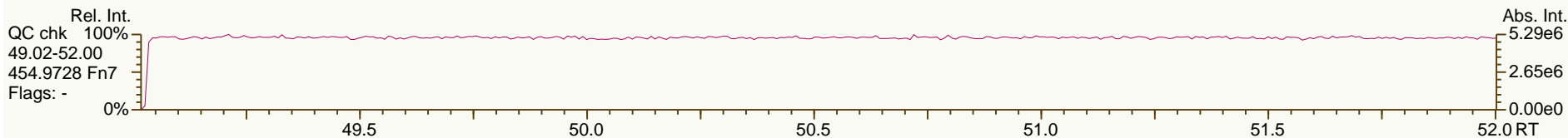
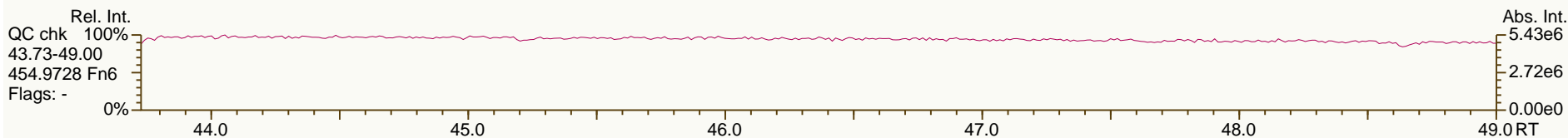
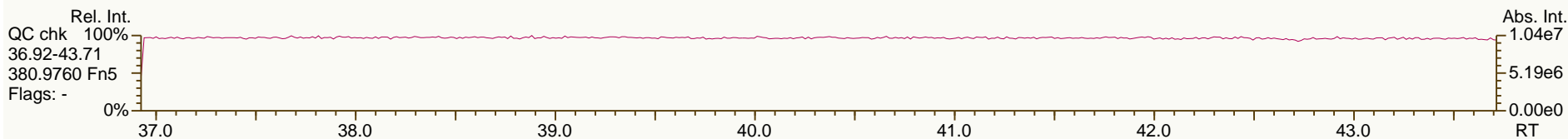
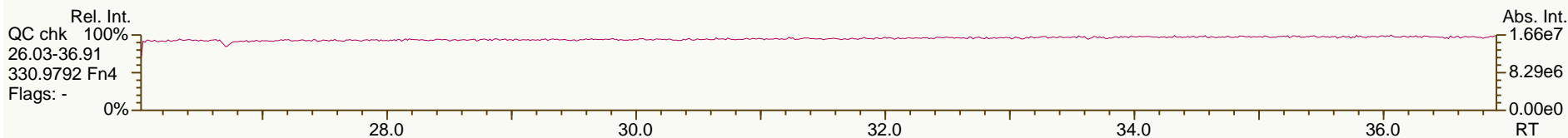
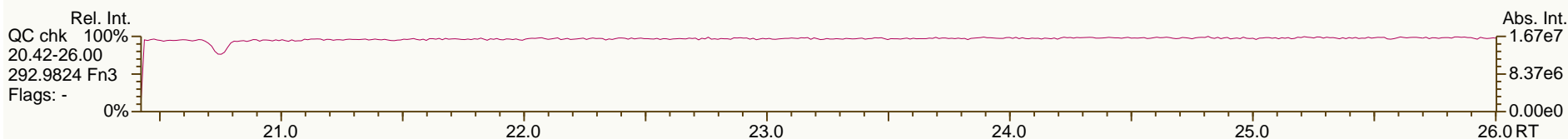
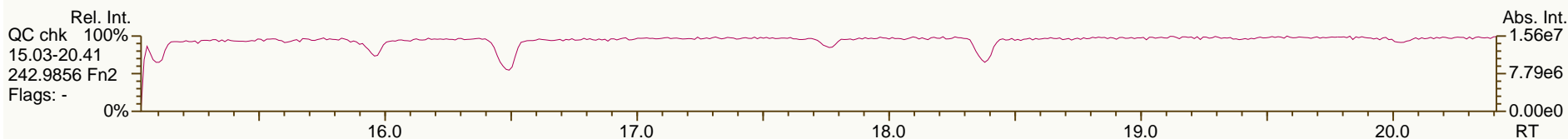
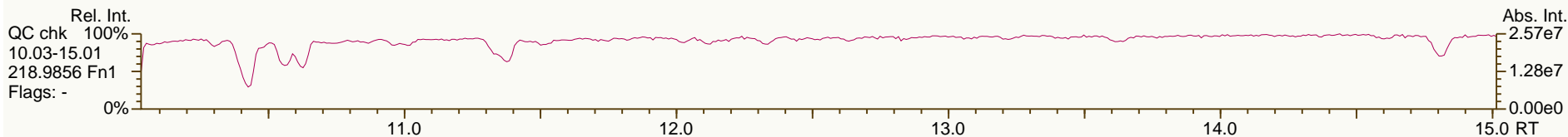
LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	66.9	30 - 140	Y
ES PCB-3	100	73.3	30 - 140	Y
ES PCB-4	100	87.4	30 - 140	Y
ES PCB-15	100	85.7	30 - 140	Y
ES PCB-19	100	82.5	30 - 140	Y
ES PCB-37	100	82.5	30 - 140	Y
ES PCB-54	100	61.6	30 - 140	Y
ES PCB-77	100	93	30 - 140	Y
ES PCB-81	100	92.1	30 - 140	Y
ES PCB-104	100	61.8	30 - 140	Y
ES PCB-105	100	86.1	30 - 140	Y
ES PCB-114	100	85.4	30 - 140	Y
ES PCB-118	100	85.5	30 - 140	Y
ES PCB-123	100	84	30 - 140	Y
ES PCB-126	100	84.2	30 - 140	Y
ES PCB-153	100	84.4	30 - 140	Y
ES PCB-155	100	79.6	30 - 140	Y
ES PCB-156/157	200	85.7	30 - 140	Y
ES PCB-167	100	87.7	30 - 140	Y
ES PCB-169	100	39.7	30 - 140	Y
ES PCB-170	100	80.7	30 - 140	Y
ES PCB-180	100	85.2	30 - 140	Y
ES PCB-188	100	61.5	30 - 140	Y
ES PCB-189	100	83.3	30 - 140	Y
ES PCB-202	100	71.1	30 - 140	Y
ES PCB-205	100	74.6	30 - 140	Y
ES PCB-206	100	78.3	30 - 140	Y
ES PCB-208	100	89.1	30 - 140	Y
ES PCB-209	100	82.8	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	81.6	40 - 125	Y
CS PCB-111	100	92.1	40 - 125	Y
CS PCB-178	100	67.4	40 - 125	Y

Processed: 21 May 2013 14:47 Analyst: LB

SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

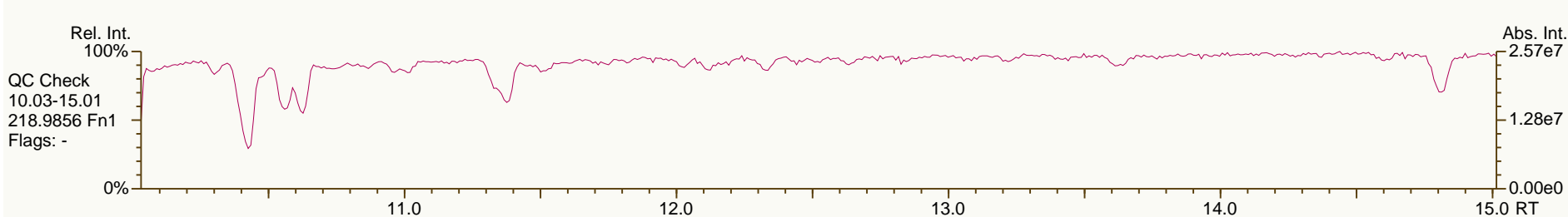
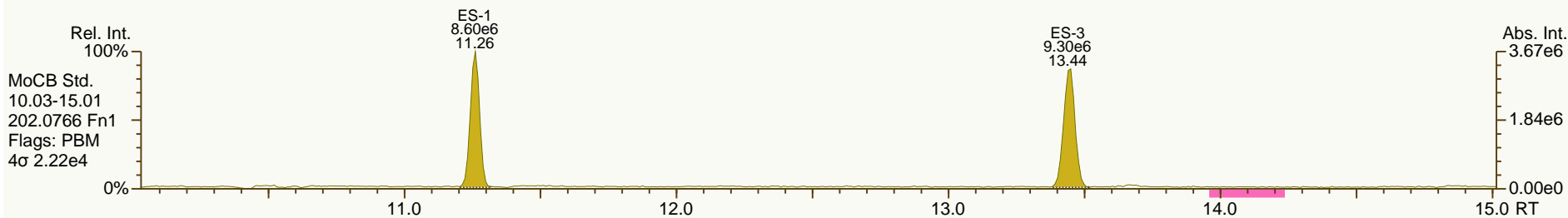
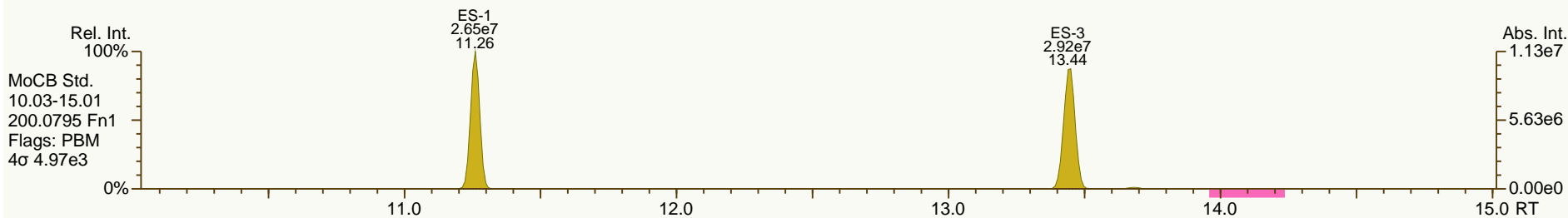
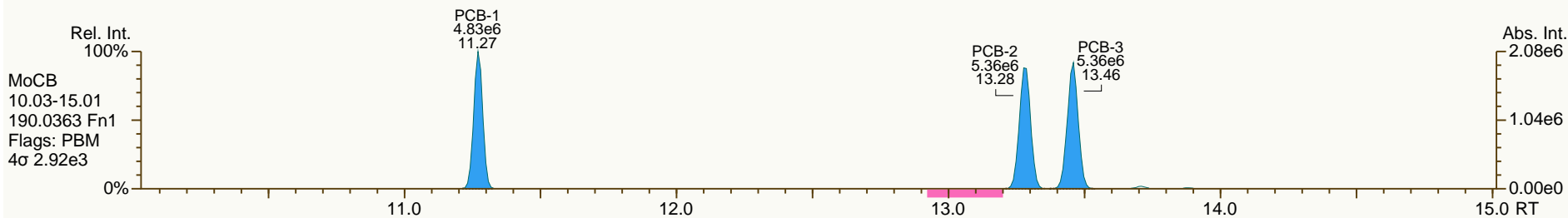
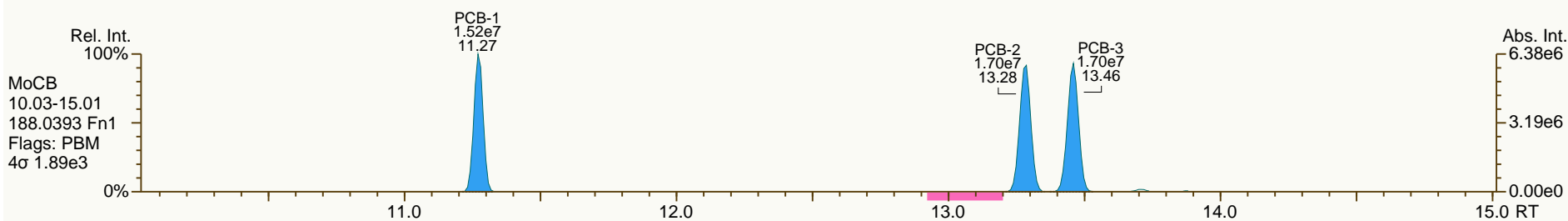
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

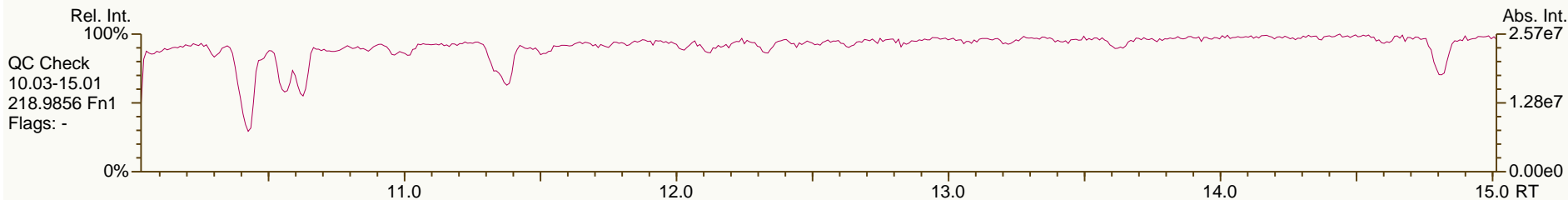
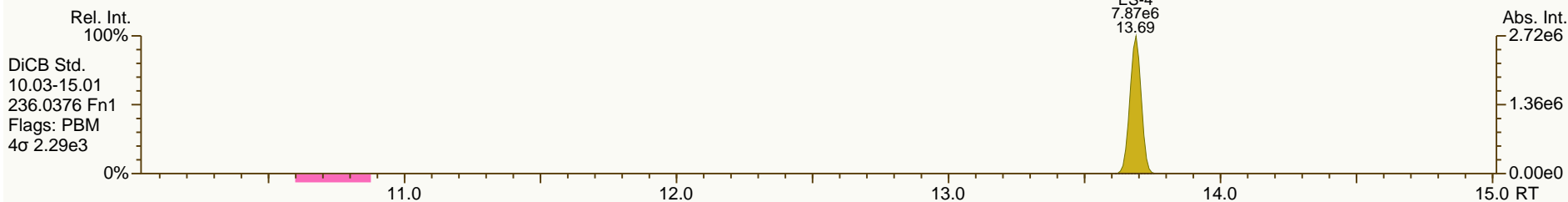
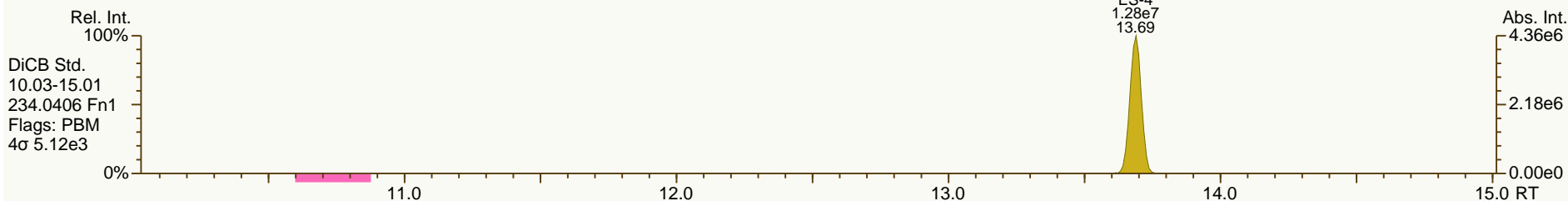
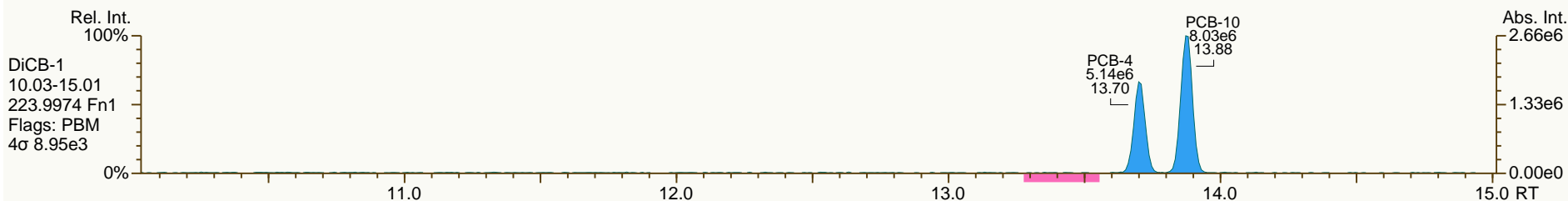
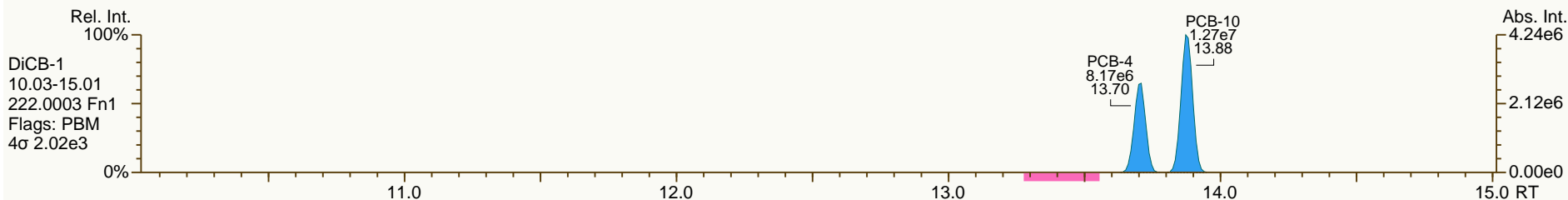
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

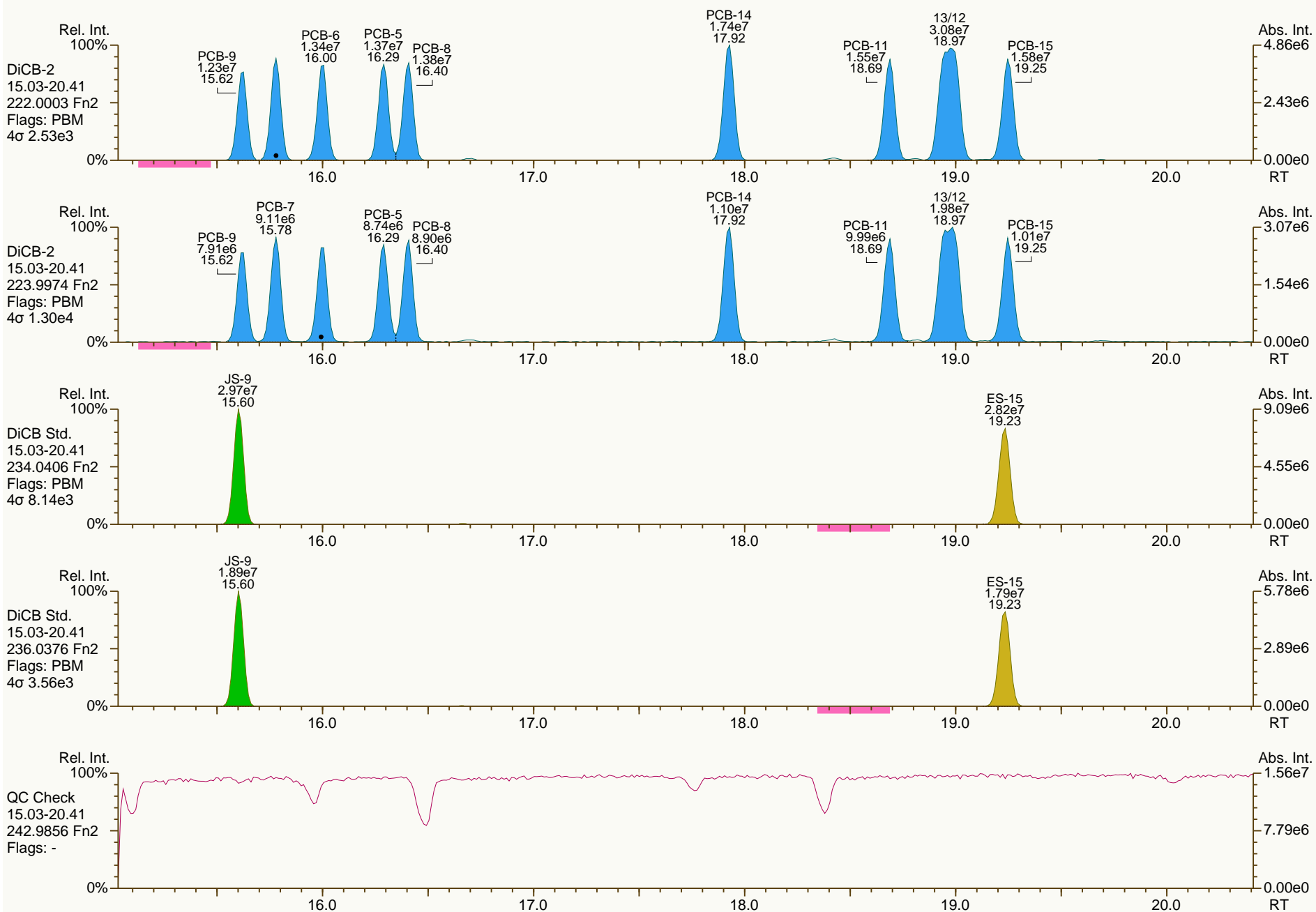
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

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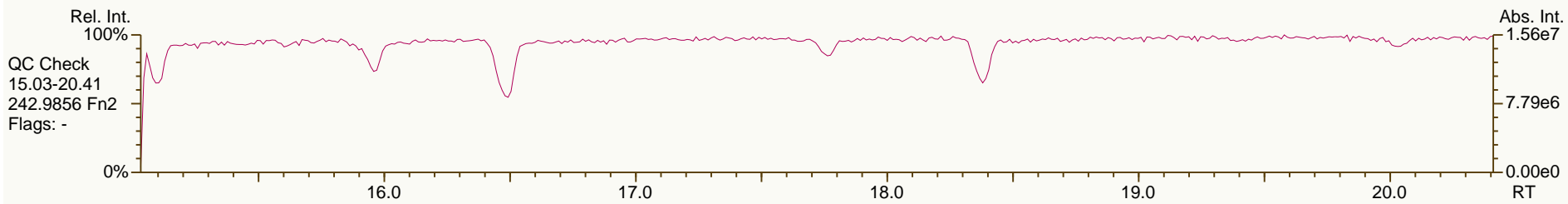
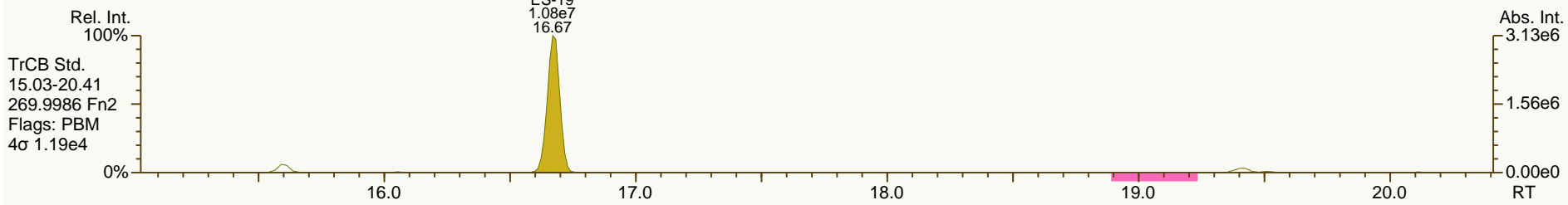
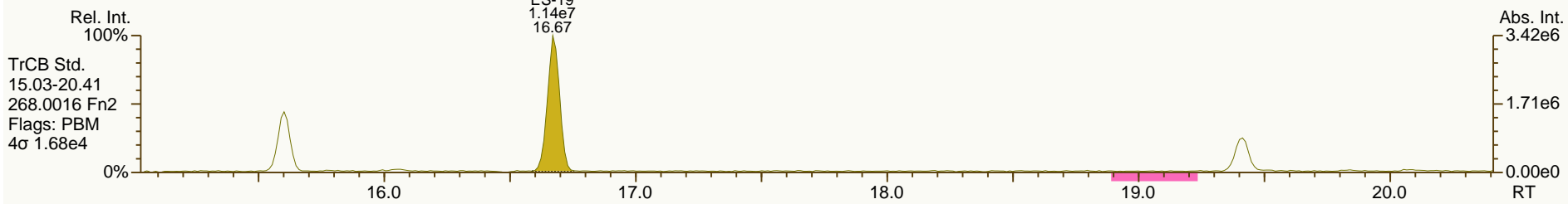
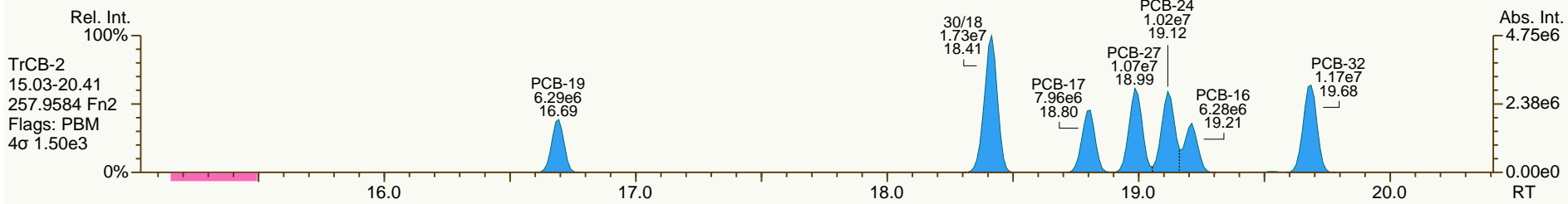
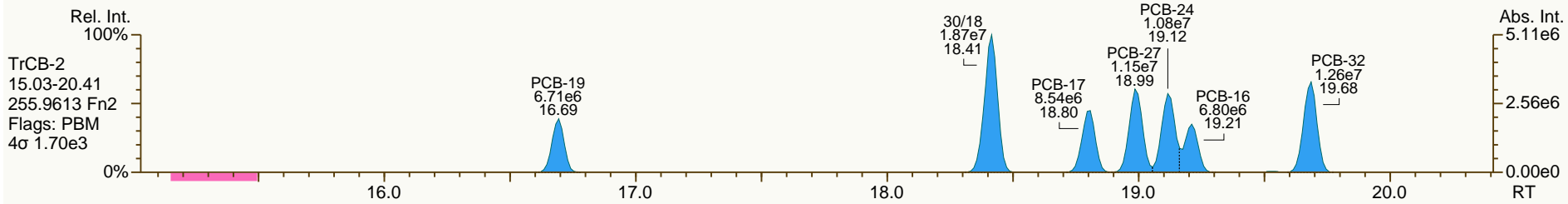
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SGS-AP ID: OPR1_10924_PCB
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Sample ID: 0_10924_OPR001
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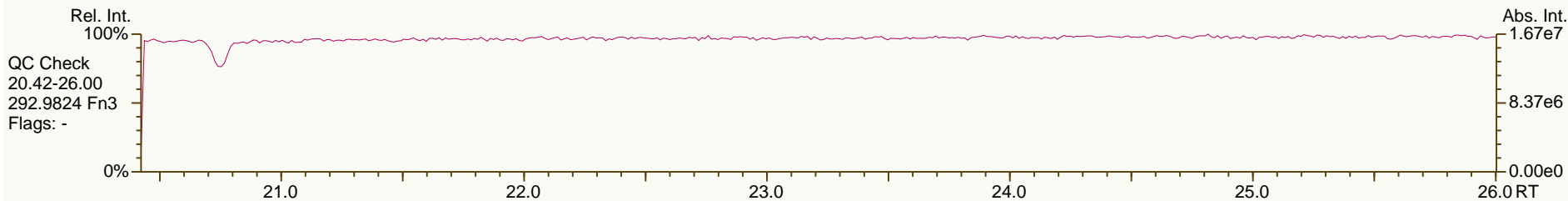
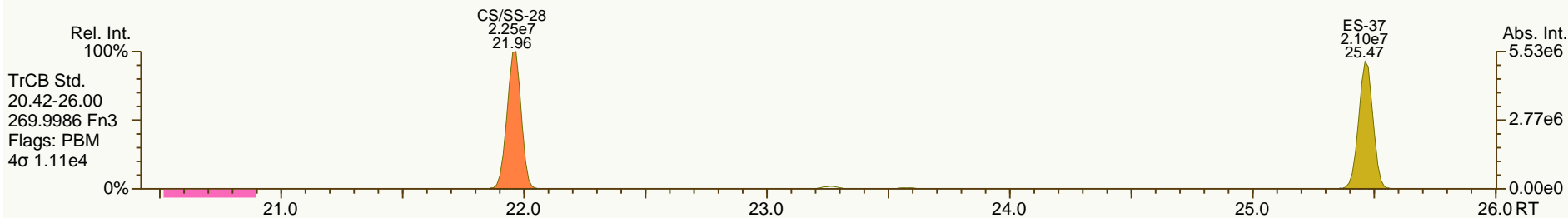
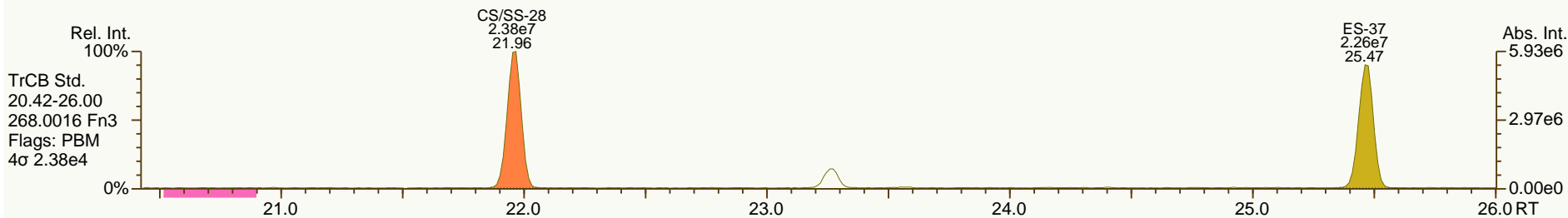
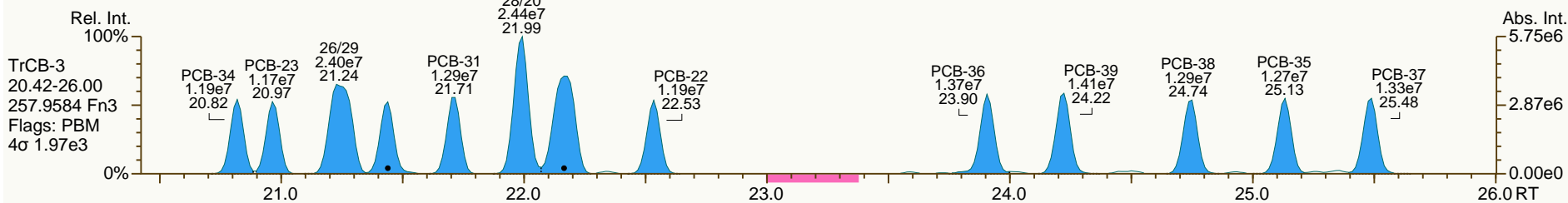
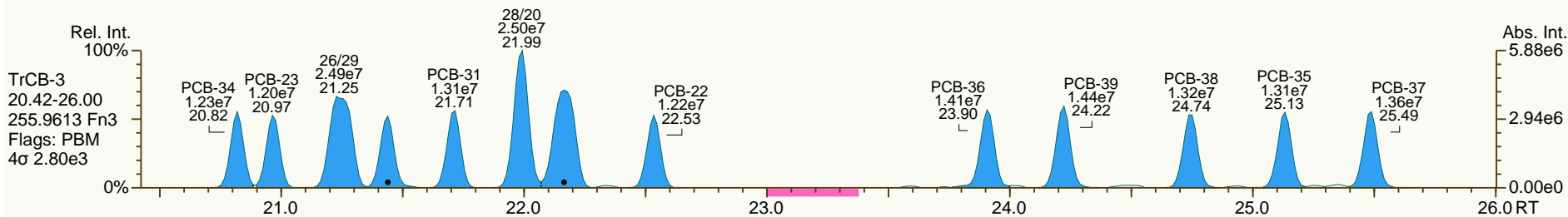
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
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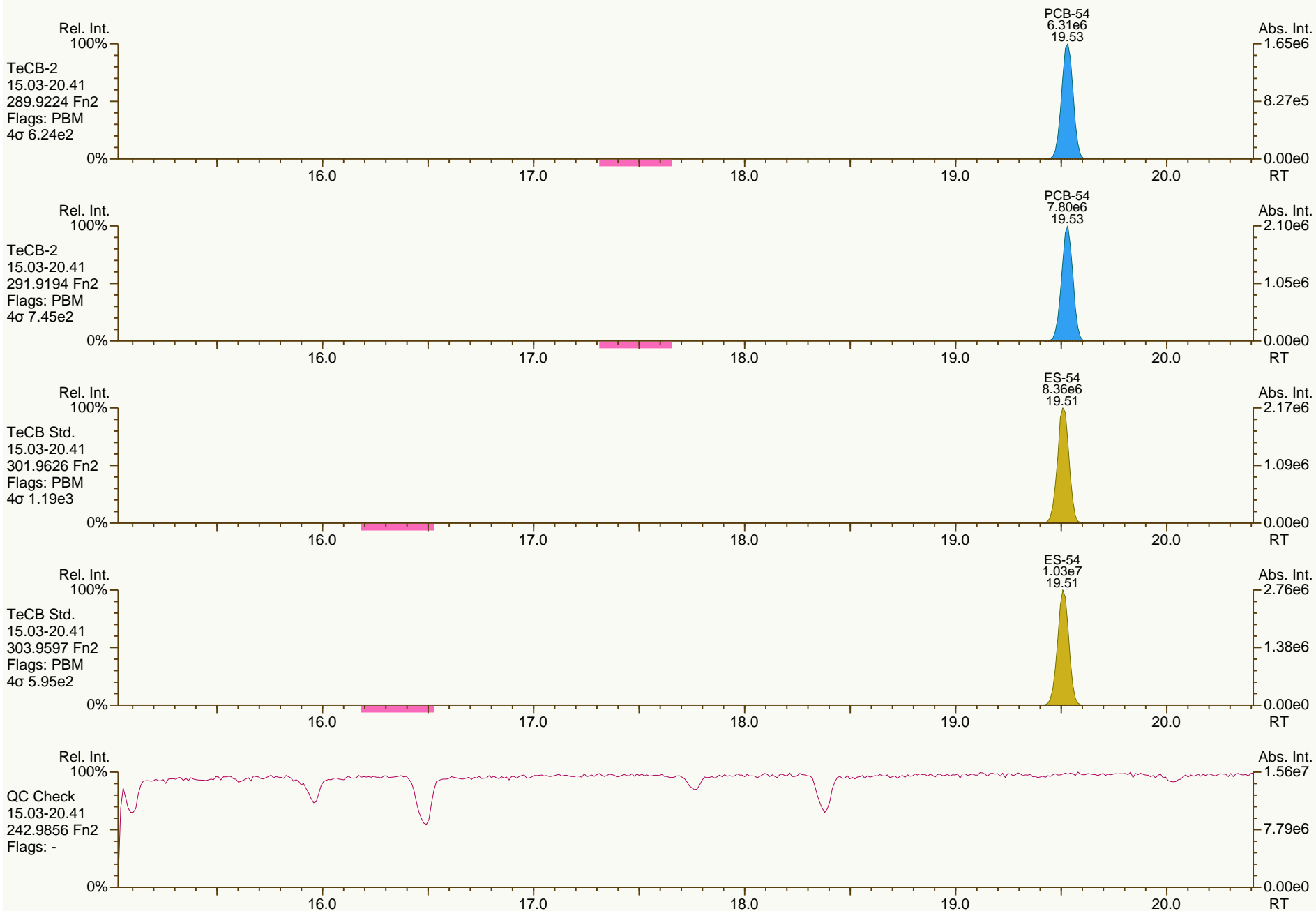
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SGS-AP ID: OPR1_10924_PCB
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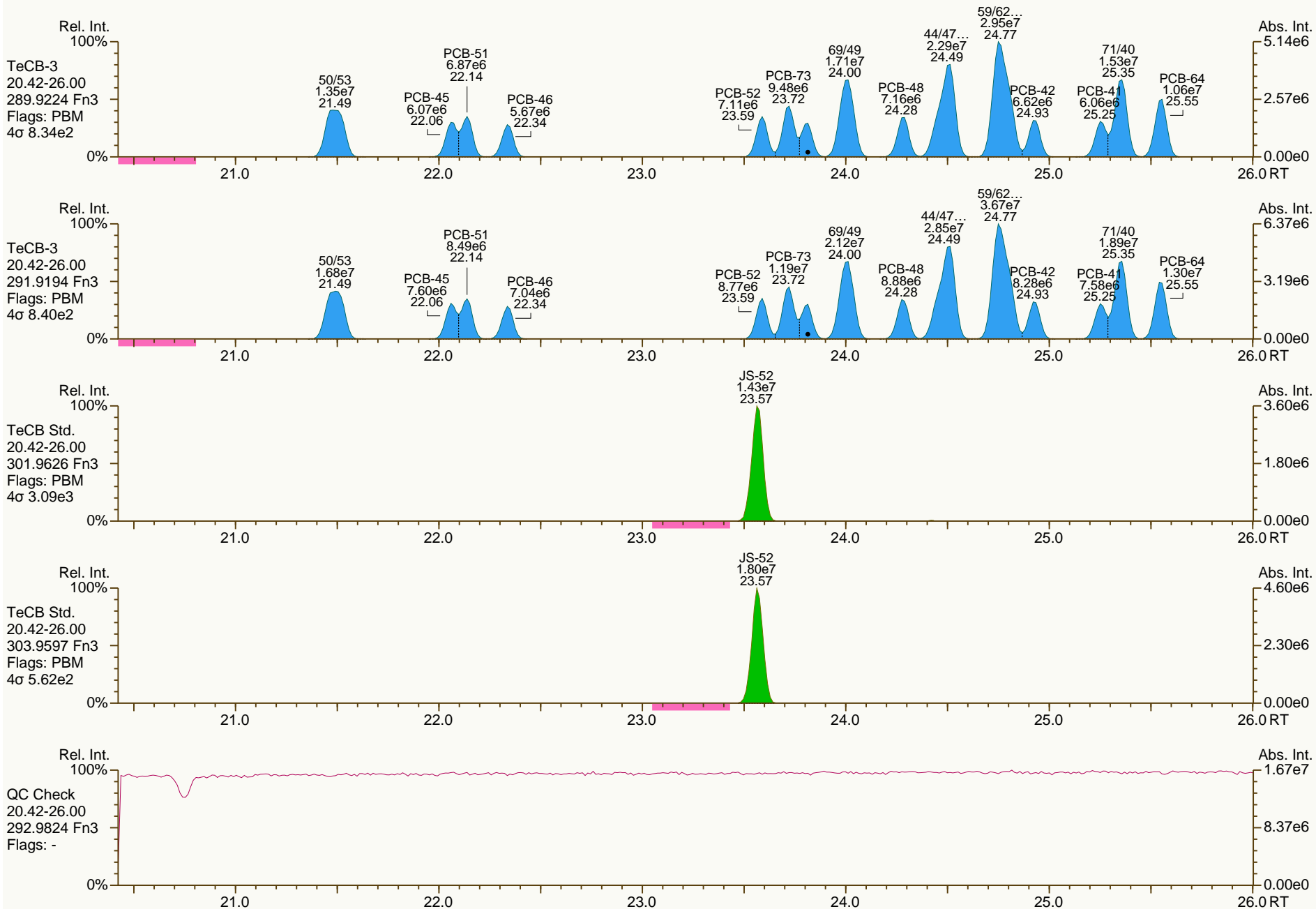
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

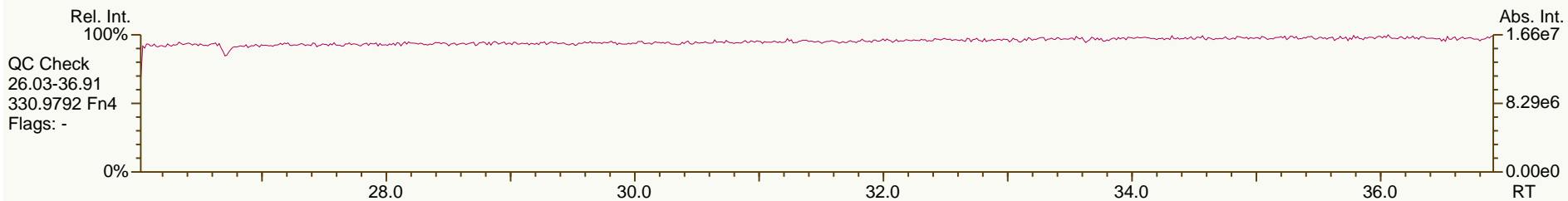
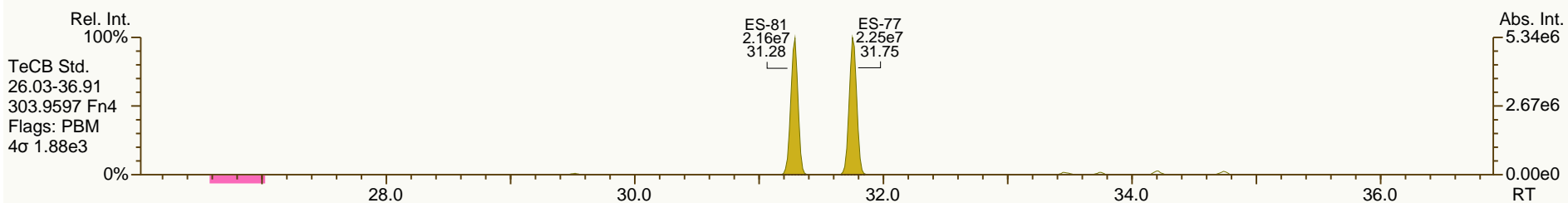
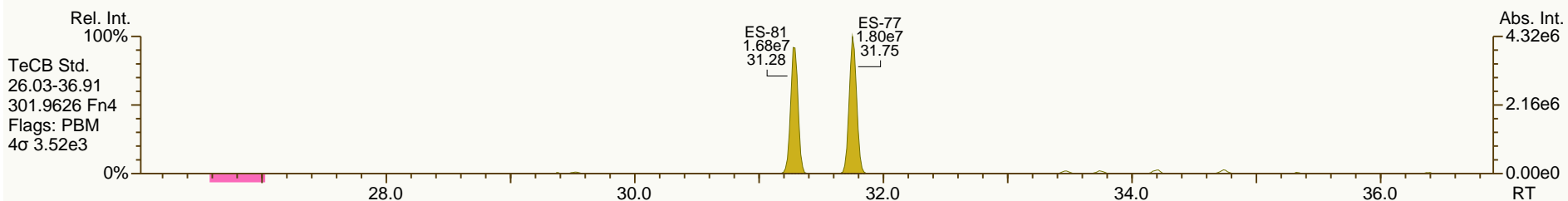
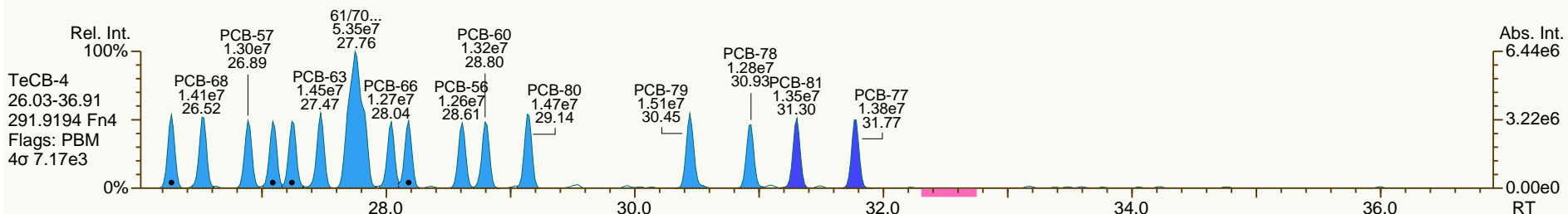
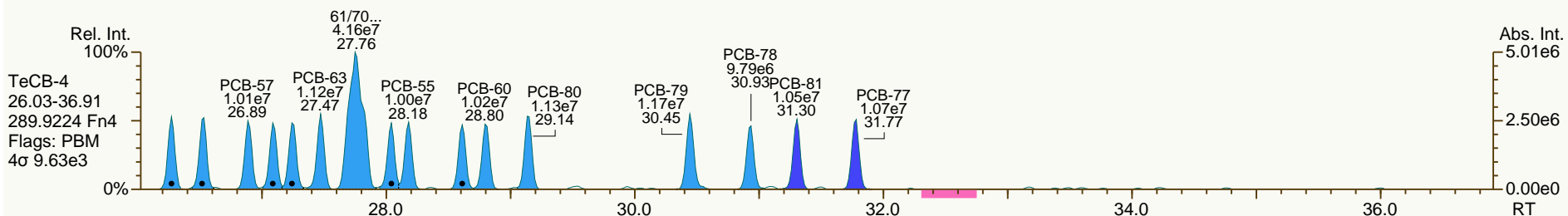
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

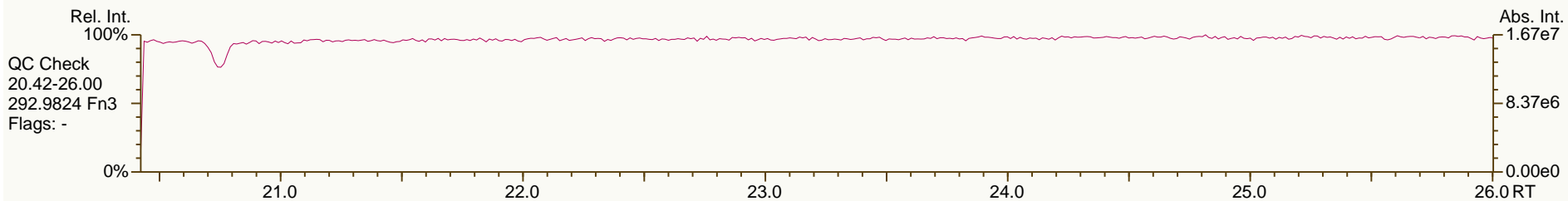
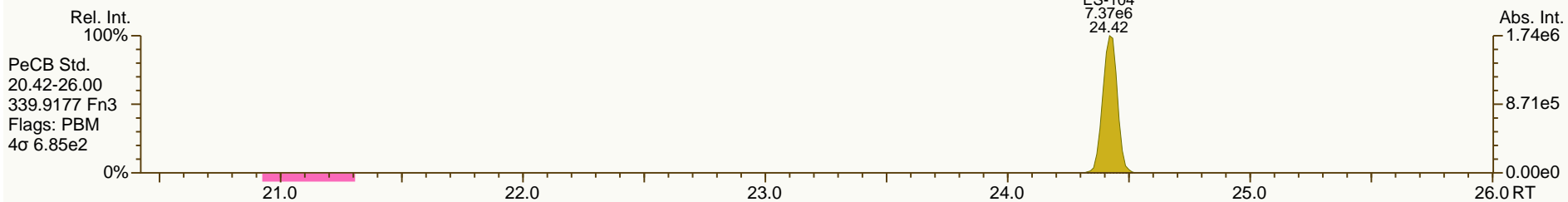
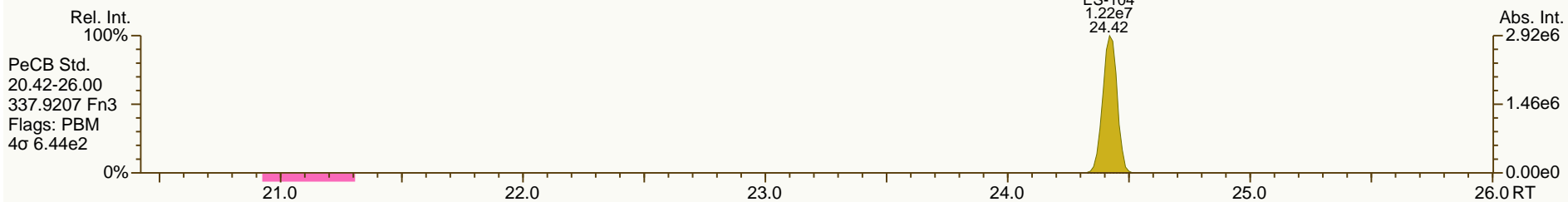
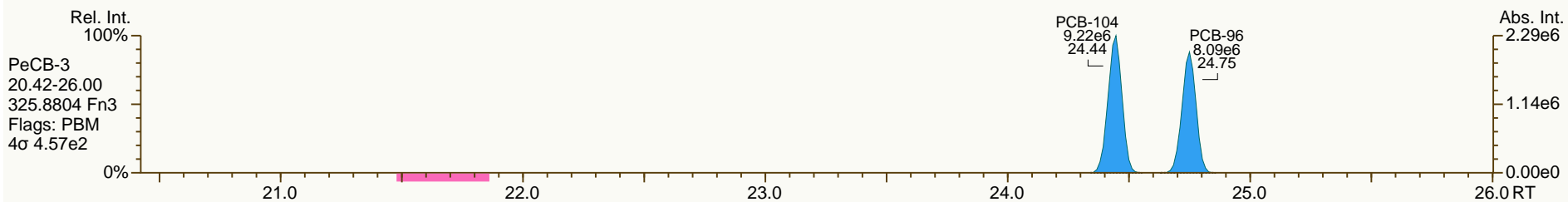
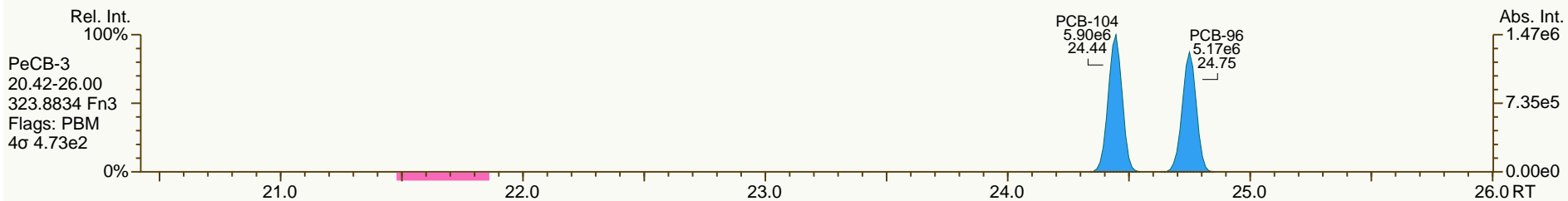
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

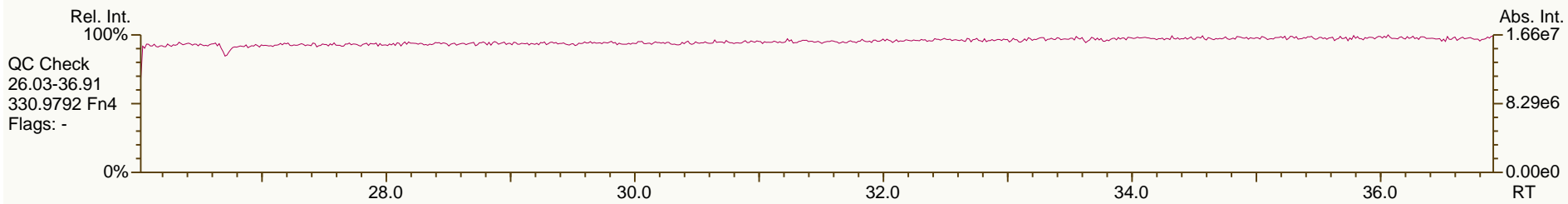
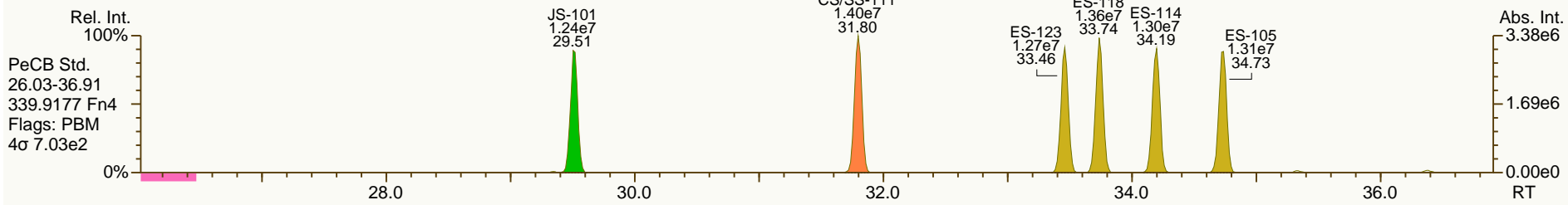
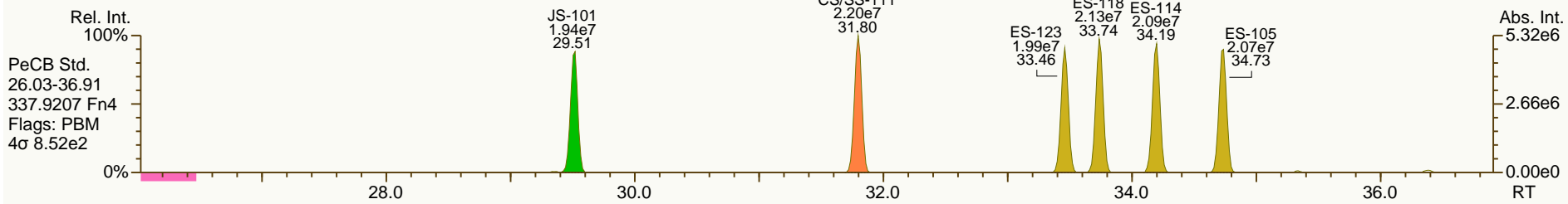
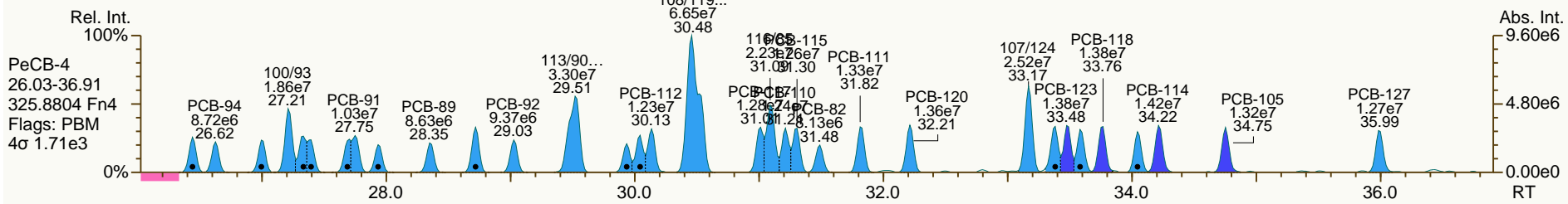
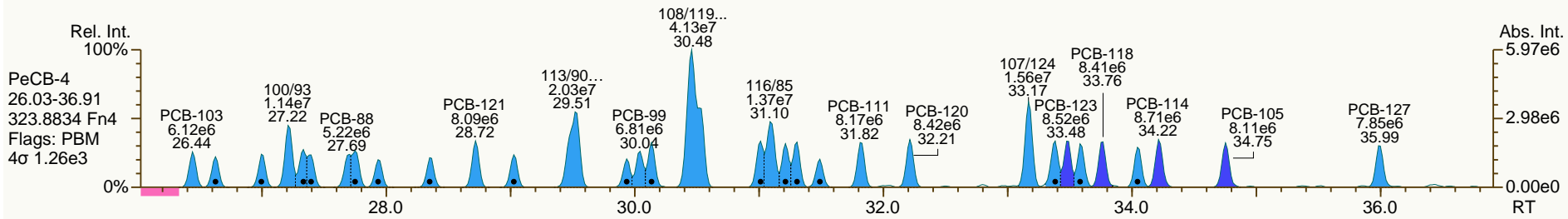
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

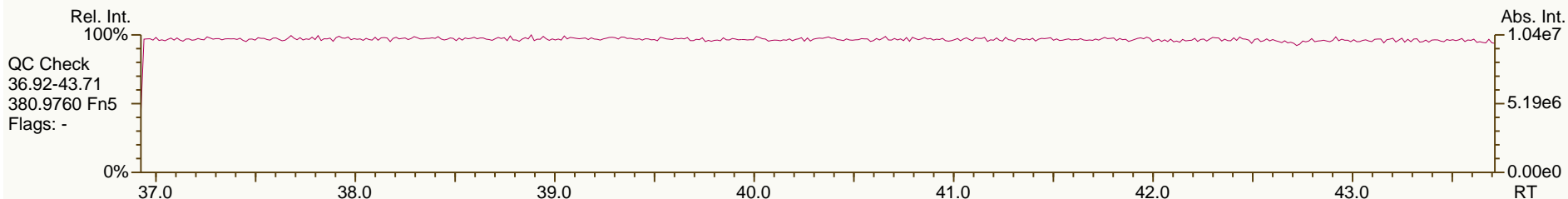
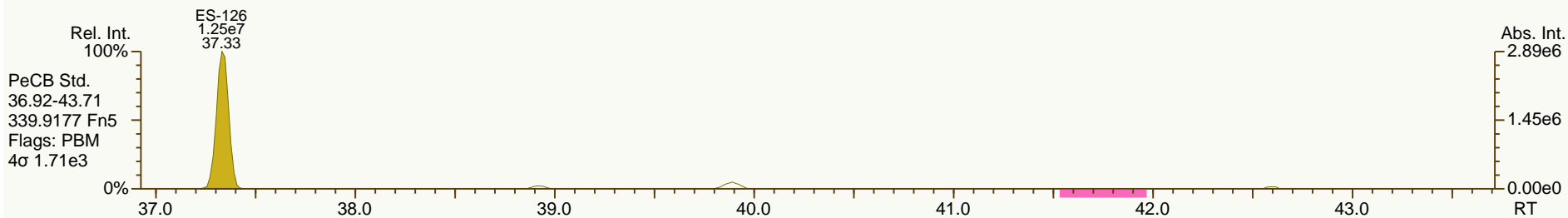
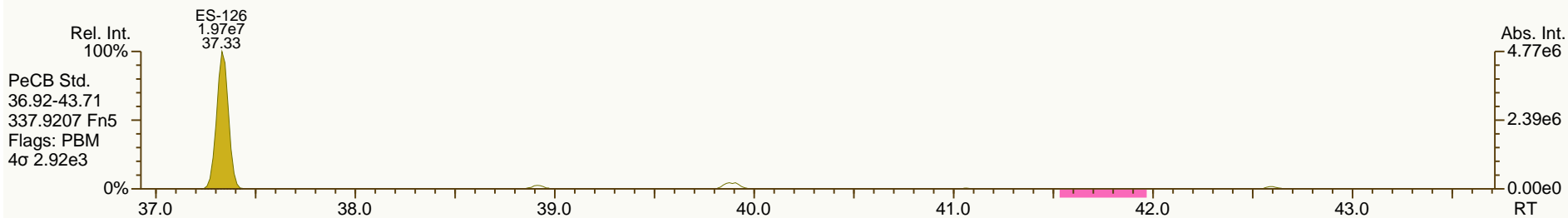
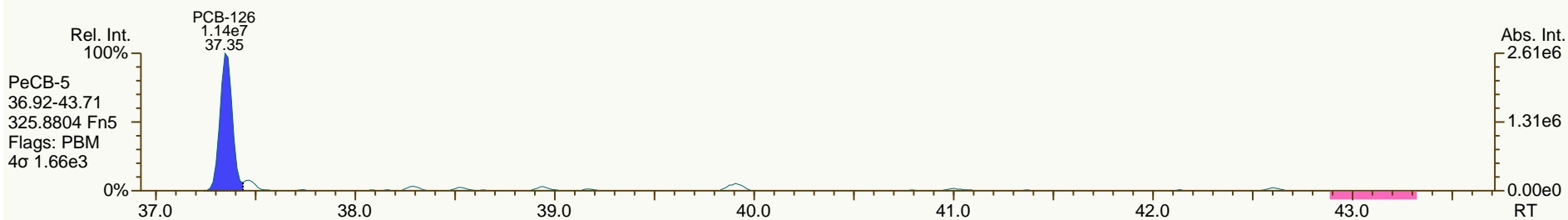
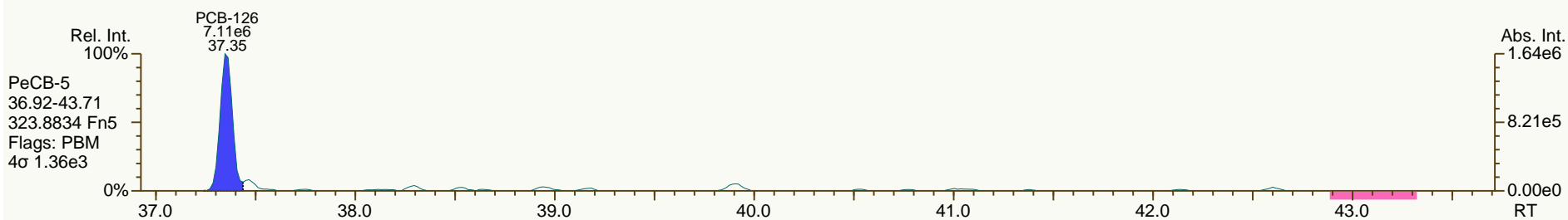
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SGS-AP ID: OPR1_10924_PCB
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Sample ID: 0_10924_OPR001
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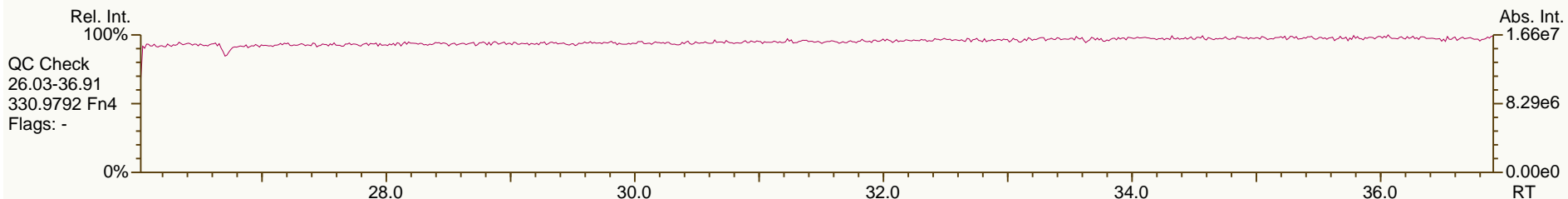
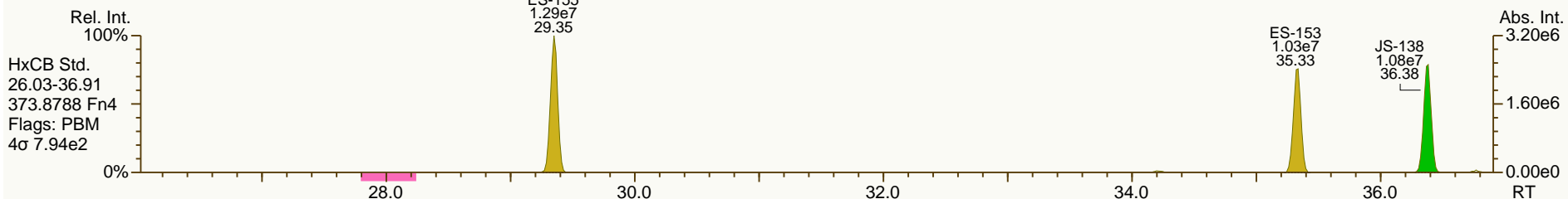
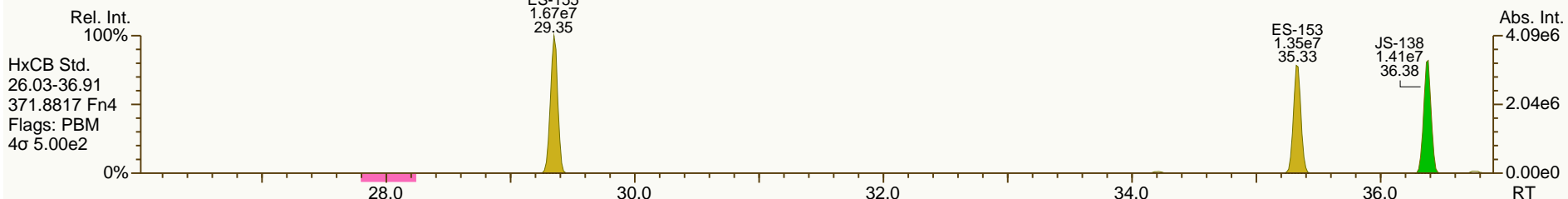
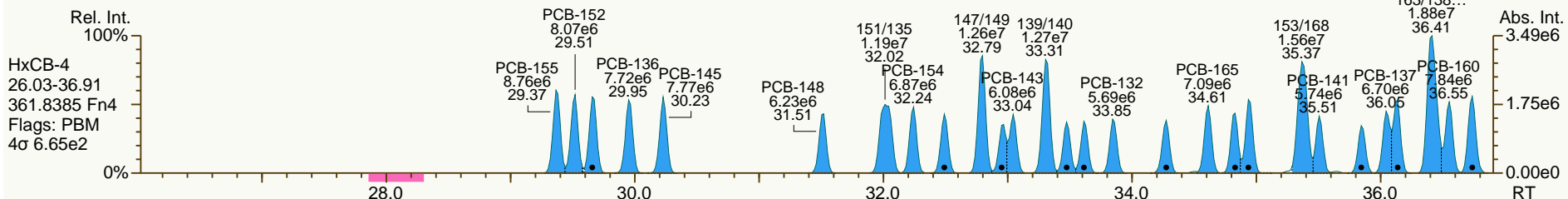
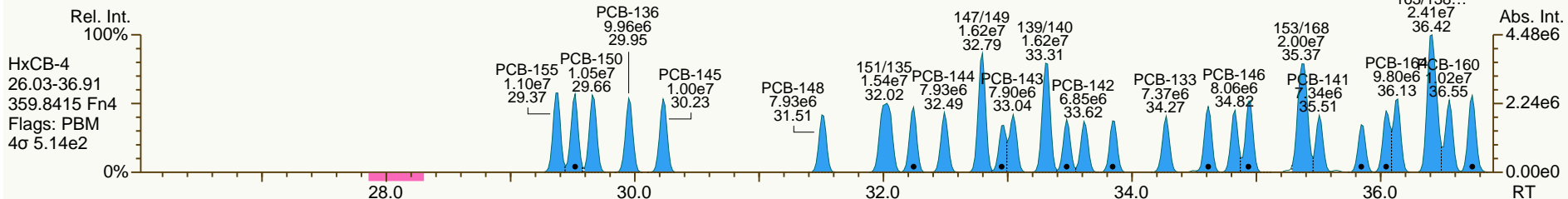
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 18-May-2013 16:01:52
User: LKB Datafile: 130519X02



SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
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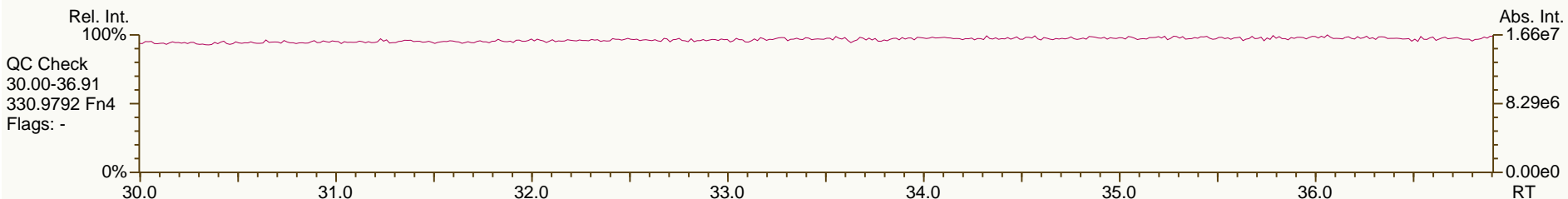
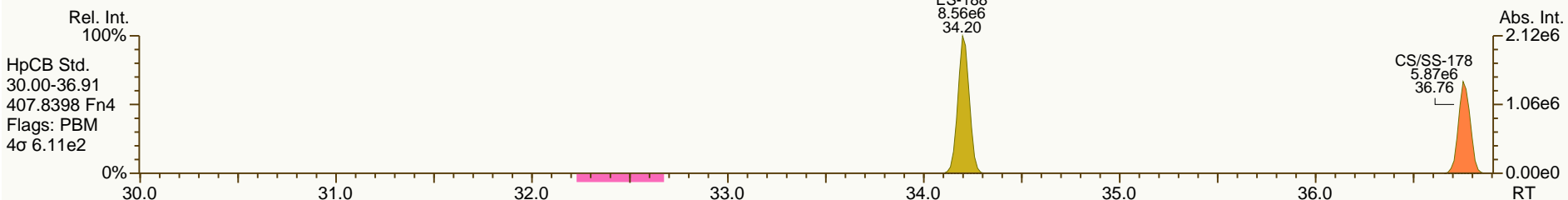
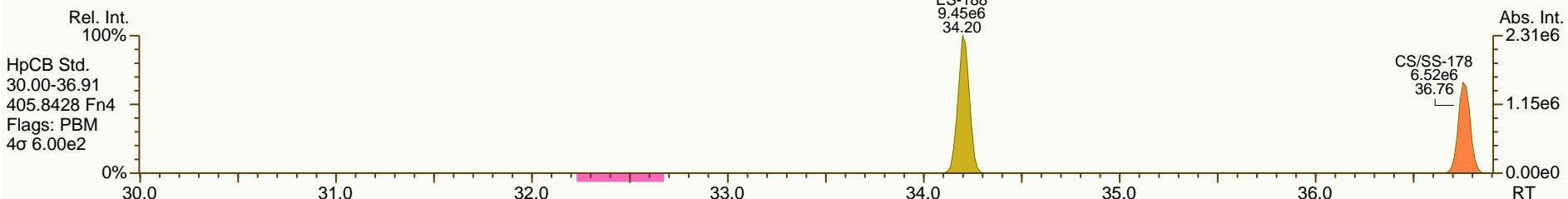
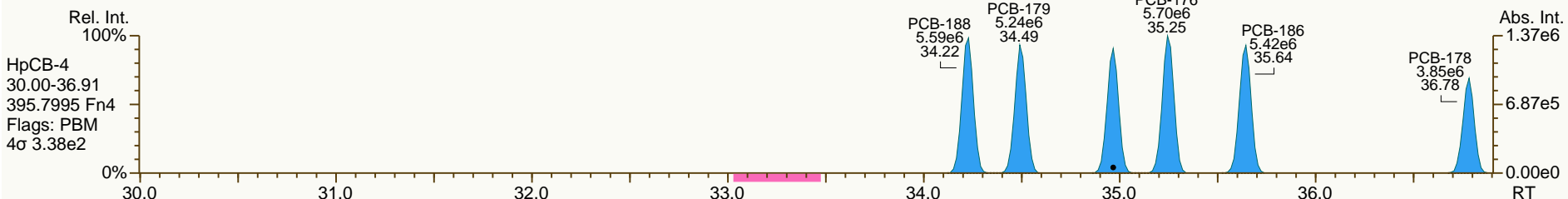
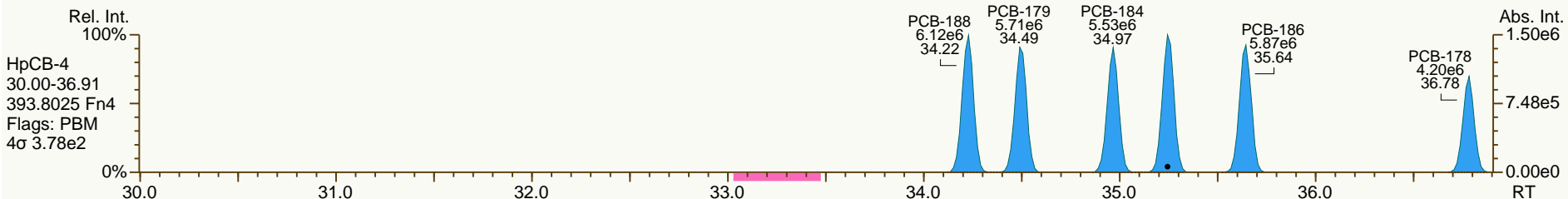
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

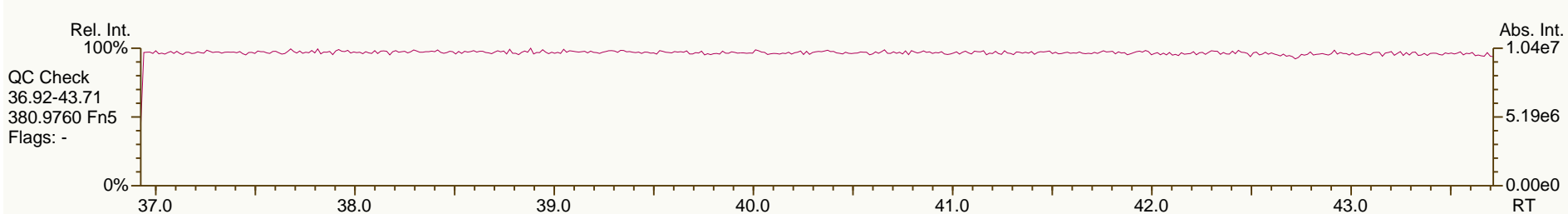
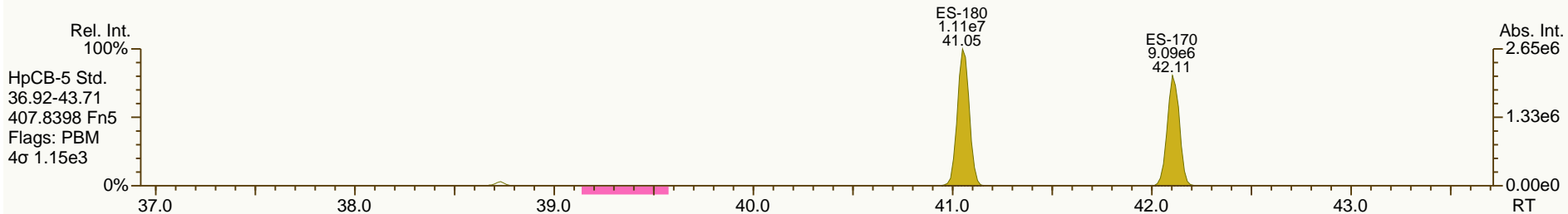
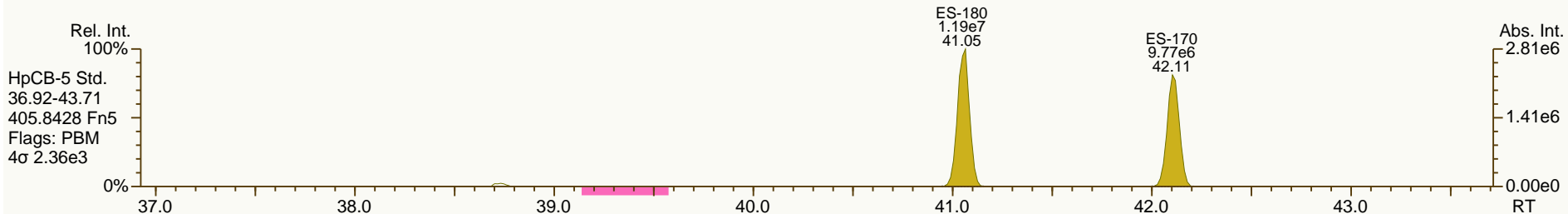
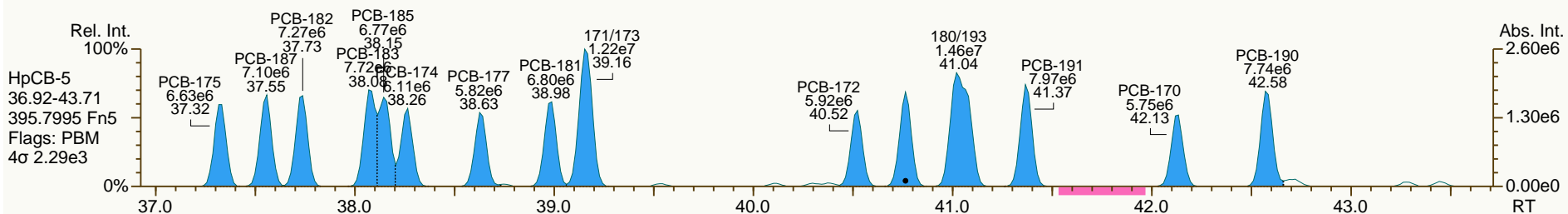
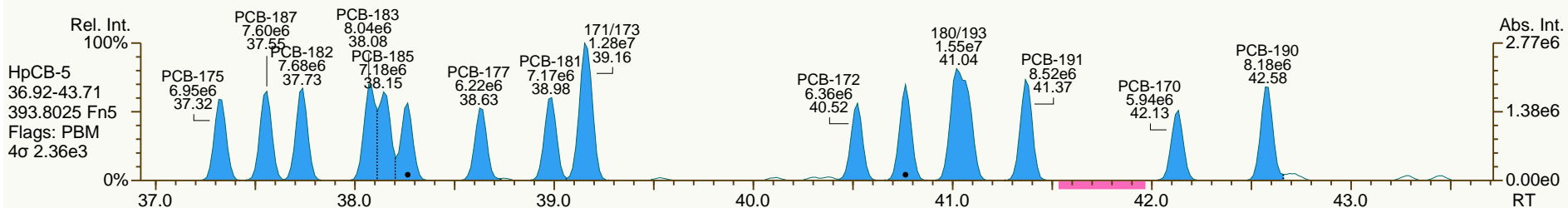
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

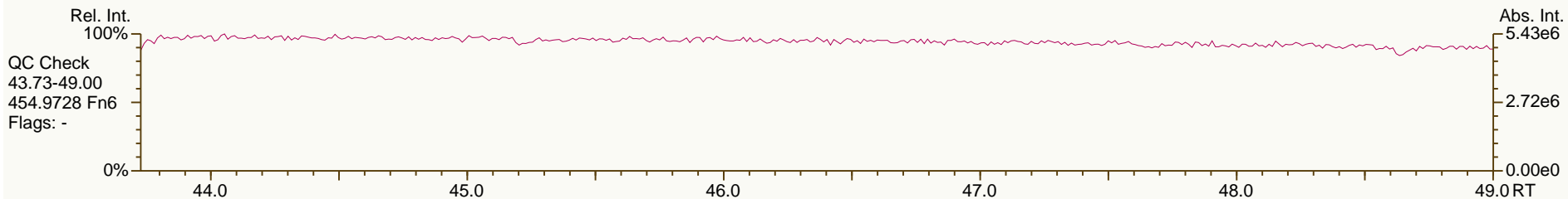
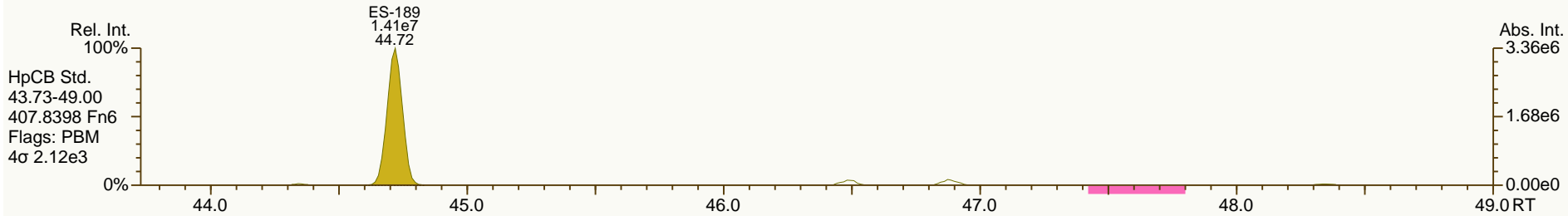
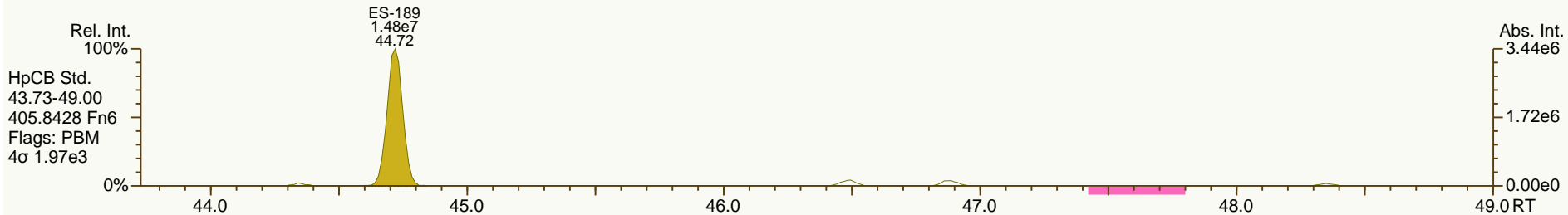
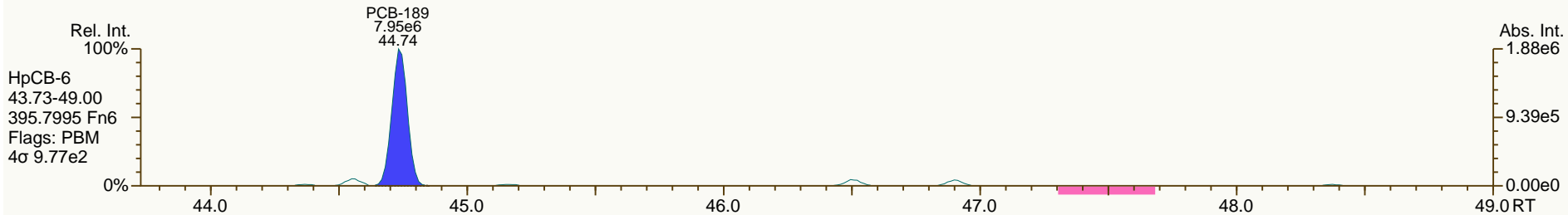
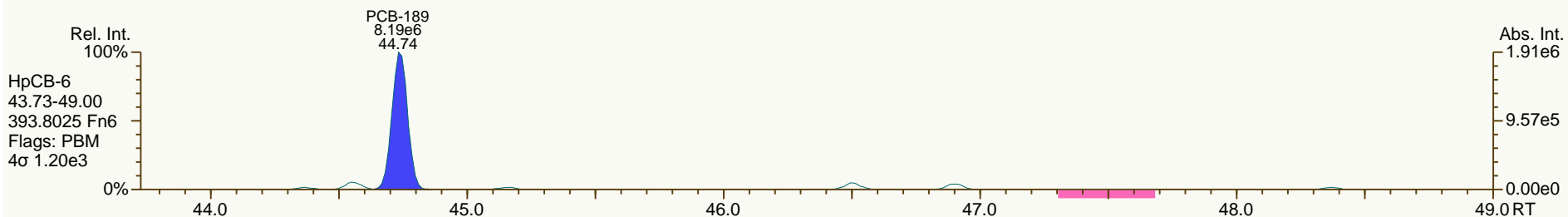
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
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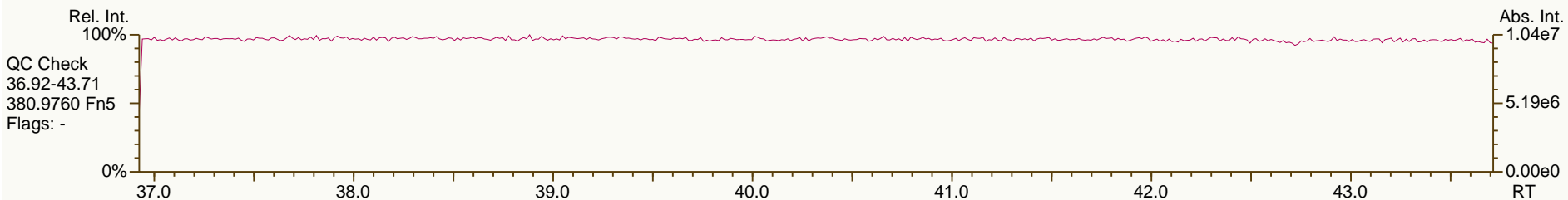
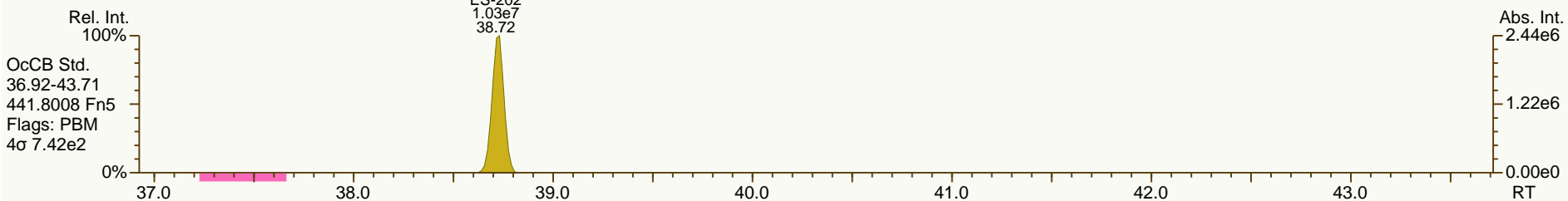
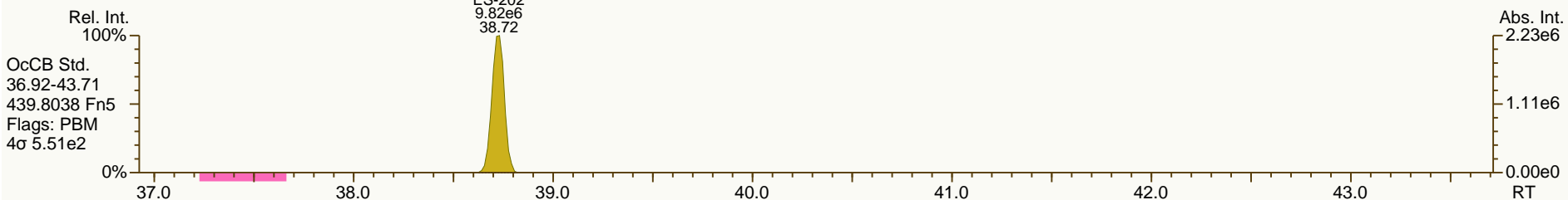
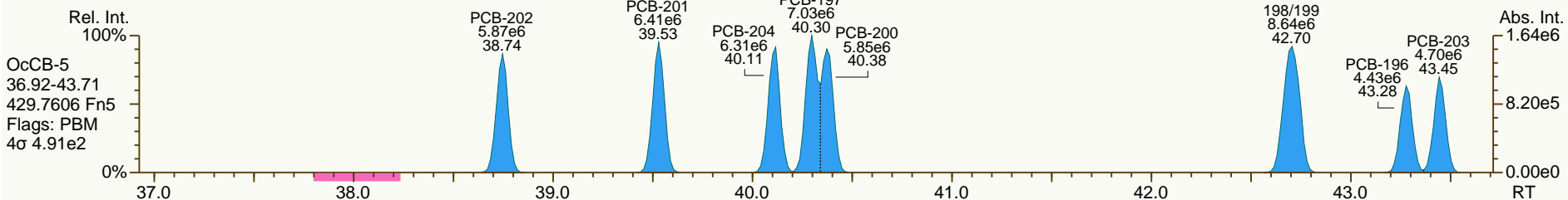
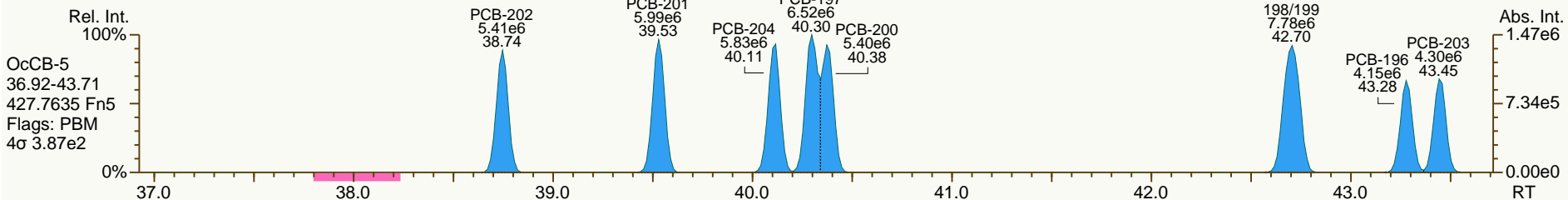
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

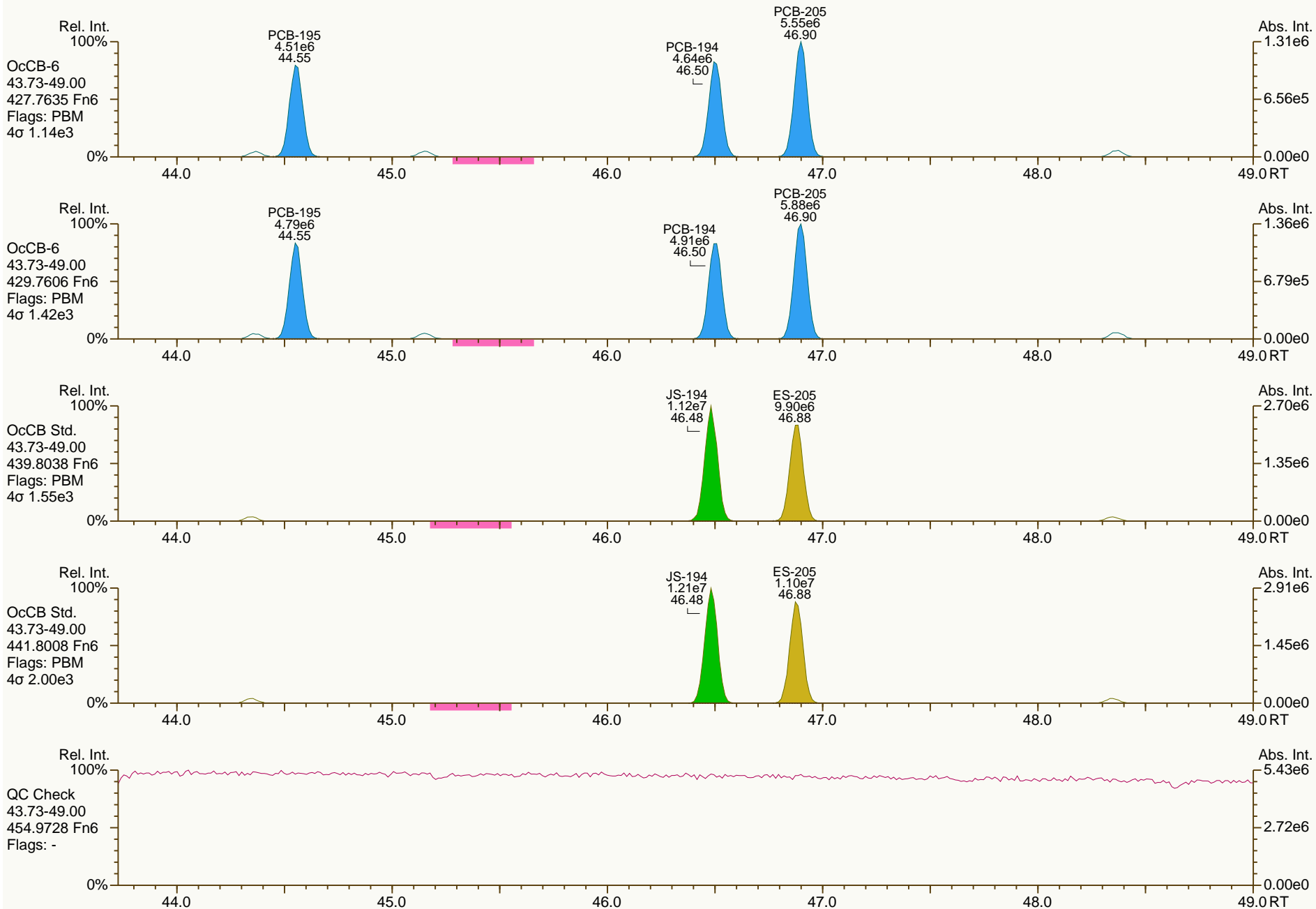
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SGS-AP ID: OPR1_10924_PCB
Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

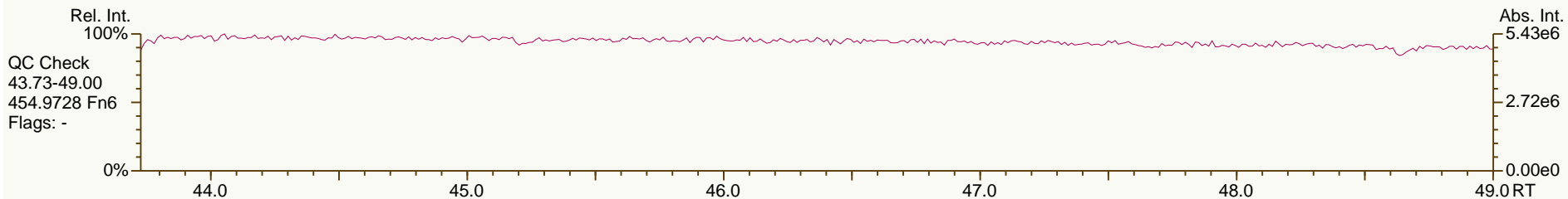
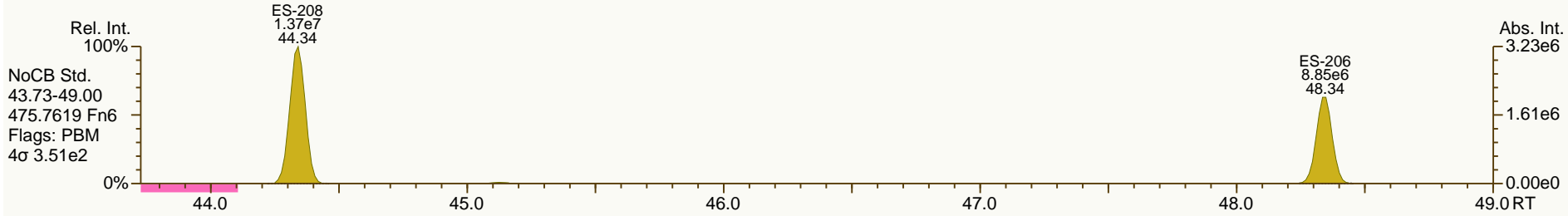
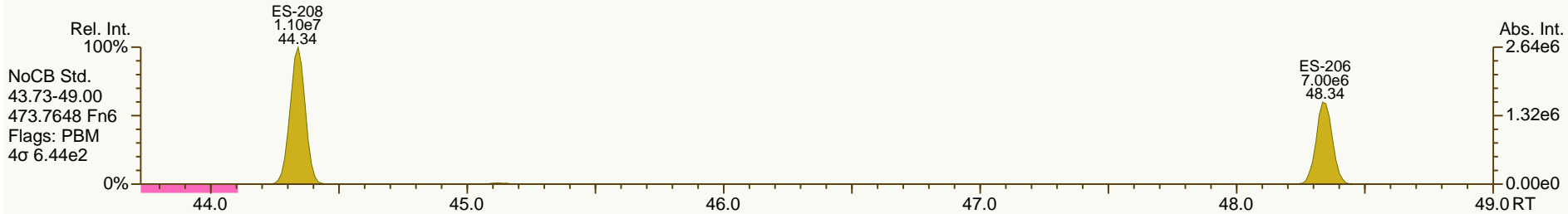
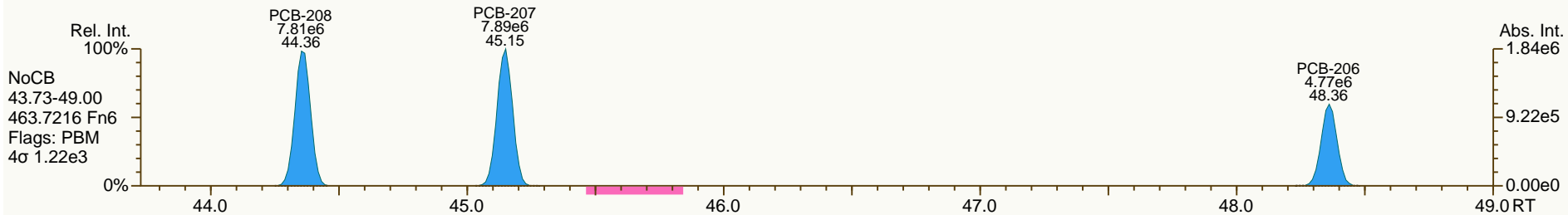
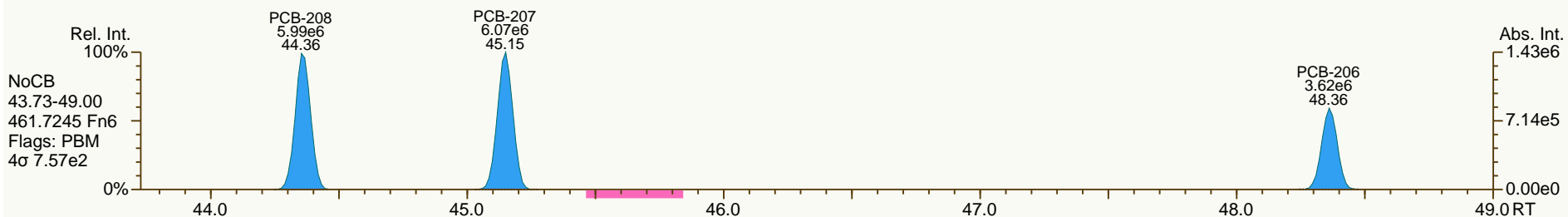
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SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

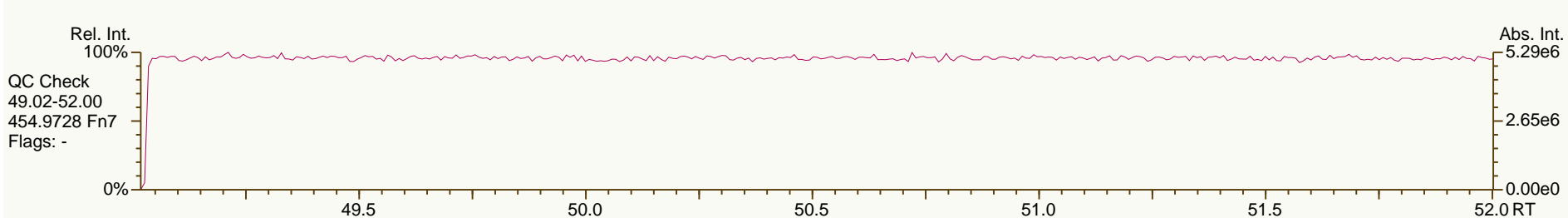
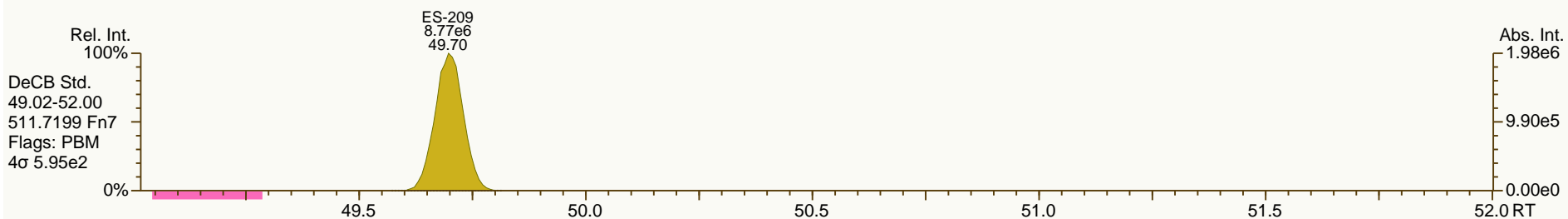
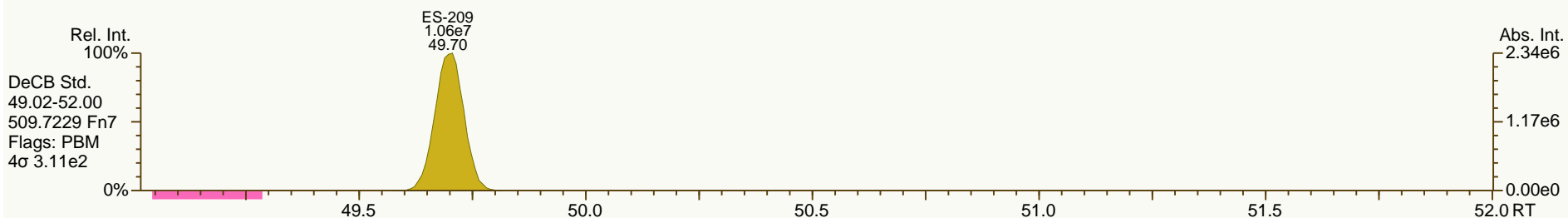
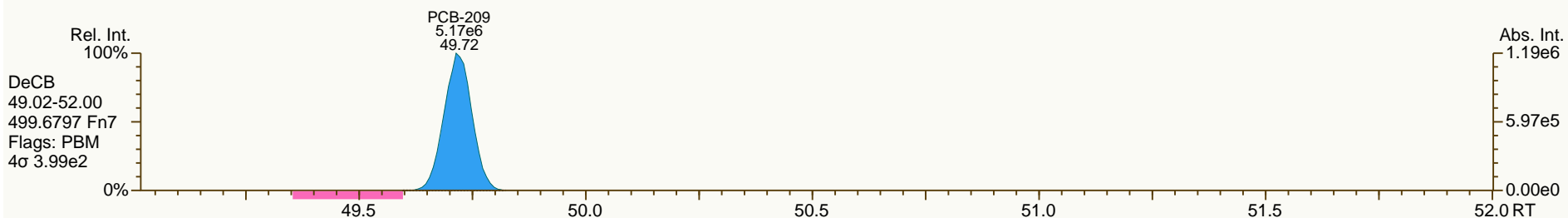
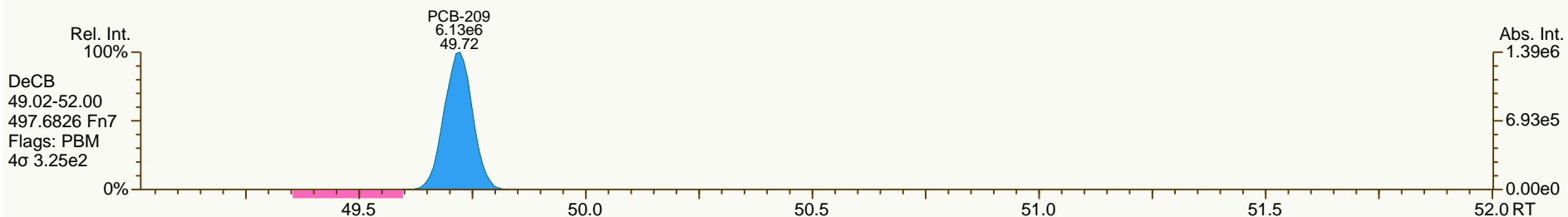
Acq: 18-May-2013 16:01:52
 User: LKB Datafile: 130519X02



SGS-AP ID: OPR1_10924_PCB
 Instr: AutoSpec-Premier MM7

Sample ID: 0_10924_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_a Vial: 20

Acq: 18-May-2013 16:01:52
 User: LKB Datafile: 130519X02





16 May 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins and dibenzofurans. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen
AP Project #	A5464
Analytical Protocol	Method 1613B
No. Samples Submitted	3
No. Samples Analyzed	3
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	1-May-2013
Condition Received	good
Temperature upon Receipt (C)	5.7
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.05.16 14:59:55 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-EA07-SC27-A-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.28 g	Lab Sample ID	A5464_10910_DF_005	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	57.1 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	07:13:30
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.686				ES 2378-TCDD	88.5	
12378-PeCDD	3.94				ES 12378-PeCDD	74.9	
123478-HxCDD	10.5				ES 123478-HxCDD	85.6	
123678-HxCDD	185				ES 123678-HxCDD	81.1	
123789-HxCDD	55.2				ES 123789-HxCDD	79.3	
1234678-HpCDD	1250				ES 1234678-HpCDD	88.8	
OCDD	3240				ES OCDD	80.9	
2378-TCDF	4.13				ES 2378-TCDF	86.8	
12378-PeCDF	2.15			J	ES 12378-PeCDF	81.7	
23478-PeCDF	5.24				ES 23478-PeCDF	76	
123478-HxCDF	8.1				ES 123478-HxCDF	81.2	
123678-HxCDF	6.64				ES 123678-HxCDF	83.9	
234678-HxCDF	14.1				ES 234678-HxCDF	84.1	
123789-HxCDF	ND	0.332			ES 123789-HxCDF	84.4	
1234678-HpCDF	298				ES 1234678-HpCDF	78.5	
1234789-HpCDF	9.41				ES 1234789-HpCDF	85.3	
OCDF	238				ES OCDF	74.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	69.6		70.7		CS 37Cl-2378-TCDD	98.1	
Total PeCDD	72		72		CS 12347-PeCDD	88.8	
Total HxCDD	1200		1200		CS 12346-PeCDF	93.1	
Total HpCDD	2480		2480		CS 123469-HxCDF	95.4	
Total TCDF	50.8		52		CS 1234689-HpCDF	92	
Total PeCDF	88.2		89.1		AS 1368-TCDD	86.1	
Total HxCDF	383		383		AS 1368-TCDF	90.3	
Total HpCDF	822		822				
Total PCDD/Fs	8650		8650				
WHO-2005 TEQs							
TEQ: ND=0	51.1		51.1				
TEQ: ND=DL/2	51.2	0.305	51.2				
TEQ: ND=DL	51.2	0.609	51.2				



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Sample ID: JW-EA07-SC27-B-130429**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.05 g	Lab Sample ID	A5464_10910_DF_006	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	68.4 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	08:06:02
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.44		ES 2378-TCDD	90.9	
12378-PeCDD	7.83				ES 12378-PeCDD	83.5	
123478-HxCDD	18.5				ES 123478-HxCDD	82.9	
123678-HxCDD	327				ES 123678-HxCDD	80.2	
123789-HxCDD	82.4				ES 123789-HxCDD	82.2	
1234678-HpCDD	2410				ES 1234678-HpCDD	89.7	
OCDD	6440				ES OCDD	83.4	
2378-TCDF	12.4				ES 2378-TCDF	84.7	
12378-PeCDF	5.63				ES 12378-PeCDF	87.1	
23478-PeCDF	15.9				ES 23478-PeCDF	84.8	
123478-HxCDF	26.4				ES 123478-HxCDF	79.1	
123678-HxCDF	20.3				ES 123678-HxCDF	80.8	
234678-HxCDF	48.2				ES 234678-HxCDF	81.8	
123789-HxCDF	ND	0.368			ES 123789-HxCDF	88.8	
1234678-HpCDF	1050				ES 1234678-HpCDF	78.3	
1234789-HpCDF	31.6				ES 1234789-HpCDF	83.4	
OCDF	718				ES OCDF	73.7	
Totals					Standard	CS/AS Recoveries	
Total TCDD	122		125		CS 37Cl-2378-TCDD	97.3	
Total PeCDD	161		163		CS 12347-PeCDD	102	
Total HxCDD	2010		2010		CS 12346-PeCDF	102	
Total HpCDD	4600		4600		CS 123469-HxCDF	93.1	
Total TCDF	162		163		CS 1234689-HpCDF	94.7	
Total PeCDF	300		301		AS 1368-TCDD	83.2	
Total HxCDF	1400		1400		AS 1368-TCDF	89	
Total HpCDF	2930		2930				
Total PCDD/Fs	18900		18900				
WHO-2005 TEQs							
TEQ: ND=0	103		105				
TEQ: ND=DL/2	104	0.352	105				
TEQ: ND=DL	104	0.705	105				



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Sample ID: JW-EA07-SC27-C-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.13 g	Lab Sample ID:	A5464_10910_DF_007	Date Extracted:	07-May-2013
Date Collected:	29-Apr-2013	% Solids:	71.4 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	08:58:04
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	2.43				ES 2378-TCDD	90	
12378-PeCDD	4.28				ES 12378-PeCDD	83.5	
123478-HxCDD	4.65				ES 123478-HxCDD	84	
123678-HxCDD	50.4				ES 123678-HxCDD	81.3	
123789-HxCDD	17.3				ES 123789-HxCDD	85.3	
1234678-HpCDD	370				ES 1234678-HpCDD	90	
OCDD	1490				ES OCDD	80	
2378-TCDF	14				ES 2378-TCDF	82	
12378-PeCDF	4.46				ES 12378-PeCDF	82.9	
23478-PeCDF	8.72				ES 23478-PeCDF	80.2	
123478-HxCDF	4.6				ES 123478-HxCDF	80.8	
123678-HxCDF	3.82				ES 123678-HxCDF	80.5	
234678-HxCDF	6.44				ES 234678-HxCDF	83.6	
123789-HxCDF	ND	0.236			ES 123789-HxCDF	87.4	
1234678-HpCDF	90.1				ES 1234678-HpCDF	78.4	
1234789-HpCDF	3.59				ES 1234789-HpCDF	89.1	
OCDF	127				ES OCDF	76.8	
Totals					Standard	CS/AS Recoveries	
Total TCDD	190		190		CS 37Cl-2378-TCDD	100	
Total PeCDD	155		157		CS 12347-PeCDD	94.9	
Total HxCDD	403		403		CS 12346-PeCDF	97	
Total HpCDD	709		709		CS 123469-HxCDF	95.6	
Total TCDF	217		220		CS 1234689-HpCDF	91.3	
Total PeCDF	111		114		AS 1368-TCDD	76.6	
Total HxCDF	134		134		AS 1368-TCDF	84.3	
Total HpCDF	249		250				
Total PCDD/Fs	3780		3790				
WHO-2005 TEQs							
TEQ: ND=0	24.7		24.7				
TEQ: ND=DL/2	24.7	0.367	24.7				
TEQ: ND=DL	24.7	0.734	24.7				



2714 Exchange Drive
Wilmington, NC 28405, USA
www.us.sgs.com

Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

Sample ID: Method Blank A5464**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5464	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_10910_DF_SDS	Date Extracted:	07-May-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	10910	Date Analyzed:	12-May-2013
		Split:	-	Dilution:	-	Time Analyzed:	06:20:52
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.129			ES 2378-TCDD	89.4	
12378-PeCDD	ND	0.136			ES 12378-PeCDD	82.6	
123478-HxCDD	ND	0.144			ES 123478-HxCDD	81.8	
123678-HxCDD	ND	0.147			ES 123678-HxCDD	80.6	
123789-HxCDD	ND	0.146			ES 123789-HxCDD	81.5	
1234678-HpCDD	ND	0.157			ES 1234678-HpCDD	77.6	
OCDD	ND	0.272			ES OCDD	67.2	
2378-TCDF	ND	0.106			ES 2378-TCDF	87.3	
12378-PeCDF	ND	0.111			ES 12378-PeCDF	81.5	
23478-PeCDF	ND	0.0988			ES 23478-PeCDF	81.2	
123478-HxCDF	ND	0.106			ES 123478-HxCDF	77.5	
123678-HxCDF	ND	0.0958			ES 123678-HxCDF	80.7	
234678-HxCDF	ND	0.108			ES 234678-HxCDF	82.2	
123789-HxCDF	ND	0.136			ES 123789-HxCDF	79	
1234678-HpCDF	ND	0.136			ES 1234678-HpCDF	72.2	
1234789-HpCDF	ND	0.151			ES 1234789-HpCDF	81.2	
OCDF	ND	0.28			ES OCDF	65.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND	0.129	ND		CS 37Cl-2378-TCDD	100	
Total PeCDD	ND	0.136	ND		CS 12347-PeCDD	102	
Total HxCDD	ND	0.145	ND		CS 12346-PeCDF	94.7	
Total HpCDD	ND	0.157	ND		CS 123469-HxCDF	94	
Total TCDF	ND	0.106	ND		CS 1234689-HpCDF	85.4	
Total PeCDF	ND	0.105	ND		AS 1368-TCDD	110	
Total HxCDF	ND	0.11	ND		AS 1368-TCDF	98.3	
Total HpCDF	ND	0.143	ND				
Total PCDD/Fs	ND		ND				
WHO-2005 TEQs							
TEQ: ND=0	0		0				
TEQ: ND=DL/2	0.201	0.201	0.201				
TEQ: ND=DL	0.402	0.402	0.402				



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www.us.sgs.com

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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.8	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	57.4	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53.1	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	53.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	50.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	51.5	35	- 70	Y
OCDD	100	106	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	52.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	54.1	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.9	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.9	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.4	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50.9	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	54.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.3	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	78.7	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	84.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	80.6	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	79.5	26	-	166	Y
13C-OCDD	200	137	26	-	397	Y
13C-2,3,7,8-TCDF	100	85	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	86.8	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	82.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	80.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	83.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	81.8	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	81.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	72.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	76.4	20	-	186	Y
13C-OCDF	200	130	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	38.1	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 14 May 2013 13:28 Analyst: MC

Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5464
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sqs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: D/F
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-216-130429 - HOLD	A5464_001	Sediment	1	29-Apr-13	12:20	5.7	1	799649027708
JW-SS-217-130429 - HOLD	A5464_002	Sediment	1	29-Apr-13	12:30	5.7	1	799649027708
JW-SS-218-130429 - HOLD	A5464_003	Sediment	1	29-Apr-13	12:17	5.7	1	799649027708
JW-SS-219-130429 - HOLD	A5464_004	Sediment	1	29-Apr-13	12:27	5.7	1	799649027708
JW-EA07-SC27-A-130429	A5464_005	Sediment	2	29-Apr-13	16:52	5.7	1	799649027708
JW-EA07-SC27-B-130429	A5464_006	Sediment	2	29-Apr-13	17:00	5.7	1	799649027708
JW-EA07-SC27-C-130429	A5464_007	Sediment	2	29-Apr-13	17:10	5.7	1	799649027708

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 U1013 17+ Homologs, WHO JF's
 Samples received intact
 Lid Cracked on sample JW-SS-216-130429
 (OPR) kept on dry - wien fkt

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: *[Signature]*



A5464

Anchor QEA 11 of 294
 720 Olive Way, Suite 1900
 Seattle, Washington 98101
 Phone 206.287.9130
 Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:	
Lab: SGS Analytical Perspectives		Door site			Archive	Dioxin/Furans							
Address: 5500 Business Drive		Proj. No.: 120909-01.01											
City: Wilmington, NC 28405		Sampler: DG, DP											
Phone: 910-350-1903		Shipping Method:											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers									
FW-SS-216-130429	4/29/2013	1220	Sed	1								X	
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X							
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X							
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X							
JW-EA07-SC27-A-130429		1652		3	X	X							
JW-EA07-SC27-B-130429		1700		3	X	X							
JW-EA07-SC27-C-130429		1710		3	X	X							

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	lid broke - A5464 [Signature] Tapos	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: [Signature]		
Printed Name:	Printed Name:	Printed Name: A Boehm	# of Coolers:	Cooler 5.7
Company:	Company:	Company: SGS	Temp(s):	0C
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010	COC Seals Intact?	Bottles Intact?

m antaly seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5464

- | | | |
|-----|---|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.4</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid Cracked on sample JW-SS-216-130429

Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

SGS

Project Initiation Form

Project Number: A5464Initiation Date: 01-May-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1613 PCDD/FTAT: 21 daysProject Manager: Amy

Special Instructions

1613 w/ OPR
17 + homologs, WHO TEFs
report in dry-wt basis

Reporting Instructions

1613 w/ OPR
17 + homologs, WHO TEFs
report in dry-wt basis

PM Initials: dmccall Date: 01-May-2013



ANALYTICAL PROCEDURES

1613 PCDD/F

Solids

Project # A5464 Batch # 10910 Extract Init/Date: MMI 5-7-13 ASICS Init/Date: MK 5/9/13 Transfer Init/Date: TL 5/10/13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td)	ASICS #	Observations
				Initials	#			
A5464_10910_005	JW-EA07-SC27-A-130429	17.99	21	AK	3	MK	3	Thick Black Mud
A5464_10910_006	JW-EA07-SC27-B-130429	14.69	22	AK	1	MK	4	slimy Black Soil
A5464_10910_007	JW-EA07-SC27-C-130429	14.20	23	AK	2	MK	5	see 002
MB1_10910	Method Blank A5464	10.00	19	AK	1	MK	1	Hydromatrix X 03282013
OPR1_10910	0_10910_OPR001	10.00	20	AK	2	MK	2	Hydromatrix X 03282013
				5/8/13		5/9/13	5/9/13	

Special Instructions	Cycle Time	Supply IDs
1613 w/ OPR 17 + homologs, WHO TEFs report in dry-wt basis	Start <u>3:30pm</u> Stop <u>9:15am</u>	Toluene <u>DH820</u> Acid Silica <u>05082013</u> CH ₂ Cl ₂ <u>D4948</u> Base Silica <u>04262013</u> Sand <u> </u> HydroMatrix <u>03282013</u> Florisol <u>SEE 04 05082013</u> Tetradecane <u>04112013</u> Start <u> </u> Hexane <u>DI148</u> Na ₂ SO ₄ <u>4-807</u> <u>04232013</u> Stop <u> </u> Silica <u>05072013</u> Ag ₂ H ₂ Si ₂ O ₇ <u> </u> <u>05082013</u>



1613 PCDD/F

Solid

Project #: A5464 Batch #: 10910

Inter-Department Communication Sheet

Large area with horizontal lines, crossed out by a diagonal line from the bottom-left to the top-right.

ee AD 15 MAY 13

Special Instructions

1613 w/ OPR
17+ homologs, WHO TEFs
report in dry-wt basis

% Solids



Project: A 5464

Batch #: _____

Procedure:

- Tare Balance.
- Add boat and weigh. Record "Boat Wt."
- Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).
- Dry in oven overnight @ 107° C.
- Tare Balance.
- Return dish to toplayer and record "Residue + Boat Wt."

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	10 g eq	Comments
A5464005	1.33g	4.76g	aw	3.29	NA	17.50	
006	1.35g	4.74g	aw	3.67	NA	14.61	
007	1.32g	4.81g	aw	3.81	NA	14.02	
			5/2/13		5/6/13		



**Wt. Volume Results for Extraction Batch
10910**

Batch Project #'s: A5464

Comments: _____

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5464_005	1.33	4.76	3.29	57.14%	57.14%			17.5	17.99	10.28
A5464_006	1.35	4.74	3.67	68.44%	68.44%			14.61	14.69	10.05
A5464_007	1.32	4.81	3.81	71.35%	71.35%			14.02	14.2	10.13



1613 PCDD/F

Solids

Project # A5464 Batch # 10910

SPIKE PROFILE PCDD/Fs

Analyte	Spike Compounds	Spike Amount	Spike Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	AS/CS	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	Ax-BCS3	0.2 ng	200 ul	4 pg/ul	1	20 ul	Td
	JS	2 ng	200 ul	10 pg/ul	1	20 ul	Td
	Td Batch-CS3		20 ul			20 ul	Td

Spiker Initials/Date: MA 5/7/13 MA 5/7/13 MA 5/7/13 MA 5/8/13 MA 5/8/13 MA 5/10/13

AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200ul Observer Initials	Amount: 200ul Observer Initials	Amount: 20ul Observer Initials	Amount: 200ul Observer Initials	Amount: 200ul Observer Initials	Amount: 200ul Observer Initials
A5464_10910_005	JW-EA07-SC27-A-130429	mdl	-	-	MK	MK	M
A5464_10910_006	JW-EA07-SC27-B-130429	mdl	-	-	MK	MK	M
A5464_10910_007	JW-EA07-SC27-C-130429	mdl	-	-	MK	MK	M
MB1_10910	Method Blank A5464	mdl	-	-	MK	MK	M
OPRI_10910	0_10910_OPR001	mdl	mdl	mdl	MK	MK	M
		5-7-13	5-7-13	5-7-13	5/8/13	5/8/13	5/10/13

Standard Information

Std. Type	ES	Ax-A	Ax-B	CS	AS	JS
Spike ID	11012012 B	11012012 B	03312016 B	11012012 Cd1	11012012 Ad1	11012012 Ad1
SIL #	13-8-1	13-8-2	12-77-1	13-14-2	12-97-3	12-97-1
Concentration	10	1	10	4	10	10
Units	pg/ul	pg/ul	pg/ul	pg/ul	pg/ul	pg/ul
Exp. Date	2-1-14	2-1-14	9-4-13	3/29/14	11/26/13	11/26/13
Spike amount (ul)	200	200	20	200	200	200

RECEIVED TRANSFER: M 5/10/13



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 01-May-13 at 10:10
AP Project name: A5464
Requested TAT: 21 days
Projected due date: 22-May-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #:
Requested Analysis: method 1613
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-216-130429 - HOLD	A5464_001	Sediment	1	29-Apr-13	12:20	5.7	1	799649027708
JW-SS-217-130429 - HOLD	A5464_002	Sediment	1	29-Apr-13	12:30	5.7	1	799649027708
JW-SS-218-130429 - HOLD	A5464_003	Sediment	1	29-Apr-13	12:17	5.7	1	799649027708
JW-SS-219-130429 - HOLD	A5464_004	Sediment	1	29-Apr-13	12:27	5.7	1	799649027708
JW-EA07-SC27-A-130429	A5464_005	Sediment	2	29-Apr-13	16:52	5.7	1	799649027708
JW-EA07-SC27-B-130429	A5464_006	Sediment	2	29-Apr-13	17:00	5.7	1	799649027708
JW-EA07-SC27-C-130429	A5464_007	Sediment	2	29-Apr-13	17:10	5.7	1	799649027708

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact
 Lid Cracked on sample JW-SS-216-130429

M1613 17+Homologs, WHO TEF's **OPR**
 Report in dry weight

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Hager

Logged in by: Barbara Hager

QC'ed by: AB



A5404

Anchor QEA 20 of 294
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord Door site				Analyses Requested										Notes/ Comments:				
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01																		
Address: 5500 Business Drive		Sampler: DG, DP																		
City: Wilmington, NC 28405		Shipping Method:																		
Phone: 910-350-1903		AirBill #:																		
Fax:																				
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin/Furans														
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X														
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X														
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X														
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X														
JW-EA07-SC27-A-130429		1652		3	X	X														
JW-EA07-SC27-B-130429		1700		3	X	X														
JW-EA07-SC27-C-130429		1710		3	X	X														

Archive only
↓

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	lid broken 4/29/2013 Tapes	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name: A Boehm	# of Coolers:	Cooler 5.7
Company:	Company:	Company: SGS	Temp(s):	0C
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010	COC Seals Intact?	Bottles Intact?

no antistatic seals

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5464

- | | | |
|-----|---|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____
_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.4</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid Cracked on sample JW-SS-216-130429

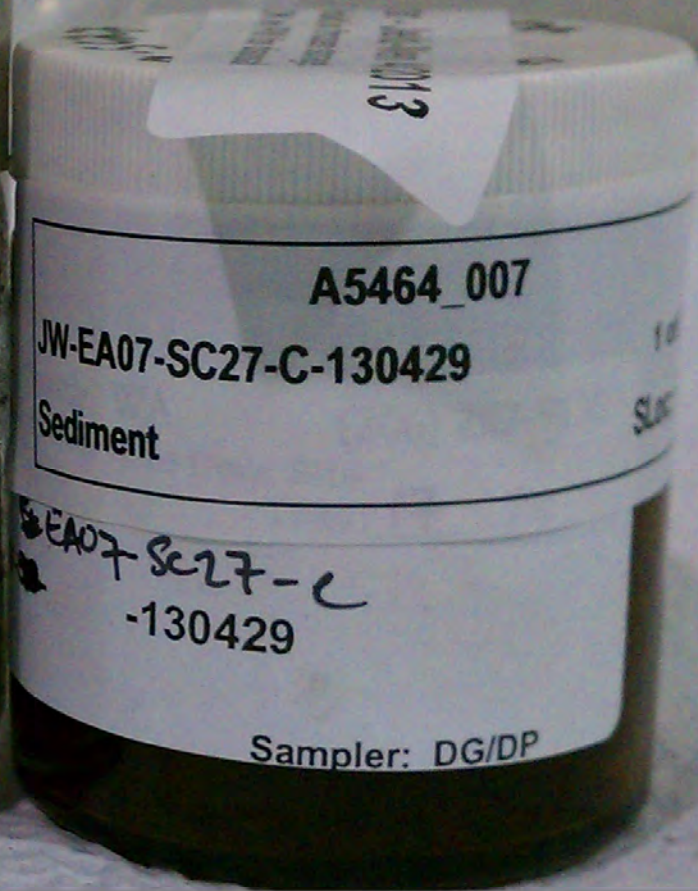
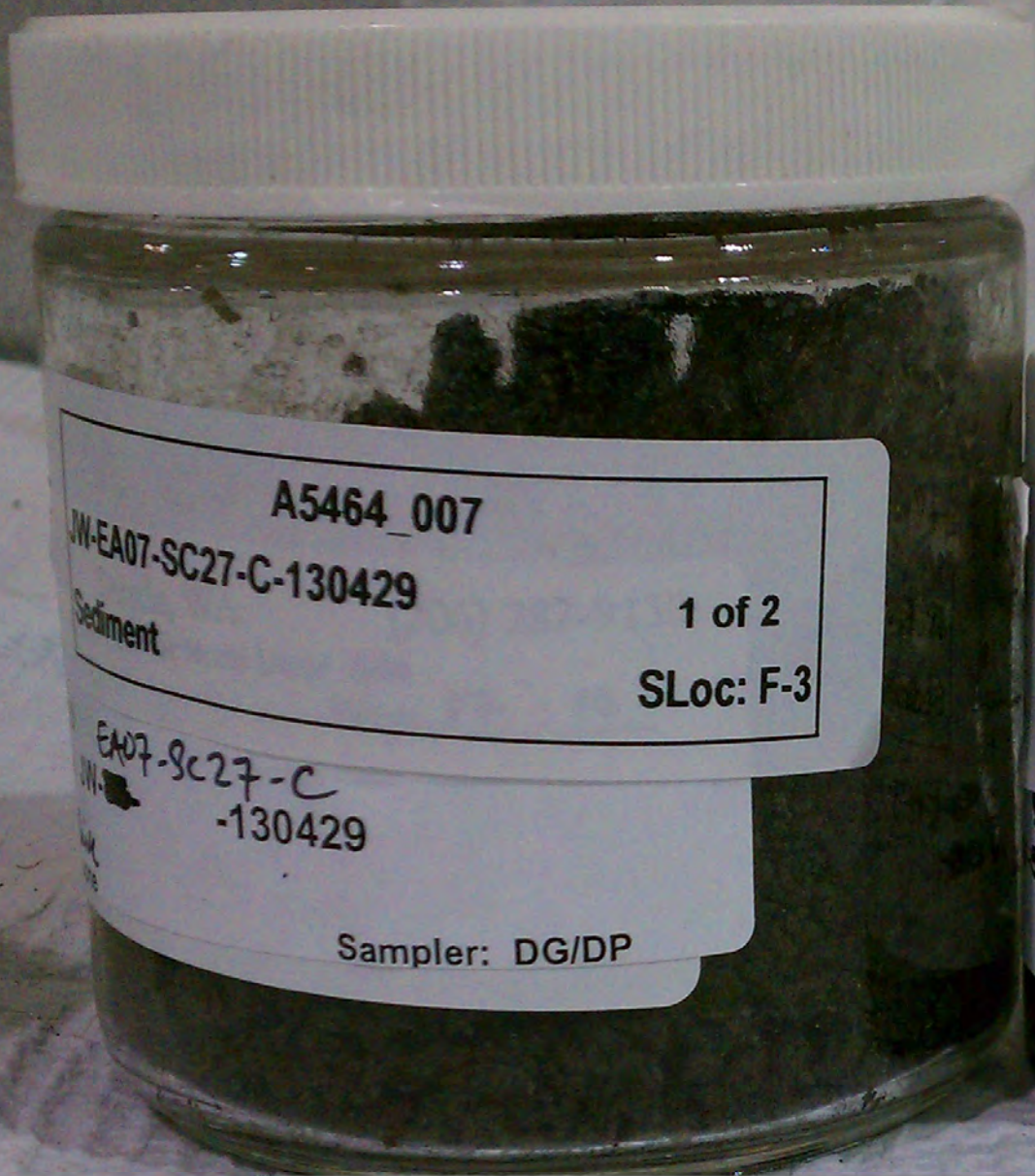
Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

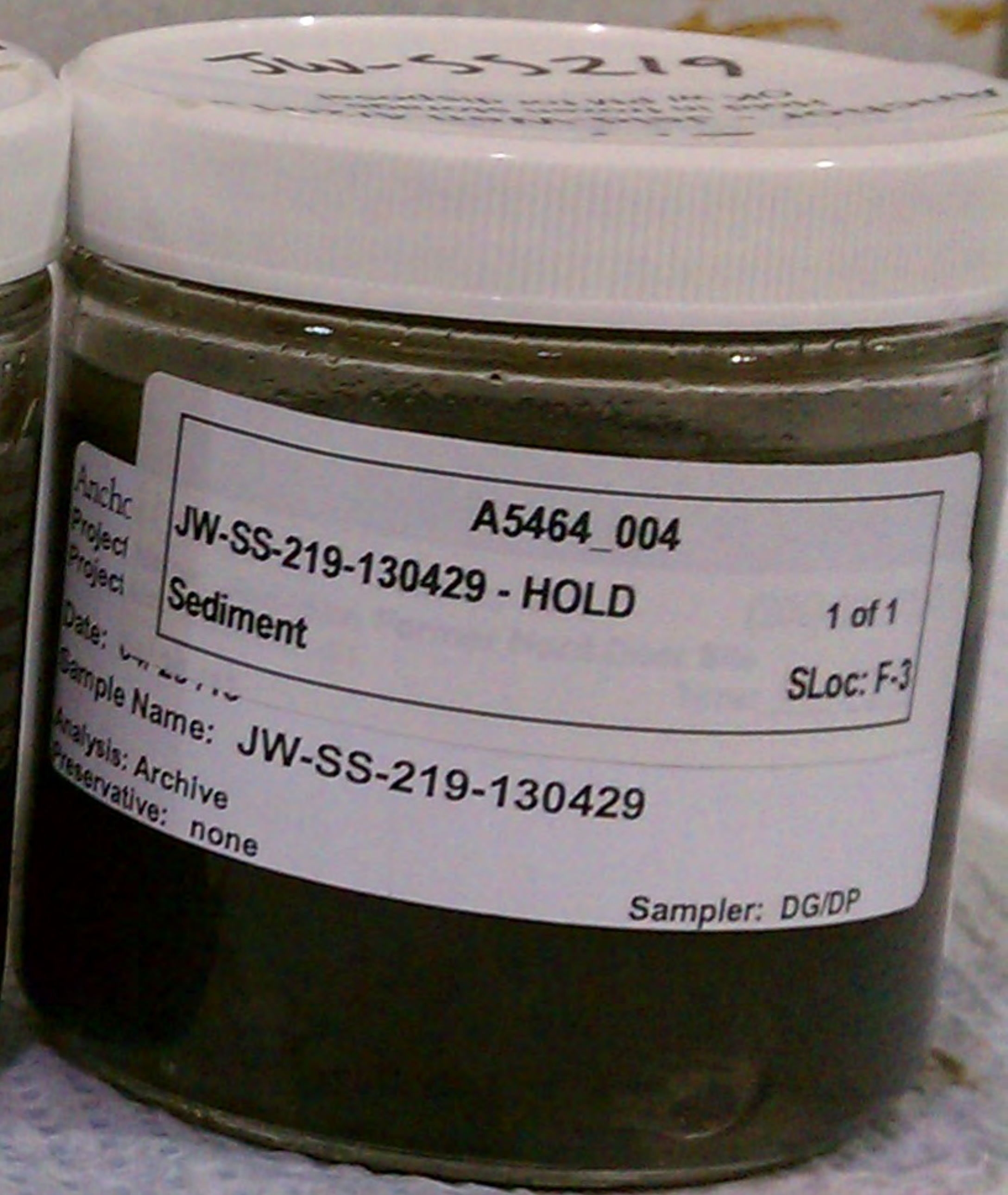
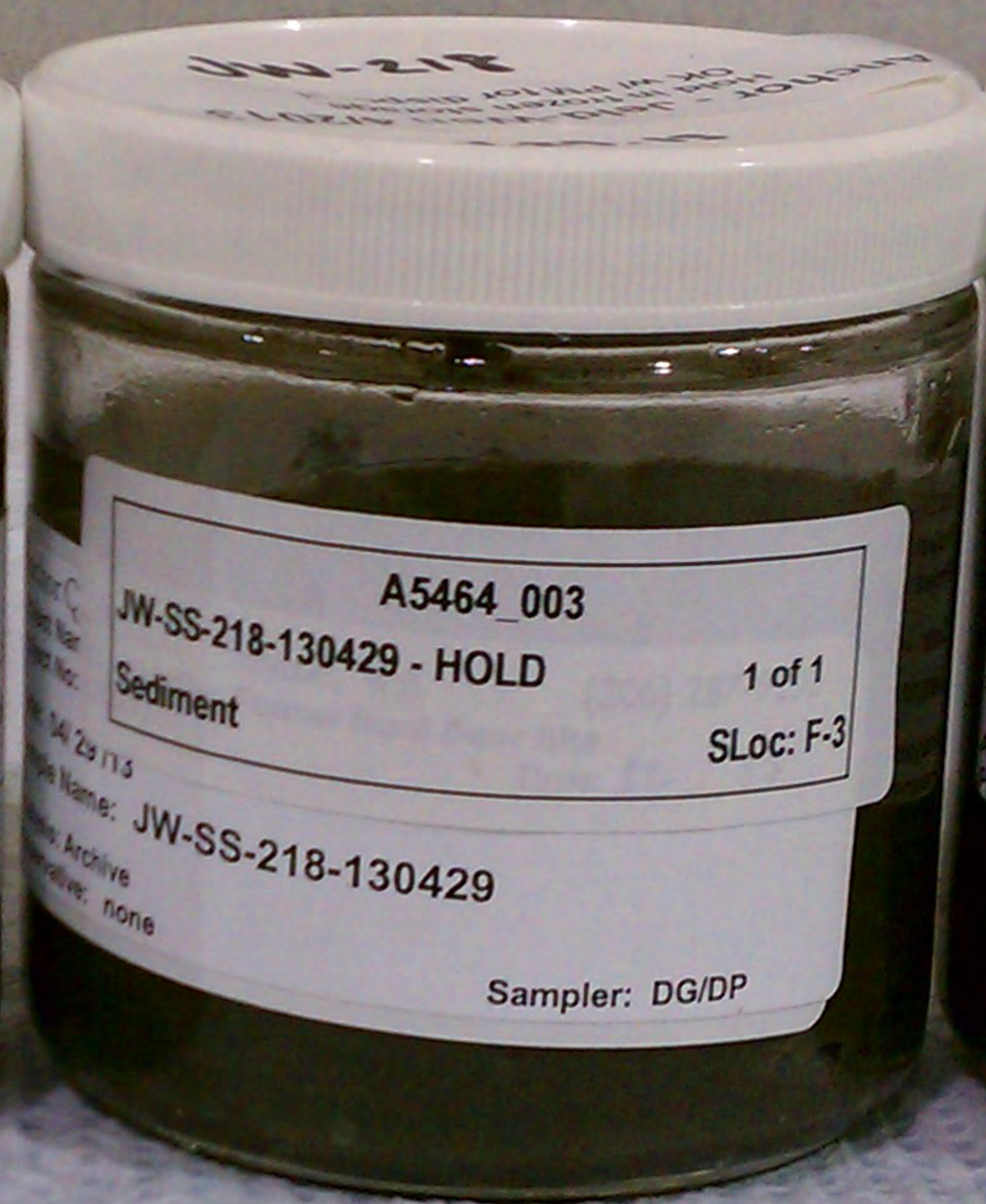
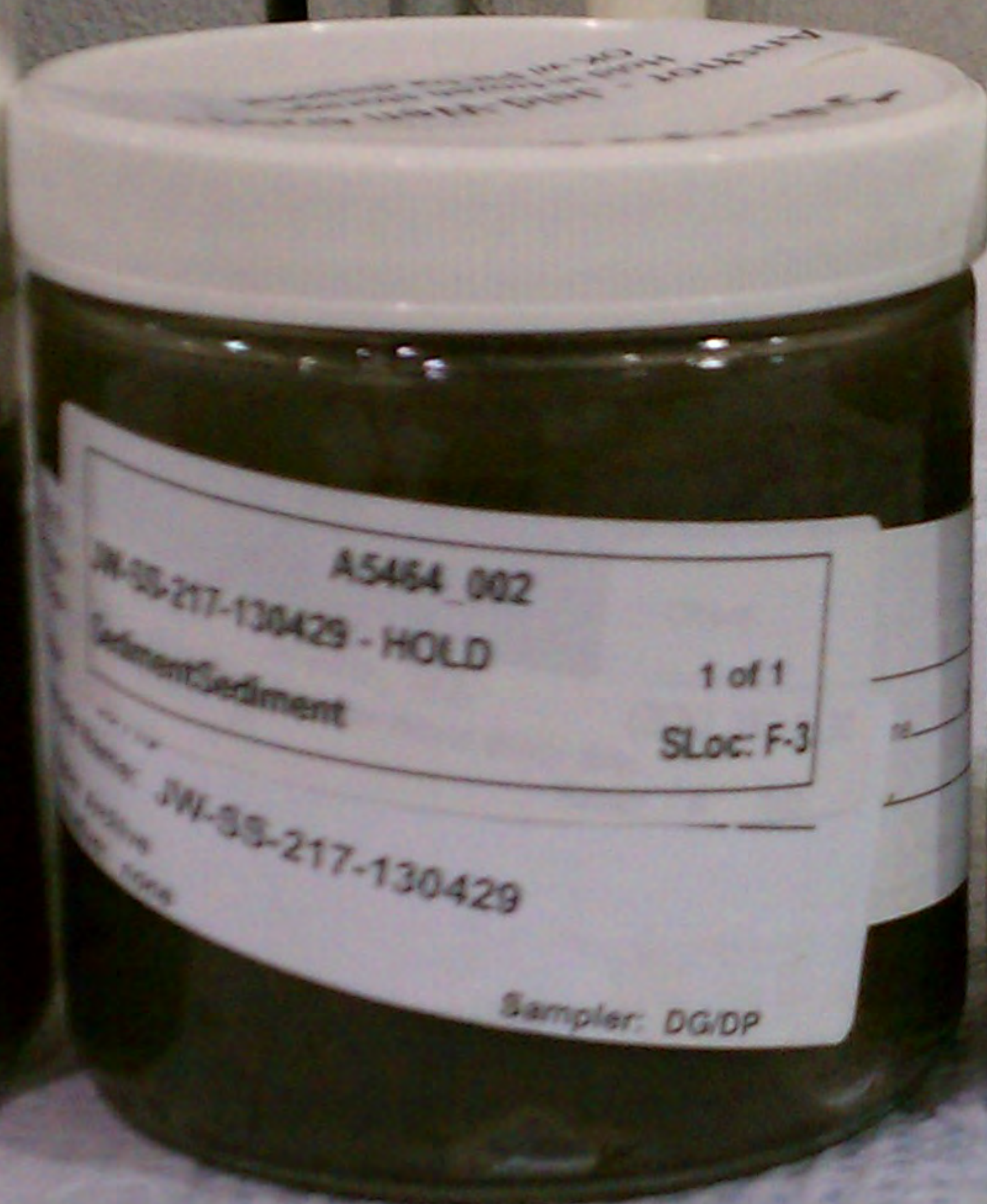
JW-EA07-SC27-A-130429
 A5464_005
 Sediment
 1 of 2
 SLoc: F-3
 EA07-SC27-A-130429
 Sampler: DG/DP

Anchor
 Jeld-Wen
 Former Nord Door Site
 (206) 287-9130
 Time: 16:52
 A5464_005
 1 of 2
 SLoc: F-3

JW-EA07-SC27-B-130429
 A5464_006
 Sediment
 1 of 2
 SLoc: F-3
 Jeld-Wen
 Former Nord Door Site
 (206) 287-9130
 Time: 17:00
 EA07-SC27-B-130429

JW-EA07-SC27-B-130429
 A5464_006
 Former Nord Door Site
 (206) 287-9130
 Time: 17:00





SGS Analytical Perspectives — Run Log

Project: A5464_10910_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130511P3-01	7	CS3_130511_DF_PA	1.00	11012012A	MDC	271-324	12-MAY-2013	03:43:40
2	130511P3-02	62	OPR1_10910_DF	1.00	0_10910_OPR001	MDC	043-864	12-MAY-2013	04:36:23
3	130511P3-03	15	SBS_130511_DF_PD	1.00	solvent blank	MDC	592-459	12-MAY-2013	05:28:19
4	130511P3-04	61	MB1_10910_DF_SDS	10.00	Method Blank A5464	MDC	727-205	12-MAY-2013	06:20:52
5	130511P3-05	63	A5464_10910_DF_005	10.28	JW-EA07-SC27-A-130429	MDC	614-713	12-MAY-2013	07:13:30
6	130511P3-06	64	A5464_10910_DF_006	10.05	JW-EA07-SC27-B-130429	MDC	764-086	12-MAY-2013	08:06:02
7	130511P3-07	65	A5464_10910_DF_007	10.13	JW-EA07-SC27-C-130429	MDC	212-517	12-MAY-2013	08:58:04
8	130511P3-08	15	SBS_130511_DF_PE	1.00	solvent blank	MDC	044-672	12-MAY-2013	09:50:04
9	130511P3-09	7	CS3_130511_DF_PB	1.00	11012012A	MDC	828-494	12-MAY-2013	10:42:31

REVIEWED*By Michael D H Chu at 2:02 pm, May 14, 2013***APPROVED***By Amy Boehm at 2:42 pm, May 16, 2013*

Lab ID: MB1_10910_DF_SDS

Acq'd: 12 May 2013 06:20 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5464

UTP: 14-May-2013 13:27 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 727-205-HGV

Datafile: 130511P3-04

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0010	-		-	-	-	1.06	-	936	0.129
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	916	0.136
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	950	0.144
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	950	0.147
123789-HxCDD	NotFnd		1.0127	-		-	-	-	0.98	-	950	0.146
1234678-HpCDD	NotFnd		1.0004	-		-	-	-	1.02	-	918	0.157
OCDD	NotFnd		1.0004	-		-	-	-	1.08	-	934	0.272
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.97	-	1017	0.106
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	1042	0.111
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	1042	0.0988
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	953	0.106
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	953	0.0958
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	953	0.108
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	953	0.136
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	985	0.136
1234789-HpCDF	NotFnd		1.0004	-		-	-	-	1.30	-	985	0.151
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	1053	0.28

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.36	1.0280	1.0283	+0.5	1.61E+07	0.82	Y	1.01	89.4
ES 12378-PeCDD	33.67	1.2634	1.2652	+2.9	1.32E+07	1.67	Y	0.90	82.6
ES 123478-HxCDD	38.31	0.9909	0.9908	-0.2	1.09E+07	1.26	Y	0.99	81.8
ES 123678-HxCDD	38.45	0.9944	0.9943	-0.2	1.11E+07	1.25	Y	1.02	80.6
ES 123789-HxCDD	38.79	1.0031	1.0031	0	1.22E+07	1.28	Y	1.12	81.5
ES 1234678-HpCDD	42.47	1.0981	1.0984	+0.7	9.43E+06	1.05	Y	0.90	77.6
ES OCDD	46.17	1.1942	1.1940	-0.5	1.34E+07	0.89	Y	0.74	67.2
ES 2378-TCDF	26.37	1.0616	1.0624	+1.2	2.45E+07	0.77	Y	1.05	87.3
ES 12378-PeCDF	31.94	1.2843	1.2867	+3.6	1.91E+07	1.56	Y	0.88	81.5
ES 23478-PeCDF	33.26	1.3372	1.3400	+4.2	1.97E+07	1.58	Y	0.91	81.2
ES 123478-HxCDF	37.14	0.9607	0.9605	-0.5	1.30E+07	0.53	Y	1.25	77.5
ES 123678-HxCDF	37.31	0.9650	0.9648	-0.5	1.52E+07	0.53	Y	1.40	80.7
ES 234678-HxCDF	38.10	0.9852	0.9852	0	1.43E+07	0.53	Y	1.29	82.2
ES 123789-HxCDF	39.21	1.0139	1.0140	+0.2	1.24E+07	0.52	Y	1.17	79
ES 1234678-HpCDF	41.19	1.0651	1.0653	+0.5	9.99E+06	0.45	Y	1.03	72.2
ES 1234789-HpCDF	43.08	1.1137	1.1141	+0.9	9.69E+06	0.44	Y	0.89	81.2
ES OCDF	46.42	1.2004	1.2004	0	1.76E+07	0.90	Y	1.00	65.5

Lab ID: MB1_10910_DF_SDS

Acq'd: 12 May 2013 06:20 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5464

UTP: 14-May-2013 13:27 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 727-205-HGV

Datafile: 130511P3-04

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

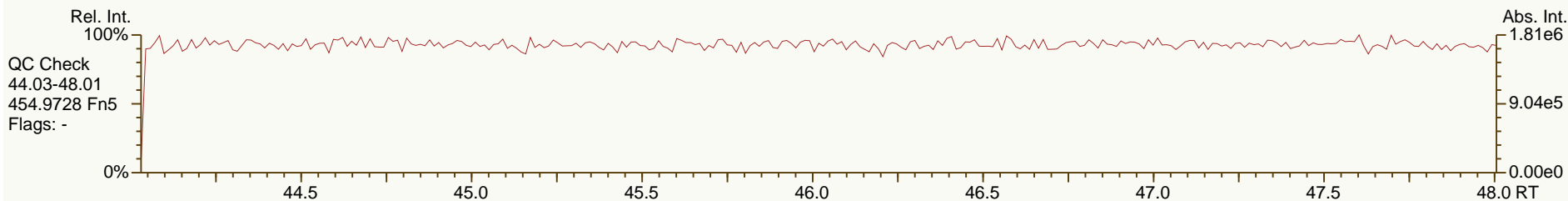
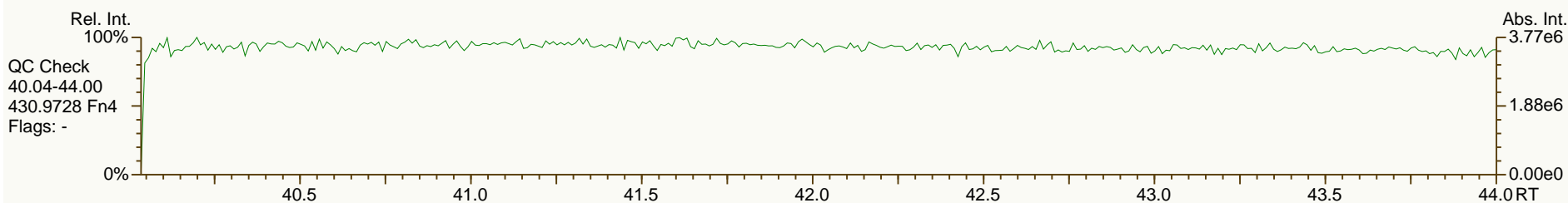
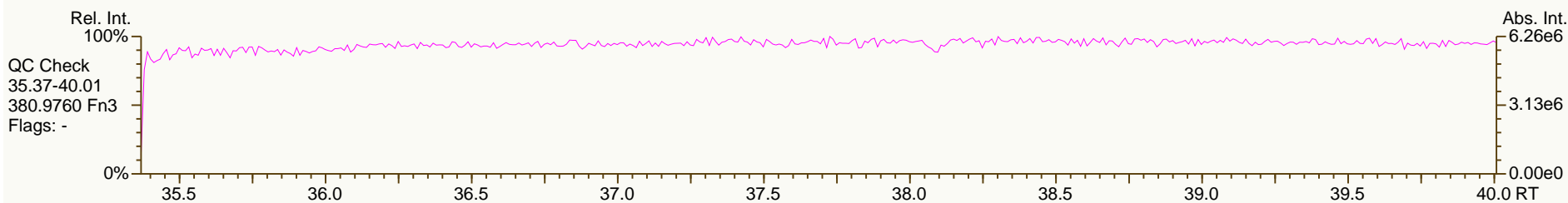
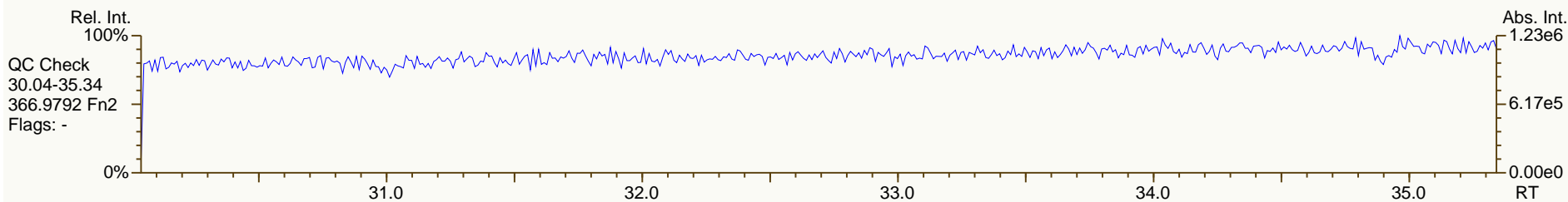
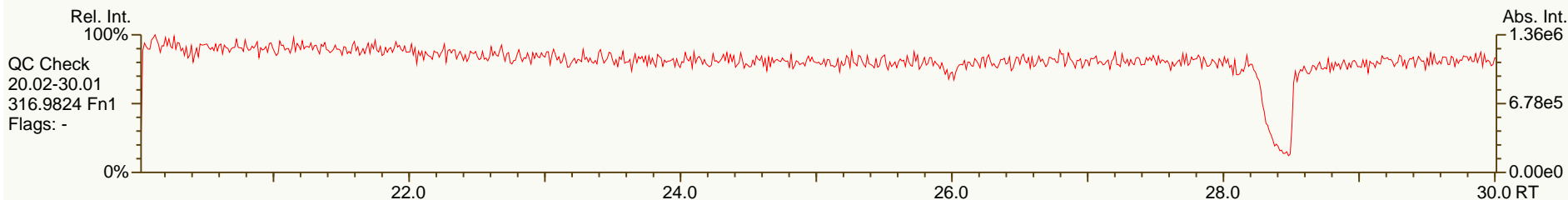
Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.61		-	-	-	1.78E+07	0.82	Y	-	-
JS 1234-TCDF	24.82		-	-	-	2.67E+07	0.78	Y	-	-
JS 123467-HxCDD	38.67		-	-	-	6.72E+06	1.25	Y	-	-
CS 37C1-2378-TCDD	27.39		1.0289	1.0293	+0.6	7.86E+06	n/a	-	1.10	100
CS 12347-PeCDD	33.08		1.2412	1.2429	+2.7	1.45E+07	1.59	Y	0.79	102
CS 12346-PeCDF	31.32		1.2593	1.2620	+4.0	2.19E+07	1.56	Y	0.87	94.7
CS 123469-HxCDF	37.68		0.9745	0.9743	-0.5	1.53E+07	0.53	Y	1.21	94
CS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.03E+07	0.46	Y	0.89	85.4
SS 37C1-2378-TCDD	27.39		1.0289	1.0293	+0.6	7.86E+06	n/a	-	1.09	112
SS 12347-PeCDD	33.08		1.2412	1.2429	+2.7	1.45E+07	1.59	Y	0.89	124
SS 12346-PeCDF	31.32		1.2593	1.2620	+4.0	2.19E+07	1.56	Y	0.99	116
SS 123469-HxCDF	37.68		0.9745	0.9743	-0.5	1.53E+07	0.53	Y	0.87	116
SS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.03E+07	0.46	Y	0.87	118
AS 1368-TCDD	23.22		0.8733	0.8725	-1.3	1.96E+07	0.80	Y	1.00	110
AS 1368-TCDF	21.06		0.8479	0.8486	+1.0	3.14E+07	0.78	Y	1.20	98.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC
Total TCDD	0	0
Total PeCDD	0	0
Total HxCDD	0	0
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0

SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

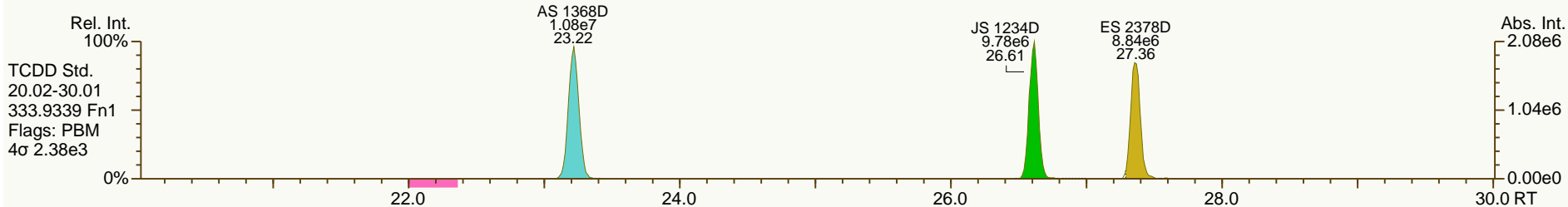
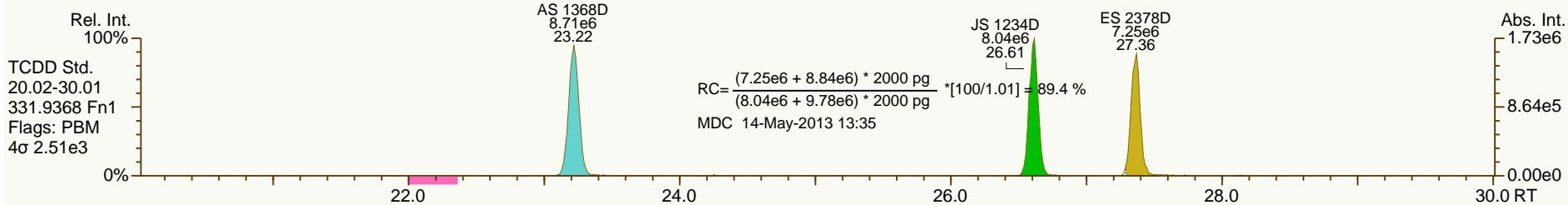
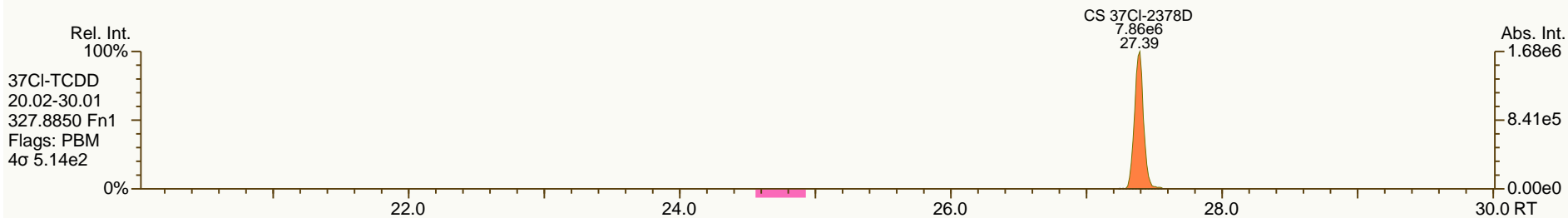
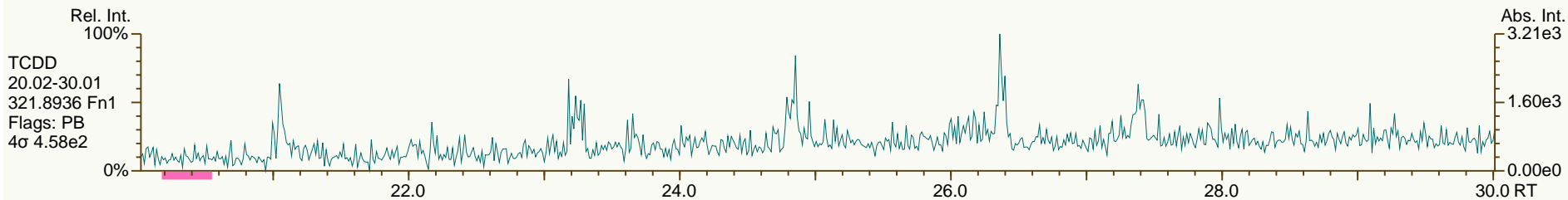
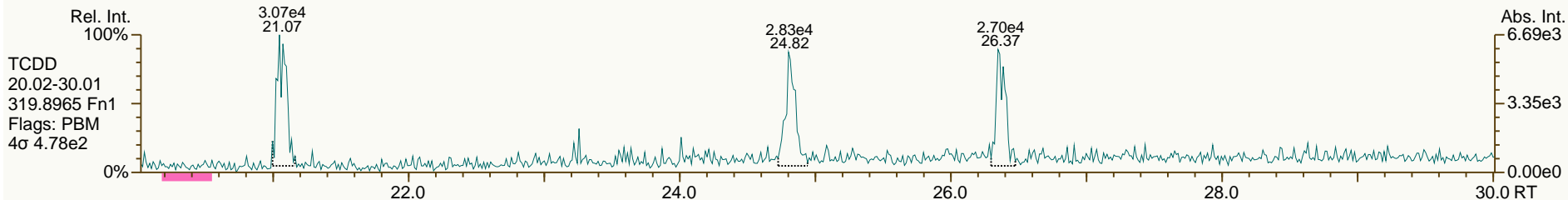
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SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

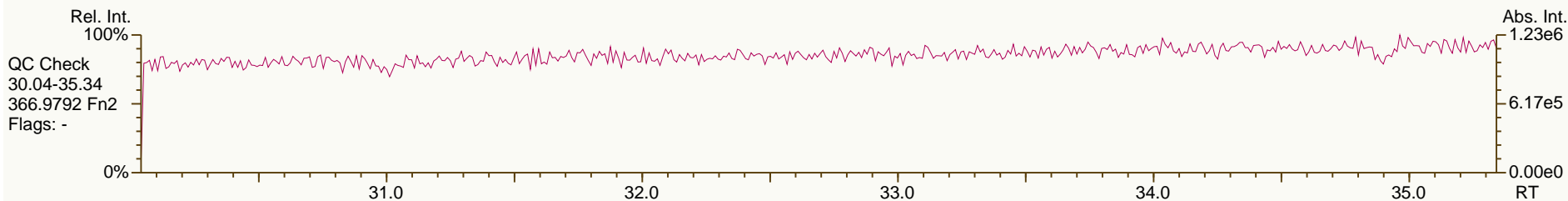
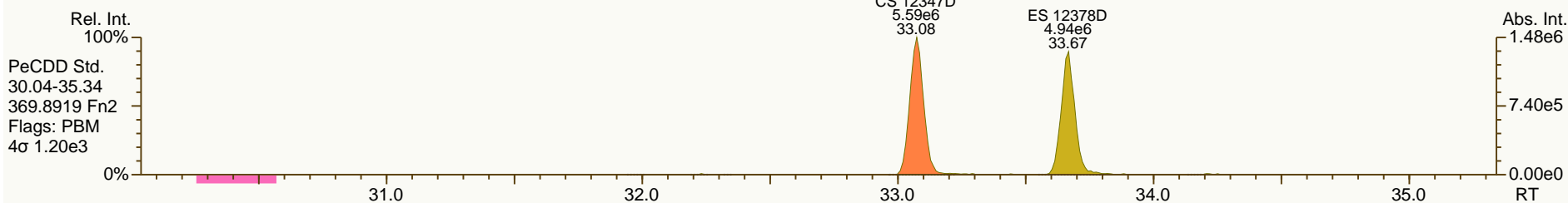
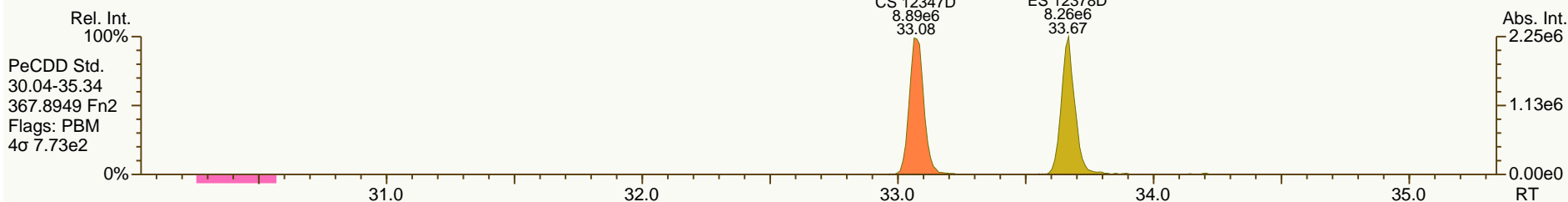
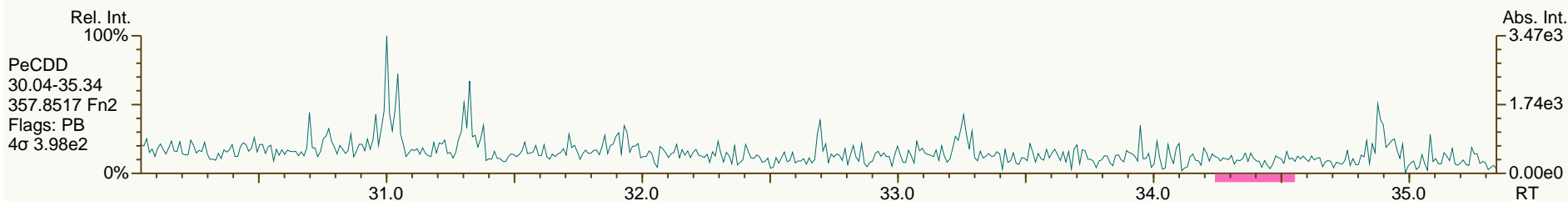
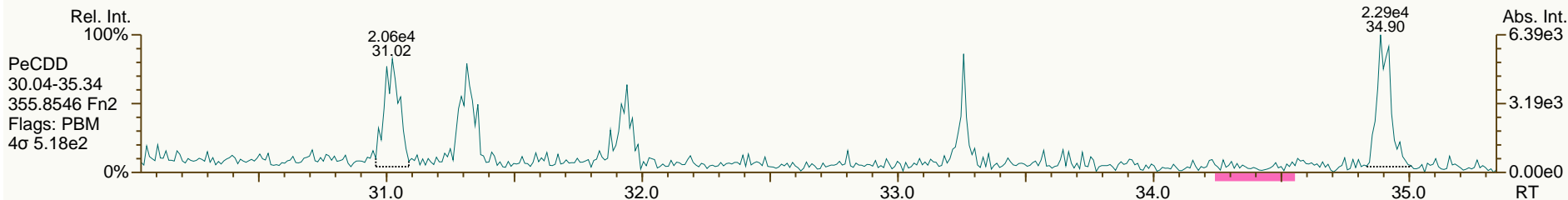
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

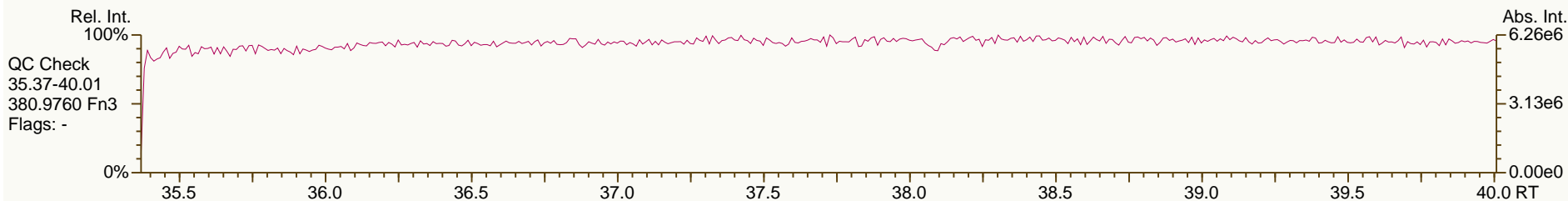
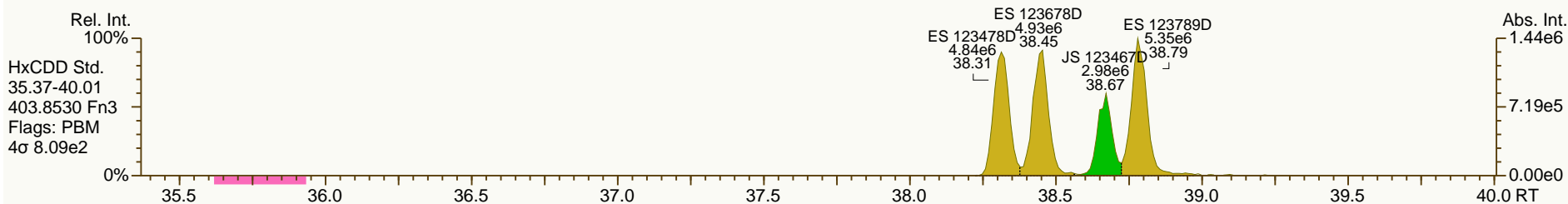
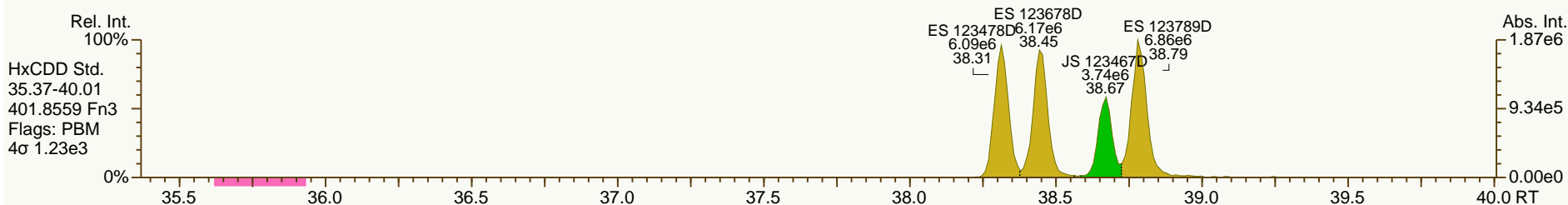
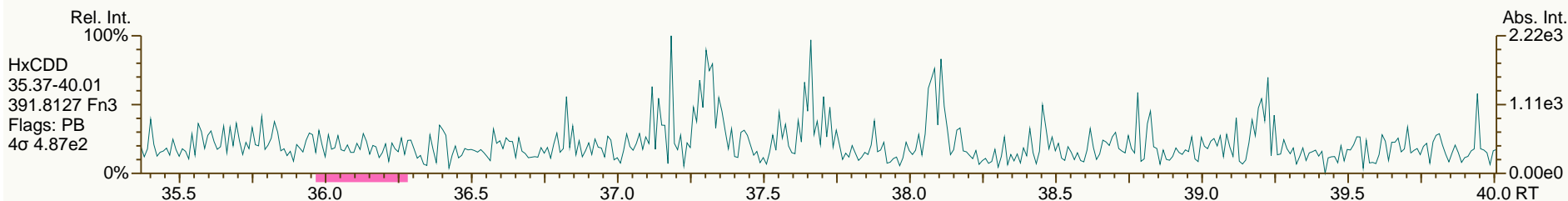
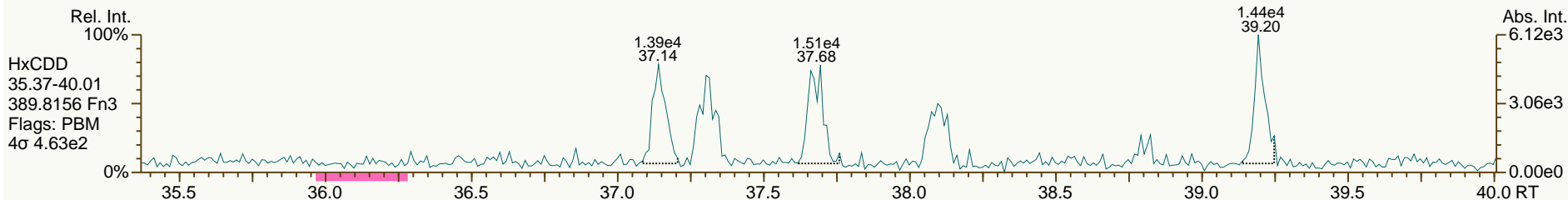
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User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

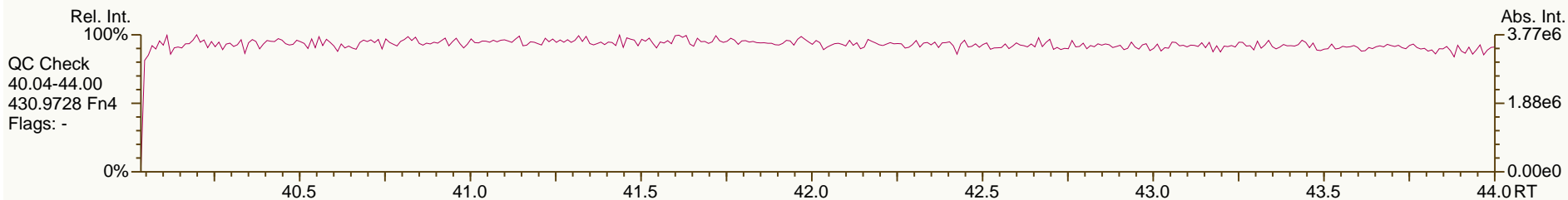
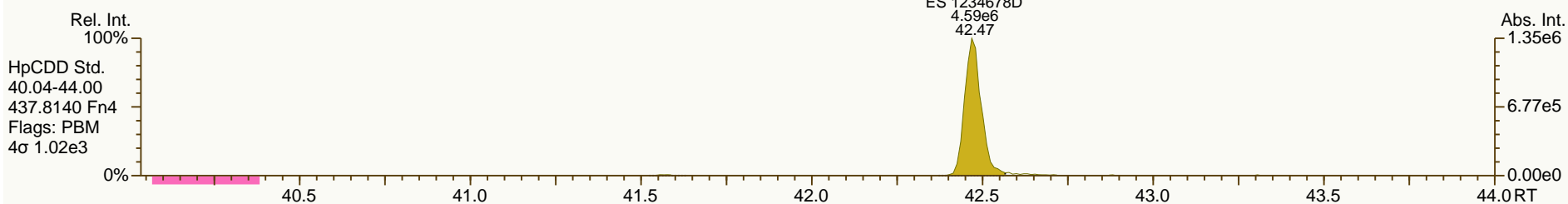
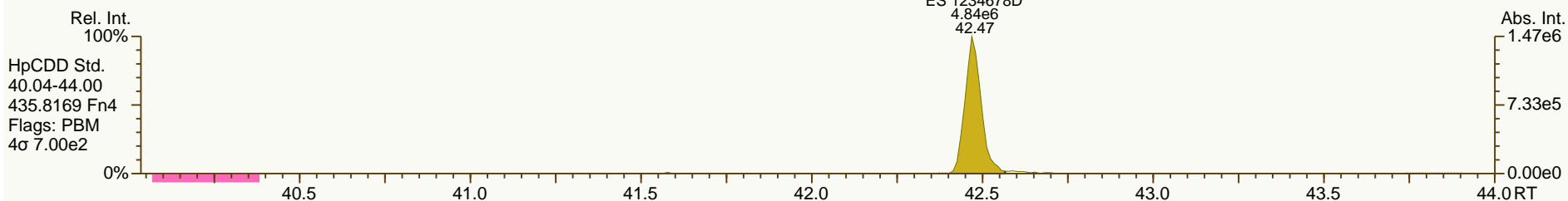
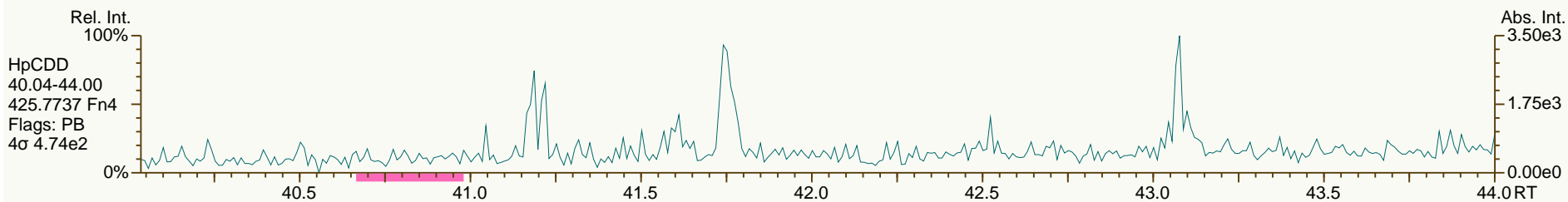
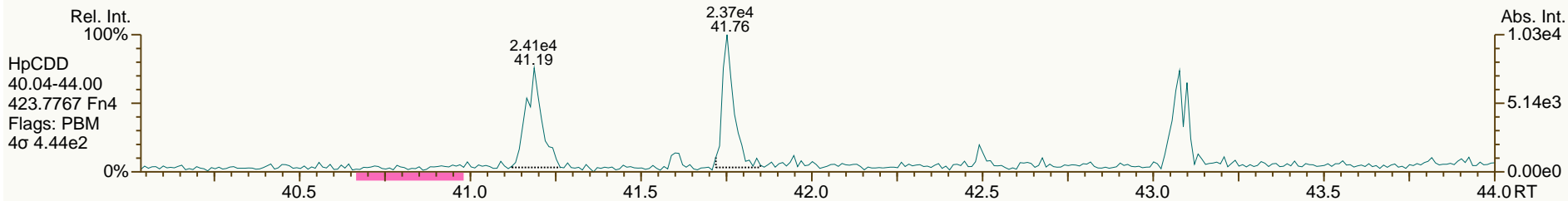
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User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

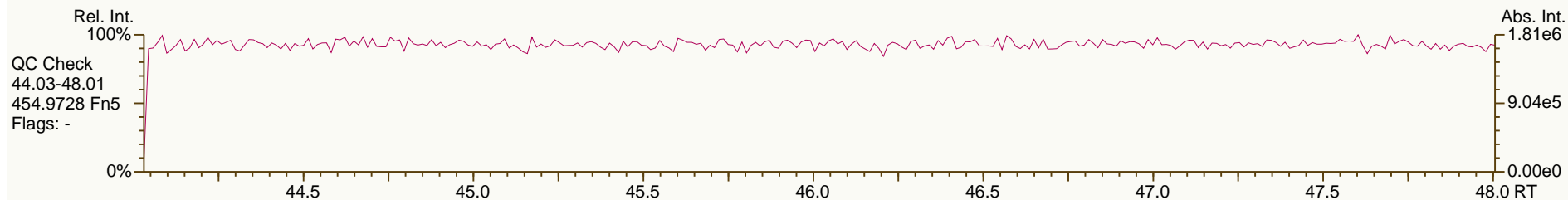
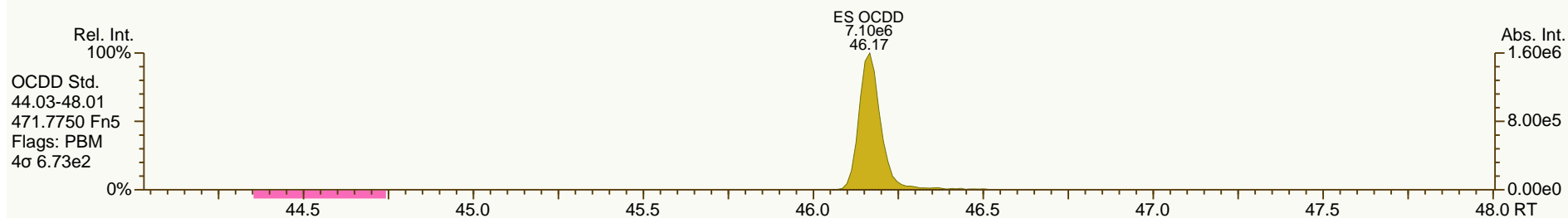
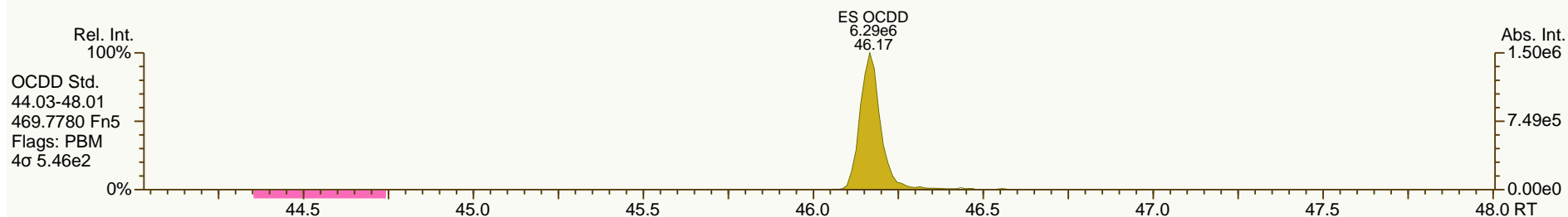
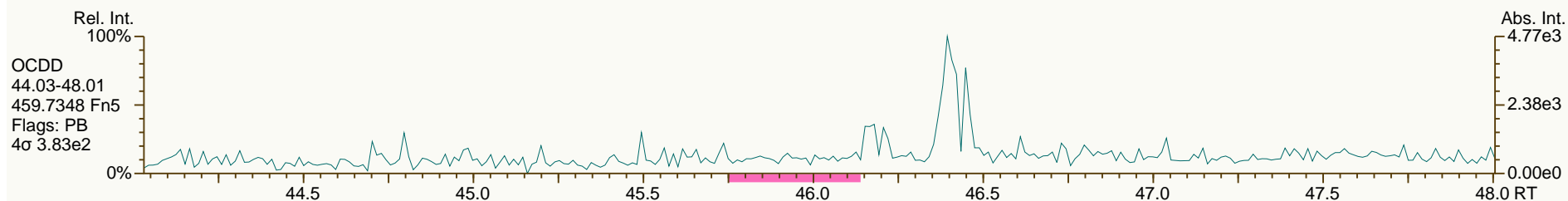
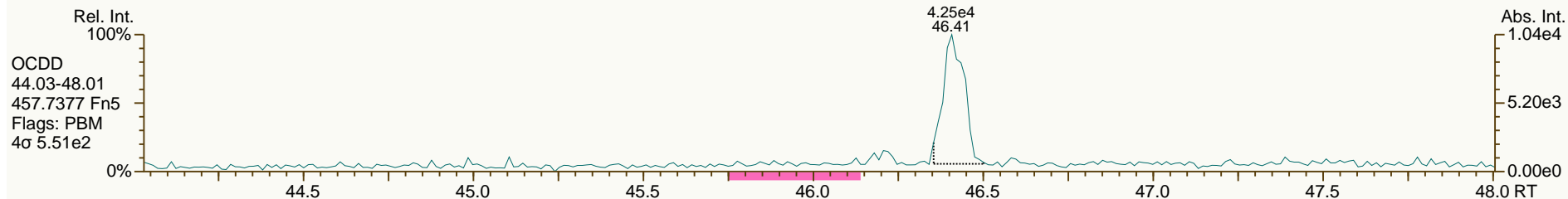
Acq: 12-MAY-2013 06:20:52
User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

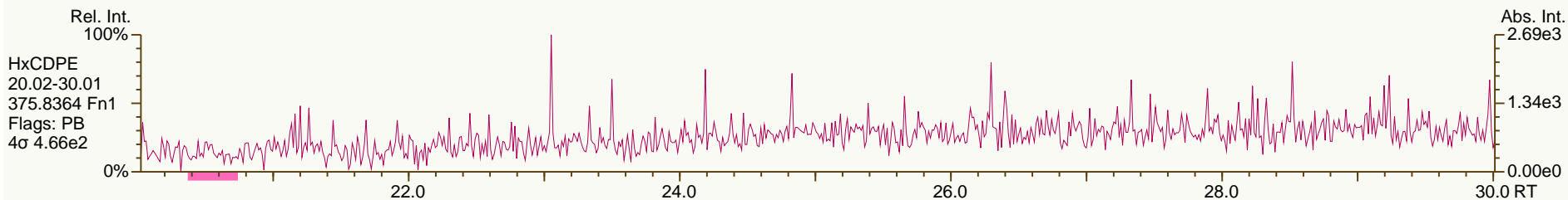
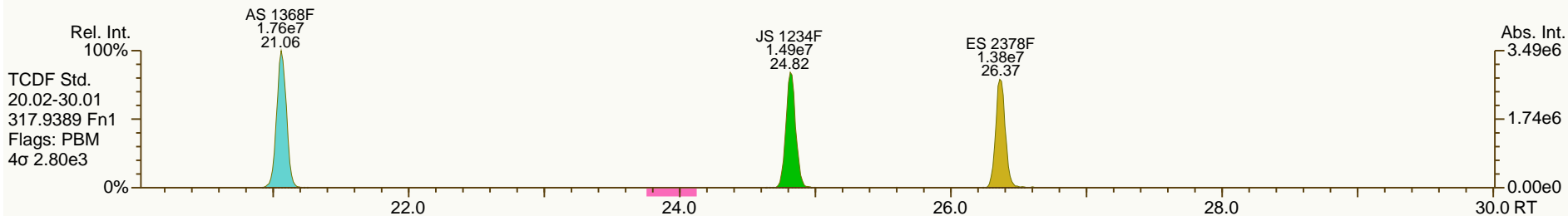
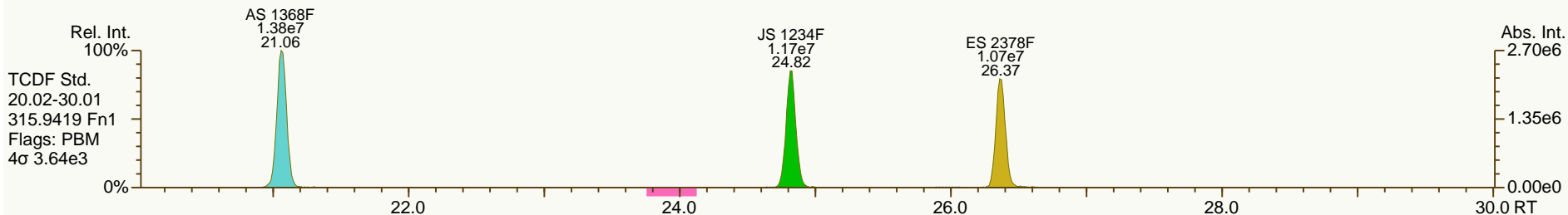
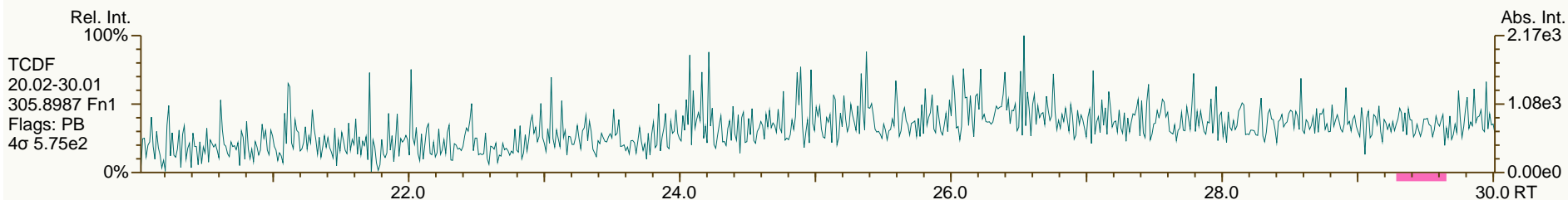
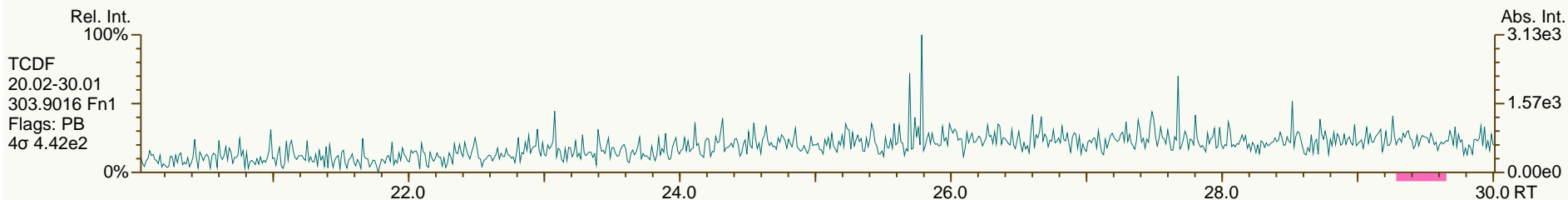
Acq: 12-MAY-2013 06:20:52
User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

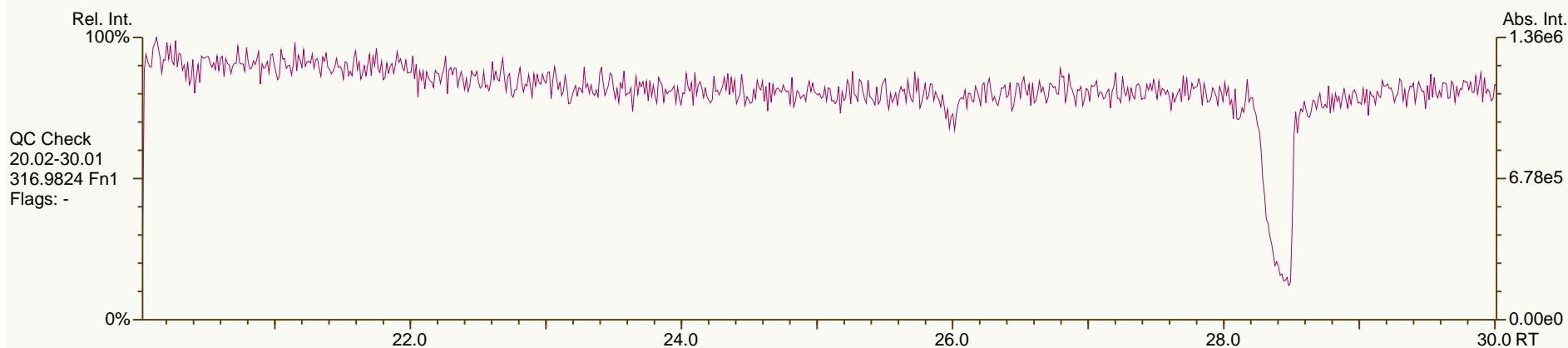
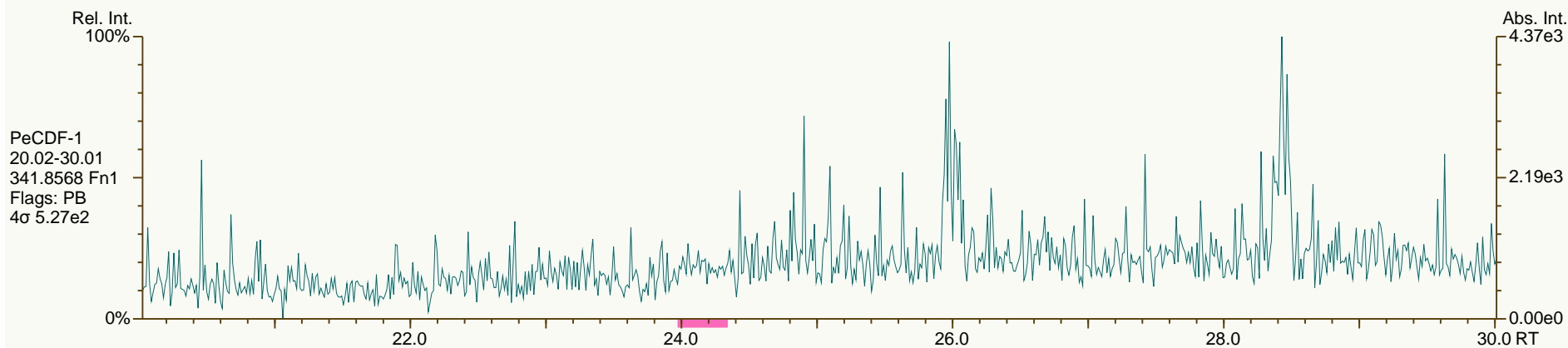
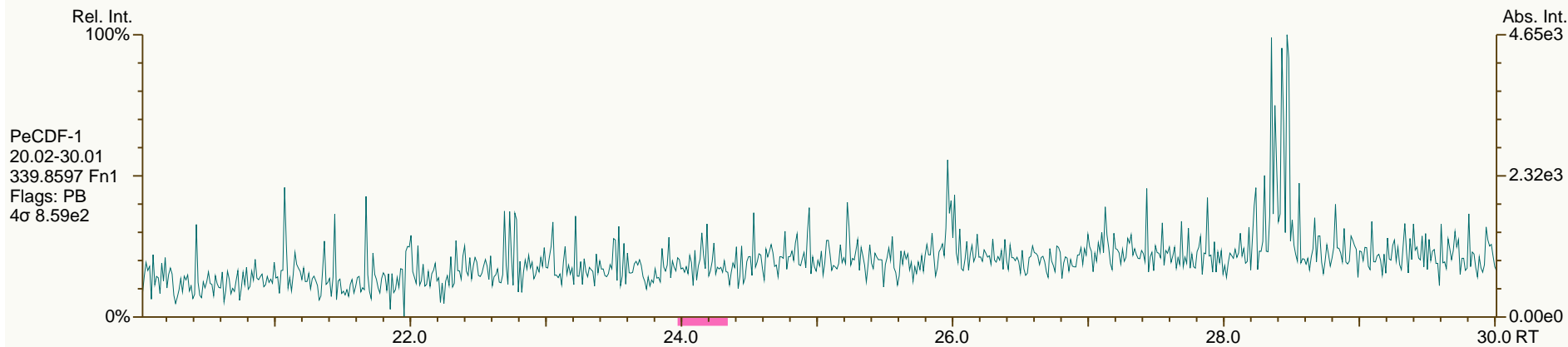
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

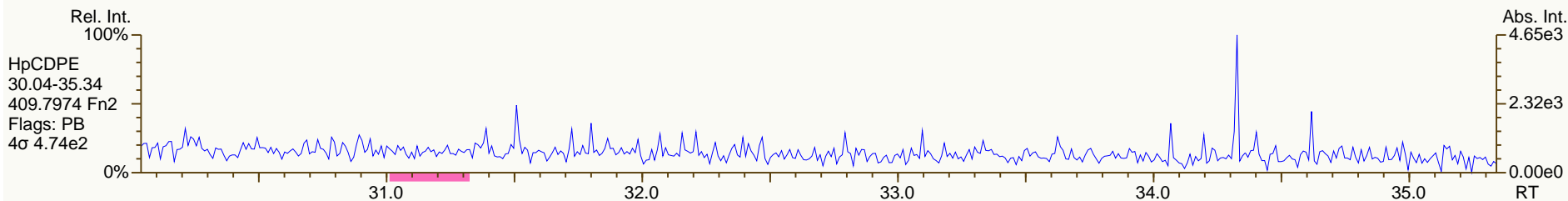
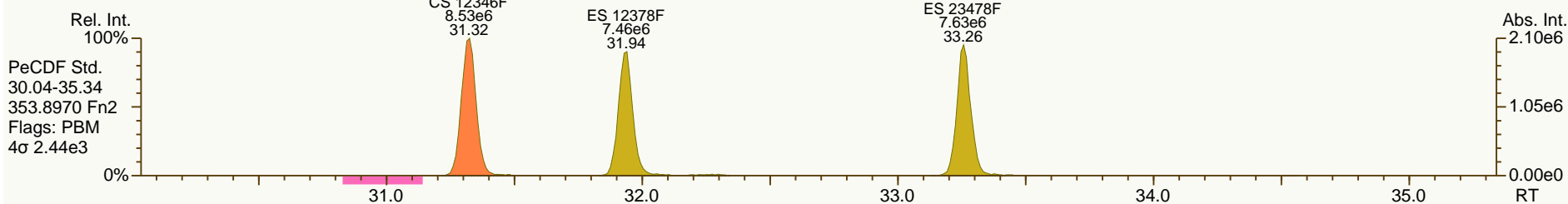
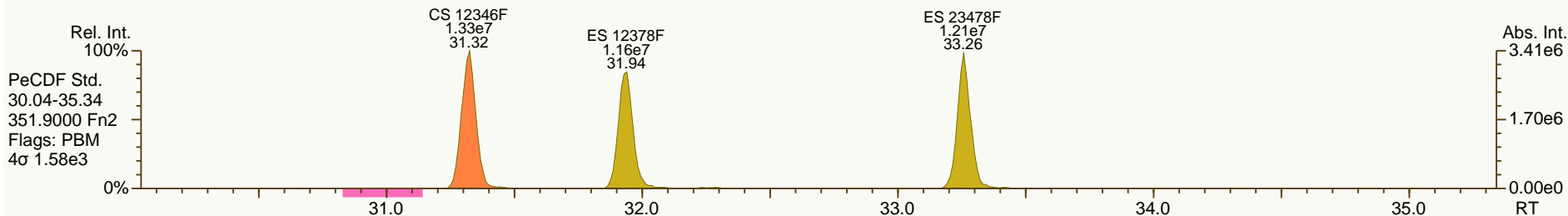
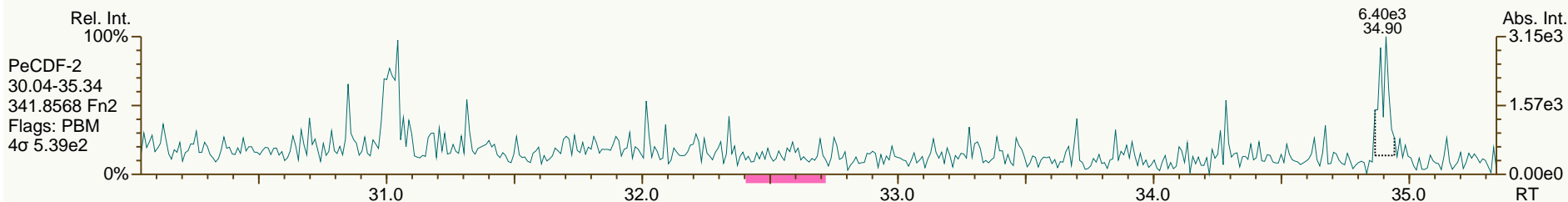
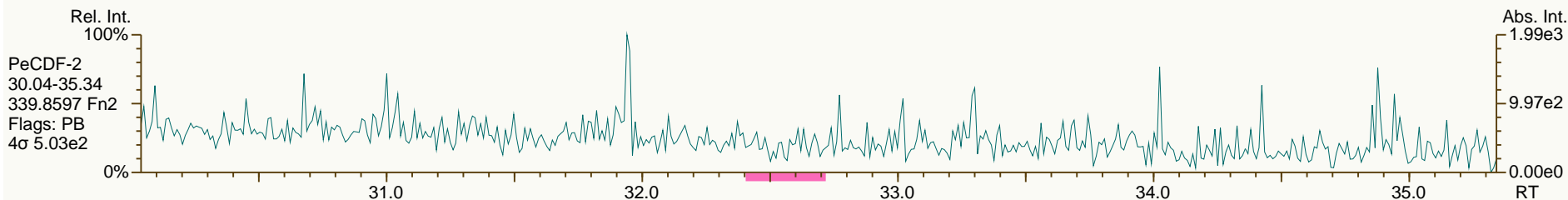
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

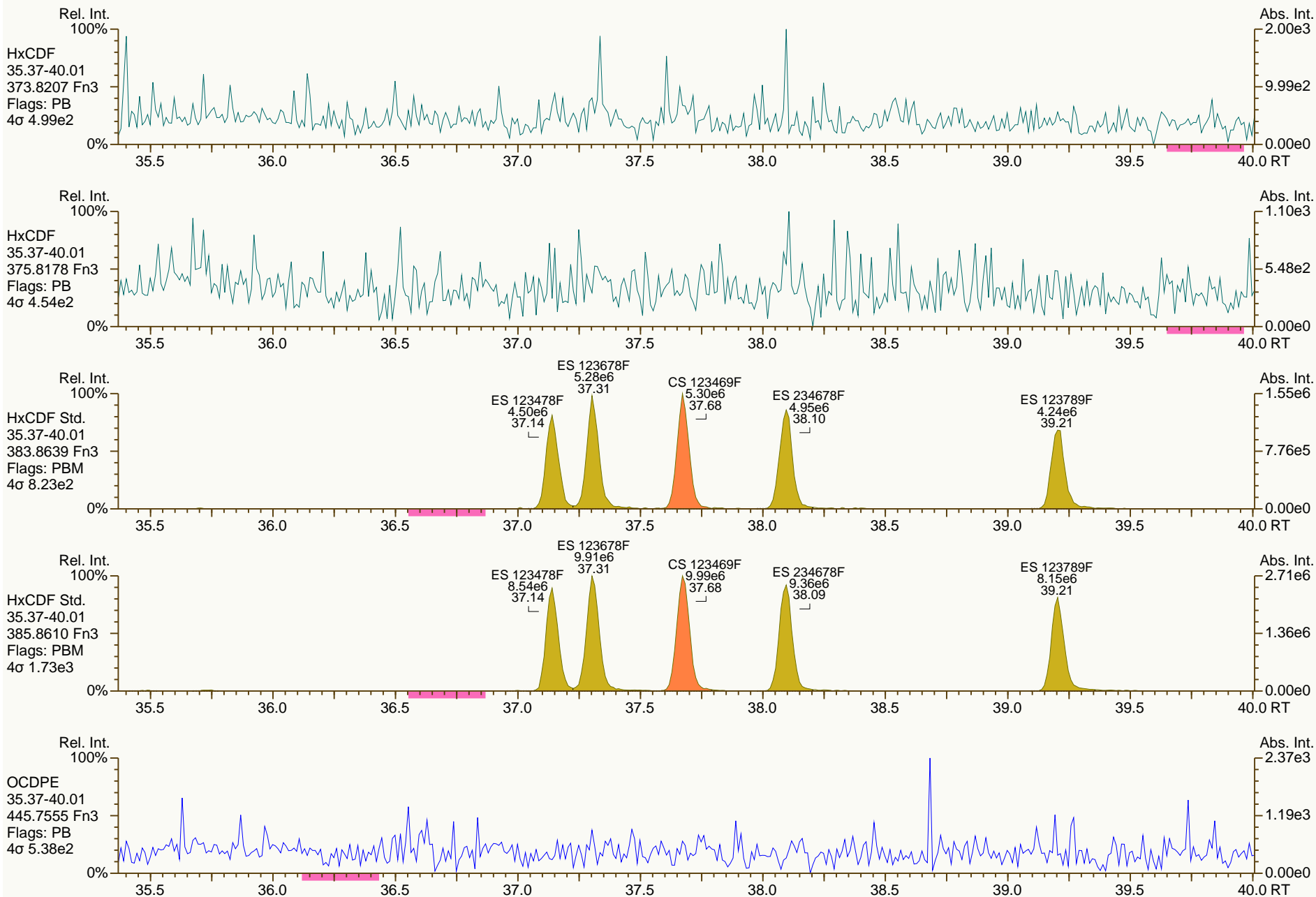
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User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

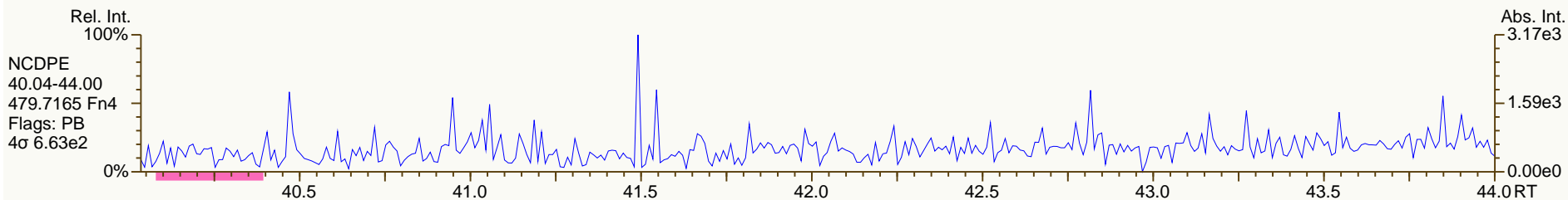
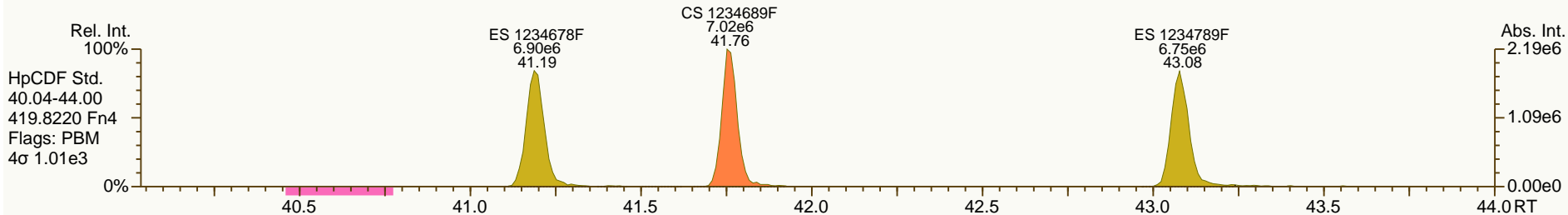
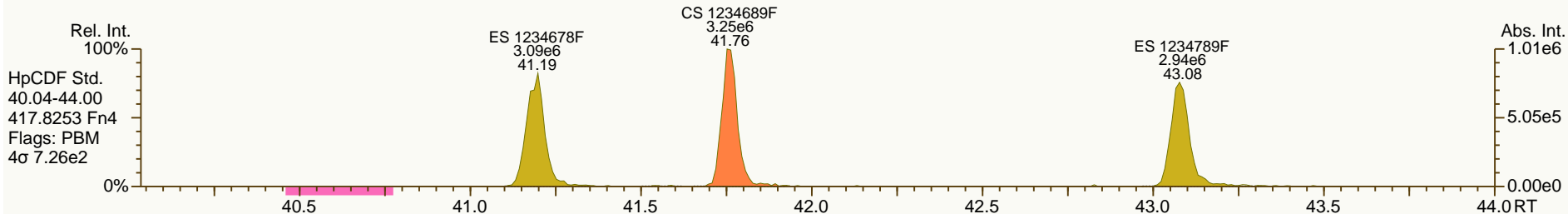
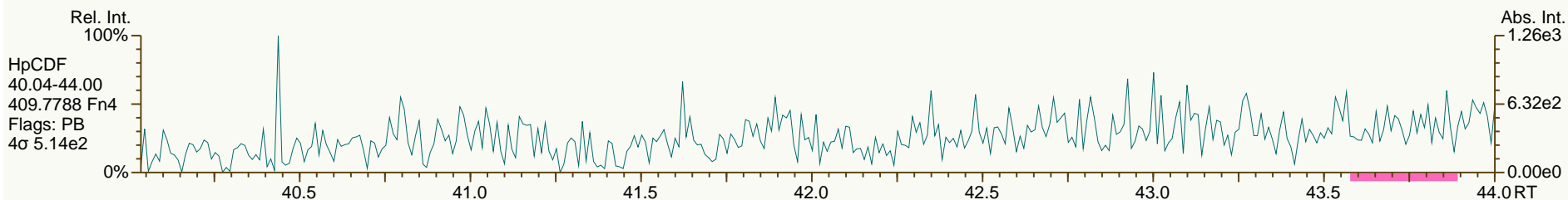
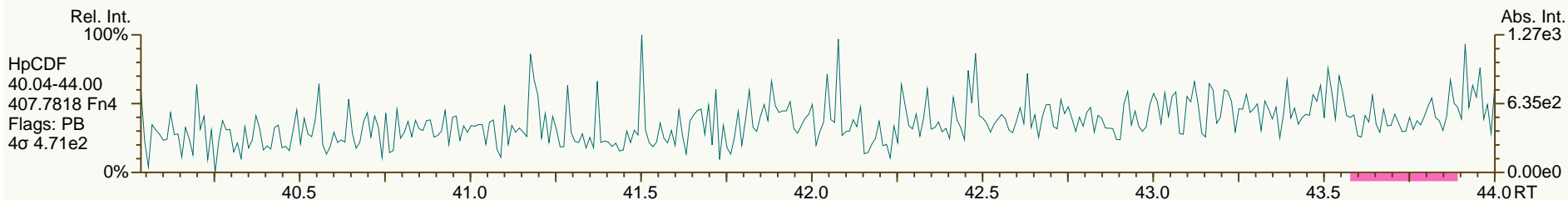
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User: MDC Datafile: 130511P3-04



SGS-AP ID: MB1_10910_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

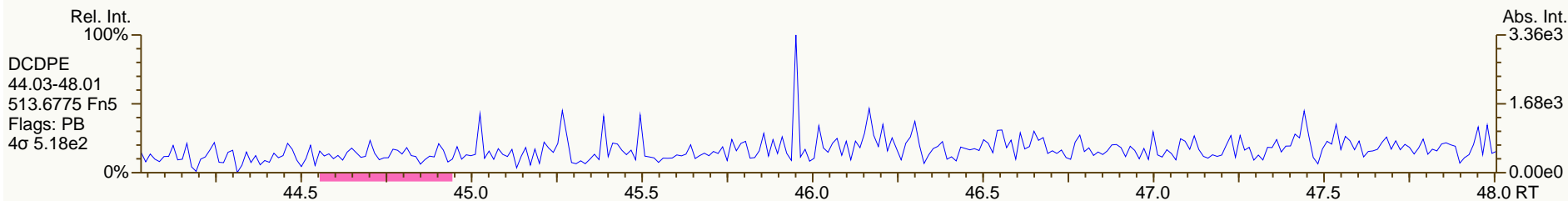
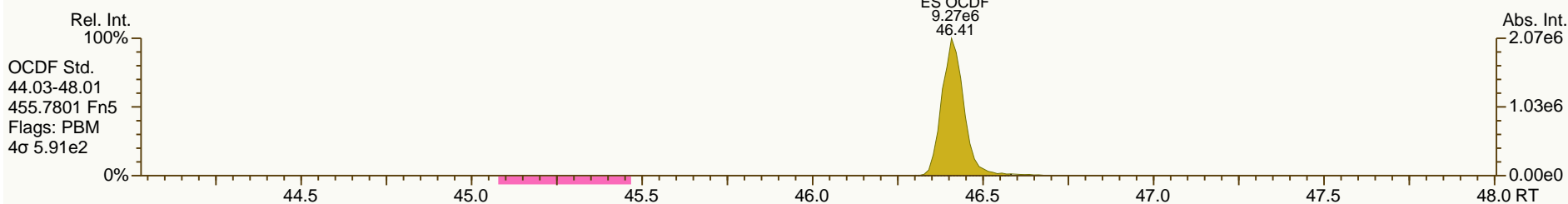
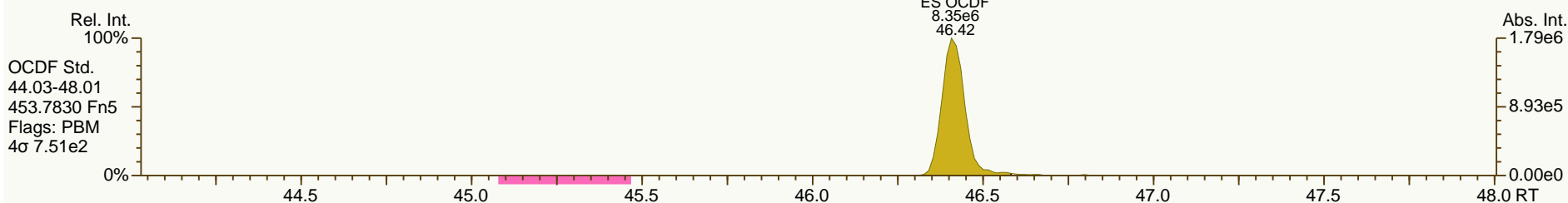
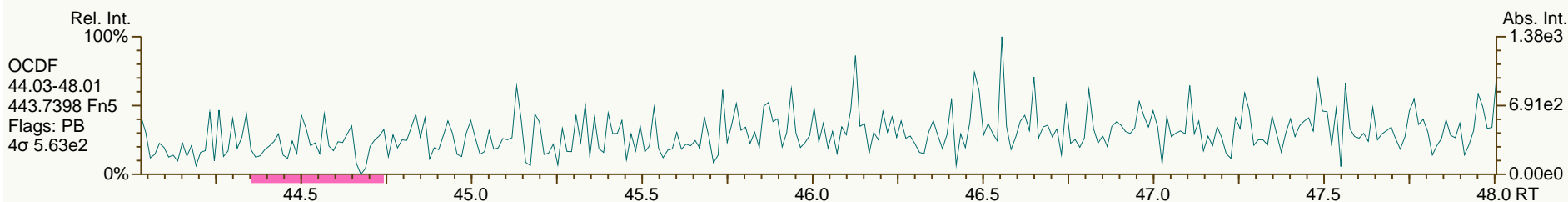
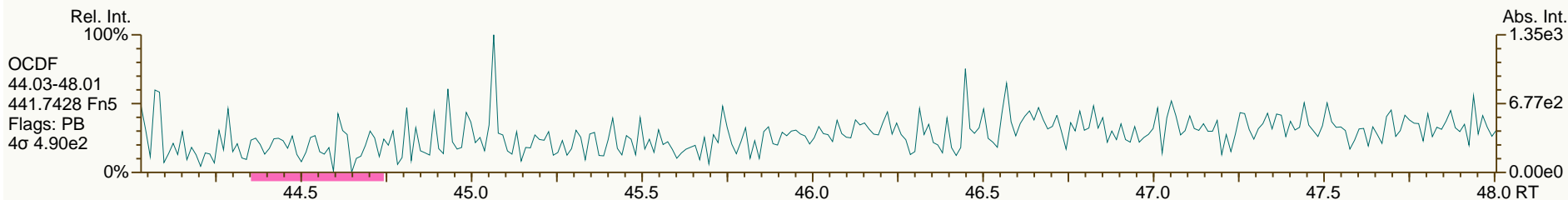
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SGS-AP ID: MB1_10910_DF_SDS
Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5464
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 61

Acq: 12-MAY-2013 06:20:52
User: MDC Datafile: 130511P3-04



Lab ID: A5464_10910_DF_005

Acq'd: 12 May 2013 07:13 MDC

Wt/Vol: 10.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-A-130429

UTP: 14-May-2013 13:29 MDC

J-level: 0.486 pg/g Split: 1

Checkcode: 614-713-HPP

Datafile: 130511P3-05

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0013	+0.5	6.88E+04	0.73	Y	1.06	0.686	1053	0.123
12378-PeCDD	33.68		1.0006	1.0006	0	2.61E+05	1.59	Y	0.94	3.94	1301	0.183
123478-HxCDD	38.33		1.0004	1.0007	+0.7	6.68E+05	1.25	Y	1.02	10.5	2736	0.38
123678-HxCDD	38.46		1.0039	1.0039	0	1.16E+07	1.27	Y	1.04	185	2736	0.375
123789-HxCDD	38.79		1.0127	1.0127	0	3.49E+06	1.28	Y	0.98	55.2	2736	0.381
1234678-HpCDD	42.48		1.0004	1.0004	0	7.45E+07	1.04	Y	1.02	1,250	1659	0.23
OCDD	46.18		1.0004	1.0004	0	1.53E+08	0.90	Y	1.08	3,240	1133	0.244
2378-TCDF	26.40		1.0009	1.0008	-0.2	5.42E+05	0.79	Y	0.97	4.13	1253	0.115
12378-PeCDF	31.95		1.0006	1.0006	0	2.27E+05	1.45	Y	1.00	2.15	1672	0.161
23478-PeCDF	33.29		1.0006	1.0012	+1.2	5.15E+05	1.45	Y	0.96	5.24	1672	0.161
123478-HxCDF	37.15		1.0005	1.0005	0	7.40E+05	1.22	Y	1.23	8.1	3002	0.298
123678-HxCDF	37.32		1.0005	1.0006	+0.2	6.46E+05	1.20	Y	1.14	6.64	3002	0.269
234678-HxCDF	38.10		1.0005	1.0004	-0.2	1.28E+06	1.22	Y	1.14	14.1	3002	0.287
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3002	0.332
1234678-HpCDF	41.20		1.0004	1.0004	0	2.36E+07	1.01	Y	1.34	298	1570	0.184
1234789-HpCDF	43.08		1.0004	1.0003	-0.3	6.73E+05	1.02	Y	1.30	9.41	1570	0.185
OCDF	46.42		1.0004	1.0004	0	1.30E+07	0.87	Y	1.00	238	966	0.179

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.36		1.0280	1.0280	0	1.83E+07	0.79	Y	1.01	88.5
ES 12378-PeCDD	33.66		1.2634	1.2645	+1.8	1.38E+07	1.63	Y	0.90	74.9
ES 123478-HxCDD	38.31		0.9909	0.9909	0	1.21E+07	1.28	Y	0.99	85.6
ES 123678-HxCDD	38.44		0.9944	0.9943	-0.2	1.18E+07	1.23	Y	1.02	81.1
ES 123789-HxCDD	38.78		1.0031	1.0030	-0.2	1.25E+07	1.20	Y	1.12	79.3
ES 1234678-HpCDD	42.46		1.0981	1.0985	+0.9	1.14E+07	1.03	Y	0.90	88.8
ES OCDD	46.16		1.1942	1.1940	-0.5	1.70E+07	0.91	Y	0.74	80.9
ES 2378-TCDF	26.38		1.0616	1.0624	+1.2	2.62E+07	0.78	Y	1.05	86.8
ES 12378-PeCDF	31.93		1.2843	1.2861	+2.7	2.06E+07	1.55	Y	0.88	81.7
ES 23478-PeCDF	33.25		1.3372	1.3392	+3.0	1.98E+07	1.51	Y	0.91	76
ES 123478-HxCDF	37.13		0.9607	0.9605	-0.5	1.44E+07	0.52	Y	1.25	81.2
ES 123678-HxCDF	37.30		0.9650	0.9649	-0.2	1.67E+07	0.53	Y	1.40	83.9
ES 234678-HxCDF	38.09		0.9852	0.9852	0	1.54E+07	0.52	Y	1.29	84.1
ES 123789-HxCDF	39.20		1.0139	1.0140	+0.2	1.40E+07	0.51	Y	1.17	84.4
ES 1234678-HpCDF	41.18		1.0651	1.0652	+0.2	1.15E+07	0.44	Y	1.03	78.5
ES 1234789-HpCDF	43.07		1.1137	1.1140	+0.7	1.07E+07	0.45	Y	0.89	85.3
ES OCDF	46.40		1.2004	1.2003	-0.2	2.13E+07	0.90	Y	1.00	74.8

Lab ID: A5464_10910_DF_005

Acq'd: 12 May 2013 07:13 MDC

Wt/Vol: 10.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-A-130429

UTP: 14-May-2013 13:29 MDC

J-level: 0.486 pg/g Split: 1

Checkcode: 614-713-HPP

Datafile: 130511P3-05

Report: 14 May 2013 13:31 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

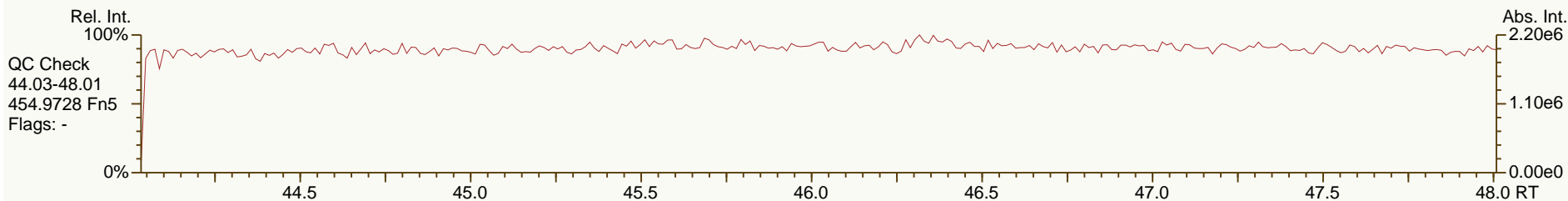
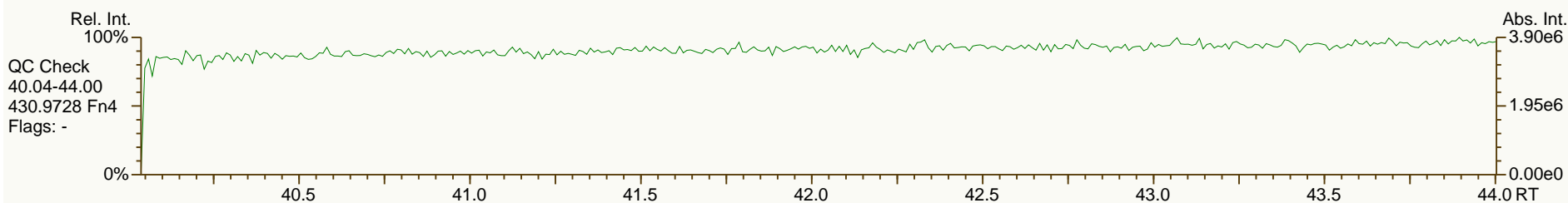
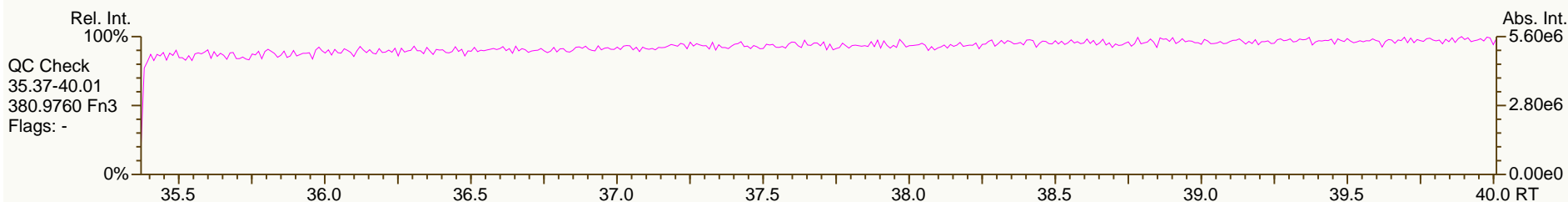
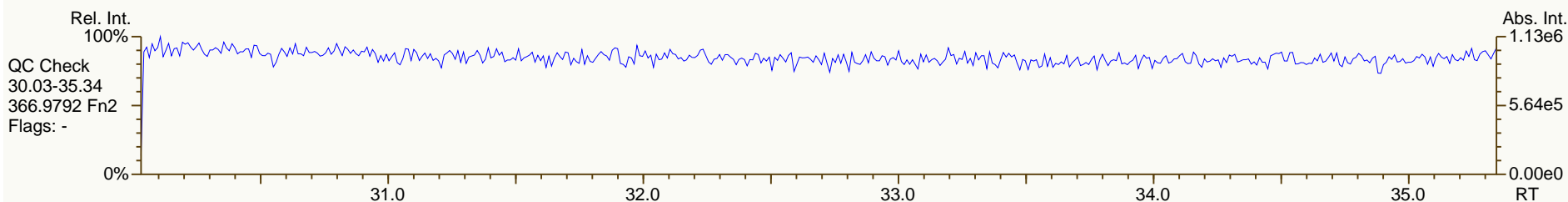
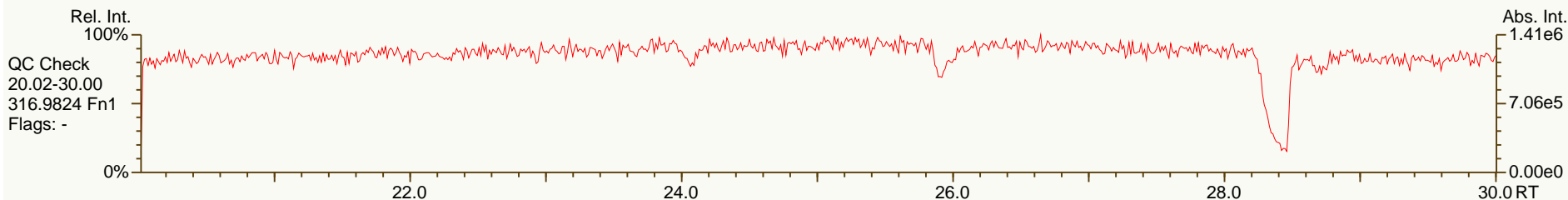
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JS 1234-TCDD	26.62		-	-	-	2.05E+07	0.81	Y	-	-
JS 1234-TCDF	24.83		-	-	-	2.86E+07	0.78	Y	-	-
JS 123467-HxCDD	38.66		-	-	-	7.10E+06	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0290	+0.2	8.85E+06	n/a	-	1.10	98.1
CS 12347-PeCDD	33.07		1.2412	1.2423	+1.8	1.45E+07	1.60	Y	0.79	88.8
CS 12346-PeCDF	31.32		1.2593	1.2614	+3.1	2.31E+07	1.55	Y	0.87	93.1
CS 123469-HxCDF	37.67		0.9745	0.9743	-0.5	1.64E+07	0.53	Y	1.21	95.4
CS 1234689-HpCDF	41.75		1.0797	1.0800	+0.7	1.17E+07	0.43	Y	0.89	92
SS 37Cl-2378-TCDD	27.39		1.0289	1.0290	+0.2	8.85E+06	n/a	-	1.09	111
SS 12347-PeCDD	33.07		1.2412	1.2423	+1.8	1.45E+07	1.60	Y	0.89	118
SS 12346-PeCDF	31.32		1.2593	1.2614	+3.1	2.31E+07	1.55	Y	0.99	114
SS 123469-HxCDF	37.67		0.9745	0.9743	-0.5	1.64E+07	0.53	Y	0.87	113
SS 1234689-HpCDF	41.75		1.0797	1.0800	+0.7	1.17E+07	0.43	Y	0.87	117
AS 1368-TCDD	23.22		0.8733	0.8723	-1.6	1.76E+07	0.79	Y	1.00	86.1
AS 1368-TCDF	21.06		0.8479	0.8484	+0.7	3.10E+07	0.77	Y	1.20	90.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	69.6	70.7	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	72	72	Original Values	Corrected Values
Total HxCDD	1200	1200	Ratio 0.64	0.73
Total HpCDD	2480	2480	Response 7.41E+04	6.88E+04
Total Tetra-Octa Dioxins	7070	7070		
Total TCDF	50.8	52		
Total PeCDF	88.2	89.1		
Total HxCDF	383	383		
Total HpCDF	822	822		
Total Tetra-Octa Furans	1580	1580		
Total Tetra-Octa Dioxins & Furans	8650	8650		

SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

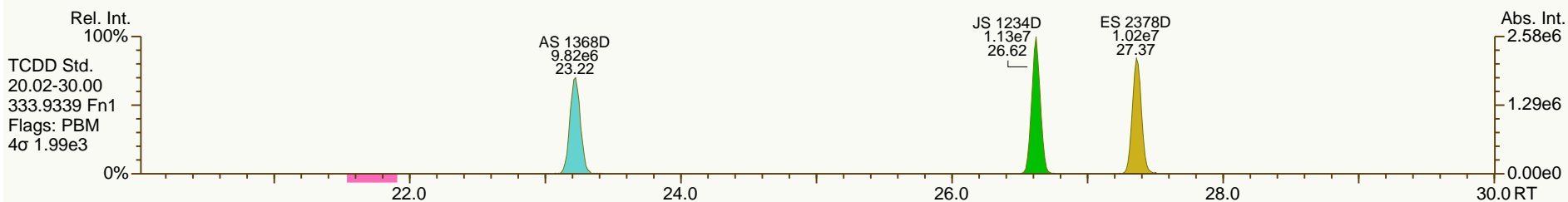
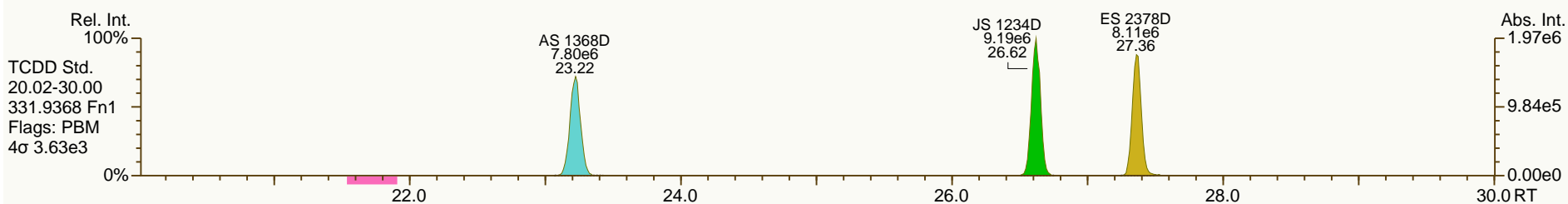
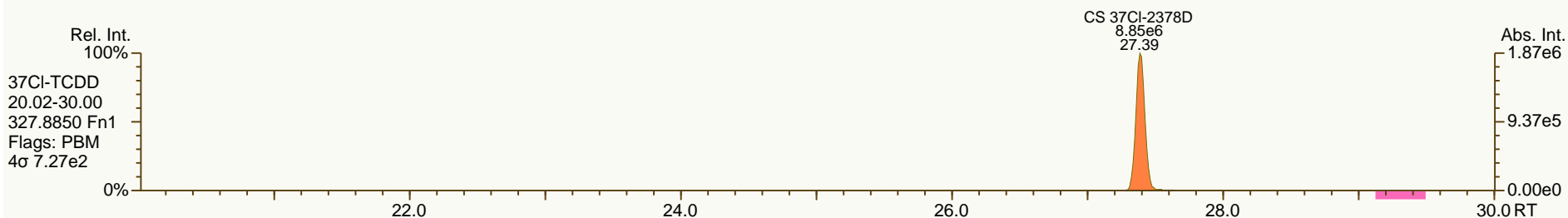
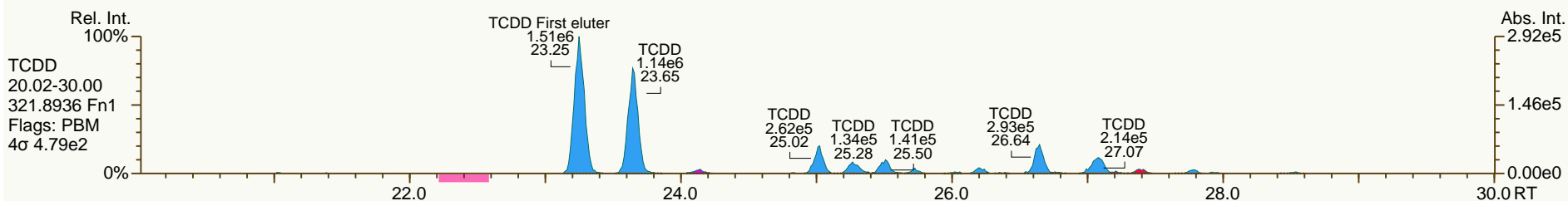
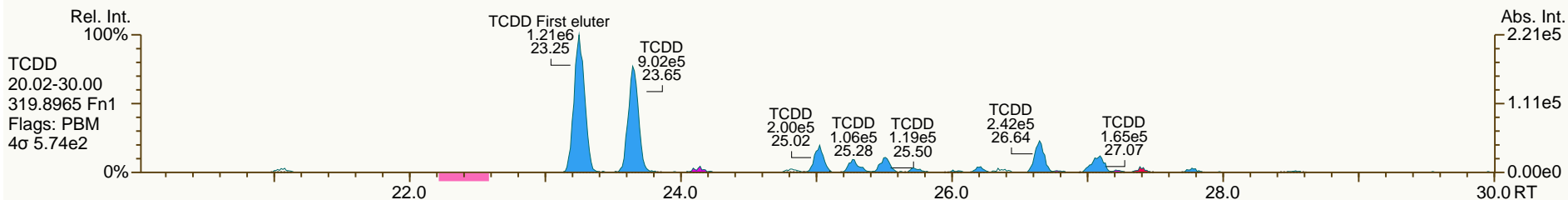
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

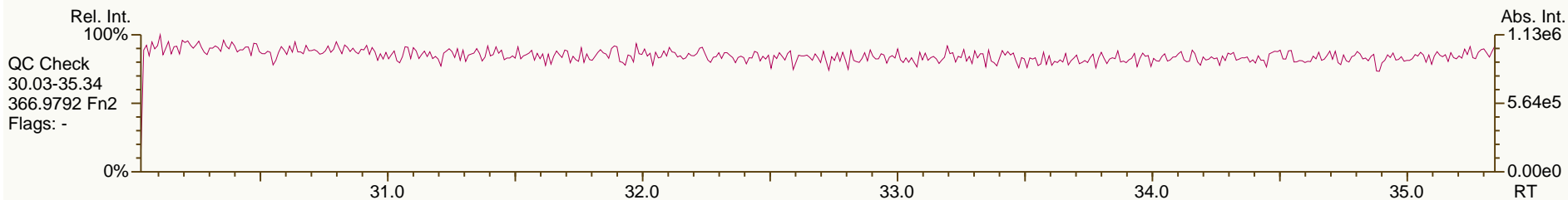
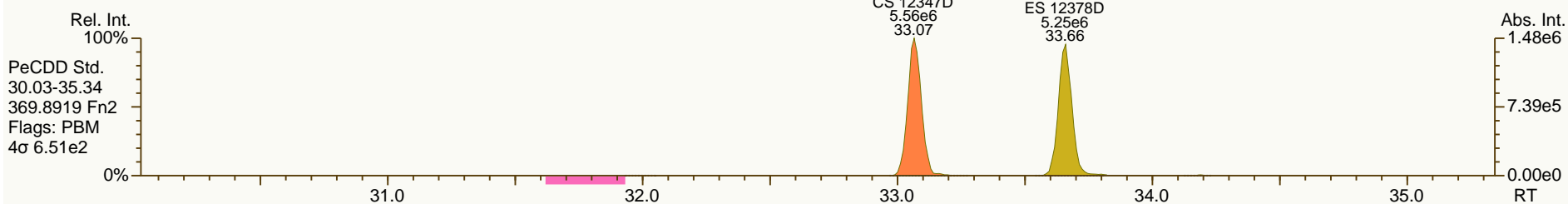
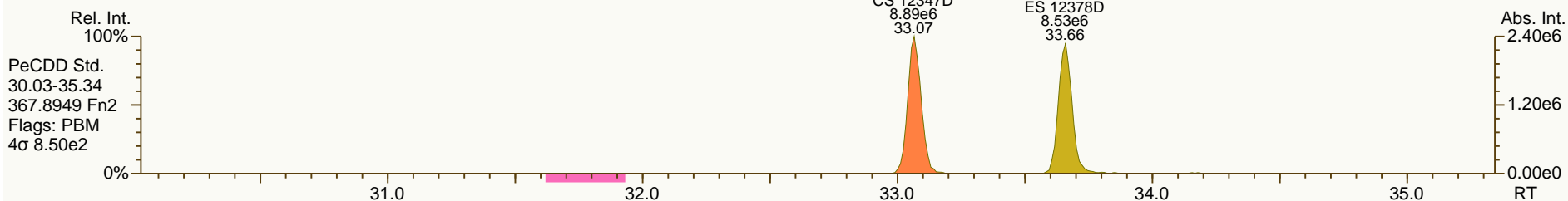
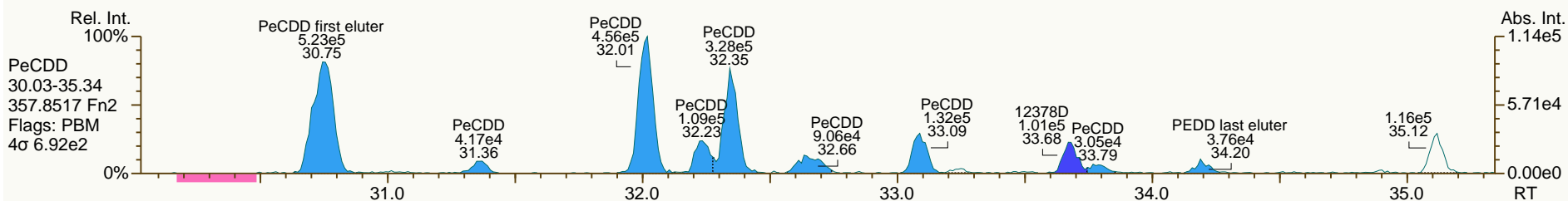
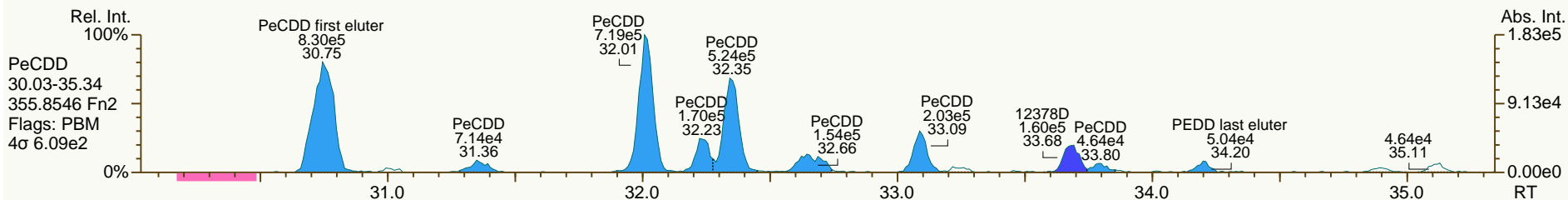
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

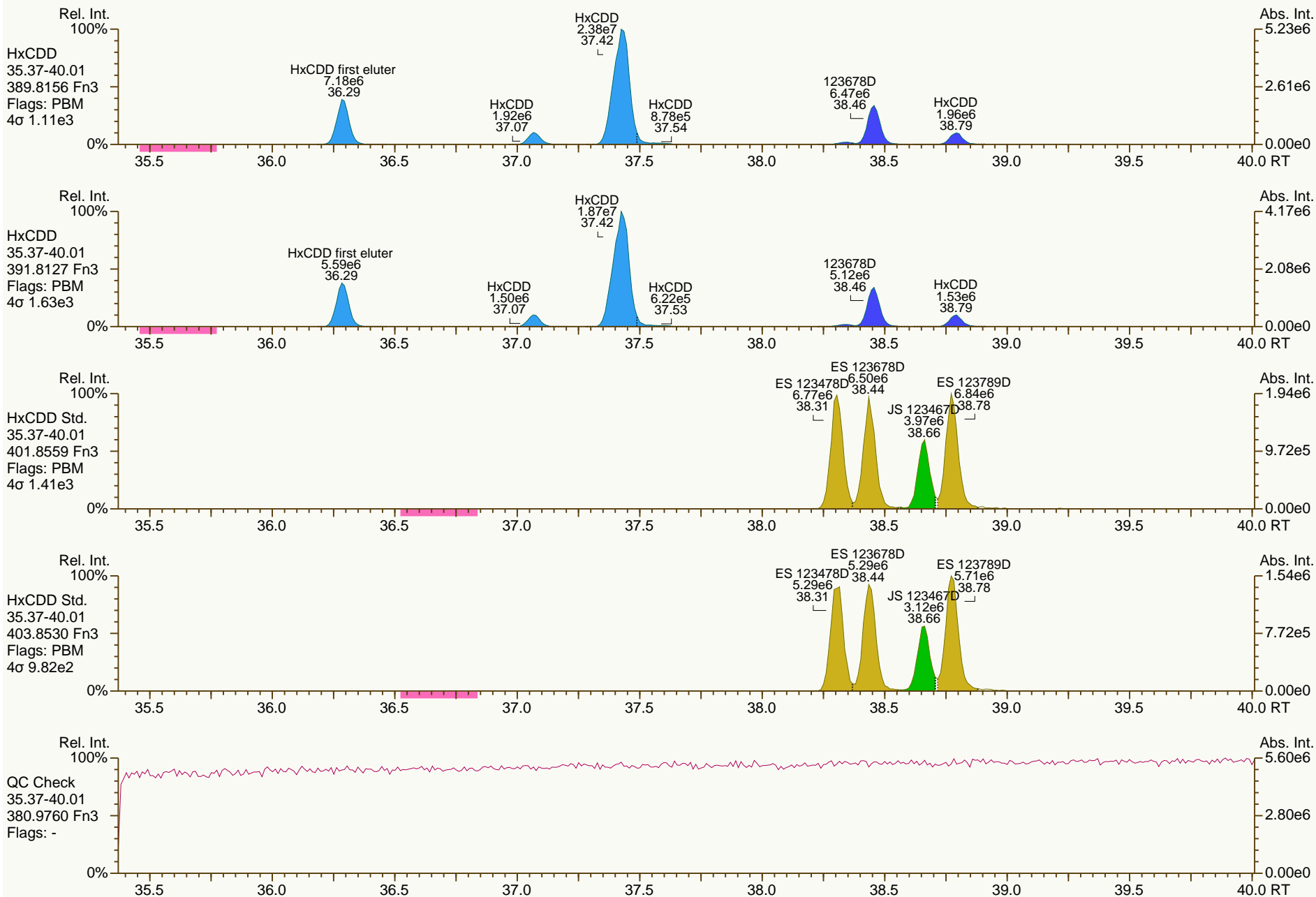
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

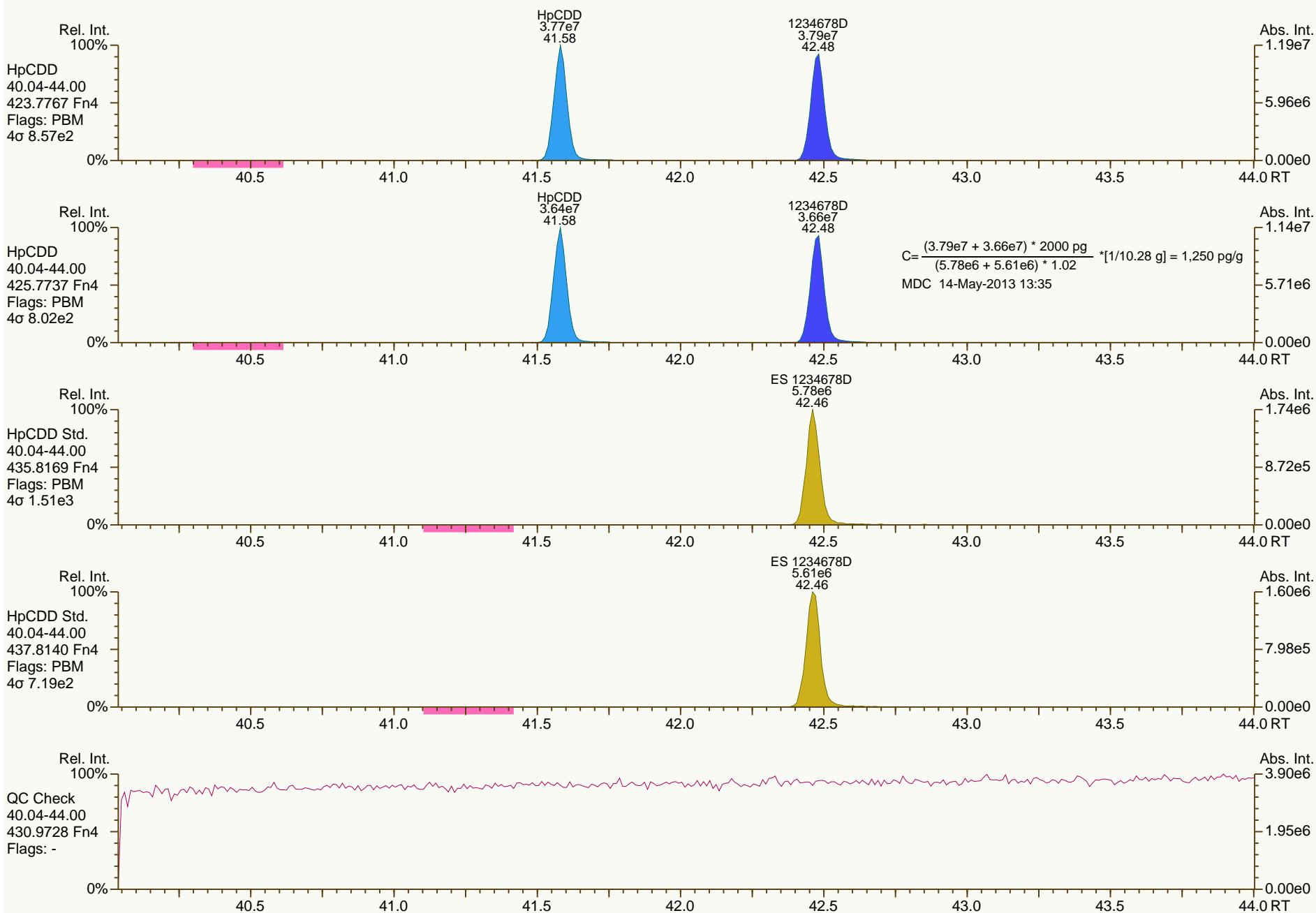
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

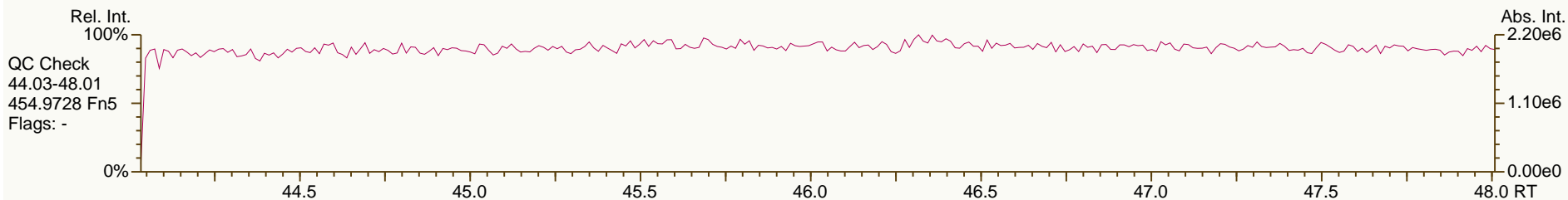
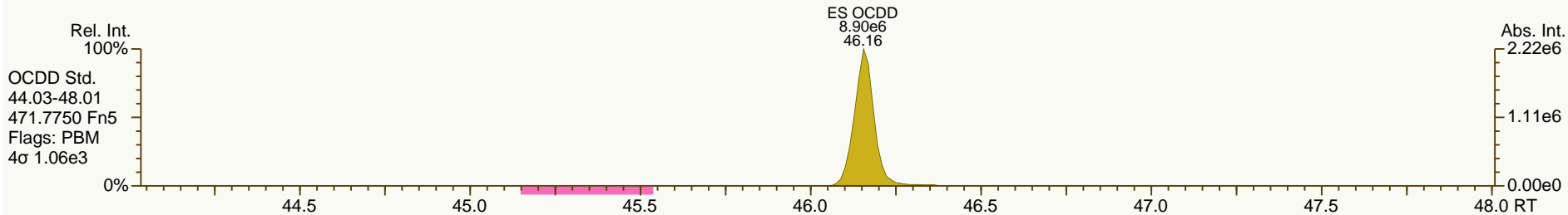
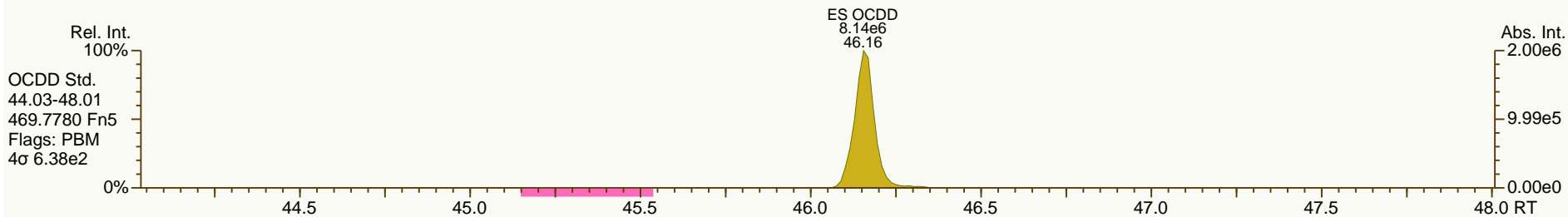
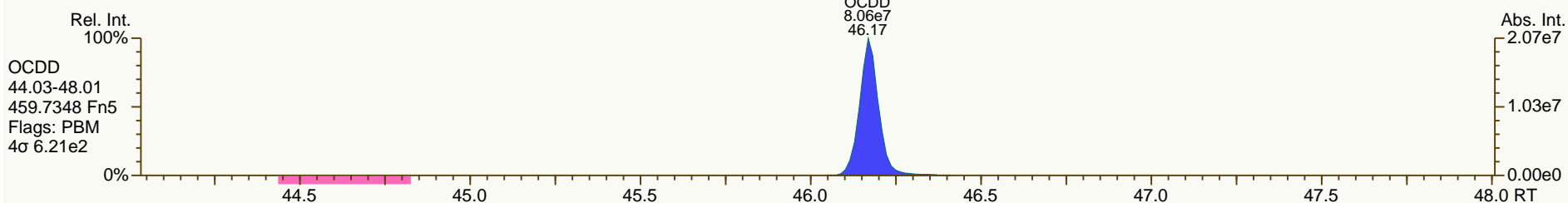
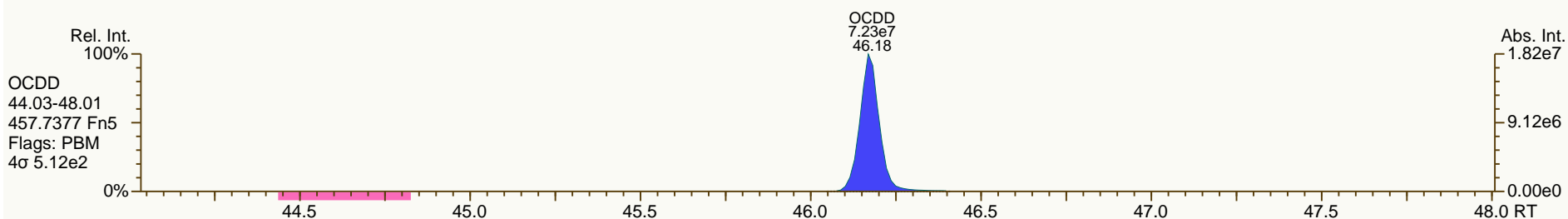
Acq: 12-MAY-2013 07:13:30
User: MDC Datafile: 130511P3-05



SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

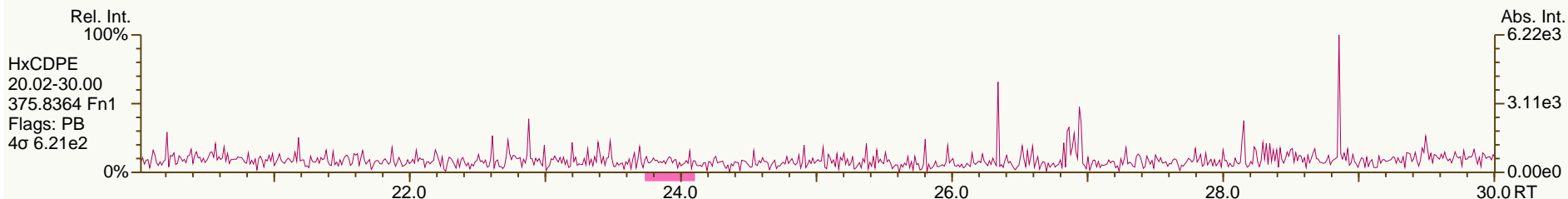
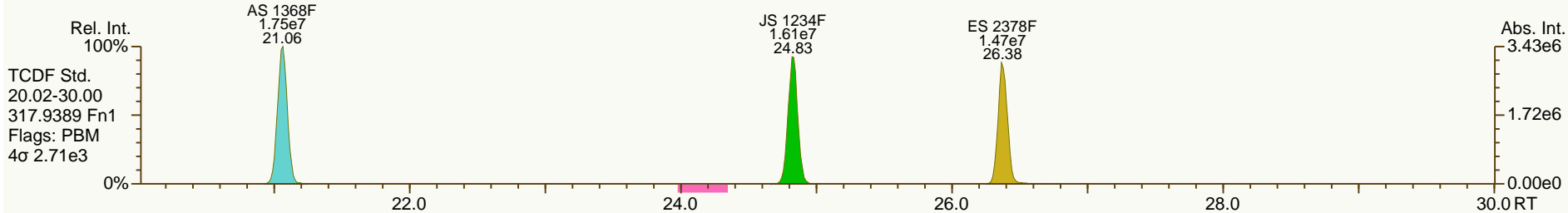
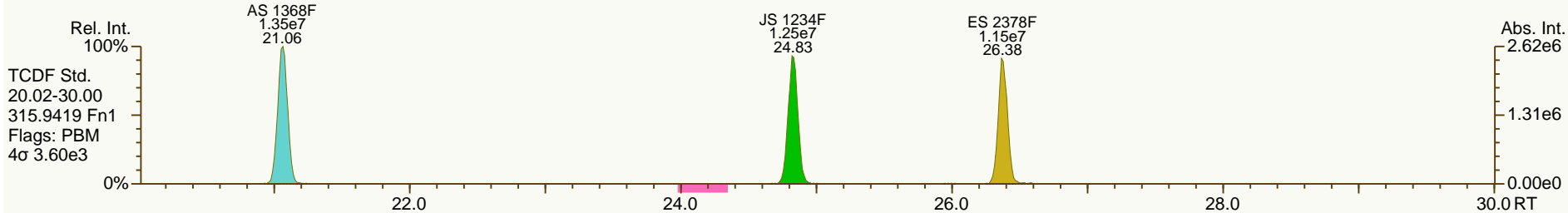
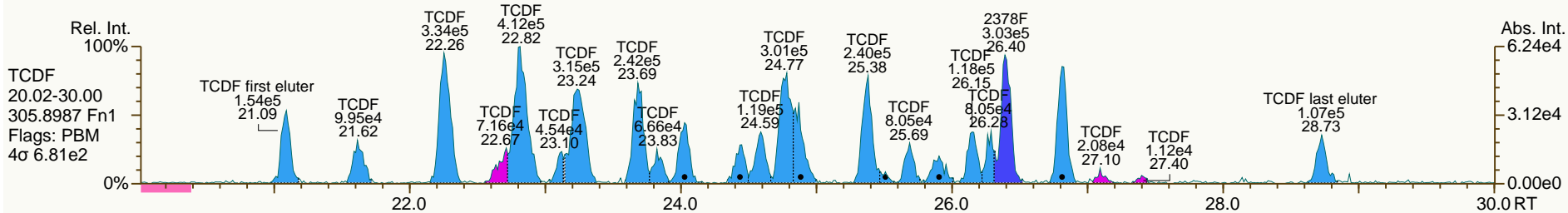
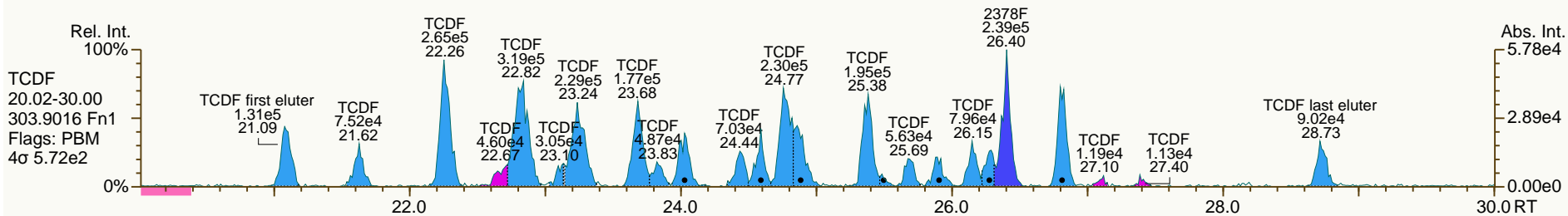
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User: MDC Datafile: 130511P3-05



SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

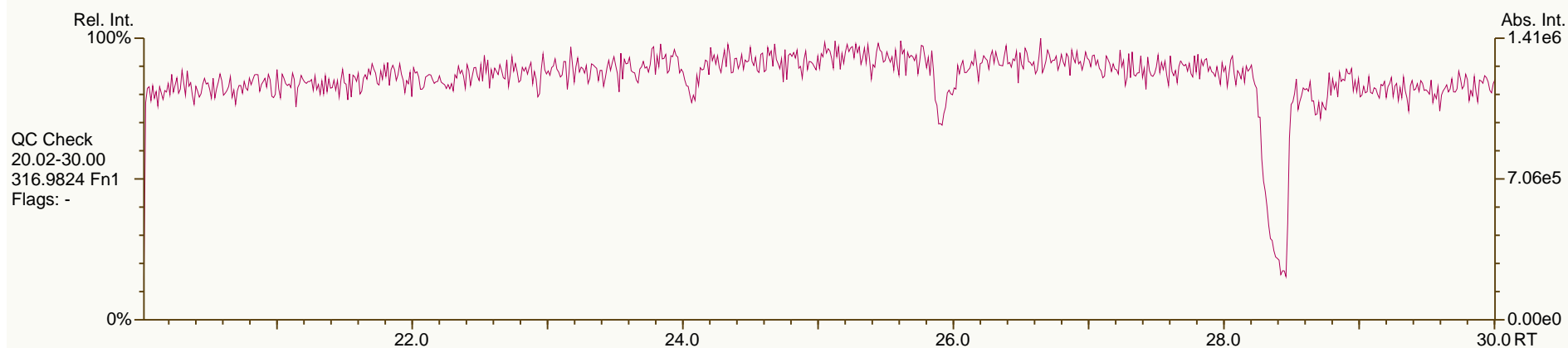
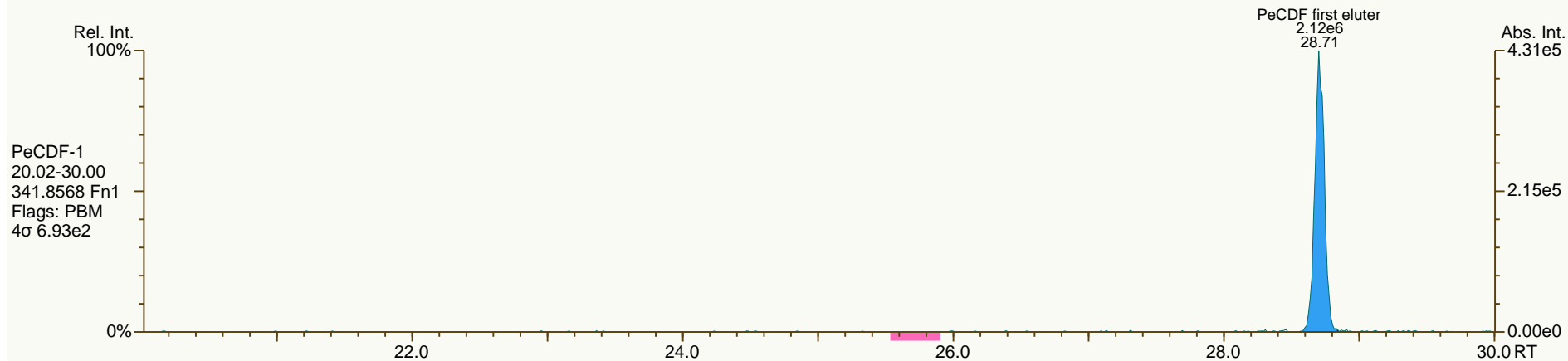
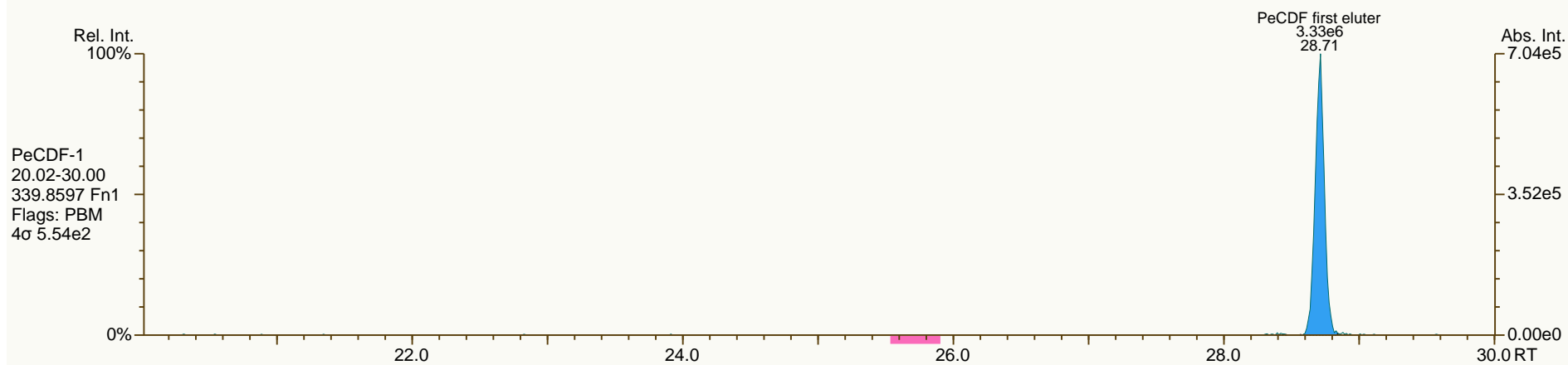
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

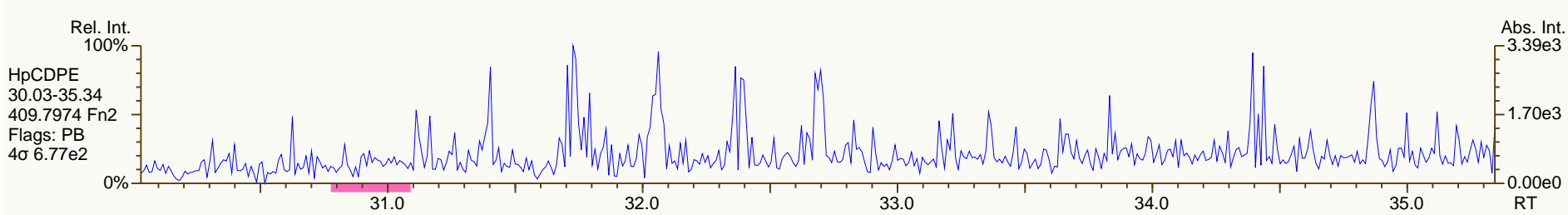
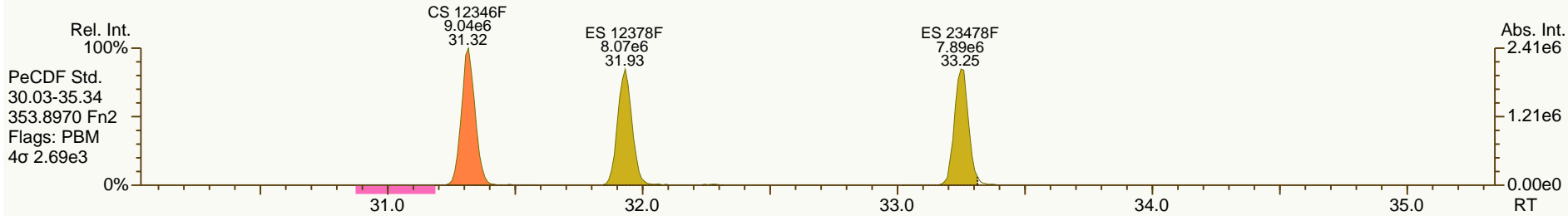
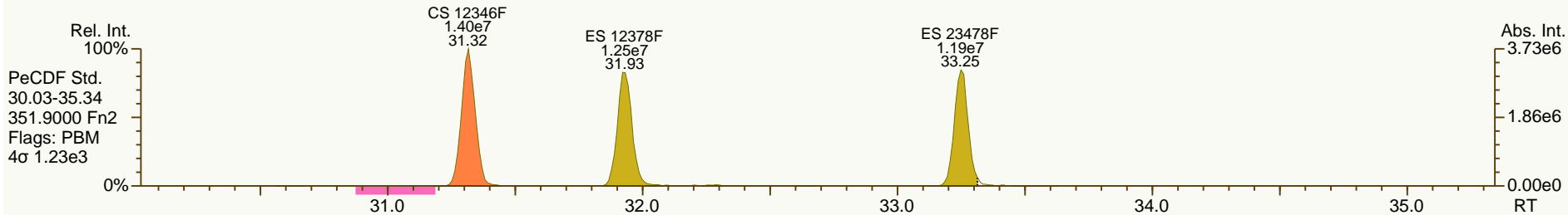
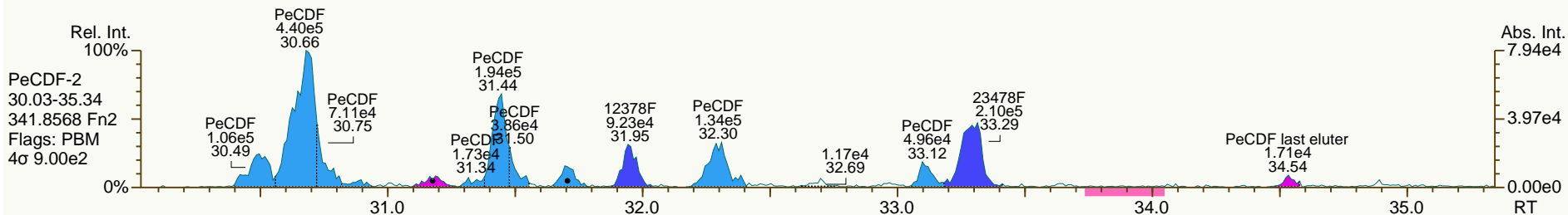
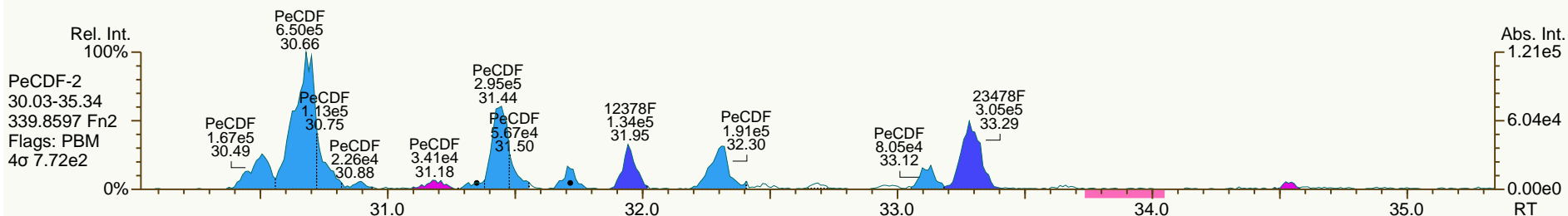
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

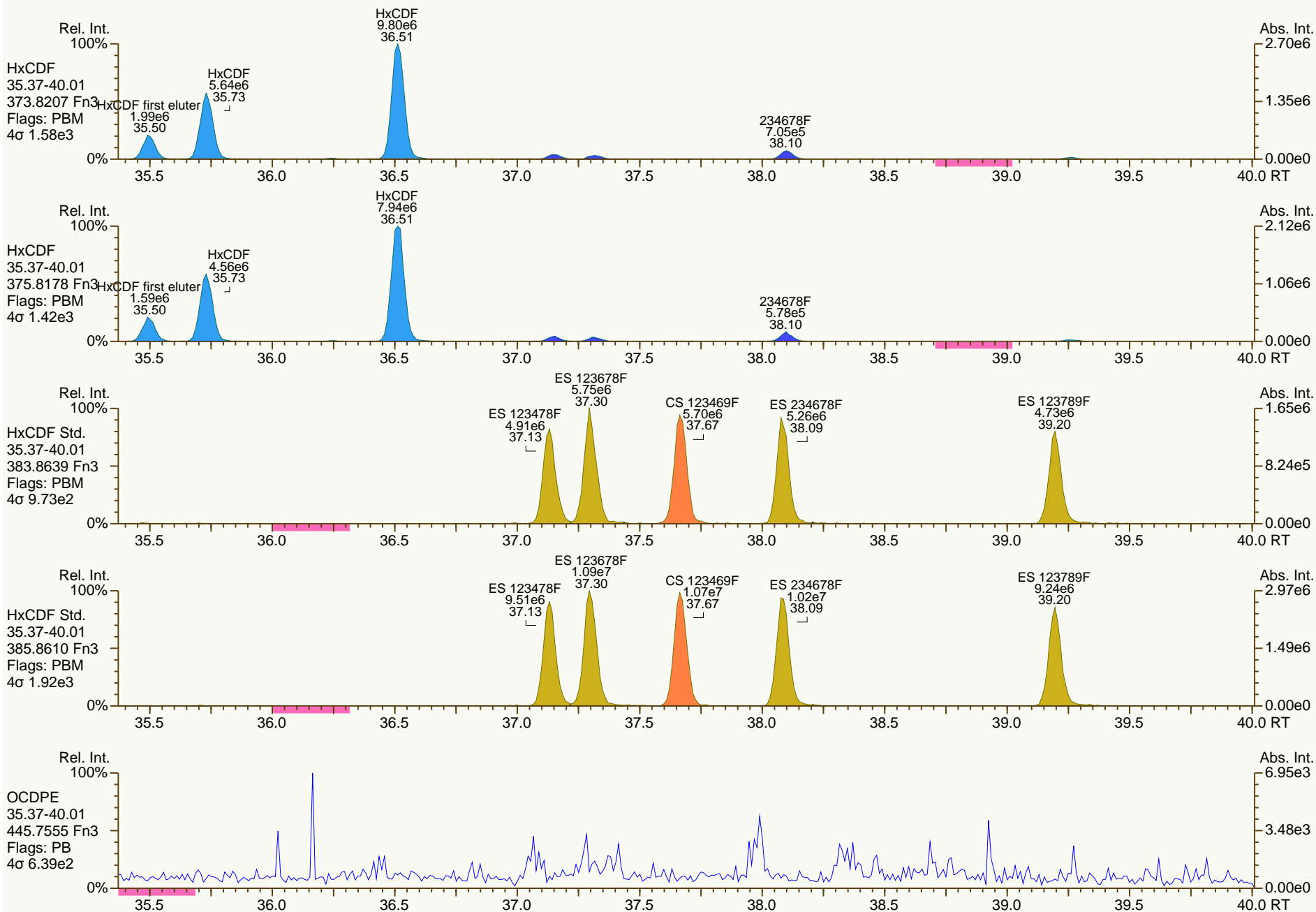
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SGS-AP ID: A5464_10910_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

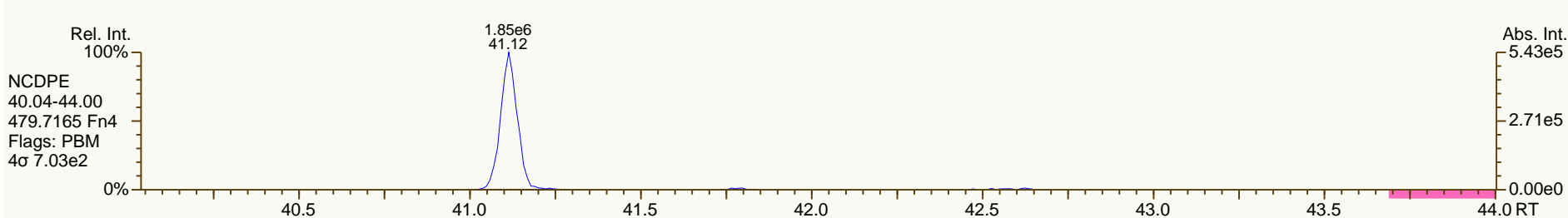
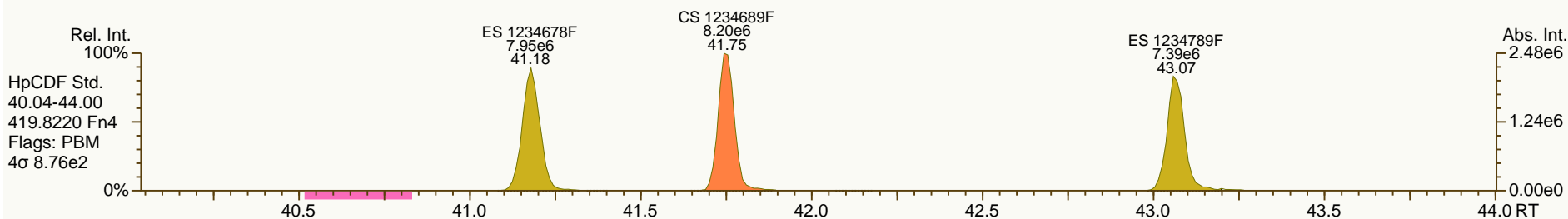
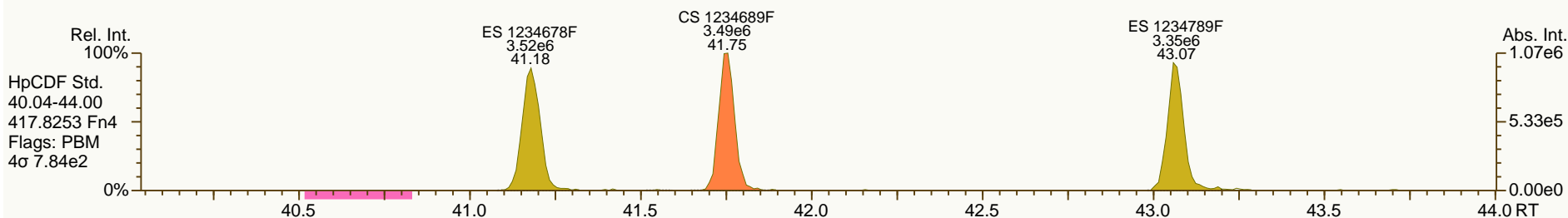
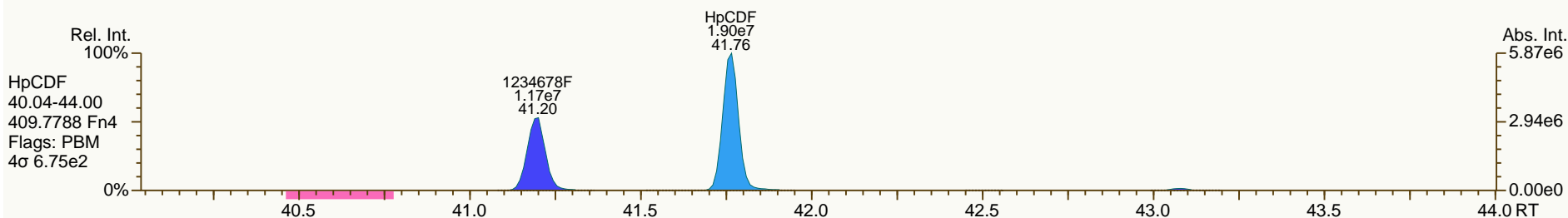
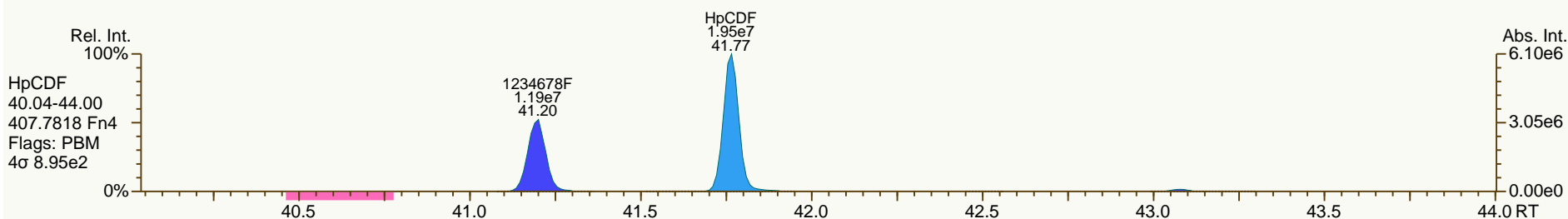
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

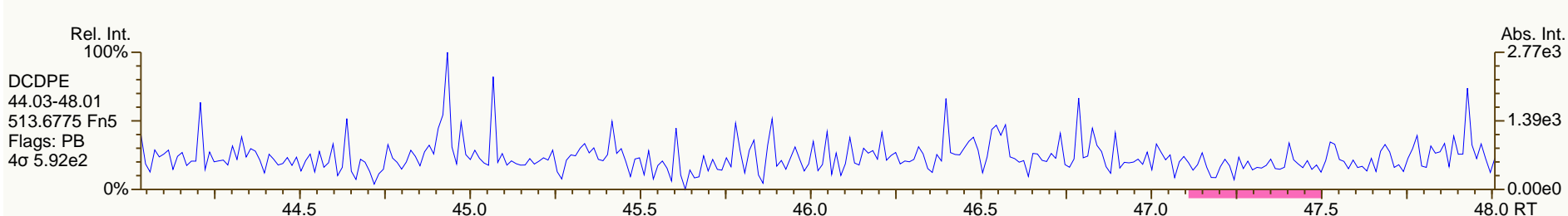
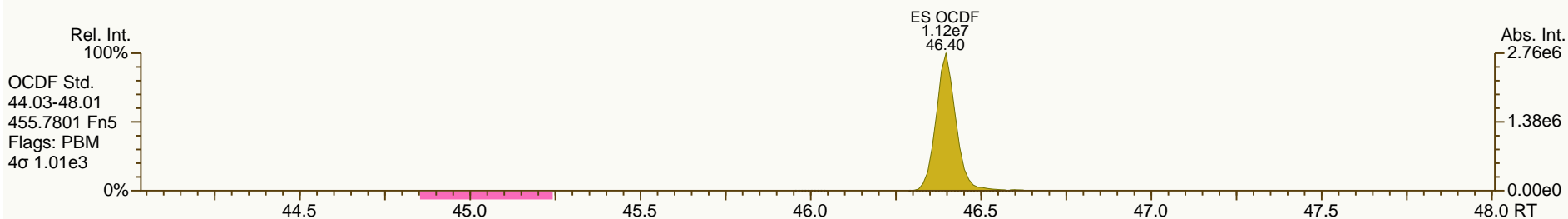
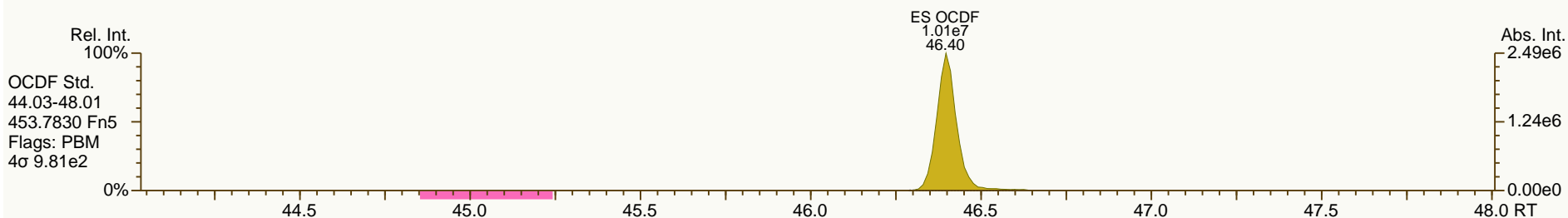
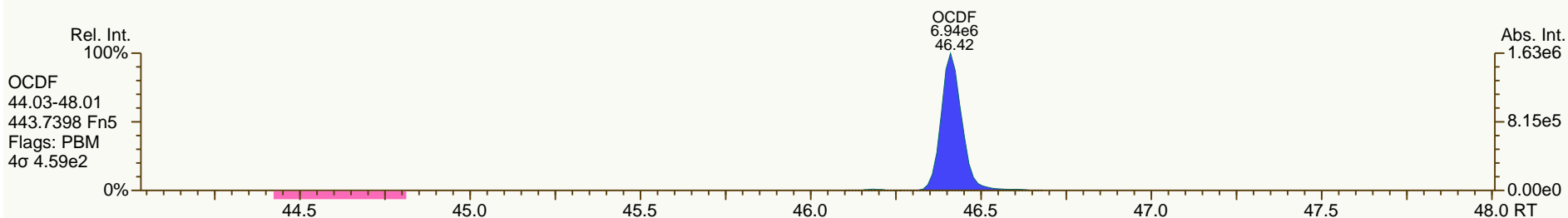
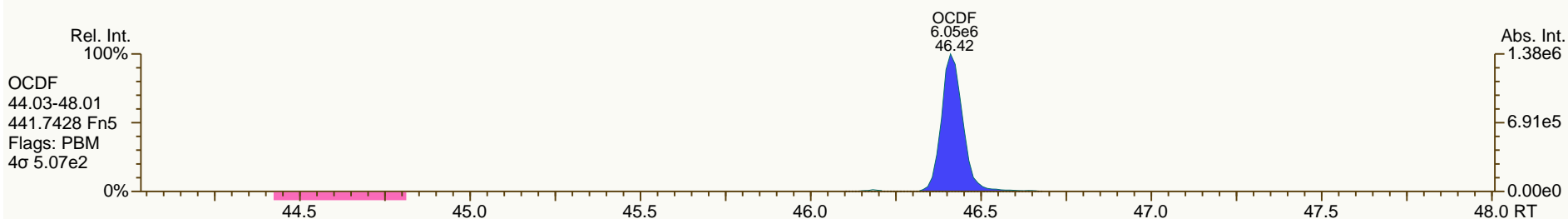
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SGS-AP ID: A5464_10910_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-A-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 63

Acq: 12-MAY-2013 07:13:30
User: MDC Datafile: 130511P3-05



Lab ID: A5464_10910_DF_006

Acq'd: 12 May 2013 08:06 MDC

Wt/Vol: 10.05 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-B-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 764-086-ZQB

Datafile: 130511P3-06

Report: 14 May 2013 13:31 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.39		1.0010	1.0008	-0.3	1.67E+05	0.92	N	1.06	1.44	1367	0.138
12378-PeCDD	33.68		1.0006	1.0006	0	6.52E+05	1.61	Y	0.94	7.83	1395	0.166
123478-HxCDD	38.34		1.0004	1.0006	+0.5	1.46E+06	1.26	Y	1.02	18.5	4182	0.521
123678-HxCDD	38.47		1.0039	1.0040	+0.2	2.60E+07	1.26	Y	1.04	327	4182	0.566
123789-HxCDD	38.82		1.0127	1.0131	+0.9	6.93E+06	1.28	Y	0.98	82.4	4182	0.583
1234678-HpCDD	42.49		1.0004	1.0004	0	1.87E+08	1.03	Y	1.02	2,410	1647	0.194
OCDD	46.18		1.0004	1.0004	0	4.02E+08	0.89	Y	1.08	6,440	1157	0.217
2378-TCDF	26.40		1.0009	1.0009	0	1.85E+06	0.79	Y	0.97	12.4	1649	0.135
12378-PeCDF	31.95		1.0006	1.0006	0	7.40E+05	1.55	Y	1.00	5.63	2150	0.164
23478-PeCDF	33.29		1.0006	1.0012	+1.2	2.04E+06	1.48	Y	0.96	15.9	2150	0.163
123478-HxCDF	37.15		1.0005	1.0005	0	3.01E+06	1.24	Y	1.23	26.4	5062	0.407
123678-HxCDF	37.32		1.0005	1.0005	0	2.44E+06	1.28	Y	1.14	20.3	5062	0.401
234678-HxCDF	38.11		1.0005	1.0004	-0.2	5.47E+06	1.27	Y	1.14	48.2	5062	0.443
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5062	0.368
1234678-HpCDF	41.20		1.0004	1.0004	0	1.06E+08	1.02	Y	1.34	1,050	1157	0.11
1234789-HpCDF	43.09		1.0004	1.0004	0	2.84E+06	1.04	Y	1.30	31.6	1157	0.124
OCDF	46.43		1.0004	1.0004	0	4.95E+07	0.88	Y	1.00	718	1283	0.206

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37	1.0280	1.0280	0	2.17E+07	0.79	Y	1.01	90.9
ES 12378-PeCDD	33.66	1.2634	1.2643	+1.4	1.77E+07	1.60	Y	0.90	83.5
ES 123478-HxCDD	38.31	0.9909	0.9907	-0.5	1.53E+07	1.27	Y	0.99	82.9
ES 123678-HxCDD	38.45	0.9944	0.9942	-0.5	1.53E+07	1.25	Y	1.02	80.2
ES 123789-HxCDD	38.80	1.0031	1.0032	+0.2	1.70E+07	1.23	Y	1.12	82.2
ES 1234678-HpCDD	42.47	1.0981	1.0982	+0.2	1.51E+07	1.04	Y	0.90	89.7
ES OCDD	46.17	1.1942	1.1938	-0.9	2.30E+07	0.89	Y	0.74	83.4
ES 2378-TCDF	26.38	1.0616	1.0621	+0.7	3.06E+07	0.78	Y	1.05	84.7
ES 12378-PeCDF	31.93	1.2843	1.2856	+1.9	2.62E+07	1.51	Y	0.88	87.1
ES 23478-PeCDF	33.25	1.3372	1.3388	+2.4	2.64E+07	1.55	Y	0.91	84.8
ES 123478-HxCDF	37.13	0.9607	0.9602	-1.2	1.84E+07	0.54	Y	1.25	79.1
ES 123678-HxCDF	37.30	0.9650	0.9645	-1.2	2.10E+07	0.53	Y	1.40	80.8
ES 234678-HxCDF	38.09	0.9852	0.9850	-0.5	1.97E+07	0.52	Y	1.29	81.8
ES 123789-HxCDF	39.24	1.0139	1.0145	+1.4	1.92E+07	0.52	Y	1.17	88.8
ES 1234678-HpCDF	41.19	1.0651	1.0650	-0.2	1.50E+07	0.44	Y	1.03	78.3
ES 1234789-HpCDF	43.07	1.1137	1.1137	0	1.38E+07	0.43	Y	0.89	83.4
ES OCDF	46.41	1.2004	1.2001	-0.7	2.74E+07	0.90	Y	1.00	73.7

Lab ID: A5464_10910_DF_006

Acq'd: 12 May 2013 08:06 MDC

Wt/Vol: 10.05 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-B-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.497 pg/g

Split: 1

Checkcode: 764-086-ZQB

Datafile: 130511P3-06

Report: 14 May 2013 13:31 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

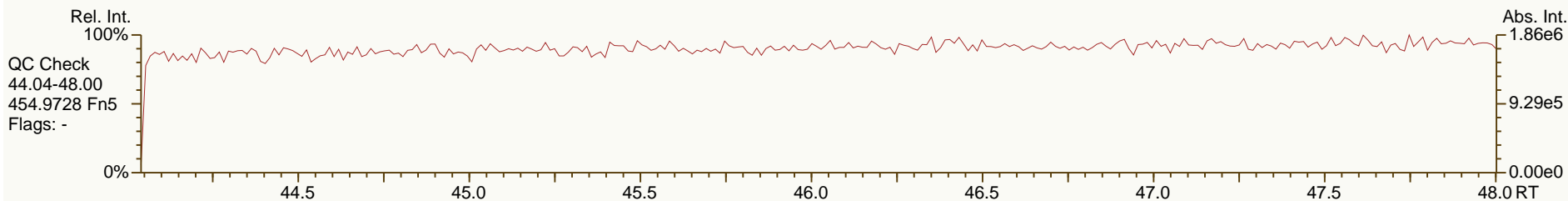
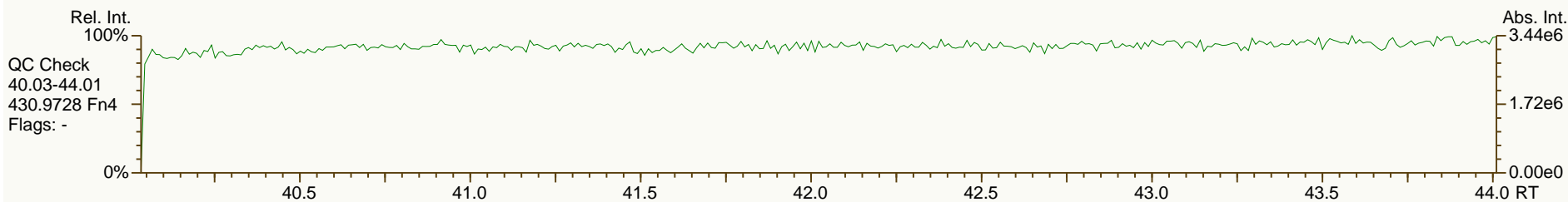
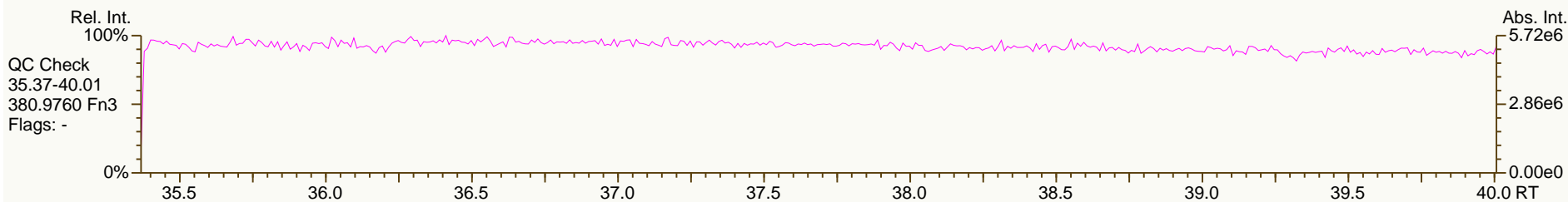
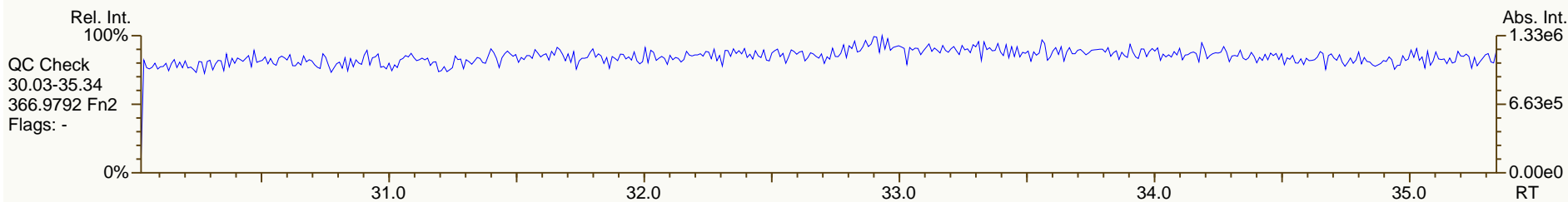
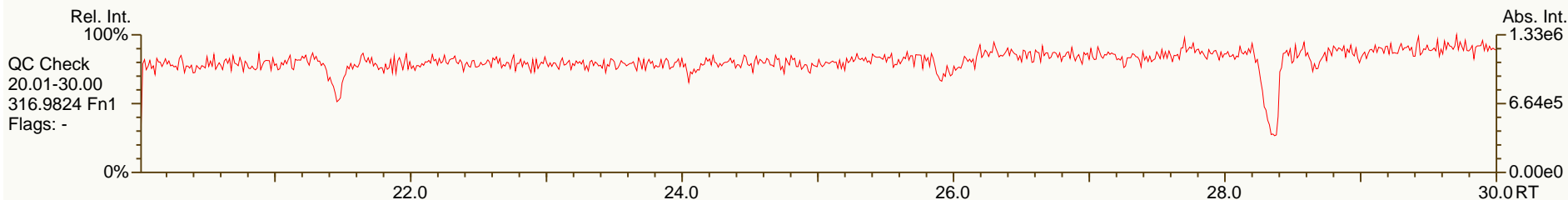
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JS 1234-TCDD	26.62		-	-	-	2.36E+07	0.82	Y	-	-
JS 1234-TCDF	24.83		-	-	-	3.42E+07	0.77	Y	-	-
JS 123467-HxCDD	38.67		-	-	-	9.30E+06	1.24	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0289	0	1.01E+07	n/a	-	1.10	97.3
CS 12347-PeCDD	33.06		1.2412	1.2420	+1.3	1.91E+07	1.63	Y	0.79	102
CS 12346-PeCDF	31.32		1.2593	1.2613	+3.0	3.02E+07	1.51	Y	0.87	102
CS 123469-HxCDF	37.67		0.9745	0.9740	-1.2	2.10E+07	0.52	Y	1.21	93.1
CS 1234689-HpCDF	41.76		1.0797	1.0797	0	1.58E+07	0.44	Y	0.89	94.7
SS 37Cl-2378-TCDD	27.39		1.0289	1.0289	0	1.01E+07	n/a	-	1.09	107
SS 12347-PeCDD	33.06		1.2412	1.2420	+1.3	1.91E+07	1.63	Y	0.89	122
SS 12346-PeCDF	31.32		1.2593	1.2613	+3.0	3.02E+07	1.51	Y	0.99	116
SS 123469-HxCDF	37.67		0.9745	0.9740	-1.2	2.10E+07	0.52	Y	0.87	115
SS 1234689-HpCDF	41.76		1.0797	1.0797	0	1.58E+07	0.44	Y	0.87	121
AS 1368-TCDD	23.23		0.8733	0.8727	-1.0	1.96E+07	0.79	Y	1.00	83.2
AS 1368-TCDF	21.07		0.8479	0.8484	+0.7	3.65E+07	0.76	Y	1.20	89
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	122	125	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	161	163	Original Values	Corrected Values
Total HxCDD	2010	2010	Ratio 0.86	0.92
Total HpCDD	4600	4600	Response 1.87E+05	1.81E+05
Total Tetra-Octa Dioxins	13300	13300		
Total TCDF	162	163		
Total PeCDF	300	301		
Total HxCDF	1400	1400		
Total HpCDF	2930	2930		
Total Tetra-Octa Furans	5510	5520		
Total Tetra-Octa Dioxins & Furans	18900	18900		

SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

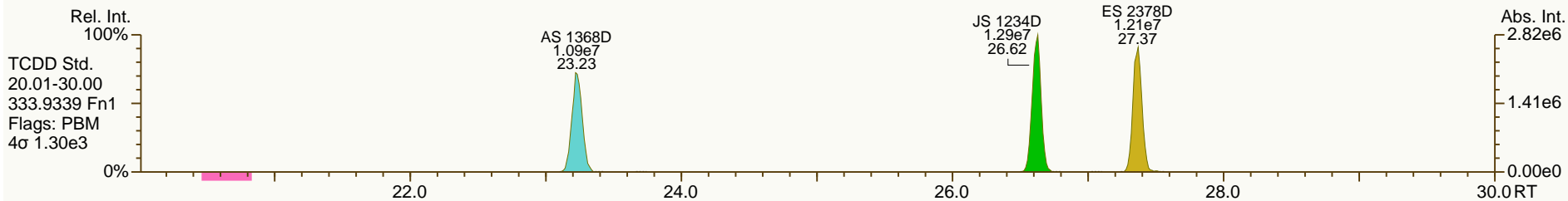
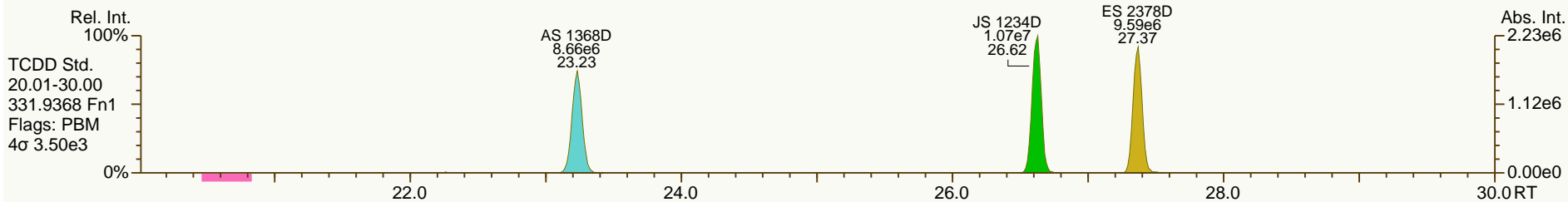
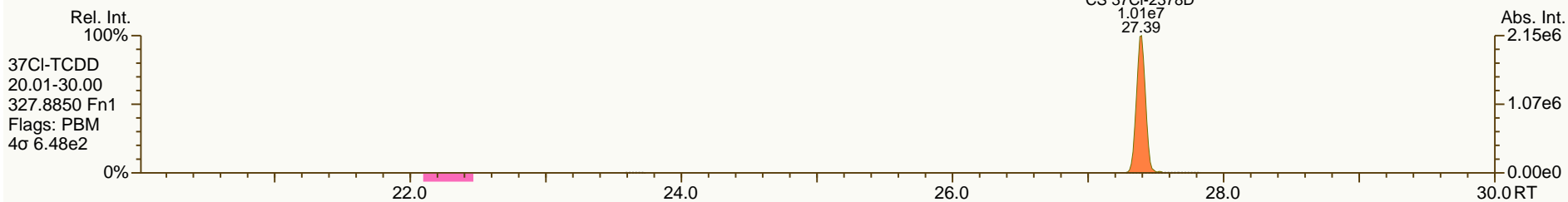
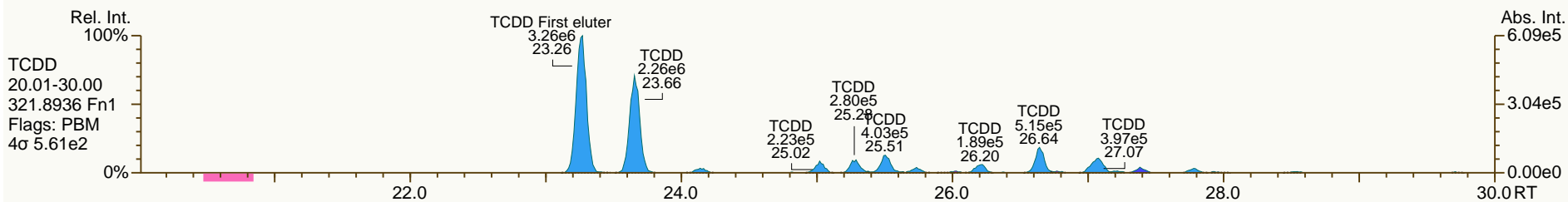
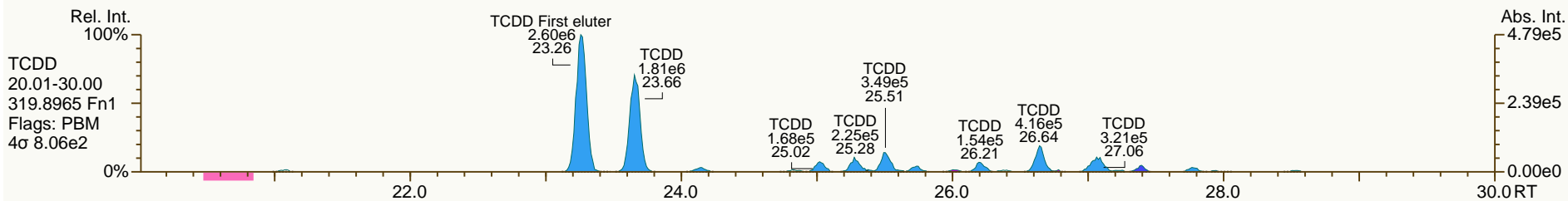
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SGS-AP ID: A5464_10910_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

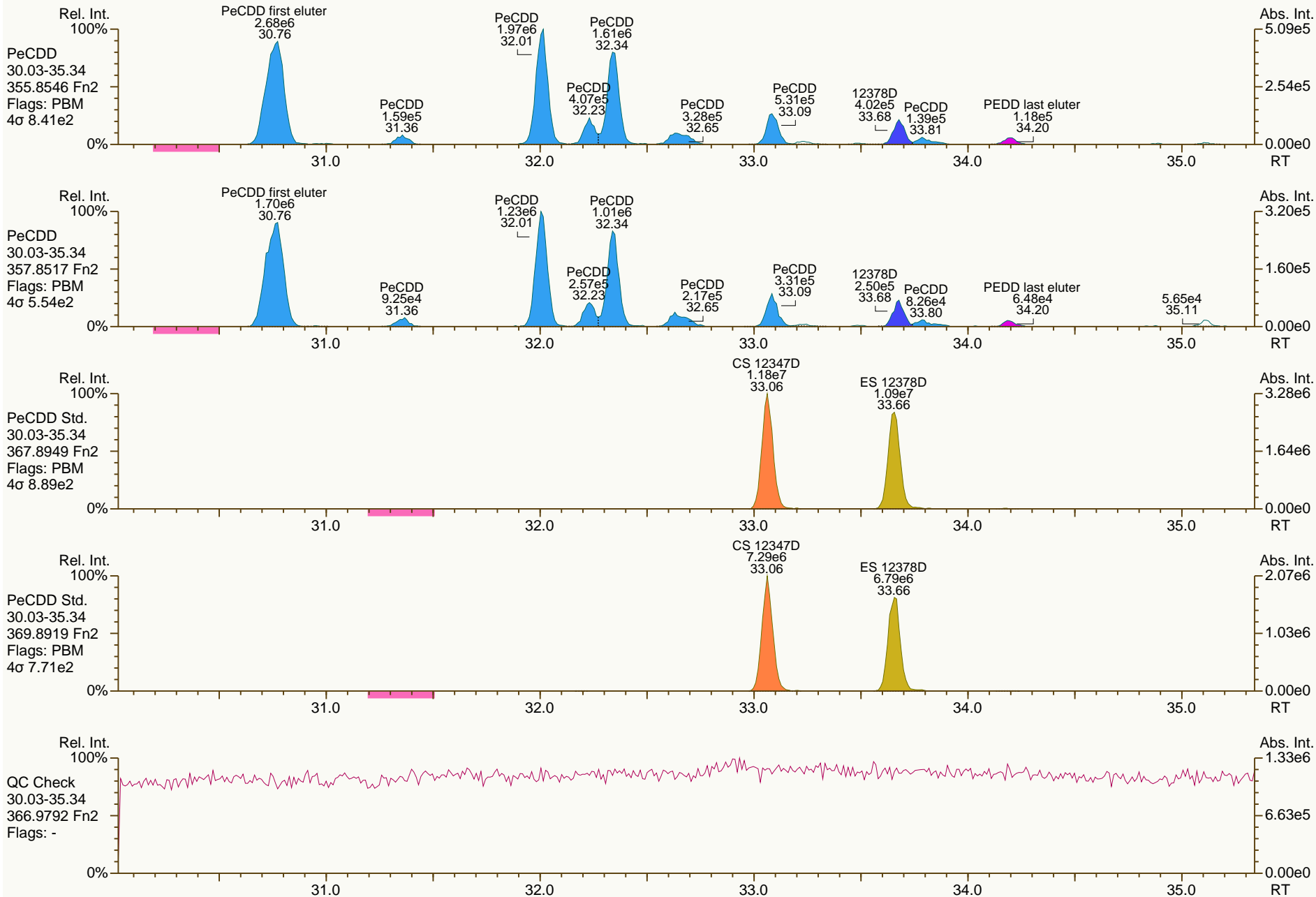
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

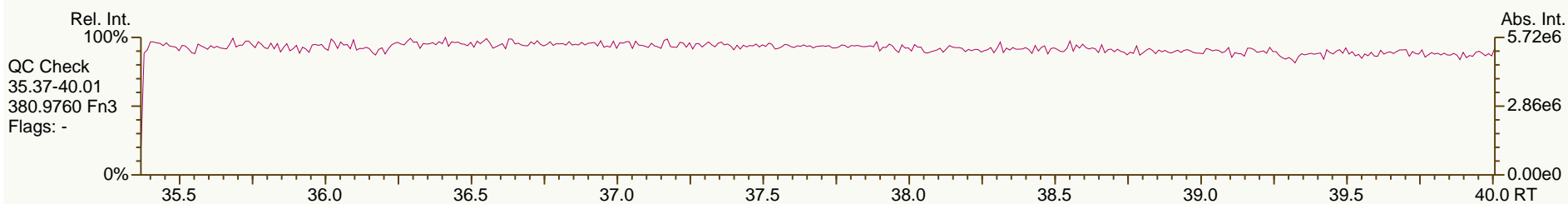
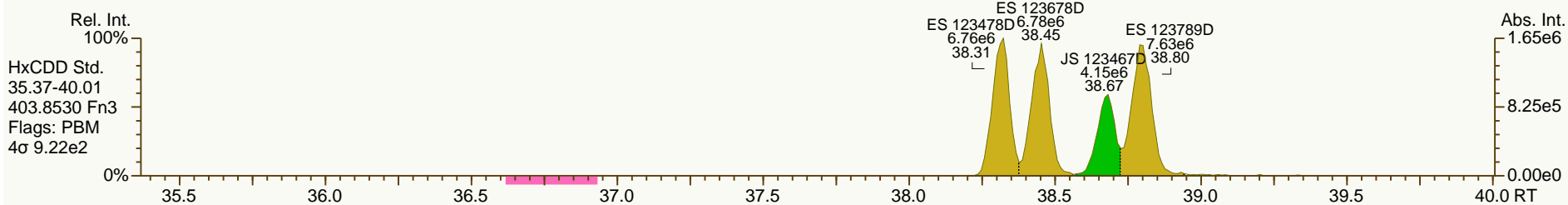
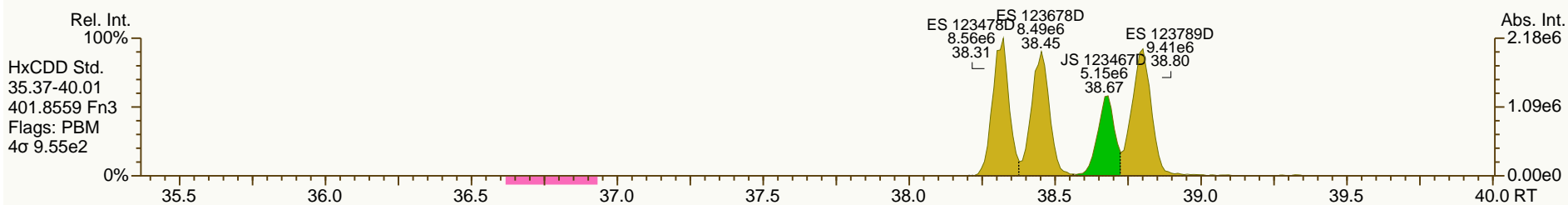
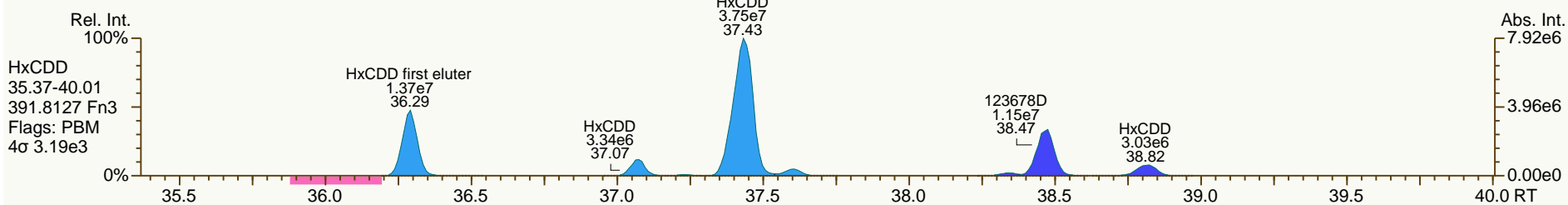
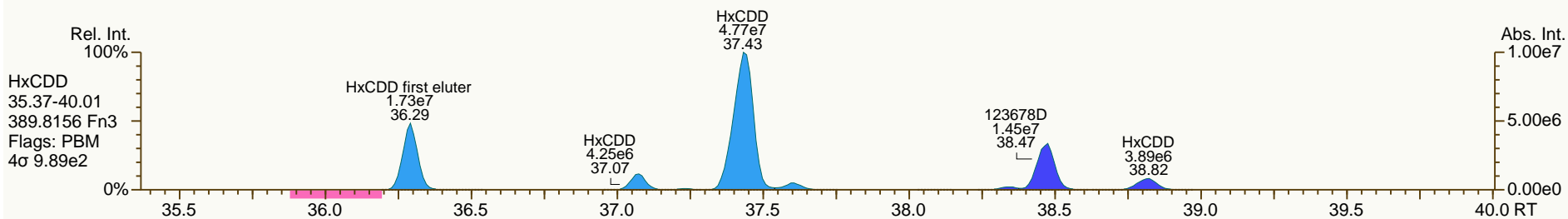
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SGS-AP ID: A5464_10910_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

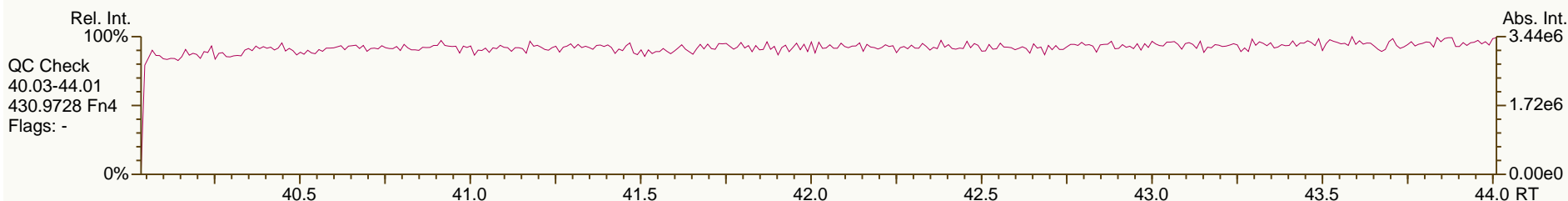
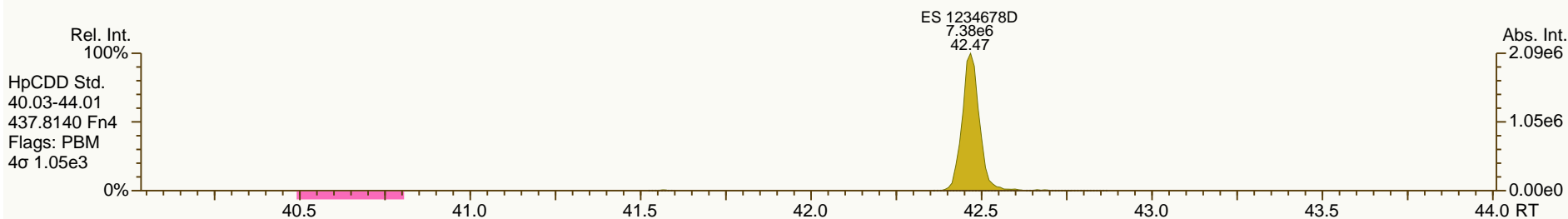
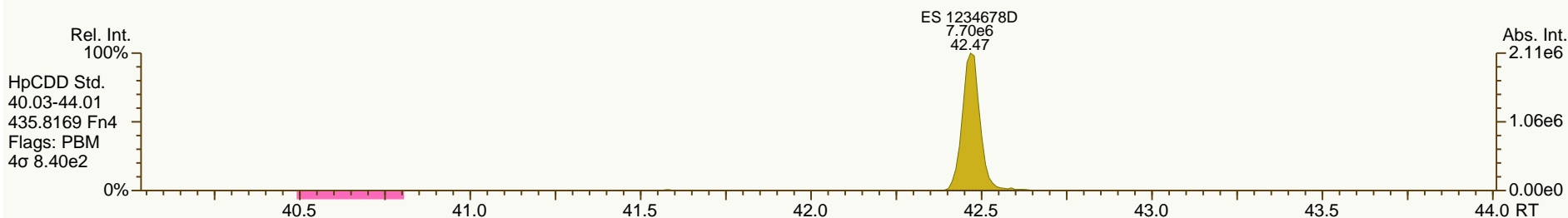
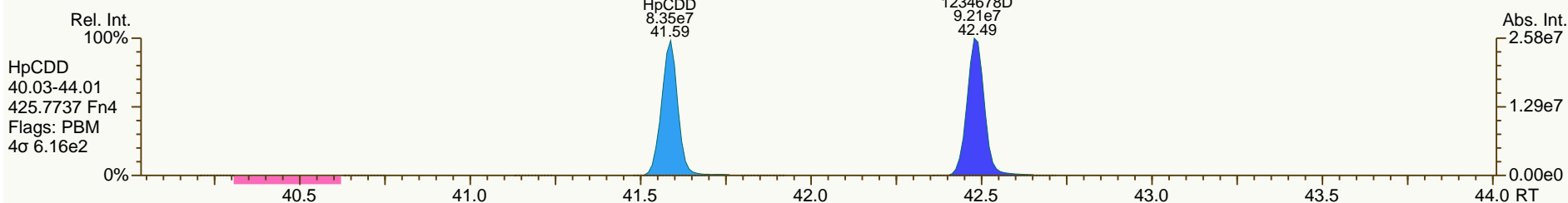
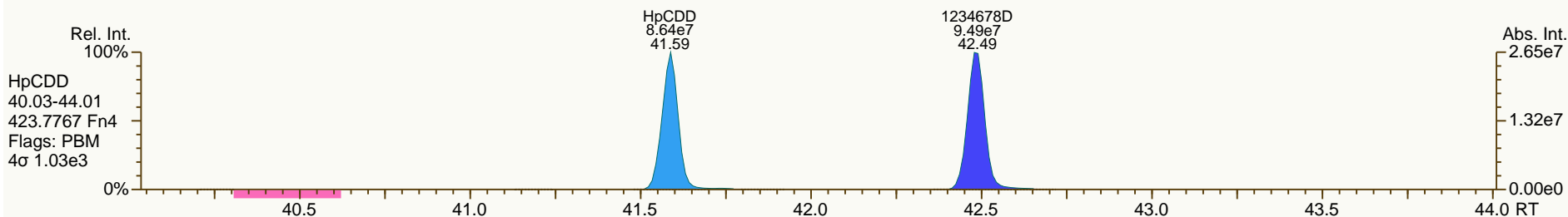
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

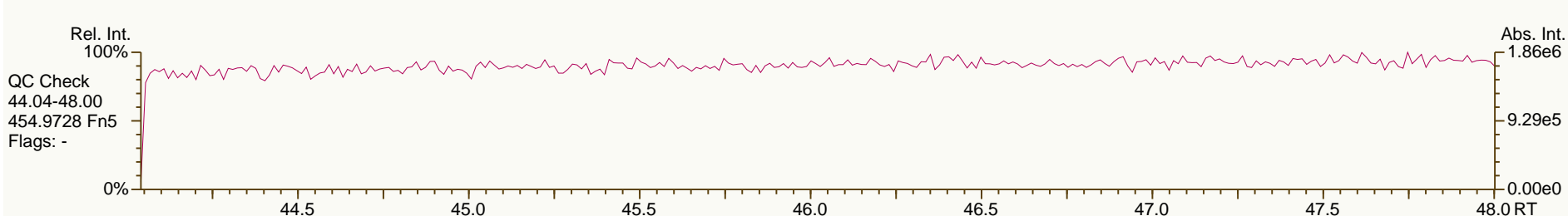
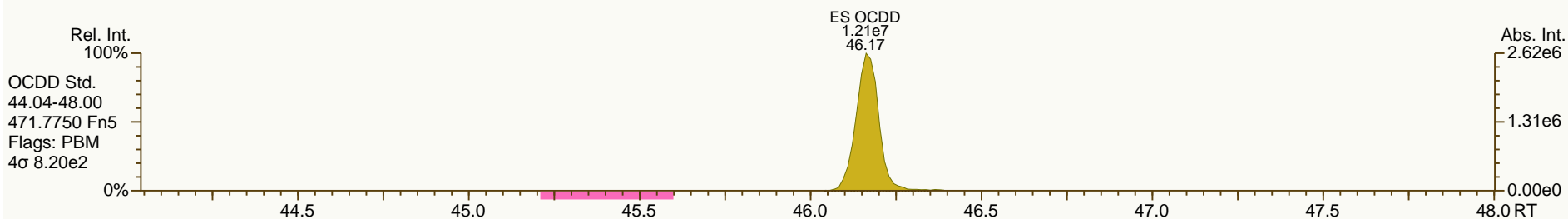
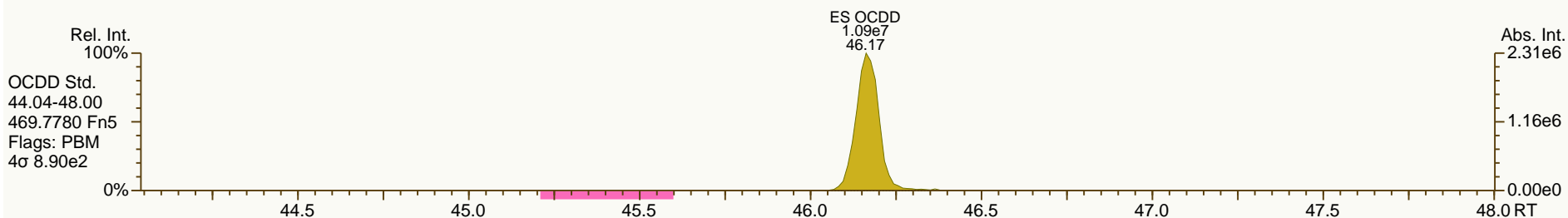
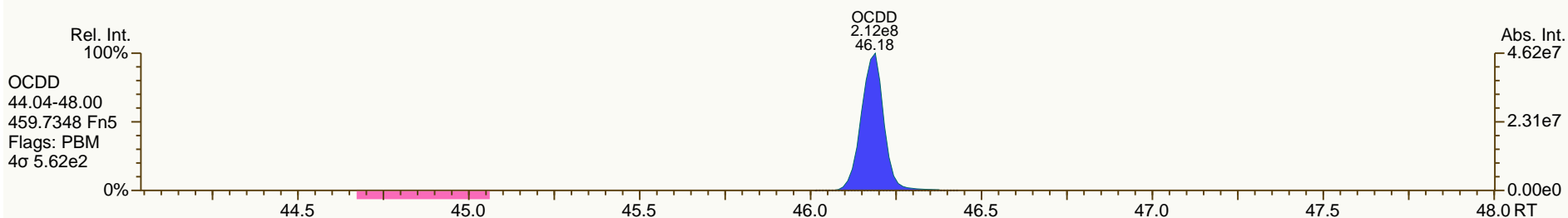
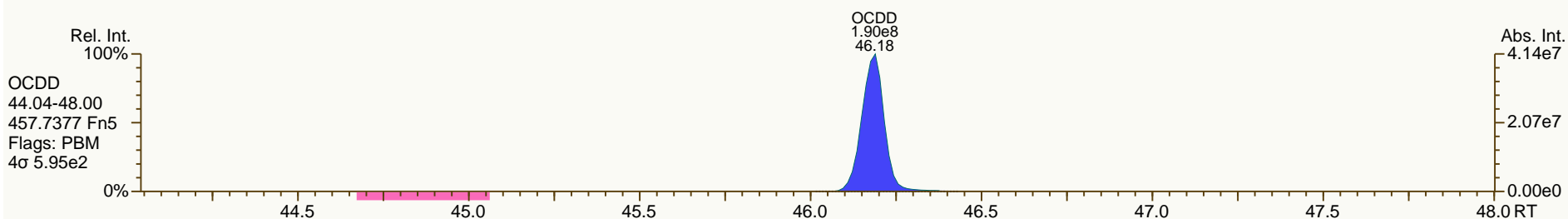
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User: MDC Datafile: 130511P3-06



SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

Acq: 12-MAY-2013 08:06:02
User: MDC Datafile: 130511P3-06



SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

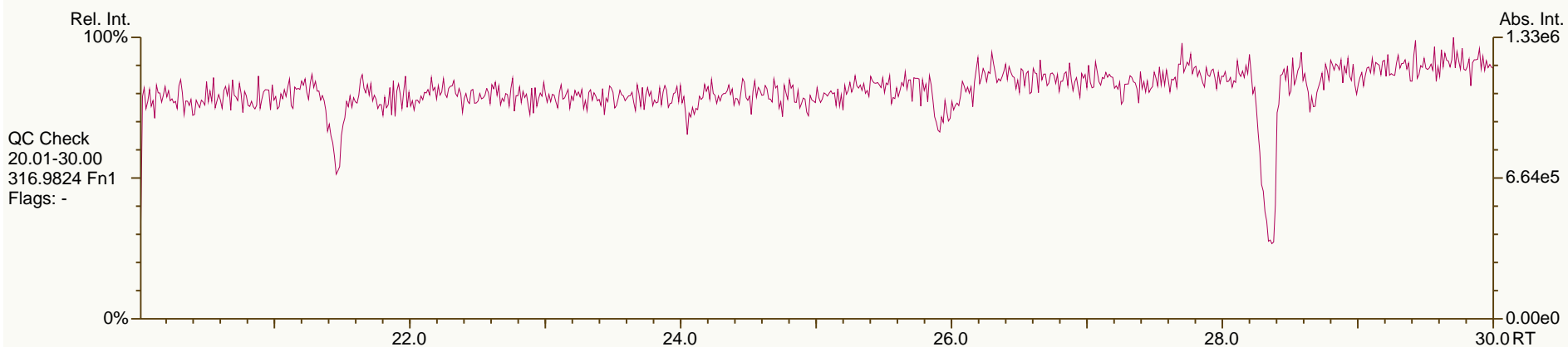
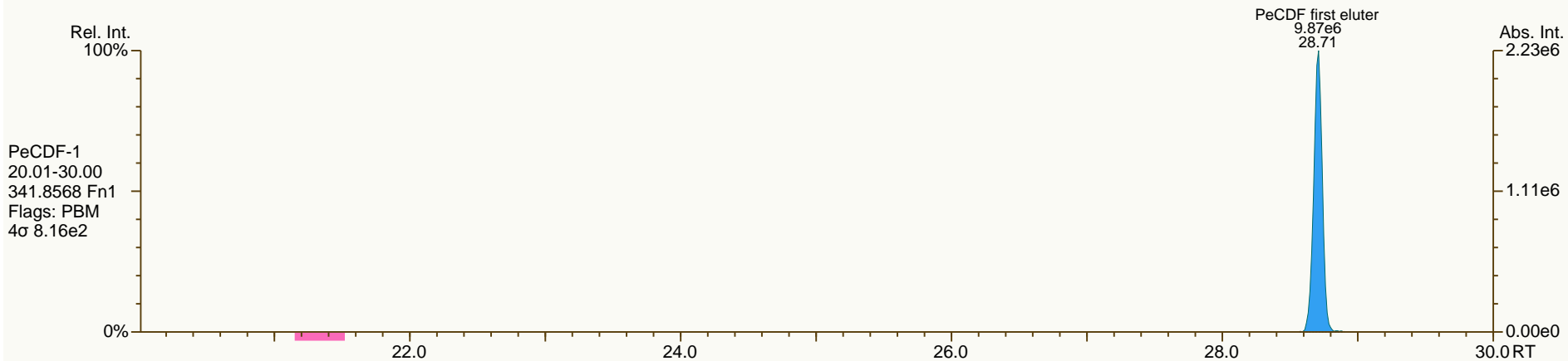
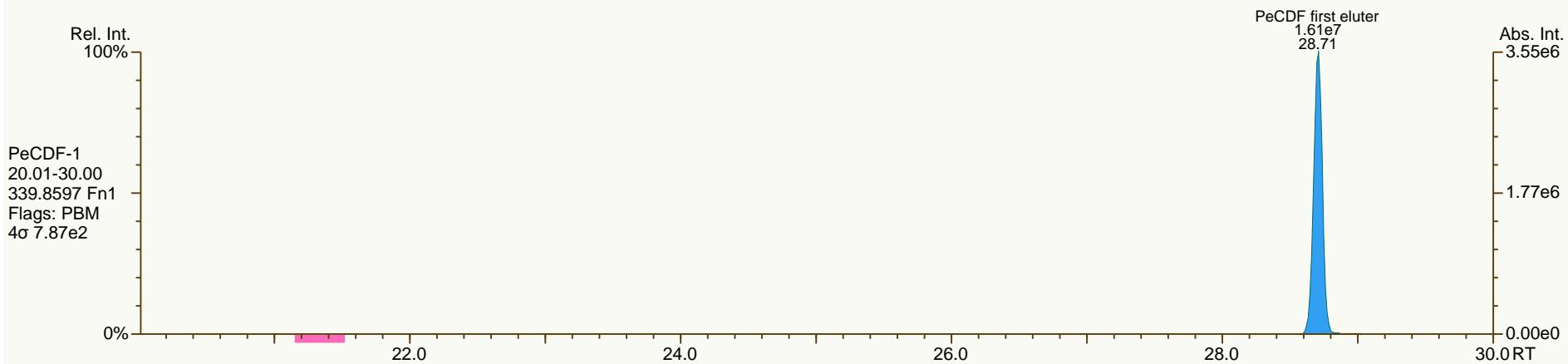
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SGS-AP ID: A5464_10910_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

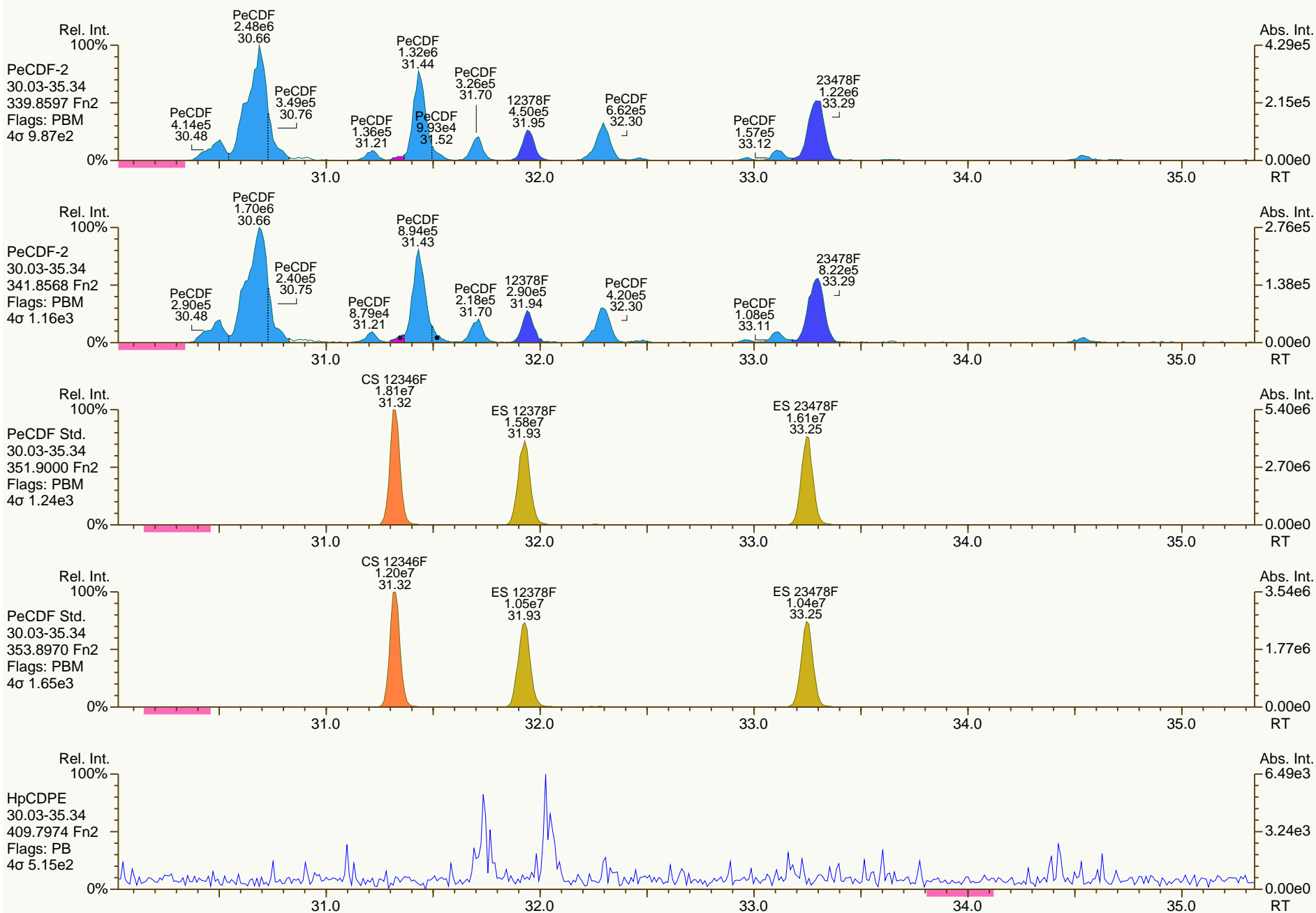
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Instr: AutoSpec-Ultima MM1

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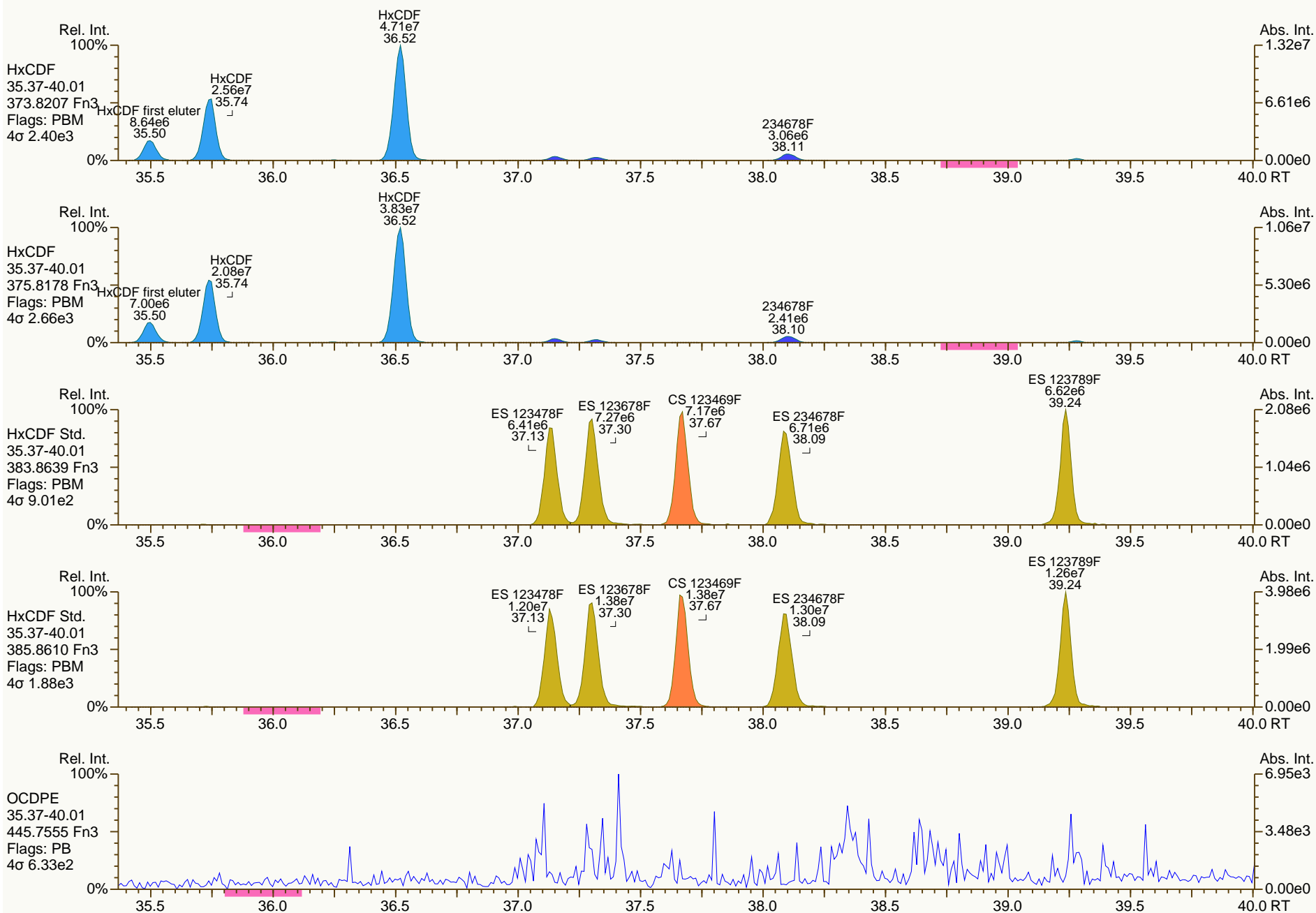
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

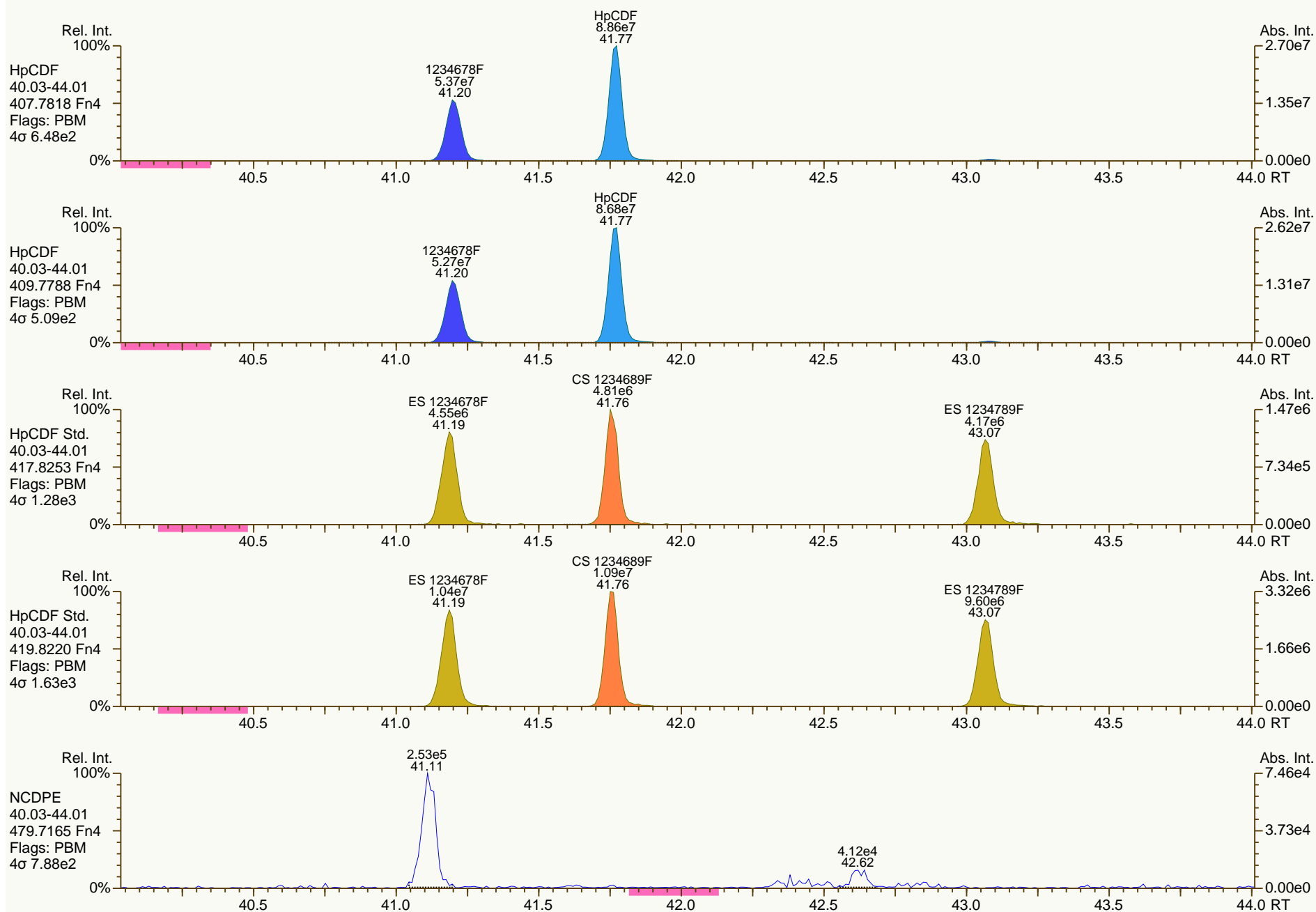
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

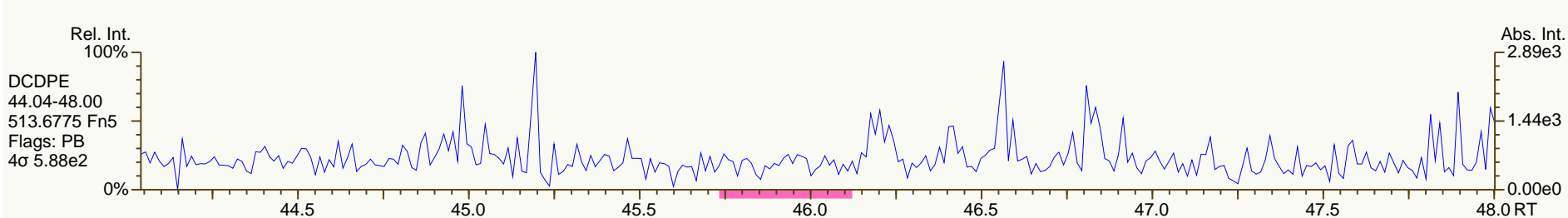
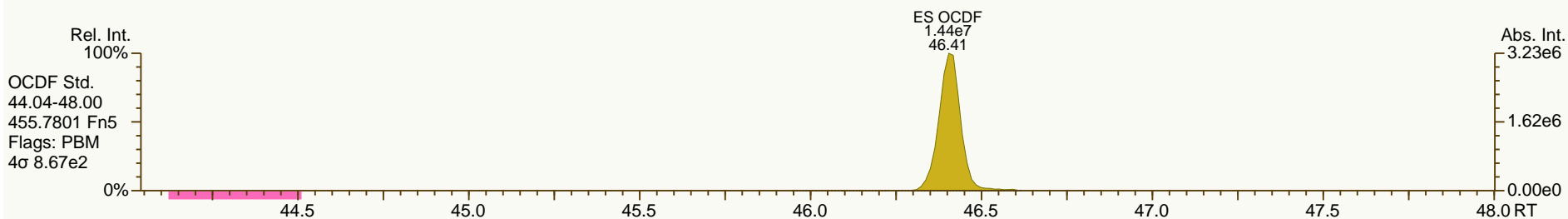
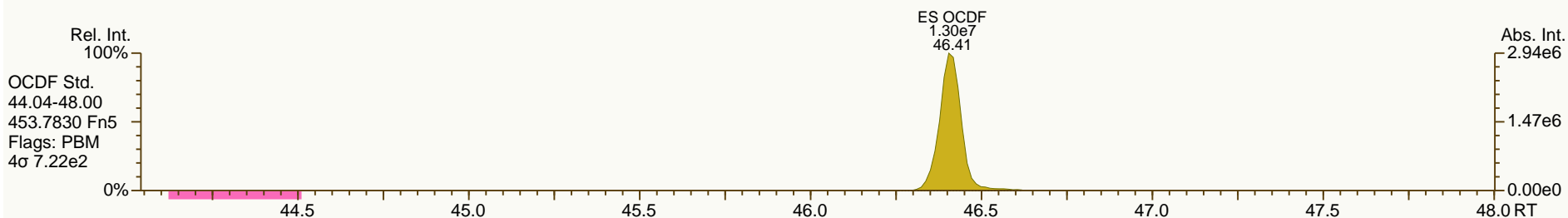
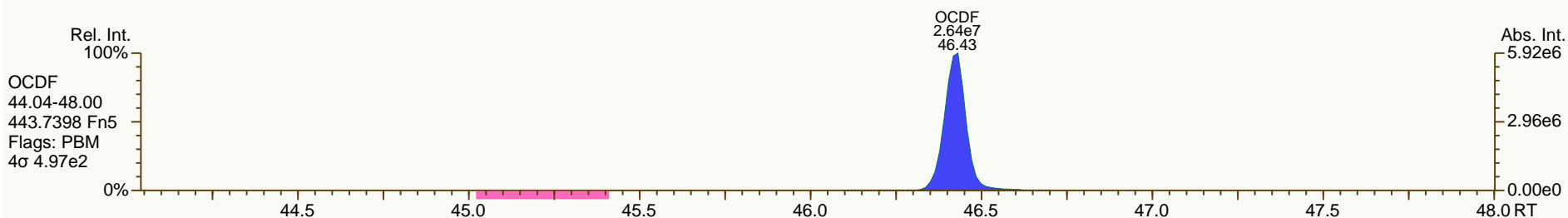
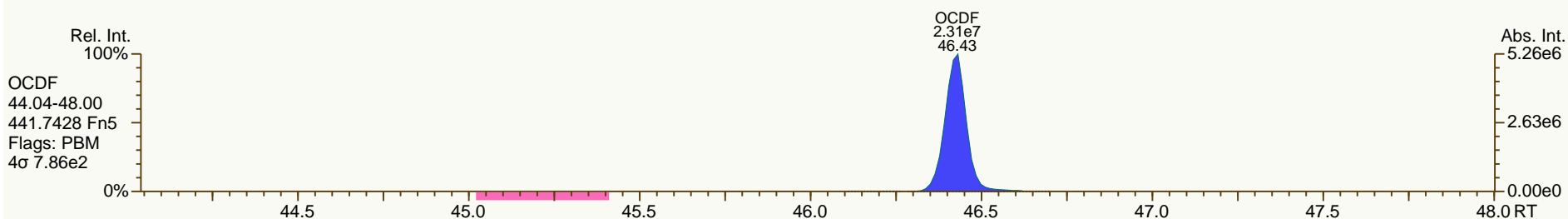
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SGS-AP ID: A5464_10910_DF_006
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-B-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 64

Acq: 12-MAY-2013 08:06:02
User: MDC Datafile: 130511P3-06



Lab ID: A5464_10910_DF_007

Acq'd: 12 May 2013 08:58 MDC

Wt/Vol: 10.13 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-C-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.494 pg/g Split: 1

Checkcode: 212-517-ZKM

Datafile: 130511P3-07

Report: 14 May 2013 13:32 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0010	0	1.74E+05	0.82	Y	1.06	2.43	1173	0.198
12378-PeCDD	33.70		1.0006	1.0006	0	2.23E+05	1.49	Y	0.94	4.28	1421	0.254
123478-HxCDD	38.35		1.0004	1.0005	+0.2	2.22E+05	1.22	Y	1.02	4.65	1545	0.281
123678-HxCDD	38.49		1.0039	1.0040	+0.2	2.43E+06	1.27	Y	1.04	50.4	1545	0.282
123789-HxCDD	38.83		1.0127	1.0129	+0.5	9.00E+05	1.28	Y	0.98	17.3	1545	0.291
1234678-HpCDD	42.50		1.0004	1.0004	0	1.72E+07	1.04	Y	1.02	370	1551	0.275
OCDD	46.20		1.0004	1.0003	-0.3	5.31E+07	0.89	Y	1.08	1,490	1039	0.291
2378-TCDF	26.40		1.0009	1.0009	0	1.28E+06	0.77	Y	0.97	14	1557	0.206
12378-PeCDF	31.96		1.0006	1.0006	0	3.53E+05	1.40	Y	1.00	4.46	1658	0.209
23478-PeCDF	33.31		1.0006	1.0011	+1.0	6.69E+05	1.50	Y	0.96	8.72	1658	0.215
123478-HxCDF	37.17		1.0005	1.0005	0	3.20E+05	1.25	Y	1.23	4.6	2000	0.239
123678-HxCDF	37.34		1.0005	1.0006	+0.2	2.73E+05	1.13	Y	1.14	3.82	2000	0.253
234678-HxCDF	38.12		1.0005	1.0004	-0.2	4.45E+05	1.21	Y	1.14	6.44	2000	0.26
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	2000	0.236
1234678-HpCDF	41.22		1.0004	1.0004	0	5.44E+06	1.02	Y	1.34	90.1	1404	0.198
1234789-HpCDF	43.10		1.0004	1.0004	0	2.05E+05	0.91	Y	1.30	3.59	1404	0.218
OCDF	46.44		1.0004	1.0003	-0.3	5.46E+06	0.87	Y	1.00	127	1177	0.298

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37	1.0280	1.0282	+0.3	1.33E+07	0.81	Y	1.01	90
ES 12378-PeCDD	33.68	1.2634	1.2651	+2.7	1.10E+07	1.63	Y	0.90	83.5
ES 123478-HxCDD	38.33	0.9909	0.9908	-0.2	9.19E+06	1.26	Y	0.99	84
ES 123678-HxCDD	38.47	0.9944	0.9943	-0.2	9.17E+06	1.27	Y	1.02	81.3
ES 123789-HxCDD	38.81	1.0031	1.0031	0	1.05E+07	1.27	Y	1.12	85.3
ES 1234678-HpCDD	42.49	1.0981	1.0981	0	8.96E+06	1.04	Y	0.90	90
ES OCDD	46.18	1.1942	1.1938	-0.9	1.31E+07	0.90	Y	0.74	80
ES 2378-TCDF	26.38	1.0616	1.0627	+1.6	1.86E+07	0.76	Y	1.05	82
ES 12378-PeCDF	31.94	1.2843	1.2869	+3.9	1.57E+07	1.54	Y	0.88	82.9
ES 23478-PeCDF	33.27	1.3372	1.3403	+4.6	1.57E+07	1.56	Y	0.91	80.2
ES 123478-HxCDF	37.15	0.9607	0.9603	-0.9	1.11E+07	0.52	Y	1.25	80.8
ES 123678-HxCDF	37.32	0.9650	0.9646	-0.9	1.24E+07	0.53	Y	1.40	80.5
ES 234678-HxCDF	38.11	0.9852	0.9850	-0.5	1.19E+07	0.52	Y	1.29	83.6
ES 123789-HxCDF	39.24	1.0139	1.0144	+1.2	1.12E+07	0.53	Y	1.17	87.4
ES 1234678-HpCDF	41.20	1.0651	1.0650	-0.2	8.89E+06	0.44	Y	1.03	78.4
ES 1234789-HpCDF	43.09	1.1137	1.1137	0	8.71E+06	0.43	Y	0.89	89.1
ES OCDF	46.43	1.2004	1.2000	-0.9	1.69E+07	0.88	Y	1.00	76.8

Lab ID: A5464_10910_DF_007

Acq'd: 12 May 2013 08:58 MDC

Wt/Vol: 10.13 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC27-C-130429

UTP: 14-May-2013 13:27 MDC

J-level: 0.494 pg/g

Split: 1

Checkcode: 212-517-ZKM

Datafile: 130511P3-07

Report: 14 May 2013 13:32 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

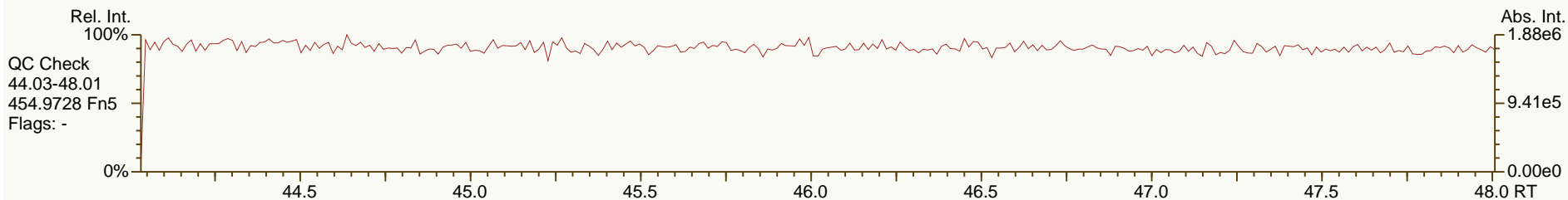
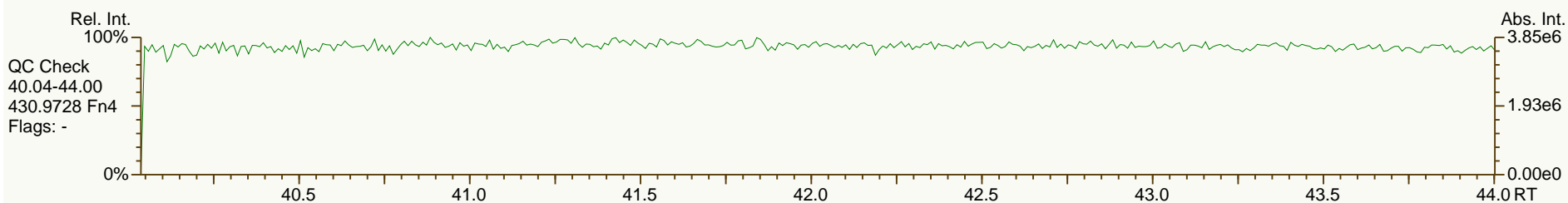
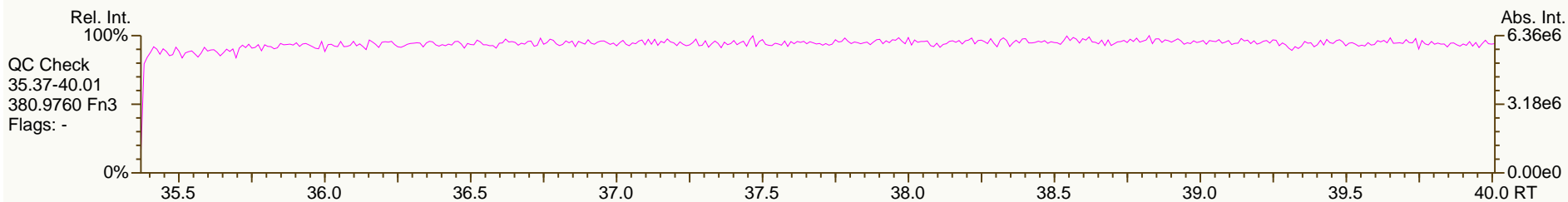
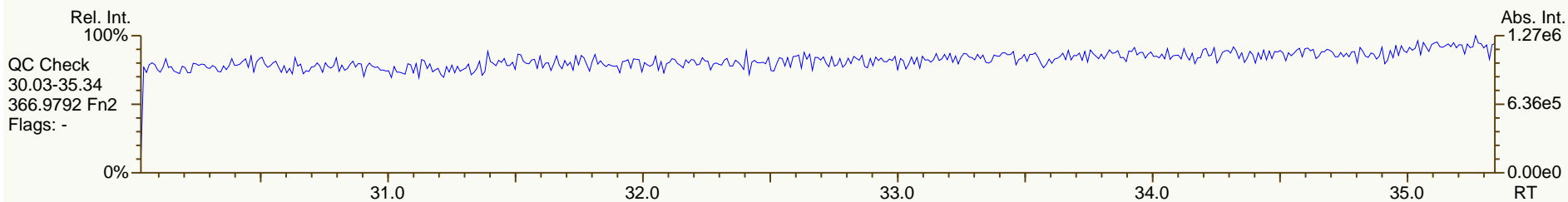
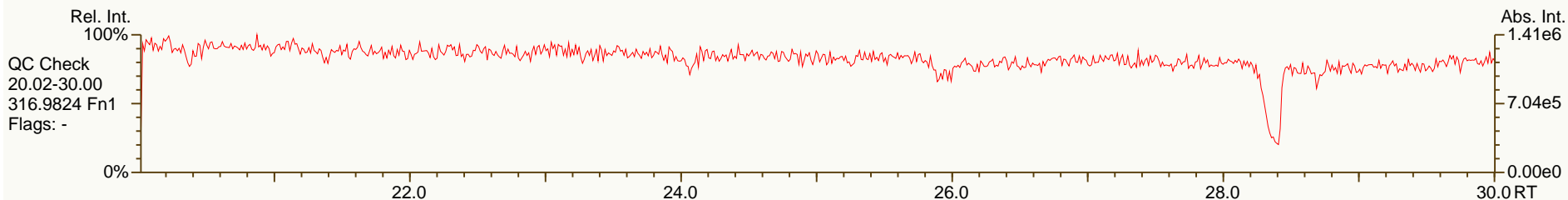
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JS 1234-TCDD	26.62		-	-	-	1.46E+07	0.81	Y	-	-
JS 1234-TCDF	24.82		-	-	-	2.15E+07	0.78	Y	-	-
JS 123467-HxCDD	38.69		-	-	-	5.51E+06	1.34	Y	-	-
CS 37Cl-2378-TCDD	27.40		1.0289	1.0292	+0.5	6.45E+06	n/a	-	1.10	100
CS 12347-PeCDD	33.09		1.2412	1.2428	+2.6	1.10E+07	1.58	Y	0.79	94.9
CS 12346-PeCDF	31.33		1.2593	1.2623	+4.5	1.81E+07	1.53	Y	0.87	97
CS 123469-HxCDF	37.69		0.9745	0.9741	-0.9	1.28E+07	0.54	Y	1.21	95.6
CS 1234689-HpCDF	41.77		1.0797	1.0797	0	9.00E+06	0.43	Y	0.89	91.3
SS 37Cl-2378-TCDD	27.40		1.0289	1.0292	+0.5	6.45E+06	n/a	-	1.09	111
SS 12347-PeCDD	33.09		1.2412	1.2428	+2.6	1.10E+07	1.58	Y	0.89	113
SS 12346-PeCDF	31.33		1.2593	1.2623	+4.5	1.81E+07	1.53	Y	0.99	117
SS 123469-HxCDF	37.69		0.9745	0.9741	-0.9	1.28E+07	0.54	Y	0.87	118
SS 1234689-HpCDF	41.77		1.0797	1.0797	0	9.00E+06	0.43	Y	0.87	116
AS 1368-TCDD	23.21		0.8733	0.8719	-2.2	1.12E+07	0.79	Y	1.00	76.6
AS 1368-TCDF	21.03		0.8479	0.8473	-0.9	2.17E+07	0.78	Y	1.20	84.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC			
Total TCDD	190	190	* 37Cl correction has been applied to 2378-TCDD		
Total PeCDD	155	157	Original Values		Corrected Values
Total HxCDD	403	403	Ratio	0.79	0.82
Total HpCDD	709	709	Response	1.78E+05	1.74E+05
Total Tetra-Octa Dioxins	2940	2950			
Total TCDF	217	220			
Total PeCDF	111	114			
Total HxCDF	134	134			
Total HpCDF	249	250			
Total Tetra-Octa Furans	838	845			
Total Tetra-Octa Dioxins & Furans	3780	3790			

SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

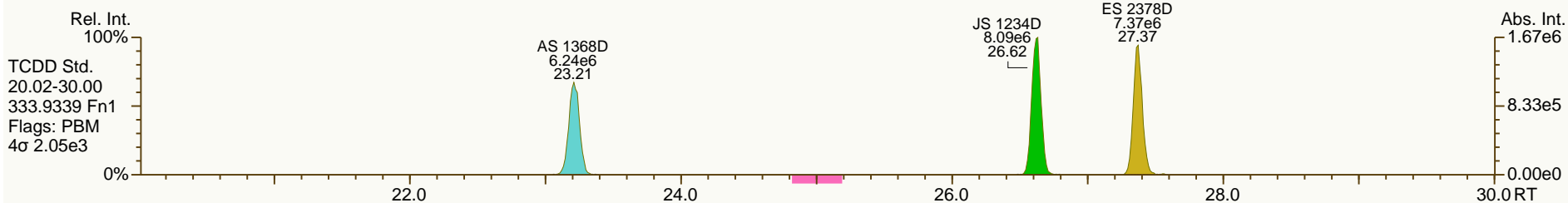
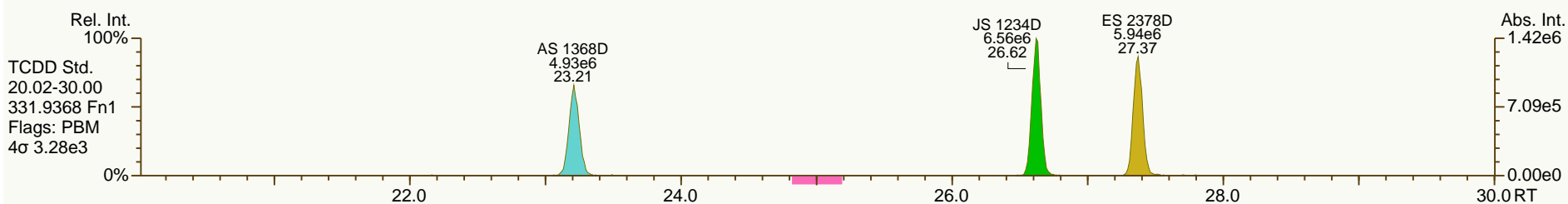
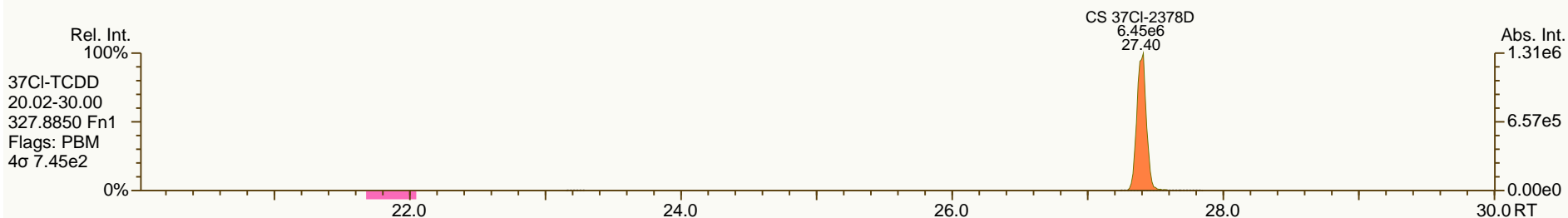
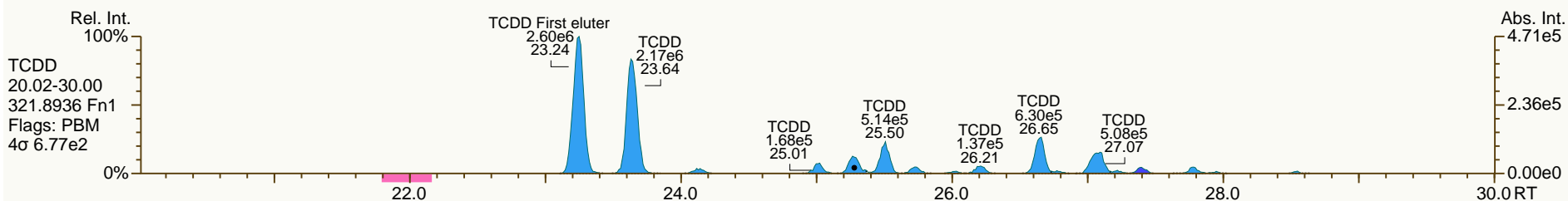
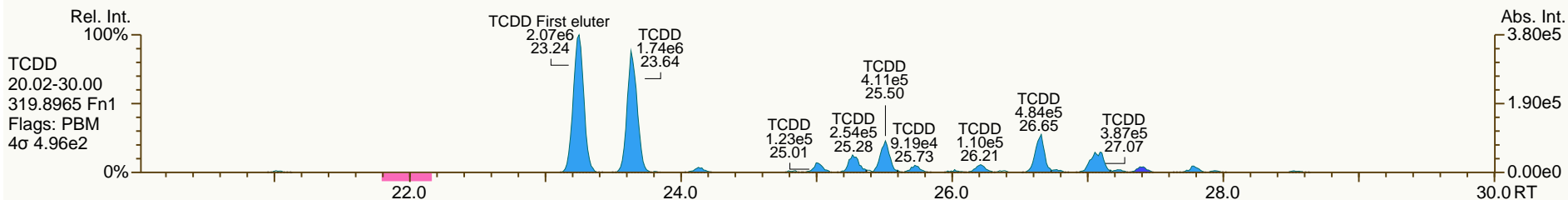
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

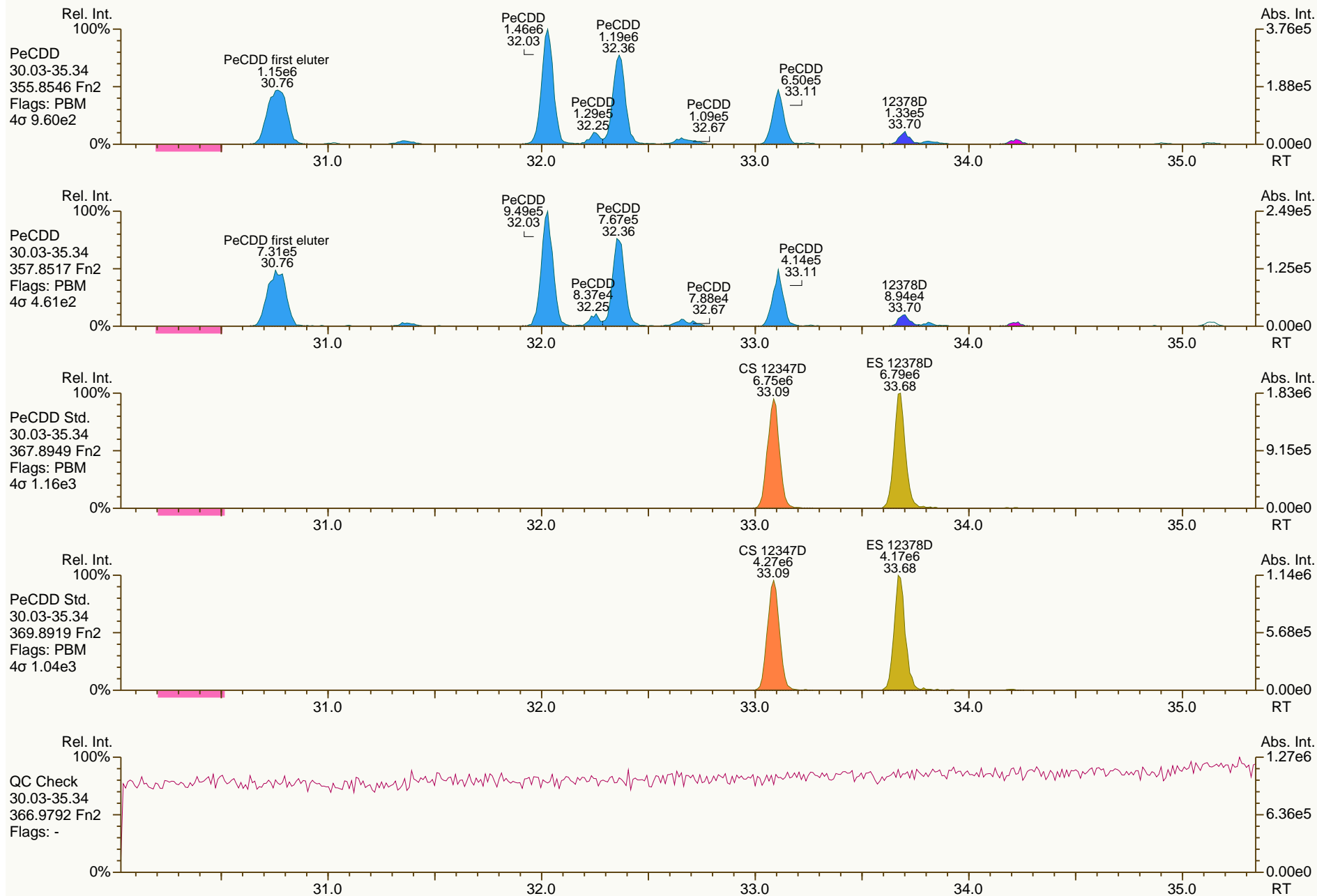
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

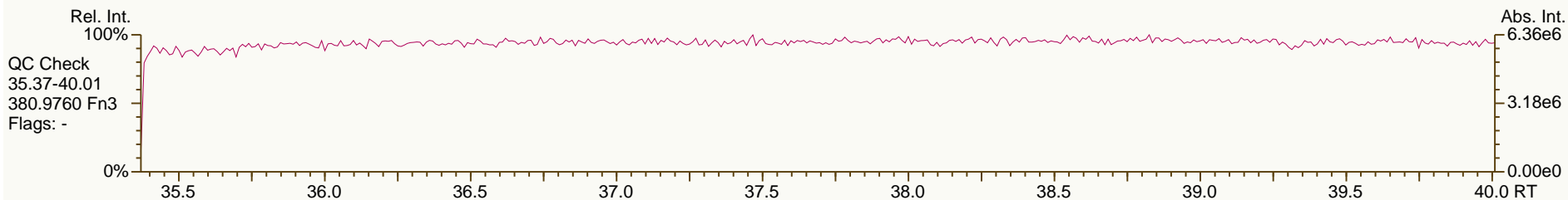
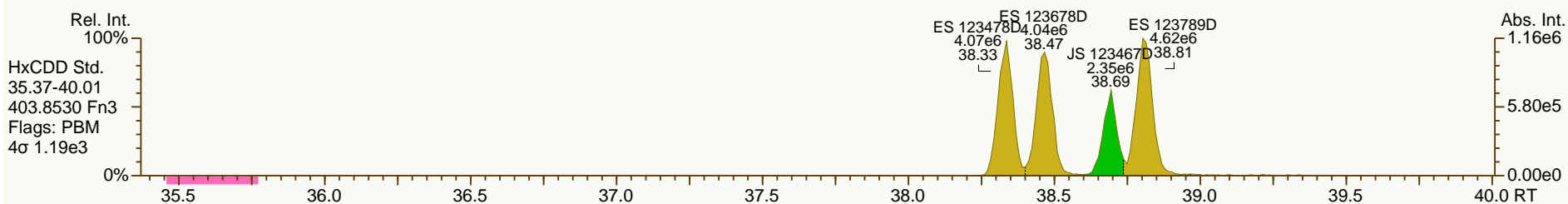
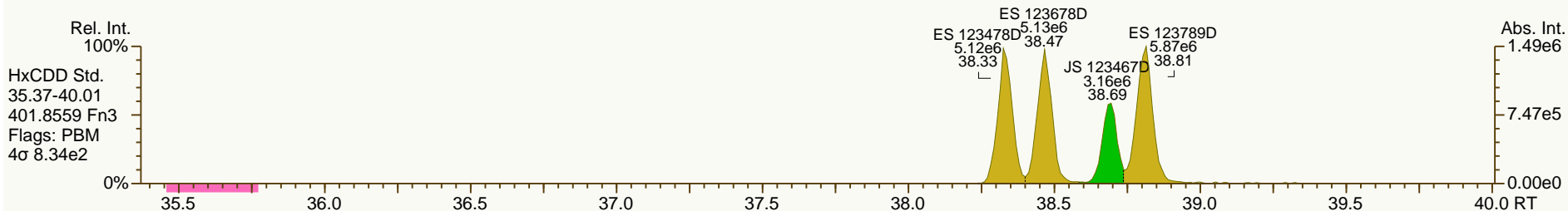
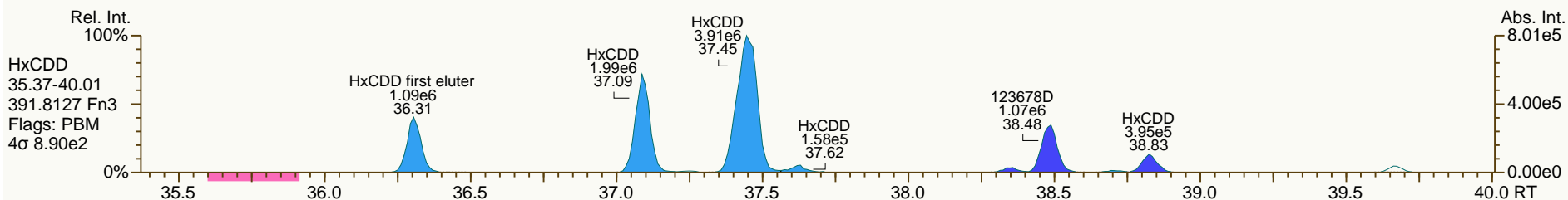
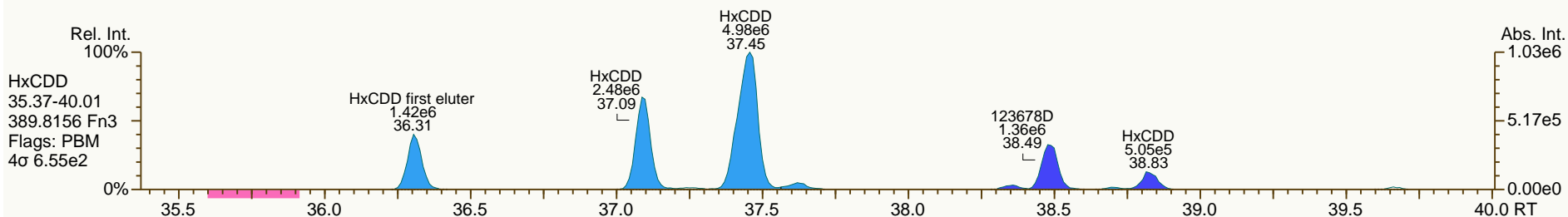
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

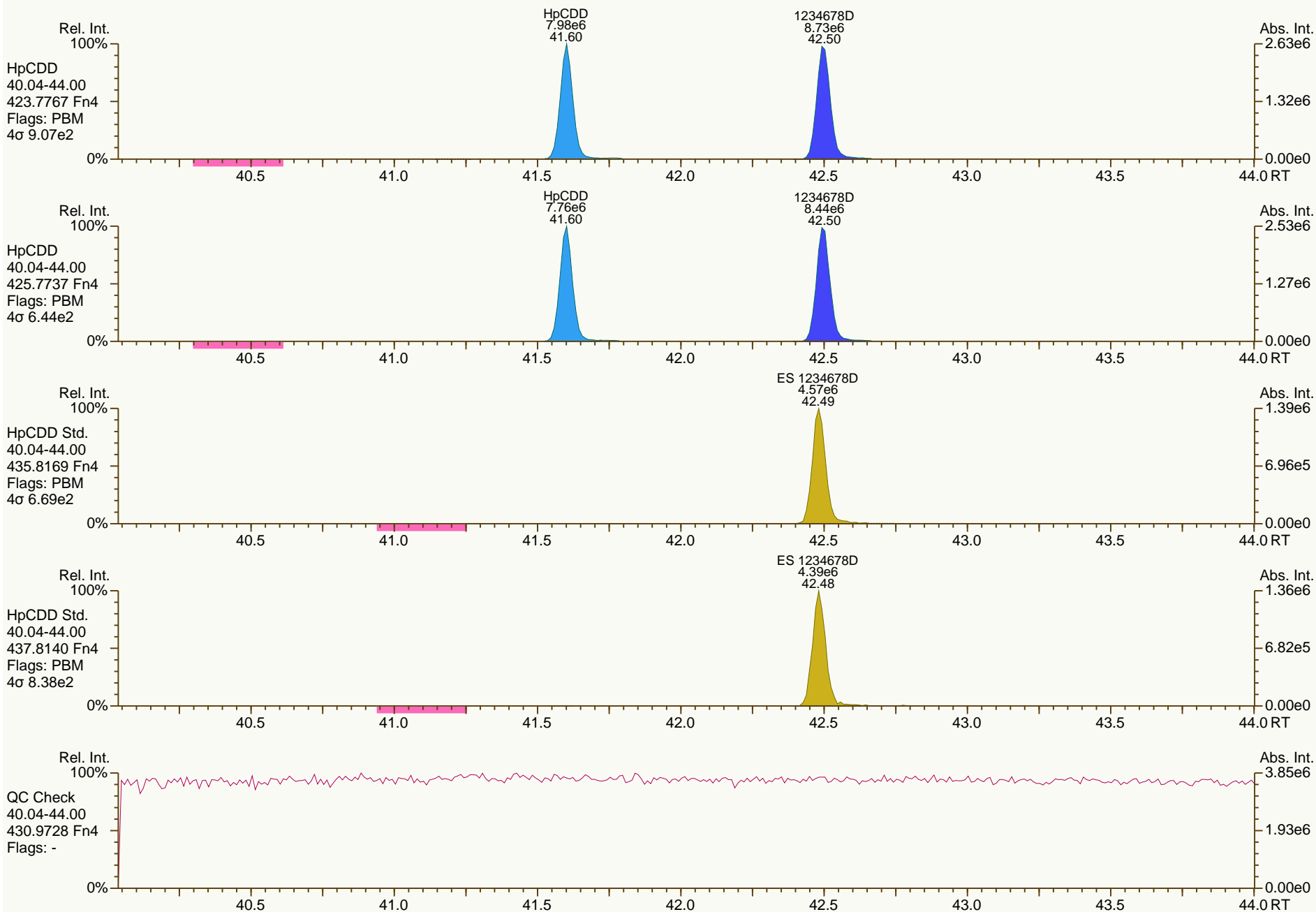
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

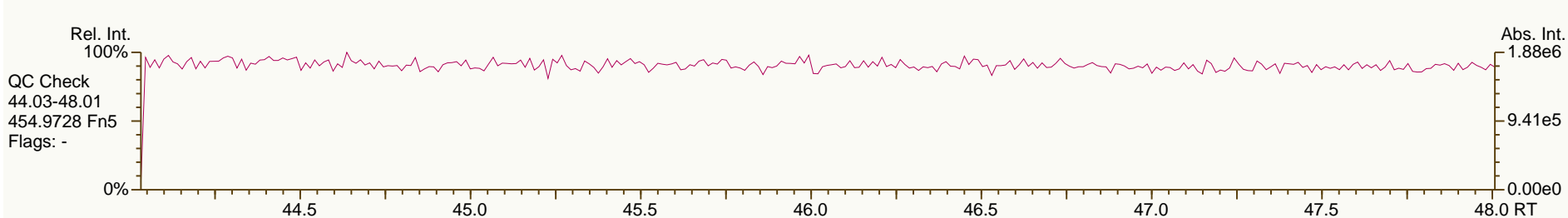
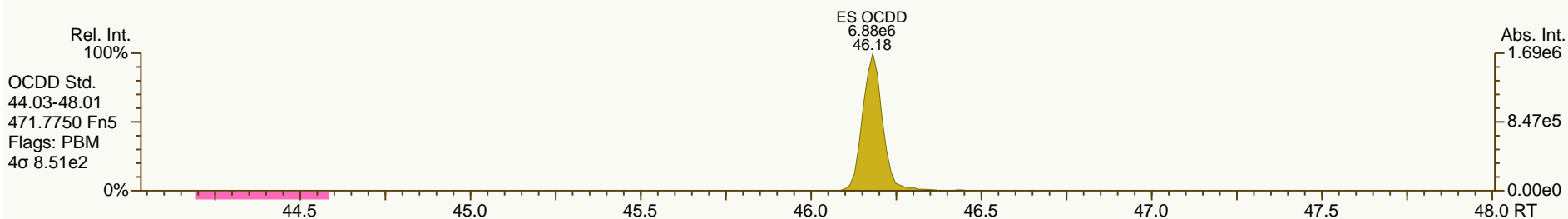
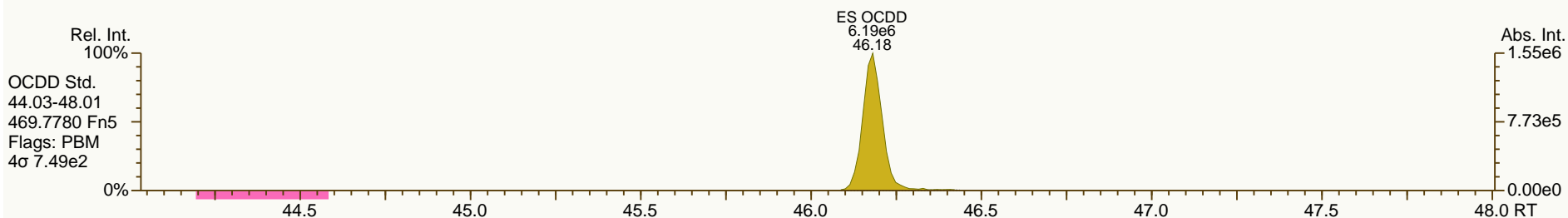
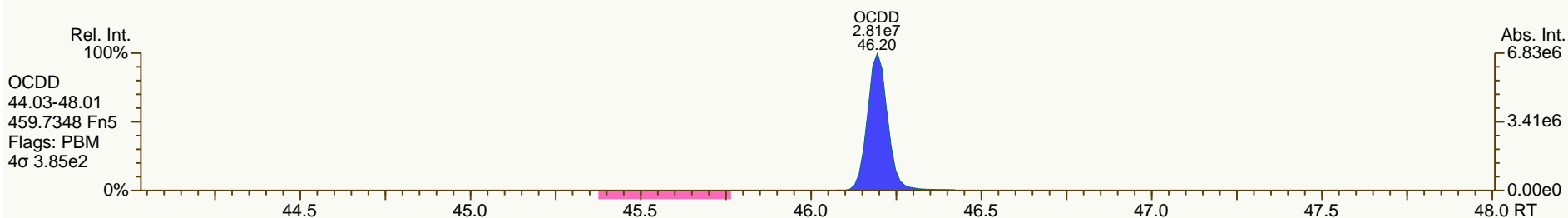
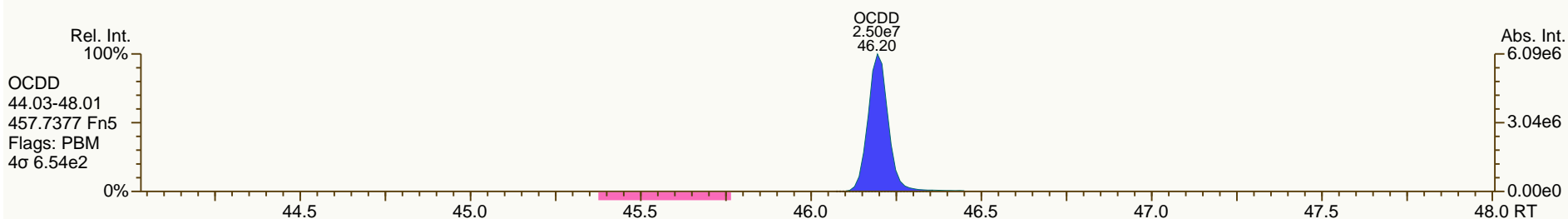
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

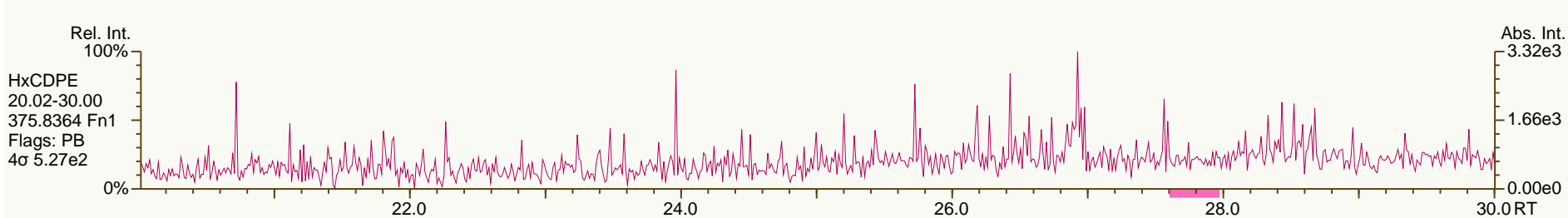
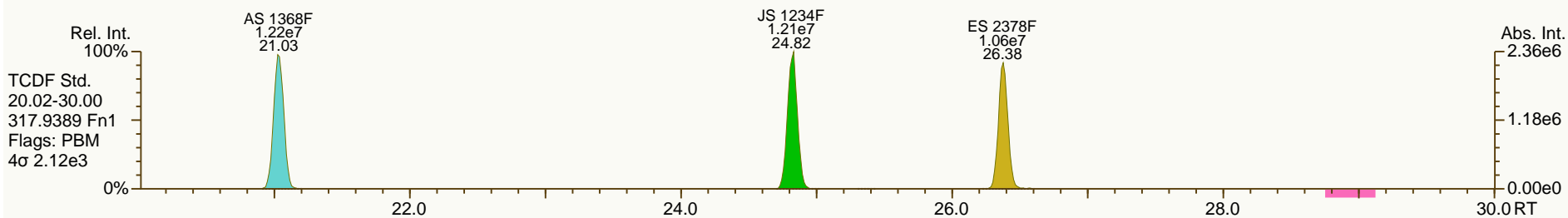
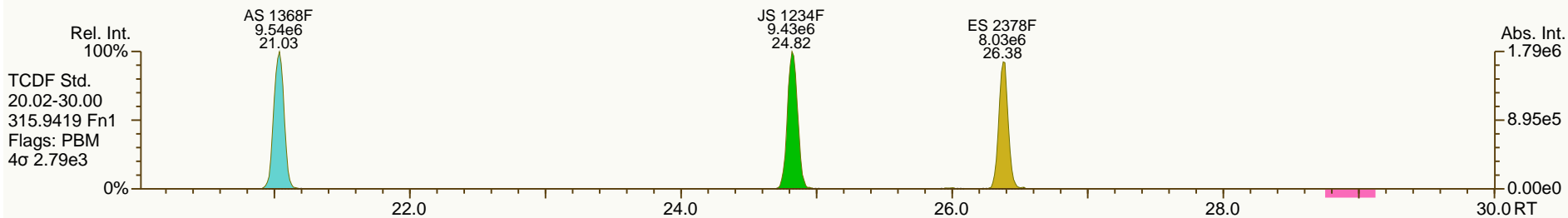
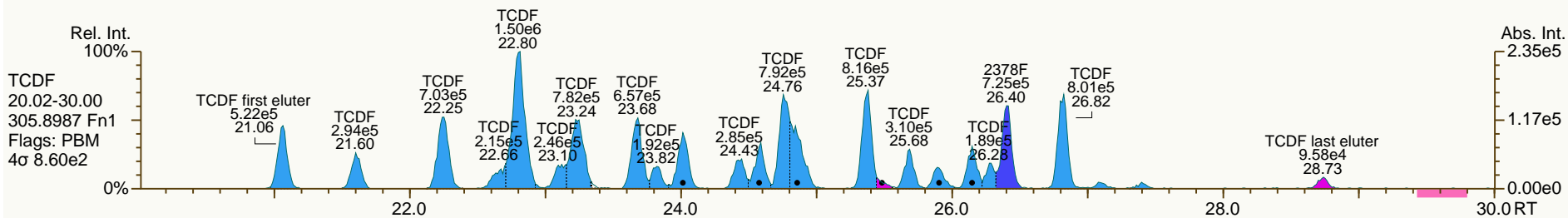
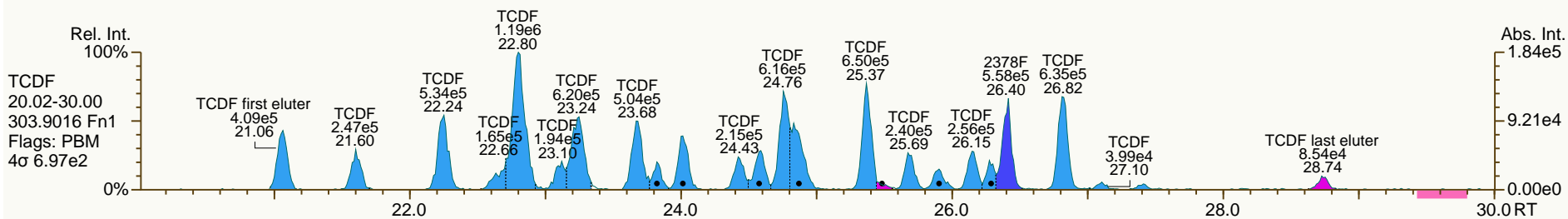
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SGS-AP ID: A5464_10910_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

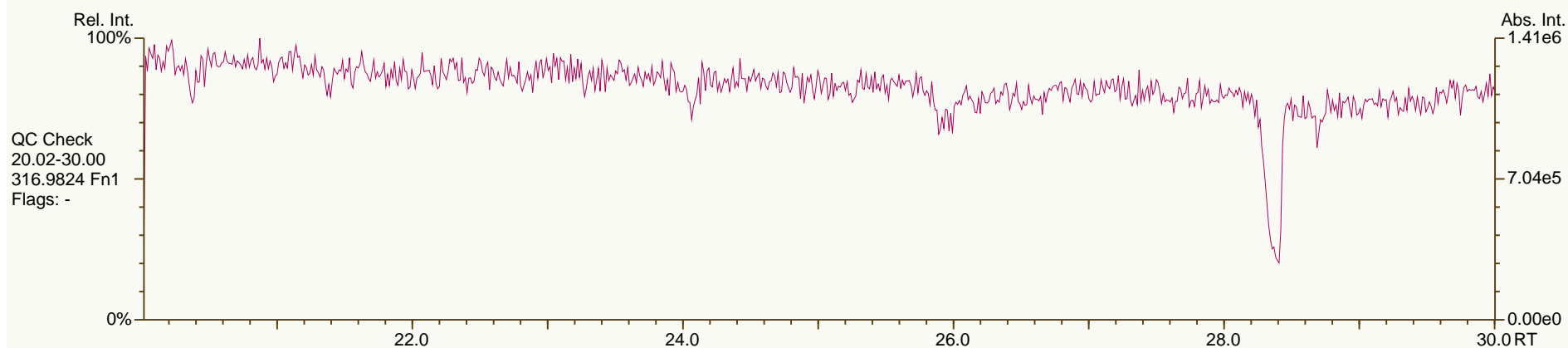
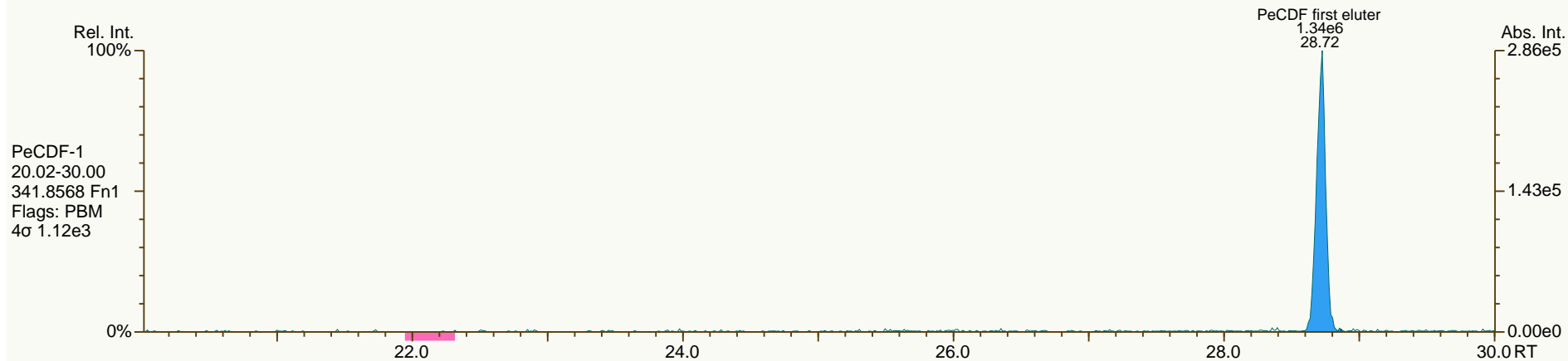
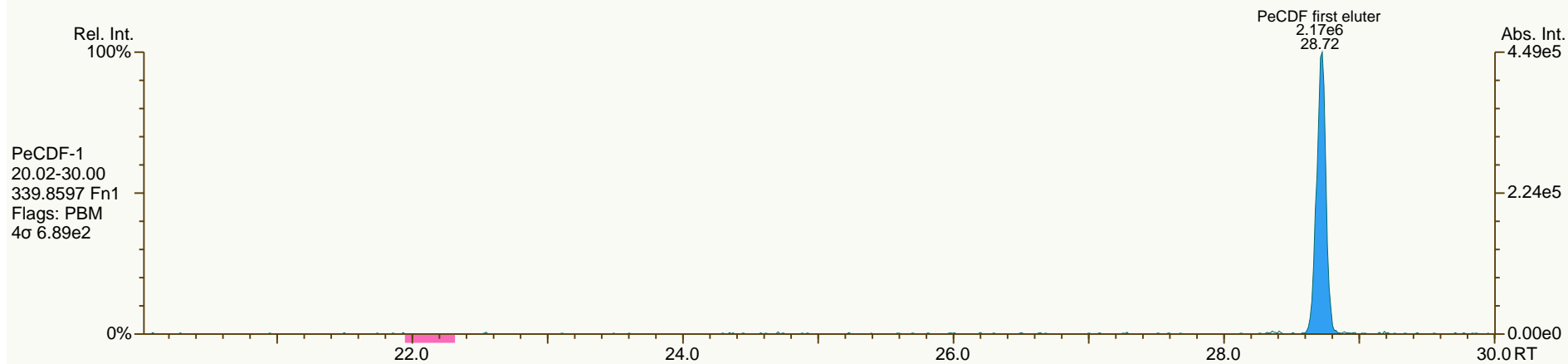
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 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

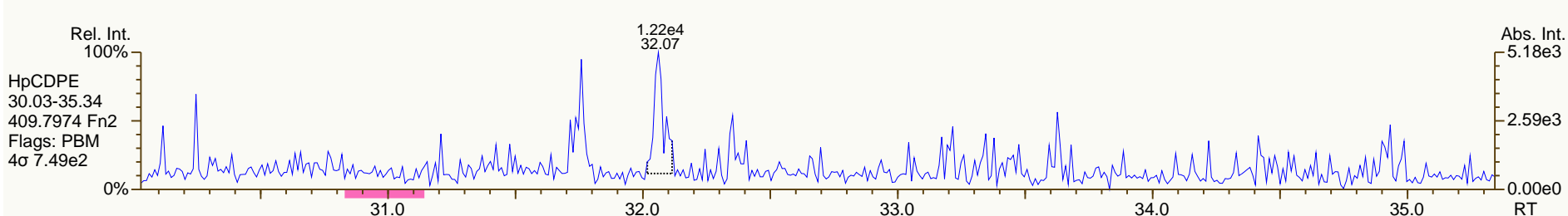
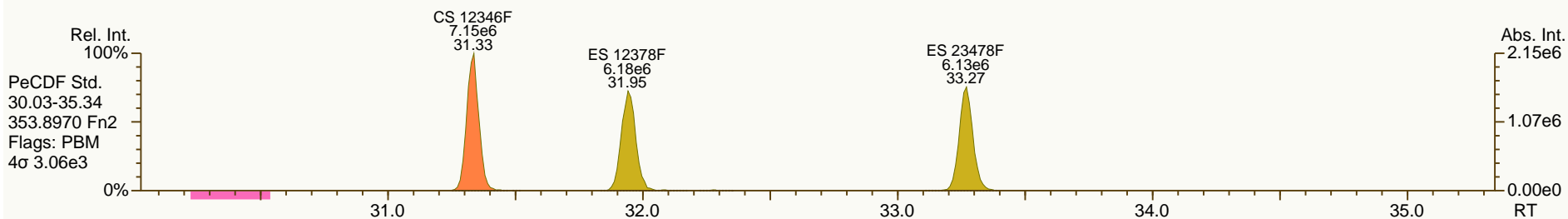
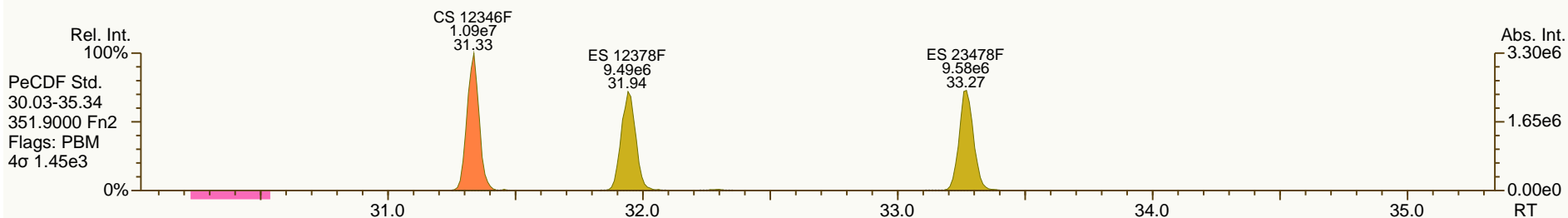
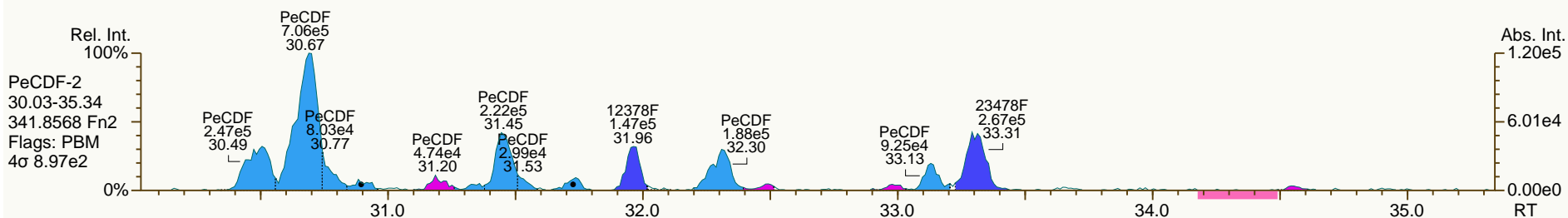
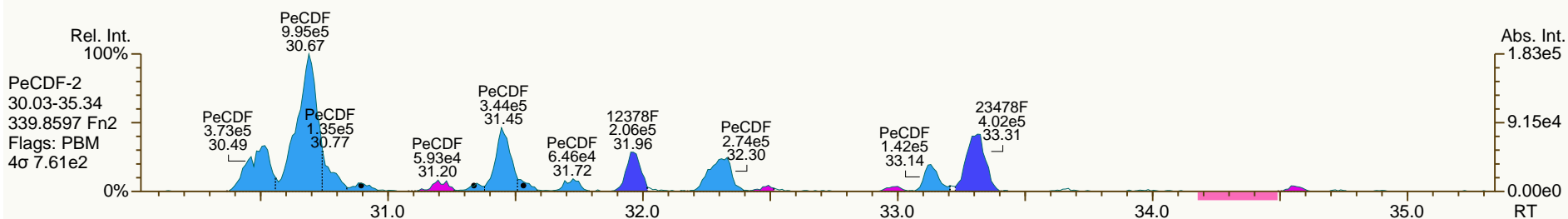
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Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

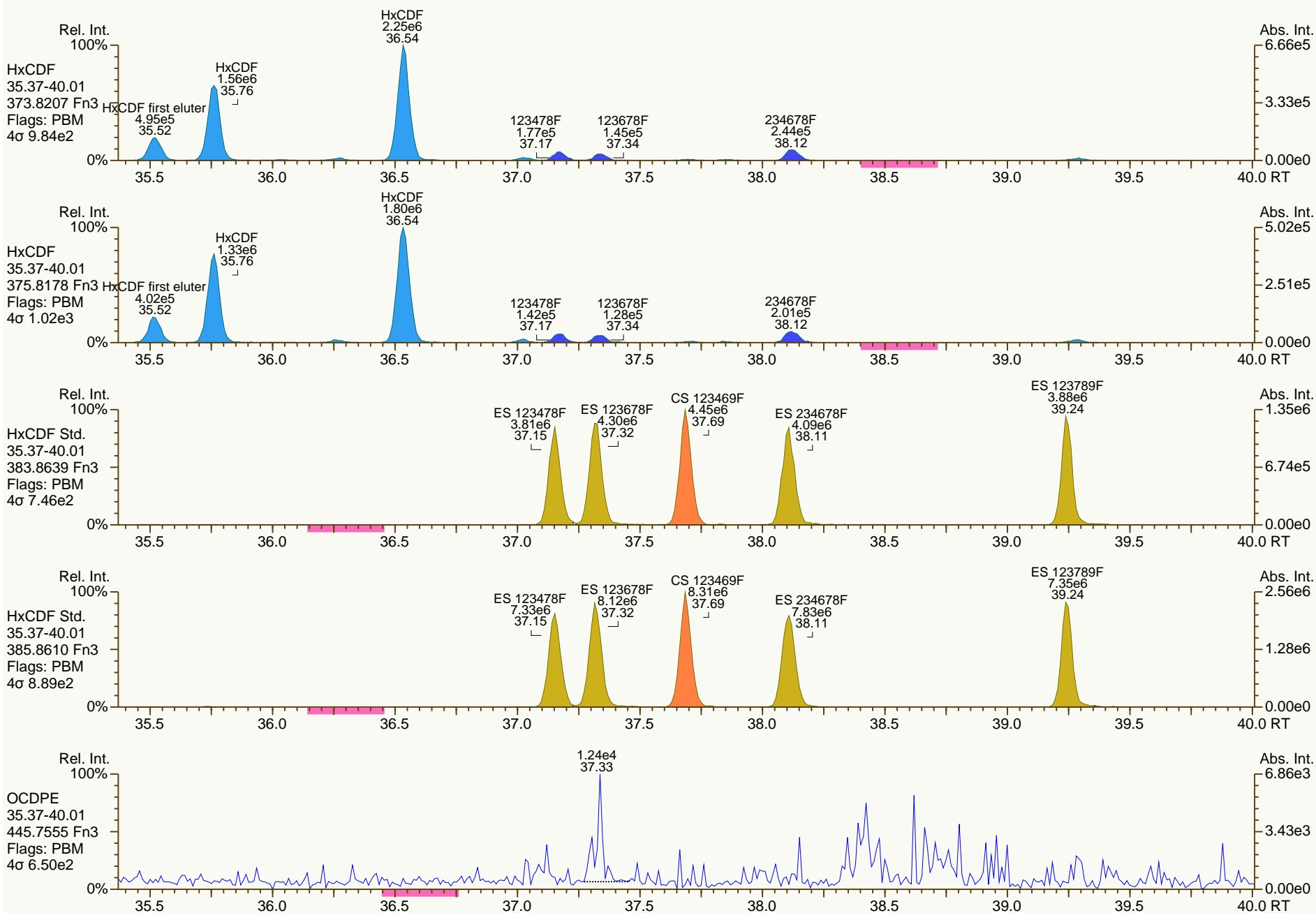
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

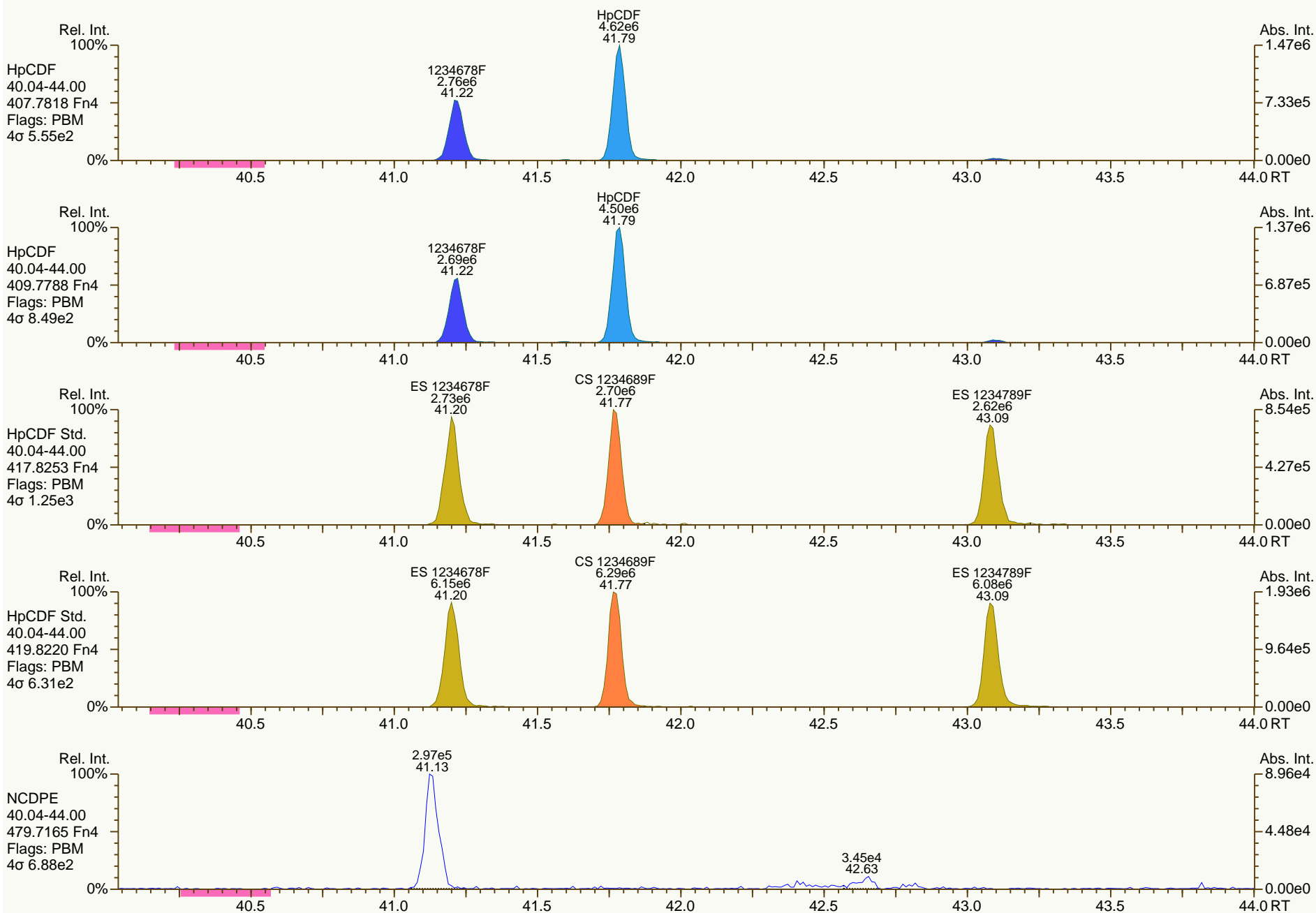
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

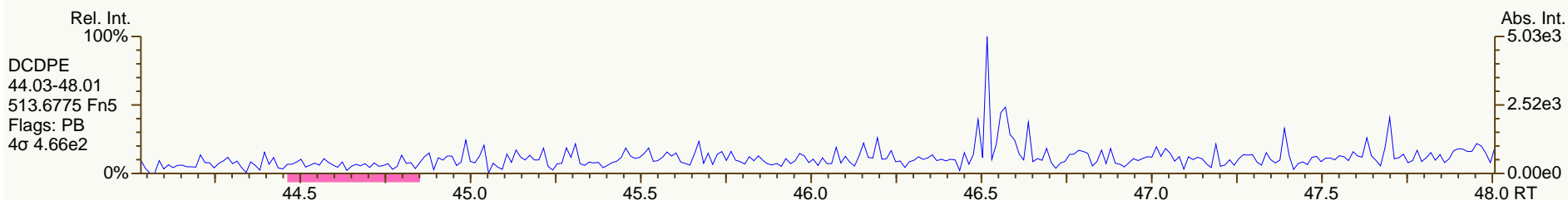
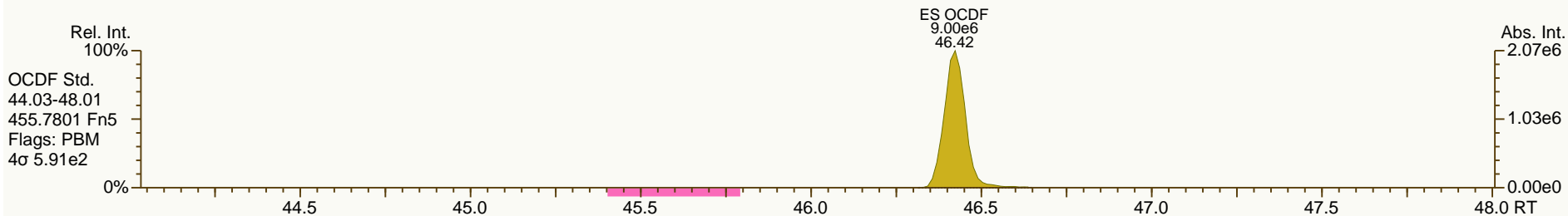
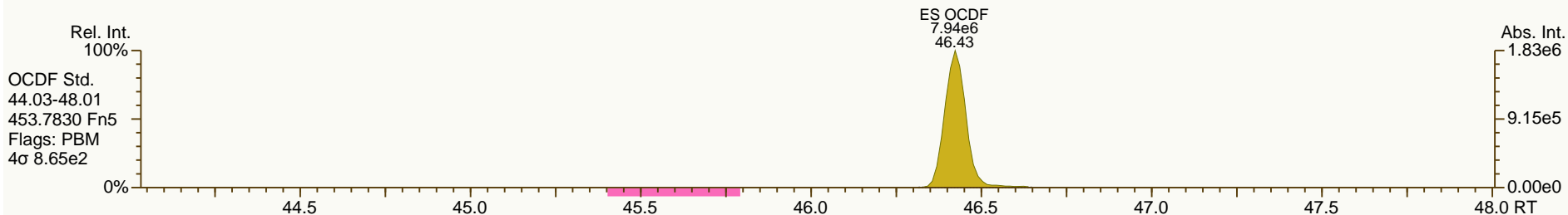
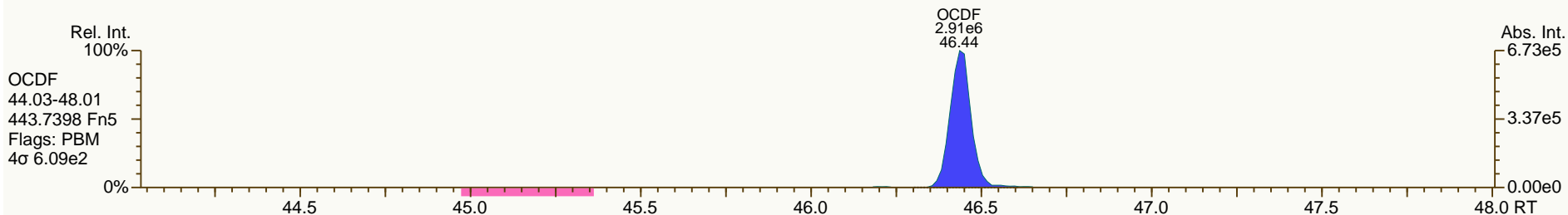
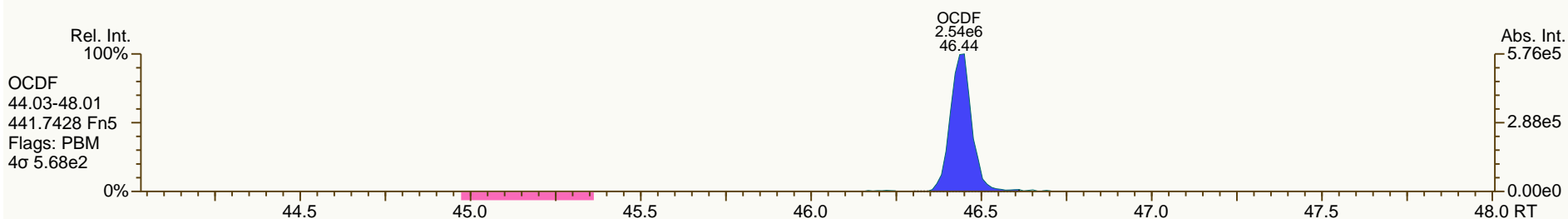
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SGS-AP ID: A5464_10910_DF_007
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC27-C-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 65

Acq: 12-MAY-2013 08:58:04
User: MDC Datafile: 130511P3-07



SGS Analytical Perspectives — Run Log

Project: A5464_10910_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130511P3-01	7	CS3_130511_DF_PA	1.00	11012012A	MDC	271-324	12-MAY-2013	03:43:40
2	130511P3-02	62	OPR1_10910_DF	1.00	0_10910_OPR001	MDC	043-864	12-MAY-2013	04:36:23
3	130511P3-03	15	SBS_130511_DF_PD	1.00	solvent blank	MDC	592-459	12-MAY-2013	05:28:19
4	130511P3-04	61	MB1_10910_DF_SDS	10.00	Method Blank A5464	MDC	727-205	12-MAY-2013	06:20:52
5	130511P3-05	63	A5464_10910_DF_005	10.28	JW-EA07-SC27-A-130429	MDC	614-713	12-MAY-2013	07:13:30
6	130511P3-06	64	A5464_10910_DF_006	10.05	JW-EA07-SC27-B-130429	MDC	764-086	12-MAY-2013	08:06:02
7	130511P3-07	65	A5464_10910_DF_007	10.13	JW-EA07-SC27-C-130429	MDC	212-517	12-MAY-2013	08:58:04
8	130511P3-08	15	SBS_130511_DF_PE	1.00	solvent blank	MDC	044-672	12-MAY-2013	09:50:04
9	130511P3-09	7	CS3_130511_DF_PB	1.00	11012012A	MDC	828-494	12-MAY-2013	10:42:31

REVIEWED*By Michael D H Chu at 2:02 pm, May 14, 2013***APPROVED***By Amy Boehm at 2:23 pm, May 16, 2013*

Dioxin/Furan QC Summary		Acq'd: 12 May 2013 03:43 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PA		UTP: 14-May-2013 13:27 MDC			Checkcode: 271-324-MBH		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.39	2.28E+06	0.80	Y	1.06	1.11	4%
12378-PeCDD	33.68	8.27E+06	1.60	Y	0.94	1.00	6%
123478-HxCDD	38.32	6.75E+06	1.27	Y	1.02	1.01	-2%
123678-HxCDD	38.46	6.81E+06	1.27	Y	1.04	1.02	-2%
123789-HxCDD	38.80	7.17E+06	1.28	Y	0.98	0.94	-4%
1234678-HpCDD	42.48	6.25E+06	1.03	Y	1.02	1.00	-2%
OCDD	46.18	1.06E+07	0.89	Y	1.08	1.07	-1%
2378-TCDF	26.39	2.96E+06	0.76	Y	0.97	0.97	-1%
12378-PeCDF	31.94	1.24E+07	1.55	Y	1.00	1.00	0%
23478-PeCDF	33.27	1.19E+07	1.52	Y	0.96	0.97	1%
123478-HxCDF	37.15	1.00E+07	1.23	Y	1.23	1.22	-1%
123678-HxCDF	37.32	1.08E+07	1.23	Y	1.14	1.16	2%
234678-HxCDF	38.11	1.04E+07	1.23	Y	1.14	1.12	-2%
123789-HxCDF	39.22	8.75E+06	1.27	Y	1.13	1.11	-2%
1234678-HpCDF	41.20	8.28E+06	1.02	Y	1.34	1.29	-4%
1234789-HpCDF	43.09	7.53E+06	1.02	Y	1.30	1.25	-3%
OCDF	46.42	1.32E+07	0.89	Y	1.00	1.01	1%
ES 2378-TCDD	27.36	2.05E+07	0.81	Y	1.01	1.03	2%
ES 12378-PeCDD	33.66	1.66E+07	1.65	Y	0.90	0.83	-7%
ES 123478-HxCDD	38.31	1.34E+07	1.29	Y	0.99	0.98	-1%
ES 123678-HxCDD	38.44	1.33E+07	1.23	Y	1.02	0.98	-4%
ES 123789-HxCDD	38.78	1.52E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	42.47	1.25E+07	1.05	Y	0.90	0.92	1%
ES OCDD	46.16	1.97E+07	0.90	Y	0.74	0.72	-2%
ES 2378-TCDF	26.37	3.05E+07	0.78	Y	1.05	1.01	-4%
ES 12378-PeCDF	31.92	2.49E+07	1.58	Y	0.88	0.82	-7%
ES 23478-PeCDF	33.25	2.44E+07	1.57	Y	0.91	0.81	-11%
ES 123478-HxCDF	37.13	1.64E+07	0.54	Y	1.25	1.21	-4%
ES 123678-HxCDF	37.30	1.86E+07	0.53	Y	1.40	1.36	-3%
ES 234678-HxCDF	38.09	1.85E+07	0.52	Y	1.29	1.36	5%
ES 123789-HxCDF	39.20	1.58E+07	0.52	Y	1.17	1.16	-1%
ES 1234678-HpCDF	41.18	1.29E+07	0.45	Y	1.03	0.94	-8%
ES 1234789-HpCDF	43.07	1.20E+07	0.43	Y	0.89	0.88	-1%
ES OCDF	46.40	2.62E+07	0.90	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary		Acq'd: 12 May 2013 03:43 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PA		UTP: 14-May-2013 13:27 MDC			Checkcode: 271-324		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.61	1.99E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.83	3.02E+07	0.77	Y	-	-	-
JS 123467-HxCDD	38.66	6.82E+06	1.25	Y	-	-	-
CS 37C1-2378-TCDD	27.39	2.23E+06	n/a	-	1.10	1.12	2%
CS 12347-PeCDD	33.06	1.61E+07	1.65	Y	0.79	0.81	2%
CS 12346-PeCDF	31.30	2.59E+07	1.59	Y	0.87	0.86	-1%
CS 123469-HxCDF	37.67	1.62E+07	0.53	Y	1.21	1.19	-2%
CS 1234689-HpCDF	41.75	1.26E+07	0.44	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	27.39	2.23E+06	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	33.06	1.61E+07	1.65	Y	0.89	0.97	9%
SS 12346-PeCDF	31.30	2.59E+07	1.59	Y	0.99	1.04	5%
SS 123469-HxCDF	37.67	1.62E+07	0.53	Y	0.87	0.88	1%
SS 1234689-HpCDF	41.75	1.26E+07	0.44	Y	0.87	0.98	12%
AS 1368-TCDD	23.22	2.05E+07	0.80	Y	1.00	1.03	3%
AS 1368-TCDF	21.03	3.80E+07	0.79	Y	1.20	1.26	5%
FS 1278-TCDD	27.74	2.46E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.20	1.82E+07	1.62	Y	1.07	1.09	2%
FS 123468-HxCDD	37.05	1.74E+07	1.24	Y	1.29	1.30	1%
FS 1234679-HpCDD	41.57	1.49E+07	1.03	Y	1.18	1.19	0%
TS 1378-TCDD	25.47	2.34E+07	0.81	Y	1.12	1.14	2%
OCDD-a	46.17	6.31E+05	2.53	Y	0.07	0.06	-4%
OCDF-a	46.41	7.59E+05	2.21	Y	0.06	0.06	-5%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-01 Analysis Date: 12-MAY-2013 03:43:40

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	53.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	49.1	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	49.2	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	48.1	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	48.9	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	99.4	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.76	0.65 - 0.89	Y	9.94	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.55	1.32 - 1.78	Y	50	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	50.5	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	49.5	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	51.1	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	49.1	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	49	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	47.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	48.3	43 - 58	Y
OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	101	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-01 Analysis Date: 12-MAY-2013 03:43:40

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	102	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	92.9	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	99.1	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.23	1.05 - 1.43	Y	95.6	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	99.9	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	101	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	195	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	95.7	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	93.5	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	88.7	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	96.3	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	97.2	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	105	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	99.2	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	91.7	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	99.4	77 - 129	Y
13C-OCDF	M+2/M+4	0.90	0.76 - 1.02	Y	192	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.2	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.65	1.32 - 1.78	Y	102	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	98.9	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	98.4	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	103	70 - 130	Y

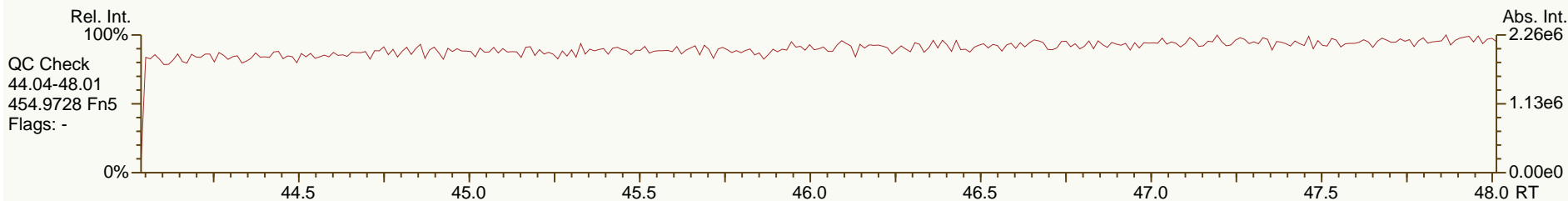
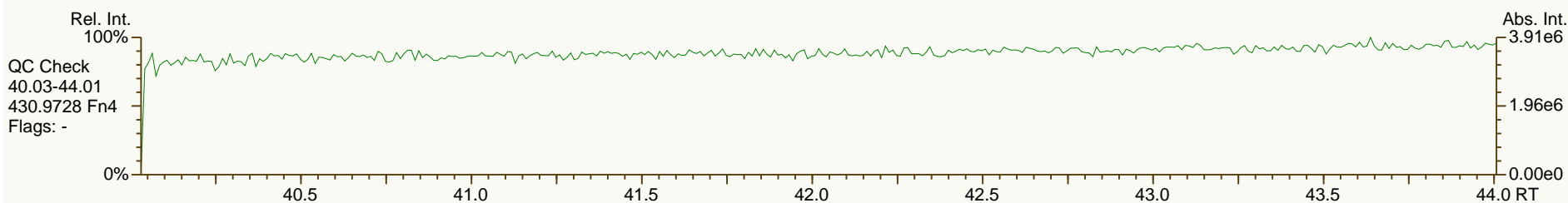
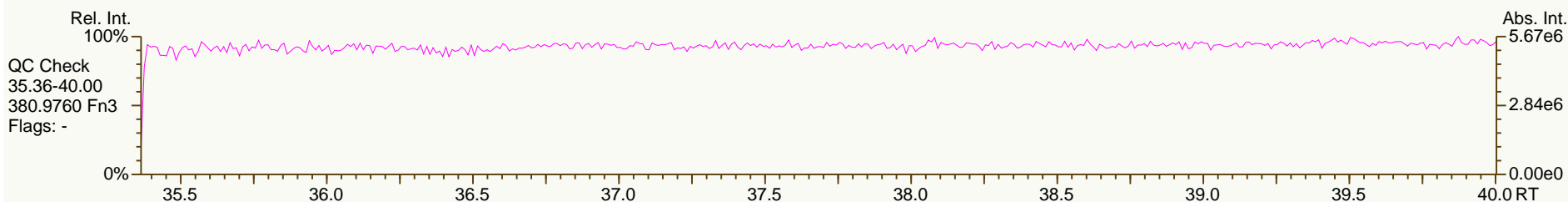
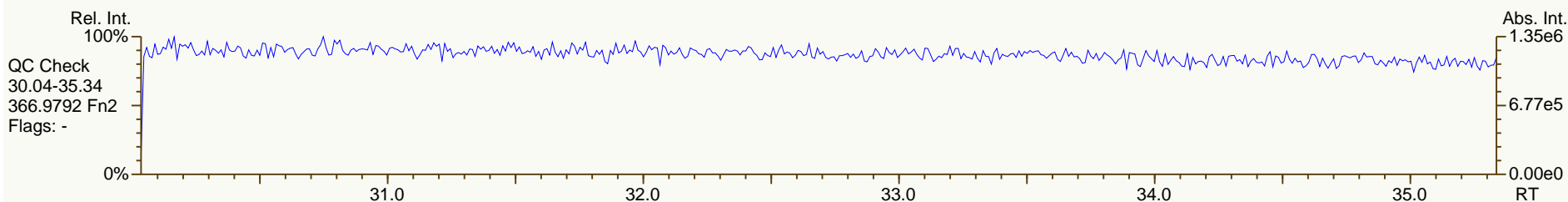
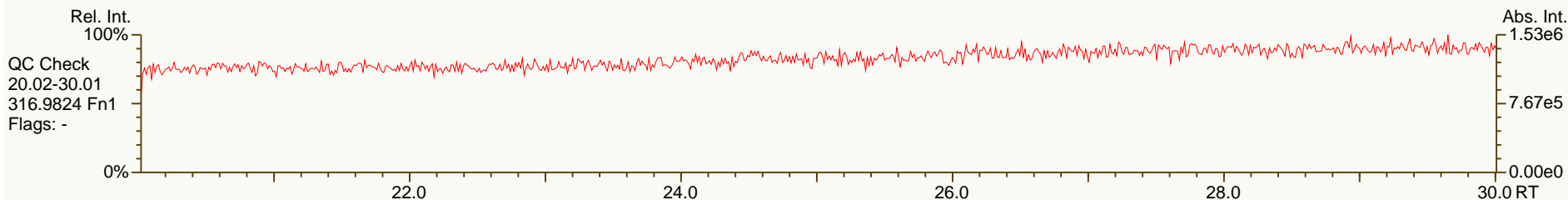
Processed: 14 May 2013 13:28

Analyst: MC

SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

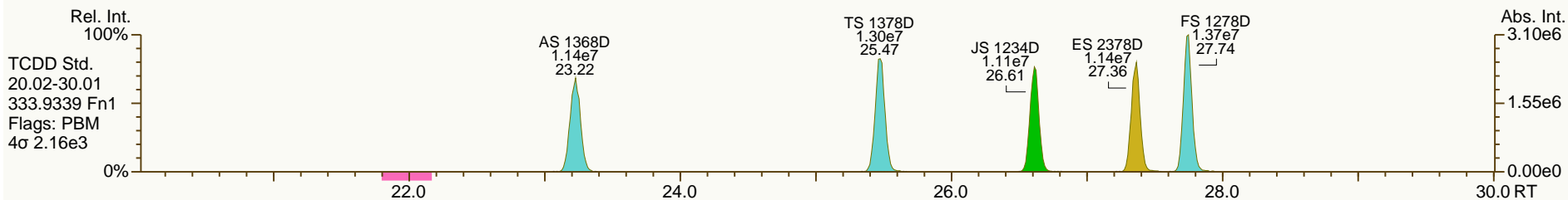
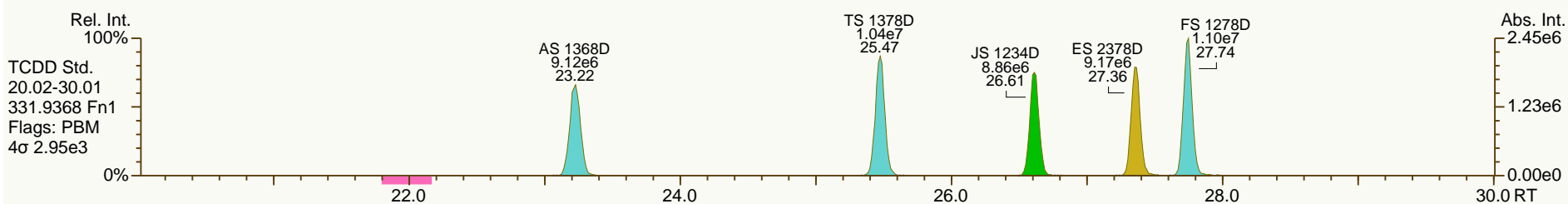
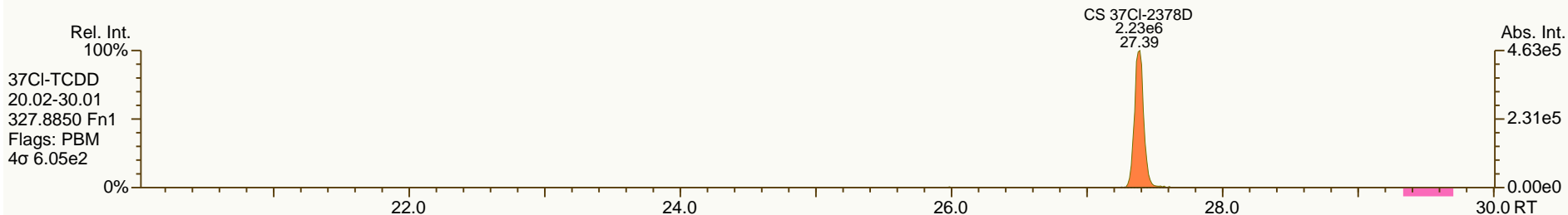
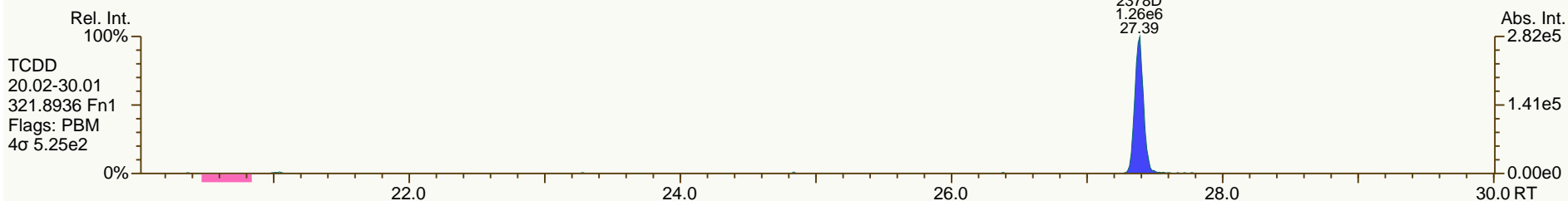
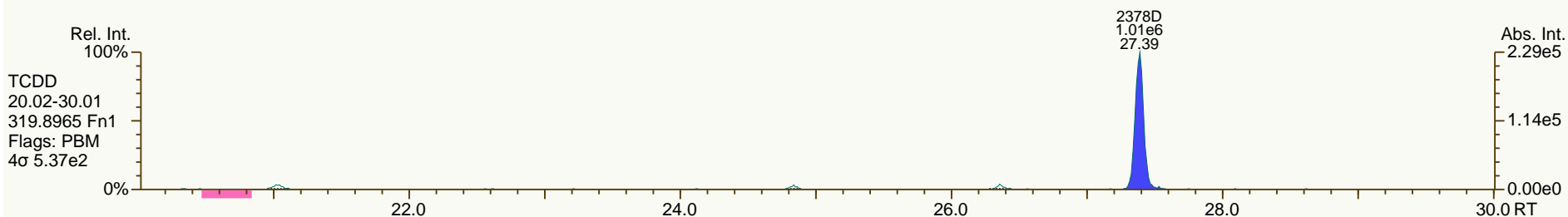
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

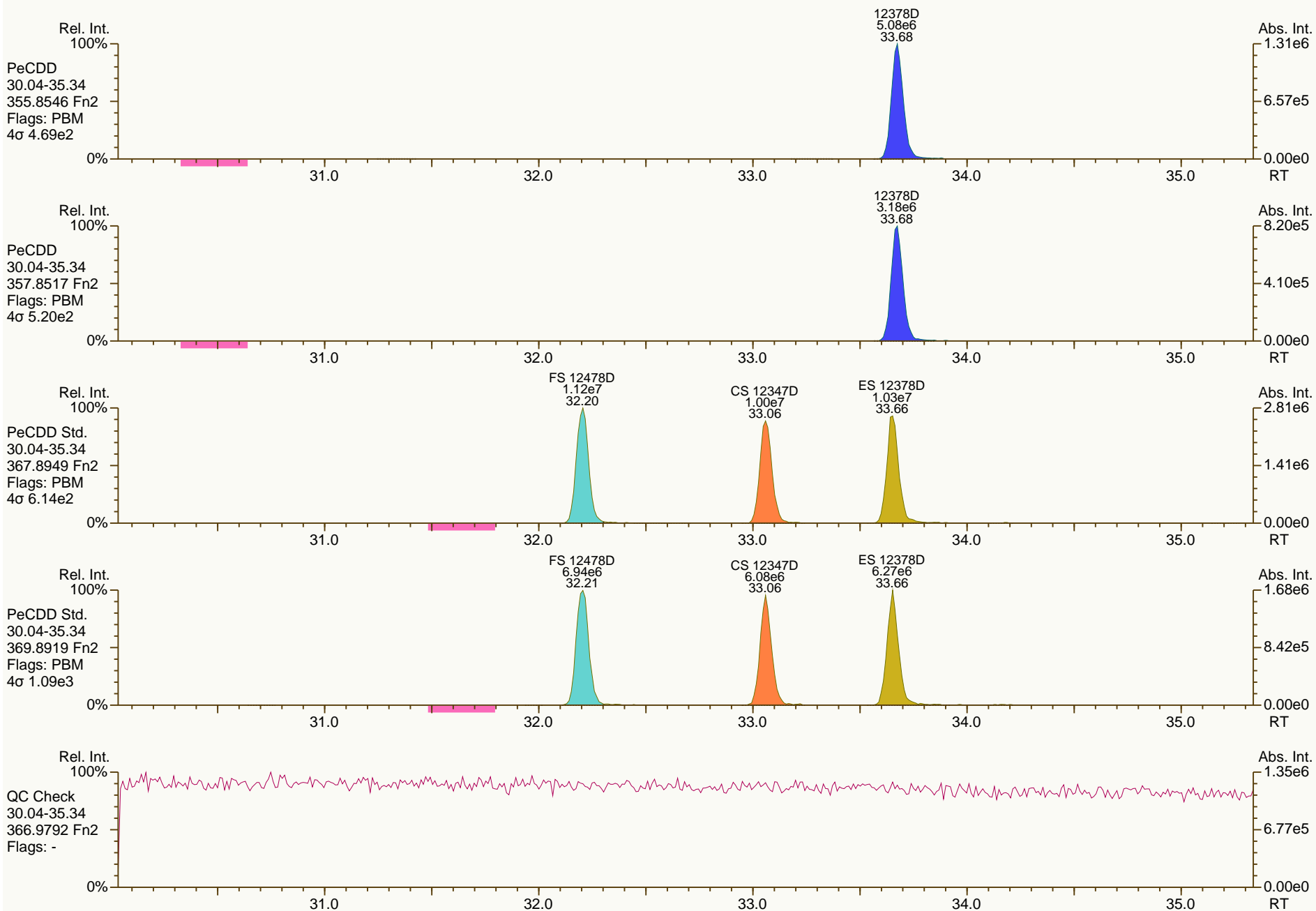
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

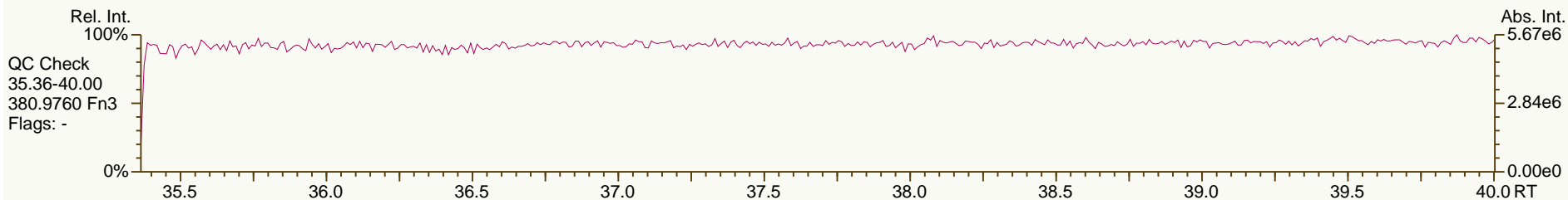
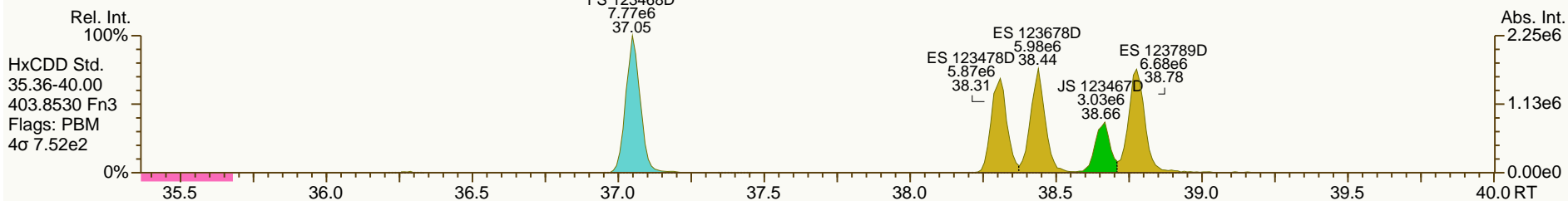
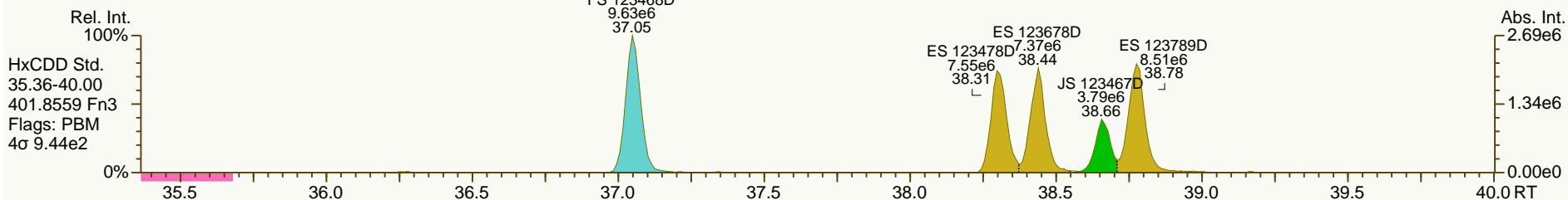
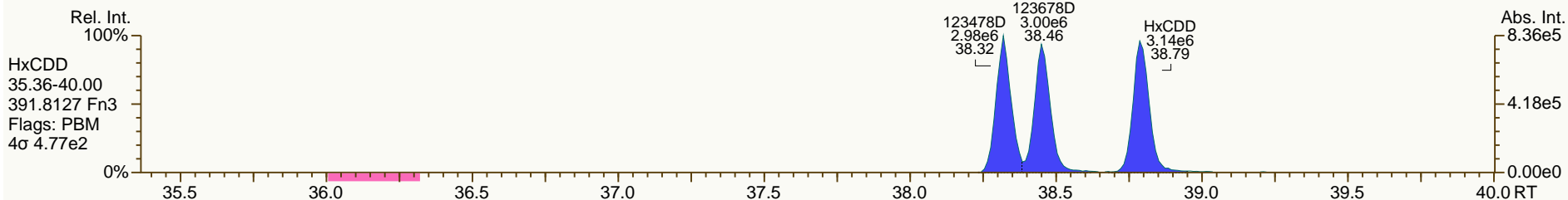
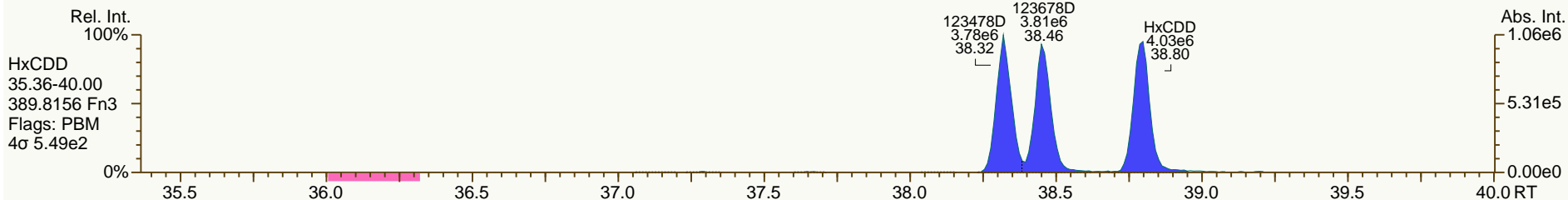
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SGS-AP ID: CS3_130511_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

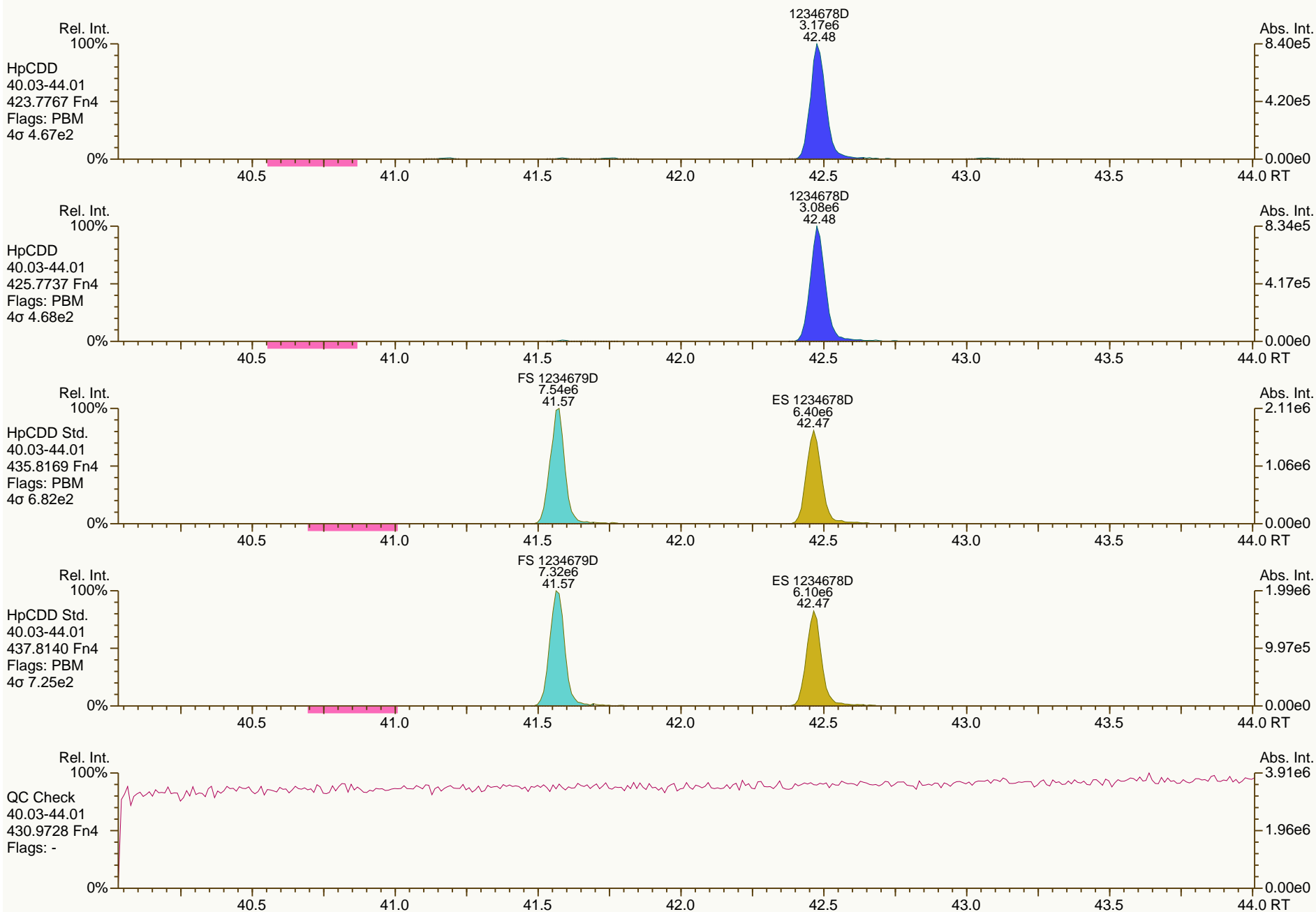
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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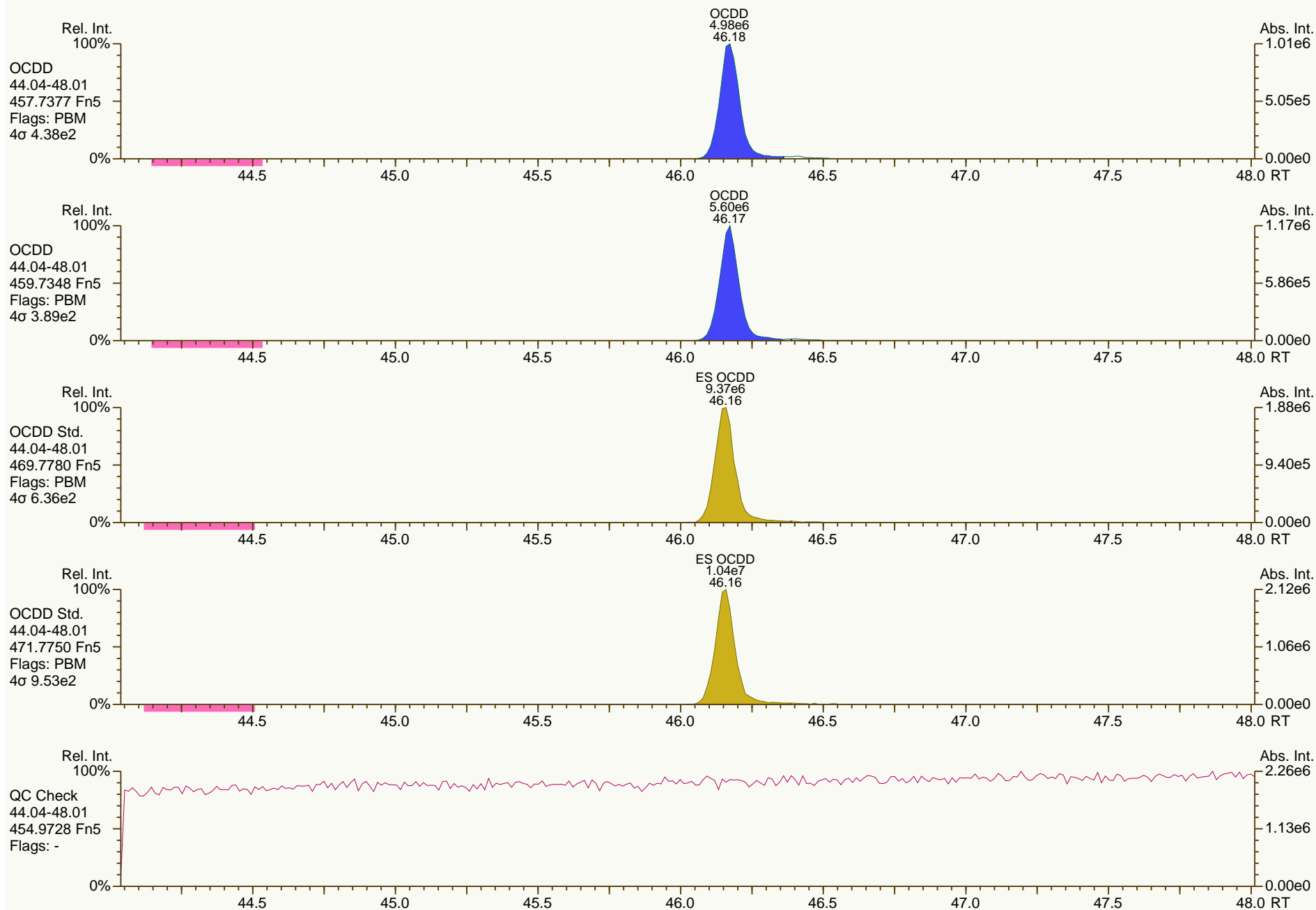
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Instr: AutoSpec-Ultima MM1

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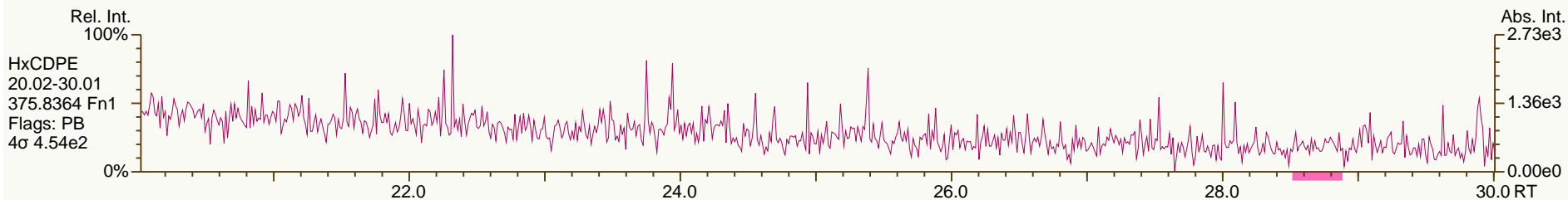
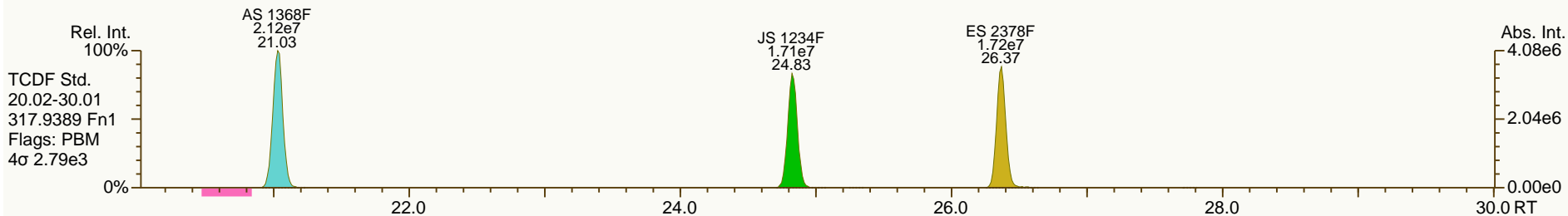
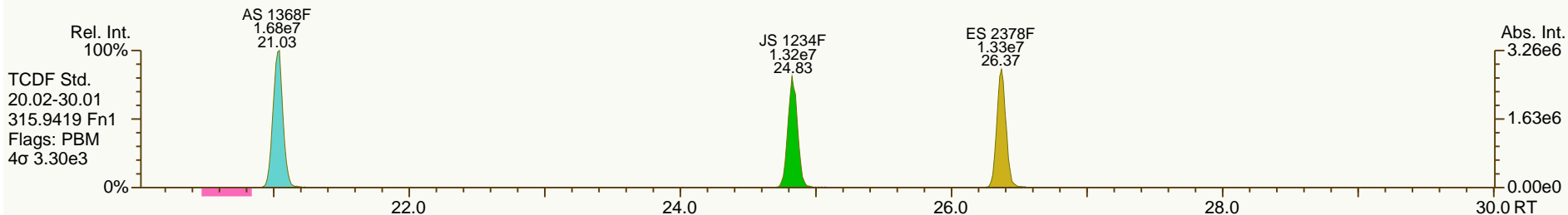
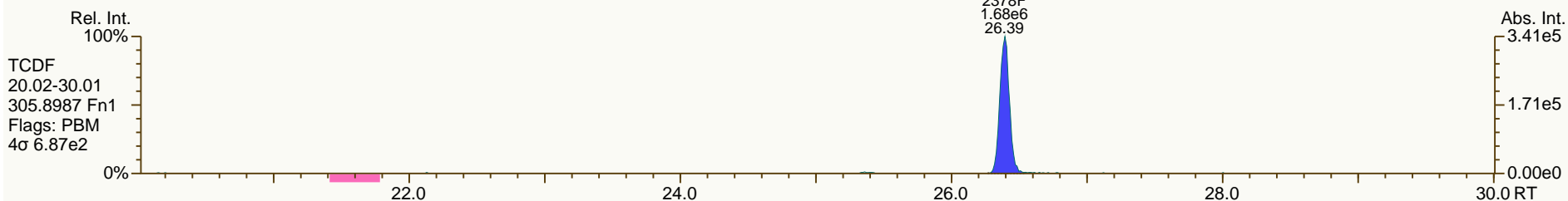
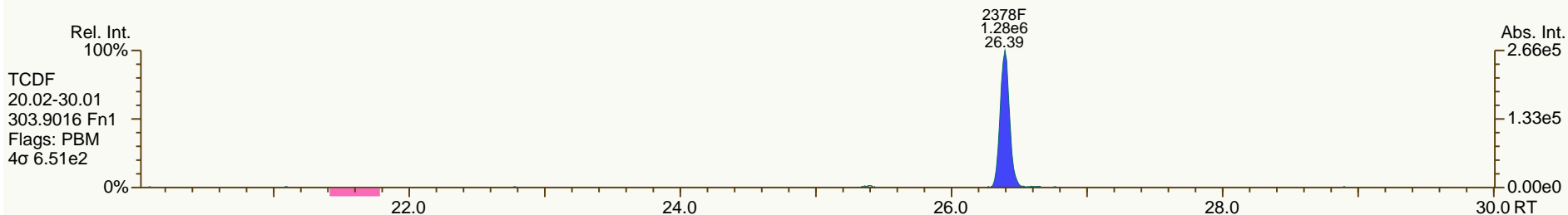
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

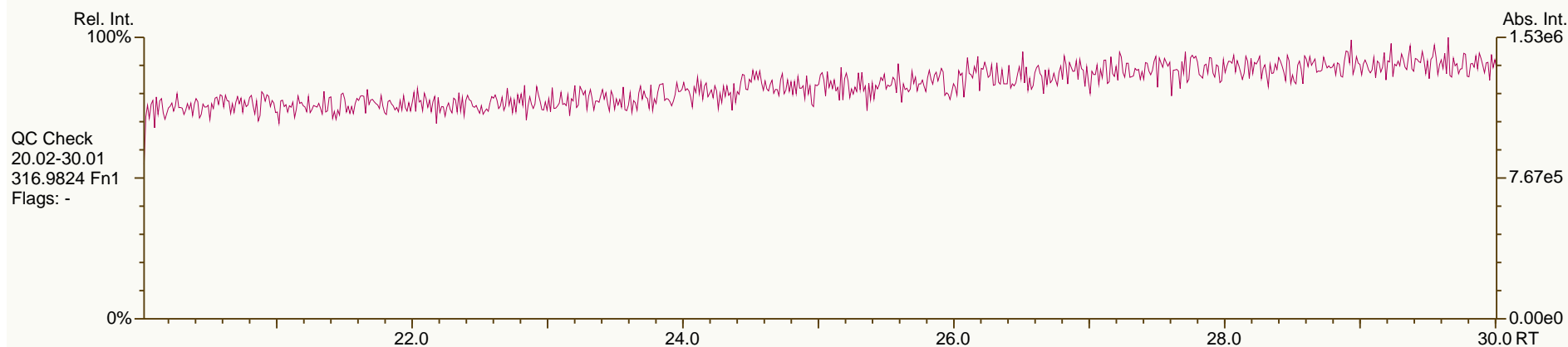
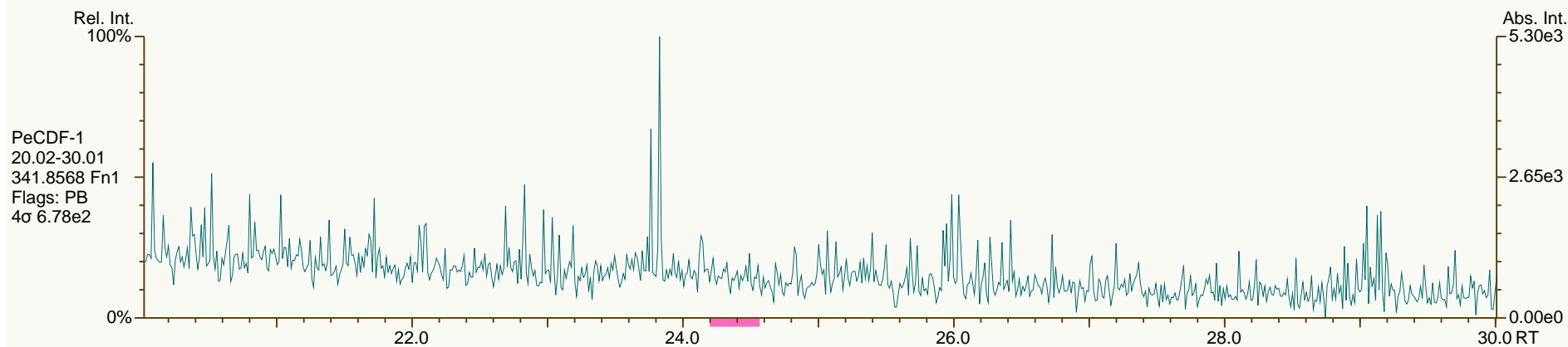
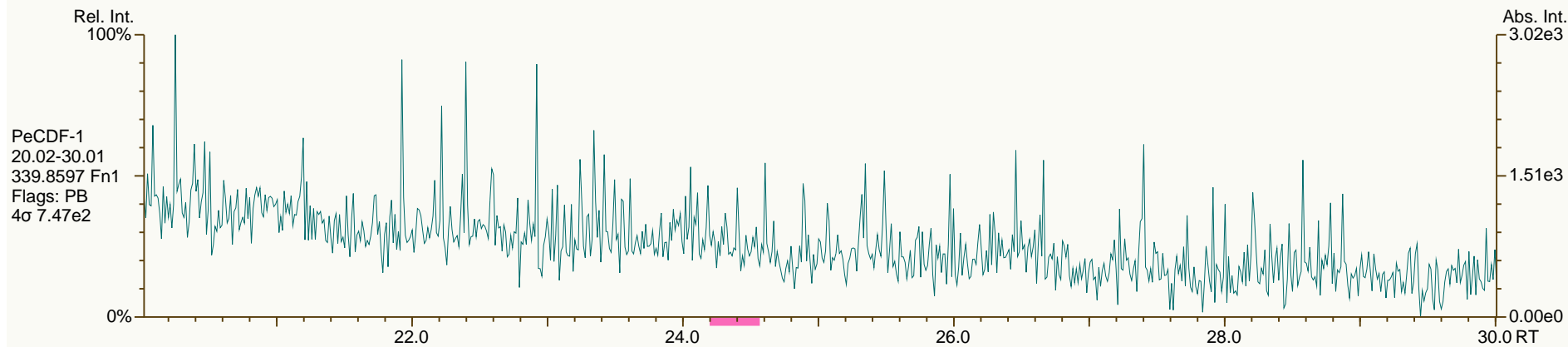
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

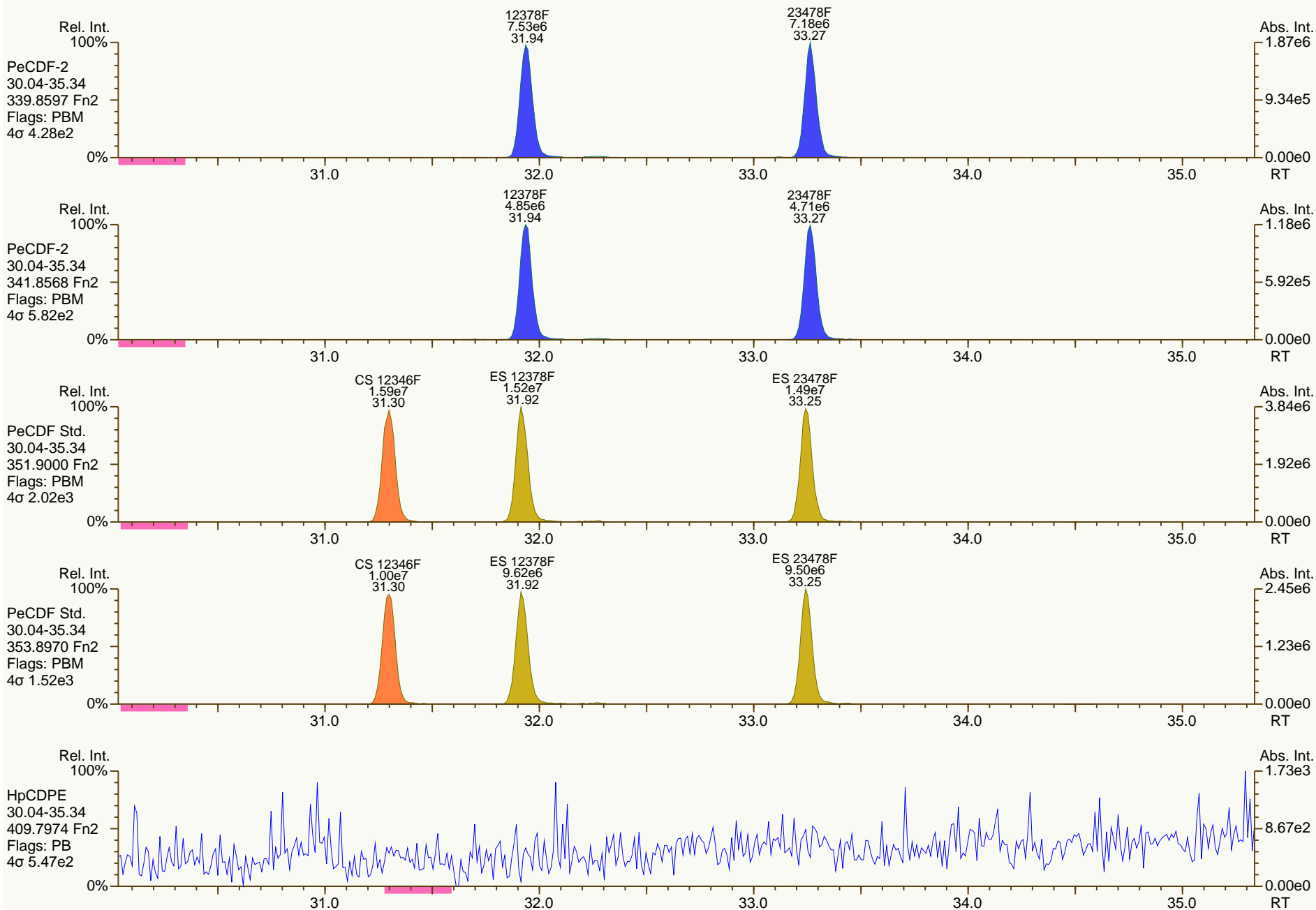
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

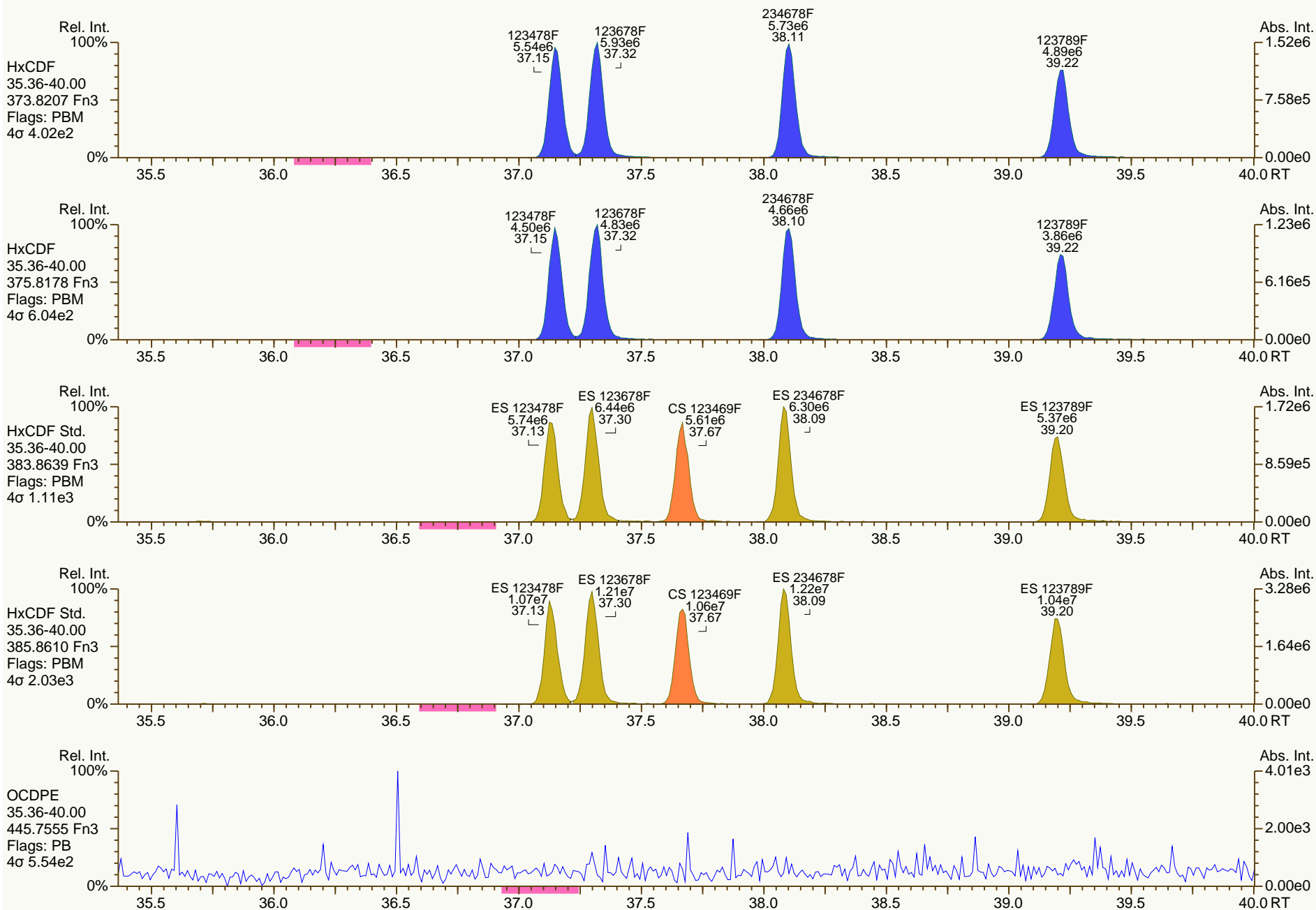
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

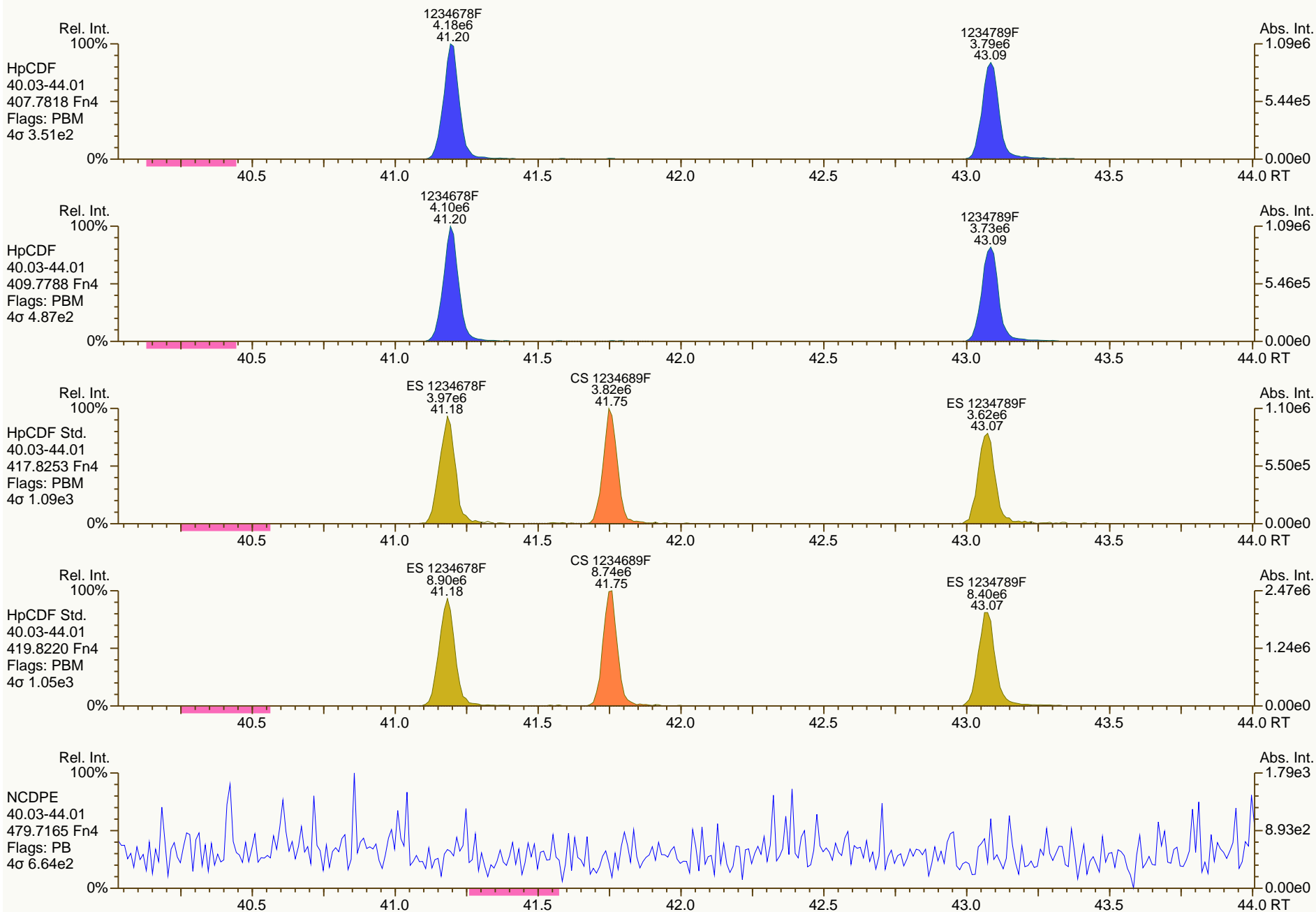
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SGS-AP ID: CS3_130511_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

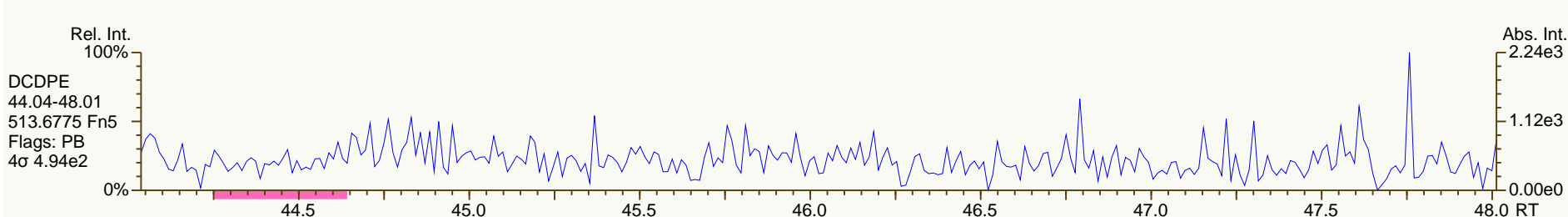
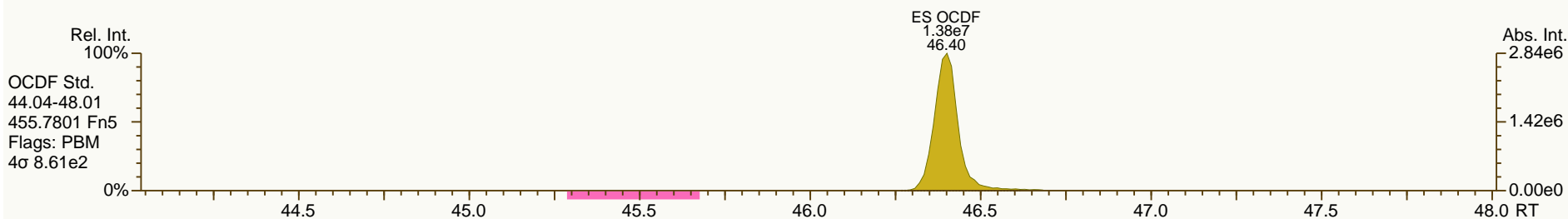
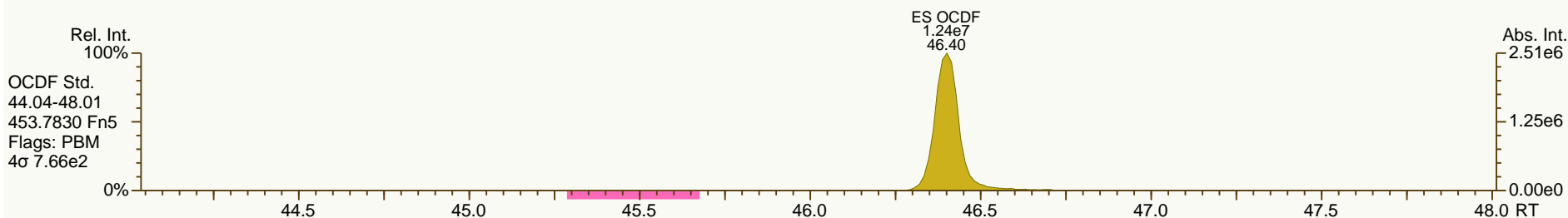
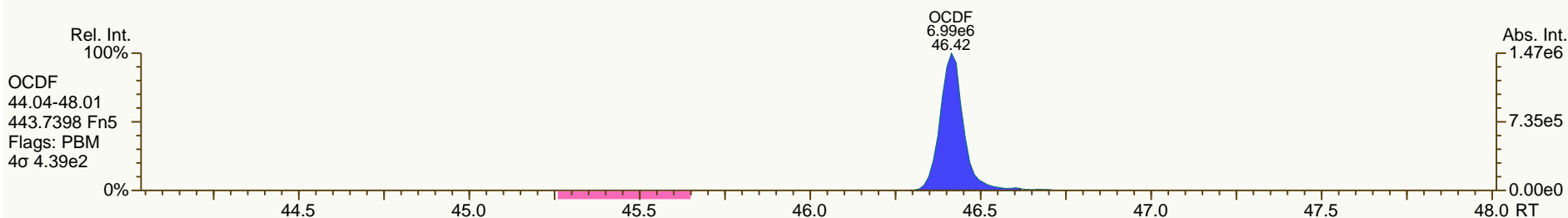
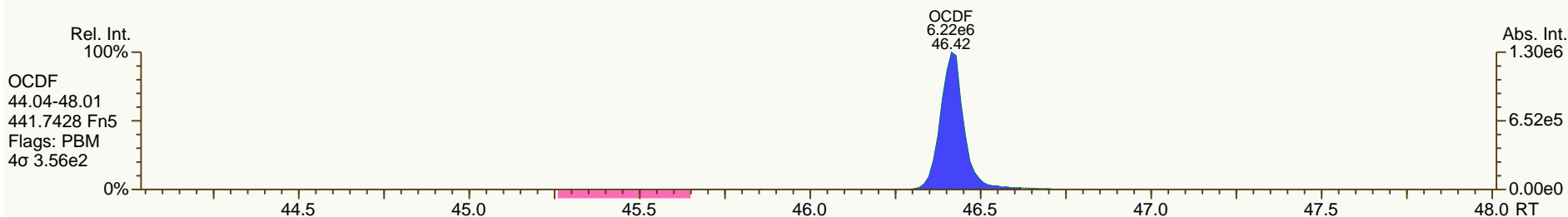
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SGS-AP ID: CS3_130511_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 12-MAY-2013 03:43:40
User: MDC Datafile: 130511P3-01



Dioxin/Furan QC Summary		Acq'd: 12 May 2013 10:42 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PB		UTP: 14-May-2013 13:27 MDC			Checkcode: 828-494-QTP		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.40	2.27E+06	0.79	Y	1.06	1.10	4%
12378-PeCDD	33.69	8.33E+06	1.57	Y	0.94	1.00	6%
123478-HxCDD	38.33	7.17E+06	1.28	Y	1.02	1.00	-2%
123678-HxCDD	38.47	6.92E+06	1.29	Y	1.04	1.00	-3%
123789-HxCDD	38.80	7.47E+06	1.28	Y	0.98	0.93	-5%
1234678-HpCDD	42.49	6.77E+06	1.03	Y	1.02	1.00	-2%
OCDD	46.19	1.17E+07	0.89	Y	1.08	1.09	1%
2378-TCDF	26.40	2.92E+06	0.78	Y	0.97	0.95	-2%
12378-PeCDF	31.95	1.24E+07	1.52	Y	1.00	0.99	-1%
23478-PeCDF	33.27	1.21E+07	1.52	Y	0.96	0.96	0%
123478-HxCDF	37.16	1.04E+07	1.23	Y	1.23	1.19	-3%
123678-HxCDF	37.33	1.10E+07	1.22	Y	1.14	1.13	-1%
234678-HxCDF	38.11	1.08E+07	1.22	Y	1.14	1.13	-2%
123789-HxCDF	39.23	9.21E+06	1.26	Y	1.13	1.11	-2%
1234678-HpCDF	41.21	8.54E+06	1.02	Y	1.34	1.26	-6%
1234789-HpCDF	43.10	8.20E+06	1.01	Y	1.30	1.22	-6%
OCDF	46.43	1.39E+07	0.89	Y	1.00	0.99	-1%
ES 2378-TCDD	27.37	2.06E+07	0.80	Y	1.01	1.00	-1%
ES 12378-PeCDD	33.66	1.67E+07	1.61	Y	0.90	0.81	-9%
ES 123478-HxCDD	38.31	1.43E+07	1.24	Y	0.99	0.98	-1%
ES 123678-HxCDD	38.45	1.38E+07	1.24	Y	1.02	0.95	-8%
ES 123789-HxCDD	38.79	1.60E+07	1.26	Y	1.12	1.10	-1%
ES 1234678-HpCDD	42.48	1.35E+07	1.05	Y	0.90	0.93	3%
ES OCDD	46.17	2.16E+07	0.89	Y	0.74	0.74	0%
ES 2378-TCDF	26.38	3.06E+07	0.78	Y	1.05	1.01	-5%
ES 12378-PeCDF	31.93	2.51E+07	1.58	Y	0.88	0.82	-6%
ES 23478-PeCDF	33.25	2.51E+07	1.57	Y	0.91	0.82	-9%
ES 123478-HxCDF	37.14	1.74E+07	0.52	Y	1.25	1.19	-5%
ES 123678-HxCDF	37.31	1.95E+07	0.52	Y	1.40	1.34	-4%
ES 234678-HxCDF	38.09	1.93E+07	0.53	Y	1.29	1.32	2%
ES 123789-HxCDF	39.21	1.65E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	41.19	1.35E+07	0.43	Y	1.03	0.93	-10%
ES 1234789-HpCDF	43.08	1.34E+07	0.45	Y	0.89	0.92	4%
ES OCDF	46.41	2.81E+07	0.91	Y	1.00	0.96	-4%

Dioxin/Furan QC Summary		Acq'd: 12 May 2013 10:42 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_130511_DF_PB		UTP: 14-May-2013 13:27 MDC			Checkcode: 828-494		
Sample ID: 11012012A		Report: 14 May 2013 13:28 MC			Datafile: 130511P3-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	26.62	2.06E+07	0.80	Y	-	-	-
JS 1234-TCDF	24.84	3.05E+07	0.77	Y	-	-	-
JS 123467-HxCDD	38.67	7.29E+06	1.23	Y	-	-	-
CS 37C1-2378-TCDD	27.40	2.21E+06	n/a	-	1.10	1.07	-2%
CS 12347-PeCDD	33.07	1.62E+07	1.60	Y	0.79	0.79	-1%
CS 12346-PeCDF	31.31	2.61E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	37.68	1.68E+07	0.52	Y	1.21	1.15	-5%
CS 1234689-HpCDF	41.76	1.32E+07	0.45	Y	0.89	0.91	1%
SS 37C1-2378-TCDD	27.40	2.21E+06	n/a	-	1.09	1.07	-1%
SS 12347-PeCDD	33.07	1.62E+07	1.60	Y	0.89	0.97	9%
SS 12346-PeCDF	31.31	2.61E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	37.68	1.68E+07	0.52	Y	0.87	0.86	0%
SS 1234689-HpCDF	41.76	1.32E+07	0.45	Y	0.87	0.98	12%
AS 1368-TCDD	23.24	2.04E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	21.04	3.75E+07	0.78	Y	1.20	1.23	3%
FS 1278-TCDD	27.75	2.43E+07	0.78	Y	1.18	1.18	0%
FS 12478-PeCDD	32.21	1.84E+07	1.62	Y	1.07	1.10	3%
FS 123468-HxCDD	37.06	1.91E+07	1.24	Y	1.29	1.33	4%
FS 1234679-HpCDD	41.58	1.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	25.48	2.31E+07	0.79	Y	1.12	1.12	0%
OCDD-a	46.18	7.05E+05	2.61	Y	0.07	0.07	-2%
OCDF-a	46.42	8.18E+05	2.66	Y	0.06	0.06	-5%

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-09 Analysis Date: 12-MAY-2013 10:42:31

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	10.4	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.57	1.32 - 1.78	Y	53.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	48.9	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.05 - 1.43	Y	48.4	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	47.5	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	49	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	101	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	9.8	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	49.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	50	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05 - 1.43	Y	48.3	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.22	1.05 - 1.43	Y	49.6	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.22	1.05 - 1.43	Y	49.2	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	49.2	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88 - 1.20	Y	47.1	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.01	0.88 - 1.20	Y	47.1	43 - 58	Y
OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	99	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-09 Analysis Date: 12-MAY-2013 10:42:31

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.80	0.65 - 0.89	Y	98.9	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.61	1.32 - 1.78	Y	90.7	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	98.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	92.4	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	98.5	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	103	72 - 138	Y
13C-OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	200	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	95.3	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32 - 1.78	Y	93.6	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	90.5	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.4	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.6	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	102	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	97.1	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	90	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	104	77 - 129	Y
13C-OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	192	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				9.77	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	99.1	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	99.1	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	95.4	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	101	70 - 130	Y

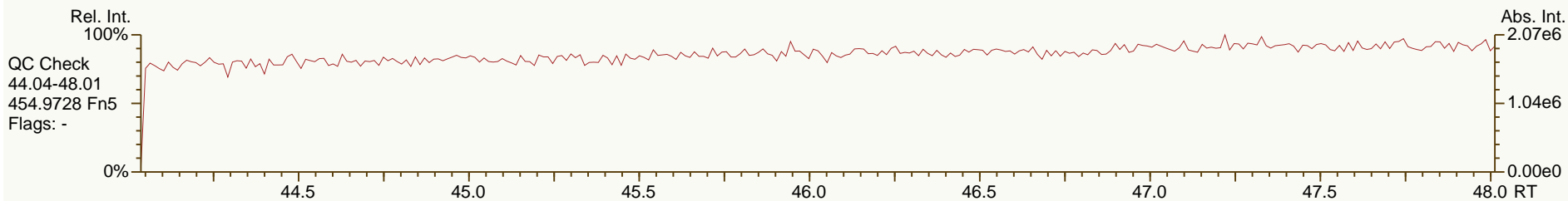
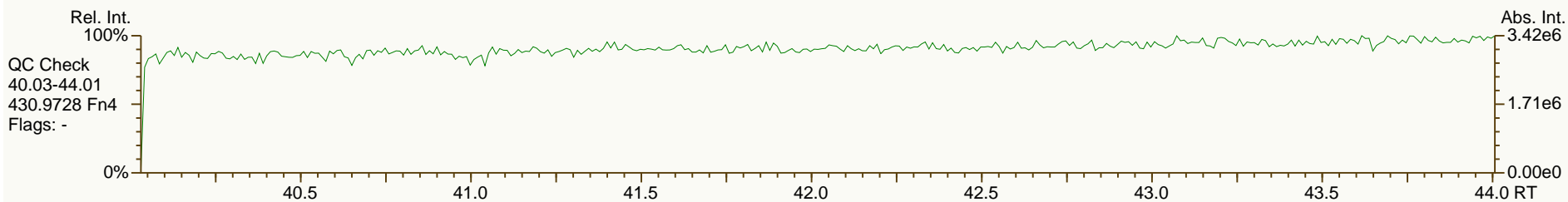
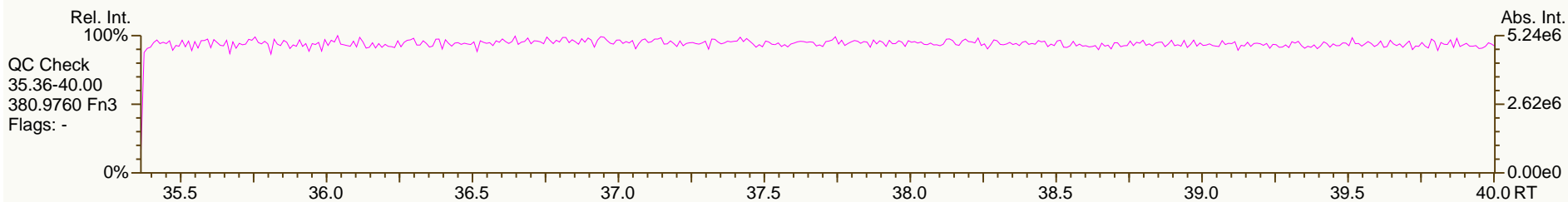
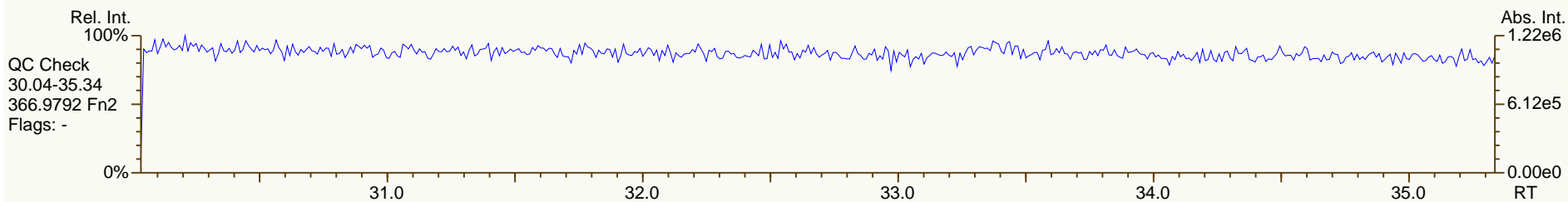
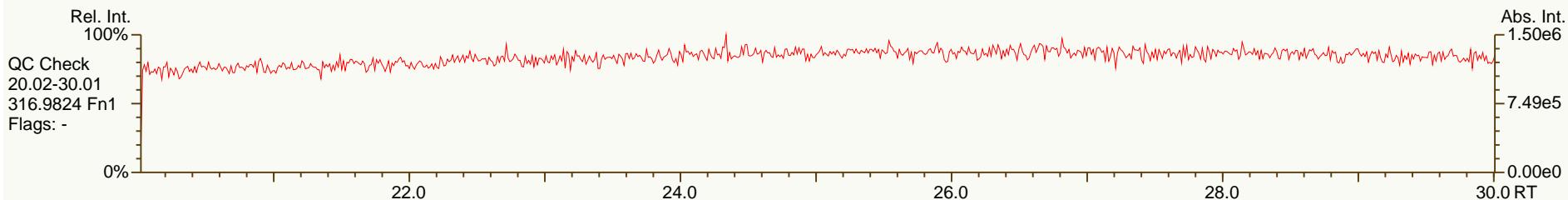
Processed: 14 May 2013 13:28

Analyst: MC

SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

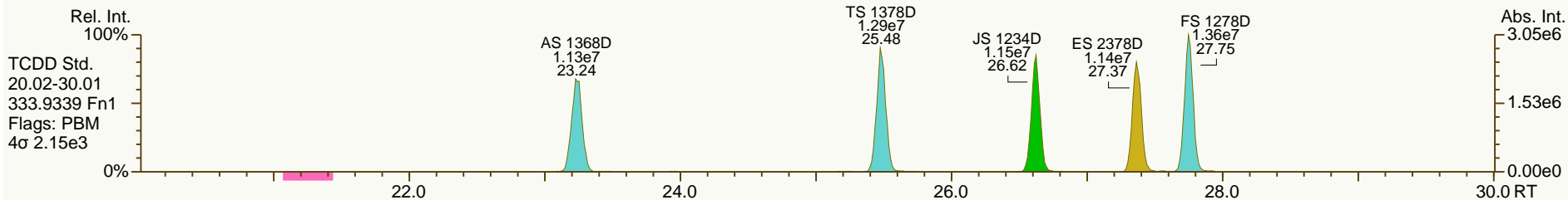
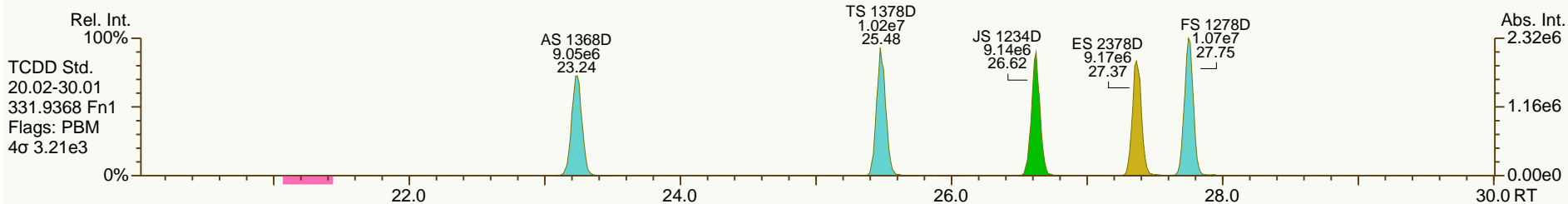
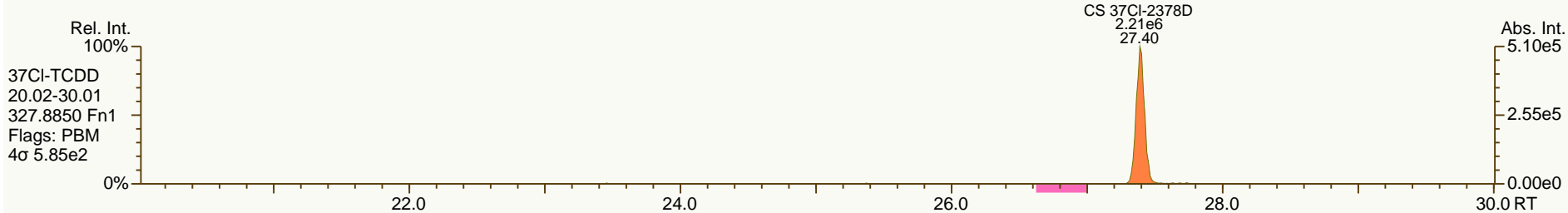
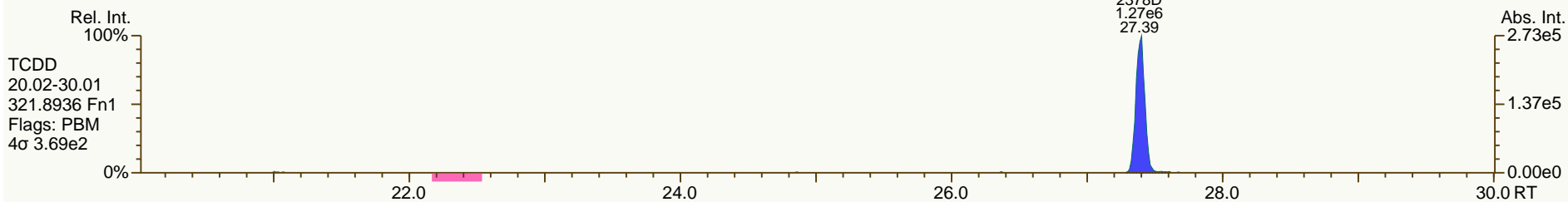
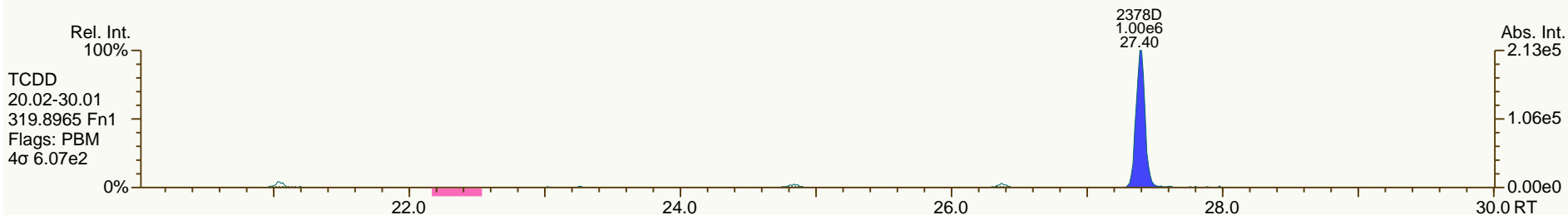
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

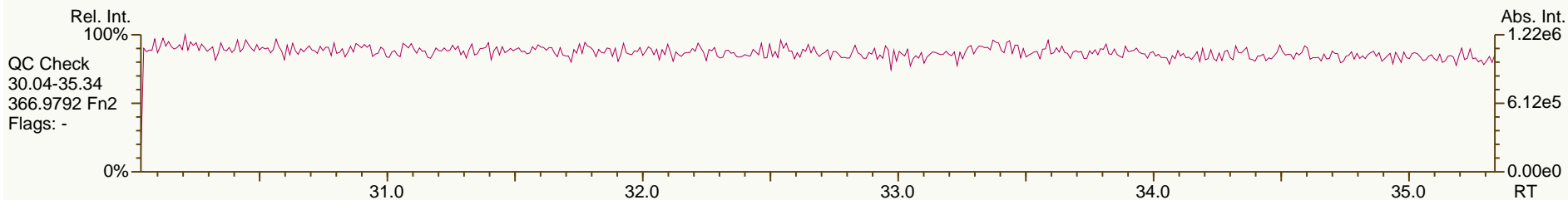
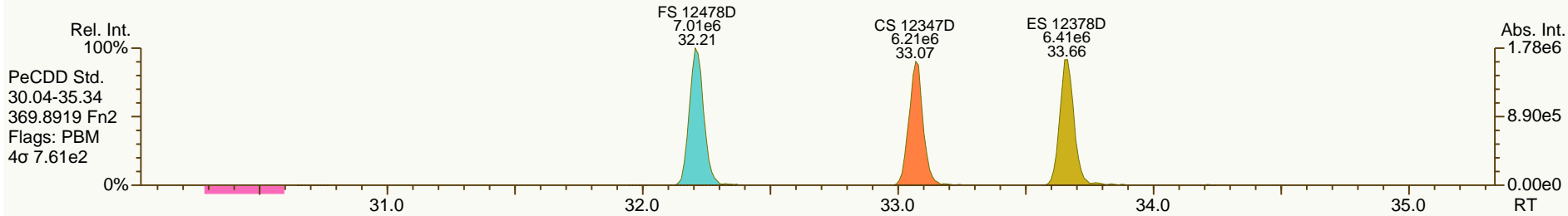
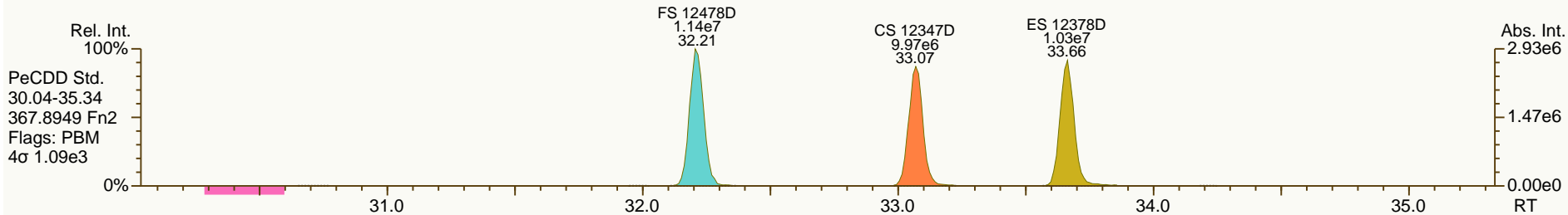
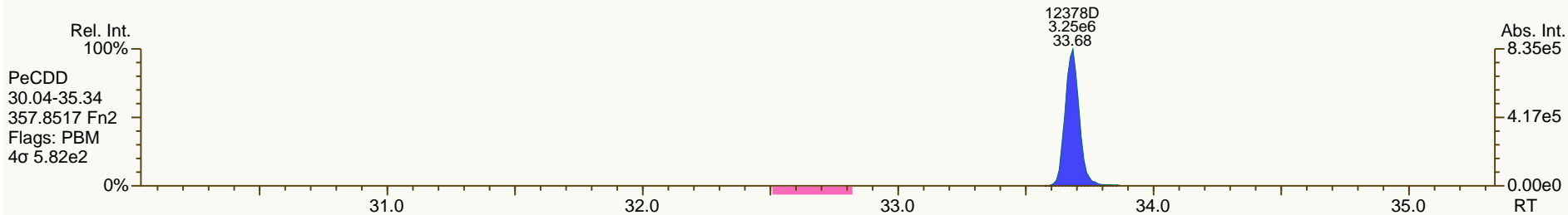
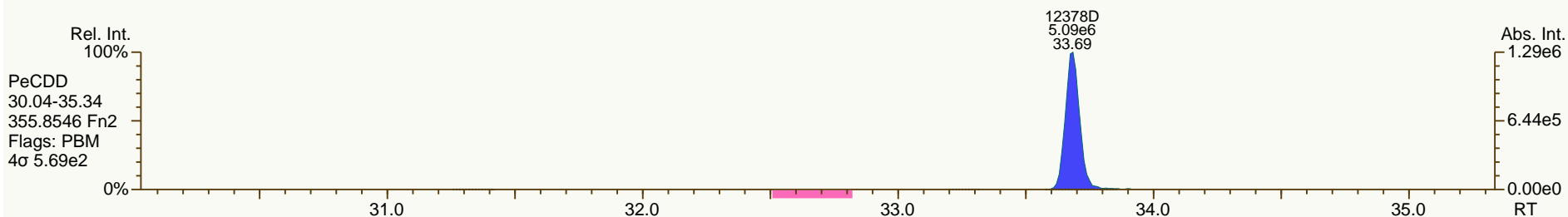
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

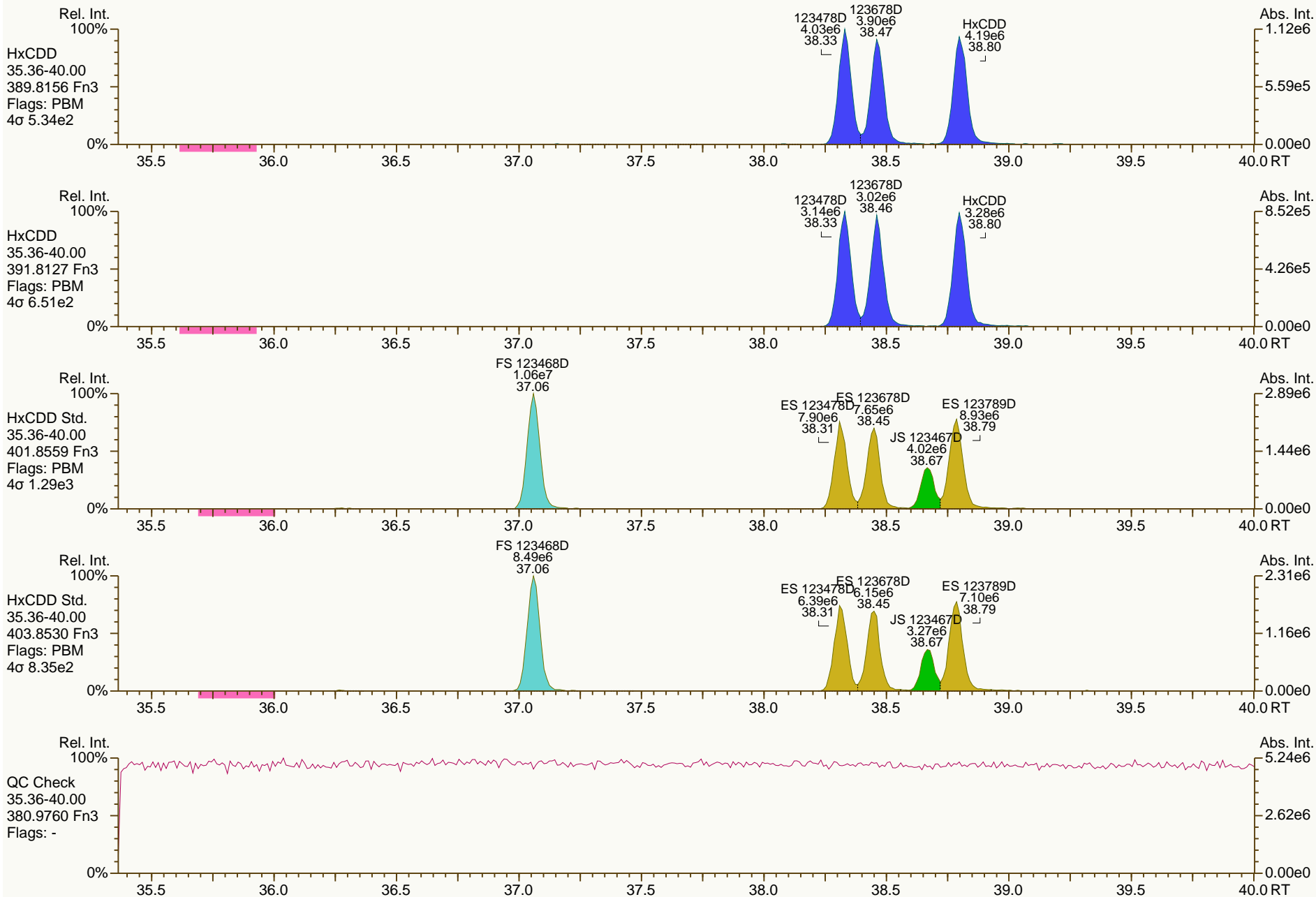
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SGS-AP ID: CS3_130511_DF_PB
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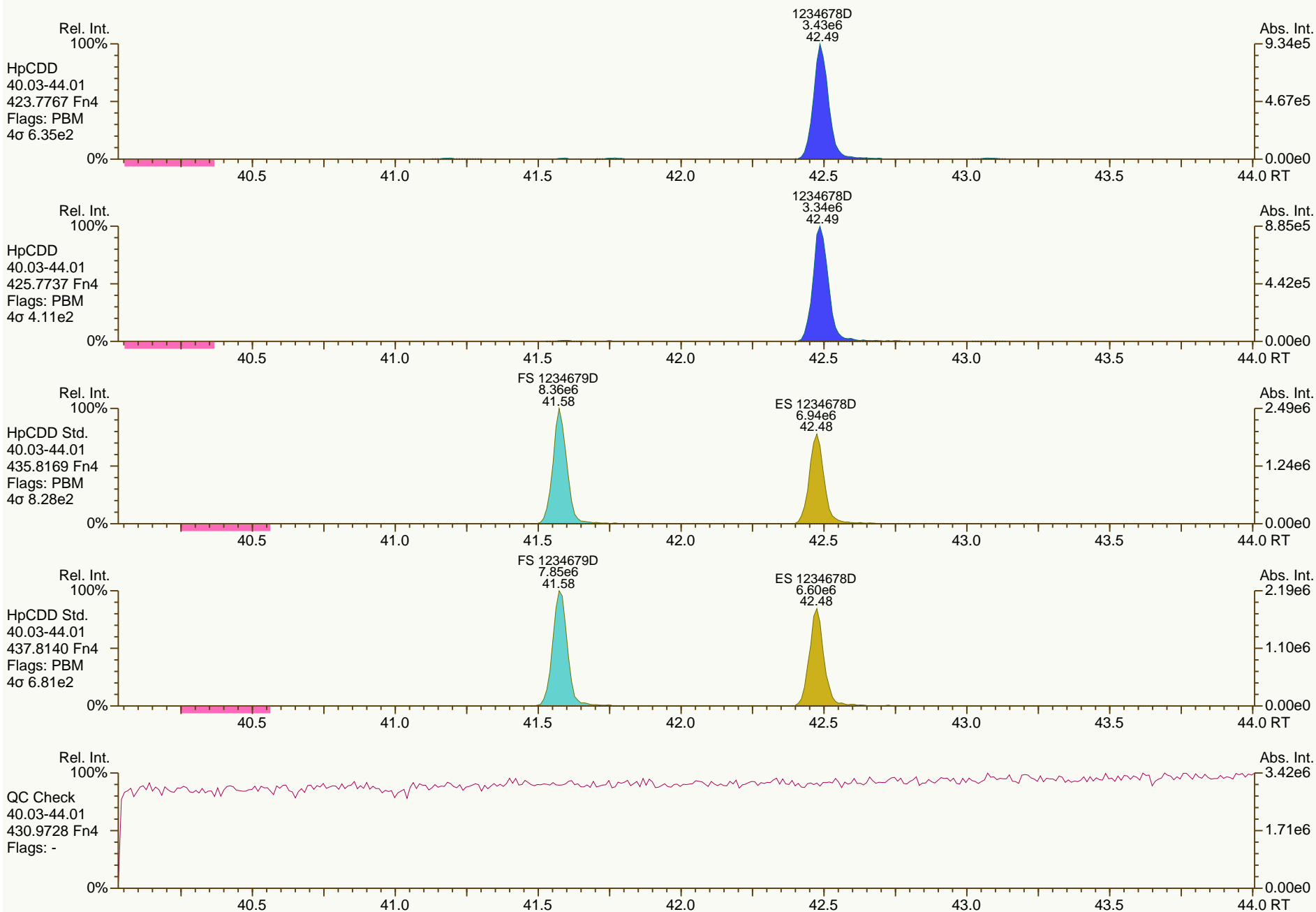
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

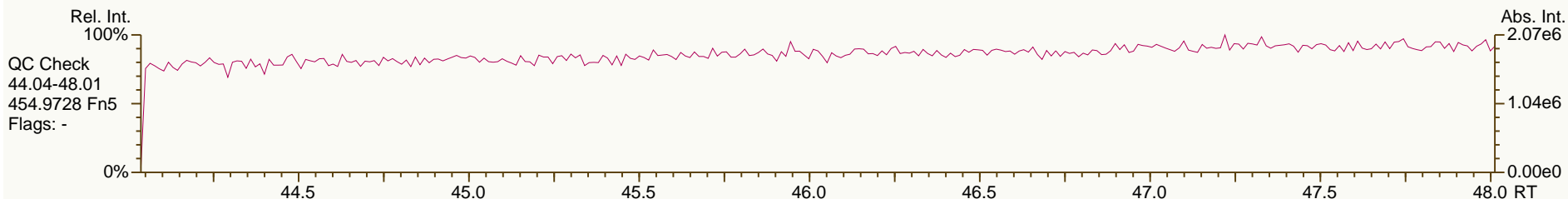
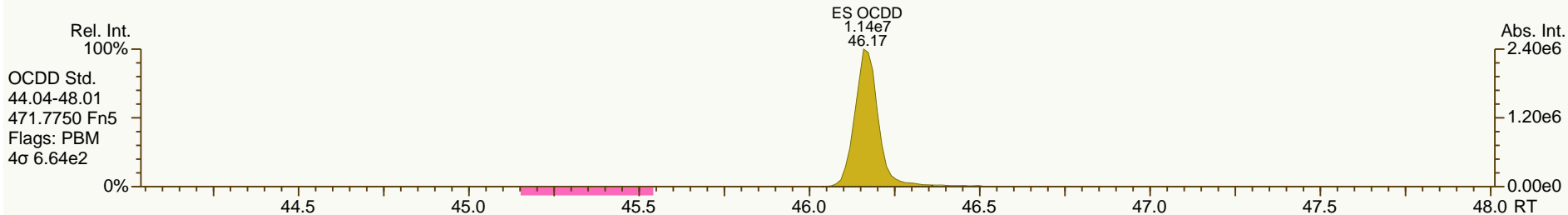
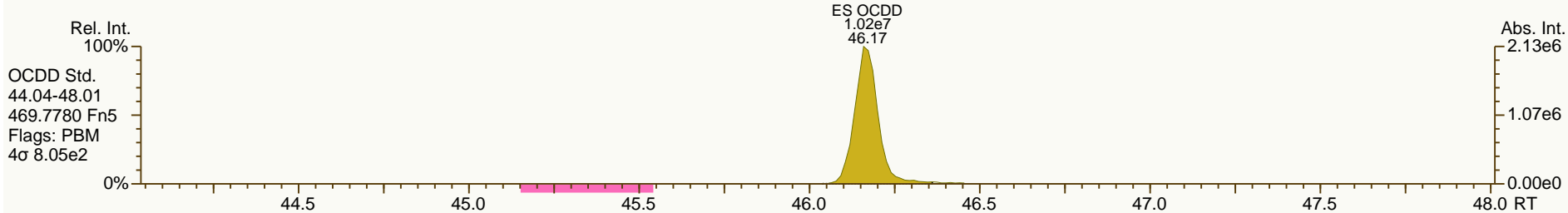
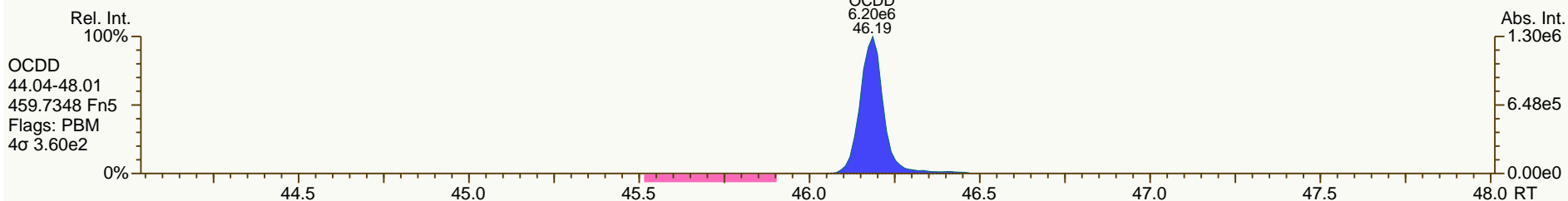
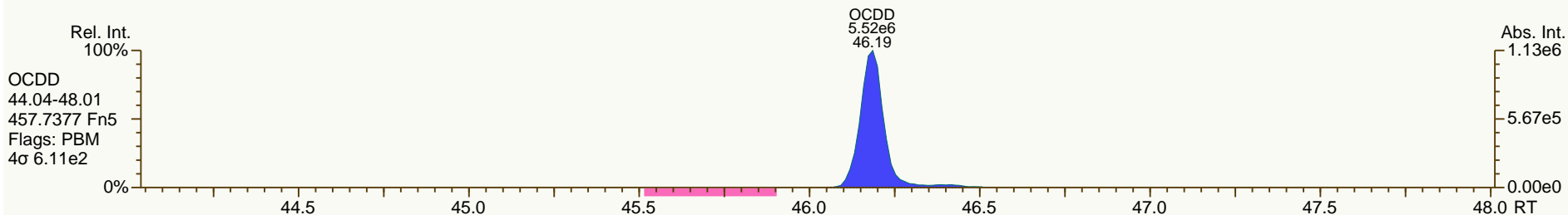
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

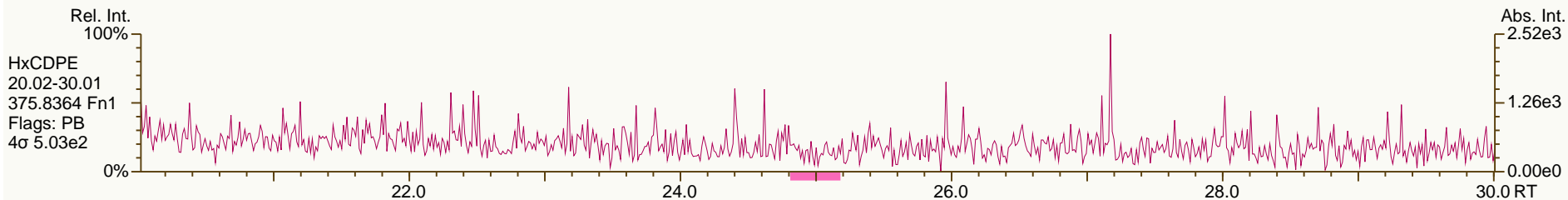
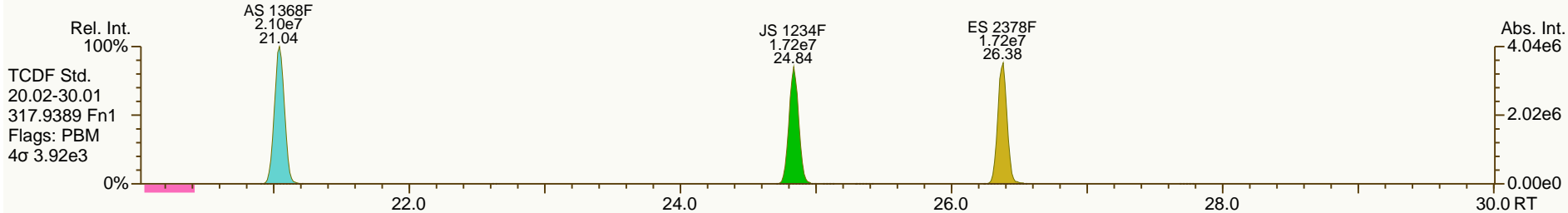
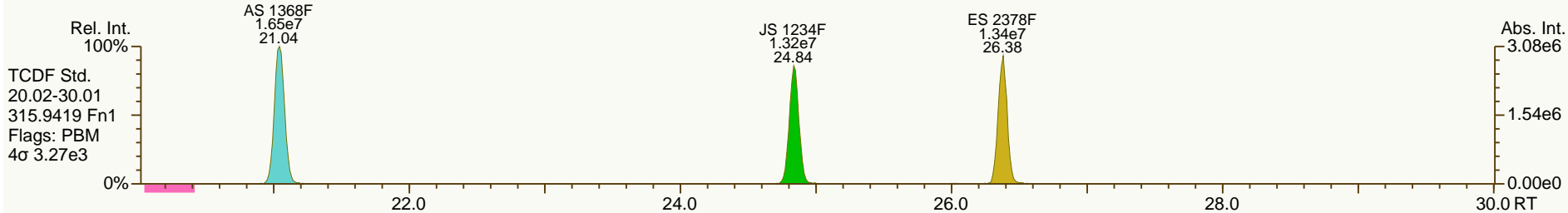
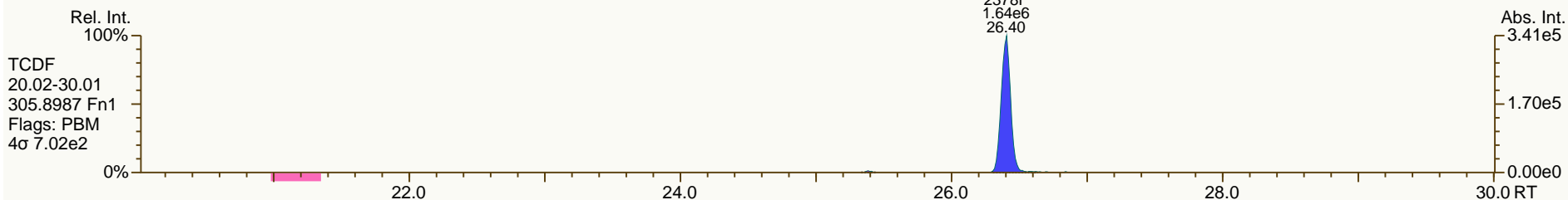
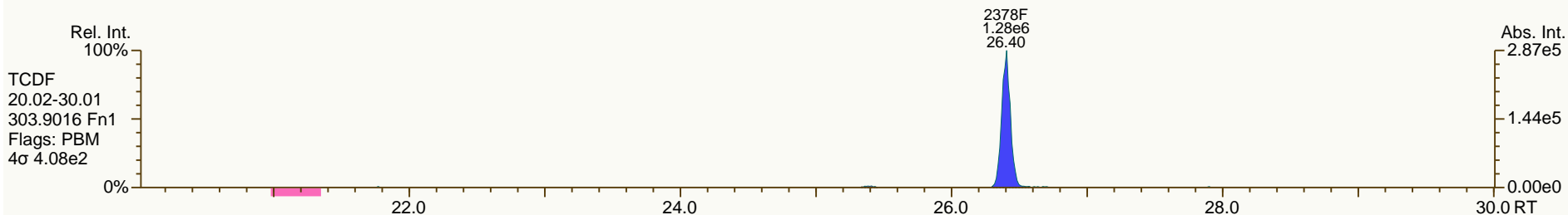
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

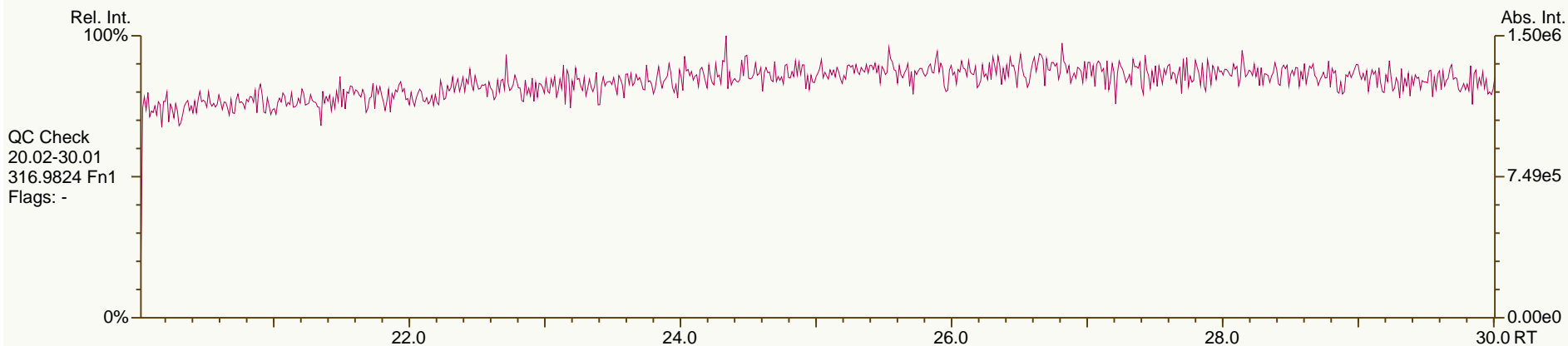
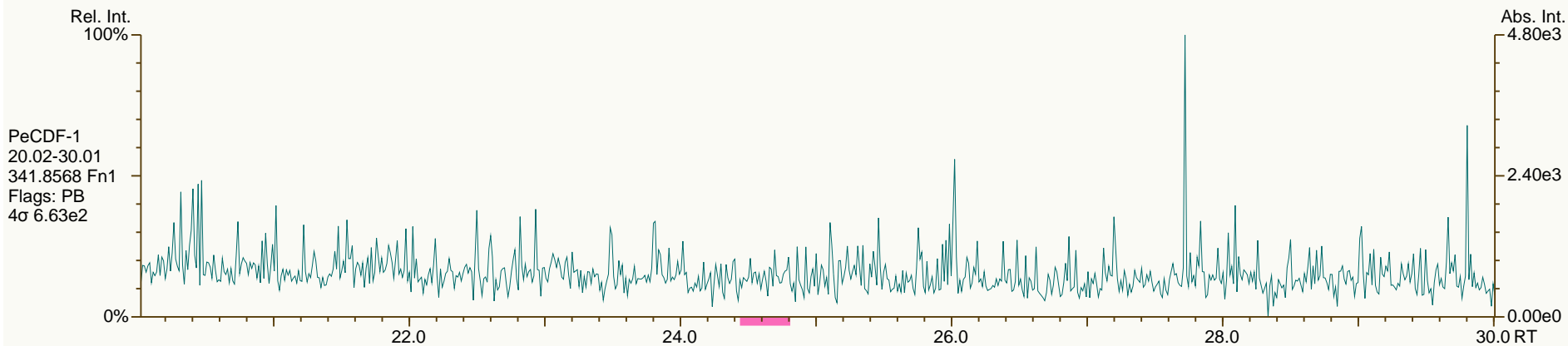
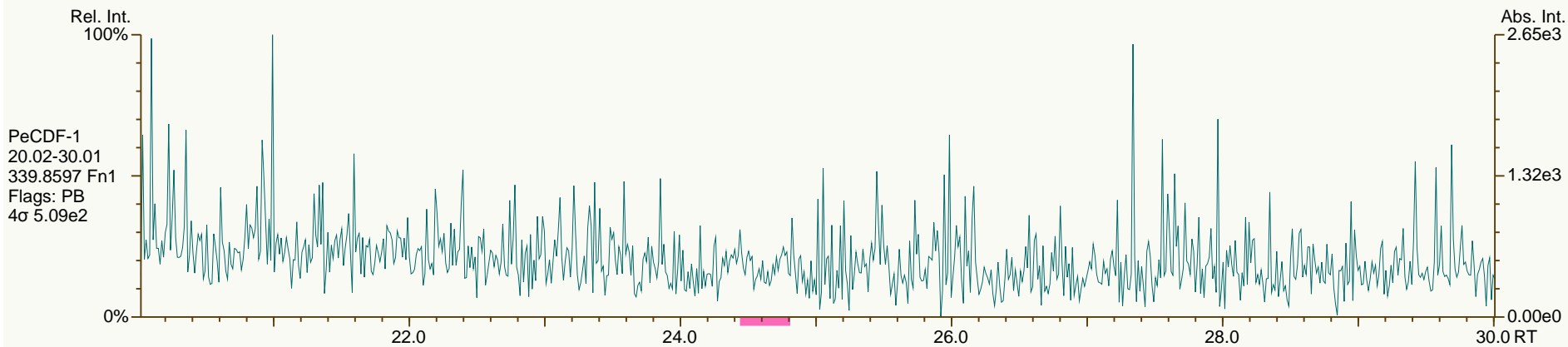
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SGS-AP ID: CS3_130511_DF_PB
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

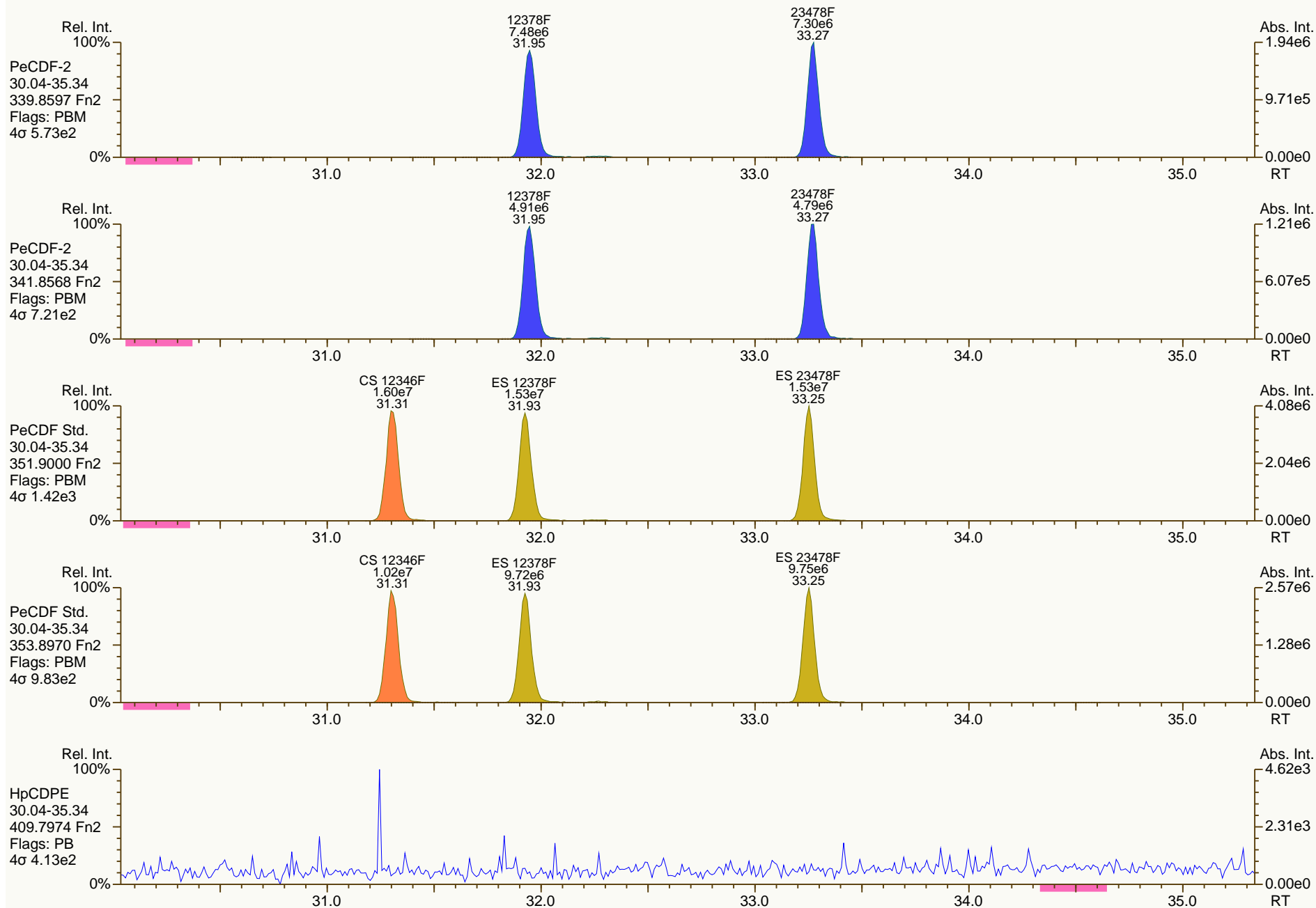
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SGS-AP ID: CS3_130511_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

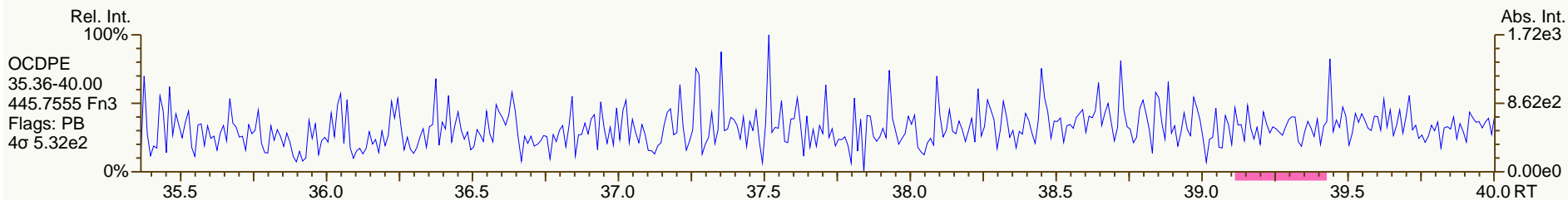
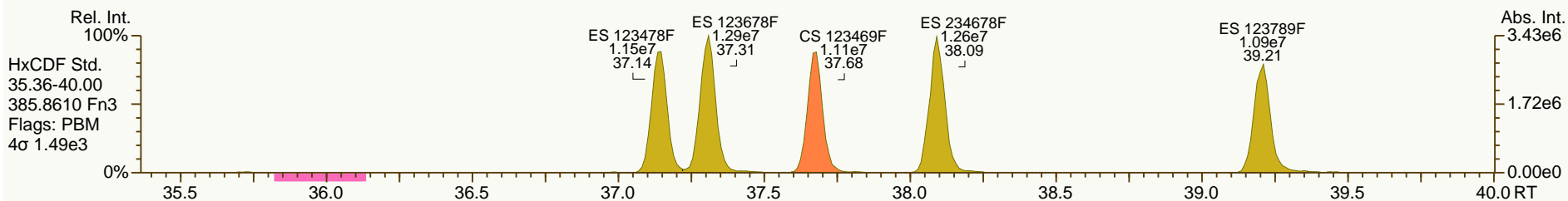
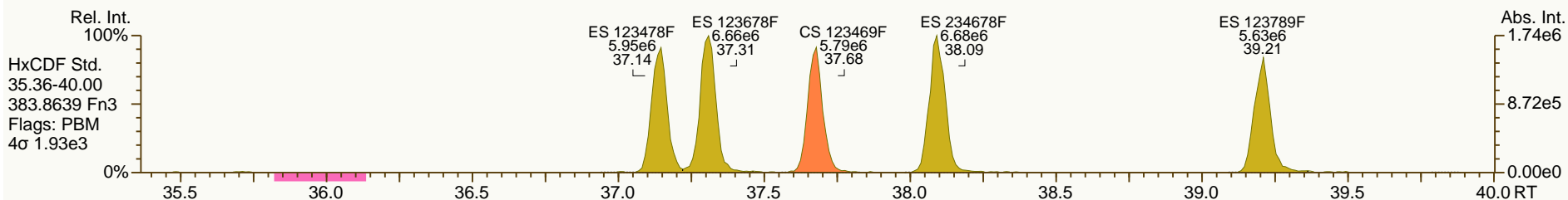
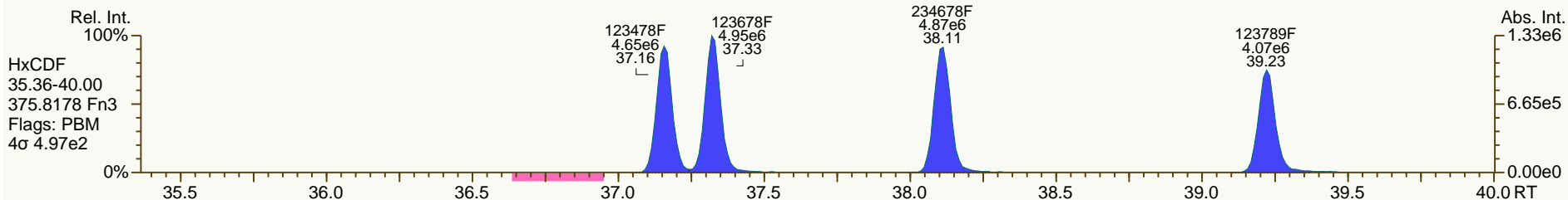
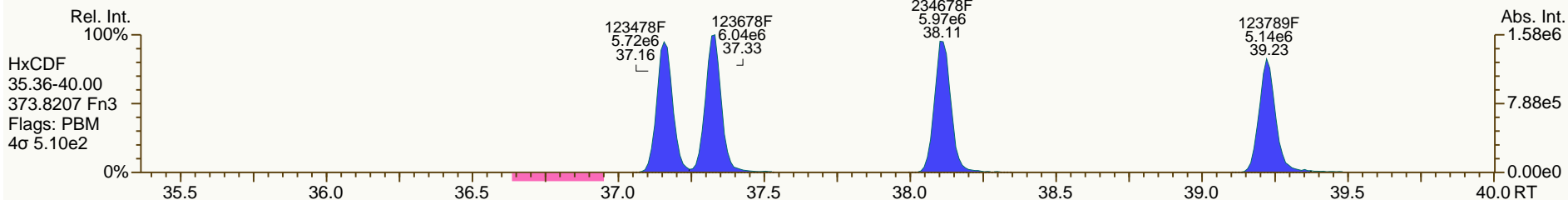
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

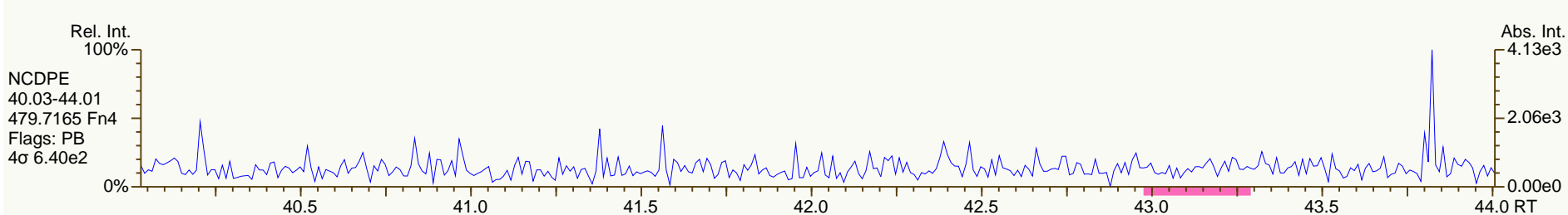
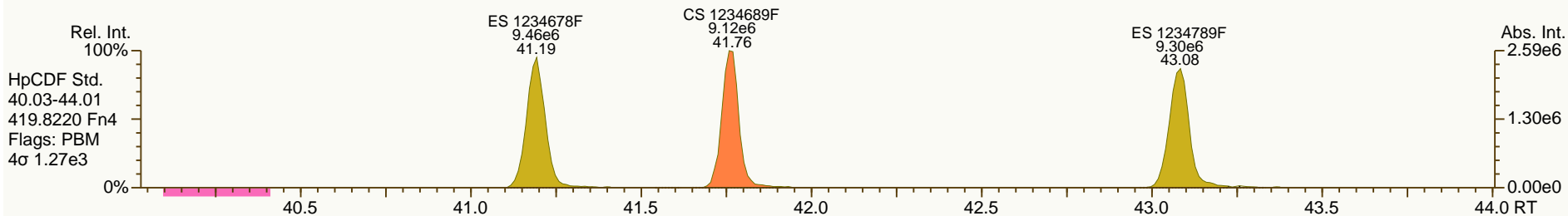
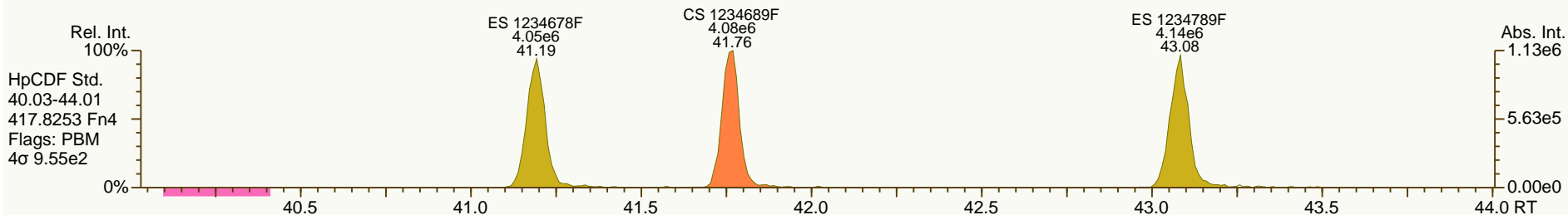
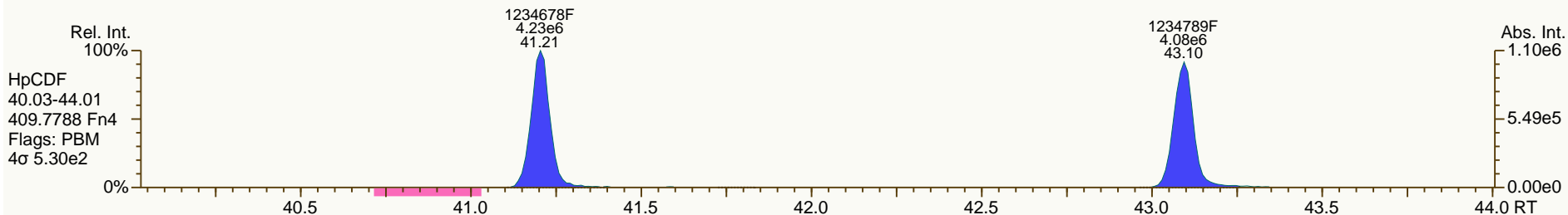
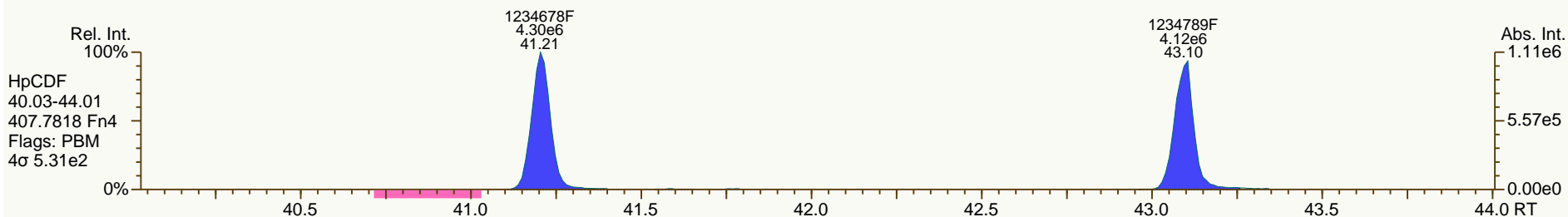
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

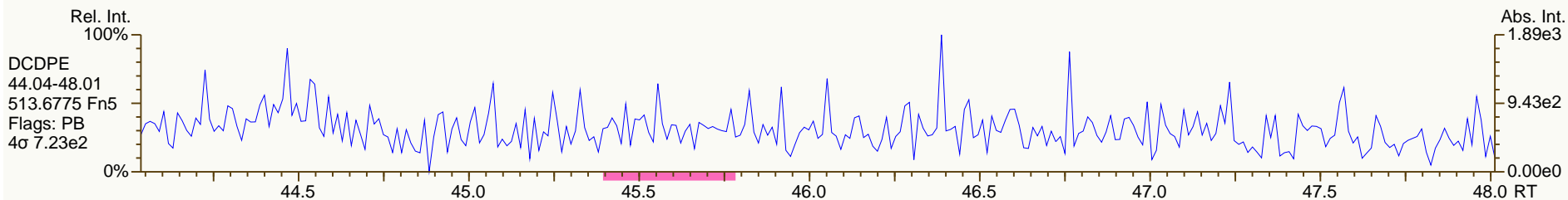
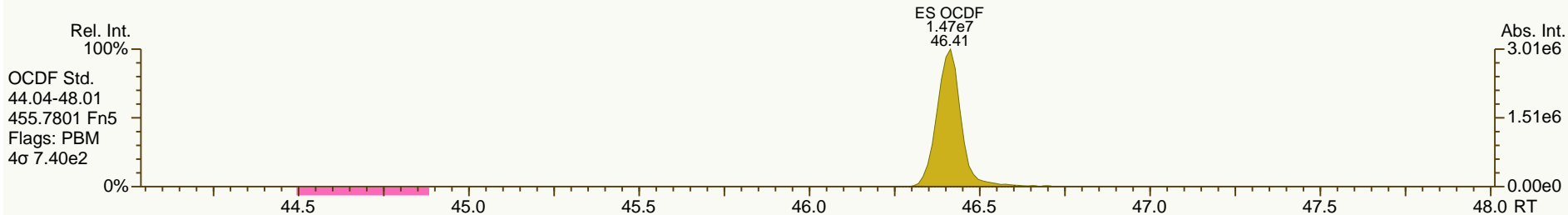
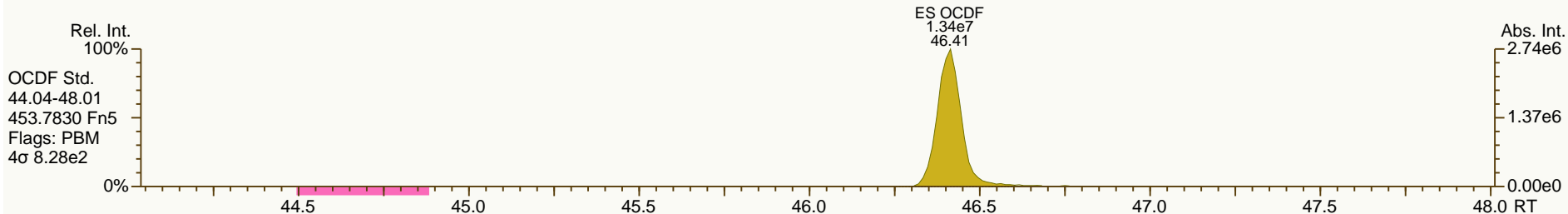
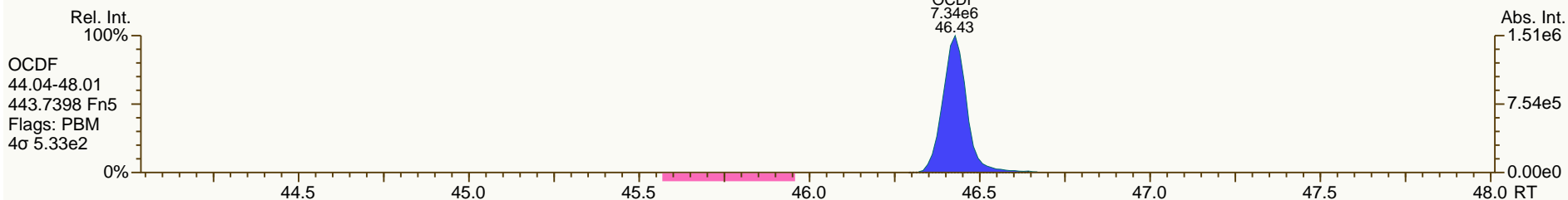
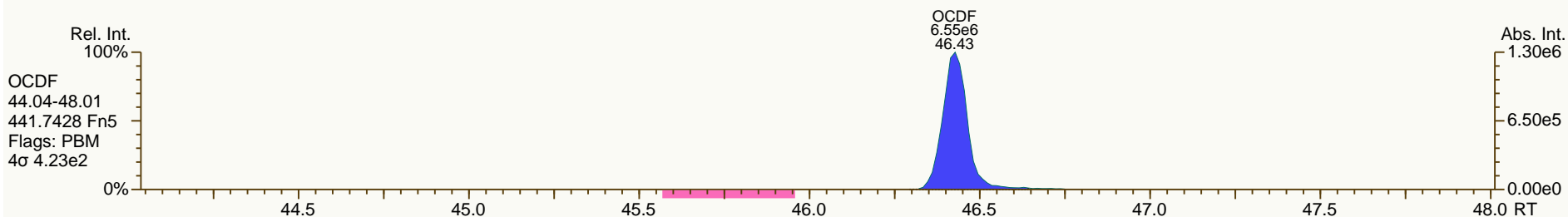
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SGS-AP ID: CS3_130511_DF_PB
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

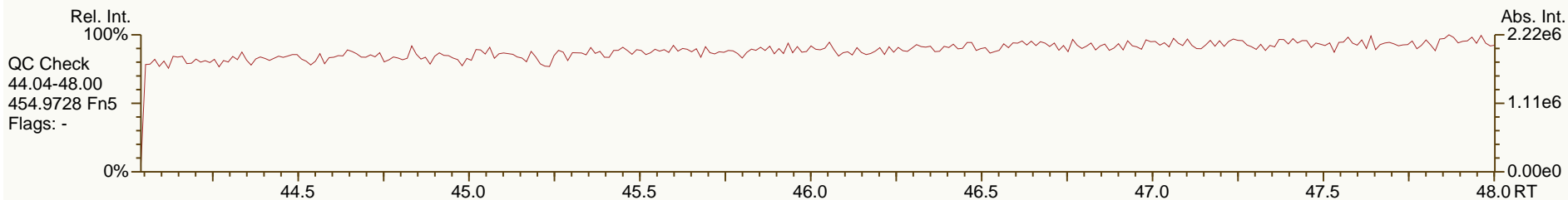
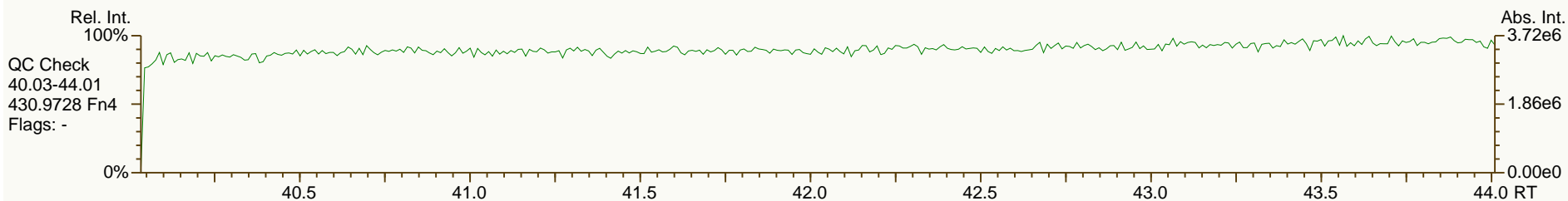
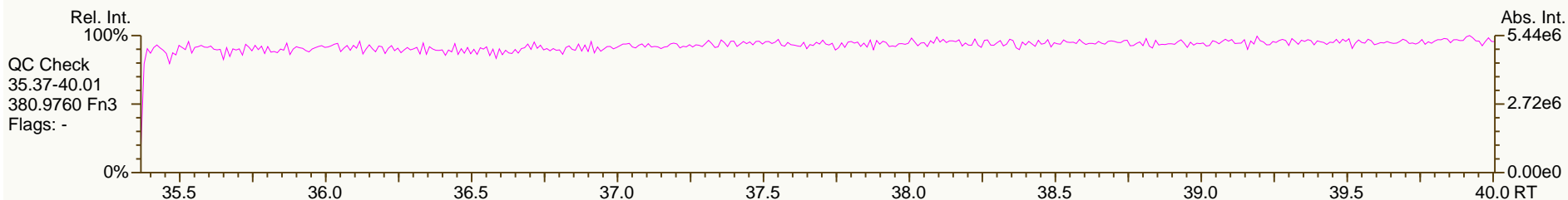
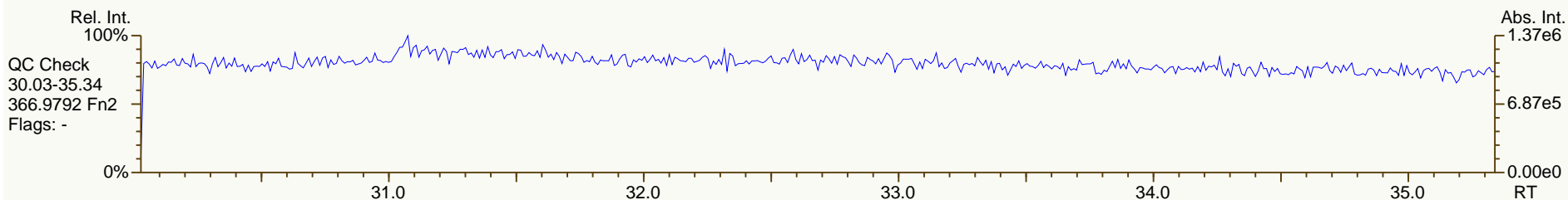
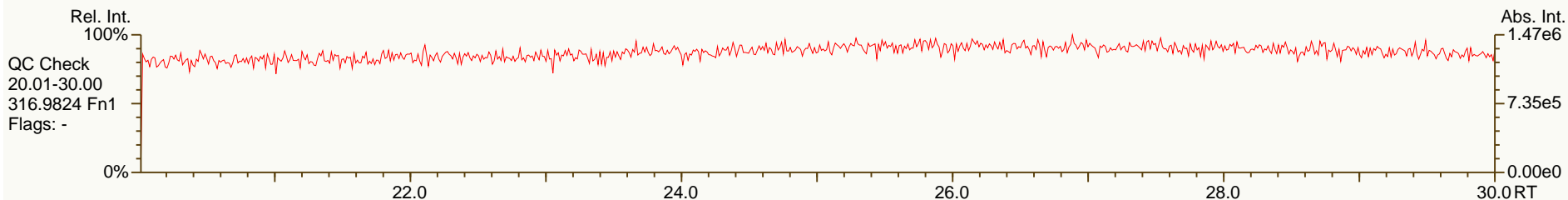
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

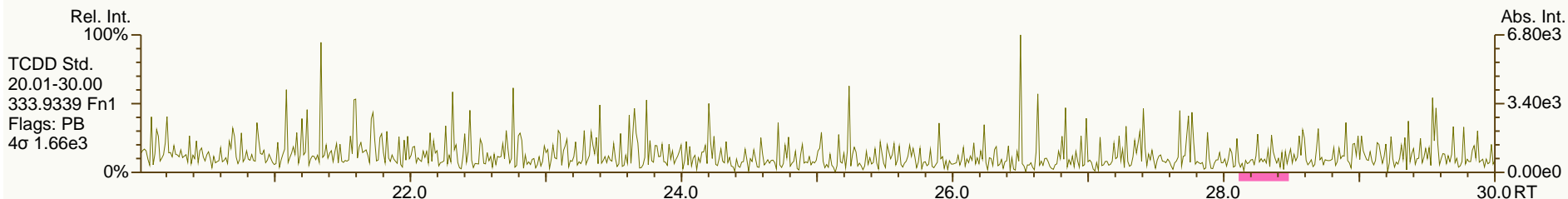
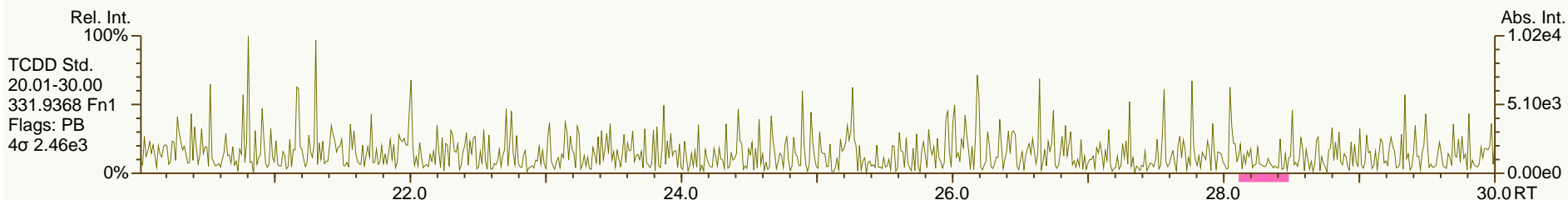
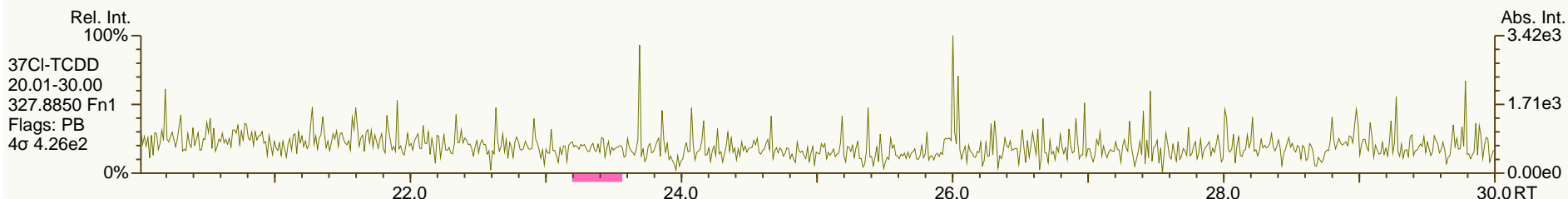
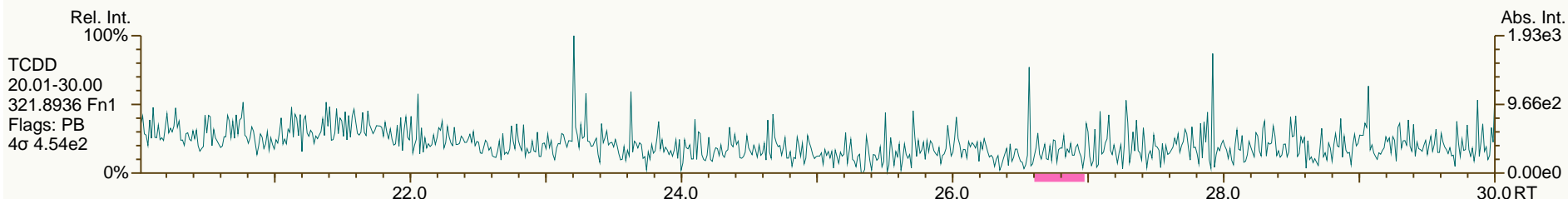
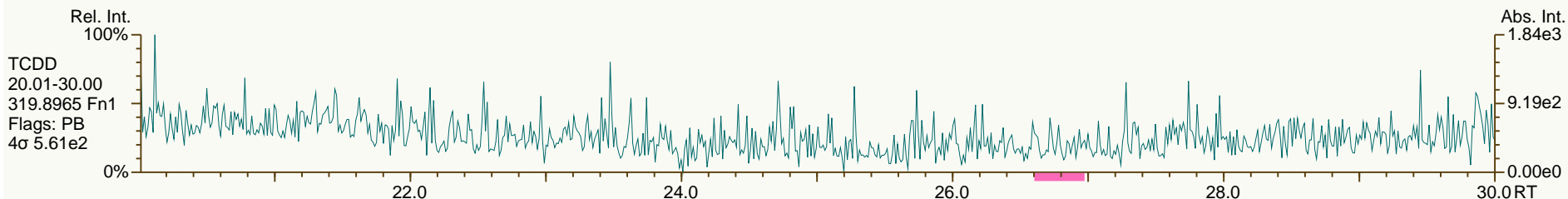
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

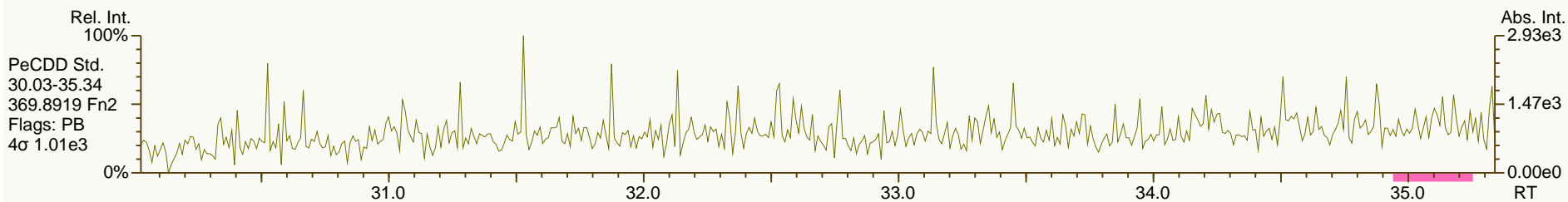
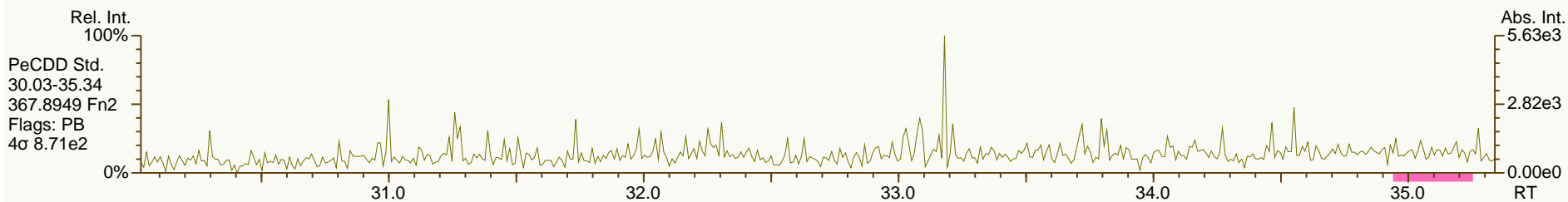
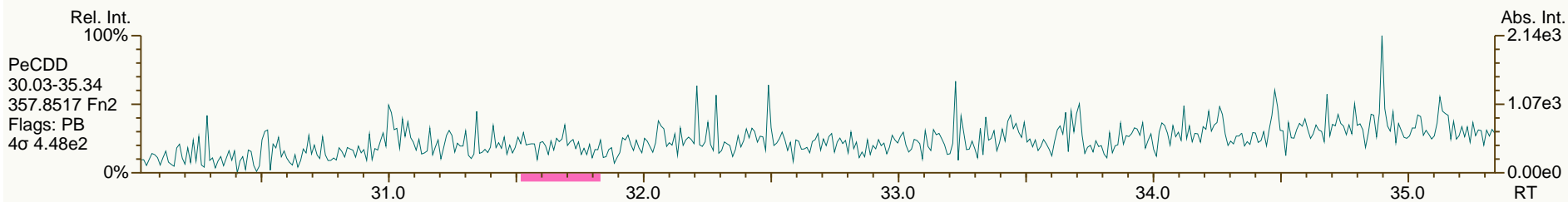
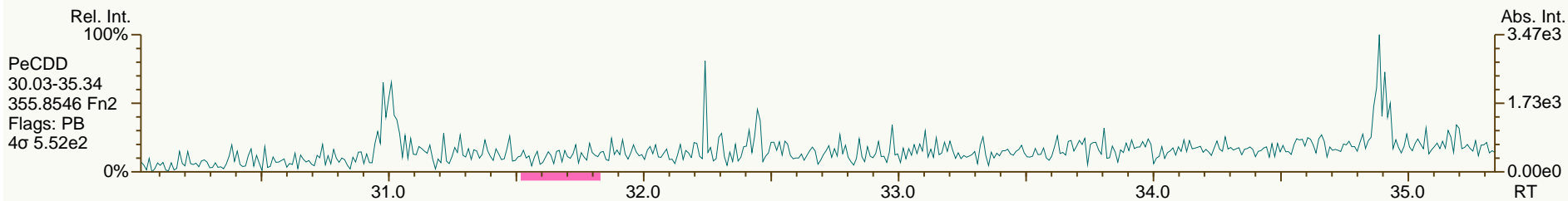
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 User: MDC Datafile: 130511P3-03



SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

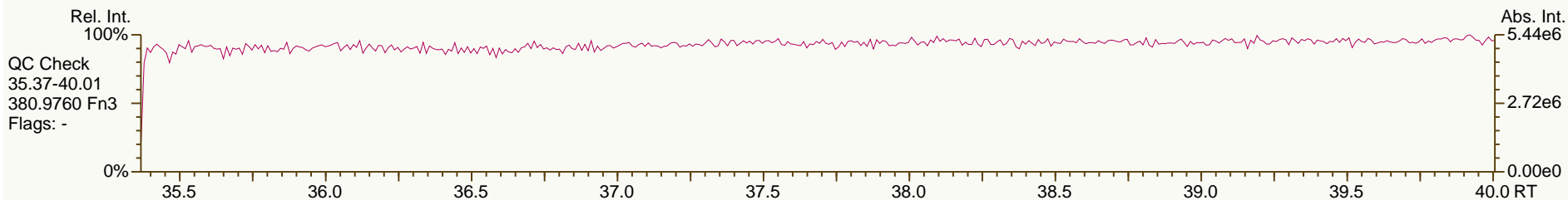
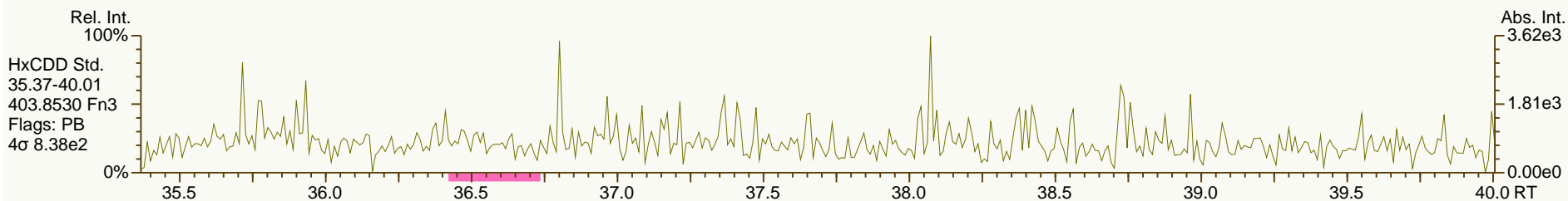
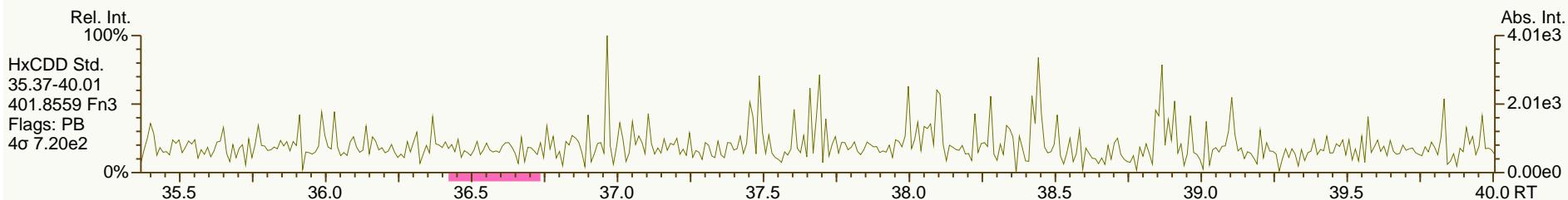
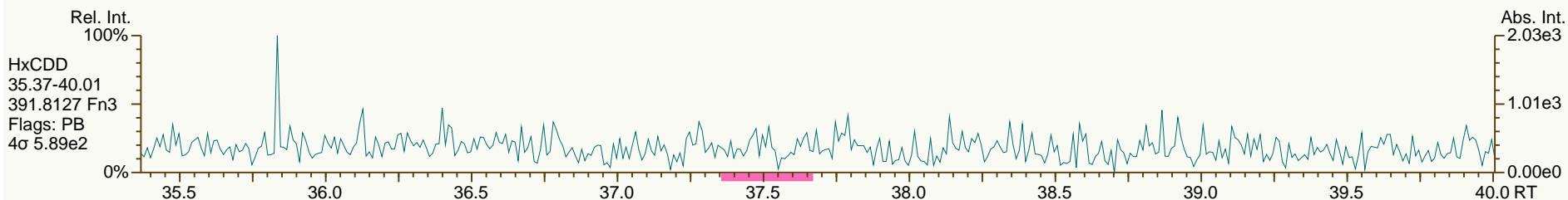
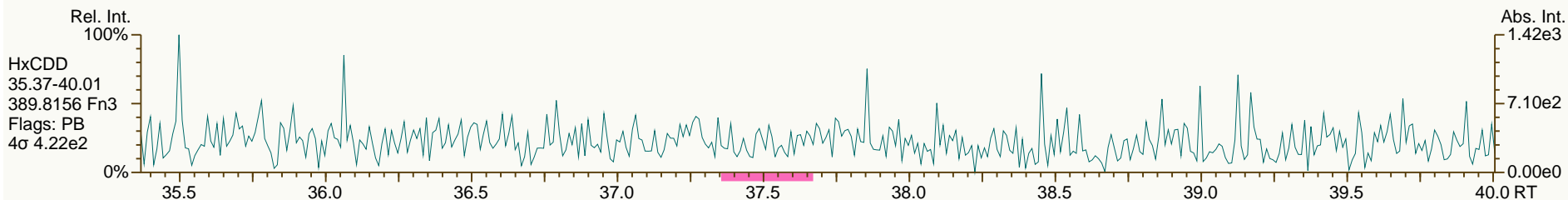
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

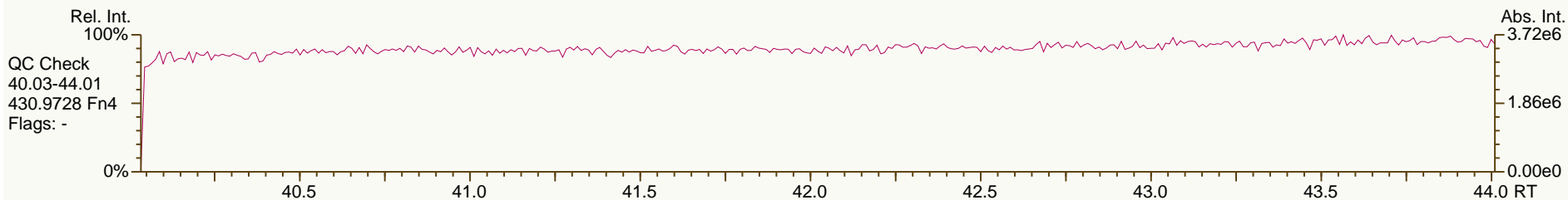
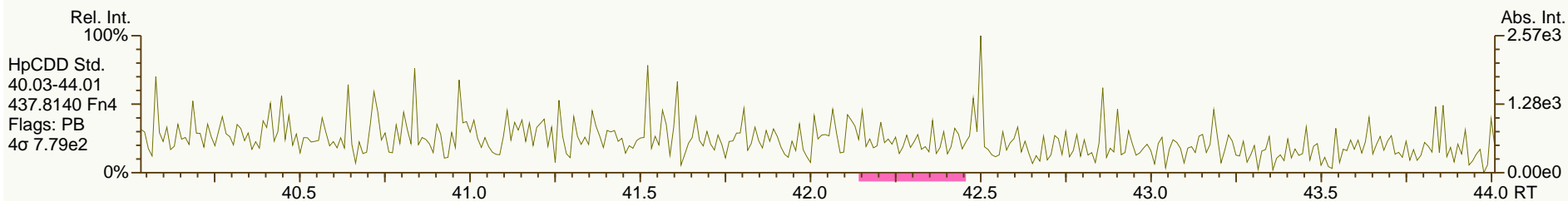
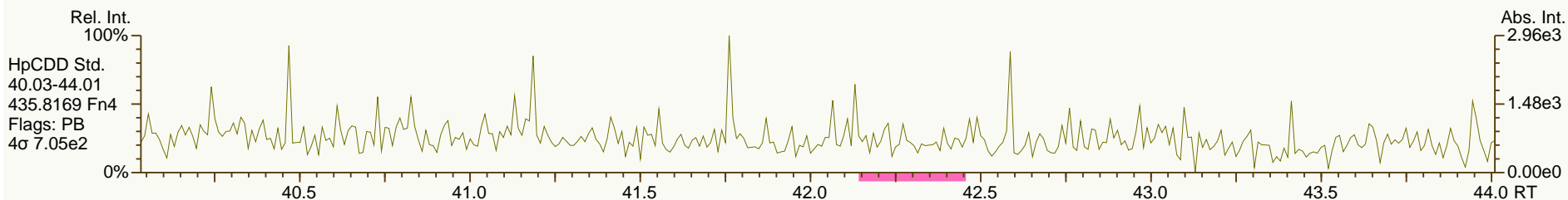
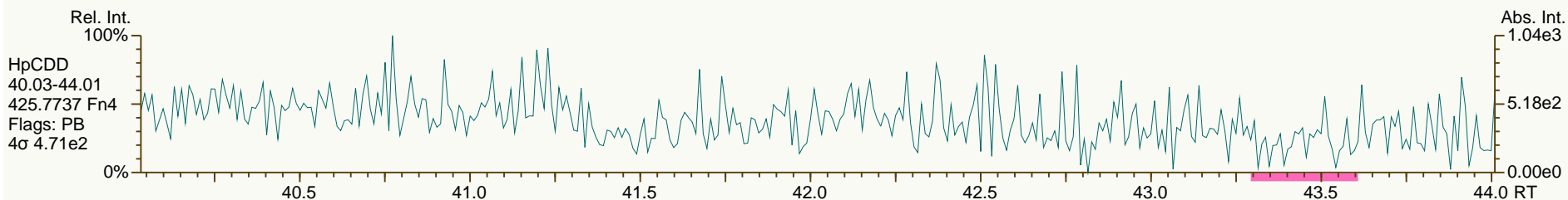
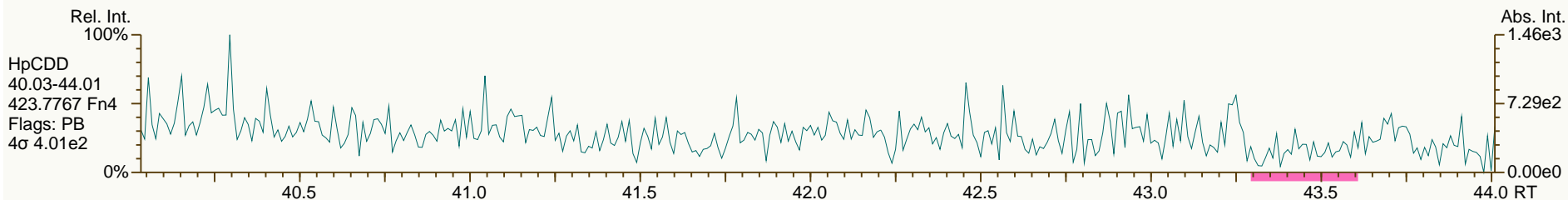
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

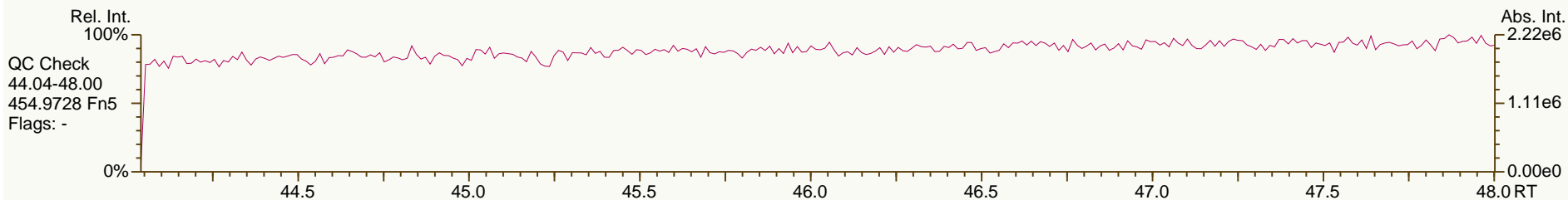
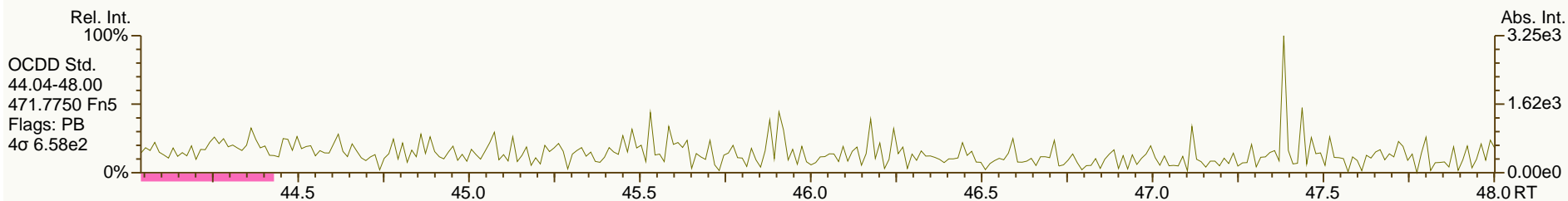
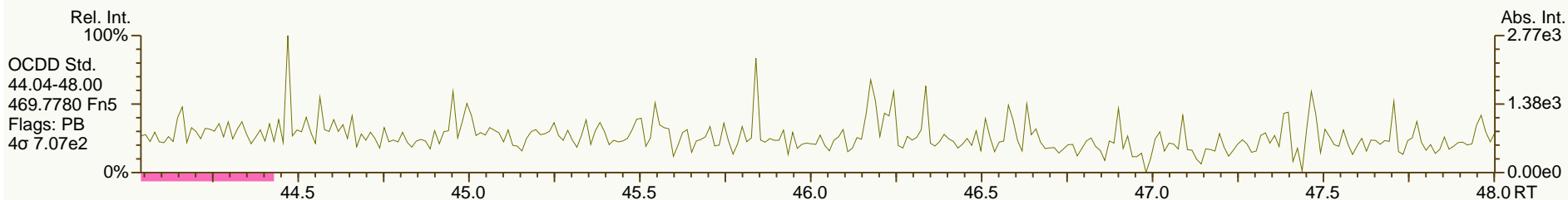
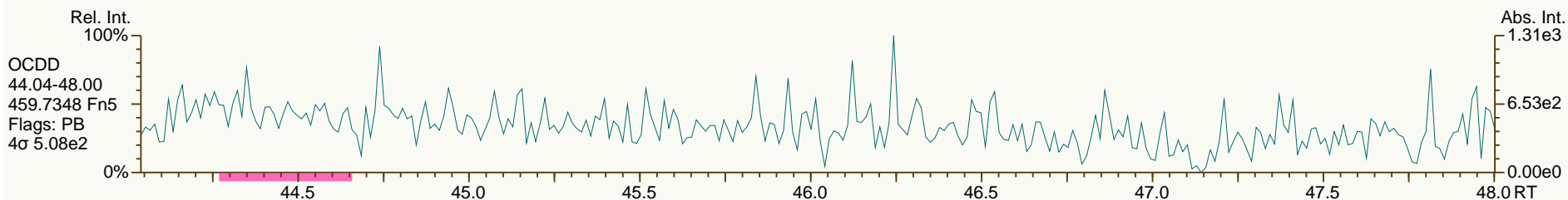
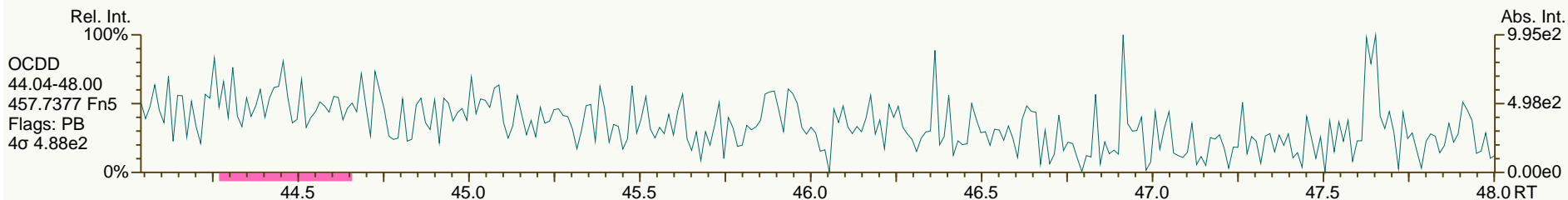
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

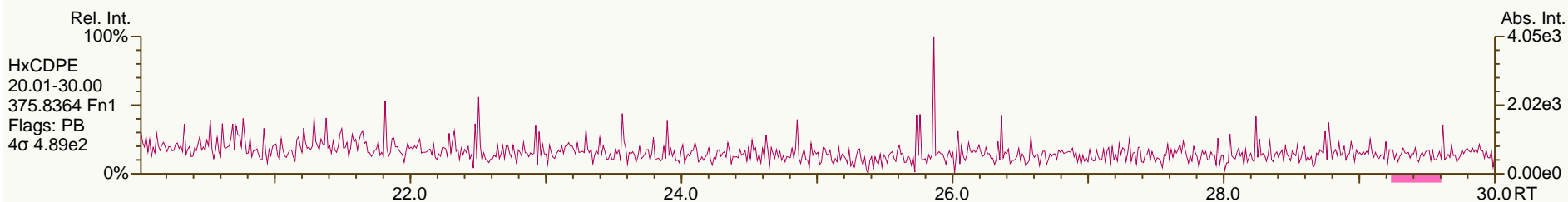
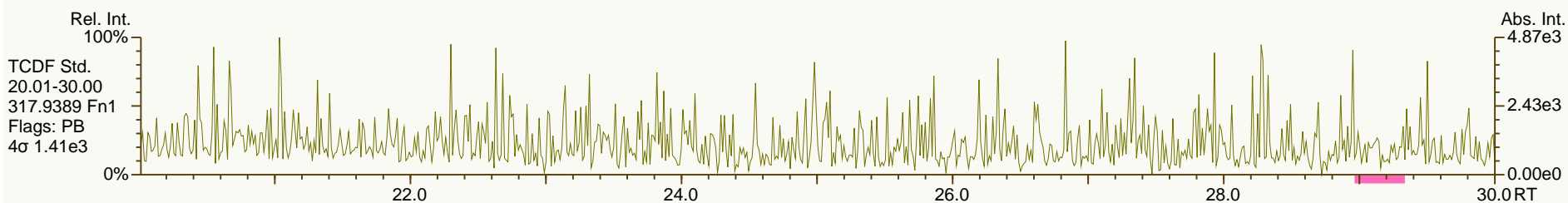
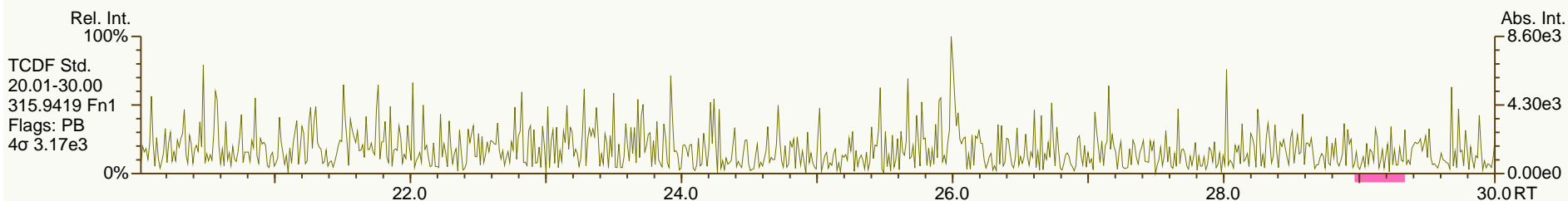
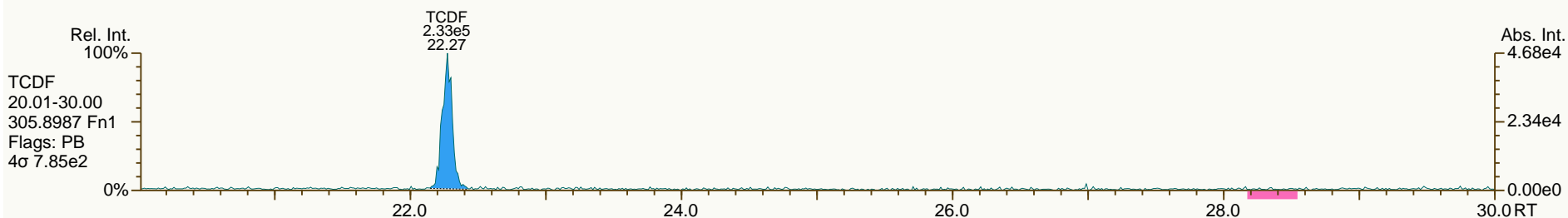
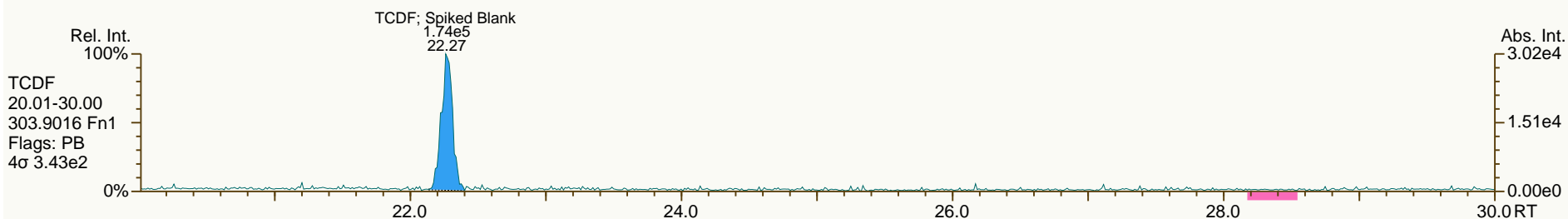
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

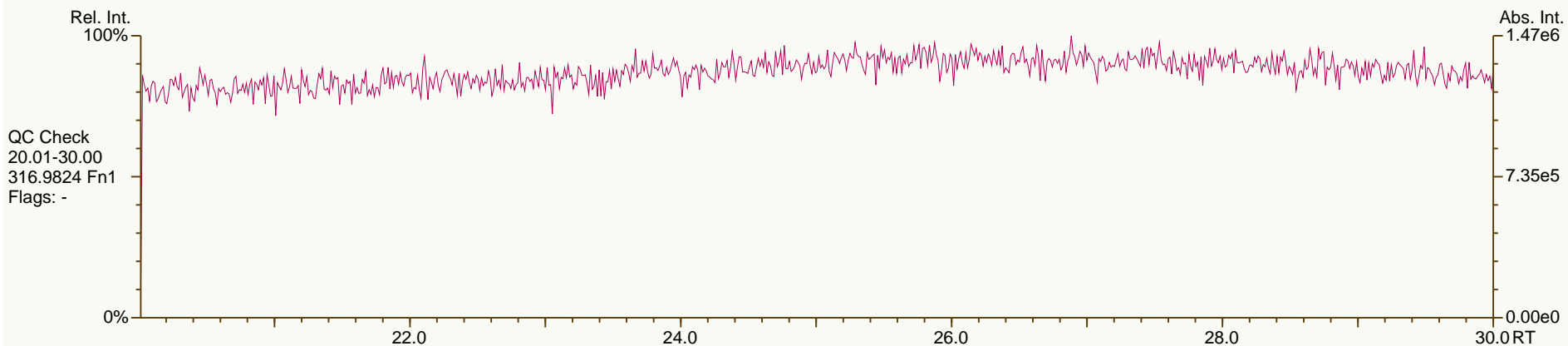
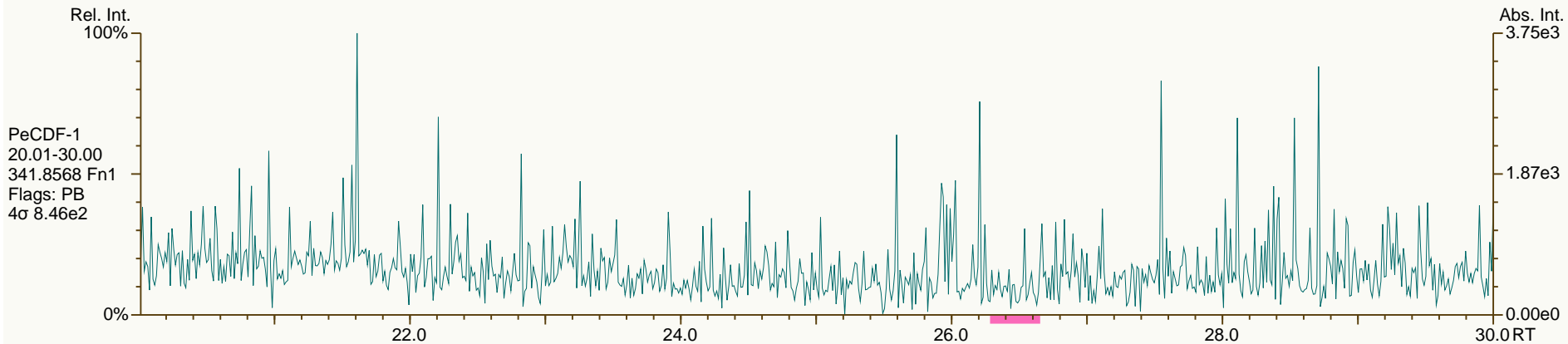
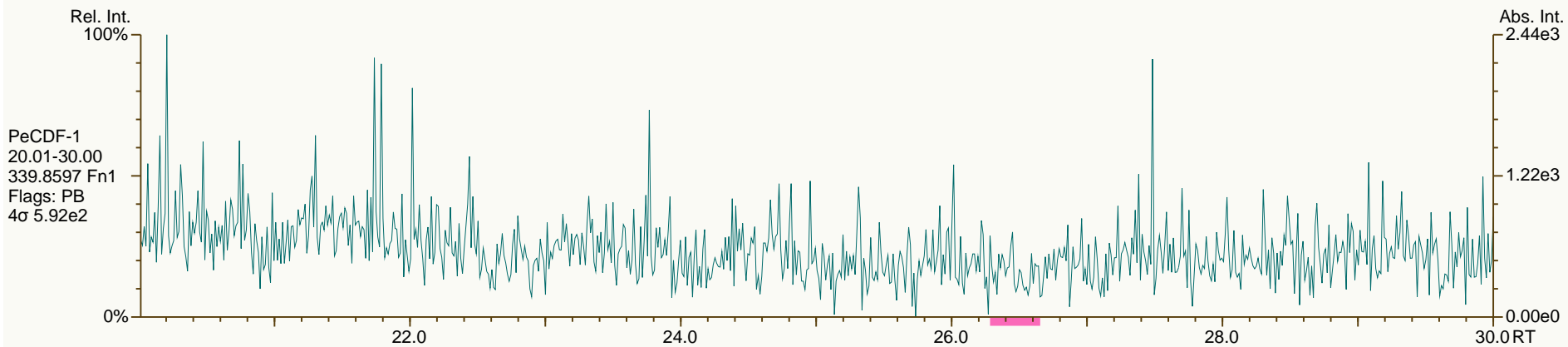
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

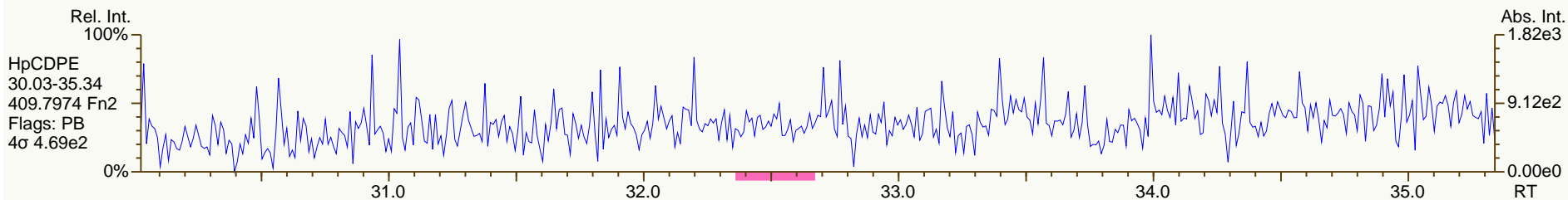
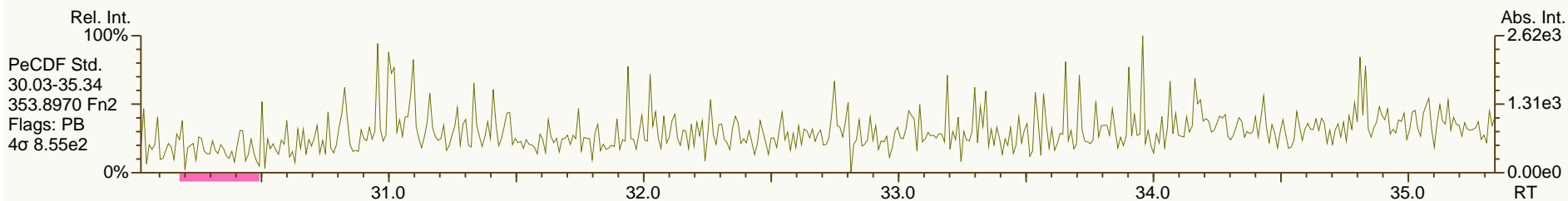
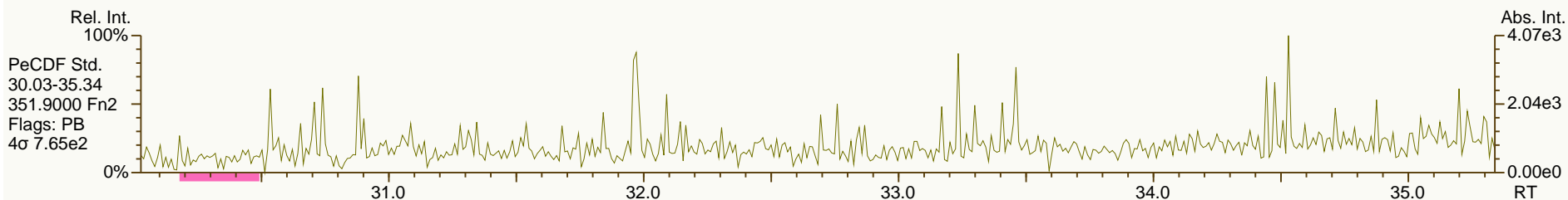
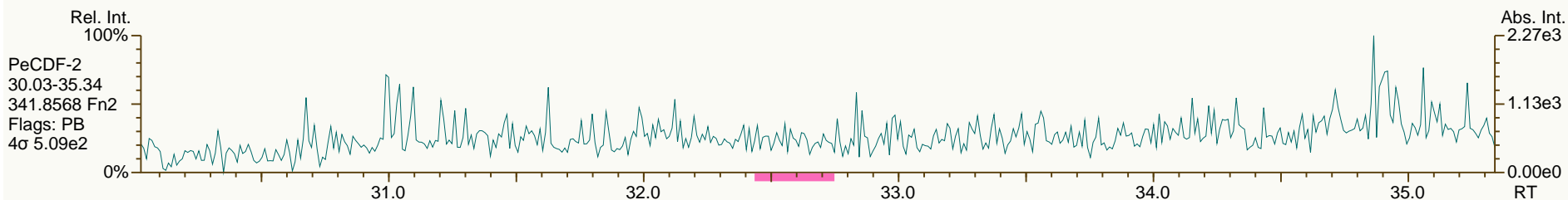
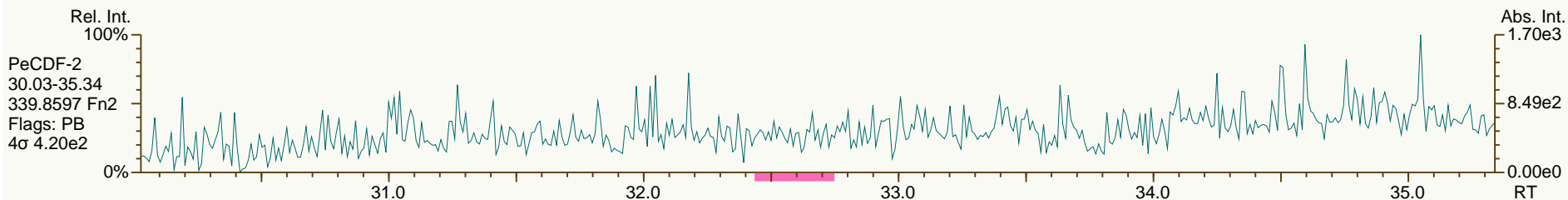
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

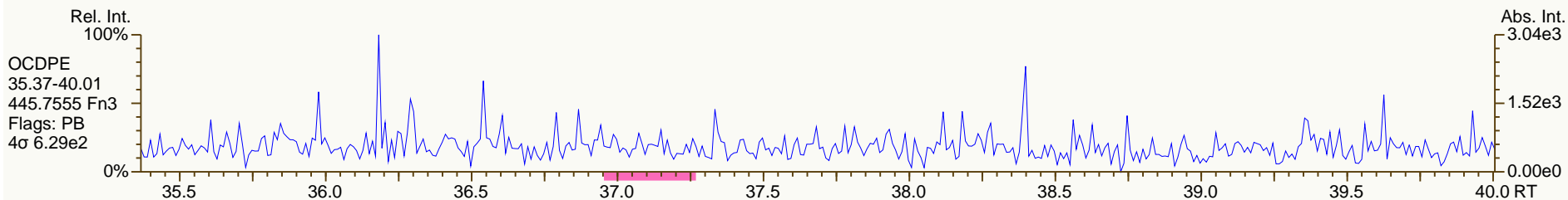
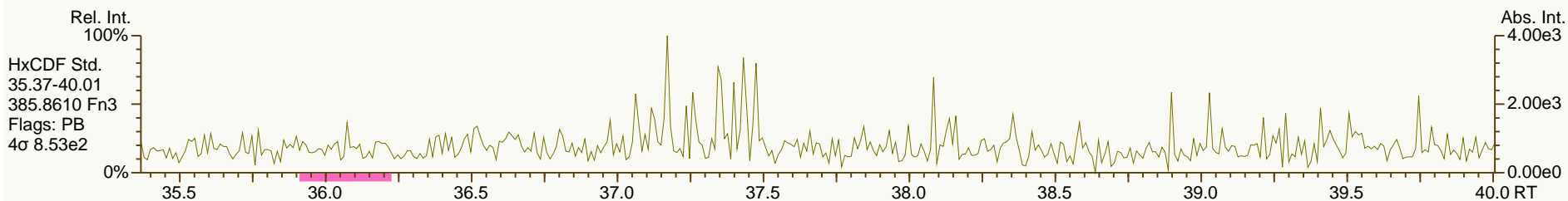
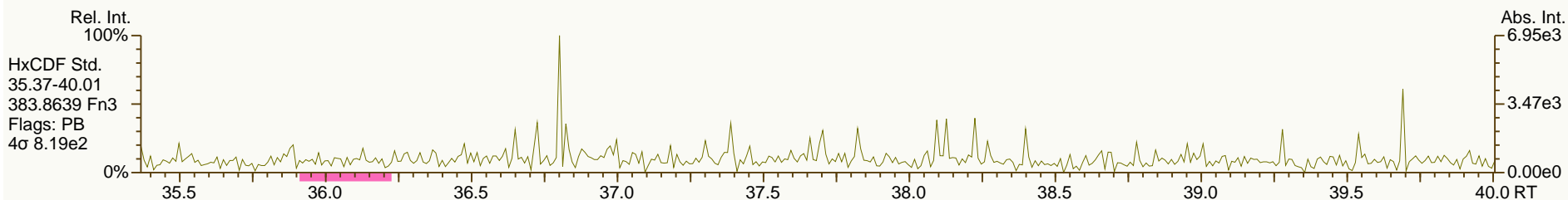
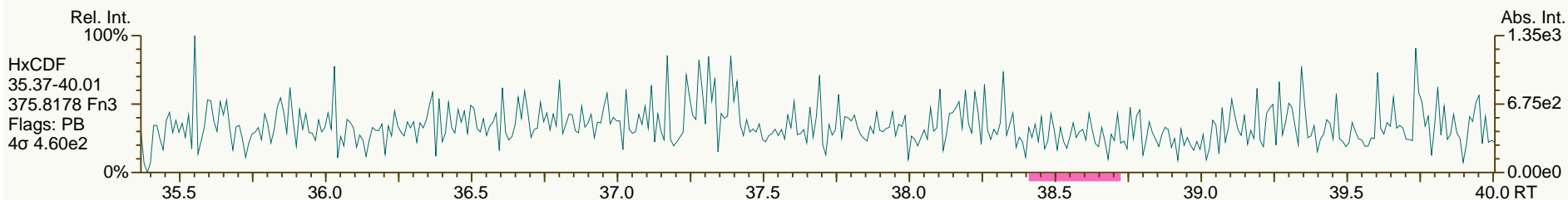
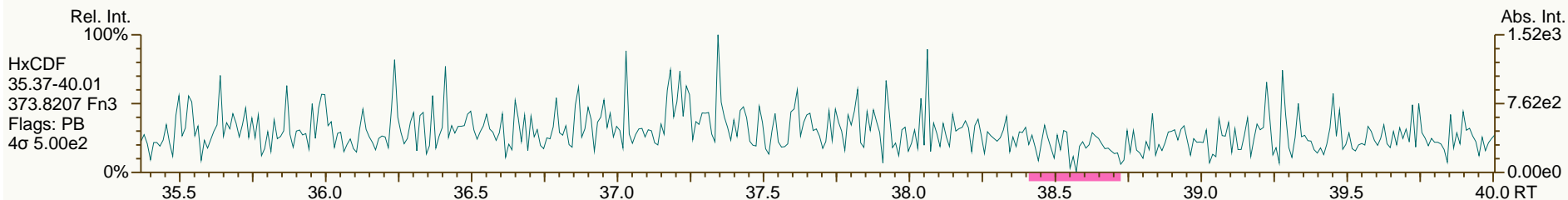
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

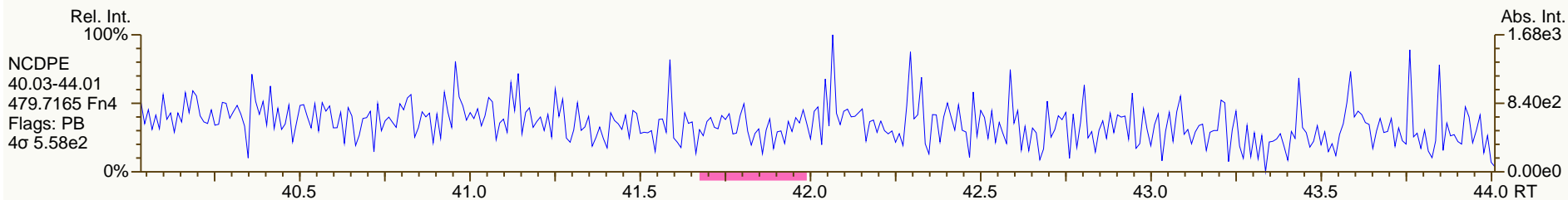
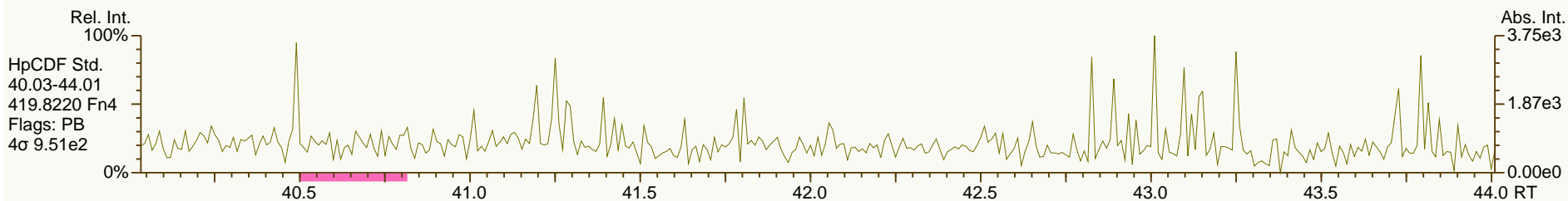
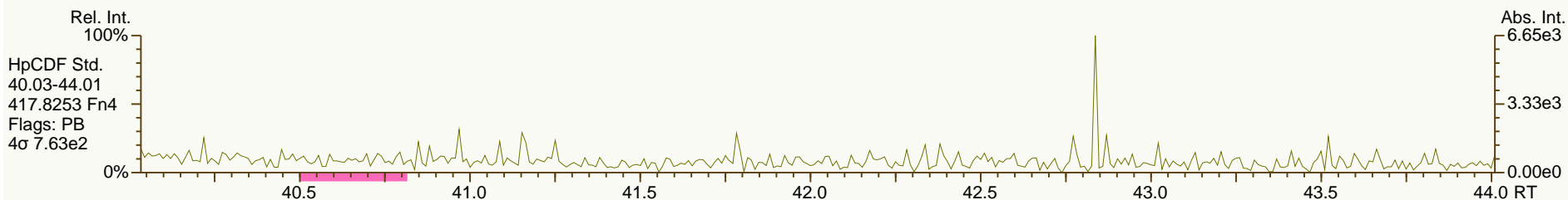
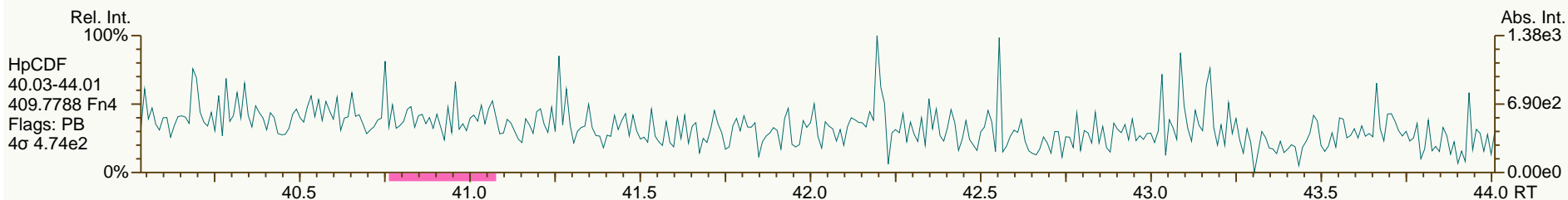
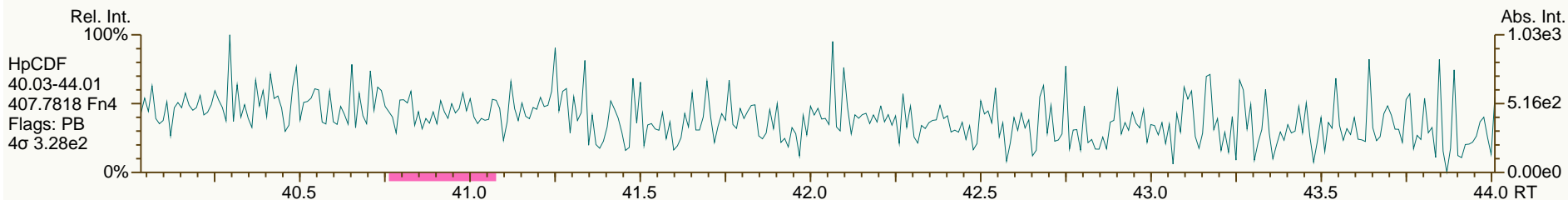
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

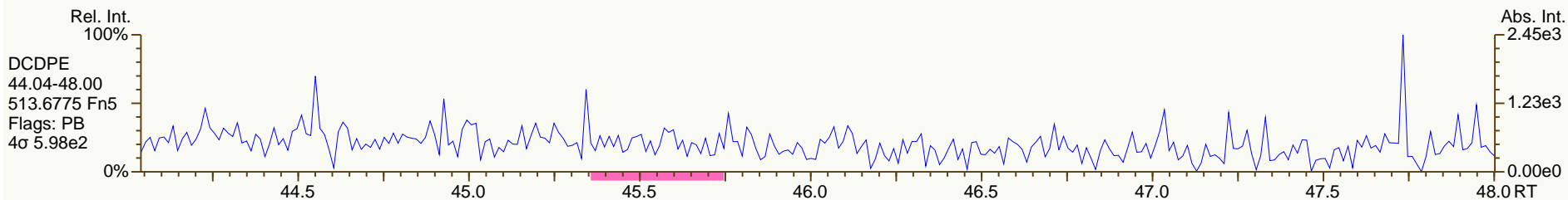
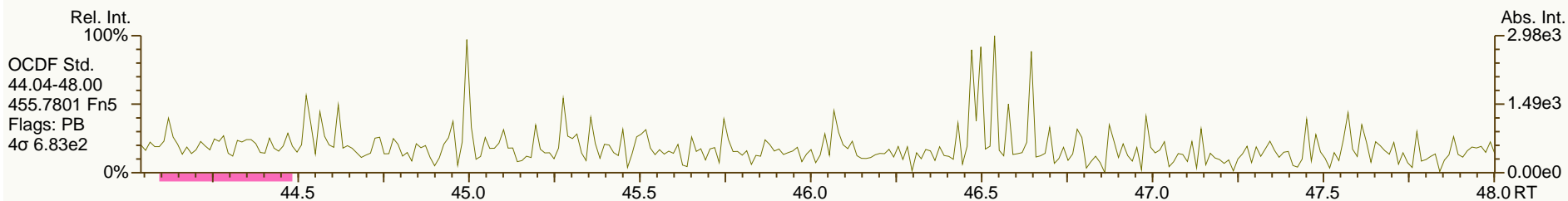
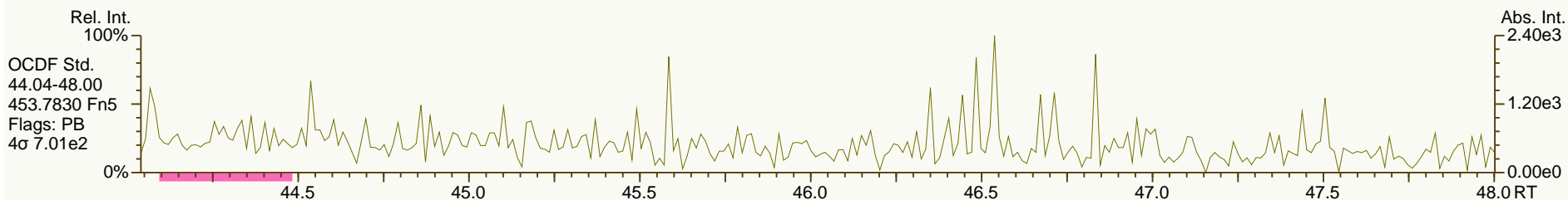
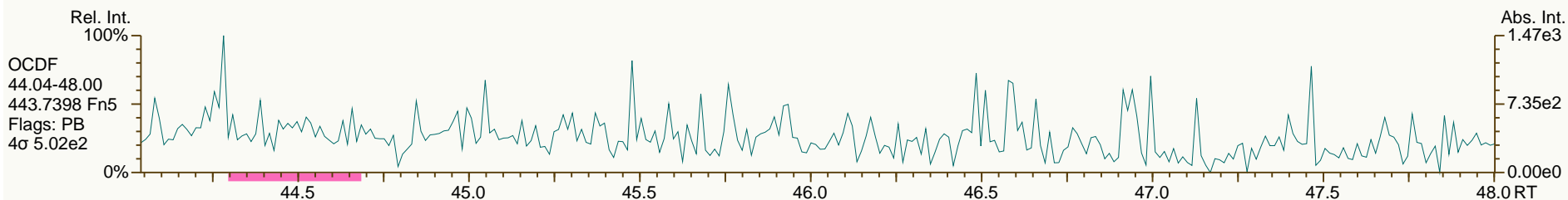
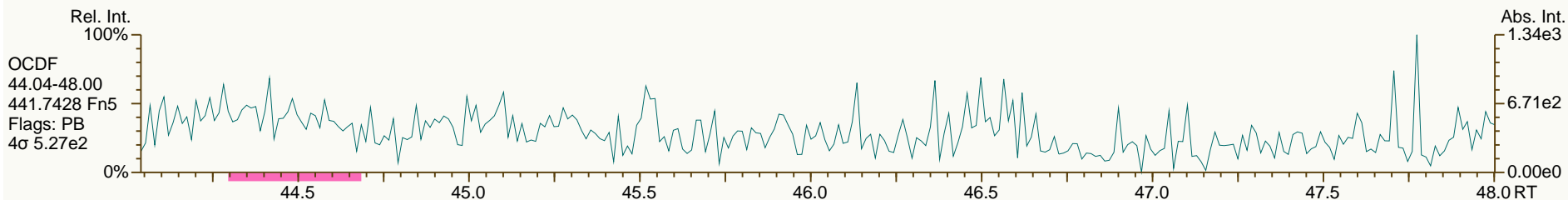
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SGS-AP ID: SBS_130511_DF_PD
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

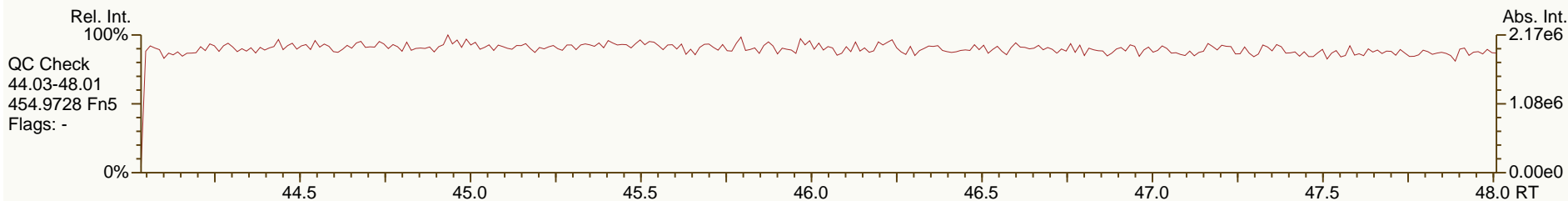
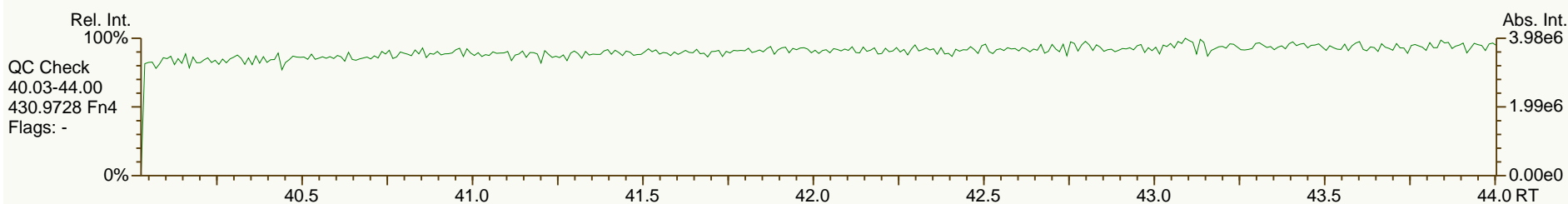
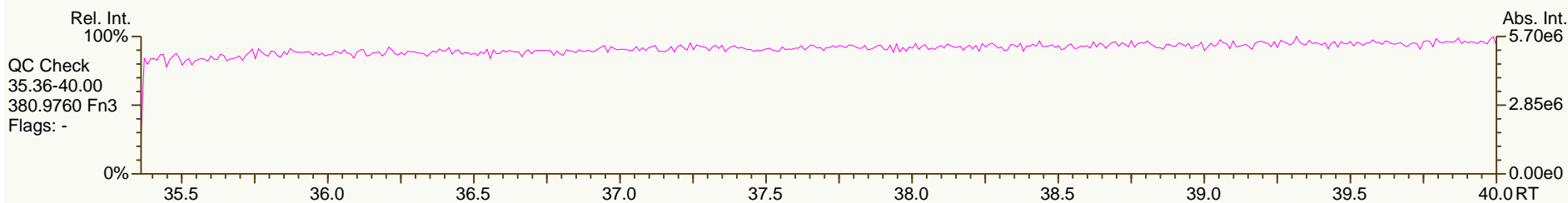
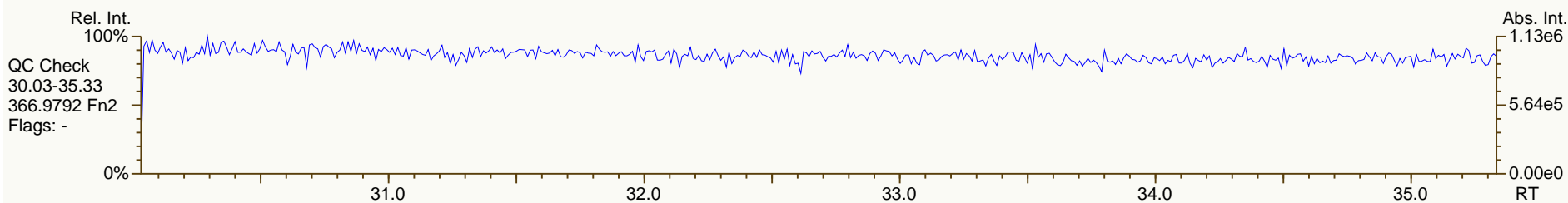
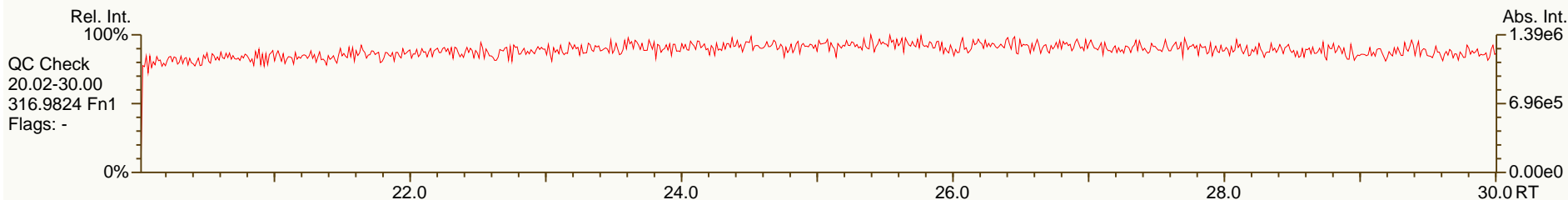
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SGS-AP ID: SBS_130511_DF_PE
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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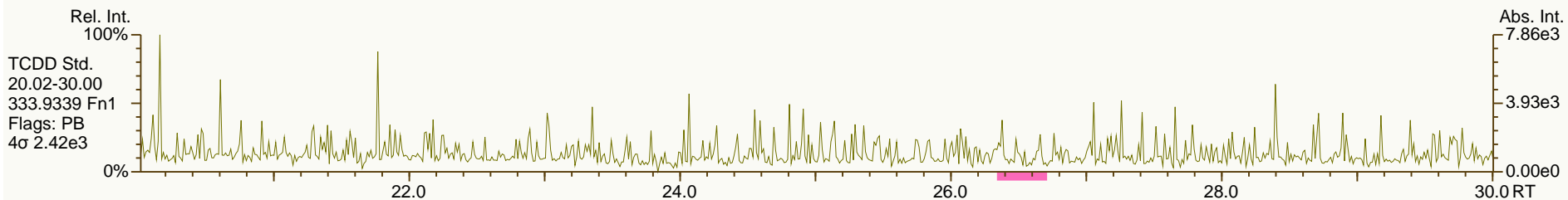
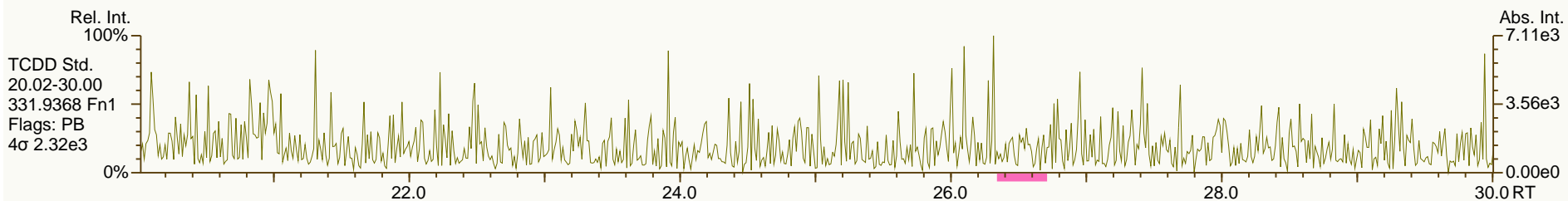
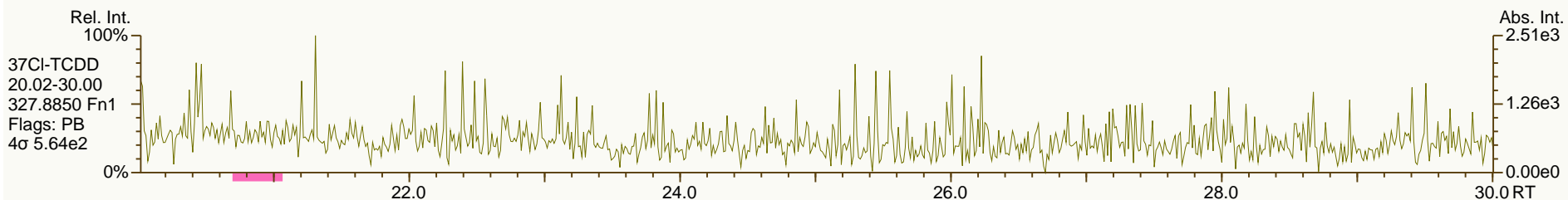
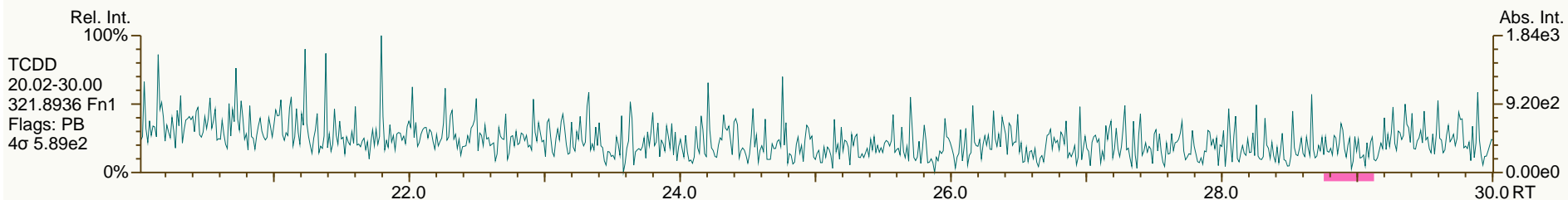
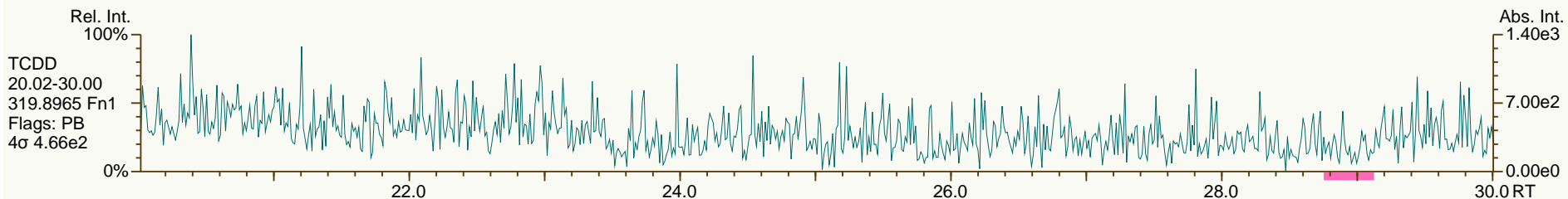
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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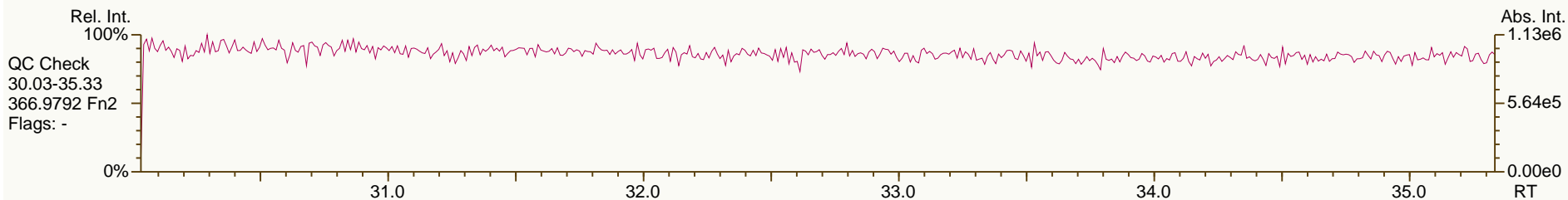
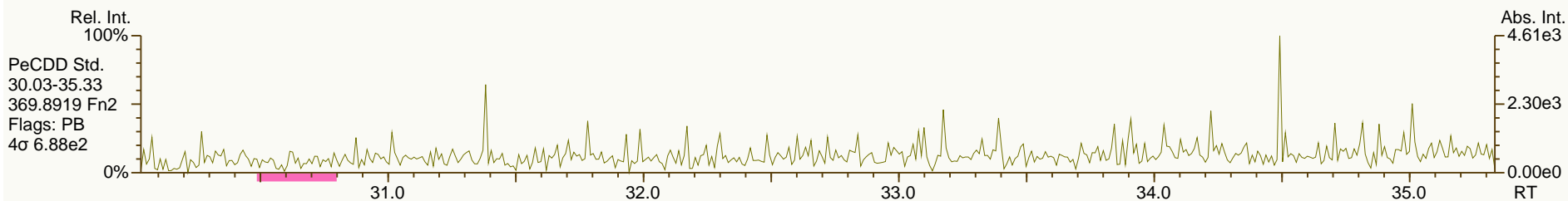
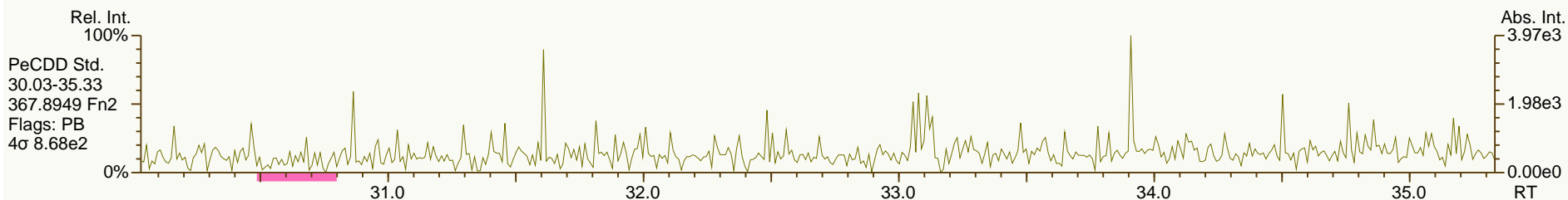
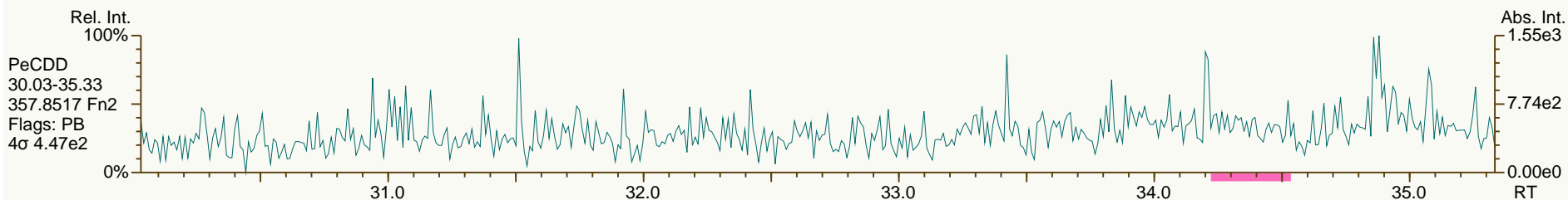
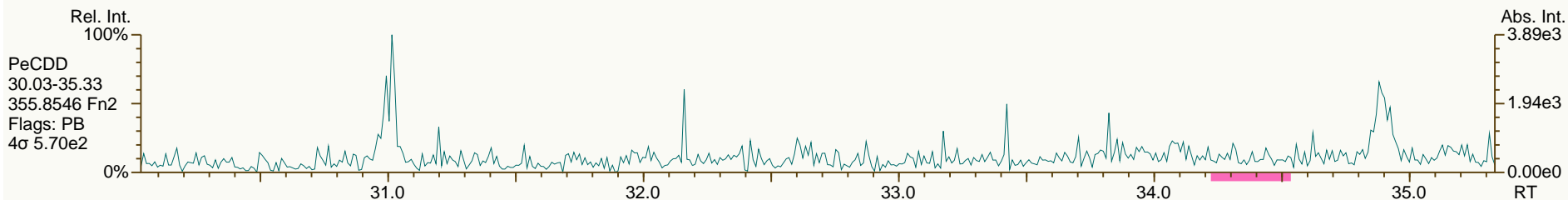
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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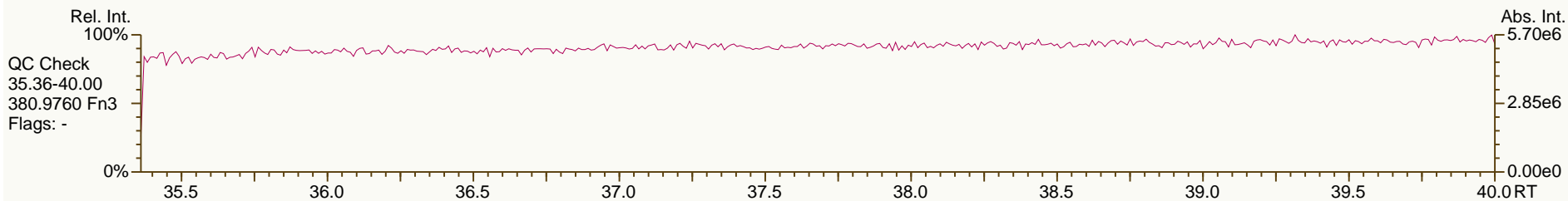
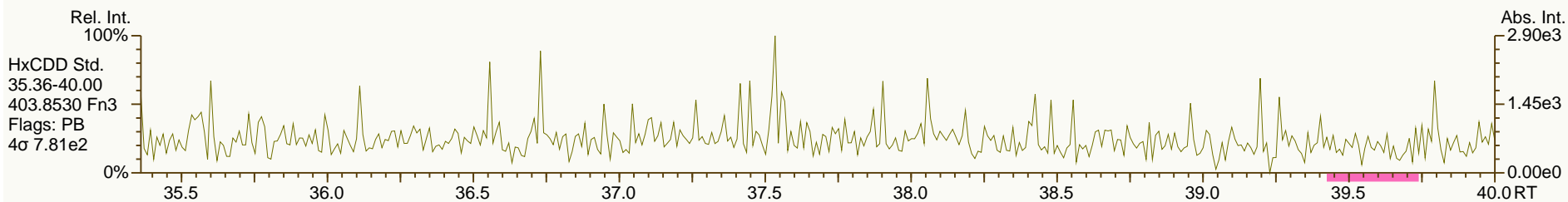
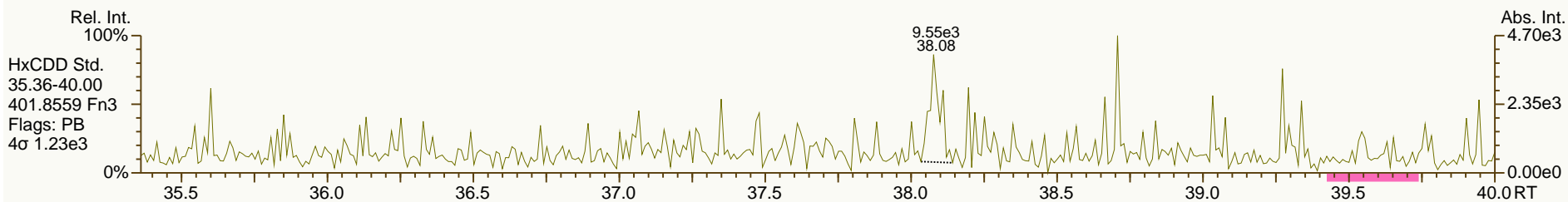
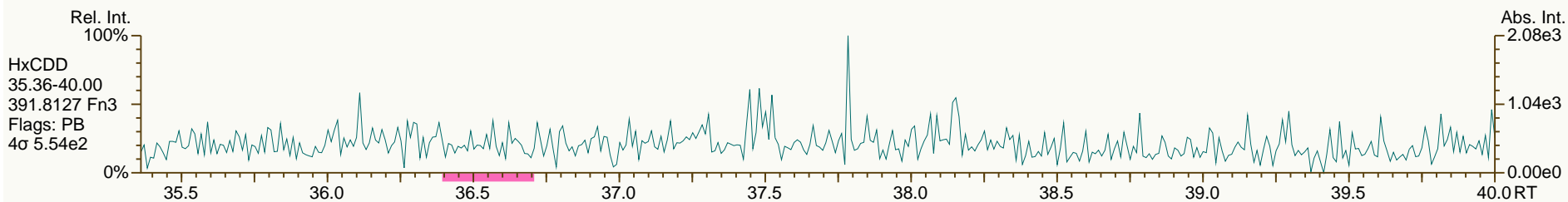
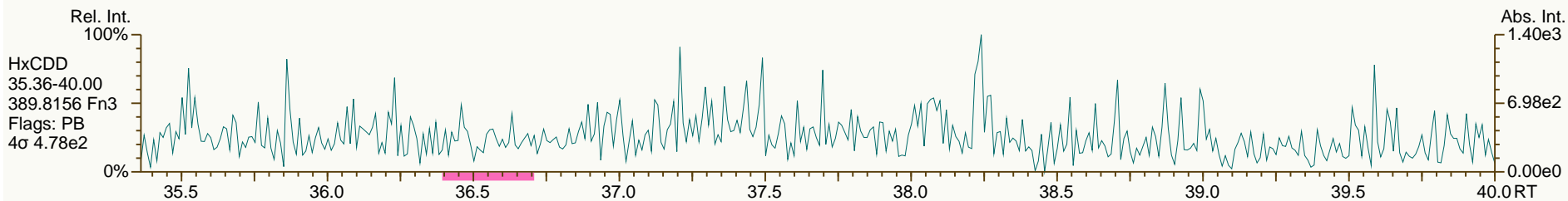
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

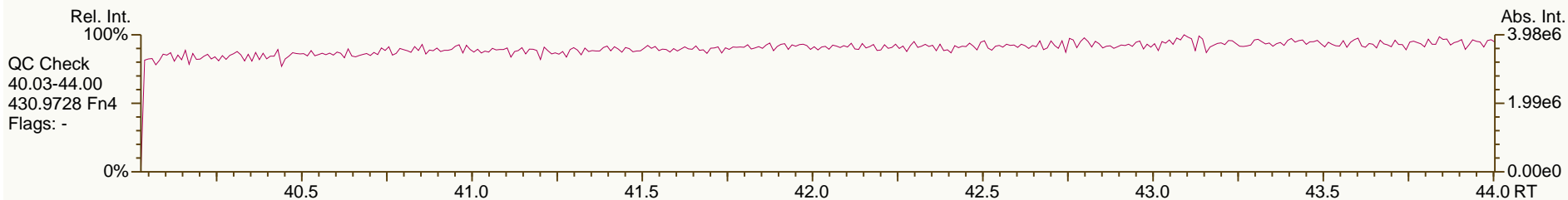
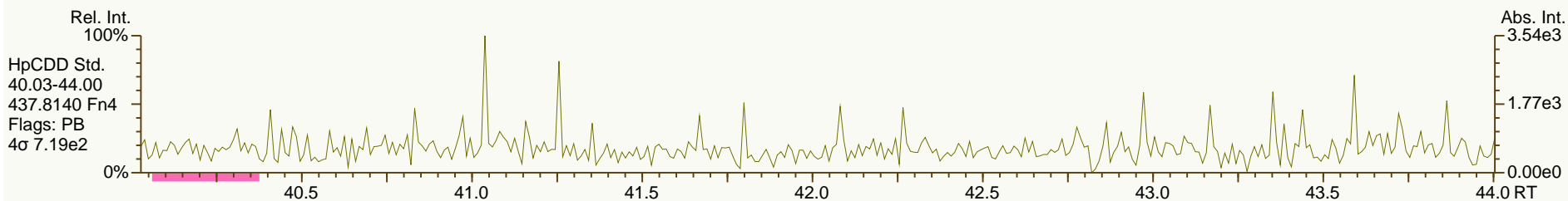
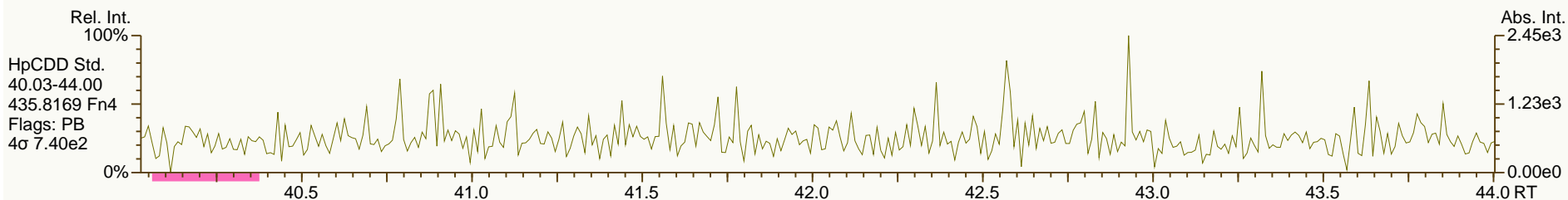
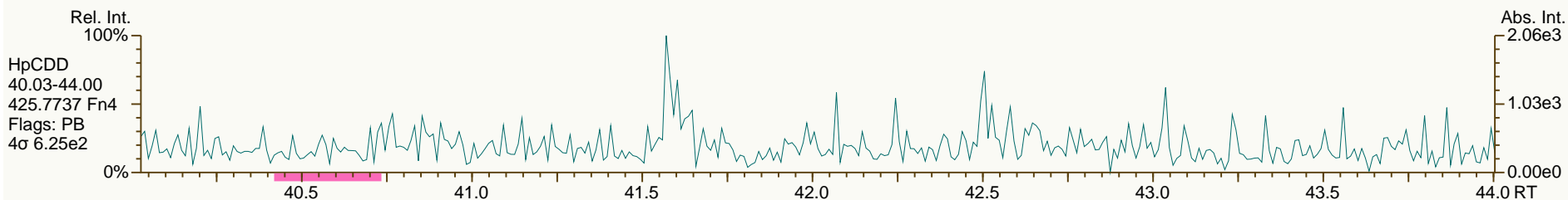
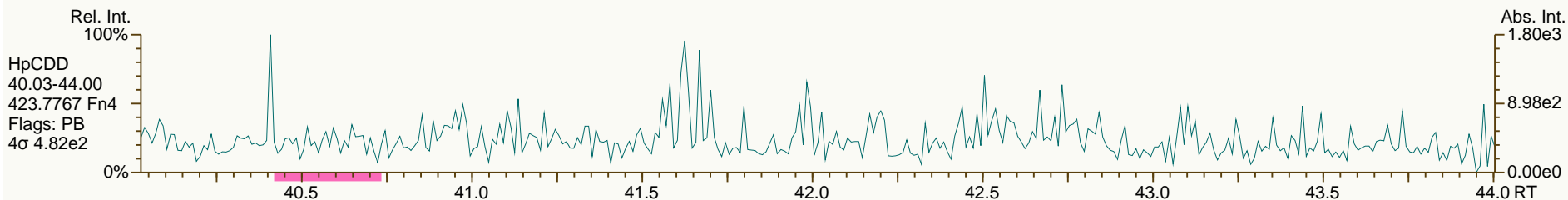
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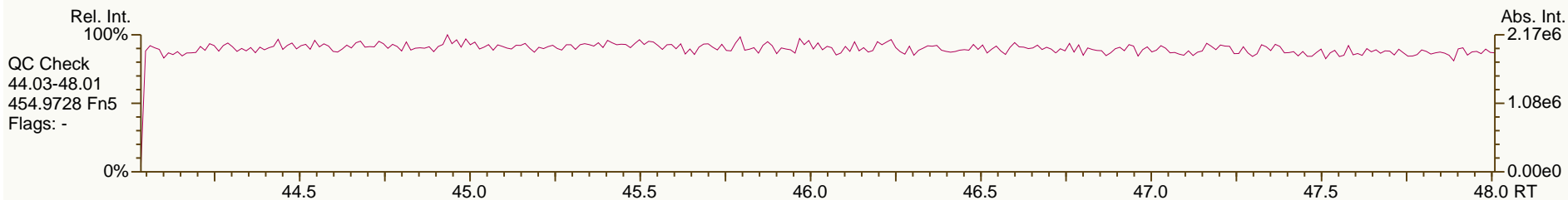
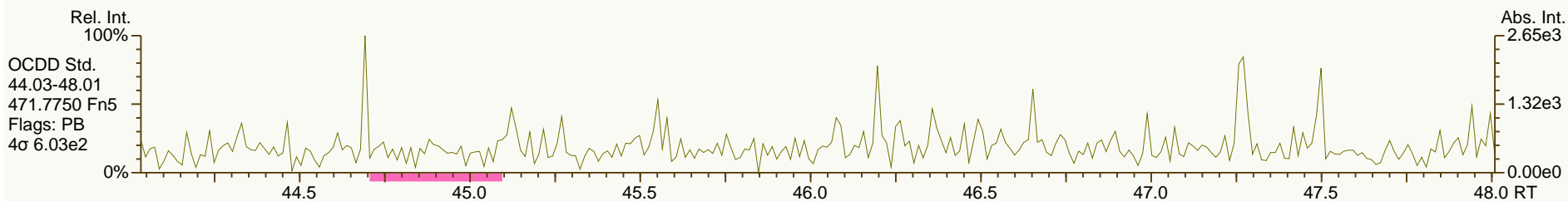
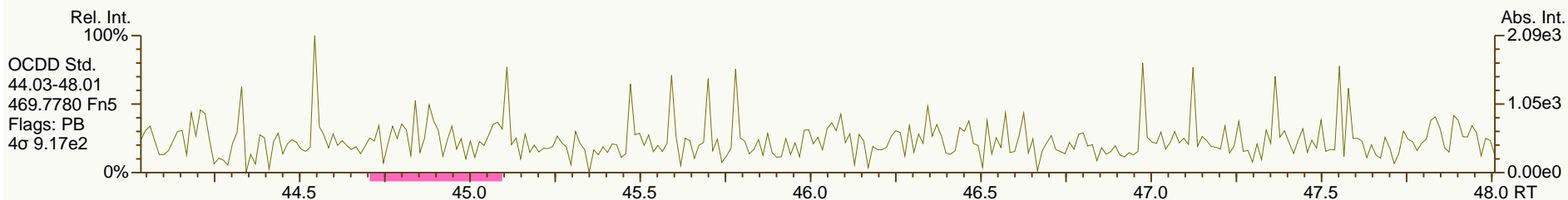
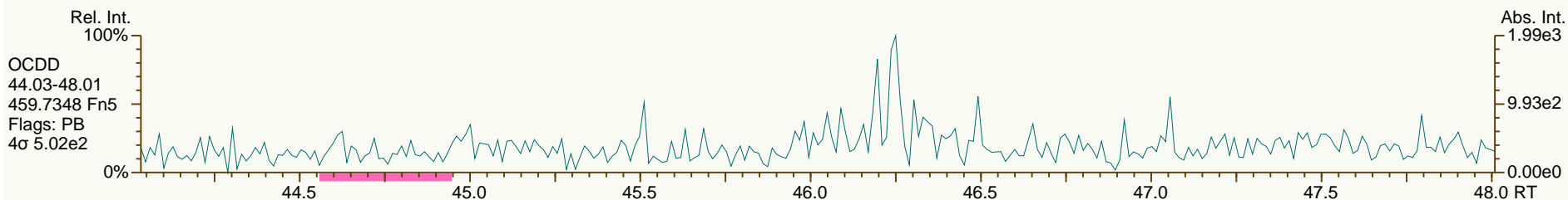
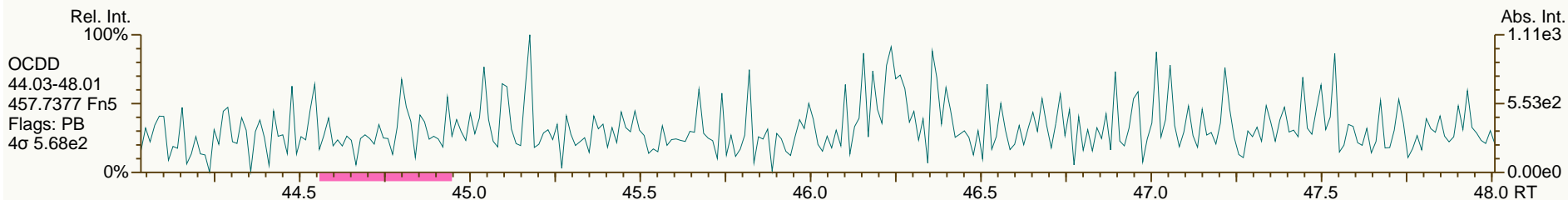
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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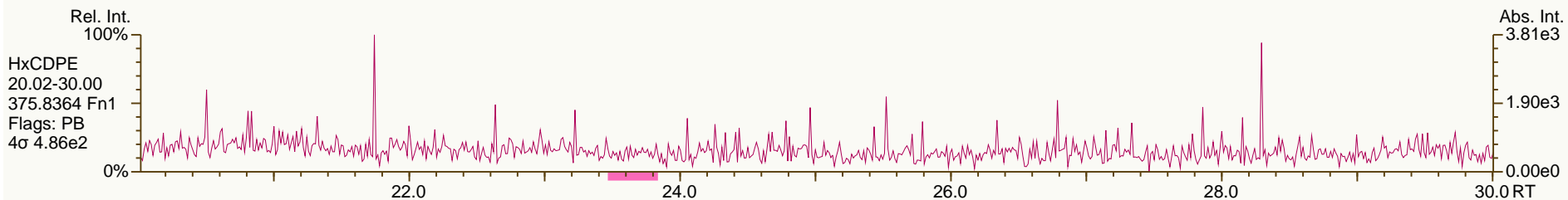
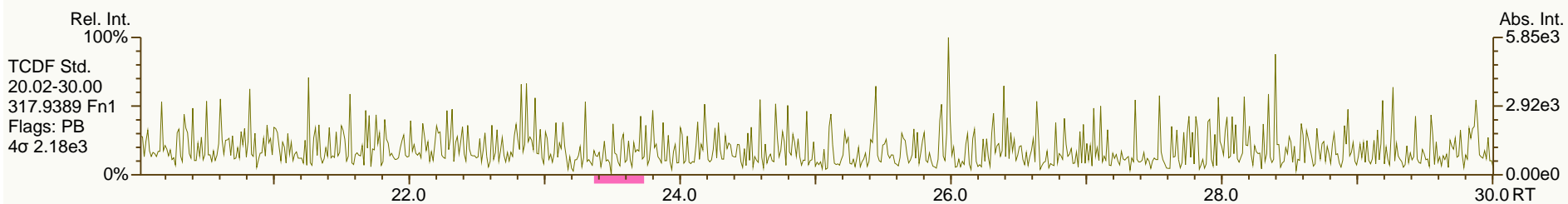
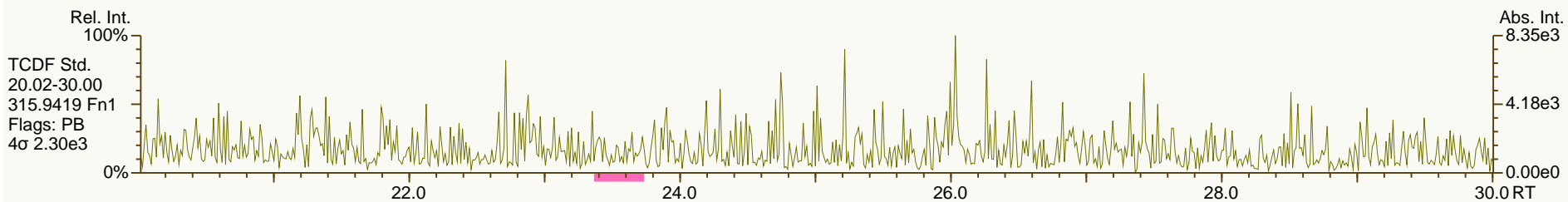
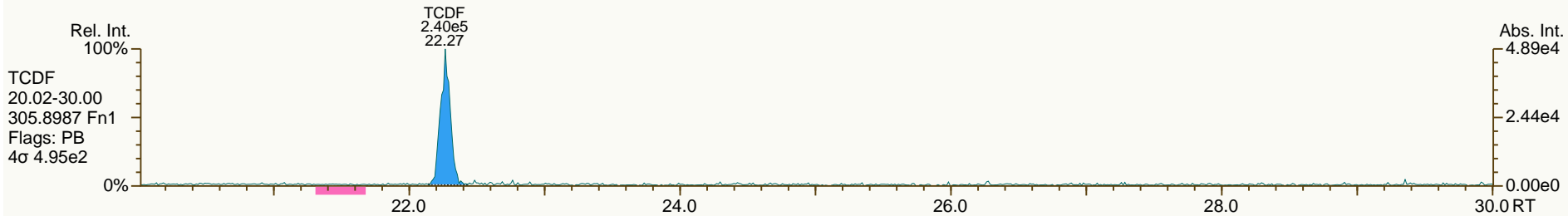
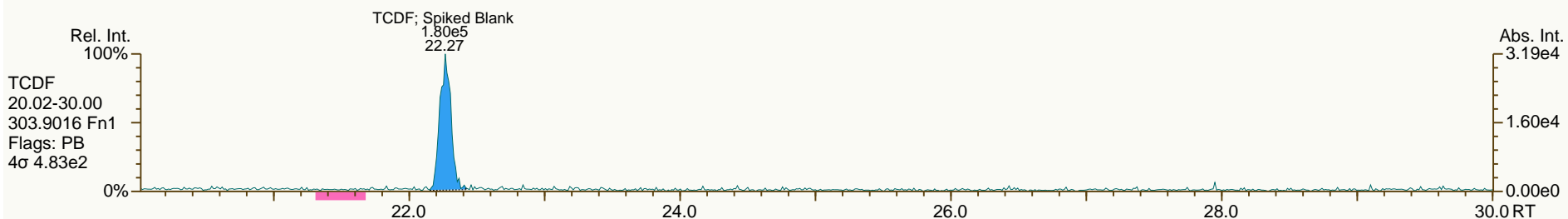
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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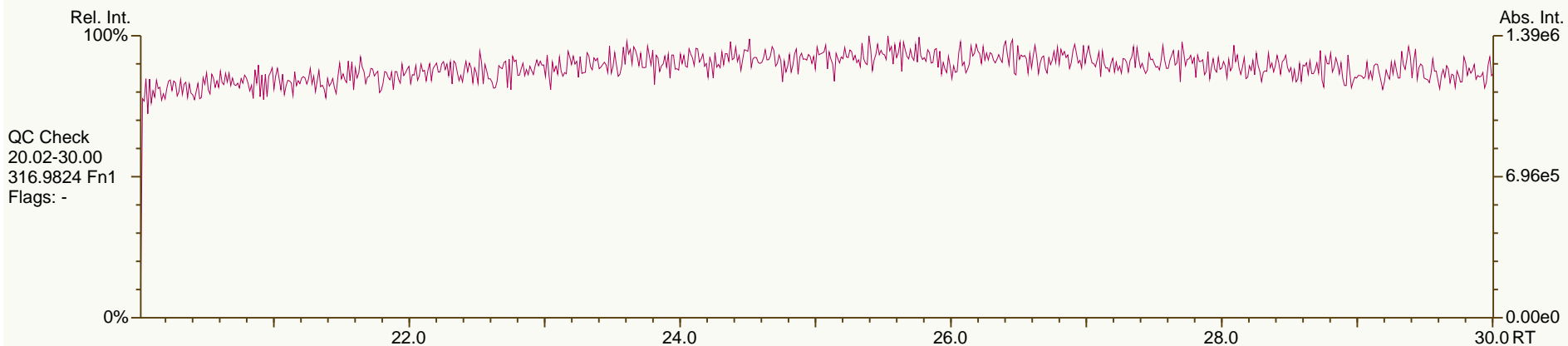
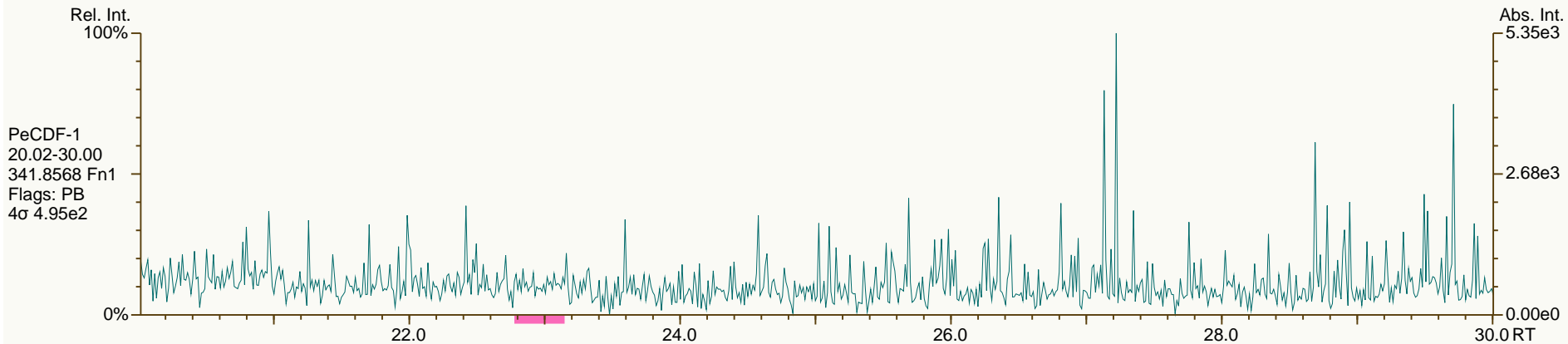
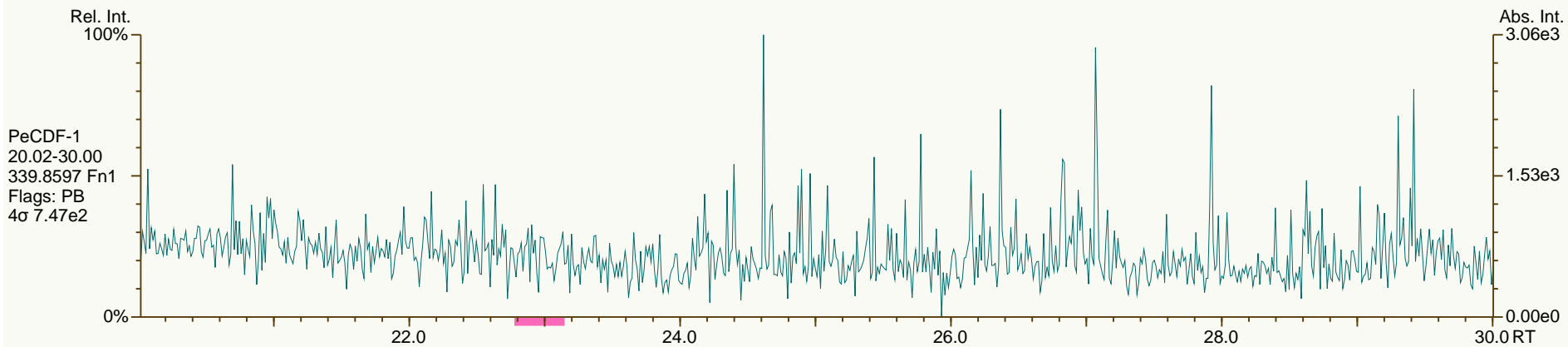
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SGS-AP ID: SBS_130511_DF_PE
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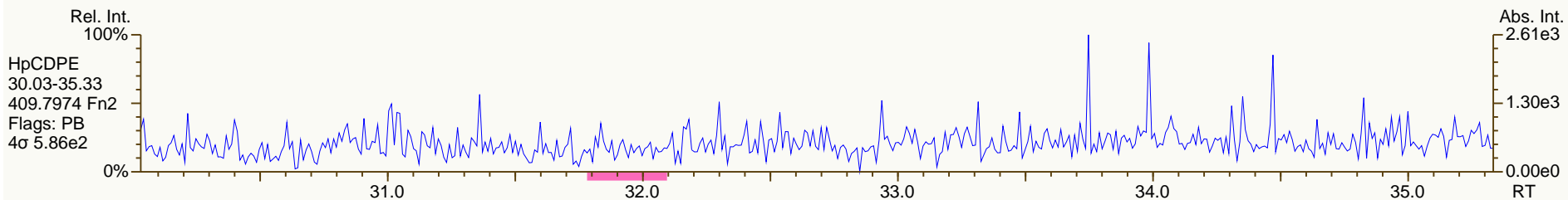
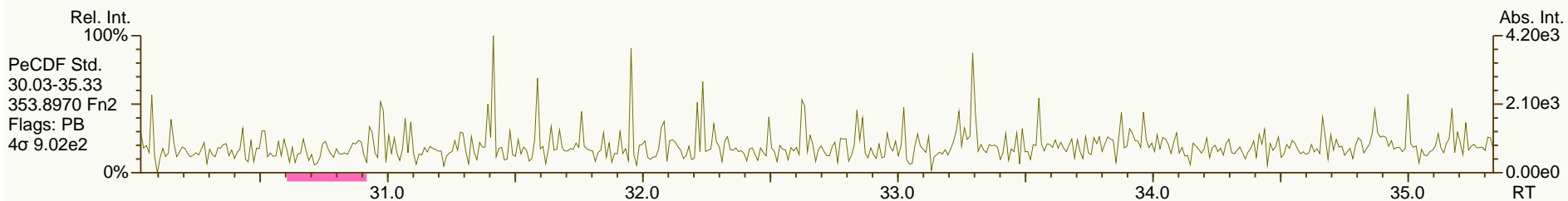
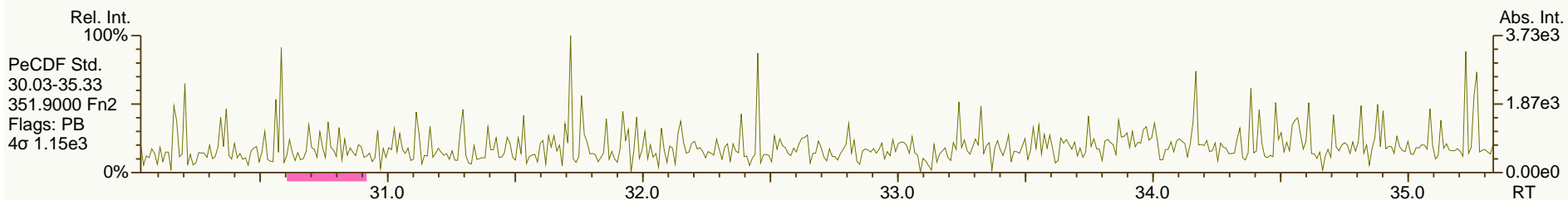
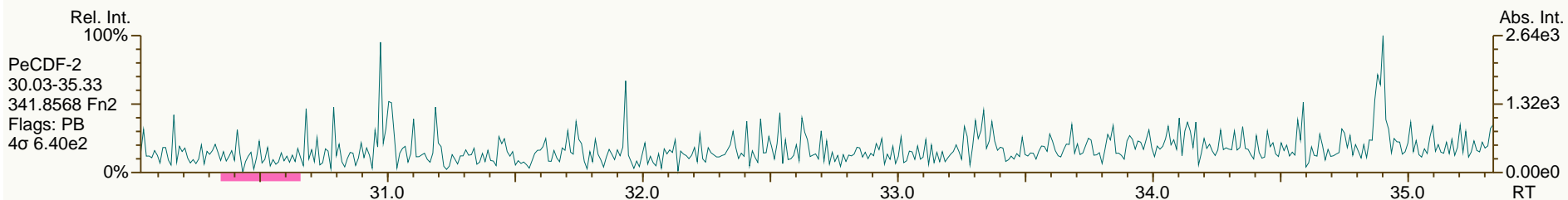
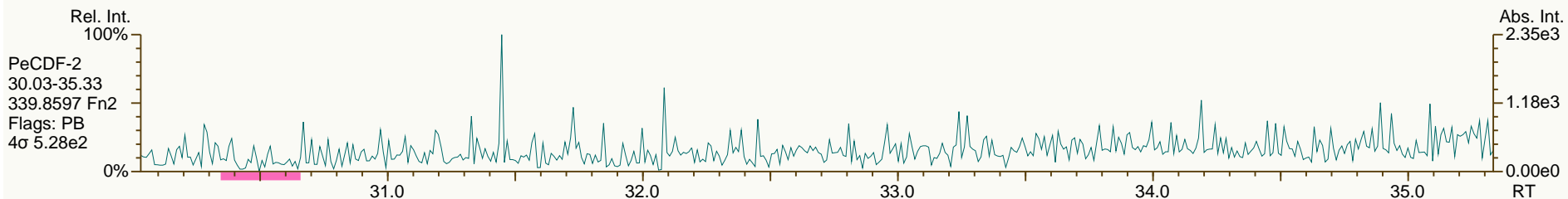
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Sample ID: solvent blank
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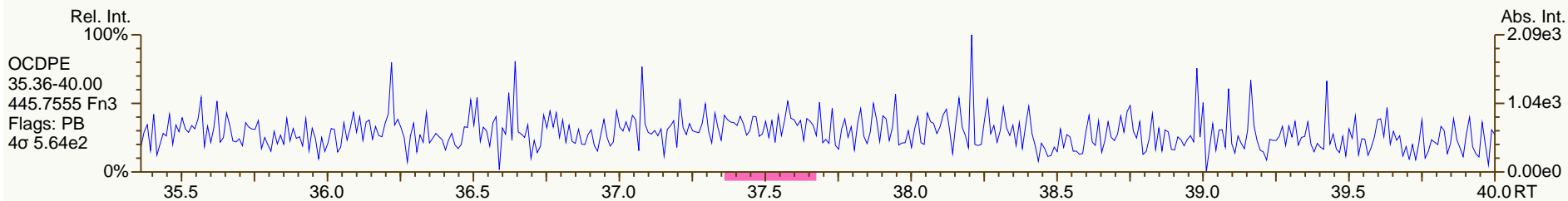
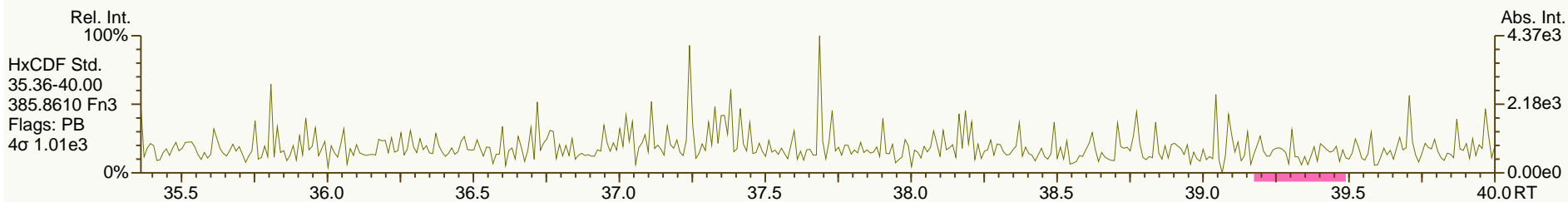
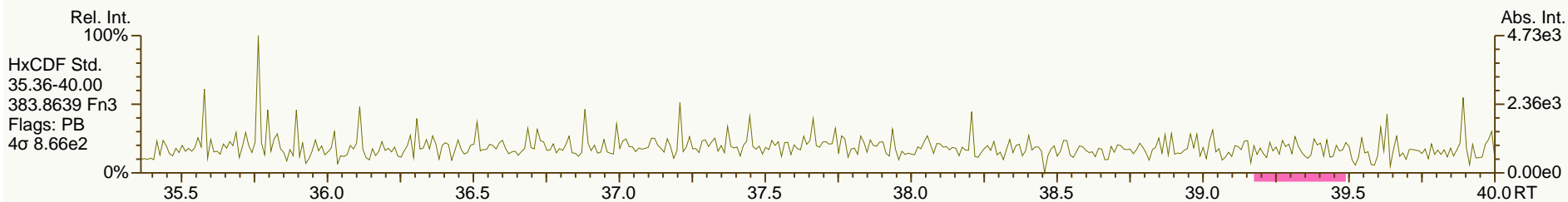
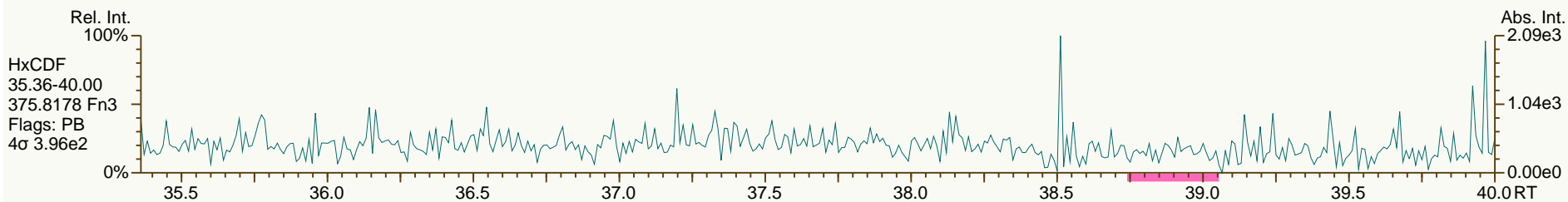
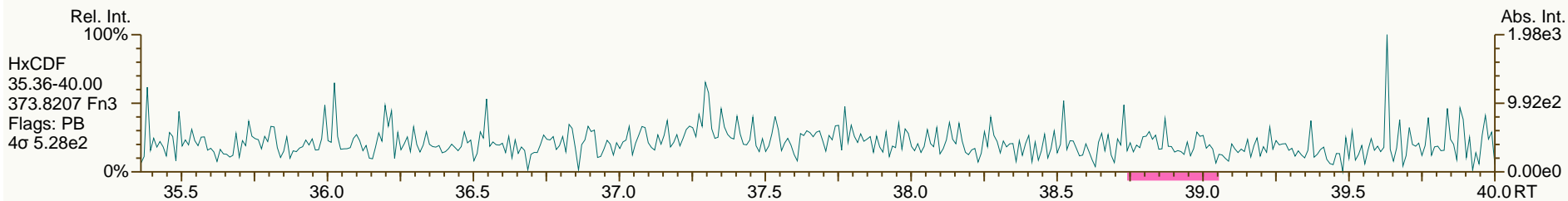
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SGS-AP ID: SBS_130511_DF_PE
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Sample ID: solvent blank
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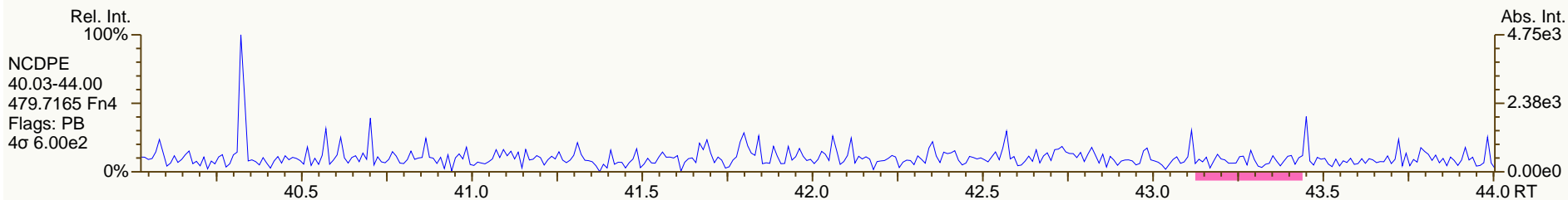
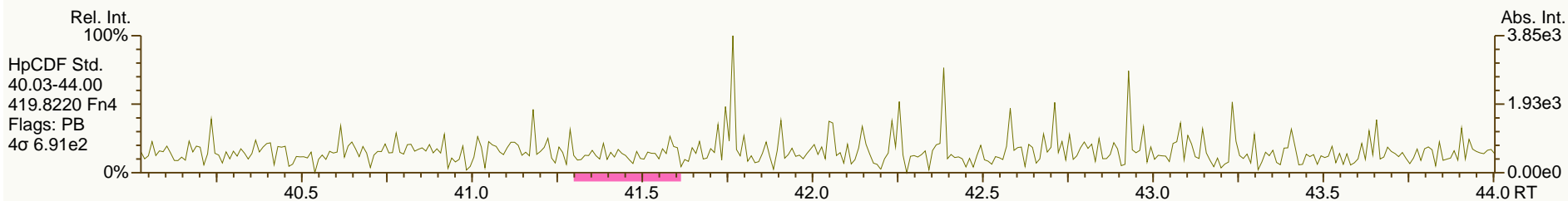
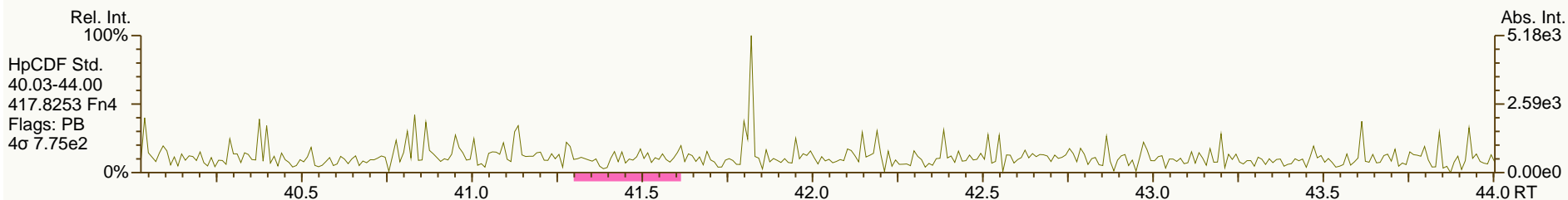
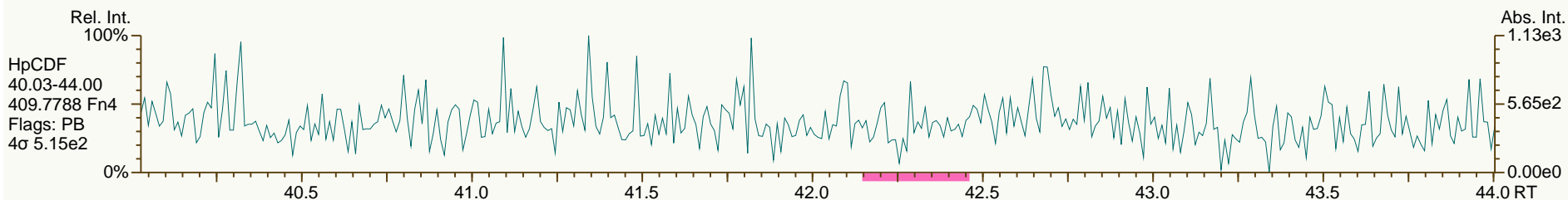
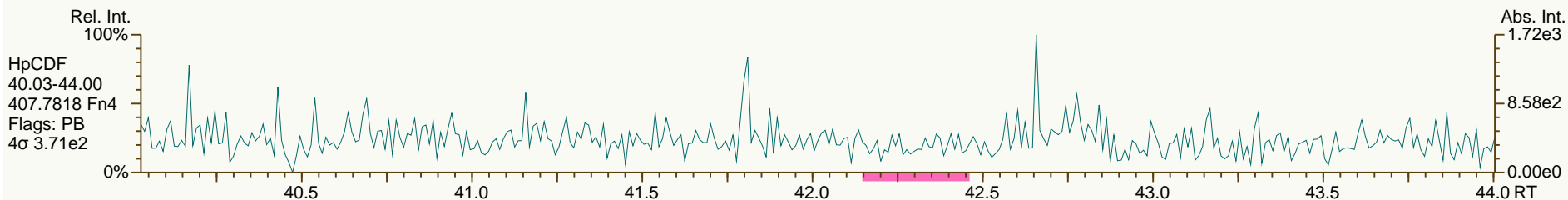
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SGS-AP ID: SBS_130511_DF_PE
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

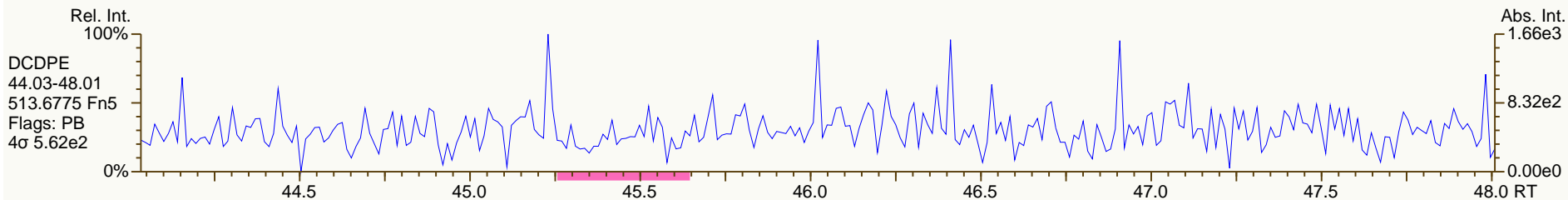
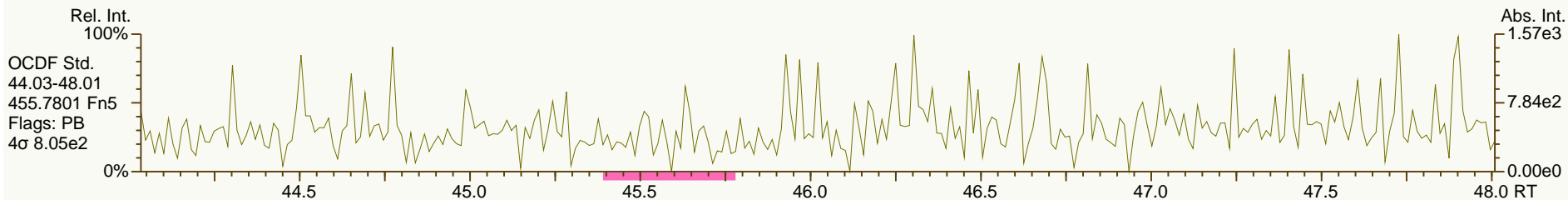
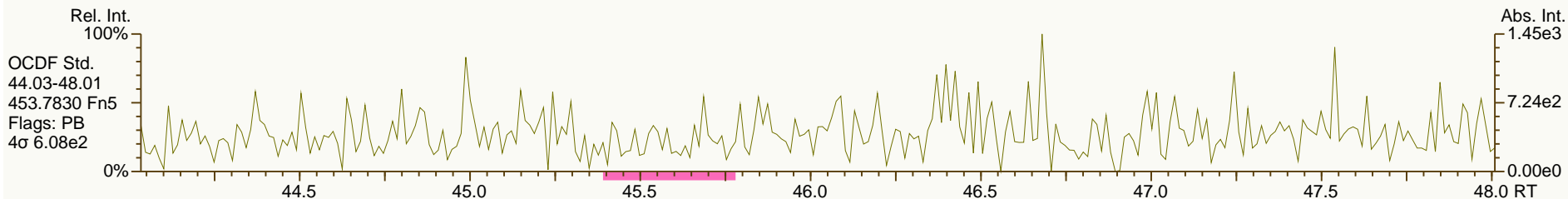
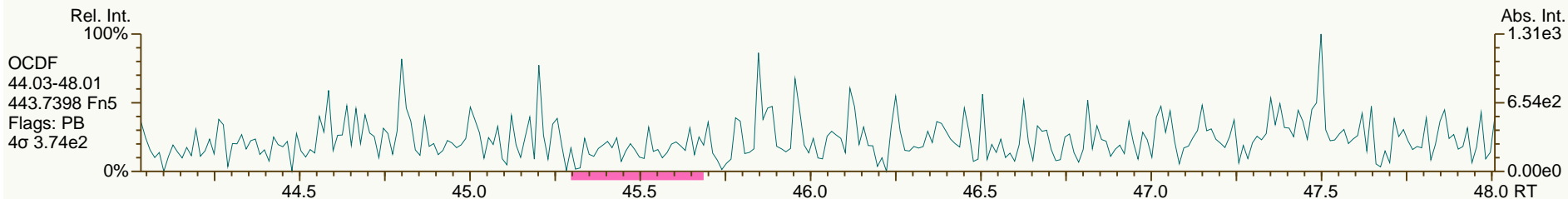
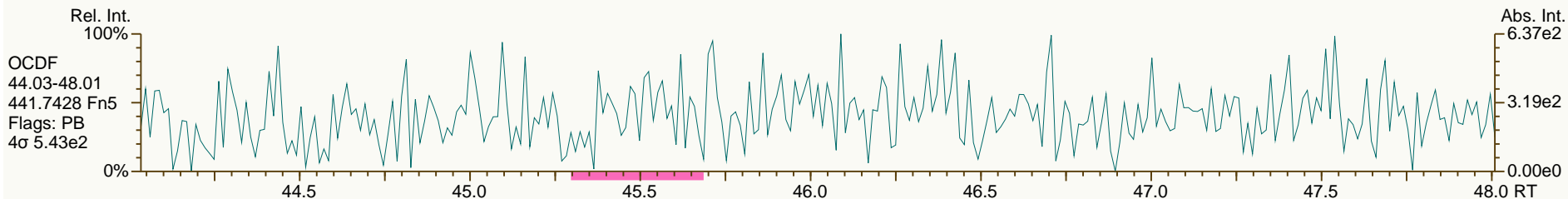
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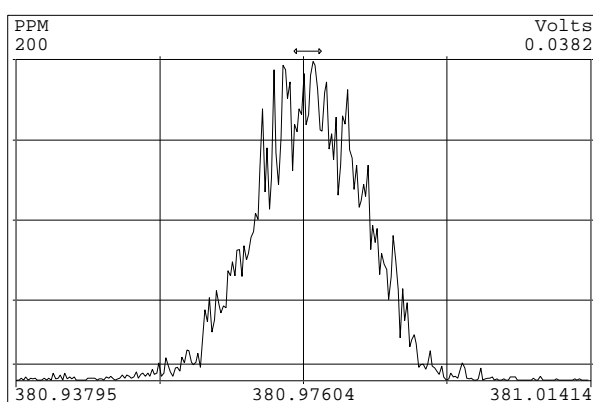
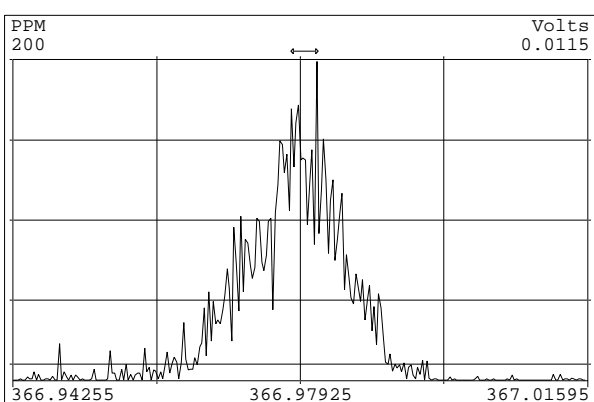
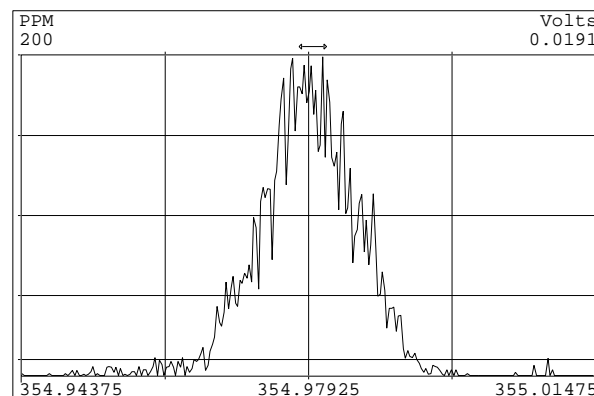
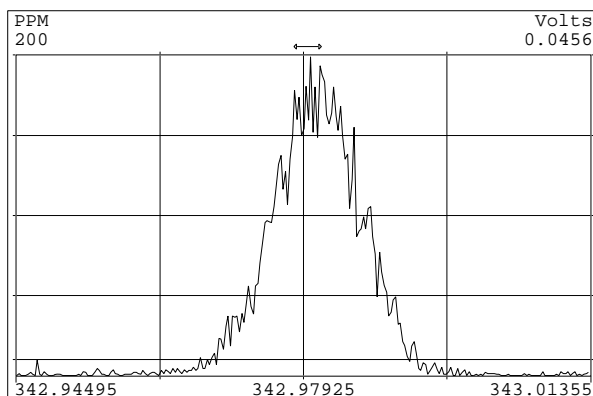
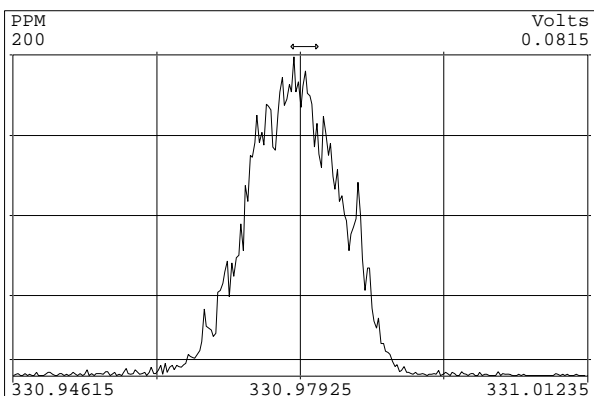
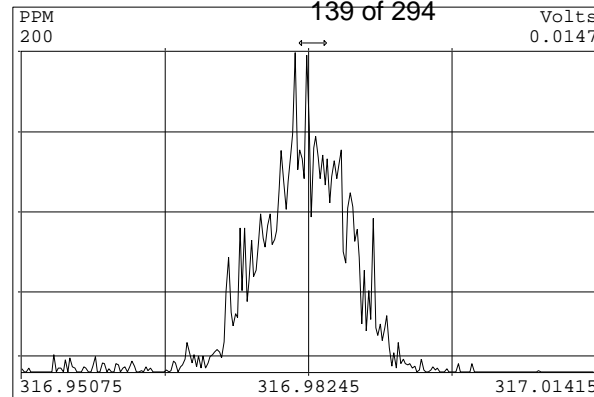
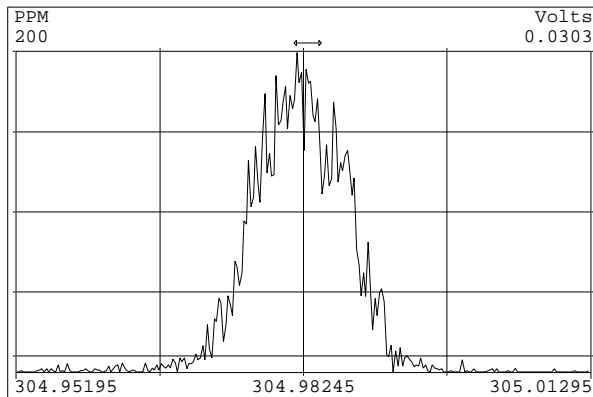
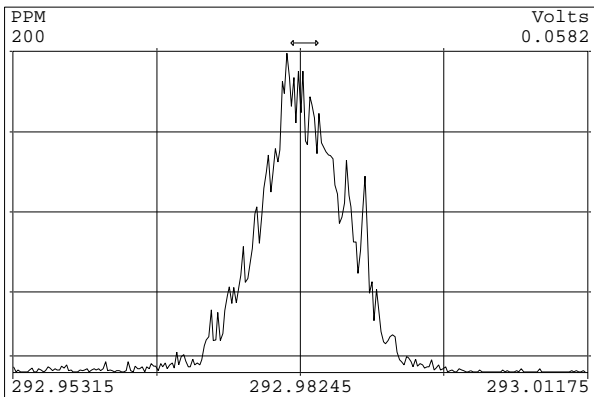


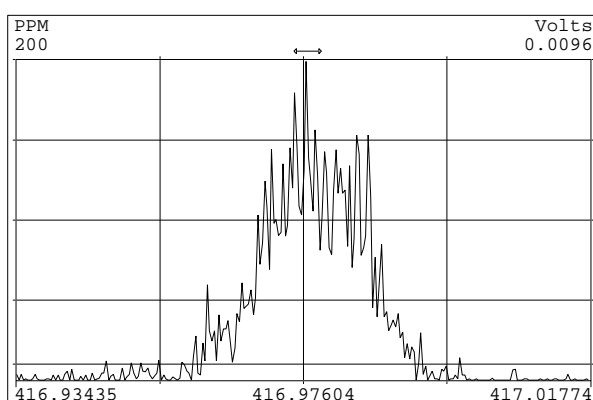
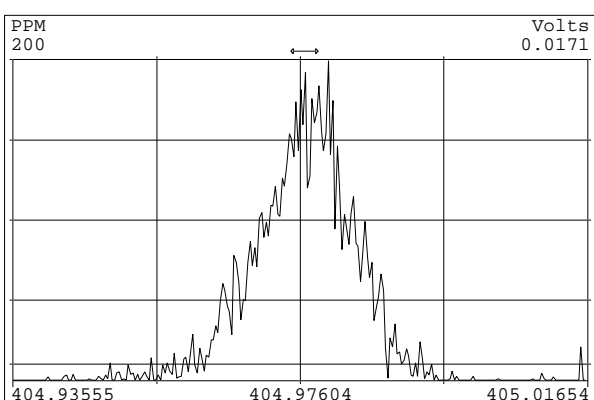
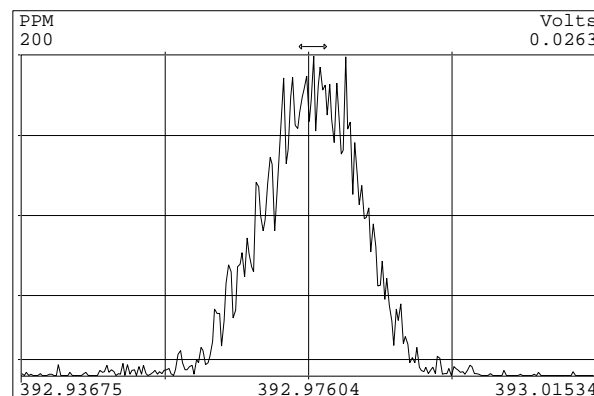
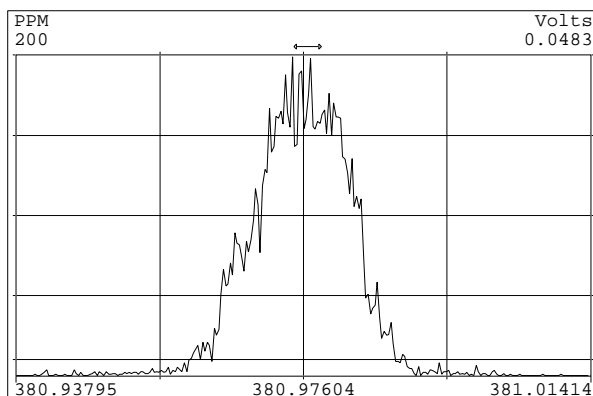
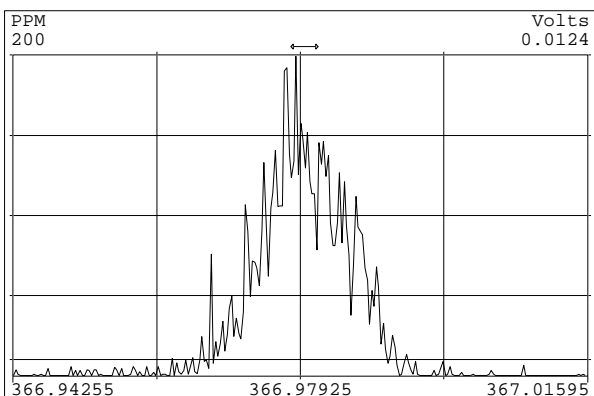
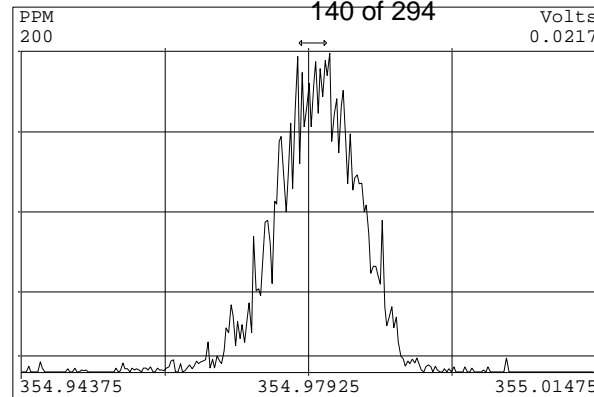
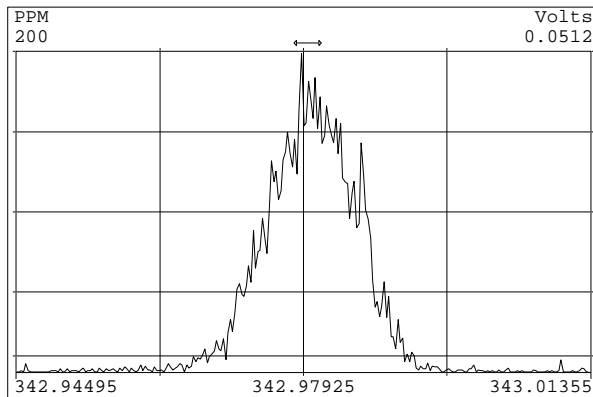
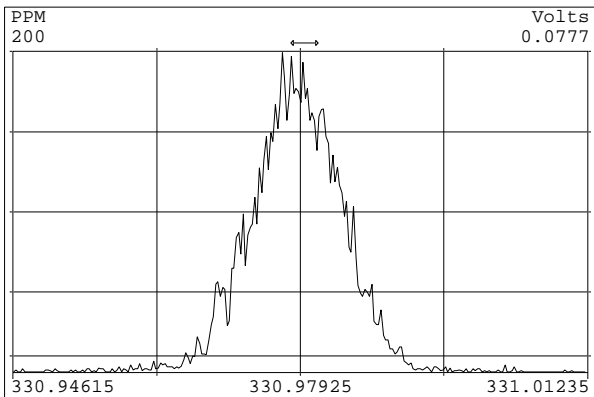
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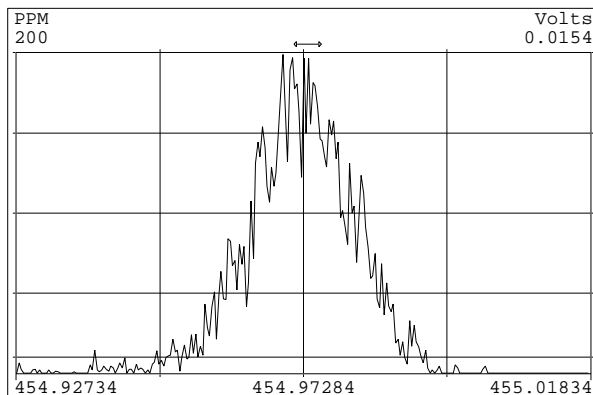
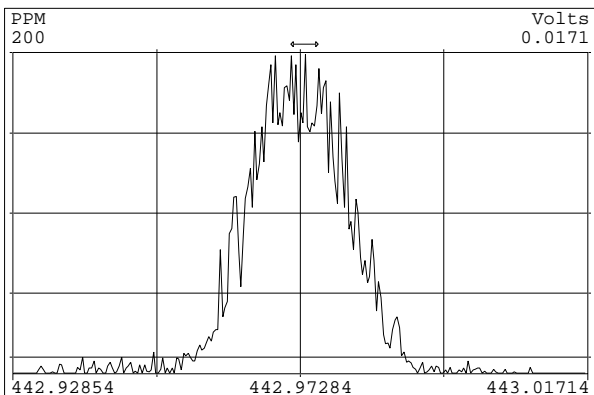
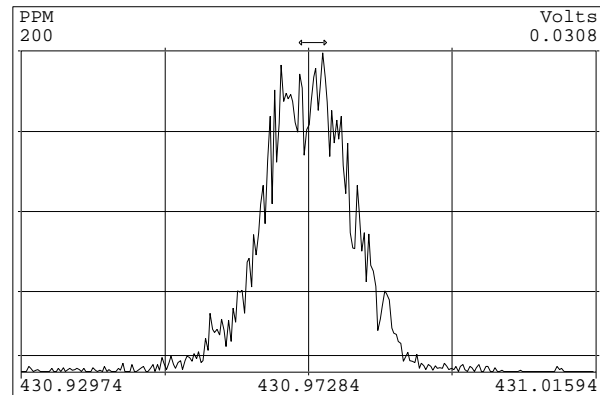
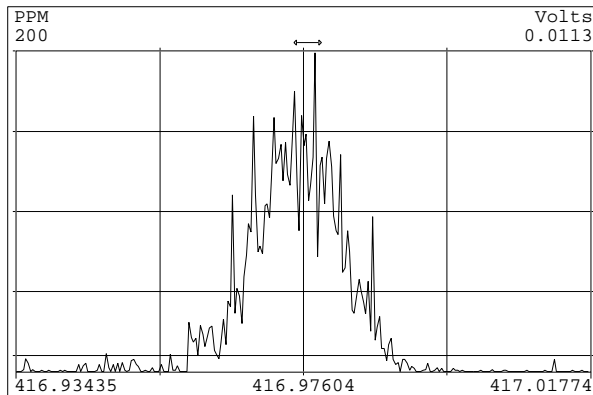
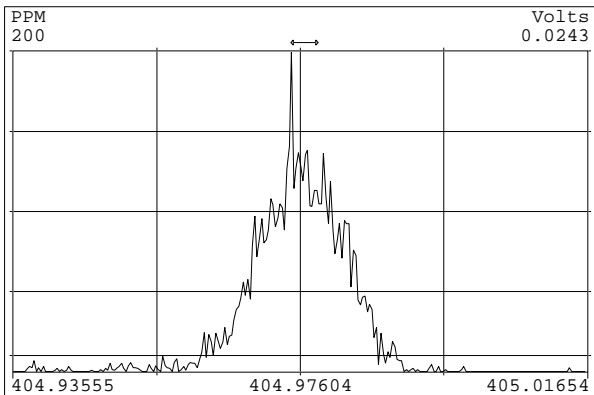
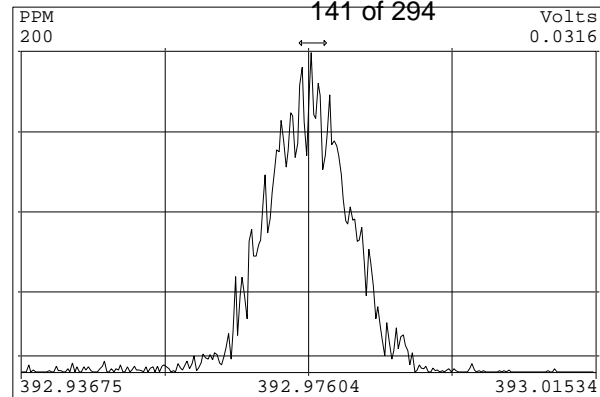
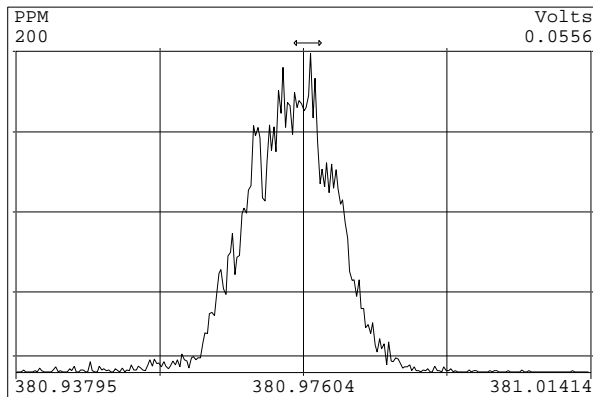
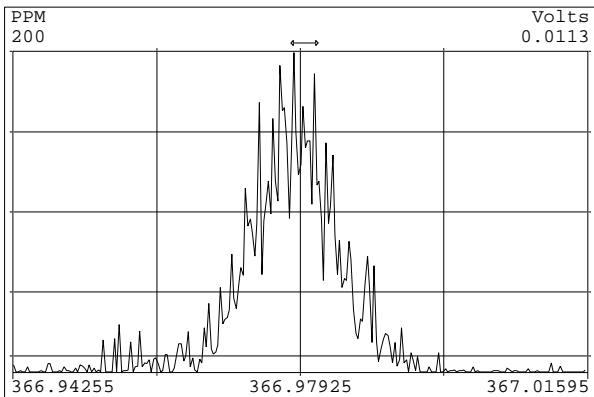
Sample ID: solvent blank
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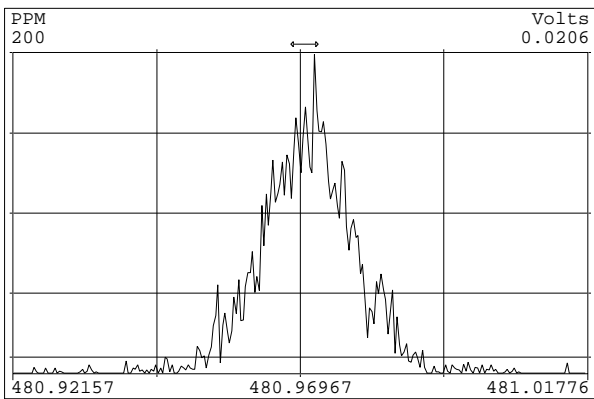
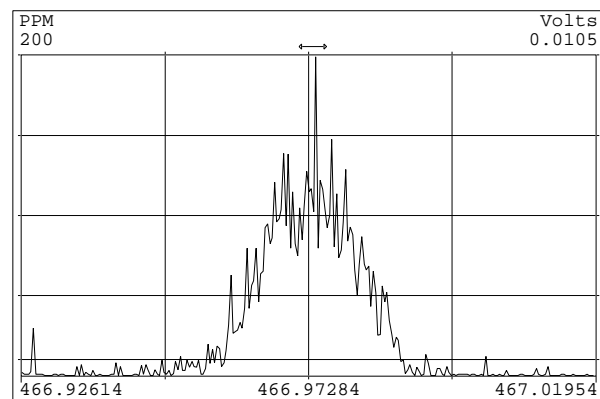
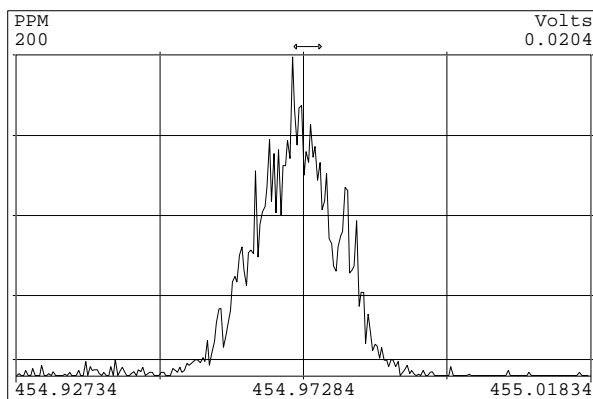
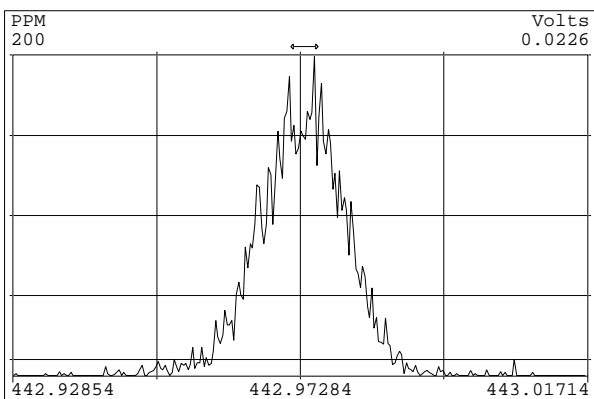
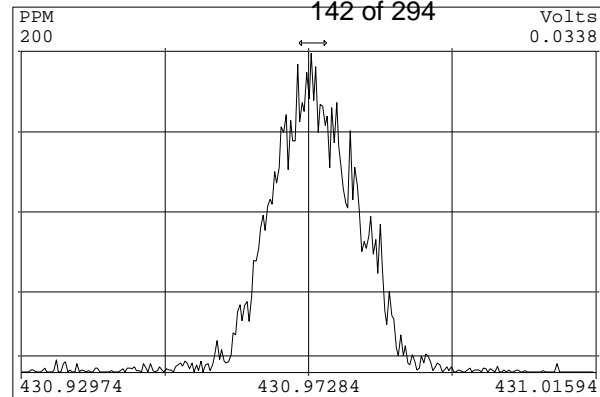
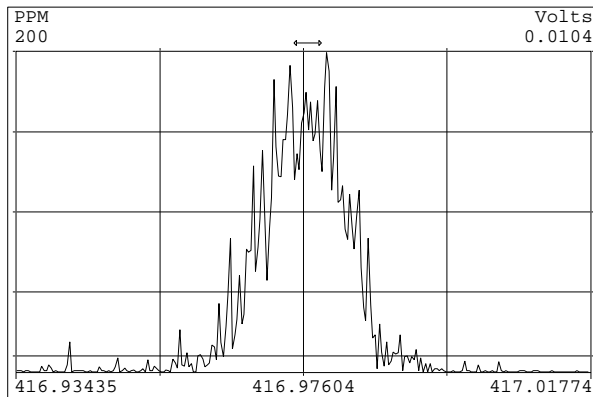
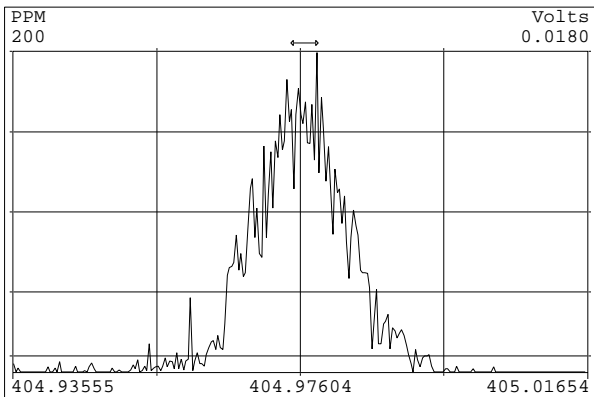
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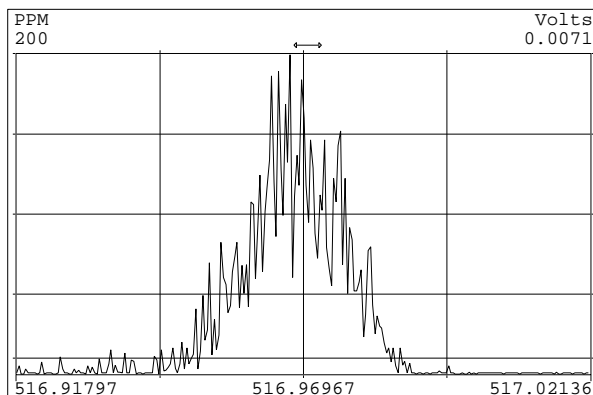
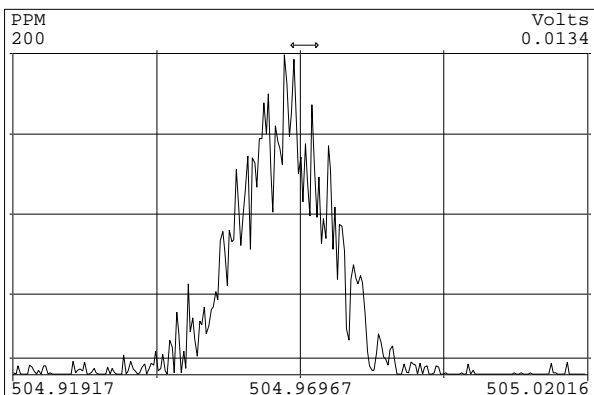
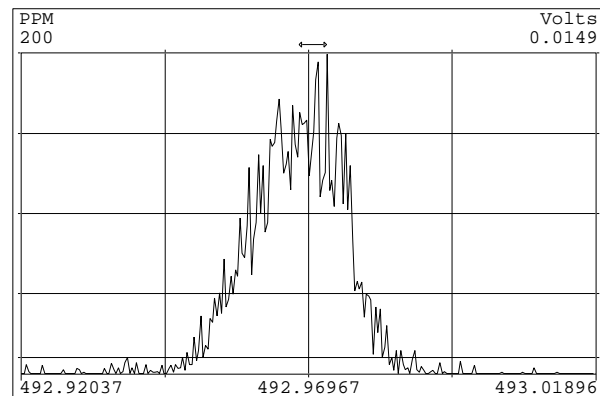
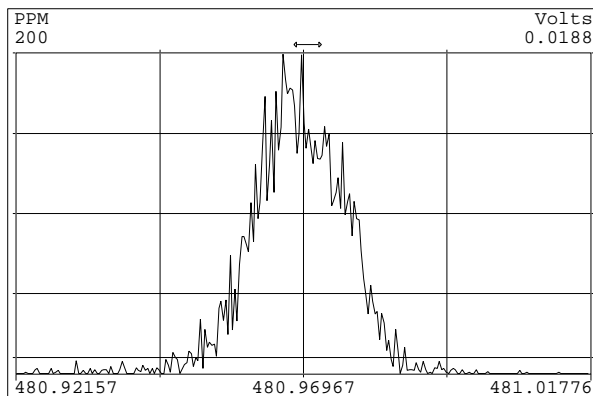
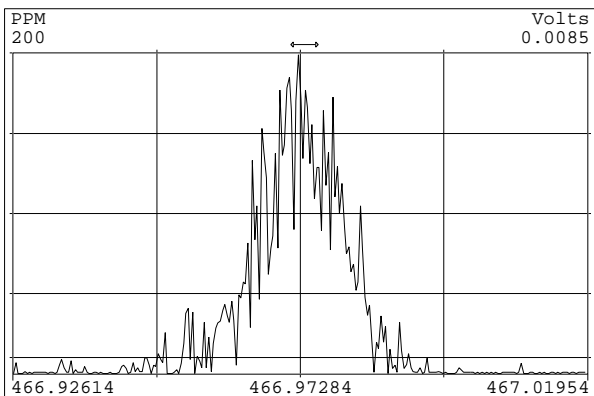
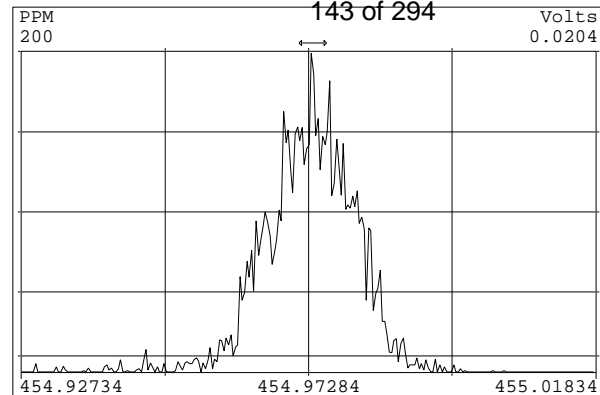
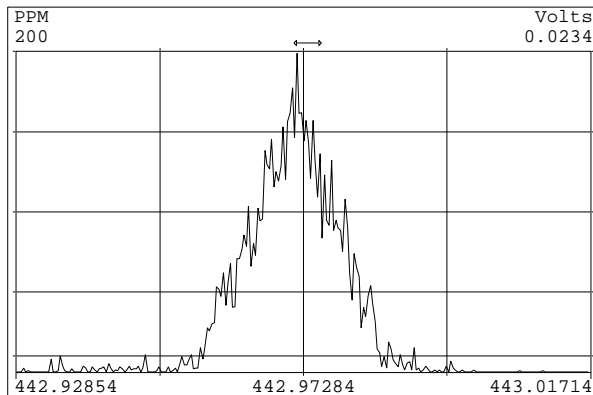
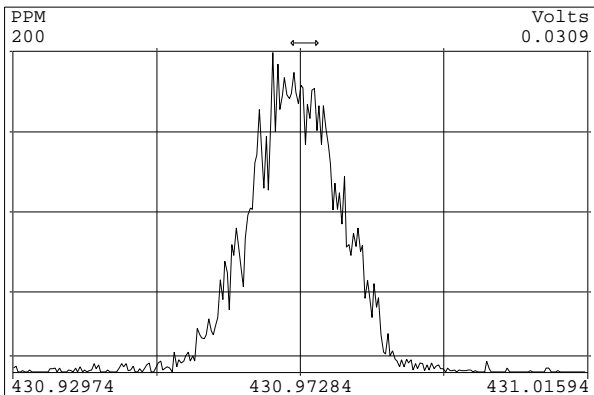


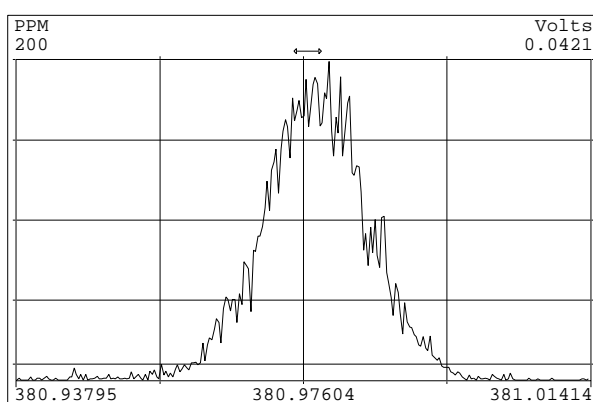
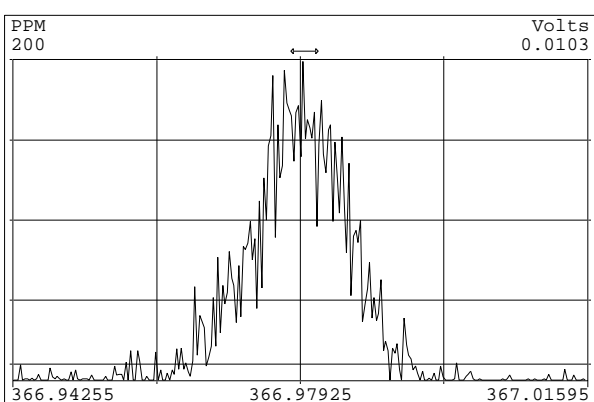
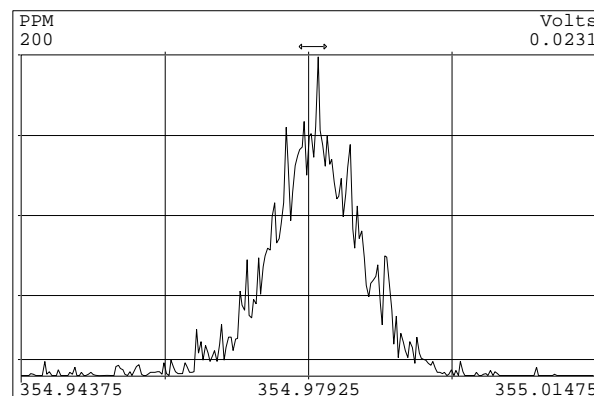
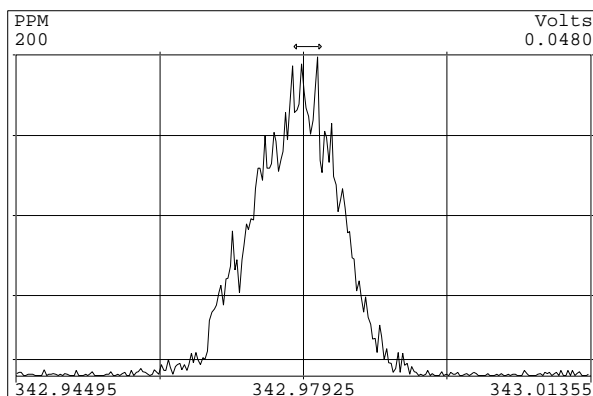
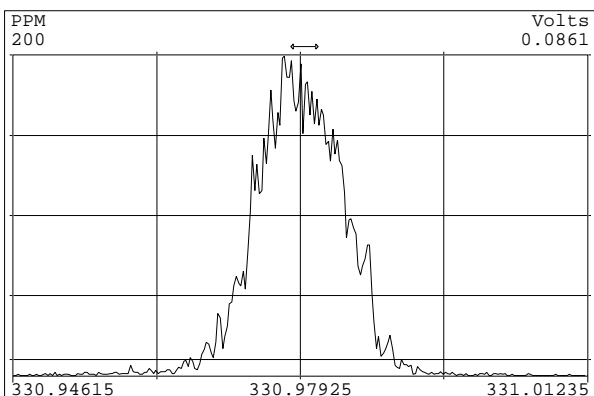
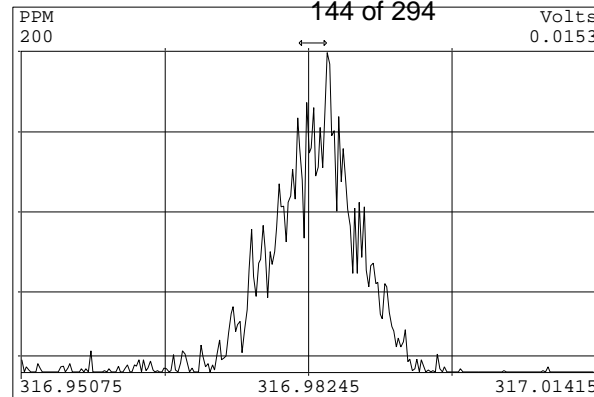
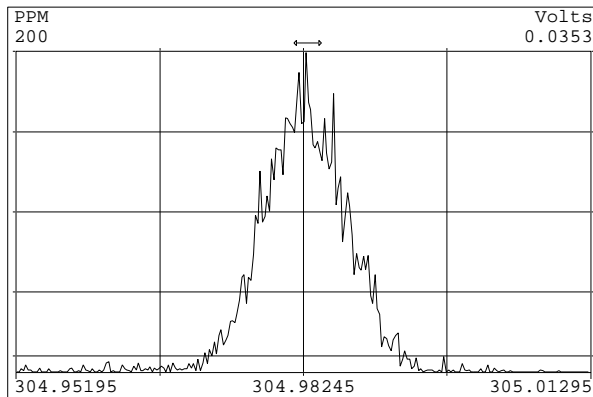
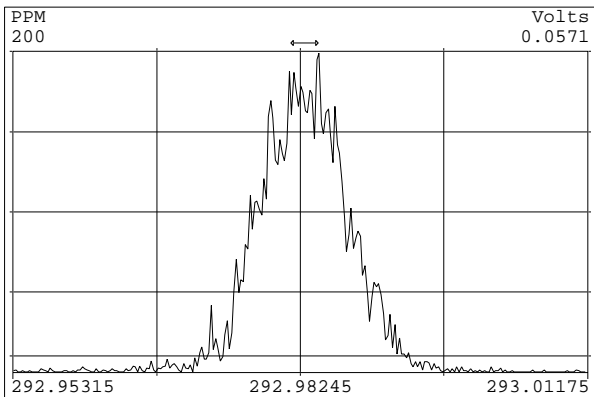


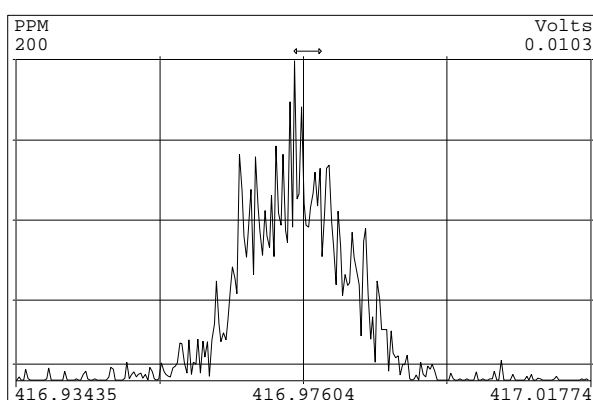
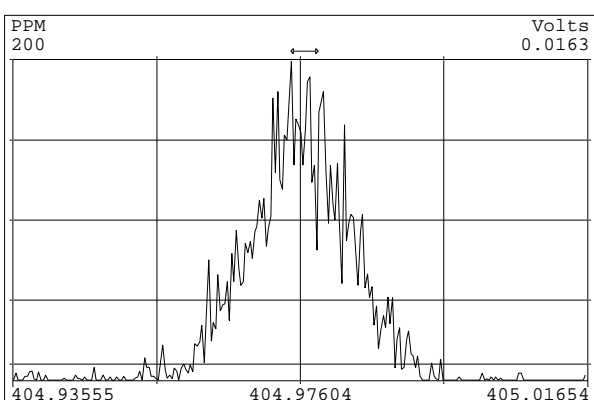
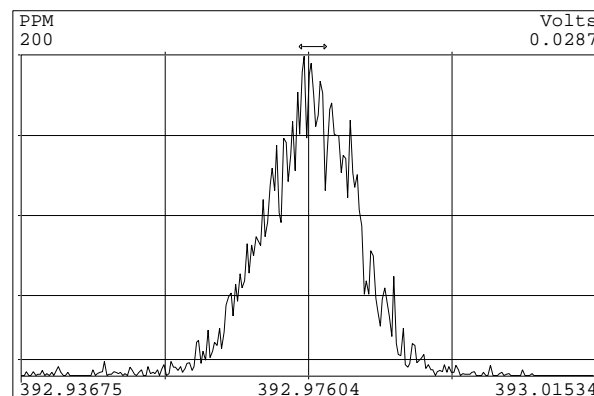
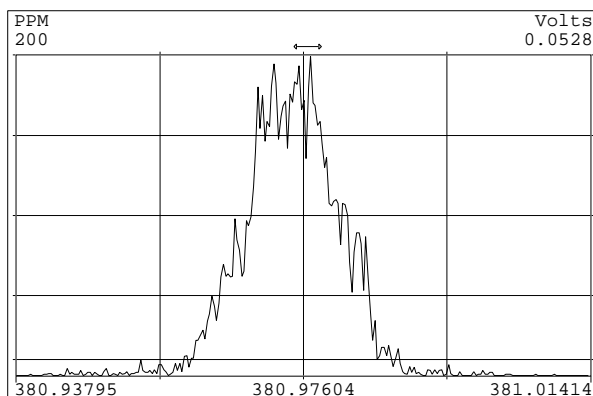
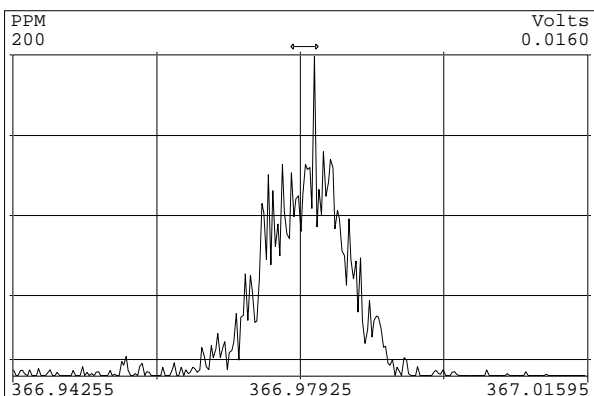
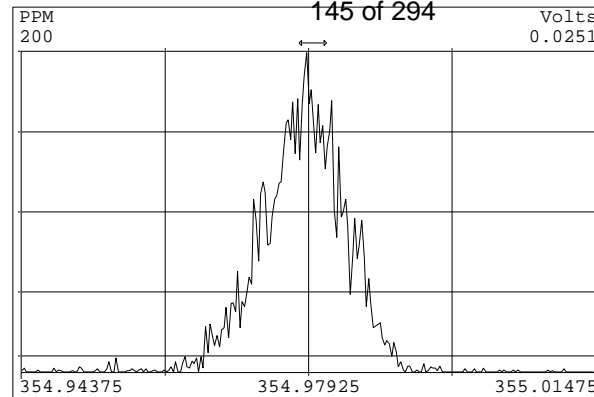
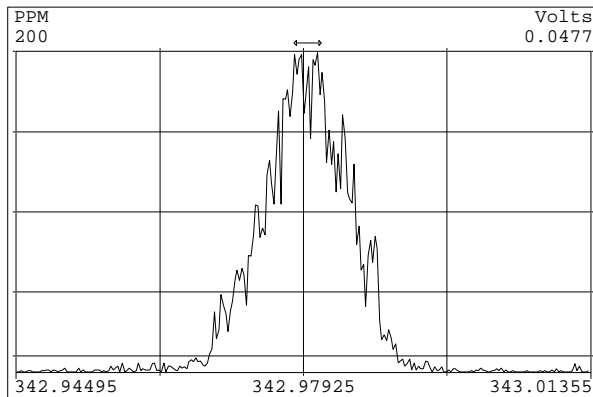
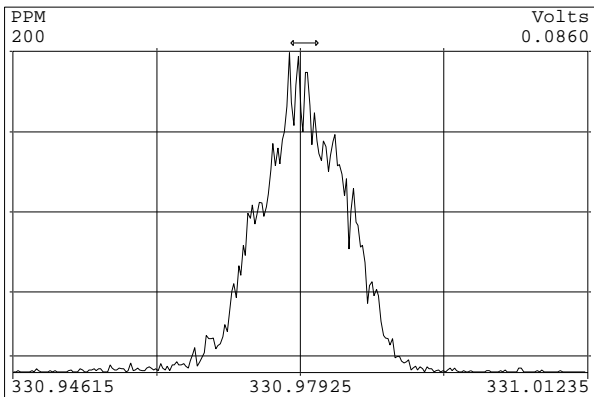


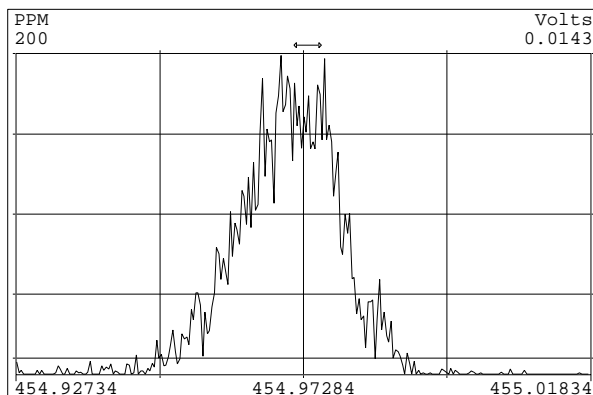
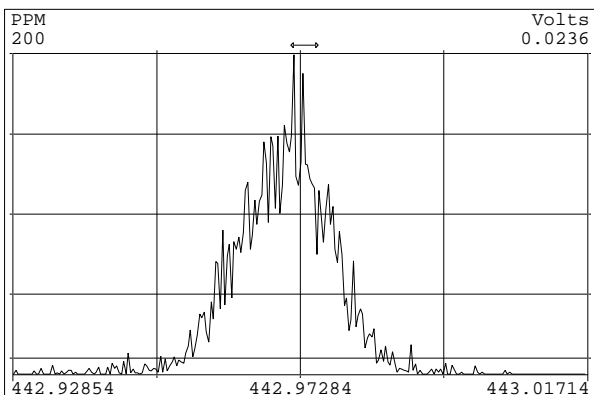
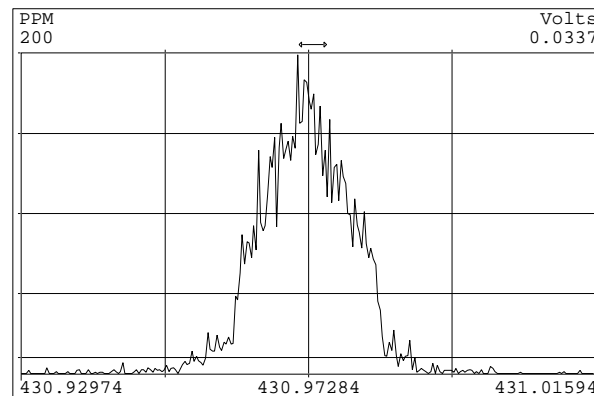
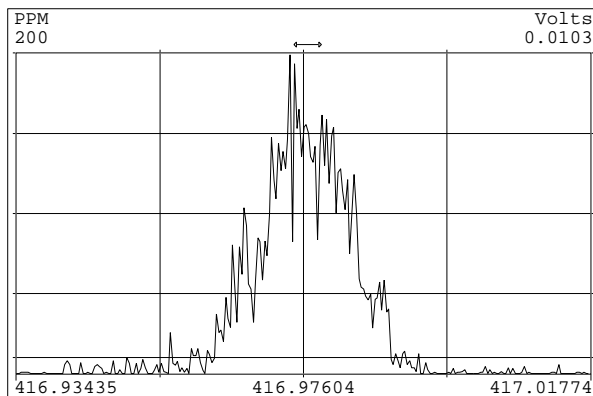
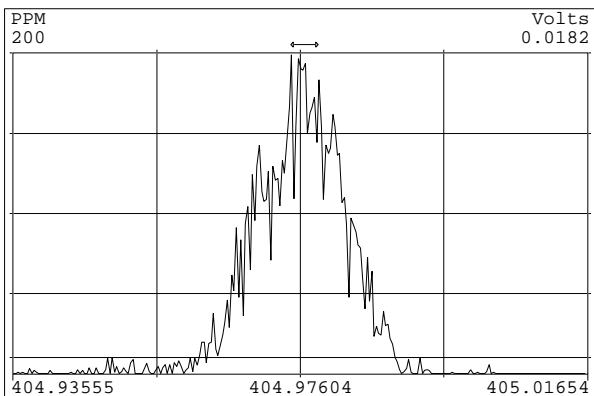
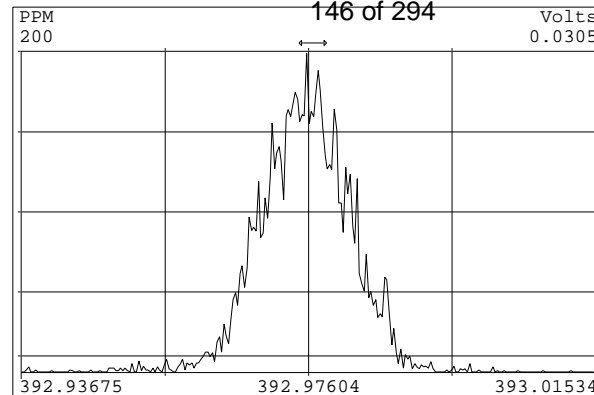
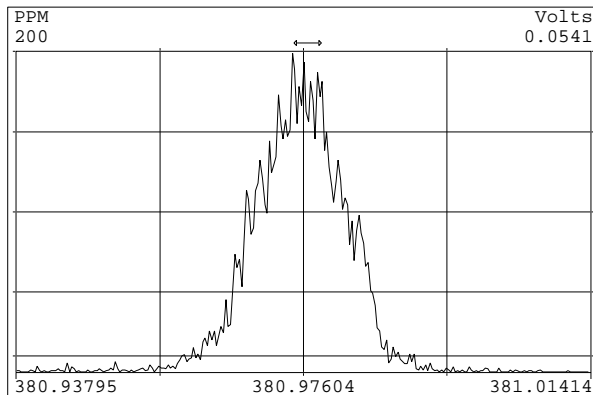
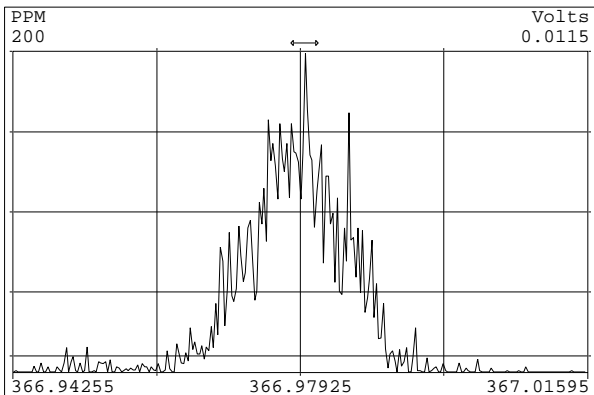


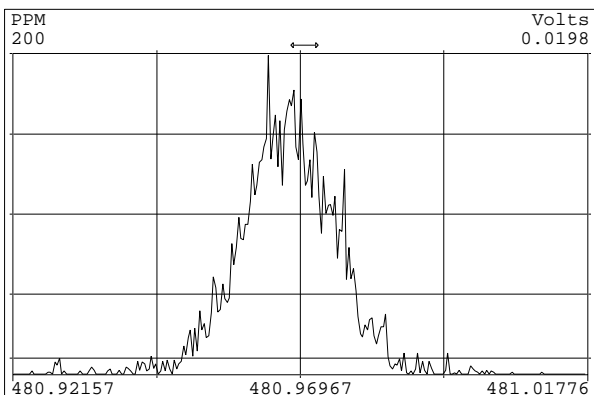
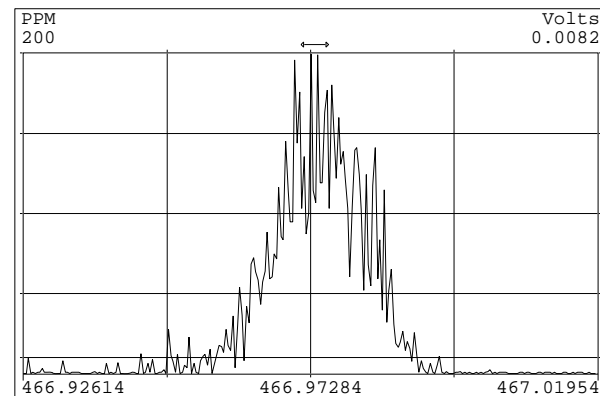
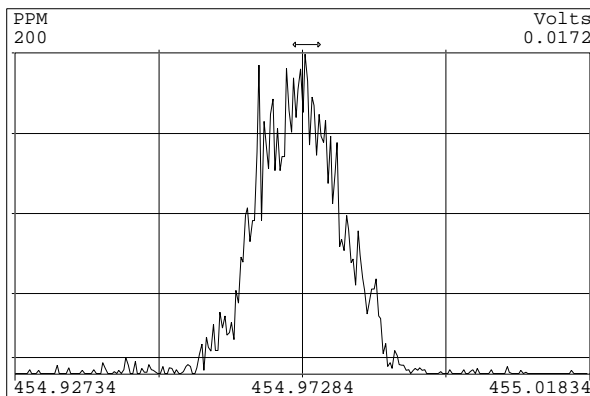
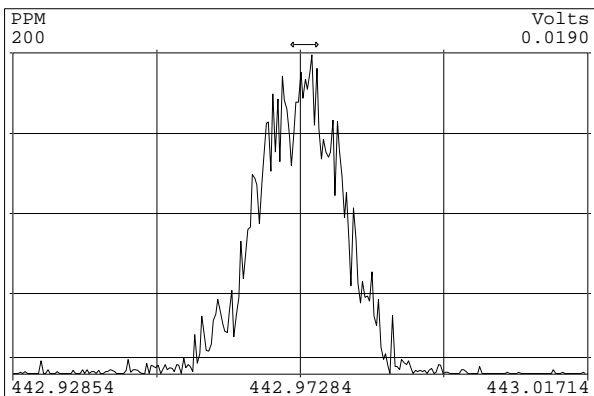
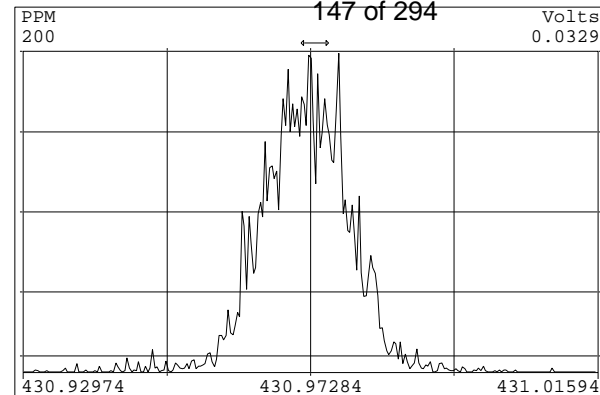
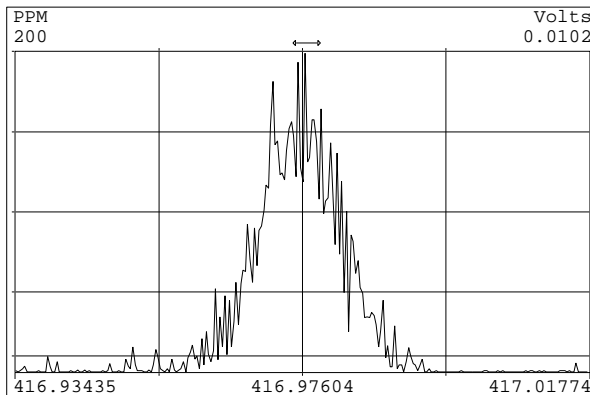
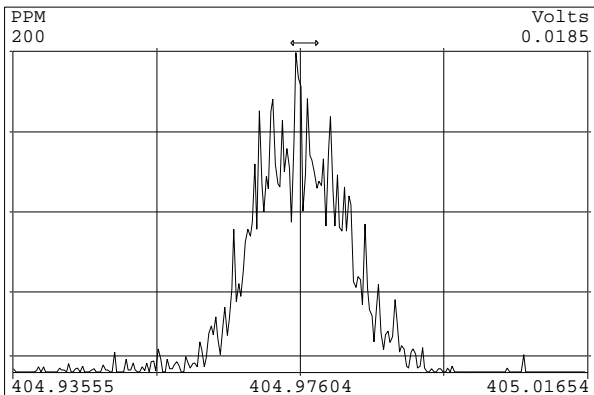


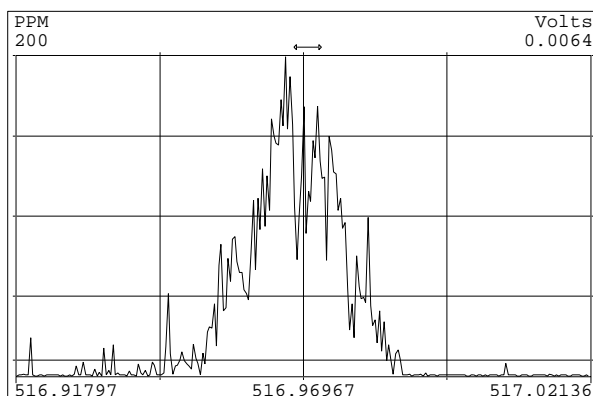
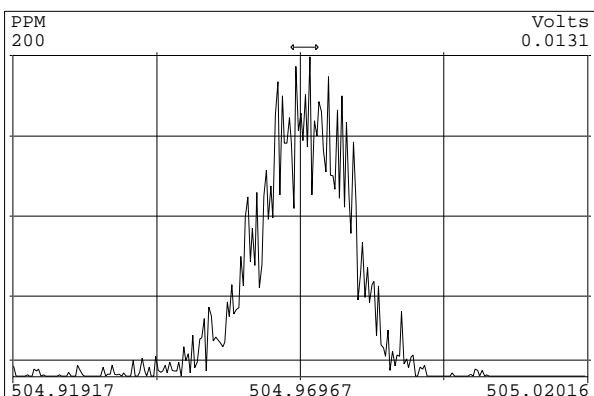
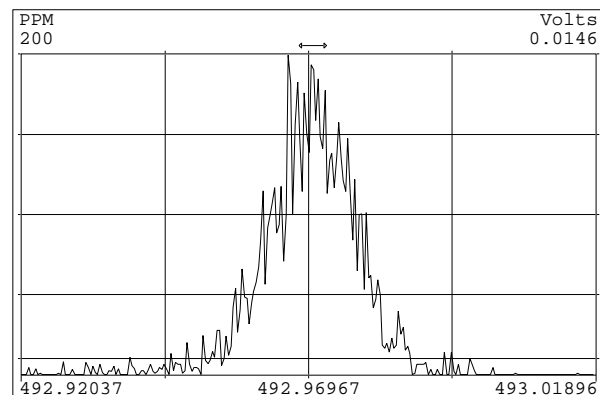
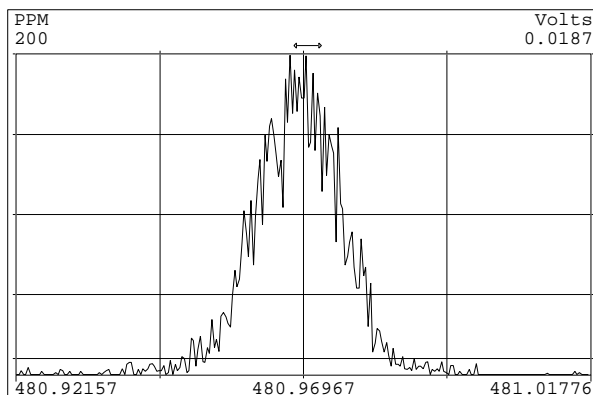
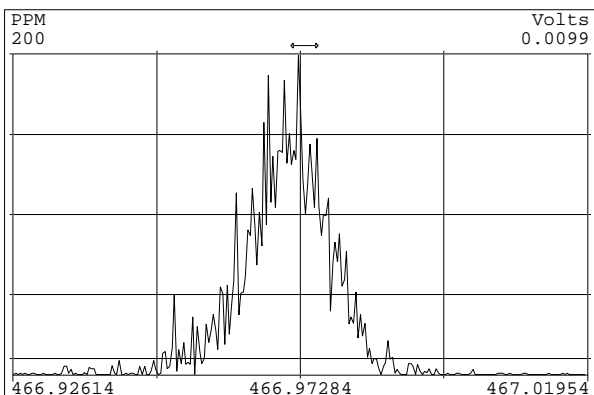
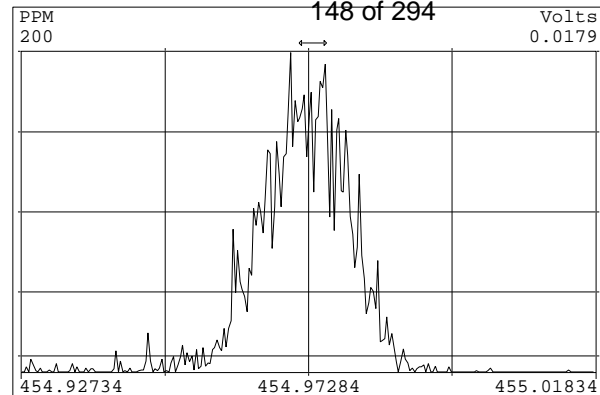
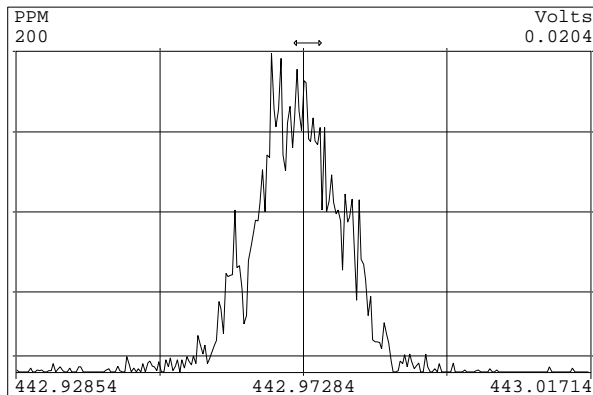
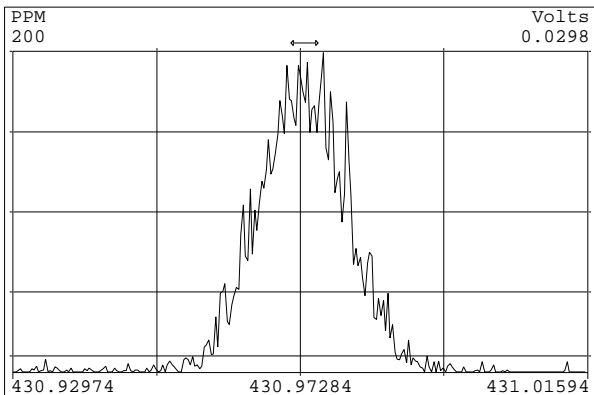












Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 13-Feb-2013										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06	
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13	
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03	
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14	
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06	
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03	
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31	
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19	
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23	
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18	
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45	
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39	
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05	
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04	
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00	
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08	
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10	
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23	
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01	
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81	
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11	
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98	
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98	
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32	
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50	
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38	
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29	
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09	
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98	
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives					Processed: 14 Feb 2013 09:42		
ICAL: MM1_11012010A_DF_13FEB2013									
Name	Mean	% RSD	0.50 #REF!	1.00 CS1	5.00 CS2	50 CS3	400 CS4	2000 CS5	
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
ES									
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
Alternate									
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							
#REF!	#DIV/0!	#DIV/0!							

8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED*By Michael D H Chu at 10:46 am, Feb 14, 2013***APPROVED***By Jeremy Kadylak at 1:25 pm, Feb 14, 2013*

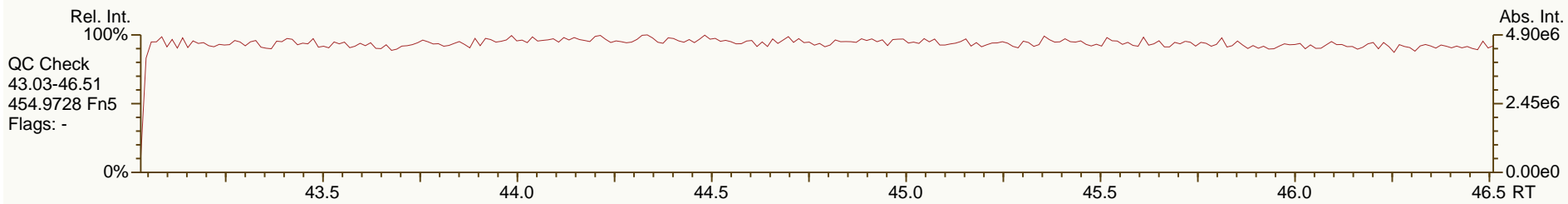
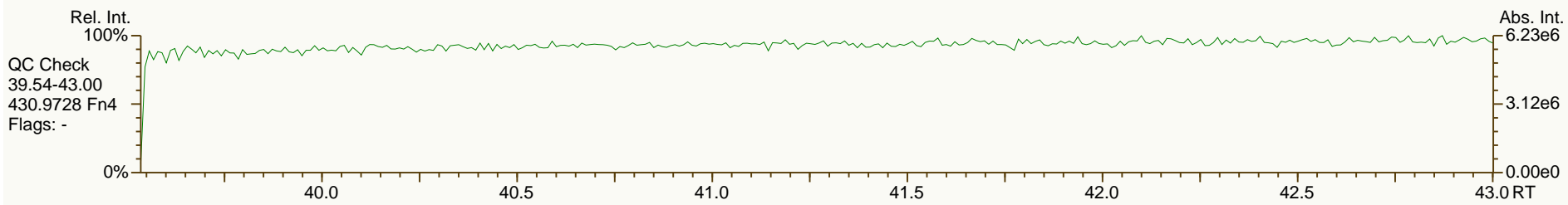
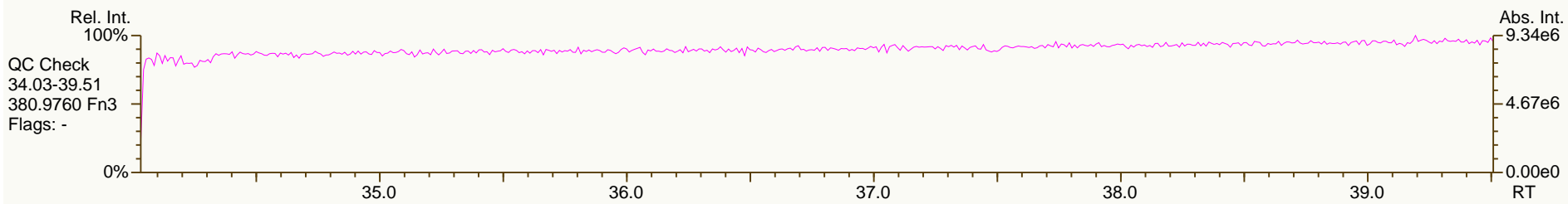
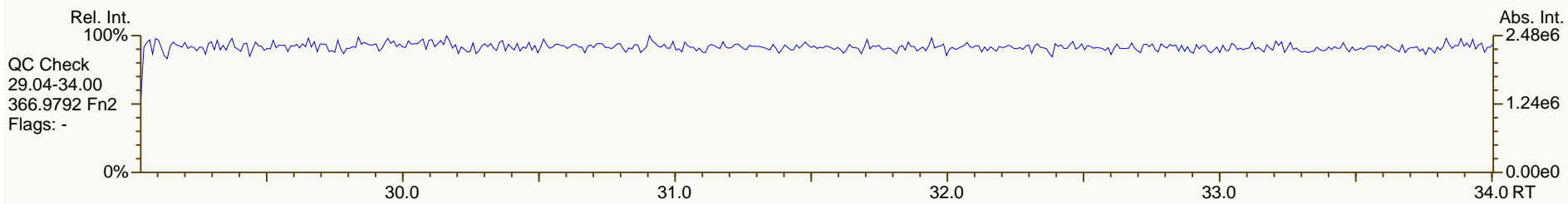
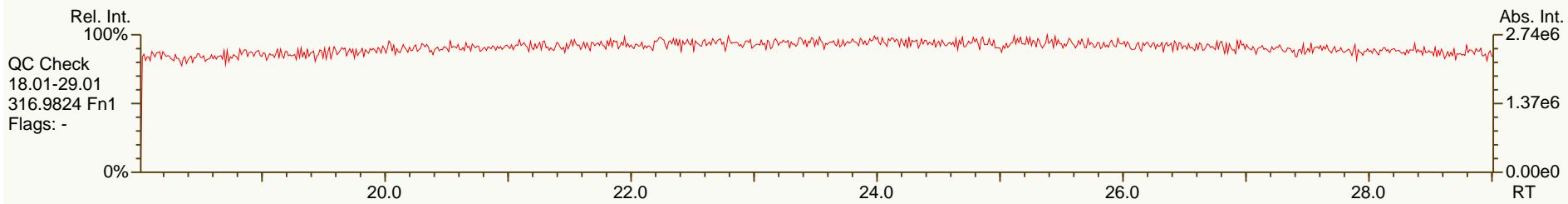
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Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

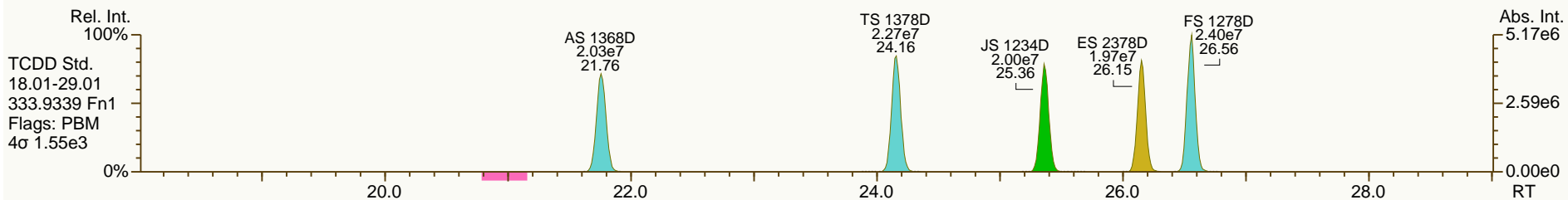
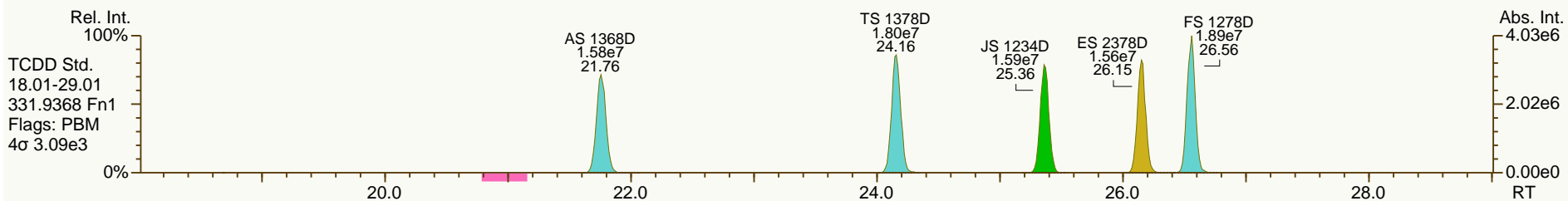
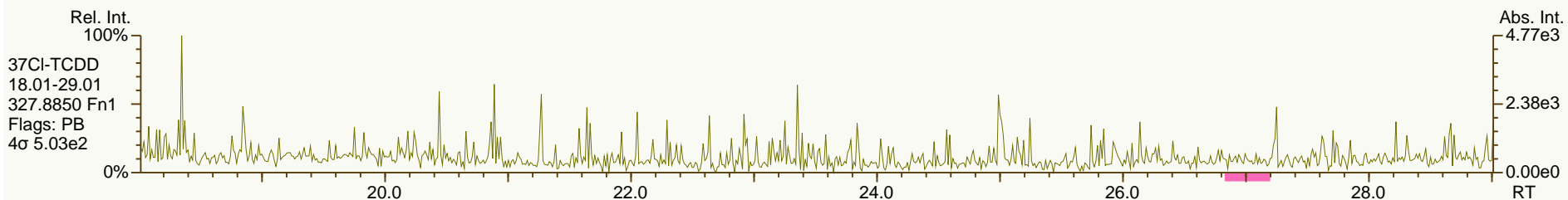
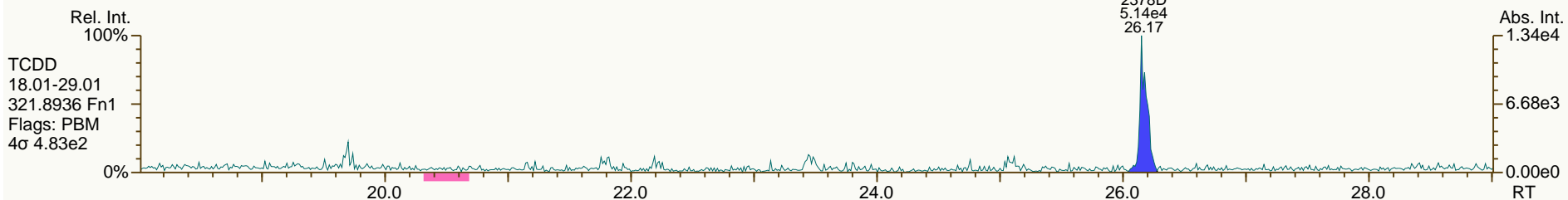
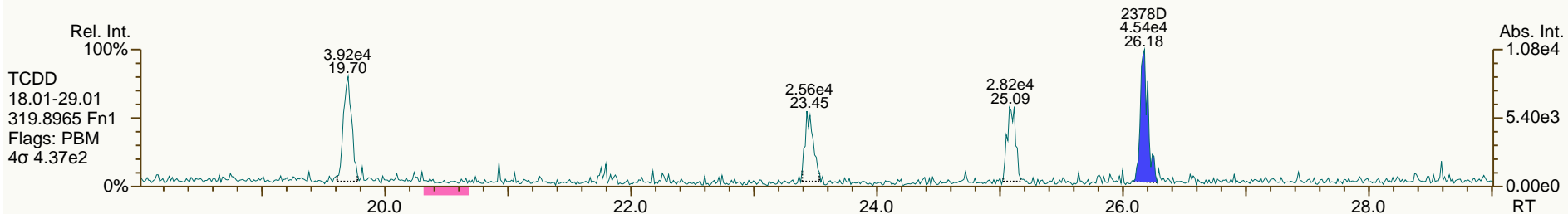
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

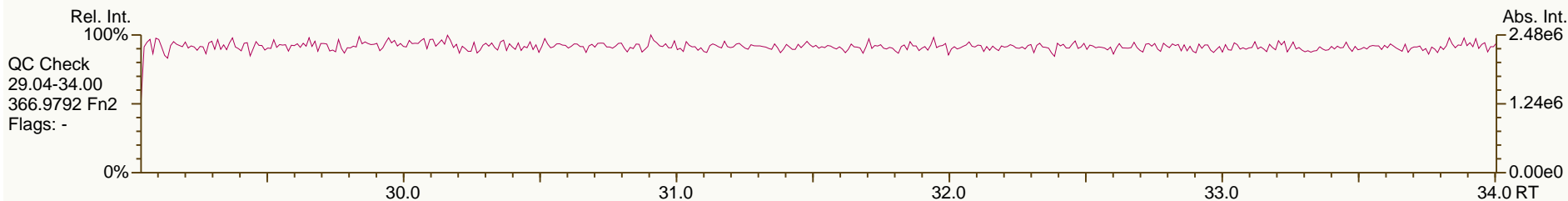
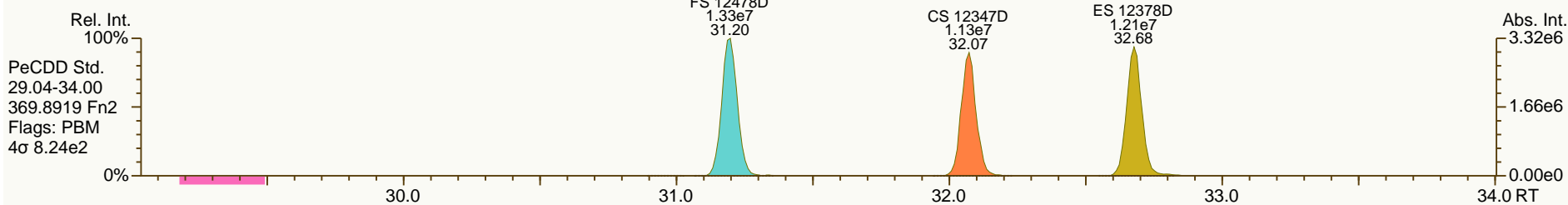
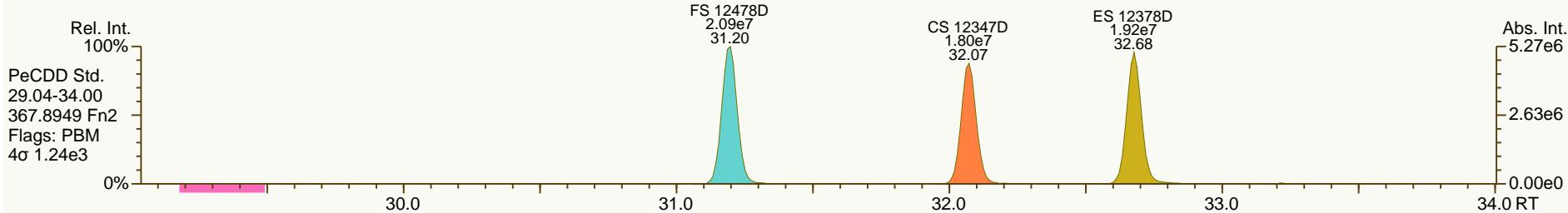
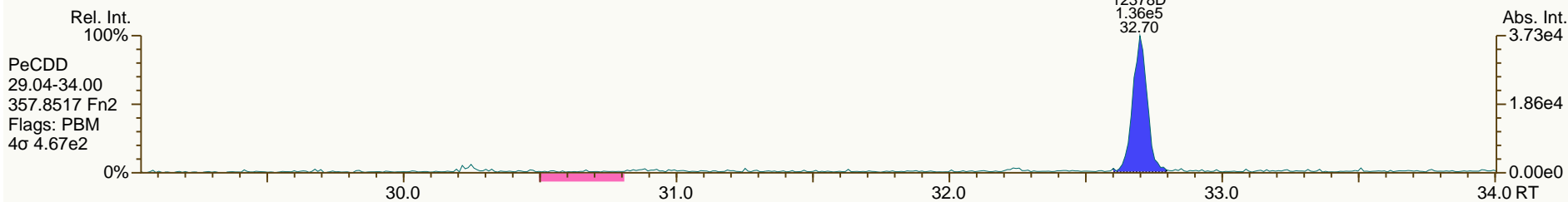
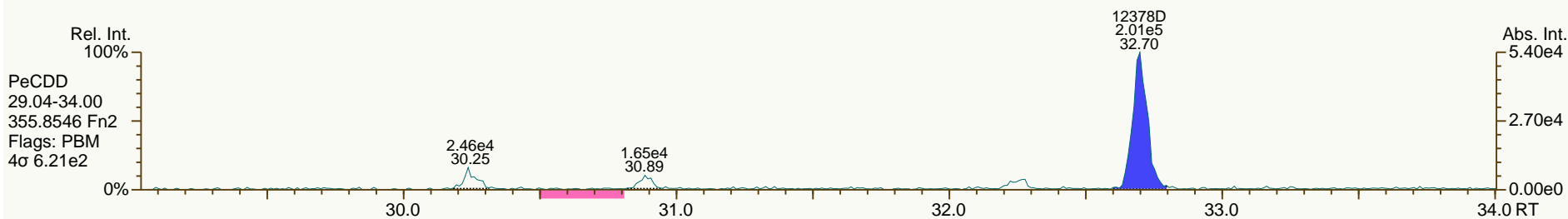
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

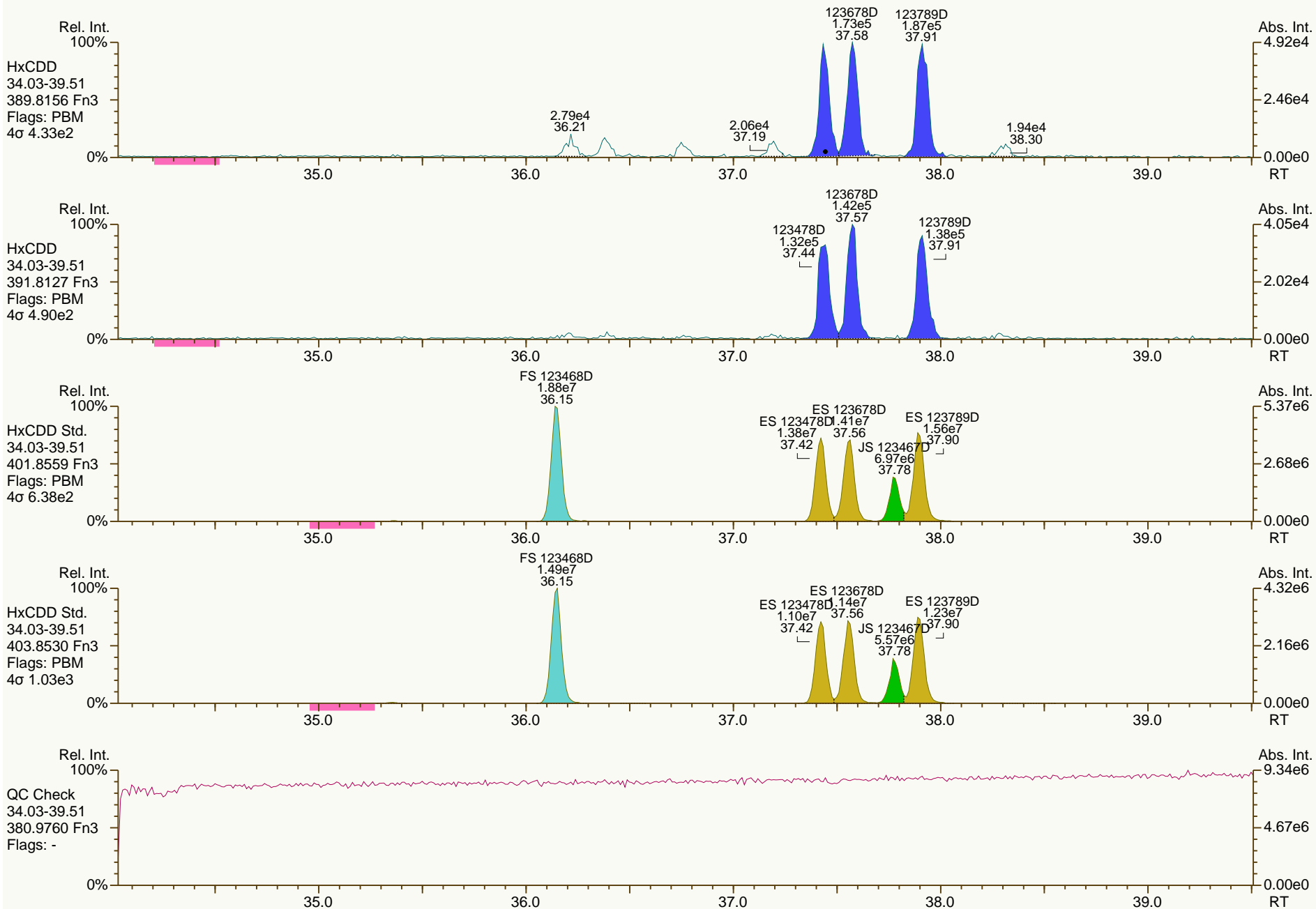
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

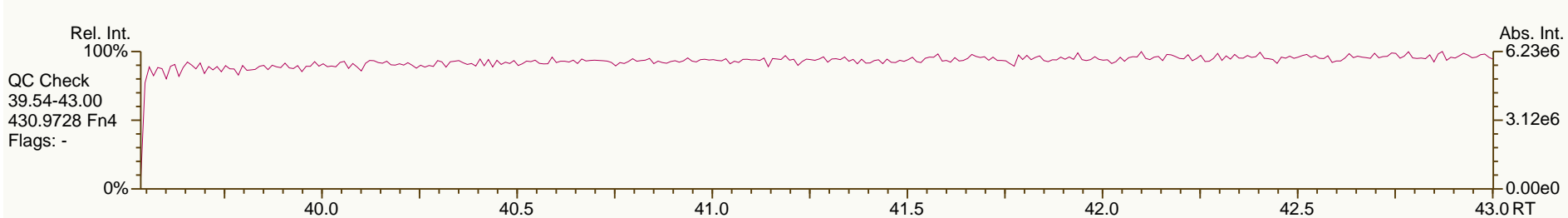
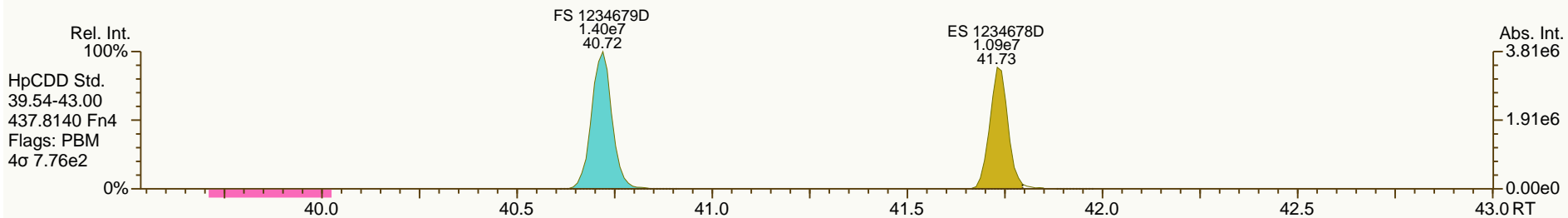
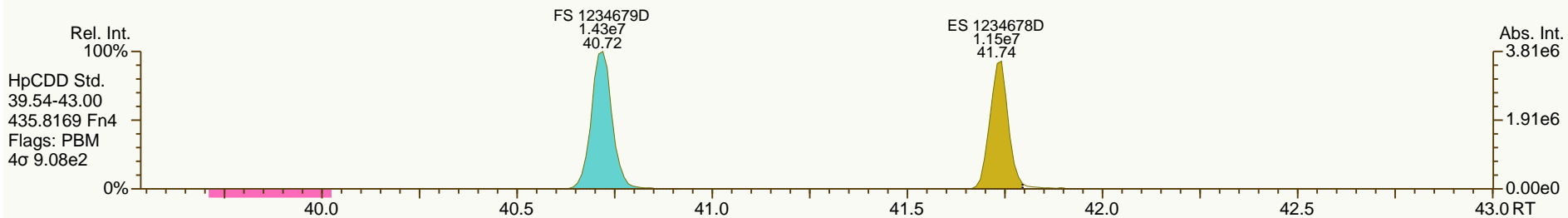
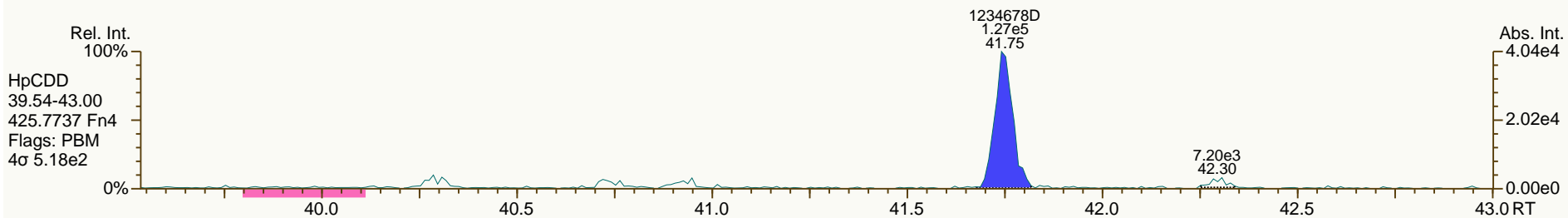
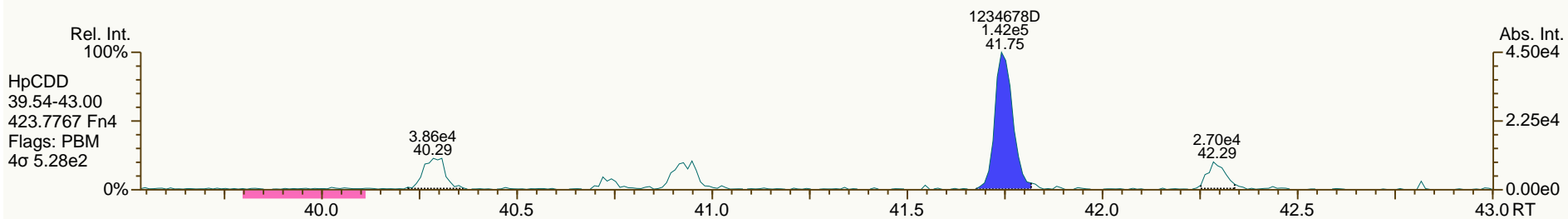
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

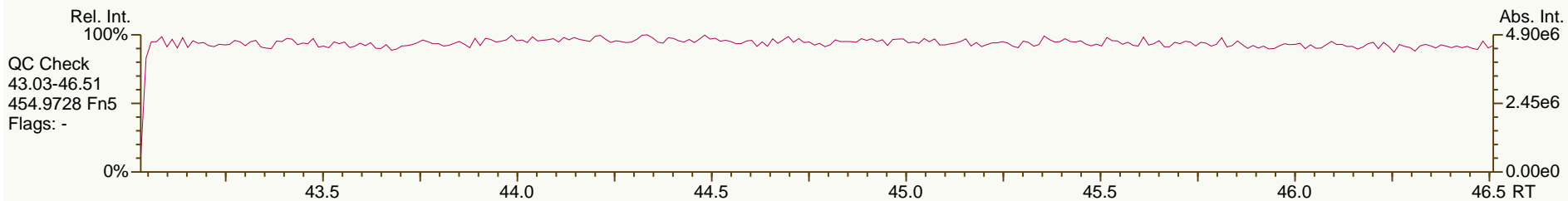
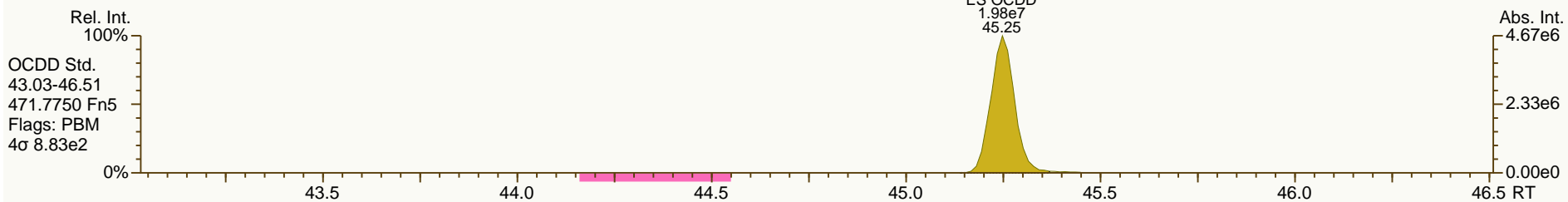
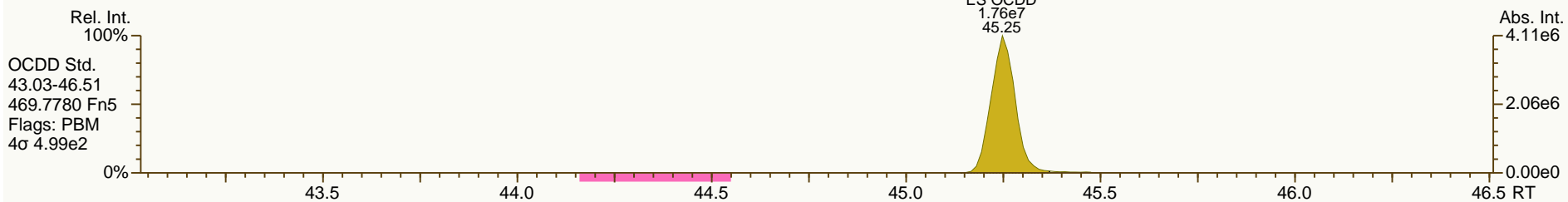
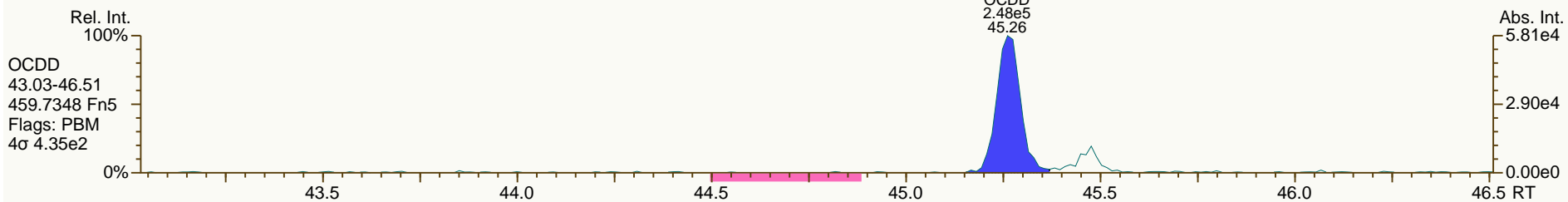
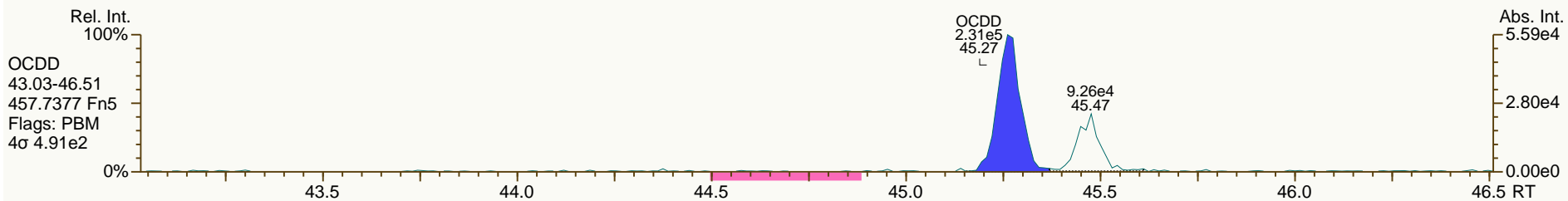
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

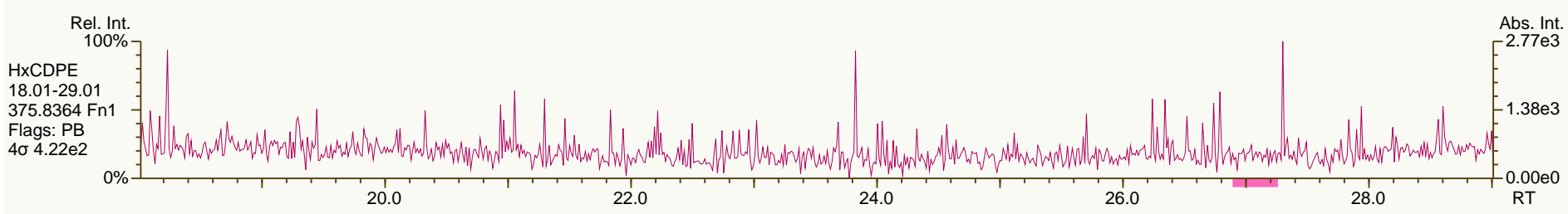
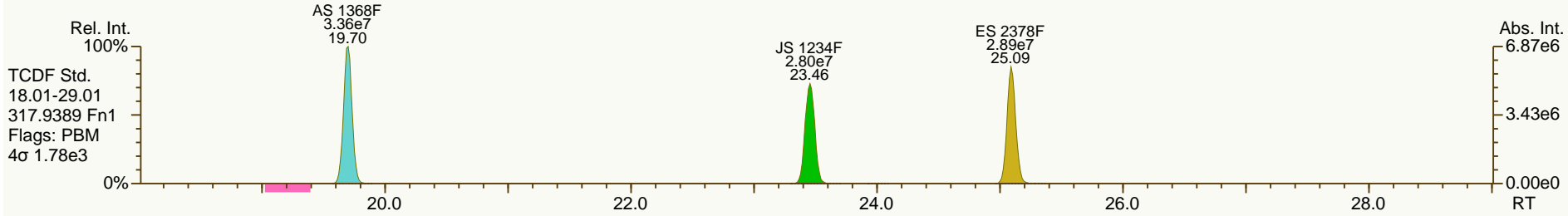
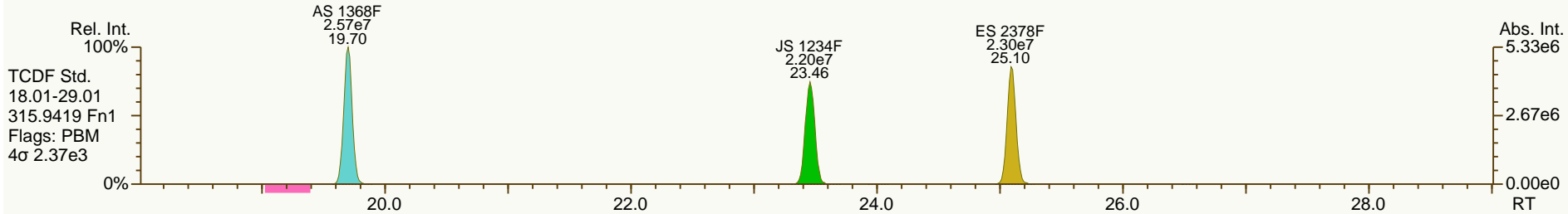
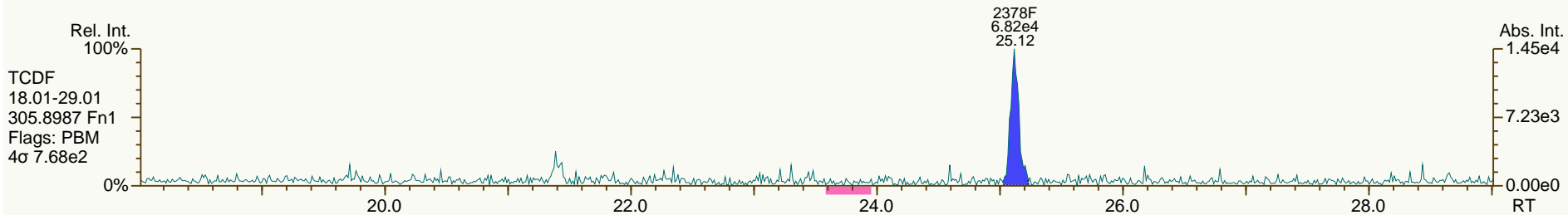
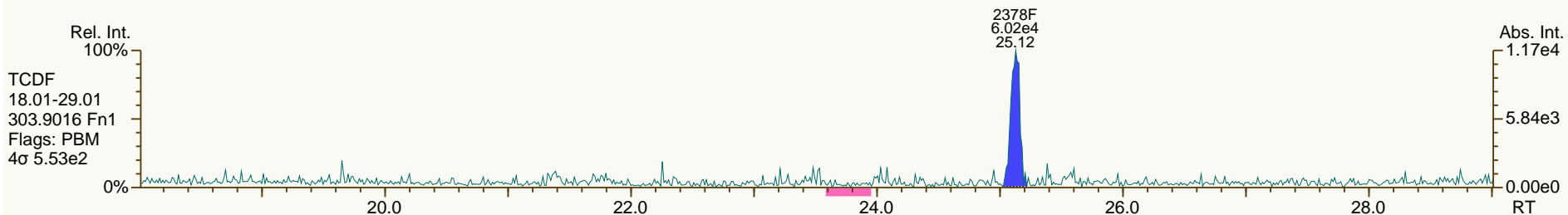
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

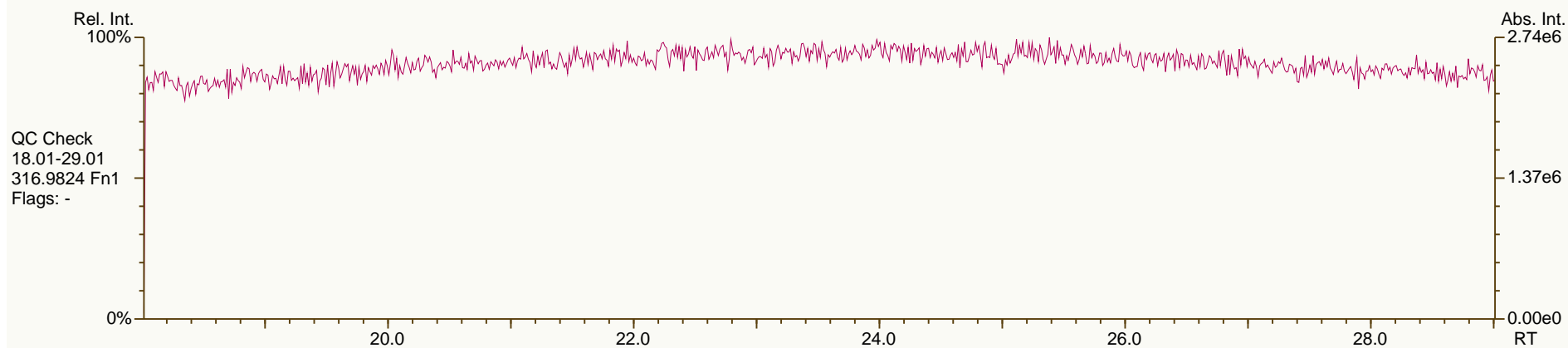
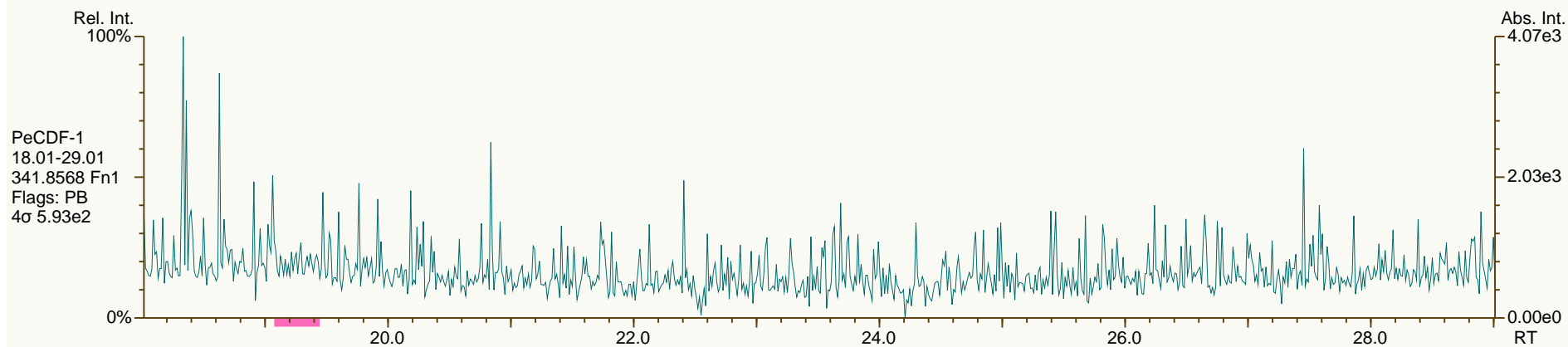
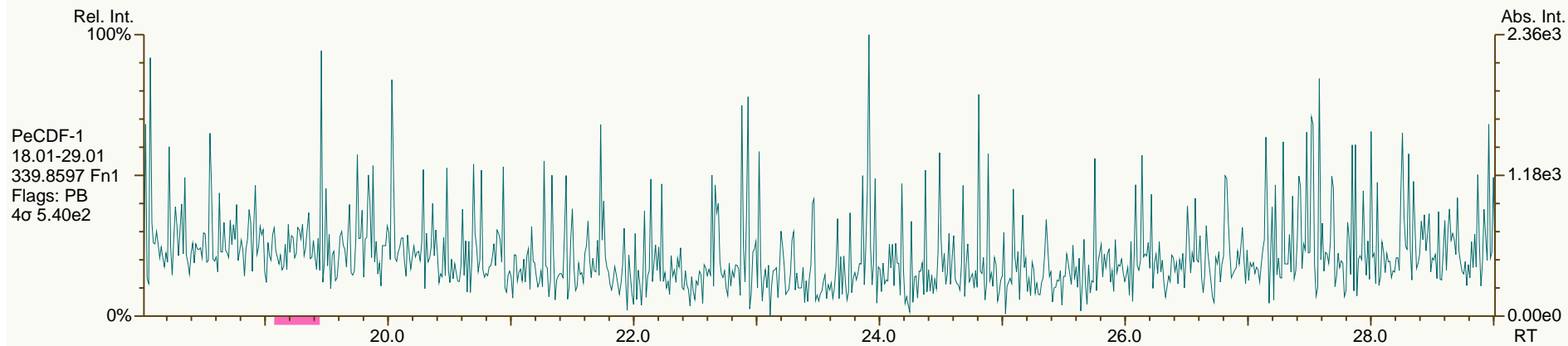
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

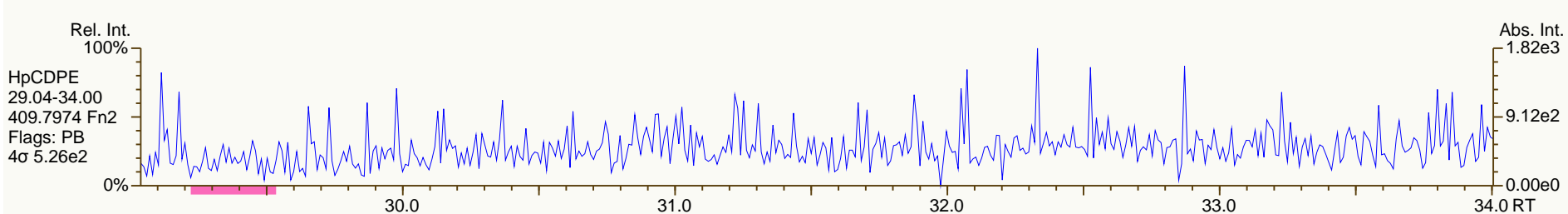
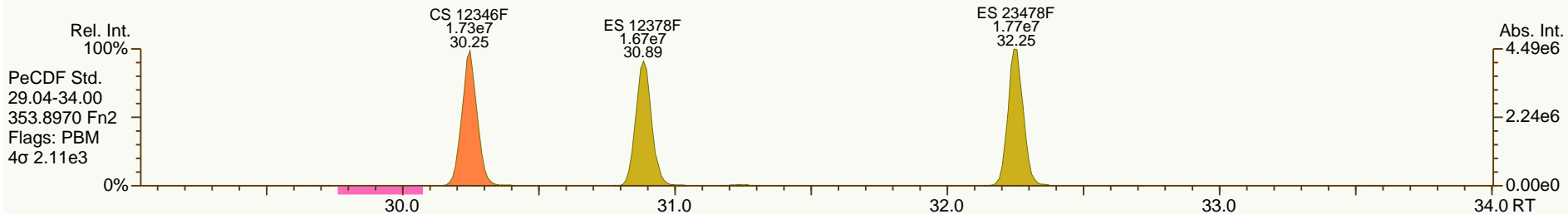
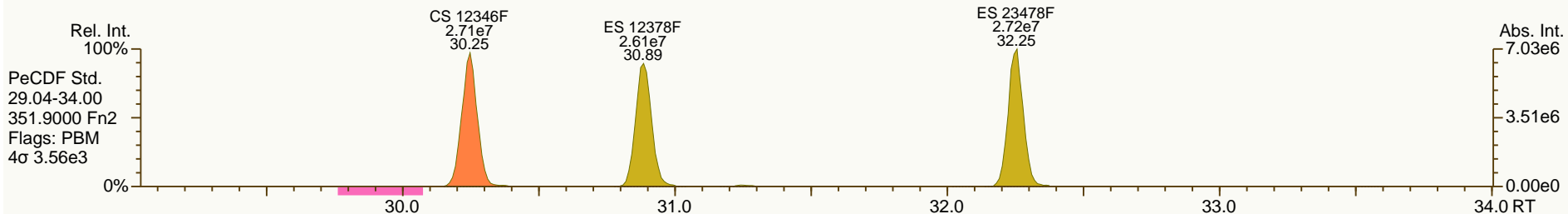
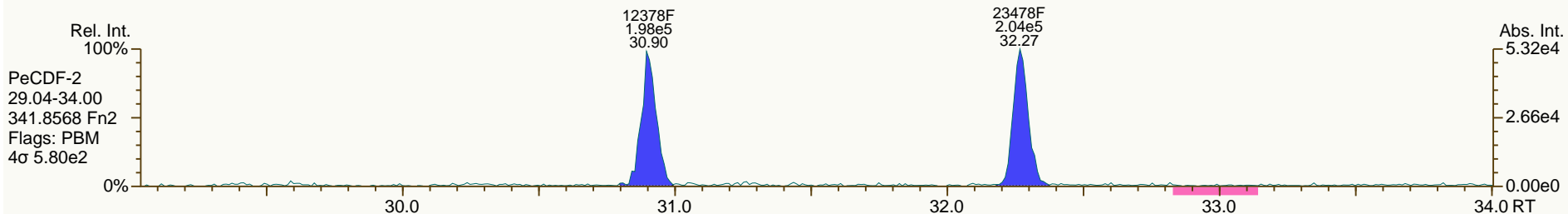
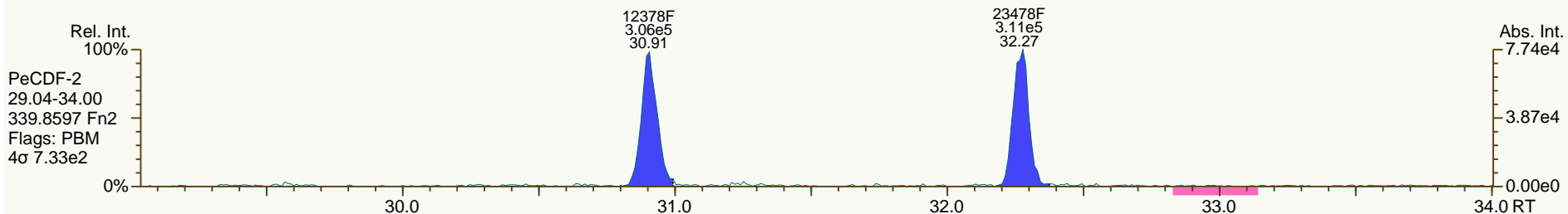
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

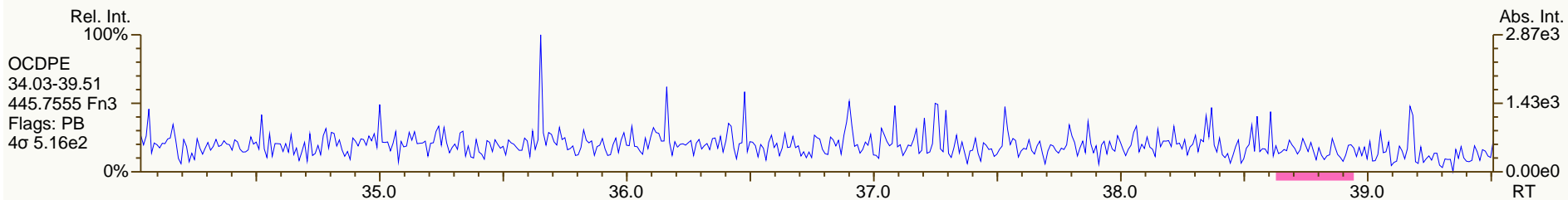
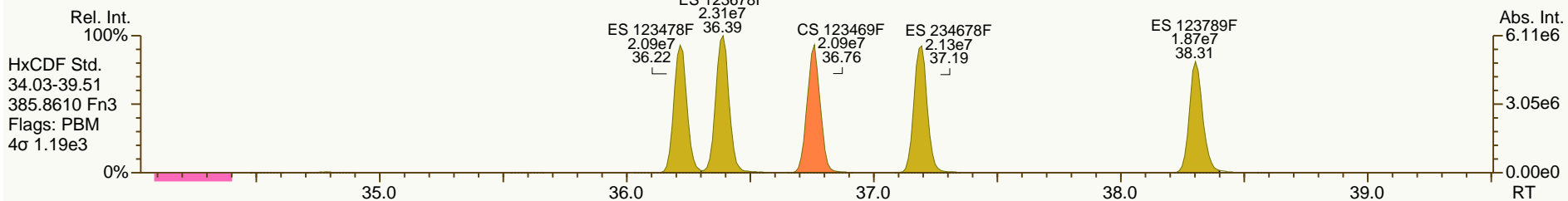
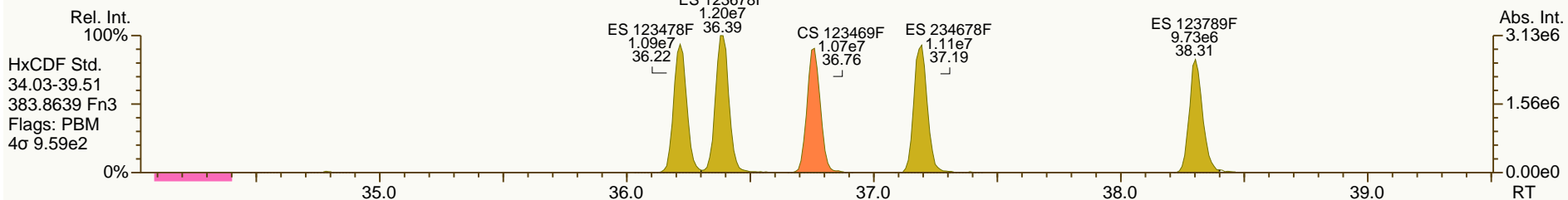
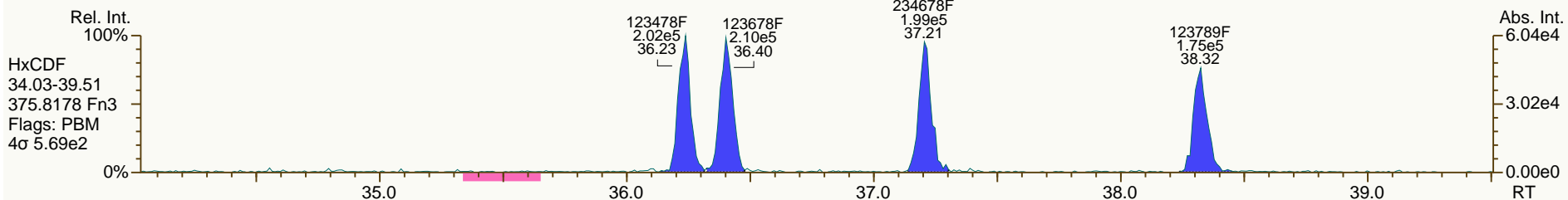
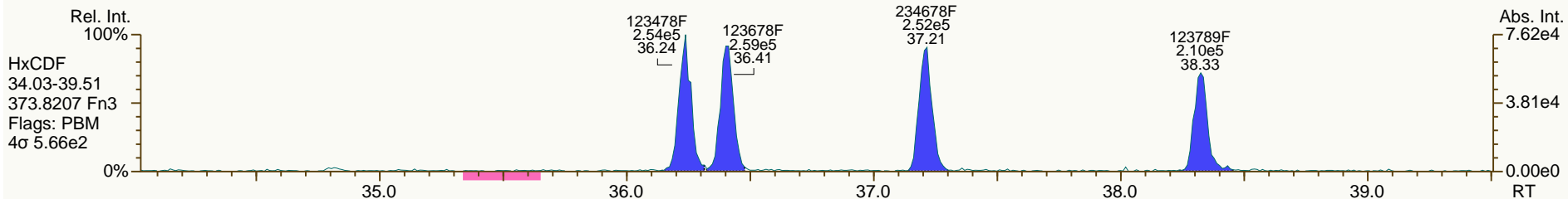
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

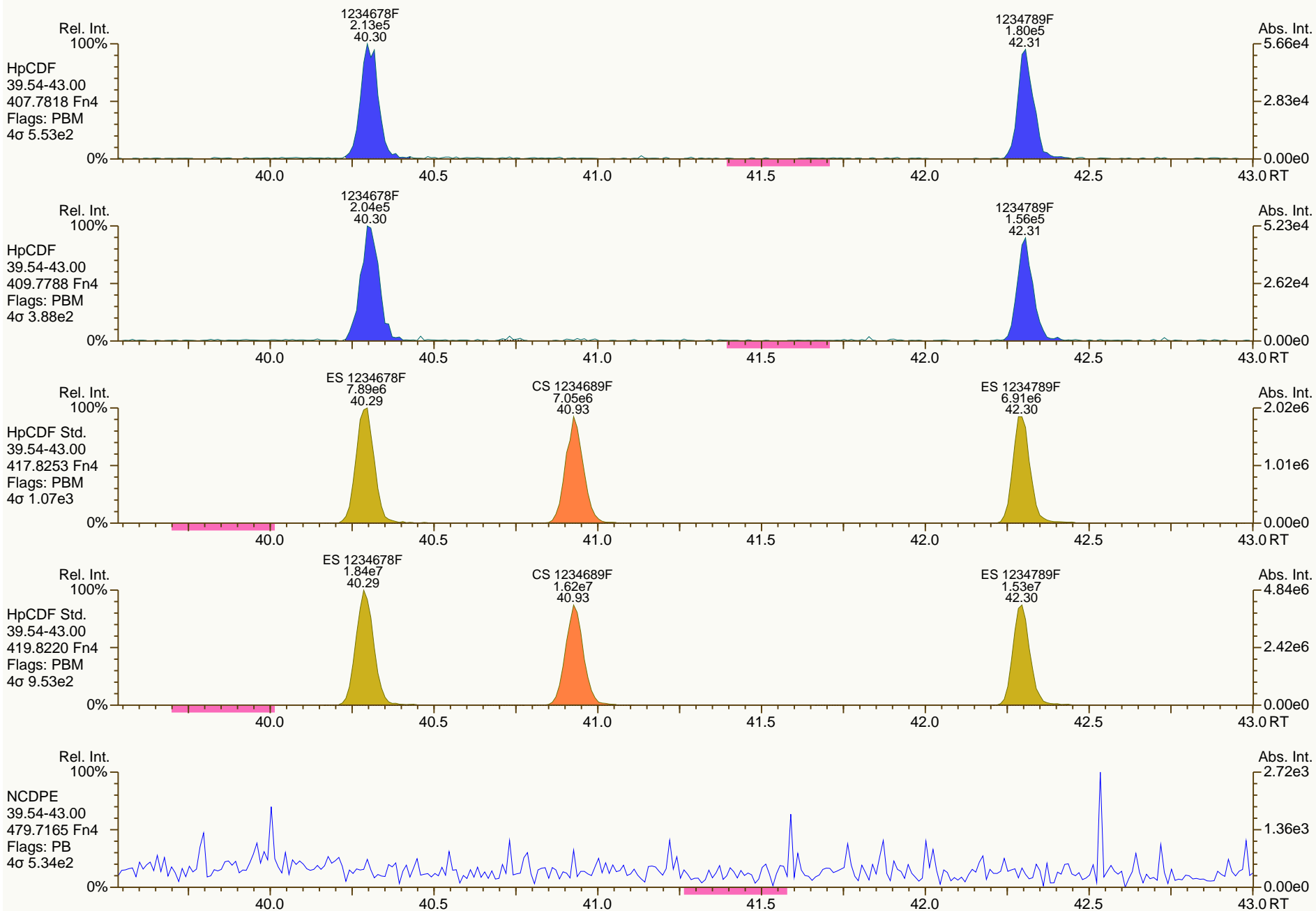
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

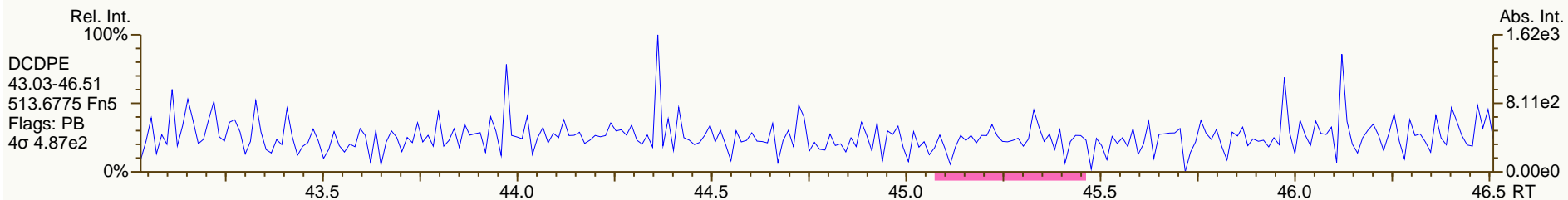
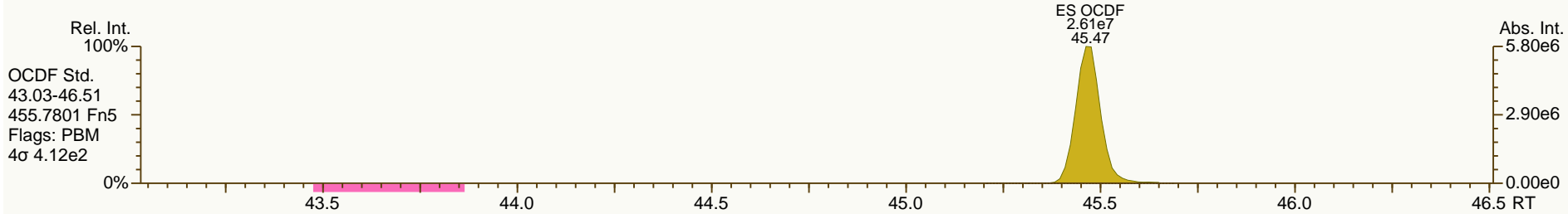
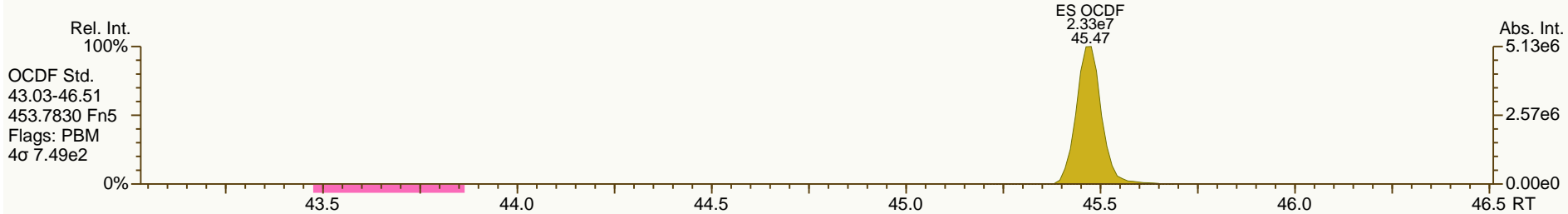
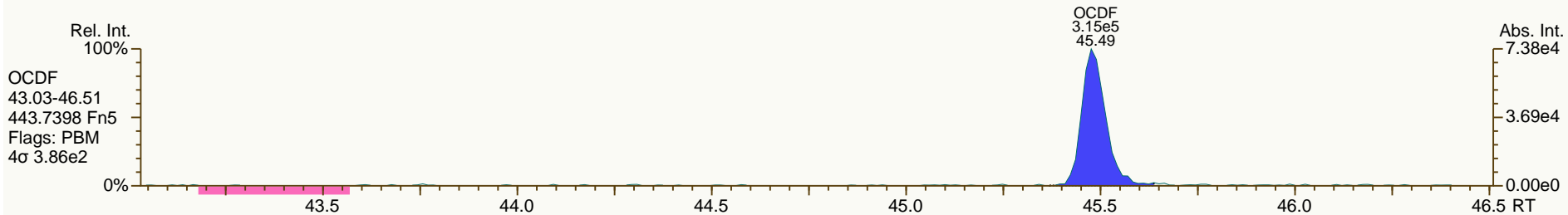
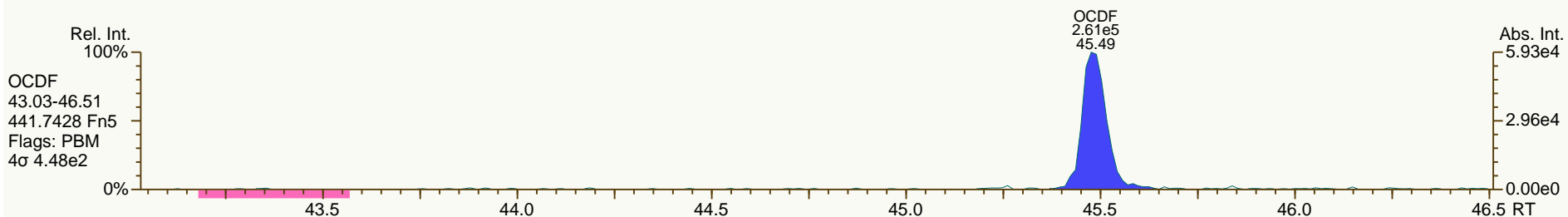
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User: MDC Datafile: 130213P2-02



SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
User: MDC Datafile: 130213P2-02



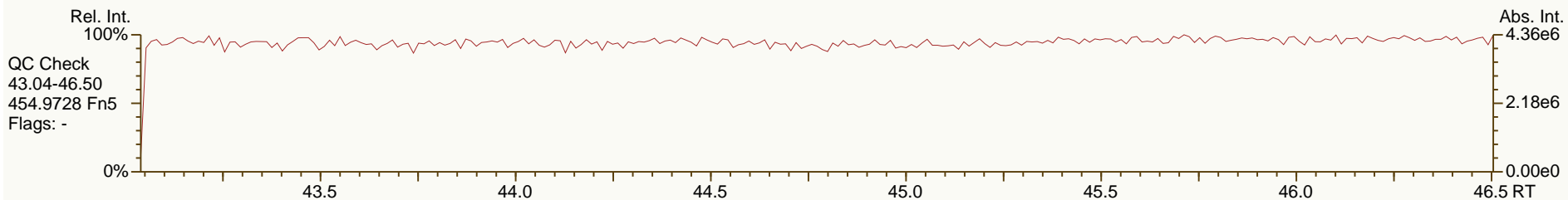
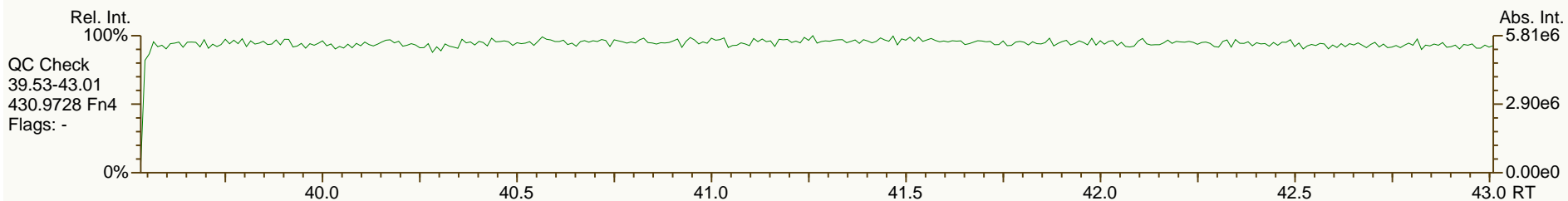
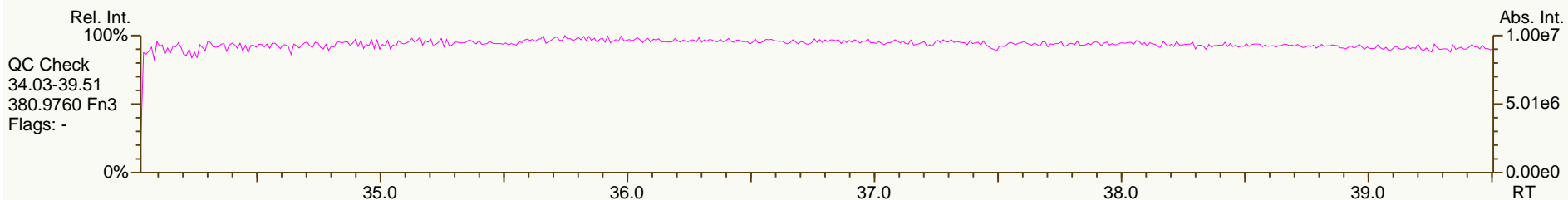
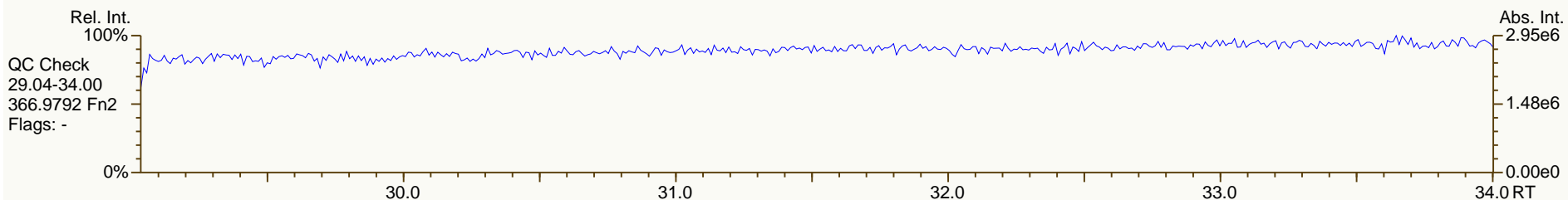
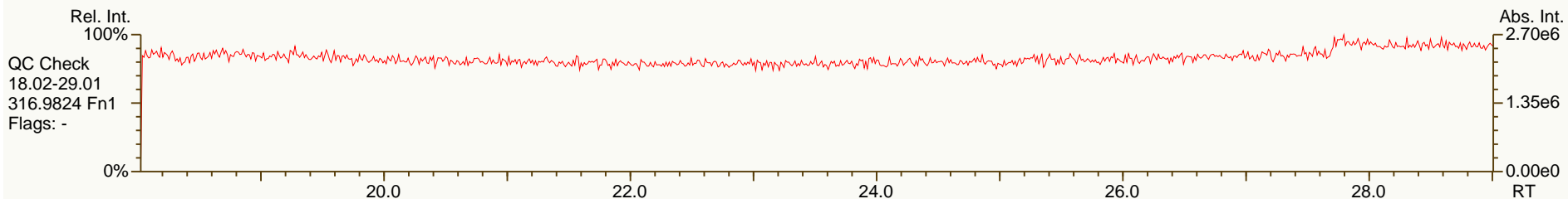
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
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JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

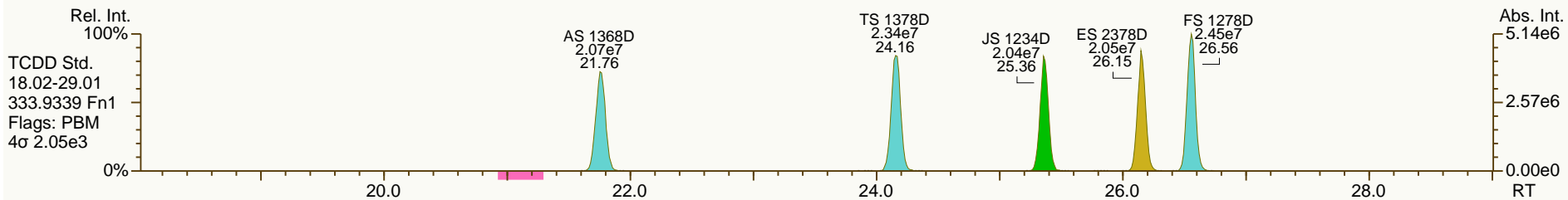
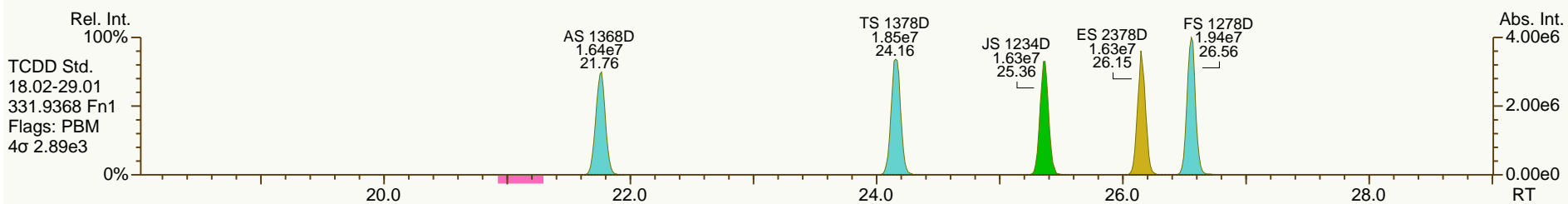
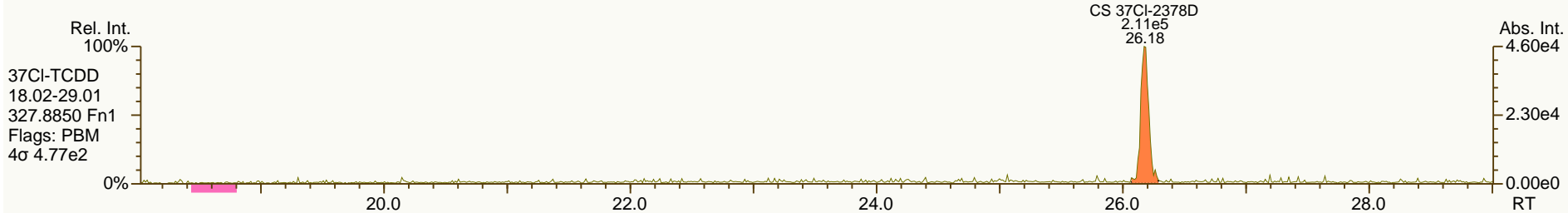
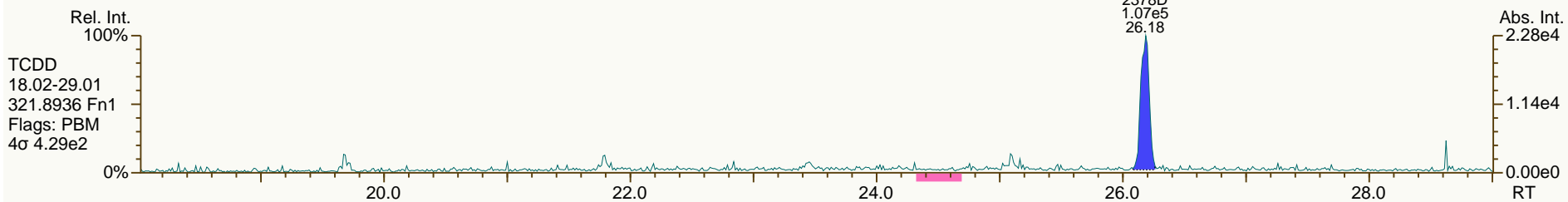
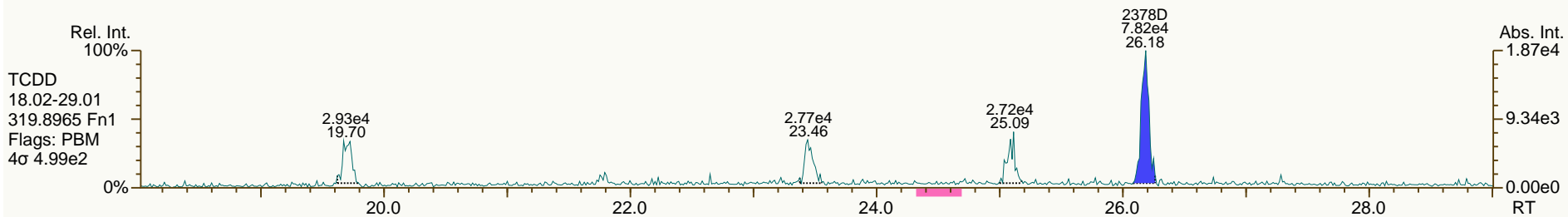
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

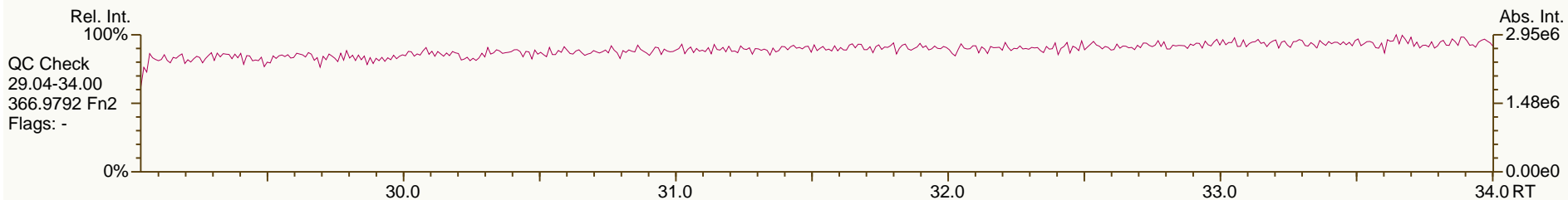
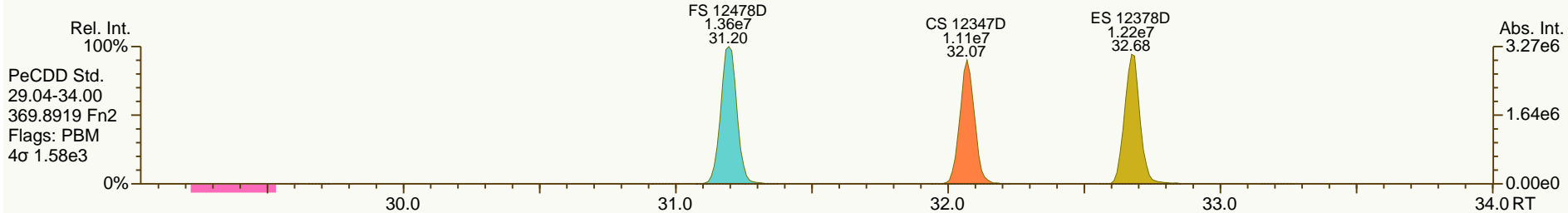
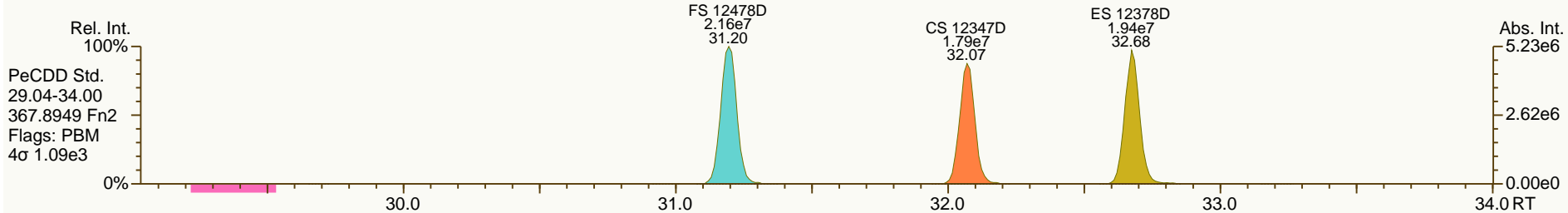
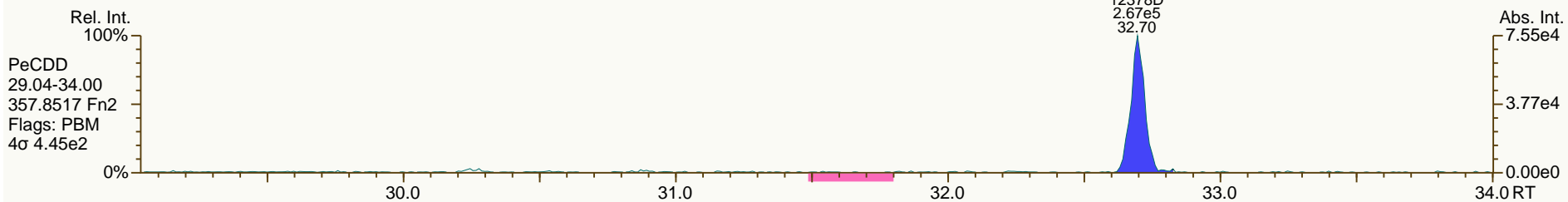
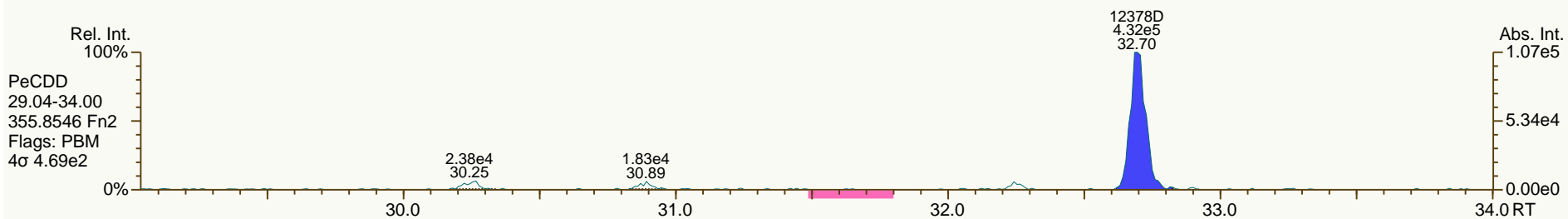
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

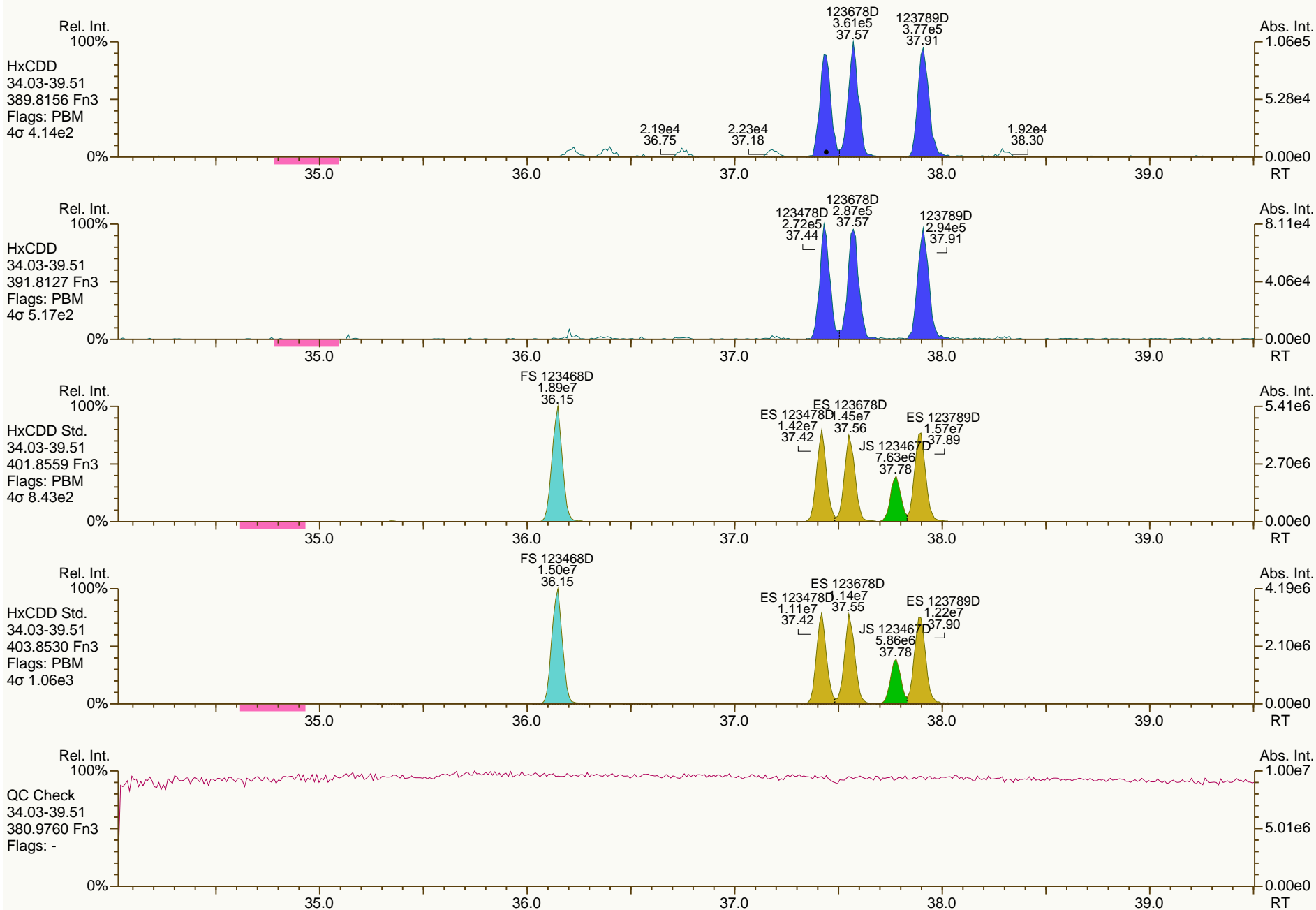
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

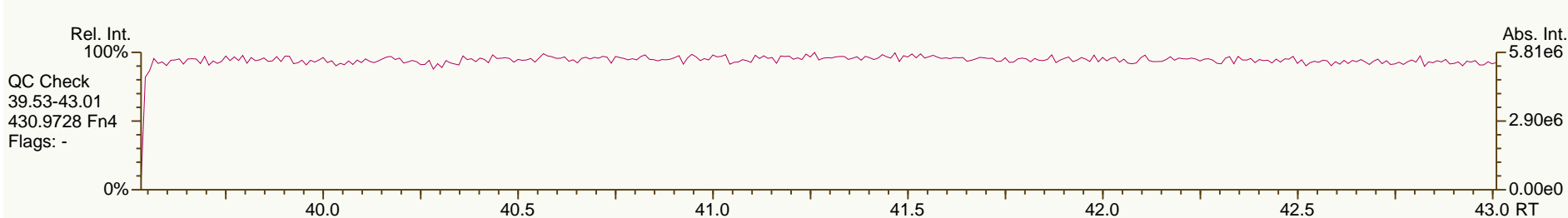
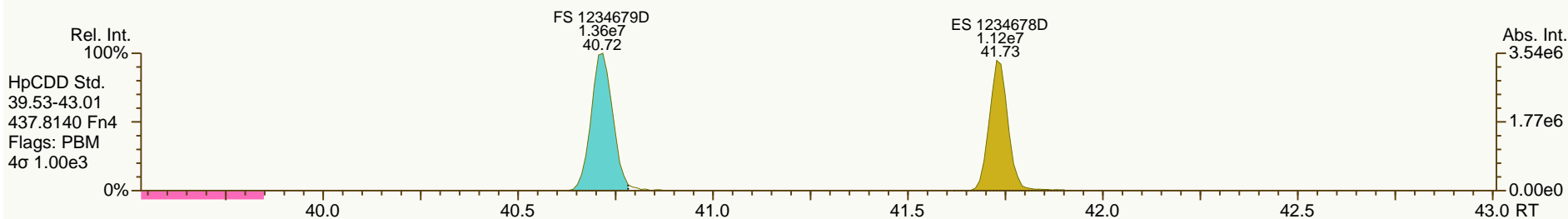
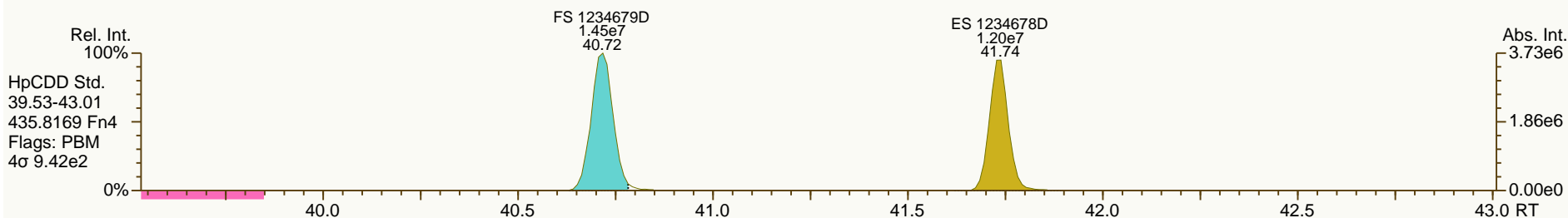
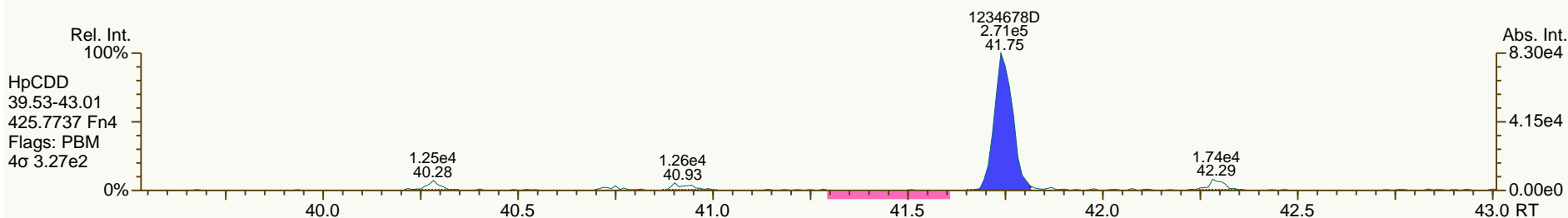
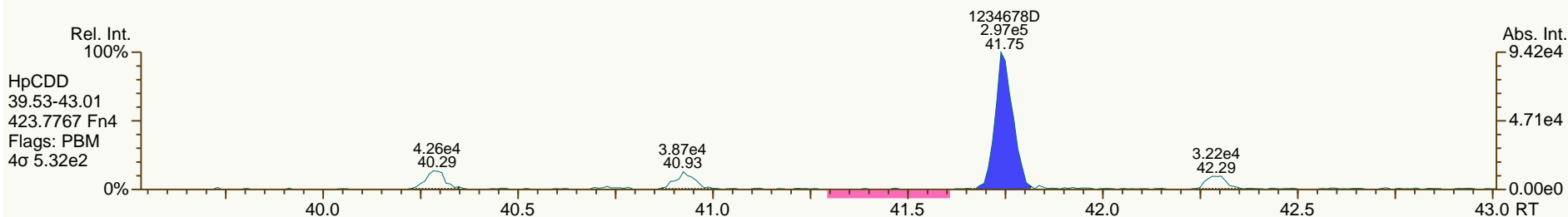
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

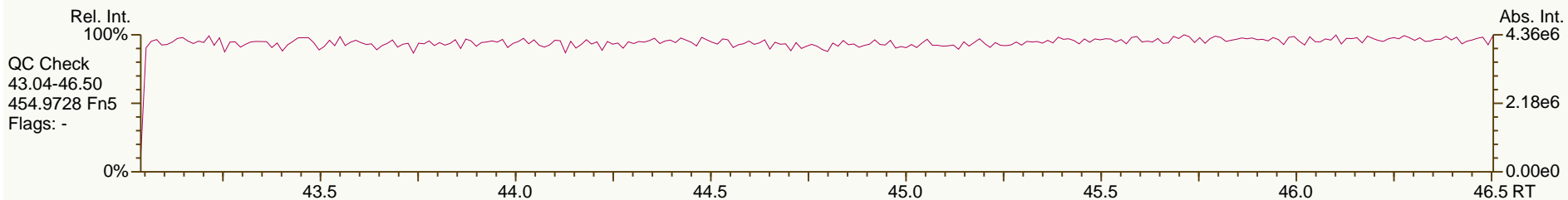
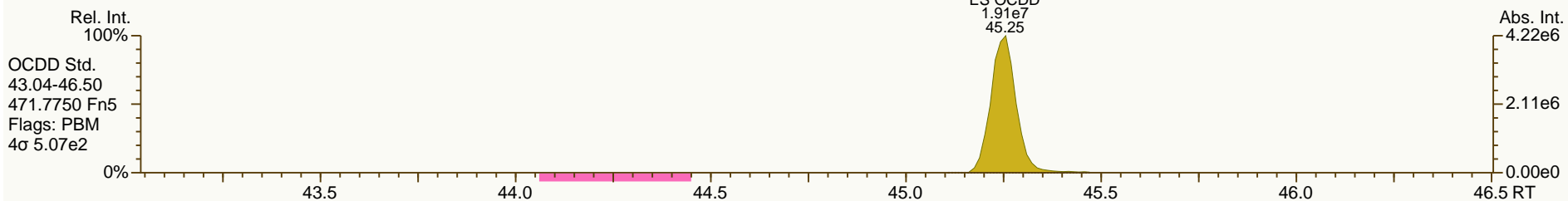
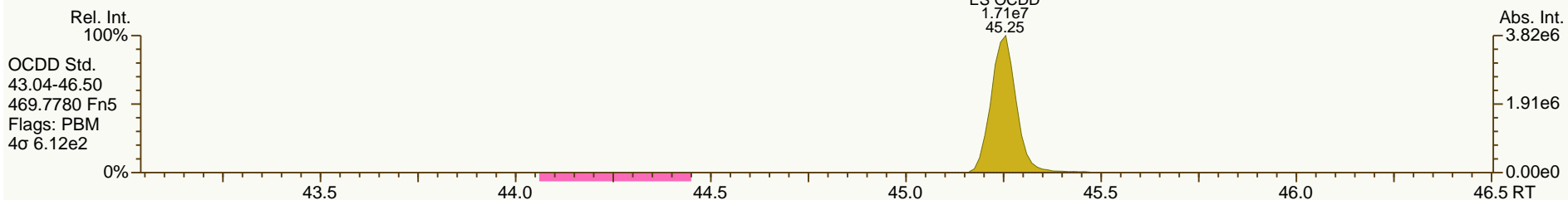
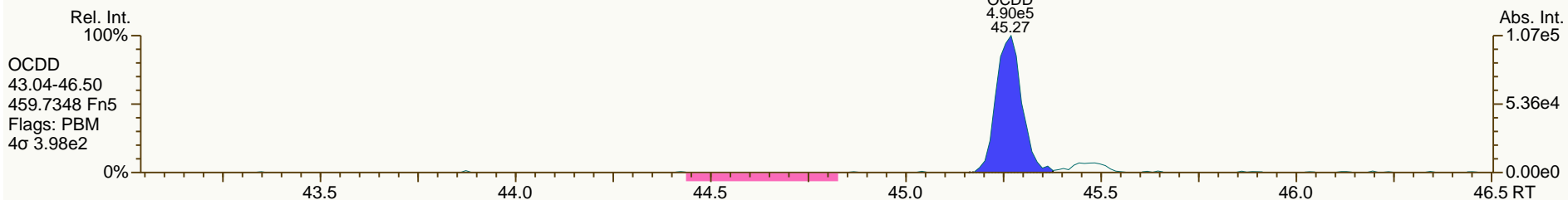
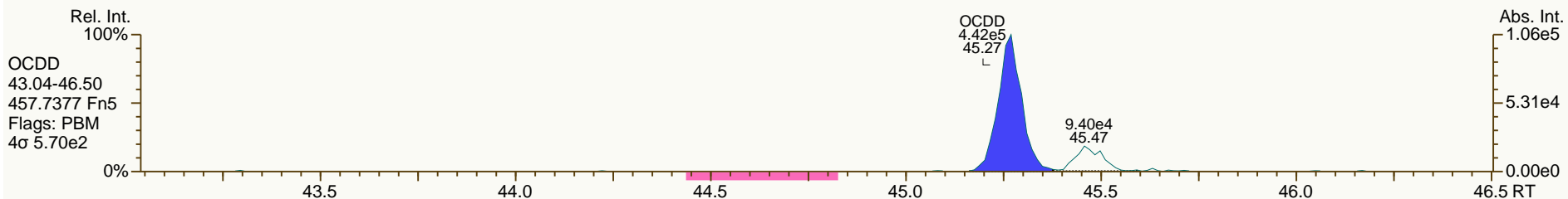
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

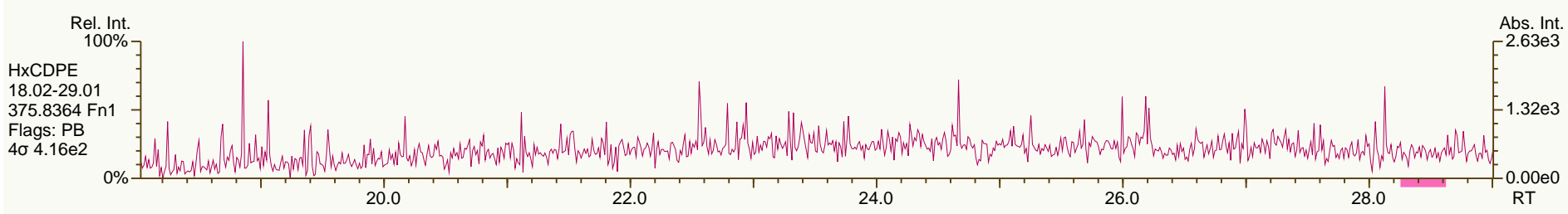
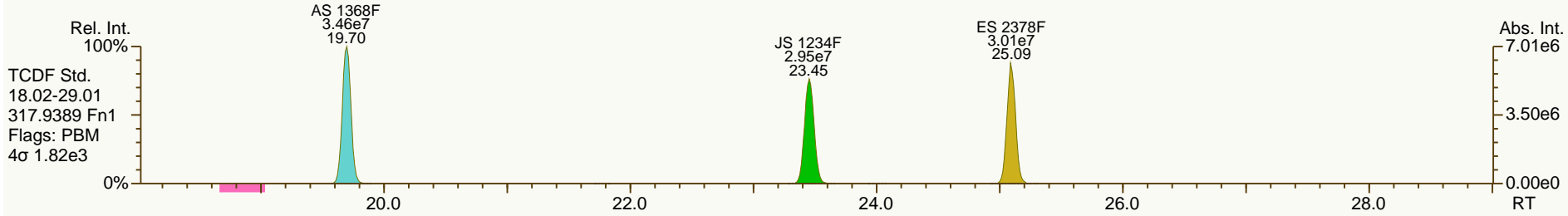
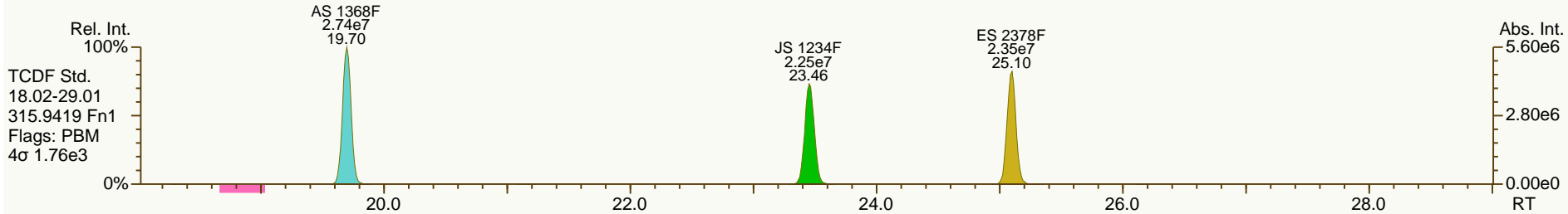
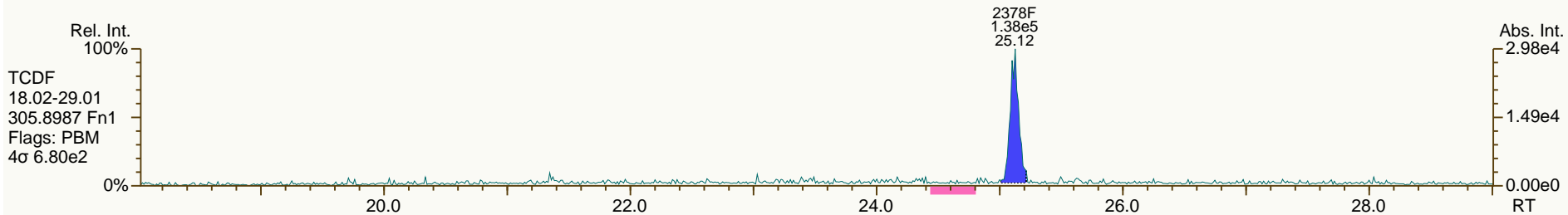
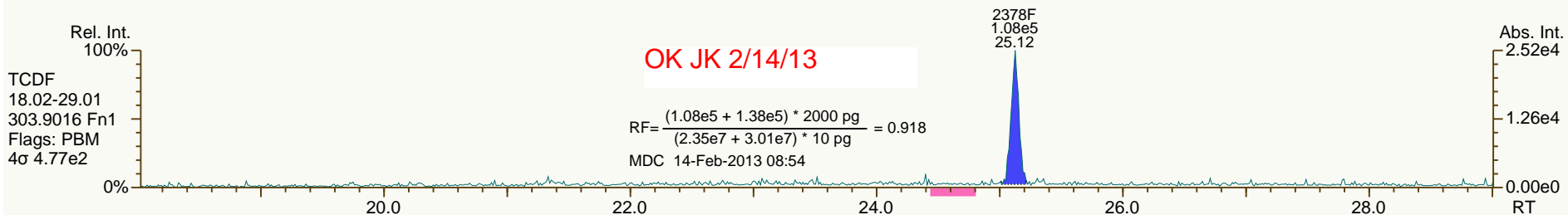
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

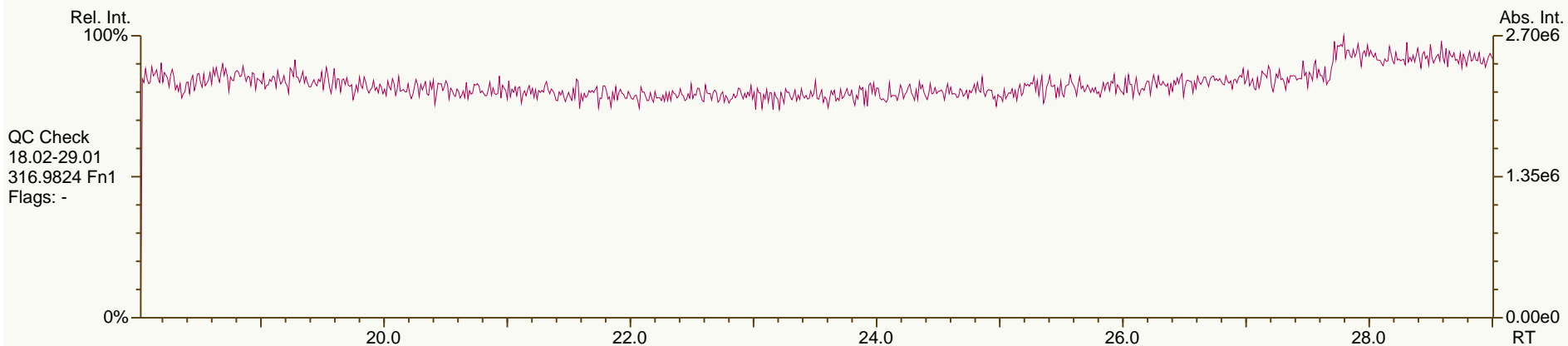
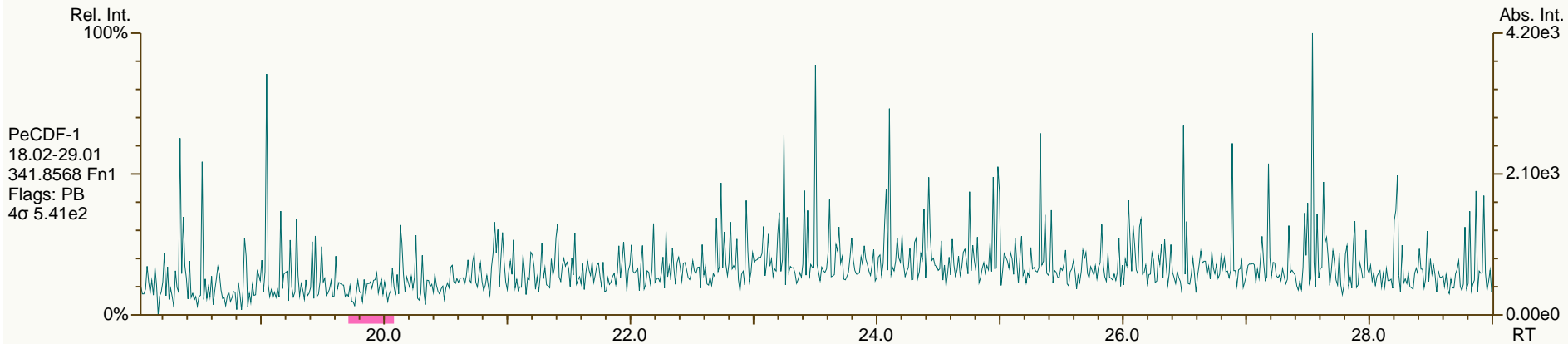
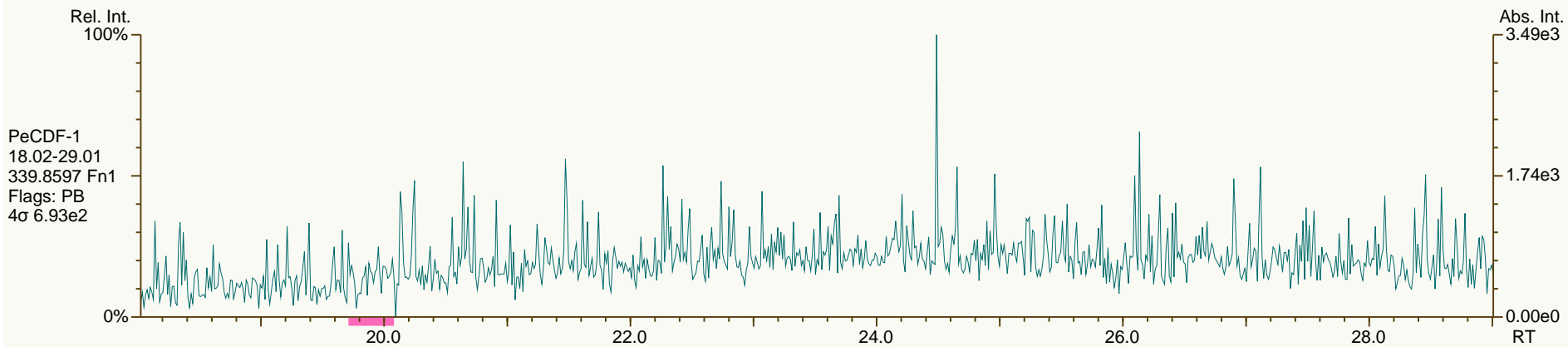
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

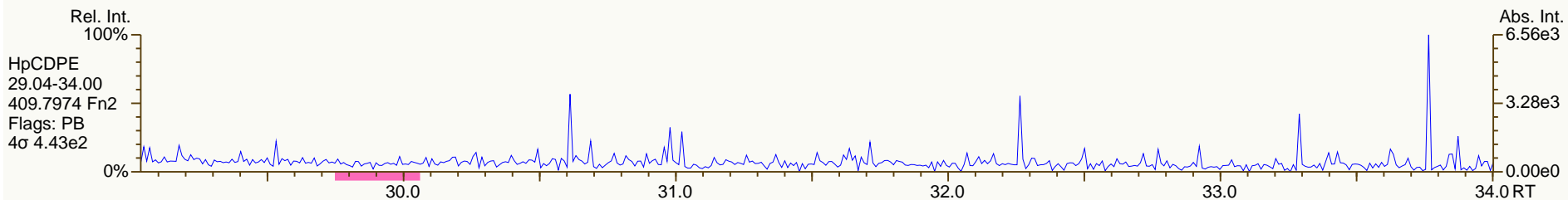
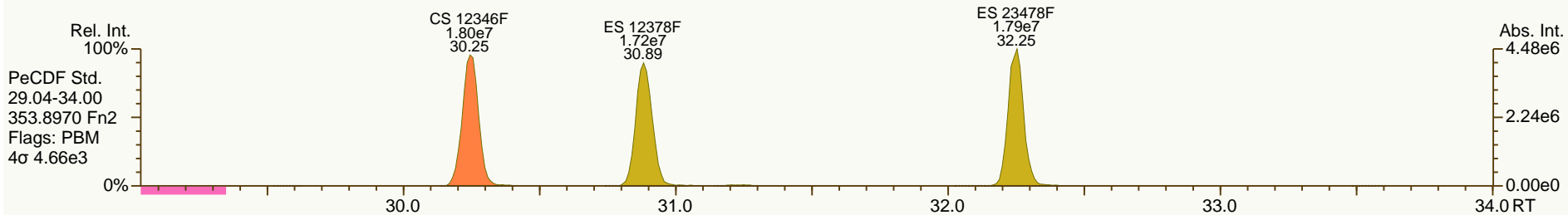
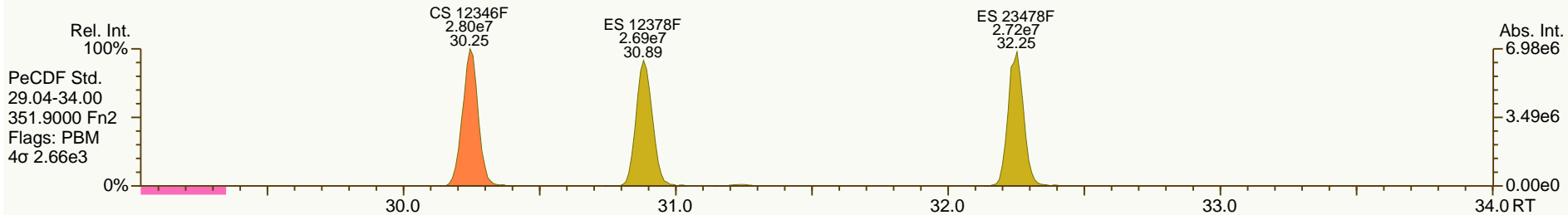
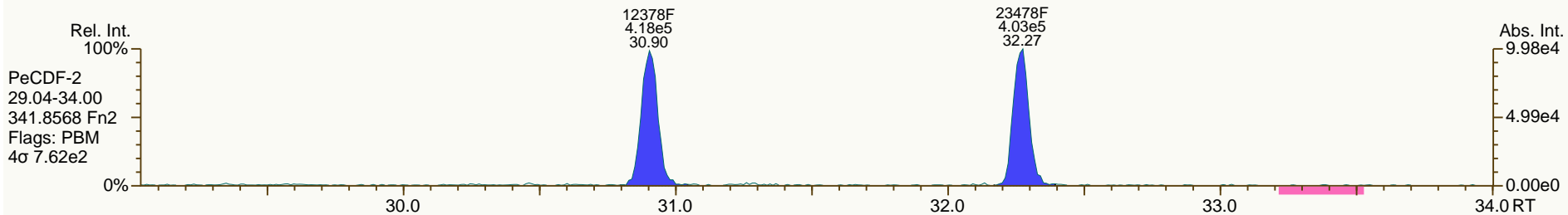
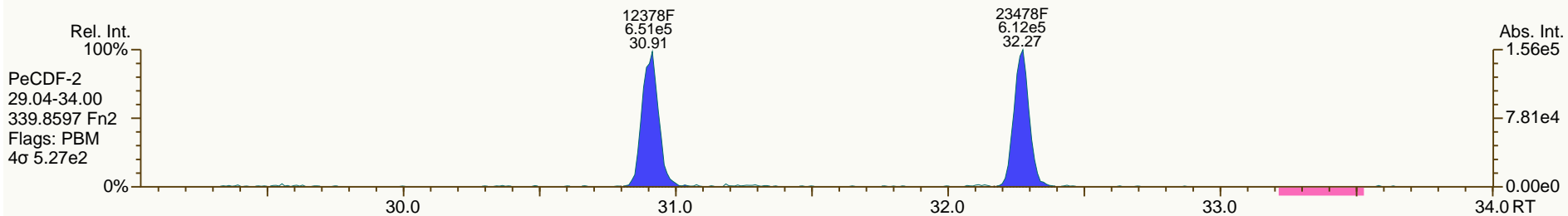
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

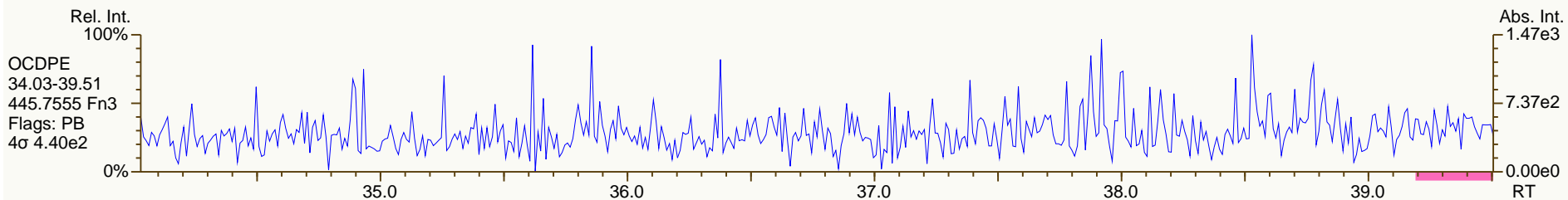
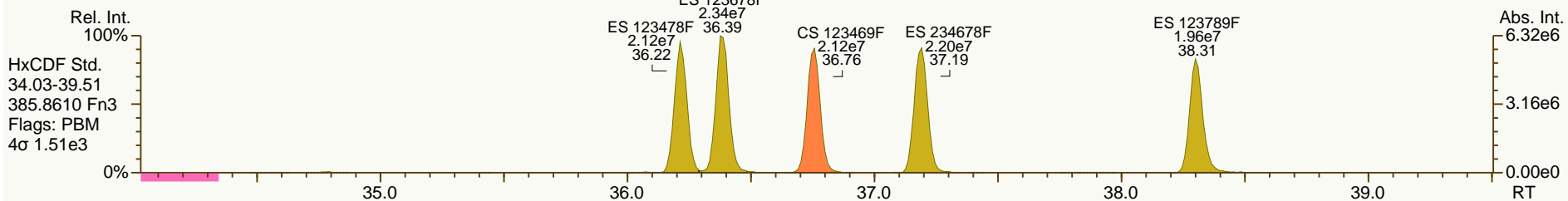
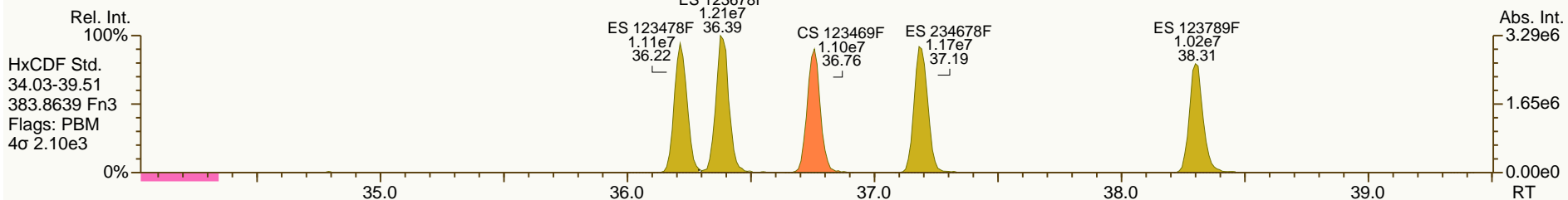
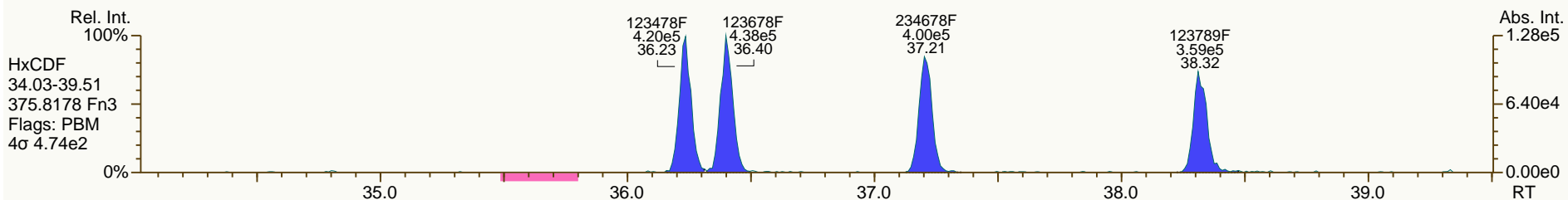
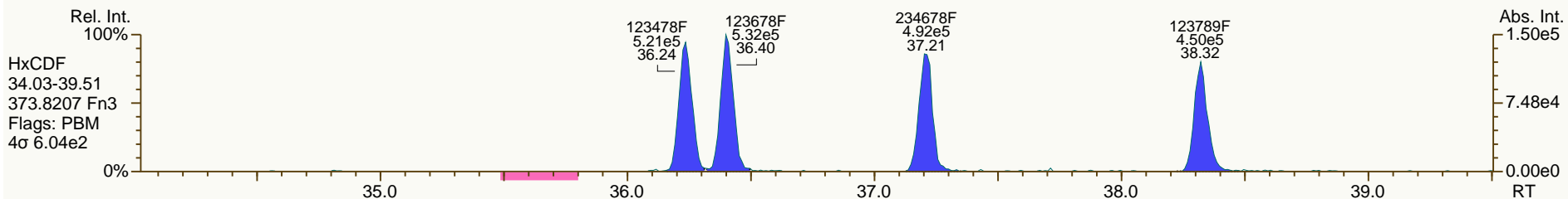
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

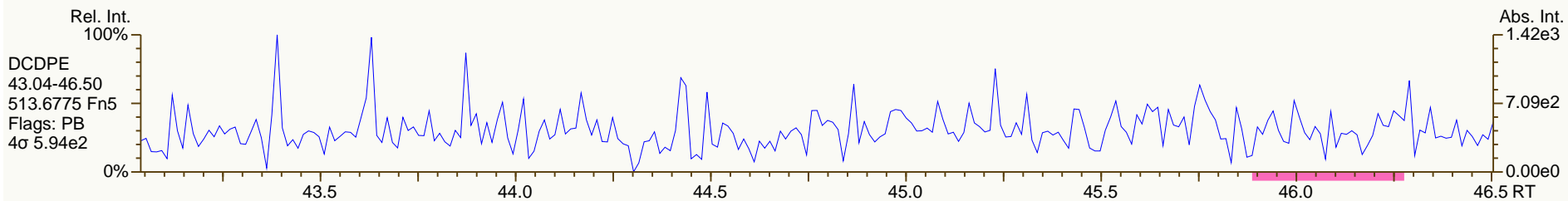
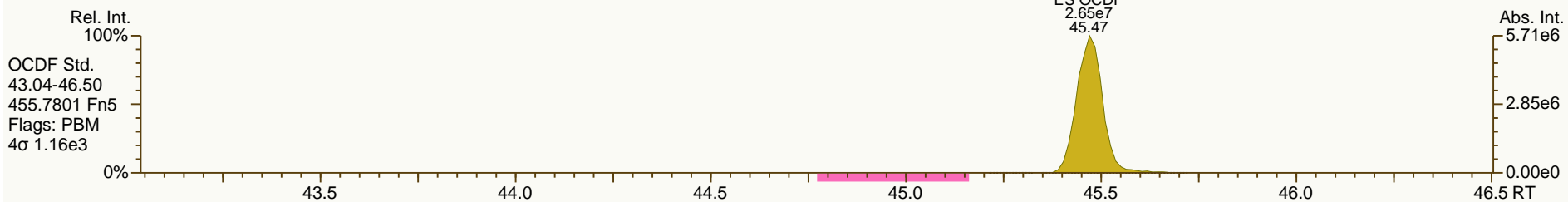
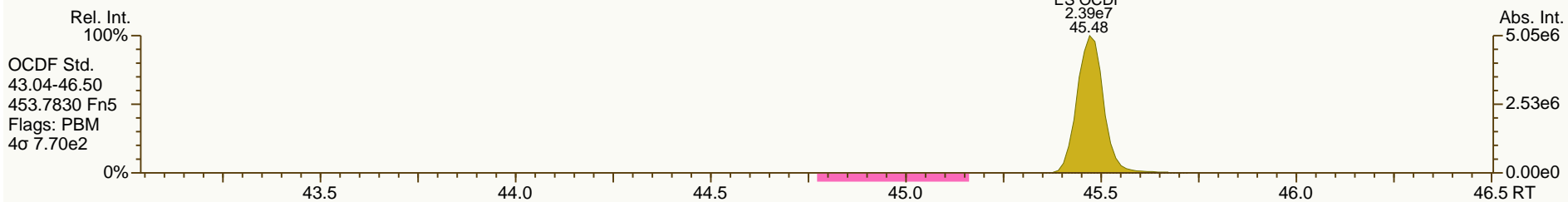
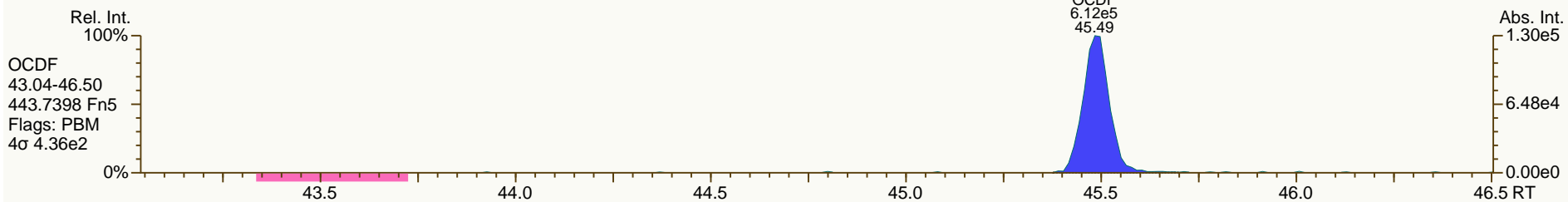
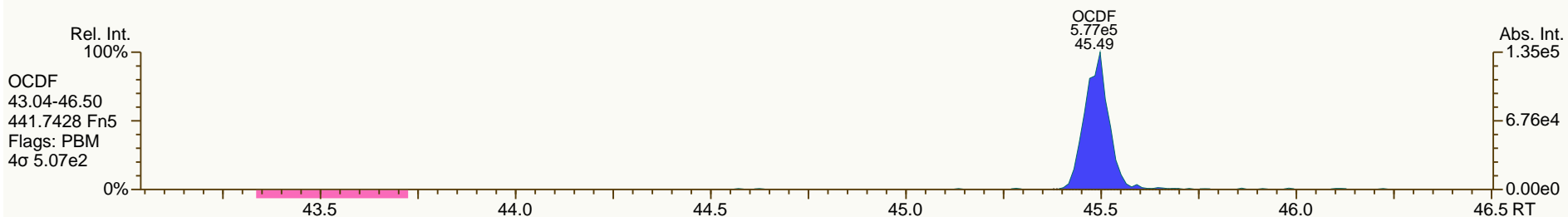
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
 User: MDC Datafile: 130213P2-03



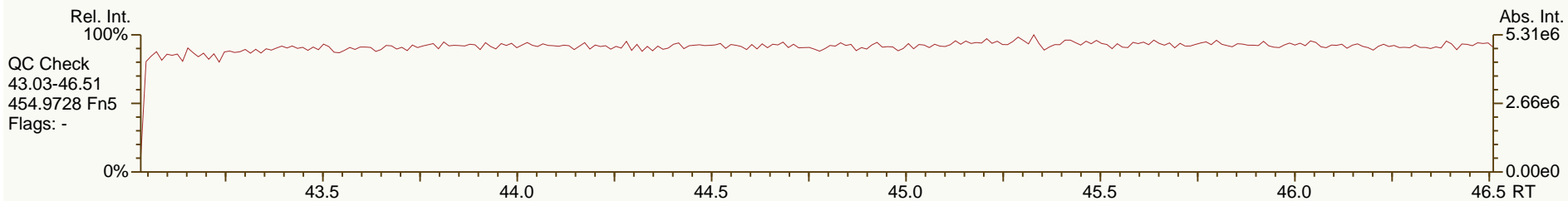
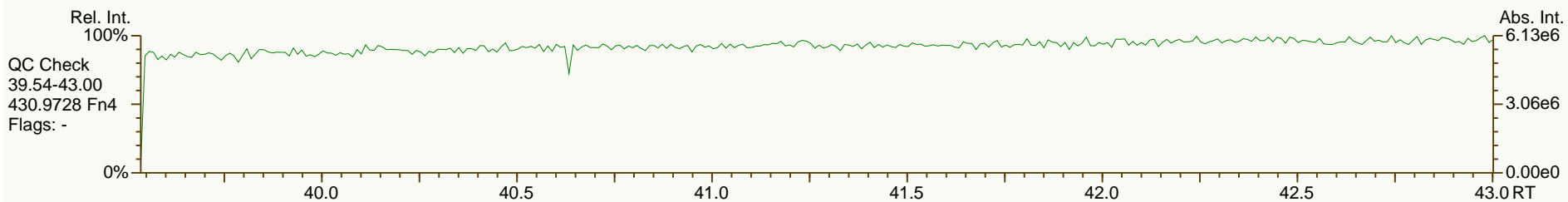
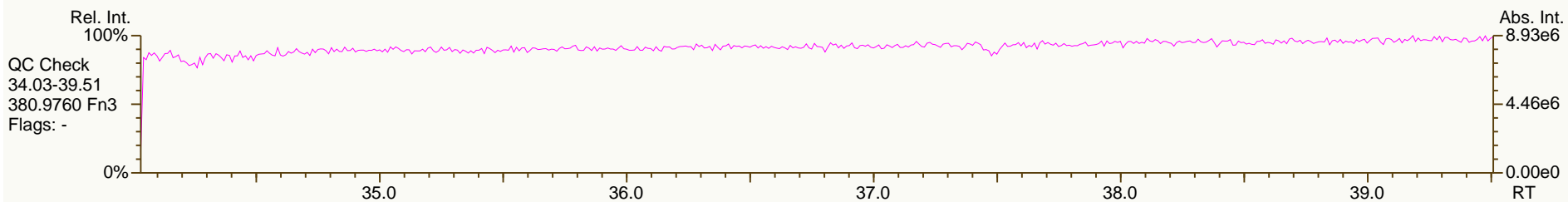
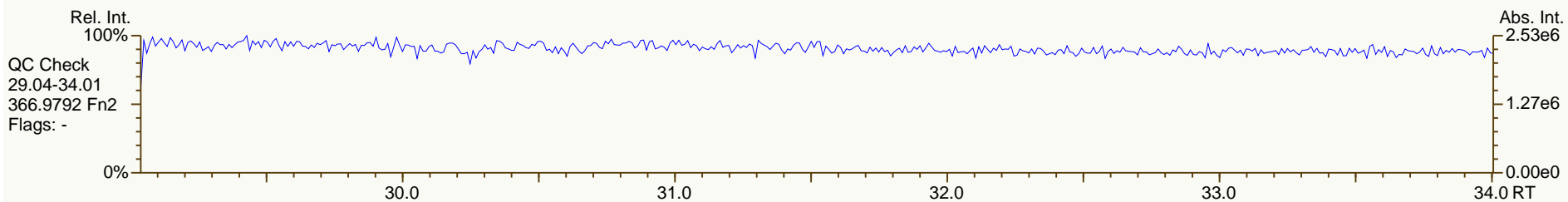
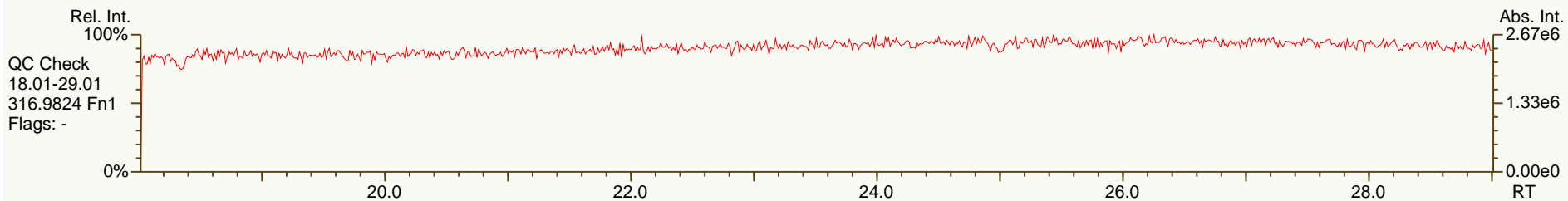
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

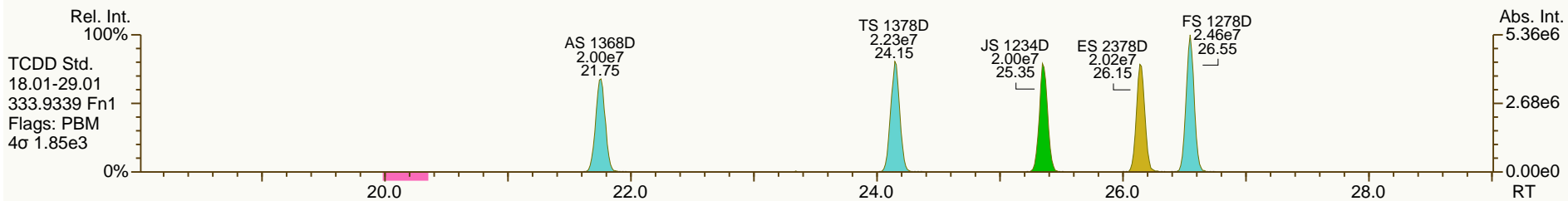
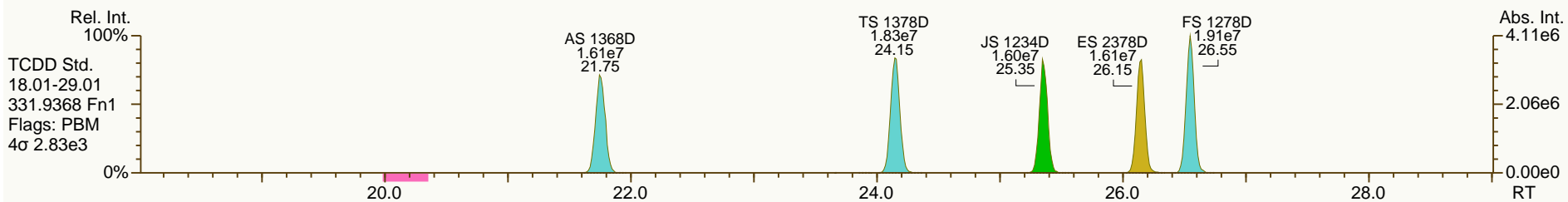
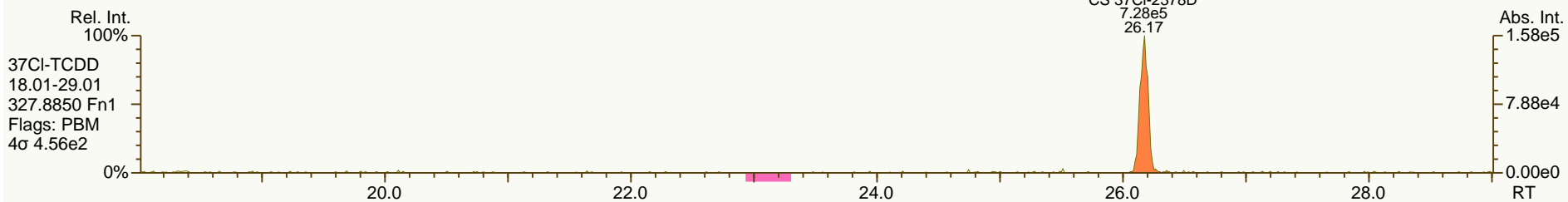
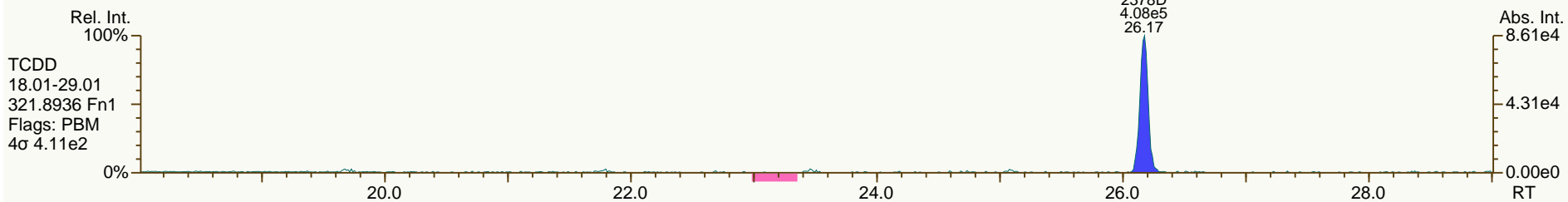
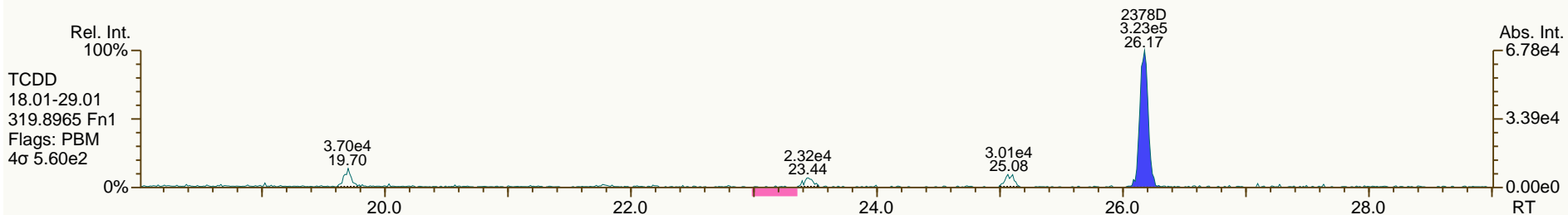
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

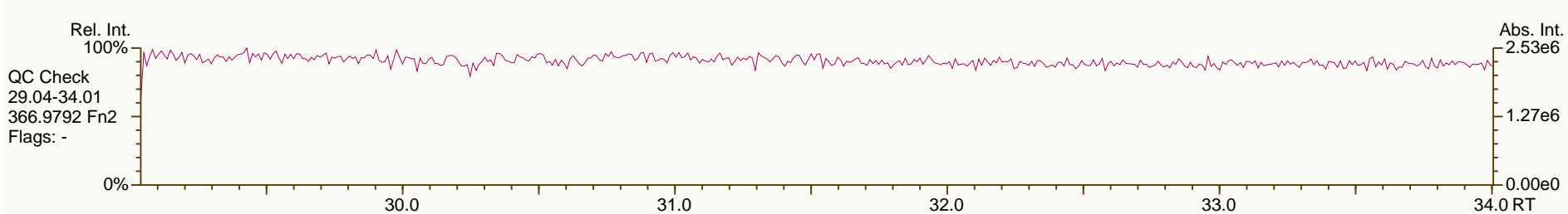
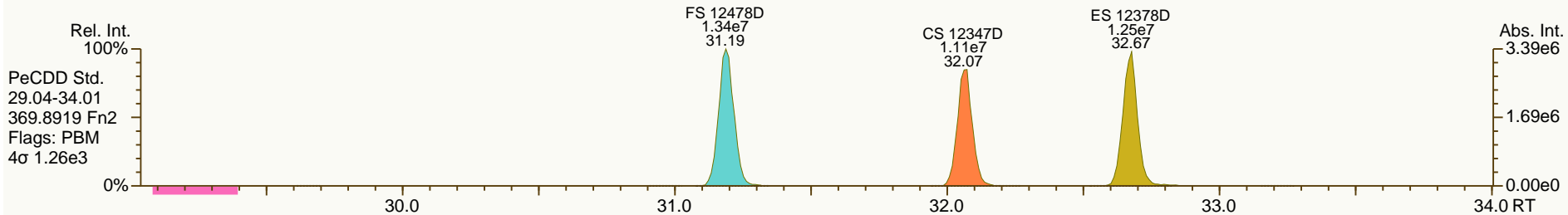
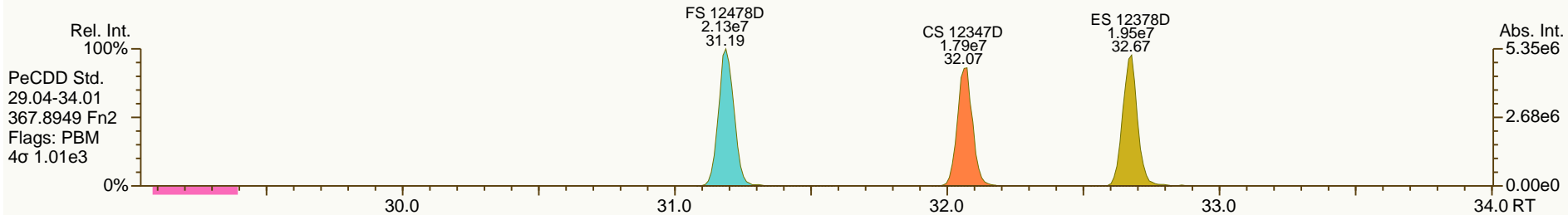
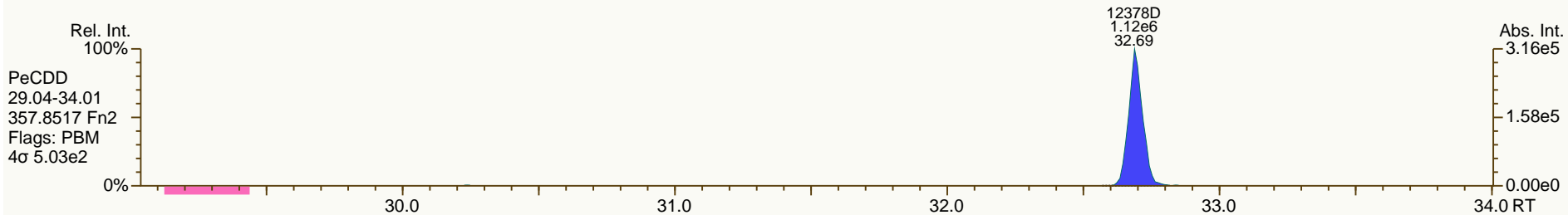
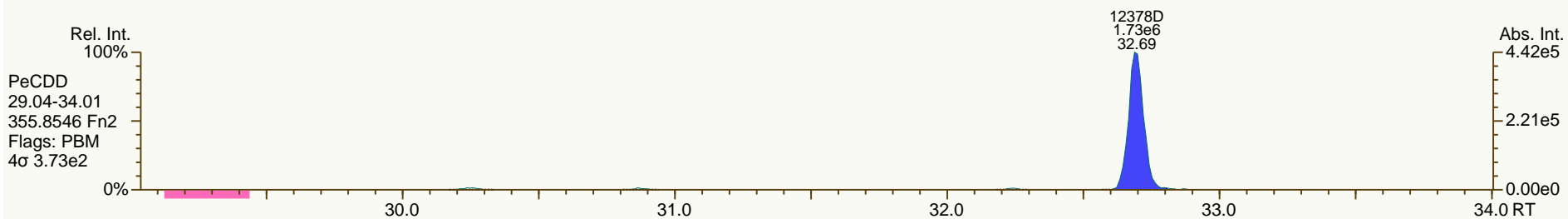
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

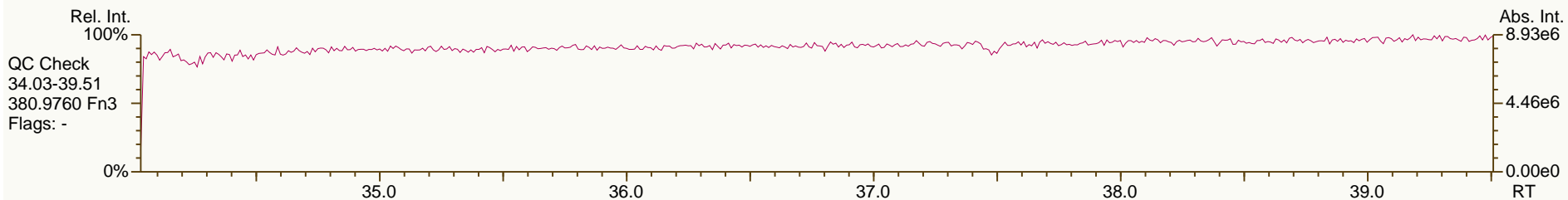
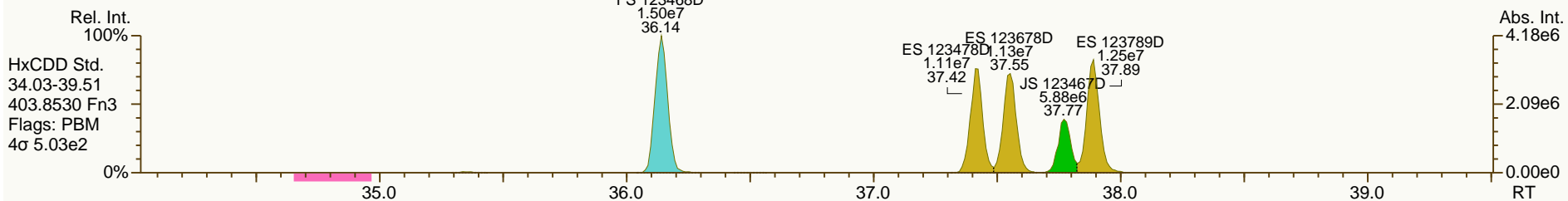
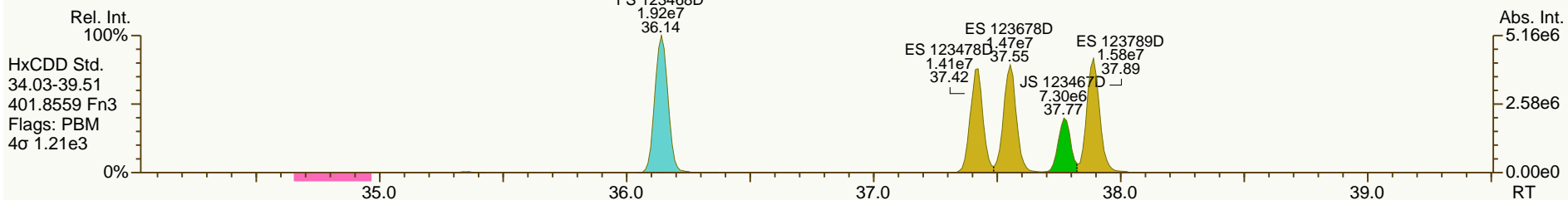
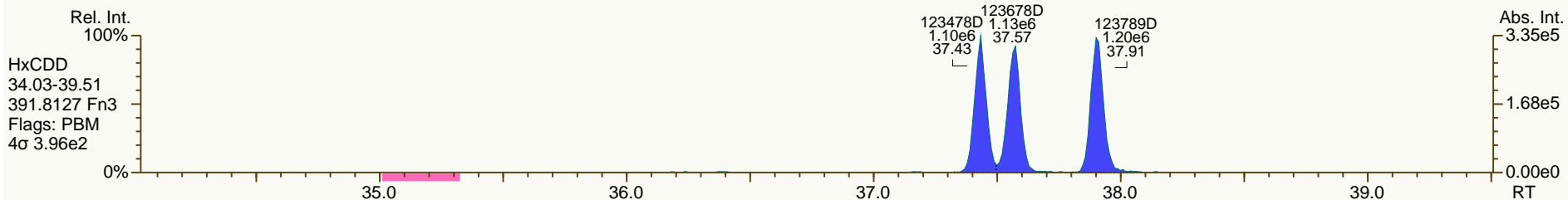
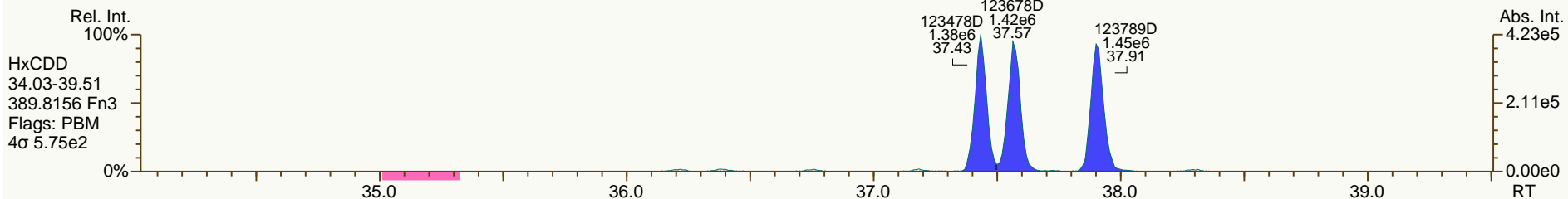
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

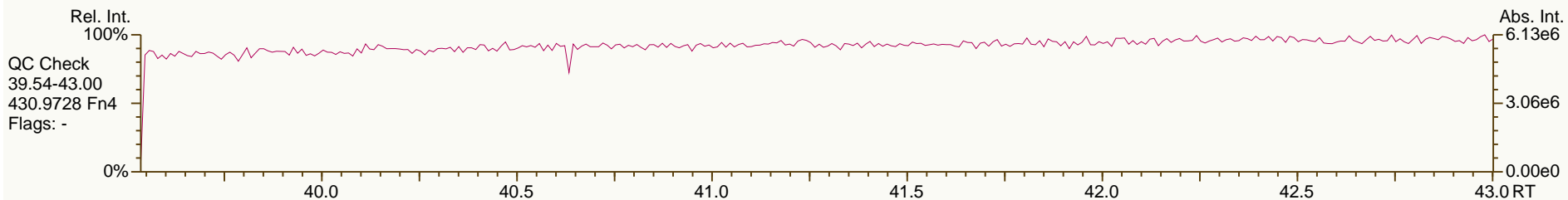
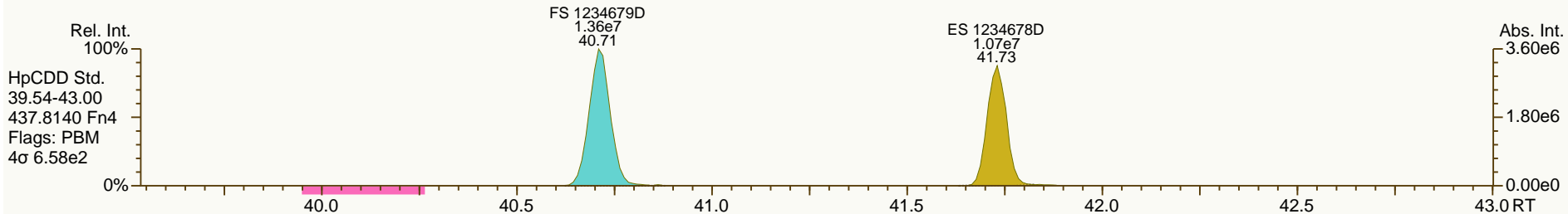
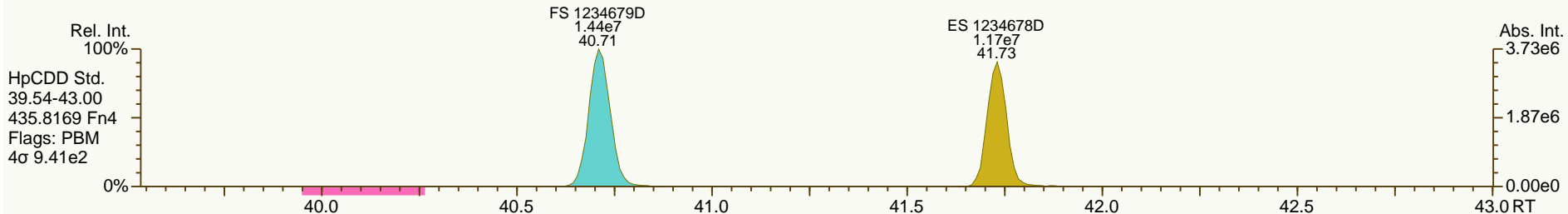
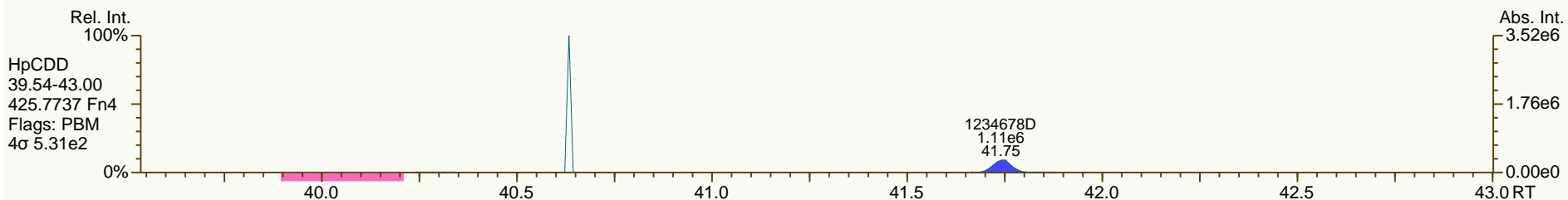
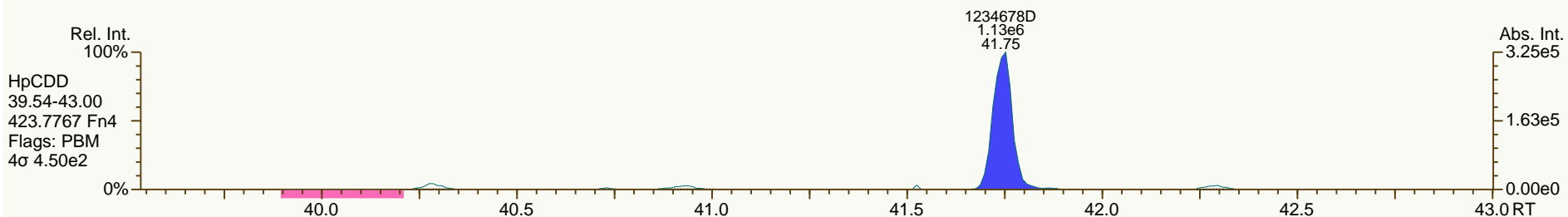
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

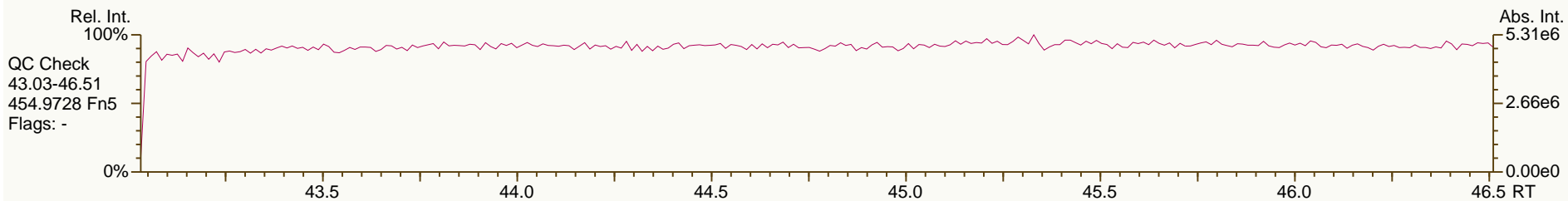
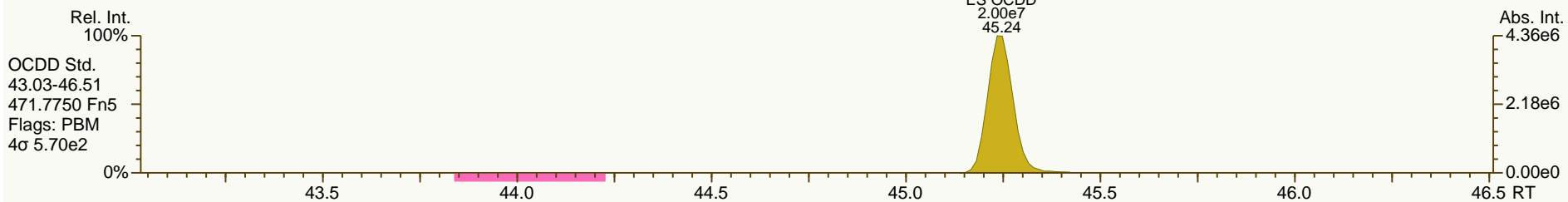
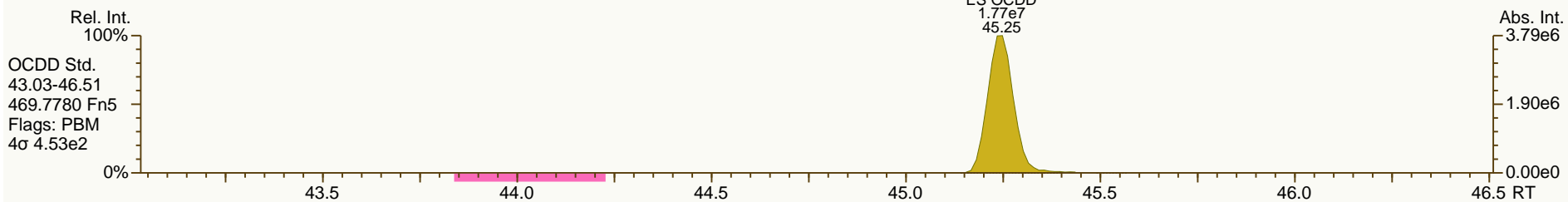
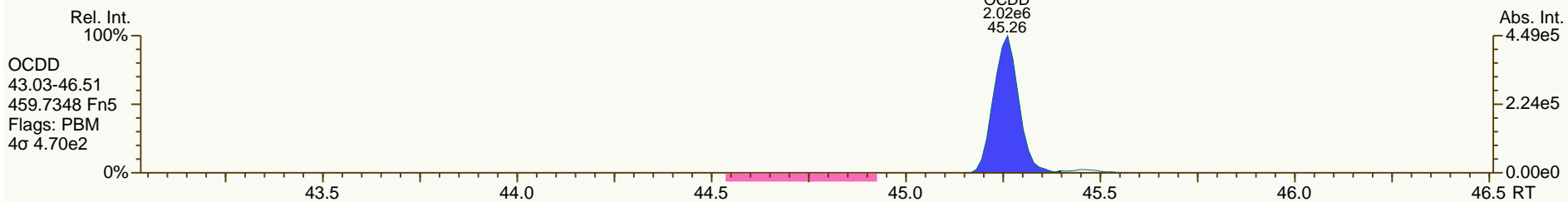
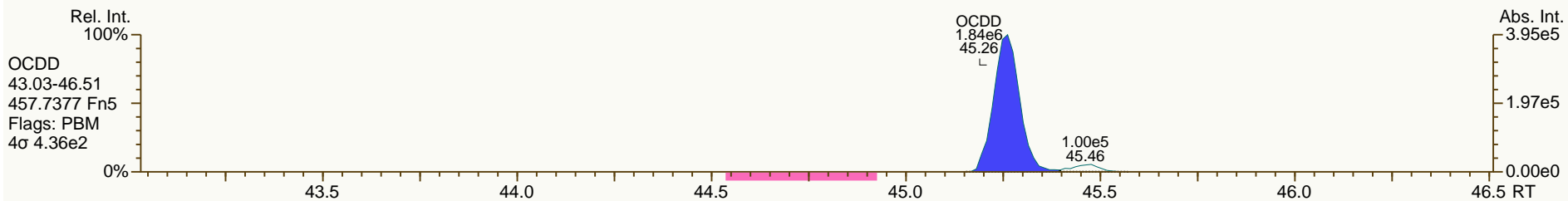
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

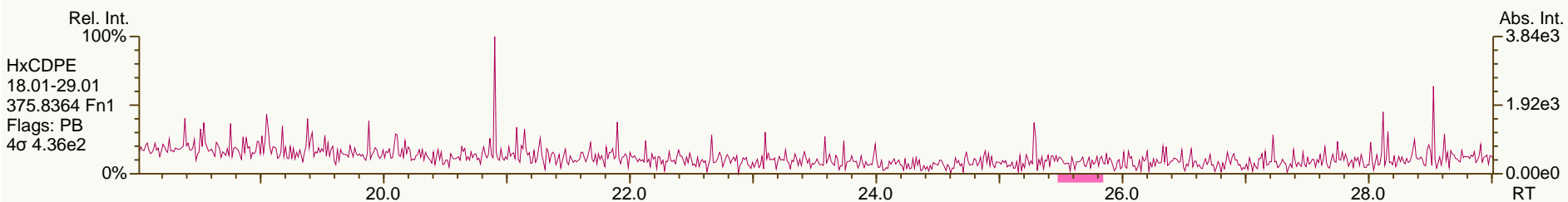
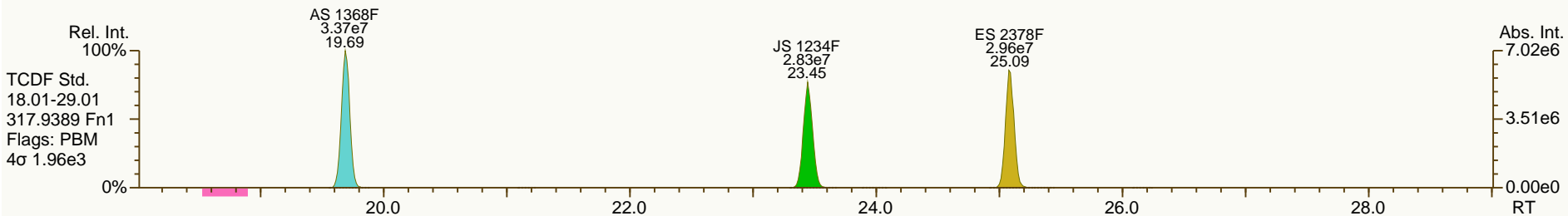
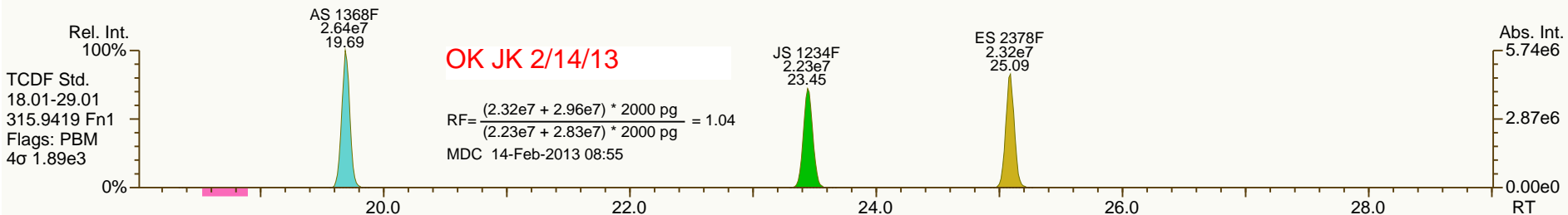
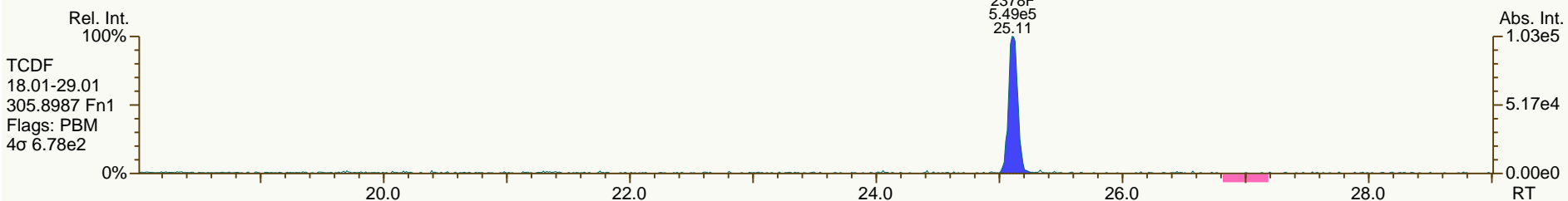
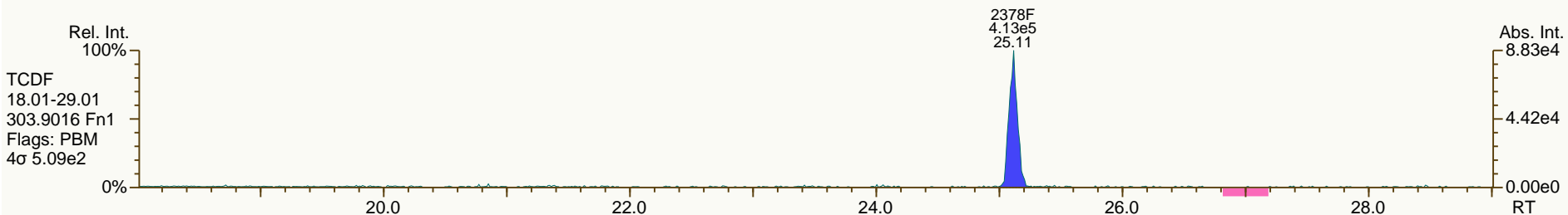
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

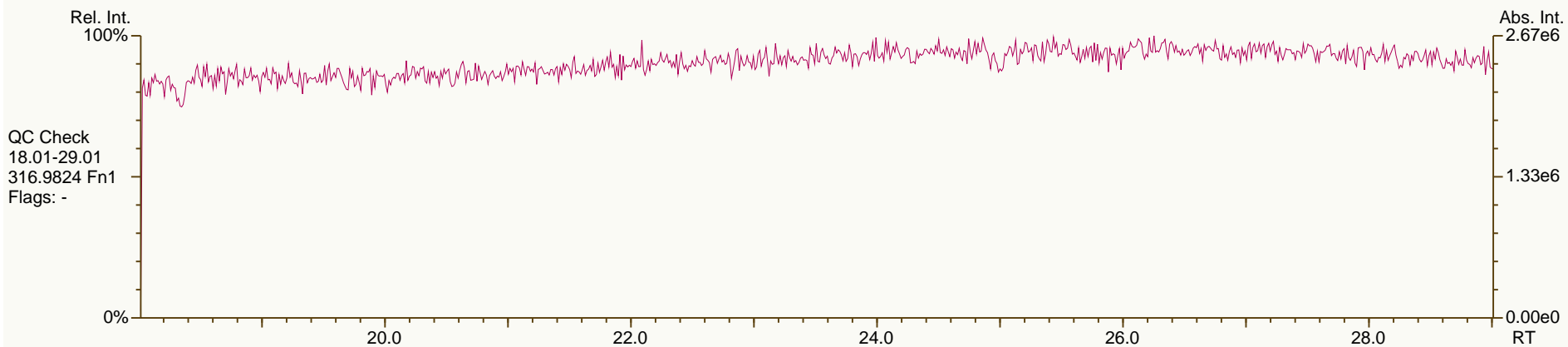
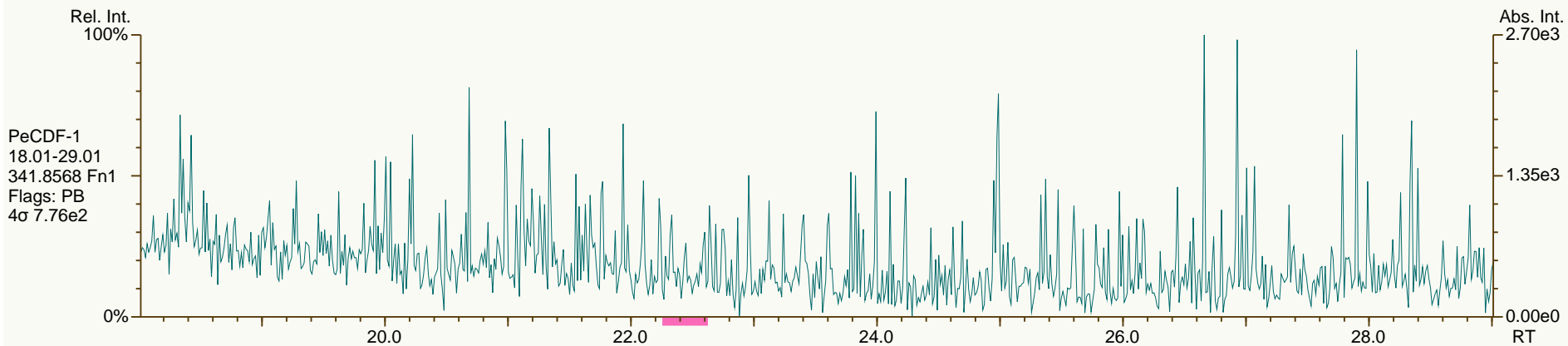
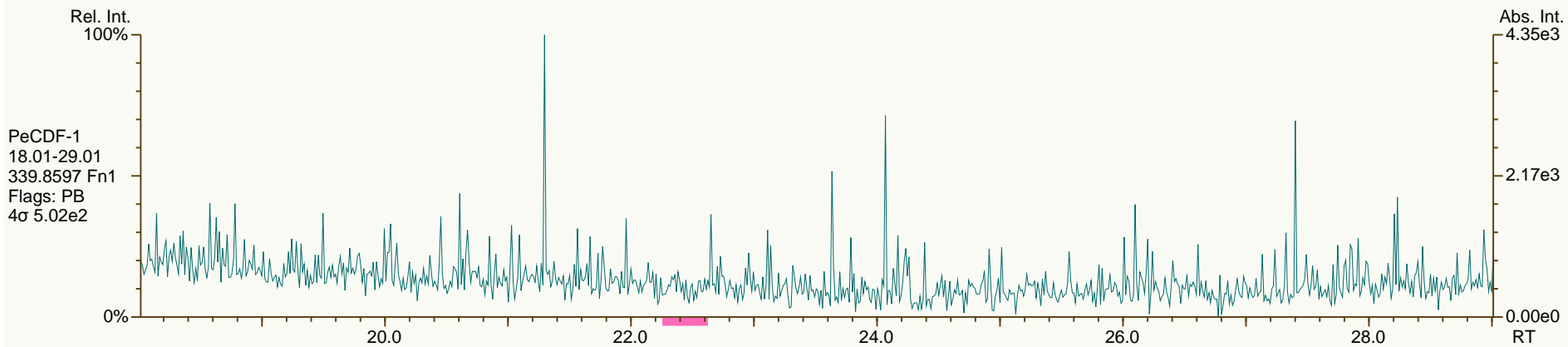
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

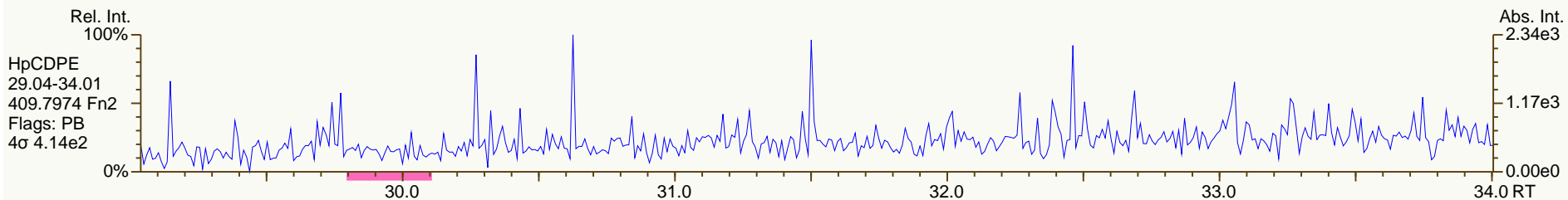
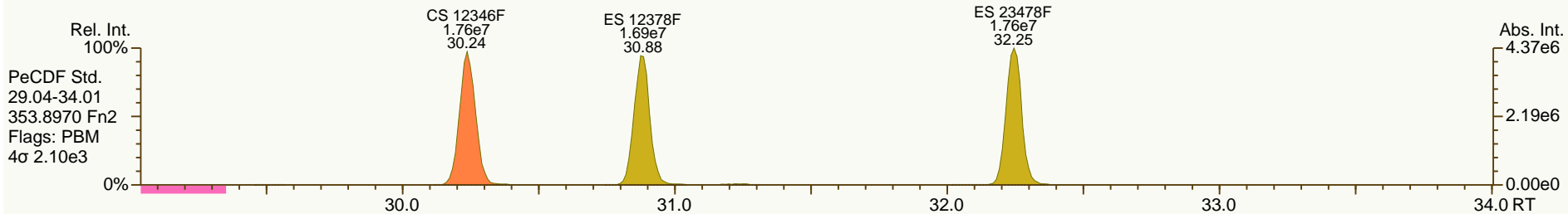
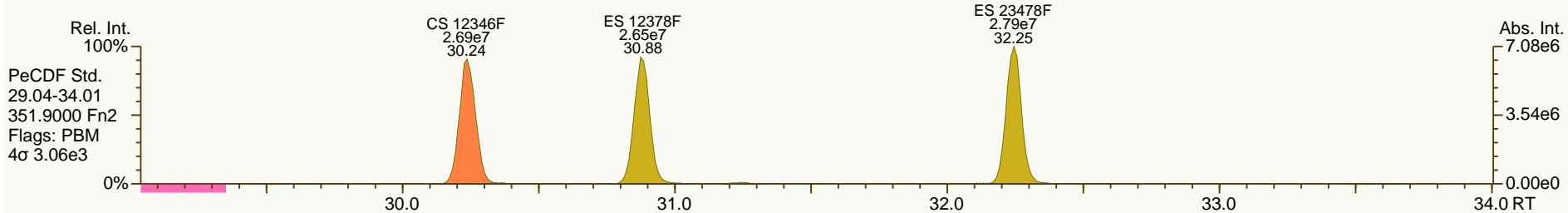
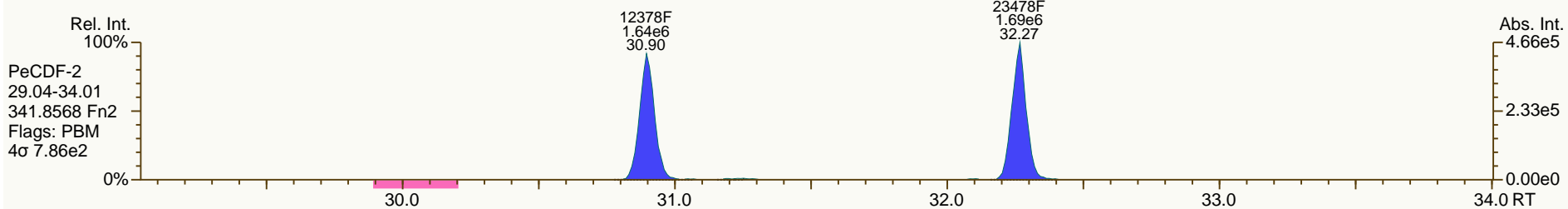
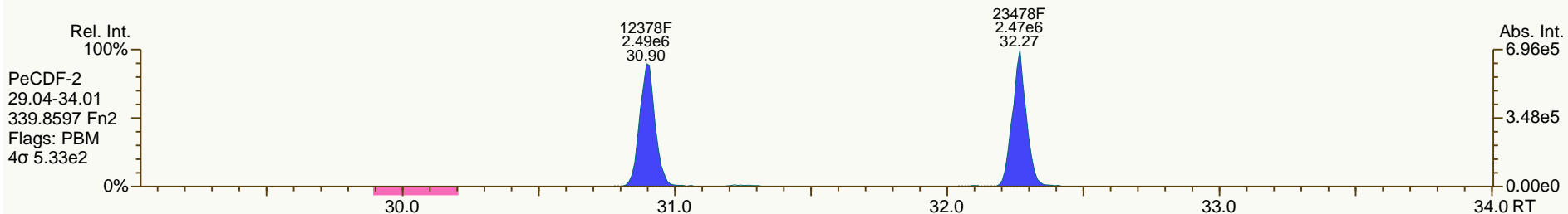
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

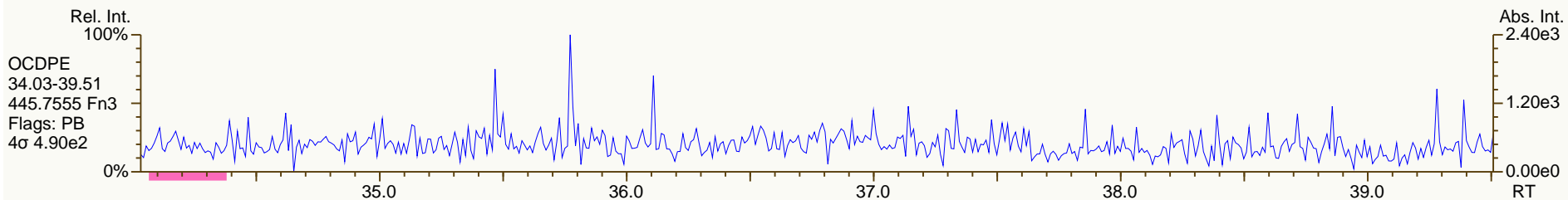
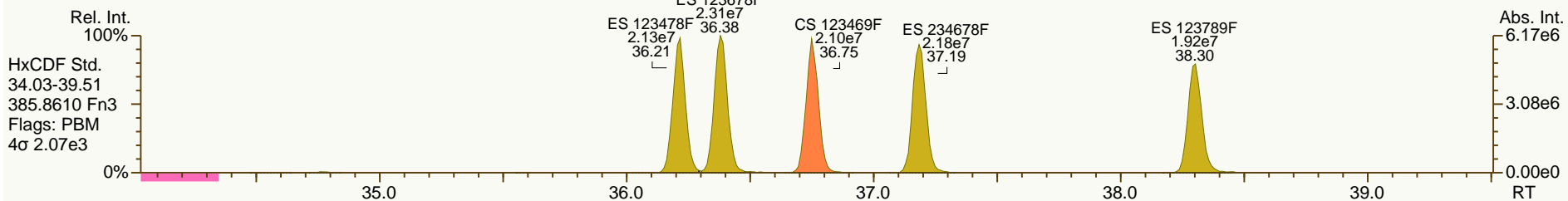
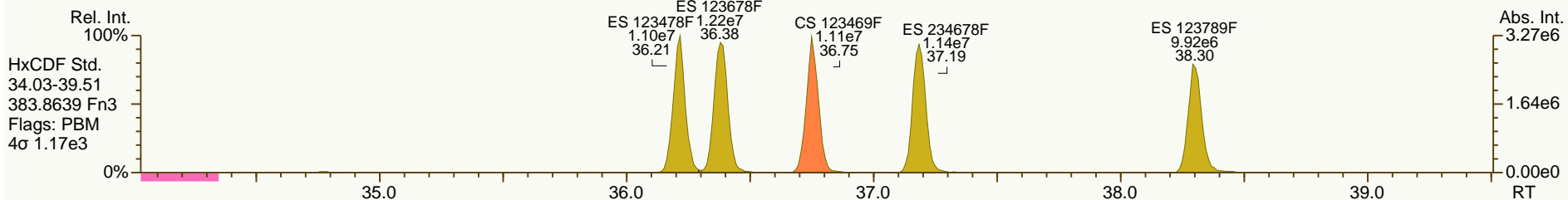
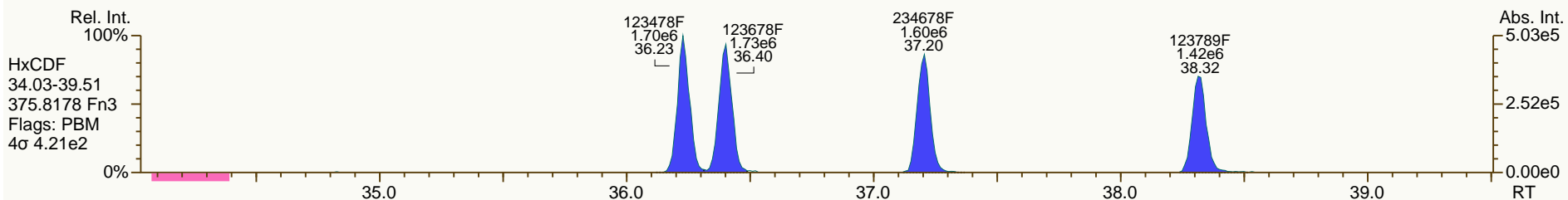
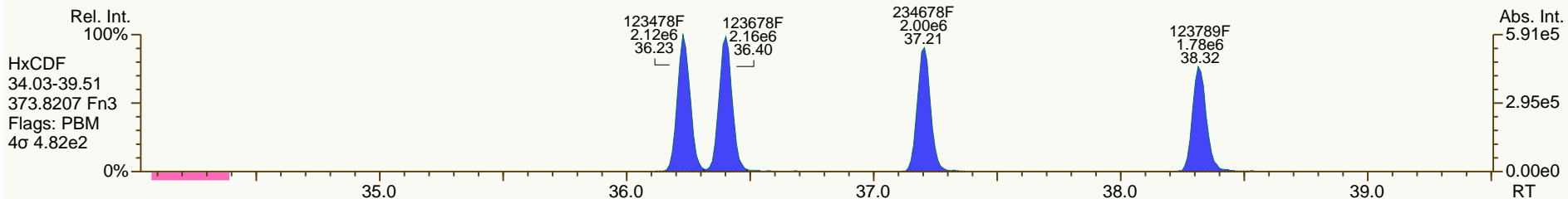
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

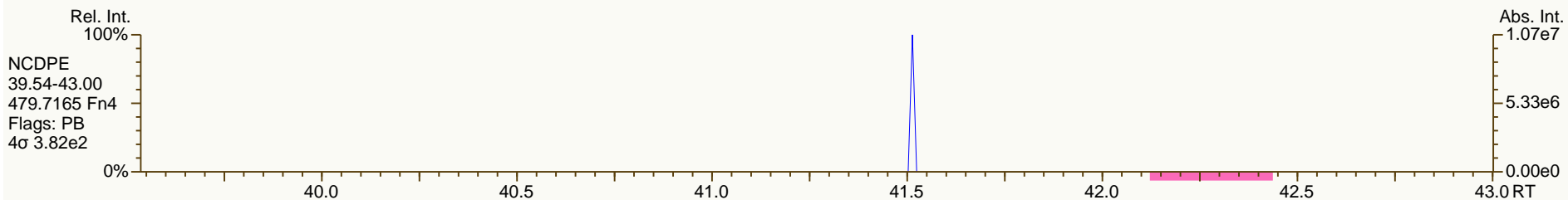
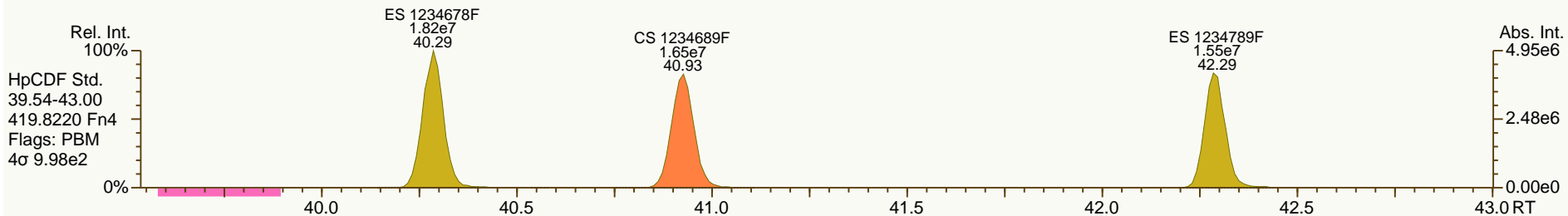
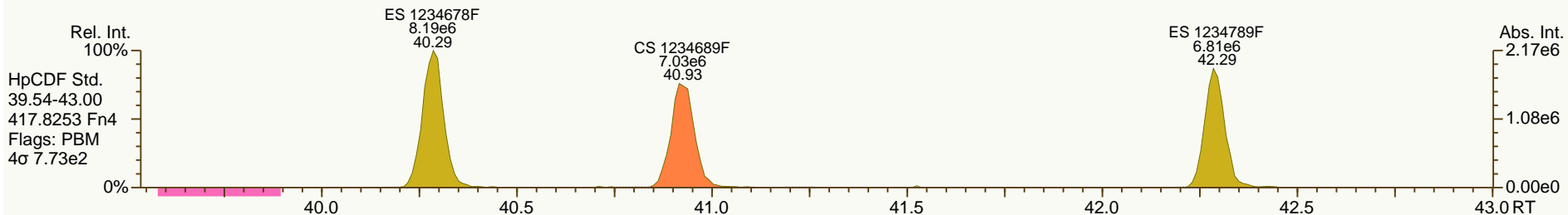
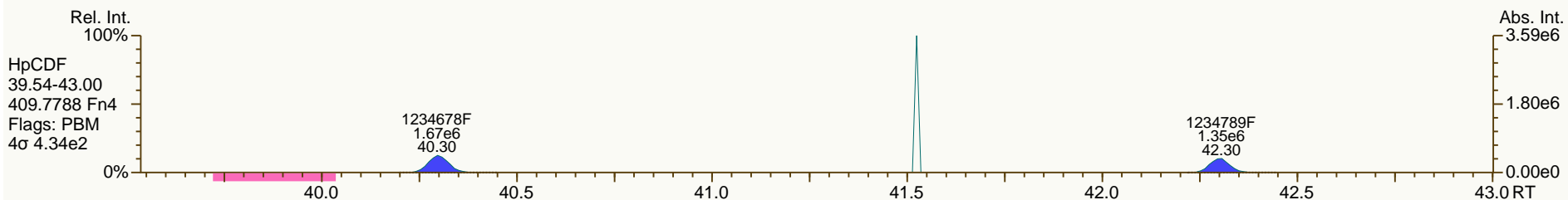
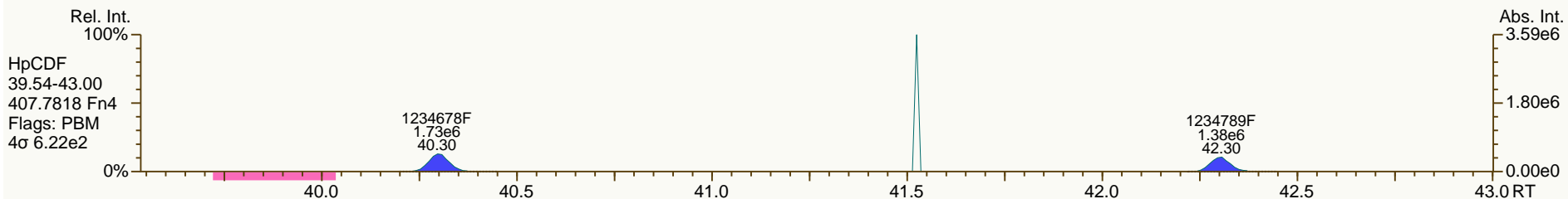
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SGS-AP ID: CS2
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

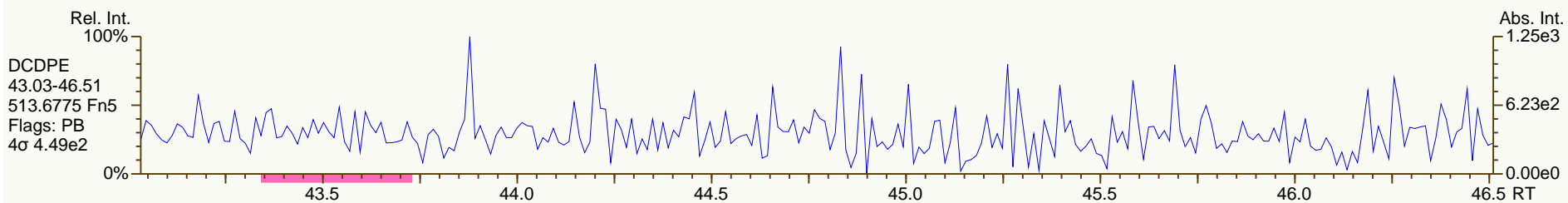
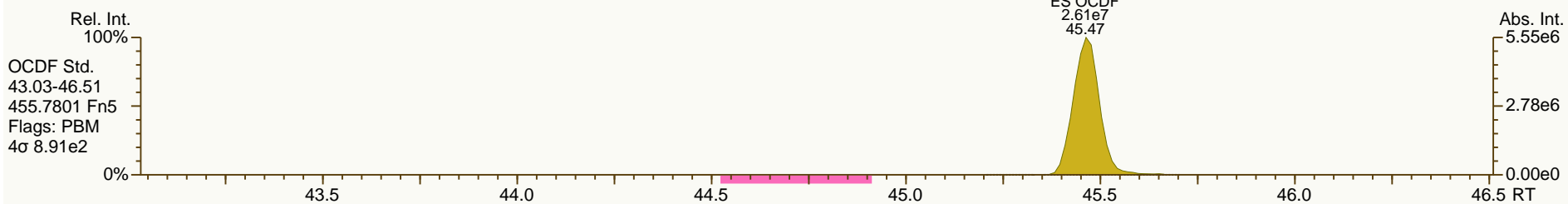
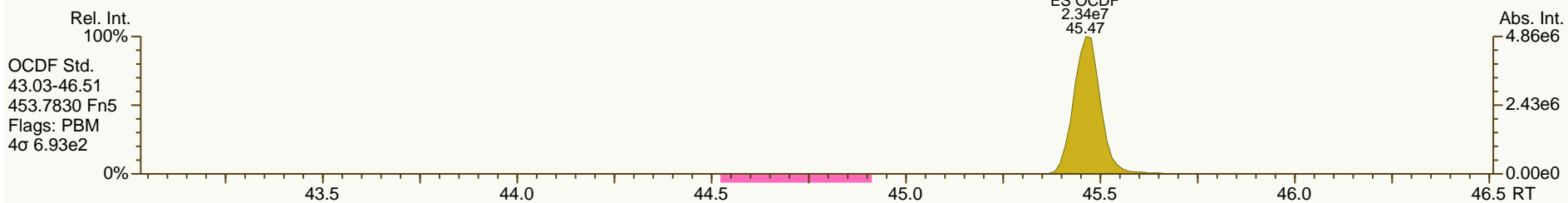
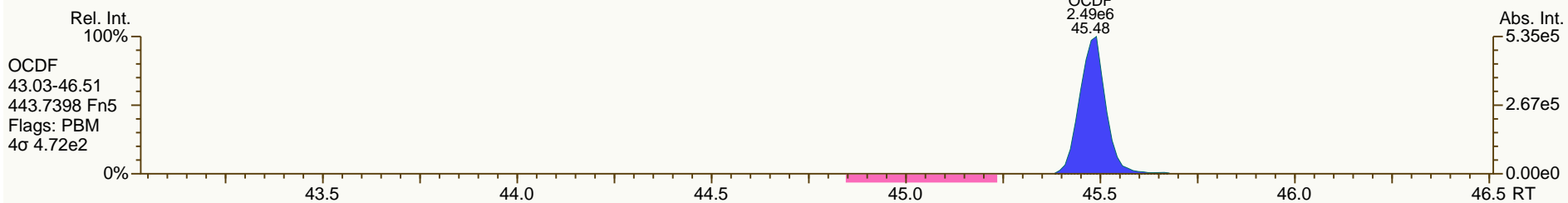
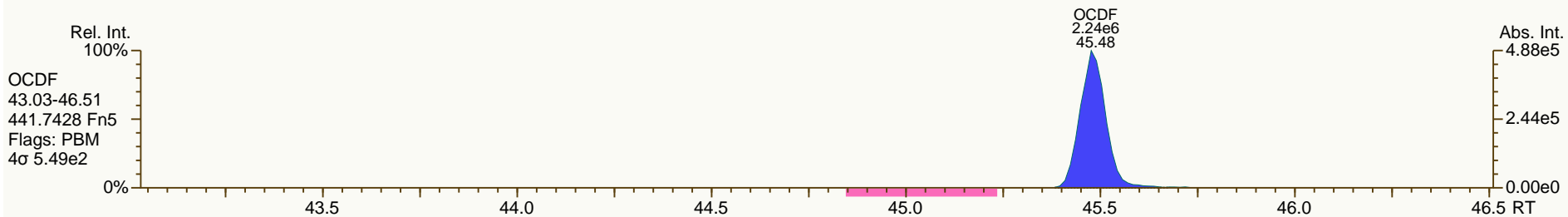
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 User: MDC Datafile: 130213P2-04



SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
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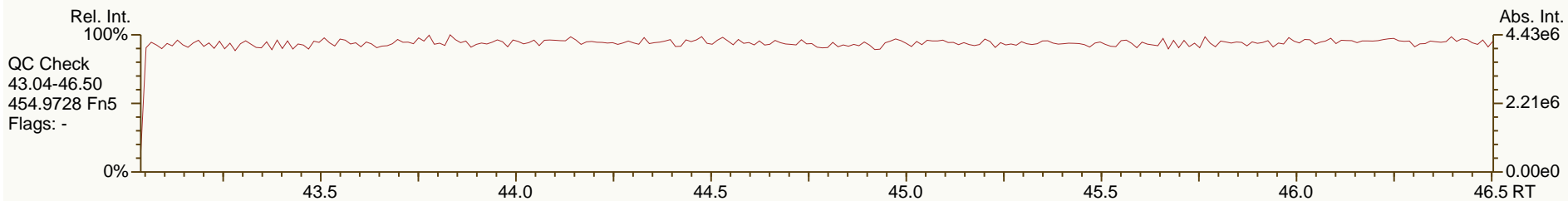
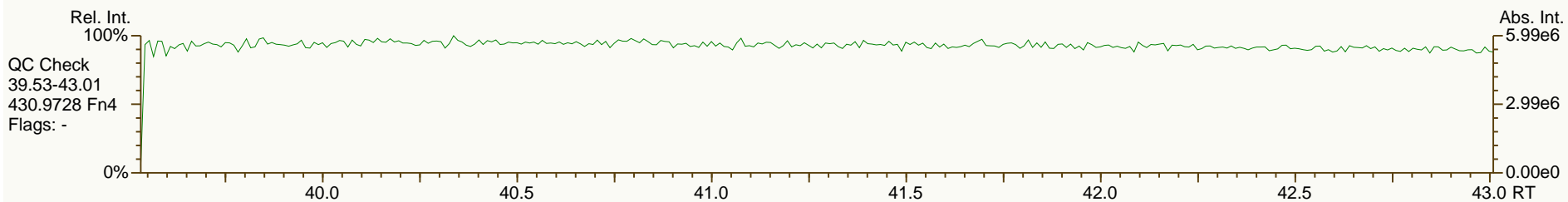
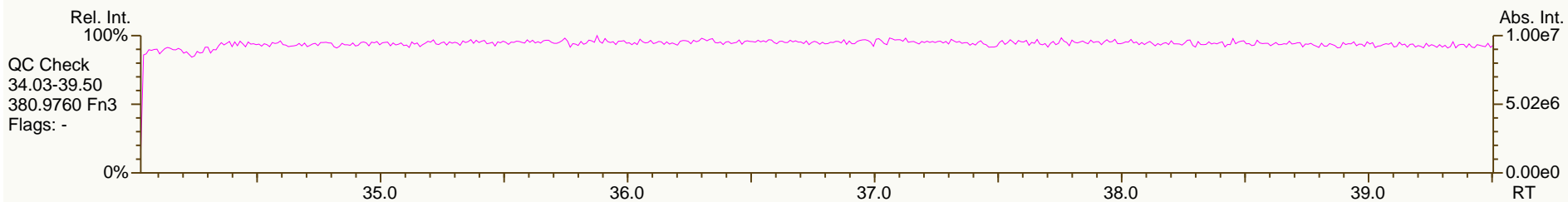
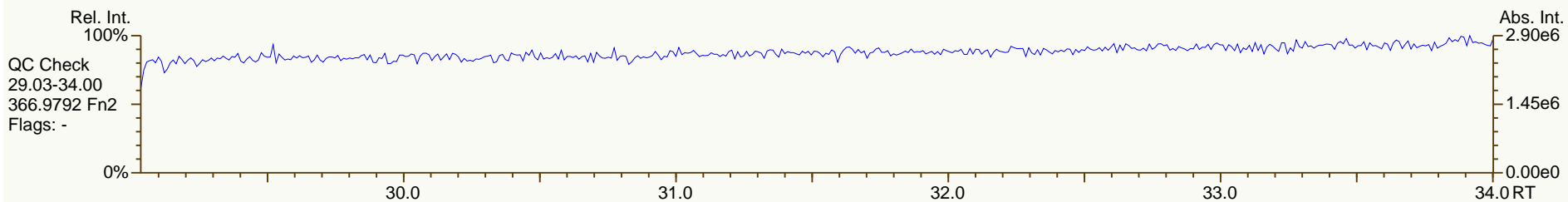
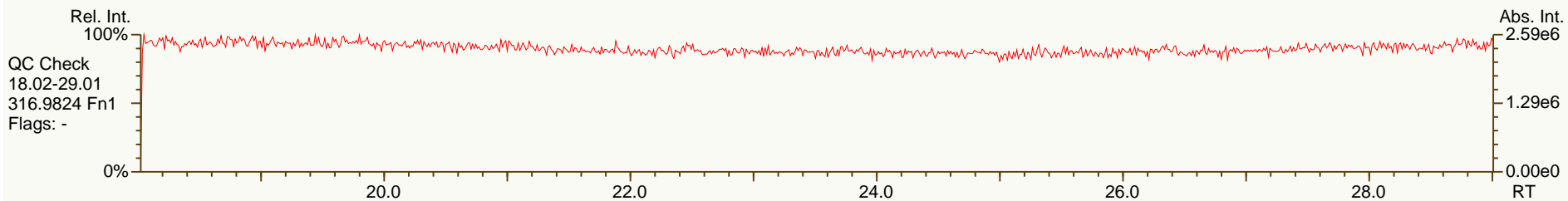
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

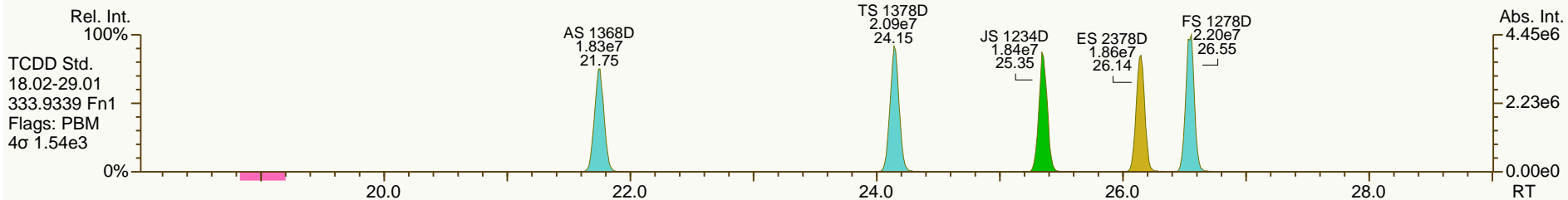
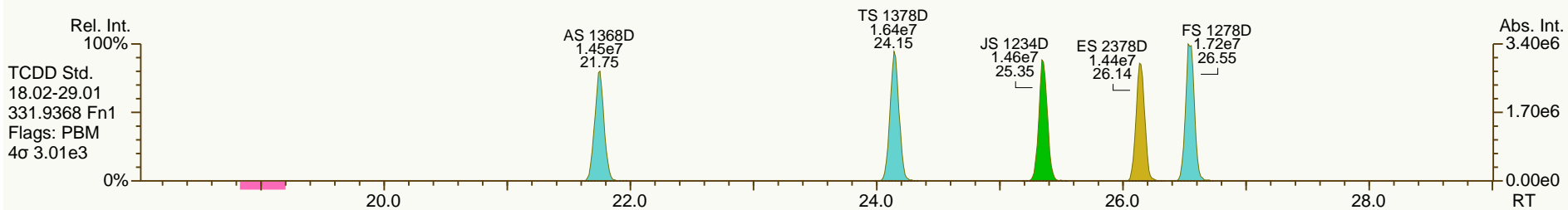
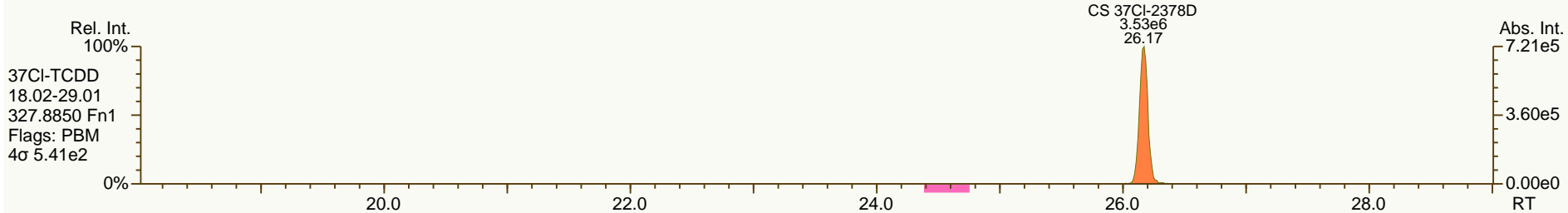
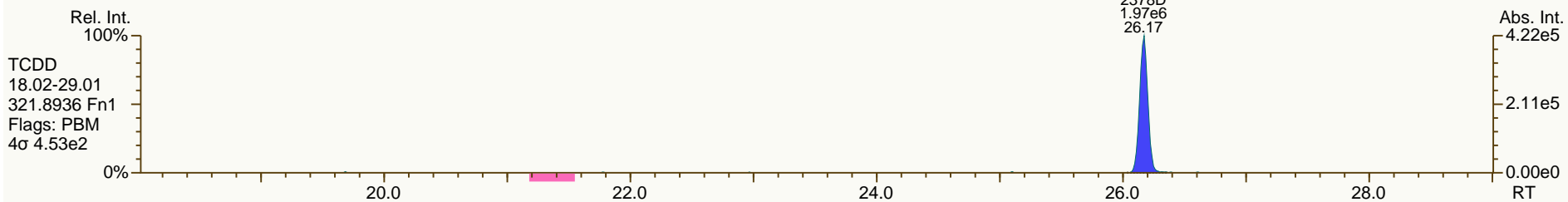
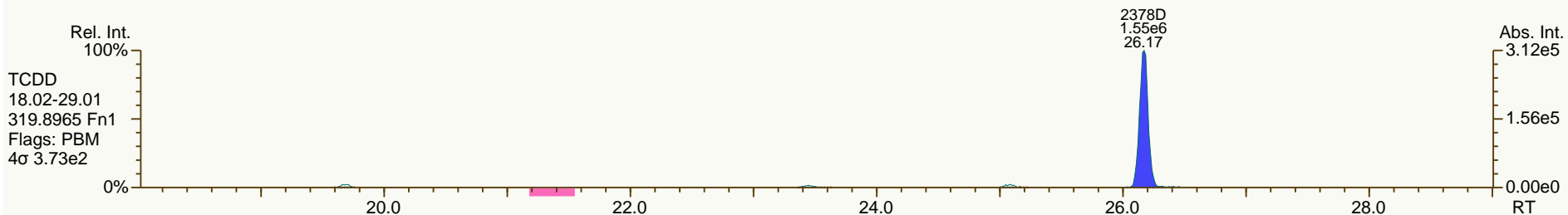
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

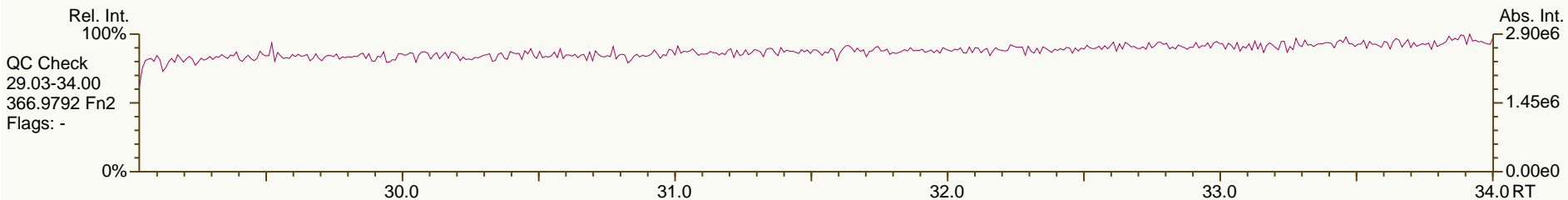
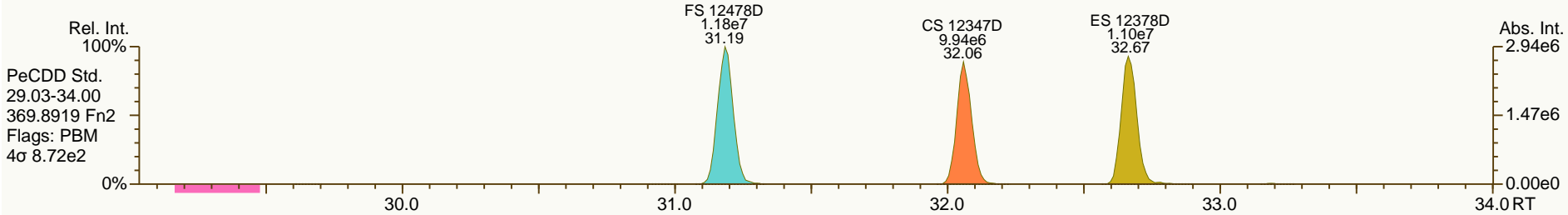
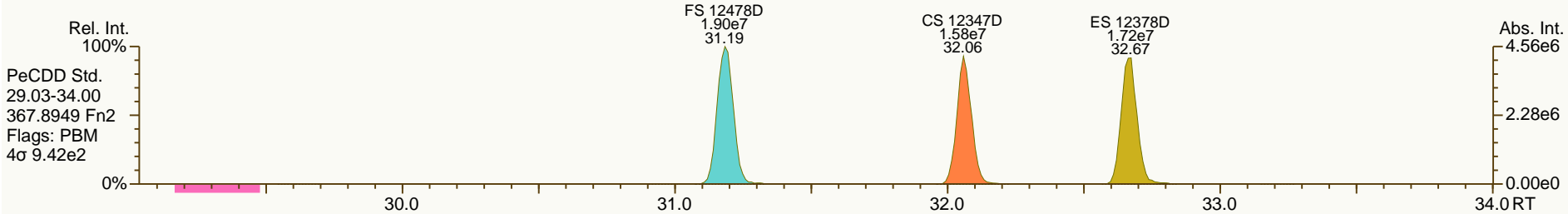
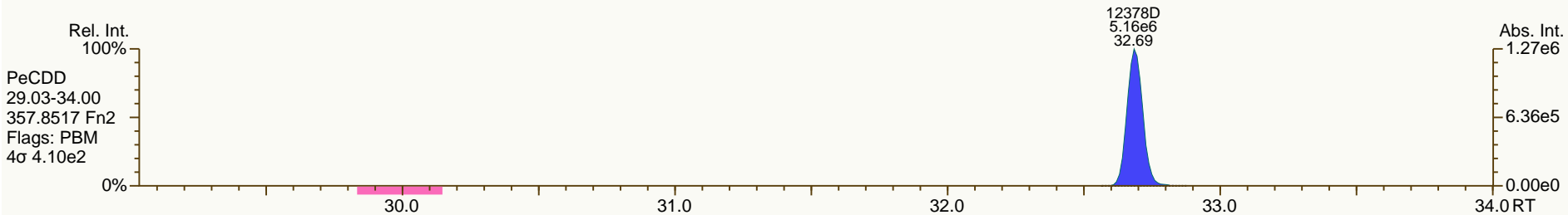
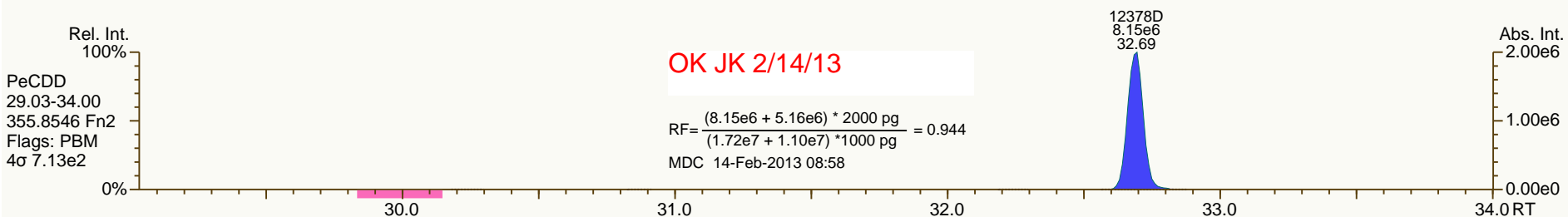
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

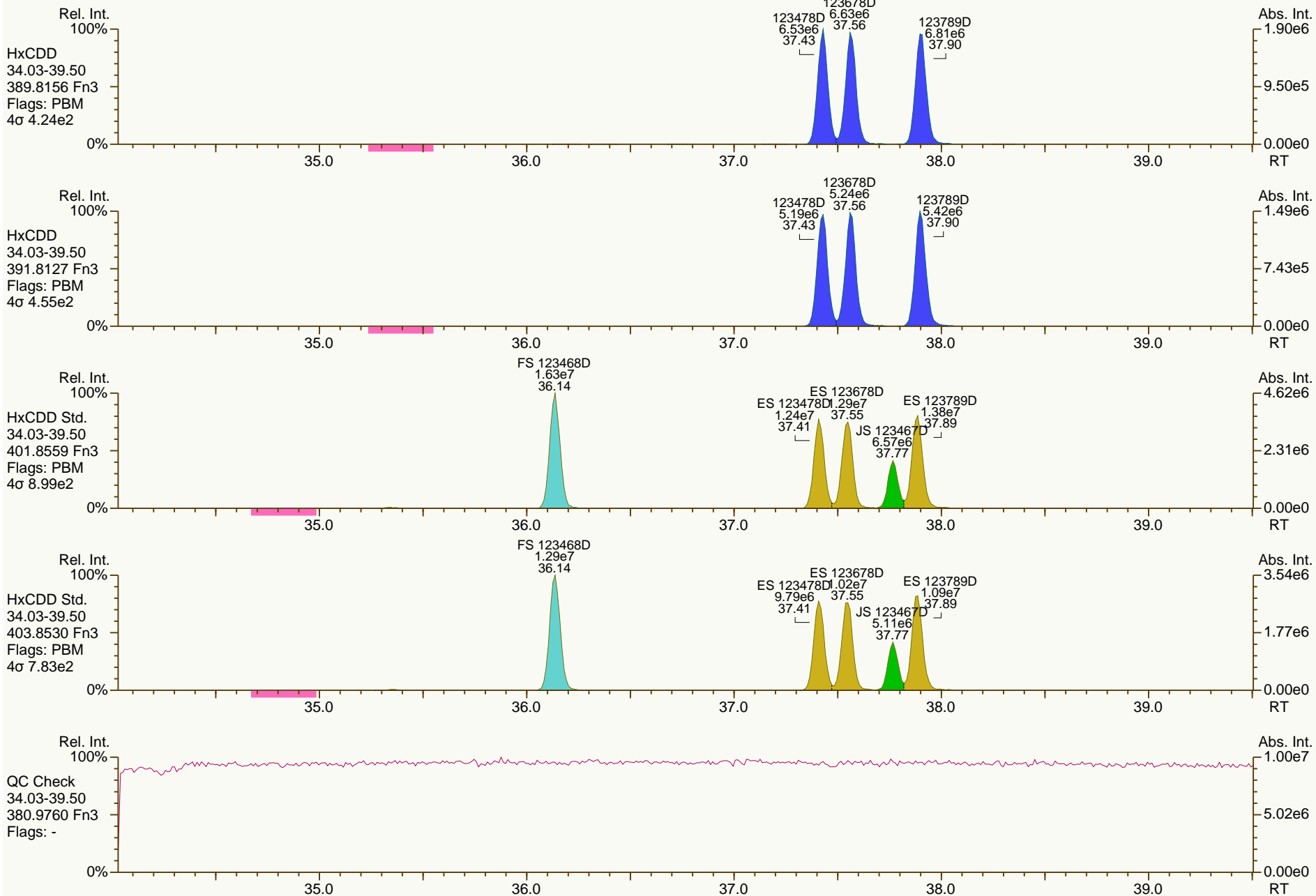
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

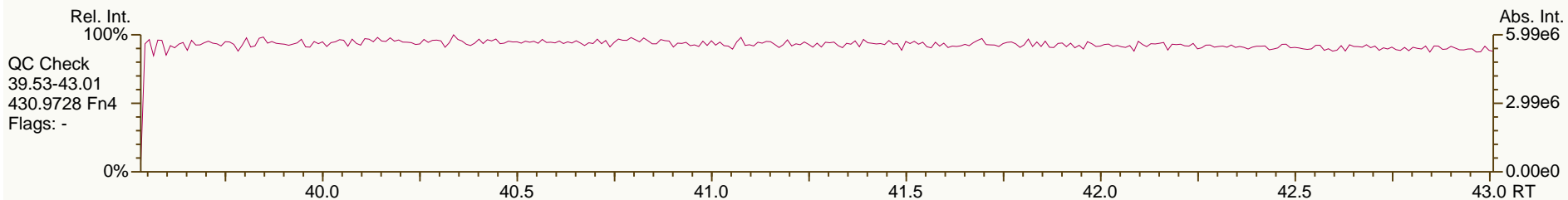
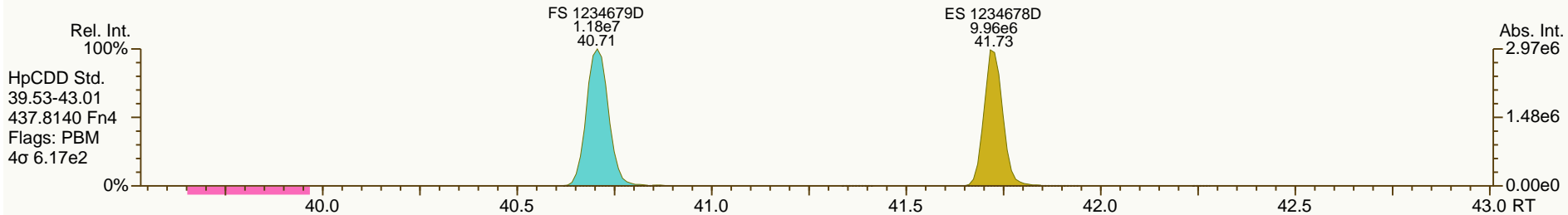
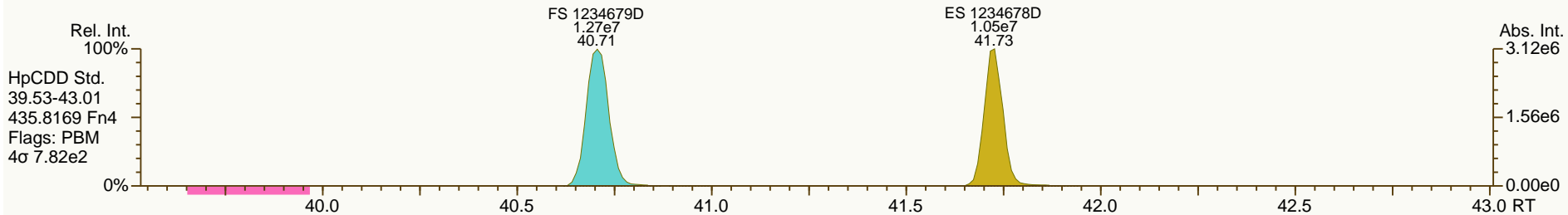
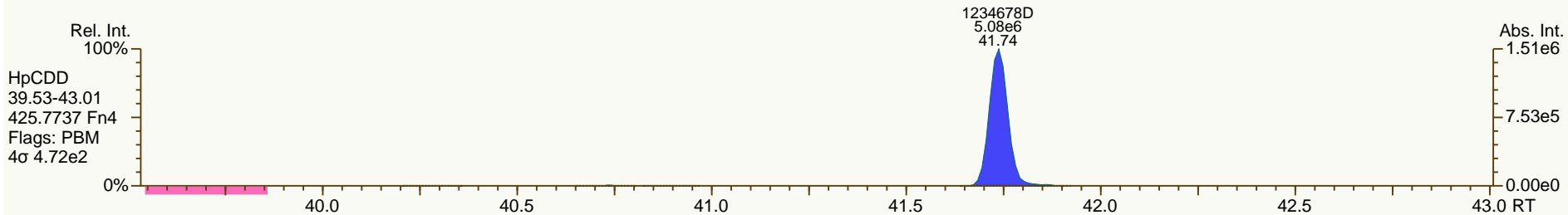
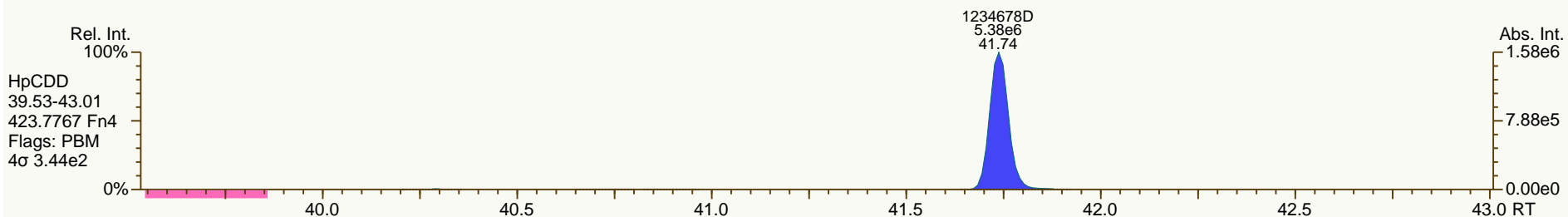
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

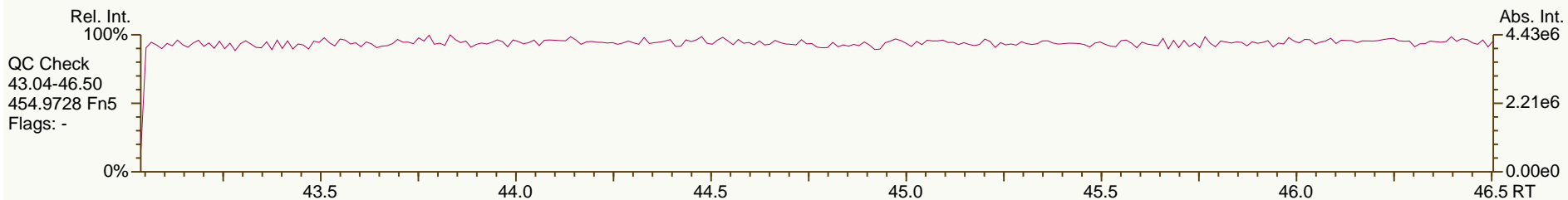
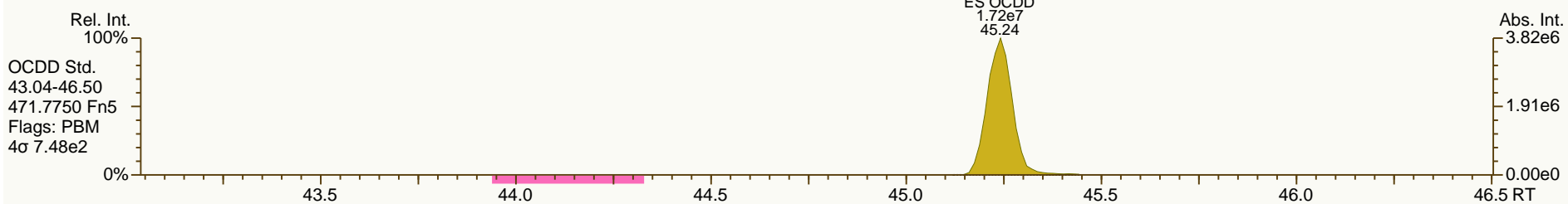
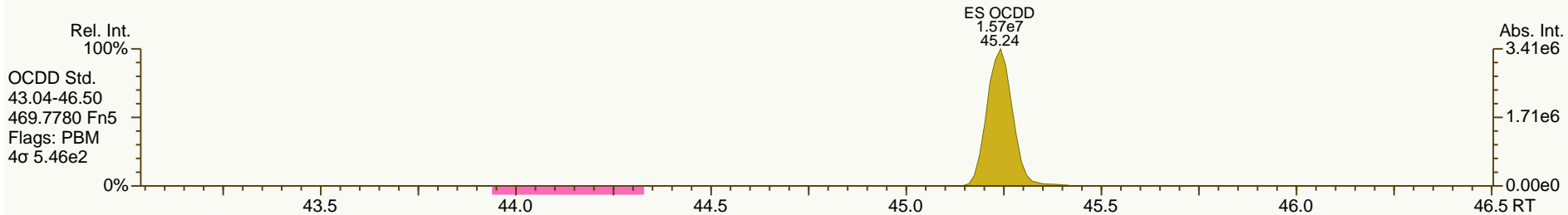
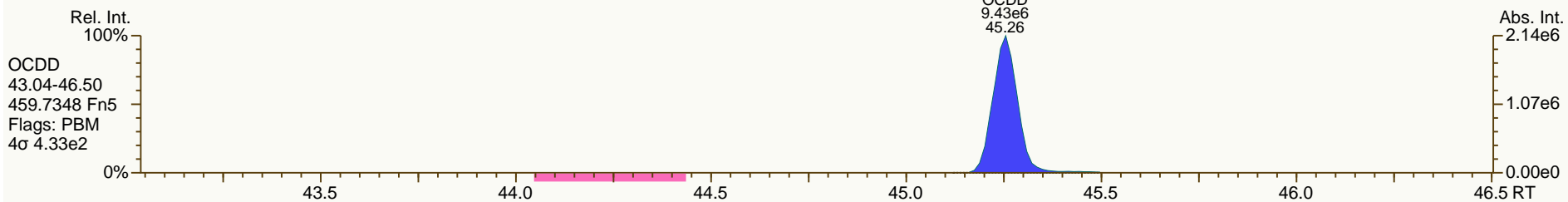
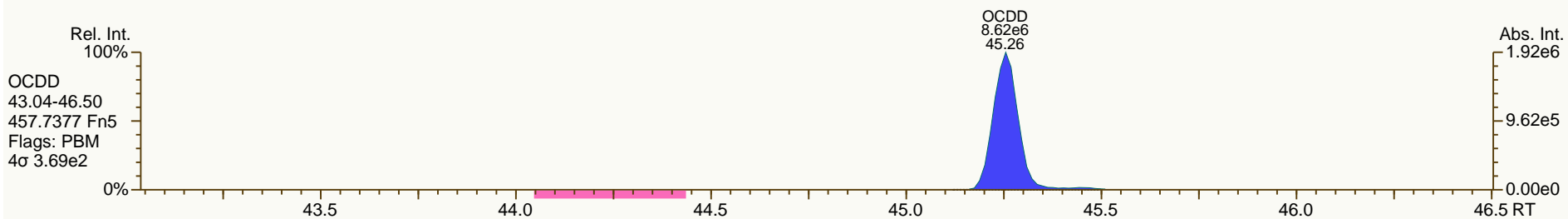
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

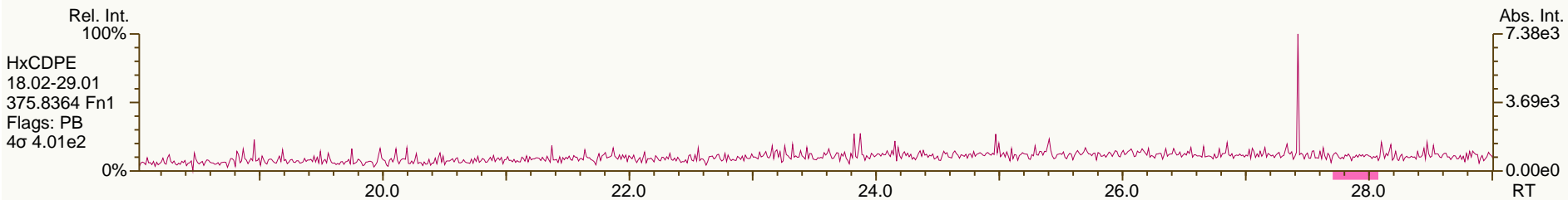
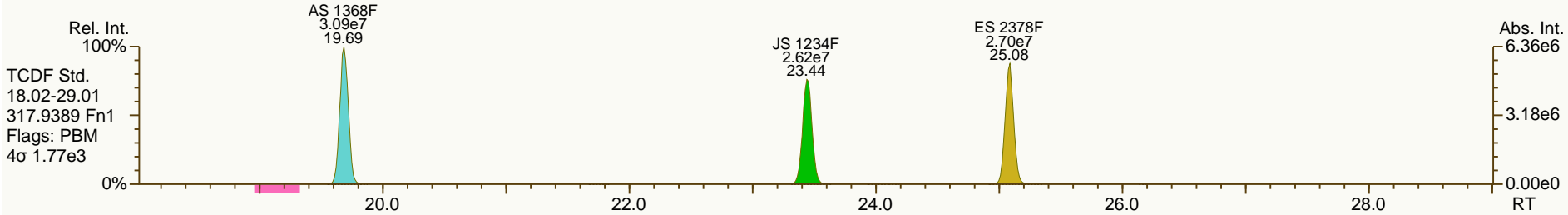
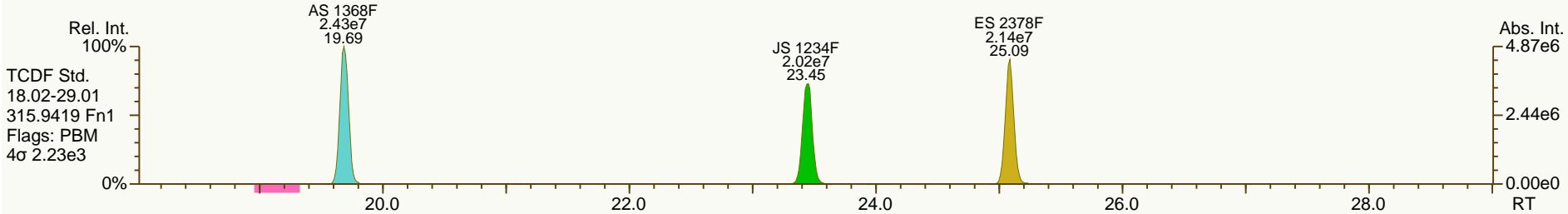
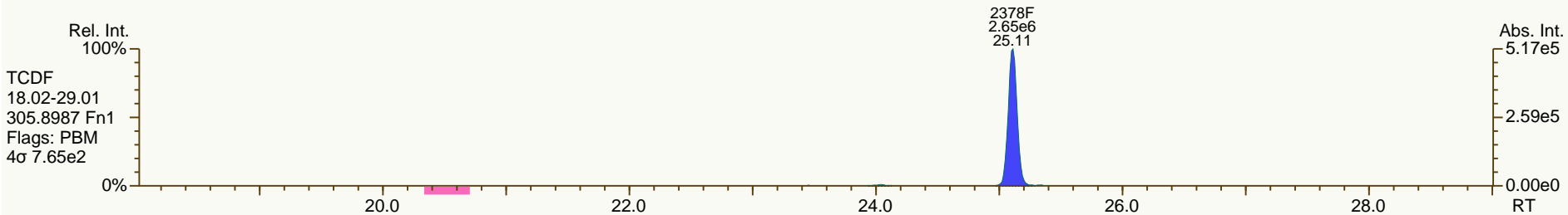
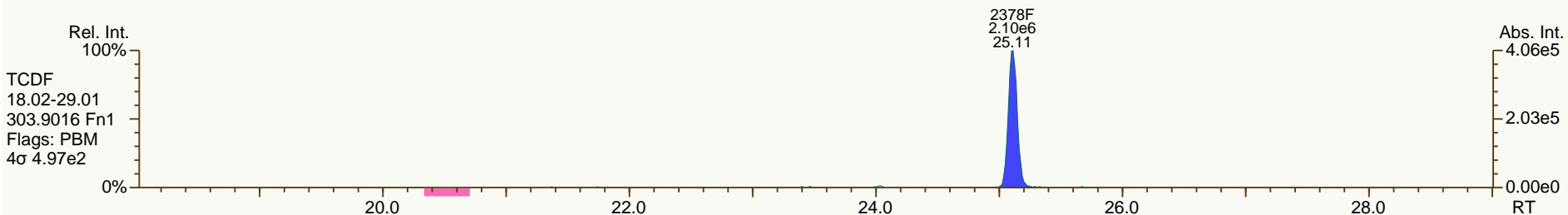
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

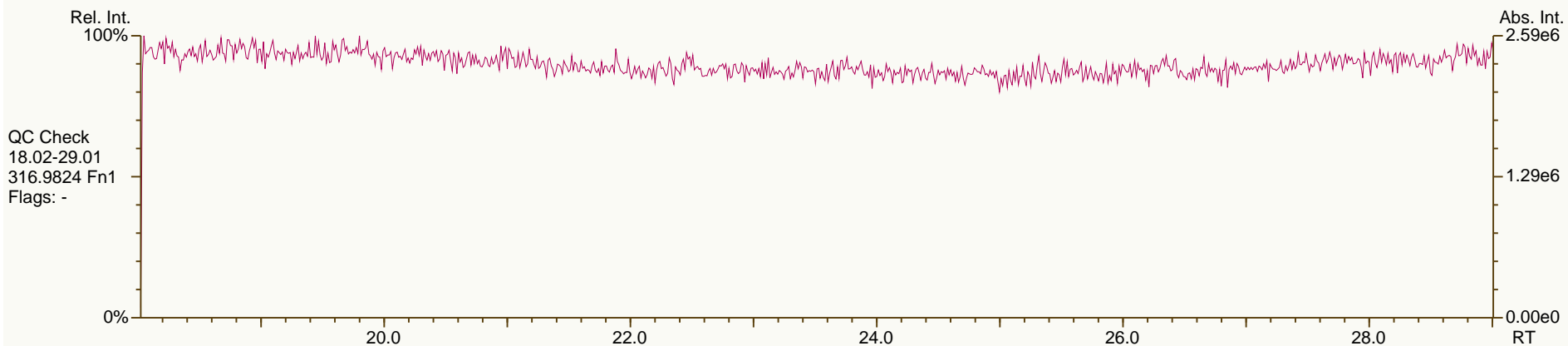
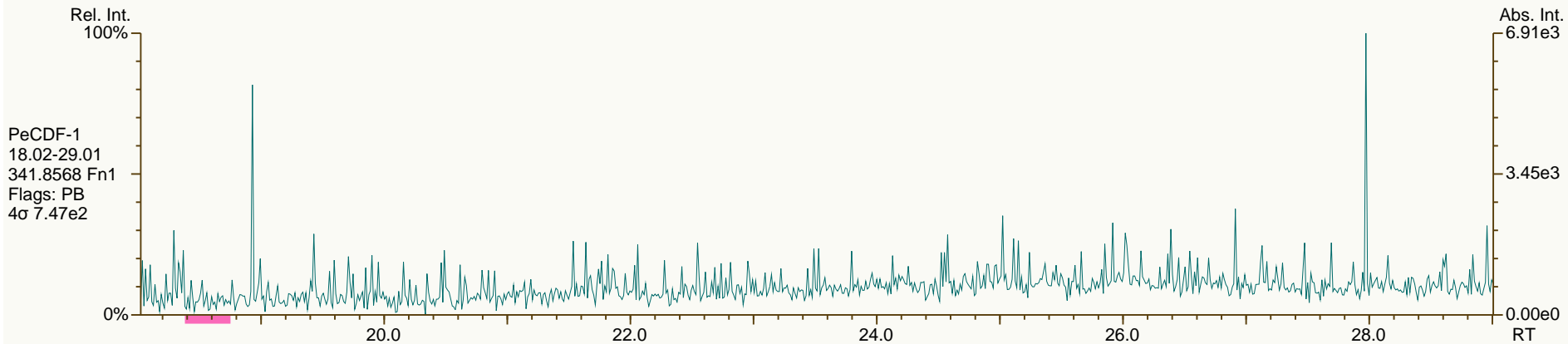
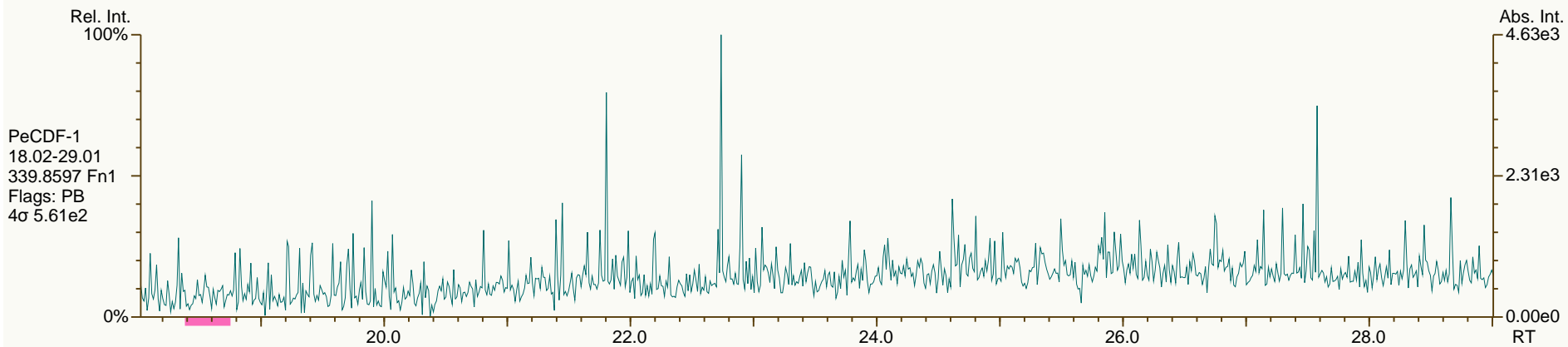
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

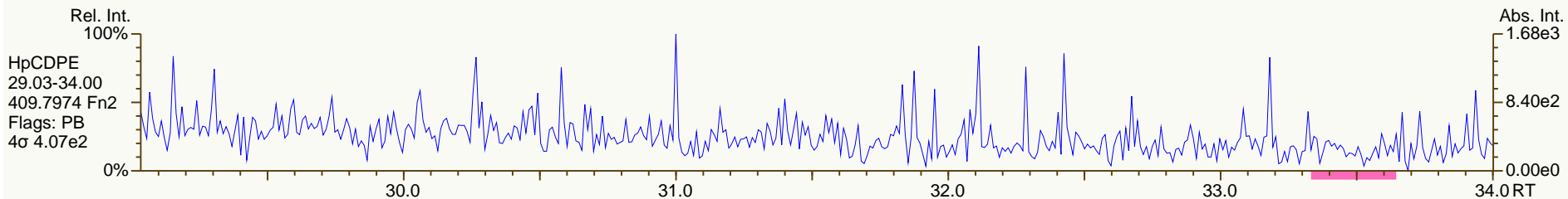
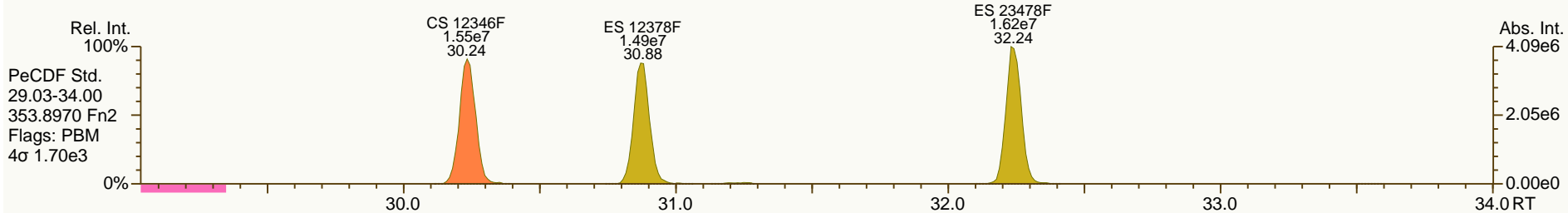
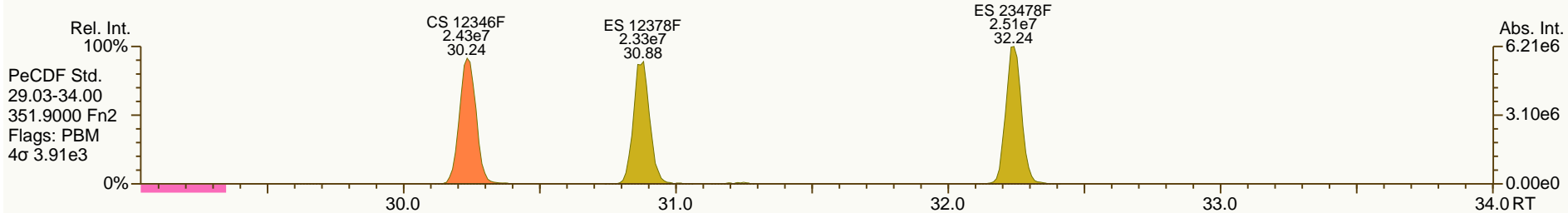
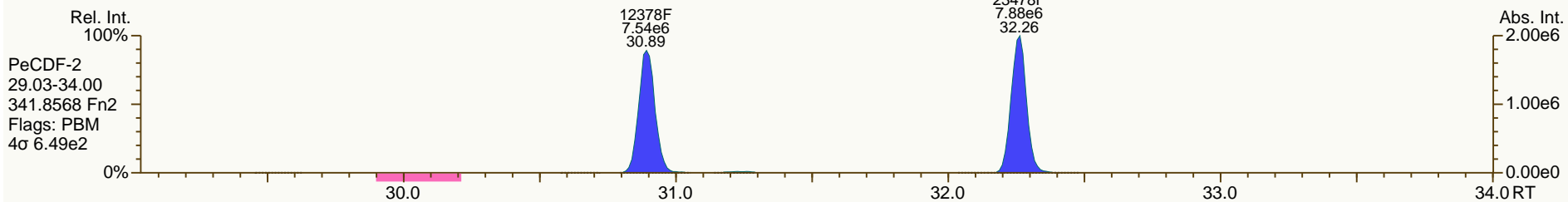
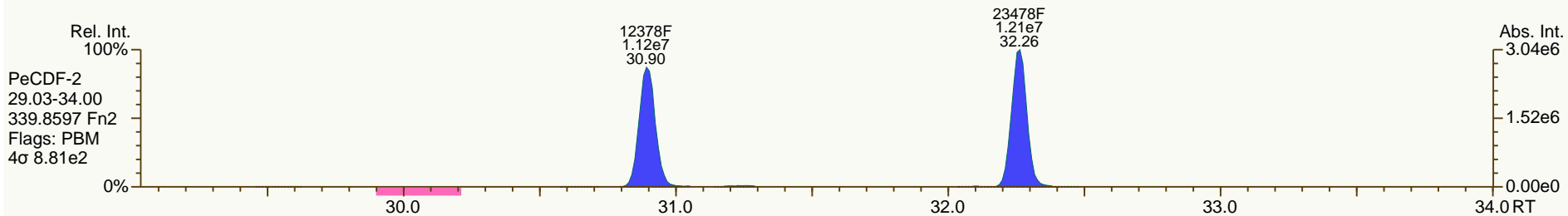
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

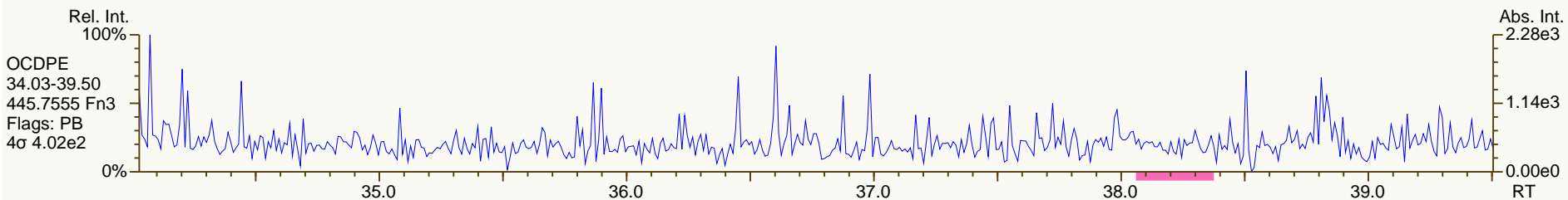
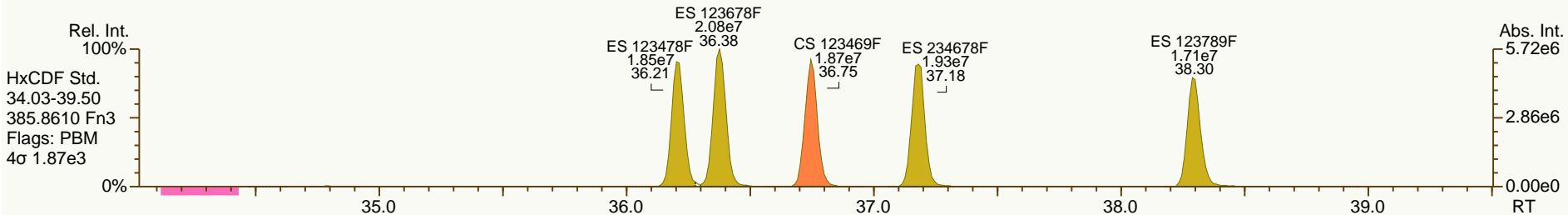
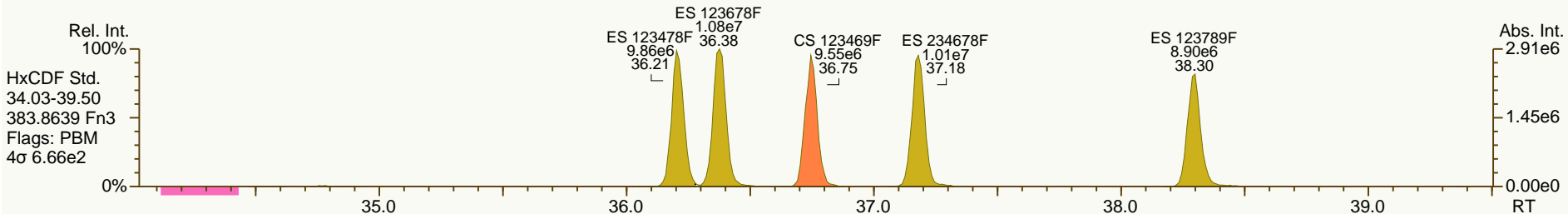
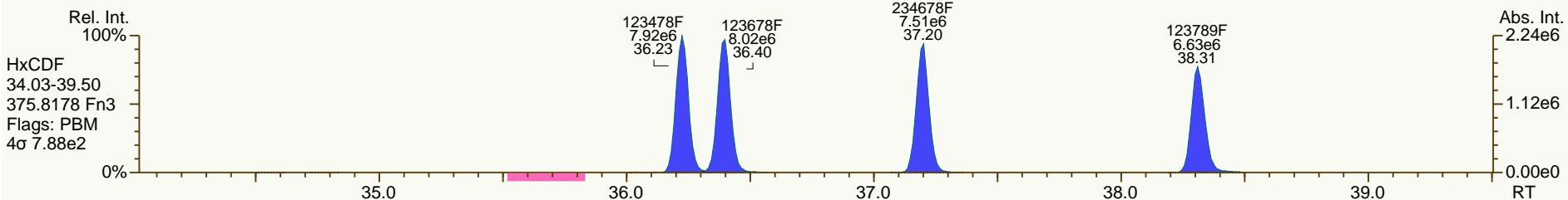
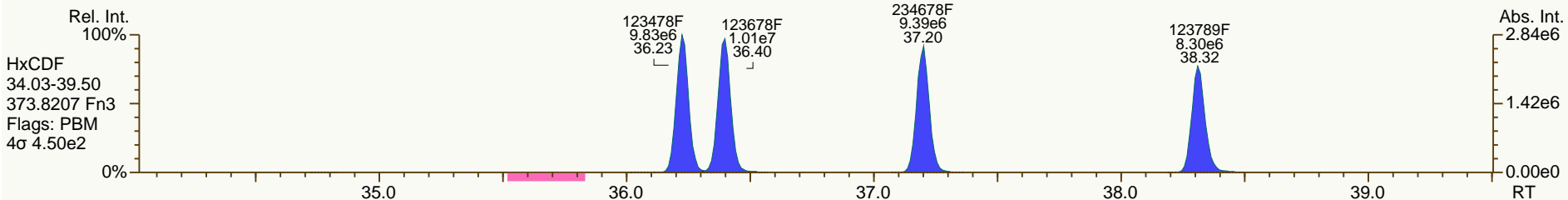
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

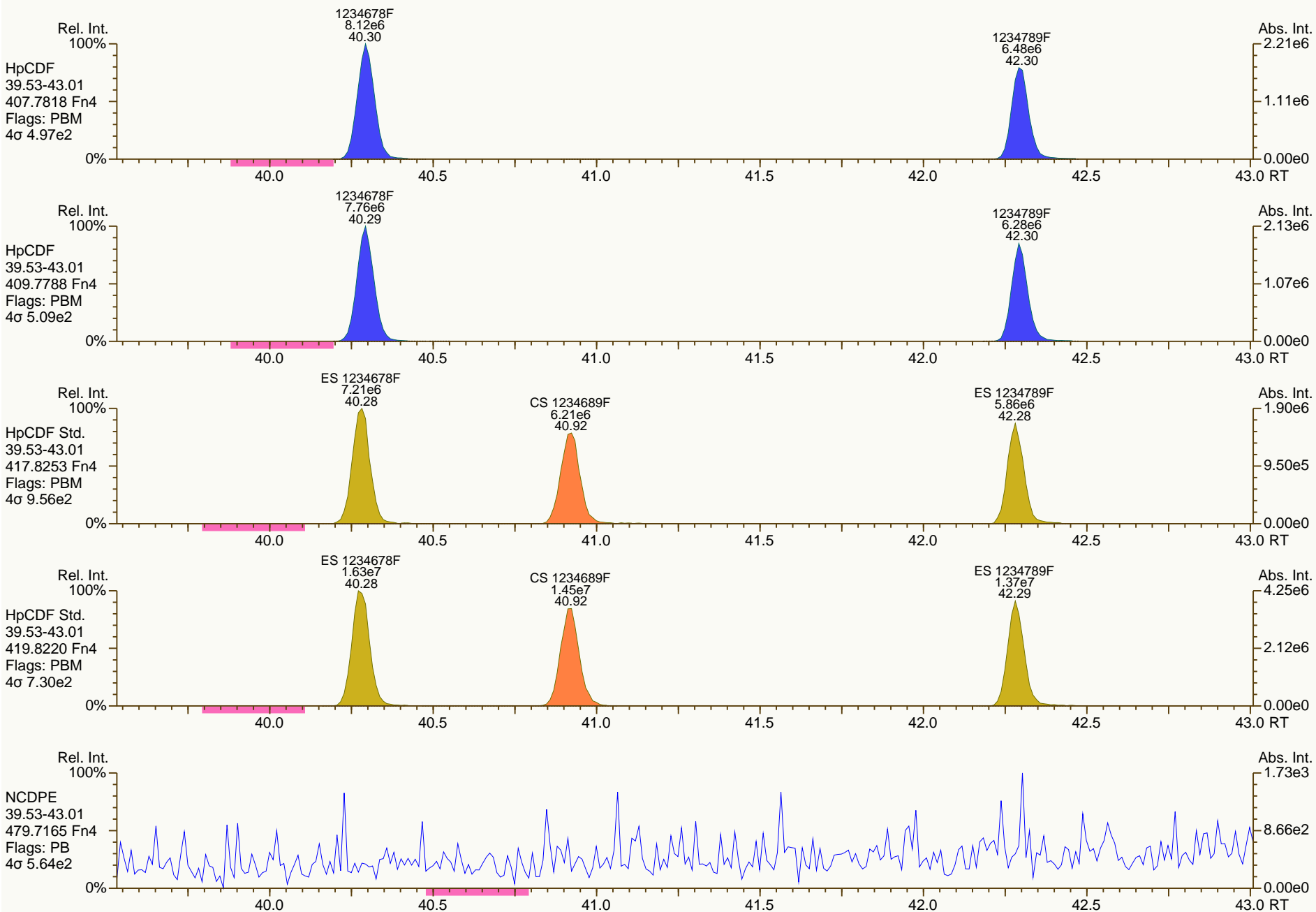
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

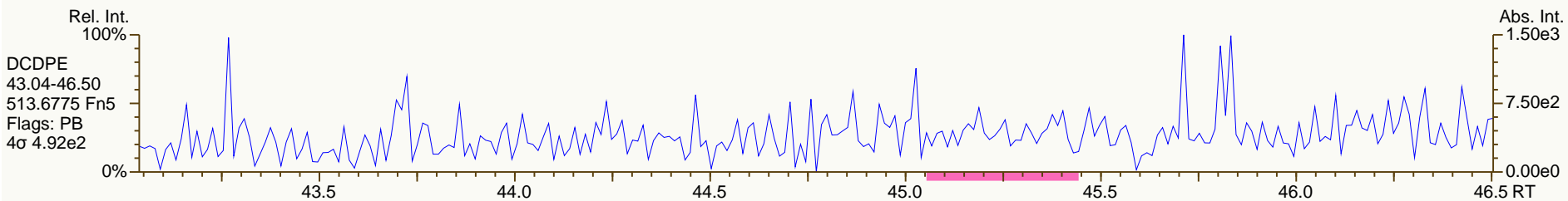
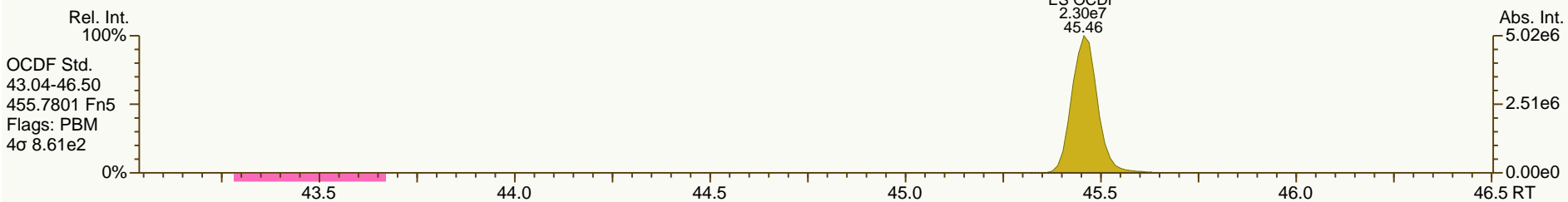
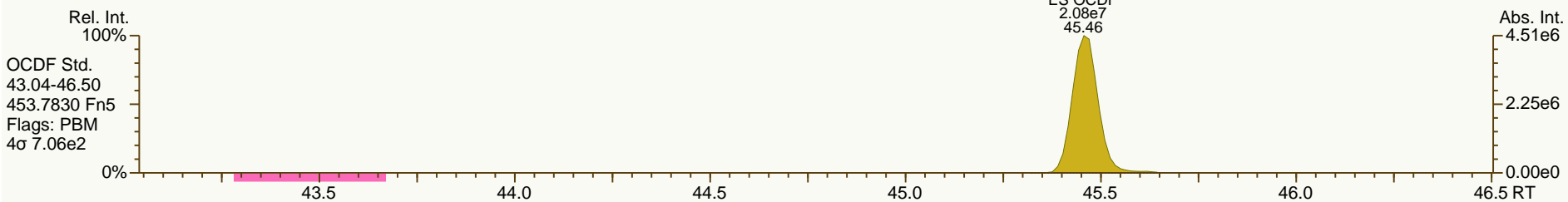
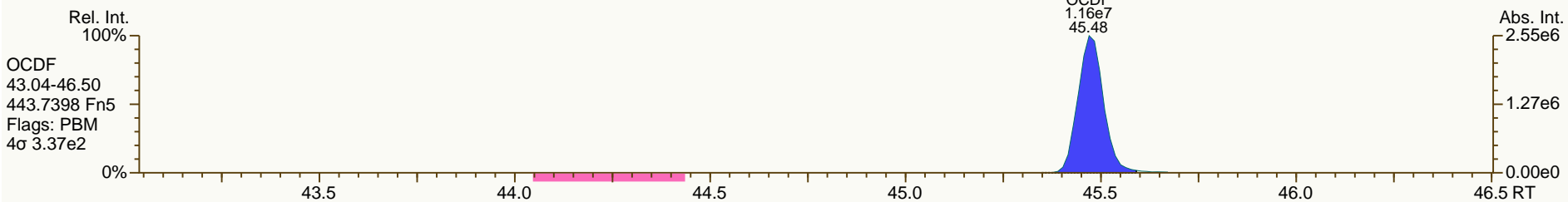
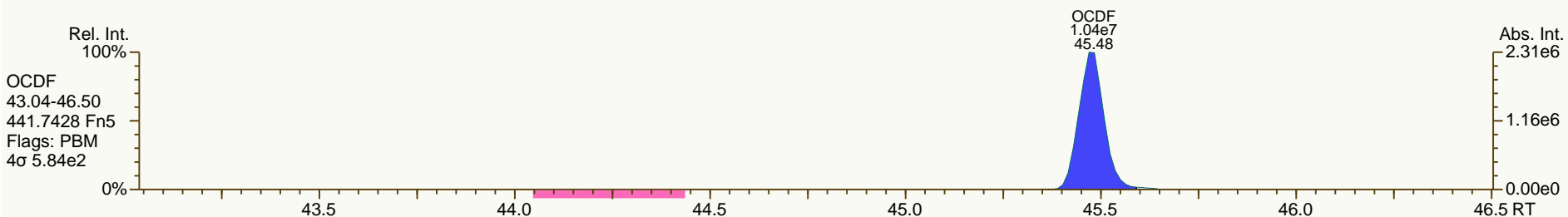
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 User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
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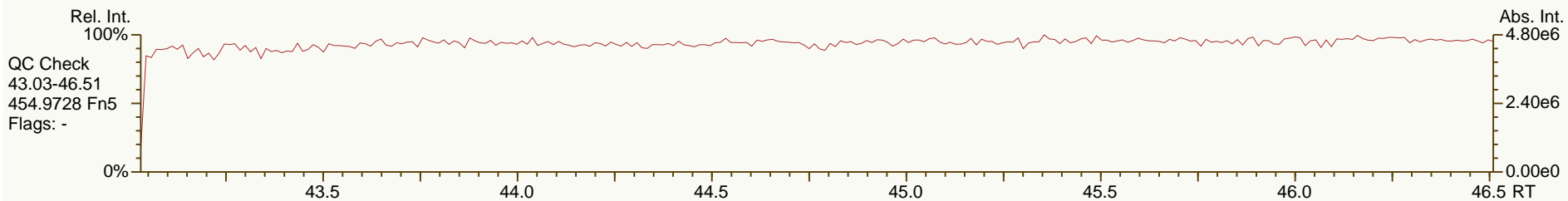
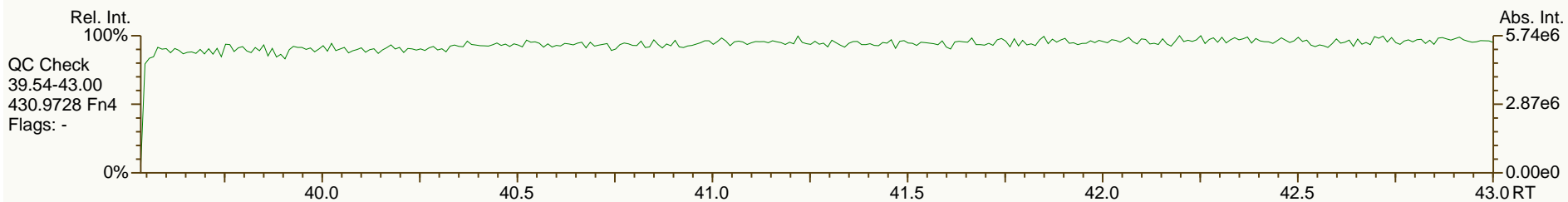
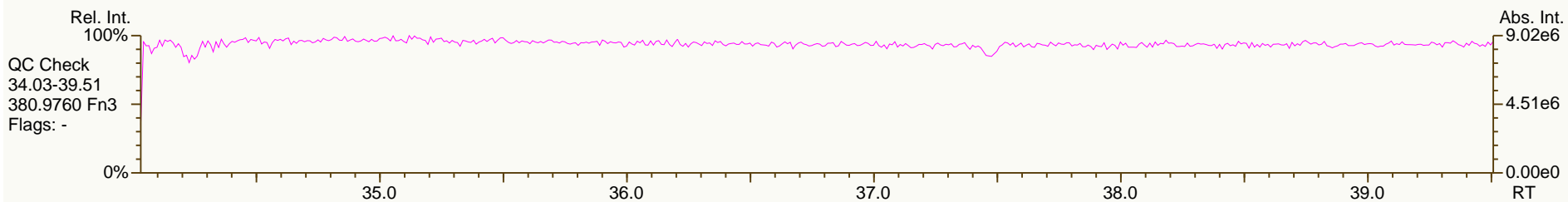
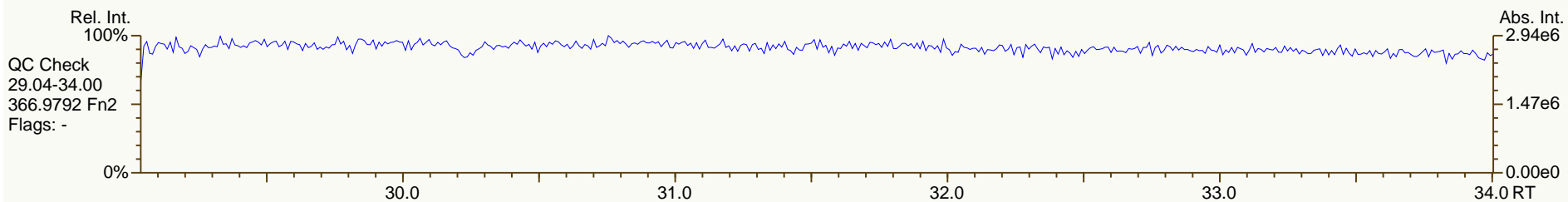
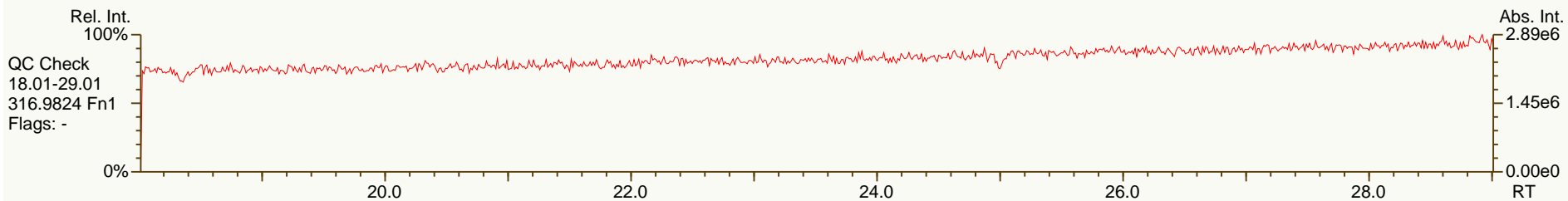
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

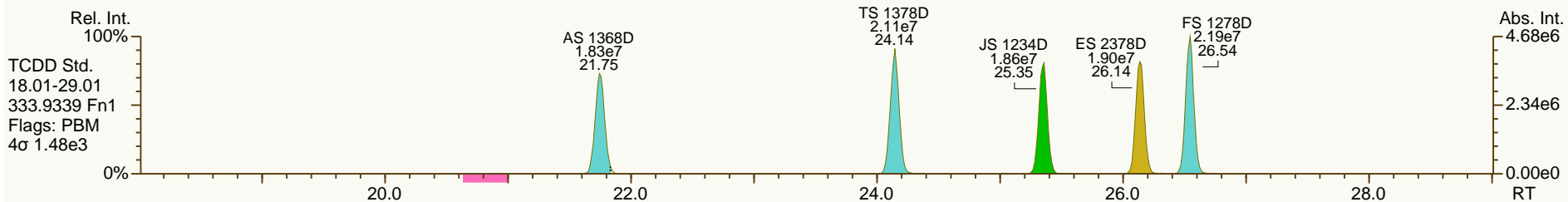
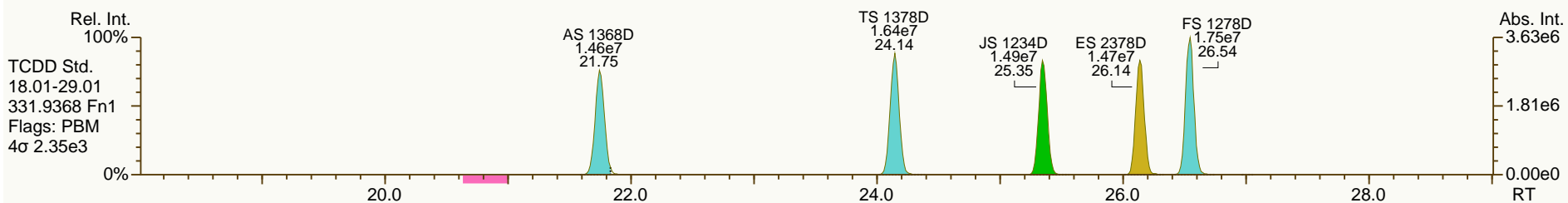
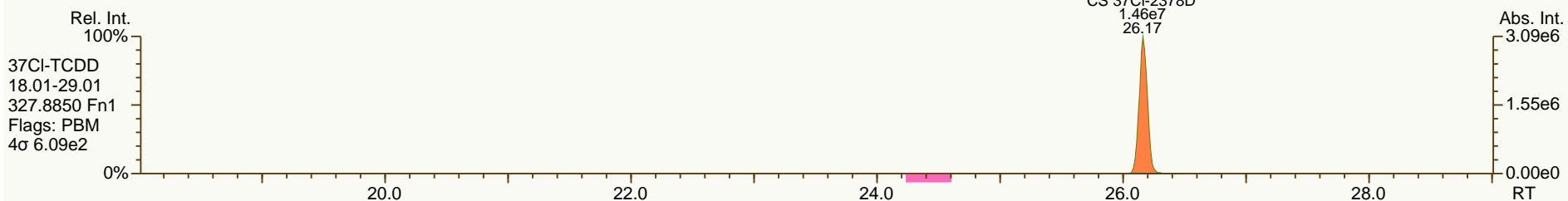
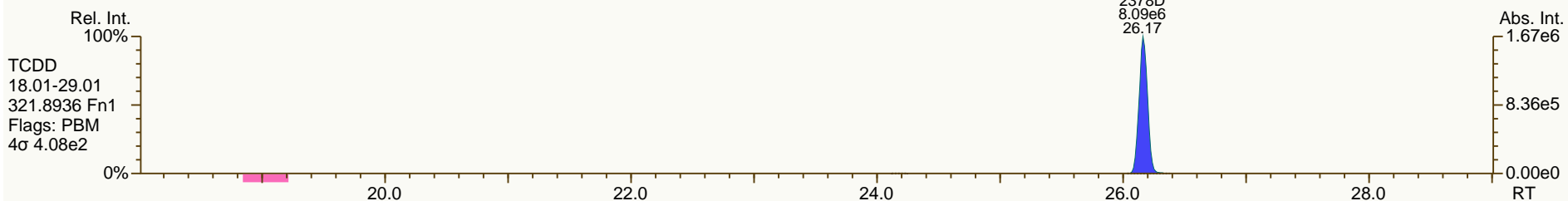
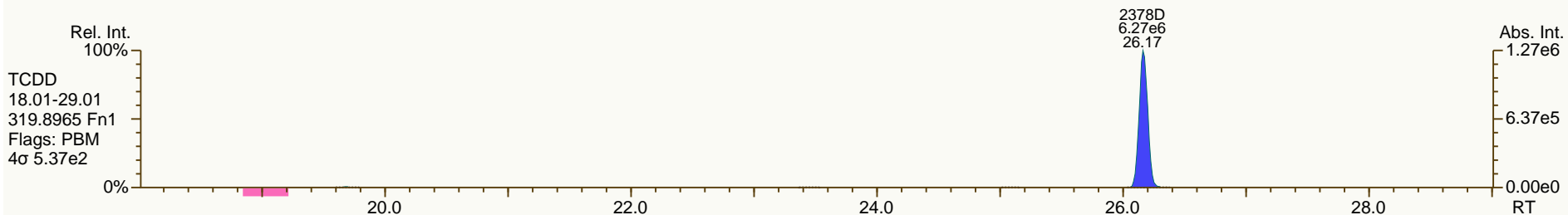
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

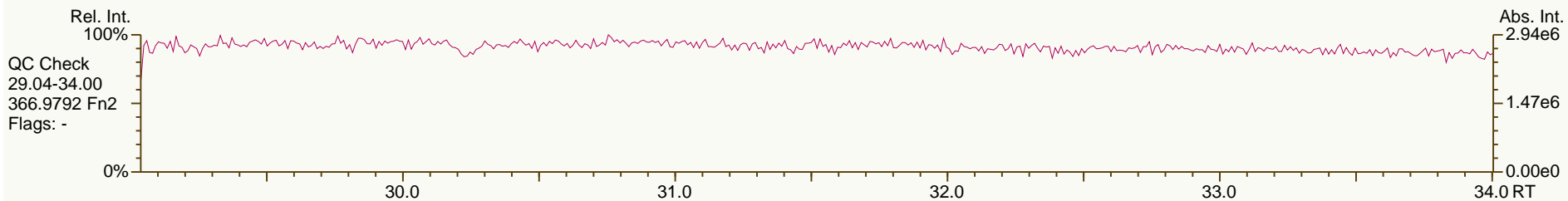
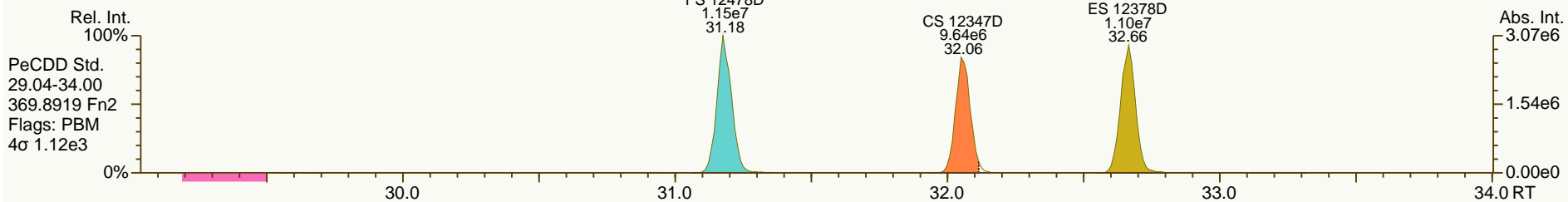
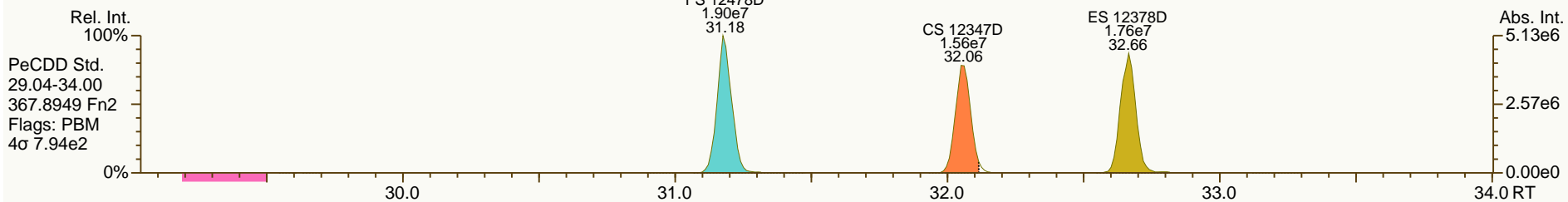
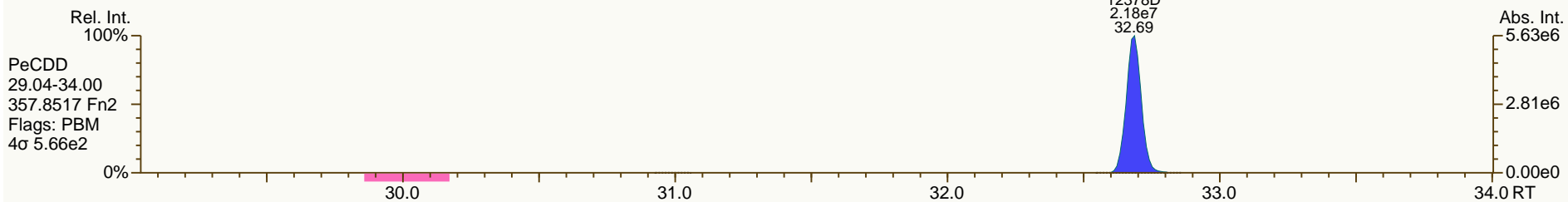
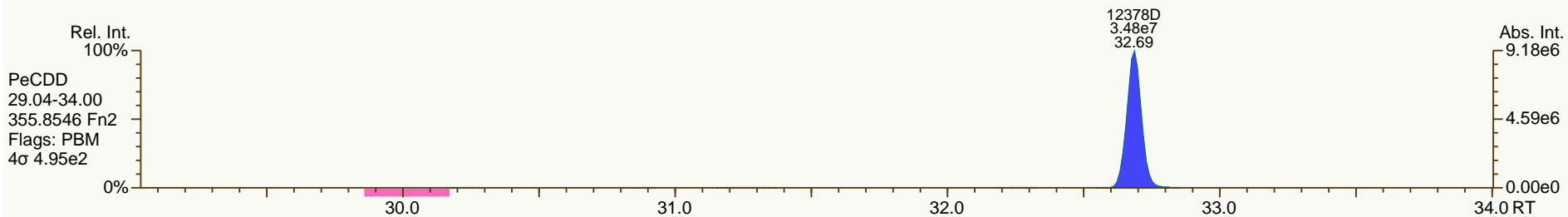
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

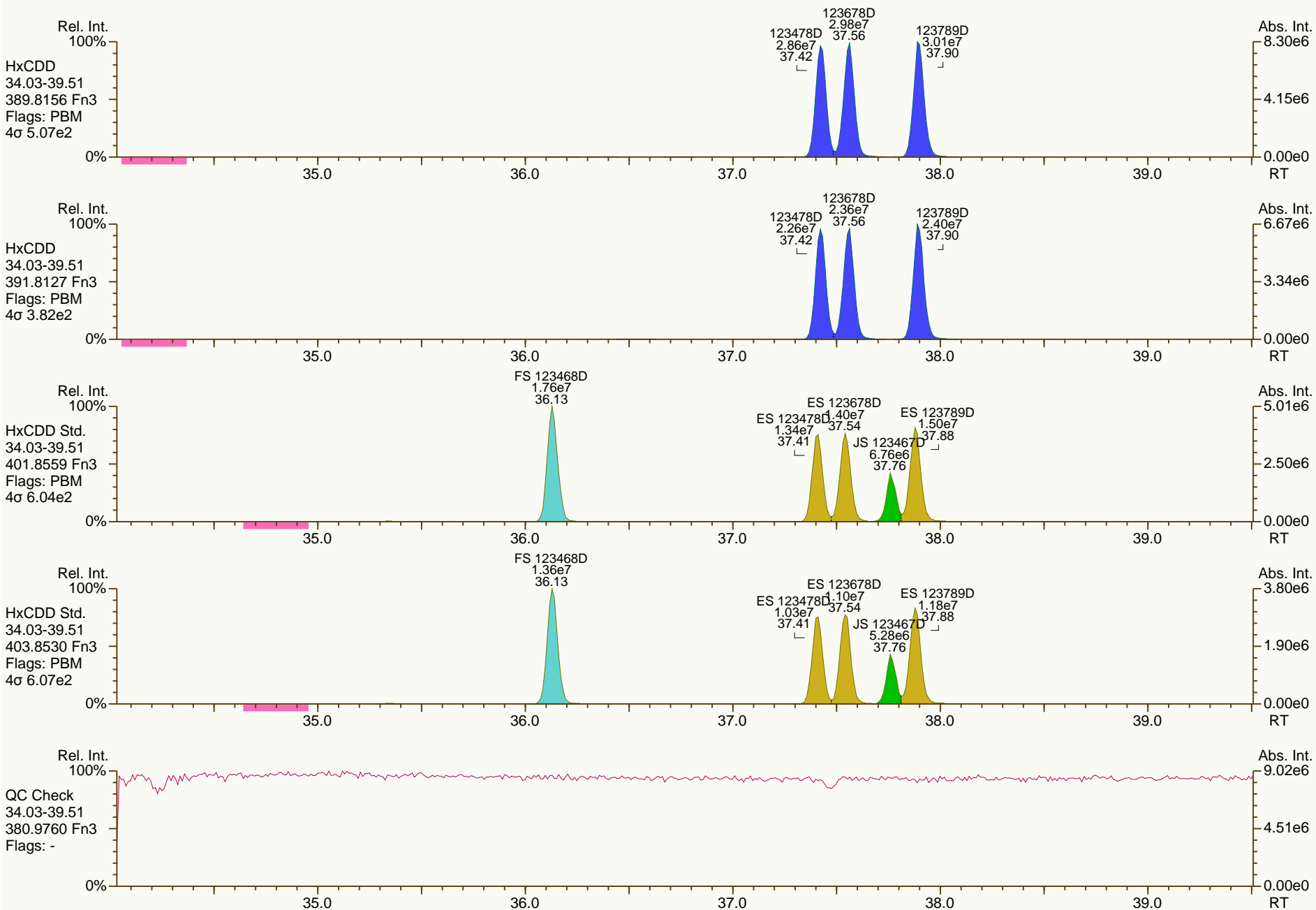
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

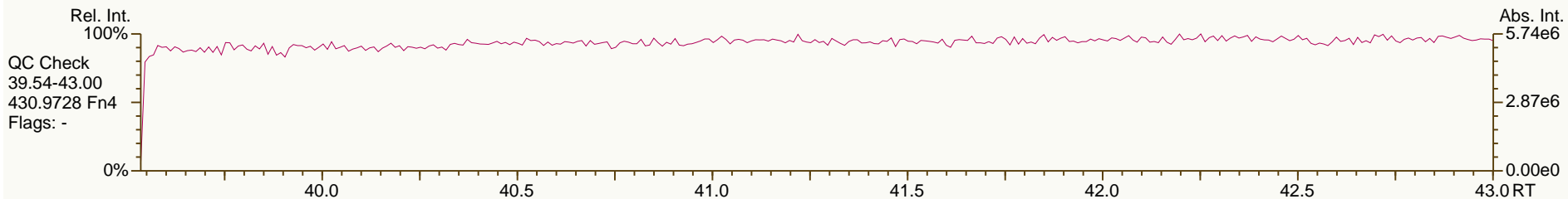
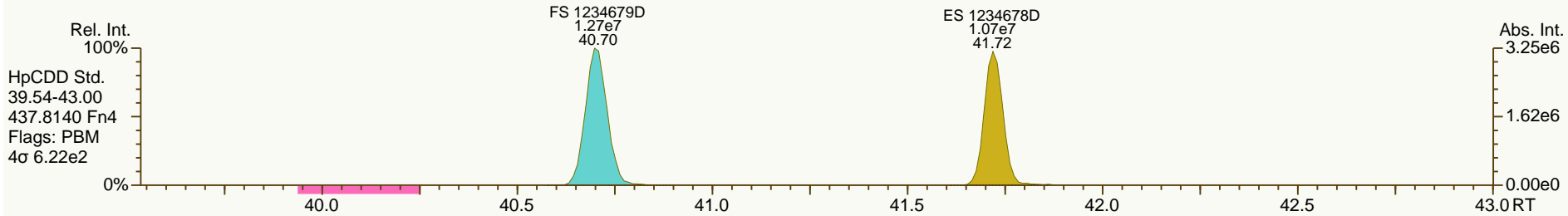
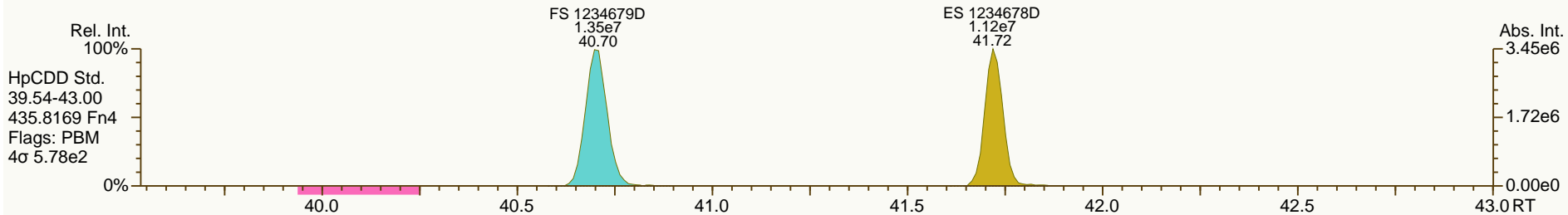
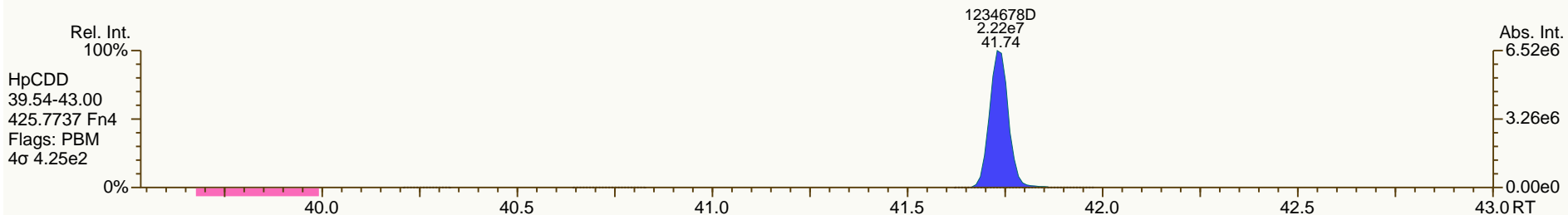
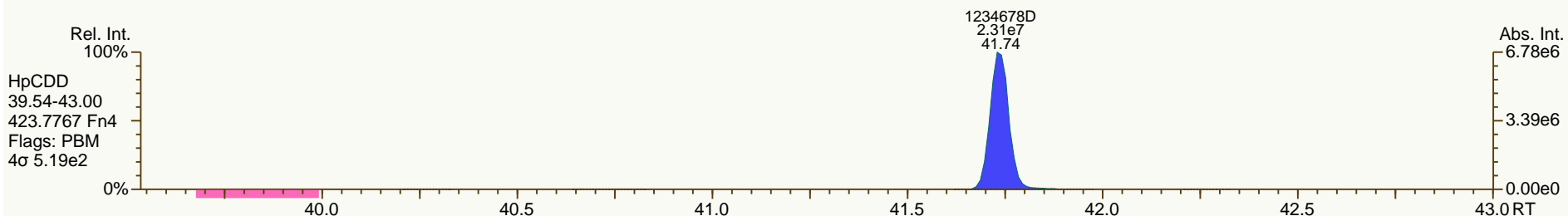
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

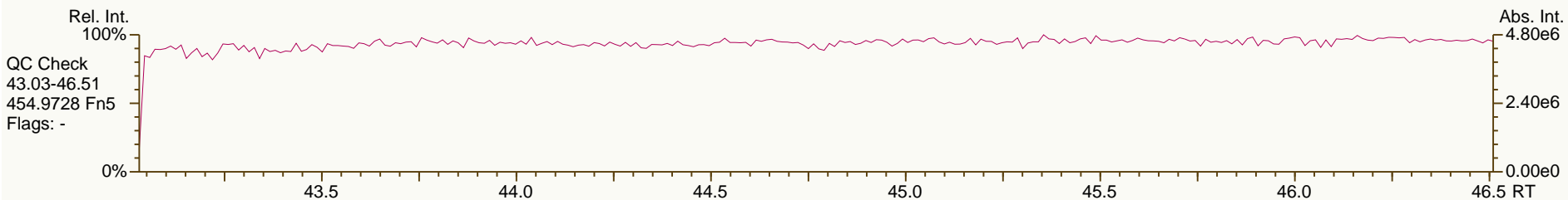
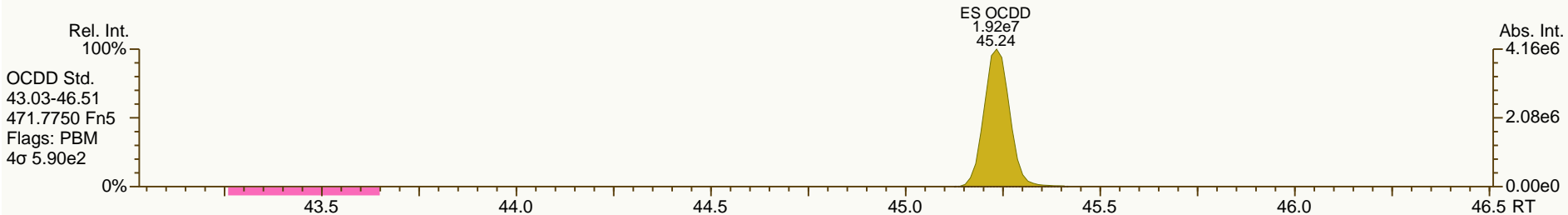
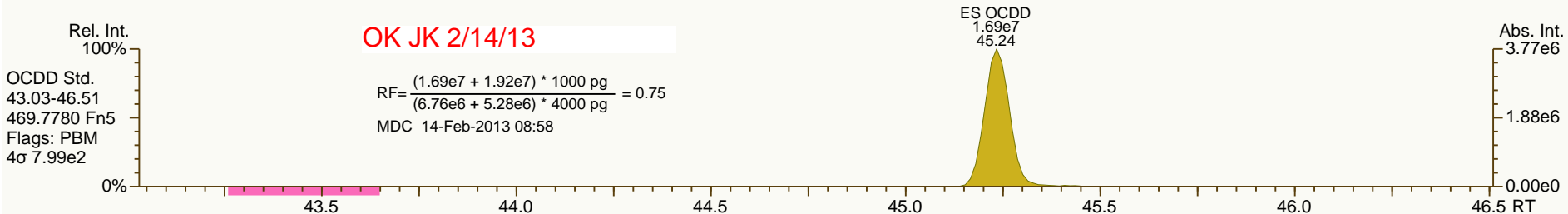
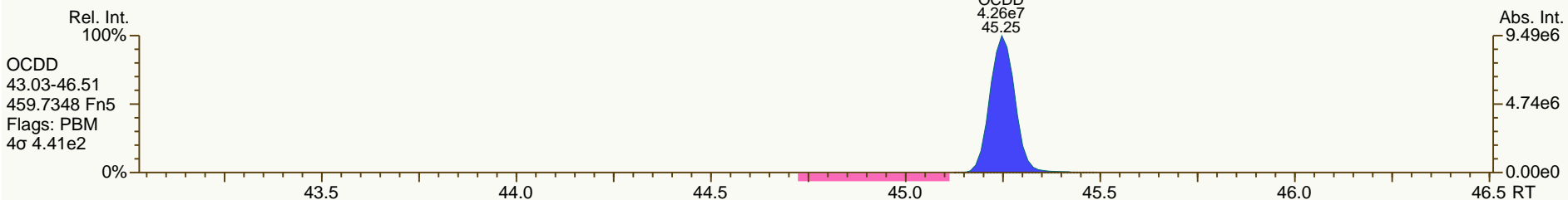
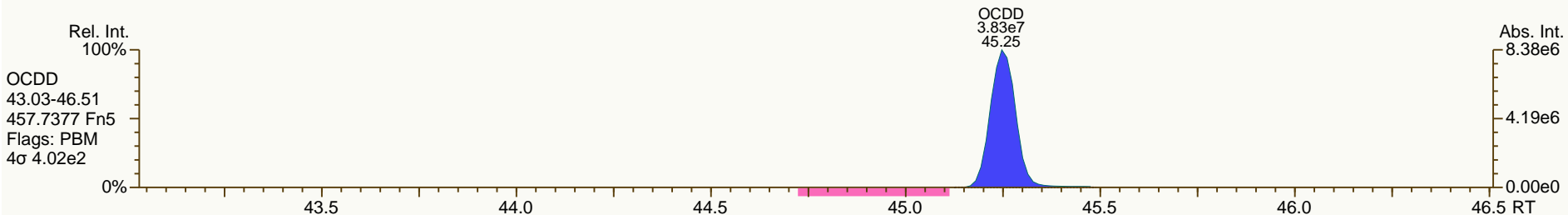
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

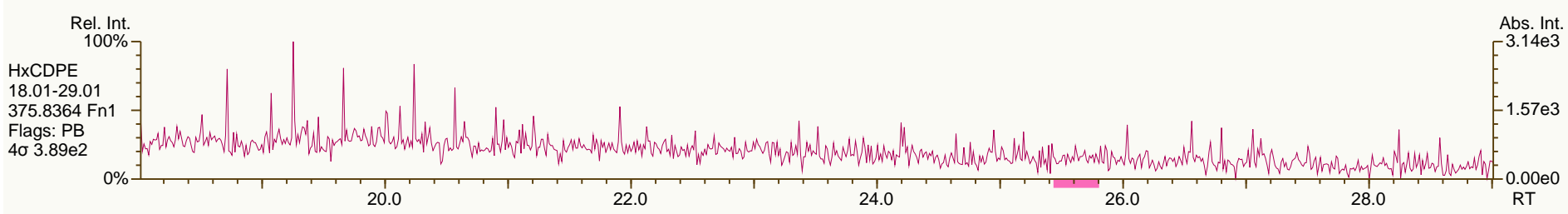
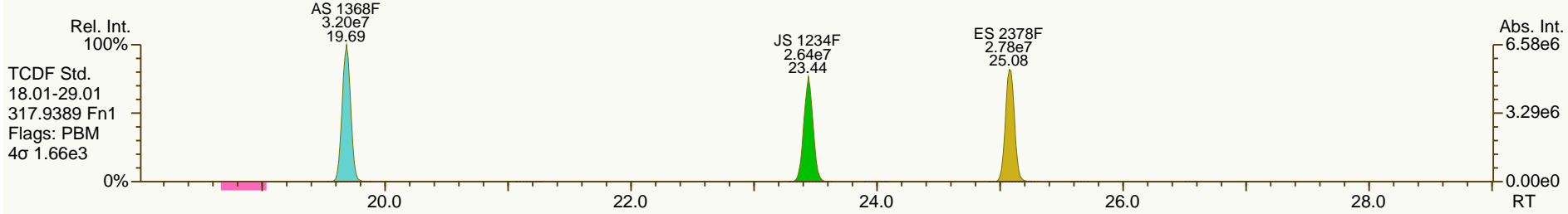
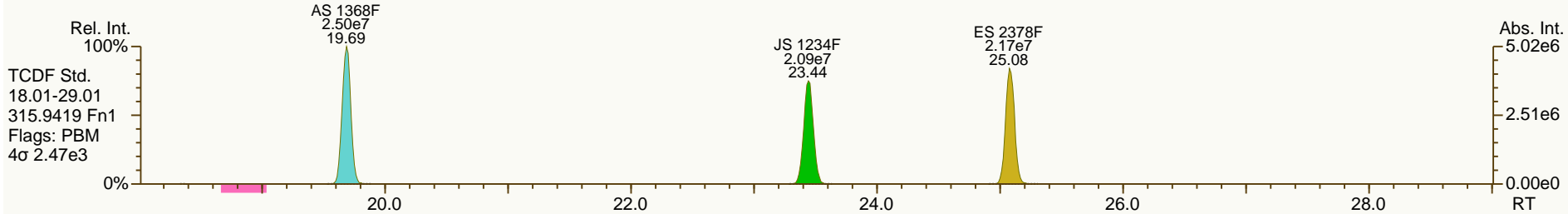
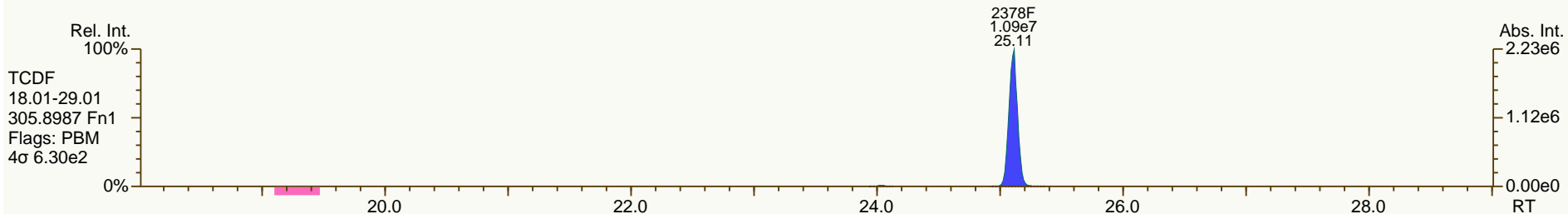
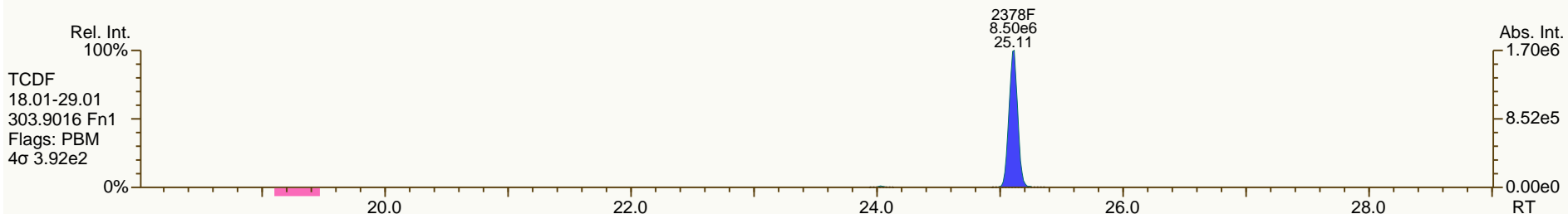
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SGS-AP ID: CS4
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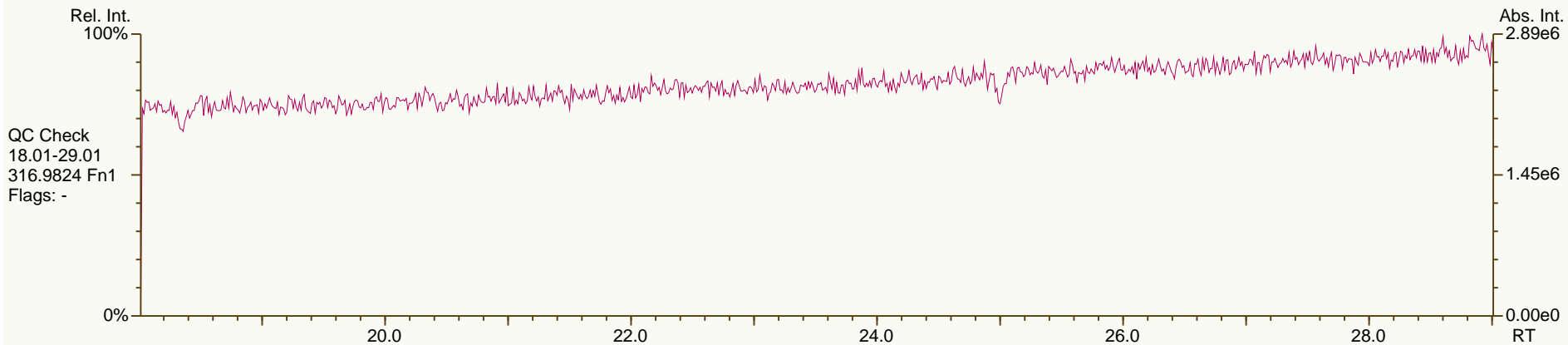
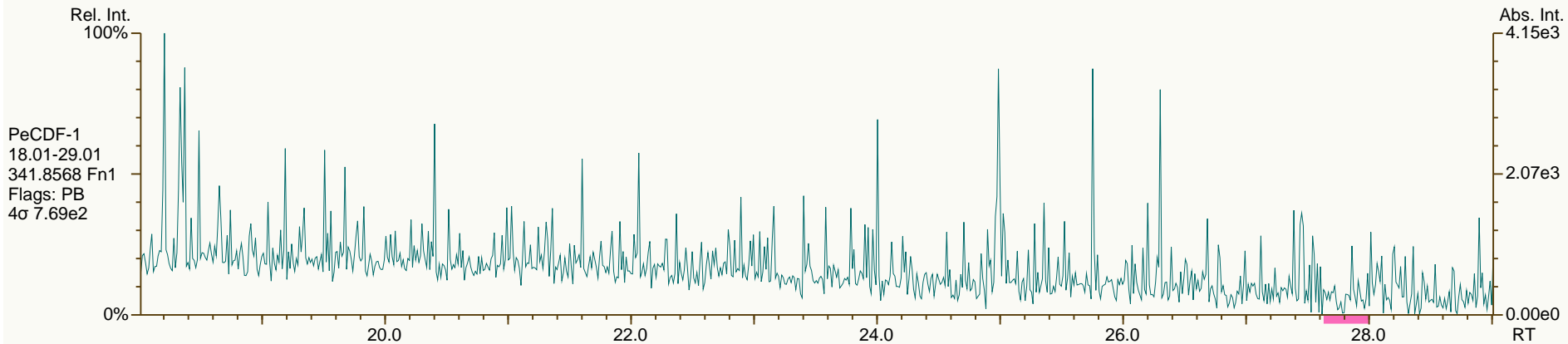
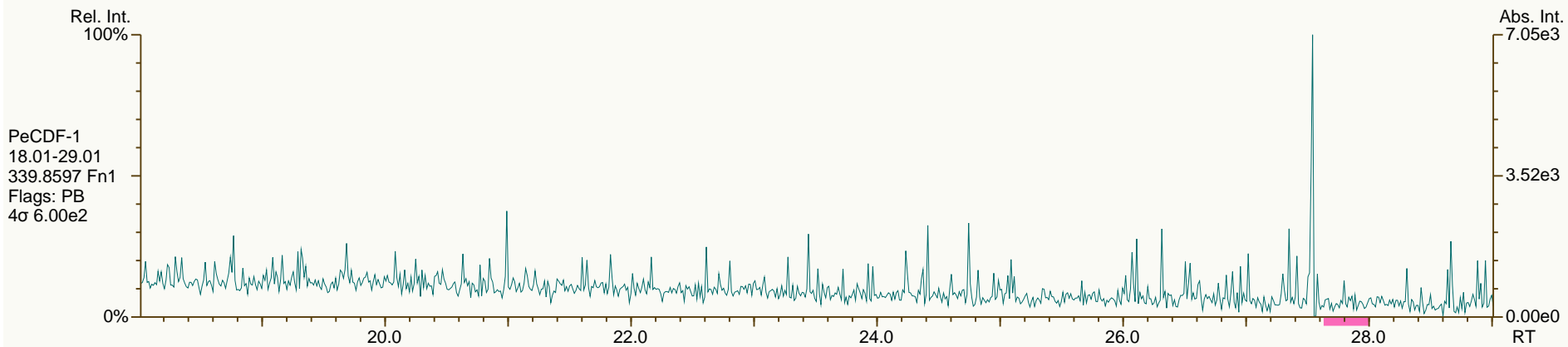
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

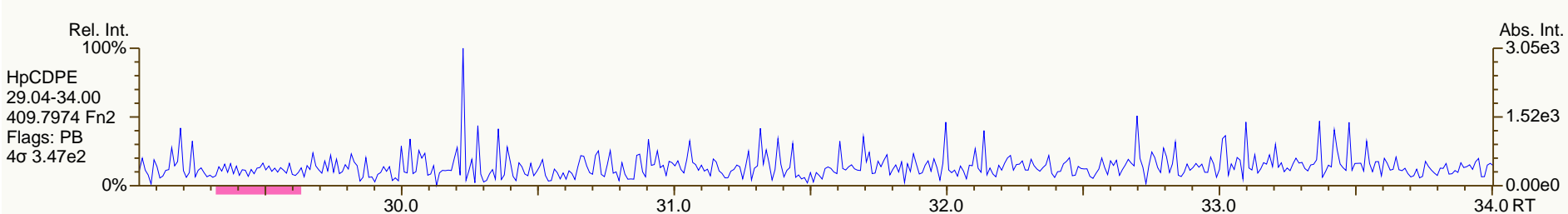
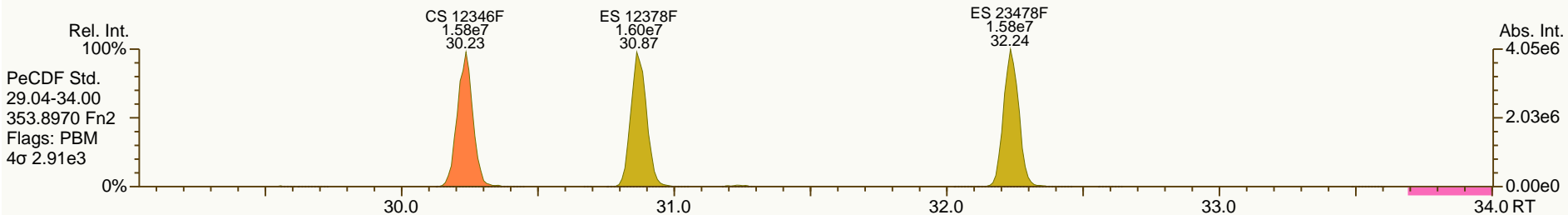
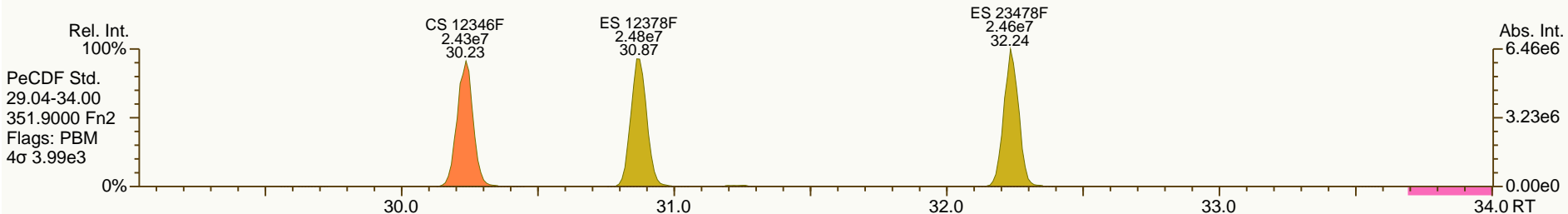
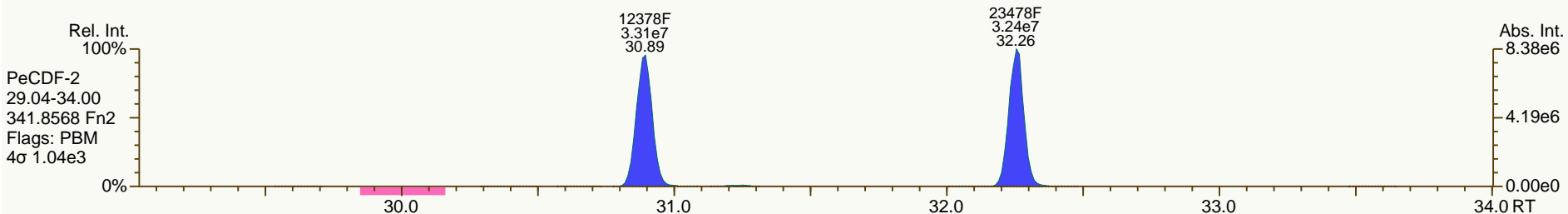
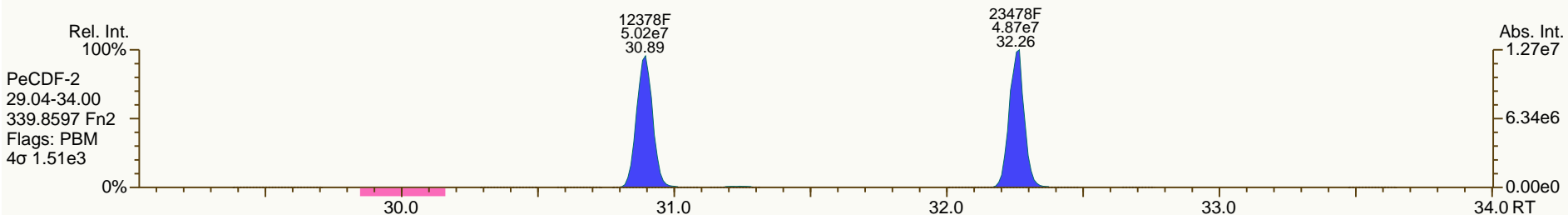
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

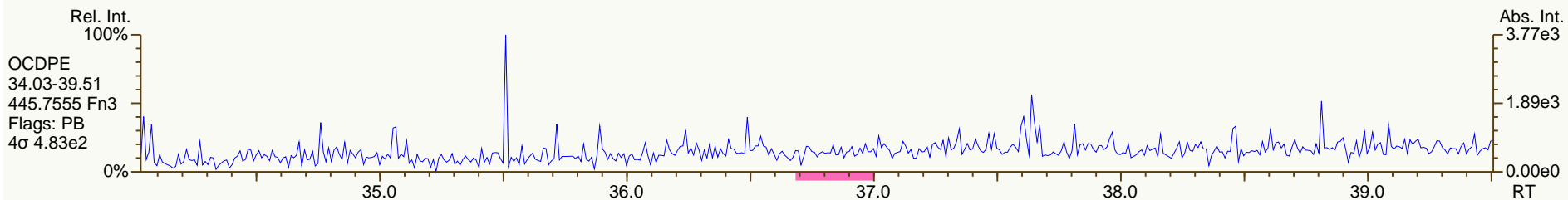
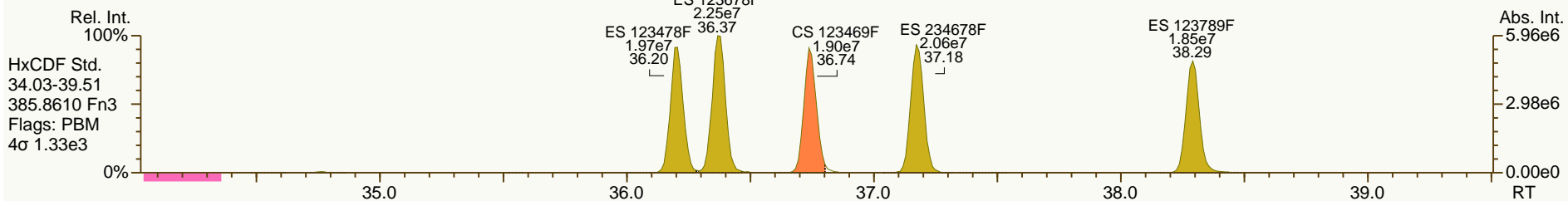
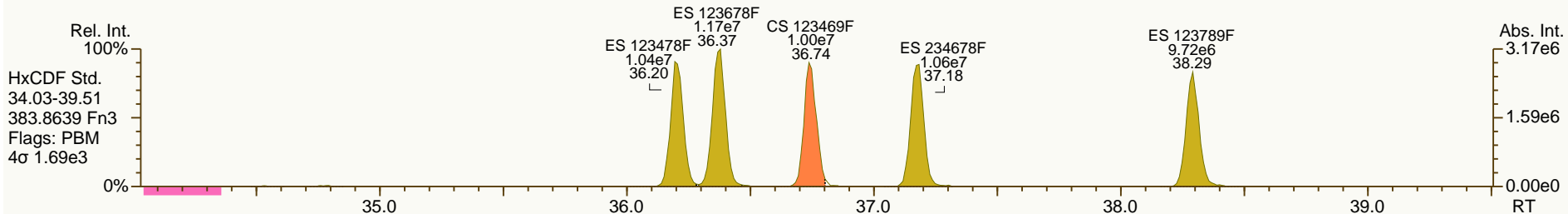
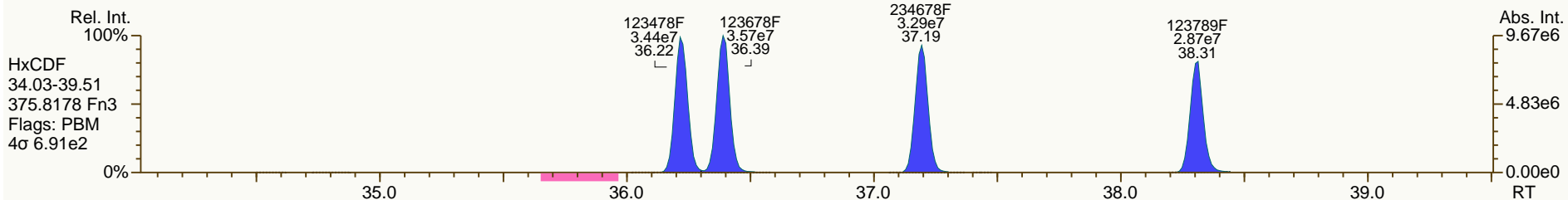
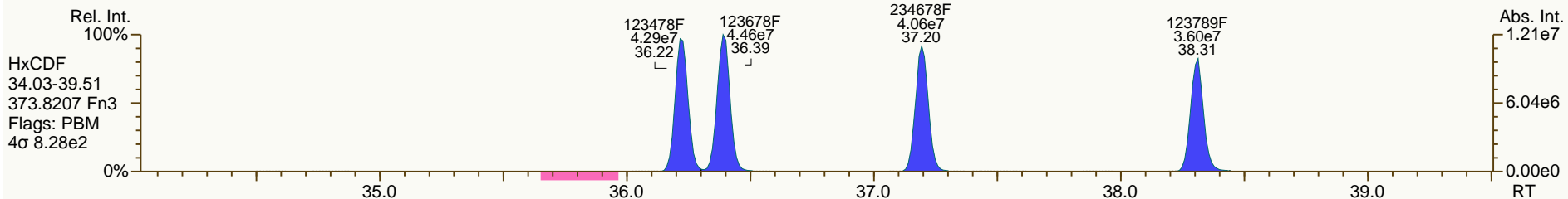
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

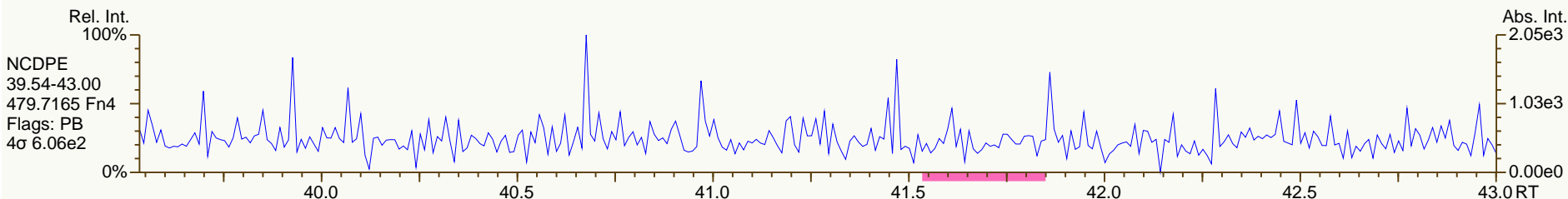
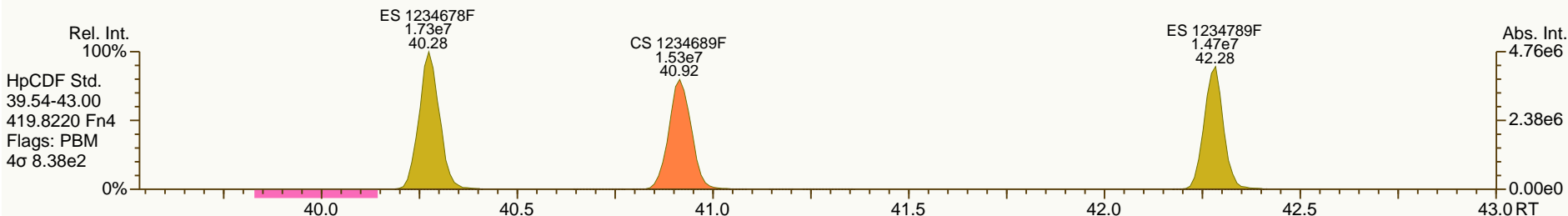
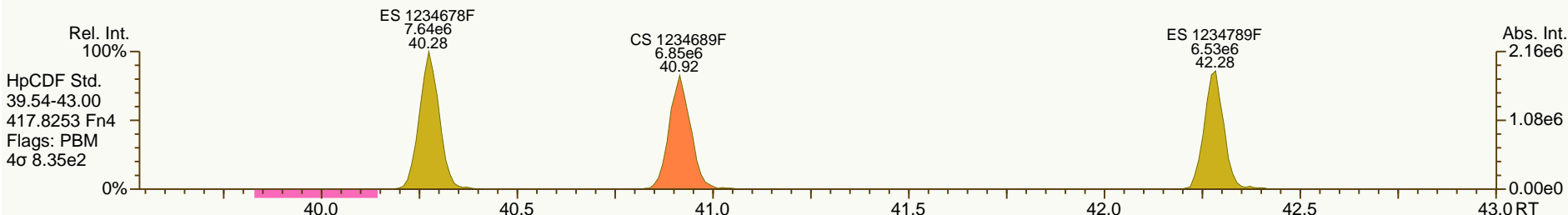
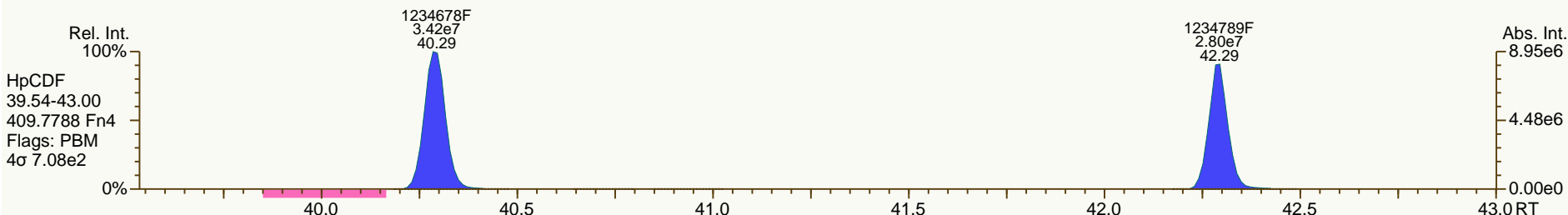
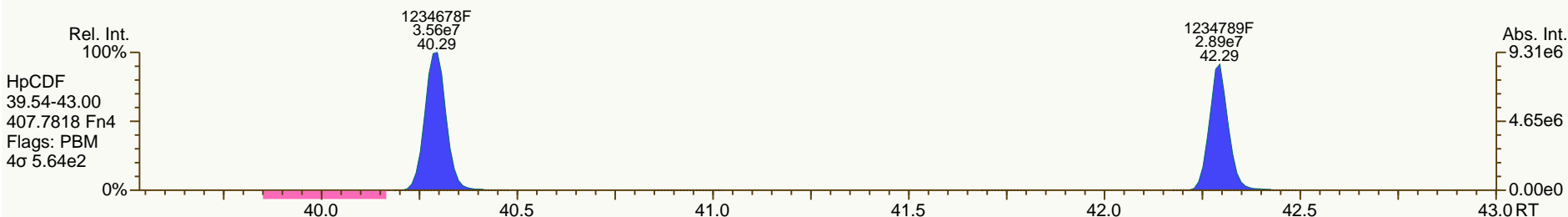
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

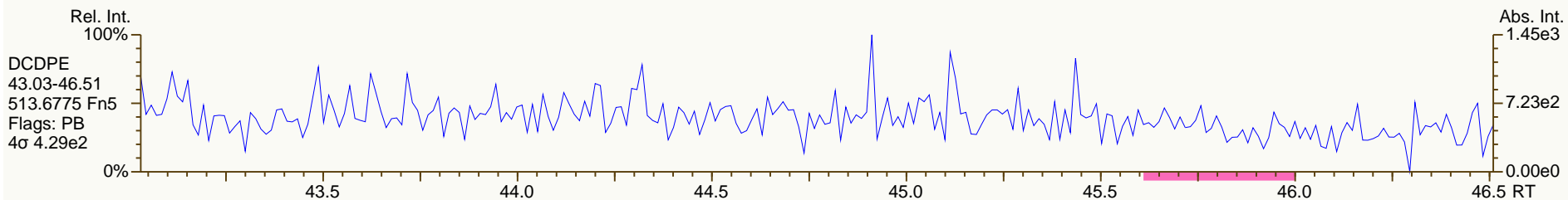
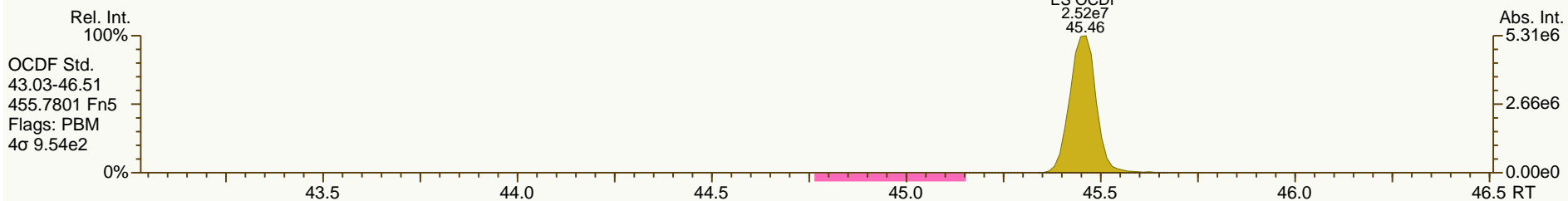
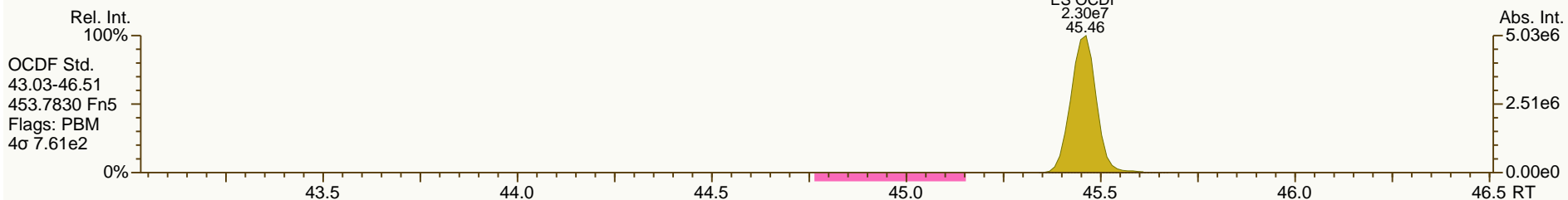
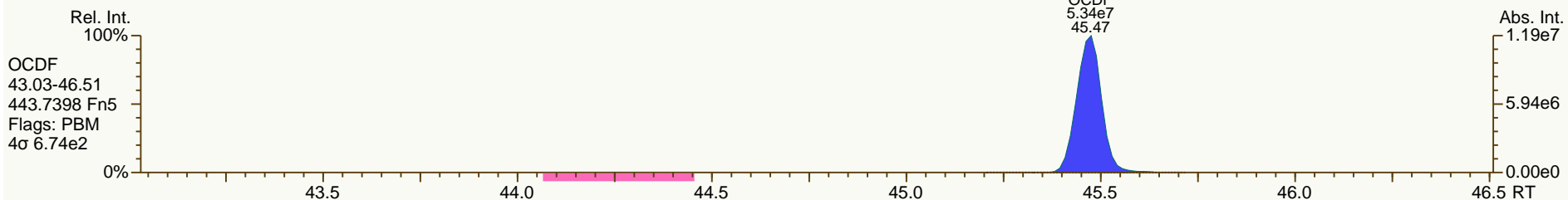
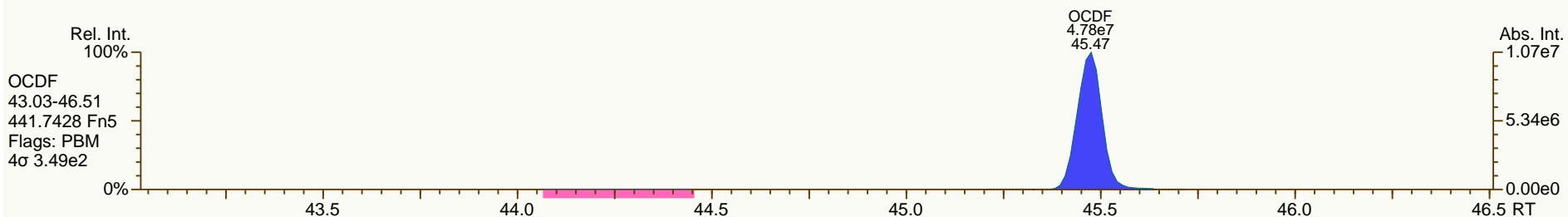
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SGS-AP ID: CS4
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 13-FEB-2013 17:07:16
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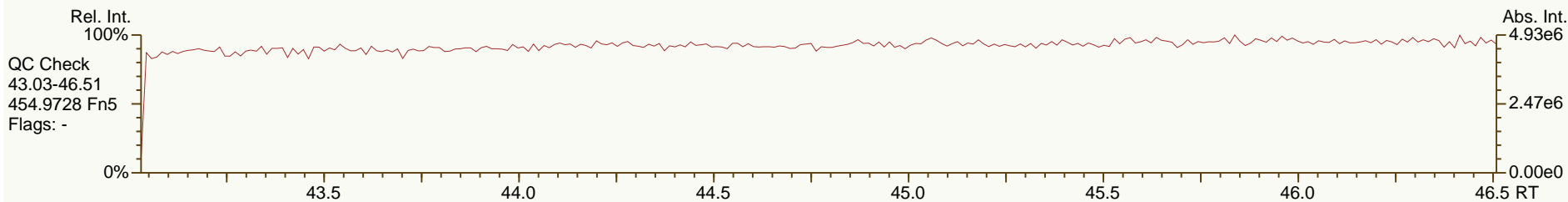
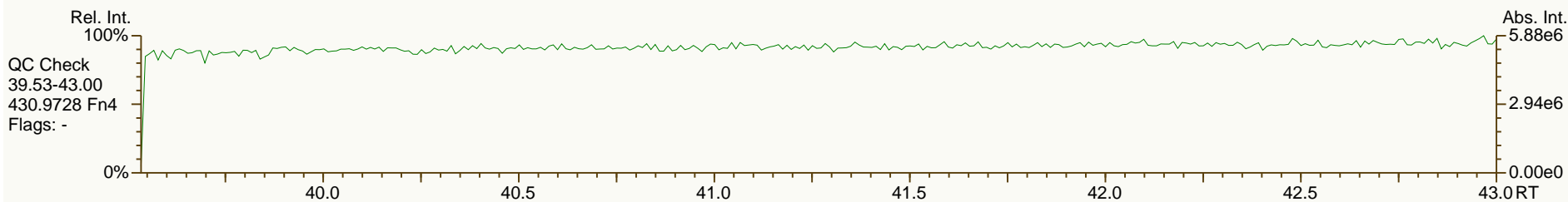
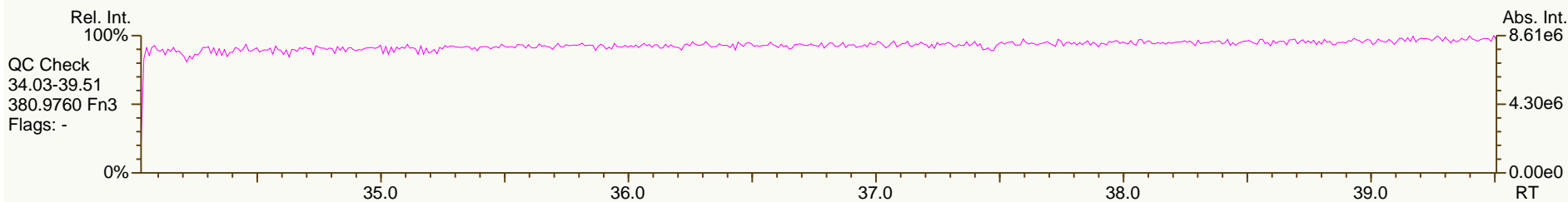
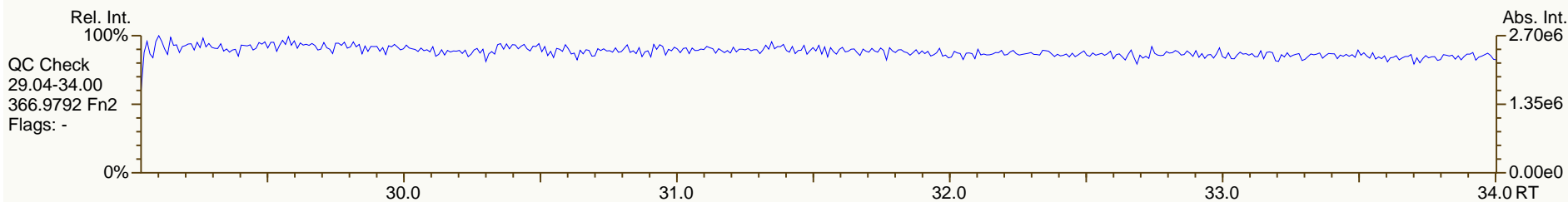
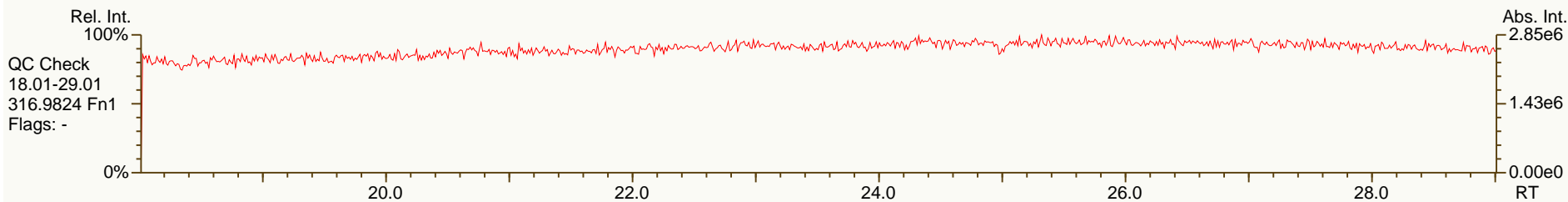
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

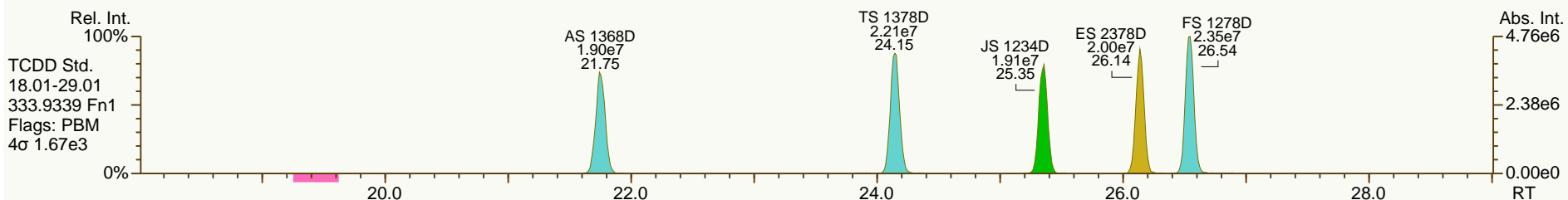
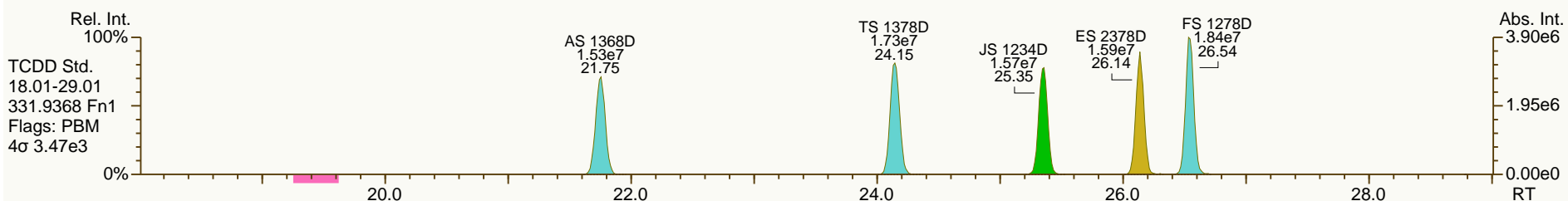
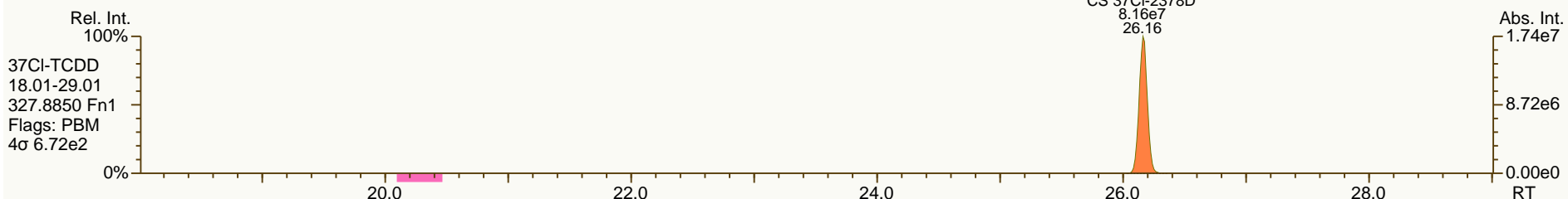
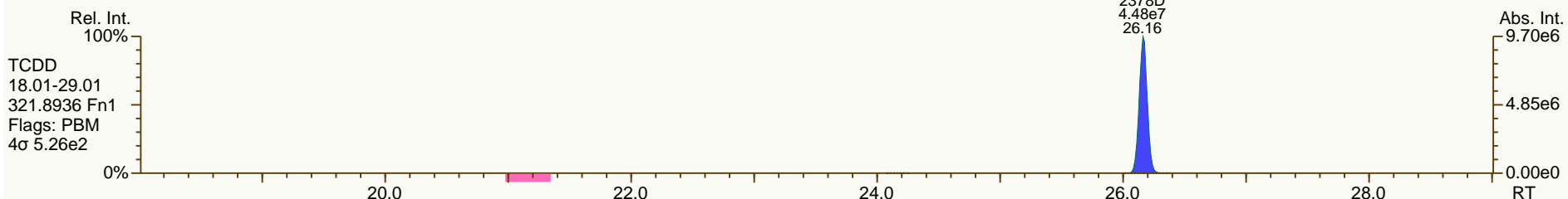
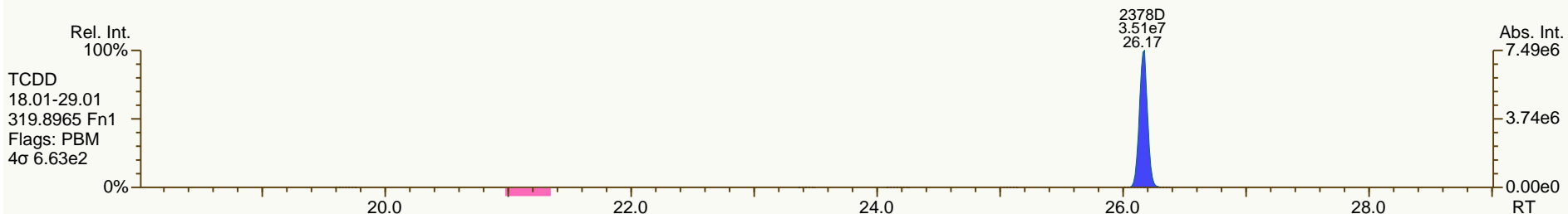
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

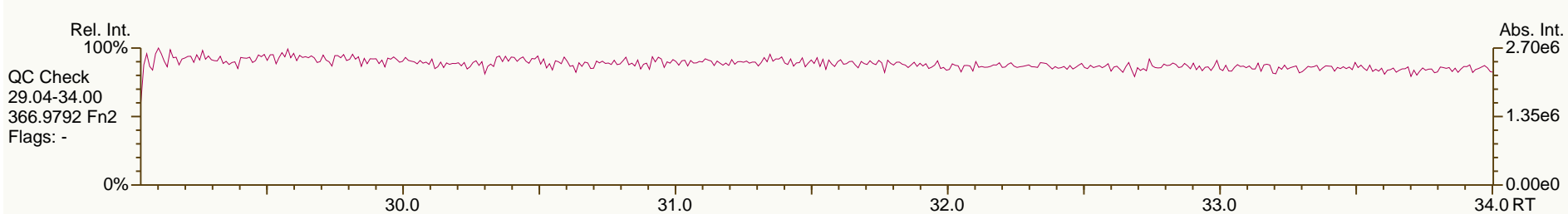
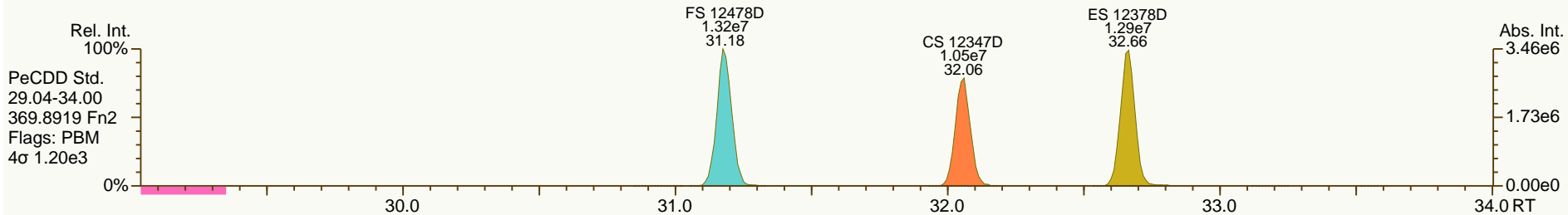
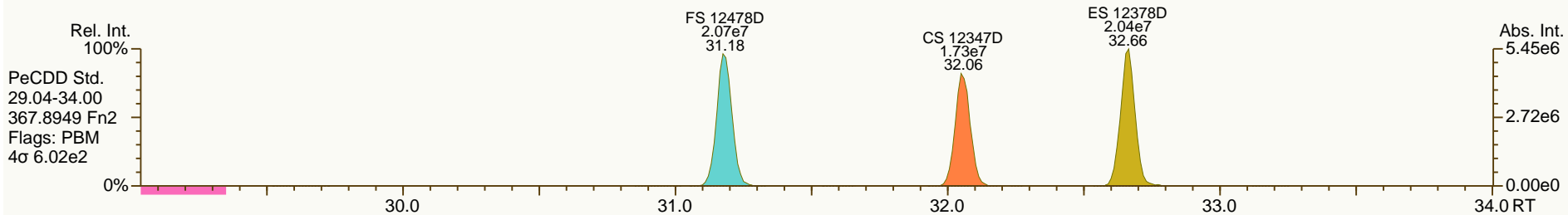
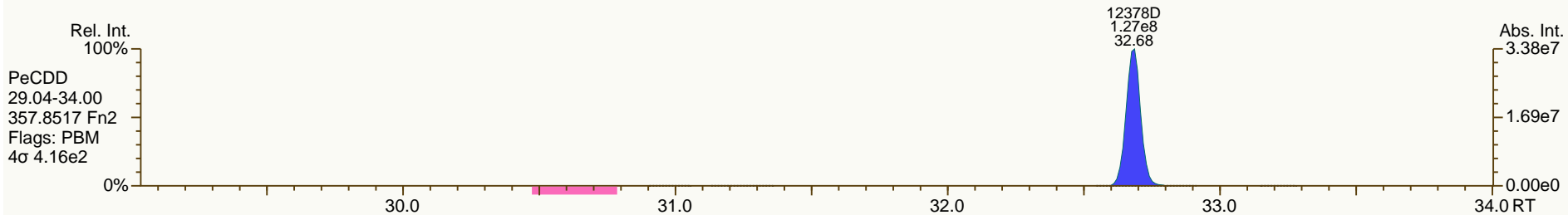
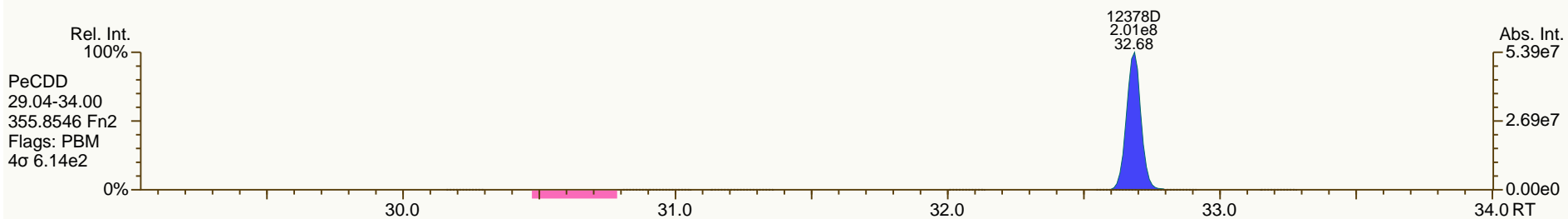
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

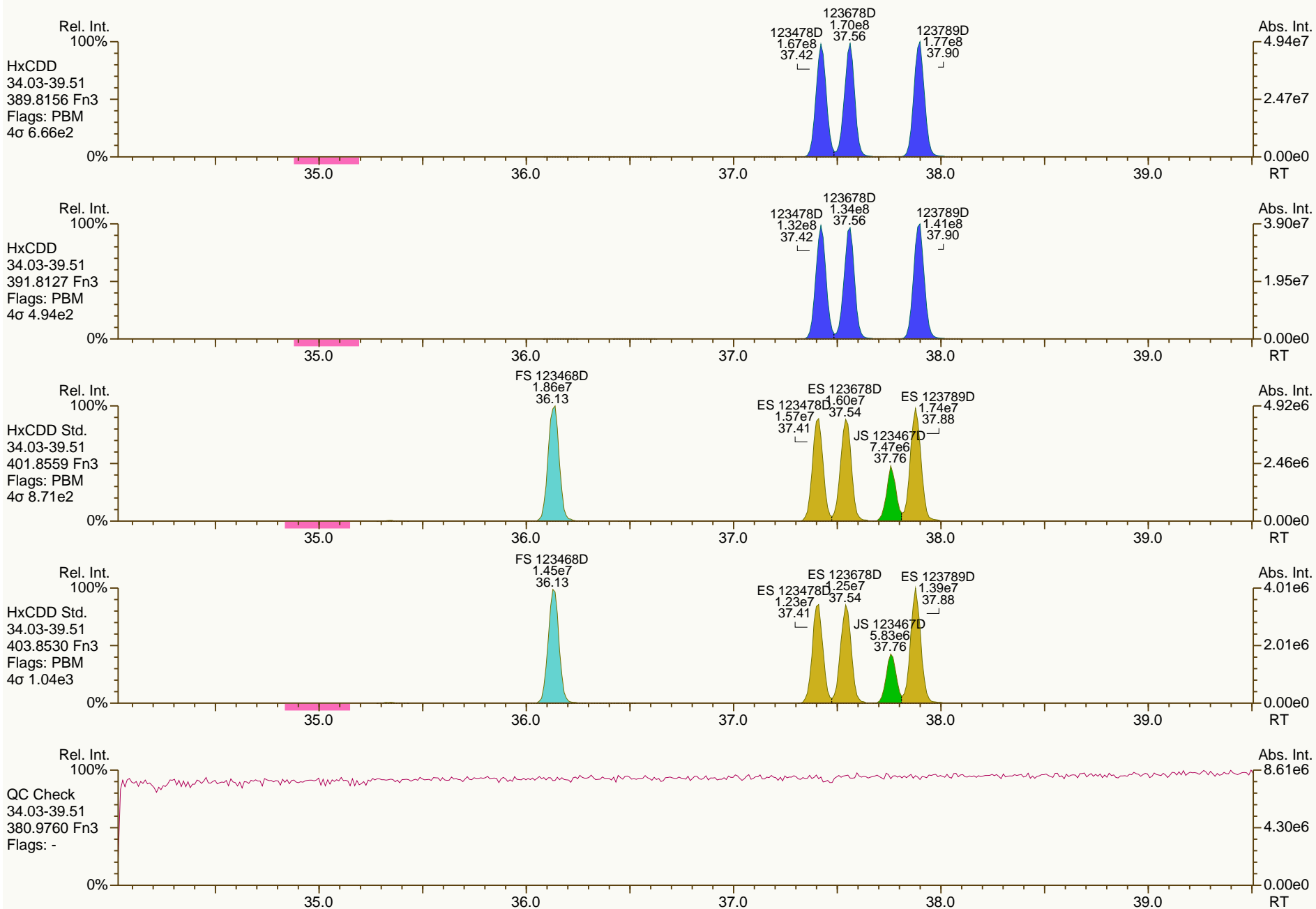
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

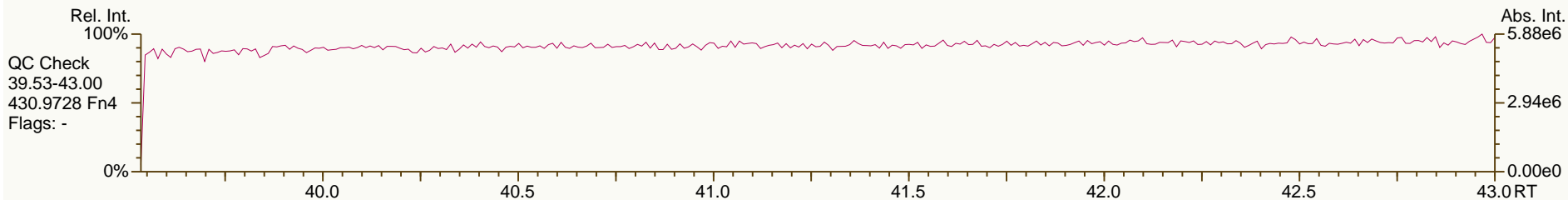
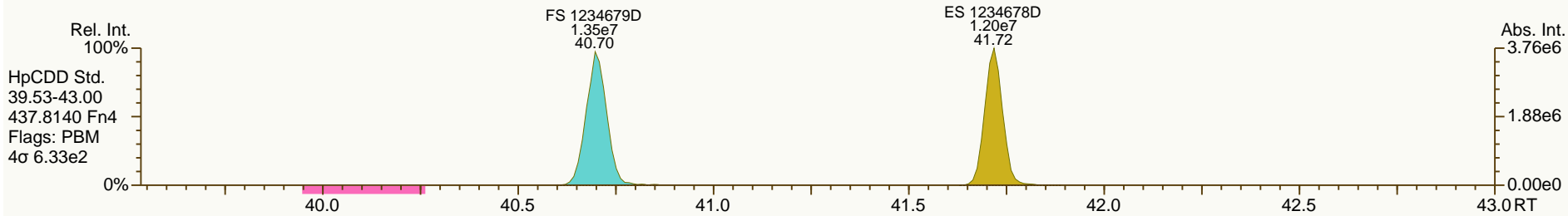
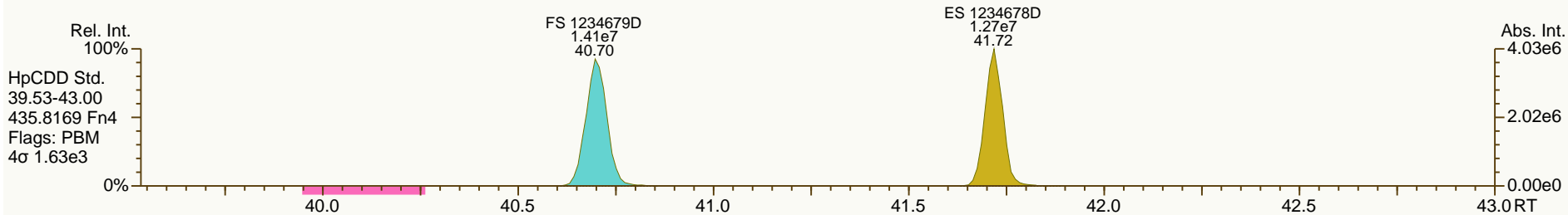
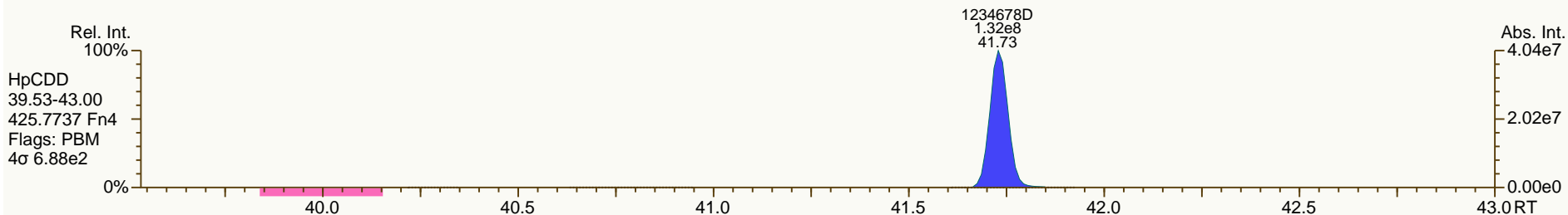
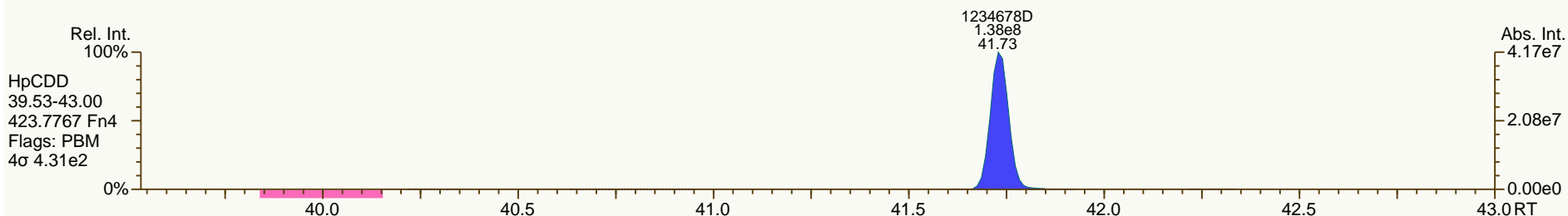
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

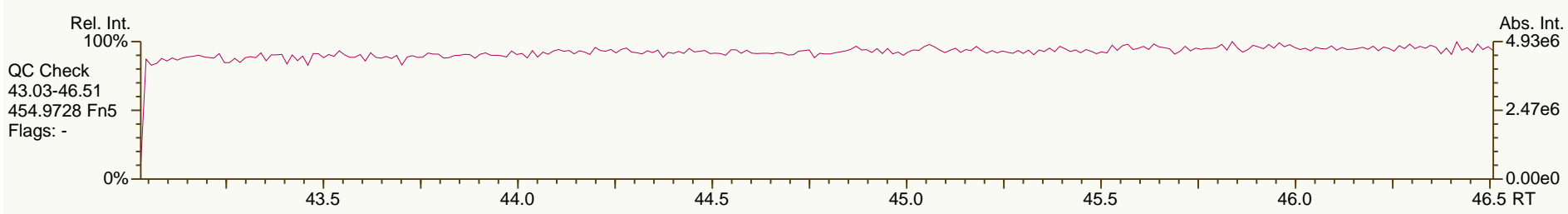
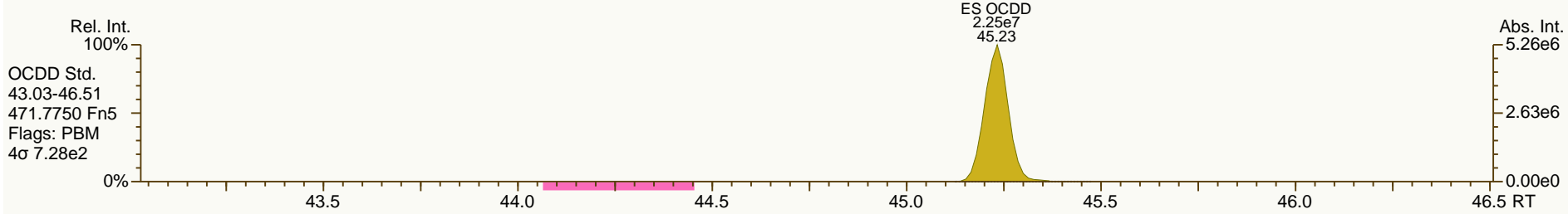
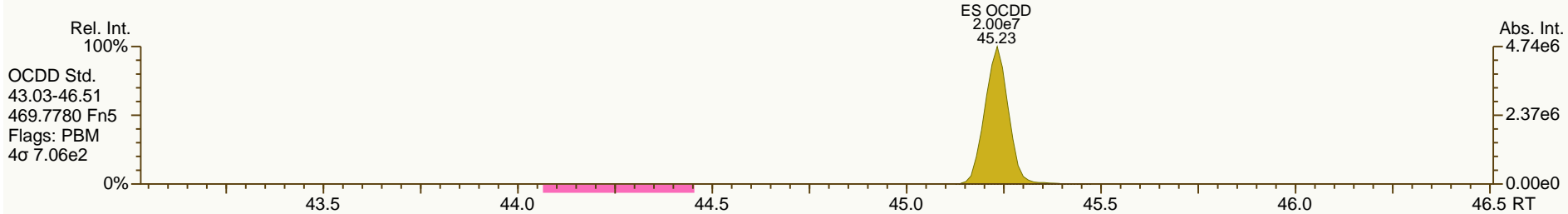
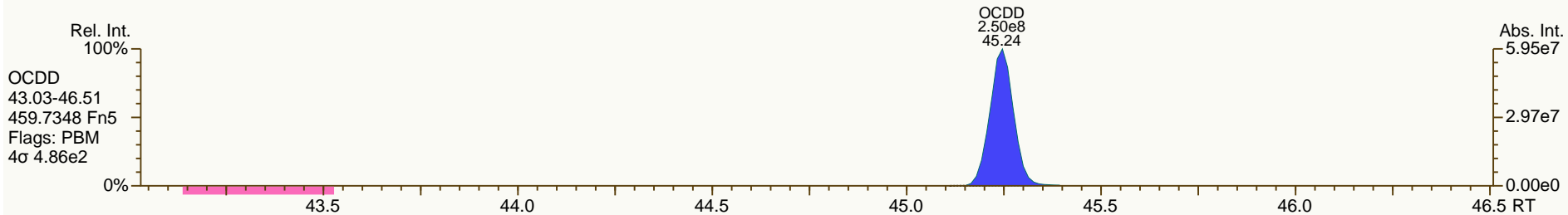
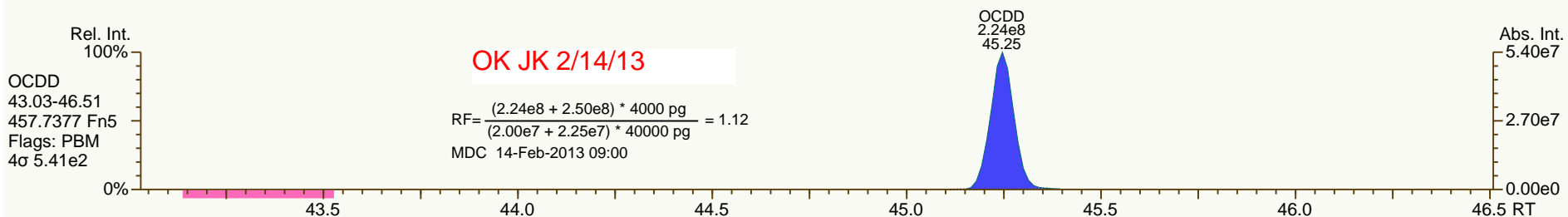
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
 User: MDC Datafile: 130213P2-07



SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

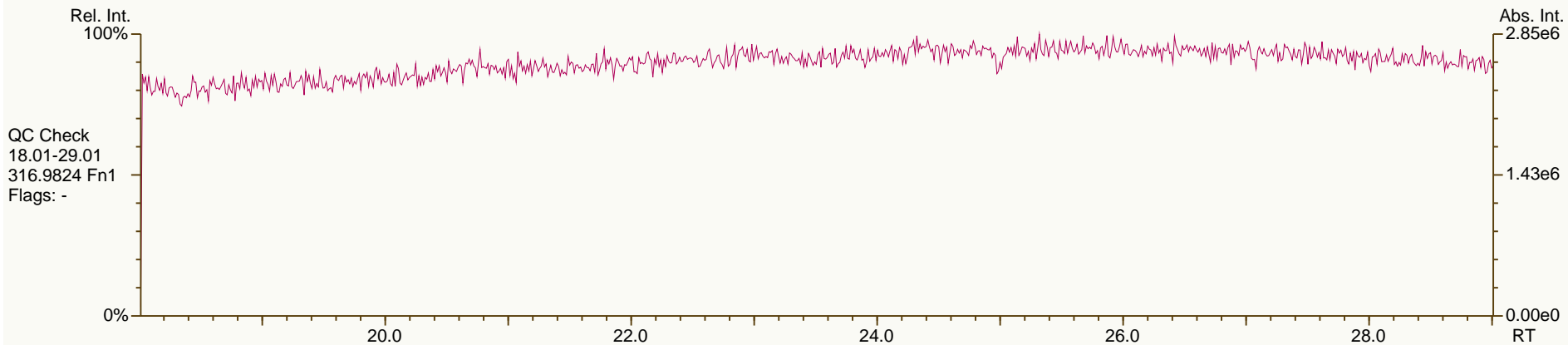
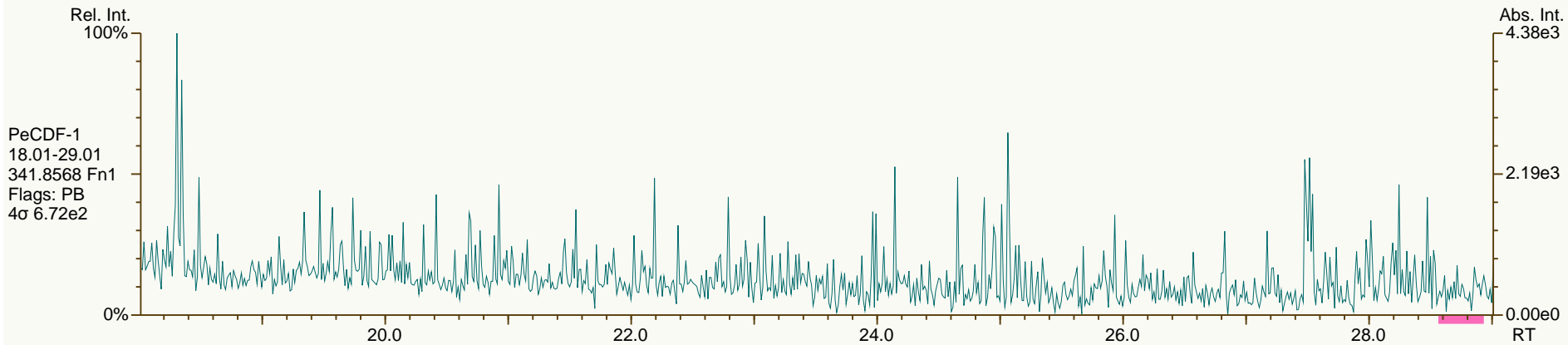
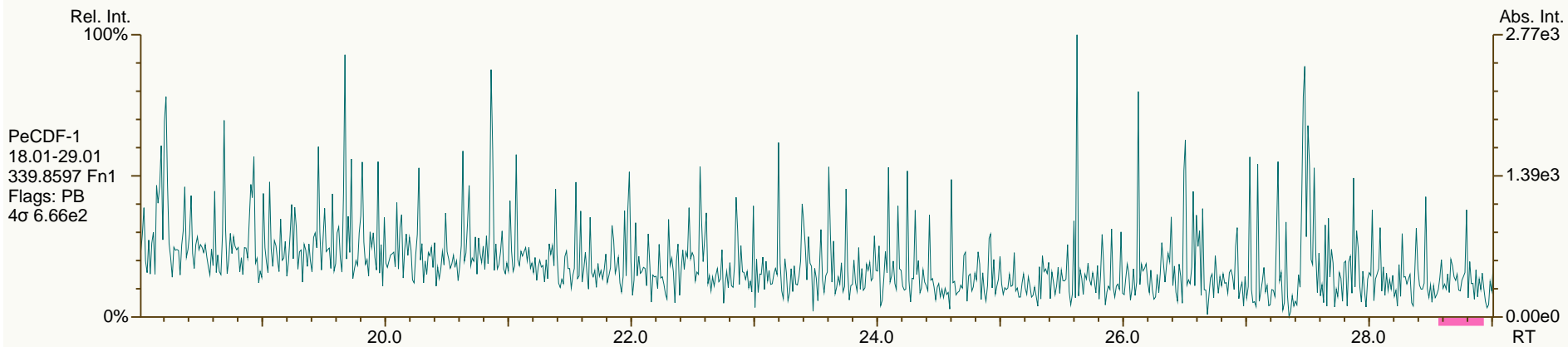
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

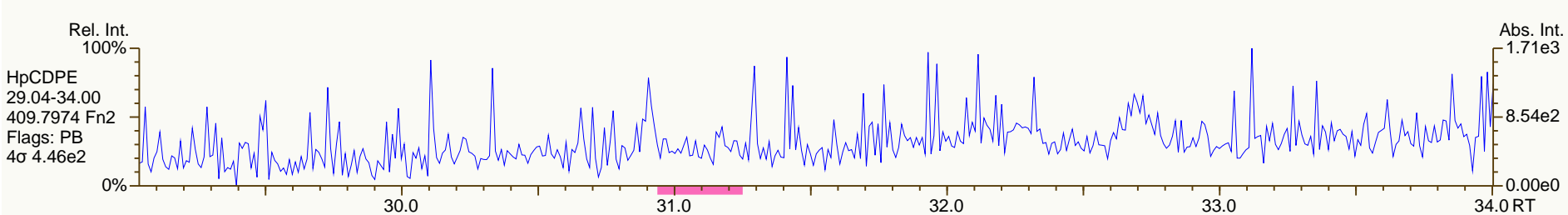
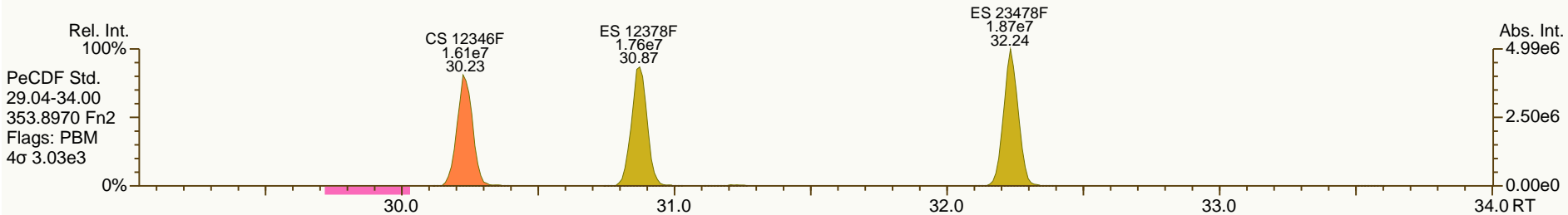
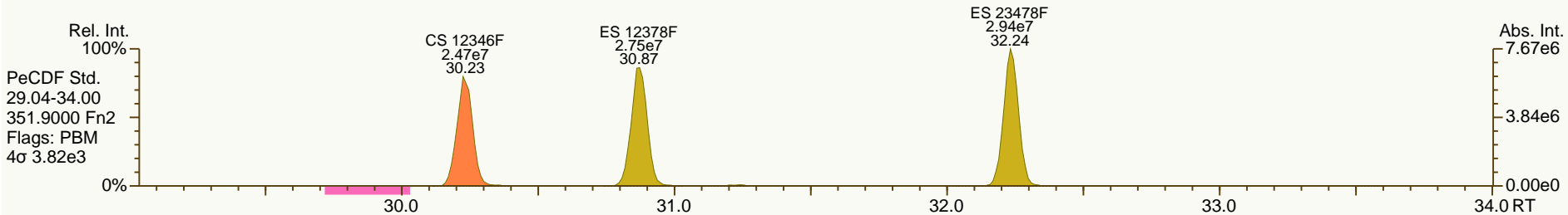
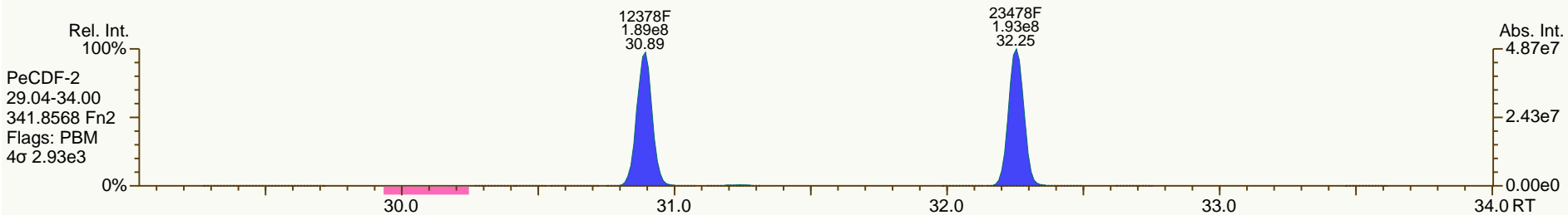
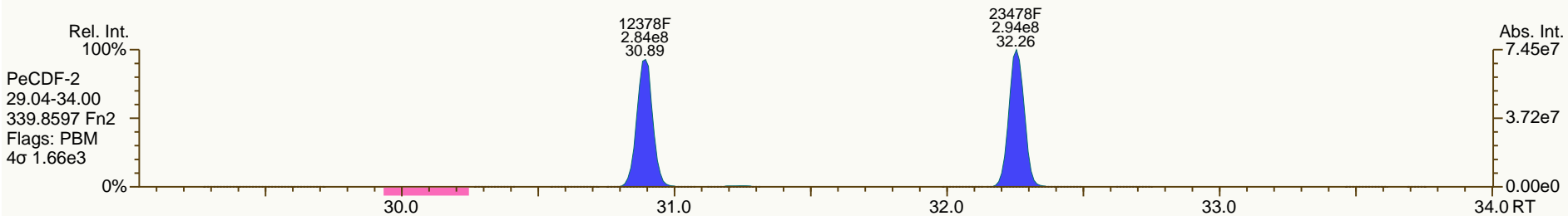
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

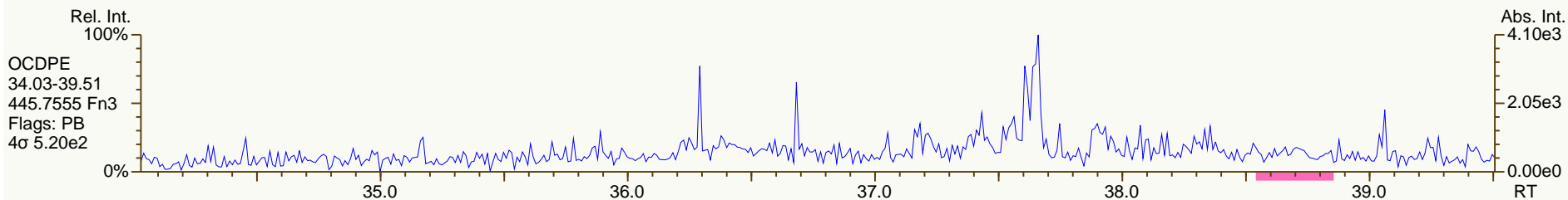
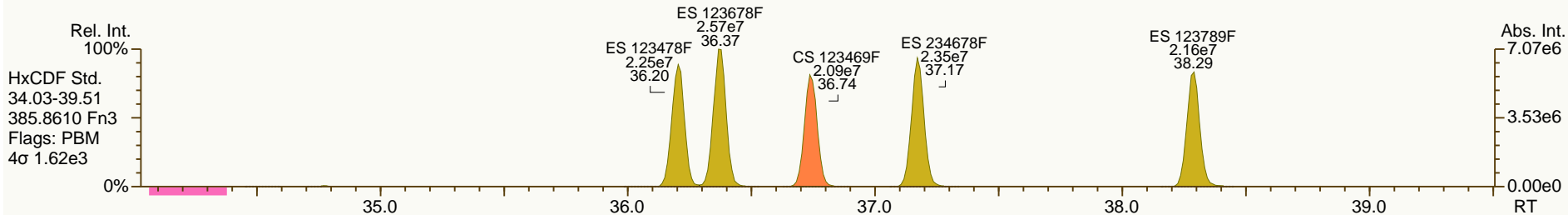
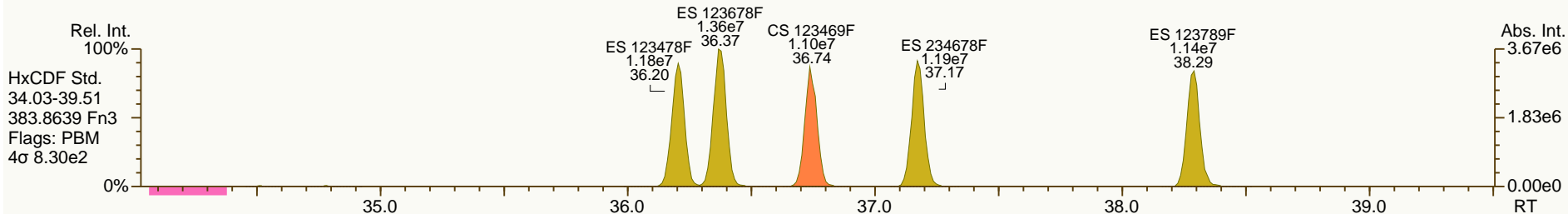
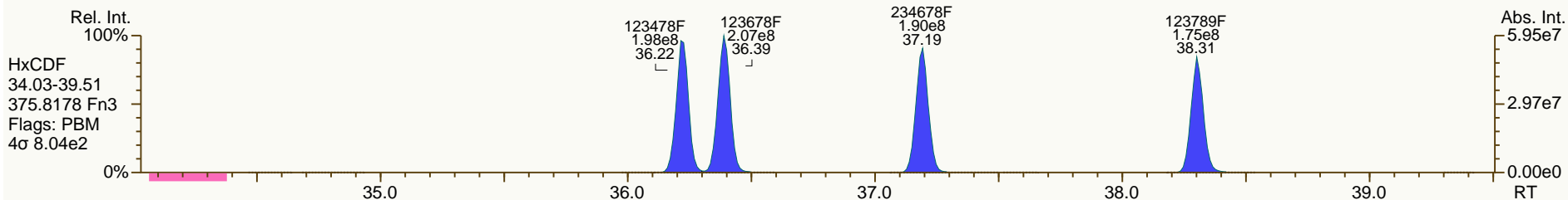
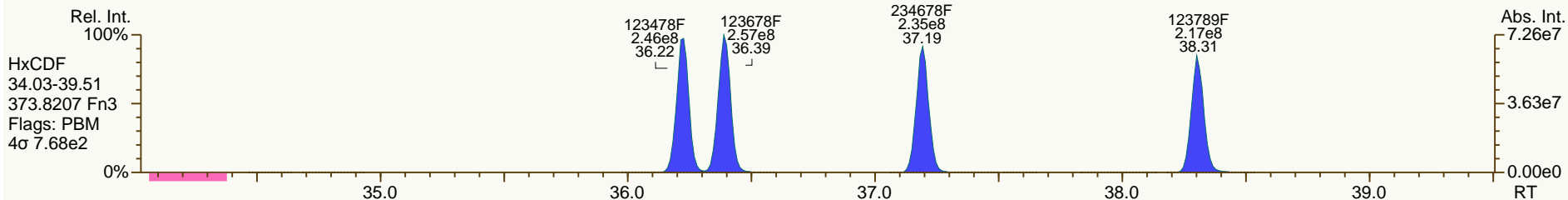
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

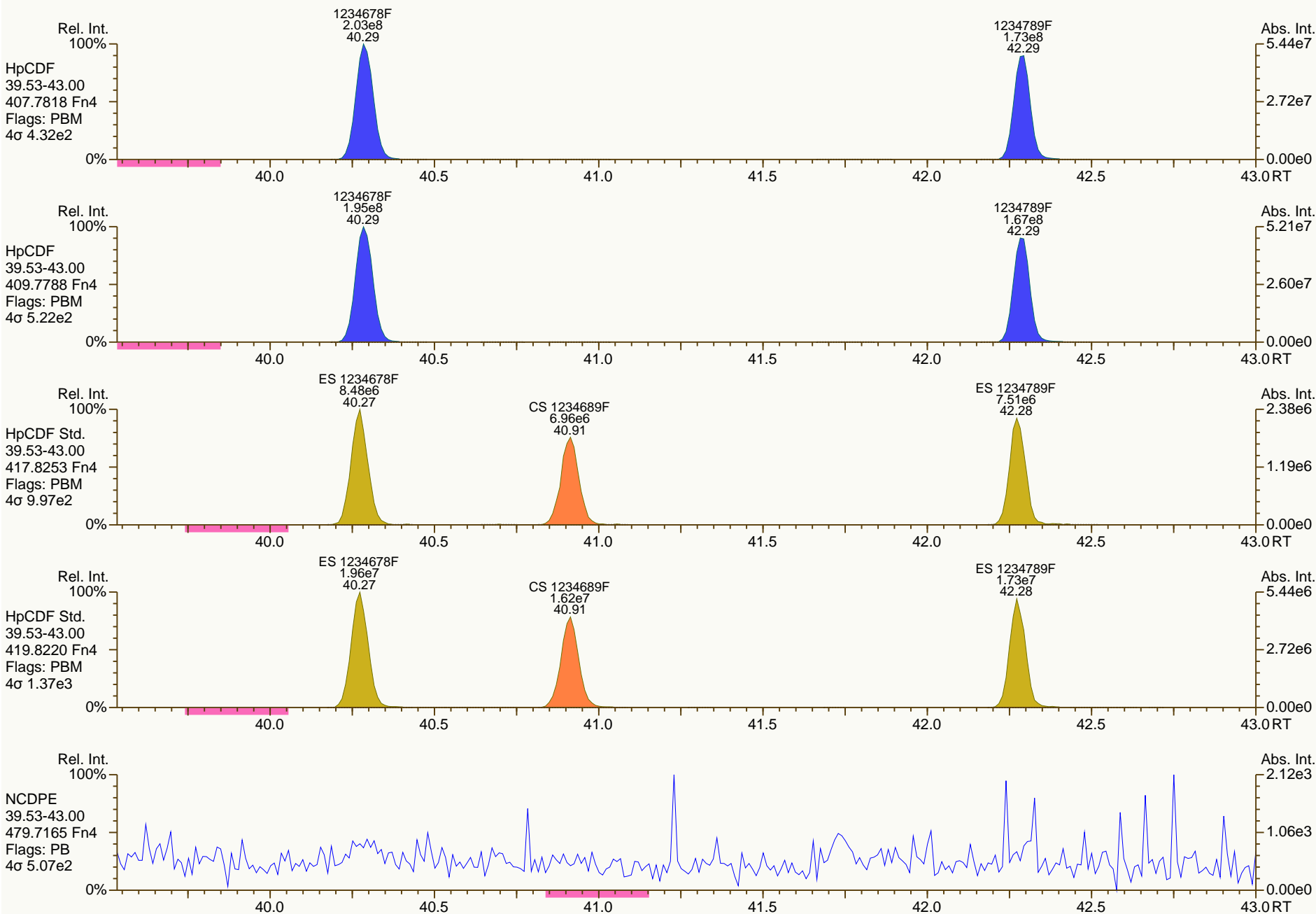
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

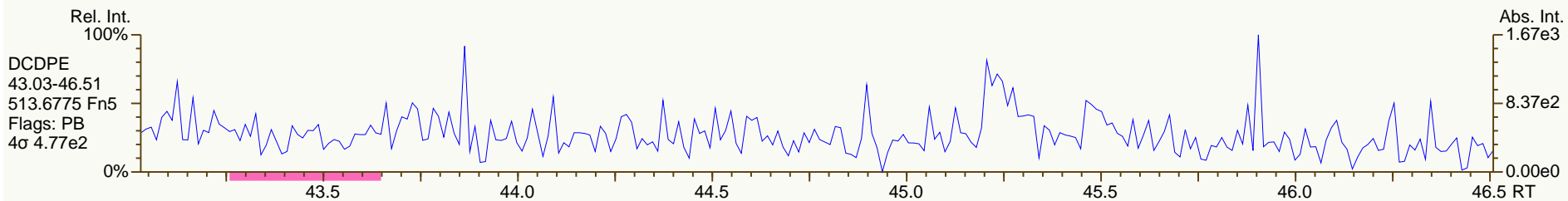
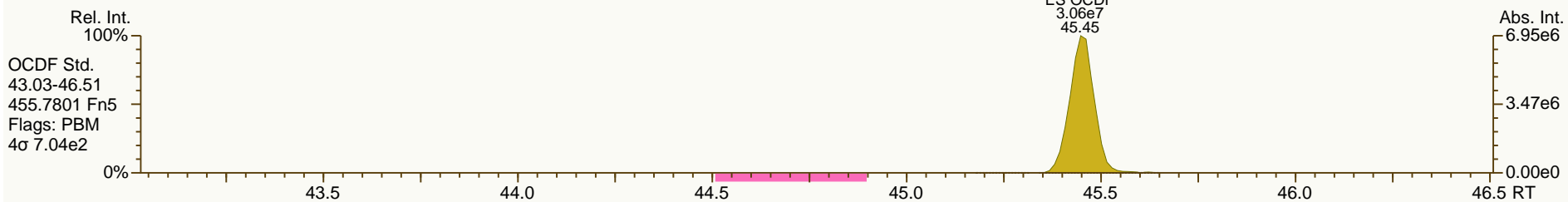
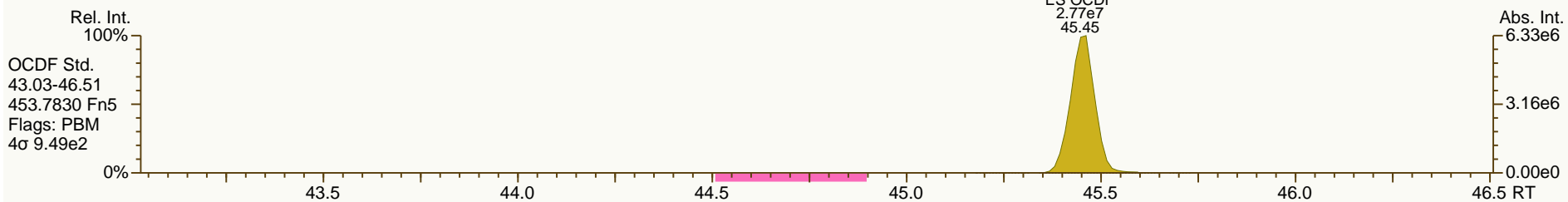
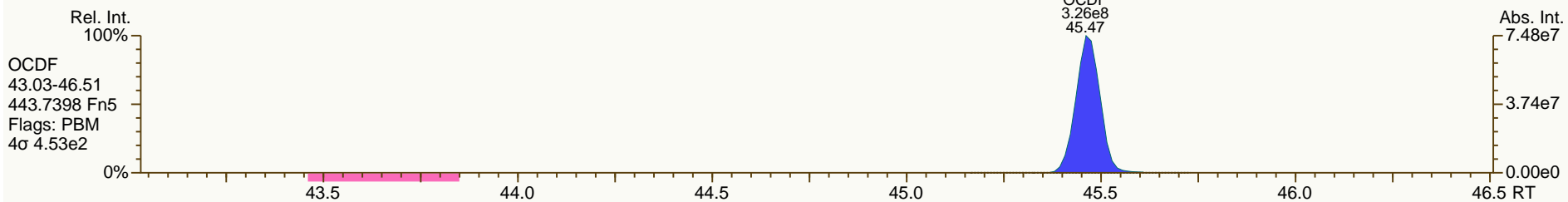
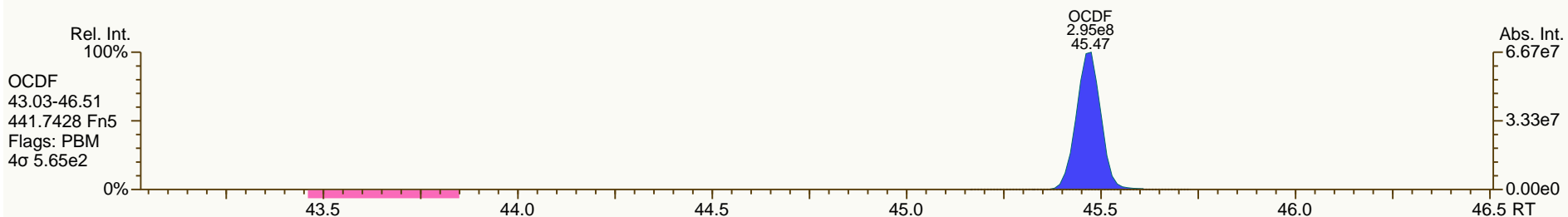
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
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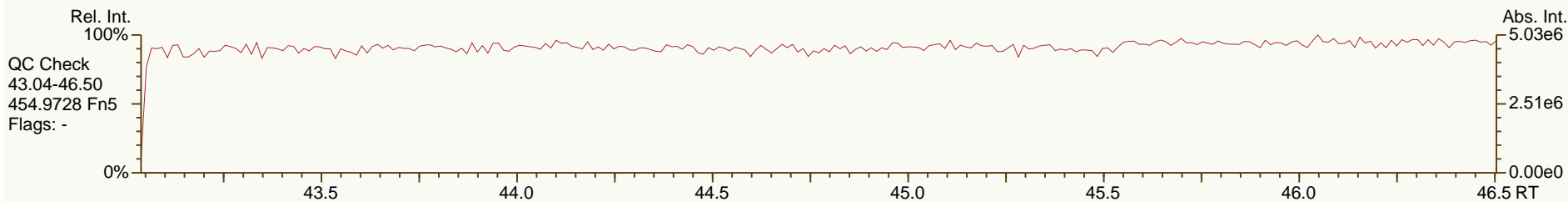
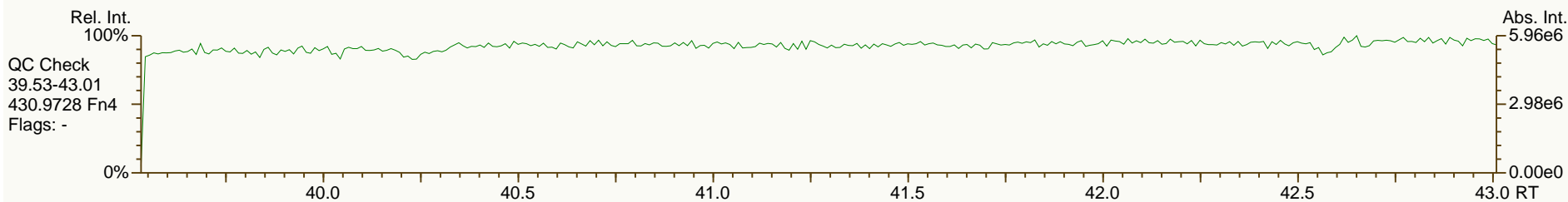
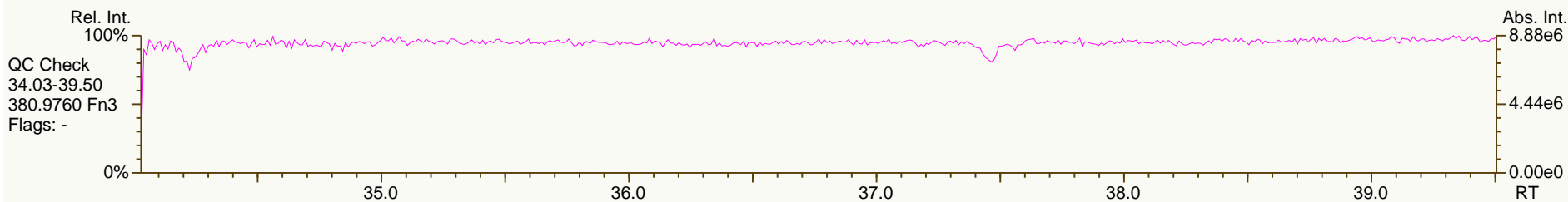
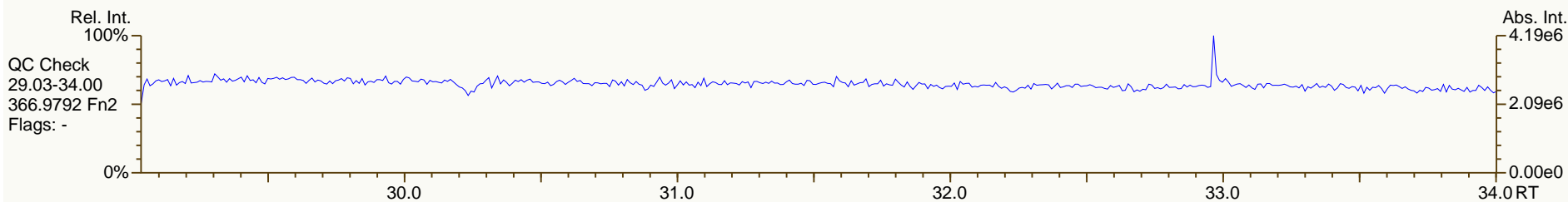
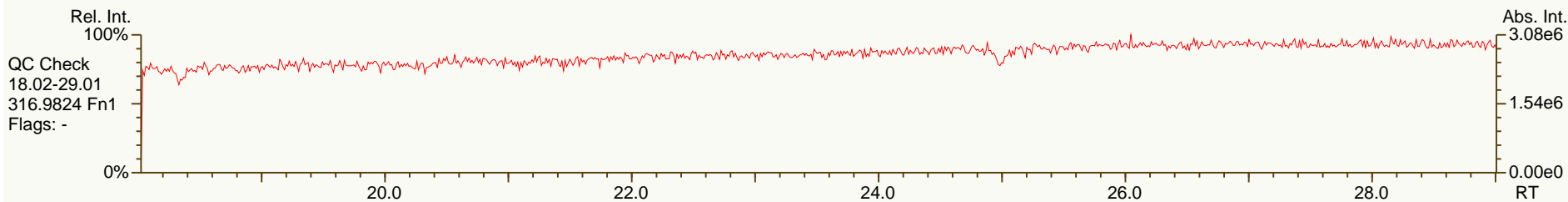
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
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Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
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2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

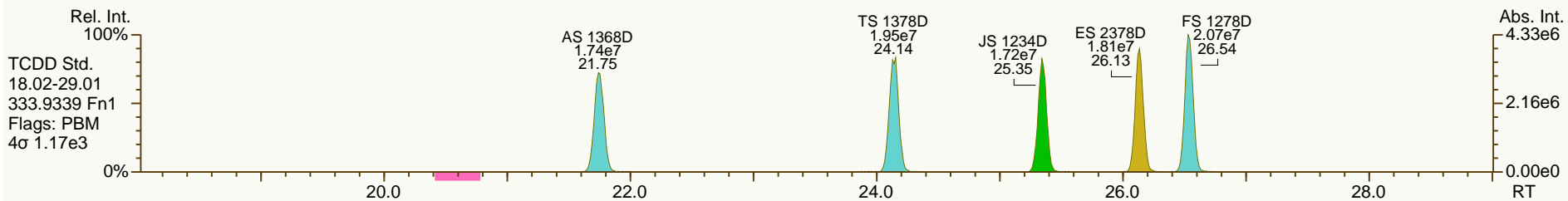
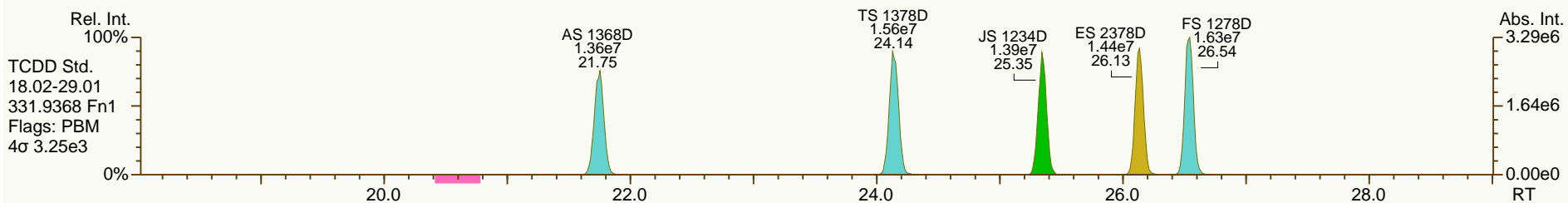
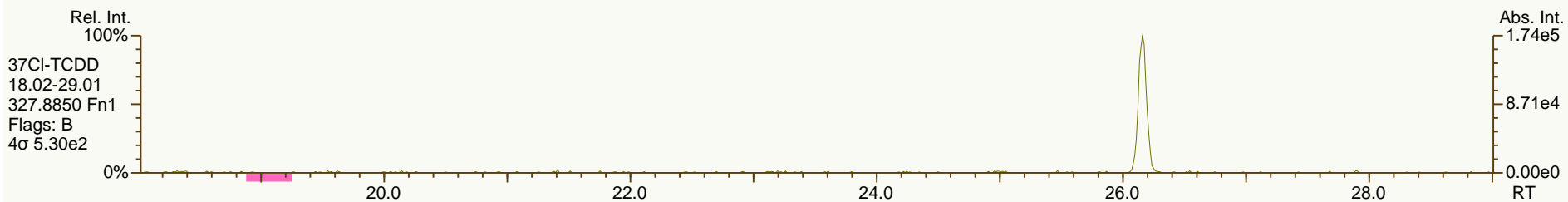
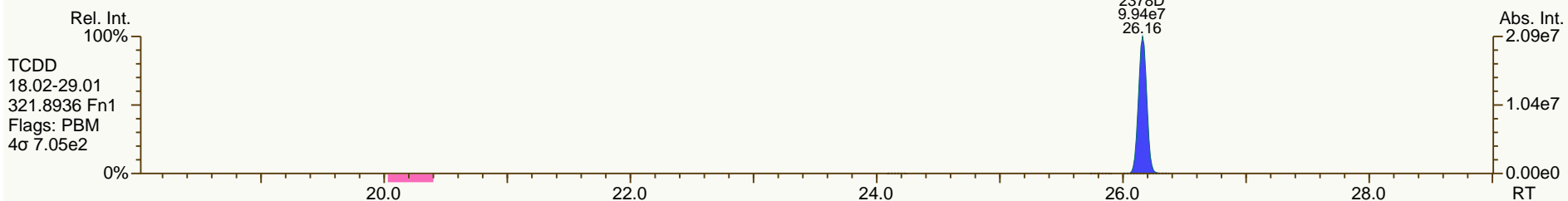
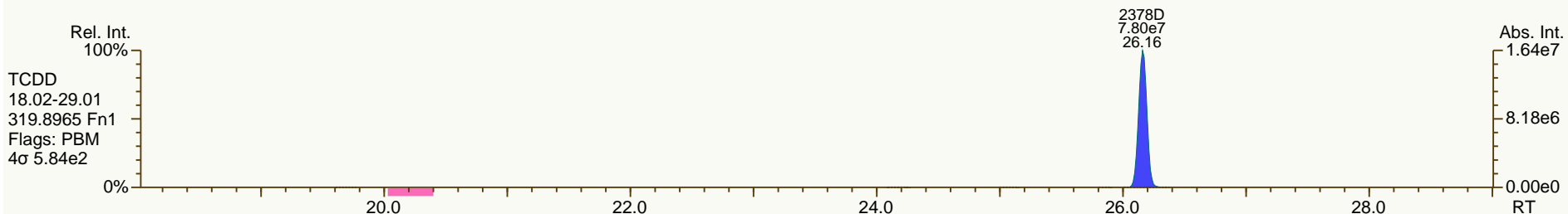
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

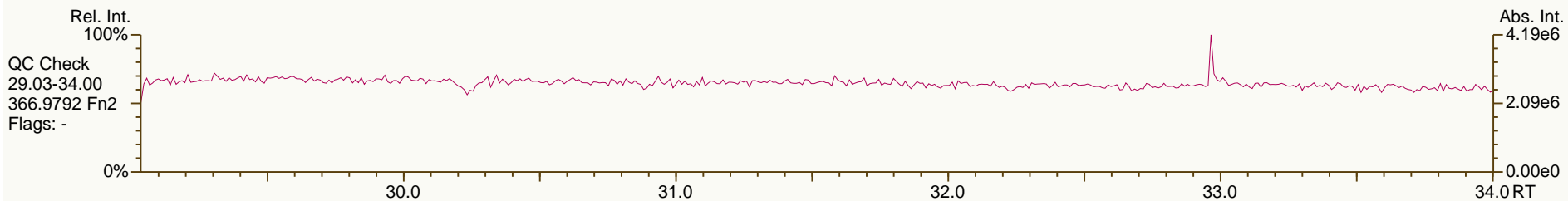
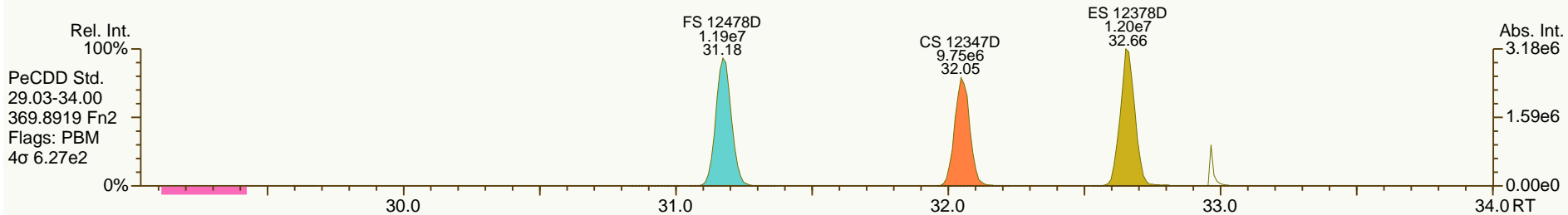
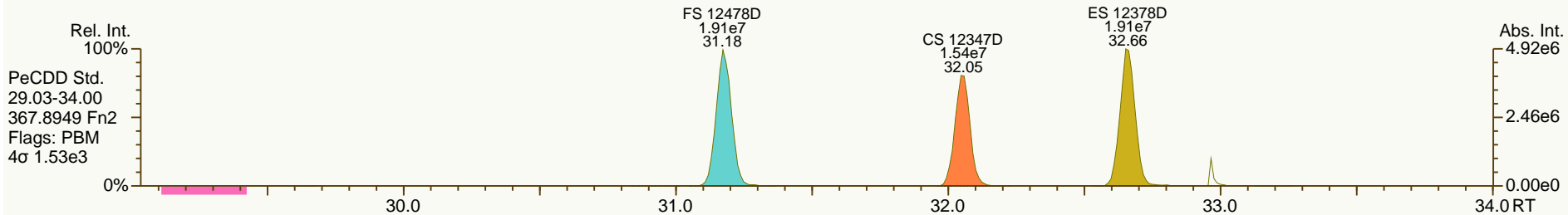
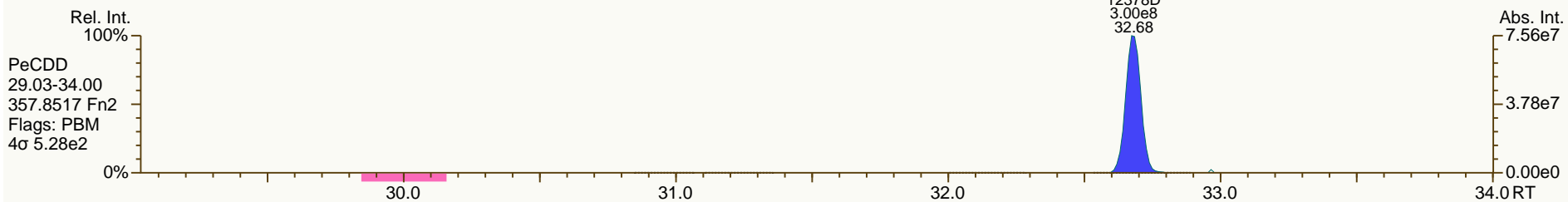
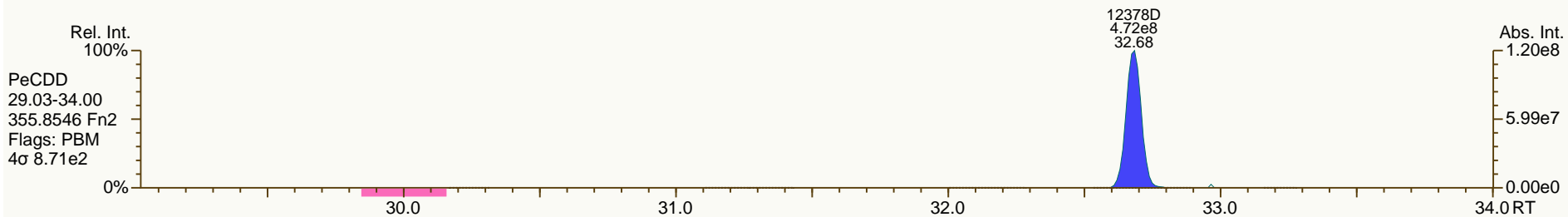
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

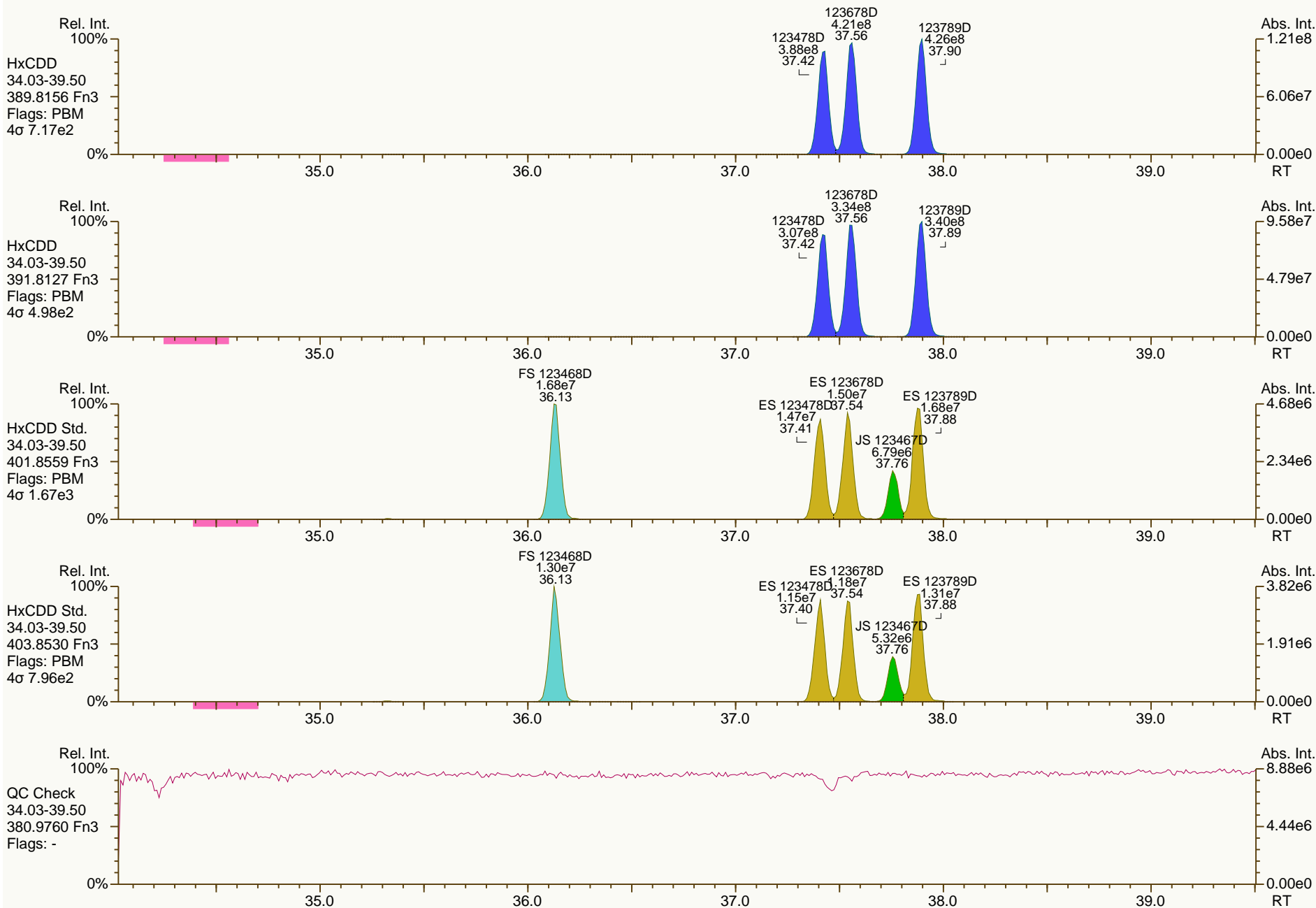
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

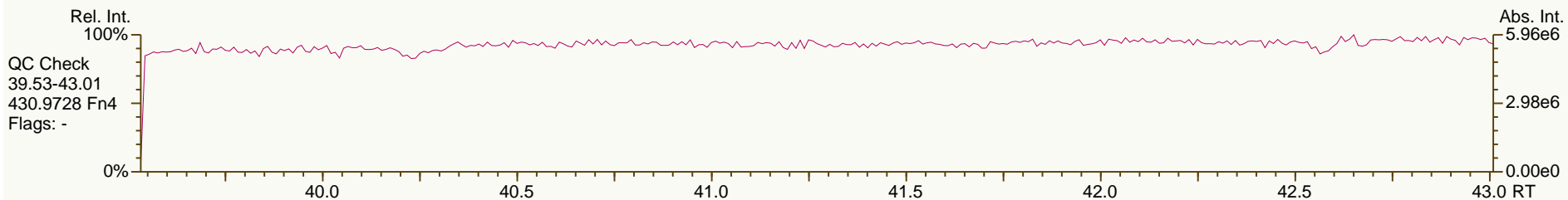
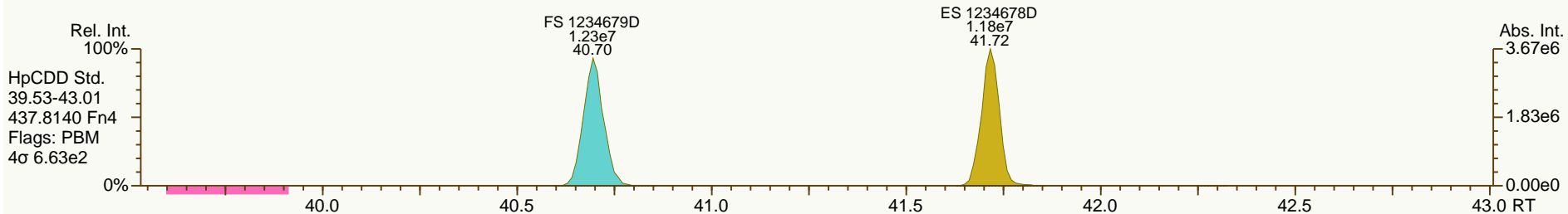
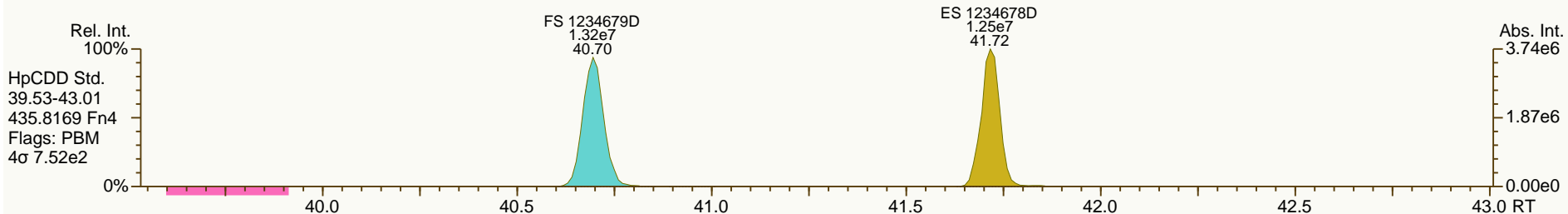
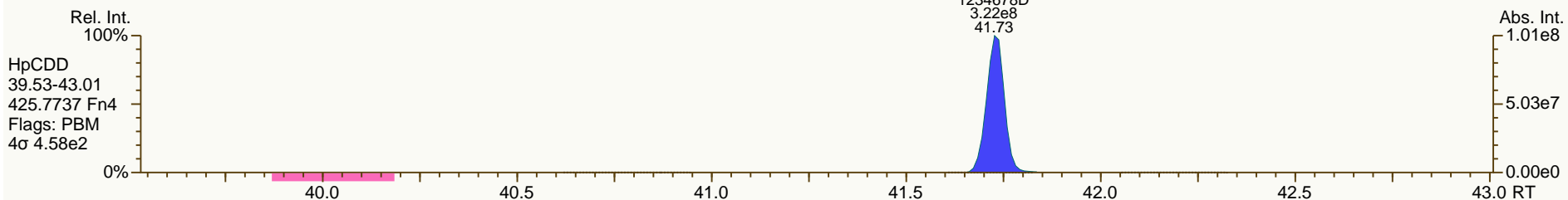
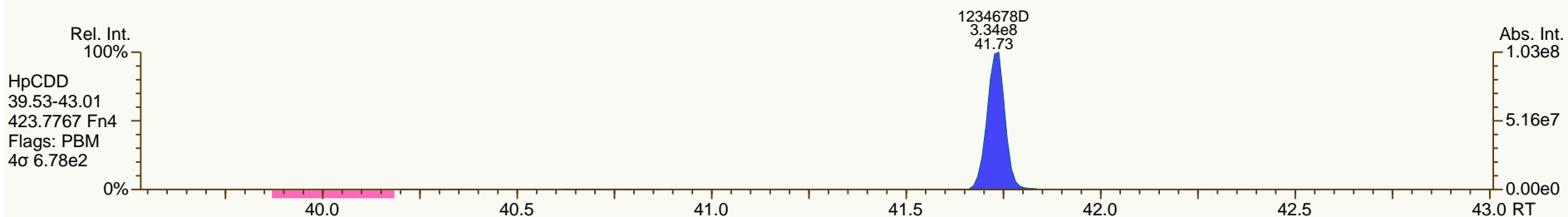
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

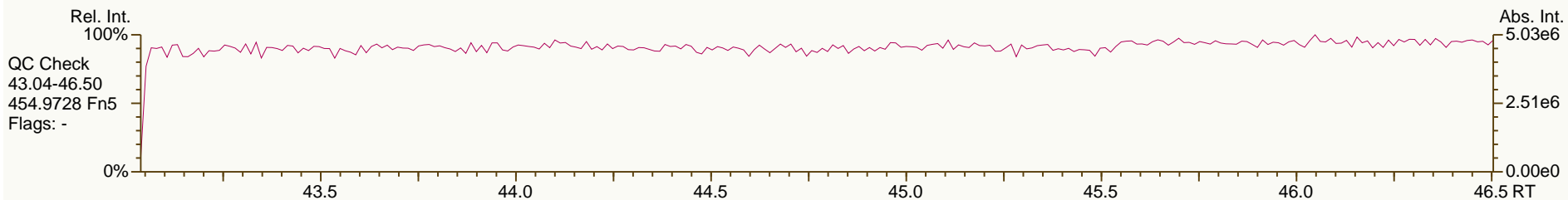
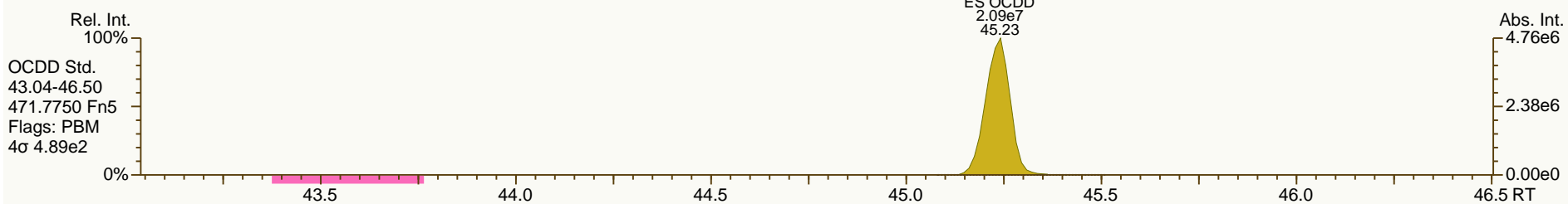
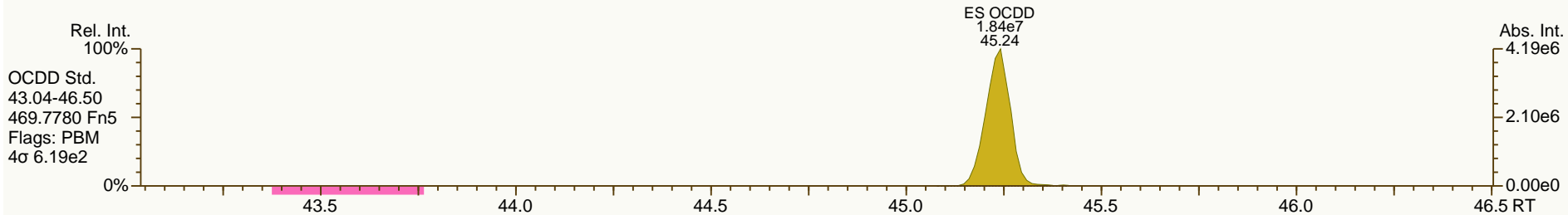
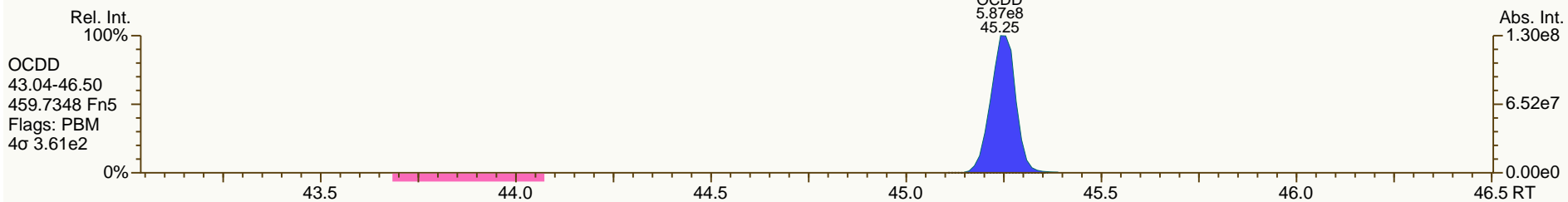
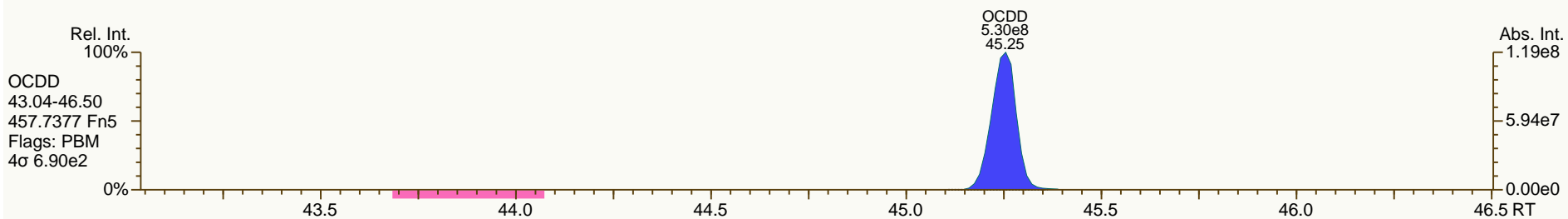
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

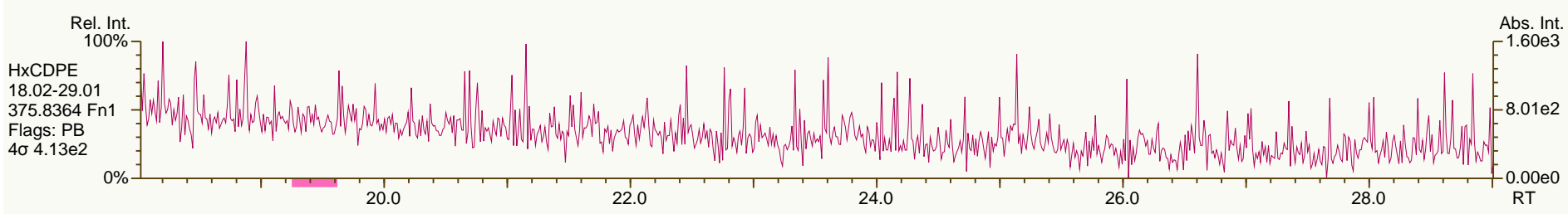
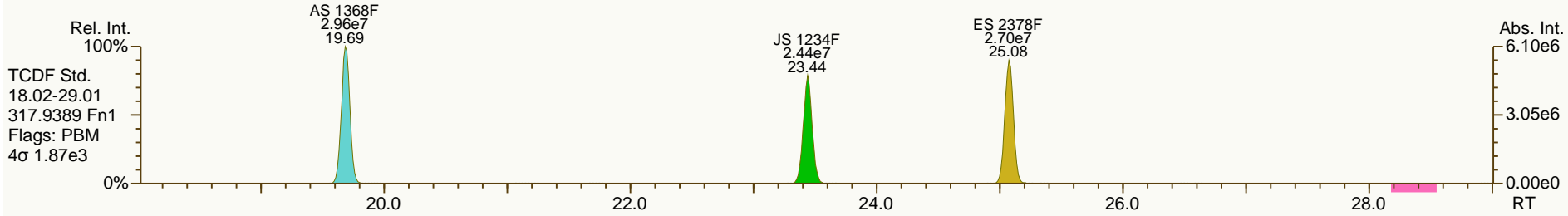
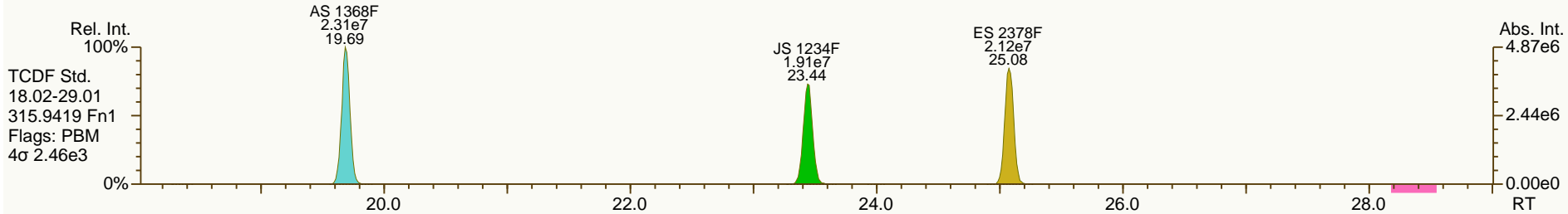
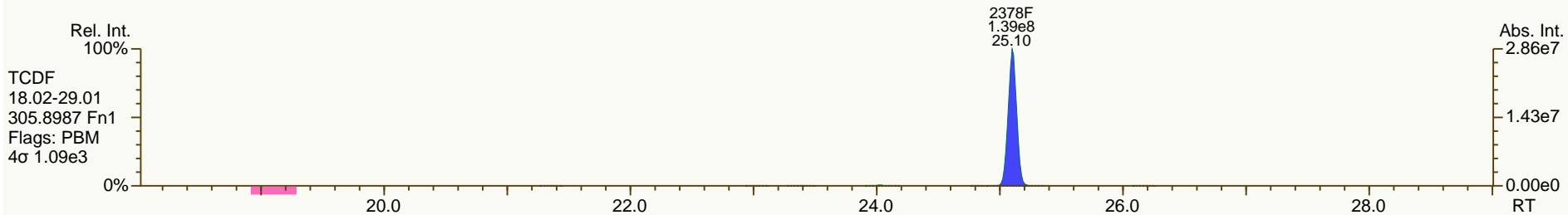
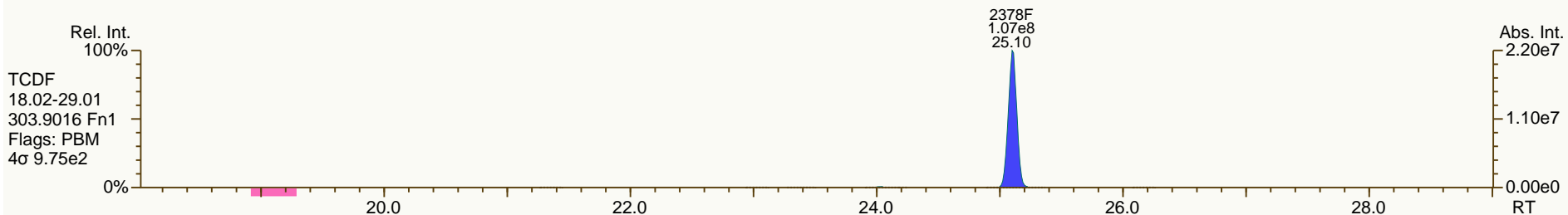
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

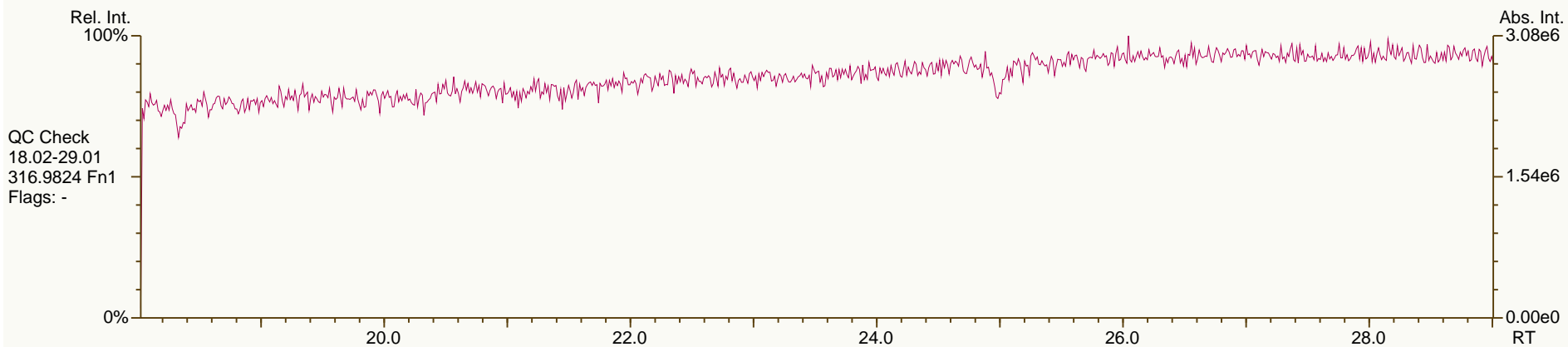
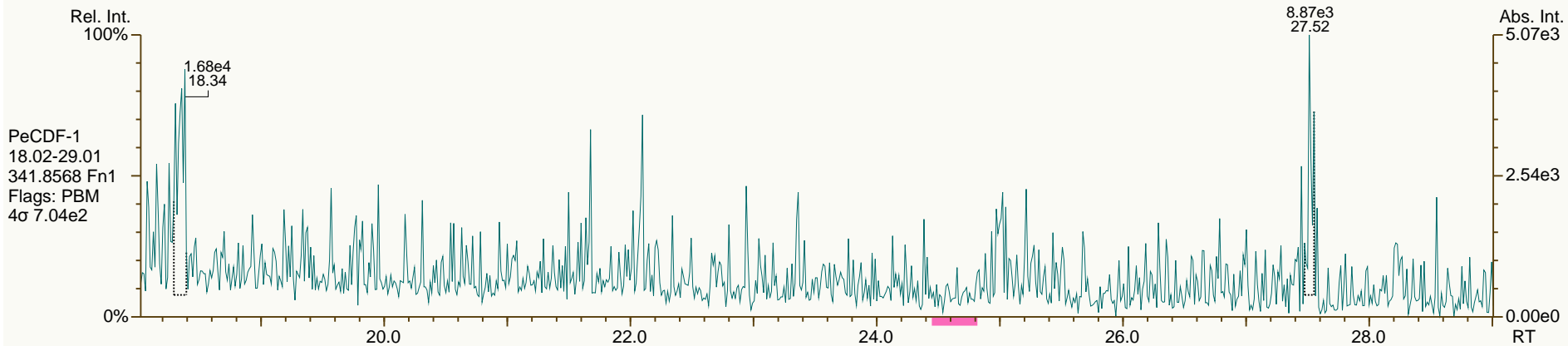
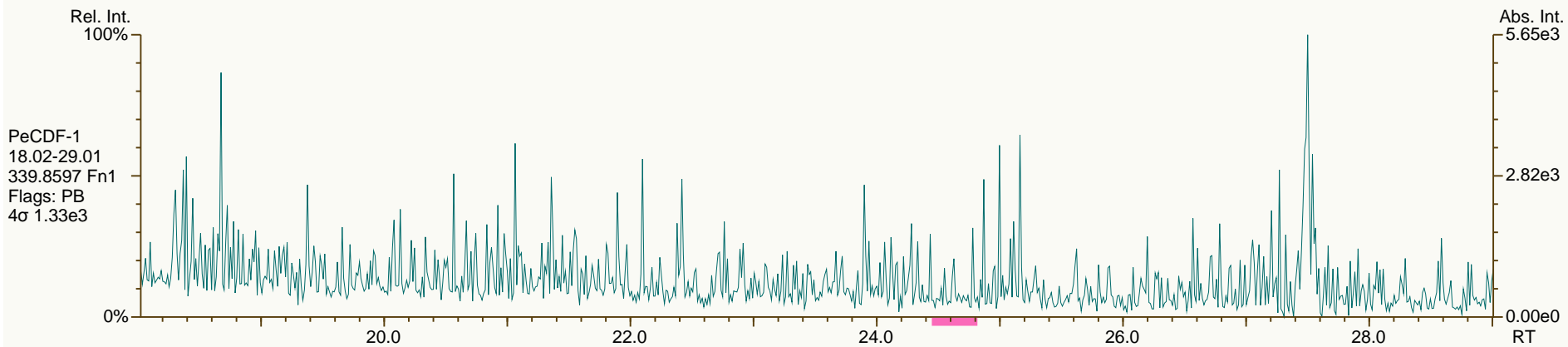
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SGS-AP ID: CS6
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

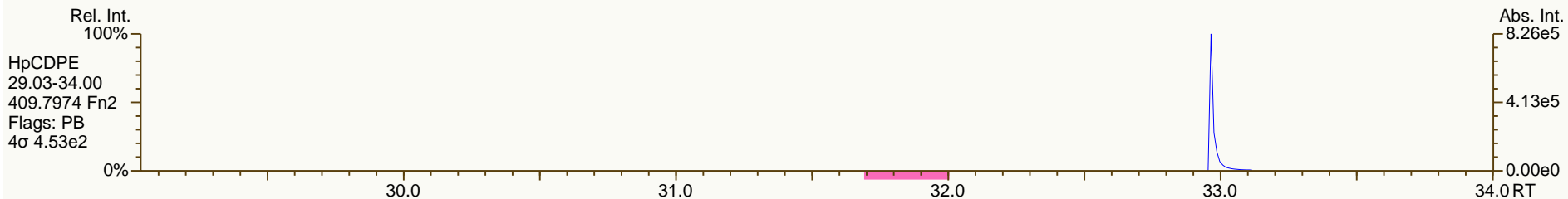
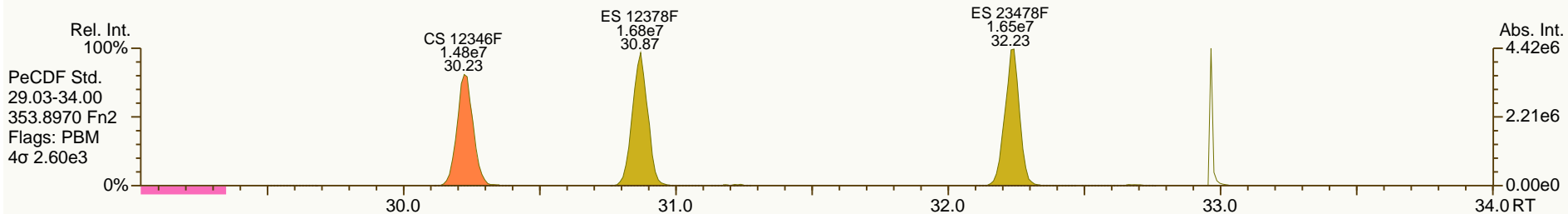
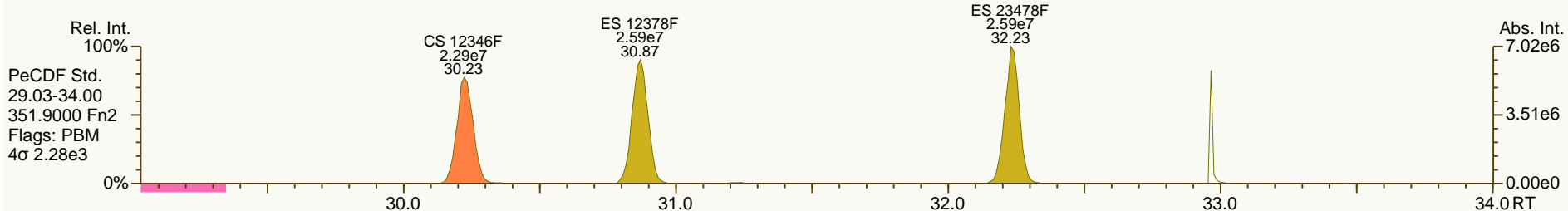
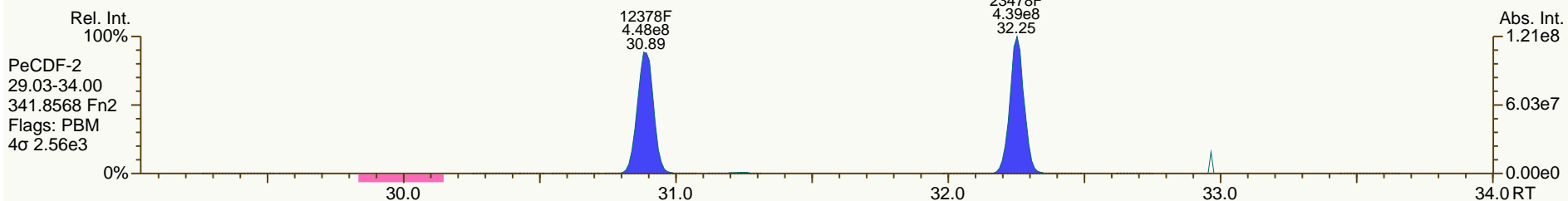
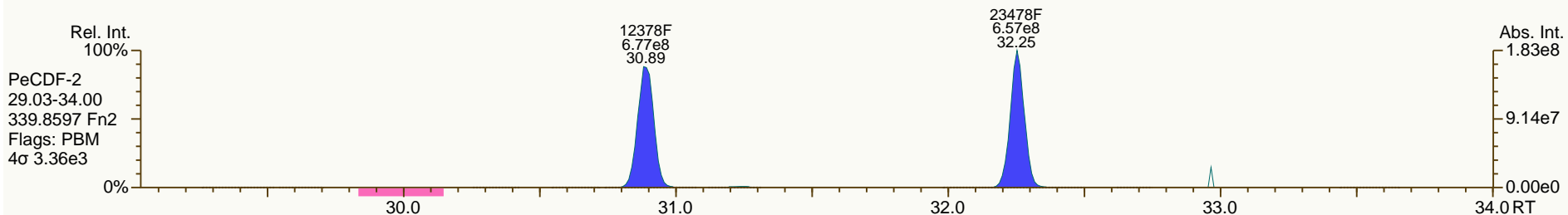
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

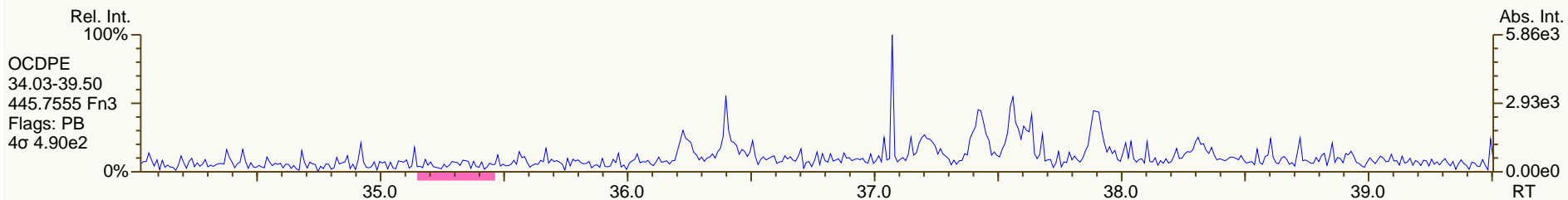
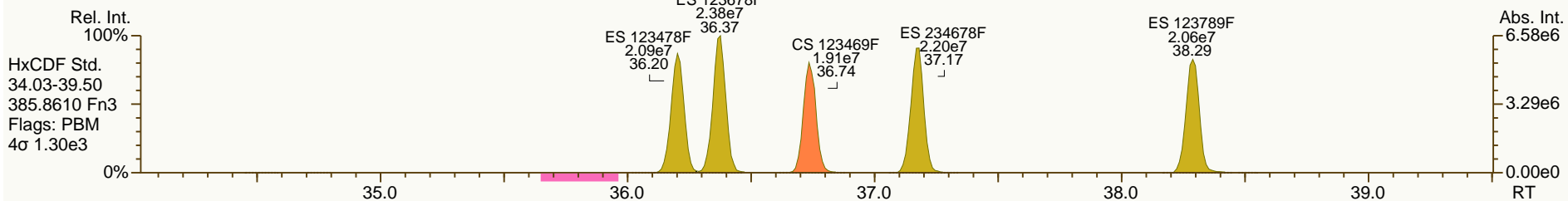
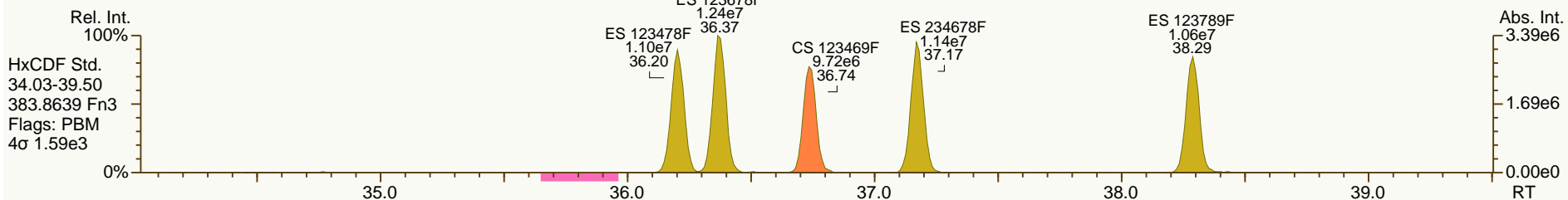
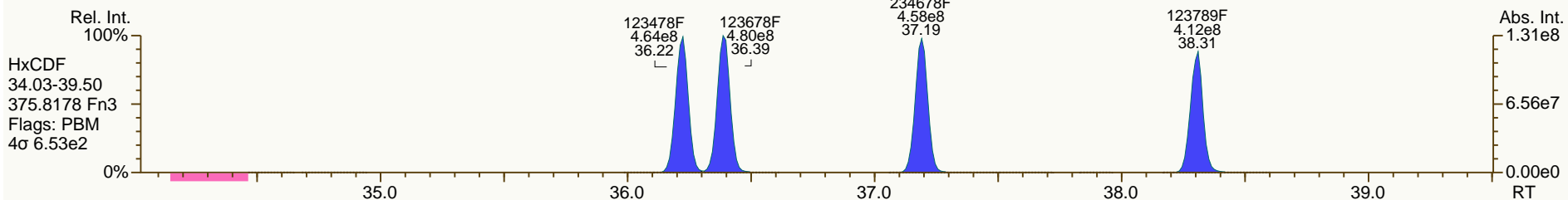
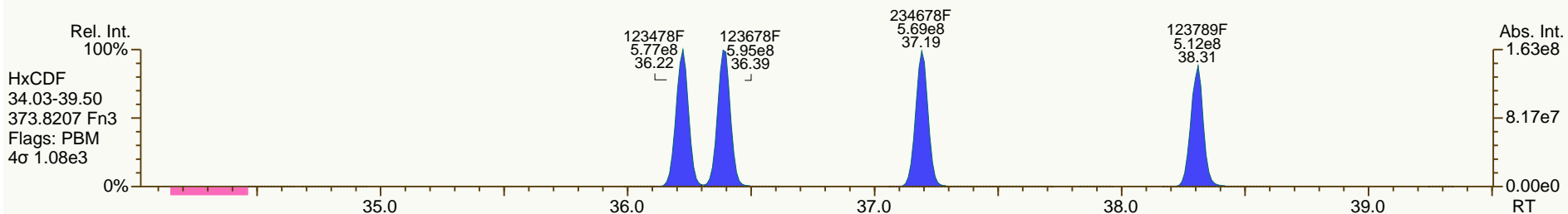
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

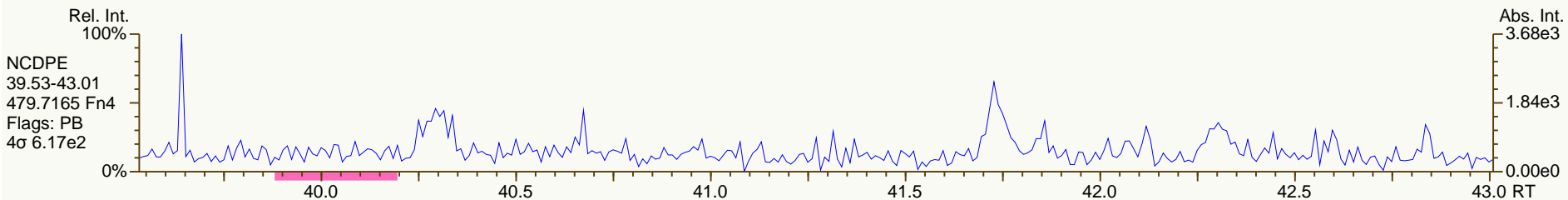
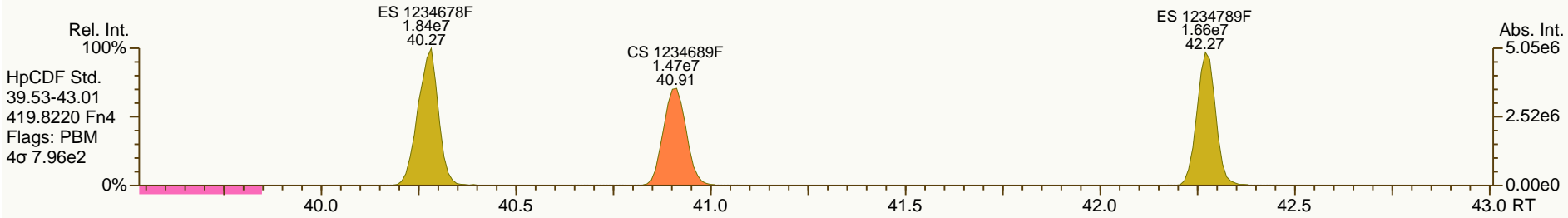
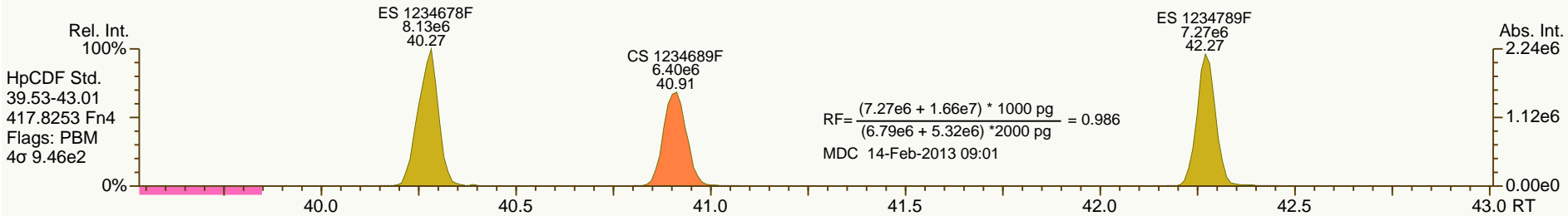
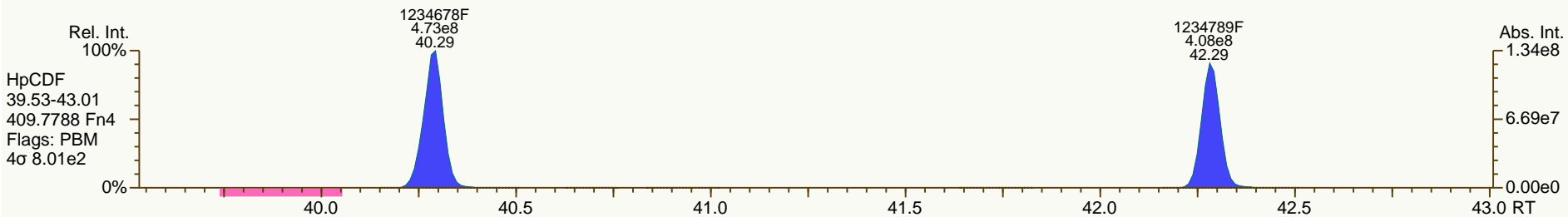
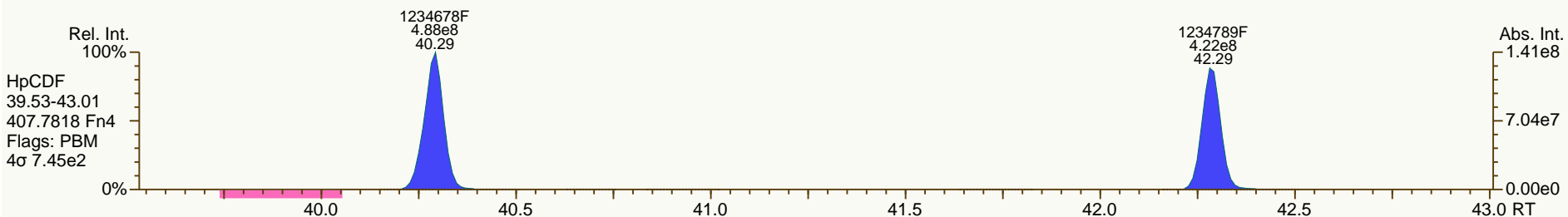
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

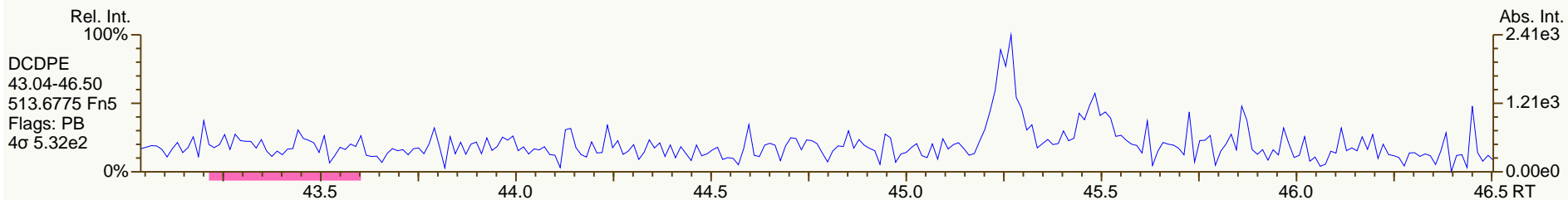
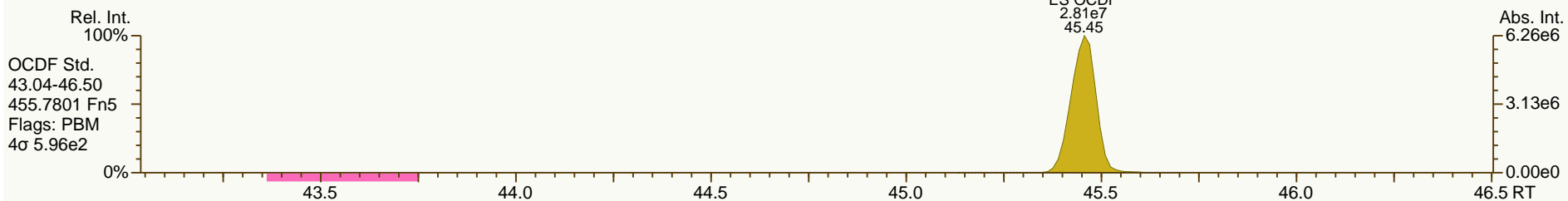
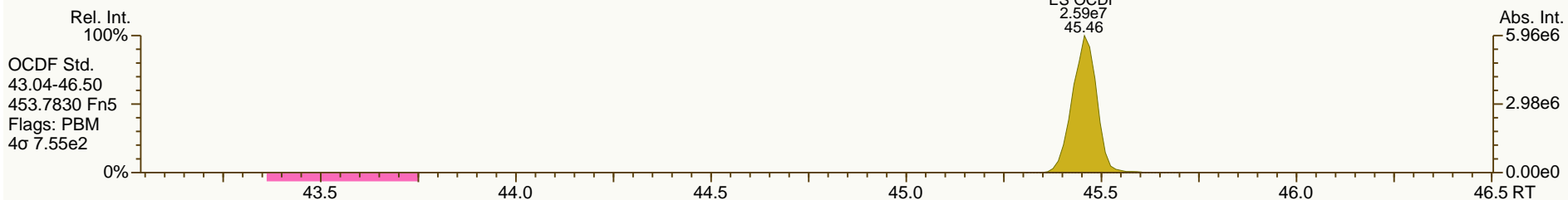
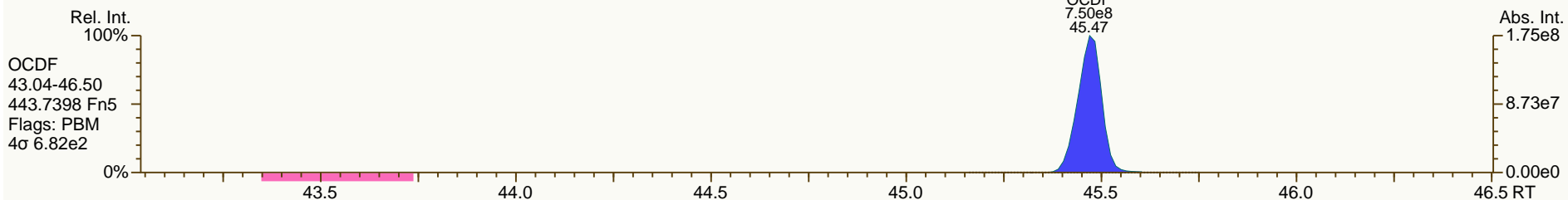
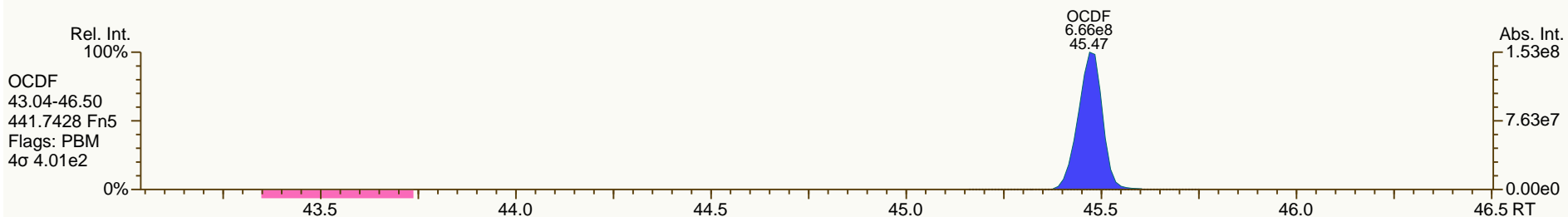
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

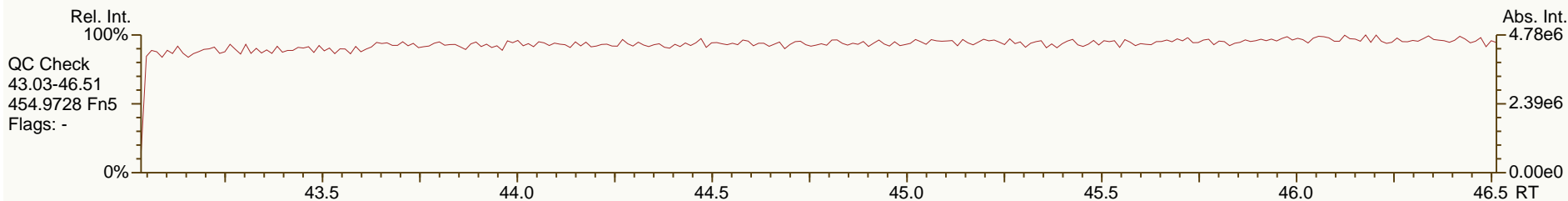
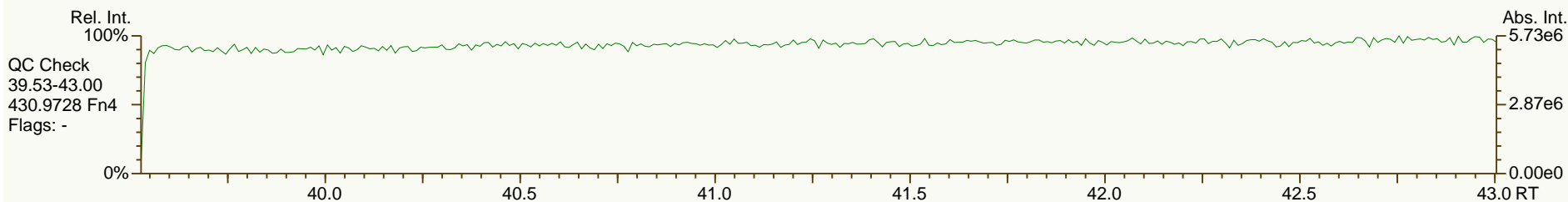
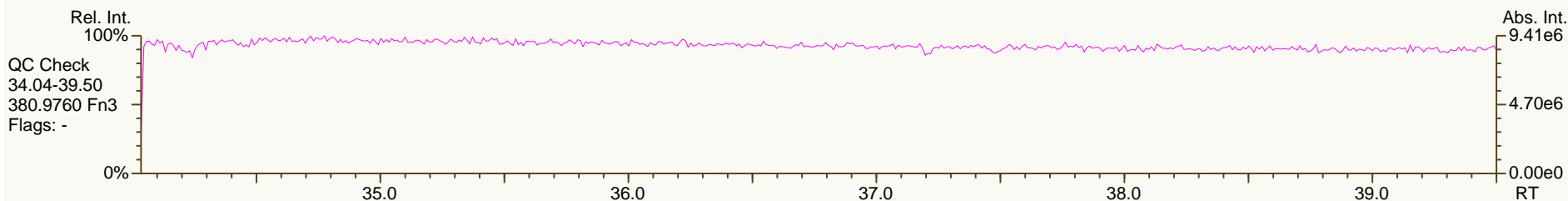
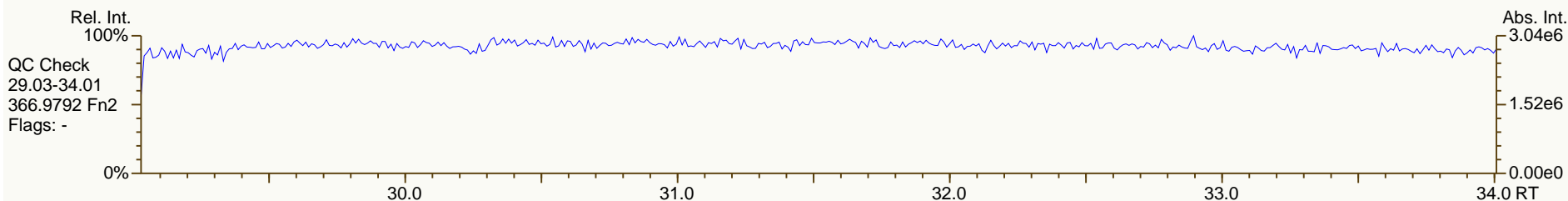
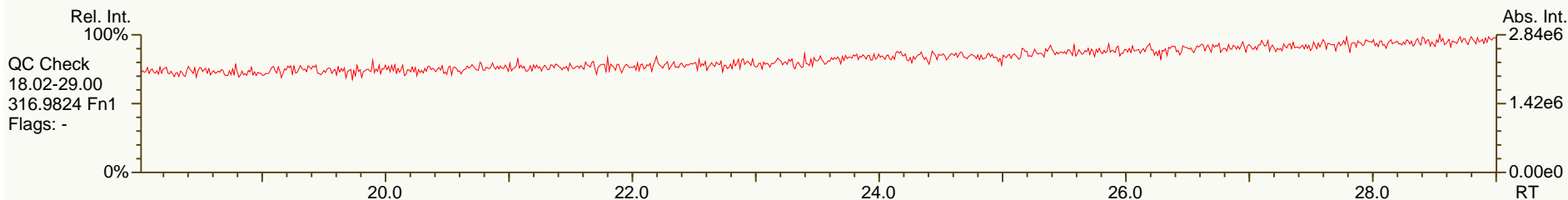
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

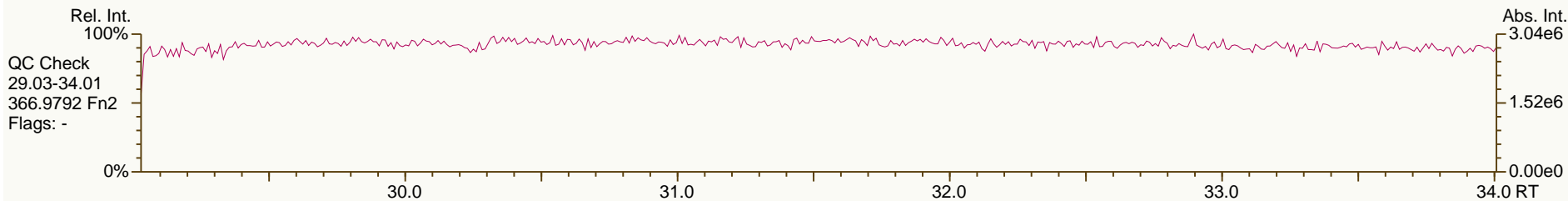
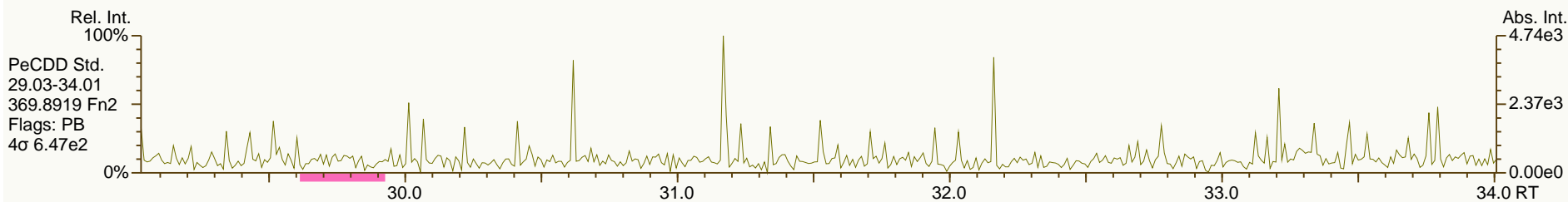
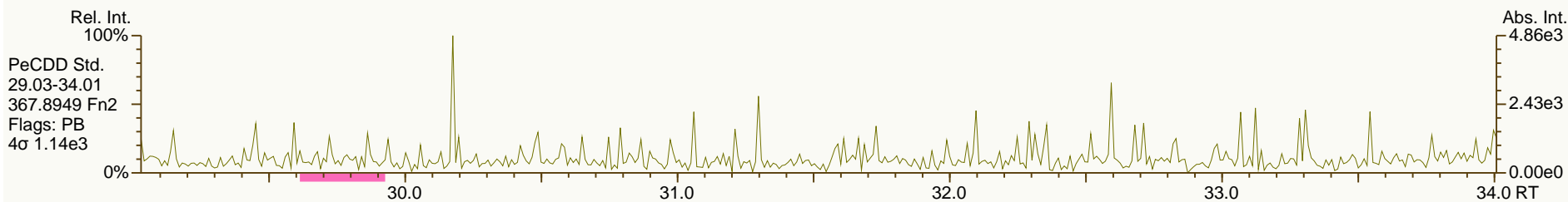
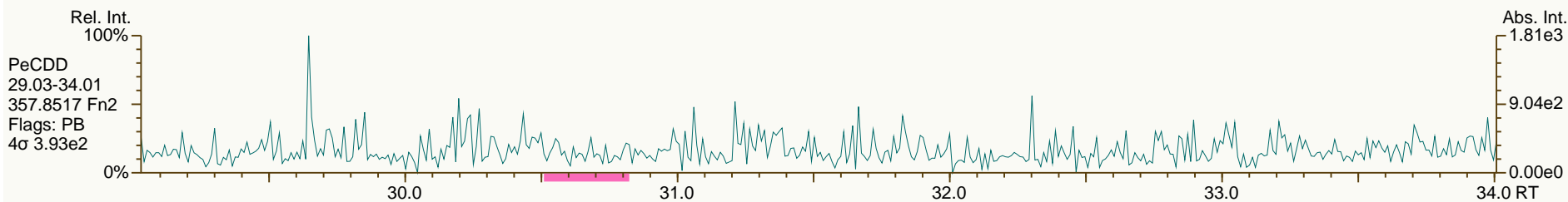
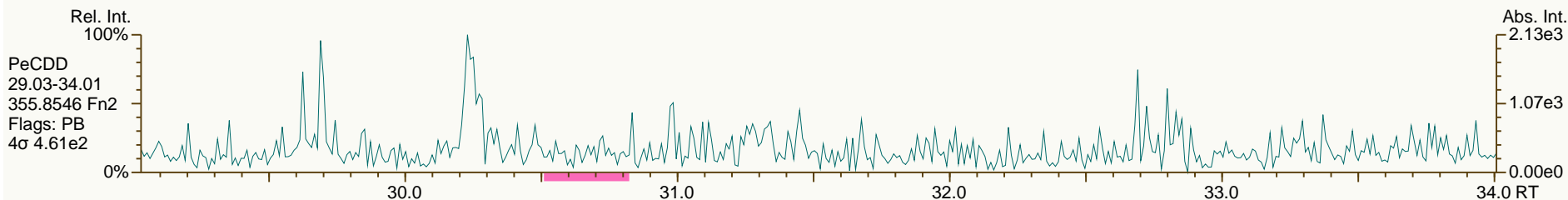
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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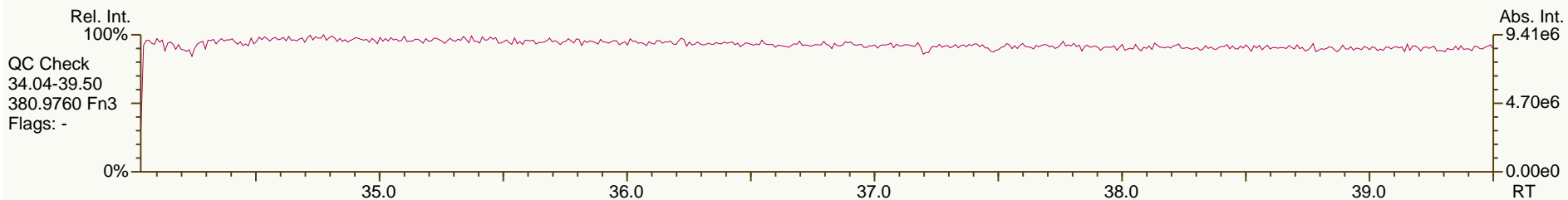
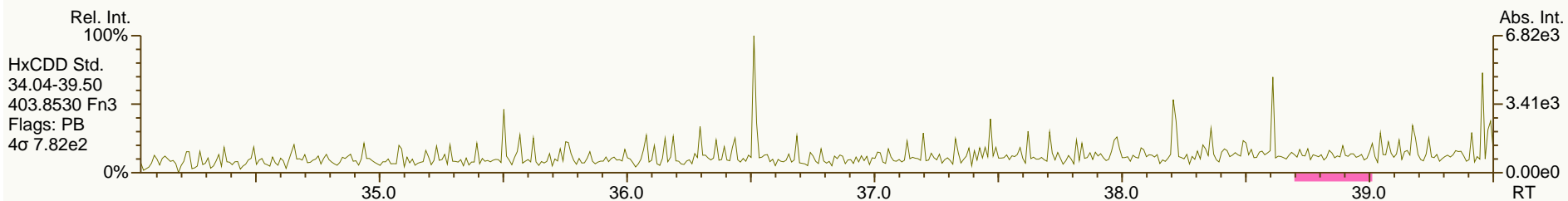
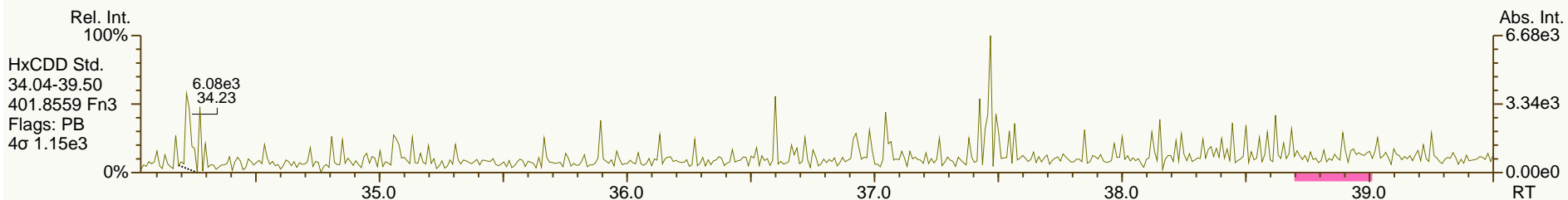
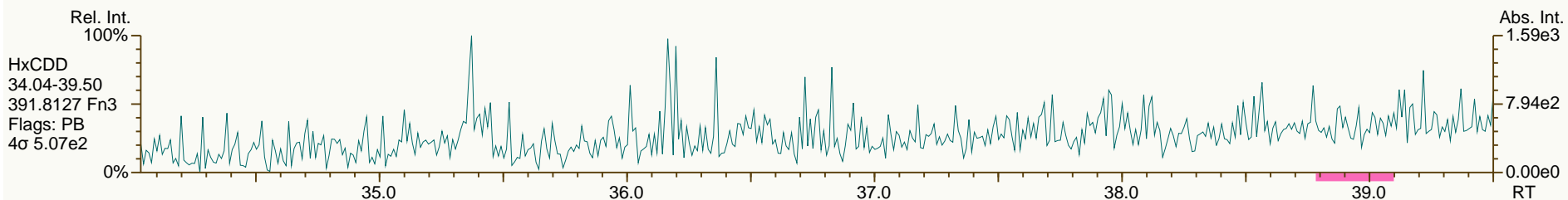
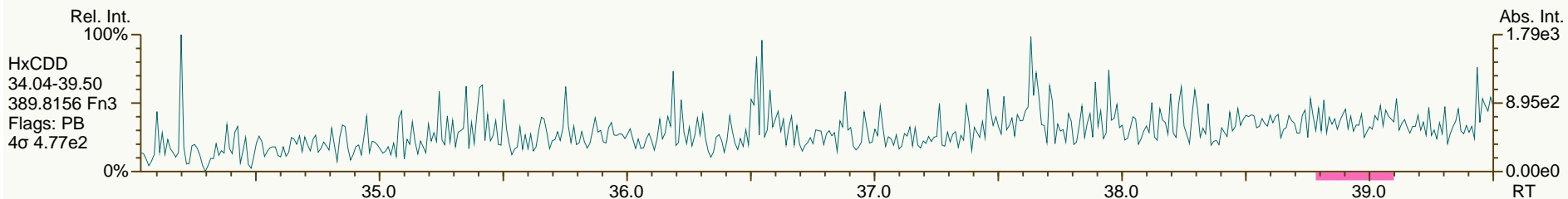
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User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

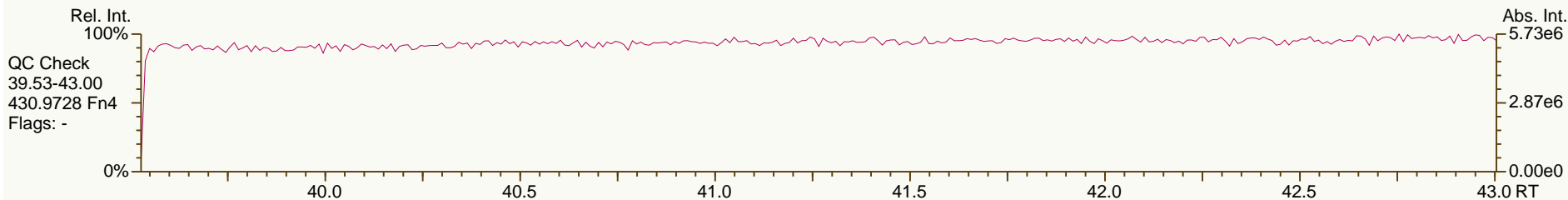
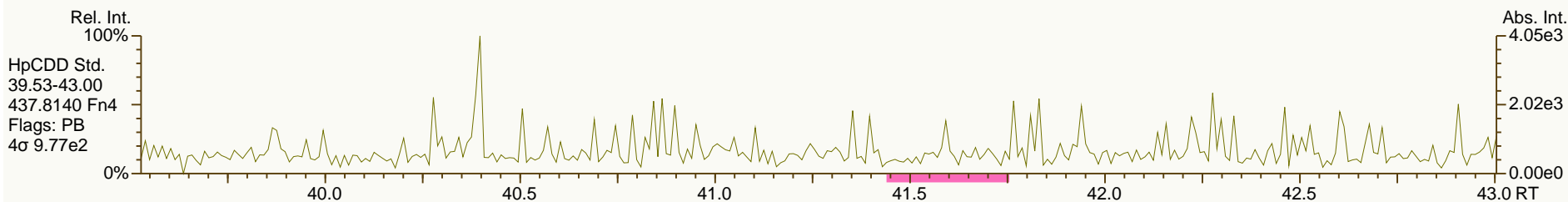
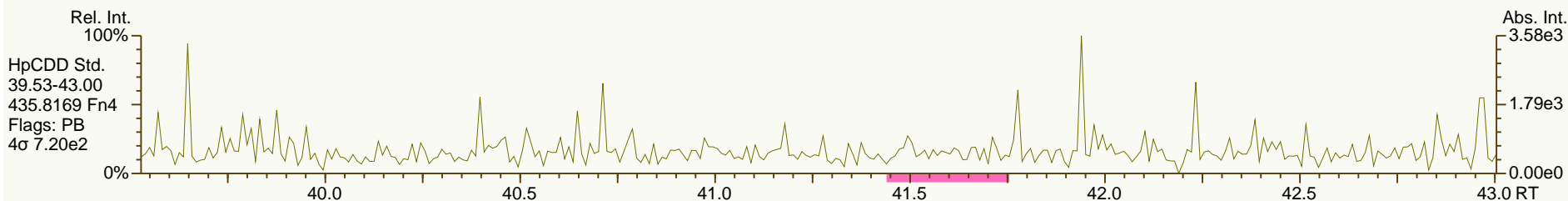
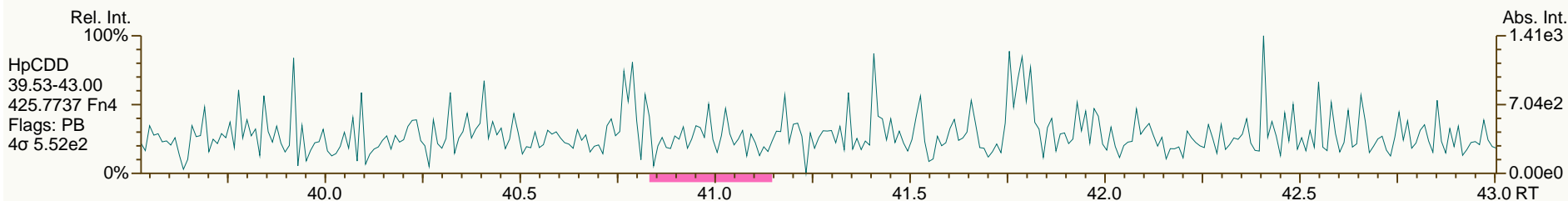
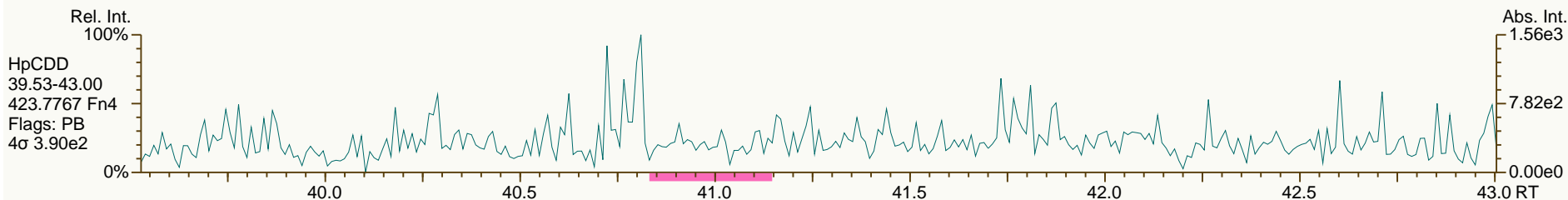
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

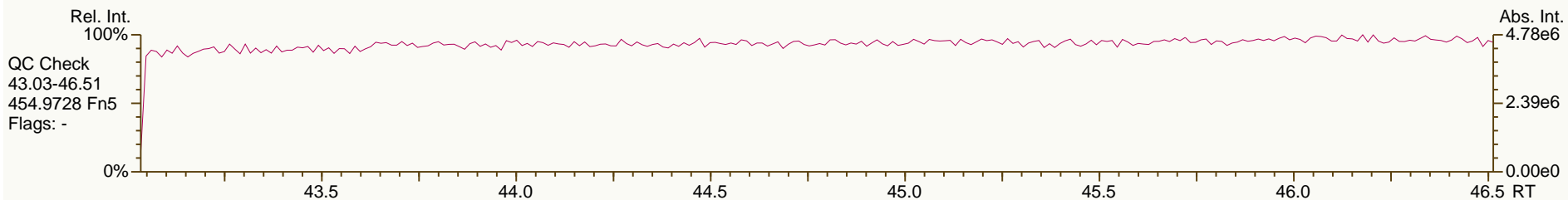
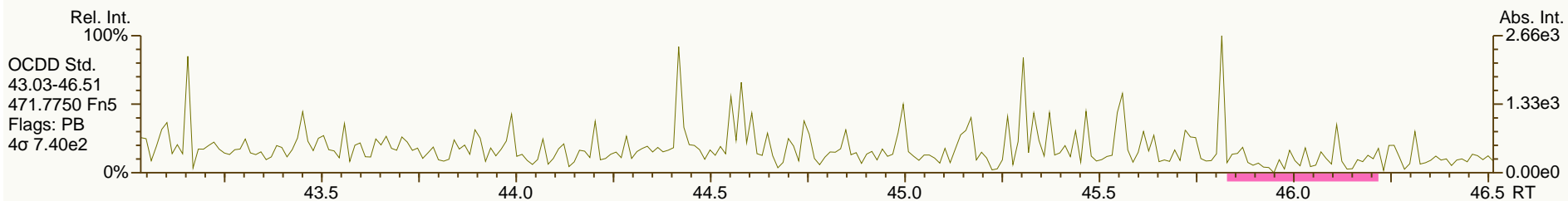
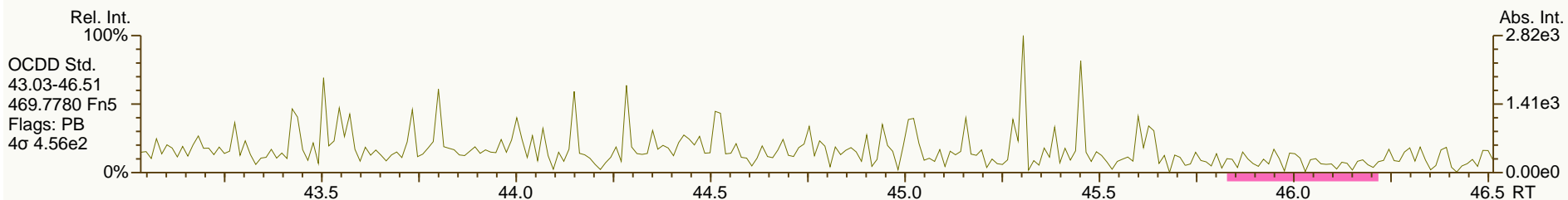
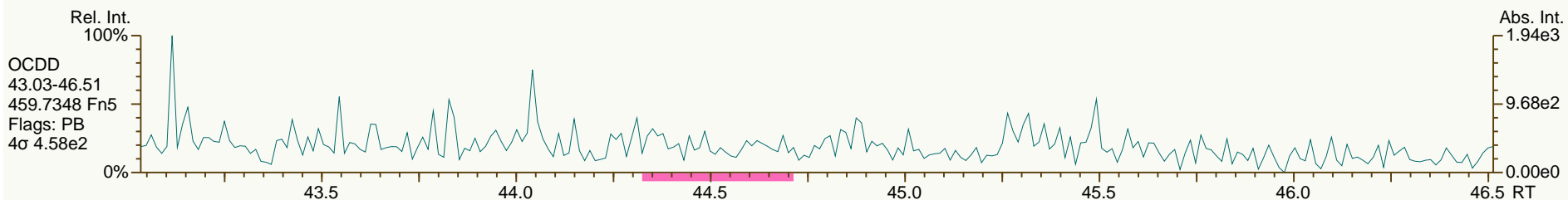
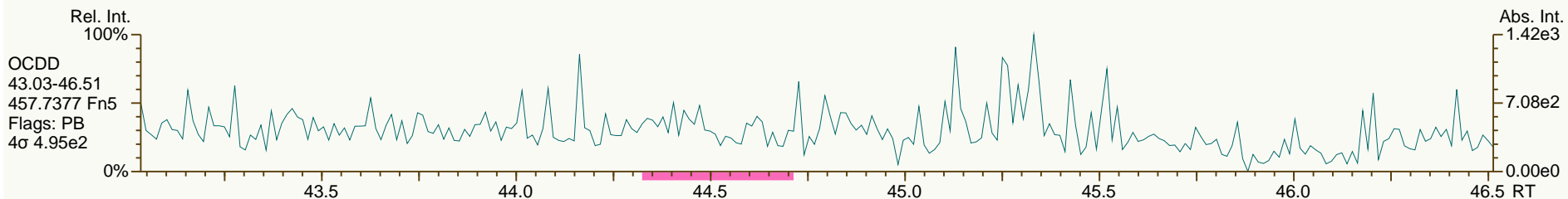
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SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

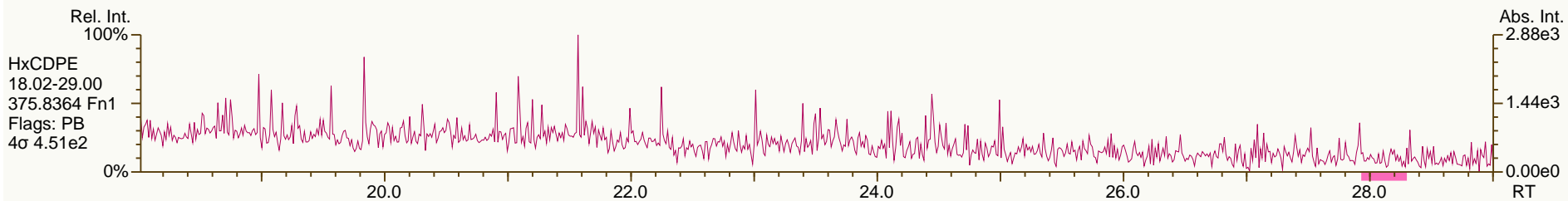
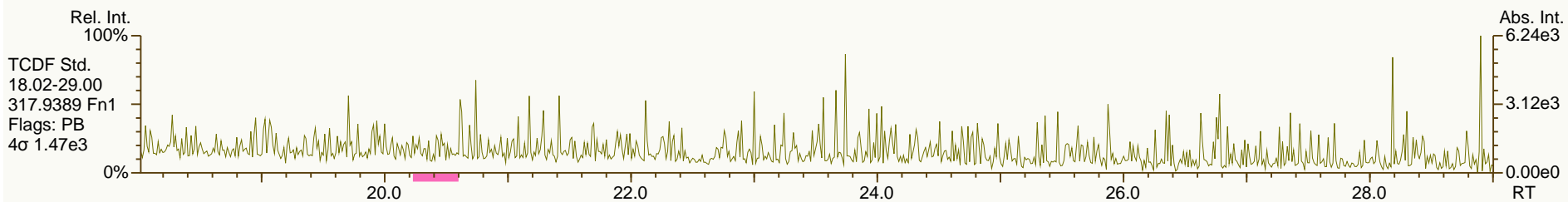
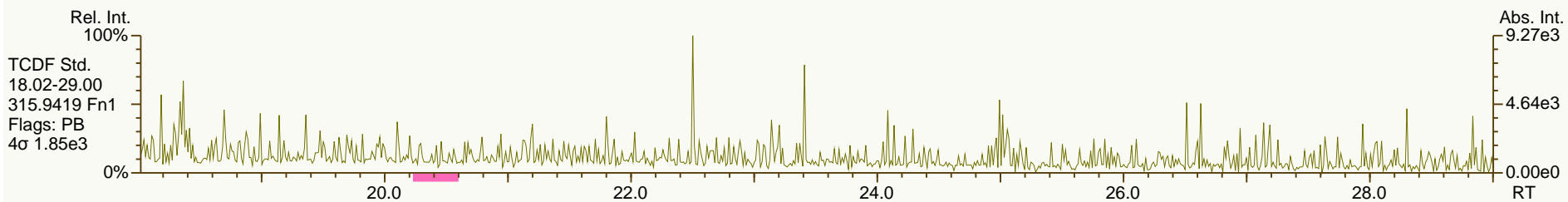
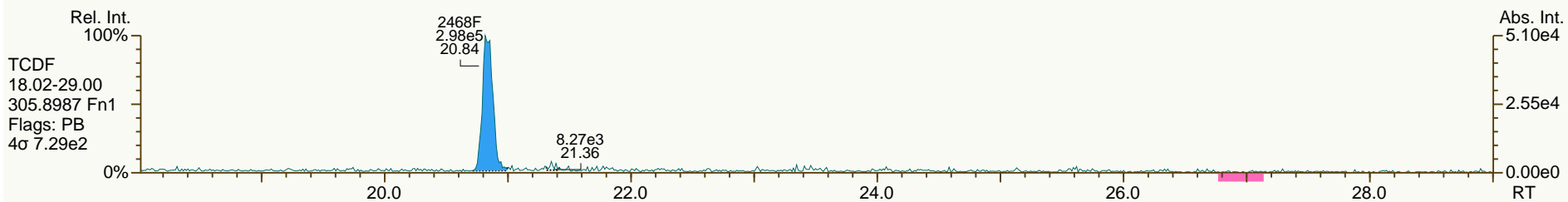
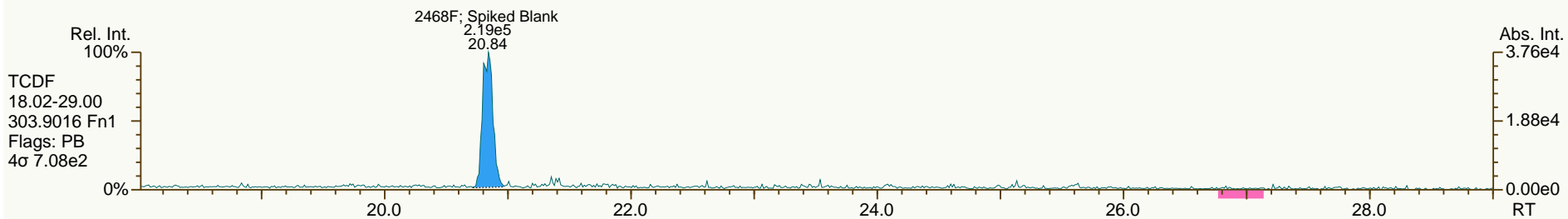
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SGS-AP ID: SBS_121125_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
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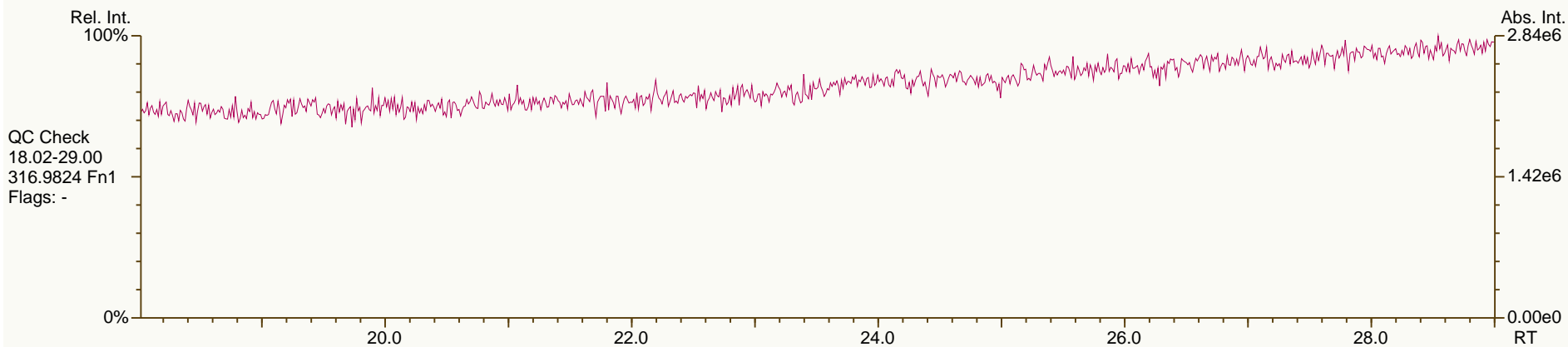
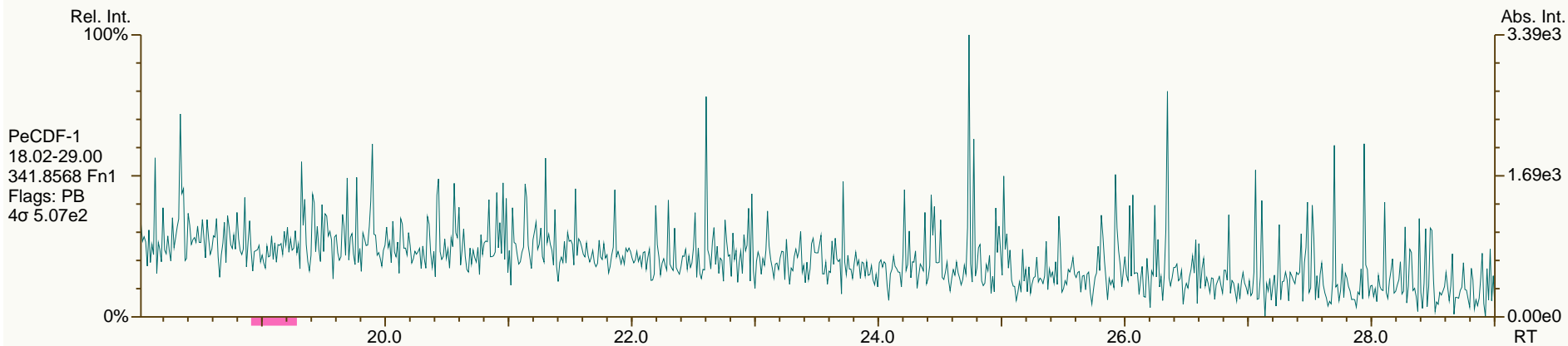
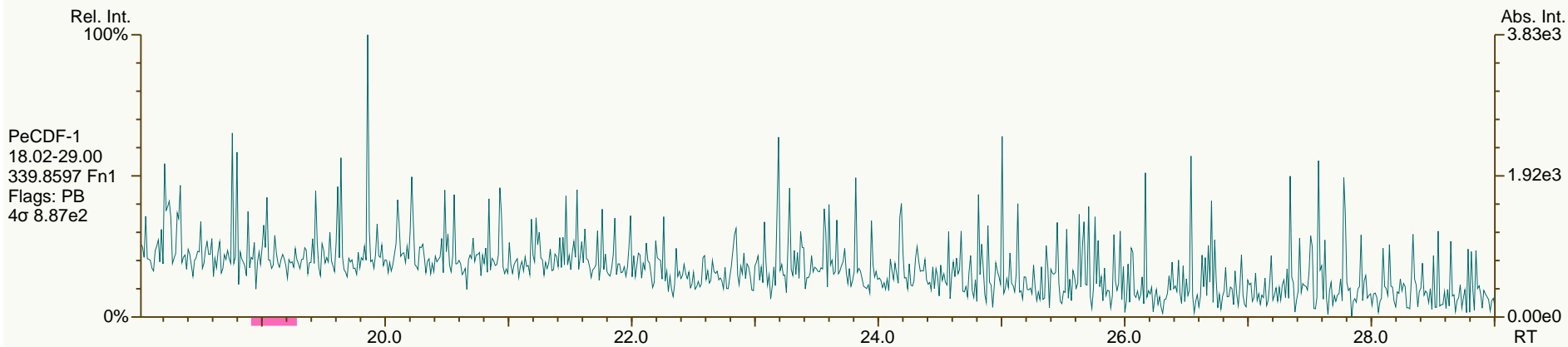
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

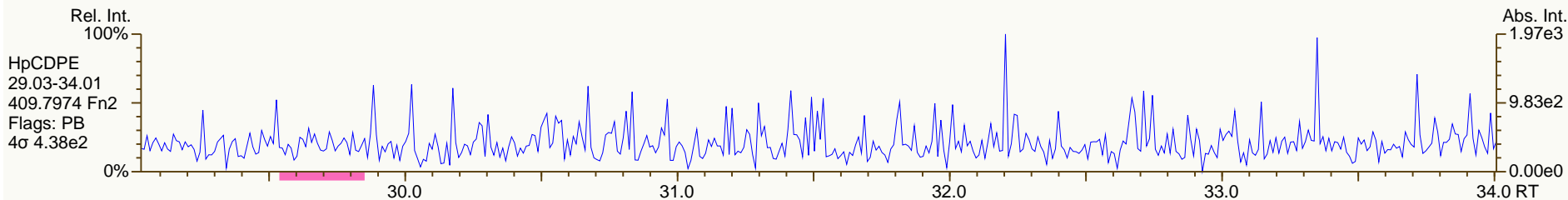
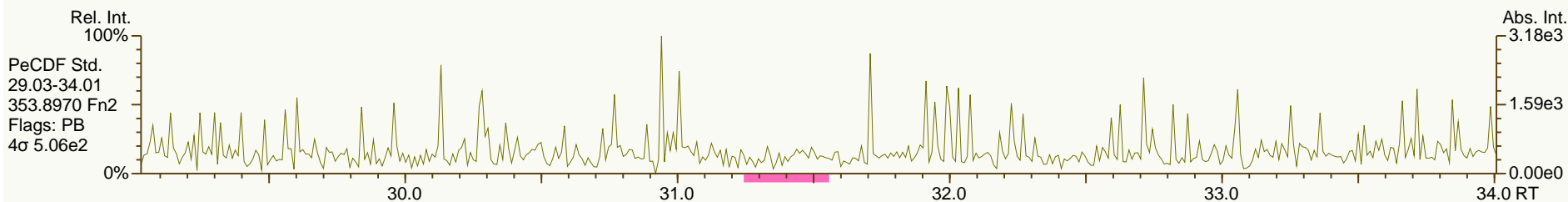
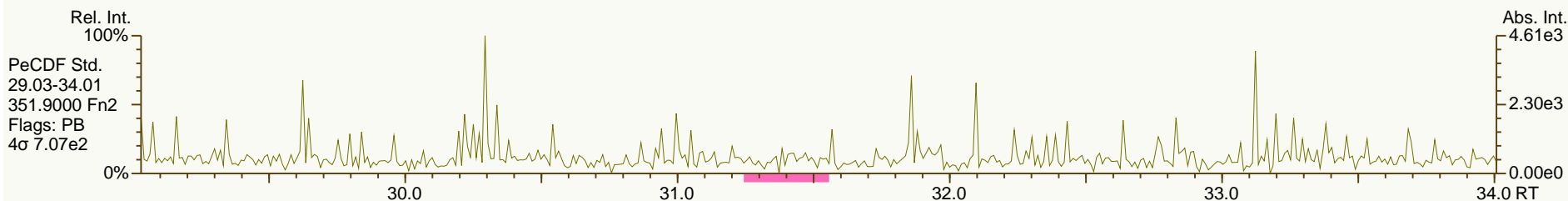
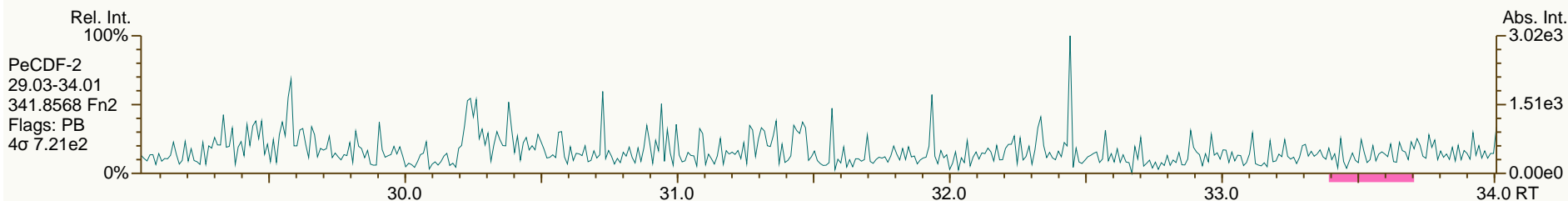
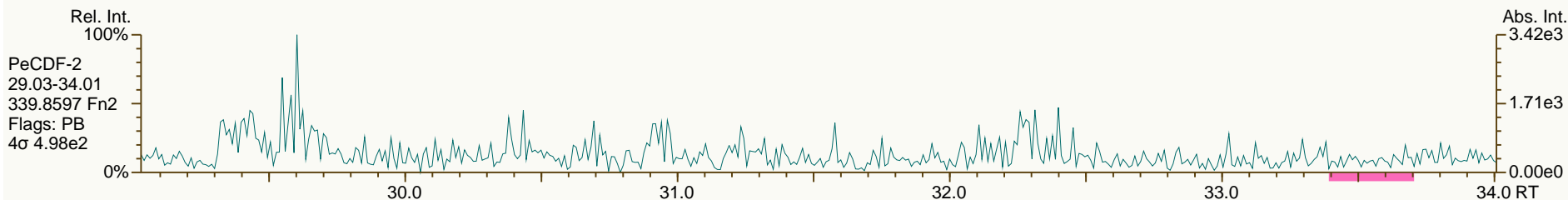
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

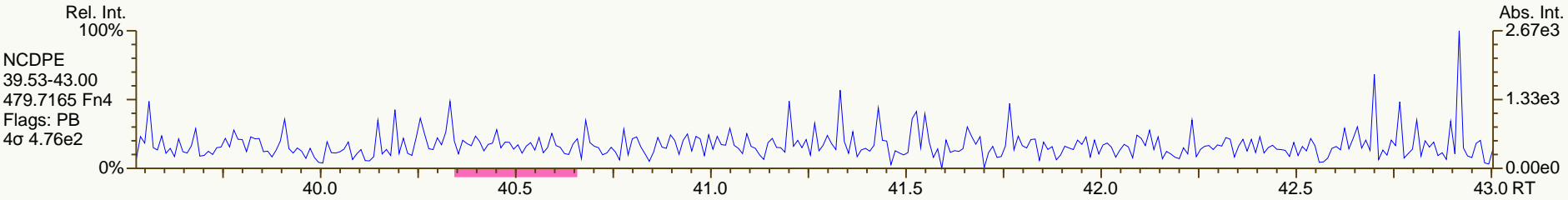
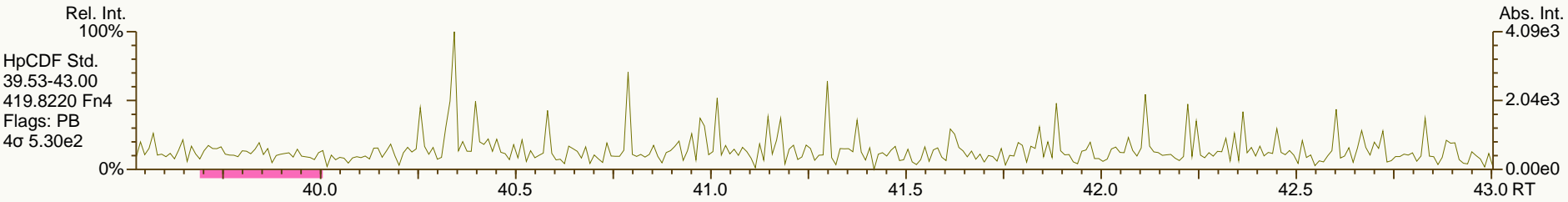
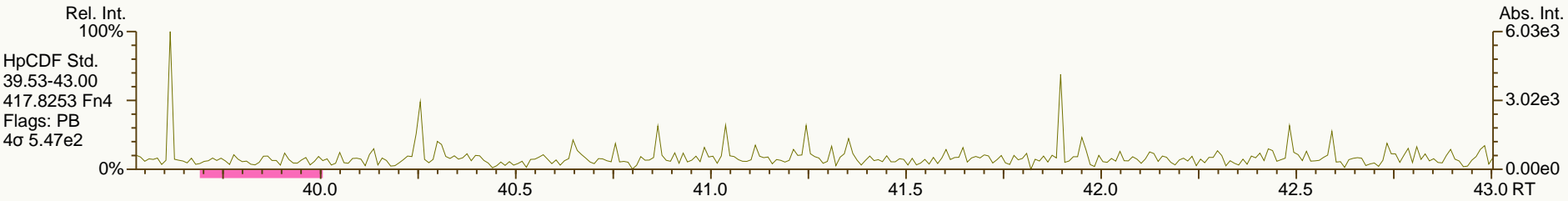
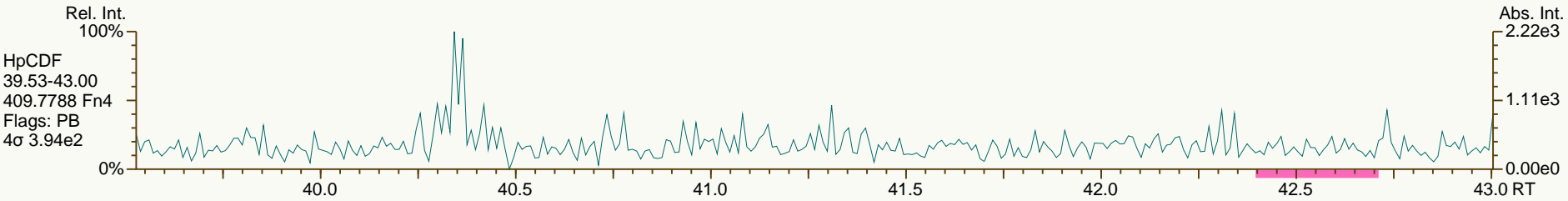
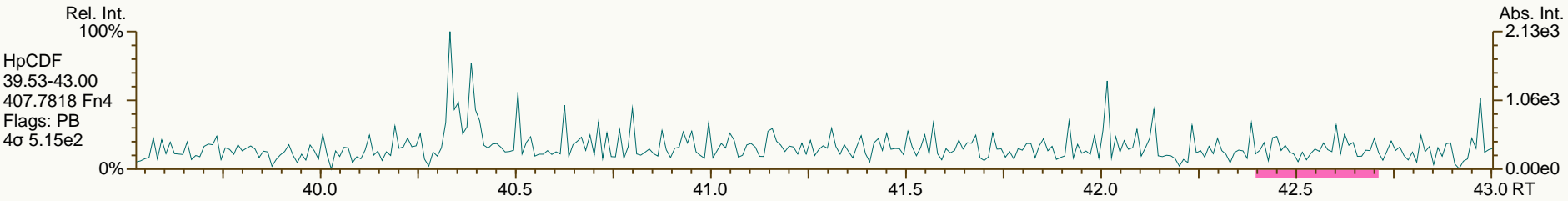
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SGS-AP ID: SBS_121125_DF_PA
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Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

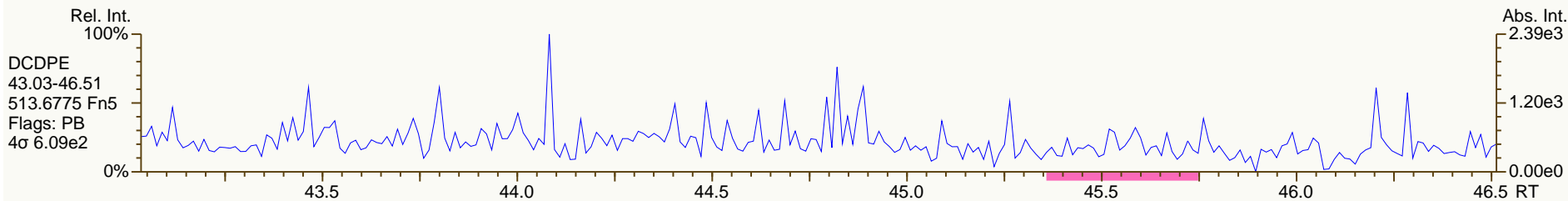
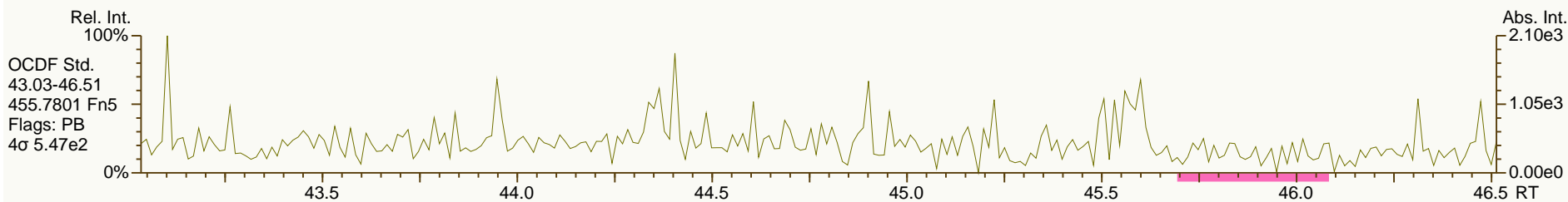
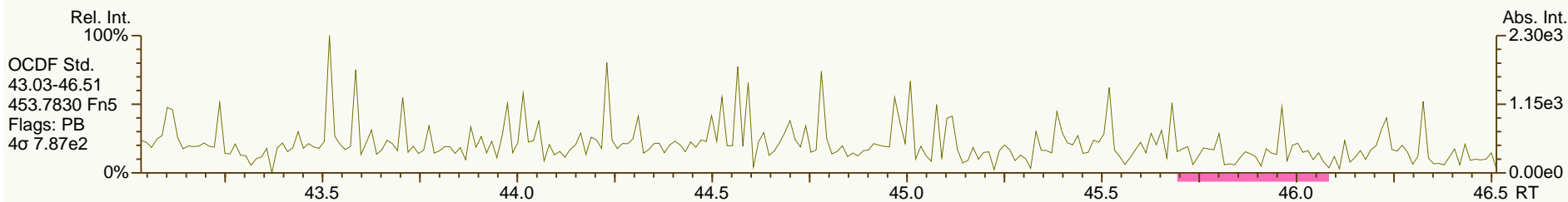
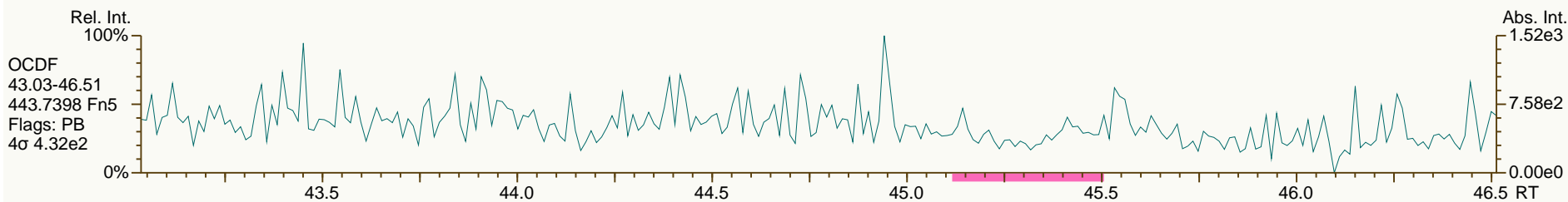
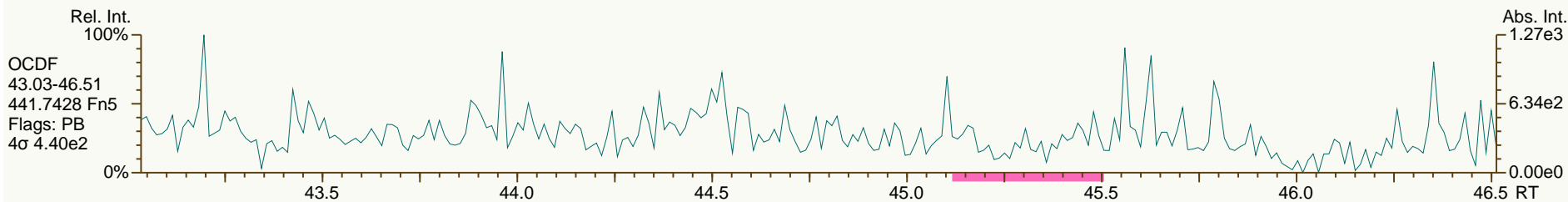
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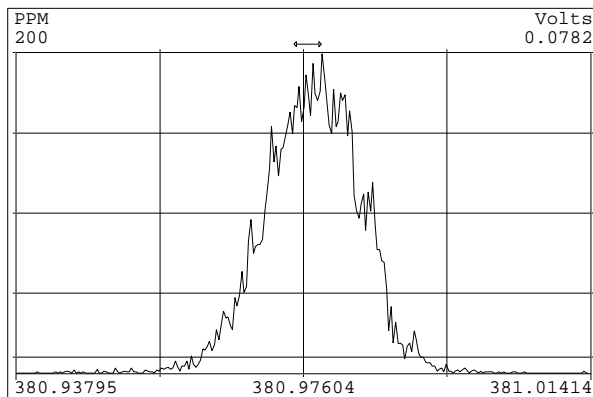
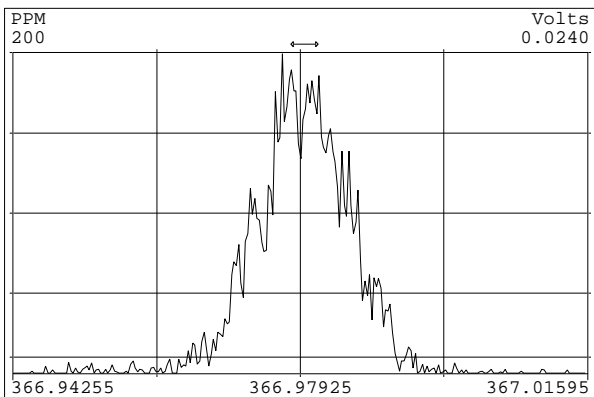
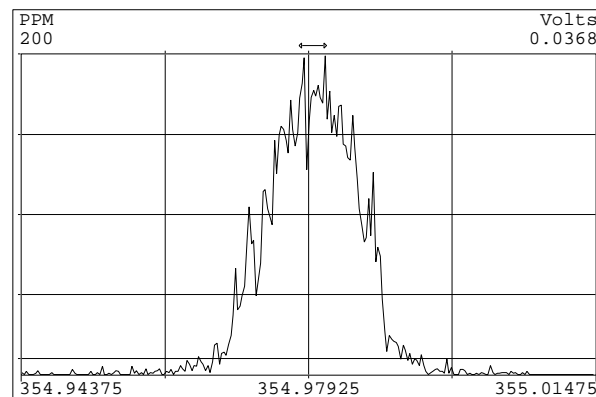
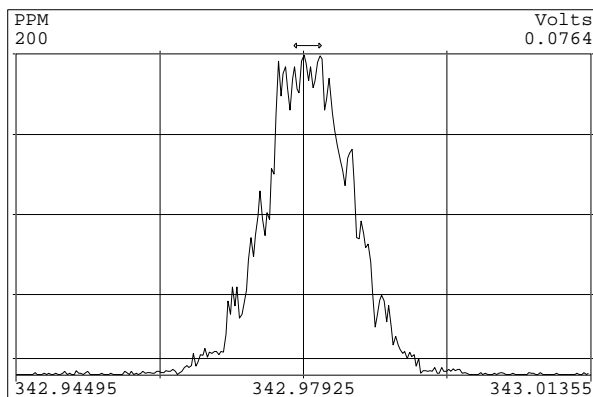
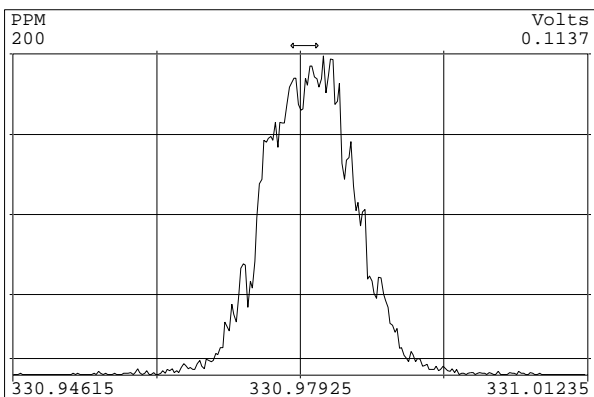
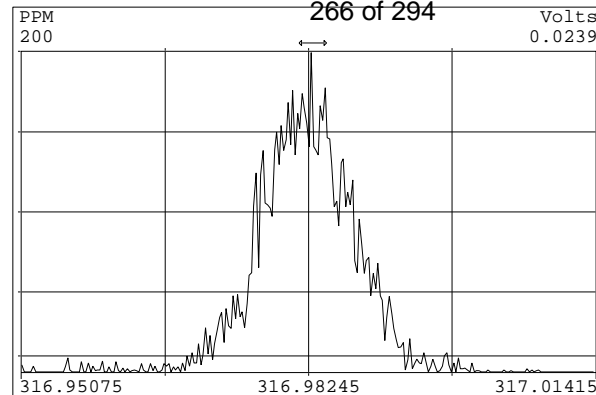
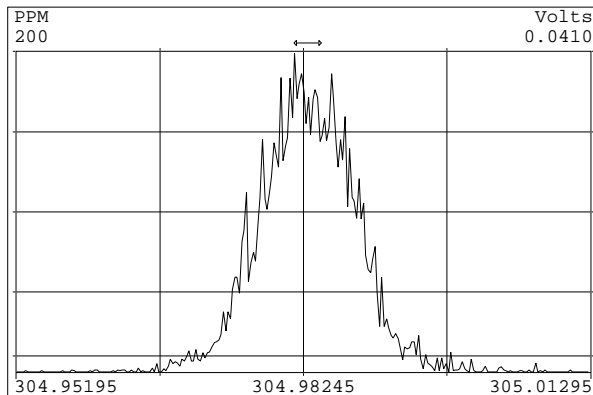
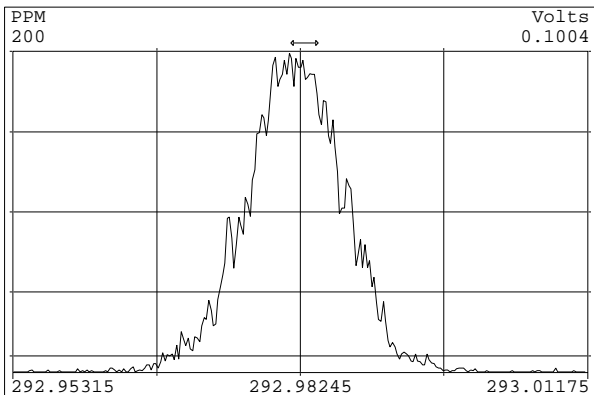


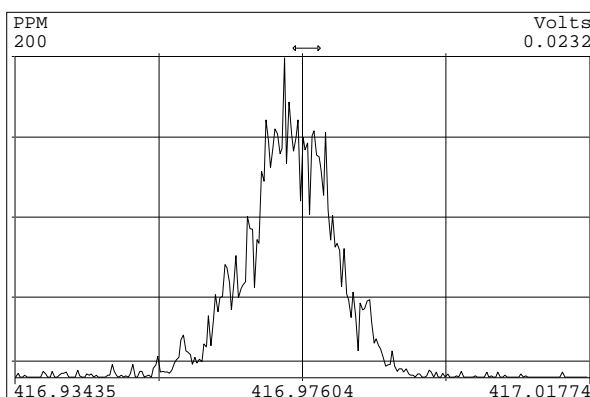
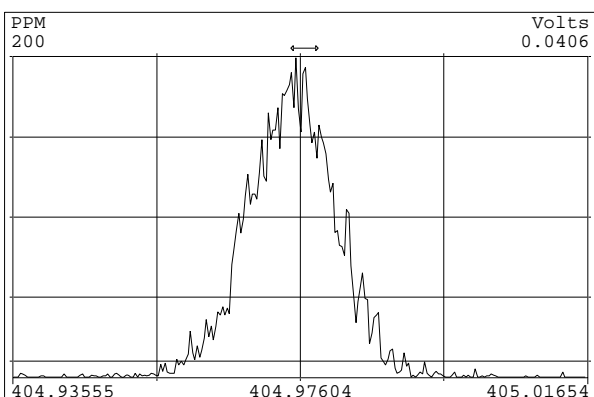
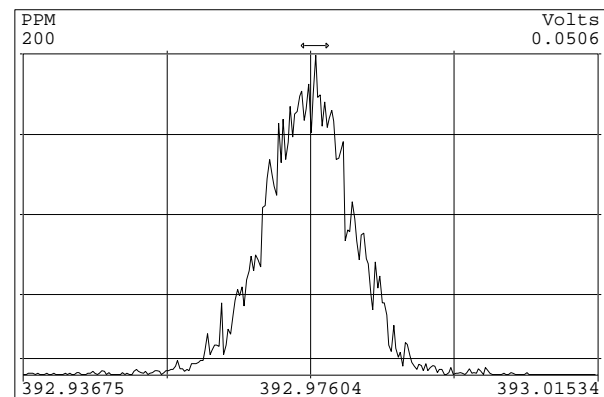
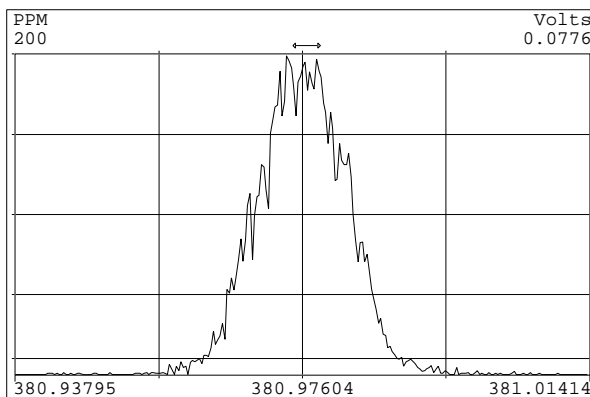
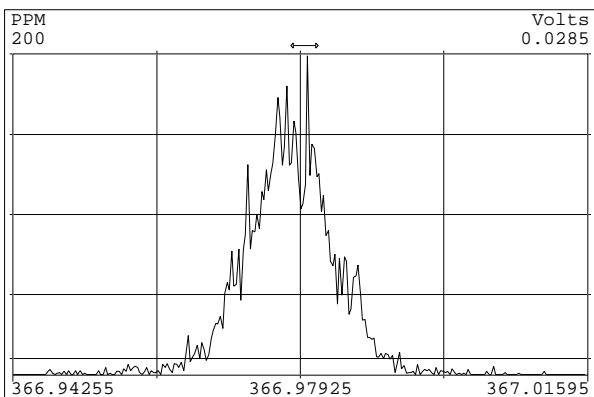
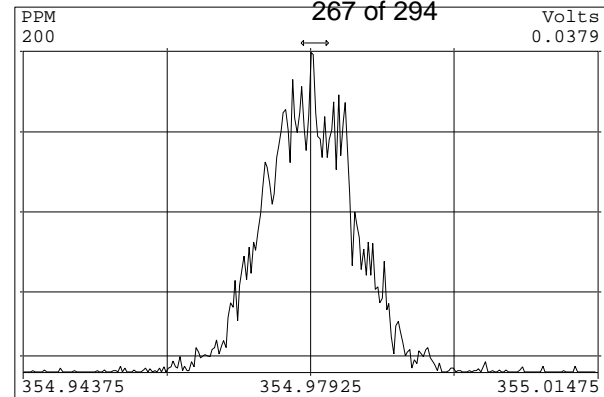
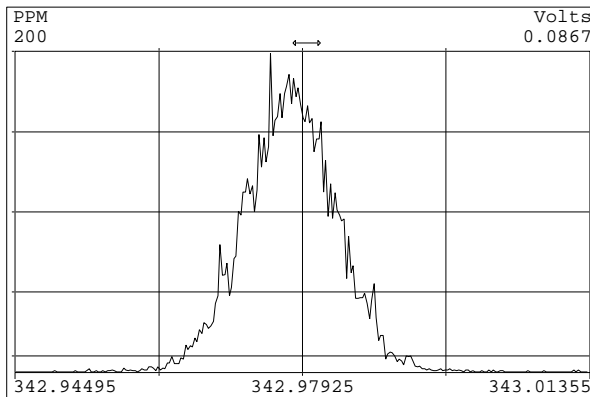
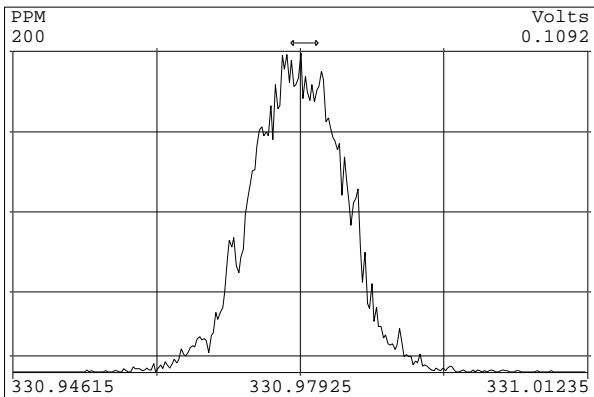
SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

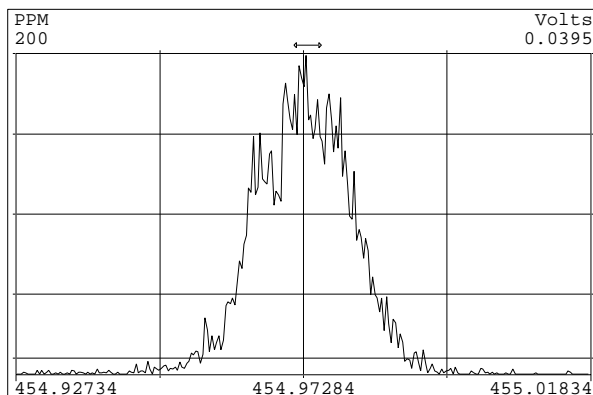
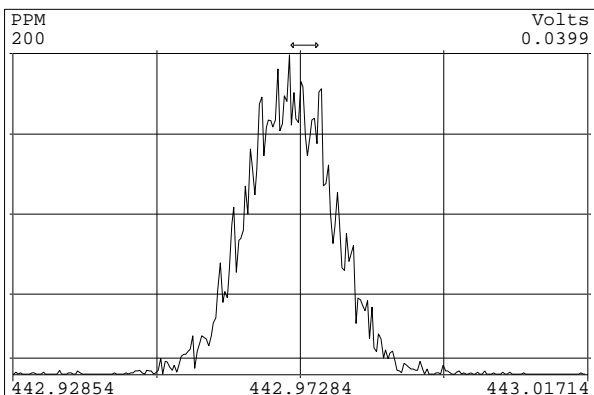
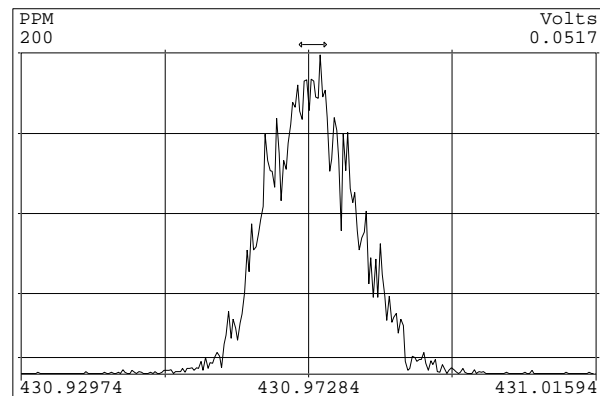
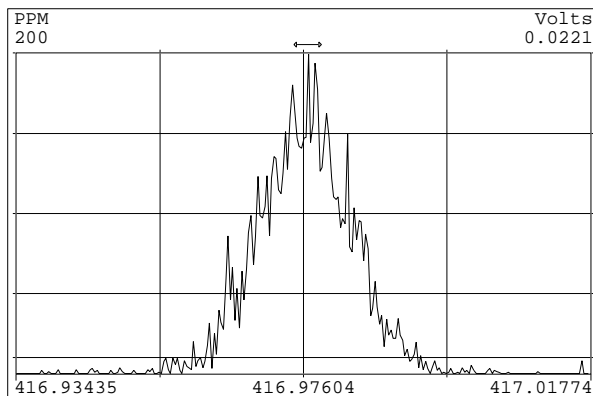
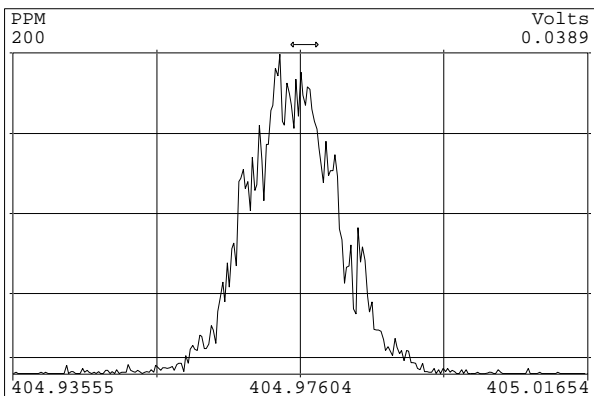
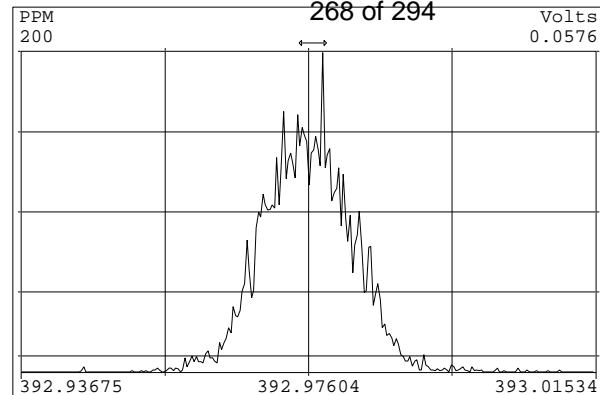
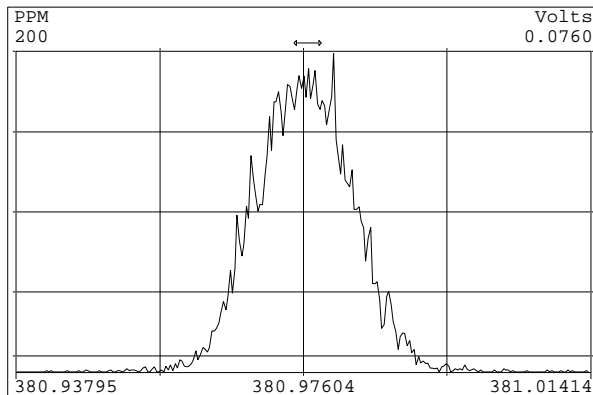
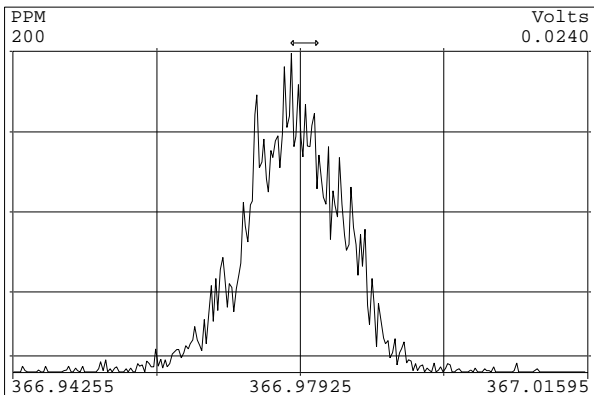
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

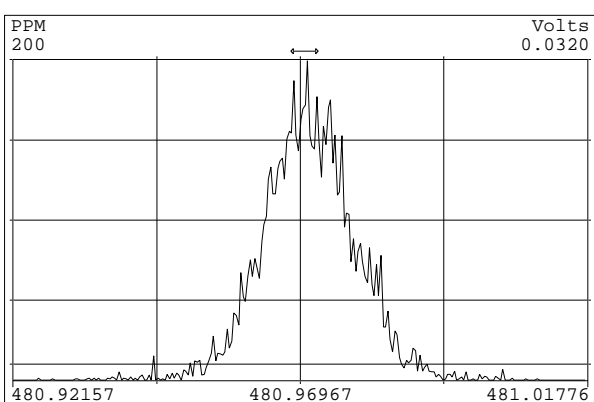
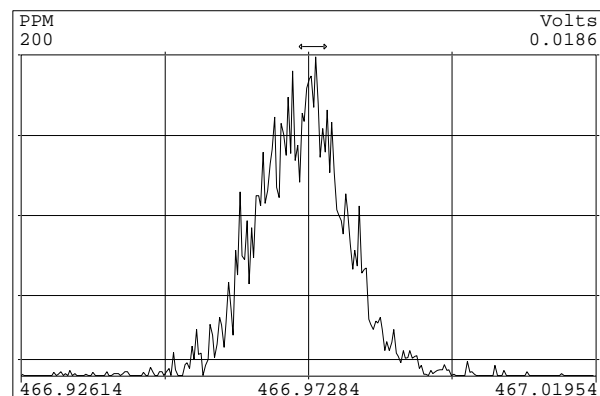
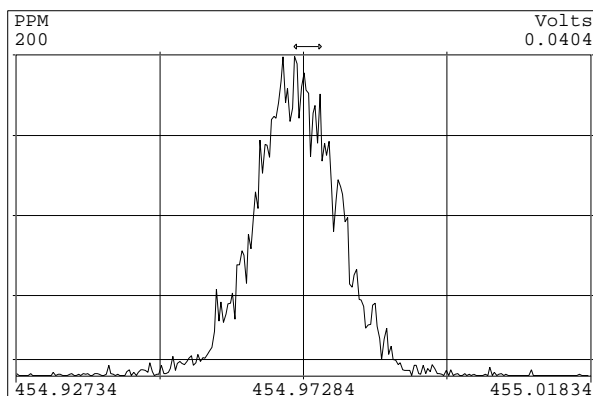
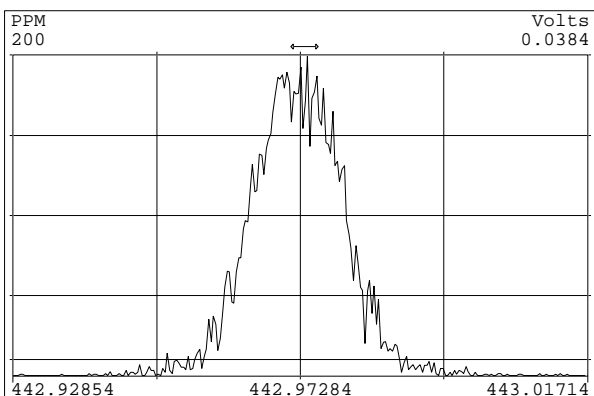
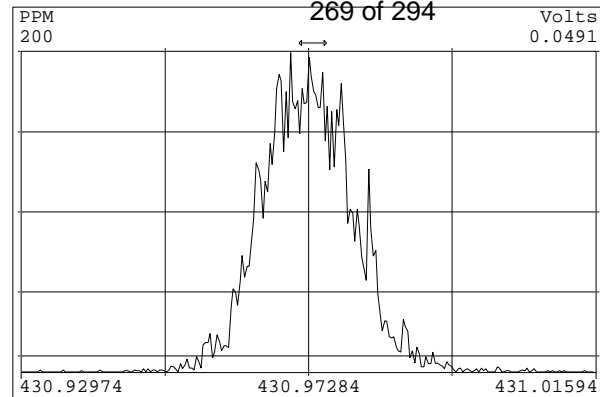
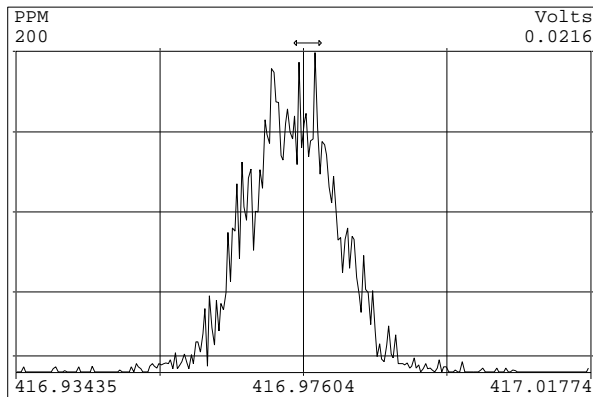
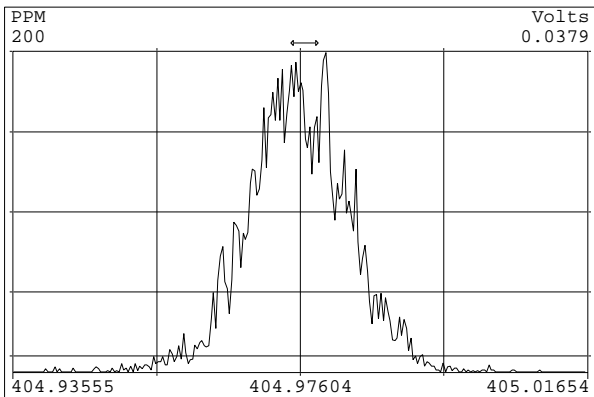
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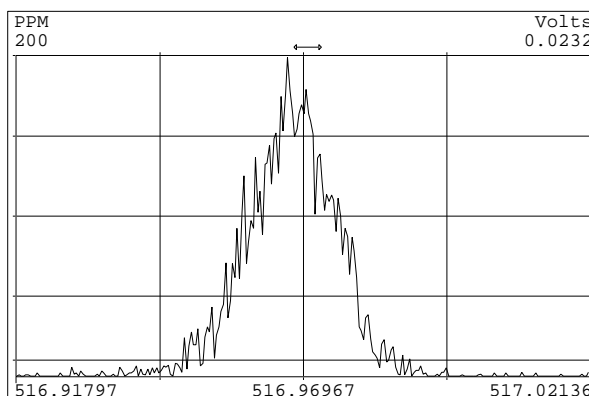
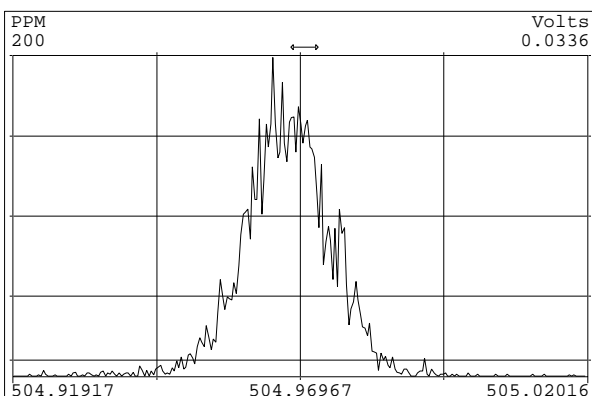
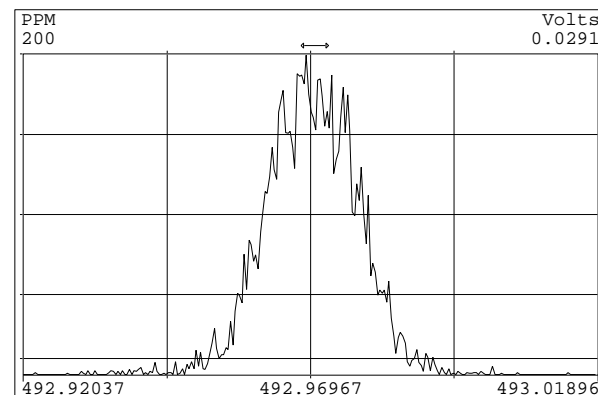
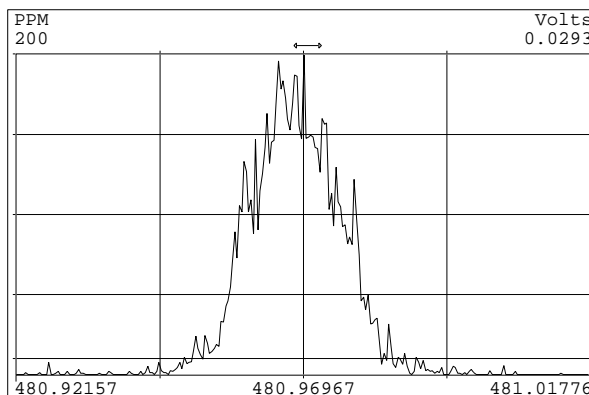
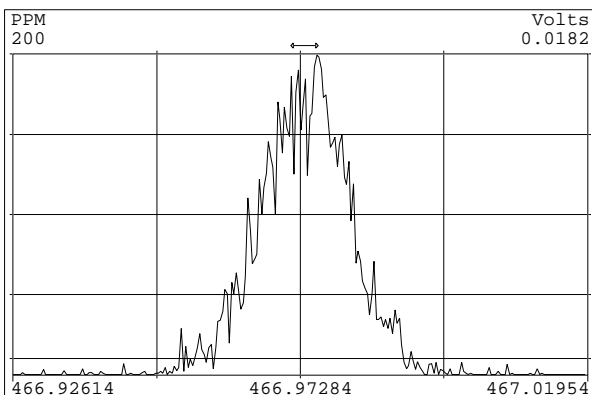
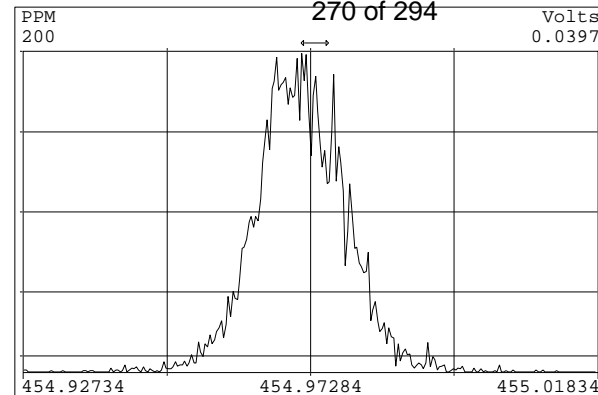
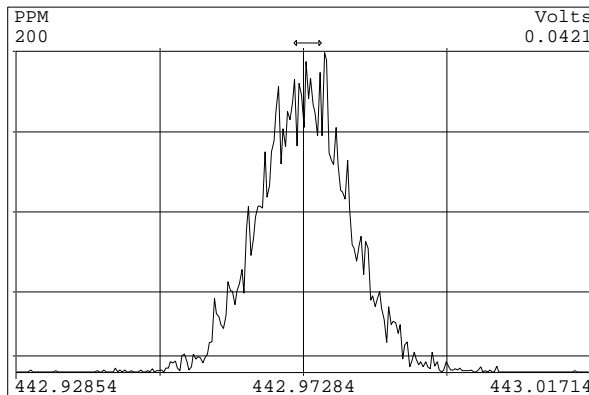
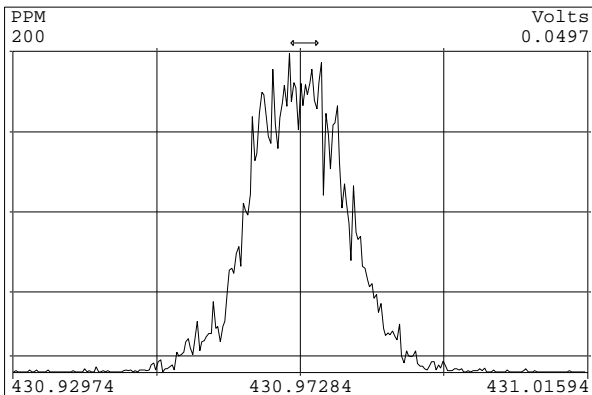


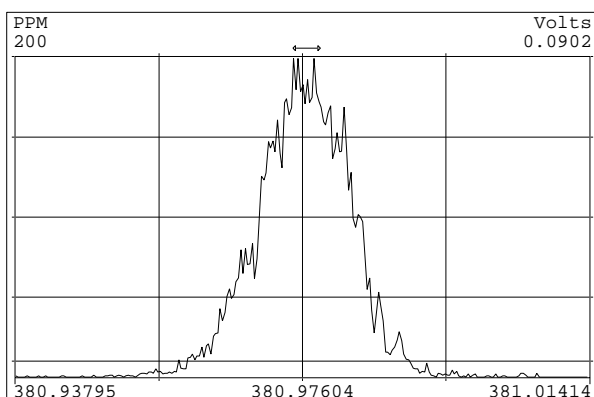
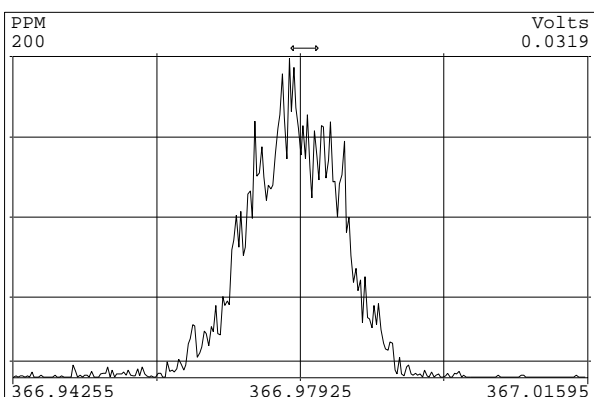
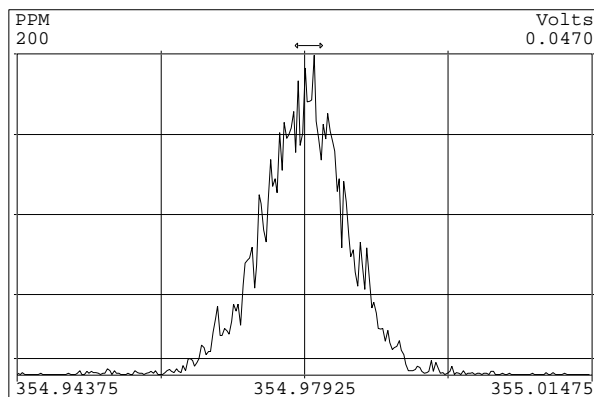
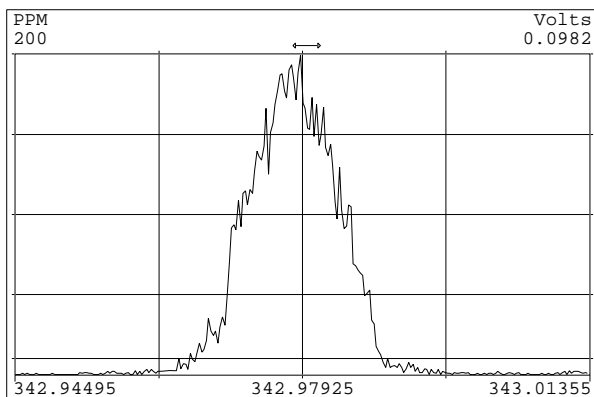
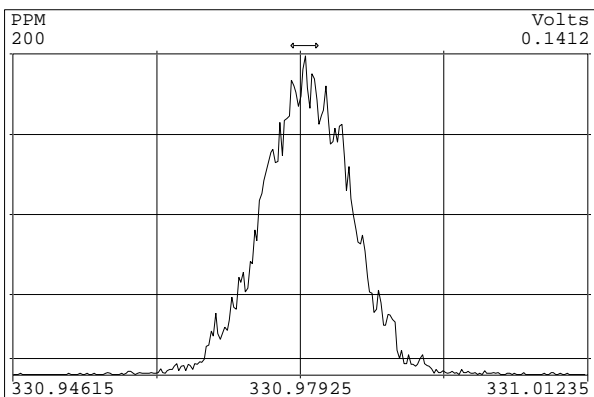
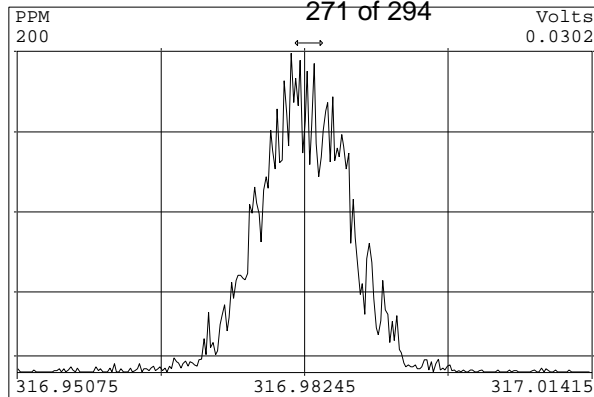
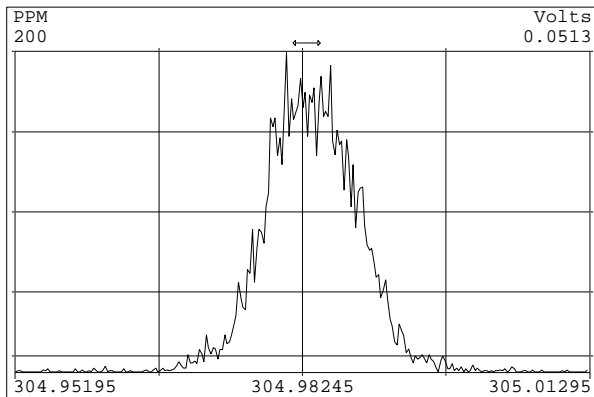
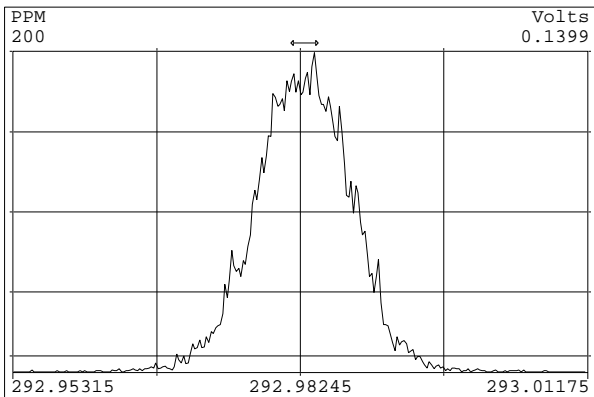


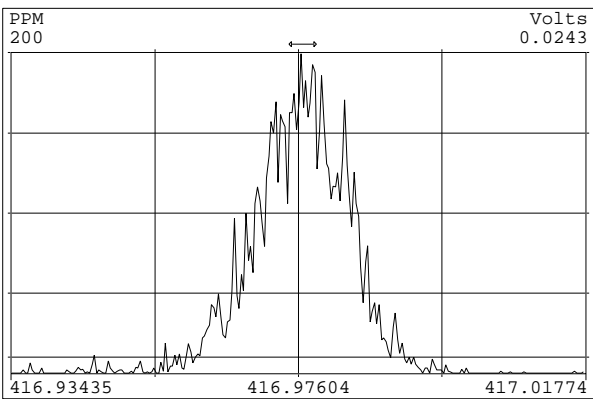
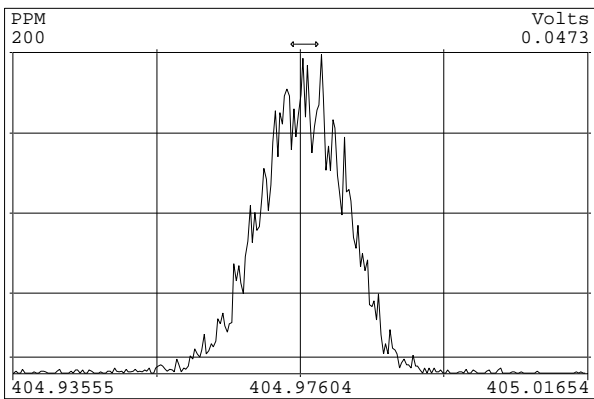
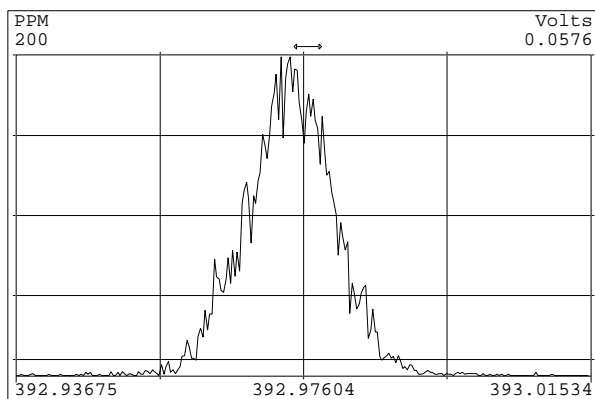
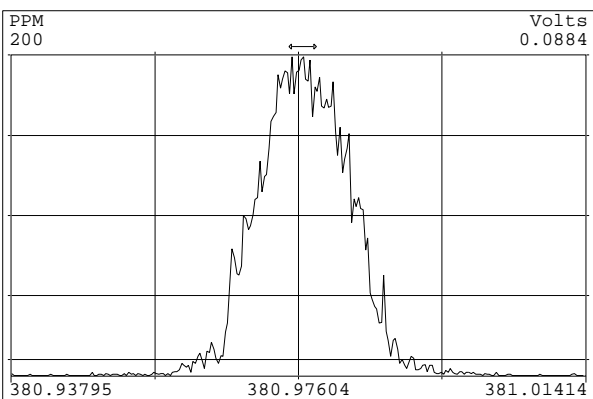
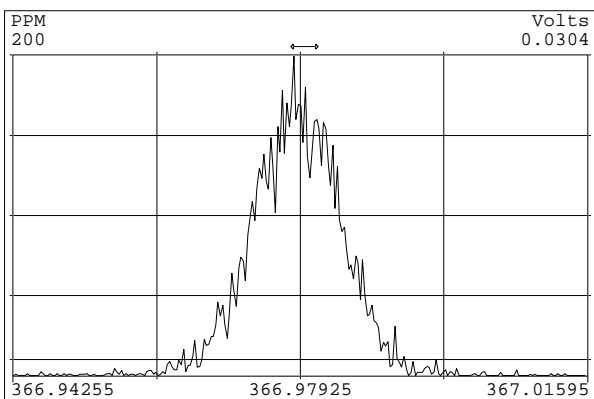
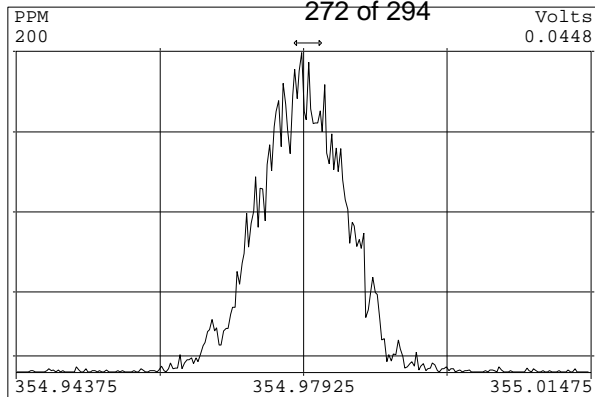
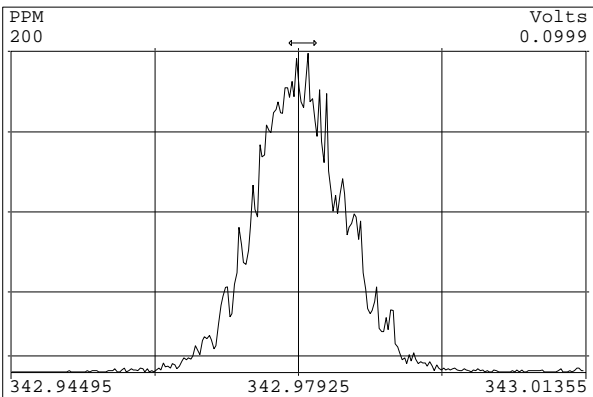
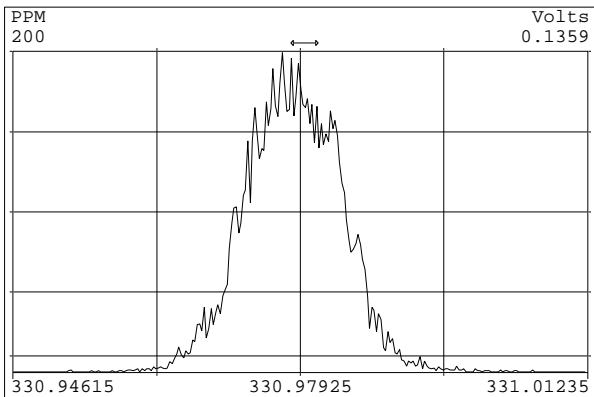


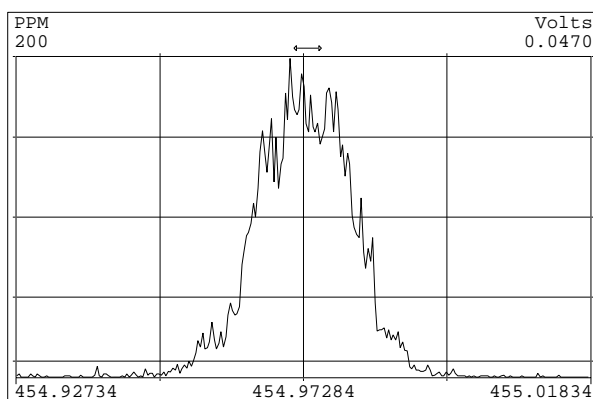
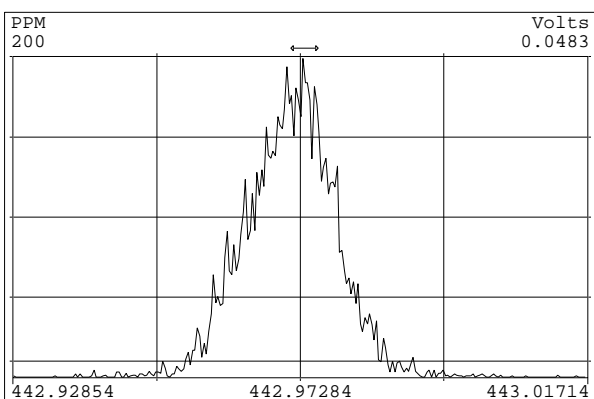
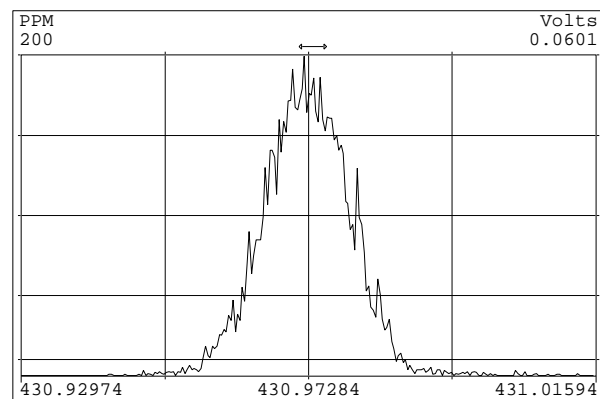
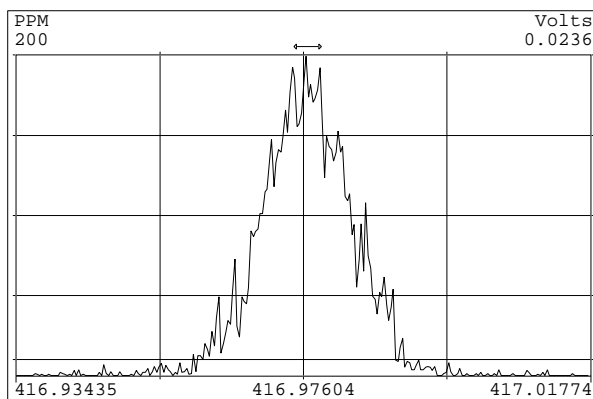
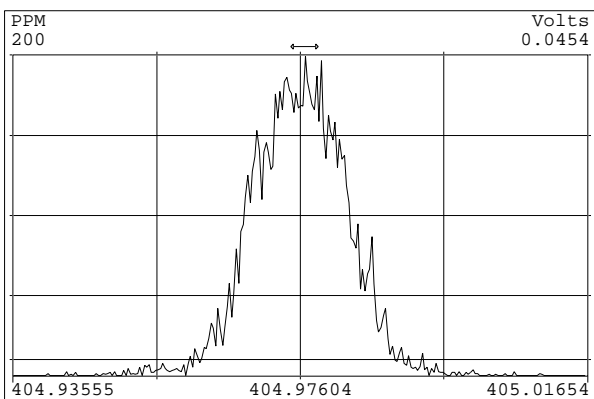
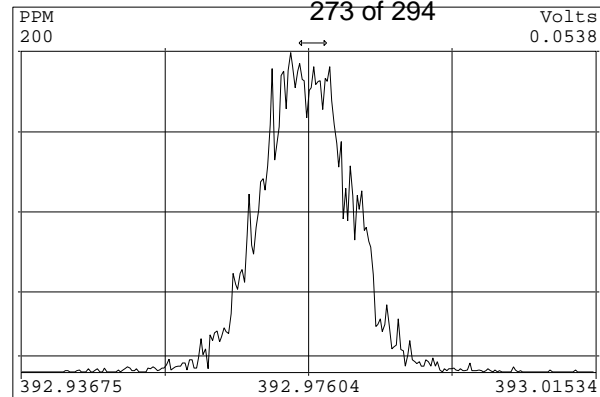
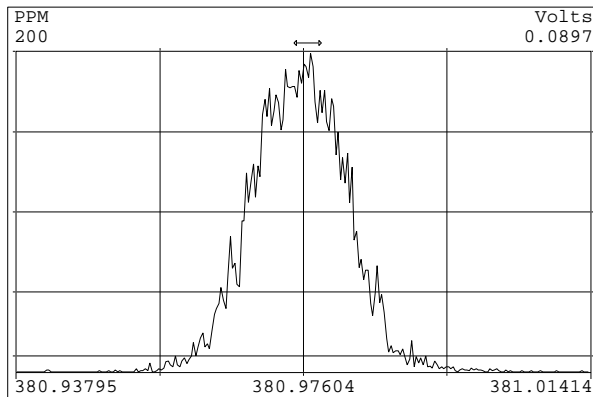
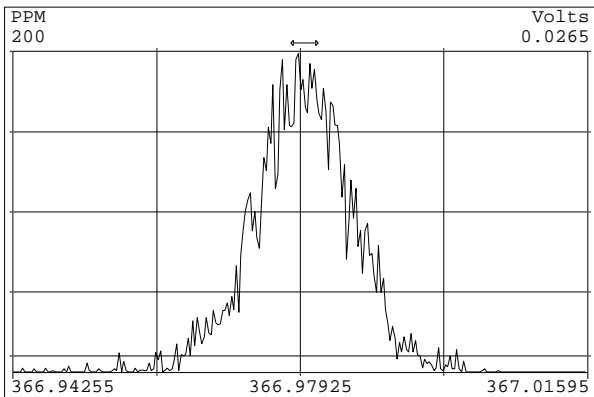


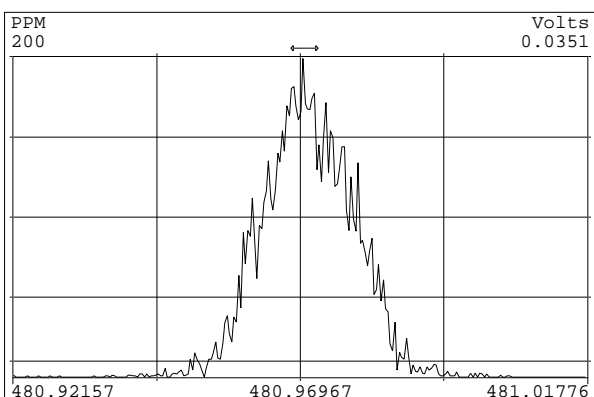
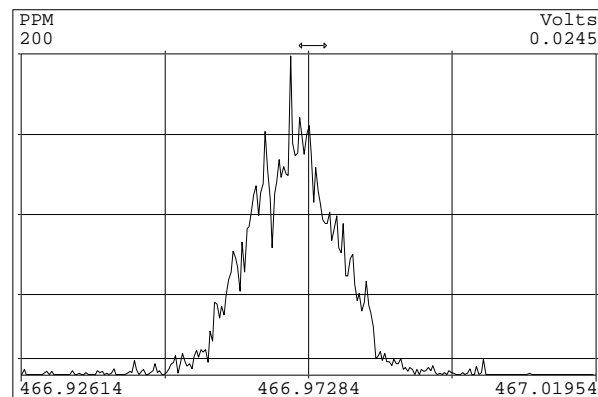
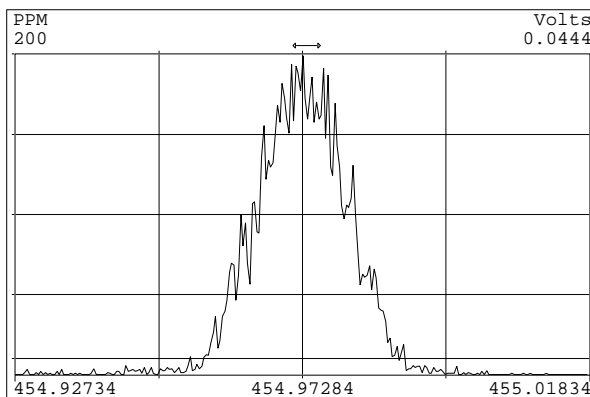
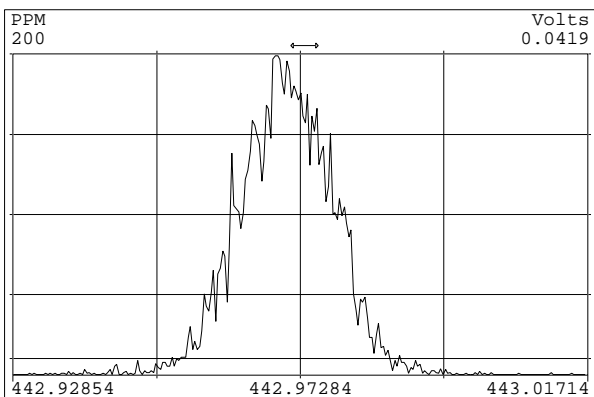
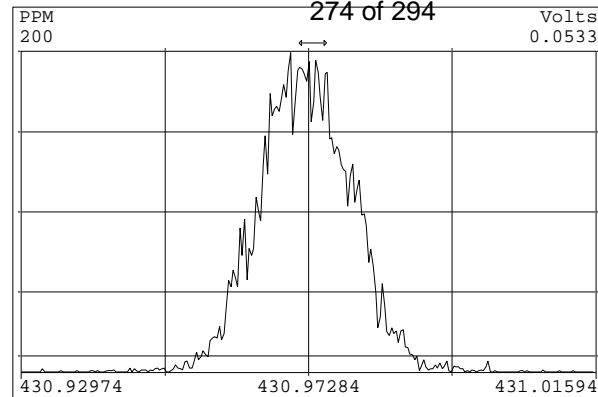
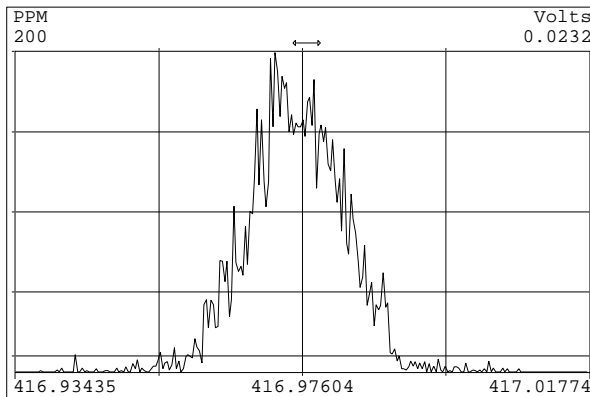
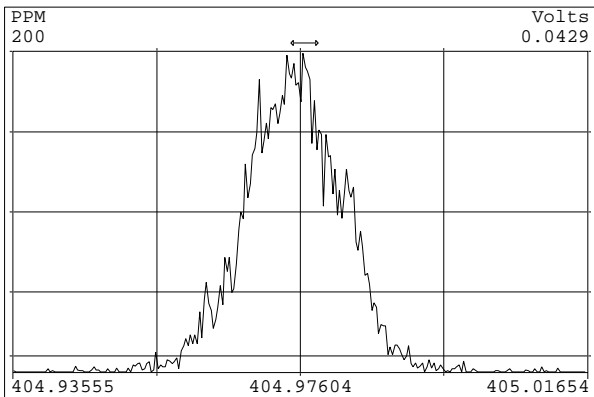


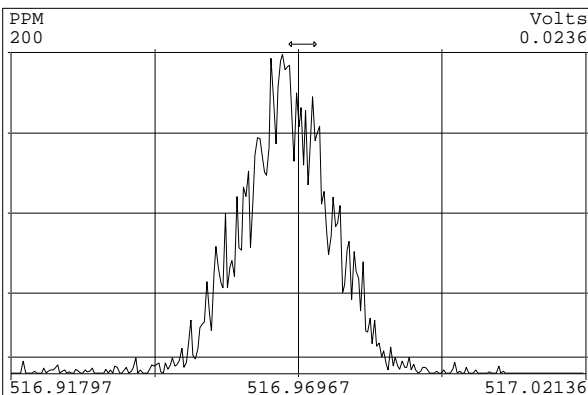
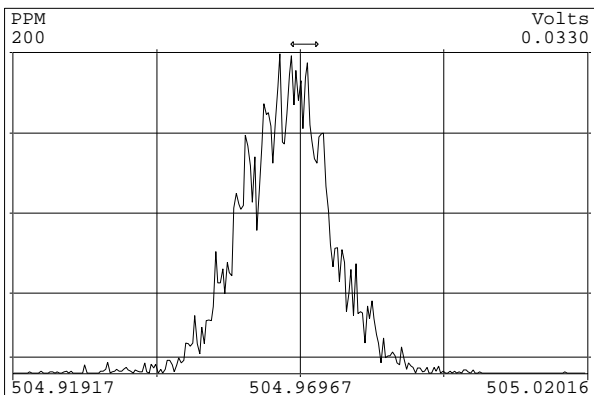
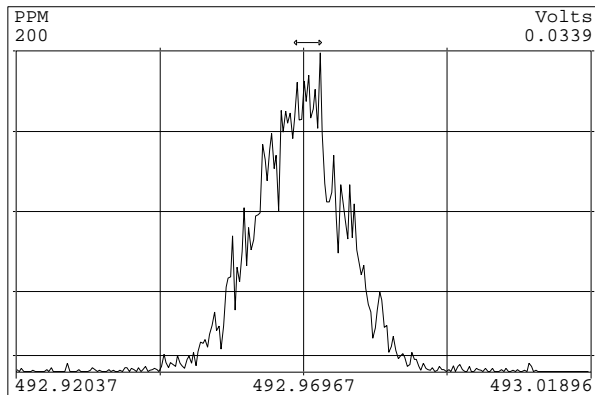
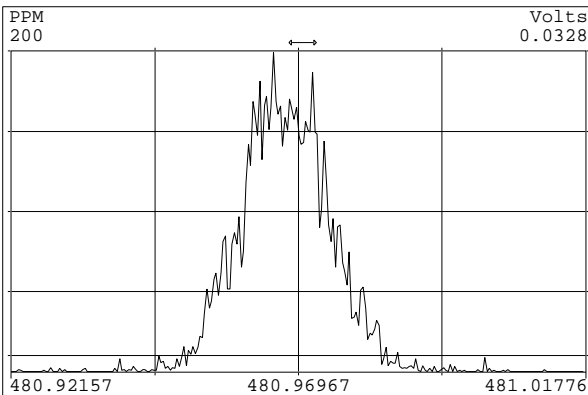
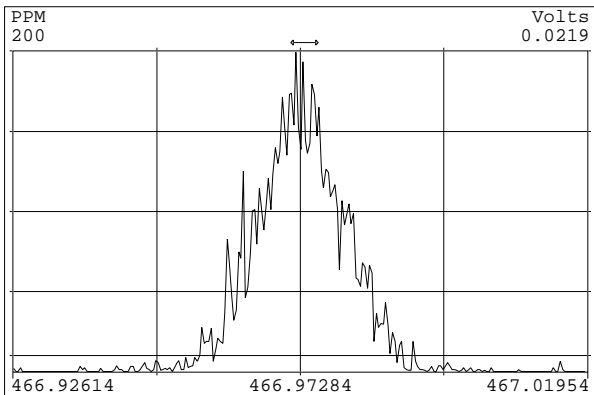
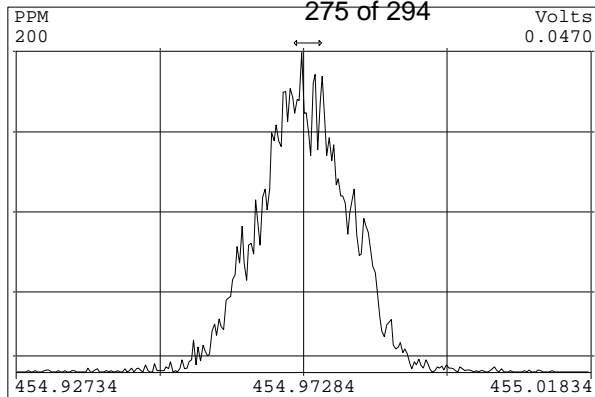
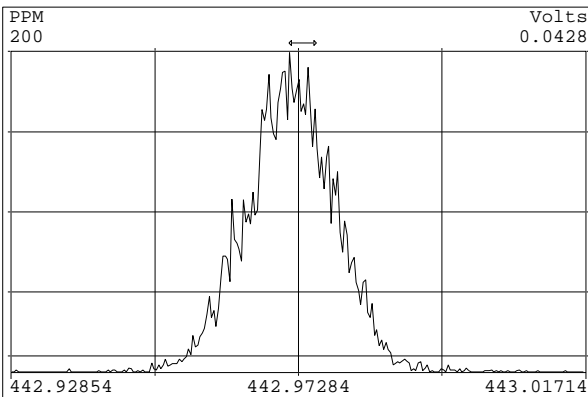
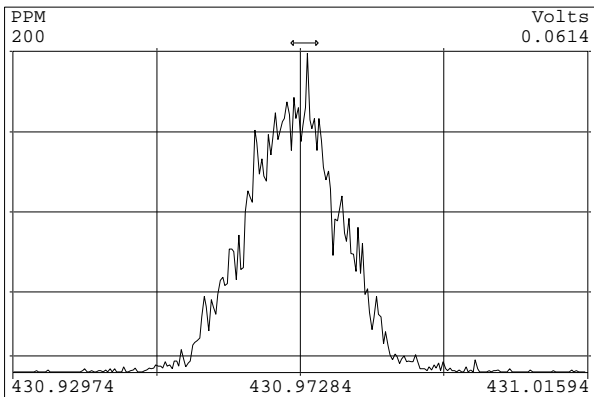












Lab ID: OPR1_10910_DF

Acq'd: 12 May 2013 04:36 MDC

Wt/Vol: 1.00 L

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_10910_OPR001

UTP: 14-May-2013 13:27 MDC

J-level: 5 pg/L Split: 1

Checkcode: 043-864-CTN

Datafile: 130511P3-02

Report: 14 May 2013 13:28 MC

Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.40		1.0010	1.0010	0	2.24E+06	0.82	Y	1.06	10.8	1082	0.0607
12378-PeCDD	33.69		1.0006	1.0007	+0.2	8.05E+06	1.57	Y	0.94	57.4	1131	0.0757
123478-HxCDD	38.33		1.0004	1.0005	+0.2	7.16E+06	1.27	Y	1.02	53.1	1239	0.0806
123678-HxCDD	38.46		1.0039	1.0040	+0.2	7.17E+06	1.29	Y	1.04	53.9	1239	0.0849
123789-HxCDD	38.80		1.0127	1.0128	+0.2	7.00E+06	1.26	Y	0.98	50.8	1239	0.0813
1234678-HpCDD	42.48		1.0004	1.0003	-0.3	5.92E+06	1.04	Y	1.02	51.5	1007	0.0742
OCDD	46.18		1.0004	1.0003	-0.3	9.09E+06	0.89	Y	1.08	106	779	0.0993
2378-TCDF	26.40		1.0009	1.0010	+0.2	2.96E+06	0.80	Y	0.97	10.8	1260	0.0553
12378-PeCDF	31.96		1.0006	1.0007	+0.2	1.25E+07	1.51	Y	1.00	52.2	1353	0.0569
23478-PeCDF	33.28		1.0006	1.0006	0	1.24E+07	1.52	Y	0.96	54.1	1353	0.0576
123478-HxCDF	37.16		1.0005	1.0005	0	9.87E+06	1.23	Y	1.23	50.9	2394	0.108
123678-HxCDF	37.32		1.0005	1.0005	0	1.06E+07	1.26	Y	1.14	50.9	2394	0.102
234678-HxCDF	38.11		1.0005	1.0005	0	1.01E+07	1.22	Y	1.14	53.4	2394	0.123
123789-HxCDF	39.22		1.0005	1.0004	-0.2	8.55E+06	1.24	Y	1.13	50.9	2394	0.135
1234678-HpCDF	41.20		1.0004	1.0004	0	8.54E+06	1.00	Y	1.34	54.3	945	0.0576
1234789-HpCDF	43.09		1.0004	1.0004	0	7.20E+06	1.02	Y	1.30	52.3	945	0.0615
OCDF	46.43		1.0004	1.0004	0	1.11E+07	0.90	Y	1.00	109	973	0.111

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.37		1.0280	1.0281	+0.2	1.94E+07	0.79	Y	1.01	90.5
ES 12378-PeCDD	33.66		1.2634	1.2646	+1.9	1.50E+07	1.63	Y	0.90	78.7
ES 123478-HxCDD	38.31		0.9909	0.9908	-0.2	1.32E+07	1.27	Y	0.99	84.5
ES 123678-HxCDD	38.44		0.9944	0.9943	-0.2	1.28E+07	1.26	Y	1.02	80
ES 123789-HxCDD	38.78		1.0031	1.0030	-0.2	1.41E+07	1.27	Y	1.12	80.6
ES 1234678-HpCDD	42.47		1.0981	1.0985	+0.9	1.13E+07	1.04	Y	0.90	79.5
ES OCDD	46.17		1.1942	1.1940	-0.5	1.59E+07	0.90	Y	0.74	68.4
ES 2378-TCDF	26.38		1.0616	1.0621	+0.7	2.82E+07	0.78	Y	1.05	85
ES 12378-PeCDF	31.94		1.2843	1.2862	+2.8	2.40E+07	1.57	Y	0.88	86.8
ES 23478-PeCDF	33.26		1.3372	1.3393	+3.1	2.38E+07	1.53	Y	0.91	82.9
ES 123478-HxCDF	37.14		0.9607	0.9605	-0.5	1.57E+07	0.51	Y	1.25	80.3
ES 123678-HxCDF	37.30		0.9650	0.9649	-0.2	1.83E+07	0.51	Y	1.40	83.4
ES 234678-HxCDF	38.09		0.9852	0.9852	0	1.66E+07	0.52	Y	1.29	81.8
ES 123789-HxCDF	39.20		1.0139	1.0140	+0.2	1.48E+07	0.54	Y	1.17	81.1
ES 1234678-HpCDF	41.19		1.0651	1.0652	+0.2	1.17E+07	0.43	Y	1.03	72.7
ES 1234789-HpCDF	43.07		1.1137	1.1140	+0.7	1.06E+07	0.44	Y	0.89	76.4
ES OCDF	46.41		1.2004	1.2003	-0.2	2.04E+07	0.90	Y	1.00	65.2

Analytical Perspective:

APPROVED
By Amy Boehm at 2:26 pm, May 16, 2013

RT/QC Sheet 1 of 2

Lab ID: OPR1_10910_DF
 Client ID: 0_10910_OPR001
 Datafile: 130511P3-02

Acq'd: 12 May 2013 04:36 MDC
 UTP: 14-May-2013 13:27 MDC
 Report: 14 May 2013 13:28 MC

Wt/Vol: 1.00 L
 J-level: 5 pg/L Split: 1
 Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)
 ICAL: MM1_11012012A_DF_13FEB2013
 Checkcode: 043-864-CTN

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	26.62		-	-	-	2.12E+07	0.83	Y	-	-
JS 1234-TCDF	24.83		-	-	-	3.15E+07	0.77	Y	-	-
JS 123467-HxCDD	38.66		-	-	-	7.83E+06	1.27	Y	-	-
CS 37Cl-2378-TCDD	27.39		1.0289	1.0291	+0.3	8.87E+06	n/a	-	1.10	95.2
CS 12347-PeCDD	33.08		1.2412	1.2426	+2.2	1.72E+07	1.60	Y	0.79	102
CS 12346-PeCDF	31.33		1.2593	1.2616	+3.4	2.69E+07	1.59	Y	0.87	98.6
CS 123469-HxCDF	37.67		0.9745	0.9744	-0.2	1.75E+07	0.52	Y	1.21	92.5
CS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.16E+07	0.46	Y	0.89	82.9
SS 37Cl-2378-TCDD	27.39		1.0289	1.0291	+0.3	8.87E+06	n/a	-	1.09	105
SS 12347-PeCDD	33.08		1.2412	1.2426	+2.2	1.72E+07	1.60	Y	0.89	130
SS 12346-PeCDF	31.33		1.2593	1.2616	+3.4	2.69E+07	1.59	Y	0.99	113
SS 123469-HxCDF	37.67		0.9745	0.9744	-0.2	1.75E+07	0.52	Y	0.87	111
SS 1234689-HpCDF	41.76		1.0797	1.0800	+0.7	1.16E+07	0.46	Y	0.87	114
AS 1368-TCDD	23.24		0.8733	0.8730	-0.5	2.04E+07	0.81	Y	1.00	96.6
AS 1368-TCDF	21.11		0.8479	0.8500	+3.1	3.49E+07	0.78	Y	1.20	92.3
FS 1278-TCDD	NotFnd		1.0139							
FS 12478-PeCDD	NotFnd		0.9571							
FS 123468-HxCDD	NotFnd		0.9674							
FS 1234679-HpCDD	NotFnd		0.9789							
TS 1378-TCDD	NotFnd		0.9313							

Totals	Conc	EMPC		
Total TCDD	34.4	34.4	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	79.5	79.5	Original Values	Corrected Values
Total HxCDD	167	167	Ratio 0.82	0.82
Total HpCDD	60.5	60.5	Response 2.24E+06	2.24E+06
Total Tetra-Octa Dioxins	447	447		
Total TCDF	40.5	40.5		
Total PeCDF	126	126		
Total HxCDF	292	292		
Total HpCDF	107	107		
Total Tetra-Octa Furans	674	674		
Total Tetra-Octa Dioxins & Furans	1120	1120		

METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.8	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	57.4	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	53.1	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	53.9	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	50.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	51.5	35	- 70	Y
OCDD	100	106	78	- 144	Y
2,3,7,8-TCDF	10	10.8	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	52.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	54.1	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	50.9	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	50.9	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.4	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	50.9	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	54.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	52.3	39	- 69	Y
OCDF	100	109	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	90.5	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	78.7	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	84.5	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	80.6	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	79.5	26	-	166	Y
13C-OCDD	200	137	26	-	397	Y
13C-2,3,7,8-TCDF	100	85	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	86.8	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	82.9	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	80.3	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	83.4	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	81.8	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	81.1	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	72.7	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	76.4	20	-	186	Y
13C-OCDF	200	130	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	38.1	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 14 May 2013 13:28 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130511P3-02 Analysis Date: 12-MAY-2013 04:36:23
 Lab ID: OPR1_10910_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.27	1289-TCDD	28.56
12479/12468-PeCDD	30.77	12389-PeCDD	34.21
124679/124689-HxCDD	36.30	123789-HxCDD	38.80
1234679-HpCDD	41.59	1234678-HpCDD	42.48
1368-TCDF	21.14	1289-TCDF	28.76
13468/12468-PeCDF	28.69	12389-PeCDF	34.55
123468-HxCDF	35.50	123789-HxCDF	39.22
1234678-HpCDF	41.20	1234789-HpCDF	43.09

Isomer Specificity Test Standard Results

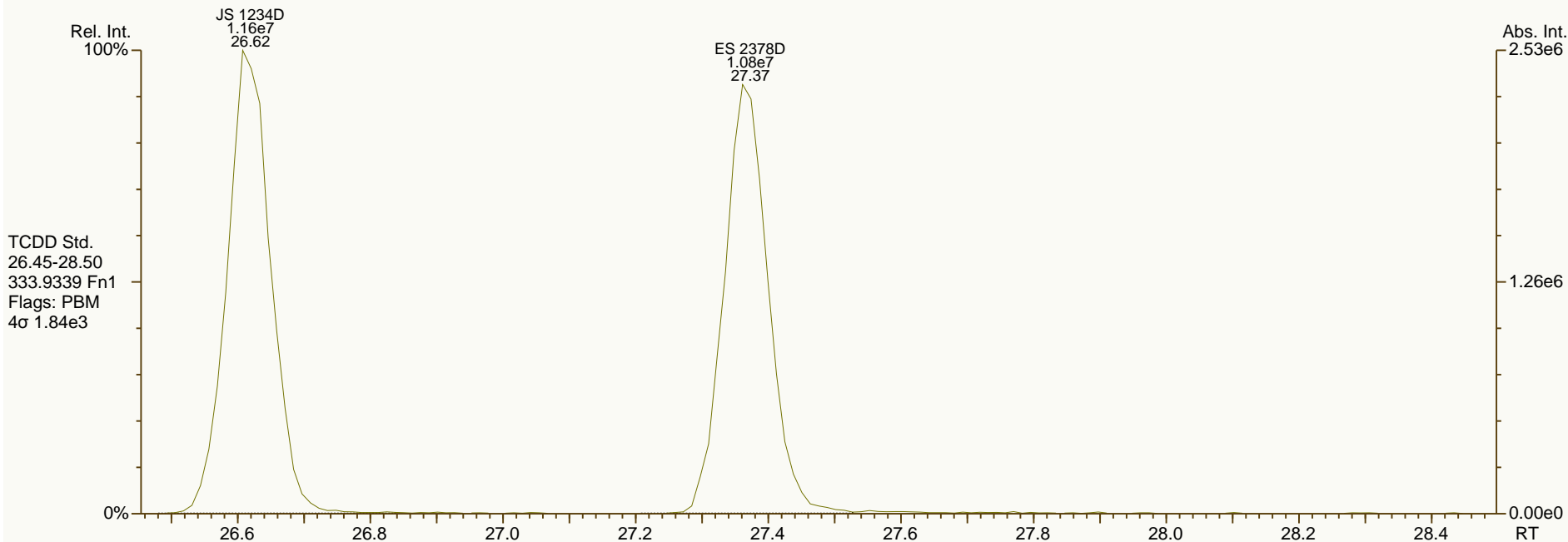
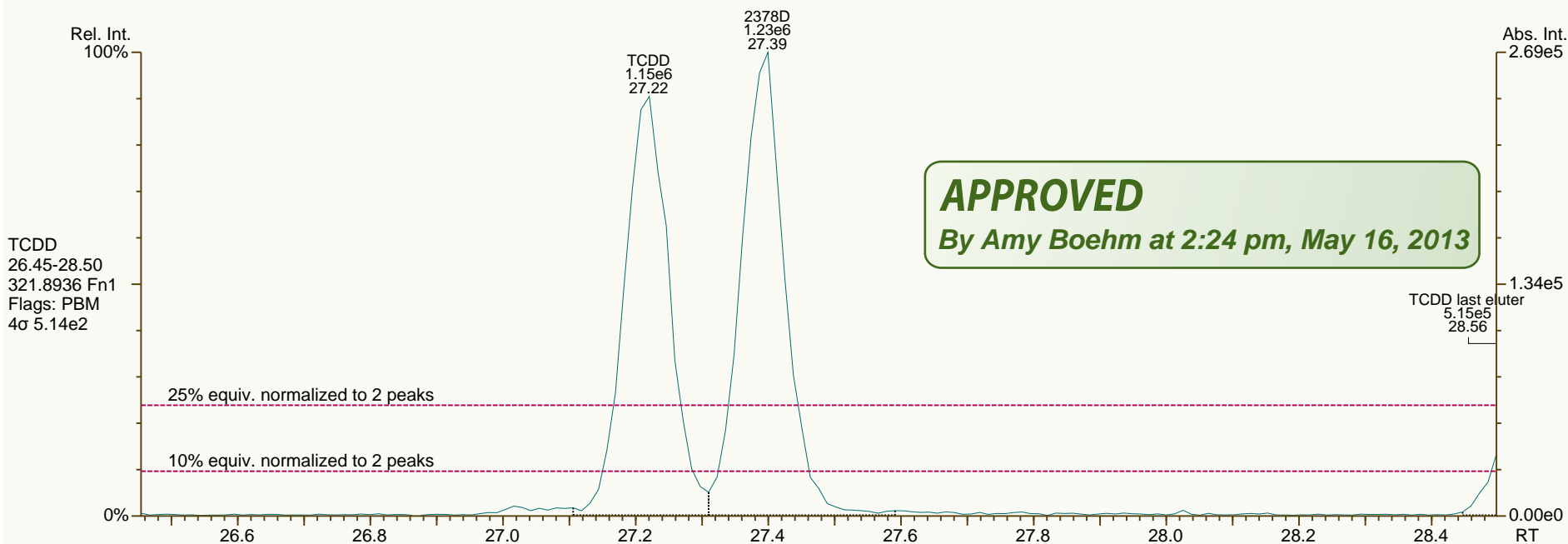
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.22	2378-TCDD	27.40
2348-TCDF	26.28	2378-TCDF	26.40

Processed: 14 May 2013 13:28 Analyst: MC

SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

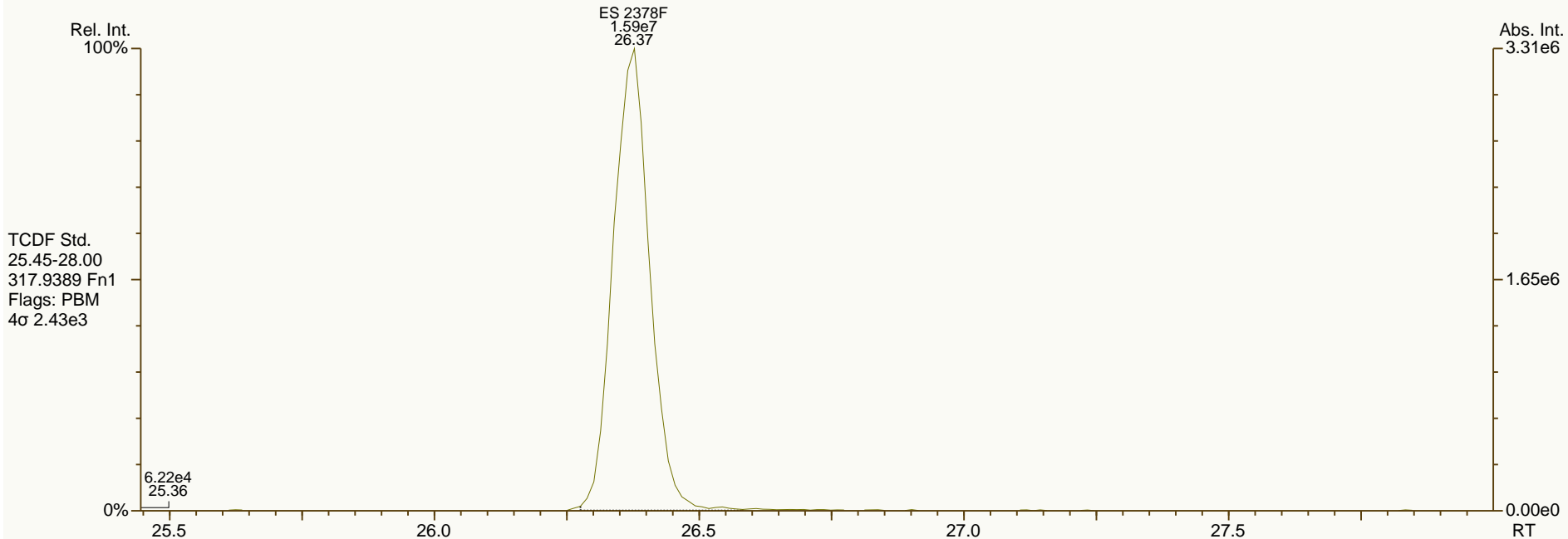
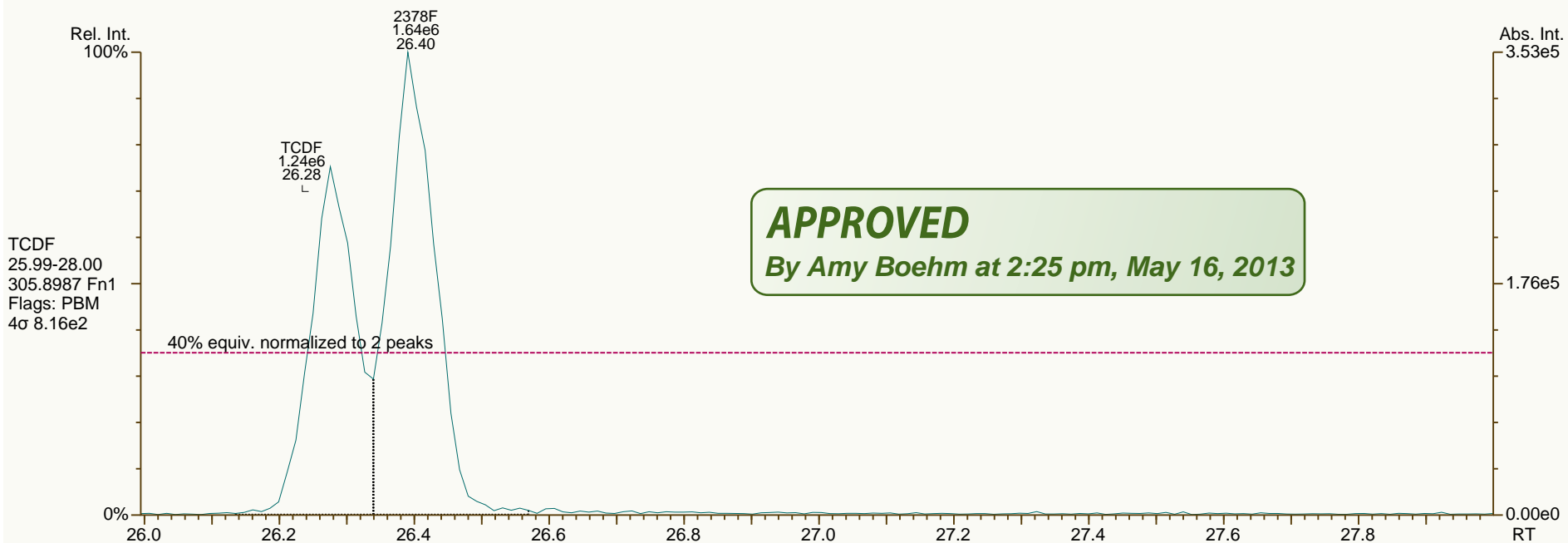
Acq: 12-MAY-2013 04:36:23
 User: MDC Datafile: 130511P3-02



SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

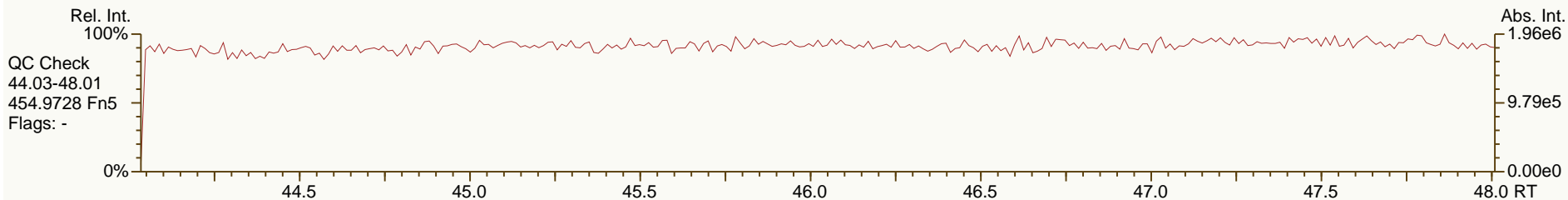
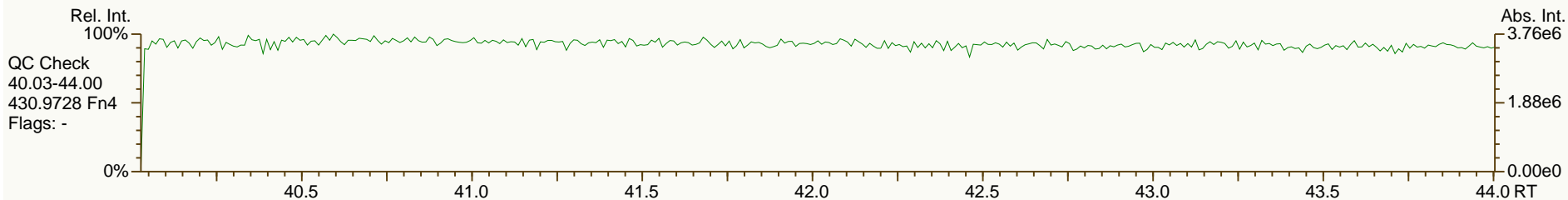
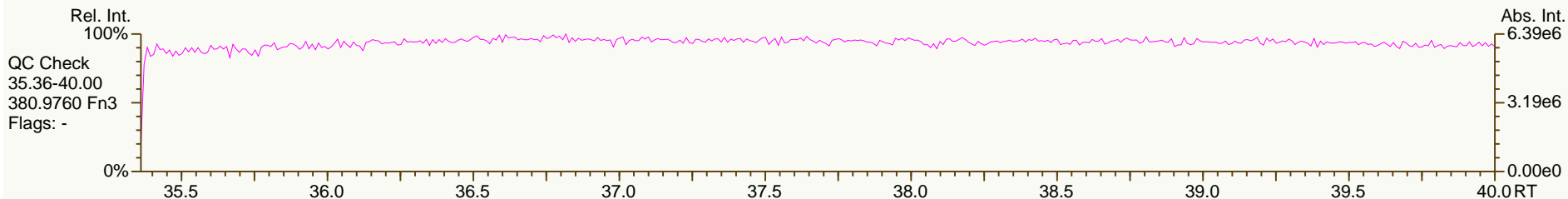
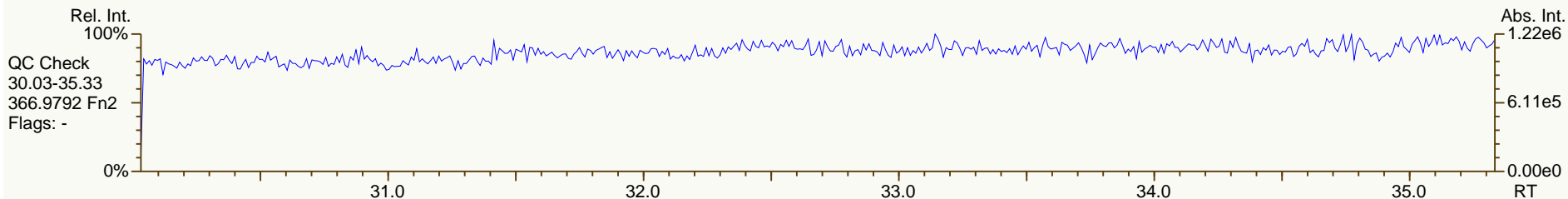
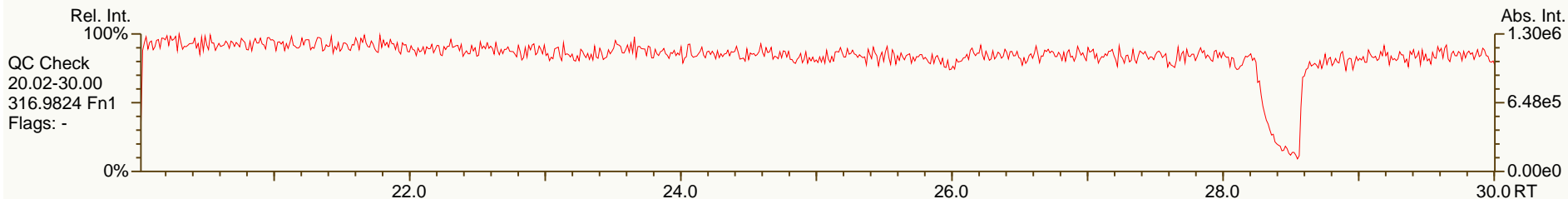
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

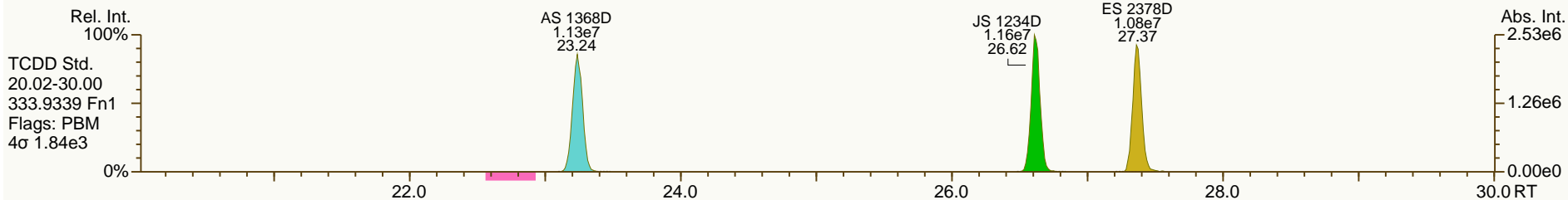
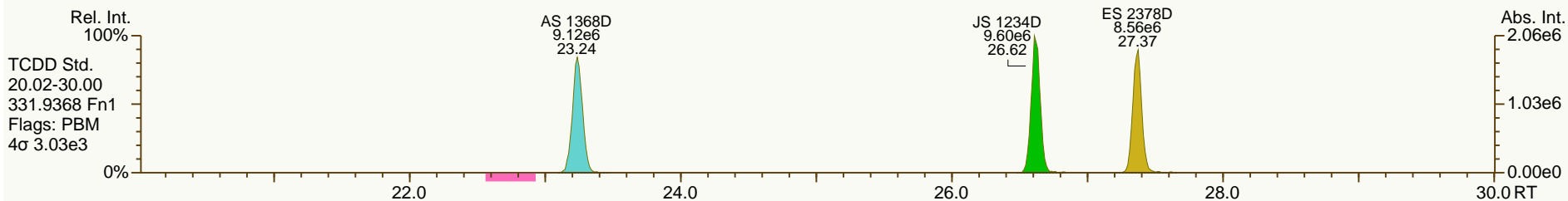
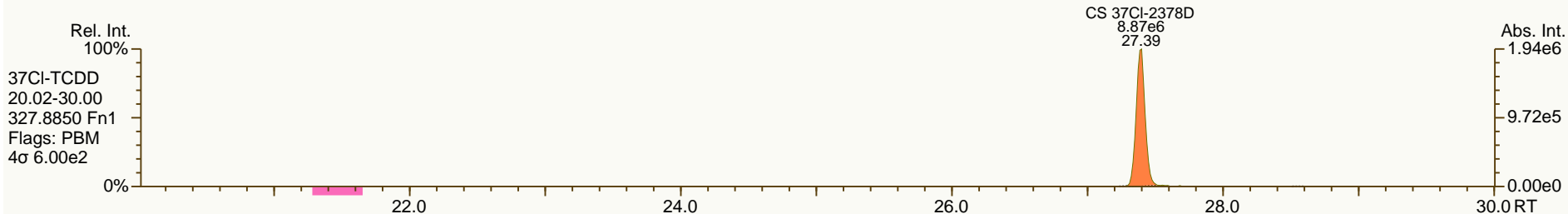
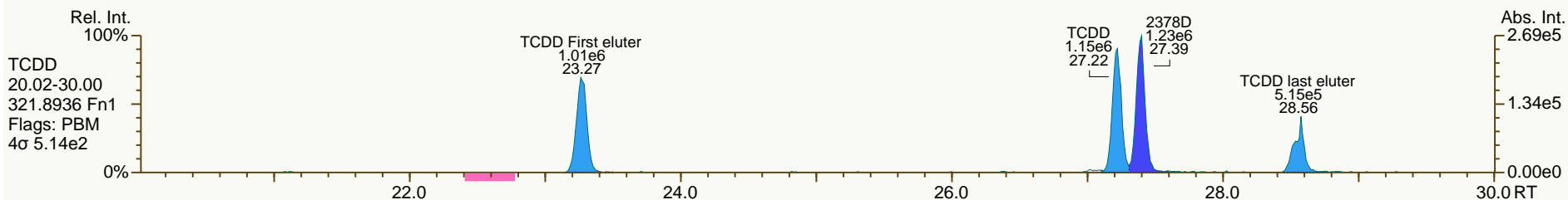
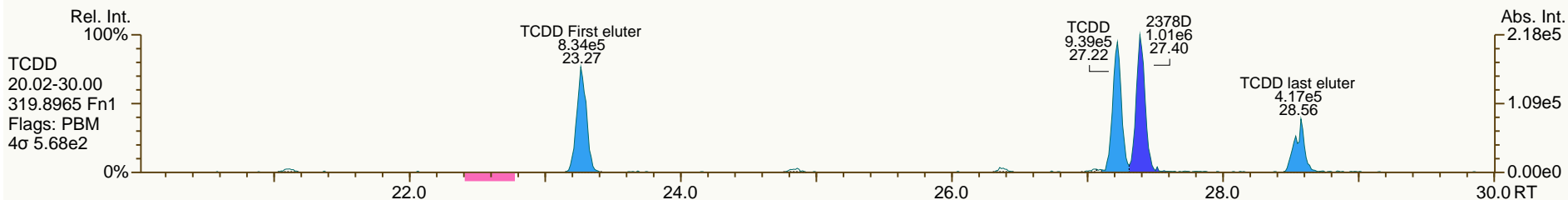
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

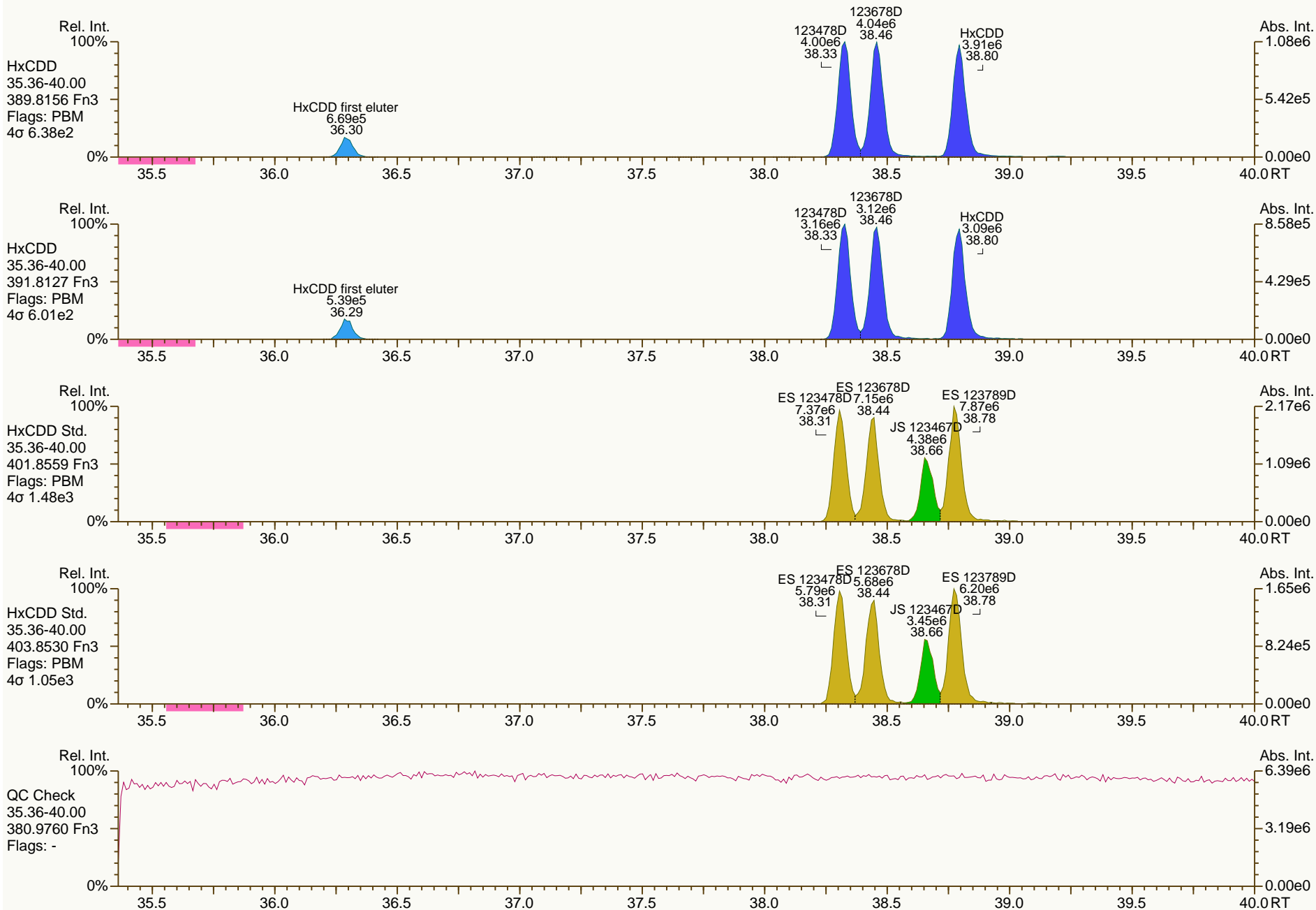
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SGS-AP ID: OPR1_10910_DF
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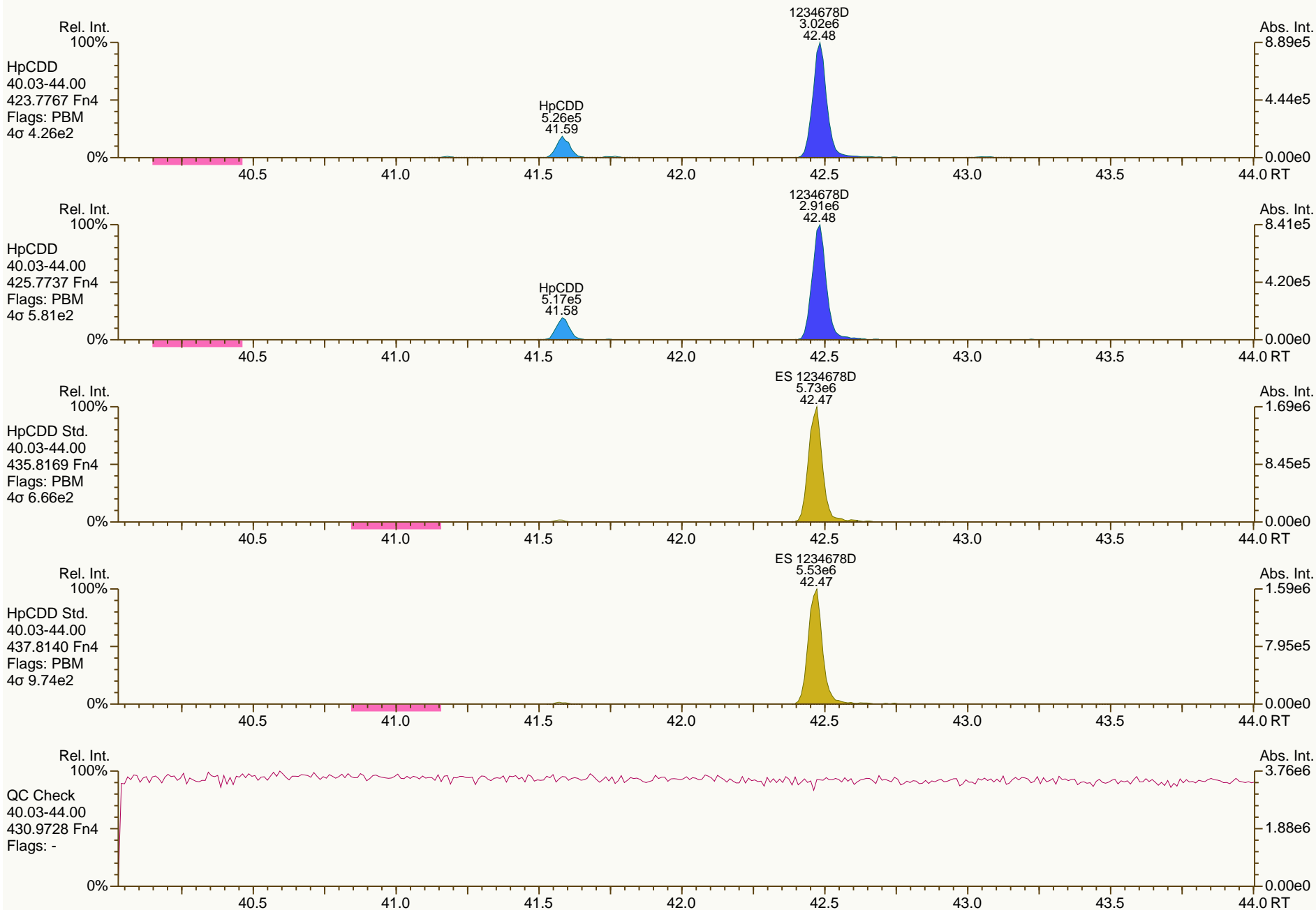
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 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

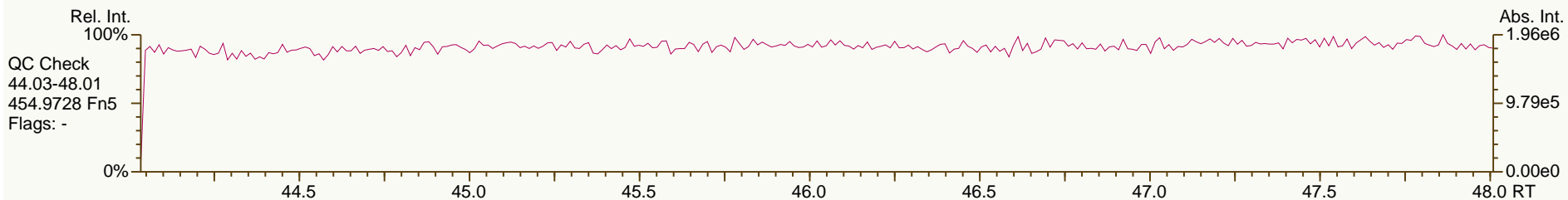
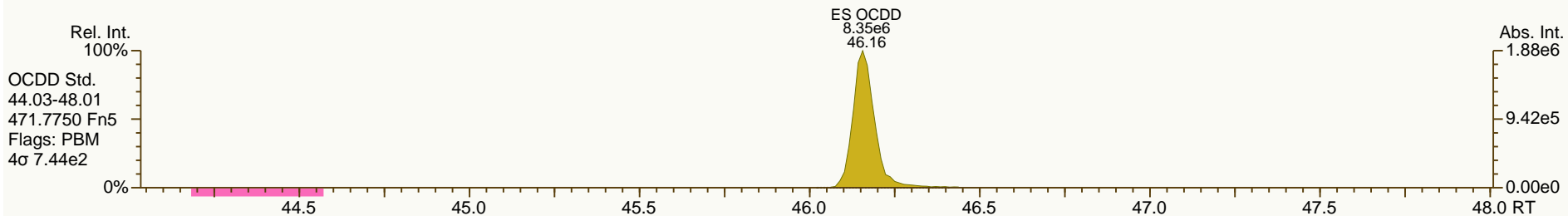
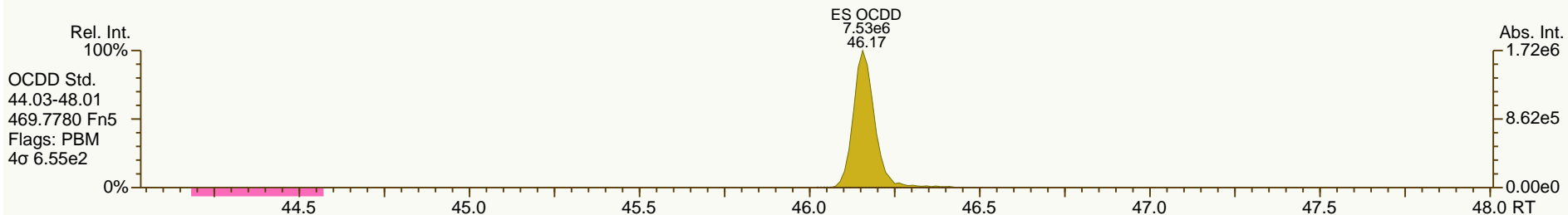
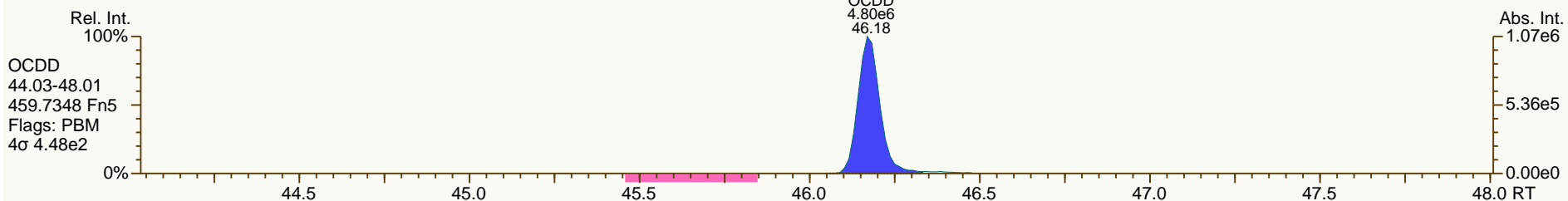
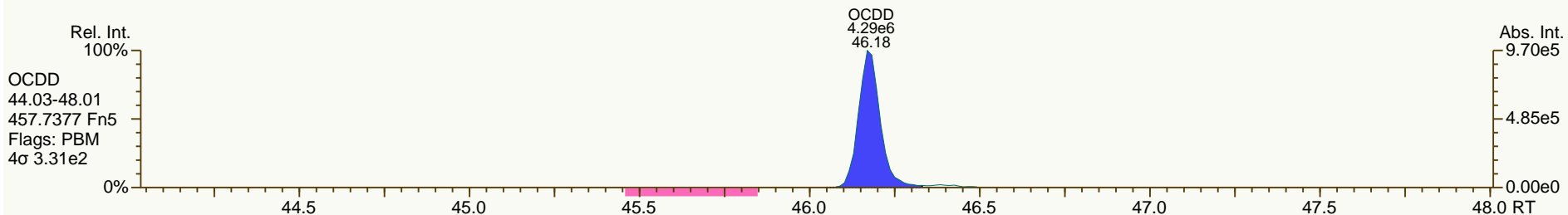
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SGS-AP ID: OPR1_10910_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

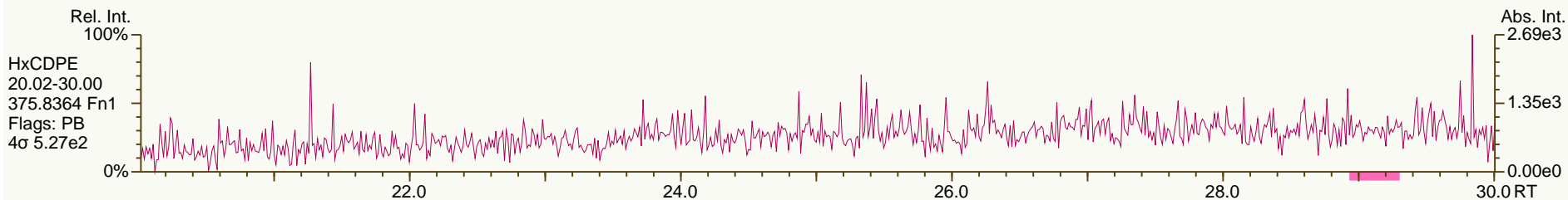
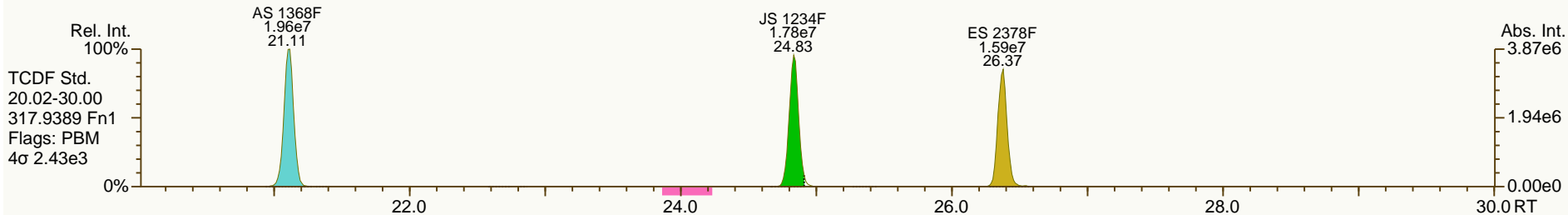
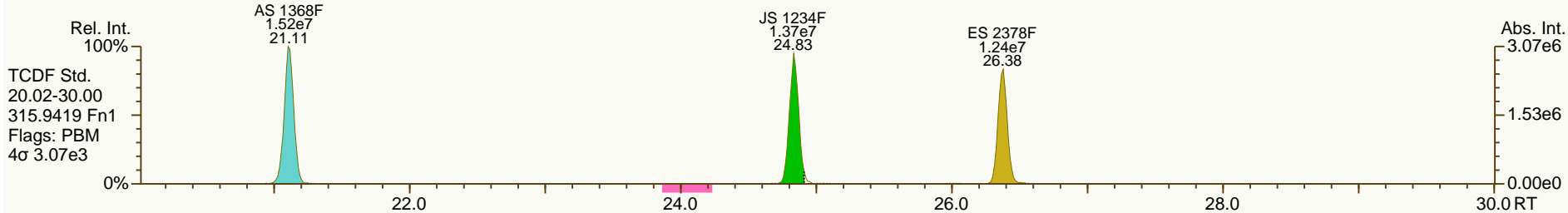
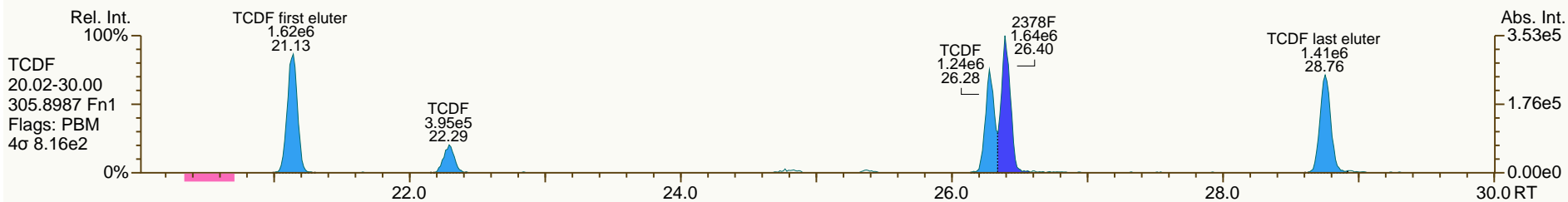
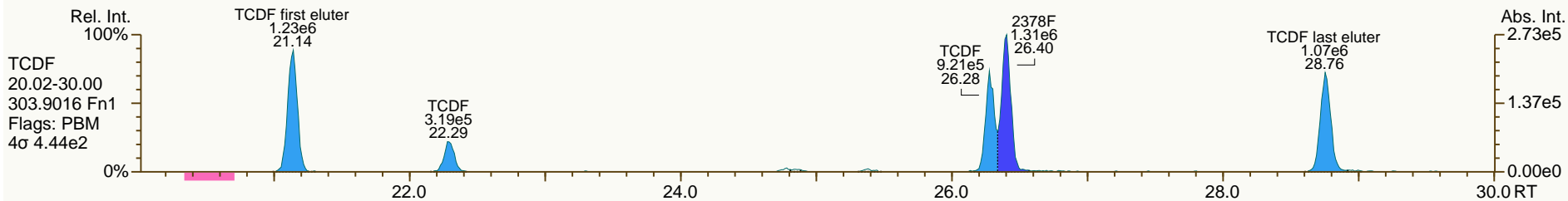
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
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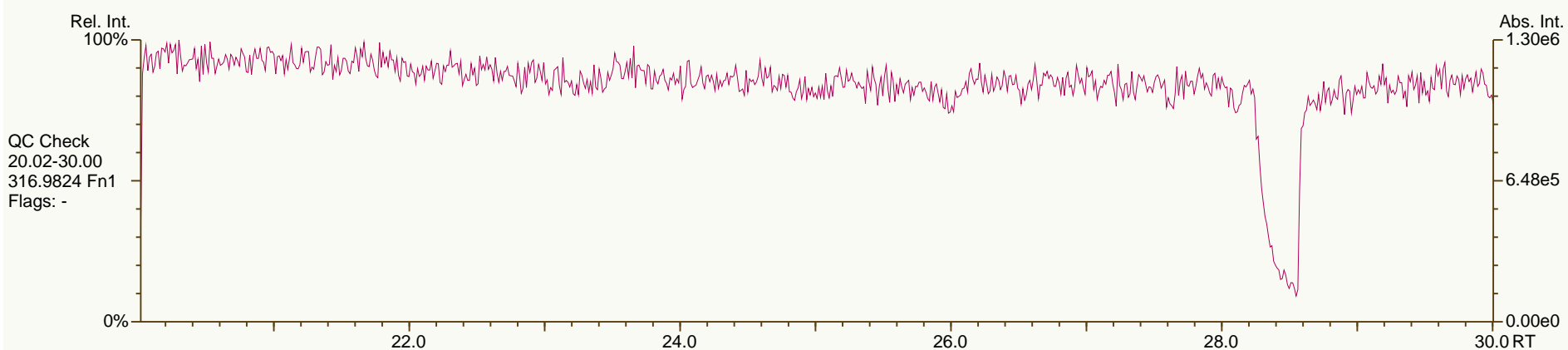
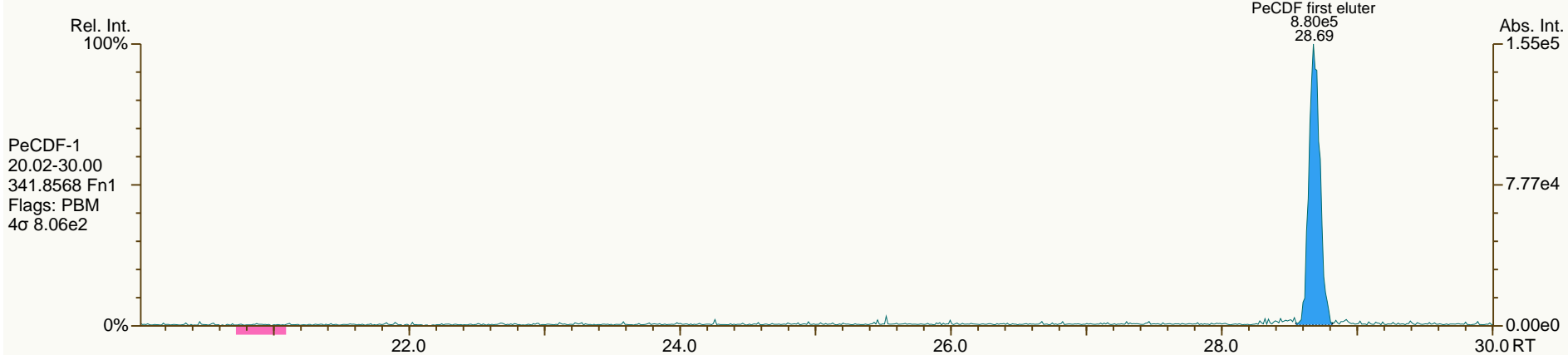
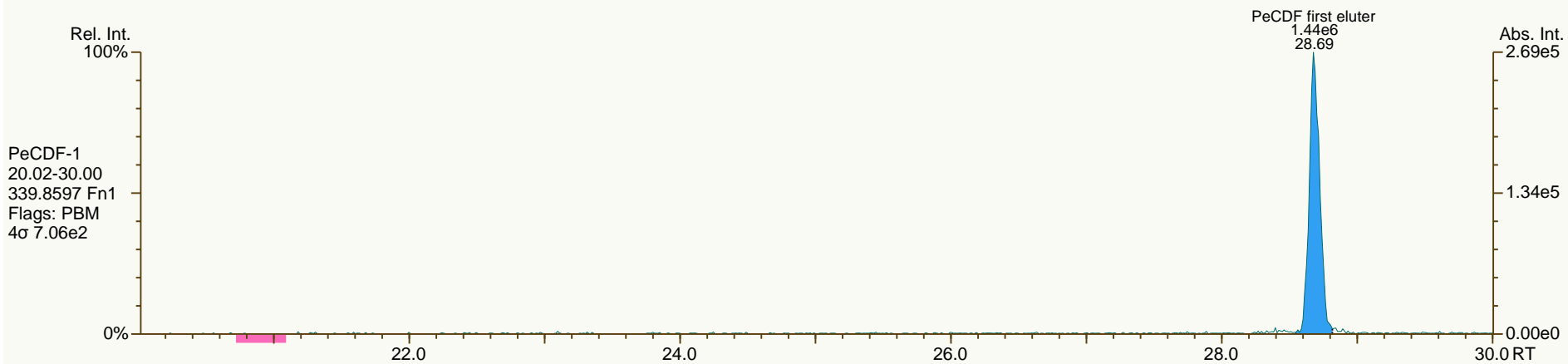
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SGS-AP ID: OPR1_10910_DF
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Sample ID: 0_10910_OPR001
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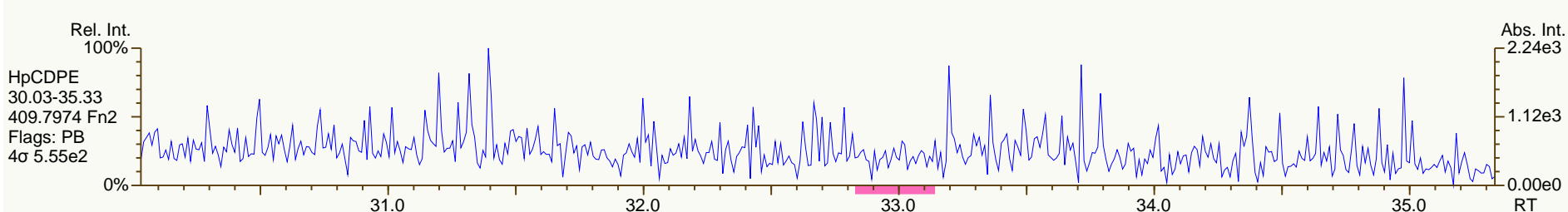
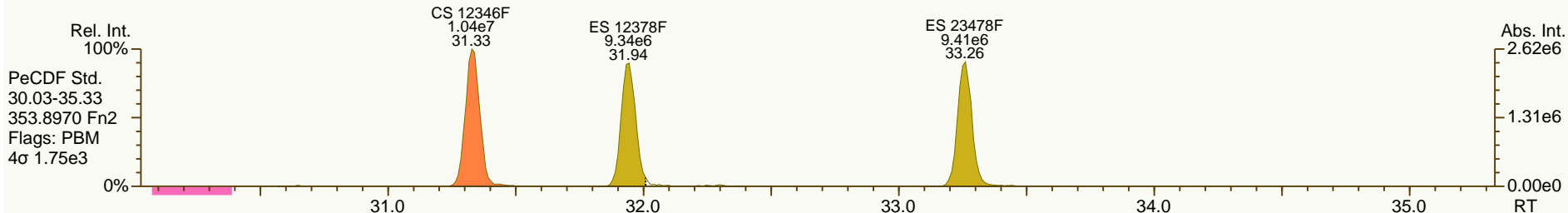
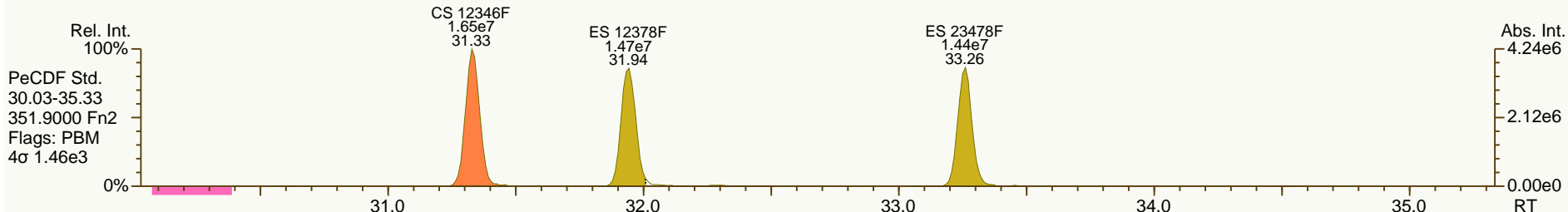
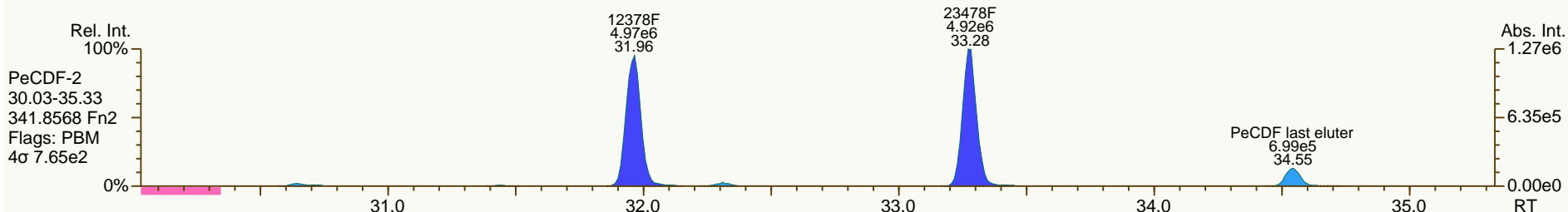
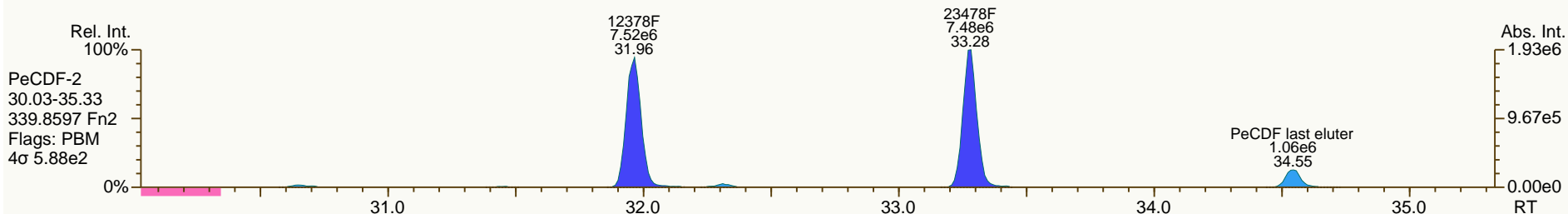
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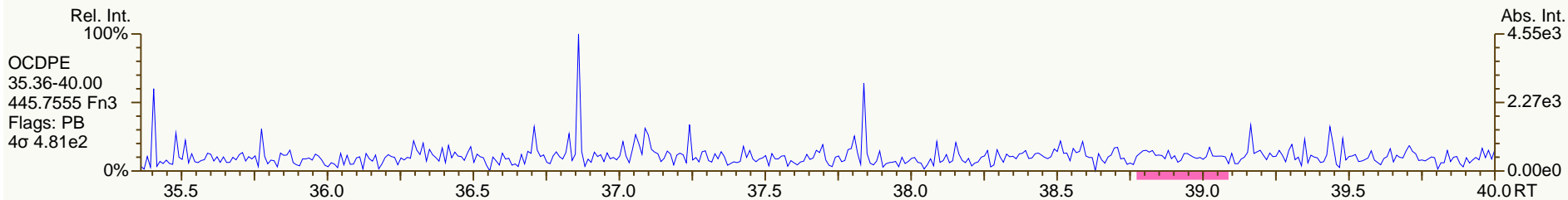
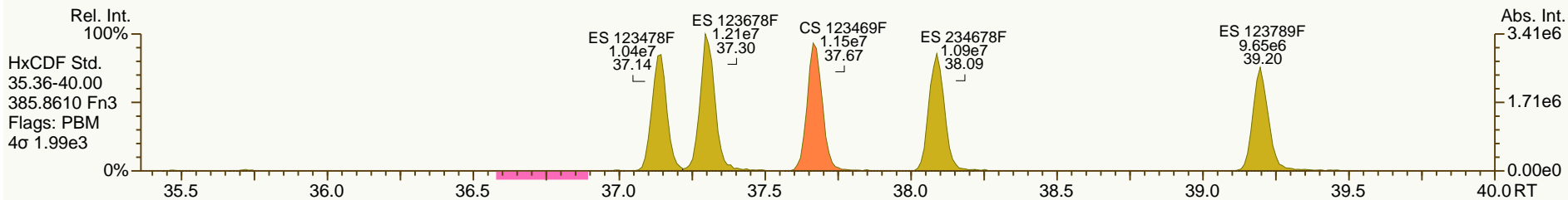
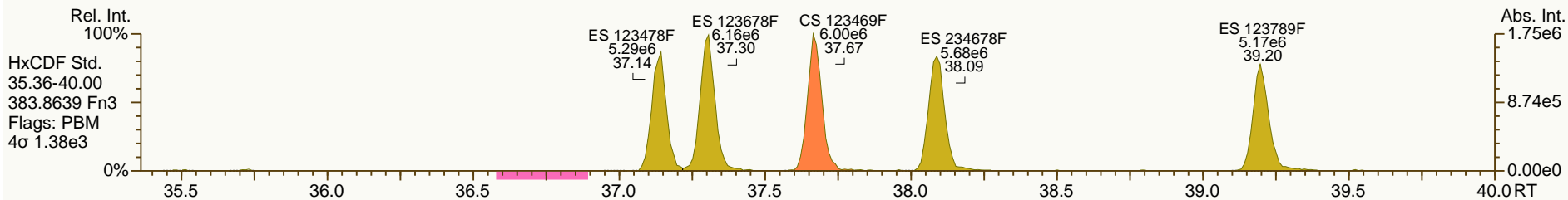
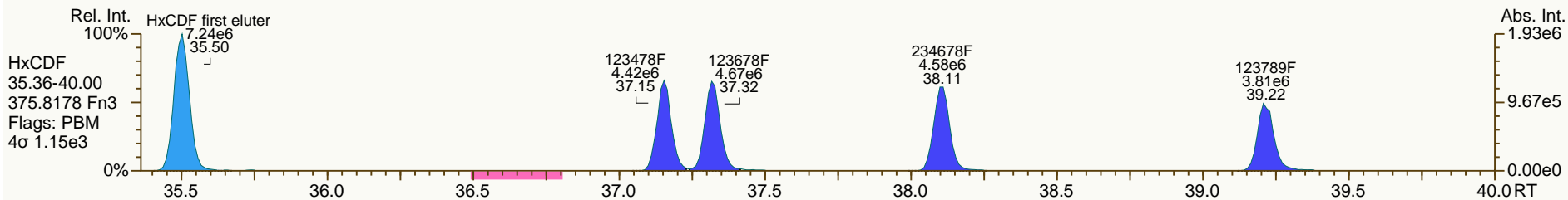
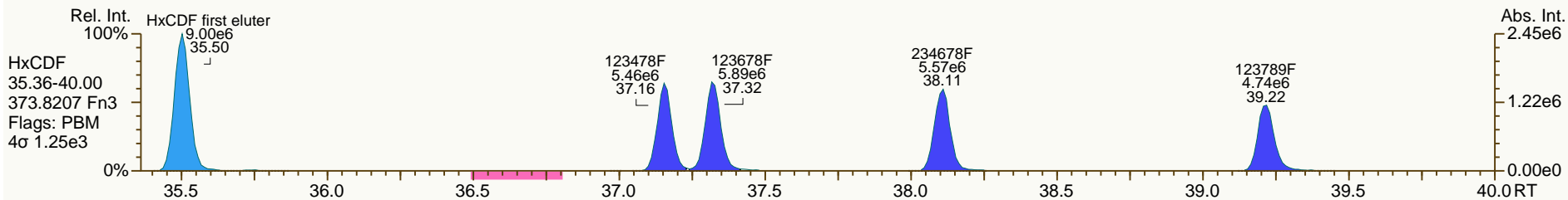
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SGS-AP ID: OPR1_10910_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

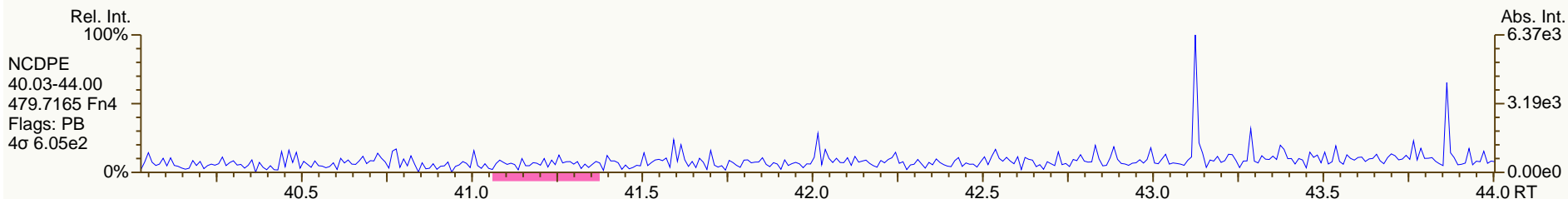
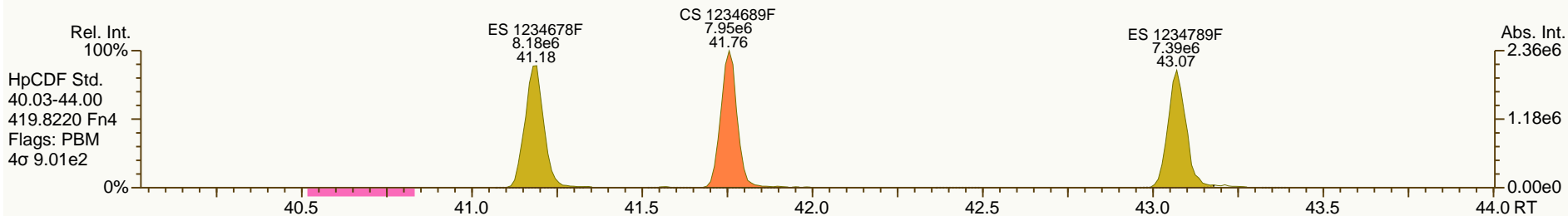
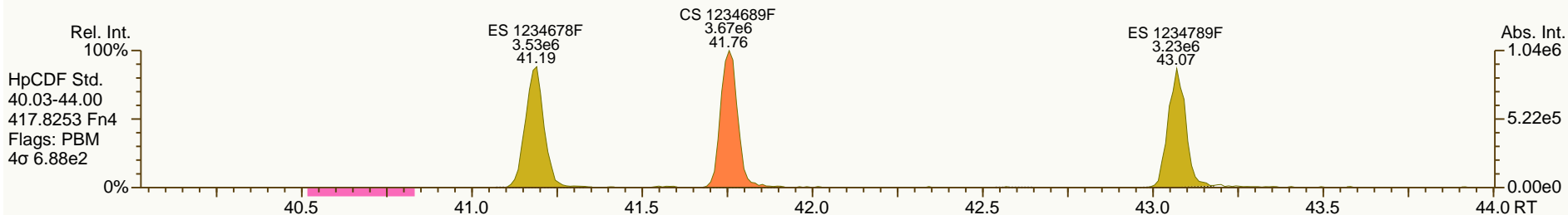
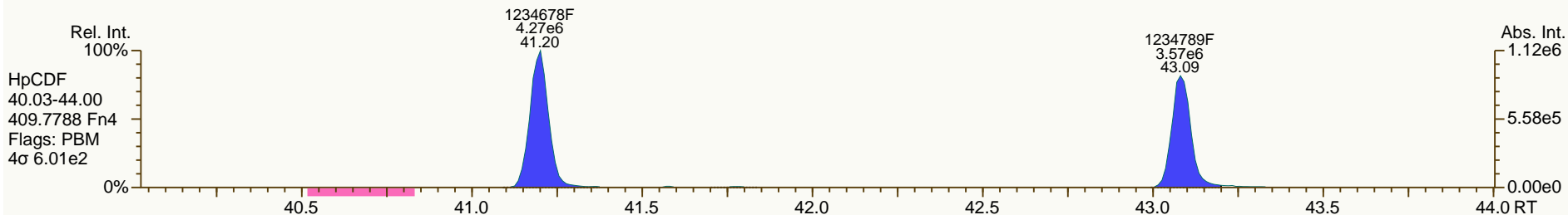
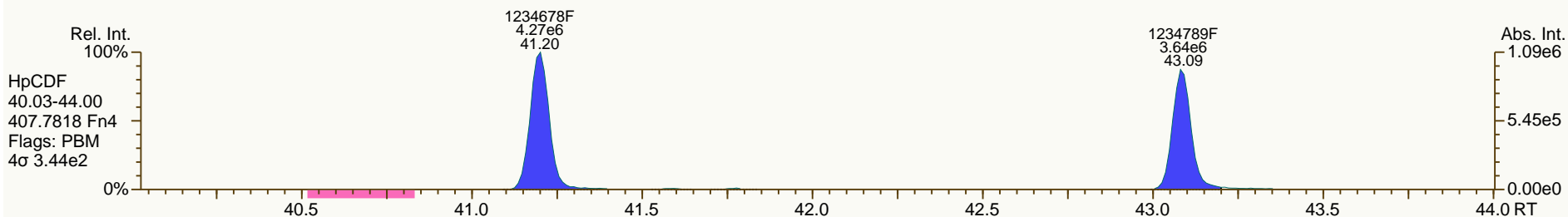
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

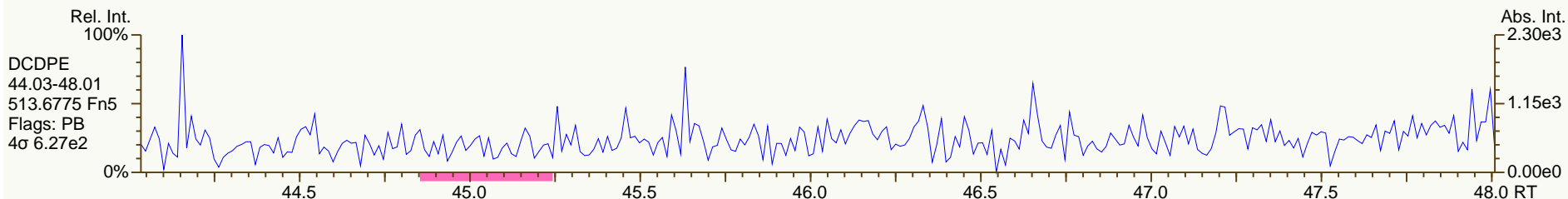
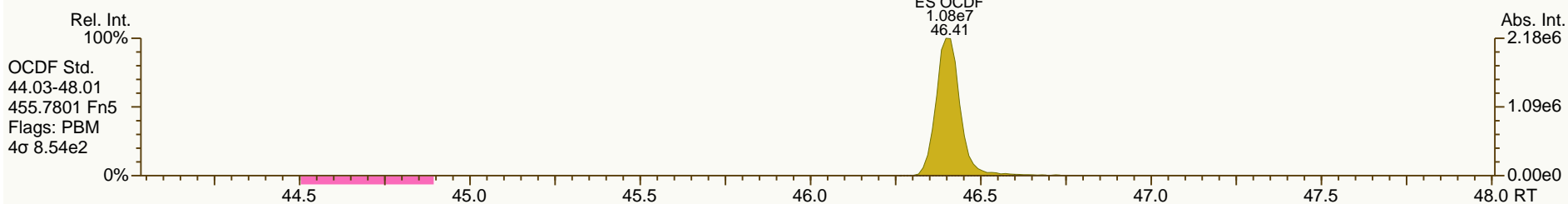
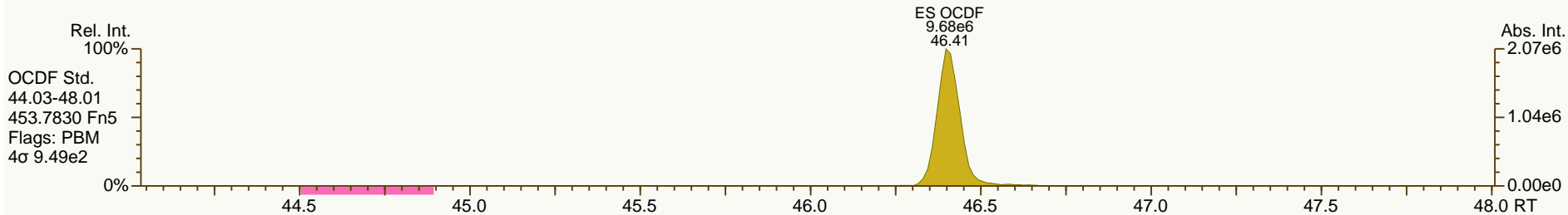
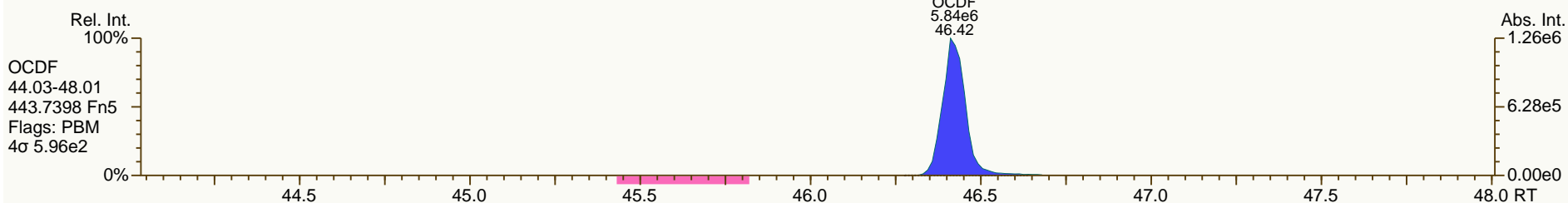
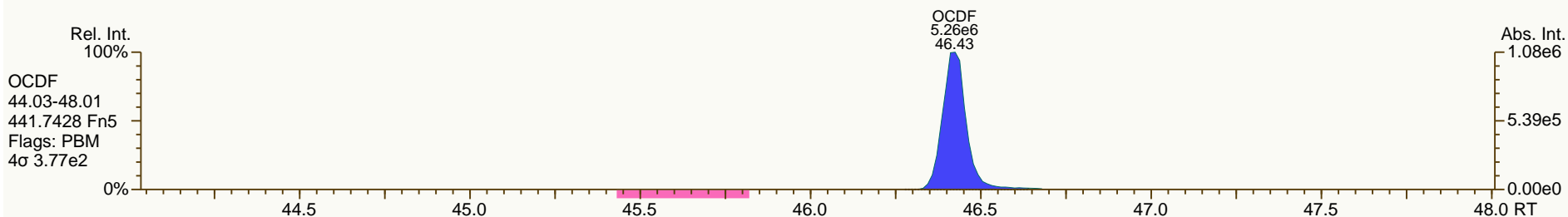
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SGS-AP ID: OPR1_10910_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_10910_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 62

Acq: 12-MAY-2013 04:36:23
 User: MDC Datafile: 130511P3-02





25 July 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated dibenzo-*p*-dioxins, -dibenzofurans and polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen - archives
AP Project #	A5698
Analytical Protocol	Methods 1613B and 1668A
No. Samples Submitted	12 samples for M1613B, 8 for M1668A
No. Samples Analyzed	12 samples for M1613B, 8 for M1668A
No. Laboratory Method Blanks	2
No. OPRs / Batch CS3	2
No. Outstanding Samples	0
Date Received	4/25/2013 - 5/1/2013
Condition Received	good
Temperature upon Receipt (C)	3.4-5.9
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Archived samples from previous SDGs were released from hold and analyzed in this project A5698.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Amy Boehm
 cn=Amy Boehm, o=SGS, ou,
 email=amy.boehm@sgs.com, c=US
 2013.07.25 14:55:10 -04'00'

Amy J. Boehm
 Senior Project Manager



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES	
>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.
APPENDIX B: LAB ID IDENTIFIERS	
AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: JW-SS-211-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.29 g	Lab Sample ID:	A5698_11123_DF_004	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	59.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	15:52:27
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.205			J	ES 2378-TCDD	94.2	
12378-PeCDD	0.74			J	ES 12378-PeCDD	99.7	
123478-HxCDD	1.43			J	ES 123478-HxCDD	89.2	
123678-HxCDD	3.78			J	ES 123678-HxCDD	80.5	
123789-HxCDD	2.36			J	ES 123789-HxCDD	84.5	
1234678-HpCDD	55				ES 1234678-HpCDD	94.9	
OCDD	428				ES OCDD	80.6	
2378-TCDF	1.57				ES 2378-TCDF	93.5	
12378-PeCDF	0.532			J	ES 12378-PeCDF	91.7	
23478-PeCDF	0.903			J	ES 23478-PeCDF	95.4	
123478-HxCDF	0.784			J	ES 123478-HxCDF	89.3	
123678-HxCDF	0.673			J	ES 123678-HxCDF	91.6	
234678-HxCDF	0.99			J	ES 234678-HxCDF	92.7	
123789-HxCDF	ND	0.158			ES 123789-HxCDF	96.4	
1234678-HpCDF	9.74				ES 1234678-HpCDF	88.6	
1234789-HpCDF	EMPC		0.557	J	ES 1234789-HpCDF	95.7	
OCDF	23.1				ES OCDF	82	
Totals					Standard	CS/AS Recoveries	
Total TCDD	17.1		17.1		CS 37Cl-2378-TCDD	96.1	
Total PeCDD	14		14.5		CS 12347-PeCDD	119	
Total HxCDD	39.9		40.6		CS 12346-PeCDF	99.8	
Total HpCDD	127		127		CS 123469-HxCDF	98.6	
Total TCDF	15.2		16.7		CS 1234689-HpCDF	96.7	
Total PeCDF	9.08		10.9		AS 1368-TCDD	101	
Total HxCDF	15.4		15.6		AS 1368-TCDF	93.9	
Total HpCDF	26.2		26.8				
Total PCDD/Fs	715		720				
ITEF TEQs							
TEQ: ND=0	3.31		3.32				
TEQ: ND=DL/2	3.32	0.283	3.32				
TEQ: ND=DL	3.33	0.567	3.33				



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Wilmington, NC 28405, USA

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Tel: +1 910 794-1613; Toll-Free 866 846-8290; Fax: +1 910 794-3919

Sample ID: JW-SS-214-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.47 g	Lab Sample ID:	A5698_11123_DF_005	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	52.1 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	16:45:02
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.872			J	ES 2378-TCDD	92	
12378-PeCDD	2.35			J	ES 12378-PeCDD	101	
123478-HxCDD	4.06			J	ES 123478-HxCDD	92.1	
123678-HxCDD	11.4				ES 123678-HxCDD	85.5	
123789-HxCDD	9.07				ES 123789-HxCDD	86.7	
1234678-HpCDD	177				ES 1234678-HpCDD	101	
OCDD	1150				ES OCDD	88.6	
2378-TCDF	3.96				ES 2378-TCDF	89.9	
12378-PeCDF	1.34			J	ES 12378-PeCDF	94	
23478-PeCDF	2.68			J	ES 23478-PeCDF	95.1	
123478-HxCDF	2.54			J	ES 123478-HxCDF	91.4	
123678-HxCDF	2.06			J	ES 123678-HxCDF	93	
234678-HxCDF	2.65			J	ES 234678-HxCDF	94.6	
123789-HxCDF	ND	0.195			ES 123789-HxCDF	101	
1234678-HpCDF	31.9				ES 1234678-HpCDF	95.6	
1234789-HpCDF	2.19			J	ES 1234789-HpCDF	100	
OCDF	91				ES OCDF	86.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	56.7		57.5		CS 37Cl-2378-TCDD	96	
Total PeCDD	47.3		47.9		CS 12347-PeCDD	120	
Total HxCDD	111		111		CS 12346-PeCDF	101	
Total HpCDD	352		352		CS 123469-HxCDF	105	
Total TCDF	47.2		47.7		CS 1234689-HpCDF	105	
Total PeCDF	31.9		32.2		AS 1368-TCDD	97.9	
Total HxCDF	52.8		53.3		AS 1368-TCDF	88	
Total HpCDF	90.3		90.3				
Total PCDD/Fs	2030		2030				
ITEF TEQs							
TEQ: ND=0	10.4		10.4				
TEQ: ND=DL/2	10.4	0.279	10.4				
TEQ: ND=DL	10.4	0.558	10.4				



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Sample ID: JW-SS-215-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.78 g	Lab Sample ID:	A5698_11123_DF_006	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	56.1 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	17:37:37
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		0.529	J	ES 2378-TCDD	93.5	
12378-PeCDD	1.38			J	ES 12378-PeCDD	94.8	
123478-HxCDD	2.07			J	ES 123478-HxCDD	89.9	
123678-HxCDD	7.27				ES 123678-HxCDD	82.1	
123789-HxCDD	4			J	ES 123789-HxCDD	86	
1234678-HpCDD	85				ES 1234678-HpCDD	94.3	
OCDD	575				ES OCDD	81.3	
2378-TCDF	4.06				ES 2378-TCDF	94.7	
12378-PeCDF	0.989			J	ES 12378-PeCDF	97.3	
23478-PeCDF	1.84			J	ES 23478-PeCDF	94	
123478-HxCDF	1.32			J	ES 123478-HxCDF	89.6	
123678-HxCDF	1.14			J	ES 123678-HxCDF	92.3	
234678-HxCDF	1.71			J	ES 234678-HxCDF	93.1	
123789-HxCDF	ND	0.175			ES 123789-HxCDF	96.9	
1234678-HpCDF	15.6				ES 1234678-HpCDF	92.7	
1234789-HpCDF	1.11			J	ES 1234789-HpCDF	94.4	
OCDF	27.7				ES OCDF	83.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	50.8		52.1		CS 37Cl-2378-TCDD	96.3	
Total PeCDD	34.9		45		CS 12347-PeCDD	116	
Total HxCDD	87.6		87.6		CS 12346-PeCDF	105	
Total HpCDD	201		201		CS 123469-HxCDF	101	
Total TCDF	40.1		44.1		CS 1234689-HpCDF	98.5	
Total PeCDF	23.9		24.5		AS 1368-TCDD	100	
Total HxCDF	29.4		29.4		AS 1368-TCDF	95.3	
Total HpCDF	41.2		41.8				
Total PCDD/Fs	1110		1130				
ITEF TEQs							
TEQ: ND=0	5.44		5.97				
TEQ: ND=DL/2	5.55	0.319	5.97				
TEQ: ND=DL	5.66	0.638	5.98				



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Sample ID: JW-SS-216-130429**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.47 g	Lab Sample ID:	A5698_11123_DF_007	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids:	72.9 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	18:30:12
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		0.155	J	ES 2378-TCDD	94.7	
12378-PeCDD	0.388			J	ES 12378-PeCDD	98.4	
123478-HxCDD	EMPC		0.707	J	ES 123478-HxCDD	93.3	
123678-HxCDD	2.4			J	ES 123678-HxCDD	83.7	
123789-HxCDD	1.36			J	ES 123789-HxCDD	90.6	
1234678-HpCDD	24.2				ES 1234678-HpCDD	98.6	
OCDD	157				ES OCDD	83.4	
2378-TCDF	1.28				ES 2378-TCDF	91.9	
12378-PeCDF	0.267			J	ES 12378-PeCDF	97.4	
23478-PeCDF	0.589			J	ES 23478-PeCDF	97.2	
123478-HxCDF	EMPC		0.287	J	ES 123478-HxCDF	94.4	
123678-HxCDF	0.311			J	ES 123678-HxCDF	95.1	
234678-HxCDF	EMPC		0.518	J	ES 234678-HxCDF	97.1	
123789-HxCDF	ND	0.112			ES 123789-HxCDF	100	
1234678-HpCDF	4.48				ES 1234678-HpCDF	94	
1234789-HpCDF	0.228			J	ES 1234789-HpCDF	99.5	
OCDF	8.57				ES OCDF	84.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	16.8		17.5		CS 37Cl-2378-TCDD	98.6	
Total PeCDD	19.3		19.3		CS 12347-PeCDD	122	
Total HxCDD	31.8		32.5		CS 12346-PeCDF	106	
Total HpCDD	54.6		54.6		CS 123469-HxCDF	103	
Total TCDF	11		12.2		CS 1234689-HpCDF	102	
Total PeCDF	6.23		6.96		AS 1368-TCDD	106	
Total HxCDF	8.08		9.06		AS 1368-TCDF	95.7	
Total HpCDF	12		12				
Total PCDD/Fs	325		329				
ITEF TEQs							
TEQ: ND=0	1.49		1.8				
TEQ: ND=DL/2	1.58	0.178	1.8				
TEQ: ND=DL	1.67	0.356	1.81				



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Sample ID: JW-EA02-SC05-D-130423**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.40 g	Lab Sample ID	A5698_11123_DF_008	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	51.6 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	19:22:51
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.39		ES 2378-TCDD	97.1	
12378-PeCDD	8.36				ES 12378-PeCDD	95.9	
123478-HxCDD	16.9				ES 123478-HxCDD	88.5	
123678-HxCDD	136				ES 123678-HxCDD	82.3	
123789-HxCDD	43.2				ES 123789-HxCDD	85.2	
1234678-HpCDD	2940				ES 1234678-HpCDD	109	
OCDD	35500			E	ES OCDD	104	
2378-TCDF	14.8				ES 2378-TCDF	90.9	
12378-PeCDF	4.18			J	ES 12378-PeCDF	92.5	
23478-PeCDF	11.6				ES 23478-PeCDF	94.1	
123478-HxCDF	18.4				ES 123478-HxCDF	89.8	
123678-HxCDF	17.2				ES 123678-HxCDF	92.1	
234678-HxCDF	30.4				ES 234678-HxCDF	93.4	
123789-HxCDF	ND	0.553			ES 123789-HxCDF	97.4	
1234678-HpCDF	559				ES 1234678-HpCDF	94.9	
1234789-HpCDF	31.5				ES 1234789-HpCDF	102	
OCDF	1250				ES OCDF	95.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	116		120		CS 37Cl-2378-TCDD	99.9	
Total PeCDD	155		155		CS 12347-PeCDD	114	
Total HxCDD	878		878		CS 12346-PeCDF	99.5	
Total HpCDD	5700		5700		CS 123469-HxCDF	101	
Total TCDF	103		106		CS 1234689-HpCDF	111	
Total PeCDF	212		213		AS 1368-TCDD	99.7	
Total HxCDF	765		765		AS 1368-TCDF	87.5	
Total HpCDF	1840		1840				
Total PCDD/Fs	46500		46500				
ITEF TEQs							
TEQ: ND=0	110		111				
TEQ: ND=DL/2	110	0.407	111				
TEQ: ND=DL	110	0.814	111				



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Sample ID: JW-EA04-SC13-D-130423**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.30 g	Lab Sample ID:	A5698_11123_DF_009	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	61.4 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	20:15:24
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.842				ES 2378-TCDD	90.5	
12378-PeCDD	1.52			J	ES 12378-PeCDD	95.1	
123478-HxCDD	2.55			J	ES 123478-HxCDD	84.9	
123678-HxCDD	10.1				ES 123678-HxCDD	77.8	
123789-HxCDD	5.26				ES 123789-HxCDD	84.6	
1234678-HpCDD	215				ES 1234678-HpCDD	95.1	
OCDD	1670				ES OCDD	85.3	
2378-TCDF	5.8				ES 2378-TCDF	89.7	
12378-PeCDF	1.02			J	ES 12378-PeCDF	96.1	
23478-PeCDF	2.68			J	ES 23478-PeCDF	90.7	
123478-HxCDF	2.31			J	ES 123478-HxCDF	86.6	
123678-HxCDF	1.73			J	ES 123678-HxCDF	87.4	
234678-HxCDF	2.85			J	ES 234678-HxCDF	89	
123789-HxCDF	ND	0.257			ES 123789-HxCDF	94.2	
1234678-HpCDF	53.7				ES 1234678-HpCDF	90.1	
1234789-HpCDF	3.72				ES 1234789-HpCDF	95.2	
OCDF	177				ES OCDF	84.1	
Totals					Standard	CS/AS Recoveries	
Total TCDD	41		42.8		CS 37Cl-2378-TCDD	93.3	
Total PeCDD	37.2		37.6		CS 12347-PeCDD	111	
Total HxCDD	107		107		CS 12346-PeCDF	100	
Total HpCDD	487		487		CS 123469-HxCDF	97.2	
					CS 1234689-HpCDF	100	
Total TCDF	50.5		56.3		AS 1368-TCDD	93.3	
Total PeCDF	35		35.3		AS 1368-TCDF	85.6	
Total HxCDF	68.3		69.2				
Total HpCDF	196		196				
Total PCDD/Fs	2870		2880				
ITEF TEQs							
TEQ: ND=0	10.6		10.6				
TEQ: ND=DL/2	10.6	0.296	10.6				
TEQ: ND=DL	10.6	0.591	10.6				



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Sample ID: JW-EA06-SC21-A-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.10 g	Lab Sample ID:	A5698_11123_DF_010	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	60.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	23:55:40
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.506			J	ES 2378-TCDD	90	
12378-PeCDD	EMPC		2	J	ES 12378-PeCDD	89.2	
123478-HxCDD	3.95				ES 123478-HxCDD	87.4	
123678-HxCDD	95.2				ES 123678-HxCDD	79.9	
123789-HxCDD	28.4				ES 123789-HxCDD	83.8	
1234678-HpCDD	711				ES 1234678-HpCDD	108	
OCDD	5370				ES OCDD	99.5	
2378-TCDF	3.62				ES 2378-TCDF	84.1	
12378-PeCDF	1.6			J	ES 12378-PeCDF	87.4	
23478-PeCDF	3.92				ES 23478-PeCDF	89.7	
123478-HxCDF	4.43				ES 123478-HxCDF	92.4	
123678-HxCDF	3.99				ES 123678-HxCDF	92.2	
234678-HxCDF	8.88				ES 234678-HxCDF	94	
123789-HxCDF	ND	0.264			ES 123789-HxCDF	97.9	
1234678-HpCDF	157				ES 1234678-HpCDF	94.9	
1234789-HpCDF	5.91				ES 1234789-HpCDF	105	
OCDF	168				ES OCDF	94.6	
Totals					Standard	CS/AS Recoveries	
Total TCDD	41.7		43.7		CS 37Cl-2378-TCDD	93.1	
Total PeCDD	42.5		45.7		CS 12347-PeCDD	109	
Total HxCDD	578		578		CS 12346-PeCDF	93.4	
Total HpCDD	1430		1430		CS 123469-HxCDF	102	
Total TCDF	38.4		39.9		CS 1234689-HpCDF	110	
Total PeCDF	54.3		56		AS 1368-TCDD	89.8	
Total HxCDF	196		196		AS 1368-TCDF	79.9	
Total HpCDF	424		424				
Total PCDD/Fs	8340		8350				
ITEF TEQs							
TEQ: ND=0	31.7		32.7				
TEQ: ND=DL/2	31.7	0.221	32.7				
TEQ: ND=DL	31.8	0.443	32.7				



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Sample ID: JW-EA06-SC21-B-130423**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	25-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.68 g	Lab Sample ID:	A5698_11123_DF_011	Date Extracted:	10-Jul-2013
Date Collected:	23-Apr-2013	% Solids:	65.3 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	00:48:13
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	EMPC		1.12		ES 2378-TCDD	93.6	
12378-PeCDD	2.32			J	ES 12378-PeCDD	94.5	
123478-HxCDD	2.95			J	ES 123478-HxCDD	92.5	
123678-HxCDD	15.7				ES 123678-HxCDD	82.3	
123789-HxCDD	6.67				ES 123789-HxCDD	86.4	
1234678-HpCDD	273				ES 1234678-HpCDD	107	
OCDD	2010				ES OCDD	95.4	
2378-TCDF	11				ES 2378-TCDF	88.4	
12378-PeCDF	2.14			J	ES 12378-PeCDF	94.8	
23478-PeCDF	4.22				ES 23478-PeCDF	91.5	
123478-HxCDF	3.52			J	ES 123478-HxCDF	93.7	
123678-HxCDF	2.42			J	ES 123678-HxCDF	96.8	
234678-HxCDF	4.39				ES 234678-HxCDF	97.9	
123789-HxCDF	ND	0.264			ES 123789-HxCDF	99.9	
1234678-HpCDF	69.6				ES 1234678-HpCDF	94.7	
1234789-HpCDF	4.63				ES 1234789-HpCDF	107	
OCDF	220				ES OCDF	92.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	75		76.5		CS 37Cl-2378-TCDD	96.6	
Total PeCDD	60.7		60.7		CS 12347-PeCDD	110	
Total HxCDD	140		142		CS 12346-PeCDF	99	
Total HpCDD	538		538		CS 123469-HxCDF	104	
					CS 1234689-HpCDF	112	
Total TCDF	93.5		102		AS 1368-TCDD	101	
Total PeCDF	52.7		54.1		AS 1368-TCDF	90.6	
Total HxCDF	94.5		94.7				
Total HpCDF	266		266				
Total PCDD/Fs	3550		3570				
ITEF TEQs							
TEQ: ND=0	13.8		14.9				
TEQ: ND=DL/2	13.9	0.316	14.9				
TEQ: ND=DL	14	0.632	14.9				



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Sample ID: JW-EA07-SC28-A-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	7.28 g	Lab Sample ID:	A5698_11123_DF_012	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	66.1 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	01:40:41
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	1.79				ES 2378-TCDD	93	
12378-PeCDD	2.94			J	ES 12378-PeCDD	98.6	
123478-HxCDD	3.25			J	ES 123478-HxCDD	89.5	
123678-HxCDD	12.6				ES 123678-HxCDD	82.4	
123789-HxCDD	5.79				ES 123789-HxCDD	84.4	
1234678-HpCDD	172				ES 1234678-HpCDD	101	
OCDD	1160				ES OCDD	89.4	
2378-TCDF	11.7				ES 2378-TCDF	89.1	
12378-PeCDF	3.59				ES 12378-PeCDF	92.9	
23478-PeCDF	5.86				ES 23478-PeCDF	94.8	
123478-HxCDF	3.19			J	ES 123478-HxCDF	92.8	
123678-HxCDF	2.57			J	ES 123678-HxCDF	94.2	
234678-HxCDF	3.77				ES 234678-HxCDF	95.8	
123789-HxCDF	ND	0.293			ES 123789-HxCDF	98.4	
1234678-HpCDF	58.7				ES 1234678-HpCDF	94.1	
1234789-HpCDF	3.05			J	ES 1234789-HpCDF	104	
OCDF	148				ES OCDF	88.9	
Totals					Standard	CS/AS Recoveries	
Total TCDD	121		122		CS 37Cl-2378-TCDD	95.5	
Total PeCDD	99.1		99.1		CS 12347-PeCDD	120	
Total HxCDD	142		142		CS 12346-PeCDF	102	
Total HpCDD	341		341		CS 123469-HxCDF	103	
					CS 1234689-HpCDF	105	
Total TCDF	147		149		AS 1368-TCDD	100	
Total PeCDF	70		72.8		AS 1368-TCDF	90.6	
Total HxCDF	72.5		72.5				
Total HpCDF	165		165				
Total PCDD/Fs	2470		2480				
ITEF TEQs							
TEQ: ND=0	14.3		14.3				
TEQ: ND=DL/2	14.3	0.341	14.3				
TEQ: ND=DL	14.3	0.682	14.3				



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Sample ID: JW-EA07-SC28-B-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	9.09 g	Lab Sample ID:	A5698_11123_DF_013	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	82.4 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	02:33:14
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.105			ES 2378-TCDD	93.5	
12378-PeCDD	ND	0.157			ES 12378-PeCDD	94.4	
123478-HxCDD	ND	0.164			ES 123478-HxCDD	89.8	
123678-HxCDD	ND	0.176			ES 123678-HxCDD	81.1	
123789-HxCDD	ND	0.16			ES 123789-HxCDD	87	
1234678-HpCDD	1.13			J	ES 1234678-HpCDD	102	
OCDD	14.9				ES OCDD	86.6	
2378-TCDF	0.939				ES 2378-TCDF	91.7	
12378-PeCDF	0.284			J	ES 12378-PeCDF	92.2	
23478-PeCDF	0.211			J	ES 23478-PeCDF	93.2	
123478-HxCDF	0.0959			J	ES 123478-HxCDF	91	
123678-HxCDF	ND	0.0884			ES 123678-HxCDF	91.7	
234678-HxCDF	ND	0.0955			ES 234678-HxCDF	93.5	
123789-HxCDF	ND	0.0994			ES 123789-HxCDF	100	
1234678-HpCDF	ND	0.134			ES 1234678-HpCDF	92.5	
1234789-HpCDF	ND	0.153			ES 1234789-HpCDF	103	
OCDF	ND	0.135			ES OCDF	88.2	
Totals					Standard	CS/AS Recoveries	
Total TCDD	2.41		3.12		CS 37Cl-2378-TCDD	95	
Total PeCDD	0.462		1.36		CS 12347-PeCDD	119	
Total HxCDD	1.69		1.69		CS 12346-PeCDF	97.5	
Total HpCDD	2.97		2.97		CS 123469-HxCDF	103	
Total TCDF	5.36		6.19		CS 1234689-HpCDF	102	
Total PeCDF	0.834		1.28		AS 1368-TCDD	94.3	
Total HxCDF	0.0959		0.0959		AS 1368-TCDF	93.5	
Total HpCDF	ND	0.143	ND				
Total PCDD/Fs	28.7		31.6				
ITEF TEQs							
TEQ: ND=0	0.249		0.249				
TEQ: ND=DL/2	0.382	0.171	0.382				
TEQ: ND=DL	0.514	0.341	0.514				



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Sample ID: JW-EA07-SC28-C-130426**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.27 g	Lab Sample ID:	A5698_11123_DF_014	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	79.5 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	03:25:42
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.118			ES 2378-TCDD	89.4	
12378-PeCDD	ND	0.102			ES 12378-PeCDD	92	
123478-HxCDD	ND	0.157			ES 123478-HxCDD	85.8	
123678-HxCDD	ND	0.162			ES 123678-HxCDD	80.2	
123789-HxCDD	ND	0.156			ES 123789-HxCDD	86.9	
1234678-HpCDD	0.542			J	ES 1234678-HpCDD	92.9	
OCDD	6.66				ES OCDD	80.3	
2378-TCDF	0.229			J	ES 2378-TCDF	87.7	
12378-PeCDF	ND	0.0694			ES 12378-PeCDF	87.4	
23478-PeCDF	ND	0.0665			ES 23478-PeCDF	87.4	
123478-HxCDF	ND	0.0893			ES 123478-HxCDF	90.5	
123678-HxCDF	ND	0.0861			ES 123678-HxCDF	93.4	
234678-HxCDF	ND	0.0916			ES 234678-HxCDF	95.6	
123789-HxCDF	ND	0.106			ES 123789-HxCDF	97.9	
1234678-HpCDF	ND	0.0912			ES 1234678-HpCDF	87.6	
1234789-HpCDF	ND	0.109			ES 1234789-HpCDF	92.2	
OCDF	ND	0.169			ES OCDF	80.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	0.209		0.866		CS 37Cl-2378-TCDD	91.9	
Total PeCDD	ND	0.102	ND		CS 12347-PeCDD	112	
Total HxCDD	0.341		0.341		CS 12346-PeCDF	91.1	
Total HpCDD	1.45		1.45		CS 123469-HxCDF	102	
Total TCDF	0.396		0.653		CS 1234689-HpCDF	100	
Total PeCDF	ND	0.0679	ND		AS 1368-TCDD	97	
Total HxCDF	ND	0.0929	ND		AS 1368-TCDF	90.4	
Total HpCDF	ND	0.0996	ND				
Total PCDD/Fs	9.05		9.97				
ITEF TEQs							
TEQ: ND=0	0.035		0.035				
TEQ: ND=DL/2	0.181	0.152	0.181				
TEQ: ND=DL	0.328	0.303	0.328				



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Sample ID: JW-EA09-SC36-A-130426**Method 1613B**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.00 g	Lab Sample ID:	A5698_11123_DF_015	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids:	71.7 %	QC Batch No:	11123	Date Analyzed:	19-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	04:18:16
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	0.434			J	ES 2378-TCDD	93.5	
12378-PeCDD	1.06			J	ES 12378-PeCDD	97.4	
123478-HxCDD	EMPC		0.985	J	ES 123478-HxCDD	92.6	
123678-HxCDD	4				ES 123678-HxCDD	83.7	
123789-HxCDD	2.36			J	ES 123789-HxCDD	89.4	
1234678-HpCDD	44.6				ES 1234678-HpCDD	102	
OCDD	308				ES OCDD	87.9	
2378-TCDF	3.44				ES 2378-TCDF	89.8	
12378-PeCDF	0.976			J	ES 12378-PeCDF	94.6	
23478-PeCDF	1.79			J	ES 23478-PeCDF	97.3	
123478-HxCDF	0.941			J	ES 123478-HxCDF	94.6	
123678-HxCDF	0.833			J	ES 123678-HxCDF	94.3	
234678-HxCDF	1.2			J	ES 234678-HxCDF	95.9	
123789-HxCDF	ND	0.169			ES 123789-HxCDF	102	
1234678-HpCDF	9.32				ES 1234678-HpCDF	98.6	
1234789-HpCDF	0.683			J	ES 1234789-HpCDF	104	
OCDF	15.6				ES OCDF	89.5	
Totals					Standard	CS/AS Recoveries	
Total TCDD	45		45.8		CS 37Cl-2378-TCDD	95.1	
Total PeCDD	32.5		34		CS 12347-PeCDD	115	
Total HxCDD	47.2		49.4		CS 12346-PeCDF	105	
Total HpCDD	96.1		96.1		CS 123469-HxCDF	107	
					CS 1234689-HpCDF	107	
Total TCDF	44.1		44.2		AS 1368-TCDD	98	
Total PeCDF	18.5		20.4		AS 1368-TCDF	88.7	
Total HxCDF	19.3		19.5				
Total HpCDF	25.3		25.3				
Total PCDD/Fs	652		658				
ITEF TEQs							
TEQ: ND=0	4.06		4.16				
TEQ: ND=DL/2	4.08	0.202	4.16				
TEQ: ND=DL	4.09	0.403	4.17				



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Sample ID: Method Blank A5698**Method 1613B**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solids	Lab Project ID:	A5698	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Lab Sample ID:	MB1_11123_DF_SDS	Date Extracted:	10-Jul-2013
Date Collected:	n/a	% Solids:	100.0 %	QC Batch No:	11123	Date Analyzed:	18-Jul-2013
		Split:	-	Dilution:	-	Time Analyzed:	14:59:52
Analyte	Conc. (pg/g)	DL (pg/g)	EMPC (pg/g)	Qualifiers	Standard	ES Recoveries	Qualifiers
2378-TCDD	ND	0.0638			ES 2378-TCDD	89.3	
12378-PeCDD	ND	0.0516			ES 12378-PeCDD	90.4	
123478-HxCDD	ND	0.0655			ES 123478-HxCDD	90.6	
123678-HxCDD	ND	0.0659			ES 123678-HxCDD	83.5	
123789-HxCDD	EMPC		0.0951	J	ES 123789-HxCDD	90.1	
1234678-HpCDD	ND	0.0677			ES 1234678-HpCDD	96.4	
OCDD	EMPC		0.223	J	ES OCDD	81.2	
2378-TCDF	ND	0.0432			ES 2378-TCDF	83.9	
12378-PeCDF	ND	0.0444			ES 12378-PeCDF	86.5	
23478-PeCDF	ND	0.0427			ES 23478-PeCDF	85.9	
123478-HxCDF	ND	0.0461			ES 123478-HxCDF	91.3	
123678-HxCDF	ND	0.0458			ES 123678-HxCDF	92.2	
234678-HxCDF	ND	0.0455			ES 234678-HxCDF	94.1	
123789-HxCDF	ND	0.0505			ES 123789-HxCDF	97	
1234678-HpCDF	ND	0.0481			ES 1234678-HpCDF	88.4	
1234789-HpCDF	ND	0.0568			ES 1234789-HpCDF	97.4	
OCDF	ND	0.0896			ES OCDF	83.7	
Totals					Standard	CS/AS Recoveries	
Total TCDD	ND		0.0695		CS 37Cl-2378-TCDD	90.8	
Total PeCDD	ND	0.0516	ND		CS 12347-PeCDD	108	
Total HxCDD	ND		0.0951		CS 12346-PeCDF	90.8	
Total HpCDD	ND	0.0677	ND		CS 123469-HxCDF	102	
Total TCDF	ND	0.0432	ND		CS 1234689-HpCDF	101	
Total PeCDF	ND	0.0435	ND		AS 1368-TCDD	92.2	
Total HxCDF	ND	0.0468	ND		AS 1368-TCDF	80.4	
Total HpCDF	ND	0.0523	ND				
Total PCDD/Fs	ND		0.387				
ITEF TEQs							
TEQ: ND=0	0		0.00974				
TEQ: ND=DL/2	0.0789	0.0789	0.0854				
TEQ: ND=DL	0.158	0.158	0.161				



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METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.7	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	52.8	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	54.8	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	59.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	52.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	52	35	- 70	Y
OCDD	100	108	78	- 144	Y
2,3,7,8-TCDF	10	11.9	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	53.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	55.4	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	52.8	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	52.2	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.7	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	52	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	55.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	53.5	39	- 69	Y
OCDF	100	113	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B**PCDD/F ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	92.4	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	90.4	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.5	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	86.1	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	95.5	26	-	166	Y
13C-OCDD	200	165	26	-	397	Y
13C-2,3,7,8-TCDF	100	87.9	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	93.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	93.4	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	89.5	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	93	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	94.1	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	94.4	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.9	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96.1	20	-	186	Y
13C-OCDF	200	169	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	37.6	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 Jul 2013 09:56 Analyst: MC

Sample ID: JW-SS-207-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.85 g	Sample ID:	A5698_11123_PCB_001	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	50.5 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	26.5				ES PCB-1	50.8	
PCB-81 344'5'-TeCB	EMPC		1.22	J	ES PCB-3	68.5	
PCB-105 233'44'-PeCB	268				ES PCB-4	75.4	
PCB-114 2344'5'-PeCB	13.3				ES PCB-15	95.7	
PCB-118 23'44'5'-PeCB	599				ES PCB-19	86.4	
PCB-123 23'44'5'-PeCB	11.6				ES PCB-37	90.5	
PCB-126 33'44'5'-PeCB	EMPC		1.56	J	ES PCB-54	74.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	88.8			C	ES PCB-77	96.1	
PCB-167 23'44'55'-HxCB	24.9				ES PCB-81	103	
PCB-169 33'44'55'-HxCB	ND	1.14			ES PCB-104	72.5	
PCB-189 233'44'55'-HpCB	3.9			B	ES PCB-105	92.3	
					ES PCB-114	98.3	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	98	
ND = 0	0.0329		0.19		ES PCB-126	85.7	
ND = 0.5 x DL	0.0816		0.207		ES PCB-153	98.2	
ND = DL	0.13		0.224		ES PCB-155	90.5	
					ES PCB-156/157	91.5	
Totals					ES PCB-167	97.2	
Mono-CBs	98.2				ES PCB-169	74.8	
Di-CBs	246				ES PCB-170	117	
Tri-CBs	839		843		ES PCB-180	118	
Tetra-CBs	1,780		1,780		ES PCB-188	88.1	
Penta-CBs	4,080		4,080		ES PCB-189	92.4	
Hexa-CBs	2,730		2,730		ES PCB-202	96.4	
Hepta-CBs	730		732		ES PCB-205	92.1	
Octa-CBs	190				ES PCB-206	97.6	
Nona-CBs	44.3				ES PCB-208	112	
Deca-CB	20.9				ES PCB-209	85.6	
					CS PCB-28	91.8	
Total PCB (Mono-Deca)	10,800		10,800		CS PCB-111	101	
					CS PCB-178	96.5	


Checkcode: 464-072-FJB

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:19 Analyst: LB



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Sample ID: JW-SS-207-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.85 g			Sample ID: A5698_11123_PCB_001			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 50.5 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 464-072-FJB			Time Analyzed: 16:27:08		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	25.8		PCB-19	4.73		PCB-54	(0.303)		PCB-72	3.08	
PCB-2	44.3		PCB-30/18	72.3	C	PCB-50/53	14.5	C	PCB-68	1.91	
PCB-3	28.1		PCB-17	39.1		PCB-45	11.7		PCB-57	(0.602)	
			PCB-27	6.86		PCB-51	3.96		PCB-58	[0.762]	J EMPC
Conc.	98.2		PCB-24	[0.905]	J EMPC	PCB-46	5.12		PCB-67	7.36	
EMPC	98.2		PCB-16	33.2		PCB-52	334		PCB-63	7.72	
			PCB-32	27.7		PCB-73	(0.274)		PCB-61/70/74/76	457	C
Di	Conc.	Qualifiers	PCB-34	[1]	J EMPC	PCB-43	4.94		PCB-66	247	
PCB-4	12.8		PCB-23	(0.636)		PCB-69/49	115	C	PCB-55	3.28	
PCB-10	(0.375)		PCB-26/29	29.9	C	PCB-48	25		PCB-56	98	
PCB-9	3.88		PCB-25	16.3		PCB-44/47/65	187	C	PCB-60	40.2	
PCB-7	2.4		PCB-31	161		PCB-59/62/75	11.5	C	PCB-80	(0.53)	
PCB-6	12.4		PCB-28/20	221	C	PCB-42	37.7		PCB-79	6.11	
PCB-5	1.33	J	PCB-21/33	85.6	C	PCB-41	8.14		PCB-78	(0.682)	
PCB-8	61.2		PCB-22	61.8		PCB-71/40	58.6	C	PCB-81	[1.22]	J EMPC
PCB-14	1.4	J	PCB-36	[1.54]	J EMPC	PCB-64	62.8		PCB-77	26.5	
PCB-11	89.3	B	PCB-39	[1.19]	J EMPC						
PCB-13/12	10.2	C	PCB-38	(0.691)							
PCB-15	51.3		PCB-35	6.36							
			PCB-37	72.2							
Conc.	246		Conc.	839					Conc.	1,780	
EMPC	246		EMPC	843					EMPC	1,780	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,180		1,190	
						Tetra-Hexa		8,590		8,590	
						Hepta-Deca		986		987	
						Mono-Deca		10,800		10,800	

Sample ID: JW-SS-207-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.238)		PCB-108/119/86/97/125/87	427	C	PCB-155	(0.186)		PCB-165	(0.252)	
PCB-96	2.66		PCB-117	18.6		PCB-152	[0.455]	J EMPC	PCB-146	102	
PCB-103	3.97		PCB-116/85	92.2	C	PCB-150	1.13	J	PCB-161	(0.219)	
PCB-94	1.68	J	PCB-110	788		PCB-136	66		PCB-153/168	463	C
PCB-95	375		PCB-115	30.3		PCB-145	(0.217)		PCB-141	94.4	
PCB-100/93	3.6	C	PCB-82	70.8		PCB-148	1.23	J	PCB-130	48.5	
PCB-102	11.7		PCB-111	(0.561)		PCB-151/135	152	C	PCB-137	32.8	
PCB-98	(0.743)		PCB-120	2.54		PCB-154	10.5		PCB-164	44.1	
PCB-88	(0.888)		PCB-107/124	24.9	C	PCB-144	21.8		PCB-163/138/129	714	C
PCB-91	57.1		PCB-109	43.8		PCB-147/149	404	C	PCB-160	7.33	
PCB-84	137		PCB-123	11.6		PCB-134	38.1		PCB-158	69.8	
PCB-89	4.14		PCB-106	(0.648)		PCB-143	(0.286)		PCB-128/166	109	C
PCB-121	(0.557)		PCB-118	599		PCB-139/140	13.6	C	PCB-159	3.24	
PCB-92	113		PCB-122	9.23		PCB-131	8.62		PCB-162	2.2	
PCB-113/90/101	613	C	PCB-114	13.3		PCB-142	(0.31)		PCB-167	24.9	
PCB-83	35.1		PCB-105	268		PCB-132	196		PCB-156/157	88.8	C
PCB-99	324		PCB-127	[1.34]	J EMPC	PCB-133	11.7		PCB-169	(1.14)	
PCB-112	(0.58)		PCB-126	[1.56]	J EMPC						
			Conc.	4,080					Conc.	2,730	
			EMPC	4,080					EMPC	2,730	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.341]	J EMPC	PCB-174	80.2		PCB-202	13.5		PCB-208	9.95	
PCB-179	37.8		PCB-177	56.6		PCB-201	6.43		PCB-207	3.89	
PCB-184	0.328	J	PCB-181	1.26	J	PCB-204	(0.256)		PCB-206	30.5	
PCB-176	9.94		PCB-171/173	29	C	PCB-197	1.36	J			
PCB-186	(0.192)		PCB-172	15.7		PCB-200	4.9	B	Conc.	44.3	
PCB-178	21		PCB-192	(0.501)		PCB-198/199	48.6	B C	EMPC	44.3	
PCB-175	4.16		PCB-180/193	183	B C	PCB-196	20.2	B			
PCB-187	117		PCB-191	4.75		PCB-203	32.1	B	Deca	Conc.	Qualifiers
PCB-182	[1.17]	J EMPC	PCB-170	89	B	PCB-195	16.3	B	PCB-209	20.9	
PCB-183	50.5		PCB-190	17.8	B	PCB-194	45.1	B			
PCB-185	8.36		PCB-189	3.9	B	PCB-205	1.91				
			Conc.	730		Conc.	190				
			EMPC	732		EMPC	190				

Sample ID: JW-SS-208-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.48 g	Sample ID:	A5698_11123_PCB_002	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	49.5 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	23.6				ES PCB-1	49.1	
PCB-81 344'5'-TeCB	ND	0.902			ES PCB-3	64.6	
PCB-105 233'44'-PeCB	120				ES PCB-4	62.6	
PCB-114 2344'5'-PeCB	6.44				ES PCB-15	84.4	
PCB-118 23'44'5'-PeCB	294				ES PCB-19	71.4	
PCB-123 23'44'5'-PeCB	5.42				ES PCB-37	84.7	
PCB-126 33'44'5'-PeCB	ND	0.948			ES PCB-54	65.3	
PCB-156/157 233'44'5'/233'44'5'-HxCB	41.5			C	ES PCB-77	96.5	
PCB-167 23'44'55'-HxCB	12.2				ES PCB-81	98.5	
PCB-169 33'44'55'-HxCB	ND	1.44			ES PCB-104	62.2	
PCB-189 233'44'55'-HpCB	2.55			B	ES PCB-105	92.8	
					ES PCB-114	94.2	
TEQs (WHO M/H)					ES PCB-118	92.3	
					ES PCB-123	91.9	
ND = 0	0.0168		0.0168		ES PCB-126	82.9	
ND = 0.5 x DL	0.086		0.086		ES PCB-153	88.2	
ND = DL	0.155		0.155		ES PCB-155	83.7	
					ES PCB-156/157	88.5	
Totals					ES PCB-167	92.5	
Mono-CBs	125				ES PCB-169	71.8	
Di-CBs	249				ES PCB-170	105	
Tri-CBs	734				ES PCB-180	107	
Tetra-CBs	1,210		1,210		ES PCB-188	83.2	
Penta-CBs	1,790		1,790		ES PCB-189	83.3	
Hexa-CBs	1,500		1,500		ES PCB-202	89.9	
Hepta-CBs	537				ES PCB-205	84.6	
Octa-CBs	157		160		ES PCB-206	87.6	
Nona-CBs	39.4				ES PCB-208	101	
Deca-CB	17.4				ES PCB-209	79.1	
					CS PCB-28	85.1	
Total PCB (Mono-Deca)	6,360		6,360		CS PCB-111	94.6	
					CS PCB-178	87.1	


Checkcode: 692-940-CYM

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:20 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-208-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.48 g			Sample ID: A5698_11123_PCB_002			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 49.5 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 692-940-CYM			Time Analyzed: 17:21:24		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	45.6		PCB-19	4.42		PCB-54	(0.626)		PCB-72	2.21	
PCB-2	43.5		PCB-30/18	67.2	C	PCB-50/53	10.6	C	PCB-68	1.3	J
PCB-3	35.9		PCB-17	36.1		PCB-45	9.68		PCB-57	(0.875)	
			PCB-27	6.33		PCB-51	2.91		PCB-58	(0.879)	
Conc.	125		PCB-24	0.97	J	PCB-46	4.03		PCB-67	(0.821)	
EMPC	125		PCB-16	30		PCB-52	160		PCB-63	6.15	
			PCB-32	25.9		PCB-73	(0.533)		PCB-61/70/74/76	296	C
Di	Conc.	Qualifiers	PCB-34	(0.956)		PCB-43	3.81		PCB-66	196	
PCB-4	17		PCB-23	(0.925)		PCB-69/49	83.5	C	PCB-55	[2.56]	EMPC
PCB-10	1.45	J	PCB-26/29	24.5	C	PCB-48	21.4		PCB-56	80	
PCB-9	4.3		PCB-25	13.7		PCB-44/47/65	121	C	PCB-60	37.2	
PCB-7	2.9		PCB-31	136		PCB-59/62/75	10.2	C	PCB-80	1.49	J
PCB-6	13.5		PCB-28/20	194	C	PCB-42	31.4		PCB-79	3.29	
PCB-5	1.49	J	PCB-21/33	69.1	C	PCB-41	8.57		PCB-78	(0.991)	
PCB-8	57.2		PCB-22	53.7		PCB-71/40	46.3	C	PCB-81	(0.902)	
PCB-14	1.15	J	PCB-36	1.66	J	PCB-64	45.1		PCB-77	23.6	
PCB-11	90	B	PCB-39	(0.954)							
PCB-13/12	10.6	C	PCB-38	(1)							
PCB-15	49.7		PCB-35	5.87							
			PCB-37	65							
Conc.	249		Conc.	734					Conc.	1,210	
EMPC	249		EMPC	734					EMPC	1,210	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,110		1,110	
						Tetra-Hexa		4,500		4,500	
						Hepta-Deca		750		754	
						Mono-Deca		6,360		6,360	

Sample ID: JW-SS-208-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.476)		PCB-108/119/86/97/125/87	173	C	PCB-155	(0.352)		PCB-165	(0.491)	
PCB-96	[1.13]	J EMPC	PCB-117	6.58		PCB-152	(0.384)		PCB-146	65.9	
PCB-103	1.95		PCB-116/85	45.2	C	PCB-150	[0.736]	J EMPC	PCB-161	(0.427)	
PCB-94	(0.952)		PCB-110	342		PCB-136	33.7		PCB-153/168	283	C
PCB-95	133		PCB-115	6.14		PCB-145	(0.411)		PCB-141	50.2	
PCB-100/93	(0.872)	C	PCB-82	30.5		PCB-148	(0.534)		PCB-130	25.6	
PCB-102	5.88		PCB-111	(0.659)		PCB-151/135	93.7	C	PCB-137	14.9	
PCB-98	(0.872)		PCB-120	(0.672)		PCB-154	6.97		PCB-164	23.5	
PCB-88	32.6		PCB-107/124	11.1	C	PCB-144	11.7		PCB-163/138/129	386	C
PCB-91	(0.756)		PCB-109	24.6		PCB-147/149	230	C	PCB-160	4.93	
PCB-84	46.2		PCB-123	5.42		PCB-134	17.6		PCB-158	34	
PCB-89	2.3		PCB-106	(0.761)		PCB-143	(0.558)		PCB-128/166	54.9	C
PCB-121	(0.654)		PCB-118	294		PCB-139/140	6.78	C	PCB-159	(0.927)	
PCB-92	52.9		PCB-122	5.25		PCB-131	4.03		PCB-162	(0.946)	
PCB-113/90/101	268	C	PCB-114	6.44		PCB-142	(0.603)		PCB-167	12.2	
PCB-83	11.1		PCB-105	120		PCB-132	92.3		PCB-156/157	41.5	C
PCB-99	165		PCB-127	(0.77)		PCB-133	7.36		PCB-169	(1.44)	
PCB-112	(0.681)		PCB-126	(0.948)							
			Conc.	1,790					Conc.	1,500	
			EMPC	1,790					EMPC	1,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.4)		PCB-174	57.6	B	PCB-202	11.6		PCB-208	8.28	
PCB-179	29.1		PCB-177	44.3		PCB-201	5.27		PCB-207	3.51	
PCB-184	(0.429)		PCB-181	(0.953)		PCB-204	(0.668)		PCB-206	27.6	
PCB-176	7.1		PCB-171/173	20.1	B C	PCB-197	1.25	J			
PCB-186	(0.406)		PCB-172	11.2	B	PCB-200	[3.44]	B EMPC	Conc.	39.4	
PCB-178	16.6		PCB-192	(0.868)		PCB-198/199	43	B C	EMPC	39.4	
PCB-175	2.51		PCB-180/193	131	B C	PCB-196	15.9	B			
PCB-187	94.9		PCB-191	3.05		PCB-203	25.6	B	Deca	Conc.	Qualifiers
PCB-182	(0.882)		PCB-170	60.4	B	PCB-195	13.3	B	PCB-209	17.4	
PCB-183	38.6	B	PCB-190	12.6	B	PCB-194	38.8	B			
PCB-185	5.69		PCB-189	2.55	B	PCB-205	1.92				
			Conc.	537		Conc.	157				
			EMPC	537		EMPC	160				

Sample ID: JW-SS-209-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.45 g	Sample ID:	A5698_11123_PCB_003	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	56.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	38.1				ES PCB-1	56.8	
PCB-81 344'5'-TeCB	EMPC		1.45	J	ES PCB-3	70.8	
PCB-105 233'44'-PeCB	225				ES PCB-4	86.6	
PCB-114 2344'5'-PeCB	11.6				ES PCB-15	96.8	
PCB-118 23'44'5'-PeCB	534				ES PCB-19	96.5	
PCB-123 23'44'5'-PeCB	7.9				ES PCB-37	91.2	
PCB-126 33'44'5'-PeCB	EMPC		1.84		ES PCB-54	80.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	71.1			C	ES PCB-77	90.1	
PCB-167 23'44'55'-HxCB	20.6				ES PCB-81	97.4	
PCB-169 33'44'55'-HxCB	ND	1.24			ES PCB-104	78.6	
PCB-189 233'44'55'-HpCB	3.58			B	ES PCB-105	90	
					ES PCB-114	93	
TEQs (WHO M/H)					ES PCB-118	96.5	
					ES PCB-123	93.9	
ND = 0	0.03		0.215		ES PCB-126	80.7	
ND = 0.5 x DL	0.077		0.233		ES PCB-153	102	
ND = DL	0.124		0.252		ES PCB-155	101	
					ES PCB-156/157	91.6	
Totals					ES PCB-167	97.9	
Mono-CBs	132				ES PCB-169	77.2	
Di-CBs	369				ES PCB-170	113	
Tri-CBs	1,250		1,250		ES PCB-180	117	
Tetra-CBs	2,510		2,510		ES PCB-188	97.4	
Penta-CBs	3,500		3,510		ES PCB-189	92.5	
Hexa-CBs	2,280		2,280		ES PCB-202	102	
Hepta-CBs	716		721		ES PCB-205	95.3	
Octa-CBs	188		190		ES PCB-206	102	
Nona-CBs	42				ES PCB-208	116	
Deca-CB	20.1				ES PCB-209	89.2	
					CS PCB-28	93.3	
Total PCB (Mono-Deca)	11,000		11,000		CS PCB-111	104	
					CS PCB-178	102	

Checkcode: 901-317-TRZ


SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:21 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-209-130429 Method 1668A

Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 6.45 g			Sample ID: A5698_11123_PCB_003			Date Extracted: 10-Jul-2013								
Date Collected: 29-Apr-2013			% Solids: 56.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013								
			Units: pg/g			Checkcode: 901-317-TRZ			Time Analyzed: 18:15:39								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	53.1		PCB-19	7.08		PCB-54	(0.308)		PCB-72	4.8							
PCB-2	32.8		PCB-30/18	112	C	PCB-50/53	21.5	C	PCB-68	2.9							
PCB-3	46.2		PCB-17	56.7		PCB-45	19.6		PCB-57	1.34	J						
			PCB-27	9.65		PCB-51	6.98		PCB-58	1.39	J						
Conc.	132		PCB-24	1.53	J	PCB-46	8.51		PCB-67	11.5							
EMPC	132		PCB-16	49.9		PCB-52	344		PCB-63	13.2							
			PCB-32	44.2		PCB-73	2.02		PCB-61/70/74/76	624	C						
Di	Conc.	Qualifiers	PCB-34	1.68		PCB-43	8.02		PCB-66	387							
PCB-4	21.7		PCB-23	(0.434)		PCB-69/49	167	C	PCB-55	7.21							
PCB-10	1.8		PCB-26/29	40.2	C	PCB-48	43.8		PCB-56	156							
PCB-9	5.96		PCB-25	21.3		PCB-44/47/65	258	C	PCB-60	68.6							
PCB-7	3.91		PCB-31	241		PCB-59/62/75	21	C	PCB-80	(0.911)							
PCB-6	18.7		PCB-28/20	329	C	PCB-42	64.9		PCB-79	7.54							
PCB-5	1.93		PCB-21/33	124	C	PCB-41	17.4		PCB-78	(1.17)							
PCB-8	92.3		PCB-22	95.8		PCB-71/40	101	C	PCB-81	[1.45]	J EMPC						
PCB-14	1.04	J	PCB-36	[2.18]	EMPC	PCB-64	101		PCB-77	38.1							
PCB-11	134	B	PCB-39	2.22													
PCB-13/12	14.8	C	PCB-38	(0.472)													
PCB-15	72.3		PCB-35	9.05													
			PCB-37	103													
Conc.	369		Conc.	1,250					Conc.	2,510							
EMPC	369		EMPC	1,250					EMPC	2,510							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,750			1,750		
						Tetra-Hexa						8,290			8,300		
						Hepta-Deca						966			973		
						Mono-Deca						11,000			11,000		

Sample ID: JW-SS-209-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.184)		PCB-108/119/86/97/125/87	347	C	PCB-155	(0.187)		PCB-165	(0.268)	
PCB-96	[1.76]	EMPC	PCB-117	14.5		PCB-152	[0.299]	J EMPC	PCB-146	88.8	
PCB-103	4.3		PCB-116/85	81	C	PCB-150	0.78	J	PCB-161	(0.233)	
PCB-94	1.86		PCB-110	686		PCB-136	49		PCB-153/168	407	C
PCB-95	319		PCB-115	(0.614)		PCB-145	(0.218)		PCB-141	80.3	
PCB-100/93	4.18	C	PCB-82	62.1		PCB-148	1.13	J	PCB-130	39.2	
PCB-102	12.6		PCB-111	(0.657)		PCB-151/135	136	C	PCB-137	25.9	
PCB-98	(0.87)		PCB-120	3.3		PCB-154	8.45		PCB-164	33.3	
PCB-88	(1.04)		PCB-107/124	20.9	C	PCB-144	18		PCB-163/138/129	586	C
PCB-91	51.2		PCB-109	41.9		PCB-147/149	353	C	PCB-160	6.16	
PCB-84	109		PCB-123	7.9		PCB-134	27.1		PCB-158	53.1	
PCB-89	4.39		PCB-106	(0.759)		PCB-143	1.63		PCB-128/166	89.5	C
PCB-121	(0.652)		PCB-118	534		PCB-139/140	10.7	C	PCB-159	4.26	
PCB-92	102		PCB-122	8.66		PCB-131	6.35		PCB-162	[1.84]	EMPC
PCB-113/90/101	529	C	PCB-114	11.6		PCB-142	(0.329)		PCB-167	20.6	
PCB-83	(1.1)		PCB-105	225		PCB-132	153		PCB-156/157	71.1	C
PCB-99	319		PCB-127	(0.833)		PCB-133	9.91		PCB-169	(1.24)	
PCB-112	(0.679)		PCB-126	[1.84]	EMPC						
			Conc.	3,500					Conc.	2,280	
			EMPC	3,510					EMPC	2,280	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.29]	J EMPC	PCB-174	79.1		PCB-202	13		PCB-208	8.81	
PCB-179	36		PCB-177	57.5		PCB-201	6.46		PCB-207	3.34	
PCB-184	(0.253)		PCB-181	[0.9]	J EMPC	PCB-204	(0.397)		PCB-206	29.9	
PCB-176	9.08		PCB-171/173	26.7	C	PCB-197	[1.76]	EMPC			
PCB-186	(0.24)		PCB-172	15.7		PCB-200	4.91	B	Conc.	42	
PCB-178	19.7		PCB-192	(0.588)		PCB-198/199	48.3	B C	EMPC	42	
PCB-175	[3.08]	EMPC	PCB-180/193	183	B C	PCB-196	20.5	B			
PCB-187	119		PCB-191	4.7		PCB-203	28.6	B	Deca	Conc.	Qualifiers
PCB-182	[0.751]	J EMPC	PCB-170	87.7	B	PCB-195	16.4	B	PCB-209	20.1	
PCB-183	52.3		PCB-190	16.5	B	PCB-194	47.1	B			
PCB-185	5.66		PCB-189	3.58	B	PCB-205	2.83				
			Conc.	716		Conc.	188				
			EMPC	721		EMPC	190				

Sample ID: JW-SS-211-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	6.29 g	Sample ID:	A5698_11123_PCB_004	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	59.0 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	32				ES PCB-1	62.6	
PCB-81 344'5'-TeCB	EMPC		1.16	J	ES PCB-3	76.6	
PCB-105 233'44'-PeCB	192				ES PCB-4	82.1	
PCB-114 2344'5'-PeCB	9.6				ES PCB-15	93.3	
PCB-118 23'44'5'-PeCB	442				ES PCB-19	90.1	
PCB-123 23'44'5'-PeCB	7.22				ES PCB-37	88.8	
PCB-126 33'44'5'-PeCB	2.11				ES PCB-54	74.1	
PCB-156/157 233'44'5'/233'44'5'-HxCB	64.5			C	ES PCB-77	97.9	
PCB-167 23'44'55'-HxCB	18.4				ES PCB-81	104	
PCB-169 33'44'55'-HxCB	ND	1.47			ES PCB-104	69.3	
PCB-189 233'44'55'-HpCB	3.66			B	ES PCB-105	93.2	
					ES PCB-114	96.1	
TEQs (WHO M/H)					ES PCB-118	97.4	
					ES PCB-123	93.6	
ND = 0	0.236		0.236		ES PCB-126	78.5	
ND = 0.5 x DL	0.258		0.258		ES PCB-153	93.2	
ND = DL	0.28		0.28		ES PCB-155	87.6	
					ES PCB-156/157	90.3	
Totals					ES PCB-167	94	
Mono-CBs	119				ES PCB-169	54	
Di-CBs	291				ES PCB-170	109	
Tri-CBs	777				ES PCB-180	112	
Tetra-CBs	1,570		1,570		ES PCB-188	85.6	
Penta-CBs	2,760		2,770		ES PCB-189	91.2	
Hexa-CBs	2,050				ES PCB-202	88.6	
Hepta-CBs	680				ES PCB-205	87.1	
Octa-CBs	192				ES PCB-206	93.2	
Nona-CBs	43.9				ES PCB-208	106	
Deca-CB	17.1				ES PCB-209	80.9	
					CS PCB-28	89.7	
Total PCB (Mono-Deca)	8,500		8,510		CS PCB-111	96.1	
					CS PCB-178	91.5	


Checkcode: 390-810-YGT

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:21 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-211-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 6.29 g			Sample ID: A5698_11123_PCB_004			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 59.0 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 390-810-YGT			Time Analyzed: 19:09:58		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	44.7		PCB-19	4.17		PCB-54	(0.327)		PCB-72	2.72	
PCB-2	34.9		PCB-30/18	60.6	C	PCB-50/53	12.4	C	PCB-68	1.58	J
PCB-3	39.1		PCB-17	31.8		PCB-45	11.1		PCB-57	(0.744)	
			PCB-27	5.36		PCB-51	3.71		PCB-58	0.937	J
Conc.	119		PCB-24	0.802	J	PCB-46	4.86		PCB-67	6.68	
EMPC	119		PCB-16	28.5		PCB-52	230		PCB-63	7.78	
			PCB-32	24.5		PCB-73	0.798	J	PCB-61/70/74/76	400	C
Di	Conc.	Qualifiers	PCB-34	(0.753)		PCB-43	4.67		PCB-66	248	
PCB-4	14.6		PCB-23	(0.729)		PCB-69/49	101	C	PCB-55	3.83	
PCB-10	1.07	J	PCB-26/29	26.5	C	PCB-48	23.4		PCB-56	101	
PCB-9	4.43		PCB-25	14.8		PCB-44/47/65	152	C	PCB-60	46.8	
PCB-7	3.14		PCB-31	152		PCB-59/62/75	11.6	C	PCB-80	(0.654)	
PCB-6	12.5		PCB-28/20	209	C	PCB-42	36.5		PCB-79	4.52	
PCB-5	1.47	J	PCB-21/33	76.1	C	PCB-41	9.29		PCB-78	(0.842)	
PCB-8	57.9		PCB-22	58.3		PCB-71/40	56.2	C	PCB-81	[1.16]	J EMPC
PCB-14	1.14	J	PCB-36	2.13		PCB-64	55.4		PCB-77	32	
PCB-11	127	B	PCB-39	1.37	J						
PCB-13/12	11.3	C	PCB-38	(0.792)							
PCB-15	55.8		PCB-35	7.49							
			PCB-37	73.3							
Conc.	291		Conc.	777					Conc.	1,570	
EMPC	291		EMPC	777					EMPC	1,570	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,190		1,190	
						Tetra-Hexa		6,380		6,390	
						Hepta-Deca		933		933	
						Mono-Deca		8,500		8,510	

Sample ID: JW-SS-211-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.294)		PCB-108/119/86/97/125/87	272	C	PCB-155	(0.273)		PCB-165	(0.358)	
PCB-96	1.65		PCB-117	9.98		PCB-152	(0.297)		PCB-146	76.2	
PCB-103	[2.63]	EMPC	PCB-116/85	67.4	C	PCB-150	0.862	J	PCB-161	(0.311)	
PCB-94	[1.11]	J EMPC	PCB-110	548		PCB-136	46.9		PCB-153/168	359	C
PCB-95	228		PCB-115	10.4		PCB-145	(0.318)		PCB-141	70.4	
PCB-100/93	2.54	J C	PCB-82	48		PCB-148	1.05	J	PCB-130	36.6	
PCB-102	8.24		PCB-111	(0.489)		PCB-151/135	122	C	PCB-137	22.9	
PCB-98	(0.648)		PCB-120	(0.499)		PCB-154	6.47		PCB-164	33.2	
PCB-88	(0.774)		PCB-107/124	17.6	C	PCB-144	16.5		PCB-163/138/129	541	C
PCB-91	36.5		PCB-109	35.6		PCB-147/149	308	C	PCB-160	6.45	
PCB-84	79.8		PCB-123	7.22		PCB-134	25.9		PCB-158	50.2	
PCB-89	3.1		PCB-106	(0.565)		PCB-143	(0.407)		PCB-128/166	79.3	C
PCB-121	(0.486)		PCB-118	442		PCB-139/140	9.33	C	PCB-159	2.74	B
PCB-92	77.4		PCB-122	[6.68]	EMPC	PCB-131	5.41		PCB-162	1.62	
PCB-113/90/101	410	C	PCB-114	9.6		PCB-142	(0.44)		PCB-167	18.4	
PCB-83	23.7		PCB-105	192		PCB-132	138		PCB-156/157	64.5	C
PCB-99	226		PCB-127	(0.611)		PCB-133	8.45		PCB-169	(1.47)	
PCB-112	(0.506)		PCB-126	[2.11]							
			Conc.	2,760					Conc.	2,050	
			EMPC	2,770					EMPC	2,050	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.229)		PCB-174	75.4	B	PCB-202	13.2		PCB-208	8.95	
PCB-179	33.9		PCB-177	54		PCB-201	6.17		PCB-207	3.66	
PCB-184	(0.245)		PCB-181	1.13	J	PCB-204	(0.495)		PCB-206	31.3	
PCB-176	9.16		PCB-171/173	26.1	C	PCB-197	1.6				
PCB-186	(0.233)		PCB-172	14.5	B	PCB-200	4.87	B	Conc.	43.9	
PCB-178	19.9		PCB-192	(0.716)		PCB-198/199	48	B C	EMPC	43.9	
PCB-175	3.15		PCB-180/193	171	B C	PCB-196	20.9	B			
PCB-187	106		PCB-191	4.44		PCB-203	31.5	B	Deca	Conc.	Qualifiers
PCB-182	0.956	J	PCB-170	86.2	B	PCB-195	16.9	B	PCB-209	17.1	
PCB-183	48.4		PCB-190	16.1	B	PCB-194	46.2	B			
PCB-185	5.6		PCB-189	3.66	B	PCB-205	2.19				
			Conc.	680		Conc.	192				
			EMPC	680		EMPC	192				

Sample ID: JW-SS-214-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.47 g	Sample ID:	A5698_11123_PCB_005	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	52.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	149				ES PCB-1	71.2	
PCB-81 344'5'-TeCB	4.61				ES PCB-3	83.8	
PCB-105 233'44'-PeCB	921				ES PCB-4	89.4	
PCB-114 2344'5'-PeCB	47.3				ES PCB-15	101	
PCB-118 23'44'5'-PeCB	2,100				ES PCB-19	95.7	
PCB-123 23'44'5'-PeCB	34.7				ES PCB-37	93.9	
PCB-126 33'44'5'-PeCB	6.03				ES PCB-54	80.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	296			C	ES PCB-77	99.6	
PCB-167 23'44'55'-HxCB	83.4				ES PCB-81	107	
PCB-169 33'44'55'-HxCB	ND	1.58			ES PCB-104	72.6	
PCB-189 233'44'55'-HpCB	10.9				ES PCB-105	94.8	
					ES PCB-114	99.7	
TEQs (WHO M/H)					ES PCB-118	101	
					ES PCB-123	97.5	
ND = 0	0.725		0.725		ES PCB-126	88.1	
ND = 0.5 x DL	0.748		0.748		ES PCB-153	97.6	
ND = DL	0.772		0.772		ES PCB-155	97.9	
					ES PCB-156/157	92.1	
Totals					ES PCB-167	97.6	
Mono-CBs	140				ES PCB-169	76.1	
Di-CBs	839				ES PCB-170	120	
Tri-CBs	2,940		2,940		ES PCB-180	122	
Tetra-CBs	6,380		6,380		ES PCB-188	92.3	
Penta-CBs	13,200				ES PCB-189	94	
Hexa-CBs	8,480		8,480		ES PCB-202	96.5	
Hepta-CBs	1,870				ES PCB-205	94.1	
Octa-CBs	470		474		ES PCB-206	101	
Nona-CBs	108				ES PCB-208	115	
Deca-CB	37.1				ES PCB-209	84.4	
					CS PCB-28	96	
Total PCB (Mono-Deca)	34,500		34,500		CS PCB-111	102	
					CS PCB-178	97	


Checkcode: 158-766-CVB

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:22 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-214-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.47 g			Sample ID: A5698_11123_PCB_005			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 52.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 158-766-CVB			Time Analyzed: 20:04:19		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	45.7		PCB-19	13.9		PCB-54	[0.469]	J EMPC	PCB-72	9.04	
PCB-2	40.1		PCB-30/18	220	C	PCB-50/53	46.4	C	PCB-68	5.69	
PCB-3	53.8		PCB-17	104		PCB-45	39.4		PCB-57	2.41	
			PCB-27	19.3		PCB-51	11.9		PCB-58	2.59	
Conc.	140		PCB-24	2.58		PCB-46	16.7		PCB-67	20.8	
EMPC	140		PCB-16	91.8		PCB-52	1,040		PCB-63	29.2	
			PCB-32	90.1		PCB-73	(0.372)		PCB-61/70/74/76	1,720	C
Di	Conc.	Qualifiers	PCB-34	[3.39]	EMPC	PCB-43	17.4		PCB-66	1,030	
PCB-4	33.3		PCB-23	(0.937)		PCB-69/49	376	C	PCB-55	11.4	
PCB-10	1.92		PCB-26/29	91.5	C	PCB-48	85.5		PCB-56	367	
PCB-9	8.09		PCB-25	44.5		PCB-44/47/65	591	C	PCB-60	156	
PCB-7	5.97		PCB-31	616		PCB-59/62/75	38.4	C	PCB-80	(1.25)	
PCB-6	27.8		PCB-28/20	798	C	PCB-42	123		PCB-79	21.4	
PCB-5	3.16		PCB-21/33	310	C	PCB-41	27.8		PCB-78	(1.61)	
PCB-8	165		PCB-22	212		PCB-71/40	228	C	PCB-81	4.61	
PCB-14	1.5	J	PCB-36	6.85		PCB-64	208		PCB-77	149	
PCB-11	421		PCB-39	6.81							
PCB-13/12	31.7	C	PCB-38	(1.02)							
PCB-15	140		PCB-35	32.7							
			PCB-37	280							
Conc.	839		Conc.	2,940					Conc.	6,380	
EMPC	839		EMPC	2,940					EMPC	6,380	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		3,920		3,920	
						Tetra-Hexa		28,100		28,100	
						Hepta-Deca		2,490		2,490	
						Mono-Deca		34,500		34,500	

Sample ID: JW-SS-214-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.283)		PCB-108/119/86/97/125/87	1,370	C	PCB-155	(0.31)		PCB-165	(0.472)	
PCB-96	7.32		PCB-117	43.8		PCB-152	1.51	J	PCB-146	265	
PCB-103	8.55		PCB-116/85	326	C	PCB-150	1.79	J	PCB-161	1.19	J
PCB-94	4.95		PCB-110	2,650		PCB-136	183		PCB-153/168	1,390	C
PCB-95	1,110		PCB-115	37		PCB-145	(0.362)		PCB-141	306	
PCB-100/93	9.21	C	PCB-82	232		PCB-148	1.37	J	PCB-130	156	
PCB-102	37.3		PCB-111	(0.832)		PCB-151/135	451	C	PCB-137	110	
PCB-98	(1.1)		PCB-120	(0.849)		PCB-154	18.4		PCB-164	143	
PCB-88	(1.32)		PCB-107/124	87	C	PCB-144	69.7		PCB-163/138/129	2,280	C
PCB-91	169		PCB-109	152		PCB-147/149	1,230	C	PCB-160	45.8	
PCB-84	390		PCB-123	34.7		PCB-134	121		PCB-158	234	
PCB-89	13.9		PCB-106	(0.961)		PCB-143	(0.537)		PCB-128/166	363	C
PCB-121	(0.826)		PCB-118	2,100		PCB-139/140	40	C	PCB-159	[6.88]	EMPC
PCB-92	356		PCB-122	28.2		PCB-131	30.6		PCB-162	7.01	
PCB-113/90/101	1,920	C	PCB-114	47.3		PCB-142	(0.581)		PCB-167	83.4	
PCB-83	107		PCB-105	921		PCB-132	621		PCB-156/157	296	C
PCB-99	1,020		PCB-127	(1.03)		PCB-133	28		PCB-169	(1.58)	
PCB-112	(0.86)		PCB-126	6.03							
			Conc.	13,200					Conc.	8,480	
			EMPC	13,200					EMPC	8,480	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	0.615	J	PCB-174	207		PCB-202	33.6		PCB-208	22.8	
PCB-179	85.3		PCB-177	137		PCB-201	16.5		PCB-207	9.25	
PCB-184	(0.415)		PCB-181	4.3		PCB-204	(0.626)		PCB-206	76.4	
PCB-176	24.4		PCB-171/173	76.2	C	PCB-197	2.83				
PCB-186	(0.394)		PCB-172	41.5		PCB-200	12.8		Conc.	108	
PCB-178	44.3		PCB-192	(0.937)		PCB-198/199	120	C	EMPC	108	
PCB-175	9.81		PCB-180/193	484	C	PCB-196	52.6				
PCB-187	271		PCB-191	13.1		PCB-203	78.4		Deca	Conc.	Qualifiers
PCB-182	2.29		PCB-170	256		PCB-195	39.3		PCB-209	37.1	
PCB-183	142		PCB-190	46.7		PCB-194	113				
PCB-185	14.3		PCB-189	10.9		PCB-205	[4.63]	EMPC			
			Conc.	1,870		Conc.	470				
			EMPC	1,870		EMPC	474				

Sample ID: JW-SS-215-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	5.78 g	Sample ID:	A5698_11123_PCB_006	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	56.1 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	97.8				ES PCB-1	65.8	
PCB-81 344'5'-TeCB	3.34				ES PCB-3	79.6	
PCB-105 233'44'-PeCB	662				ES PCB-4	87.8	
PCB-114 2344'5'-PeCB	31.7				ES PCB-15	101	
PCB-118 23'44'5'-PeCB	1,460				ES PCB-19	96.7	
PCB-123 23'44'5'-PeCB	23.9				ES PCB-37	93.4	
PCB-126 33'44'5'-PeCB	5.19				ES PCB-54	79.8	
PCB-156/157 233'44'5'/233'44'5'-HxCB	183			C	ES PCB-77	90.4	
PCB-167 23'44'55'-HxCB	56.4				ES PCB-81	97.9	
PCB-169 33'44'55'-HxCB	ND	1.77			ES PCB-104	77.9	
PCB-189 233'44'55'-HpCB	10.4				ES PCB-105	89.8	
					ES PCB-114	92.2	
TEQs (WHO M/H)					ES PCB-118	97.1	
					ES PCB-123	93.5	
ND = 0	0.603		0.603		ES PCB-126	79.2	
ND = 0.5 x DL	0.63		0.63		ES PCB-153	108	
ND = DL	0.656		0.656		ES PCB-155	106	
					ES PCB-156/157	94	
Totals					ES PCB-167	98.1	
Mono-CBs	218				ES PCB-169	73	
Di-CBs	866				ES PCB-170	115	
Tri-CBs	2,730				ES PCB-180	119	
Tetra-CBs	6,640		6,640		ES PCB-188	95.7	
Penta-CBs	10,200				ES PCB-189	95.1	
Hexa-CBs	6,210		6,210		ES PCB-202	101	
Hepta-CBs	2,090		2,090		ES PCB-205	94.4	
Octa-CBs	542				ES PCB-206	103	
Nona-CBs	94.9				ES PCB-208	113	
Deca-CB	32.4				ES PCB-209	86.1	
					CS PCB-28	93.9	
Total PCB (Mono-Deca)	29,600		29,600		CS PCB-111	96.5	
					CS PCB-178	105	


Checkcode: 635-390-KBR

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:22 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-215-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 5.78 g			Sample ID: A5698_11123_PCB_006			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 56.1 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 635-390-KBR			Time Analyzed: 20:58:36		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	82.2		PCB-19	14.5		PCB-54	(0.387)		PCB-72	14	
PCB-2	52.6		PCB-30/18	245	C	PCB-50/53	53.4	C	PCB-68	7.59	
PCB-3	82.9		PCB-17	119		PCB-45	48.1		PCB-57	3.01	
			PCB-27	20.7		PCB-51	15.3		PCB-58	4.31	
Conc.	218		PCB-24	3.33		PCB-46	20.4		PCB-67	23.3	
EMPC	218		PCB-16	106		PCB-52	1,050		PCB-63	32.5	
			PCB-32	93.6		PCB-73	[2.8]	EMPC	PCB-61/70/74/76	1,680	C
Di	Conc.	Qualifiers	PCB-34	4.2		PCB-43	21.1		PCB-66	970	
PCB-4	41.9		PCB-23	(0.66)		PCB-69/49	428	C	PCB-55	13.2	
PCB-10	2.53		PCB-26/29	89.1	C	PCB-48	102		PCB-56	390	
PCB-9	11.7		PCB-25	45.2		PCB-44/47/65	682	C	PCB-60	170	
PCB-7	8.17		PCB-31	545		PCB-59/62/75	48.6	C	PCB-80	(1.7)	
PCB-6	36.9		PCB-28/20	706	C	PCB-42	159		PCB-79	20.2	
PCB-5	4.78		PCB-21/33	272	C	PCB-41	40.3		PCB-78	(2.19)	
PCB-8	179		PCB-22	203		PCB-71/40	291	C	PCB-81	3.34	
PCB-14	2.16		PCB-36	5.95		PCB-64	257		PCB-77	97.8	
PCB-11	394		PCB-39	5.18							
PCB-13/12	33.1	C	PCB-38	1.19	J						
PCB-15	152		PCB-35	22.9							
			PCB-37	231							
Conc.	866		Conc.	2,730					Conc.	6,640	
EMPC	866		EMPC	2,730					EMPC	6,640	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		3,820		3,820	
						Tetra-Hexa		23,000		23,000	
						Hepta-Deca		2,760		2,760	
						Mono-Deca		29,600		29,600	

Sample ID: JW-SS-215-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.322)		PCB-108/119/86/97/125/87	1,030	C	PCB-155	(0.274)		PCB-165	(0.385)	
PCB-96	6.36		PCB-117	28.2		PCB-152	[0.734]	J EMPC	PCB-146	217	
PCB-103	9.65		PCB-116/85	249	C	PCB-150	1.32	J	PCB-161	1.09	J
PCB-94	5.17		PCB-110	1,980		PCB-136	151		PCB-153/168	1,090	C
PCB-95	1,010		PCB-115	36.8		PCB-145	(0.32)		PCB-141	225	
PCB-100/93	9.99	C	PCB-82	175		PCB-148	1.65	J	PCB-130	106	
PCB-102	35.6		PCB-111	(1.41)		PCB-151/135	384	C	PCB-137	58.7	
PCB-98	(1.87)		PCB-120	(1.44)		PCB-154	15		PCB-164	99.5	
PCB-88	(2.24)		PCB-107/124	56.6	C	PCB-144	54		PCB-163/138/129	1,580	C
PCB-91	149		PCB-109	111		PCB-147/149	970	C	PCB-160	22.1	
PCB-84	343		PCB-123	23.9		PCB-134	75.7		PCB-158	151	
PCB-89	13.6		PCB-106	(1.63)		PCB-143	4.86		PCB-128/166	257	C
PCB-121	(1.4)		PCB-118	1,460		PCB-139/140	24.4	C	PCB-159	12.3	
PCB-92	289		PCB-122	21.4		PCB-131	17.3		PCB-162	4.72	
PCB-113/90/101	1,520	C	PCB-114	31.7		PCB-142	(0.473)		PCB-167	56.4	
PCB-83	82.9		PCB-105	662		PCB-132	425		PCB-156/157	183	C
PCB-99	807		PCB-127	(1.71)		PCB-133	22.9		PCB-169	(1.77)	
PCB-112	(1.46)		PCB-126	[5.19]							
			Conc.	10,200					Conc.	6,210	
			EMPC	10,200					EMPC	6,210	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	[0.506]	J EMPC	PCB-174	241		PCB-202	33.3		PCB-208	20.9	
PCB-179	108		PCB-177	159		PCB-201	17.1		PCB-207	8.44	
PCB-184	(0.39)		PCB-181	3.22		PCB-204	(0.577)		PCB-206	65.6	
PCB-176	29.6		PCB-171/173	80.9	C	PCB-197	3.65				
PCB-186	(0.37)		PCB-172	46.1		PCB-200	14.9		Conc.	94.9	
PCB-178	52.3		PCB-192	(0.989)		PCB-198/199	137	C	EMPC	94.9	
PCB-175	11.1		PCB-180/193	546	C	PCB-196	61.5				
PCB-187	303		PCB-191	14.4		PCB-203	85.4		Deca	Conc.	Qualifiers
PCB-182	2.4		PCB-170	265		PCB-195	49.2		PCB-209	32.4	
PCB-183	148		PCB-190	48.1		PCB-194	134				
PCB-185	23.3		PCB-189	10.4		PCB-205	6.35				
			Conc.	2,090		Conc.	542				
			EMPC	2,090		EMPC	542				

Sample ID: JW-SS-216-130429**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	01-May-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.47 g	Sample ID:	A5698_11123_PCB_007	Date Extracted:	10-Jul-2013
Date Collected:	29-Apr-2013	% Solids	72.9 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	28.1				ES PCB-1	61.6	
PCB-81 344'5'-TeCB	1.52				ES PCB-3	73.3	
PCB-105 233'44'-PeCB	139				ES PCB-4	79.2	
PCB-114 2344'5'-PeCB	6.94				ES PCB-15	88.3	
PCB-118 23'44'5'-PeCB	318				ES PCB-19	86.3	
PCB-123 23'44'5'-PeCB	4.96				ES PCB-37	85.9	
PCB-126 33'44'5'-PeCB	1.48				ES PCB-54	69.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	38.2			C	ES PCB-77	84.8	
PCB-167 23'44'55'-HxCB	11.7				ES PCB-81	88.5	
PCB-169 33'44'55'-HxCB	ND	0.818			ES PCB-104	69.7	
PCB-189 233'44'55'-HpCB	2.39			B	ES PCB-105	87.3	
					ES PCB-114	88.1	
TEQs (WHO M/H)					ES PCB-118	91.7	
					ES PCB-123	90	
ND = 0	0.167		0.167		ES PCB-126	77.9	
ND = 0.5 x DL	0.179		0.179		ES PCB-153	92	
ND = DL	0.191		0.191		ES PCB-155	88.4	
					ES PCB-156/157	84.8	
Totals					ES PCB-167	89.7	
Mono-CBs	115				ES PCB-169	72.4	
Di-CBs	289		295		ES PCB-170	97.5	
Tri-CBs	1,050		1,050		ES PCB-180	103	
Tetra-CBs	2,180				ES PCB-188	84	
Penta-CBs	2,280		2,280		ES PCB-189	81.5	
Hexa-CBs	1,500		1,500		ES PCB-202	87.7	
Hepta-CBs	555				ES PCB-205	82.8	
Octa-CBs	150		151		ES PCB-206	89.5	
Nona-CBs	29.8				ES PCB-208	99.6	
Deca-CB	10.7				ES PCB-209	76.7	
					CS PCB-28	84.2	
Total PCB (Mono-Deca)	8,160		8,170		CS PCB-111	97.2	
					CS PCB-178	89.7	


Checkcode: 627-870-VTH

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:23 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-SS-216-130429						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 01-May-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 8.47 g			Sample ID: A5698_11123_PCB_007			Date Extracted: 10-Jul-2013		
Date Collected: 29-Apr-2013			% Solids: 72.9 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 627-870-VTH			Time Analyzed: 21:52:50		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	53.6		PCB-19	8.16		PCB-54	(0.262)		PCB-72	4.28	
PCB-2	20.9		PCB-30/18	113	C	PCB-50/53	23.5	C	PCB-68	2.39	
PCB-3	40.4		PCB-17	55		PCB-45	23.4		PCB-57	1.01	J
			PCB-27	8.95		PCB-51	6.09		PCB-58	1.04	J
Conc.	115		PCB-24	1.66		PCB-46	9.45		PCB-67	8.52	
EMPC	115		PCB-16	49.9		PCB-52	293		PCB-63	11.1	
			PCB-32	42.4		PCB-73	1.5		PCB-61/70/74/76	498	C
Di	Conc.	Qualifiers	PCB-34	1.37		PCB-43	8.31		PCB-66	313	
PCB-4	25.5		PCB-23	(0.454)		PCB-69/49	151	C	PCB-55	4.28	
PCB-10	[1.58]	EMPC	PCB-26/29	32.4	C	PCB-48	42		PCB-56	135	
PCB-9	6.89		PCB-25	16.3		PCB-44/47/65	240	C	PCB-60	65.2	
PCB-7	[4.78]	EMPC	PCB-31	199		PCB-59/62/75	20.1	C	PCB-80	(0.602)	
PCB-6	19.1		PCB-28/20	259	C	PCB-42	64.5		PCB-79	4.57	
PCB-5	2.7		PCB-21/33	101	C	PCB-41	16.5		PCB-78	(0.775)	
PCB-8	85.5		PCB-22	78.3		PCB-71/40	106	C	PCB-81	1.52	
PCB-14	0.768	J	PCB-36	1.39		PCB-64	94.9		PCB-77	28.1	
PCB-11	80.4	B	PCB-39	[1.79]	EMPC						
PCB-13/12	13.2	C	PCB-38	(0.493)							
PCB-15	55		PCB-35	6.88							
			PCB-37	76.1							
Conc.	289		Conc.	1,050					Conc.	2,180	
EMPC	295		EMPC	1,050					EMPC	2,180	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		1,450		1,460	
						Tetra-Hexa		5,950		5,960	
						Hepta-Deca		746		747	
						Mono-Deca		8,160		8,170	

Sample ID: JW-SS-216-130429						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.237)		PCB-108/119/86/97/125/87	225	C	PCB-155	(0.191)		PCB-165	(0.263)	
PCB-96	[1.95]	EMPC	PCB-117	9.42		PCB-152	(0.208)		PCB-146	58.2	
PCB-103	3.56		PCB-116/85	55	C	PCB-150	(0.205)		PCB-161	(0.228)	
PCB-94	[1.46]	EMPC	PCB-110	436		PCB-136	39		PCB-153/168	274	C
PCB-95	225		PCB-115	8.29		PCB-145	(0.222)		PCB-141	55.5	
PCB-100/93	3.3	C	PCB-82	42.9		PCB-148	[0.521]	J EMPC	PCB-130	24.7	
PCB-102	10.3		PCB-111	(0.539)		PCB-151/135	103	C	PCB-137	12.8	
PCB-98	(0.713)		PCB-120	(0.549)		PCB-154	4.83		PCB-164	23.1	
PCB-88	(0.853)		PCB-107/124	11.9	C	PCB-144	13.6		PCB-163/138/129	368	C
PCB-91	38		PCB-109	28.1		PCB-147/149	245	C	PCB-160	4.59	
PCB-84	80		PCB-123	4.96		PCB-134	17.4		PCB-158	33.2	
PCB-89	4.34		PCB-106	(0.622)		PCB-143	1.88		PCB-128/166	50.4	C
PCB-121	(0.535)		PCB-118	318		PCB-139/140	5.75	C	PCB-159	2.79	B
PCB-92	67.4		PCB-122	4.87		PCB-131	3.72		PCB-162	1.24	
PCB-113/90/101	329	C	PCB-114	6.94		PCB-142	(0.323)		PCB-167	11.7	
PCB-83	20.6		PCB-105	139		PCB-132	103		PCB-156/157	38.2	C
PCB-99	199		PCB-127	(0.679)		PCB-133	5.73		PCB-169	(0.818)	
PCB-112	1.71		PCB-126	[1.48]							
			Conc.	2,280					Conc.	1,500	
			EMPC	2,280					EMPC	1,500	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.256)		PCB-174	65.1	B	PCB-202	10.1		PCB-208	6.38	
PCB-179	29.1		PCB-177	42.3		PCB-201	5.1		PCB-207	2.54	
PCB-184	(0.275)		PCB-181	(0.646)		PCB-204	(0.437)		PCB-206	20.8	
PCB-176	7.55		PCB-171/173	20.7	B C	PCB-197	[1.13]	J EMPC			
PCB-186	(0.26)		PCB-172	11.6	B	PCB-200	4.04	B	Conc.	29.8	
PCB-178	14.9		PCB-192	(0.588)		PCB-198/199	40.7	B C	EMPC	29.8	
PCB-175	2.99		PCB-180/193	144	B C	PCB-196	16.9	B			
PCB-187	88		PCB-191	3.38		PCB-203	24.3	B	Deca	Conc.	Qualifiers
PCB-182	(0.598)		PCB-170	65.2	B	PCB-195	12.2	B	PCB-209	10.7	
PCB-183	38.7	B	PCB-190	12.2	B	PCB-194	35.3	B			
PCB-185	7.1		PCB-189	2.39	B	PCB-205	1.74				
			Conc.	555		Conc.	150				
			EMPC	555		EMPC	151				

Sample ID: JW-EA09-SC36-A-130426**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	30-Apr-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	8.00 g	Sample ID:	A5698_11123_PCB_015	Date Extracted:	10-Jul-2013
Date Collected:	26-Apr-2013	% Solids	71.7 %	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	64.4				ES PCB-1	57.9	
PCB-81 344'5'-TeCB	2.71				ES PCB-3	76.1	
PCB-105 233'44'-PeCB	427				ES PCB-4	79.2	
PCB-114 2344'5'-PeCB	20.3				ES PCB-15	91.2	
PCB-118 23'44'5'-PeCB	962				ES PCB-19	85.7	
PCB-123 23'44'5'-PeCB	18.1				ES PCB-37	85.7	
PCB-126 33'44'5'-PeCB	3.82				ES PCB-54	71.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	148			C	ES PCB-77	90.7	
PCB-167 23'44'55'-HxCB	44.2				ES PCB-81	96.3	
PCB-169 33'44'55'-HxCB	ND	1.24			ES PCB-104	66.2	
PCB-189 233'44'55'-HpCB	9.57				ES PCB-105	90	
					ES PCB-114	89.5	
TEQs (WHO M/H)					ES PCB-118	90.3	
					ES PCB-123	89.1	
ND = 0	0.438		0.438		ES PCB-126	79.9	
ND = 0.5 x DL	0.456		0.456		ES PCB-153	90.3	
ND = DL	0.475		0.475		ES PCB-155	88.3	
					ES PCB-156/157	87.5	
Totals					ES PCB-167	89.8	
Mono-CBs	67.2				ES PCB-169	80	
Di-CBs	434				ES PCB-170	101	
Tri-CBs	1,620				ES PCB-180	108	
Tetra-CBs	3,940		3,940		ES PCB-188	83.9	
Penta-CBs	6,710				ES PCB-189	85.5	
Hexa-CBs	5,130		5,130		ES PCB-202	92.4	
Hepta-CBs	2,050		2,050		ES PCB-205	83.8	
Octa-CBs	519		523		ES PCB-206	90.7	
Nona-CBs	101				ES PCB-208	99.6	
Deca-CB	44.4				ES PCB-209	73.3	
					CS PCB-28	85.9	
Total PCB (Mono-Deca)	20,600		20,600		CS PCB-111	92.1	
					CS PCB-178	87.4	


Checkcode: 344-876-HLN

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:23 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-EA09-SC36-A-130426						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: 30-Apr-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 8.00 g			Sample ID: A5698_11123_PCB_015			Date Extracted: 10-Jul-2013		
Date Collected: 26-Apr-2013			% Solids: 71.7 %			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 344-876-HLN			Time Analyzed: 22:47:06		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	18.9		PCB-19	13.3		PCB-54	(0.296)		PCB-72	8.49	
PCB-2	21.2		PCB-30/18	168	C	PCB-50/53	40.2	C	PCB-68	4.54	
PCB-3	27.1		PCB-17	74.3		PCB-45	35.1		PCB-57	[1.65]	EMPC
			PCB-27	13.7		PCB-51	12.3		PCB-58	2.26	
Conc.	67.2		PCB-24	1.9		PCB-46	16		PCB-67	12.7	
EMPC	67.2		PCB-16	73.5		PCB-52	672		PCB-63	18.1	
			PCB-32	63.7		PCB-73	2.07		PCB-61/70/74/76	900	C
Di	Conc.	Qualifiers	PCB-34	2.17		PCB-43	14		PCB-66	529	
PCB-4	22.7		PCB-23	(0.635)		PCB-69/49	261	C	PCB-55	8.07	
PCB-10	1.41		PCB-26/29	49.6	C	PCB-48	62.9		PCB-56	230	
PCB-9	4.13		PCB-25	23.5		PCB-44/47/65	428	C	PCB-60	115	
PCB-7	2.75		PCB-31	313		PCB-59/62/75	28.6	C	PCB-80	(0.769)	
PCB-6	14.2		PCB-28/20	400	C	PCB-42	97.9		PCB-79	10.3	
PCB-5	1.82		PCB-21/33	146	C	PCB-41	27.7		PCB-78	(0.99)	
PCB-8	74.3		PCB-22	118		PCB-71/40	186	C	PCB-81	2.71	
PCB-14	1.63		PCB-36	3		PCB-64	154		PCB-77	64.4	
PCB-11	214		PCB-39	2.92							
PCB-13/12	18.5	C	PCB-38	(0.69)							
PCB-15	78.3		PCB-35	14.5							
			PCB-37	135							
Conc.	434		Conc.	1,620					Conc.	3,940	
EMPC	434		EMPC	1,620					EMPC	3,940	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		2,120		2,120	
						Tetra-Hexa		15,800		15,800	
						Hepta-Deca		2,720		2,720	
						Mono-Deca		20,600		20,600	

Sample ID: JW-EA09-SC36-A-130426						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.231)		PCB-108/119/86/97/125/87	692	C	PCB-155	(0.212)		PCB-165	(0.31)	
PCB-96	4.89		PCB-117	25.9		PCB-152	0.714	J	PCB-146	170	
PCB-103	5.66		PCB-116/85	160	C	PCB-150	0.881	J	PCB-161	[0.403]	J EMPC
PCB-94	3.4		PCB-110	1,310		PCB-136	122		PCB-153/168	896	C
PCB-95	625		PCB-115	23		PCB-145	(0.247)		PCB-141	208	
PCB-100/93	5.81	C	PCB-82	124		PCB-148	[0.617]	J EMPC	PCB-130	83.4	
PCB-102	24.9		PCB-111	(0.476)		PCB-151/135	322	C	PCB-137	55.9	
PCB-98	(0.63)		PCB-120	(0.485)		PCB-154	9.82		PCB-164	78.2	
PCB-88	128		PCB-107/124	38	C	PCB-144	46.4		PCB-163/138/129	1,310	C
PCB-91	(0.546)		PCB-109	74.4		PCB-147/149	806	C	PCB-160	19.4	
PCB-84	218		PCB-123	18.1		PCB-134	63.7		PCB-158	130	
PCB-89	11.7		PCB-106	(0.55)		PCB-143	3.52		PCB-128/166	197	C
PCB-121	(0.473)		PCB-118	962		PCB-139/140	20	C	PCB-159	10.8	
PCB-92	195		PCB-122	13.8		PCB-131	14.1		PCB-162	3.61	
PCB-113/90/101	1,010	C	PCB-114	20.3		PCB-142	(0.382)		PCB-167	44.2	
PCB-83	52.7		PCB-105	427		PCB-132	352		PCB-156/157	148	C
PCB-99	532		PCB-127	(0.569)		PCB-133	16.5		PCB-169	(1.24)	
PCB-112	(0.492)		PCB-126	3.82							
			Conc.	6,710					Conc.	5,130	
			EMPC	6,710					EMPC	5,130	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.282)		PCB-174	250		PCB-202	30.2		PCB-208	25	
PCB-179	101		PCB-177	149		PCB-201	16.6		PCB-207	8.33	
PCB-184	(0.303)		PCB-181	[2.56]	EMPC	PCB-204	(0.413)		PCB-206	68	
PCB-176	29.1		PCB-171/173	80.3	C	PCB-197	[4.4]	EMPC			
PCB-186	(0.287)		PCB-172	44.5		PCB-200	14.4		Conc.	101	
PCB-178	47.4		PCB-192	(0.759)		PCB-198/199	133	C	EMPC	101	
PCB-175	11.2		PCB-180/193	543	C	PCB-196	61.1				
PCB-187	281		PCB-191	14.2		PCB-203	78.4		Deca	Conc.	Qualifiers
PCB-182	1.79		PCB-170	262		PCB-195	50.8		PCB-209	44.4	
PCB-183	155		PCB-190	49.9		PCB-194	128				
PCB-185	22.5		PCB-189	9.57		PCB-205	6.29				
			Conc.	2,050		Conc.	519				
			EMPC	2,050		EMPC	523				

Sample ID: Method Blank A5698

Method 1668A

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5698	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	MB1_11123_PCB_SDS-RJ	Date Extracted:	10-Jul-2013
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	11123	Date Analyzed:	19-Jul-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.283			ES PCB-1	67.3	
PCB-81 344'5'-TeCB	ND	0.285			ES PCB-3	70.3	
PCB-105 233'44'-PeCB	EMPC		0.836	J	ES PCB-4	82	
PCB-114 2344'5'-PeCB	ND	0.21			ES PCB-15	84.4	
PCB-118 23'44'5'-PeCB	1.95				ES PCB-19	90.4	
PCB-123 23'44'5'-PeCB	ND	0.205			ES PCB-37	79.9	
PCB-126 33'44'5'-PeCB	ND	0.227			ES PCB-54	73.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	1.3			J C	ES PCB-77	87.6	
PCB-167 23'44'55'-HxCB	EMPC		0.352	J	ES PCB-81	87.8	
PCB-169 33'44'55'-HxCB	ND	0.442			ES PCB-104	73.4	
PCB-189 233'44'55'-HpCB	0.459			J	ES PCB-105	87.6	
					ES PCB-114	84.2	
TEQs (WHO M/H)					ES PCB-118	87.1	
					ES PCB-123	86.6	
ND = 0	0.000111		0.000147		ES PCB-126	71.2	
ND = 0.5 x DL	0.0182		0.0182		ES PCB-153	86.5	
ND = DL	0.0363		0.0363		ES PCB-155	84.2	
					ES PCB-156/157	81.2	
Totals					ES PCB-167	81.9	
Mono-CBs	ND	0.179			ES PCB-169	62.3	
Di-CBs	19.2				ES PCB-170	94.5	
Tri-CBs	7.71				ES PCB-180	97.5	
Tetra-CBs	8.69		9.7		ES PCB-188	78.3	
Penta-CBs	8.09		13.3		ES PCB-189	78.1	
Hexa-CBs	47.1		49.2		ES PCB-202	87.7	
Hepta-CBs	67.3		69.8		ES PCB-205	81.6	
Octa-CBs	23.5				ES PCB-206	83.6	
Nona-CBs	1.44				ES PCB-208	98.2	
Deca-CB	ND	0.288			ES PCB-209	79.2	
					CS PCB-28	80.1	
Total PCB (Mono-Deca)	183		194		CS PCB-111	97	
					CS PCB-178	83.6	


Checkcode: 683-855-XQP

SGS AP PCB 2013 Rev. 1.3

Report Created: 23-Jul-2013 16:18 Analyst: LB



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5698						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5698			Date Received: n/a		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: MB1_11123_PCB_SDS-RJ			Date Extracted: 10-Jul-2013		
Date Collected: n/a			% Solids: n/a			QC Batch No.: 11123			Date Analyzed: 19-Jul-2013		
			Units: pg/g			Checkcode: 683-855-XQP			Time Analyzed: 15:32:53		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(0.16)		PCB-19	(0.326)		PCB-54	(0.186)		PCB-72	(0.261)	
PCB-2	(0.199)		PCB-30/18	0.858	J C	PCB-50/53	(0.263)	C	PCB-68	(0.25)	
PCB-3	(0.198)		PCB-17	0.437	J	PCB-45	(0.282)		PCB-57	(0.277)	
			PCB-27	(0.223)		PCB-51	(0.275)		PCB-58	(0.278)	
Conc.	0		PCB-24	(0.227)		PCB-46	(0.322)		PCB-67	(0.26)	
EMPC	0		PCB-16	(0.377)		PCB-52	1.9		PCB-63	(0.252)	
			PCB-32	0.351	J	PCB-73	(0.206)		PCB-61/70/74/76	2.47	J C
Di	Conc.	Qualifiers	PCB-34	(0.228)		PCB-43	(0.32)		PCB-66	1.34	
PCB-4	(0.231)		PCB-23	(0.221)		PCB-69/49	0.871	J C	PCB-55	(0.282)	
PCB-10	(0.148)		PCB-26/29	0.339	J C	PCB-48	(0.276)		PCB-56	[0.531]	J EMPC
PCB-9	(0.343)		PCB-25	(0.22)		PCB-44/47/65	1.63	J C	PCB-60	(0.289)	
PCB-7	(0.305)		PCB-31	1.41		PCB-59/62/75	(0.205)	C	PCB-80	(0.244)	
PCB-6	(0.333)		PCB-28/20	1.95	J C	PCB-42	(0.289)		PCB-79	(0.263)	
PCB-5	(0.328)		PCB-21/33	1.06	J C	PCB-41	(0.336)		PCB-78	(0.314)	
PCB-8	0.661	J	PCB-22	0.789	J	PCB-71/40	[0.475]	J EMPC C	PCB-81	(0.285)	
PCB-14	(0.282)		PCB-36	(0.226)		PCB-64	0.472	J	PCB-77	(0.283)	
PCB-11	18	B	PCB-39	(0.228)							
PCB-13/12	(0.35)	C	PCB-38	(0.24)							
PCB-15	0.497	J	PCB-35	(0.266)							
			PCB-37	0.514	J						
Conc.	19.2		Conc.	7.71					Conc.	8.69	
EMPC	19.2		EMPC	7.71					EMPC	9.7	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		26.9		26.9	
						Tetra-Hexa		63.9		72.1	
						Hepta-Deca		92.2		94.8	
						Mono-Deca		183		194	

Sample ID: Method Blank A5698						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.134)		PCB-108/119/86/97/125/87	1.71	J C	PCB-155	(0.109)		PCB-165	(0.156)	
PCB-96	(0.151)		PCB-117	(0.235)		PCB-152	(0.118)		PCB-146	1.64	
PCB-103	(0.251)		PCB-116/85	(0.233)	C	PCB-150	(0.117)		PCB-161	(0.135)	
PCB-94	(0.287)		PCB-110	2.86		PCB-136	0.709	J	PCB-153/168	11.7	B C
PCB-95	[1.68]	EMPC	PCB-115	(0.186)		PCB-145	(0.127)		PCB-141	2.46	
PCB-100/93	(0.263)	C	PCB-82	(0.318)		PCB-148	(0.17)		PCB-130	(0.209)	
PCB-102	(0.266)		PCB-111	(0.199)		PCB-151/135	2.45	C	PCB-137	(0.168)	
PCB-98	(0.263)		PCB-120	(0.202)		PCB-154	(0.156)		PCB-164	0.95	J
PCB-88	(0.314)		PCB-107/124	(0.226)	C	PCB-144	0.274	J	PCB-163/138/129	14.5	C
PCB-91	(0.228)		PCB-109	(0.211)		PCB-147/149	6.97	C	PCB-160	(0.138)	
PCB-84	0.472	J	PCB-123	(0.205)		PCB-134	0.309	J	PCB-158	1.18	
PCB-89	(0.293)		PCB-106	(0.229)		PCB-143	(0.177)		PCB-128/166	[1.37]	J EMPC C
PCB-121	(0.197)		PCB-118	1.95		PCB-139/140	(0.17)	C	PCB-159	[0.291]	J EMPC
PCB-92	[0.327]	J EMPC	PCB-122	(0.249)		PCB-131	(0.195)		PCB-162	(0.276)	
PCB-113/90/101	[2.36]	J EMPC C	PCB-114	(0.21)		PCB-142	(0.191)		PCB-167	[0.352]	J EMPC
PCB-83	(0.331)		PCB-105	[0.836]	J EMPC	PCB-132	2.66		PCB-156/157	1.3	J C
PCB-99	1.1		PCB-127	(0.237)		PCB-133	(0.186)		PCB-169	(0.442)	
PCB-112	(0.205)		PCB-126	(0.227)							
			Conc.	8.09					Conc.	47.1	
			EMPC	13.3					EMPC	49.2	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.156)		PCB-174	7.79	B	PCB-202	0.532	J	PCB-208	(0.354)	
PCB-179	1.85		PCB-177	4.18		PCB-201	0.372	J	PCB-207	(0.367)	
PCB-184	(0.167)		PCB-181	(0.28)		PCB-204	(0.206)		PCB-206	1.44	
PCB-176	[0.471]	J EMPC	PCB-171/173	2.55	C	PCB-197	(0.199)				
PCB-186	(0.158)		PCB-172	1.48		PCB-200	0.604	J	Conc.	1.44	
PCB-178	0.978	J	PCB-192	(0.255)		PCB-198/199	5.13	C	EMPC	1.44	
PCB-175	(0.284)		PCB-180/193	24.1	B C	PCB-196	3.06				
PCB-187	7.35	B	PCB-191	(0.247)		PCB-203	3.24		Deca	Conc.	Qualifiers
PCB-182	(0.259)		PCB-170	12.1	B	PCB-195	3.1		PCB-209	(0.288)	
PCB-183	4.5		PCB-190	[2.08]	EMPC	PCB-194	7.46	B			
PCB-185	(0.274)		PCB-189	0.459	J	PCB-205	(0.326)				
			Conc.	67.3		Conc.	23.5				
			EMPC	69.8		EMPC	23.5				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	106	50 - 150	Y
PCB-3 4-MoCB	50	108	50 - 150	Y
PCB-4 22'-DiCB	50	108	50 - 150	Y
PCB-15 44'-DiCB	50	101	50 - 150	Y
PCB-19 22'6'-TrCB	50	108	50 - 150	Y
PCB-37 344'-TrCB	50	108	50 - 150	Y
PCB-54 22'66'-TeCB	50	112	50 - 150	Y
PCB-77 33'44'-TeCB	50	103	50 - 150	Y
PCB-81 344'5'-TeCB	50	107	50 - 150	Y
PCB-104 22'466'-PeCB	50	113	50 - 150	Y
PCB-105 233'44'-PeCB	50	110	50 - 150	Y
PCB-114 2344'5'-PeCB	50	113	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	108	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	113	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	101	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	112	50 - 150	Y
PCB-156/157 ...-HxCB	100	108	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	111	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	115	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	104	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	113	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	108	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	105	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	105	50 - 150	Y
PCB-209 DeCB	50	103	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 23 Jul 2013 16:16 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	69.1	30 - 140	Y
ES PCB-3	100	71.8	30 - 140	Y
ES PCB-4	100	85.6	30 - 140	Y
ES PCB-15	100	83.8	30 - 140	Y
ES PCB-19	100	92.7	30 - 140	Y
ES PCB-37	100	76.5	30 - 140	Y
ES PCB-54	100	72.6	30 - 140	Y
ES PCB-77	100	82.5	30 - 140	Y
ES PCB-81	100	81.6	30 - 140	Y
ES PCB-104	100	74	30 - 140	Y
ES PCB-105	100	86.6	30 - 140	Y
ES PCB-114	100	83.7	30 - 140	Y
ES PCB-118	100	87.2	30 - 140	Y
ES PCB-123	100	87.2	30 - 140	Y
ES PCB-126	100	69.2	30 - 140	Y
ES PCB-153	100	86.6	30 - 140	Y
ES PCB-155	100	83.2	30 - 140	Y
ES PCB-156/157	200	78.8	30 - 140	Y
ES PCB-167	100	82.7	30 - 140	Y
ES PCB-169	100	64.1	30 - 140	Y
ES PCB-170	100	92.5	30 - 140	Y
ES PCB-180	100	92.2	30 - 140	Y
ES PCB-188	100	78.3	30 - 140	Y
ES PCB-189	100	76	30 - 140	Y
ES PCB-202	100	87.4	30 - 140	Y
ES PCB-205	100	80.2	30 - 140	Y
ES PCB-206	100	82	30 - 140	Y
ES PCB-208	100	97.5	30 - 140	Y
ES PCB-209	100	80.7	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	78.4	40 - 125	Y
CS PCB-111	100	99.1	40 - 125	Y
CS PCB-178	100	86.2	40 - 125	Y

Processed: 23 Jul 2013 16:16 Analyst: LB



Sample Receipt Notification

2714 Exchange Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time:
AP Project name: A5698
Requested TAT: 21 days
Projected due date: 24-Jul-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#: JW → Jeld-Wen
QAAP/Contract #:
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-207-130429	A5698_001	Sed PCB	1	29-Apr-13	11:57		n/a	
JW-SS-208-130429	A5698_002	Sed PCB	1	29-Apr-13	12:50		n/a	
JW-SS-209-130429	A5698_003	Sed PCB	1	29-Apr-13	13:00		n/a	
JW-SS-211-130429	A5698_004	Sed B&H	1	29-Apr-13	12:16		n/a	
JW-SS-214-130429	A5698_005	Sed " "	1	29-Apr-13	11:28		n/a	
JW-SS-215-130429	A5698_006	Sed " "	1	29-Apr-13	11:18		n/a	
JW-SS-216-130429	A5698_007	Sed " "	1	29-Apr-13	12:20		n/a	
JW-EA02-SC05-D-130423	A5698_008	Sed D/F	1	23-Apr-13	15:20		n/a	
JW-EA04-SC13-D-130423	A5698_009	Sed D/F	1	23-Apr-13	10:50		n/a	
JW-EA06-SC21-A-130423	A5698_010	Sed " "	1	23-Apr-13	13:10		n/a	
JW-EA06-SC21-B-130423	A5698_011	Sed " "	1	23-Apr-13	13:15		n/a	
JW-EA07-SC28-A-130426	A5698_012	Sed " "	1	26-Apr-13	11:45		n/a	
JW-EA07-SC28-B-130426	A5698_013	Sed " "	1	26-Apr-13	11:50		n/a	
JW-EA07-SC28-C-130426	A5698_014	Sed " "	1	26-Apr-13	11:55		n/a	
JW-EA09-SC36-A-130426	A5698_015	Sed B&H	1	26-Apr-13	09:05		n/a	

Preservation Type: Sample Seals: No
Notes/Comments: M1613 17+ Homologs, WHO TBF's (QR)
Samples received intact M1663 & 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Logged in by: Barbara Hager

QC'ed by:
SGS Analytical Perspectives

Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Monday, July 01, 2013 7:34 PM
To: Boehm, Amy (Wilmington)
Subject: Jeld-Wen archives

Hi Amy,
 We need to trigger the analyses of some archive samples. Most of these will need to be sub-sampled and sent to ARI back here in Seattle. Below is a list of samples, the analyses required, and the SDGs they were first logged in under. Will you please subsample and send enough mass to ARI for the TOC and SVOC analyses? They need a bare minimum of about 40g. I understand that it will probably take a day or two for the samples to thaw enough to get them started. Please let me know the charges for subsampling and if you have any questions.

Sample ID	TOC	D/F	PCB Congeners	SVOCs	SDG
JW-SS-207-130429 ✓	x		x		A5463
JW-SS-208-130429 ✓	x		x		A5463
JW-SS-209-130429 ✓	x		x		A5463
JW-SS-211-130429 ✓	x	x	x		A5463
JW-SS-214-130429 ✓	x	x	x		A5463
JW-SS-215-130429 ✓	x	x	x		A5463
JW-SS-216-130429 ✓	x	x	x		A5464
JW-EA02-SC05-D-130423 ✓	x	x		x	A5436
JW-EA04-SC13-D-130423	x	x		x	A5435
JW-EA06-SC21-A-130423	x	x			A5435
JW-EA06-SC21-B-130423	x	x			A5435
JW-EA07-SC28-A-130426	x	x			A5449
JW-EA07-SC28-B-130426	x	x			A5449
JW-EA07-SC28-C-130426	x	x			A5449
JW-EA09-SC36-A-130426	x	x	x		A5448

007
 008
 009
 011
 014
 015
 001
 -012
 009-004
 -000-019
 -020
 1
 2
 3
 1

Cheronne Oreiro
 Analytical Resources, Inc.
 4611 S. 134th Place
 Suite 100
 Tukwila, WA 98168-3240

Hope all is well! Thanks!

Delaney Peterson
 Scientist

ANCHOR QEA, LLC
dpeterson@anchorqea.com
 720 Olive Way, Suite 1900
 Seattle, Washington 98101



AS463

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 2 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:
Lab: SGS Analytical Perspectives		Door site			Archive							
Address: 5500 Business Drive		Proj. No.: 120909-01.01										
City: Wilmington, NC 28405		Sampler: DG, DP										
Phone: 910-350-1903		Shipping Method:										
Fax:		AirBill #:										
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive							
FW-SS-201-130429	4/29/2013	1335	Sed	1	X							AS698
FW-SS-202-130429	4/29/2013	1315	Sed	1	X							
FW-SS-203-130429	4/29/2013	1249	Sed	1	X							
FW-SS-204-130429	4/29/2013	1239	Sed	1	X							
FW-SS-205-130429	4/29/2013	1155	Sed	1	X							
FW-SS-206-130429	4/29/2013	1150	Sed	1	X							
FW-SS-207-130429	4/29/2013	1157	Sed	1	X	1						
FW-SS-208-130429	4/29/2013	1250	Sed	1	X	2						
FW-SS-209-130429	4/29/2013	1300	Sed	1	X	3						
FW-SS-210-130429	4/29/2013	1208	Sed	1	X							
FW-SS-211-130429	4/29/2013	1216	Sed	1	X	4						
FW-SS-212-130429	4/29/2013	1248	Sed	1	X							
FW-SS-213-130429	4/29/2013	1232	Sed	1	X							
FW-SS-214-130429	4/29/2013	1128	Sed	1	X	5						
FW-SS-215-130429	4/29/2013	1118	Sed	1	X	6						

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name: A Boehm	# of Coolers: 3.4	Cooler Temp(s): °C
Company:	Company:	Company: SGS		
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010		
			COC Seals Intact?	Bottles Intact?

no analysis seals



Chain of Custody Record & Laboratory Analysis Request

A5464

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 3 of 3

Lab Contact:		Project: Jeld-Wen Former Nord			Analyses Requested							Notes/ Comments:	
Lab: SGS Analytical Perspectives		Door site			Archive	Dioxin	Furans						
Address: 5500 Business Drive		Proj. No.: 120909-01.01											
City: Wilmington, NC 28405		Sampler: DG, DP											
Phone: 910-350-1903		Shipping Method:											
Fax:		AirBill #:											
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin	Furans						
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X	7						Archive only ↓
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X							
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X							
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X							
JW-EA07-SC27-A-130429		1652	↓	3	X	X							
JW-EA07-SC27-B-130429		1700	↓	3	X	X							
JW-EA07-SC27-C-130429		1710	↓	3	X	X							

ASL 98

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:	lid broken 4/29/2013 [Signature] Trip 2	
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By: [Signature]		
Printed Name:	Printed Name:	Printed Name: A. Beach		
Company:	Company:	Company: SGS	# of Coolers:	Cooler 5.7
Date/Time:	Date/Time:	Date/Time: 5/1/2013 1010	COC Seals Intact?	Bottles Intact? Temp(s): 0 C

no antistatic seals



CHAIN OF CUSTODY

A5690

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 SGS ANALYTICAL PERSPECTIVES
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CLIENT: <u>Anchor OEA</u>						SGS Reference #: <u>A5436</u>				PAGE <u>4</u>			
CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(202) 903-3376</u>						# CONTAINERS SAMPLE TYPE PRESERVATIVES USED ANALYSIS REQUIRED <u>Dioxin/Furans</u> <u>Archive</u>				OF <u>4</u>			
PROJECT: <u>Jeld-Wen</u> SITE / PWSID / WBS #:													
REPORTS TO:													
EMAIL:													
INVOICE TO: QUOTE # P.O. NUMBER													
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	REMARKS				
<u>11</u>	<u>JW-EA02-SC05-C-130423</u>	<u>4/23/13</u>	<u>1520</u>	<u>Sed</u>	<u>2</u>	<u>G</u>	<u>X</u>	<u>X</u>					
<u>12</u>	<u>JW-EA02-SC05-D-130423</u>	<u>↓</u>	<u>1525</u>	<u>↓</u>	<u>1</u>	<u>↓</u>		<u>X</u>					
<u>13</u>	<u>JW-EA02-SC05-E-130423</u>	<u>↓</u>	<u>1524</u>	<u>↓</u>	<u>1</u>	<u>↓</u>		<u>X</u>					
<u>4/24/13 DO</u>													
<u>14</u>	<u>JW-EA02-SC05-B-130423</u>	<u>4/23/13</u>	<u>1517</u>	<u>sed</u>			<u>X</u>		<u>not on COC</u>				
COLLECTED/RELINQUISHED BY: (1) <u>[Signature]</u>		DATE <u>4/24/13</u>	TIME <u>1230</u>	RECEIVED BY:		REPORT LEVEL: <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard			REQUESTED TURNAROUND TIME:				
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES: State of Origin: _____ <input type="checkbox"/> Trust Fund			<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____				
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:							
Received For Laboratory By: <u>Barbara Hays</u>		Date <u>4/25/13</u>	Time <u>1000</u>	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:			Notes:				
				Sample Receipt Temp: <u>C.F., 5.9</u>		Shipping Ticket No:							



CHAIN OF CUSTODY

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SGS ANALYTICAL PERSPECTIVES

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A5698

CLIENT: Anchor OEA					SGS Reference #: A5135												PAGE 1						
CONTACT: Delaney Peterson					PHONE NO: (266) 903.3396												OF 4						
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:																		
REPORTS TO:					CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	P&B Containers	Dioxin/Furans	Archive												
EMAIL: labdata@anchoragea.com												C= COMP	G= GRAB										
INVOICE TO:																							
					QUOTE #																		
					P.O. NUMBER																		
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX														REMARKS					
1	JW-EA04-SC13-A-130423	4/23/13	1035	Seeds	2	G		X	X														
2	JW-EA04-SC13-B-130423		1020		2			X	X														
3	JW-EA04-SC13-C-130423		1040		2			X	X														
4	JW-EA04-SC13-D-130423		1050		1				X	9													
5	JW-EA04-SC13-E-130423		1115		1				X														
6	JW-EA04-SC13-F-130423		1055		1				X														
7	JW-EA04-SC13-G-130423		1120		1				X														
8	JW-EA04-SC13-H-130423		1059		1				X														
9	JW-EA04-SC13-I-130423		1125		1				X														
10	JW-EA04-SC23-A-130423	↓	1145	↓	2	↓		X	X														
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:													
<i>[Signature]</i>		4/24/13	1230				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV			<input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard													
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund													
							<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <i>Custom Equis</i>			Other: _____													
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:																
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT			Shipping Carrier:			Notes:													
<i>[Signature]</i>		4/25/13	1000	Sample Receipt Temp: <u>C. 5.7 S. 9</u>			Shipping Ticket No:																



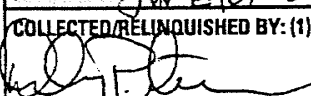


CHAIN OF CUSTODY

AS693

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SGS ANALYTICAL PERSPECTIVES
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CLIENT: Anchor GEA					SGS Reference #: AS435												PAGE <u>2</u>				
CONTACT: Delaney Peterson					PHONE NO: (261) 903-3396		# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED												OF <u>4</u>
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:				C= COMP	G= GRAB	ANALYSIS REQUIRED										
REPORTS TO:					QUOTE #		Dioxin/Furans Archive														
EMAIL:					P.O. NUMBER																
INVOICE TO:																					
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX																	
11	JW-EA06-SC23-B-130423	4/23/13	1150	Seds	2	G	X	X													
12	JW-EA06-SC23-C-130423		1200		2		X	X													
13	JW-EA06-SC23-D-130423		1210		1			X													
14	JW-EA06-SC23-E-130423		1215		1			X													
15	JW-EA06-SC23-F-130423		1220		1			X													
16	JW-EA06-SC23-G-130423		1225		1			X													
17	JW-EA06-SC23-H-130423		1230		1			X													
18	JW-EA06-SC23-I-130423		1235		1			X													
19	JW-EA06-SC21-A-130423		1310		1			X		10											
20	JW-EA06-SC21-B-130423		1315		1			X		11											
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:											
<i>[Signature]</i>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard															
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES: State of Origin: _____ <input type="checkbox"/> Trust Fund															
						<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____															
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:															
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:				Notes:											
<i>Barbara Hayes</i>		4/27/13	1000			Sample Receipt Temp: <u>5.7, 5.9</u>															
						Shipping Ticket No:															

A5698

CLIENT: Anchor OEA					SGS Reference #:										PAGE <u>3</u>				
CONTACT: D. Peterson		PHONE NO: 204 287-9130			# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											OF <u>6</u>	
PROJECT: Jeld Wen		SITE / PWSID / WBS #:						C= COMP	ANALYSIS REQUIRED										
REPORTS TO:										G= GRAB									
EMAIL: labdata@anchorqea.com																			
INVOICE TO:					QUOTE #														
					P.O. NUMBER														
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX													REMARKS	
1	JW-EA07-SC28-A-130426		4-26-13	1145	Sed	1		X	12										
2	JW-EA07-SC28-B-130426		4-26-13	1150	Sed	1		X	13										
3	JW-EA07-SC28-C-130426		4-26-13	1155	Sed	1		X	14										
4	JW-EA07-SC28-D-130426		4-26-13	1200	Sed	1		X											
5	JW-EA07-SC28-E-130426		4-26-13	1205	Sed	1		X											
6	JW-EA07-SC28-F-130426		4-26-13	1210	Sed	1		X											
7	JW-EA07-SC28-G-130426		4-26-13	1215	Sed	1		X											
8	JW-EA07-SC28-H-130426		4-26-13	1220	Sed	1		X											
9	JW-EA07-SC28-I-130426		4-26-13	1225	Sed	1		X											
10	JW-EA07-SC28-J-130426		4-26-13	1230	Sed	1		X											
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:			REQUESTED TURNAROUND TIME:									
		4/24/13	0900				<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard												
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund									
							<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____												
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:												
							* Broken lid												
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input checked="" type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>			Shipping Carrier:			Notes:									
		4/25/13	0945	Sample Receipt Temp: c 39.2.5															



CHAIN OF CUSTODY

SGS ANALYTICAL PERSPECTIVES
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A5698

AS448

CLIENT: Anchor QEA					SGS Reference #:										PAGE <u>1</u>							
CONTACT: Delaney Peterson					PHONE NO: (206) 287-9130										OF <u>6</u>							
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:																	
REPORTS TO:																						
EMAIL: labdata@anchoragea.com																						
INVOICE TO:					QUOTE #																	
					P.O. NUMBER																	
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	PRESERVATIVES USED ANALYSIS REQUIRED											REMARKS				
1	JW-EA09-SC36-A-130426	4/26/13	9:05	SED				1	X	15	Archive D/F congeners											
2	JW-EA09-SC36-B-130426	4/26/13	9:10	SED				1	X													
3	JW-EA09-SC36-C-130426	4/26/13	9:15	SED				1	X													
4	JW-EA09-SC36-D-130426	4/26/13	9:20	SED				1	X													
5	JW-EA09-SC36-E-130426	4/26/13	9:25	SED				1	X													
6	JW-EA09-SC36-F-130426	4/26/13	9:30	SED				1	X													
7	JW-EA09-SC36-G-130426	4/26/13	9:35	SED				1	X													
8	JW-EA09-SC36-H-130426	4/26/13	9:40	SED				1	X													
9	JW-EA09-SC36-I-130426	4/26/13	9:45	SED				1	X													
10	JW-EA09-SC36-J-130426	4/26/13	9:50	SED	1	X																
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:			REPORT LEVEL:					REQUESTED TURNAROUND TIME:										
<i>[Signature]</i>		4/26/13	0900	_____			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard					<input type="checkbox"/> Trust Fund										
Relinquished By: (2)		Date	Time	Received By:			SPECIAL DELIVERABLES:					State of Origin: _____										
_____		_____	_____	_____			<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____					_____										
Relinquished By: (3)		Date	Time	Received By:			SPECIAL INSTRUCTIONS:															
_____		_____	_____	_____			_____															
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input checked="" type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>			Shipping Carrier:					Notes:										
<i>[Signature]</i>		4/26/13	0940	Sample Receipt Temp: C 3.9, 2.5			_____					_____										
							Shipping Ticket No:															

SGS North America Inc.

Sample Receipt Checklist (SRC)Client: AnchorWork Order No.: A5463

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 3.4
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >8mm

Notes:

Thermometer ID#: Login1-D

Comments:

Inspected and Logged in by: BAHDate: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

MI_11.7

SGS North America Inc.

Sample Receipt Checklist (SRC)Client: Anchor Work Order No.: A5464

- Notes: _____

1. Shipped
 Hand Delivered
 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
 3. Custody Tape on Container
 No Custody Tape
 4. Samples Intact
 Samples Broken / Leaking
 5. Chilled on Receipt Actual Temp.(s) in °C: 3.4 Thermometer ID#: Login1-D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
 7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
 8. Received Within Holding Time
 Not Received Within Holding Time
 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: Lid Cracked on sample JW-SS-216-130429Inspected and Logged in by: BAH
Date: Wed-5/1/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5436

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 5.7, 5.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Thermometer ID#: Login1-D

Comments: _____

Inspected and Logged in by: BAH
 Date: Thu-4/25/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5435

- | | |
|---|--|
| <p>1. <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered</p> <p>2. <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms</p> <p>3. <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape</p> <p>4. <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking</p> <p>5. <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>5.7, 5.9°</u> Thermometer ID#: <u>Login1-D</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present</p> <p>6. <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted</p> <p>7. <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes)</p> <p>8. <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time</p> <p>9. <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies*</p> <p>10. <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm</p> | <p>Notes: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> |
|---|--|

Comments: _____

Inspected and Logged in by: BAH
Date: Thu-4/25/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5449

- | | | |
|-----|--|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____

_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____

_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____

_____ |

Comments: Lid cracked on bottle IDs JW-EA07-SC28-A-130426 and JW-SC212-E-130426

Inspected and Logged in by: BAH
 Date: Tue-4/30/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor Work Order No.: A5448

- | | |
|--|----------------------------------|
| 1. <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____

_____ |
| 4. <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____

_____ |
| 5. <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.9°</u> Thermometer ID#: <u>Login1-D</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | _____

_____ |
| 6. <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____

_____ |
| 7. <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

_____ |
| 8. <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____

_____ |
| 9. <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____

_____ |

Comments: Lid cracked on bottle ID JW-EA10-SC42-B-130426

Inspected and Logged in by: BAH
Date: Tue-4/30/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.7



Project Initiation Form

Project Number: A5698Initiation Date: 09-Jul-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1668A & 1613TAT: 21 daysProject Manager: Amy

Special Instructions

1613 & 1668a w/ OPR
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

Reporting Instructions

M1613
17 + homologs, WHO TEFs
M1668A
209 PCBs
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

PM Initials: dmccall Date: 09-Jul-2013

TRANSFER: MK 7/17/13 64 of 1039

RECEIVED: MK 18 July 2013



1613 PCDD/F

Solids

Project #		Batch #		Extract Init/Date: <u>MN 7-10-13</u>			ASECS Init/Date: <u>07/16/13</u> Transfer Init/Date: <u>MK 7/17/13</u>	
AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td) <u>20ml</u>	ASECS #	Observations
				Initials	#			
A5698_11123_001	JW-SS-207-130429	11.58	3	VS	3	-	3	dark brown, wet mud
A5698_11123_002	JW-SS-208-130429	11.07	4	VS	21	-	4	see 001
A5698_11123_003	JW-SS-209-130429	11.49	5	VS	4	-	5	see 001
A5698_11123_004	JW-SS-211-130429	10.65	6	VS	3	or	6	see 001
A5698_11123_005	JW-SS-214-130429	10.51	7	VS	1	or	7	see 001
A5698_11123_006	JW-SS-215-130429	10.29	8	VS	4	or	8	see 001
A5698_11123_007	JW-SS-216-130429	11.61	9	VS	3	or	16	dark brown, gritty, wet mud
A5698_11123_008	JW-EA02-SC05-D-130423	10.46	11	VS	1	or	15	see 007
A5698_11123_009	JW-EA04-SC13-D-130423	11.89	12	VS	3	or	14	see 007
A5698_11123_010	JW-EA06-SC21-A-130423	11.83	13	VS	4	or	13	see 007
A5698_11123_011	JW-EA06-SC21-B-130423	10.22	14	VS	1	or	12	dark brown, semi dry mud
A5698_11123_012	JW-EA07-SC28-A-130426	11.02	15	VS	3	or	11	see 007 011 ^{EE MK 7/16/13}

Special Instructions	7-11-13	Cycle Time	Supply IDs
1613 & 1668a w/ OPR Samples 001, 002, 003 --PCB only samples 004, 005, 006, 007, 015 -D/F & PCB Samples 008-014 -- D/F only	Her	Start 6:00pm Stop 10:30am	Toluene <u>DI690</u> Acid Silica <u>07012013</u> CH ₂ Cl ₂ <u>DF716</u> Base Silica <u>026192013</u> Sand <u>NIA</u> HydroMatrix <u>*06102013</u> Florisol <u>07162013</u> Tetradecane <u>04112013</u>
	To	Start 5:00pm Stop 10:30am	Hexane <u>DI540</u> Na ₂ SO ₄ H ₂ SO ₄ <u>05312013</u> Silica <u>06152013</u> K-Silicate <u>07122013</u> AgNO ₃

*EE or
7/16/13

TRANSFER: MK 7/17/13 65 of 1039

RECEIVED: _____



1613 PCDD/F

Solids

Project #		Batch #		Extract Init/Date:		ASECS Init/Date:		Transfer Init/Date:	
AP Sample ID	Client Sample ID	Extract WT (g)	SDS #	RV		(Td)	ASECS #	Observations	
				Initials	#				
A5698_11123_013	JW-EA07-SC28-B-130426	11.04	16	VS	4	or	10	see 011	
A5698_11123_014	JW-EA07-SC28-C-130426	10.41	17	VS	1	or	9	see 007	
A5698_11123_015	JW-EA09-SC36-A-130426	11.16	10	VS	3	or	1	see 007	
MB1_11123	Method Blank A5698	10.00	1	VS	1	or	1	Hydro matrix 06102013	
OPR1_11123	0_11123_OPR001	10.00	2	VS	4	or	2	Hydro matrix 06102013	
				VS	7-11-13	7/11/13			

Special Instructions

Cycle Time

Supply IDs

1613 & 1668a w/ OPR
 Samples 001, 002, 003 --PCB only
 samples 004, 005, 006, 007, 015 -D/F & PCB
 Samples 008-014 -- D/F only

He
 Start 6:00 pm
 Stop 10:30 am
 Ta
 Start 5:00 pm
 Stop 10:30 am

Toluene	<u>051690</u>	Acid Silica	<u>07017013</u>
CH ₂ CL ₂	<u>051716</u>	Base Silica	<u>06192013</u>
Sand	<u>N/A</u>	HydroMatrix	<u>06102013</u>
Florisil	<u>07162013</u>	Tetradecane	<u>04112013</u>
Hexane	<u>051540</u>	Na ₂ SO ₄ H ₂ SO ₄	<u>05312013</u>
Silica	<u>06152013</u>	AgNO ₃ K Silicate	<u>0722013</u>

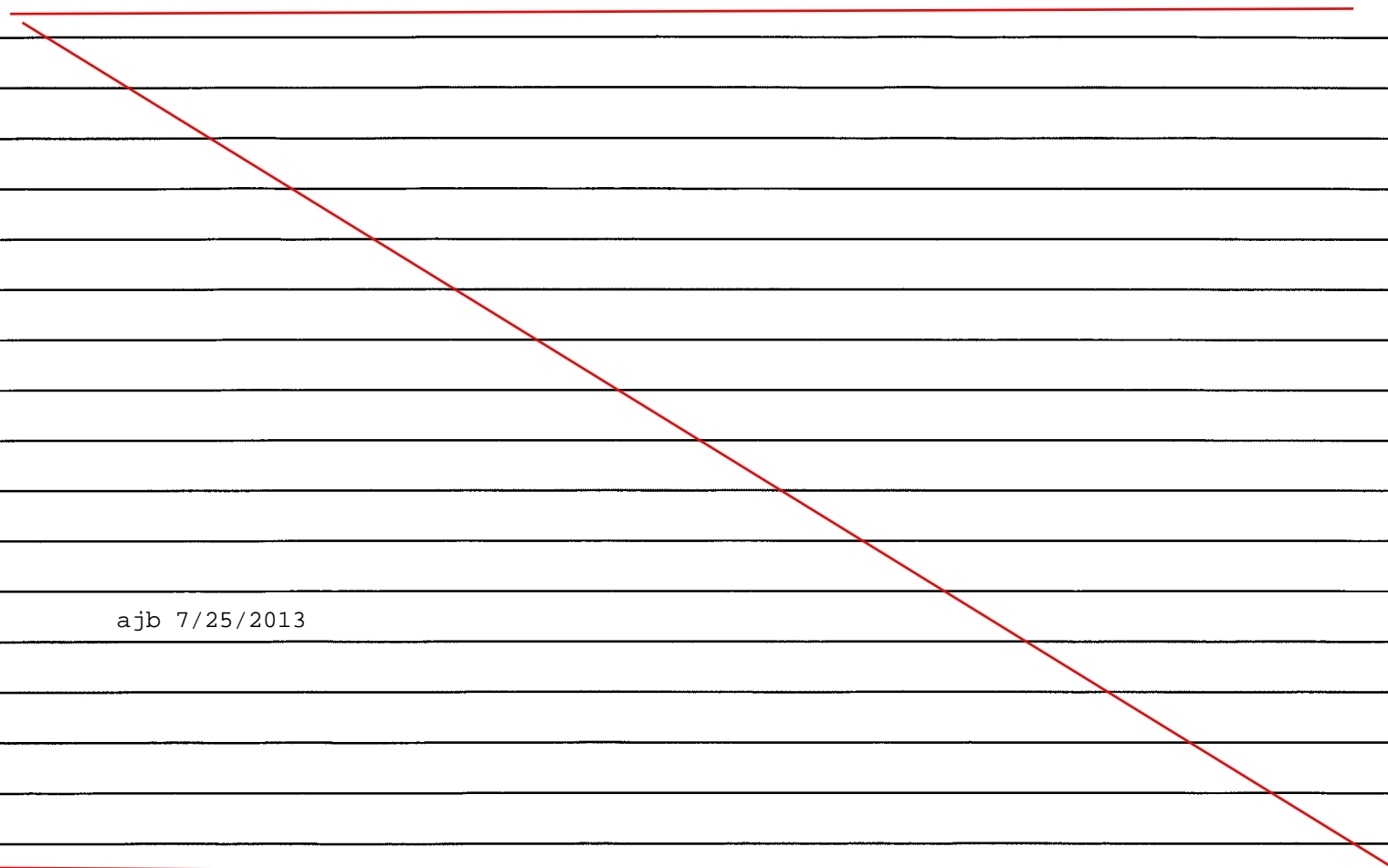


1613 PCDD/F

Solid

Project # A5698 Batch # 11123

Inter-Department Communication Sheet



ajb 7/25/2013

Special Instructions

1613 & 1668a w/ OPR
Samples 001, 002, 003 --PCB only
samples 004, 005, 006, 007, 015 -D/F & PCB
Samples 008-014 -- D/F only

% Solids

ANALYTICAL PERSPECTIVES

Project: AS698Chemist: mm1Batch #: 11123Date: 7-10-13**Procedure:**

Tare Balance.

Add boat and weigh. Record "Boat Wt."

Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).

Dry in oven overnight @ 107° C.

Tare Balance

Return dish to toplayer and record "Residue + Boat Wt."

AP Sample ID	Boat Wt.	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	Comments
001	1.29	5.07	mm1	3.20	mm1	16.94 ^{19.79} EEMM17-113
002	1.28	5.02	mm1	3.13	mm1	19.79 20.22
003	1.30	4.90	mm1	3.32	mm1	17.82
004	1.29	5.00	mm1	3.48	mm1	16.94
005	1.31	5.44	mm1	3.46	mm1	19.21
006	1.29	5.28	mm1	3.53	mm1	17.81
007	1.31	5.78	mm1	4.57	mm1	13.71
008	1.35	4.20	mm1	2.82	mm1	19.89
009	1.33	5.79	mm1	4.07	mm1	16.28
010	1.34	6.02	mm1	4.15	mm1	16.65
011	1.34	5.32	mm1	3.94	mm1	15.31
012	1.32	4.74	mm1	3.58	mm1	15.13
013	1.33	5.92	mm1	5.11	mm1	12.14
014	1.34	5.09	mm1	4.32	mm1	12.58
015	1.34	5.44	mm1	4.28	mm1	13.95
			7-10-13		7-11-13	



Wt. Volume Results for Extraction Batch 11123


Batch Project #'s: A5698 Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5698_001	1.29	5.07	3.2	50.53%	50.53%			19.79	11.58	5.85
A5698_002	1.28	5.02	3.13	49.47%	49.47%			20.22	11.07	5.48
A5698_003	1.3	4.9	3.32	56.11%	56.11%			17.82	11.49	6.45
A5698_004	1.29	5	3.48	59.03%	59.03%			16.94	10.65	6.29
A5698_004	1.29	5	3.48	59.03%	59.03%			16.94	10.65	6.29
A5698_005	1.31	5.44	3.46	52.06%	52.06%			19.21	10.51	5.47
A5698_005	1.31	5.44	3.46	52.06%	52.06%			19.21	10.51	5.47
A5698_006	1.29	5.28	3.53	56.14%	56.14%			17.81	10.29	5.78
A5698_006	1.29	5.28	3.53	56.14%	56.14%			17.81	10.29	5.78
A5698_007	1.31	5.78	4.57	72.93%	72.93%			13.71	11.61	8.47
A5698_007	1.31	5.78	4.57	72.93%	72.93%			13.71	11.61	8.47
A5698_008	1.35	4.2	2.82	51.58%	51.58%			19.39	10.46	5.4
A5698_008	1.35	4.2	2.82	51.58%	51.58%			19.39	10.46	5.4
A5698_009	1.33	5.79	4.07	61.43%	61.43%			16.28	11.89	7.3
A5698_009	1.33	5.79	4.07	61.43%	61.43%			16.28	11.89	7.3
A5698_010	1.34	6.02	4.15	60.04%	60.04%			16.65	11.83	7.1
A5698_010	1.34	6.02	4.15	60.04%	60.04%			16.65	11.83	7.1
A5698_011	1.34	5.32	3.94	65.33%	65.33%			15.31	10.22	6.68
A5698_011	1.34	5.32	3.94	65.33%	65.33%			15.31	10.22	6.68
A5698_012	1.32	4.74	3.58	66.08%	66.08%			15.13	11.02	7.28
A5698_012	1.32	4.74	3.58	66.08%	66.08%			15.13	11.02	7.28
A5698_013	1.33	5.92	5.11	82.35%	82.35%			12.14	11.04	9.09
A5698_013	1.33	5.92	5.11	82.35%	82.35%			12.14	11.04	9.09
A5698_014	1.34	5.09	4.32	79.47%	79.47%			12.58	10.41	8.27
A5698_014	1.34	5.09	4.32	79.47%	79.47%			12.58	10.41	8.27
A5698_015	1.34	5.44	4.28	71.71%	71.71%			13.95	11.16	8
A5698_015	1.34	5.44	4.28	71.71%	71.71%			13.95	11.16	8

Data entry and calcs for %s, dry wt verified. ajb 7/22/13
% Solid Form

SGS ANALYTICAL PERSPECTIVES		1613 PCDD/F			Solids		
Project # A5698		Batch # 11123		Spike Profile PCDD/Fs			
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3	20 uL				20 uL	Td
Spiker Initials/Date: EE MA 7/10/13		MA 7/12/13		MA 7/12/13		MA 7/17/13	
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 20 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials	Amount: 200 uL Observer Initials
A5698_11123_004	JW-SS-211-130429	a	-	-	nnl	nnl	MK
A5698_11123_005	JW-SS-214-130429	a	-	-	nnl	nnl	MK
A5698_11123_006	JW-SS-215-130429	a	-	-	nnl	nnl	MK
A5698_11123_007	JW-SS-216-130429	a	-	-	nnl	nnl	MK
A5698_11123_008	JW-EA02-SC05-D-130423	a	-	-	nnl	nnl	MK
A5698_11123_009	JW-EA04-SC13-D-130423	a	-	-	nnl	nnl	MK
A5698_11123_010	JW-EA06-SC21-A-130423	a	-	-	nnl	nnl	MK
A5698_11123_011	JW-EA06-SC21-B-130423	a	-	-	nnl	nnl	MK
A5698_11123_012	JW-EA07-SC28-A-130426	a	-	-	nnl	nnl	MK
A5698_11123_013	JW-EA07-SC28-B-130426	a	-	-	nnl	nnl	MK
A5698_11123_014	JW-EA07-SC28-C-130426	a	-	-	nnl	nnl	MK
A5698_11123_015	JW-EA09-SC36-A-130426	a	-	-	nnl	nnl	MK
		Standard Information			7-12-13	7-12-13	7/17/13
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		03292013			1101201201	1101201213	11012012A2
SIL #		13-14-3			13-22-3	13-22-3	13-22-4
Concentration		10	1	10	4	10	10
Units		pg/μL	pg/μL	pg/μL	pg/μL	pg/μL	pg/μL
Exp. Date		3-29-14			5-7-14	5-7-14	5/7/14
Spike amount (μL)		200	200	20	200	200	200

MA 7/10/13

		1613 PCDD/F			Solids		
Project #		A5698		Batch # 11123			
SPIKE PROFILE PCDD/Fs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCDD/F	ES	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	AS/CS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Ax BCS3	0.2 ng	200 uL	1 pg/uL	1	20 uL	Td
	JS	2 ng	200 uL	10 pg/uL	1	20 uL	Td
	Td Batch CS3			20 uL			20 uL
Spike Initials/Date:		MA 7/10/13	MA 7/10/13	MA 7/10/13	MA 7/12/13	MA 7/12/13	MA 7/17/13
AP Sample ID	Client Sample ID	PCDD/F ES	PCDD/F Ax-A	PCDD/F Ax-B	PCDD/F CS	PCDD/F AS	PCDD/F JS
		Amount: 200 uL	Amount: 200 uL	Amount: 20 uL	Amount: 200 uL	Amount: 200 uL	Amount: 200 uL
		Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials	Observer Initials
MB1_11123	Method Blank A5698	aw	-	-	mnl	mnl	MK
OPR1_11123	0_11123_OPR001	aw	aw	aw	mnl	mnl	MK
		7-10-13	7-10-13	7-10-13	7-12-13	7-12-13	7/17/13
Standard Information							
Std. Type		ES	Ax-A	Ax-B	CS	AS	JS
Spike ID		03292013	11012012 B	-	11012012001	11012012 B	11012012 Ad 2
SIL #		13-14-3	13-17-1	13-13-1	13-22-3	13-22-3	13-22-4
Concentration		10	1	10	4	10	10
Units		pg/uL	pg/uL	pg/uL	pg/uL	pg/uL	pg/uL
Exp. Date		3-29-14	4-10-14	3-27-15	5-7-14	5-7-14	5/7/14
Spike amount (uL)		200	200	20	200	200	200

SGS ANALYTICAL PERSPECTIVES		1668A		Solids			
Project #		A5698		Batch #		11123	
SPIKE PROFILE PCBs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
					ER MA 7/17/13		
					7/17/13 MA 3116		
		Spiker Initials/Date: MA 7/10/13	MA 7/10/13	MA 7/12/13	MA 3116		
AP Sample ID	Client Sample ID	PCB ES	PCB AX 209	PCB CS	PCB JS	Amount:	Observer Initials
		Amount: 20-1	Amount: 20-1	Amount: 20-1	Amount: 10-1	Amount:	Observer Initials
A5698_11123_001	JW-SS-207-130429	a	—	mn1	MK		
A5698_11123_002	JW-SS-208-130429	a	—	mn1	MK		
A5698_11123_003	JW-SS-209-130429	a	—	mn1	MK		
A5698_11123_004	JW-SS-211-130429	a	—	mn1	MK		
A5698_11123_005	JW-SS-214-130429	a	—	mn1	MK		
A5698_11123_006	JW-SS-215-130429	a	—	mn1	MK		
A5698_11123_007	JW-SS-216-130429	a	—	mn1	MK		
A5698_11123_015	JW-EA09-SC36-A-130426	a	—	mn1	MK		
MB1_11123	Method Blank A5698	a	—	mn1	MK		
OPR1_11123	0_11123_OPR001	a	a	mn1	MK		
		7/10/13	7/10/13	7-12-13	7/17/13		
Standard Information							
Std. Type		PCB ES	AX 209	PCB CS		PCB JS	
Spike ID		07132012F	011020124	07132012F		07122020	
SIL #		13-15-2	12-3-1	13-15-1		12-106-3	
Concentration		100	50	100		200	
Units		pg/μL	pg/μL	pg/μL		pg/μL	
Exp. Date		3/29/14	1/10/14	3-29-14		12/20/13	
Spike amount (μL)		20	20	20		10	



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time:
AP Project name: A5698
Requested TAT: 21 days
Projected due date: 24-Jul-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#: JW → Jeld-Wen
QAAP/Contract #:
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-SS-207-130429	A5698_001	Sed <i>PLB</i>	1	29-Apr-13	11:57		n/a	
JW-SS-208-130429	A5698_002	Sed <i>PUB</i>	1	29-Apr-13	12:50		n/a	
JW-SS-209-130429	A5698_003	Sed <i>PLB</i>	1	29-Apr-13	13:00		n/a	
JW-SS-211-130429	A5698_004	Sed <i>BTL</i>	1	29-Apr-13	12:16		n/a	
JW-SS-214-130429	A5698_005	Sed " "	1	29-Apr-13	11:28		n/a	
JW-SS-215-130429	A5698_006	Sed " "	1	29-Apr-13	11:18		n/a	
JW-SS-216-130429	A5698_007	Sed " "	1	29-Apr-13	12:20		n/a	
JW-EA02-SC05-D-130423	A5698_008	Sed <i>D/E</i>	1	23-Apr-13	15:20		n/a	
JW-EA04-SC13-D-130423	A5698_009	Sed <i>D/E</i>	1	23-Apr-13	10:50		n/a	
JW-EA06-SC21-A-130423	A5698_010	Sed " "	1	23-Apr-13	13:10		n/a	
JW-EA06-SC21-B-130423	A5698_011	Sed " "	1	23-Apr-13	13:15		n/a	
JW-EA07-SC28-A-130426	A5698_012	Sed " "	1	26-Apr-13	11:45		n/a	
JW-EA07-SC28-B-130426	A5698_013	Sed " "	1	26-Apr-13	11:50		n/a	
JW-EA07-SC28-C-130426	A5698_014	Sed " "	1	26-Apr-13	11:55		n/a	
JW-EA09-SC36-A-130426	A5698_015	Sed <i>BTL</i>	1	26-Apr-13	09:05		n/a	

Preservation Type: Sample Seals: No

Notes/Comments:
 M1613 17+ Homologs, WHO TBF's *(OPR)*
 Samples received intact M1608 & 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Logged in by: Barbara Hager

QC'ed by: *[Signature]*
 SGS Analytical Perspectives



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Maryland
New Jersey
North Carolina

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AVI

CLIENT: Anchor QEA					SGS Reference #:		page <u>1</u> of <u>2</u>															
CONTACT: Delaney Peterson PHONE NO: 206.287.9130					# C O N T A I N E R S	Preserv.											REMARKS					
PROJECT: SITE/PWSID#:						Used	n/a	n/a														
REPORTS TO: dpeterson@anchorqea.com						SAMPLE TYPE																
INVOICE TO: QUOTE #: P.O. NUMBER:						C = COMP																
					G = GRAB																	
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX		TOC	SVOC															
	JW-SS-207-130429	4/29/2013	1157	Sediment	1	GRAB	☒															
	JW-SS-208-130429	4/29/2013	1250	Sediment	1	GRAB	☒															
	JW-SS-209-130429	4/29/2013	1300	Sediment	1	GRAB	☒															
	JW-SS-211-130429	4/29/2013	1216	Sediment	1	GRAB	☒															
	JW-SS-214-130429	4/29/2013	1128	Sediment	1	GRAB	☒															
	JW-SS-215-130429	4/29/2013	1118	Sediment	1	GRAB	☒															
	JW-SS-216-130429	4/29/2013	1220	Sediment	1	GRAB	☒															
	JW-EA02-SC05-D-130423	4/23/2013	1509	Sediment	1	GRAB	☒	☒														
	JW-EA04-SC13-D-130423	4/23/2013	1050	Sediment	1	GRAB	☒	☒														
	JW-EA06-SC21-A-130423	4/23/2013	1310	Sediment		GRAB	☒															
Collected/Relinquished By: (1) <i>Bartcus Hager</i>		Date 8-Jul-13	Time 1400	Received By:		Shipping Carrier:				Samples Received Cold? YES NO												
Relinquished By: (2)		Date	Time	Received By:		Shipping Ticket No:				Temperature °C: _____												
Relinquished By: (3)		Date	Time	Received By:		Special Deliverable Requirements:				Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT												
Relinquished By: (4)		Date	Time	Received For Laboratory By:		Requested Turnaround Time and-or Special Instructions:																
						Ref:	Date: 08Jul13	SHIPPING:	49.32													
						Dep:	Wgt: 22.80 LBS	SPECIAL:	3.95													
								HANDLING:	0.00													
							DV: 0.00	TOTAL:	53.27													

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
 3180 Peger Road Fairbanks, AK 99701 Tel: (907) 474-8656 Fax: (907) 474-9685
 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

Svcs: **PRIORITY OVERNIGHT**
TRCK: **5379 2511 8482**



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New Jersey
North Carolina

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ALI

Form containing client information (Anchor QEA), contact details (Delaney Peterson), project information, and a table of sample collection records with columns for Lab No., Sample Identification, Date, Time, Matrix, and Remarks.

Form containing collection and relinquishment details, including names (Barbara Hoyer), dates (8-Jul-13), times (1400), and shipping information.

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
3180 Peger Road Fairbanks, AK 99701 Tel: (907) 474-8656 Fax: (907) 474-9685
5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

Boehm, Amy (Wilmington)

From: Delaney Peterson [dpeterson@anchorqea.com]
Sent: Monday, July 01, 2013 7:34 PM
To: Boehm, Amy (Wilmington)
Subject: Jeld-Wen archives

Hi Amy,

We need to trigger the analyses of some archive samples. Most of these will need to be sub-sampled and sent to ARI back here in Seattle. Below is a list of samples, the analyses required, and the SDGs they were first logged in under. Will you please subsample and send enough mass to ARI for the TOC and SVOC analyses? They need a bare minimum of about 40g. I understand that it will probably take a day or two for the samples to thaw enough to get them started. Please let me know the charges for subsampling and if you have any questions.

Sample ID	TOC	D/F	PCB Congeners	SVOCs	SDG	
JW-SS-207-130429 ✓	x		x		A5463	007
JW-SS-208-130429 ✓	x		x		A5463	008
JW-SS-209-130429 ✓	x		x		A5463	009
JW-SS-211-130429 ✓	x	x	x		A5463	011
JW-SS-214-130429 ✓	x	x	x		A5463	014
JW-SS-215-130429 ✓	x	x	x		A5463	015
JW-SS-216-130429 ✓	x	x	x		A5464	001
JW-EA02-SC05-D-130423 ✓	x	x		x	A5436	-012
JW-EA04-SC13-D-130423	x	x		x	A5435	009-004
JW-EA06-SC21-A-130423	x	x			A5435	000-019
JW-EA06-SC21-B-130423	x	x			A5435	-020
JW-EA07-SC28-A-130426	x	x			A5449	1
JW-EA07-SC28-B-130426	x	x			A5449	2
JW-EA07-SC28-C-130426	x	x			A5449	3
JW-EA09-SC36-A-130426	x	x	x		A5448	1

Cheronne Oreiro
Analytical Resources, Inc.
4611 S. 134th Place
Suite 100
Tukwila, WA 98168-3240

Hope all is well! Thanks!

Delaney Peterson
Scientist

ANCHOR QEA, LLC
dpeterson@anchorqea.com
720 Olive Way, Suite 1900
Seattle, Washington 98101



AS463

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Chain of Custody Record & Laboratory Analysis Request

Turnaround Requested: Standard

Anchor Contact: Delaney Peterson

Page 2 of 3

Lab Contact:		Project: Jeld-Wen Former Nord		Analyses Requested						Notes/ Comments:									
Lab: SGS Analytical Perspectives		Door site																	
Address: 5500 Business Drive		Proj. No.: 120909-01.01																	
City: Wilmington, NC 28405		Sampler: DG, DP																	
Phone: 910-350-1903		Shipping Method:																	
Fax:		AirBill #:																	
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive														
FW-SS-201-130429	4/29/2013	1335	Sed	1	X														
FW-SS-202-130429	4/29/2013	1315	Sed	1	X														
FW-SS-203-130429	4/29/2013	1249	Sed	1	X														
FW-SS-204-130429	4/29/2013	1239	Sed	1	X														
FW-SS-205-130429	4/29/2013	1155	Sed	1	X														
FW-SS-206-130429	4/29/2013	1150	Sed	1	X														
FW-SS-207-130429	4/29/2013	1157	Sed	1	X	1													
FW-SS-208-130429	4/29/2013	1250	Sed	1	X	2													
FW-SS-209-130429	4/29/2013	1300	Sed	1	X	3													
FW-SS-210-130429	4/29/2013	1208	Sed	1	X														
FW-SS-211-130429	4/29/2013	1216	Sed	1	X	4													
FW-SS-212-130429	4/29/2013	1248	Sed	1	X														
FW-SS-213-130429	4/29/2013	1232	Sed	1	X														
FW-SS-214-130429	4/29/2013	1128	Sed	1	X	5													
FW-SS-215-130429	4/29/2013	1118	Sed	1	X	6													

AS698

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes	
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:		
Received By:	Received By:	Received By:		
Printed Name:	Printed Name:	Printed Name:		
Company:	Company:	Company:		
Date/Time:	Date/Time:	Date/Time:	# of Coolers:	Cooler 3.4
			COC Seals Intact?	Temp(s): 0C
				Bottles Intact?

no analysis seals



Chain of Custody Record & Laboratory Analysis Request

A5404

Anchor QEA
720 Olive Way, Suite 1900
Seattle, Washington 98101
Phone 206.287.9130
Fax 206.287.9131

Turnaround Requested: Standard Anchor Contact: Delaney Peterson

Lab Contact:		Project: Jeld-Wen Former Nord Door site		Analyses Requested										Notes/ Comments:					
Lab: SGS Analytical Perspectives		Proj. No.: 120909-01.01		Archive	Dioxin/Furans														
Address: 5500 Business Drive		Sampler: DG, DP																	
City: Wilmington, NC 28405		Shipping Method:																	
Phone: 910-350-1903		AirBill #:																	
Fax:																			
Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Archive	Dioxin/Furans													
FW-SS-216-130429	4/29/2013	1220	Sed	1	X	X	7											Archive only ↓	
FW-SS-217-130429	4/29/2013	1230	Sed	1	X	X													
FW-SS-218-130429	4/29/2013	1217	Sed	1	X	X													
FW-SS-219-130429	4/29/2013	1227	Sed	1	X	X													
JW-EA07-SC27-A-130429		1652		3	X	X													
JW-EA07-SC27-B-130429		1700		3	X	X													
JW-EA07-SC27-C-130429		1710		3	X	X													

A5498

Relinquished: (Signature)	Relinquished: (Signature)	Relinquished: (Signature)	Special Instructions/Notes Dr lid broken repacked Taps
Printed Name:	Printed Name:	Printed Name:	
Company:	Company:	Company:	
Date/Time:	Date/Time:	Date/Time:	
Received By:	Received By:	Received By:	# of Coolers: Cooler 5.7 Temp(s): v.c Bottles Intact?
Printed Name:	Printed Name:	Printed Name:	
Company:	Company:	Company:	
Date/Time:	Date/Time:	Date/Time:	

m antaly seals



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AS690

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CLIENT: <i>Anchor QEA</i>					SGS Reference #:															
CONTACT: <i>Delaney Peterson</i>			PHONE NO: <i>(202) 903-3376</i>		<i>AS436</i>															
PROJECT: <i>Jeld-Wen</i>			SITE / PWSIO / WBS #:		# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED													
REPORTS TO:								C= COMP G= GRAB	ANALYSIS REQUIRED											
EMAIL:										<i>Dioxin/Furans Archive</i>										
INVOICE TO: QUOTE # P.O. NUMBER																				
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX															
<i>11</i>	<i>JW-EA02-SC05-C-130423</i>		<i>4/23/13</i>	<i>1520</i>	<i>sed</i>	<i>2</i>	<i>G</i>	<i>X</i>	<i>X</i>											
<i>12</i>	<i>JW-EA02-SC05-D-130423</i>		<i>↓</i>	<i>1525</i>	<i>↓</i>	<i>1</i>	<i>↓</i>		<i>X</i>											
<i>13</i>	<i>JW-EA02-SC05-E-130423</i>		<i>↓</i>	<i>1524</i>	<i>↓</i>	<i>1</i>	<i>↓</i>		<i>X</i>											
<i>4/24/13 DO</i>																				
<i>14</i>	<i>JW-EA02-SC105-B-130423</i>		<i>4/23/13</i>	<i>1517</i>	<i>sed</i>			<i>X</i>												<i>not on COC</i>
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:										
<i>[Signature]</i>		<i>4/24/13</i>	<i>1230</i>			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard														
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:				State of Origin: _____ <input type="checkbox"/> Trust Fund										
						<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____														
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:														
Received For Laboratory By:		Date	Time	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:				Notes:										
<i>Barbara Hagg</i>		<i>4/25/13</i>	<i>1000</i>	<i>5.7, 5.9</i>																
				Sample Receipt Temp:		Shipping Ticket No:														



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A5698

CLIENT: <u>Anchor OEA</u> CONTACT: <u>Delaney Peterson</u> PHONE NO: <u>(206) 903. 3396</u> PROJECT: <u>Jeld-Wen</u> SITE / PWSID / WBS #: _____ REPORTS TO: _____ EMAIL: <u>labdata@anchorage.com</u> INVOICE TO: _____ QUOTE # _____ P.O. NUMBER _____					SGS Reference #: <u>A5435</u>		PAGE <u>1</u> OF <u>4</u>														
CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED	ANALYSIS REQUIRED	C= COMP G= GRAB	PEB Organics	Dioxin/Furans	Archive														
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	#	C	PRESERVATIVES USED	ANALYSIS REQUIRED	PEB Organics	Dioxin/Furans	Archive	REMARKS									
1	JW-EA04-SC13-A-130423	4/23/13	1035	Seeds	2	G			X	X											
2	JW-EA04-SC13-B-130423		1020		2				X	X											
3	JW-EA04-SC13-C-130423		1040		2				X	X											
4	JW-EA04-SC13-D-130423		1050		1					X	9										
5	JW-EA04-SC13-E-130423		1115		1					X											
6	JW-EA04-SC13-F-130423		1055		1					X											
7	JW-EA04-SC13-G-130423		1120		1					X											
8	JW-EA04-SC13-H-130423		1059		1					X											
9	JW-EA04-SC13-I-130423		1125		1					X											
10	JW-EA04-SC23-A-130423		1145		2				X	X											
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:			REQUESTED TURNAROUND TIME:												
<u>[Signature]</u>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard															
RELINQUISHED BY: (2)		DATE	TIME	RECEIVED BY:		SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund												
						<input type="checkbox"/> DoD <input checked="" type="checkbox"/> EDD: <u>Custom Equis</u> Other: _____															
RELINQUISHED BY: (3)		DATE	TIME	RECEIVED BY:		SPECIAL INSTRUCTIONS:															
RECEIVED FOR LABORATORY BY:		DATE	TIME	CoC Seal: <u>INTACT</u> BROKEN ABSENT		Shipping Carrier:			Notes:												
<u>[Signature]</u>		4/25/13	1000	Sample Receipt Temp: <u>C. 5.759</u>		Shipping Ticket No:															



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 Wilmington, NC 28405
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A5693

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 OF 4

CLIENT: Anchor PEA					SGS Reference #: A5435														
CONTACT: Delaney Peterson					PHONE NO: (246) 903-3396														
PROJECT: Jeld-Wen					SITE / PWSID / WBS #:														
REPORTS TO:					# CONTAINERS					SAMPLE TYPE C= COMP G= GRAB					PRESERVATIVES USED ANALYSIS REQUIRED <i>Dioxin/Furans</i> <i>Archive</i>				
EMAIL:																			
INVOICE TO: QUOTE # P.O. NUMBER																			
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX													REMARKS		
11	JW-EA06-SC23-B-130423	4/23/13	1150	Seals	2	G	X	X											
12	JW-EA06-SC23-C-130423		1200		2		X	X											
13	JW-EA06-SC23-D-130423		1210		1			X											
14	JW-EA06-SC23-E-130423		1215		1			X											
15	JW-EA06-SC23-F-130423		1220		1			X											
16	JW-EA06-SC23-G-130423		1225		1			X											
17	JW-EA06-SC23-H-130423		1230		1			X											
18	JW-EA06-SC23-I-130423		1235		1			X											
19	JW-EA06-SC21-A-130423		1310		1			X										10	
20	JW-EA06-SC21-B-130423	↓	1315	↓	1	↓		X										11	
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:			REQUESTED TURNAROUND TIME:										
<i>[Signature]</i>		4/24/13	1230			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input checked="" type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input checked="" type="checkbox"/> Standard													
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:			State of Origin: _____										
						<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____			<input type="checkbox"/> Trust Fund										
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:													
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>		Shipping Carrier:			Notes:										
<i>Paulina Hayes</i>		4/25/13	1000	Sample Receipt Temp: 5.7, 5.9		Shipping Ticket No:													

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



CHAIN OF CUSTODY

81 of 1039
 SGS ANALYTICAL PERSPECTIVES
 5500 Business Drive
 Wilmington, NC 28405
 +1 910 350 1903
 WWW.SGS.COM

A5618

CLIENT: Anchor QEA					SGS Reference #:												PAGE <u>3</u>			
CONTACT: D. Peterson		PHONE NO: 204 287-9130															OF <u>6</u>			
PROJECT: Jeld Wen		SITE/PWSID/WBS #:																		
REPORTS TO:					CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											ANALYSIS REQUIRED		
EMAIL: labdata@anchorqea.com								C= COMP	G= GRAB	Archive										
INVOICETO: QUOTE #																				
P.O. NUMBER																				
LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX															REMARKS	
1	JW-EA07-SC28-A-130426	4-26-13	1145	Sed	1		X	12												
2	JW-EA07-SC28-B-130426	4-26-13	1150	Sed	1		X	13												
3	JW-EA07-SC28-C-130426	4-26-13	1155	Sed	1		X	14												
4	JW-EA07-SC28-D-130426	4-26-13	1200	Sed	1		X													
5	JW-EA07-SC28-E-130426	4-26-13	1205	Sed	1		X													
6	JW-EA07-SC28-F-130426	4-26-13	1210	Sed	1		X													
7	JW-EA07-SC28-G-130426	4-26-13	1215	Sed	1		X													
8	JW-EA07-SC28-H-130426	4-26-13	1220	Sed	1		X													
9	JW-EA07-SC28-I-130426	4-26-13	1225	Sed	1		X													
10	JW-EA07-SC28-J-130426	4-26-13	1230	Sed	1		X													
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:				REQUESTED TURNAROUND TIME:										
		4/24/13	0900			<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV <input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard				<input type="checkbox"/> Trust Fund										
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES: State of Origin: _____				<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____ Other: _____										
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS: <input checked="" type="checkbox"/> Break - lid														
Received For Laboratory By:		Date	Time	CoC Seal: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT		Shipping Carrier:				Notes:										
		4/24/13	0945	Sample Receipt Temp: C 39.2.5		Shipping Ticket No:														



CHAIN OF CUSTODY

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AS698

AS448

CLIENT: Anchor QEA					-SGS Reference #:											PAGE <u>1</u>					
CONTACT: Delaney Peterson		PHONE NO: (206) 287-9130			# CONTAINERS	SAMPLE TYPE	PRESERVATIVES USED											OF <u>6</u>			
PROJECT: Jeld-Wen		SITE / PWSID / WBS #:						C= COMP G= GRAB	ANALYSIS REQUIRED												
REPORTS TO:										Archive	DIF comments										
EMAIL: labdata@anchoragea.com																					
INVOICE TO:		QUOTE #																			
		P.O. NUMBER																			
LAB NO.	SAMPLE IDENTIFICATION		DATE	TIME	MATRIX														REMARKS		
1	JW-EA09-SC36-A-130426		4/26/13	9:05	SED	1		X	15												
2	JW-EA09-SC36-B-130426		4/26/13	9:10	SED	1		X													
3	JW-EA09-SC36-C-130426		4/26/13	9:15	SED	1		X													
4	JW-EA09-SC36-D-130426		4/26/13	9:20	SED	1		X													
5	JW-EA09-SC36-E-130426		4/26/13	9:25	SED	1		X													
6	JW-EA09-SC36-F-130426		4/26/13	9:30	SED	1		X													
7	JW-EA09-SC36-G-130426		4/26/13	9:35	SED	1		X													
8	JW-EA09-SC36-H-130426		4/26/13	9:40	SED	1		X													
9	JW-EA09-SC36-I-130426		4/26/13	9:45	SED	1		X													
10	JW-EA09-SC36-J-130426		4/26/13	9:50	SED	1		X													
COLLECTED/RELINQUISHED BY: (1)		DATE	TIME	RECEIVED BY:		REPORT LEVEL:			REQUESTED TURNAROUND TIME:												
<i>[Signature]</i>		4/26/13	0900	—		<input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level IV			<input type="checkbox"/> Rush: _____ <input type="checkbox"/> Standard												
Relinquished By: (2)		Date	Time	Received By:		SPECIAL DELIVERABLES:			State of Origin: _____ <input type="checkbox"/> Trust Fund												
_____		_____	_____	_____		<input type="checkbox"/> DoD <input type="checkbox"/> EDD: _____			Other: _____												
Relinquished By: (3)		Date	Time	Received By:		SPECIAL INSTRUCTIONS:															
_____		_____	_____	_____																	
Received For Laboratory By:		Date	Time	CoC Seal: INTACT <input checked="" type="checkbox"/> BROKEN <input type="checkbox"/> ABSENT <input type="checkbox"/>		Shipping Carrier:			Notes:												
<i>[Signature]</i>		4/26/13	0940	Sample Receipt Temp: 3.9, 2.5		_____			_____												
						Shipping Ticket No:															

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5463

1. Shipped
 Hand Delivered

Notes: _____

2. COC Present on Receipt
 No COC
 Additional Transmittal Forms

3. Custody Tape on Container
 No Custody Tape

4. Samples Intact
 Samples Broken / Leaking

5. Chilled on Receipt Actual Temp.(s) in °C: 3.4
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present

Thermometer ID#: Login1-D

6. Sufficient Sample Submitted
 Insufficient Sample Submitted

7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)

8. Received Within Holding Time
 Not Received Within Holding Time

9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*

10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: _____

Inspected and Logged in by: BAH

Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5464

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3.4
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid Cracked on sample JW-SS-216-130429

Inspected and Logged in by: BAH

Date: Wed-5/1/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5436

1. Shipped
 Hand Delivered

Notes: _____

2. COC Present on Receipt
 No COC
 Additional Transmittal Forms

3. Custody Tape on Container
 No Custody Tape

4. Samples Intact
 Samples Broken / Leaking

5. Chilled on Receipt Actual Temp.(s) in °C: 5.7, 5.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present

Thermometer ID#: Login1-D

6. Sufficient Sample Submitted
 Insufficient Sample Submitted

7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)

8. Received Within Holding Time
 Not Received Within Holding Time

9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*

10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Comments: _____

Inspected and Logged in by: BAH

Date: Thu-4/25/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5435

- | | | | |
|-----|---|--|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | | Notes: _____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | | _____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | | _____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | | _____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>5.7, 5.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | | Thermometer ID#: <u>Login1-D</u>
_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | | _____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | | _____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | | _____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | | _____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | | _____ |

Comments: _____

Inspected and Logged in by: BAH

Date: Thu-4/25/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Anchor**

Work Order No.: **A5449**

1. Shipped
 Hand Delivered
2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
3. Custody Tape on Container
 No Custody Tape
4. Samples Intact
 Samples Broken / Leaking
5. Chilled on Receipt Actual Temp.(s) in °C: 3.9°
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
6. Sufficient Sample Submitted
 Insufficient Sample Submitted
7. Chlorine absent
 HNO3 < 2
 HCL < 2
 Additional Preservatives verified (see notes)
8. Received Within Holding Time
 Not Received Within Holding Time
9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Comments: Lid cracked on bottle IDs JW-EA07-SC28-A-130426 and JW-SC212-E-130426

Inspected and Logged in by: BAH
Date: Tue-4/30/13 00:00

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor

Work Order No.: A5448

- | | | |
|-----|--|---|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input checked="" type="checkbox"/> Custody Tape on Container
<input type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: <u>3.9°</u>
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input type="checkbox"/> Temperature Blank Present | Thermometer ID#: <u>Login1-D</u>

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input type="checkbox"/> Additional Preservatives verified (see notes) | _____

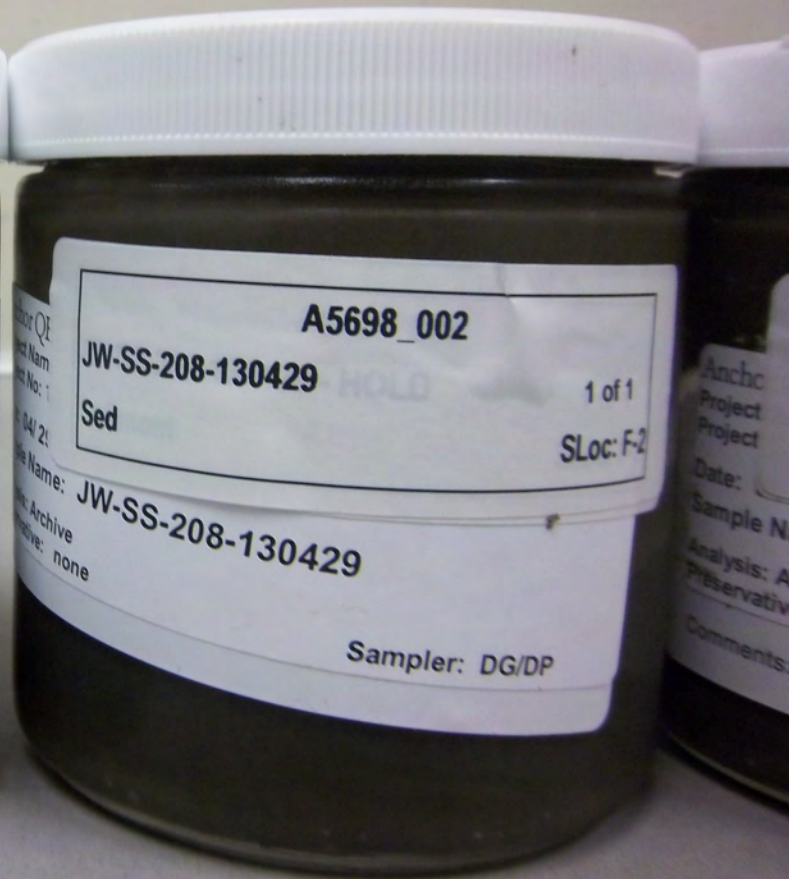
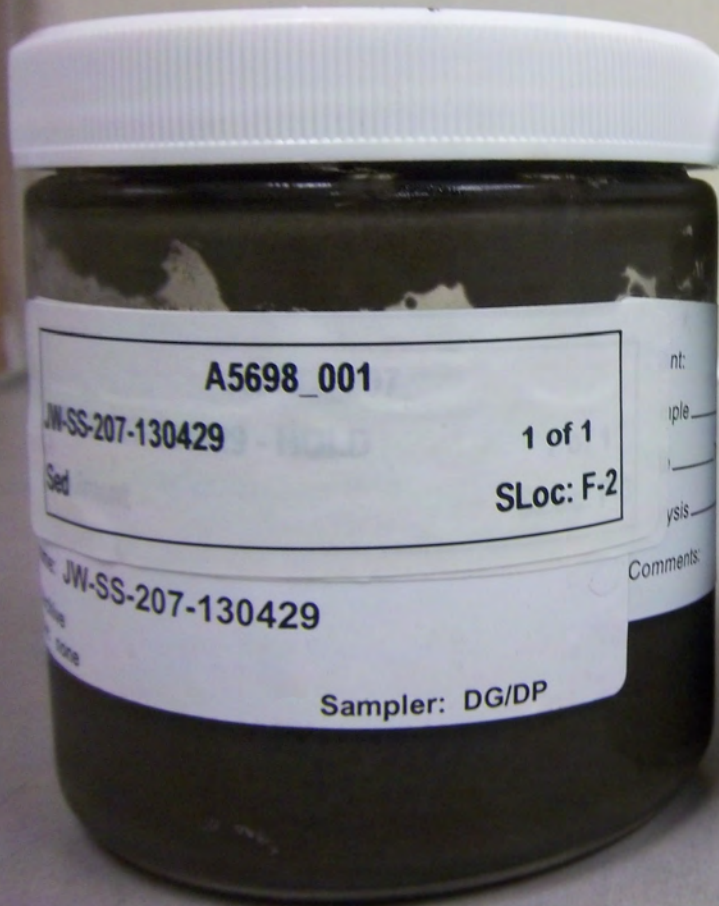
_____ |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

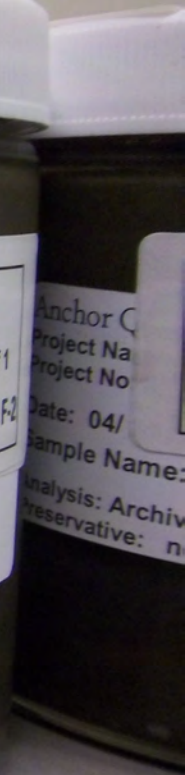
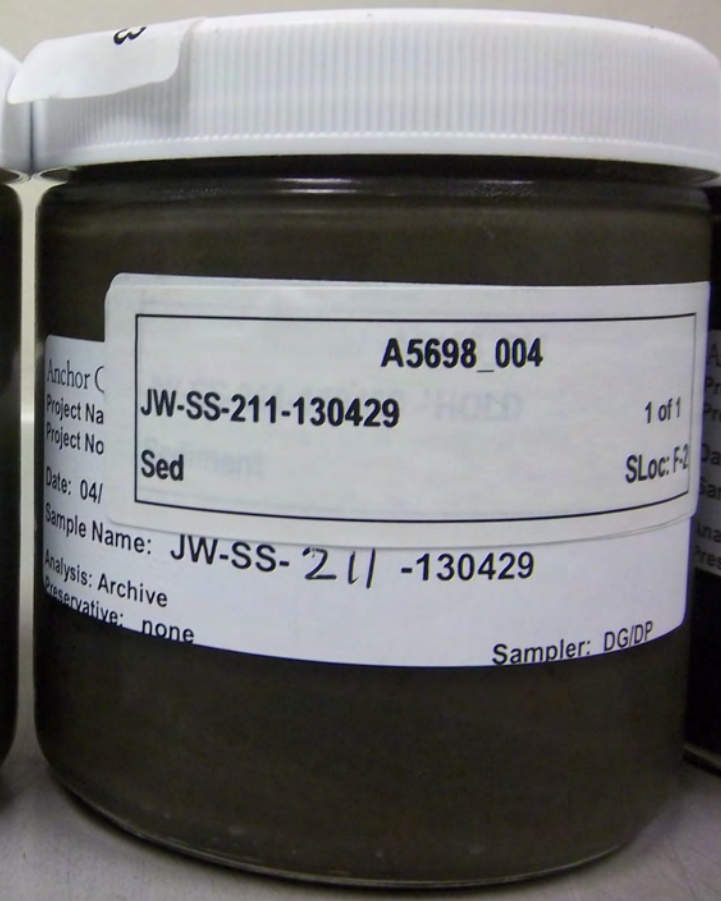
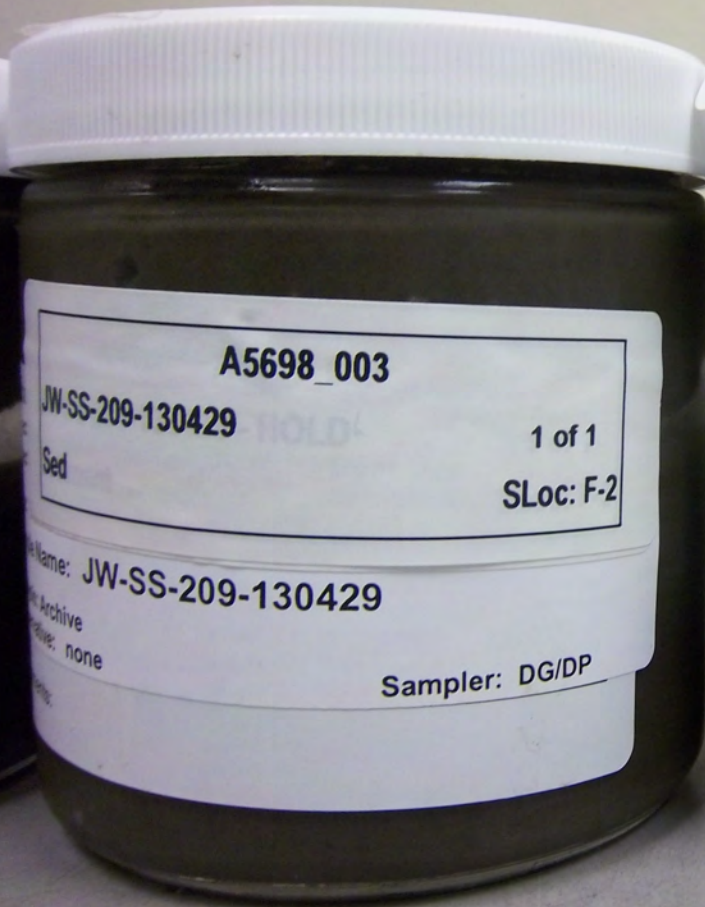
_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | _____
_____ |

Comments: Lid cracked on bottle ID JW-EA10-SC42-B-130426

Inspected and Logged in by: BAH
 Date: Tue-4/30/13 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.7





A5698_005

JW-SS-214-130429

1 of 1

Sed

SLoc: F-2

JW-SS-214-130429

Sampler: DG/DP

A5698_006

JW-SS-215-130429

1 of 1

Sed

SLoc: F-2

Anchor Q:
Project Name
Project No:

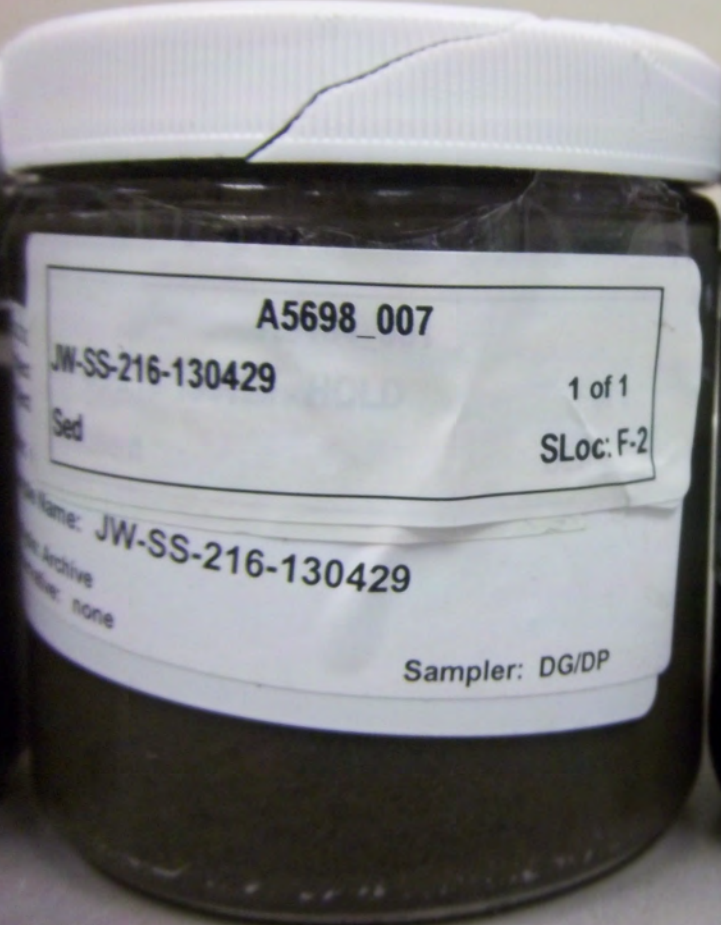
Date: 04/

Sample Name: JW-SS-215-130429

Analysis: Archive

Preservative: none

Sampler: DG/DP



A5698_007

JW-SS-216-130429

Sed

1 of 1

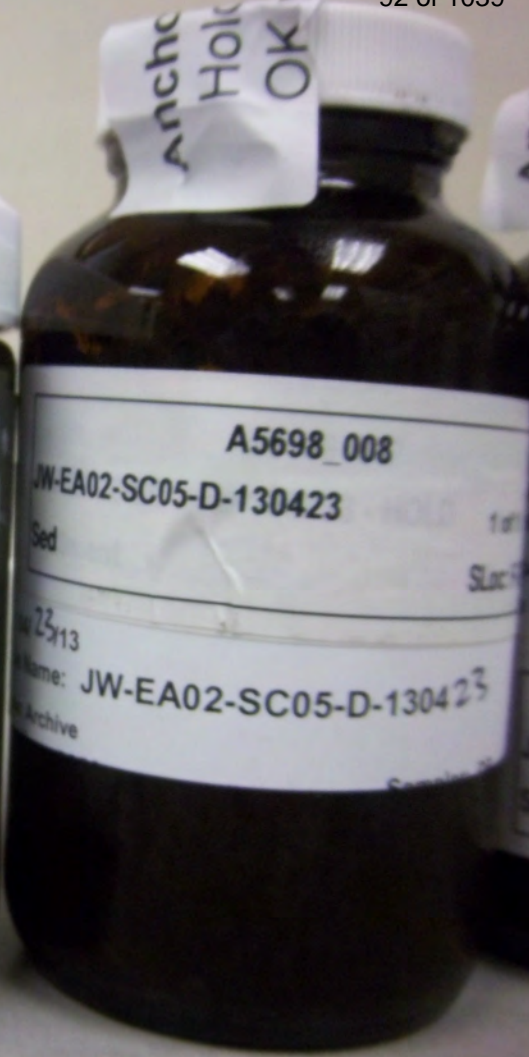
SLoc: F-2

Name: JW-SS-216-130429

Archive

none

Sampler: DG/DP



A5698_008

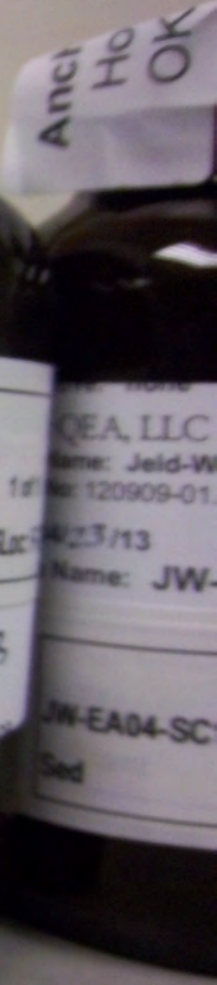
JW-EA02-SC05-D-130423

Sed

23/13

Name: JW-EA02-SC05-D-130423

Archive



JW-EA04-SC

Sed

Anchor
Hob
OK

Anchor QEA, LLC Seattle, WA (206) 287-9130
Project Name: Jeld-Wen Former Nord Door Site
Project No: 120909-01.01
Time: 10:58

JW-EA04-SC13-D-1304 23

A5698_009

JW-EA04-SC13-D-130423

1 of 1
SLoc: F-2

Anchor QEA, LLC Seattle, WA (206) 287-9130
Project Name: Jeld-Wen Former Nord Door Site
Project No: 120909-01.01
Time: 04/ /13

JW-EA06-SC21-A-1304 23

A5698_010

JW-EA06-SC21-A-130423
Sed

Anchor QEA, LLC Seattle, WA (206) 287-9130
Project Name: Jeld-Wen Former Nord Door Site
Project No: 120909-01.01
Time: 04/ /13

JW-EA06-SC21-B-130423

A5698_011

JW-EA06-SC21-B-130423

Anchor

Anchor

(206) 287-9130
Site
Time: 13:10

Seattle, WA (206) 287-9130
Jeld-Wen Former Nord Door Site
Time: 13:15

30423

JW-EA06-SC21-B-130423

1 of 1
SLoc: F-2

A5698_011
JW-EA06-SC21-B-130423

1 of 1
SLoc: F-2

Archive
none

A5698_012
JW-EA07-SC28-A-130426
Sed

JW-EA07-SC28-A-130426

Sampler: DP

Name
No:
0417
Name: JWV
Archive
none

JW-E
Sed

A5698_013

1 of 1

SLoc: F-2

JW-EA07-SC28-B-130426

JW-EA07-SC28-B-130426

Sampler: DP

A5698_014

JW-EA07-SC28-C-130426

Sed

1/13

Name: JW-EA07-SC28-C-130426

Archive
Type: none

Sampler: DP

1 of 1
SLoc: F-2

-130426

Sampler: DP

A5698_015

EA09-SC36-A-130426

1 of 1
SLoc: F-2

JW-EA09-SC36-A-130426

Sampler: DP



SGS Analytical Perspectives — Run Log

Project: A5698_11123_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130718P1-01	7	CS3_PA	1.00	11012012A	MDC	203-430	18-JUL-2013	12:22:07
2	130718P1-02	17	OPR1_11123_DF	1.00	0_11123_OPR001	MDC	735-510	18-JUL-2013	13:14:41
3	130718P1-03	15	SBS_130718_DF_PA	1.00	solvent blank	MDC	685-555	18-JUL-2013	14:07:18
4	130718P1-04	16	MB1_11123_DF_SDS	10.00	Method Blank A5698	MDC	722-304	18-JUL-2013	14:59:52
5	130718P1-05	18	A5698_11123_DF_004	6.29	JW-SS-211-130429	MDC	483-957	18-JUL-2013	15:52:27
6	130718P1-06	19	A5698_11123_DF_005	5.47	JW-SS-214-130429	MDC	752-903	18-JUL-2013	16:45:02
7	130718P1-07	20	A5698_11123_DF_006	5.78	JW-SS-215-130429	MDC	813-318	18-JUL-2013	17:37:37
8	130718P1-08	21	A5698_11123_DF_007	8.47	JW-SS-216-130429	MDC	852-833	18-JUL-2013	18:30:12
9	130718P1-09	22	A5698_11123_DF_008	5.40	JW-EA02-SC05-D-130423	MDC	* 870-968	18-JUL-2013	19:22:51
10	130718P1-10	23	A5698_11123_DF_009	7.30	JW-EA04-SC13-D-130423	MDC	213-137	18-JUL-2013	20:15:24
11	130718P1-11	7	CS3_PB	1.00	11012012A	MDC	528-553	18-JUL-2013	21:07:57
12	130718P2-01	17	CPSM	1.00	0_11123_OPR001	MDC	259-588	18-JUL-2013	22:10:42
13	130718P2-02	15	SBS_130718_DF_PB	1.00	solvent blank	MDC	829-350	18-JUL-2013	23:03:13
14	130718P2-03	24	A5698_11123_DF_010	7.10	JW-EA06-SC21-A-130423	MDC	* 030-396	18-JUL-2013	23:55:40
15	130718P2-04	25	A5698_11123_DF_011	6.68	JW-EA06-SC21-B-130423	MDC	083-381	19-JUL-2013	00:48:13
16	130718P2-05	26	A5698_11123_DF_012	7.28	JW-EA07-SC28-A-130426	MDC	320-242	19-JUL-2013	01:40:41
17	130718P2-06	27	A5698_11123_DF_013	9.09	JW-EA07-SC28-B-130426	MDC	438-751	19-JUL-2013	02:33:14
18	130718P2-07	28	A5698_11123_DF_014	8.27	JW-EA07-SC28-C-130426	MDC	740-128	19-JUL-2013	03:25:42
19	130718P2-08	29	A5698_11123_DF_015	8.00	JW-EA09-SC36-A-130426	MDC	610-725	19-JUL-2013	04:18:16
20	130718P2-09	7	CS3_PC	1.00	11012012A	MDC	228-141	19-JUL-2013	05:10:43

REVIEWED
 By Michael D H Chu at 11:01 am, Jul 20, 2013

008, 010 checkcodes updated for correction to assignment of HpCDF CS. ajb 7/22/13

OPR analyzed as CPSM on 2nd clock. ajb 7/22/13

APPROVED
 By Amy Boehm at 2:41 pm, Jul 22, 2013

Lab ID: MB1_11123_DF_SDS

Acq'd: 18 Jul 2013 14:59 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5698

UTP: 20-Jul-2013 09:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 722-304-FRM

Datafile: 130718P1-04

Report: 20 Jul 2013 09:57 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	3583	0.0638
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	2593	0.0516
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3298	0.0655
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3298	0.0659
123789-HxCDD	39.23		1.0125	1.0125	0	4.98E+04	1.55	N	0.98	0.0951	3298	0.0647
1234678-HpCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3237	0.0677
OCDD	46.67		1.0003	1.0004	+0.3	7.68E+04	1.17	N	1.08	0.223	2987	0.104
2378-TCDF	NotFnd		1.0009	-		-	-	-	0.97	-	3409	0.0432
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	3501	0.0444
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	3501	0.0427
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	3503	0.0461
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3503	0.0458
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3503	0.0455
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	3503	0.0505
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	3427	0.0481
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	3427	0.0568
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	3093	0.0896

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0267	-0.2	1.19E+08	0.79	Y	1.01	89.3
ES 12378-PeCDD	34.14	1.2541	1.2541	0	1.07E+08	1.50	Y	0.90	90.4
ES 123478-HxCDD	38.75	0.9910	0.9910	0	9.56E+07	1.21	Y	0.99	90.6
ES 123678-HxCDD	38.88	0.9944	0.9944	0	9.08E+07	1.21	Y	1.02	83.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	1.07E+08	1.19	Y	1.12	90.1
ES 1234678-HpCDD	42.86	1.0959	1.0961	+0.5	9.26E+07	1.06	Y	0.90	96.4
ES OCDD	46.65	1.1930	1.1932	+0.5	1.28E+08	0.90	Y	0.74	81.2
ES 2378-TCDF	26.98	1.0586	1.0585	-0.2	1.84E+08	0.73	Y	1.05	83.9
ES 12378-PeCDF	32.43	1.2725	1.2724	-0.2	1.58E+08	1.59	Y	0.88	86.5
ES 23478-PeCDF	33.73	1.3237	1.3236	-0.2	1.62E+08	1.61	Y	0.91	85.9
ES 123478-HxCDF	37.59	0.9613	0.9613	0	1.21E+08	0.53	Y	1.25	91.3
ES 123678-HxCDF	37.75	0.9655	0.9656	+0.2	1.37E+08	0.54	Y	1.40	92.2
ES 234678-HxCDF	38.53	0.9853	0.9854	+0.2	1.29E+08	0.53	Y	1.29	94.1
ES 123789-HxCDF	39.63	1.0136	1.0136	0	1.20E+08	0.52	Y	1.17	97
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	9.66E+07	0.45	Y	1.03	88.4
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	9.18E+07	0.45	Y	0.89	97.4
ES OCDF	46.90	1.1993	1.1996	+0.7	1.78E+08	0.90	Y	1.00	83.7

Lab ID: MB1_11123_DF_SDS

Acq'd: 18 Jul 2013 14:59 MDC

Wt/Vol: 10.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: Method Blank A5698

UTP: 20-Jul-2013 09:57 MDC

J-level: 0.5 pg/g Split: 1

Checkcode: 722-304-FRM

Datafile: 130718P1-04

Report: 20 Jul 2013 09:57 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

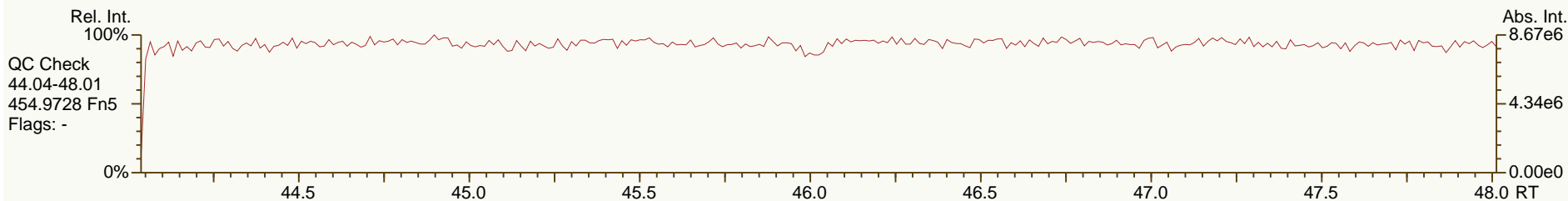
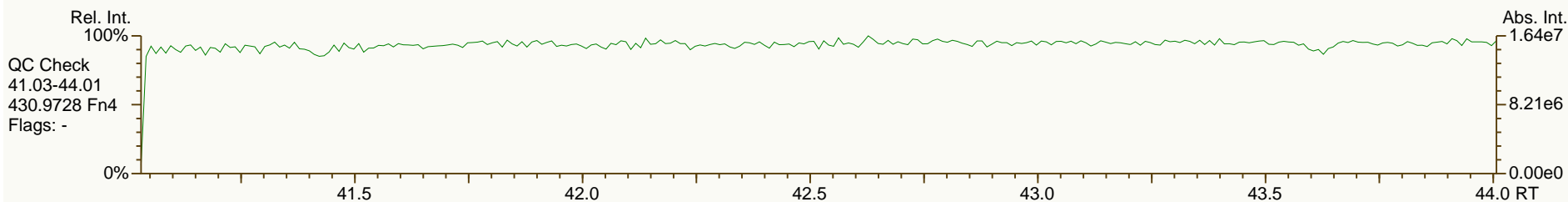
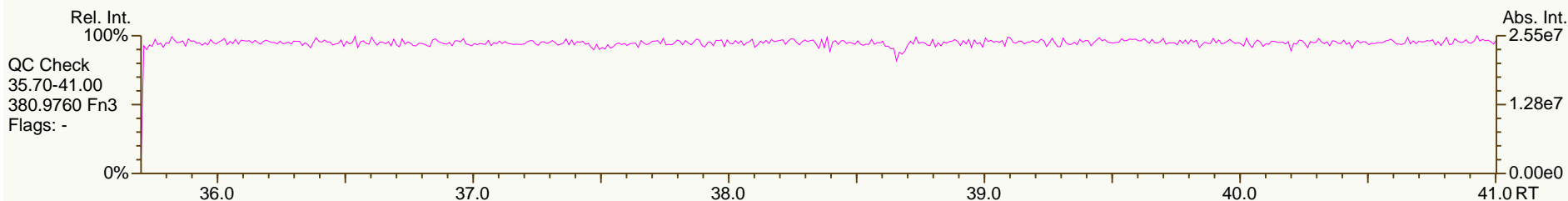
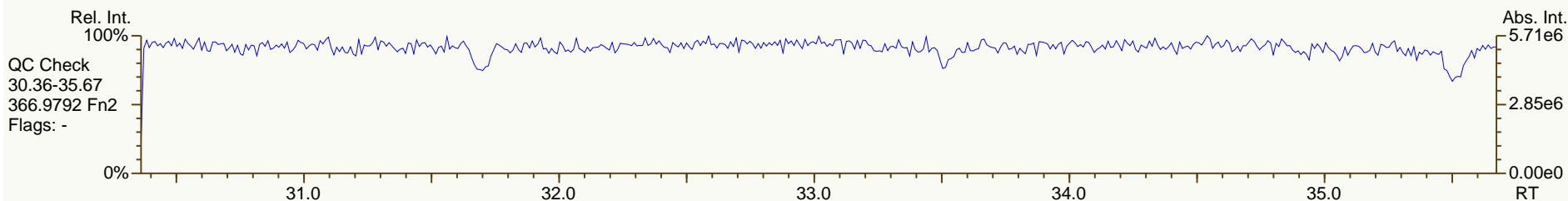
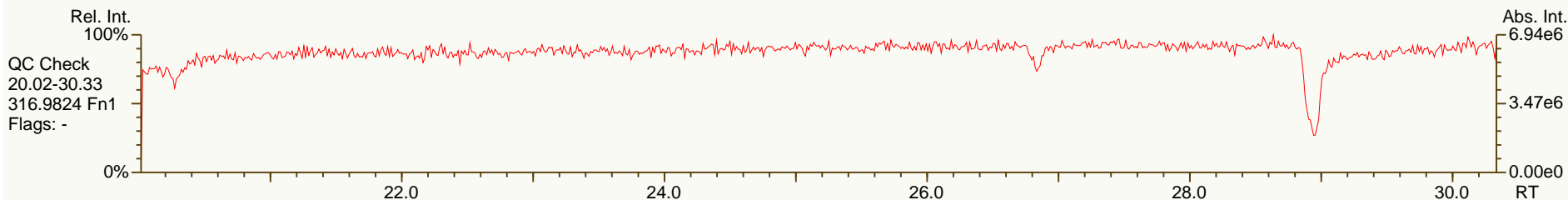
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JS 1234-TCDD	27.22		-	-	-	1.32E+08	0.80	Y	-	-
JS 1234-TCDF	25.49		-	-	-	2.07E+08	0.73	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	5.31E+07	1.21	Y	-	-
CS 37C1-2378-TCDD	27.98		1.0277	1.0277	0	5.26E+07	n/a	-	1.10	90.8
CS 12347-PeCDD	33.56		1.2327	1.2326	-0.2	1.13E+08	1.58	Y	0.79	108
CS 12346-PeCDF	31.82		1.2486	1.2486	0	1.63E+08	1.62	Y	0.87	90.8
CS 123469-HxCDF	38.12		0.9749	0.9749	0	1.31E+08	0.53	Y	1.21	102
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	9.55E+07	0.46	Y	0.89	101
SS 37C1-2378-TCDD	27.98		1.0277	1.0277	0	5.26E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.56		1.2327	1.2326	-0.2	1.13E+08	1.58	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2486	0	1.63E+08	1.62	Y	0.99	105
SS 123469-HxCDF	38.12		0.9749	0.9749	0	1.31E+08	0.53	Y	0.87	110
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	9.55E+07	0.46	Y	0.87	114
AS 1368-TCDD	23.93		0.8792	0.8791	-0.2	1.21E+08	0.81	Y	1.00	92.2
AS 1368-TCDF	21.75		0.8532	0.8535	+0.5	2.00E+08	0.78	Y	1.20	80.4
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	0	0.0695
Total PeCDD	0	0
Total HxCDD	0	0.0951
Total HpCDD	0	0
Total Tetra-Octa Dioxins	0	0.387
Total TCDF	0	0
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0	0
Total Tetra-Octa Dioxins & Furans	0	0.387

SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

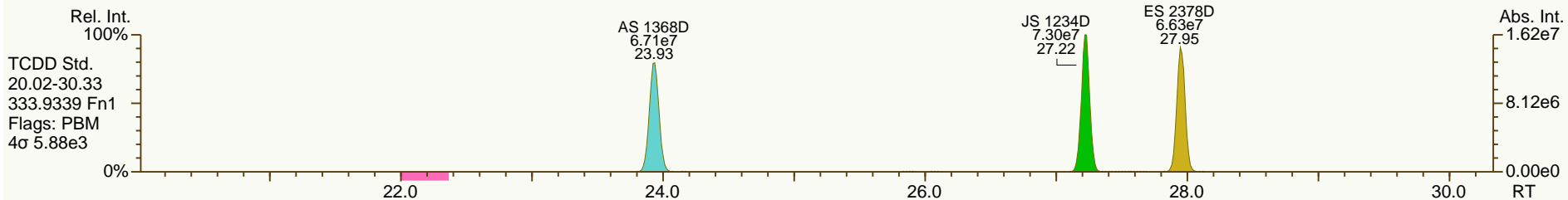
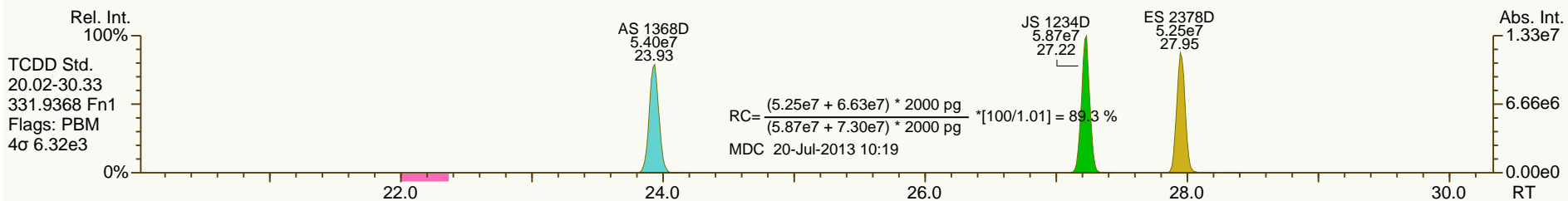
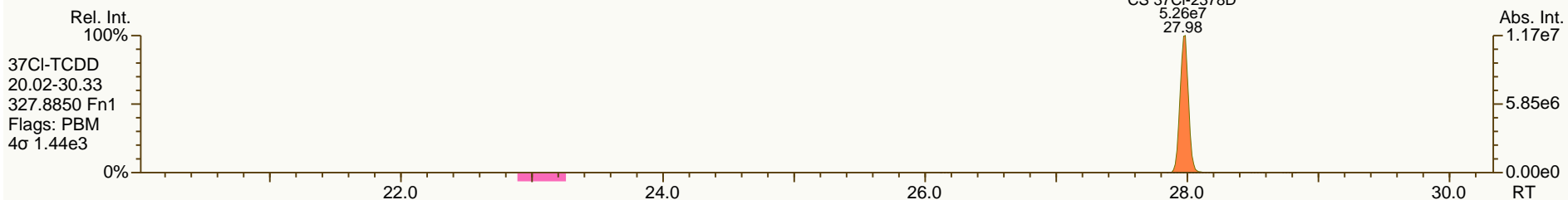
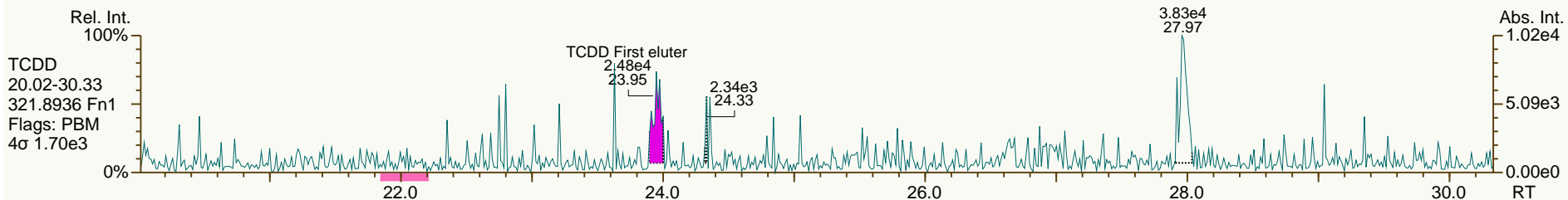
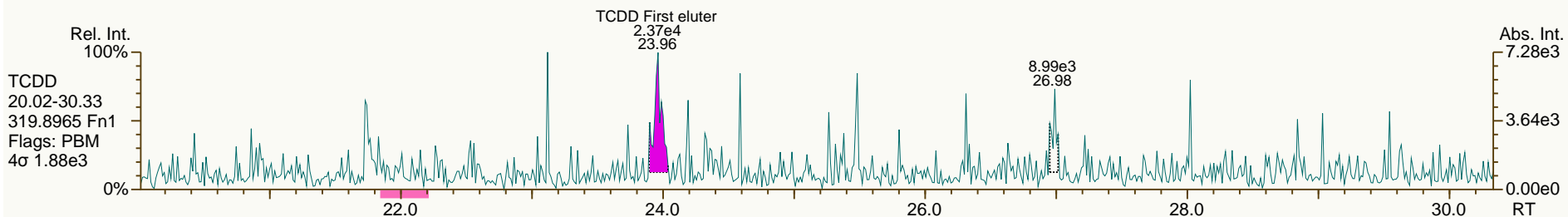
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

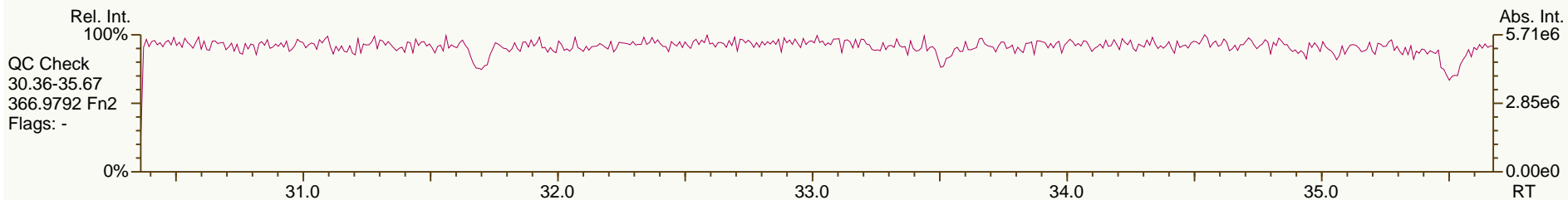
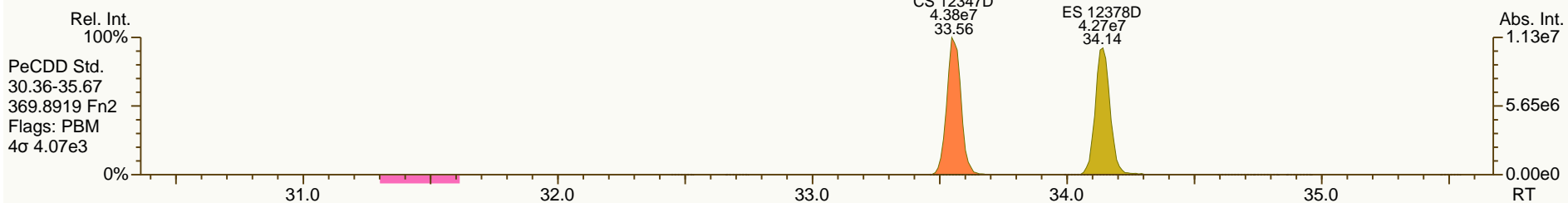
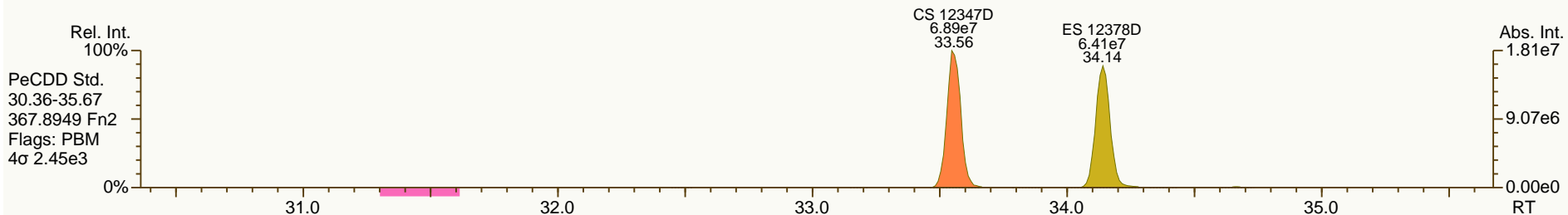
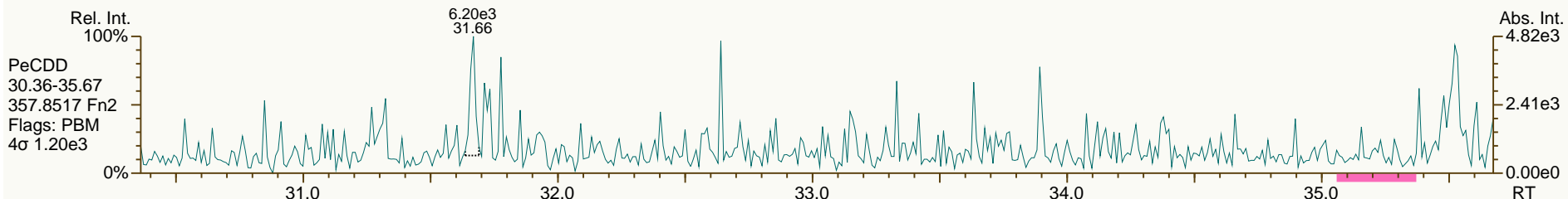
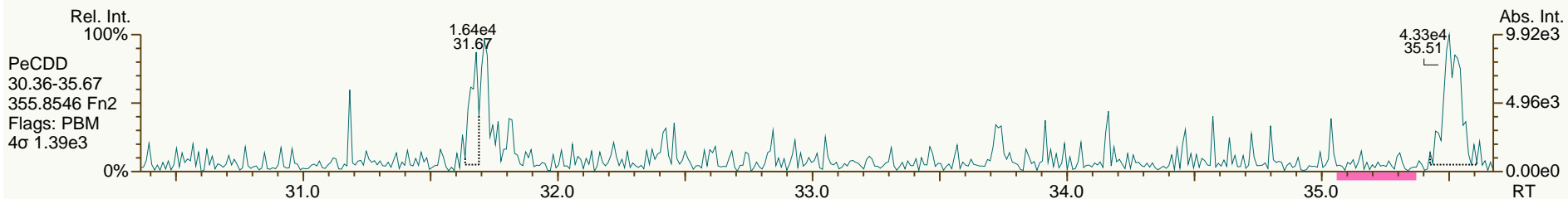
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

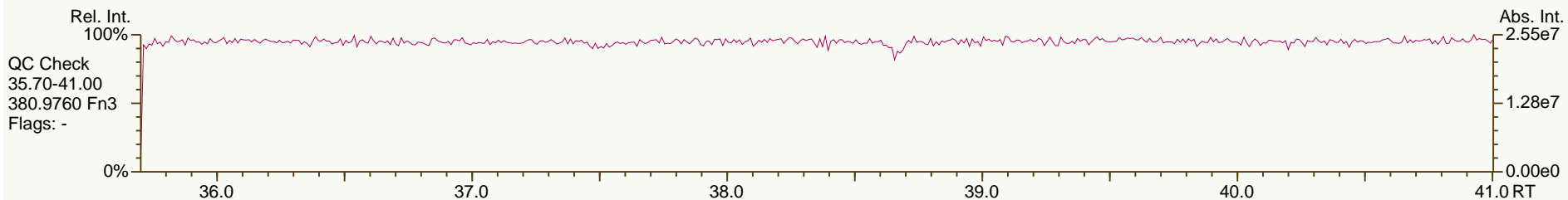
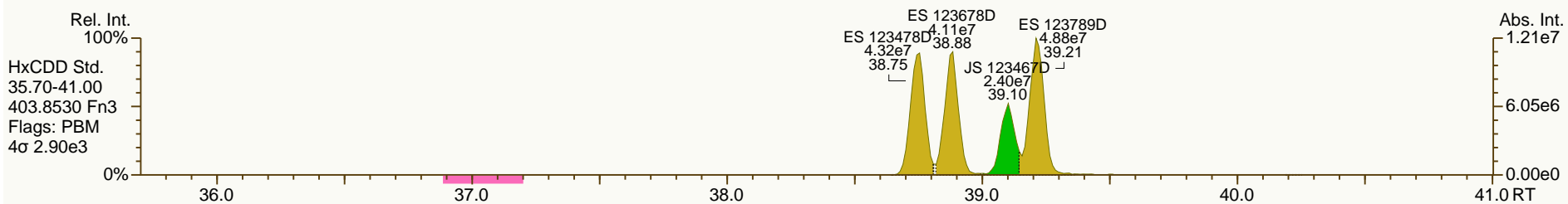
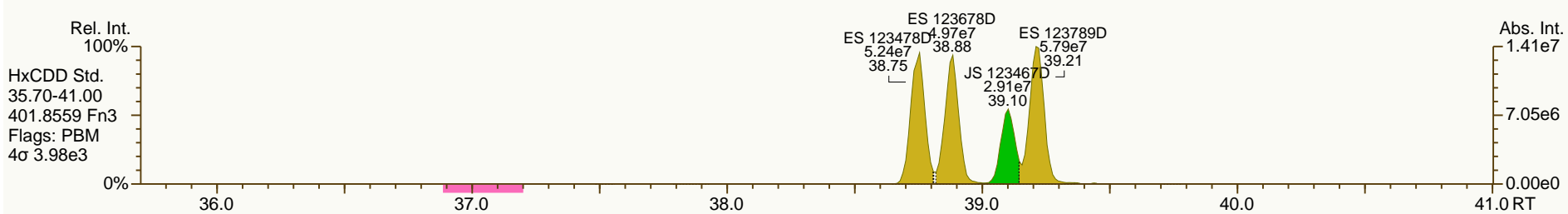
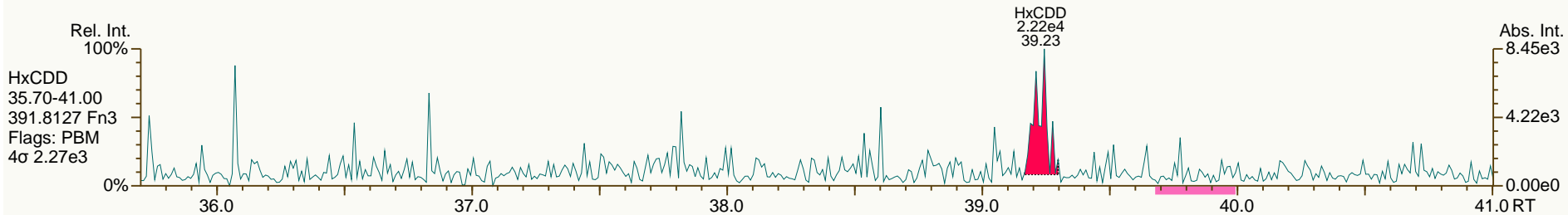
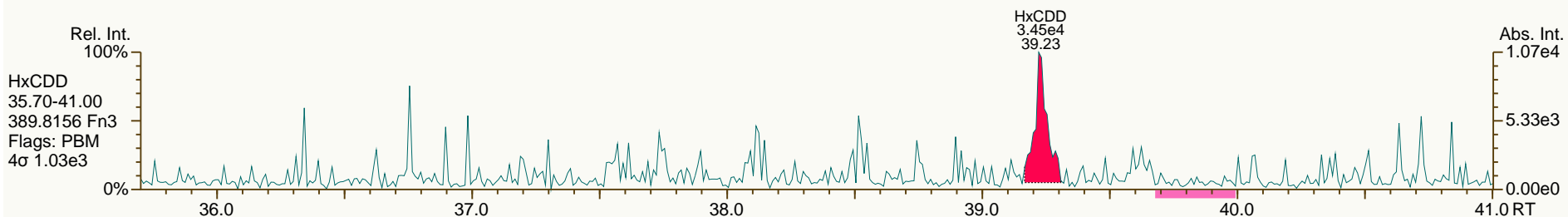
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

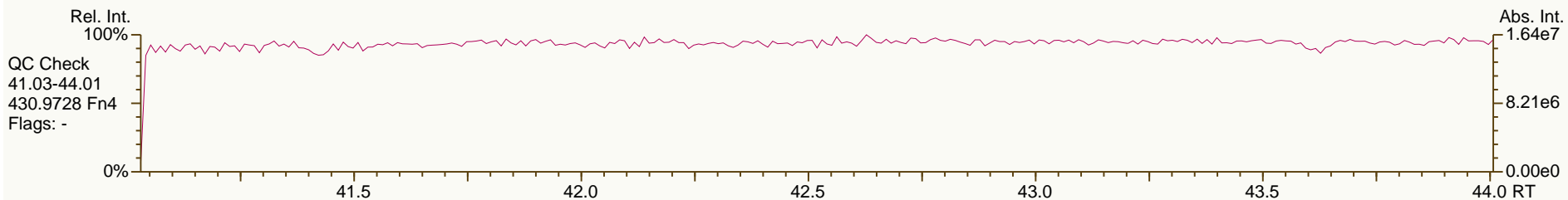
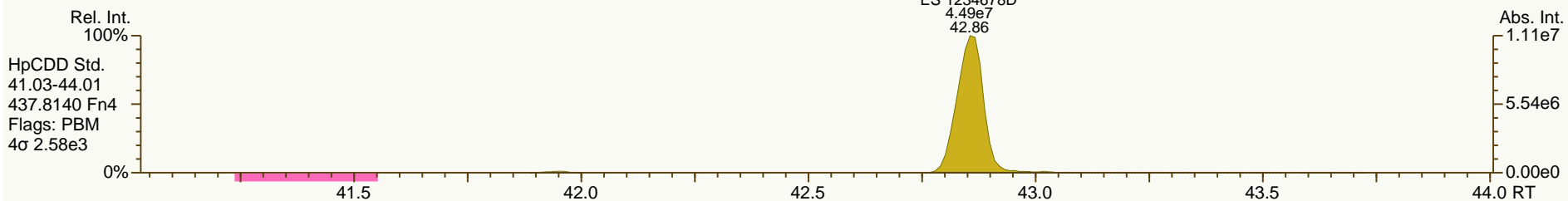
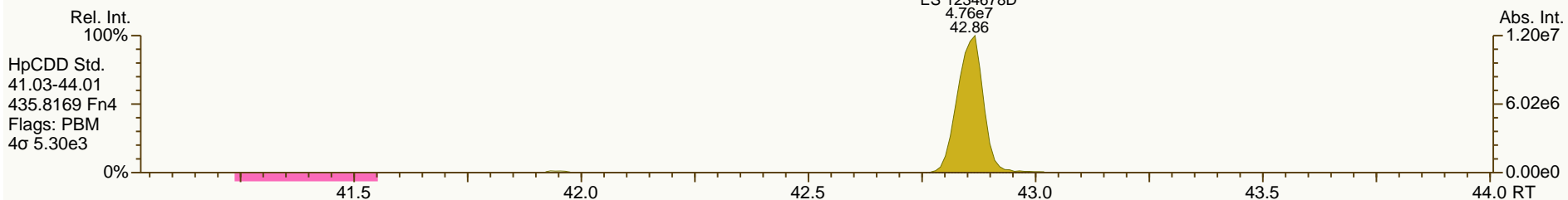
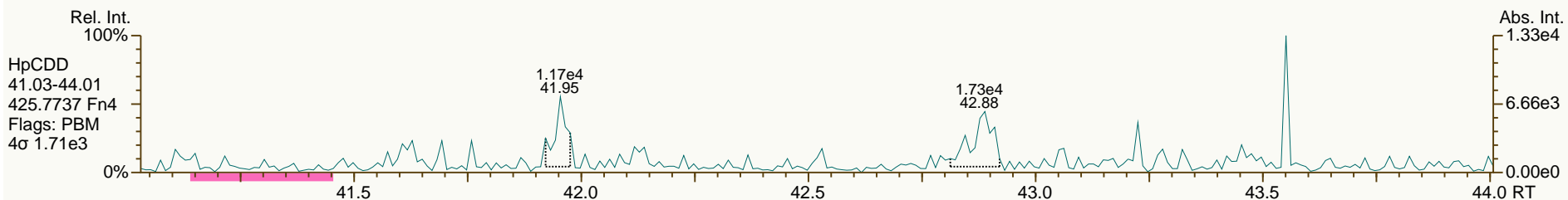
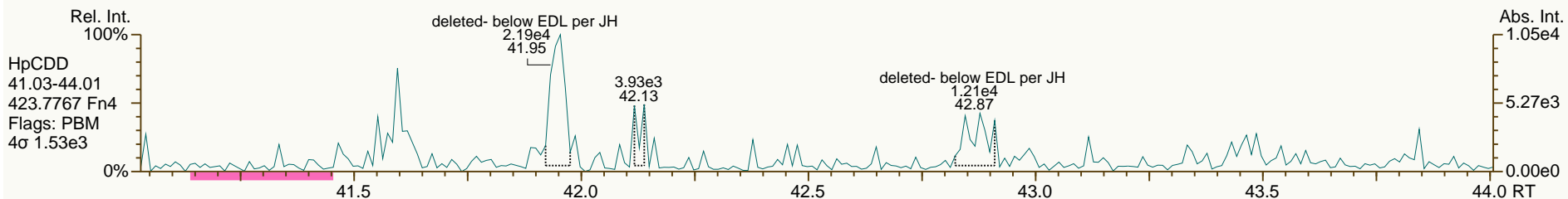
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

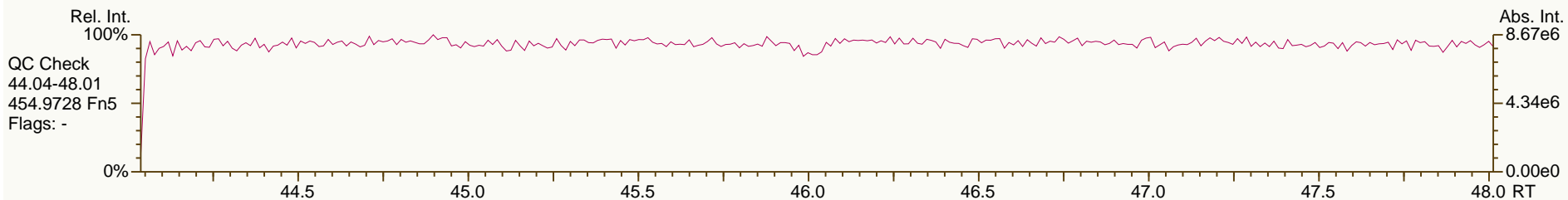
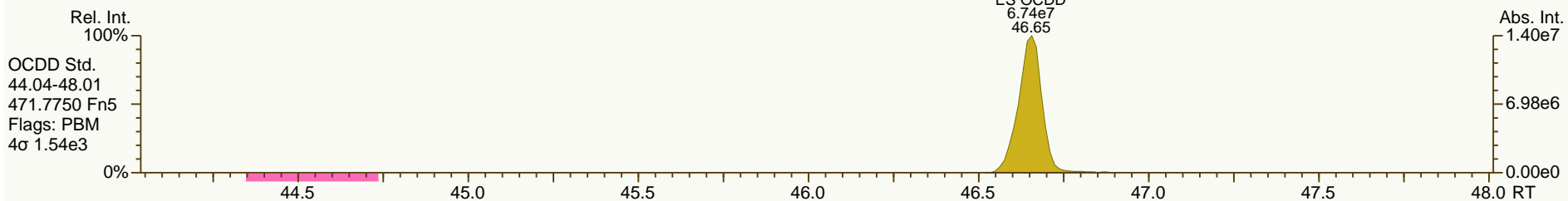
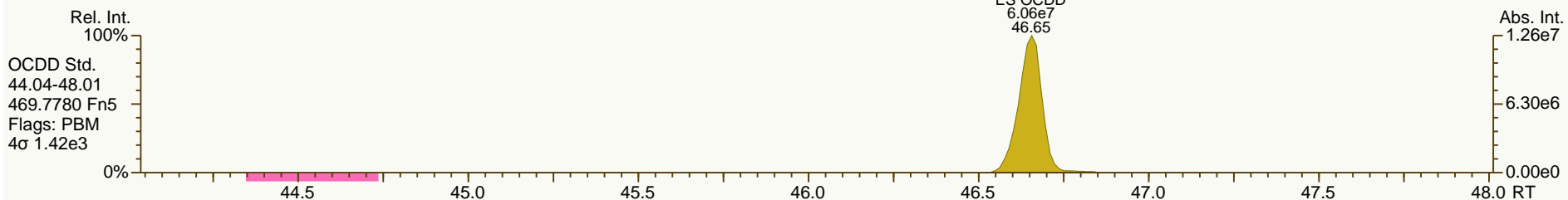
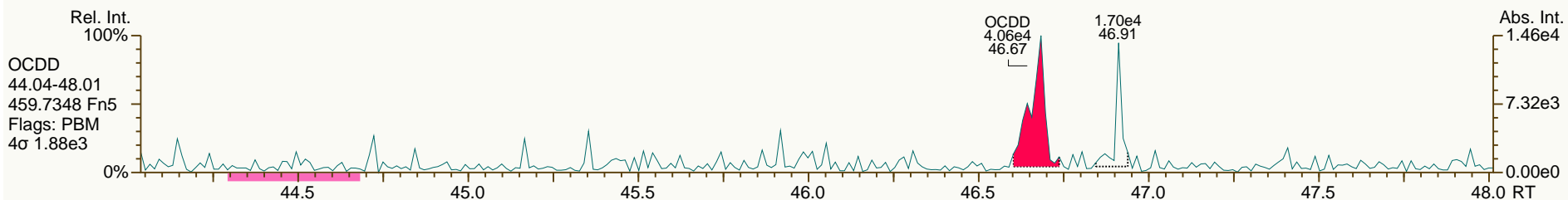
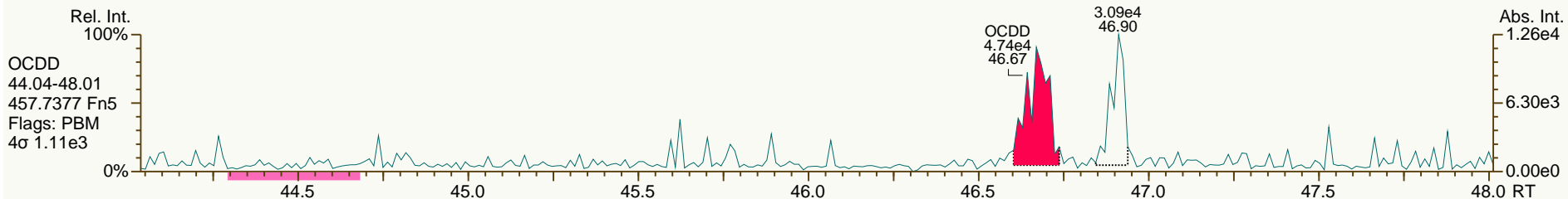
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

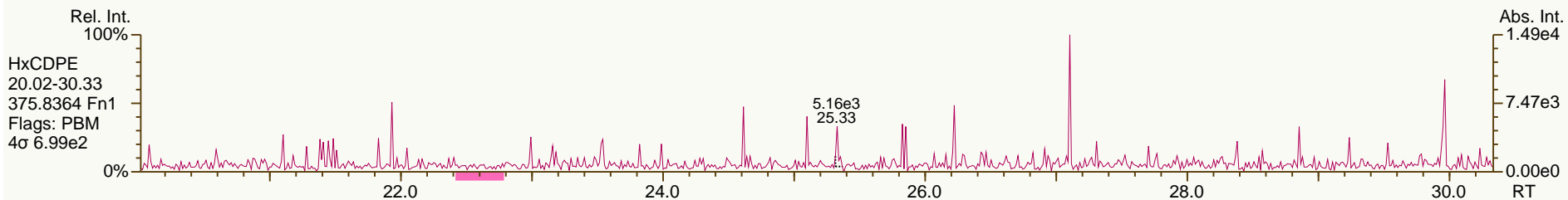
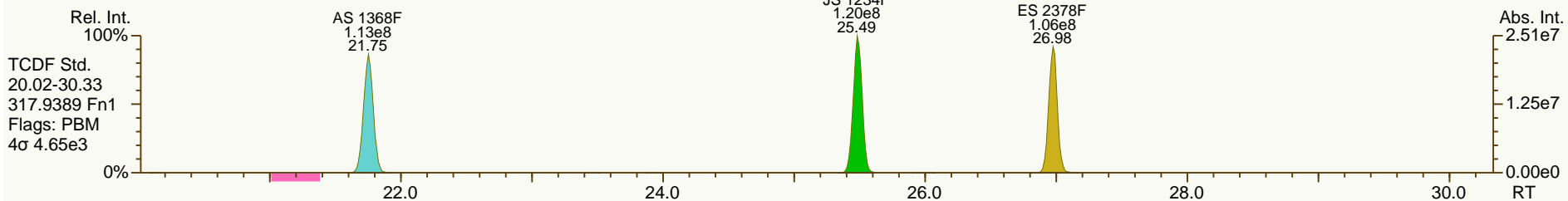
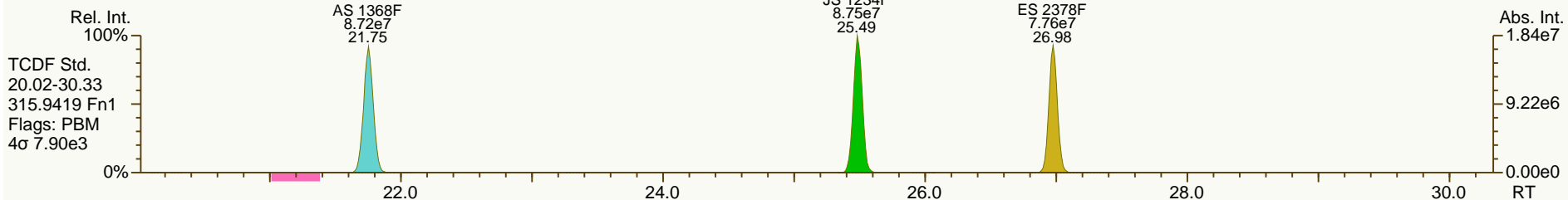
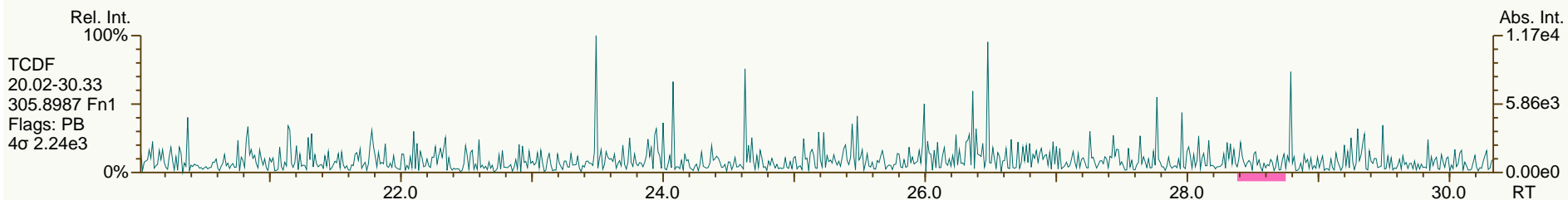
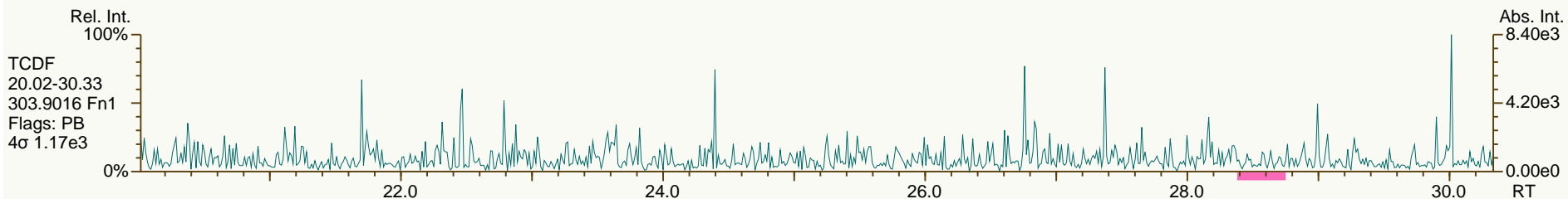
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

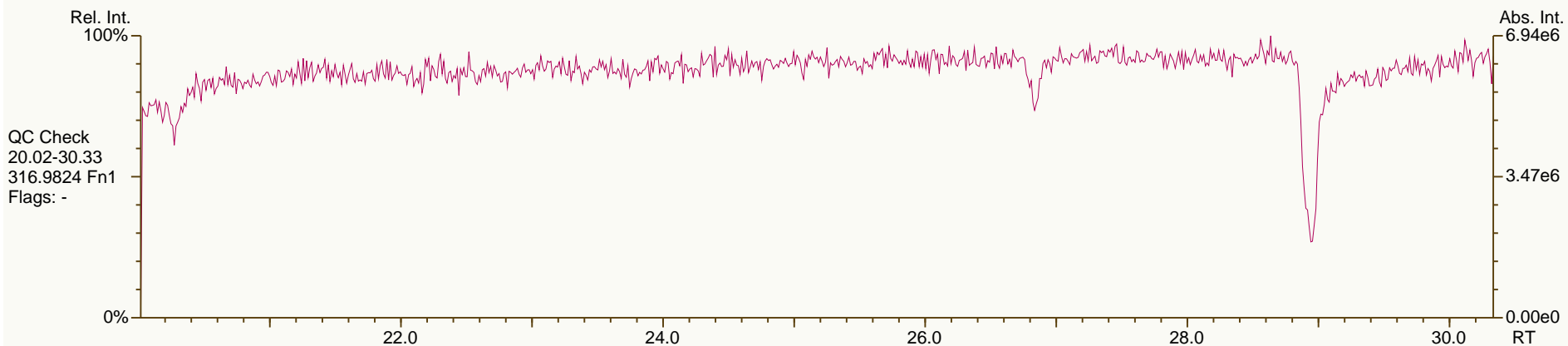
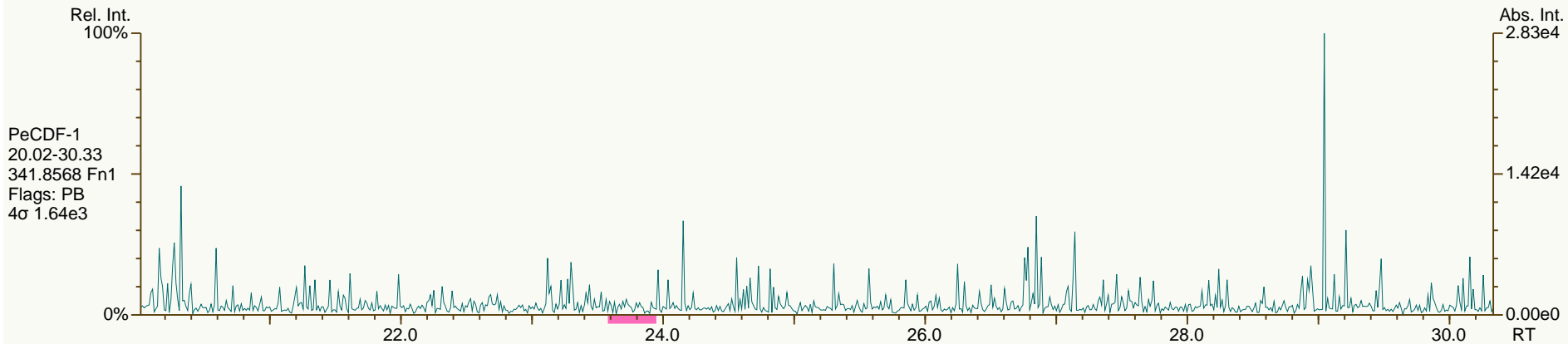
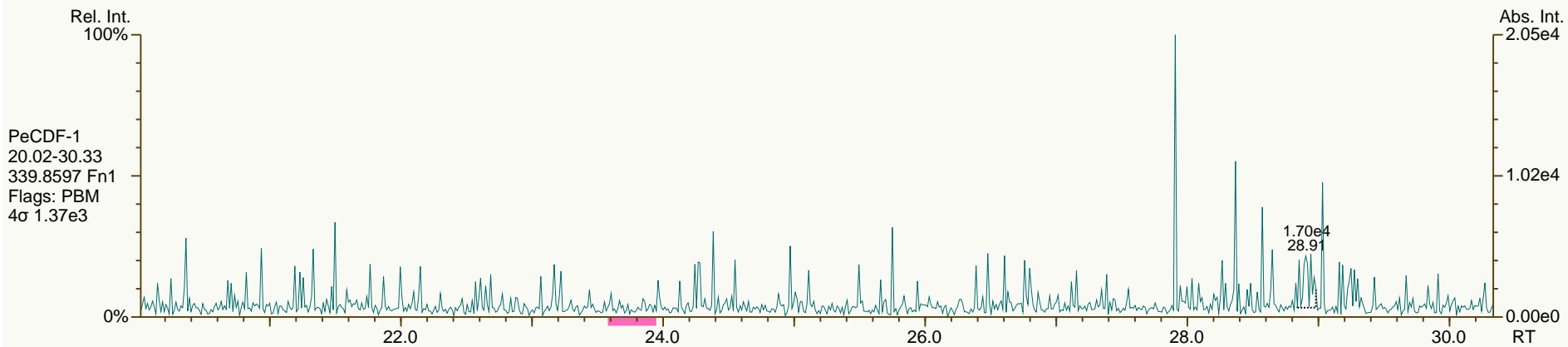
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

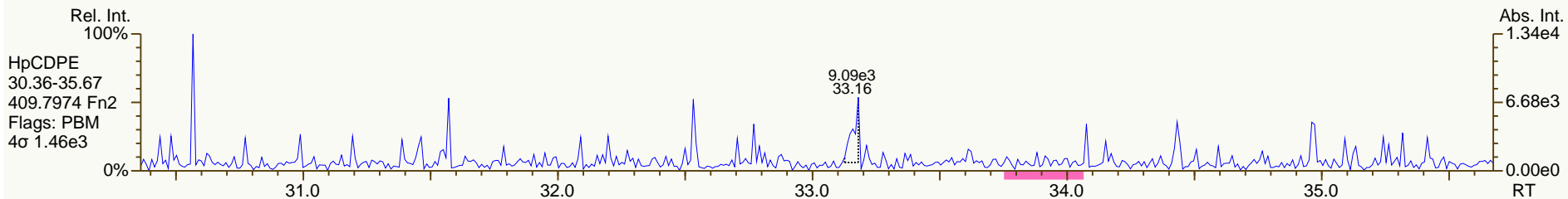
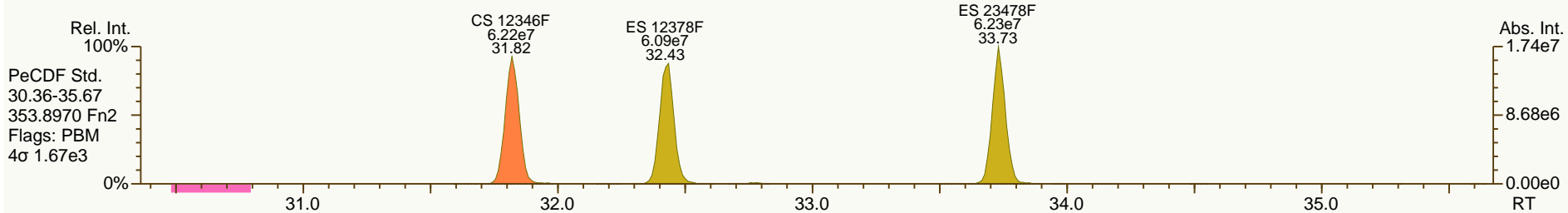
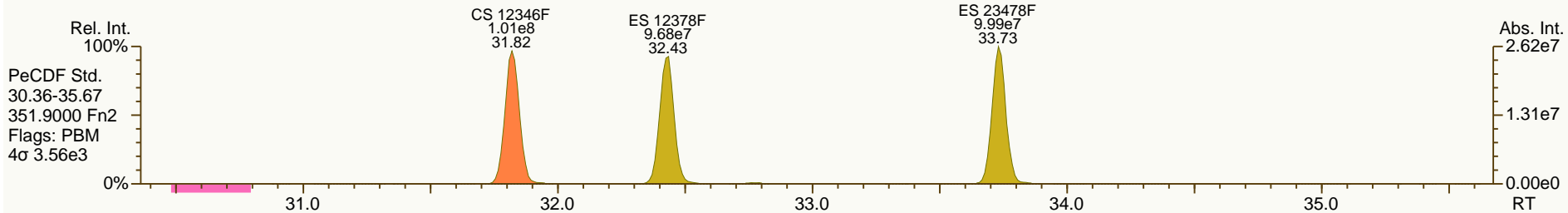
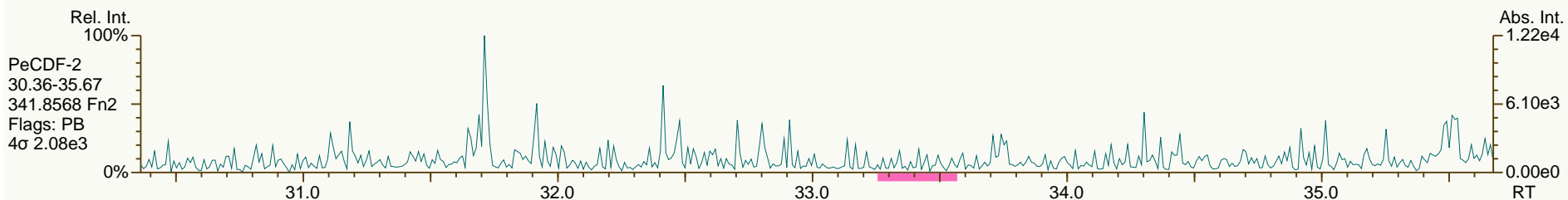
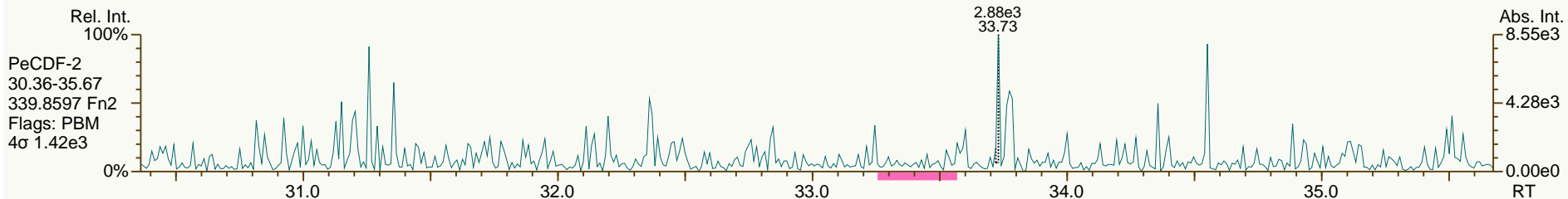
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

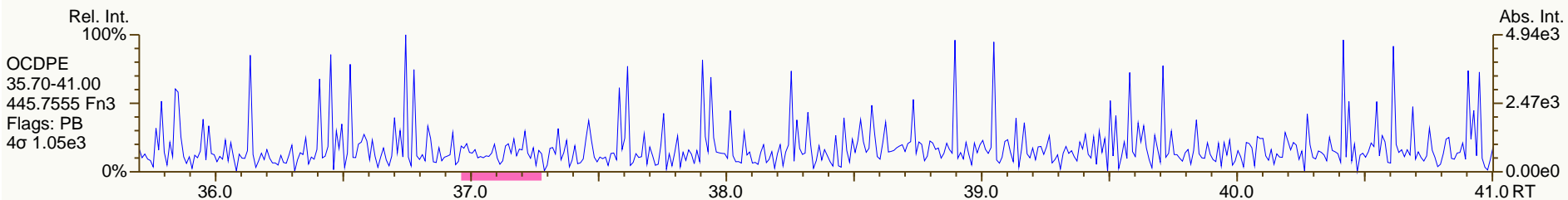
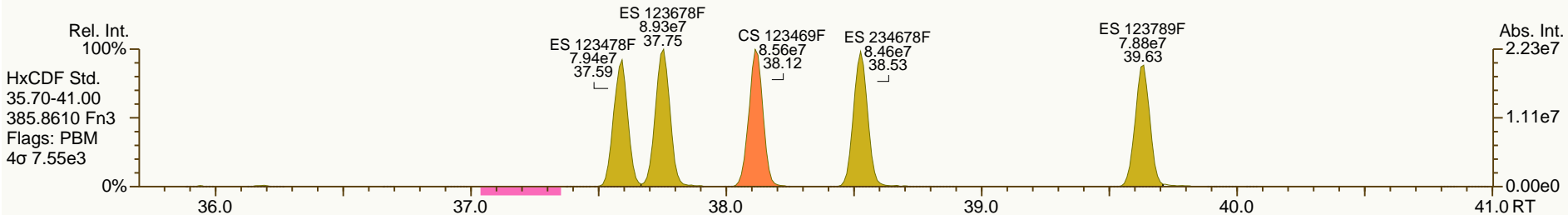
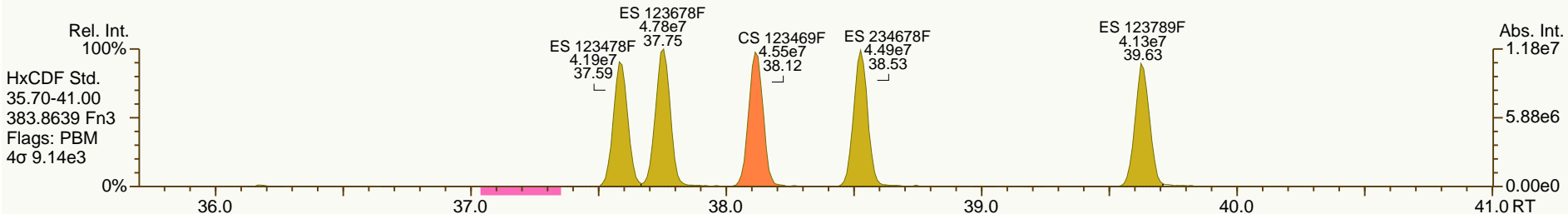
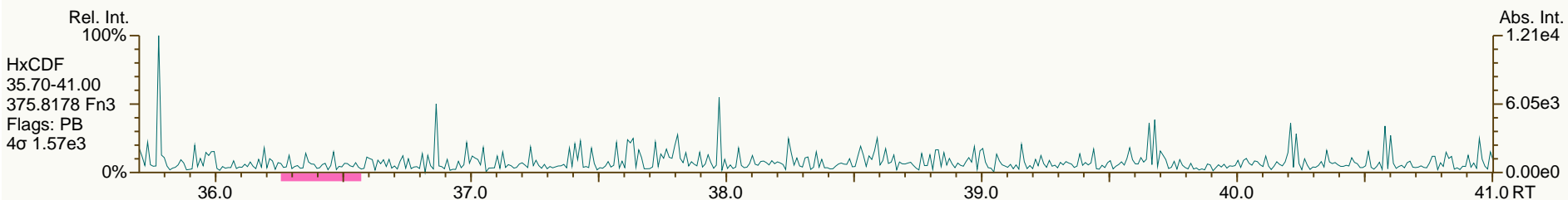
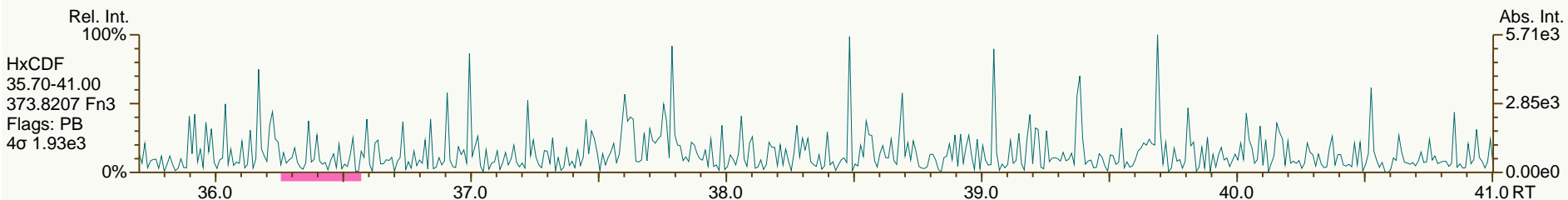
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

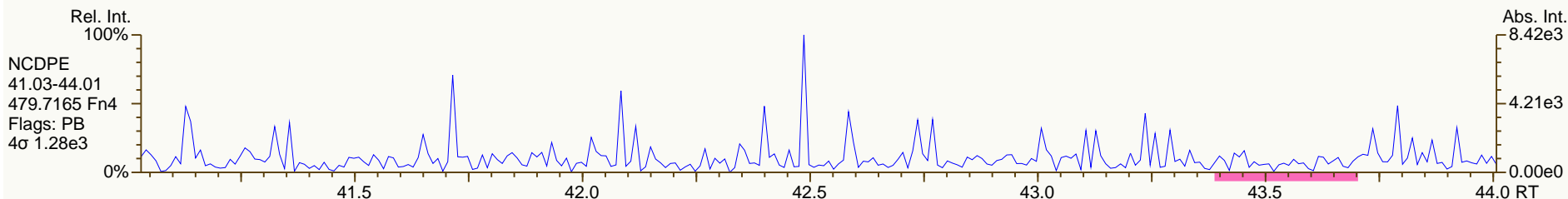
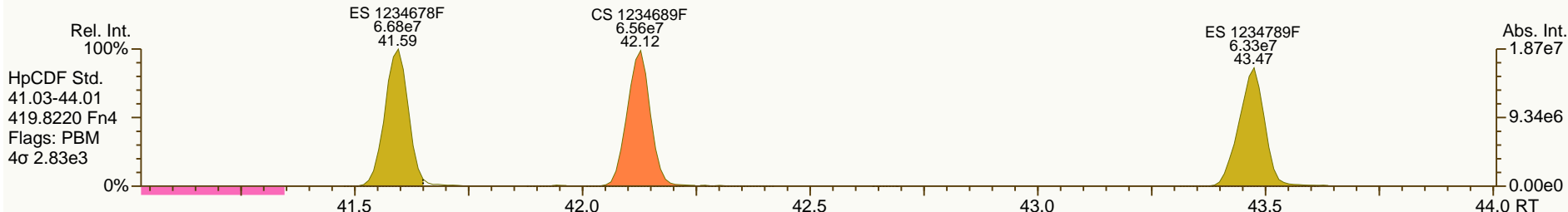
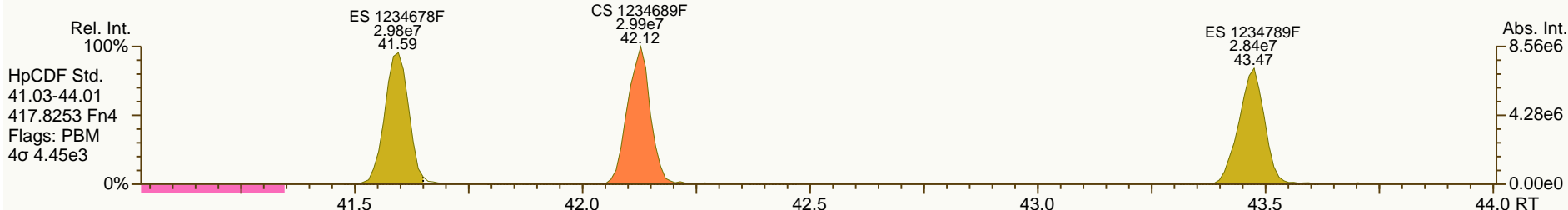
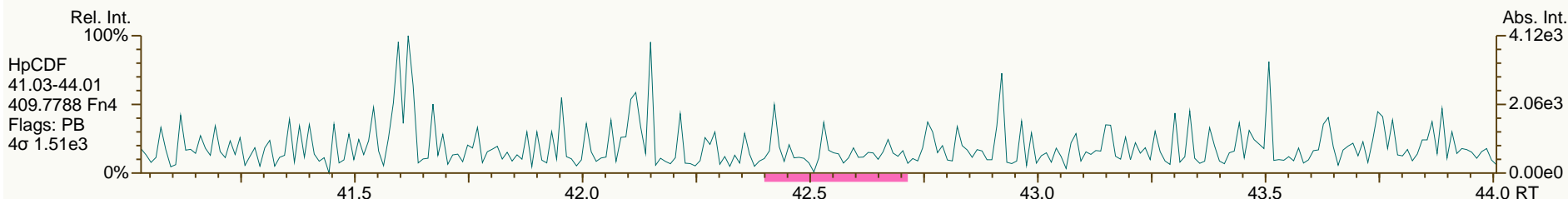
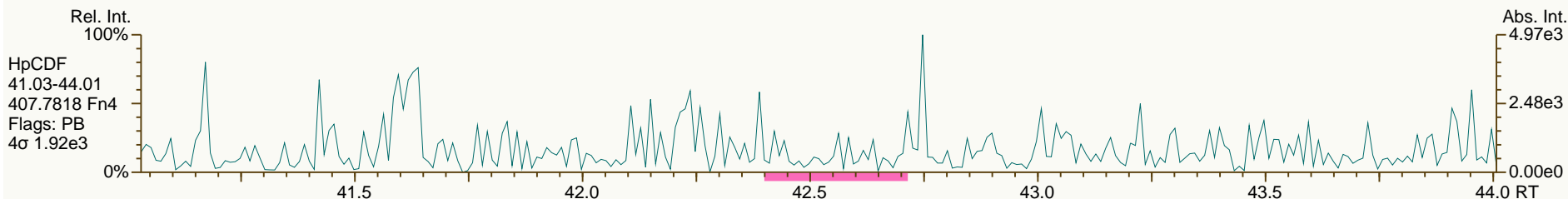
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

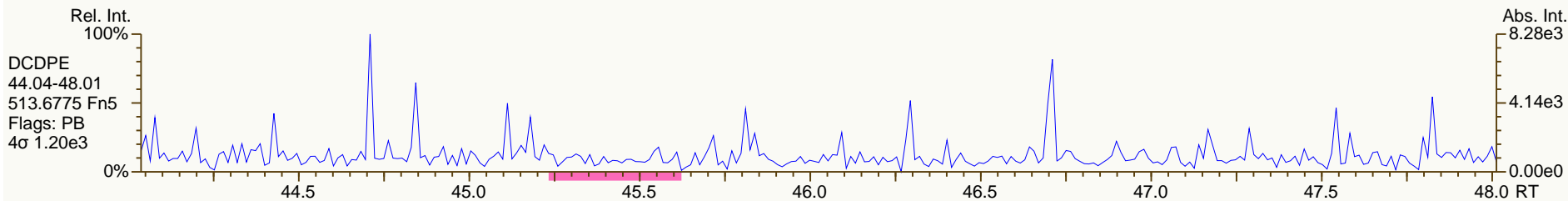
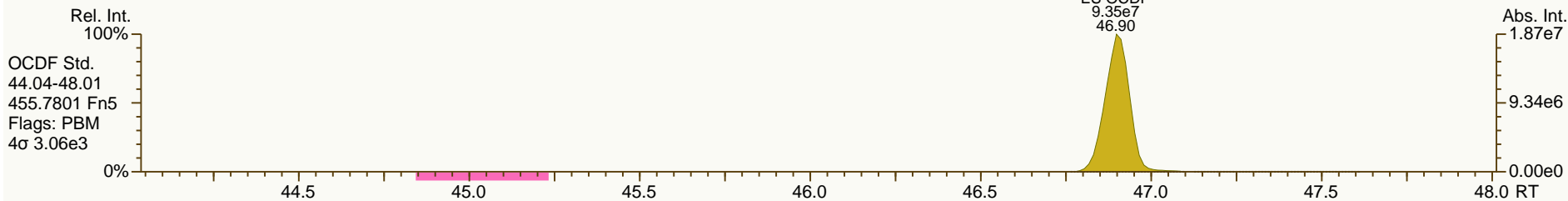
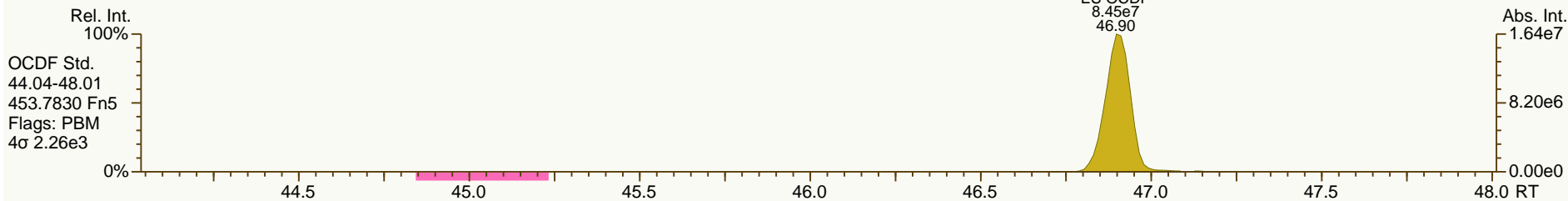
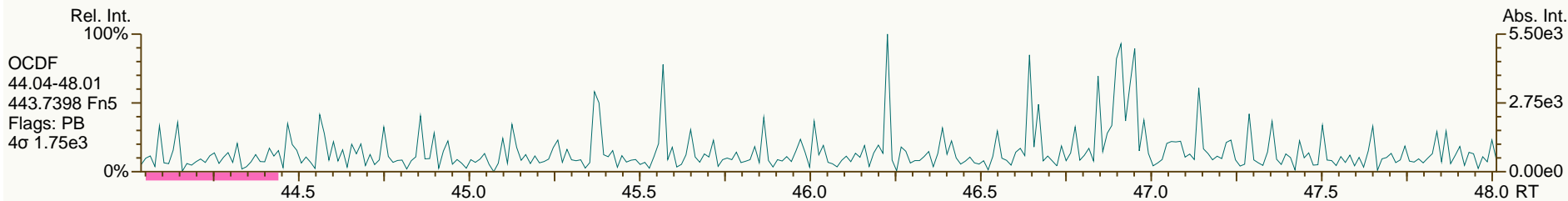
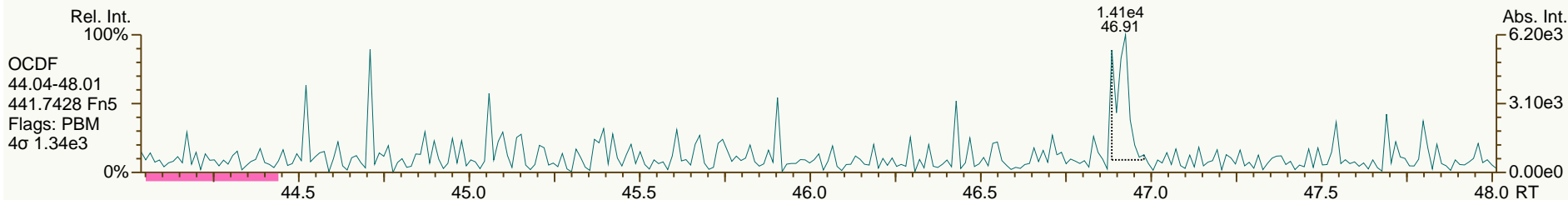
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SGS-AP ID: MB1_11123_DF_SDS
 Instr: AutoSpec-Ultima MM1

Sample ID: Method Blank A5698
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 18-JUL-2013 14:59:52
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Lab ID: A5698_11123_DF_004

Acq'd: 18 Jul 2013 15:52 MDC

Wt/Vol: 6.29 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-211-130429

UTP: 20-Jul-2013 09:59 MDC

J-level: 0.795 pg/g

Split: 1

Checkcode: 483-957-WVC

Datafile: 130718P1-05

Report: 20 Jul 2013 09:59 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	4.32E+04	0.75	Y	1.06	0.205	3600	0.191
12378-PeCDD	34.16		1.0006	1.0007	+0.2	1.29E+05	1.53	Y	0.94	0.74	4229	0.238
123478-HxCDD	38.77		1.0004	1.0006	+0.5	2.25E+05	1.14	Y	1.02	1.43	4923	0.297
123678-HxCDD	38.89		1.0039	1.0038	-0.2	5.61E+05	1.32	Y	1.04	3.78	4923	0.316
123789-HxCDD	39.23		1.0125	1.0124	-0.2	3.79E+05	1.15	Y	0.98	2.36	4923	0.304
1234678-HpCDD	42.87		1.0004	1.0004	0	8.37E+06	1.04	Y	1.02	55	6172	0.368
OCDD	46.67		1.0003	1.0004	+0.3	4.79E+07	0.90	Y	1.08	428	2303	0.235
2378-TCDF	26.99		1.0009	1.0009	0	4.81E+05	0.77	Y	0.97	1.57	3951	0.153
12378-PeCDF	32.44		1.0006	1.0005	-0.2	1.36E+05	1.35	Y	1.00	0.532	3948	0.15
23478-PeCDF	33.76		1.0006	1.0009	+0.6	2.41E+05	1.49	Y	0.96	0.903	3948	0.145
123478-HxCDF	37.60		1.0005	1.0005	0	1.87E+05	1.24	Y	1.23	0.784	3711	0.154
123678-HxCDF	37.77		1.0005	1.0005	0	1.70E+05	1.32	Y	1.14	0.673	3711	0.139
234678-HxCDF	38.54		1.0005	1.0004	-0.2	2.36E+05	1.31	Y	1.14	0.99	3711	0.156
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3711	0.158
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	2.07E+06	1.02	Y	1.34	9.74	4518	0.182
1234789-HpCDF	43.48		1.0003	1.0003	0	1.06E+05	1.33	N	1.30	0.557	4518	0.235
OCDF	46.92		1.0004	1.0003	-0.3	3.29E+06	0.89	Y	1.00	23.1	3345	0.271

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	6.30E+07	0.81	Y	1.01	94.2
ES 12378-PeCDD	34.14	1.2541	1.2544	+0.5	5.91E+07	1.42	Y	0.90	99.7
ES 123478-HxCDD	38.74	0.9910	0.9910	0	4.89E+07	1.20	Y	0.99	89.2
ES 123678-HxCDD	38.88	0.9944	0.9944	0	4.55E+07	1.17	Y	1.02	80.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	5.20E+07	1.19	Y	1.12	84.5
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	4.74E+07	1.08	Y	0.90	94.9
ES OCDD	46.65	1.1930	1.1931	+0.2	6.60E+07	0.90	Y	0.74	80.6
ES 2378-TCDF	26.97	1.0586	1.0586	0	9.99E+07	0.79	Y	1.05	93.5
ES 12378-PeCDF	32.43	1.2725	1.2728	+0.5	8.17E+07	1.61	Y	0.88	91.7
ES 23478-PeCDF	33.73	1.3237	1.3241	+0.6	8.81E+07	1.57	Y	0.91	95.4
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.17E+07	0.53	Y	1.25	89.3
ES 123678-HxCDF	37.75	0.9655	0.9655	0	7.08E+07	0.55	Y	1.40	91.6
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	6.63E+07	0.53	Y	1.29	92.7
ES 123789-HxCDF	39.63	1.0136	1.0136	0	6.20E+07	0.53	Y	1.17	96.4
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	5.03E+07	0.44	Y	1.03	88.6
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	4.69E+07	0.46	Y	0.89	95.7
ES OCDF	46.90	1.1993	1.1996	+0.7	9.06E+07	0.89	Y	1.00	82

Lab ID: A5698_11123_DF_004

Acq'd: 18 Jul 2013 15:52 MDC

Wt/Vol: 6.29 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-211-130429

UTP: 20-Jul-2013 09:59 MDC

J-level: 0.795 pg/g

Split: 1

Checkcode: 483-957-WVC

Datafile: 130718P1-05

Report: 20 Jul 2013 09:59 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

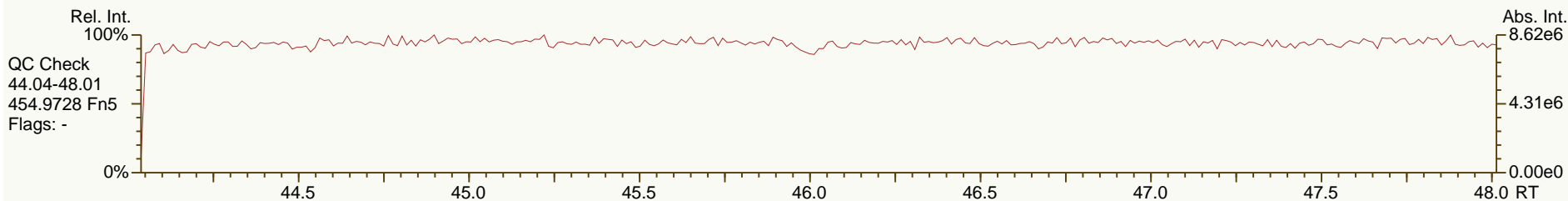
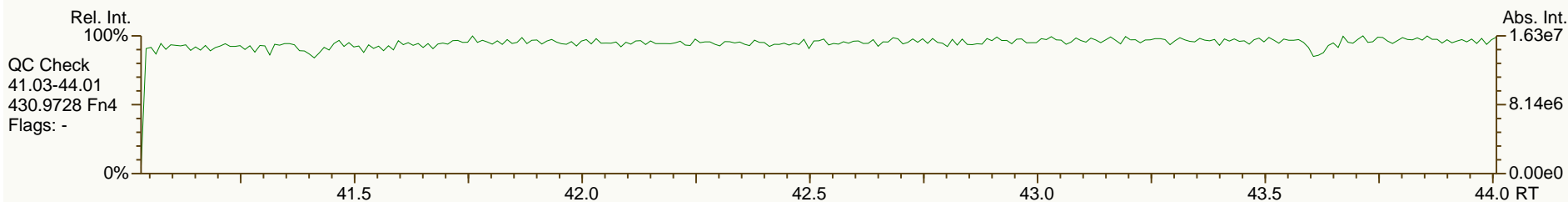
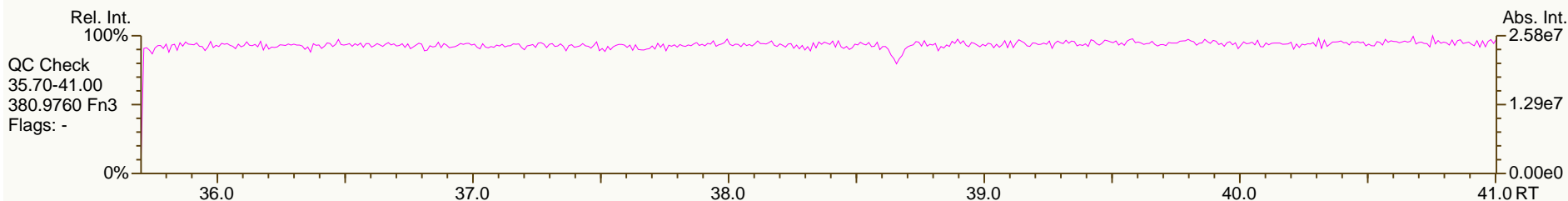
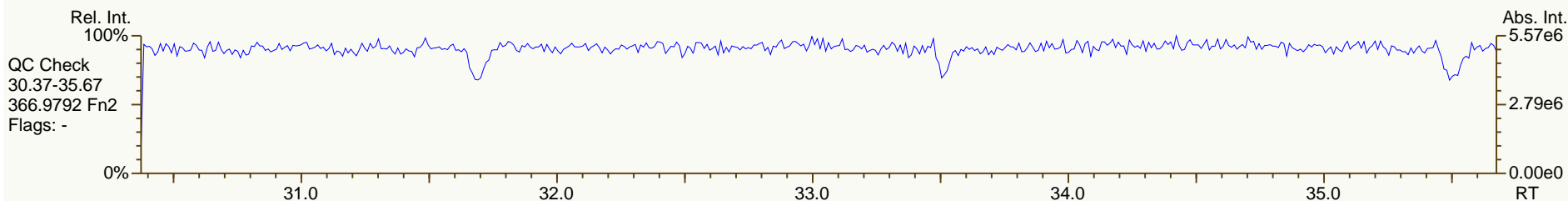
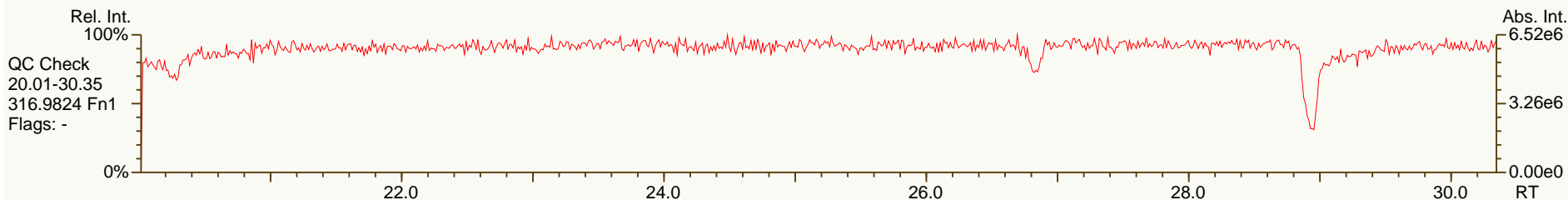
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JS 1234-TCDD	27.22		-	-	-	6.62E+07	0.80	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.01E+08	0.76	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	2.76E+07	1.20	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.79E+07	n/a	-	1.10	96.1
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.25E+07	1.63	Y	0.79	119
CS 12346-PeCDF	31.82		1.2486	1.2490	+0.6	8.76E+07	1.60	Y	0.87	99.8
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.59E+07	0.53	Y	1.21	98.6
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.78E+07	0.45	Y	0.89	96.7
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.79E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.25E+07	1.63	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2490	+0.6	8.76E+07	1.60	Y	0.99	108
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.59E+07	0.53	Y	0.87	107
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.78E+07	0.45	Y	0.87	109
AS 1368-TCDD	23.92		0.8792	0.8789	-0.5	6.68E+07	0.79	Y	1.00	101
AS 1368-TCDF	21.74		0.8532	0.8532	0	1.14E+08	0.77	Y	1.20	93.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	17.1	17.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	14	14.5	Original Values	Corrected Values
Total HxCDD	39.9	40.6	Ratio 0.45	0.75
Total HpCDD	127	127	Response 5.99E+04	4.32E+04
Total Tetra-Octa Dioxins	626	627		
Total TCDF	15.2	16.7		
Total PeCDF	9.08	10.9		
Total HxCDF	15.4	15.6		
Total HpCDF	26.2	26.8		
Total Tetra-Octa Furans	89	93.1		
Total Tetra-Octa Dioxins & Furans	715	720		

SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

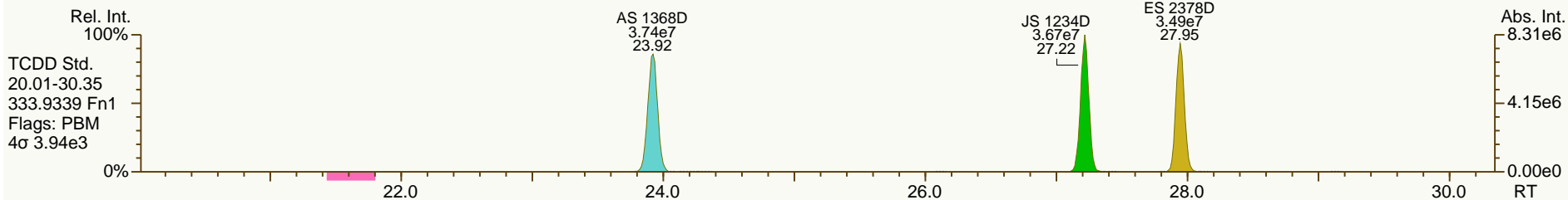
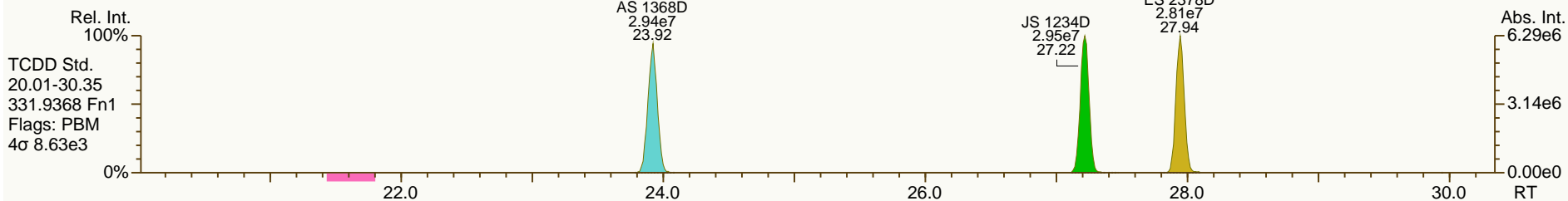
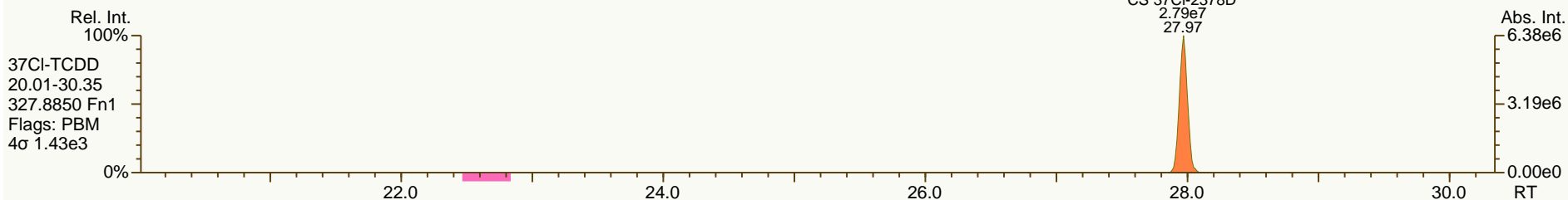
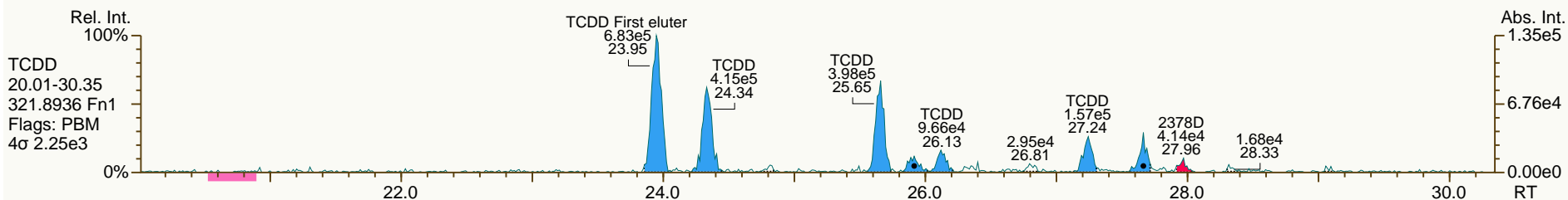
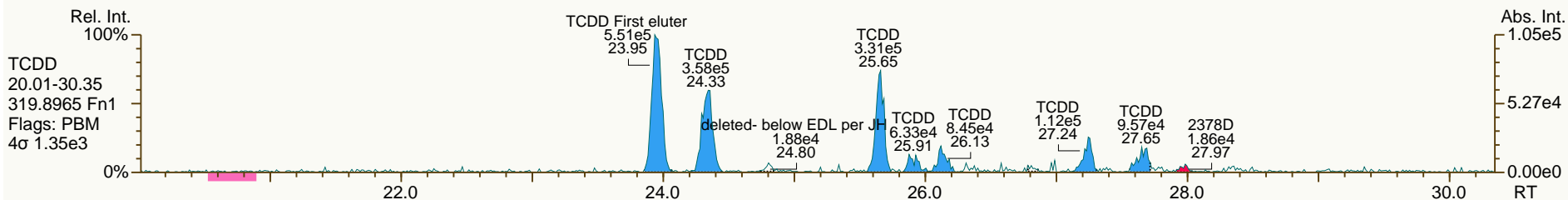
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

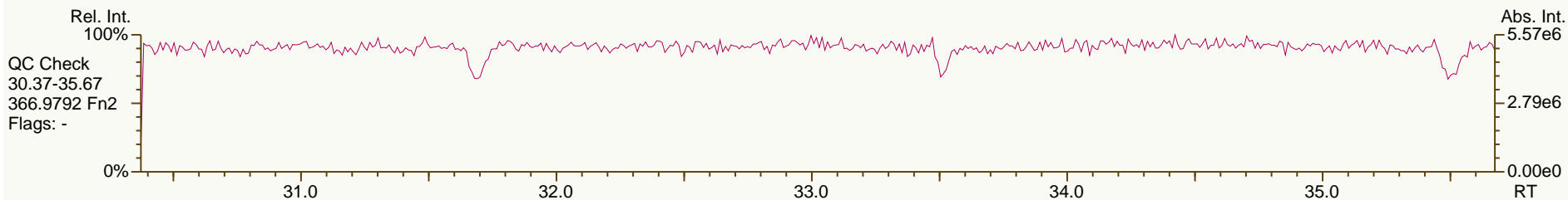
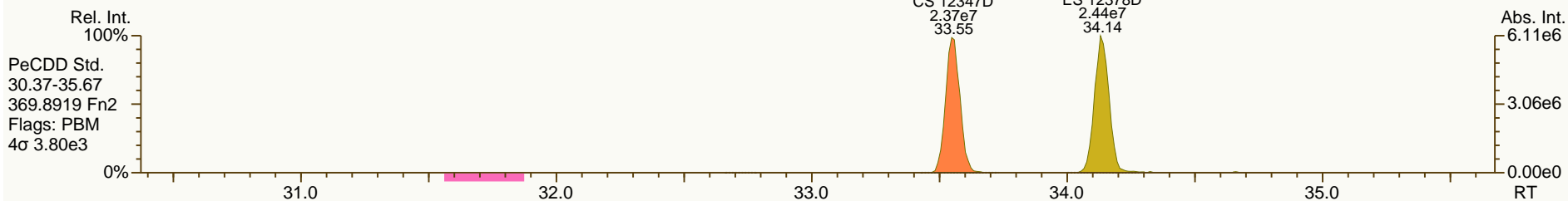
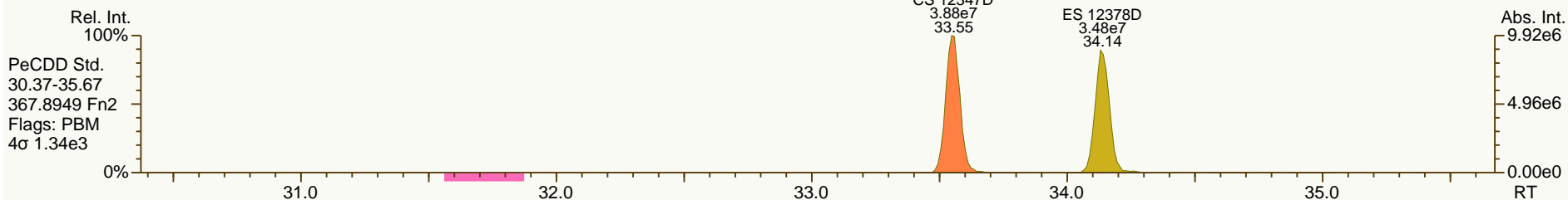
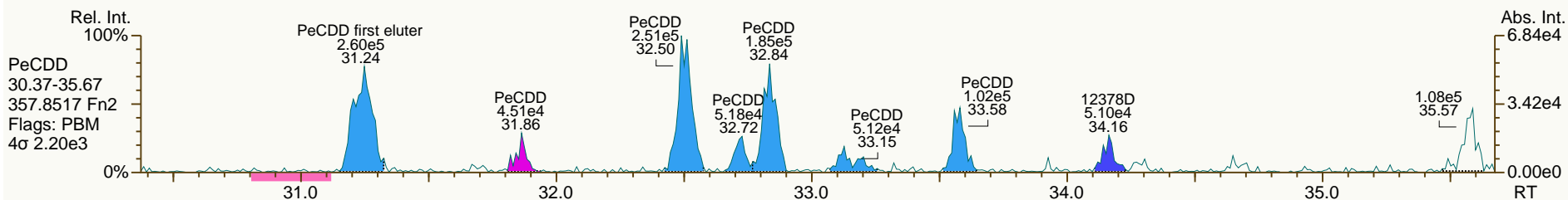
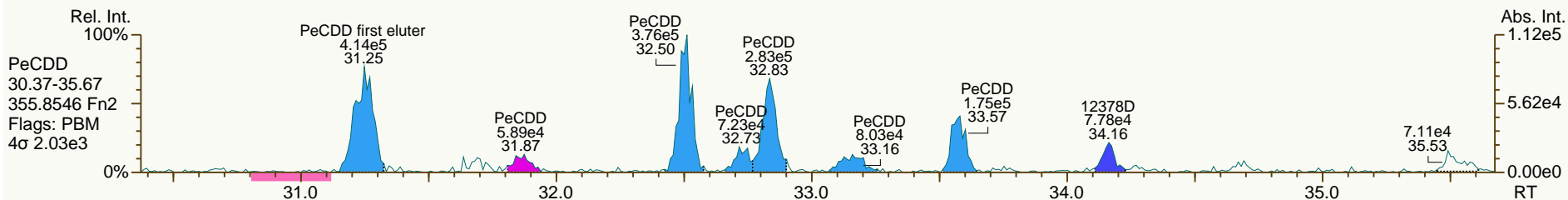
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

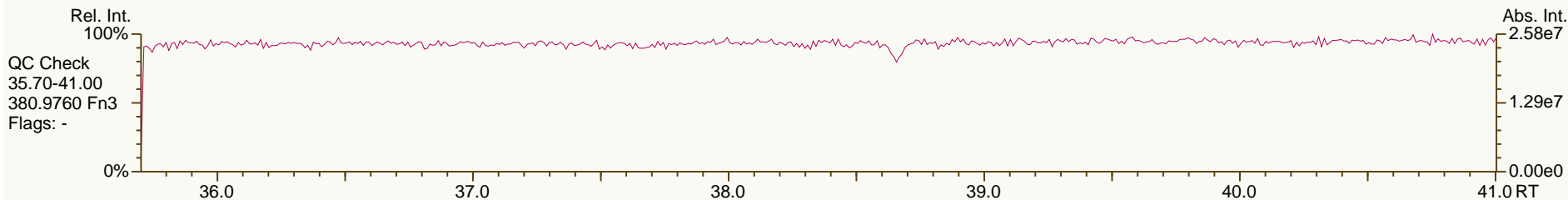
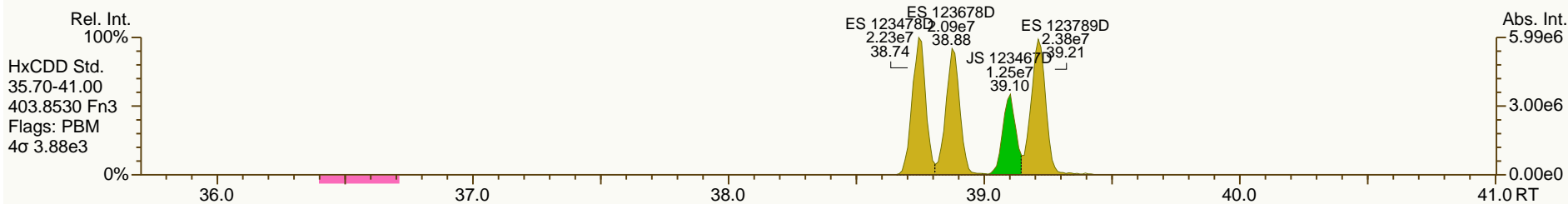
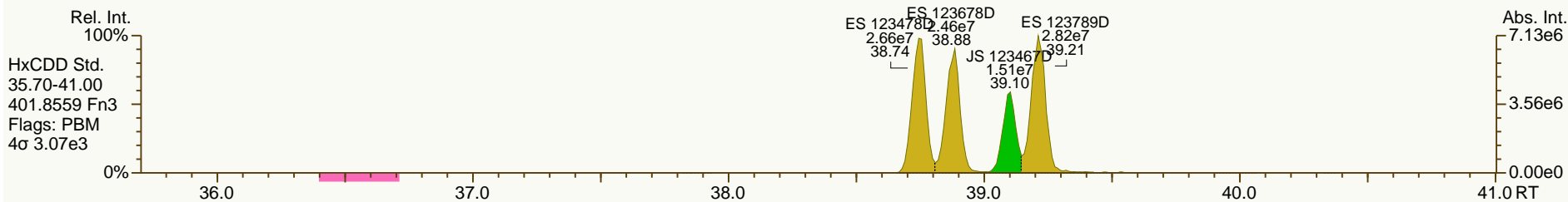
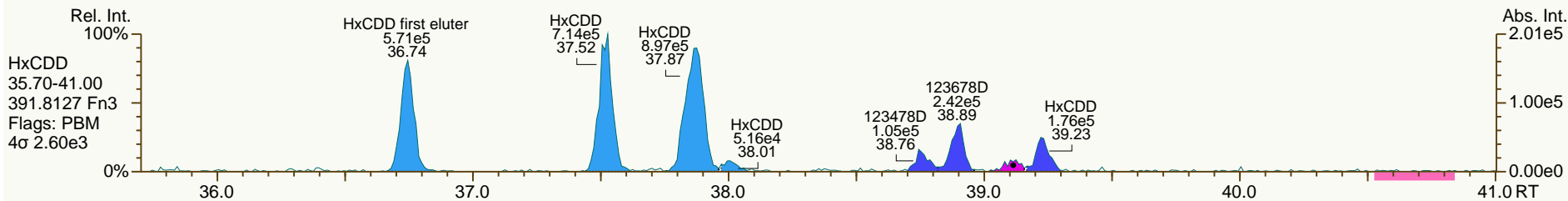
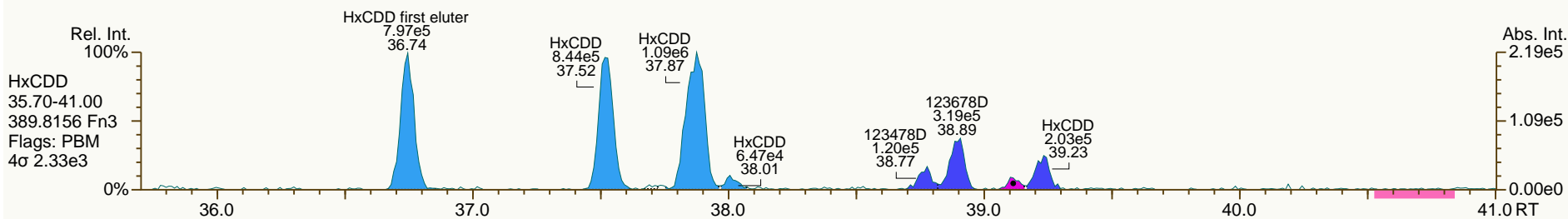
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

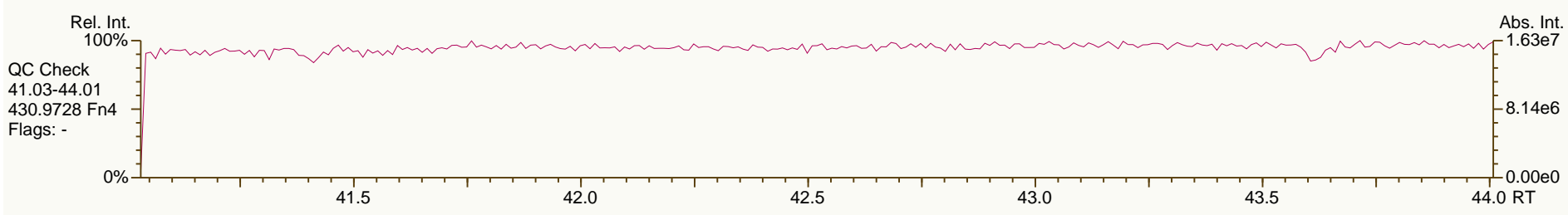
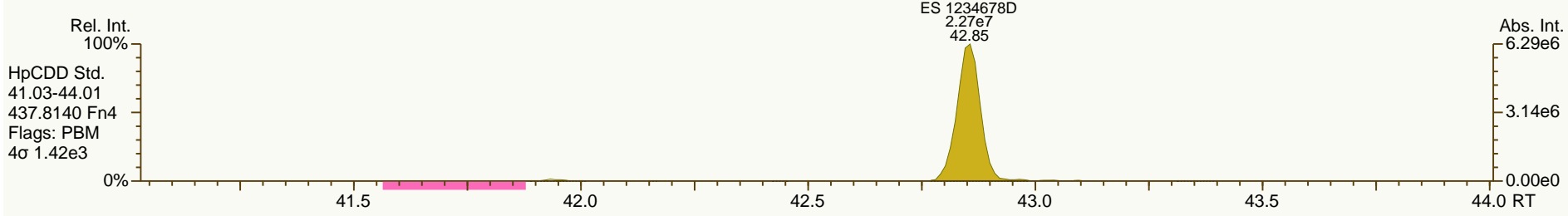
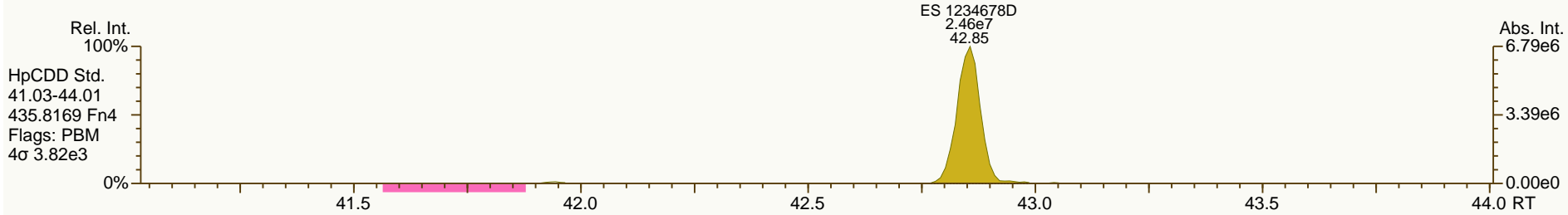
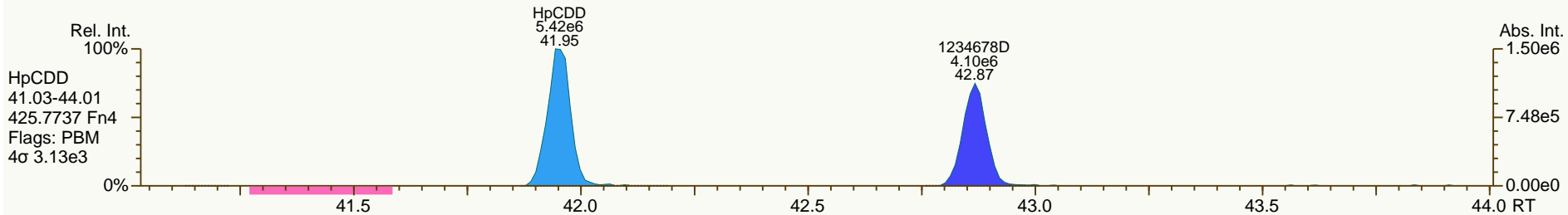
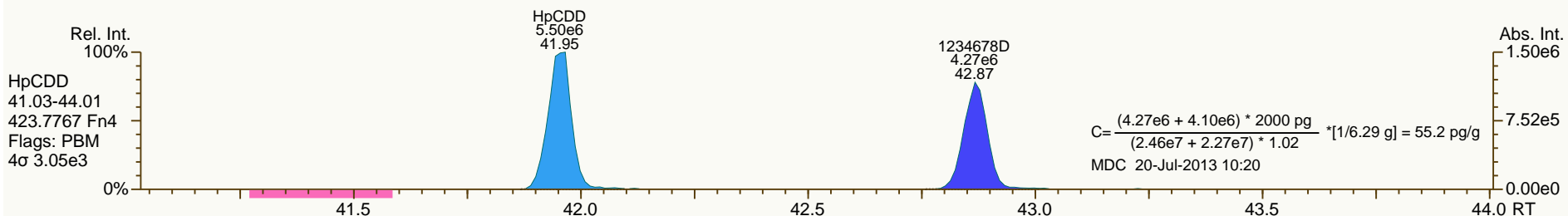
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

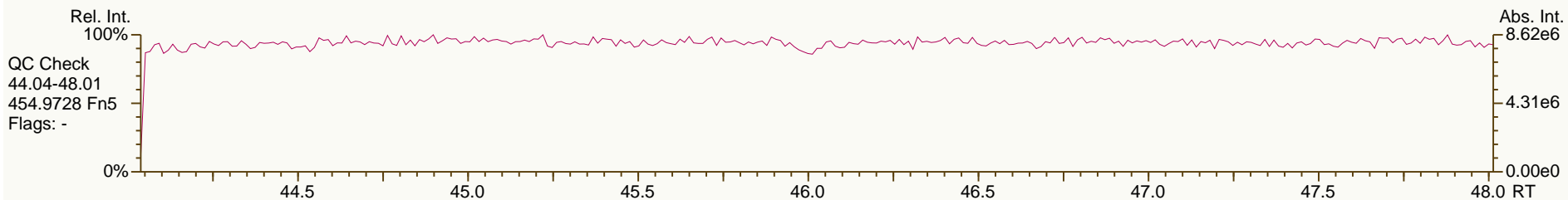
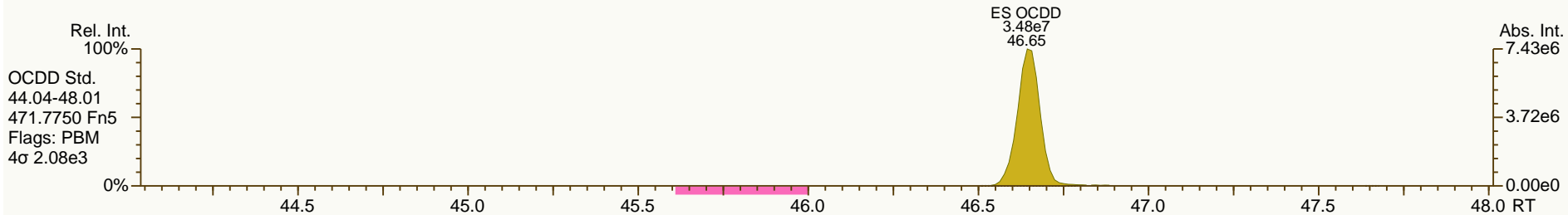
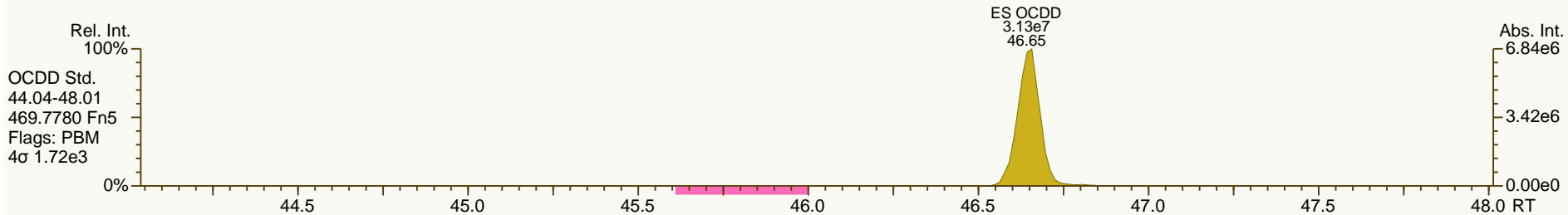
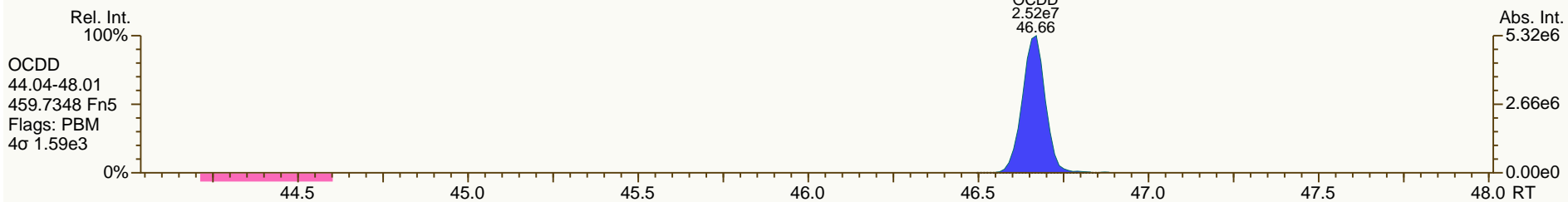
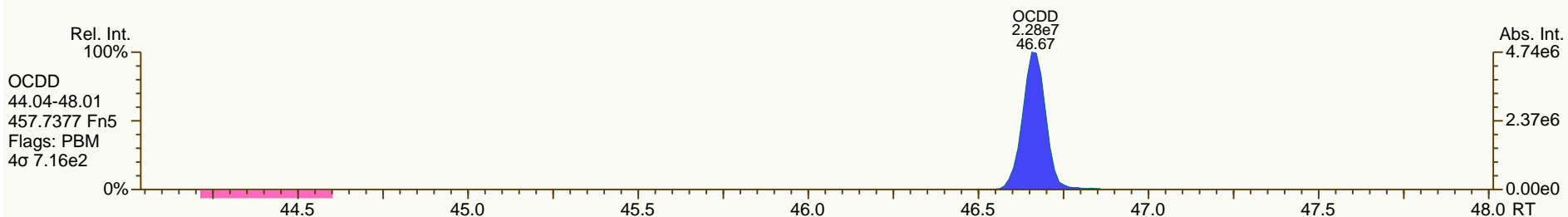
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

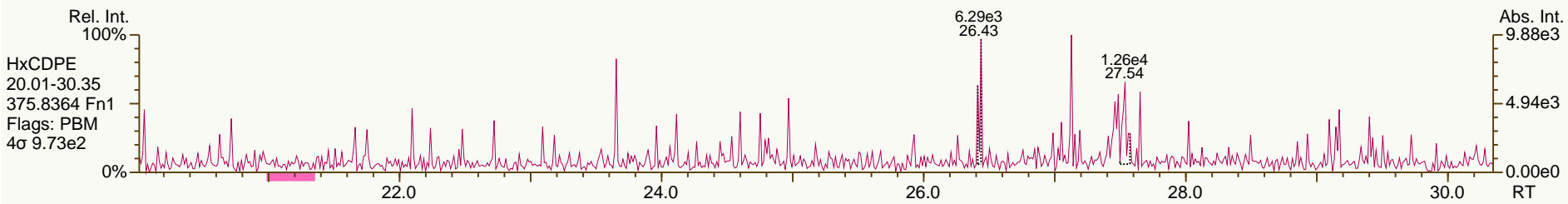
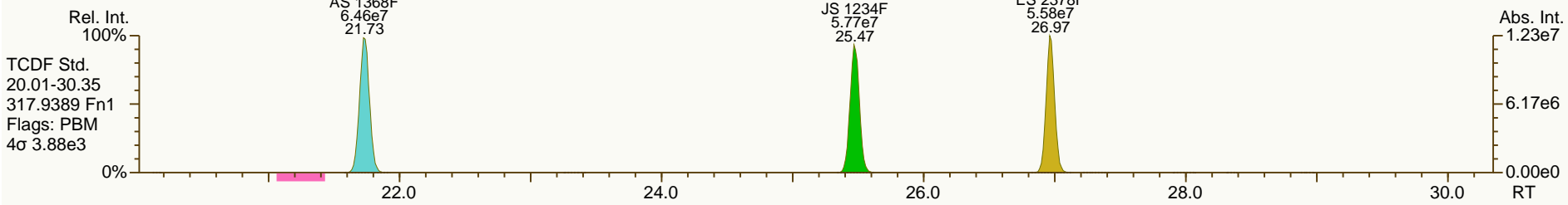
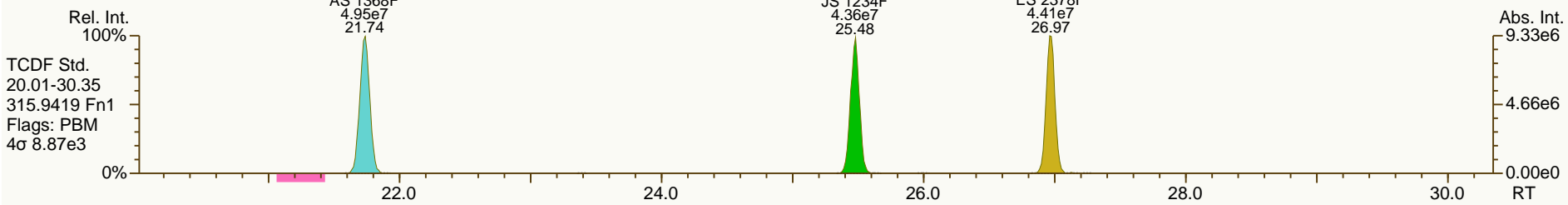
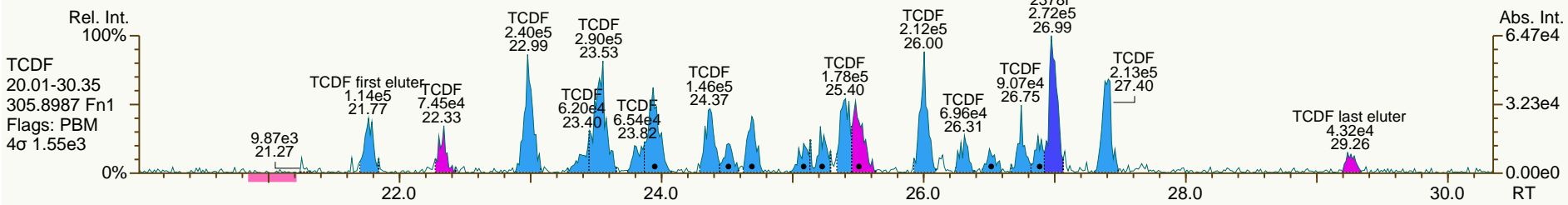
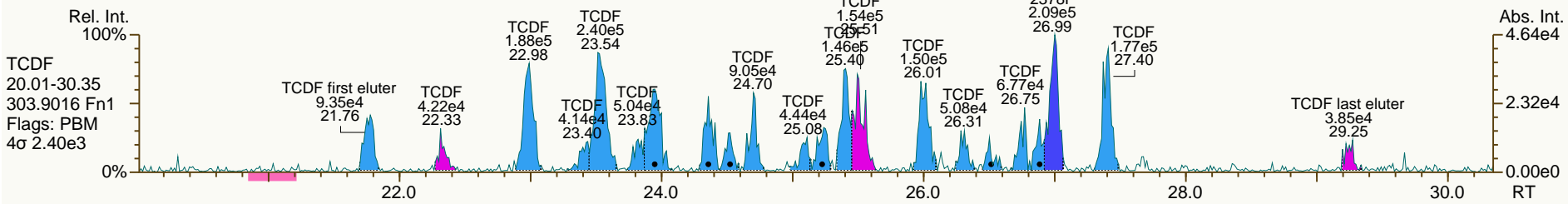
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

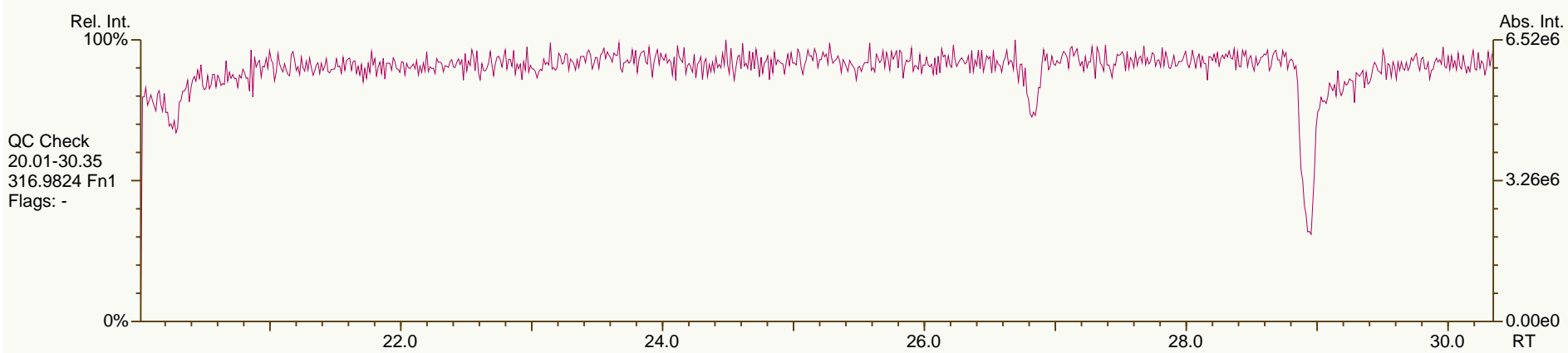
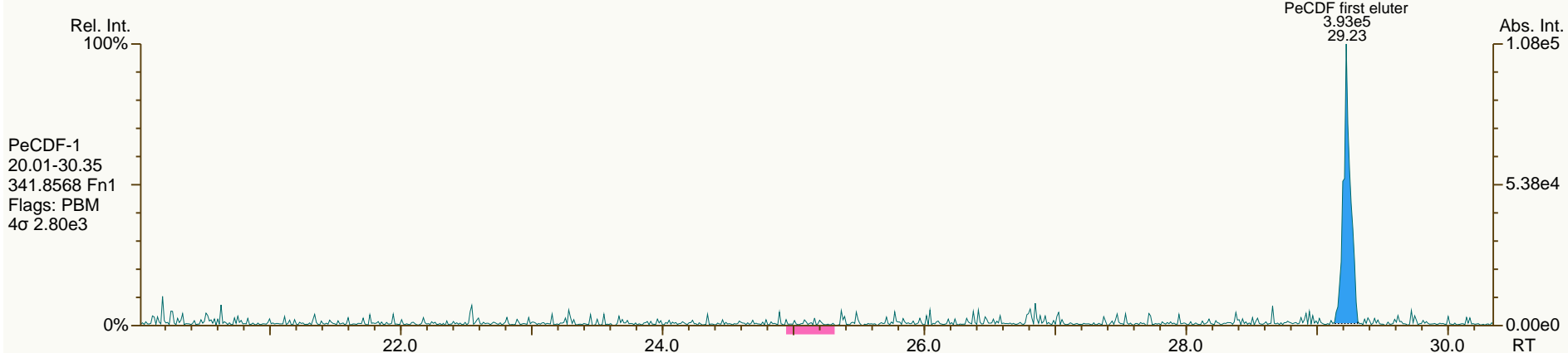
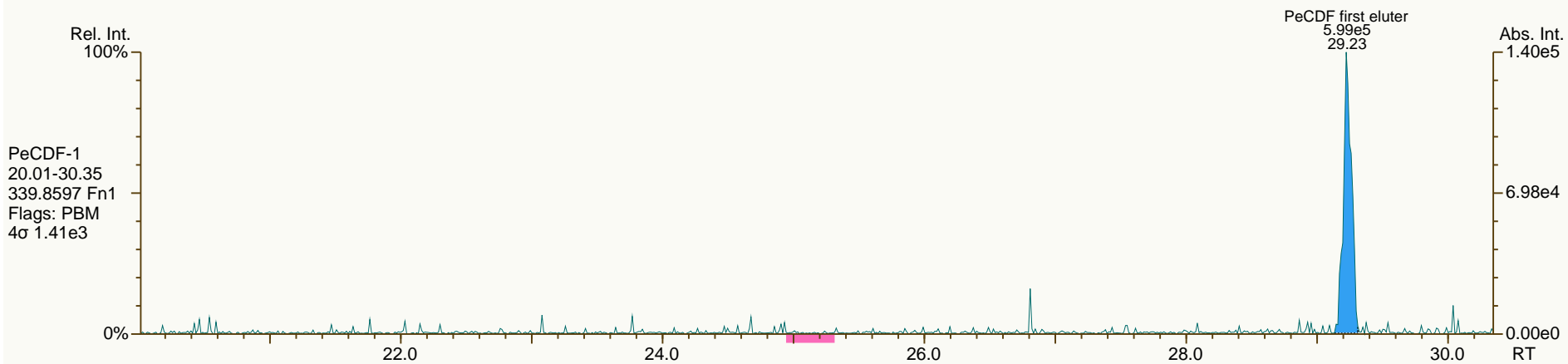
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

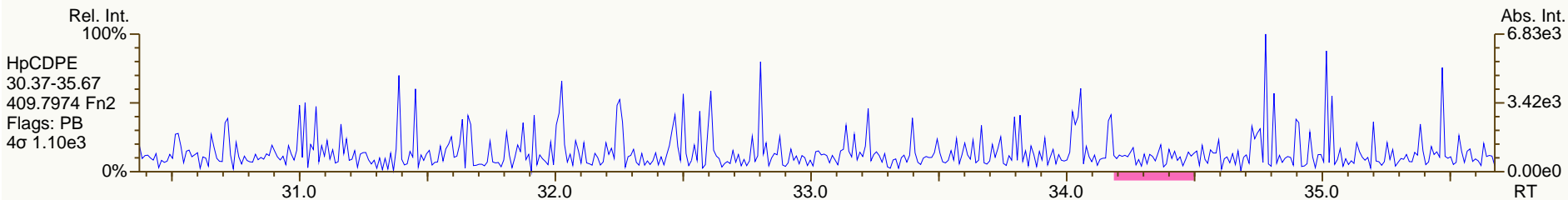
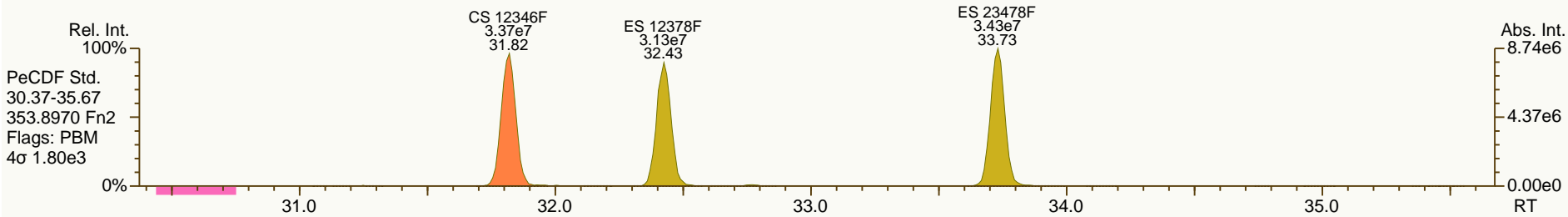
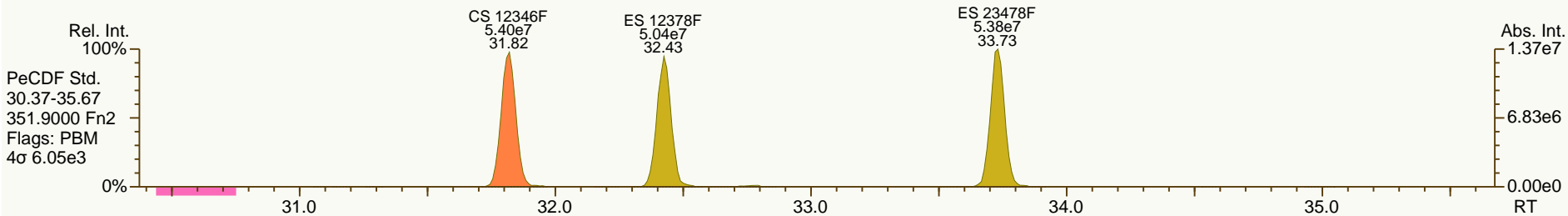
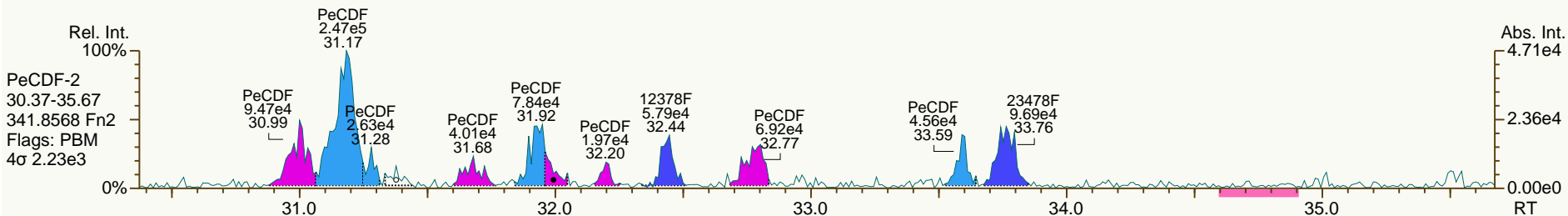
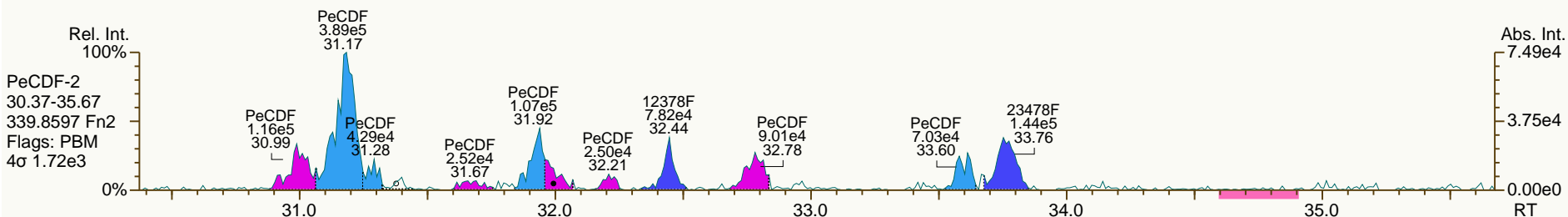
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 User: MDC Datafile: 130718P1-05



SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

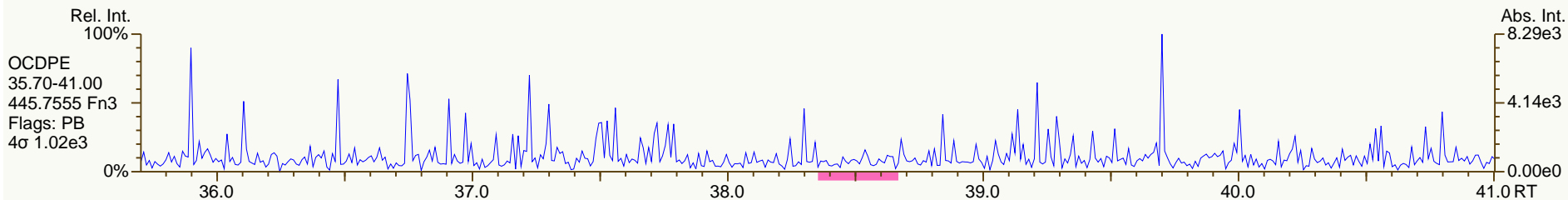
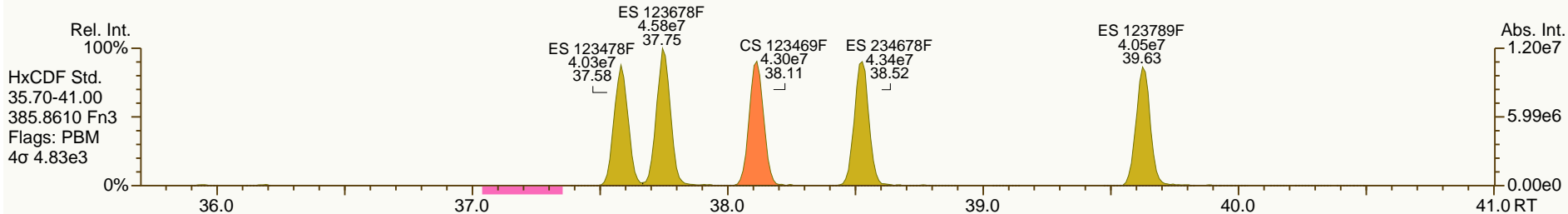
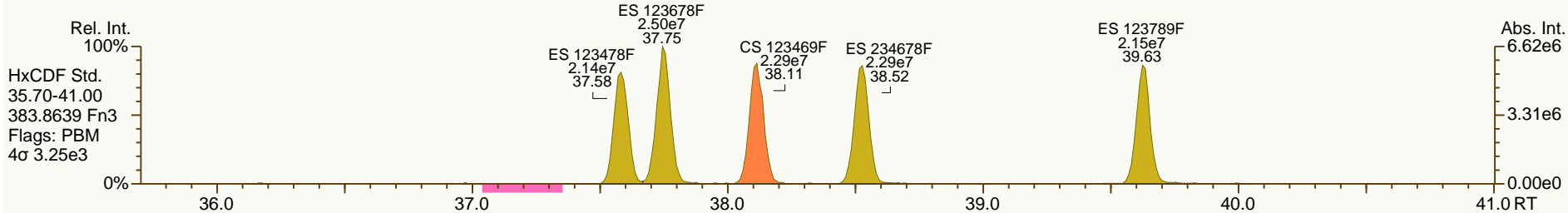
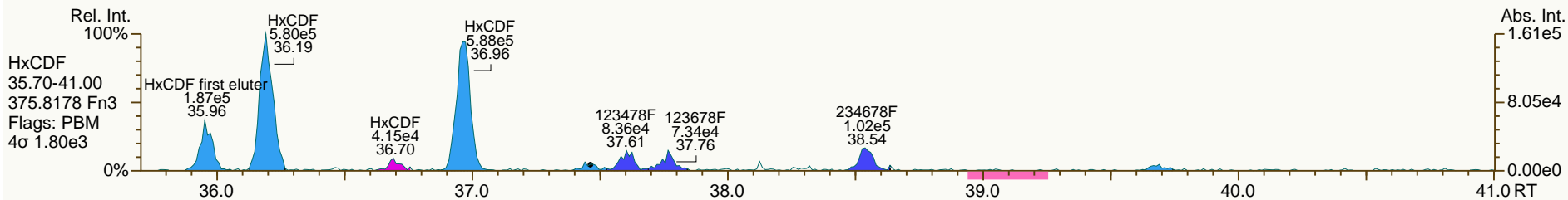
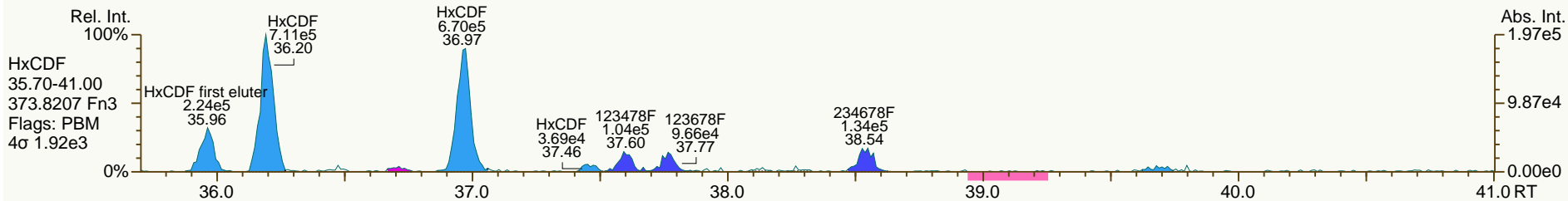
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

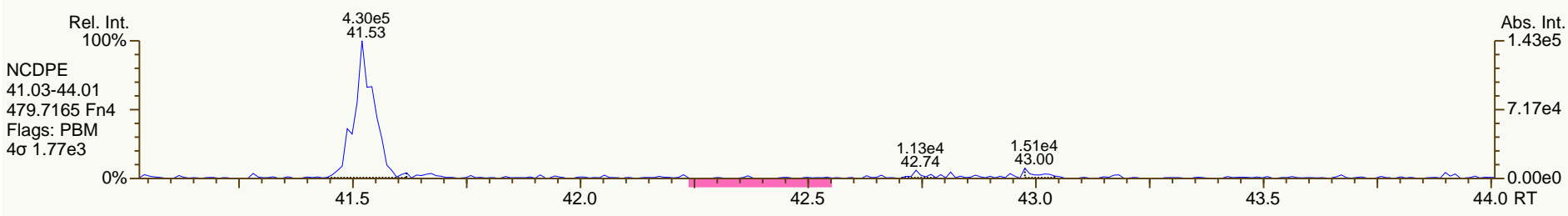
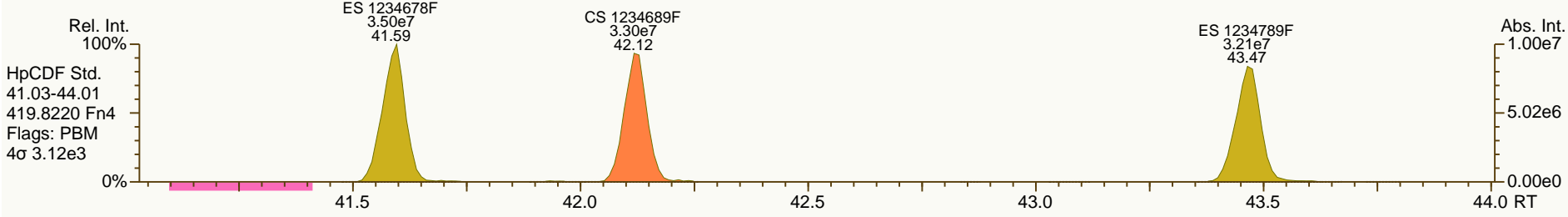
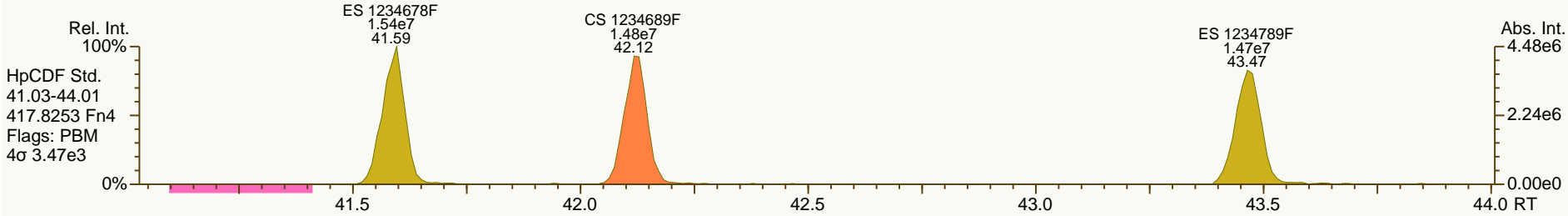
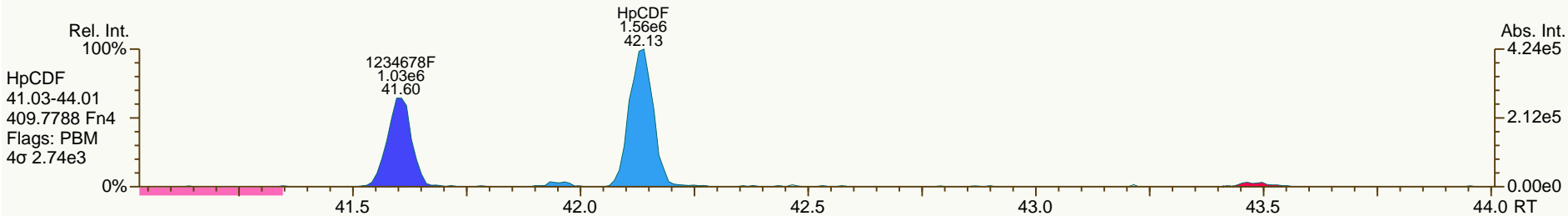
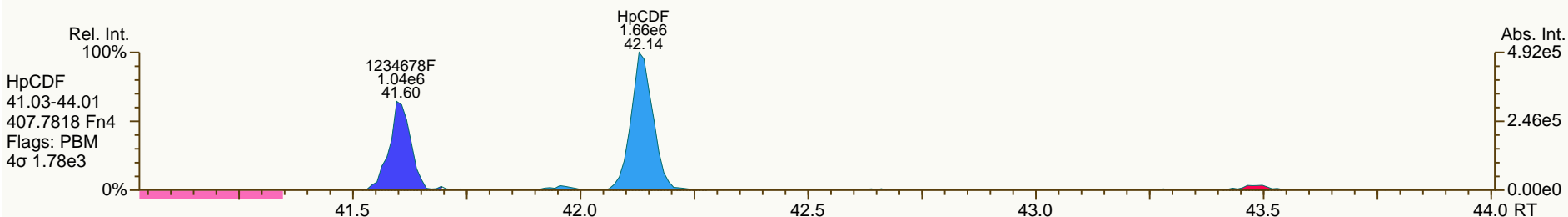
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

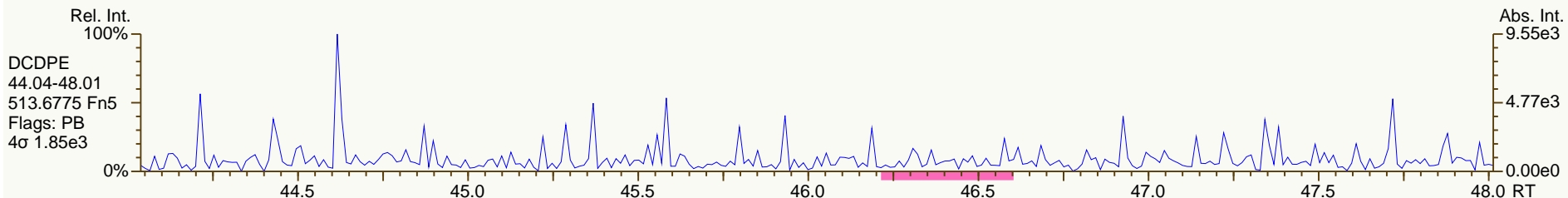
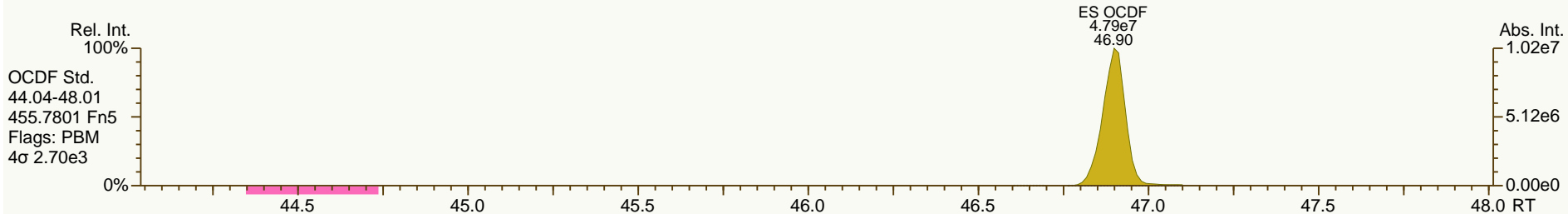
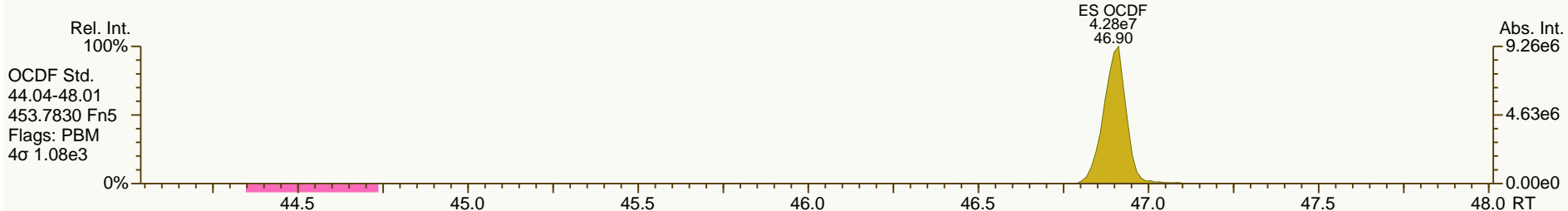
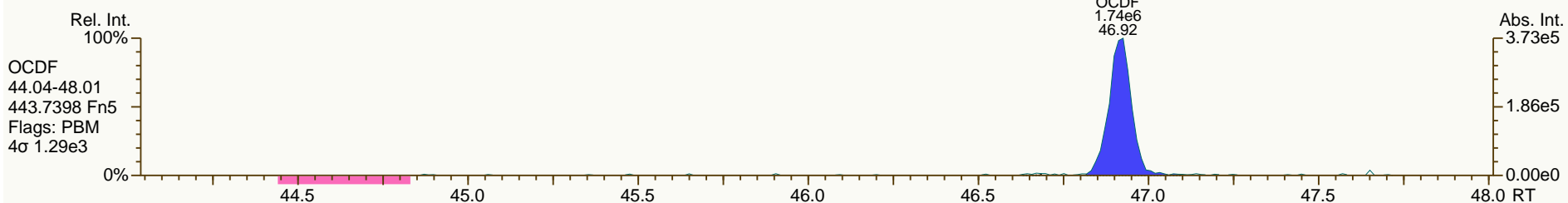
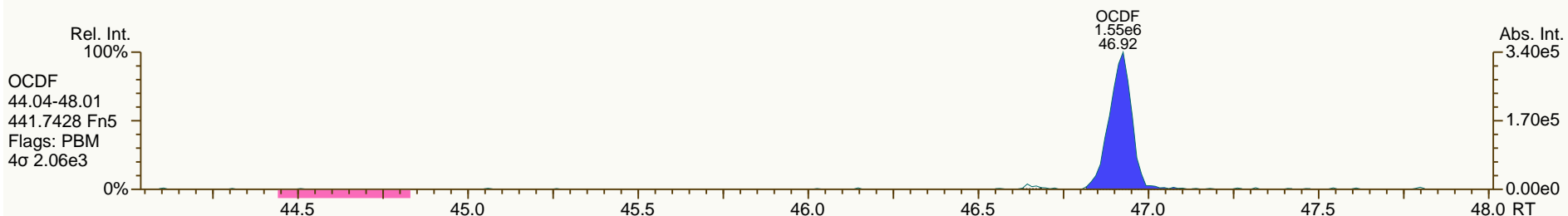
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SGS-AP ID: A5698_11123_DF_004
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-211-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 18-JUL-2013 15:52:27
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Lab ID: A5698_11123_DF_005

Acq'd: 18 Jul 2013 16:45 MDC

Wt/Vol: 5.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-214-130429

UTP: 20-Jul-2013 10:00 MDC

J-level: 0.914 pg/g

Split: 1

Checkcode: 752-903-JXX

Datafile: 130718P1-06

Report: 20 Jul 2013 10:00 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	1.97E+05	0.71	Y	1.06	0.872	3302	0.164
12378-PeCDD	34.16		1.0006	1.0006	0	4.55E+05	1.74	Y	0.94	2.35	4716	0.237
123478-HxCDD	38.76		1.0004	1.0005	+0.2	7.19E+05	1.26	Y	1.02	4.06	5379	0.299
123678-HxCDD	38.89		1.0039	1.0038	-0.2	1.95E+06	1.24	Y	1.04	11.4	5379	0.304
123789-HxCDD	39.22		1.0125	1.0125	0	1.62E+06	1.26	Y	0.98	9.07	5379	0.299
1234678-HpCDD	42.87		1.0004	1.0004	0	3.11E+07	1.03	Y	1.02	177	4646	0.254
OCDD	46.67		1.0003	1.0003	0	1.54E+08	0.90	Y	1.08	1,150	3146	0.278
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.30E+06	0.74	Y	0.97	3.96	3562	0.131
12378-PeCDF	32.44		1.0006	1.0005	-0.2	3.94E+05	1.42	Y	1.00	1.34	4696	0.16
23478-PeCDF	33.76		1.0006	1.0010	+0.8	7.96E+05	1.48	Y	0.96	2.68	4696	0.153
123478-HxCDF	37.60		1.0005	1.0004	-0.2	6.75E+05	1.27	Y	1.23	2.54	5488	0.202
123678-HxCDF	37.76		1.0005	1.0004	-0.2	5.76E+05	1.15	Y	1.14	2.06	5488	0.2
234678-HxCDF	38.54		1.0005	1.0005	0	7.00E+05	1.27	Y	1.14	2.65	5488	0.211
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5488	0.195
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	7.95E+06	1.06	Y	1.34	31.9	4956	0.184
1234789-HpCDF	43.48		1.0003	1.0003	0	4.77E+05	1.16	Y	1.30	2.19	4956	0.228
OCDF	46.92		1.0004	1.0004	0	1.48E+07	0.90	Y	1.00	91	3046	0.212

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0268	0	7.78E+07	0.78	Y	1.01	92
ES 12378-PeCDD	34.14	1.2541	1.2542	+0.2	7.55E+07	1.55	Y	0.90	101
ES 123478-HxCDD	38.74	0.9910	0.9910	0	6.32E+07	1.22	Y	0.99	92.1
ES 123678-HxCDD	38.87	0.9944	0.9944	0	6.04E+07	1.24	Y	1.02	85.5
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	6.67E+07	1.18	Y	1.12	86.7
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	6.27E+07	1.06	Y	0.90	101
ES OCDD	46.65	1.1930	1.1933	+0.7	9.07E+07	0.90	Y	0.74	88.6
ES 2378-TCDF	26.97	1.0586	1.0585	-0.2	1.23E+08	0.72	Y	1.05	89.9
ES 12378-PeCDF	32.42	1.2725	1.2725	0	1.07E+08	1.51	Y	0.88	94
ES 23478-PeCDF	33.73	1.3237	1.3237	0	1.12E+08	1.55	Y	0.91	95.1
ES 123478-HxCDF	37.58	0.9613	0.9613	0	7.89E+07	0.53	Y	1.25	91.4
ES 123678-HxCDF	37.75	0.9655	0.9655	0	8.99E+07	0.53	Y	1.40	93
ES 234678-HxCDF	38.52	0.9853	0.9853	0	8.45E+07	0.53	Y	1.29	94.6
ES 123789-HxCDF	39.62	1.0136	1.0136	0	8.16E+07	0.53	Y	1.17	101
ES 1234678-HpCDF	41.59	1.0636	1.0638	+0.5	6.79E+07	0.44	Y	1.03	95.6
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	6.15E+07	0.44	Y	0.89	100
ES OCDF	46.90	1.1993	1.1996	+0.7	1.19E+08	0.89	Y	1.00	86.2

Lab ID: A5698_11123_DF_005

Acq'd: 18 Jul 2013 16:45 MDC

Wt/Vol: 5.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-214-130429

UTP: 20-Jul-2013 10:00 MDC

J-level: 0.914 pg/g Split: 1

Checkcode: 752-903-JXK

Datafile: 130718P1-06

Report: 20 Jul 2013 10:00 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

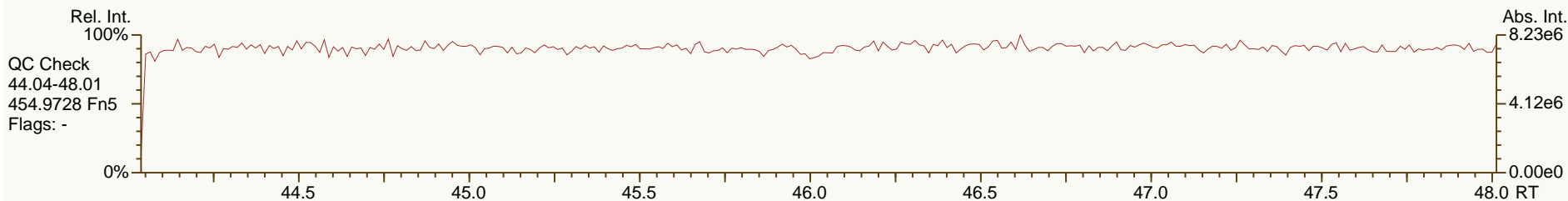
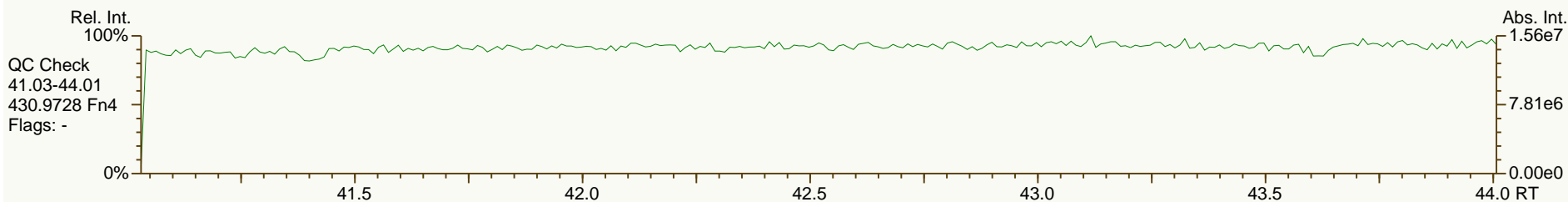
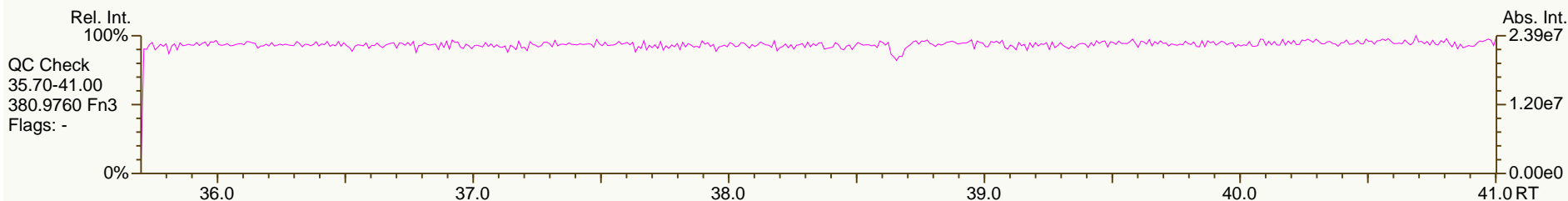
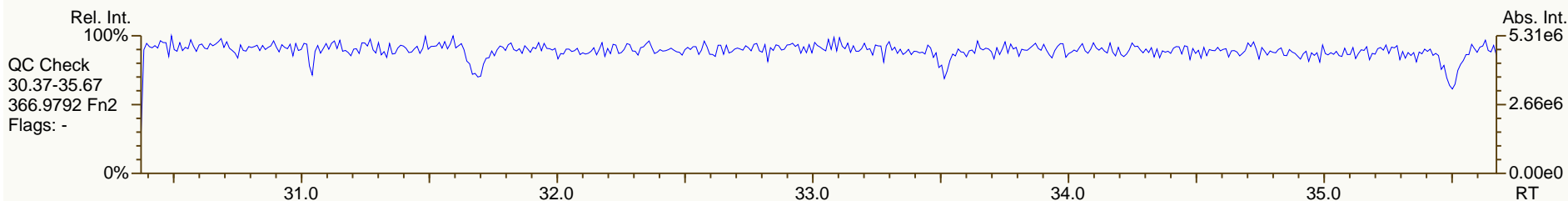
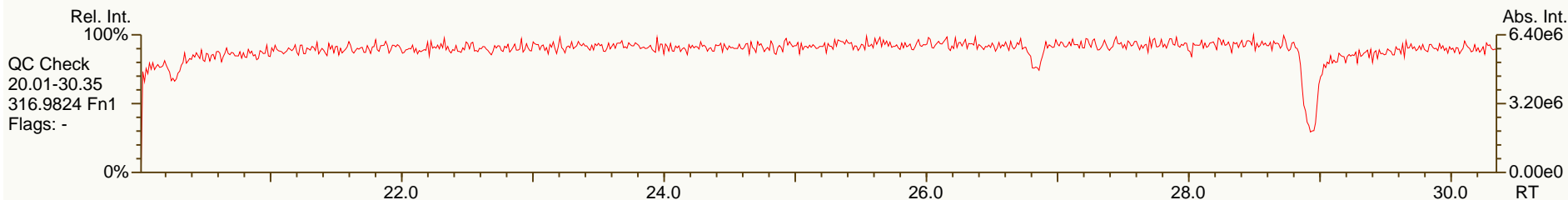
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JS 1234-TCDD	27.22		-	-	-	8.37E+07	0.80	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.30E+08	0.73	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	3.45E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.53E+07	n/a	-	1.10	96
CS 12347-PeCDD	33.55		1.2327	1.2327	0	8.00E+07	1.61	Y	0.79	120
CS 12346-PeCDF	31.82		1.2486	1.2487	+0.2	1.13E+08	1.56	Y	0.87	101
CS 123469-HxCDF	38.11		0.9749	0.9749	0	8.81E+07	0.52	Y	1.21	105
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	6.49E+07	0.45	Y	0.89	105
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.53E+07	n/a	-	1.09	104
SS 12347-PeCDD	33.55		1.2327	1.2327	0	8.00E+07	1.61	Y	0.89	119
SS 12346-PeCDF	31.82		1.2486	1.2487	+0.2	1.13E+08	1.56	Y	0.99	107
SS 123469-HxCDF	38.11		0.9749	0.9749	0	8.81E+07	0.52	Y	0.87	113
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	6.49E+07	0.45	Y	0.87	110
AS 1368-TCDD	23.93		0.8792	0.8791	-0.2	8.17E+07	0.76	Y	1.00	97.9
AS 1368-TCDF	21.75		0.8532	0.8535	+0.5	1.37E+08	0.71	Y	1.20	88
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	56.7	57.5	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	47.3	47.9	Original Values	Corrected Values
Total HxCDD	111	111	Ratio 0.60	0.71
Total HpCDD	352	352	Response 2.19E+05	1.97E+05
Total Tetra-Octa Dioxins	1720	1720		
Total TCDF	47.2	47.7		
Total PeCDF	31.9	32.2		
Total HxCDF	52.8	53.3		
Total HpCDF	90.3	90.3		
Total Tetra-Octa Furans	313	315		
Total Tetra-Octa Dioxins & Furans	2030	2030		

SGS-AP ID: A5698_11123_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

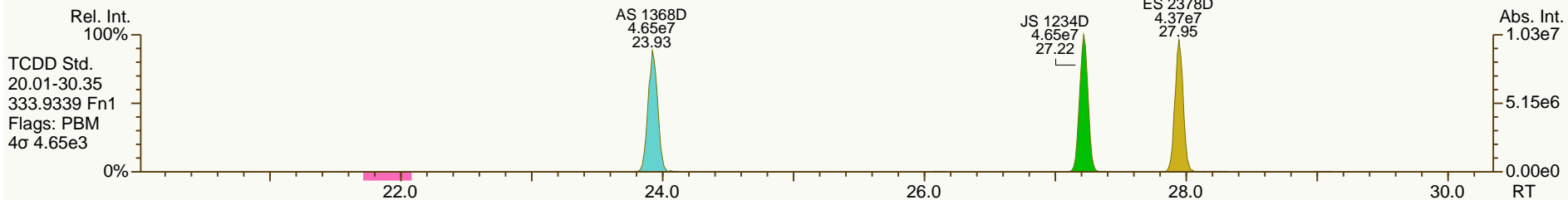
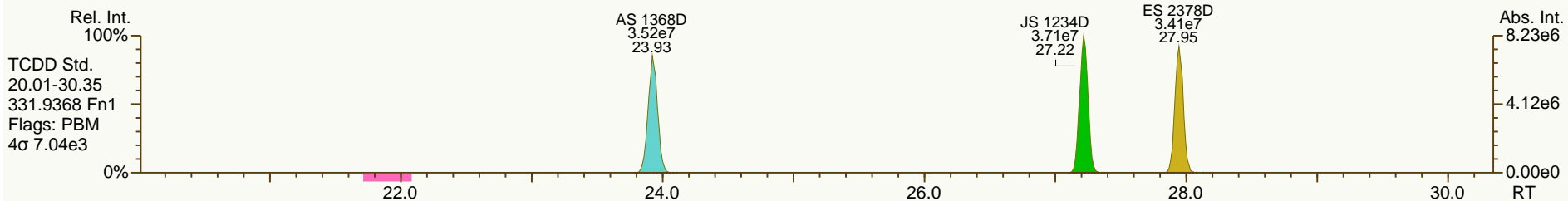
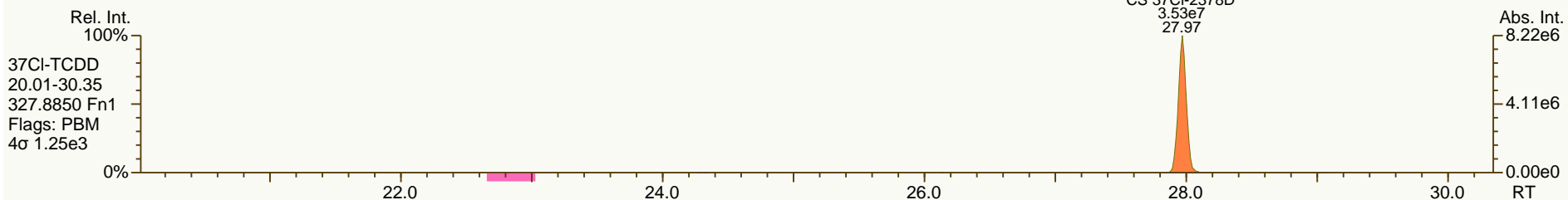
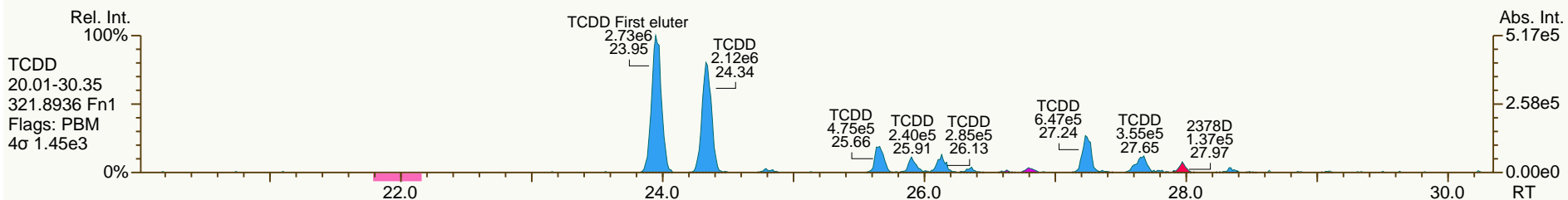
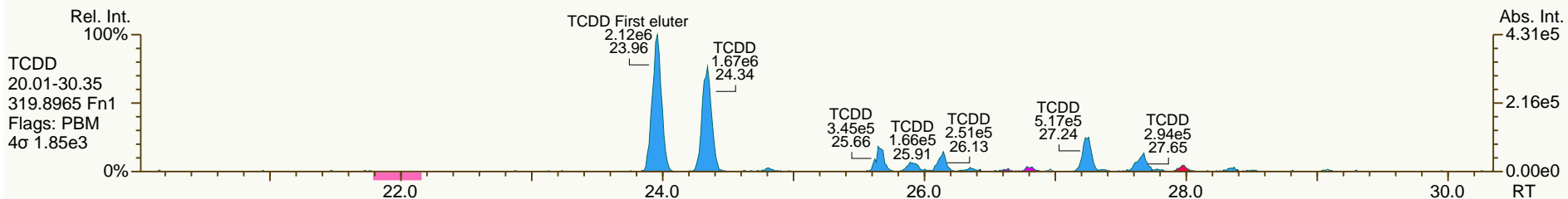
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

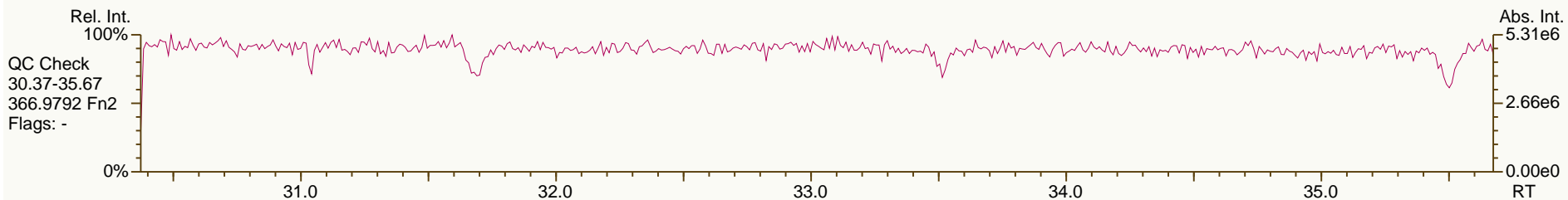
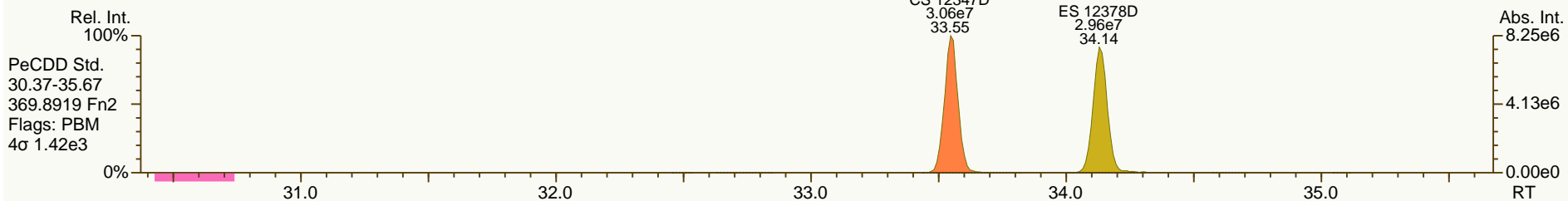
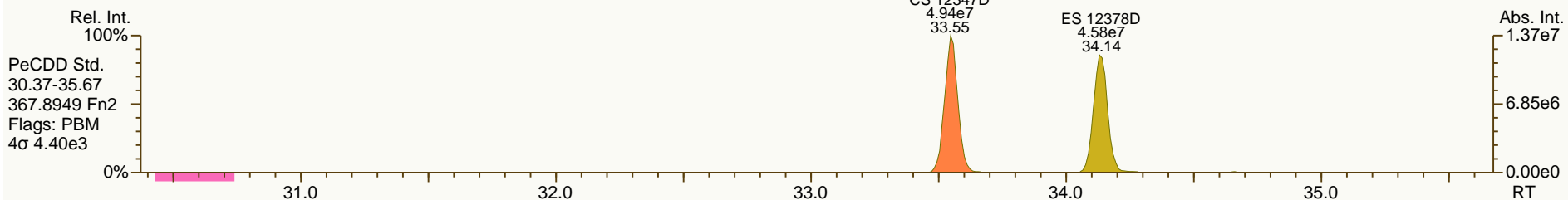
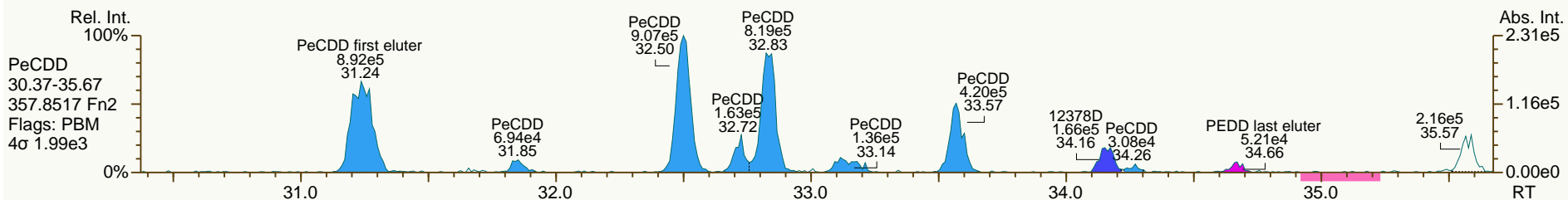
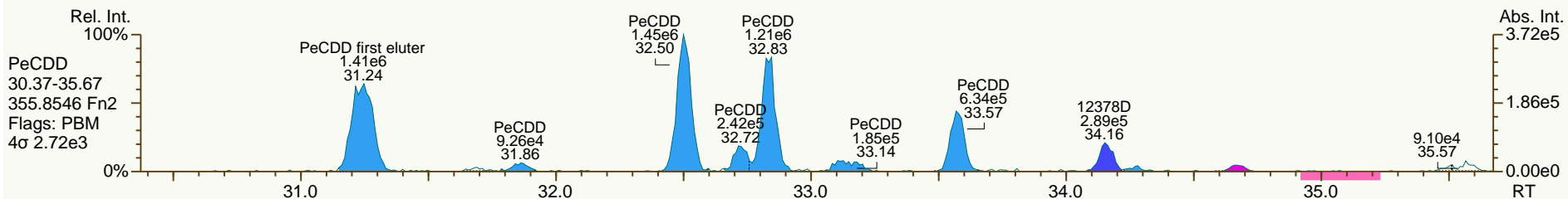
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

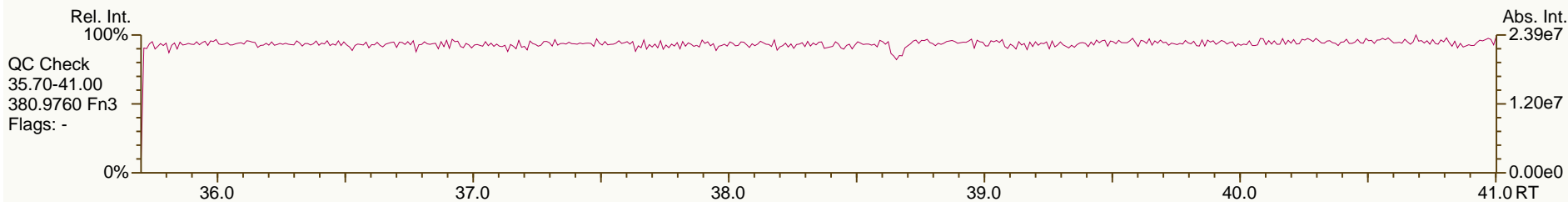
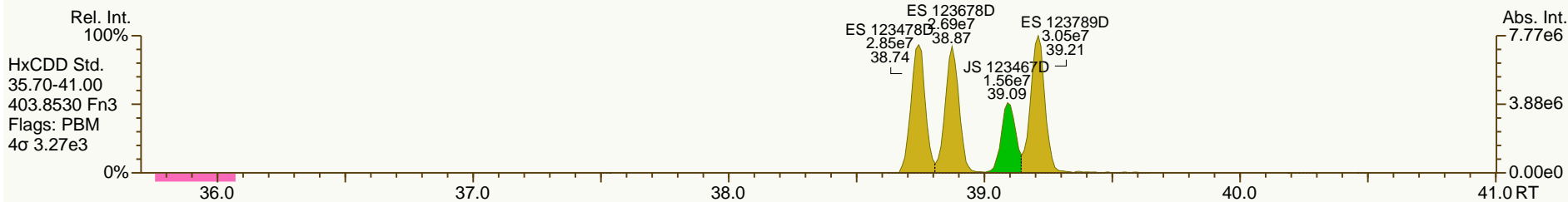
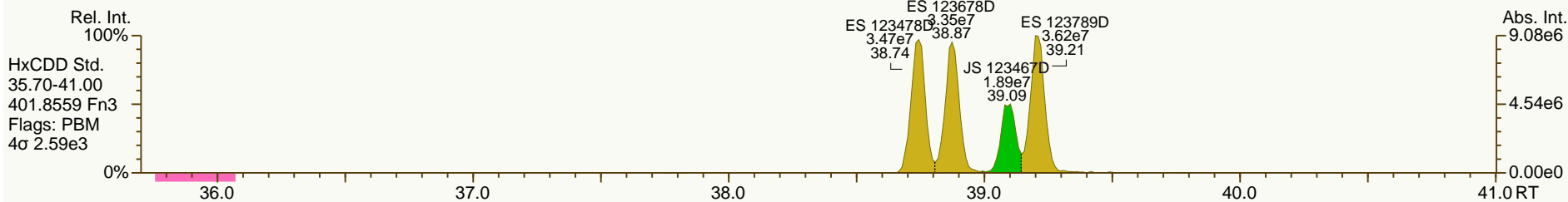
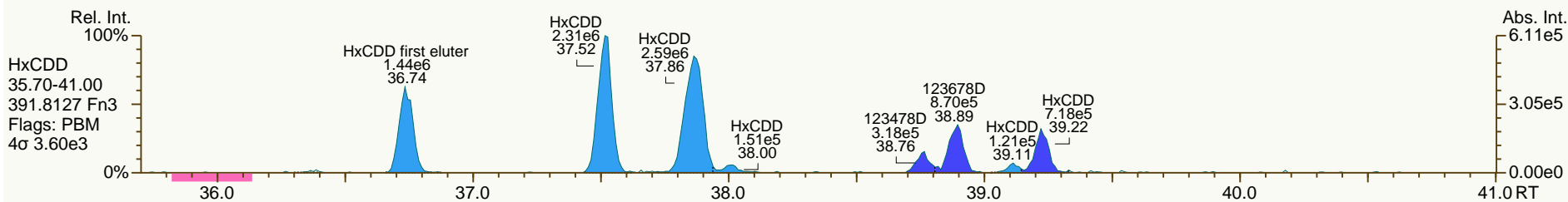
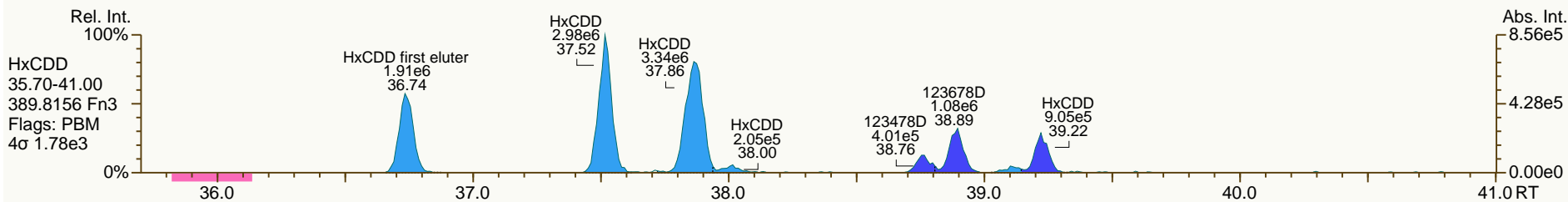
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SGS-AP ID: A5698_11123_DF_005
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Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

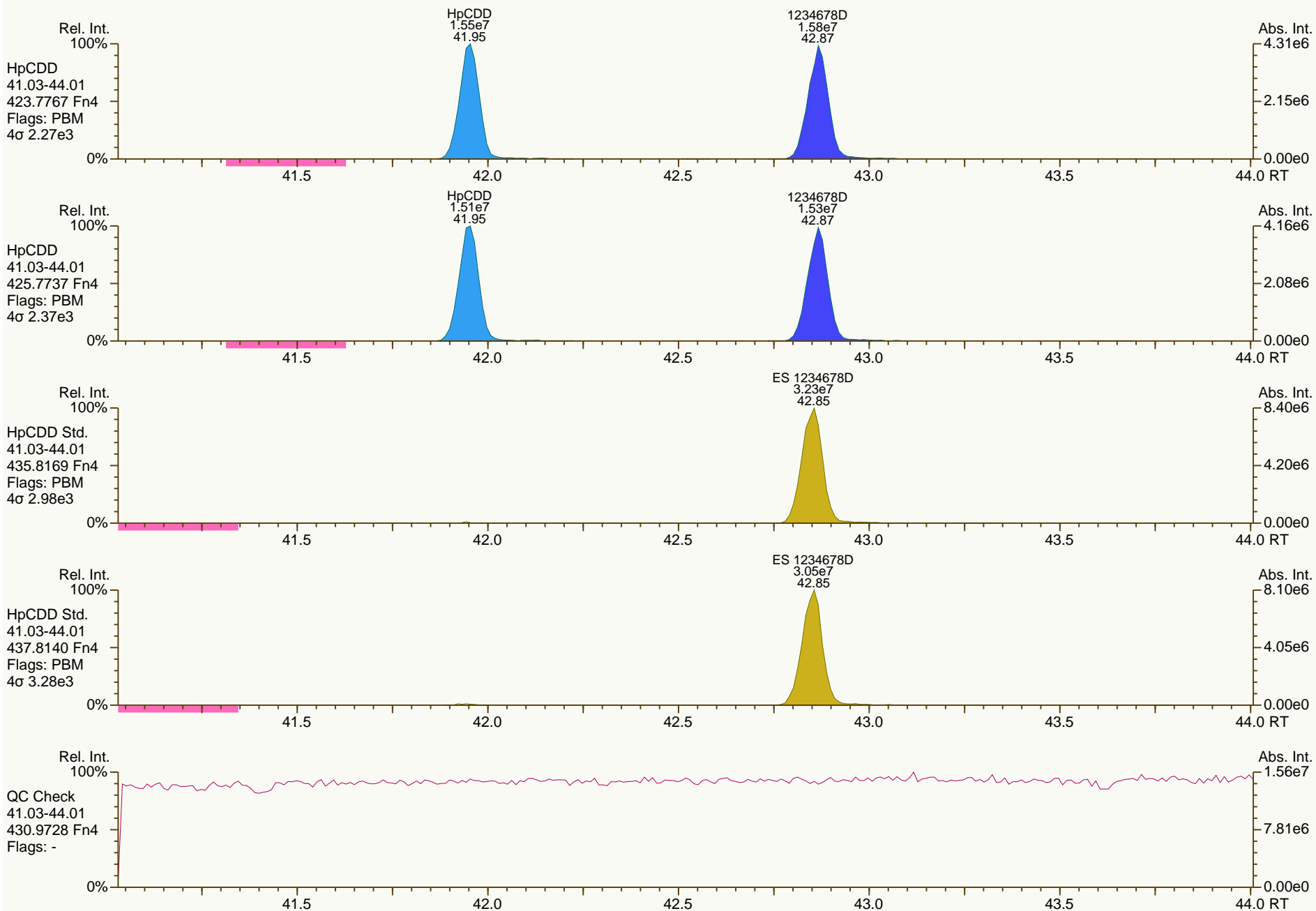
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SGS-AP ID: A5698_11123_DF_005
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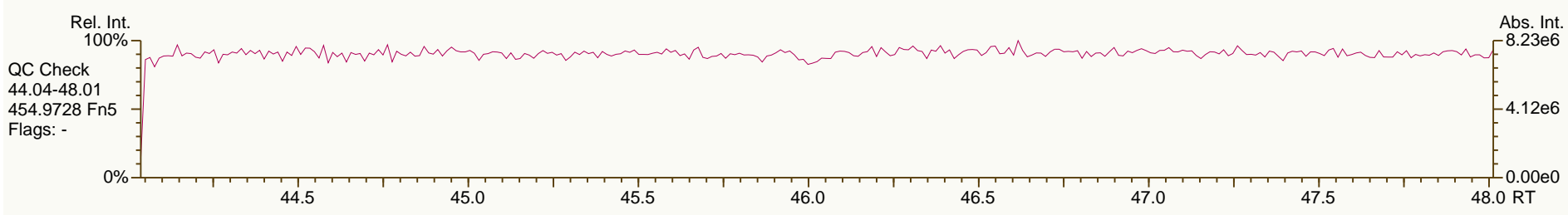
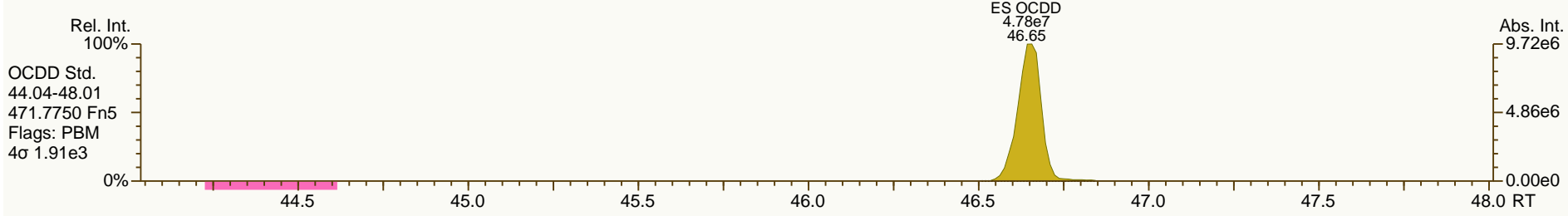
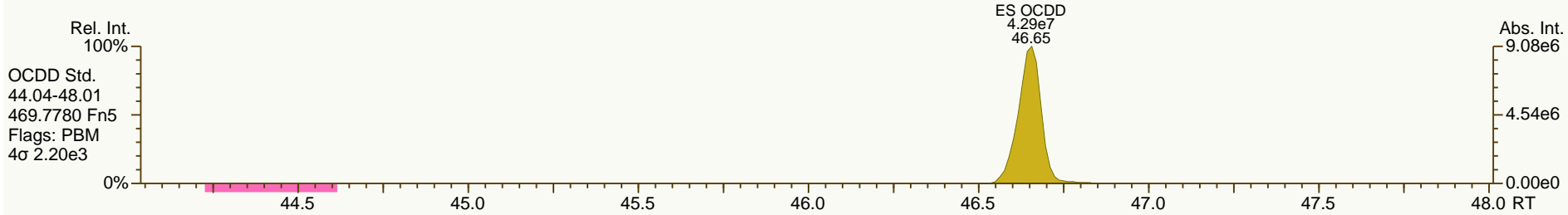
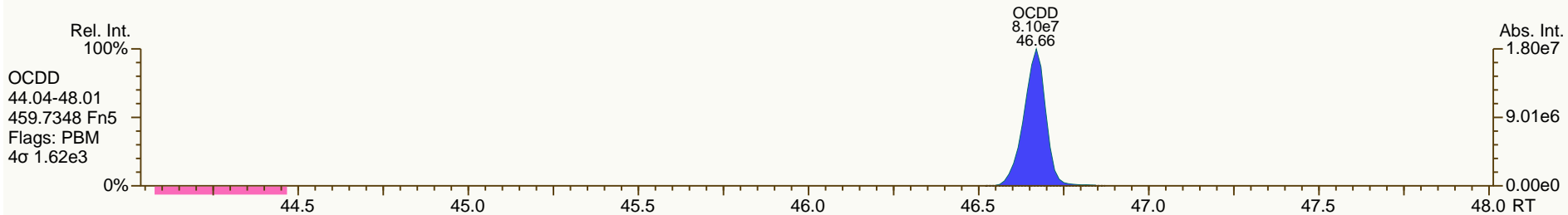
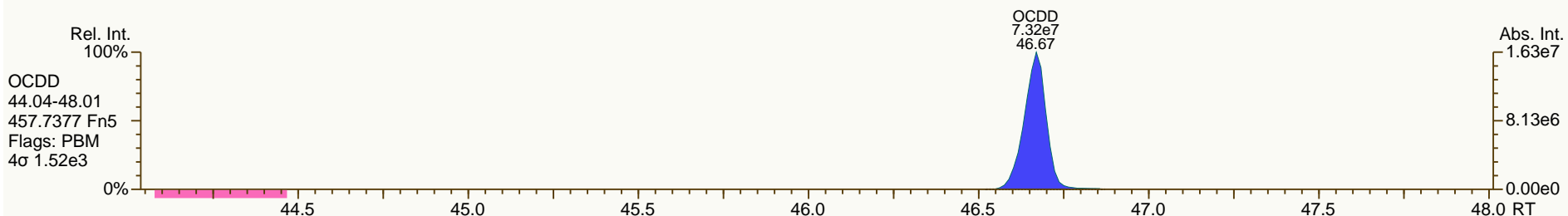
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

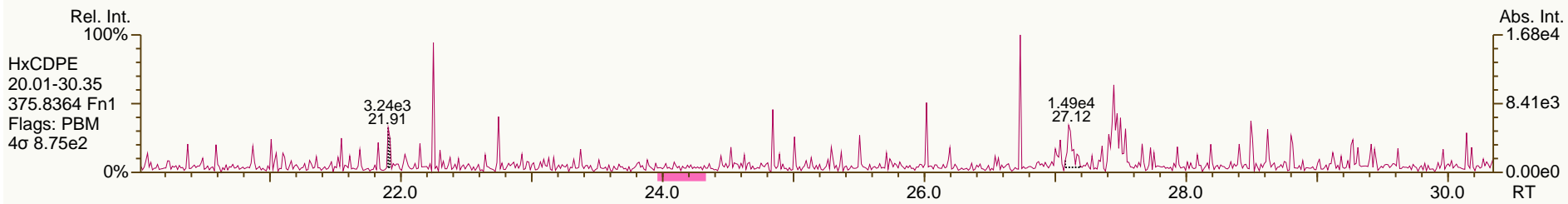
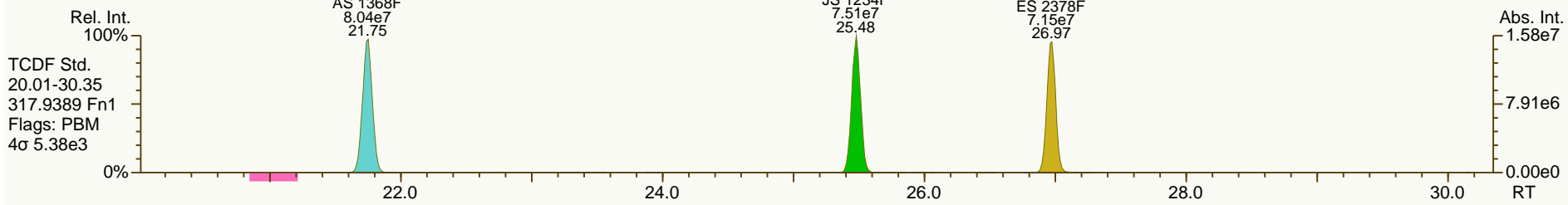
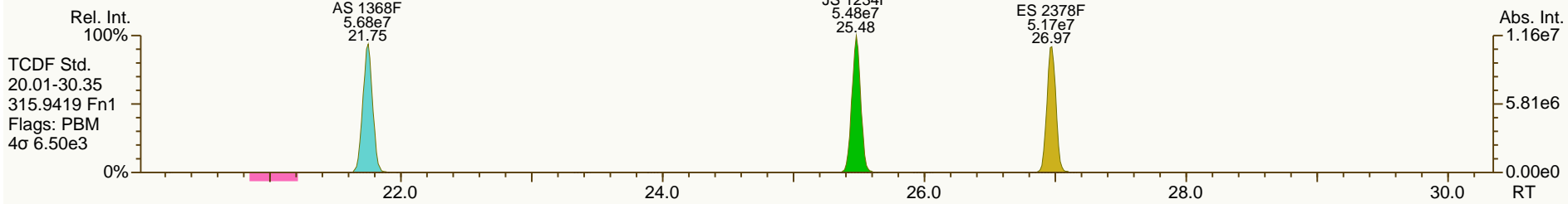
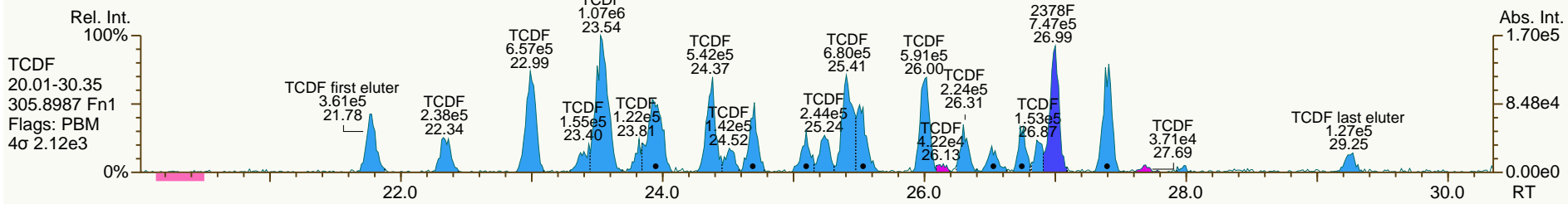
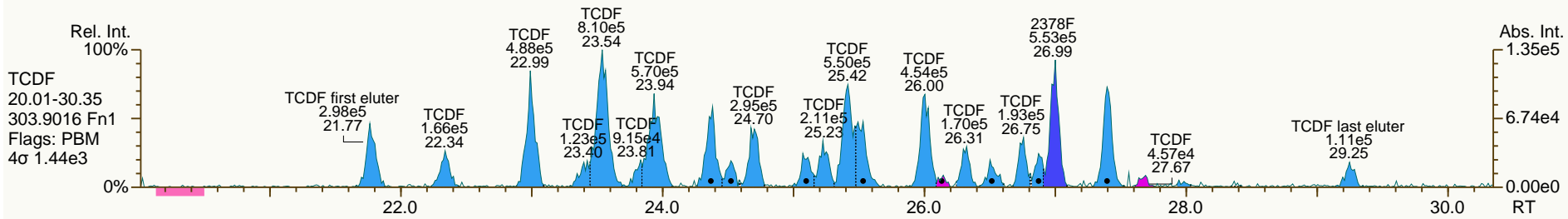
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 User: MDC Datafile: 130718P1-06



SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

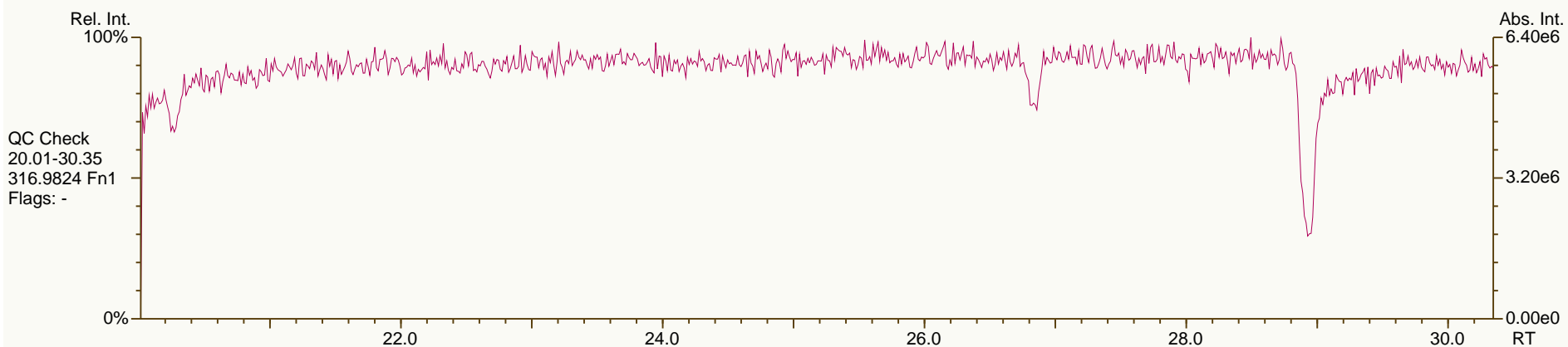
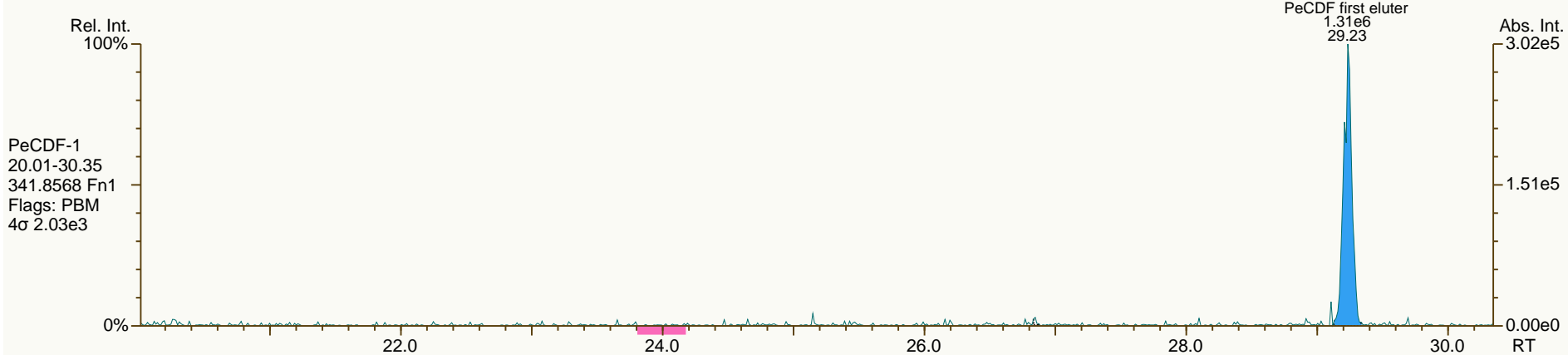
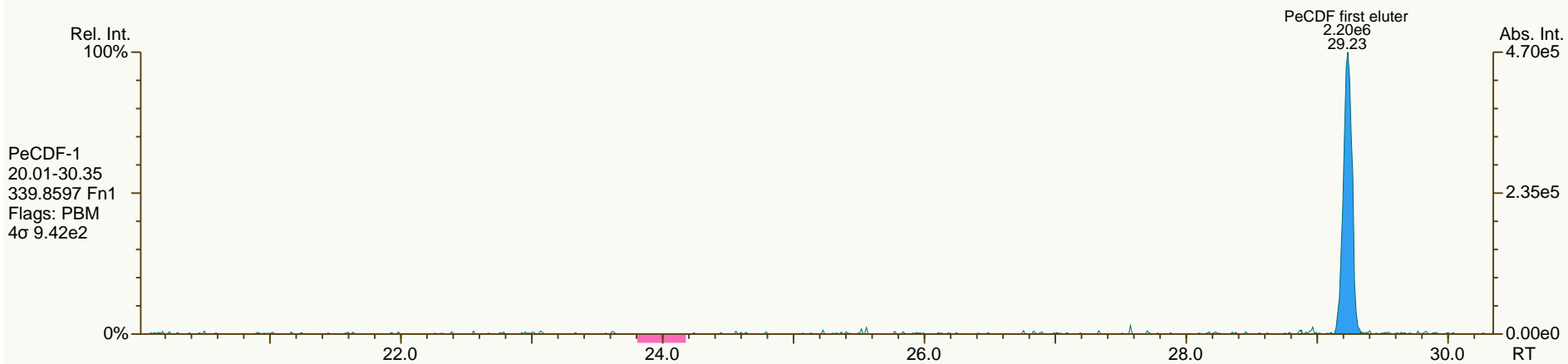
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SGS-AP ID: A5698_11123_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

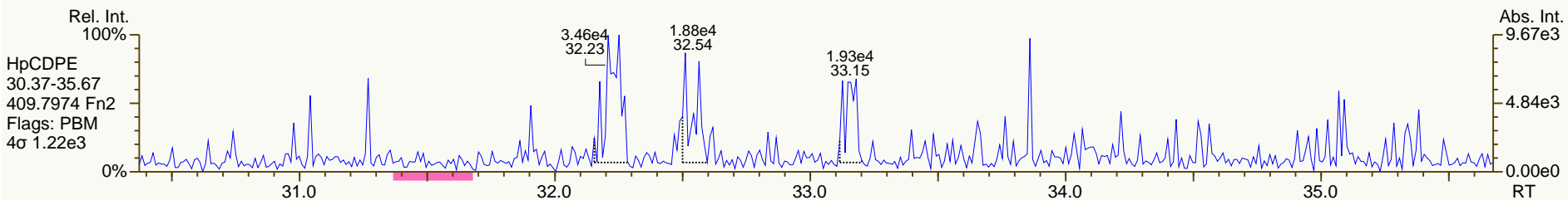
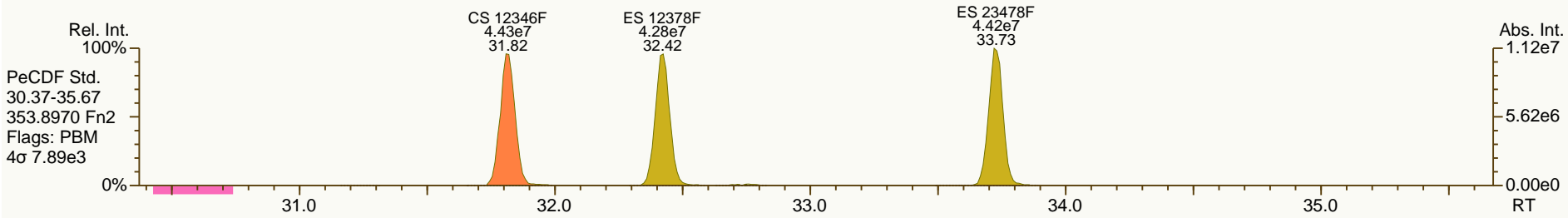
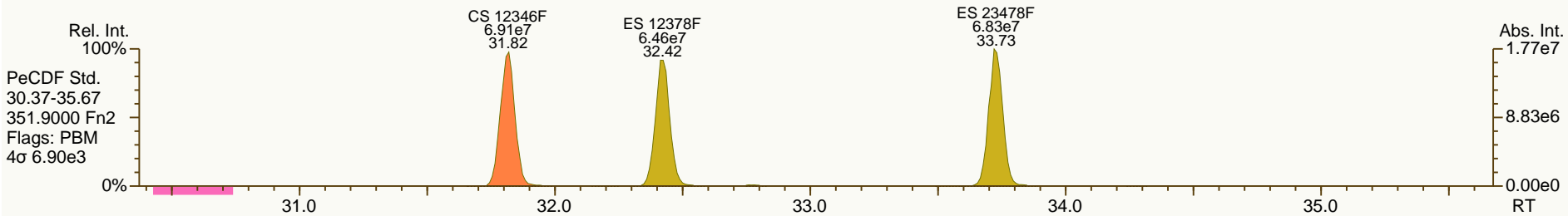
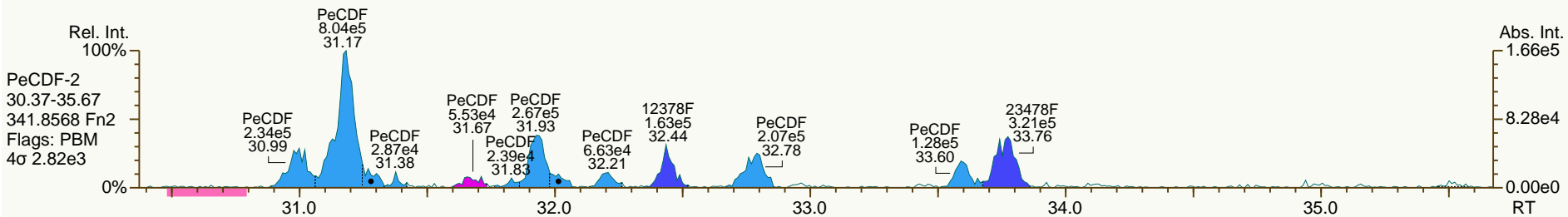
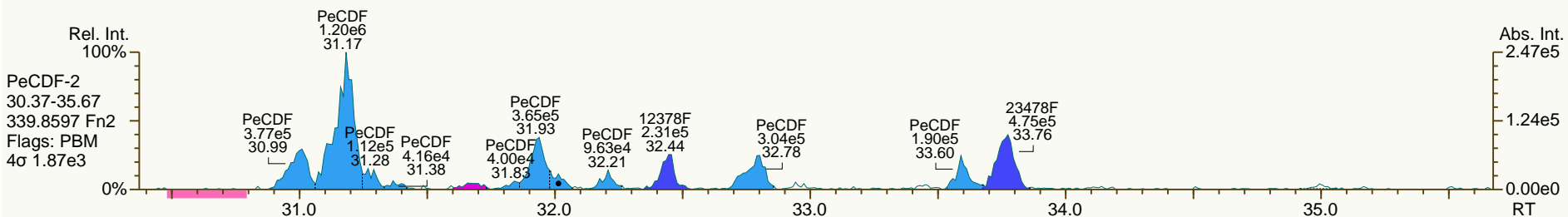
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

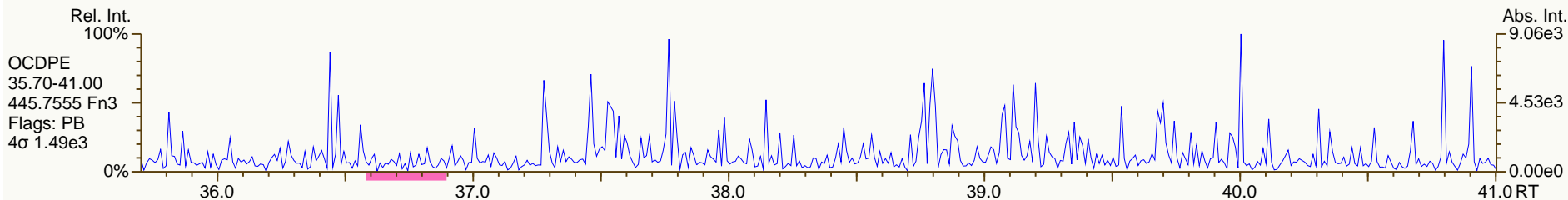
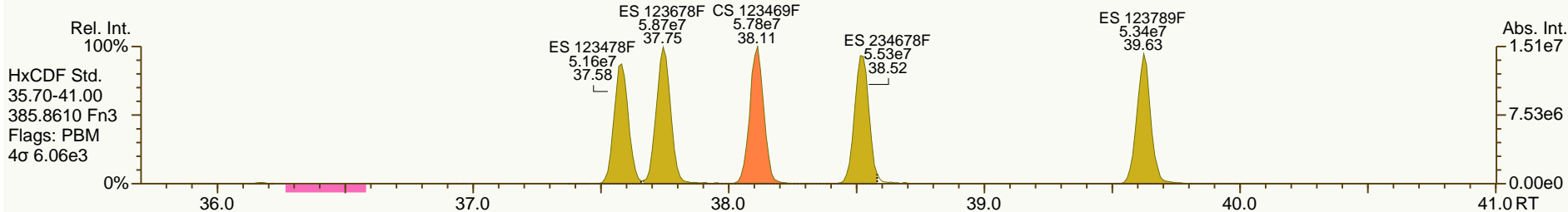
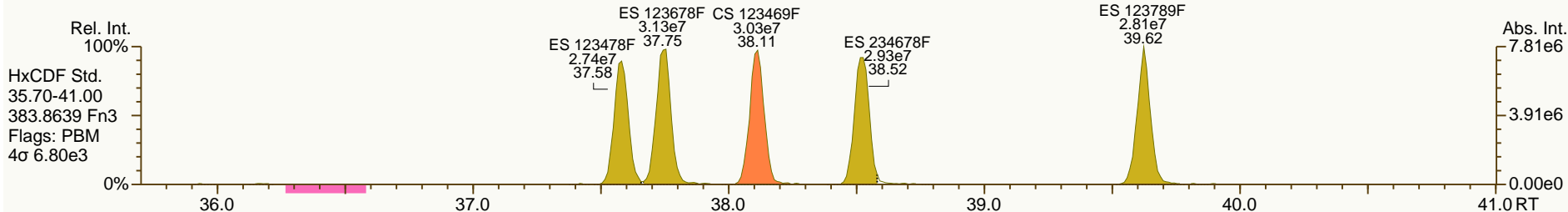
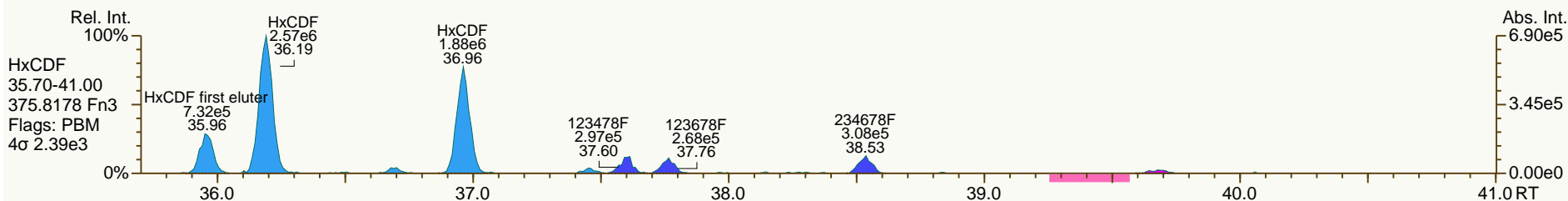
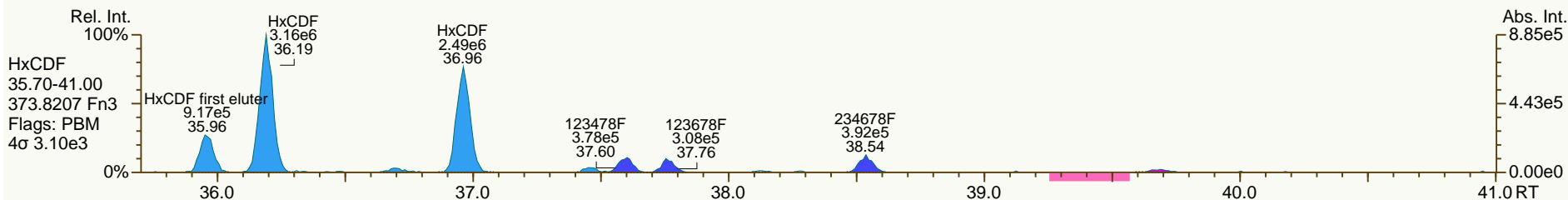
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

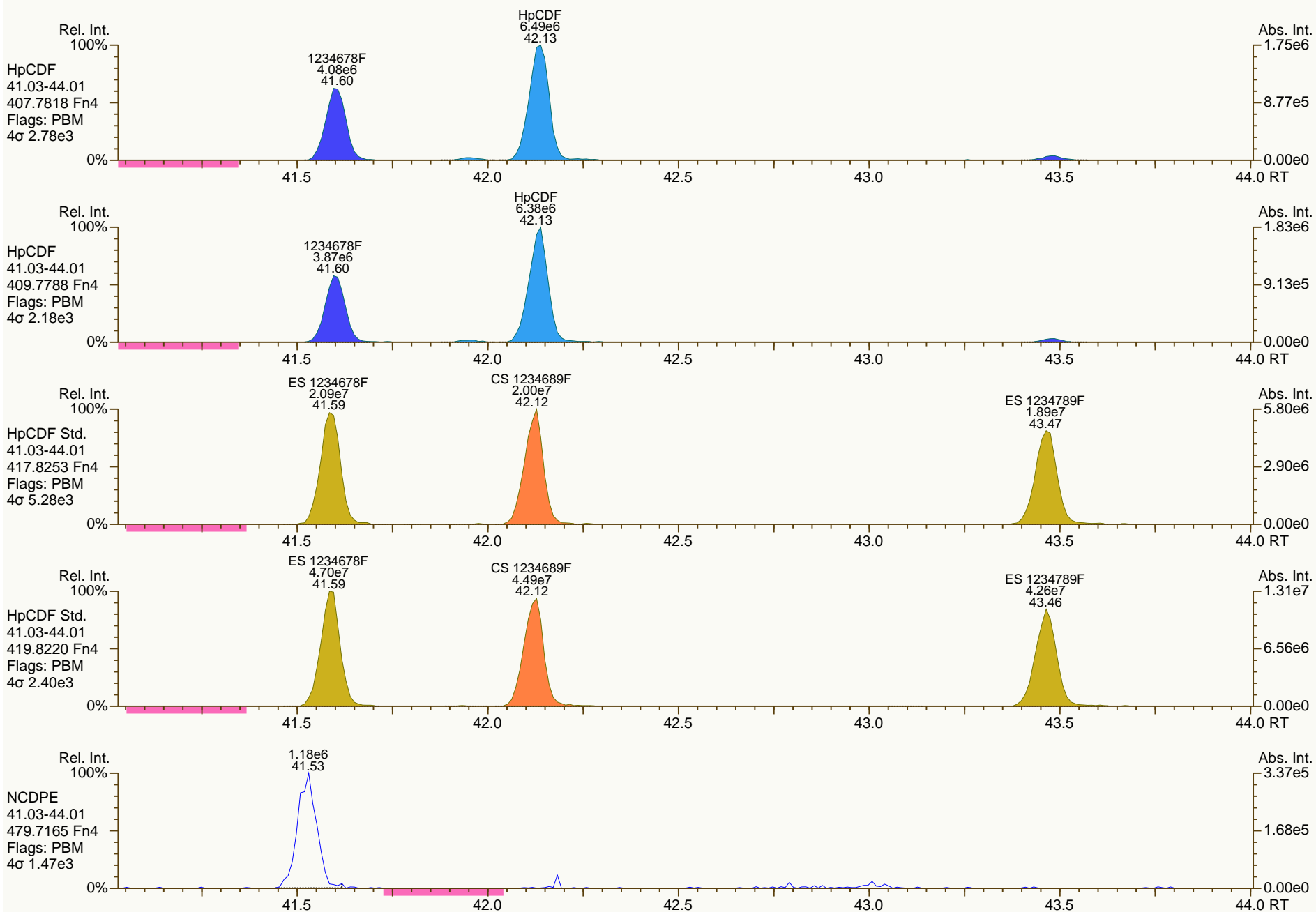
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SGS-AP ID: A5698_11123_DF_005
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

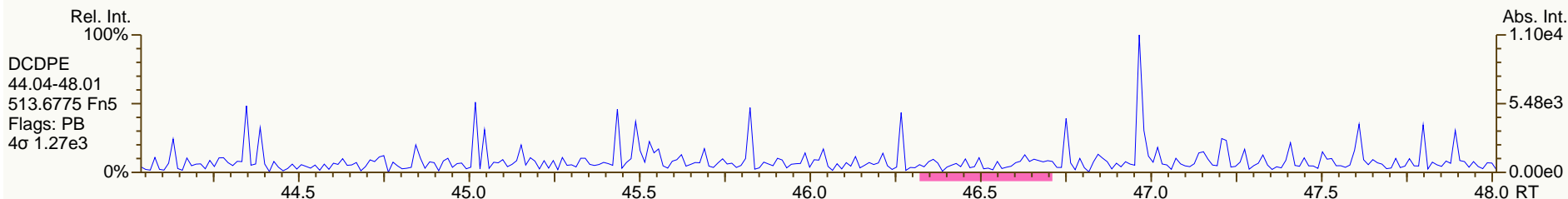
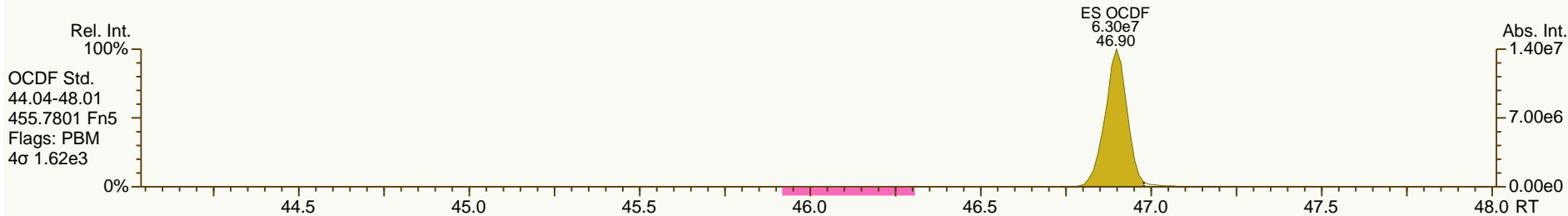
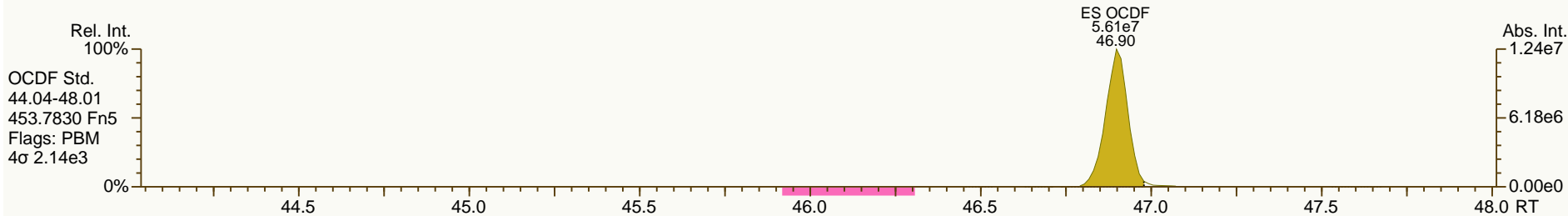
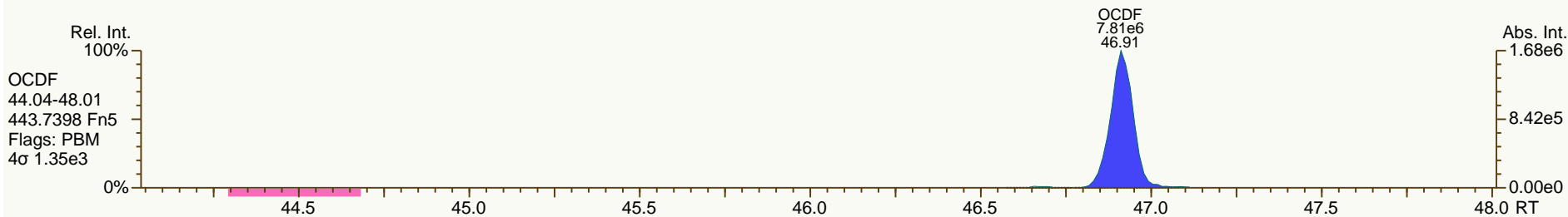
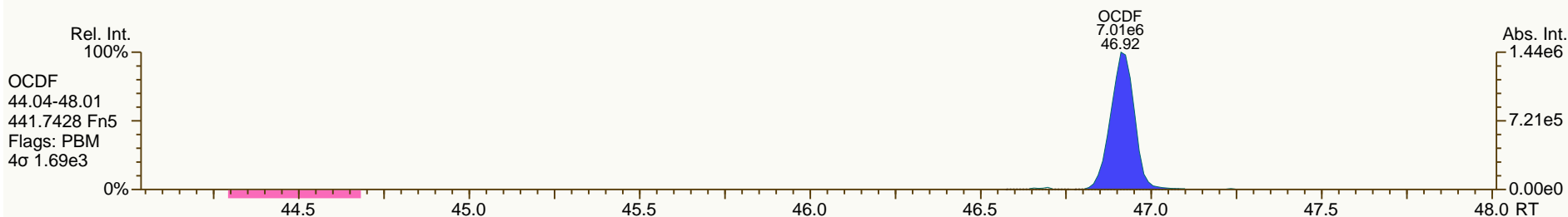
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SGS-AP ID: A5698_11123_DF_005
Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-214-130429
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 18-JUL-2013 16:45:02
User: MDC Datafile: 130718P1-06



Lab ID: A5698_11123_DF_006

Acq'd: 18 Jul 2013 17:37 MDC

Wt/Vol: 5.78 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-215-130429

UTP: 20-Jul-2013 10:01 MDC

J-level: 0.866 pg/g

Split: 1

Checkcode: 813-318-GTS

Datafile: 130718P1-07

Report: 20 Jul 2013 10:01 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	1.06E+05	0.89	N	1.06	0.529	3554	0.201
12378-PeCDD	34.16		1.0006	1.0006	0	2.19E+05	1.65	Y	0.94	1.38	4872	0.292
123478-HxCDD	38.76		1.0004	1.0005	+0.2	3.16E+05	1.26	Y	1.02	2.07	4479	0.29
123678-HxCDD	38.89		1.0039	1.0038	-0.2	1.06E+06	1.25	Y	1.04	7.27	4479	0.301
123789-HxCDD	39.22		1.0125	1.0125	0	6.28E+05	1.30	Y	0.98	4	4479	0.282
1234678-HpCDD	42.87		1.0004	1.0004	0	1.24E+07	1.05	Y	1.02	85	4463	0.284
OCDD	46.67		1.0003	1.0003	0	6.23E+07	0.91	Y	1.08	575	2328	0.247
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.20E+06	0.78	Y	0.97	4.06	3493	0.14
12378-PeCDF	32.44		1.0006	1.0005	-0.2	2.55E+05	1.34	Y	1.00	0.989	5774	0.226
23478-PeCDF	33.76		1.0006	1.0009	+0.6	4.60E+05	1.51	Y	0.96	1.84	5774	0.215
123478-HxCDF	37.60		1.0005	1.0005	0	3.05E+05	1.11	Y	1.23	1.32	3805	0.163
123678-HxCDF	37.76		1.0005	1.0004	-0.2	2.79E+05	1.39	Y	1.14	1.14	3805	0.153
234678-HxCDF	38.53		1.0005	1.0003	-0.5	3.94E+05	1.30	Y	1.14	1.71	3805	0.155
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3805	0.175
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	3.32E+06	1.04	Y	1.34	15.6	3538	0.15
1234789-HpCDF	43.48		1.0003	1.0004	+0.3	2.01E+05	0.99	Y	1.30	1.11	3538	0.183
OCDF	46.91		1.0004	1.0003	-0.3	3.84E+06	0.88	Y	1.00	27.7	3021	0.255

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	6.52E+07	0.79	Y	1.01	93.5
ES 12378-PeCDD	34.14	1.2541	1.2544	+0.5	5.87E+07	1.55	Y	0.90	94.8
ES 123478-HxCDD	38.74	0.9910	0.9910	0	5.15E+07	1.23	Y	0.99	89.9
ES 123678-HxCDD	38.87	0.9944	0.9944	0	4.85E+07	1.20	Y	1.02	82.1
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	5.54E+07	1.21	Y	1.12	86
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	4.92E+07	1.06	Y	0.90	94.3
ES OCDD	46.65	1.1930	1.1933	+0.7	6.96E+07	0.91	Y	0.74	81.3
ES 2378-TCDF	26.97	1.0586	1.0586	0	1.05E+08	0.73	Y	1.05	94.7
ES 12378-PeCDF	32.42	1.2725	1.2729	+0.6	8.96E+07	1.56	Y	0.88	97.3
ES 23478-PeCDF	33.73	1.3237	1.3240	+0.5	8.96E+07	1.63	Y	0.91	94
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.47E+07	0.52	Y	1.25	89.6
ES 123678-HxCDF	37.74	0.9655	0.9655	0	7.46E+07	0.53	Y	1.40	92.3
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	6.96E+07	0.53	Y	1.29	93.1
ES 123789-HxCDF	39.62	1.0136	1.0136	0	6.52E+07	0.52	Y	1.17	96.9
ES 1234678-HpCDF	41.59	1.0636	1.0638	+0.5	5.50E+07	0.45	Y	1.03	92.7
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	4.84E+07	0.44	Y	0.89	94.4
ES OCDF	46.90	1.1993	1.1997	+0.9	9.62E+07	0.91	Y	1.00	83.2

Lab ID: A5698_11123_DF_006

Acq'd: 18 Jul 2013 17:37 MDC

Wt/Vol: 5.78 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-215-130429

UTP: 20-Jul-2013 10:01 MDC

J-level: 0.866 pg/g Split: 1

Checkcode: 813-318-GTS

Datafile: 130718P1-07

Report: 20 Jul 2013 10:01 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

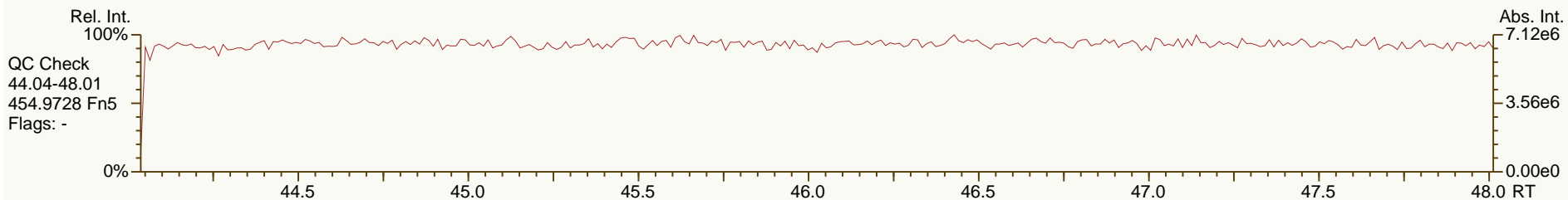
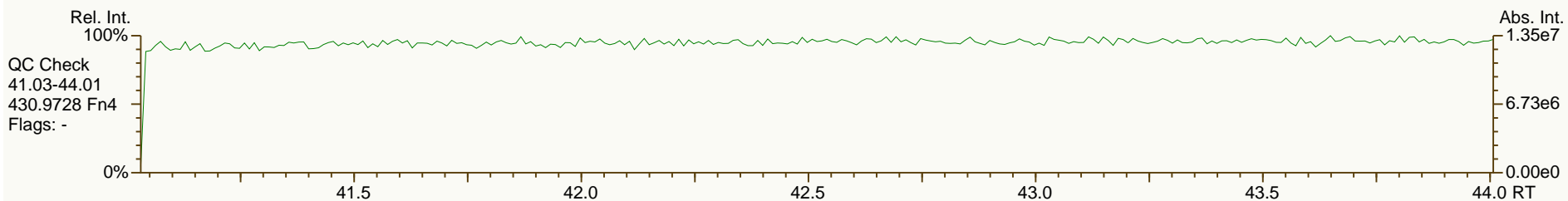
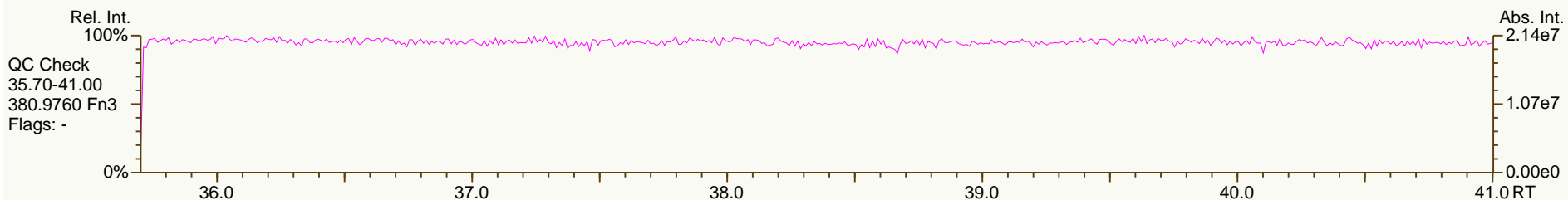
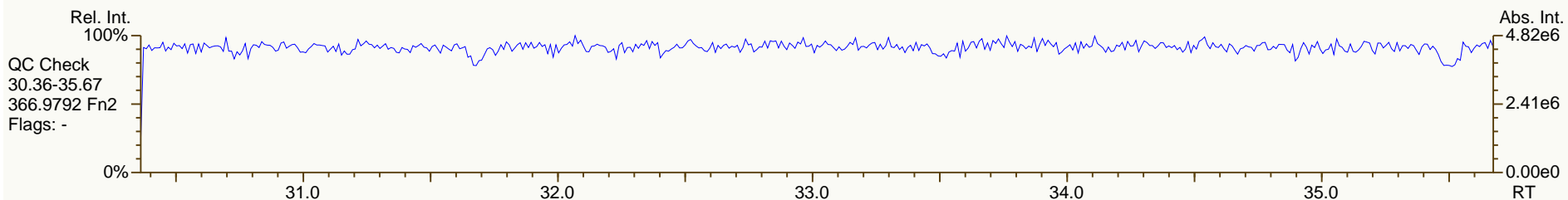
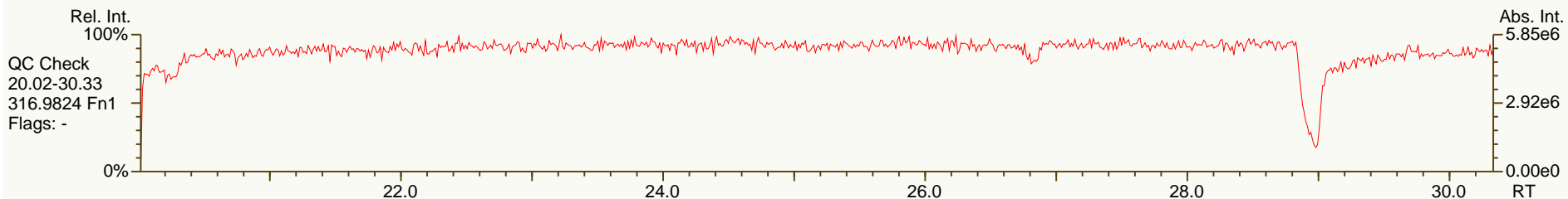
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JS 1234-TCDD	27.21		-	-	-	6.90E+07	0.78	Y	-	-
JS 1234-TCDF	25.47		-	-	-	1.05E+08	0.73	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.89E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.92E+07	n/a	-	1.10	96.3
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.36E+07	1.58	Y	0.79	116
CS 12346-PeCDF	31.82		1.2486	1.2491	+0.8	9.49E+07	1.59	Y	0.87	105
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	7.03E+07	0.52	Y	1.21	101
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	5.09E+07	0.45	Y	0.89	98.5
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.92E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	6.36E+07	1.58	Y	0.89	122
SS 12346-PeCDF	31.82		1.2486	1.2491	+0.8	9.49E+07	1.59	Y	0.99	107
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	7.03E+07	0.52	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	5.09E+07	0.45	Y	0.87	106
AS 1368-TCDD	23.92		0.8792	0.8790	-0.3	6.90E+07	0.81	Y	1.00	100
AS 1368-TCDF	21.75		0.8532	0.8538	+0.9	1.20E+08	0.73	Y	1.20	95.3
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	50.8	52.1	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	34.9	45	Original Values	Corrected Values
Total HxCDD	87.6	87.6	Ratio 0.69	0.89
Total HpCDD	201	201	Response 1.30E+05	1.13E+05
Total Tetra-Octa Dioxins	949	961		
Total TCDF	40.1	44.1		
Total PeCDF	23.9	24.5		
Total HxCDF	29.4	29.4		
Total HpCDF	41.2	41.8		
Total Tetra-Octa Furans	162	168		
Total Tetra-Octa Dioxins & Furans	1110	1130		

SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

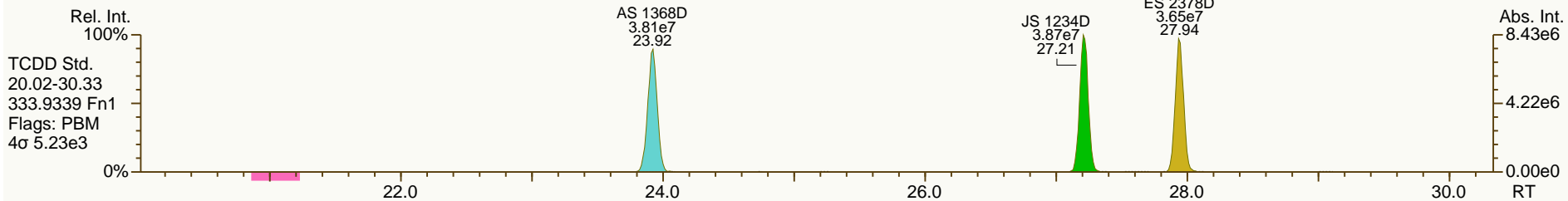
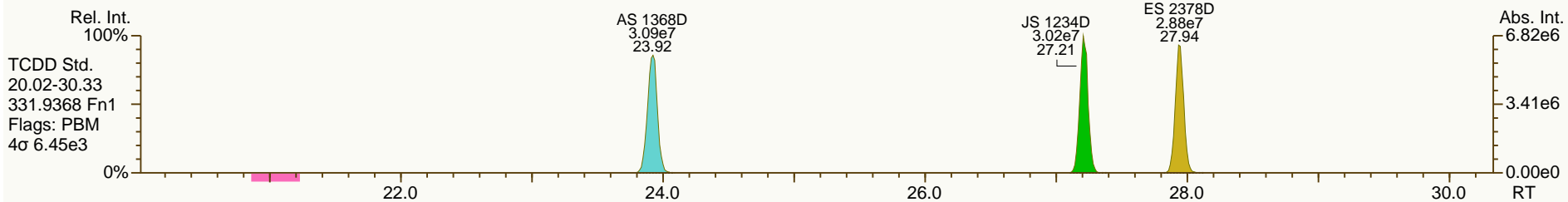
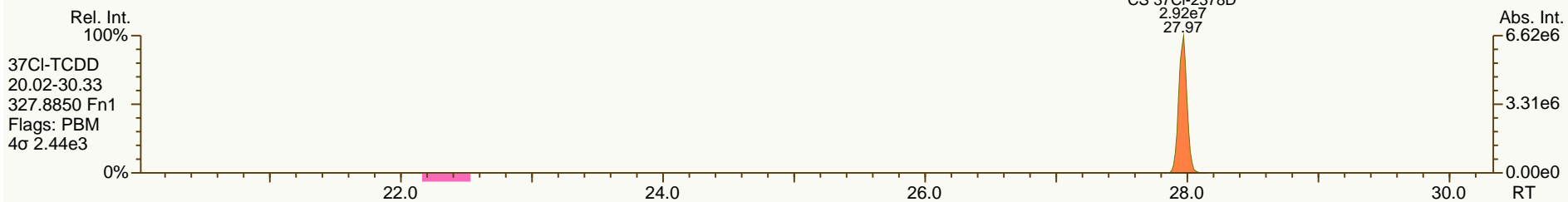
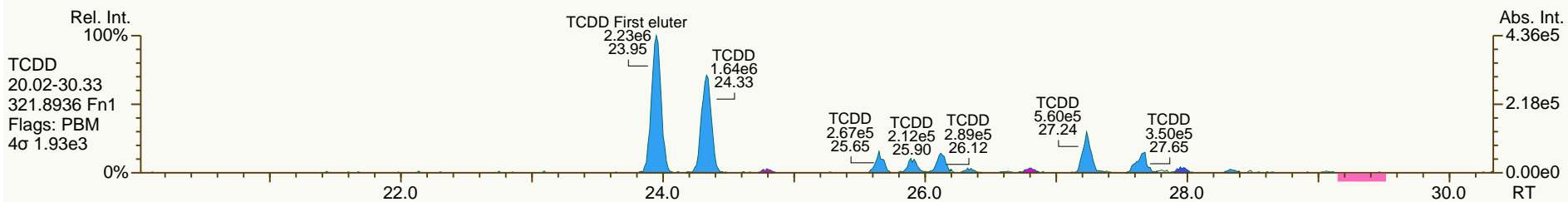
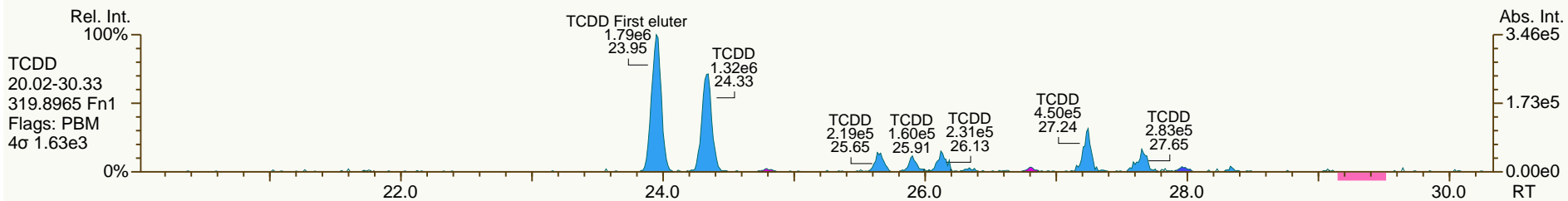
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

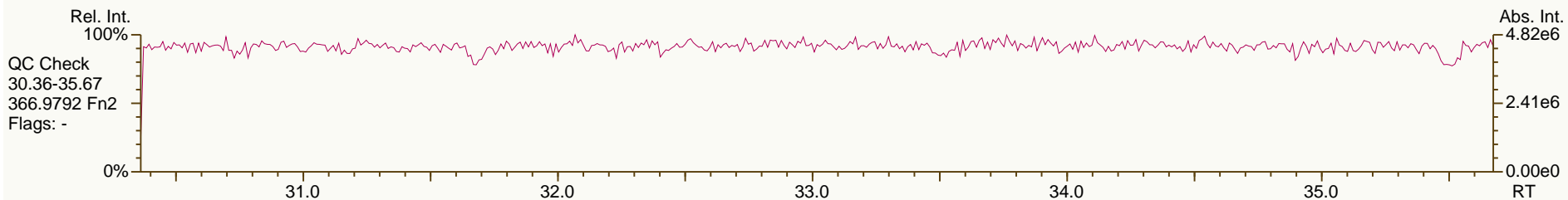
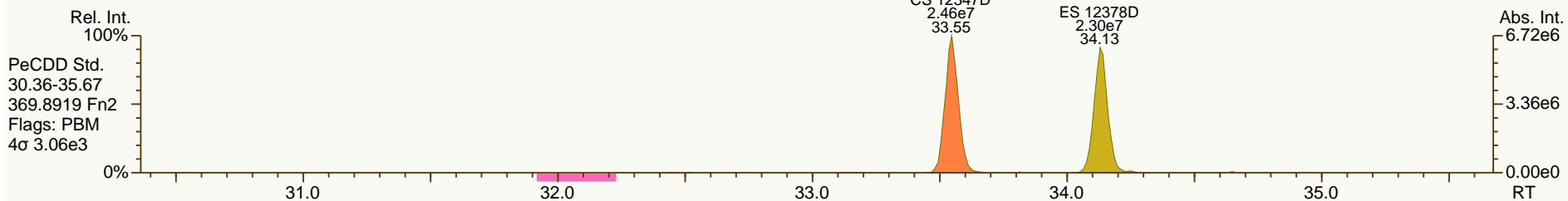
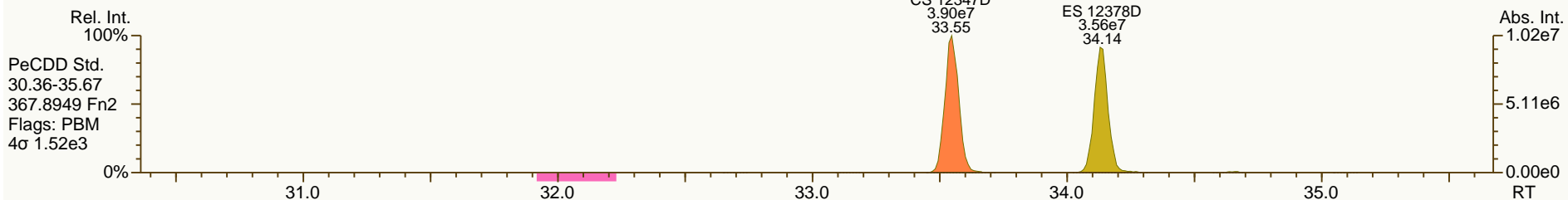
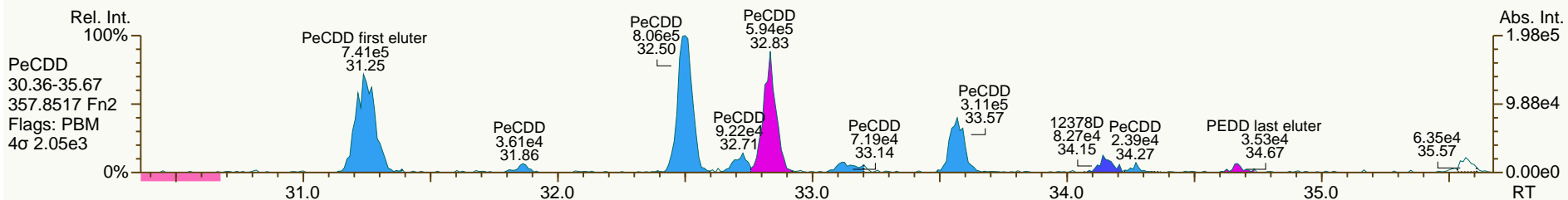
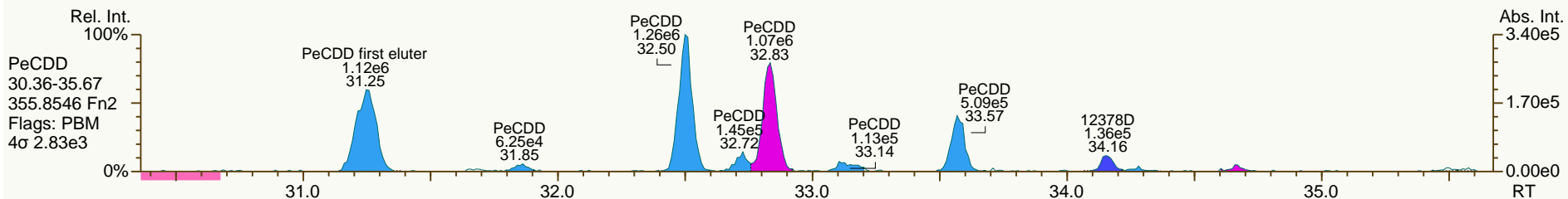
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SGS-AP ID: A5698_11123_DF_006
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Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

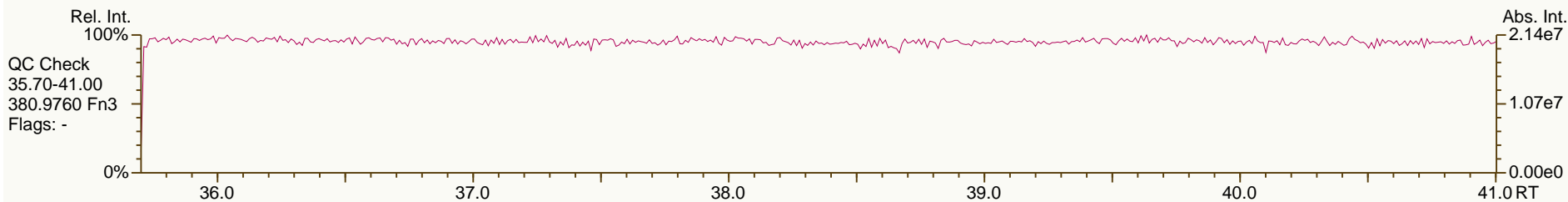
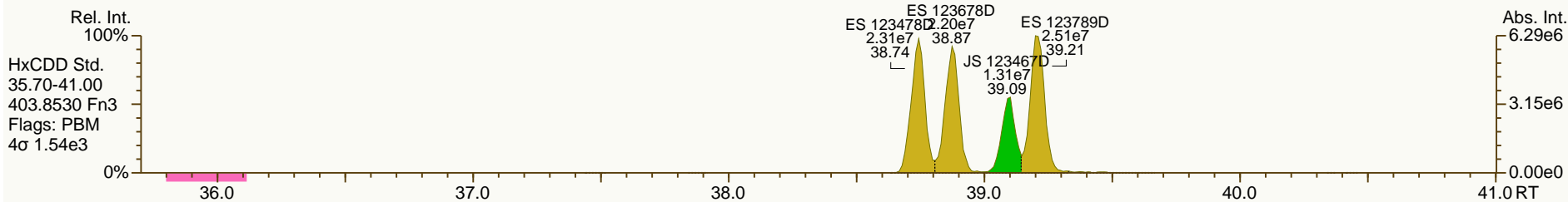
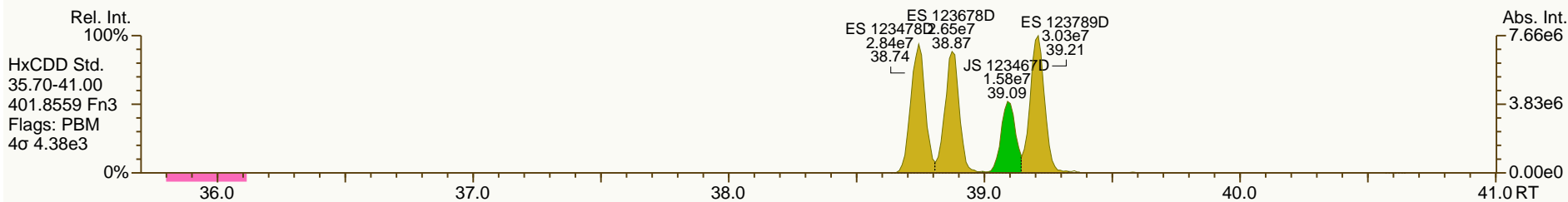
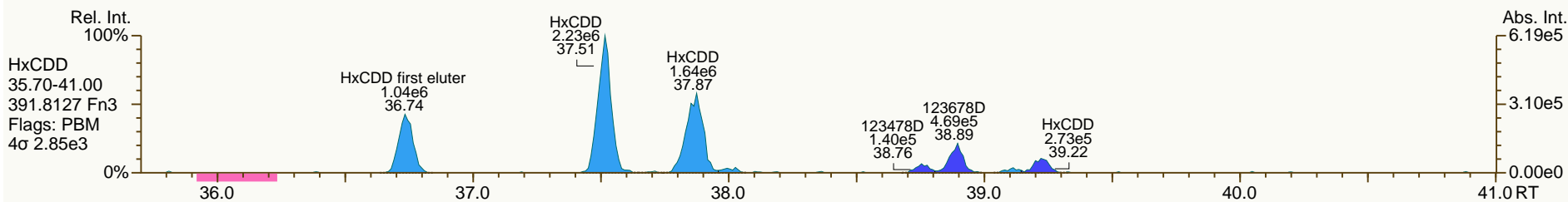
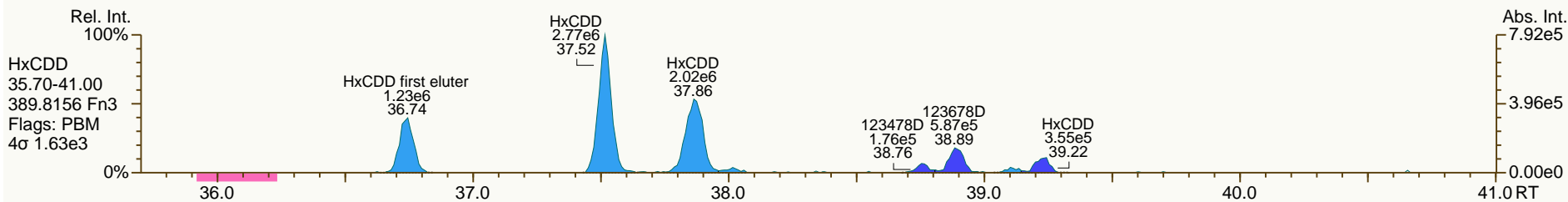
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

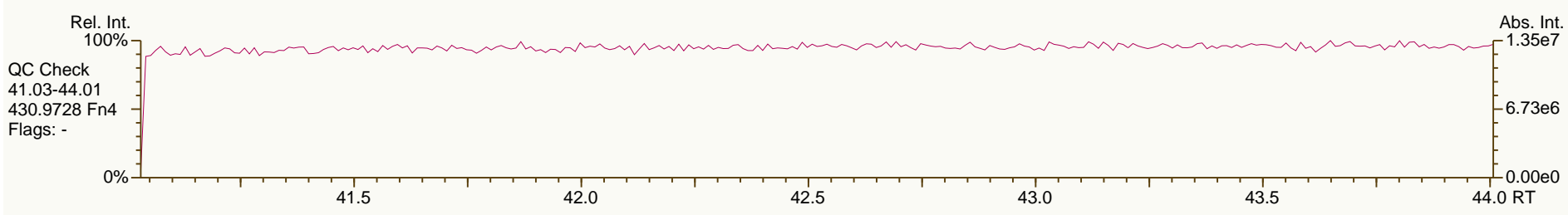
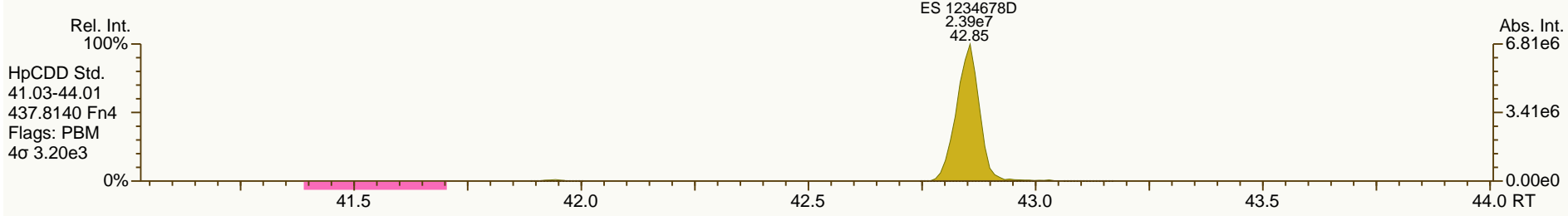
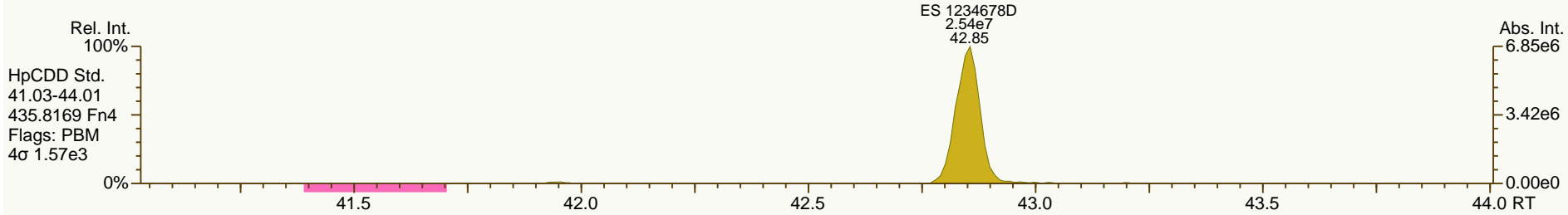
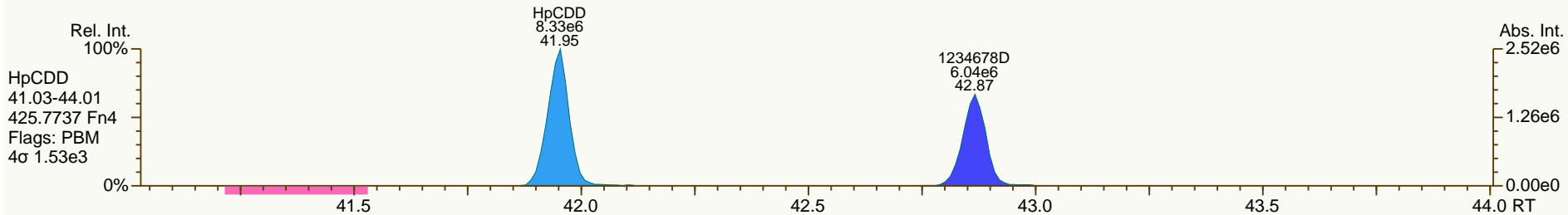
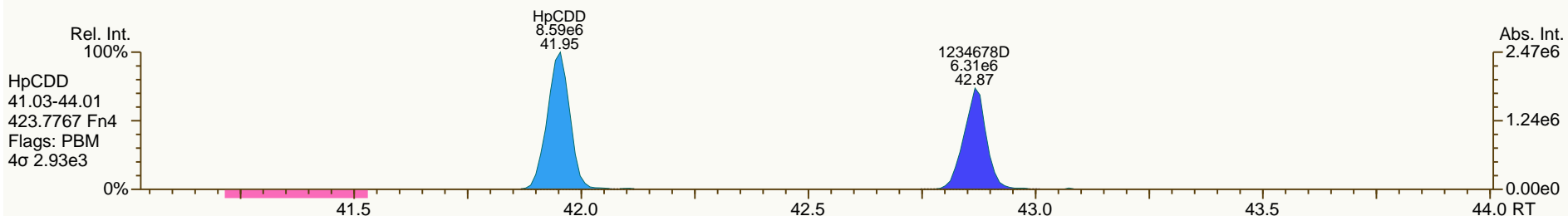
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

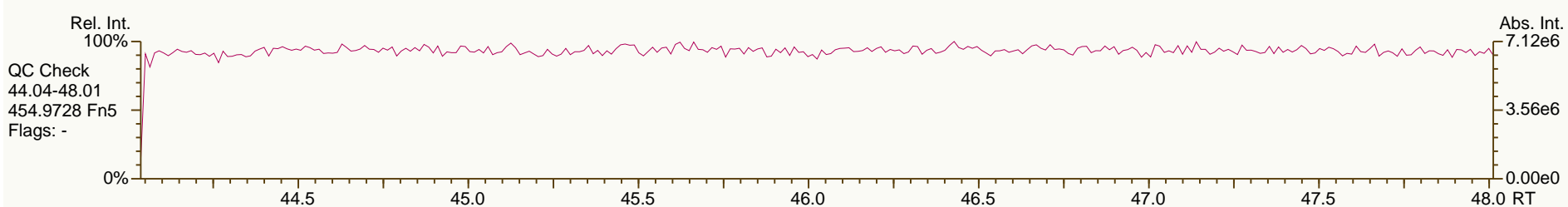
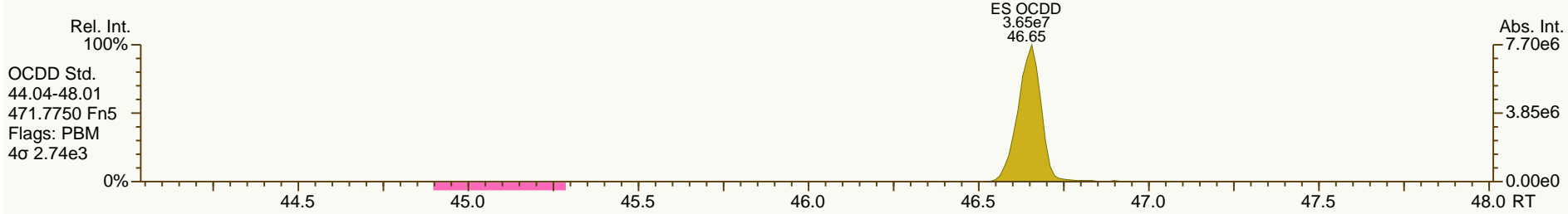
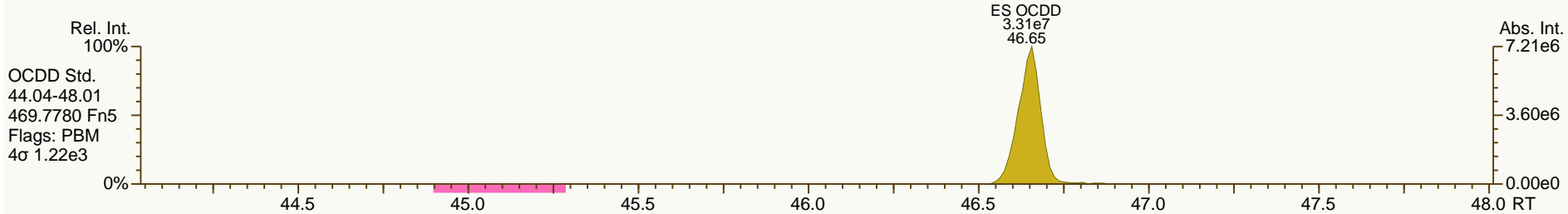
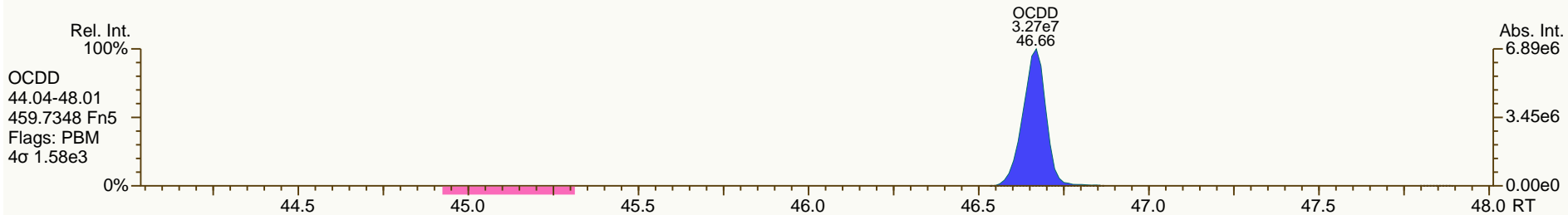
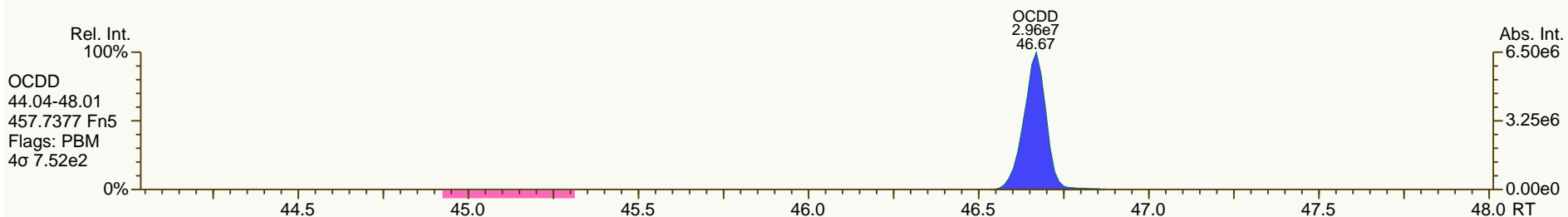
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

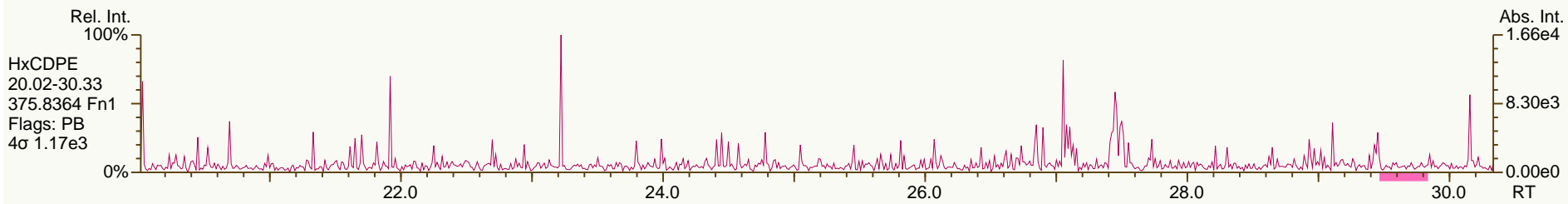
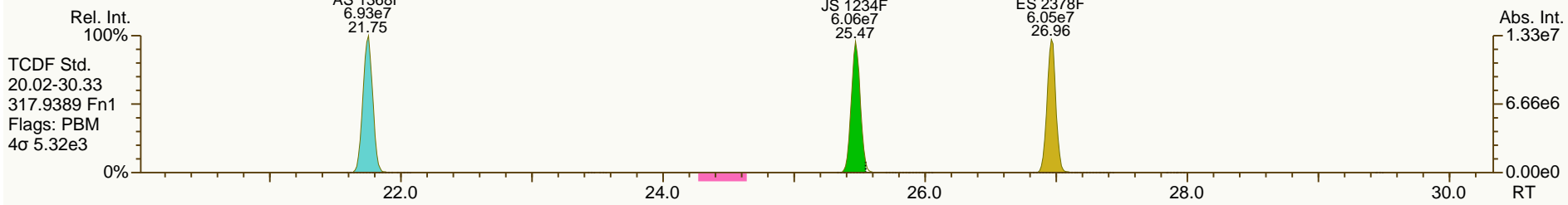
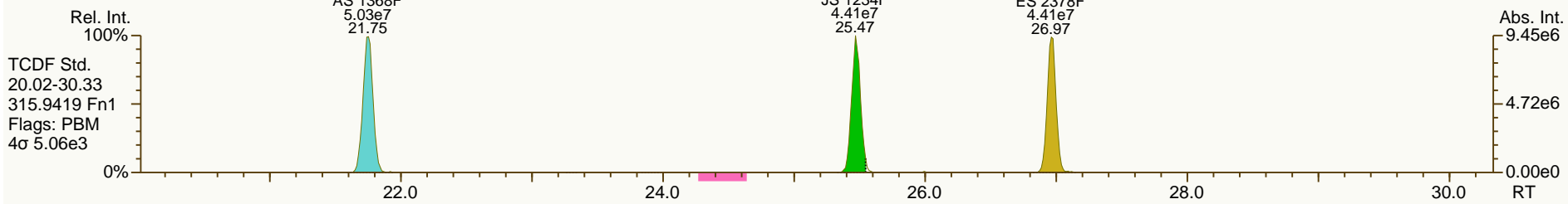
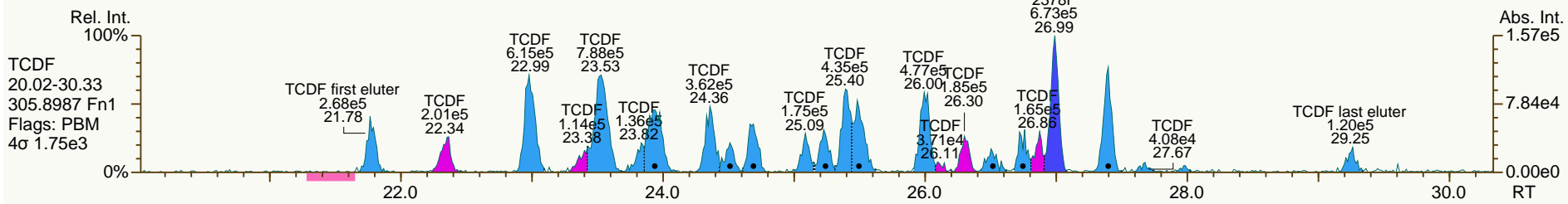
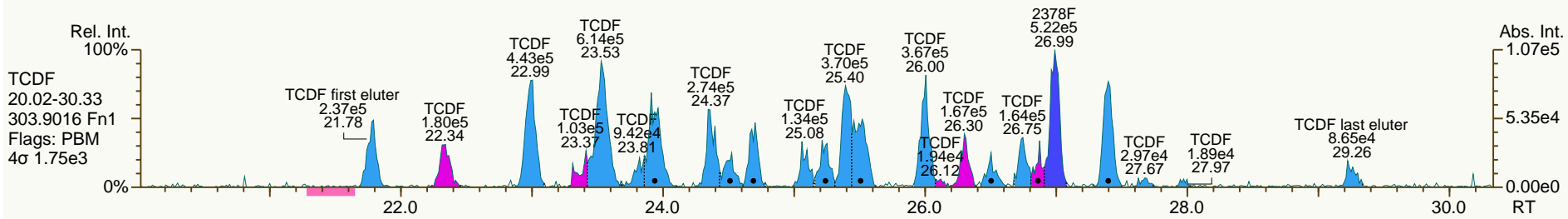
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

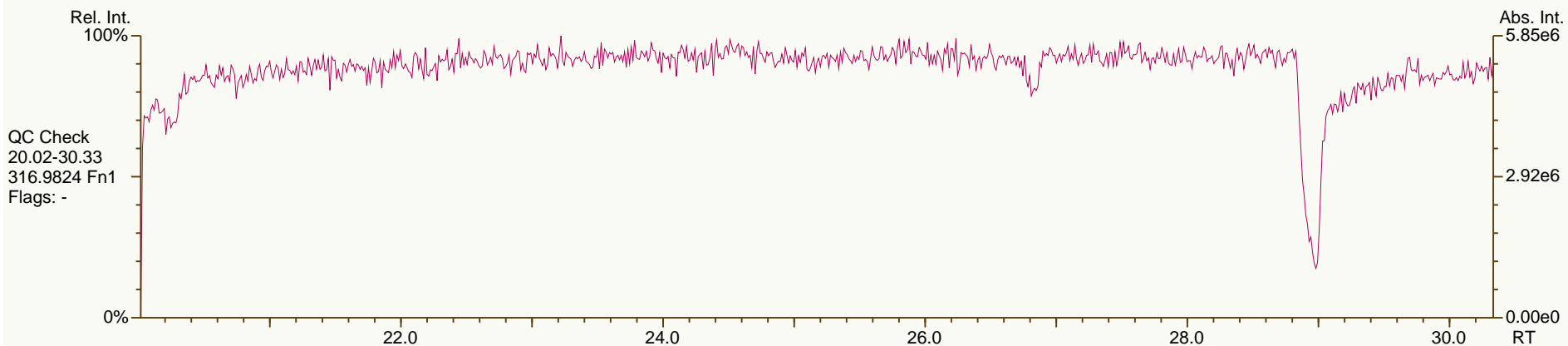
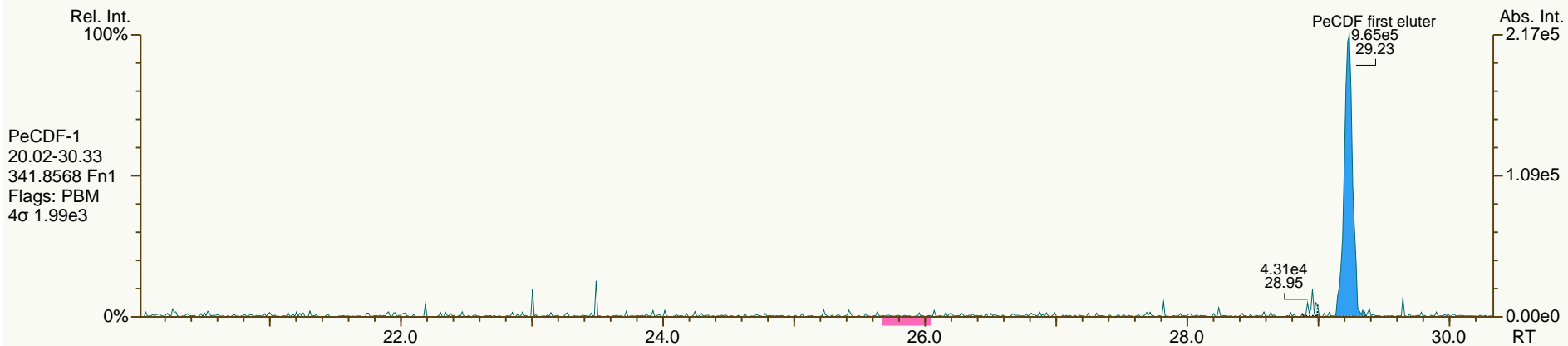
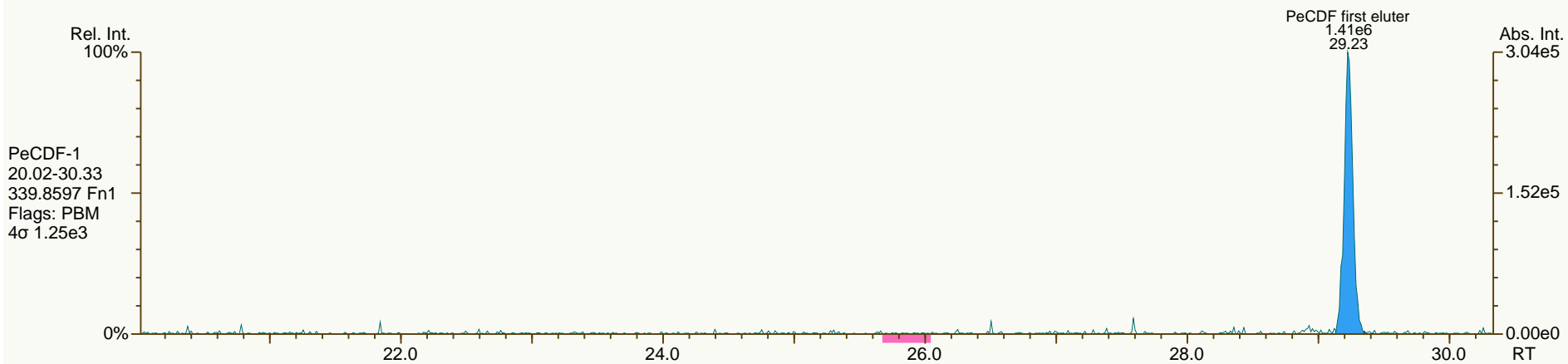
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

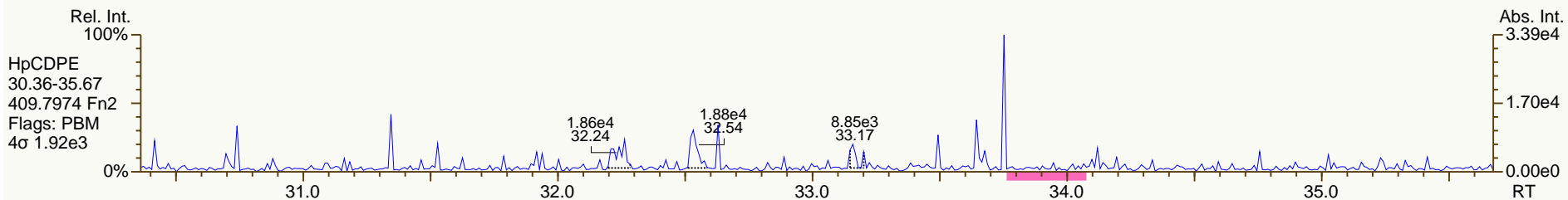
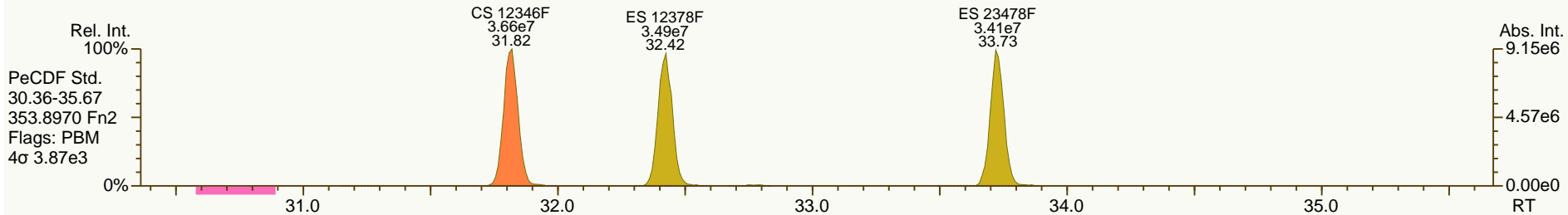
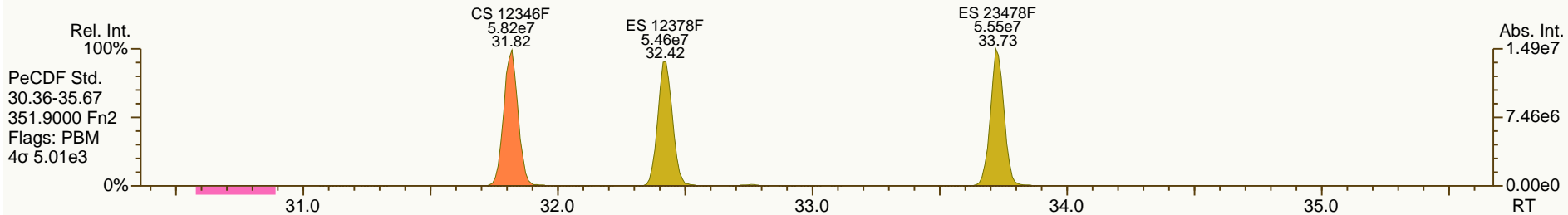
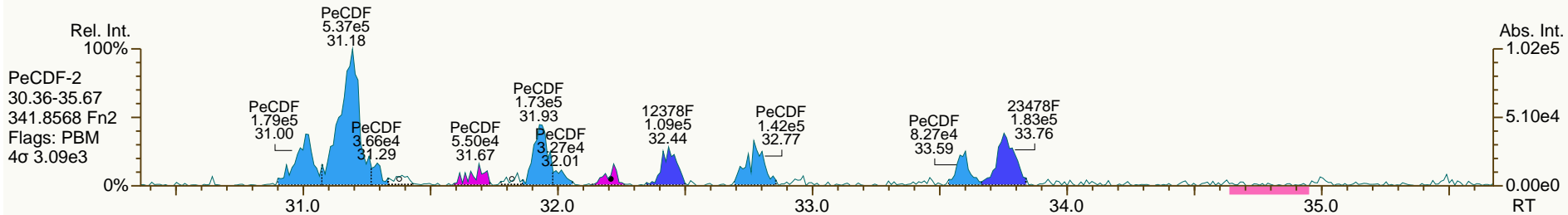
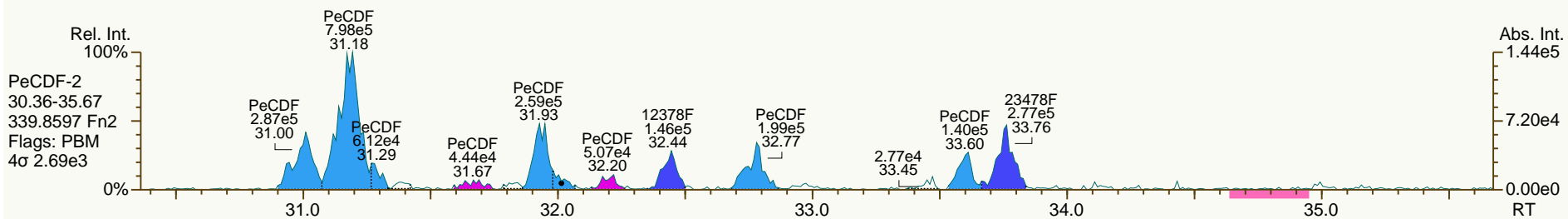
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

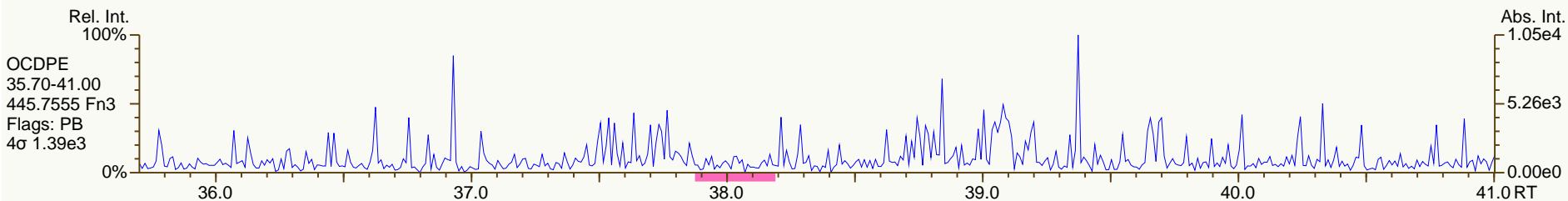
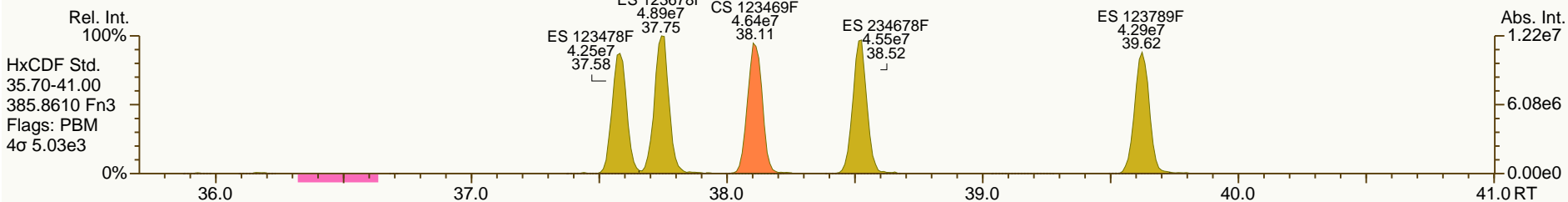
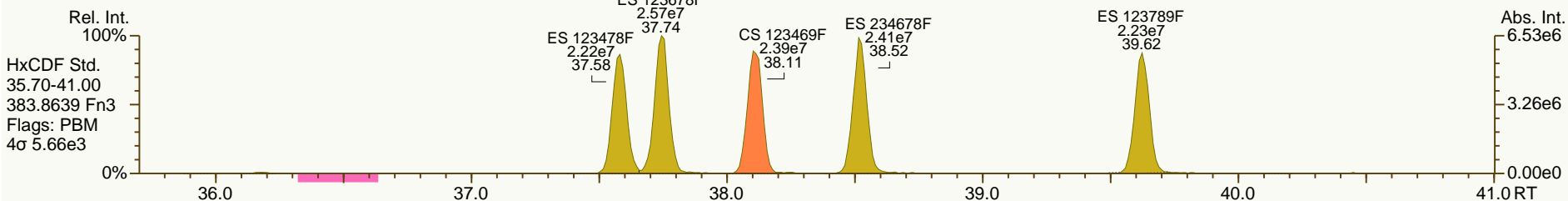
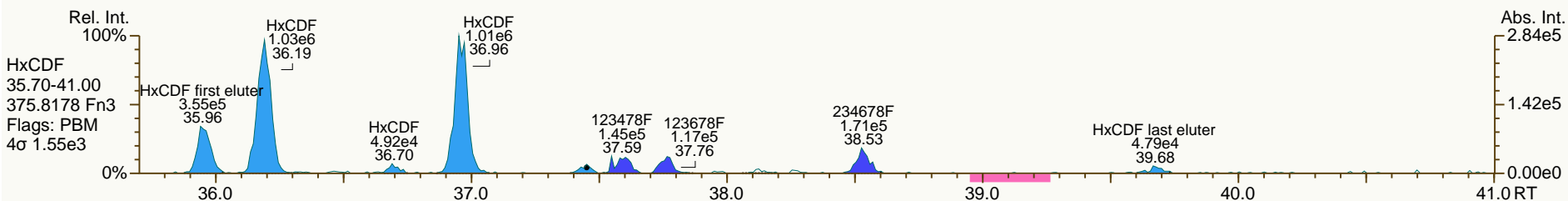
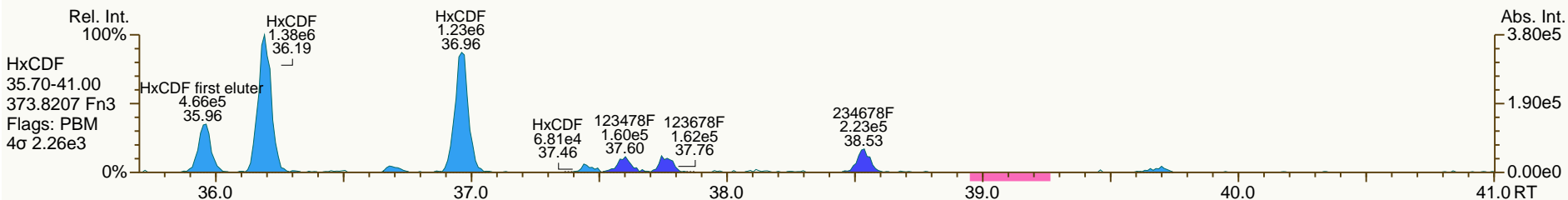
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

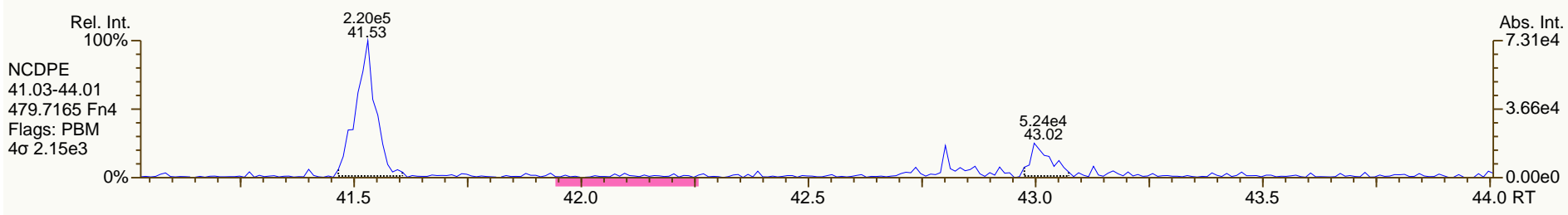
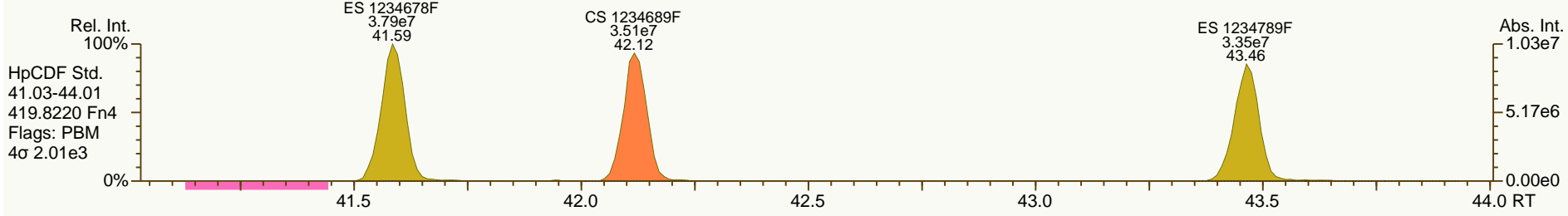
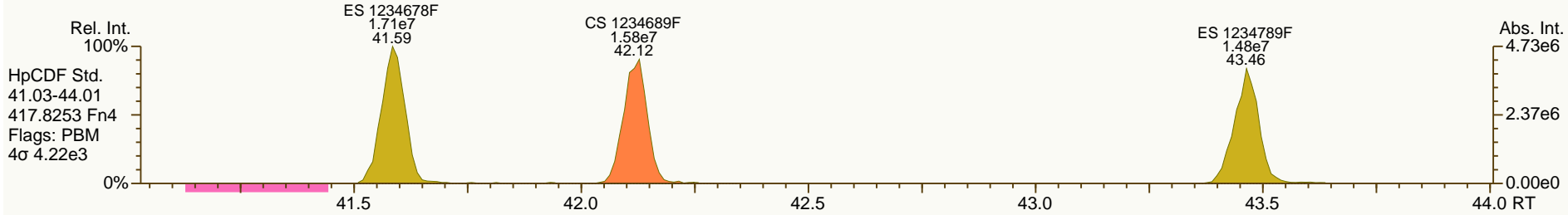
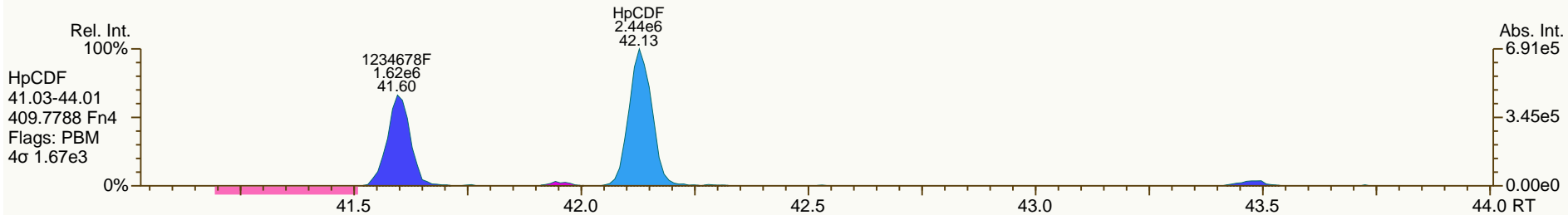
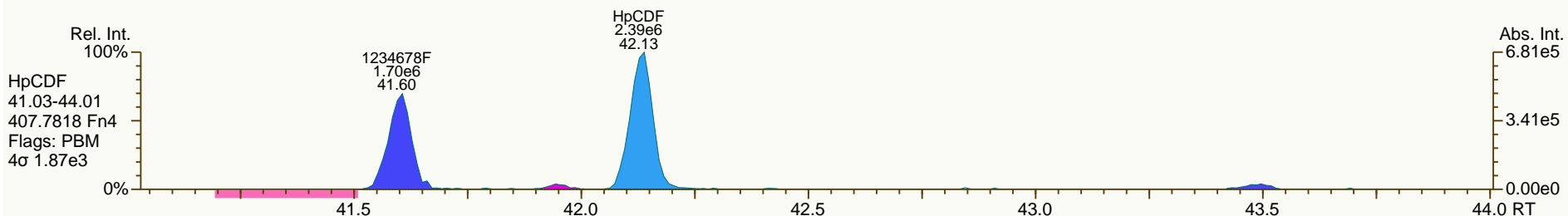
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

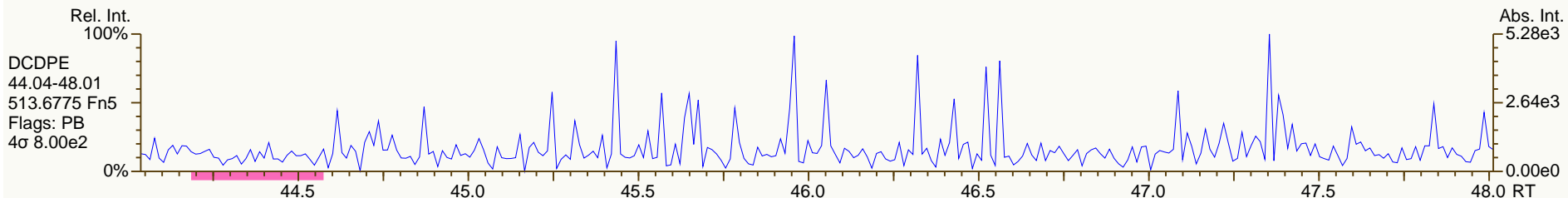
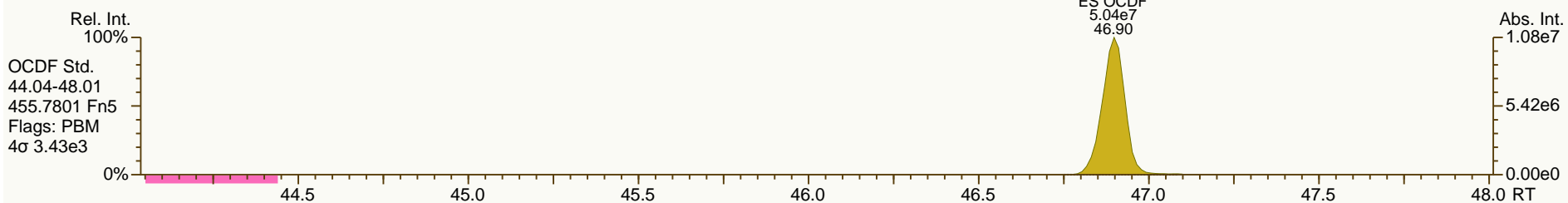
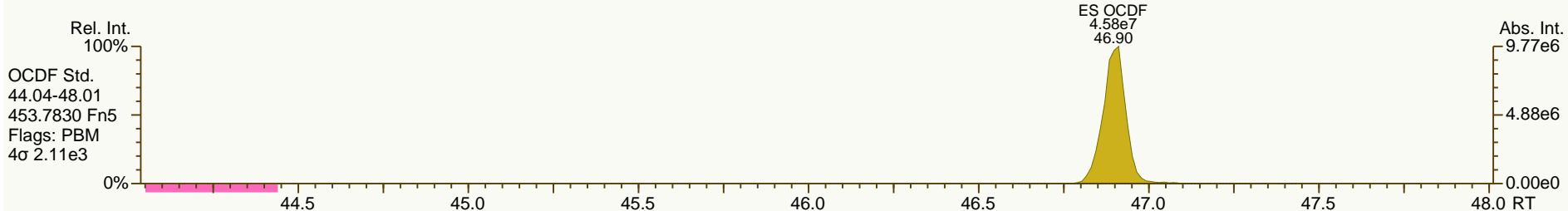
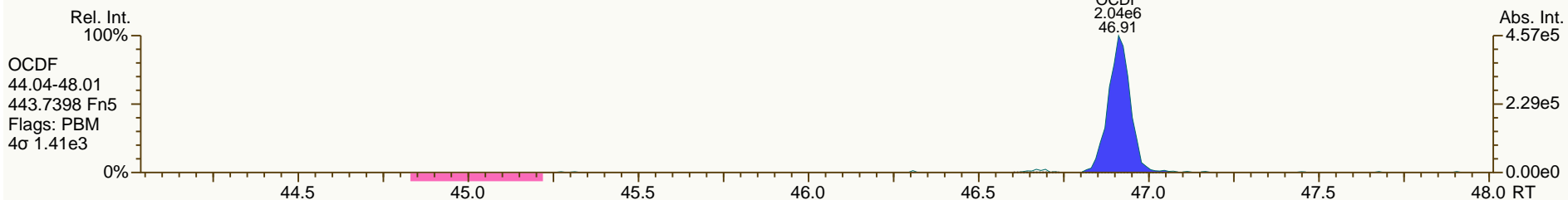
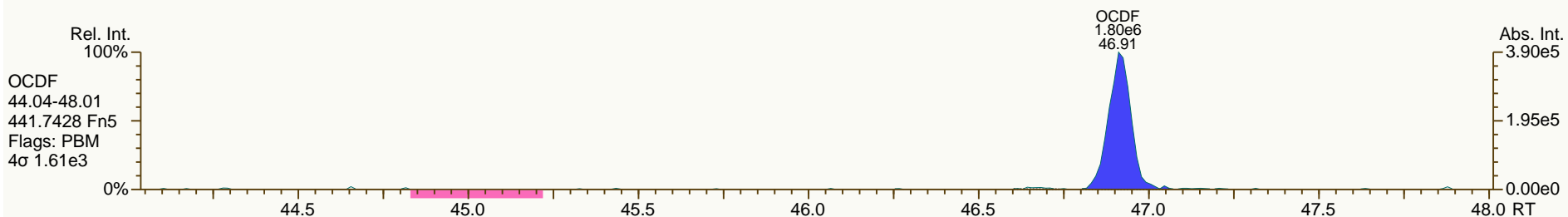
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SGS-AP ID: A5698_11123_DF_006
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-215-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 18-JUL-2013 17:37:37
 User: MDC Datafile: 130718P1-07



Lab ID: A5698_11123_DF_007

Acq'd: 18 Jul 2013 18:30 MDC

Wt/Vol: 8.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-216-130429

UTP: 20-Jul-2013 10:03 MDC

J-level: 0.591 pg/g

Split: 1

Checkcode: 852-833-HXH

Datafile: 130718P1-08

Report: 20 Jul 2013 10:03 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0009	0	4.71E+04	0.91	N	1.06	0.155	3392	0.124
12378-PeCDD	34.15		1.0006	1.0006	0	9.56E+04	1.55	Y	0.94	0.388	3763	0.155
123478-HxCDD	38.76		1.0004	1.0005	+0.2	1.68E+05	1.51	N	1.02	0.707	4503	0.177
123678-HxCDD	38.88		1.0039	1.0038	-0.2	5.31E+05	1.42	Y	1.04	2.4	4503	0.192
123789-HxCDD	39.22		1.0125	1.0125	0	3.37E+05	1.24	Y	0.98	1.36	4503	0.185
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	5.50E+06	1.03	Y	1.02	24.2	4130	0.18
OCDD	46.66		1.0003	1.0004	+0.3	2.61E+07	0.90	Y	1.08	157	2895	0.204
2378-TCDF	26.99		1.0009	1.0009	0	5.68E+05	0.86	Y	0.97	1.28	3220	0.0856
12378-PeCDF	32.44		1.0006	1.0006	0	1.07E+05	1.57	Y	1.00	0.267	3296	0.0797
23478-PeCDF	33.75		1.0006	1.0009	+0.6	2.36E+05	1.43	Y	0.96	0.589	3296	0.0773
123478-HxCDF	37.59		1.0005	1.0004	-0.2	1.04E+05	1.02	N	1.23	0.287	3984	0.105
123678-HxCDF	37.76		1.0005	1.0005	0	1.17E+05	1.10	Y	1.14	0.311	3984	0.105
234678-HxCDF	38.53		1.0005	1.0005	0	1.86E+05	1.46	N	1.14	0.518	3984	0.109
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	3984	0.112
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	1.45E+06	0.99	Y	1.34	4.48	3884	0.103
1234789-HpCDF	43.47		1.0003	1.0003	0	6.50E+04	0.97	Y	1.30	0.228	3884	0.134
OCDF	46.91		1.0004	1.0004	0	1.81E+06	0.96	Y	1.00	8.57	3344	0.183

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0267	-0.2	6.74E+07	0.79	Y	1.01	94.7
ES 12378-PeCDD	34.13	1.2541	1.2542	+0.2	6.21E+07	1.54	Y	0.90	98.4
ES 123478-HxCDD	38.74	0.9910	0.9910	0	5.47E+07	1.24	Y	0.99	93.3
ES 123678-HxCDD	38.87	0.9944	0.9944	0	5.05E+07	1.18	Y	1.02	83.7
ES 123789-HxCDD	39.20	1.0030	1.0030	0	5.96E+07	1.21	Y	1.12	90.6
ES 1234678-HpCDD	42.84	1.0959	1.0961	+0.5	5.26E+07	1.06	Y	0.90	98.6
ES OCDD	46.64	1.1930	1.1932	+0.5	7.29E+07	0.90	Y	0.74	83.4
ES 2378-TCDF	26.97	1.0586	1.0585	-0.2	1.08E+08	0.70	Y	1.05	91.9
ES 12378-PeCDF	32.42	1.2725	1.2726	+0.2	9.50E+07	1.64	Y	0.88	97.4
ES 23478-PeCDF	33.72	1.3237	1.3237	0	9.81E+07	1.61	Y	0.91	97.2
ES 123478-HxCDF	37.58	0.9613	0.9613	0	6.97E+07	0.55	Y	1.25	94.4
ES 123678-HxCDF	37.74	0.9655	0.9656	+0.2	7.85E+07	0.53	Y	1.40	95.1
ES 234678-HxCDF	38.52	0.9853	0.9854	+0.2	7.42E+07	0.53	Y	1.29	97.1
ES 123789-HxCDF	39.62	1.0136	1.0136	0	6.89E+07	0.53	Y	1.17	100
ES 1234678-HpCDF	41.58	1.0636	1.0638	+0.5	5.70E+07	0.44	Y	1.03	94
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	5.21E+07	0.45	Y	0.89	99.5
ES OCDF	46.89	1.1993	1.1996	+0.7	9.98E+07	0.91	Y	1.00	84.5

Lab ID: A5698_11123_DF_007

Acq'd: 18 Jul 2013 18:30 MDC

Wt/Vol: 8.47 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-SS-216-130429

UTP: 20-Jul-2013 10:03 MDC

J-level: 0.591 pg/g

Split: 1

Checkcode: 852-833-HXH

Datafile: 130718P1-08

Report: 20 Jul 2013 10:03 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

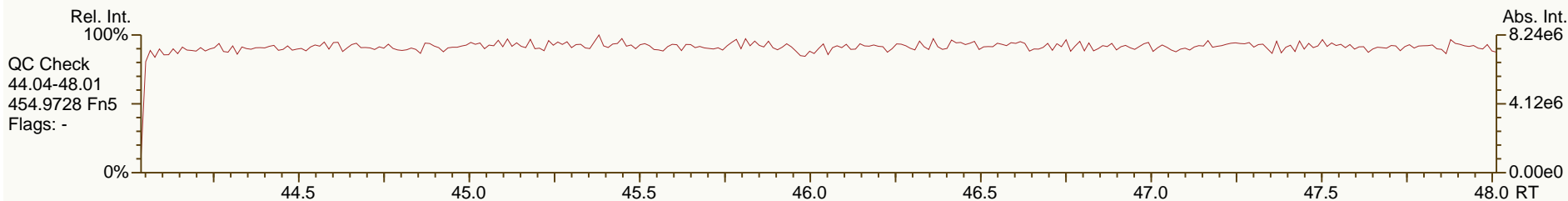
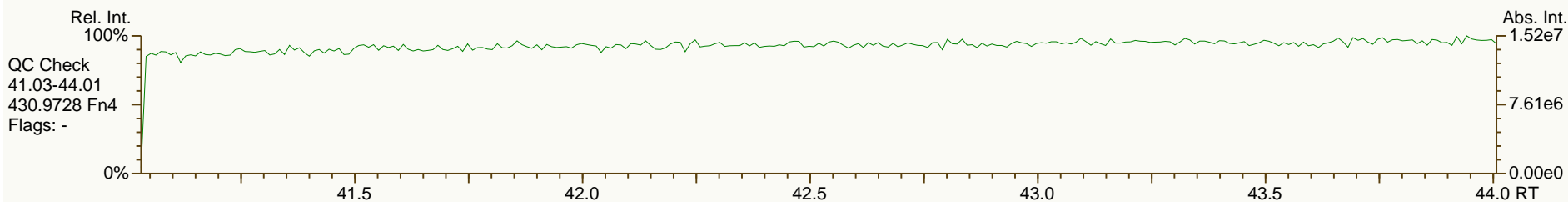
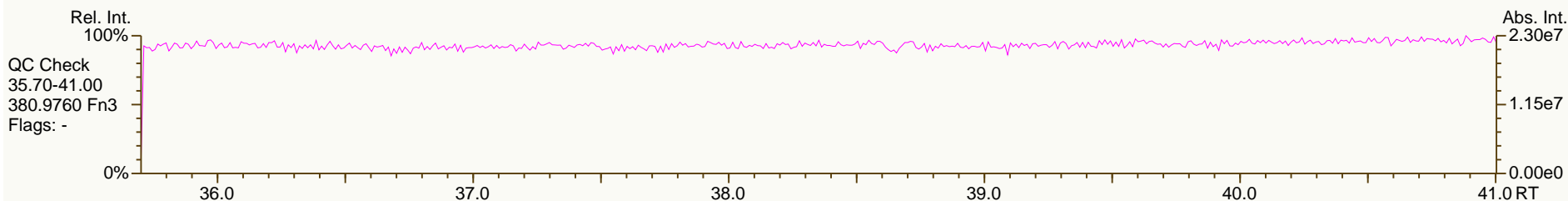
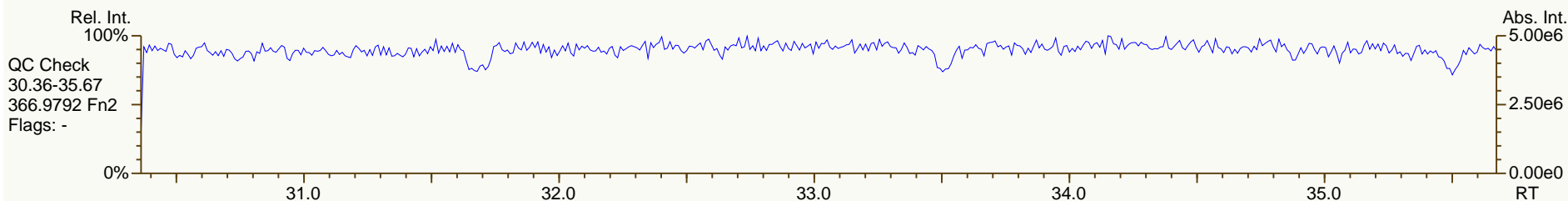
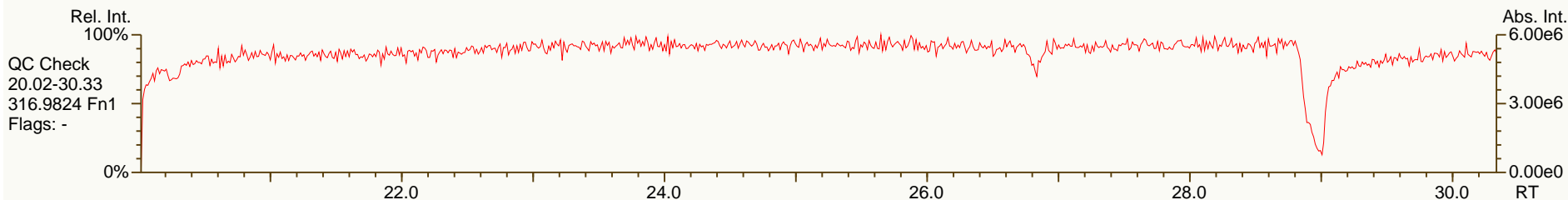
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JS 1234-TCDF	25.48		-	-	-	1.11E+08	0.72	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.95E+07	1.22	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0276	-0.2	3.05E+07	n/a	-	1.10	98.6
CS 12347-PeCDD	33.55		1.2327	1.2327	0	6.84E+07	1.61	Y	0.79	122
CS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.01E+08	1.60	Y	0.87	106
CS 123469-HxCDF	38.10		0.9749	0.9749	0	7.39E+07	0.54	Y	1.21	103
CS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	5.36E+07	0.44	Y	0.89	102
SS 37Cl-2378-TCDD	27.96		1.0277	1.0276	-0.2	3.05E+07	n/a	-	1.09	104
SS 12347-PeCDD	33.55		1.2327	1.2327	0	6.84E+07	1.61	Y	0.89	124
SS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.01E+08	1.60	Y	0.99	108
SS 123469-HxCDF	38.10		0.9749	0.9749	0	7.39E+07	0.54	Y	0.87	109
SS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	5.36E+07	0.44	Y	0.87	108
AS 1368-TCDD	23.92		0.8792	0.8791	-0.2	7.48E+07	0.81	Y	1.00	106
AS 1368-TCDF	21.76		0.8532	0.8543	+1.7	1.27E+08	0.79	Y	1.20	95.7
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	16.8	17.5	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	19.3	19.3	Original Values	Corrected Values
Total HxCDD	31.8	32.5	Ratio 0.54	0.91
Total HpCDD	54.6	54.6	Response 6.91E+04	5.08E+04
Total Tetra-Octa Dioxins	279	281		
Total TCDF	11	12.2		
Total PeCDF	6.23	6.96		
Total HxCDF	8.08	9.06		
Total HpCDF	12	12		
Total Tetra-Octa Furans	45.9	48.7		
Total Tetra-Octa Dioxins & Furans	325	329		

SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

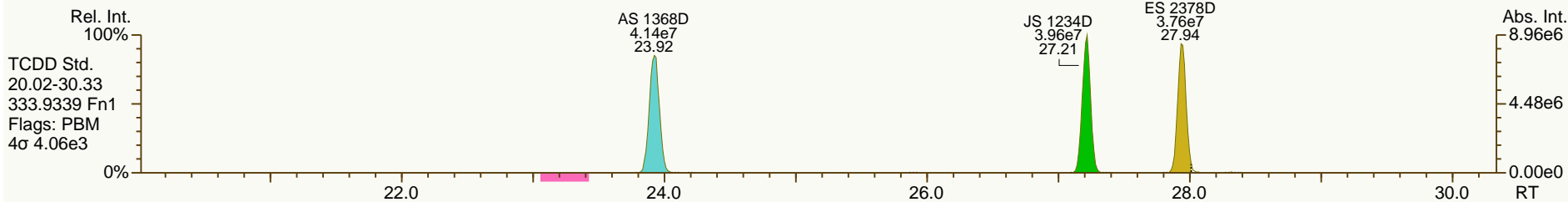
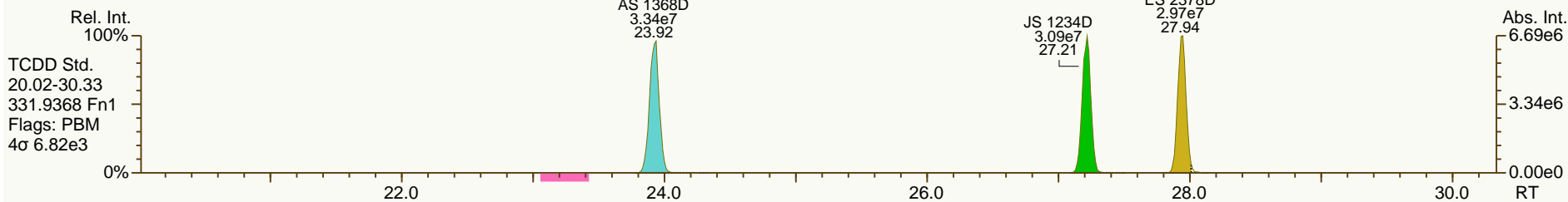
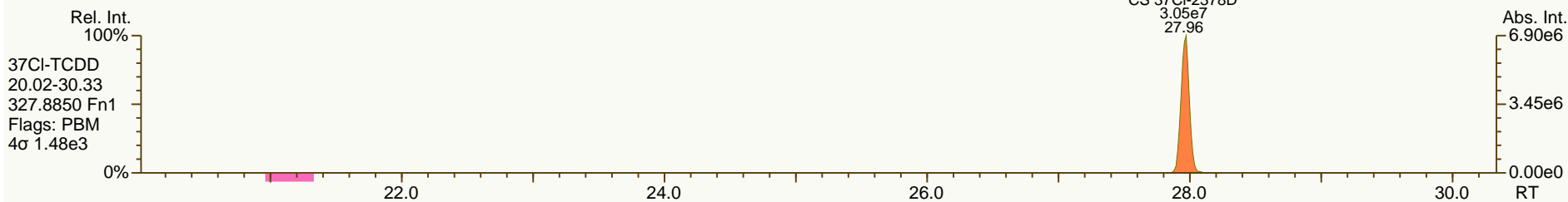
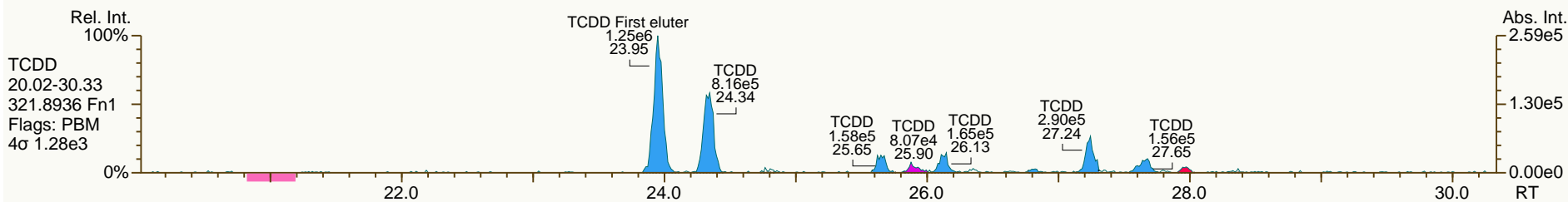
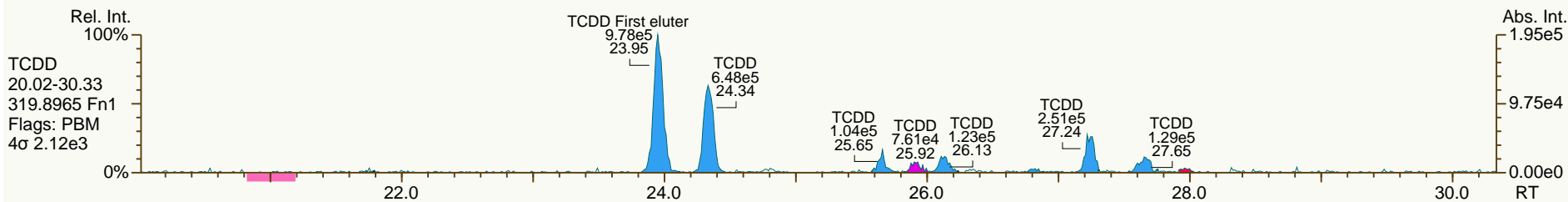
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

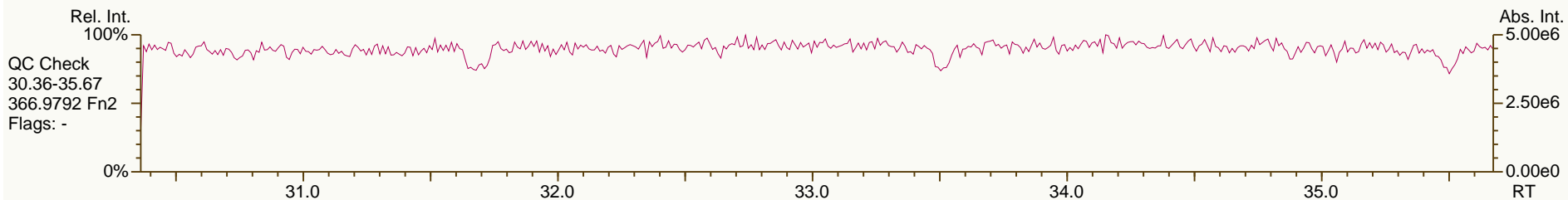
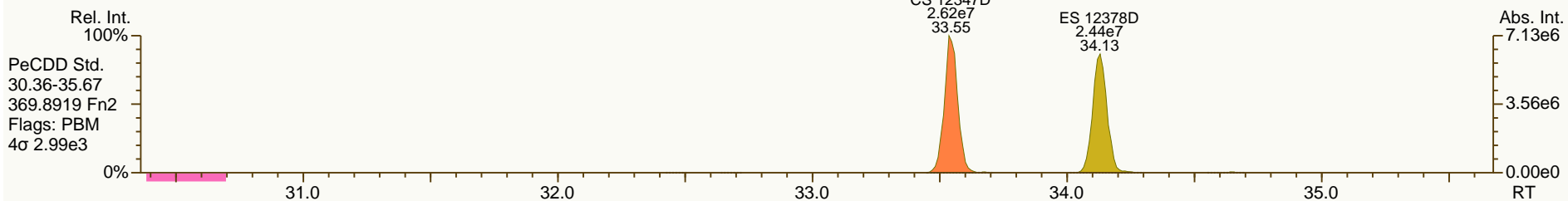
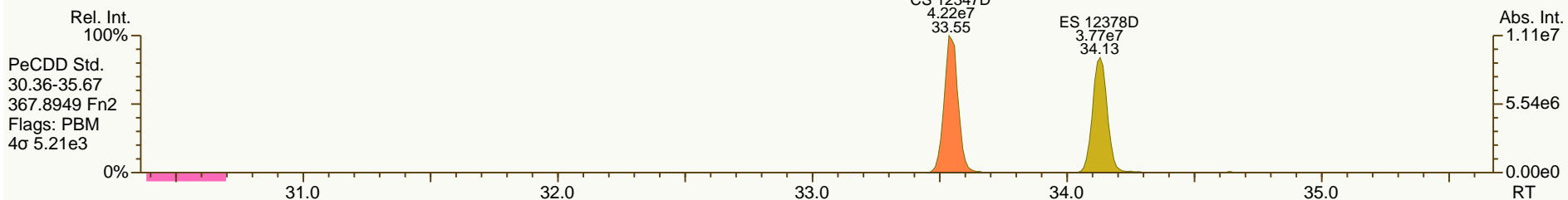
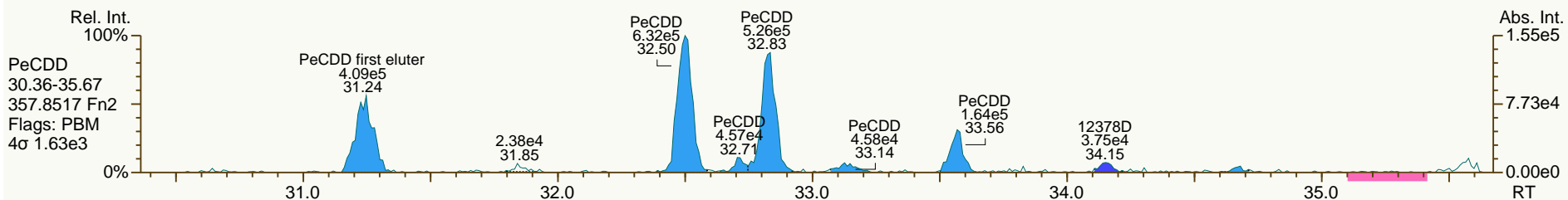
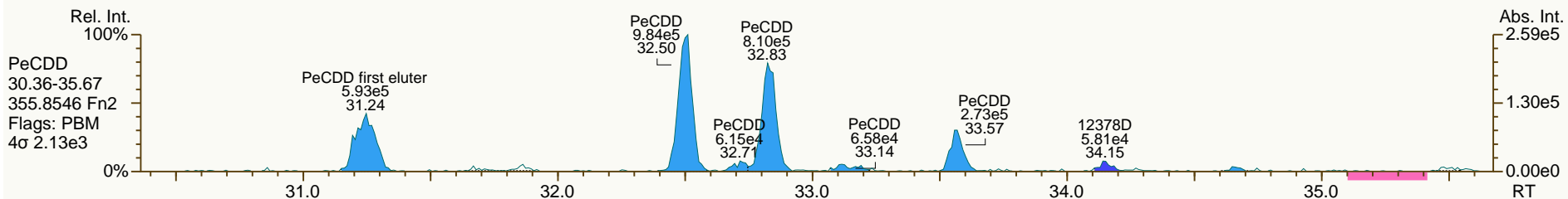
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 User: MDC Datafile: 130718P1-08



SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

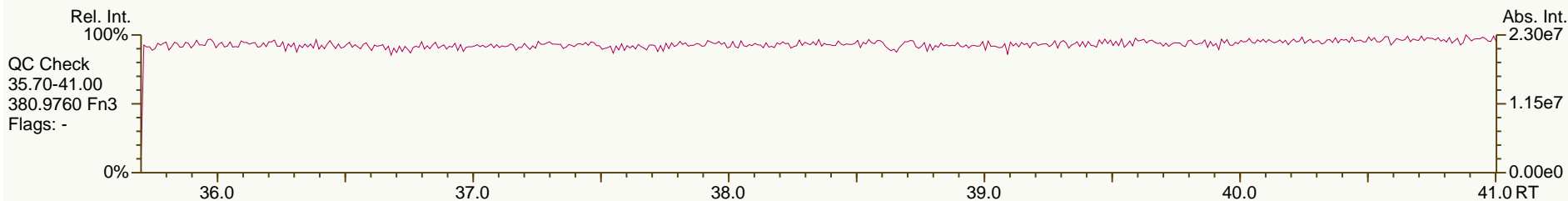
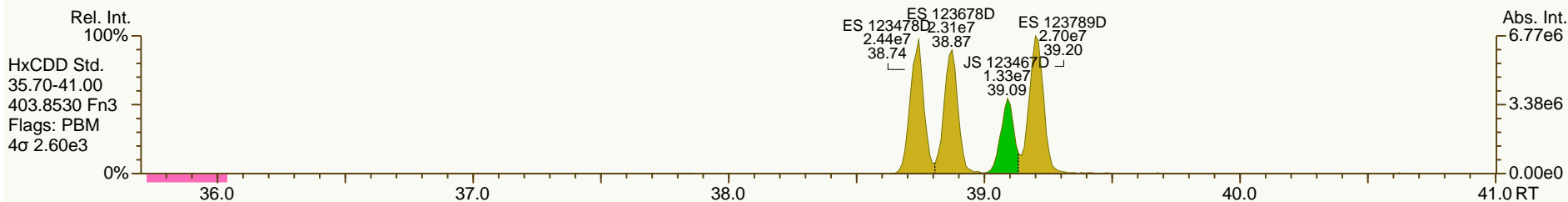
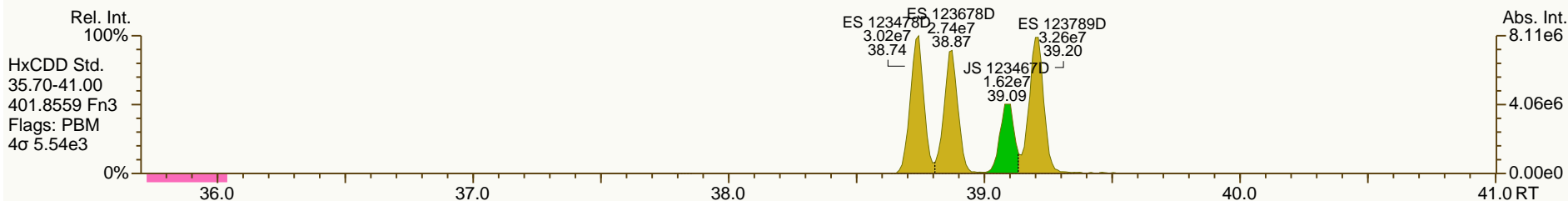
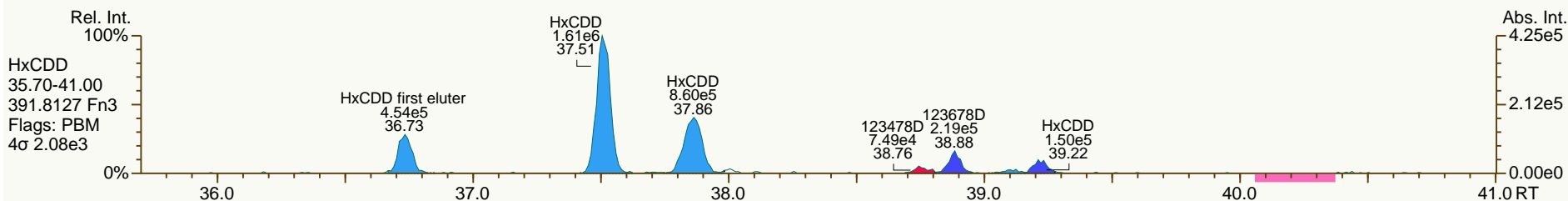
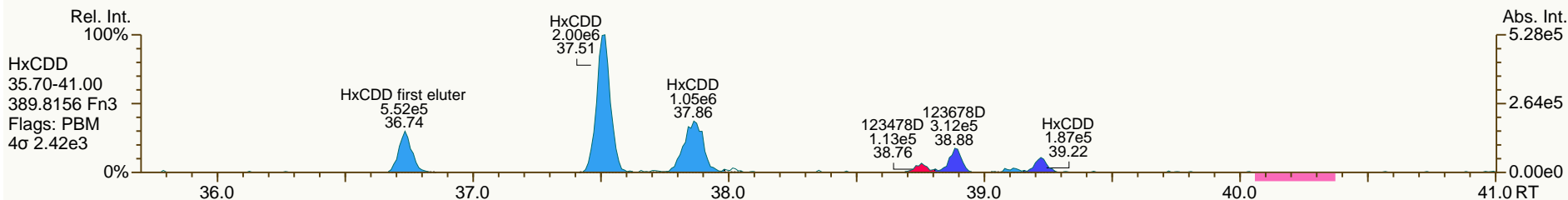
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

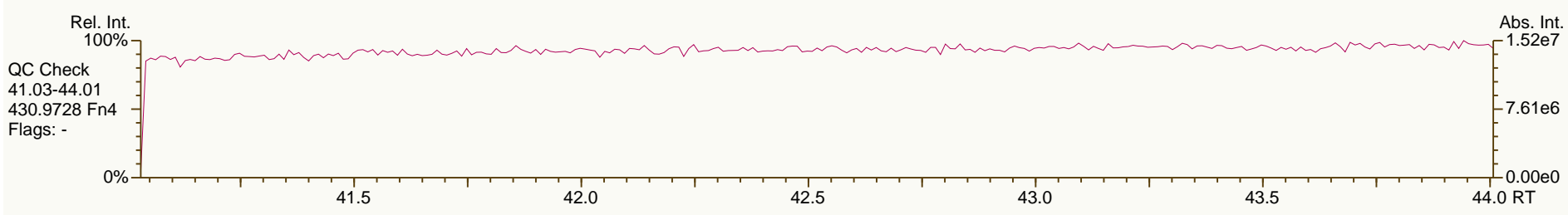
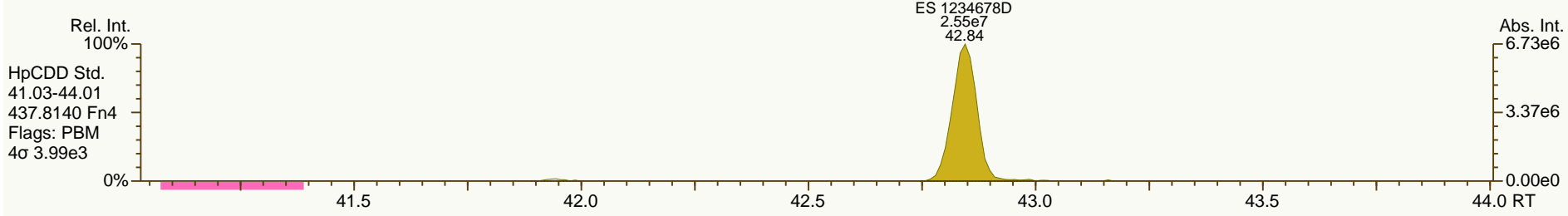
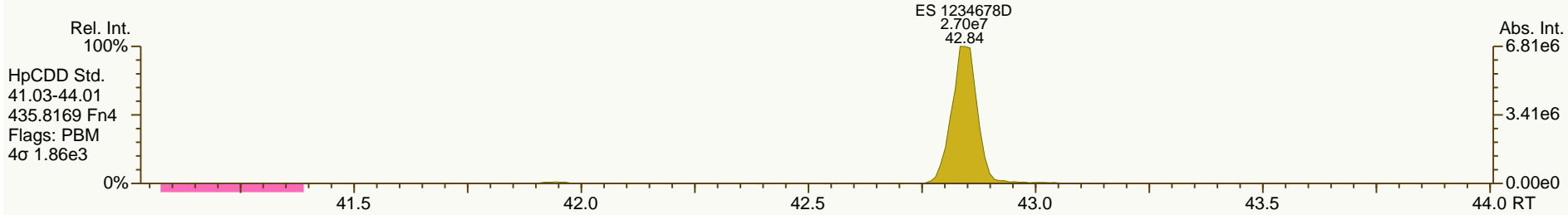
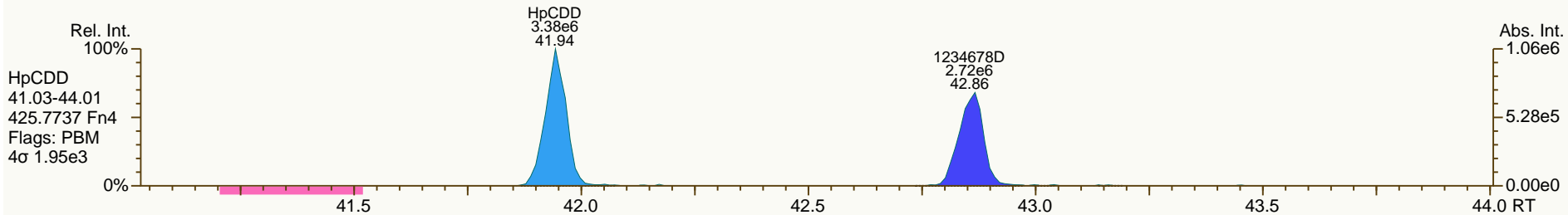
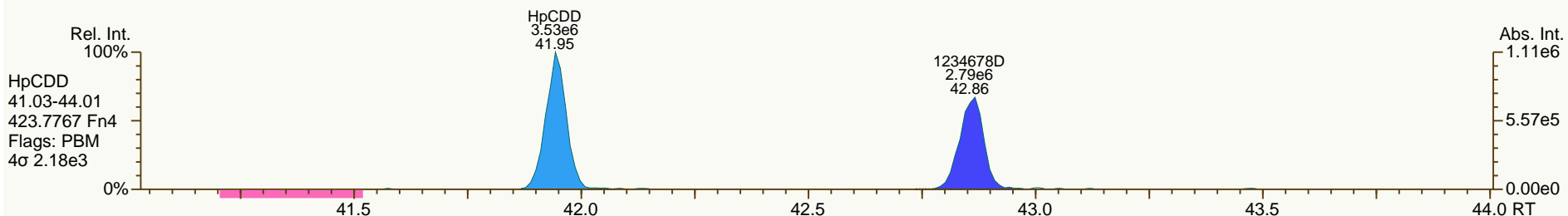
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

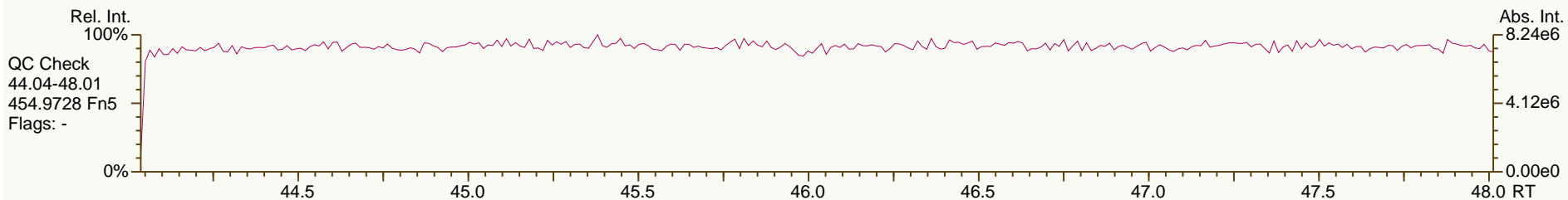
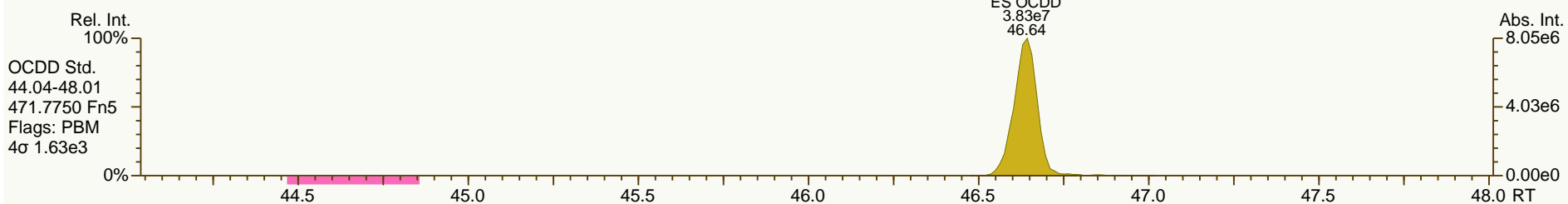
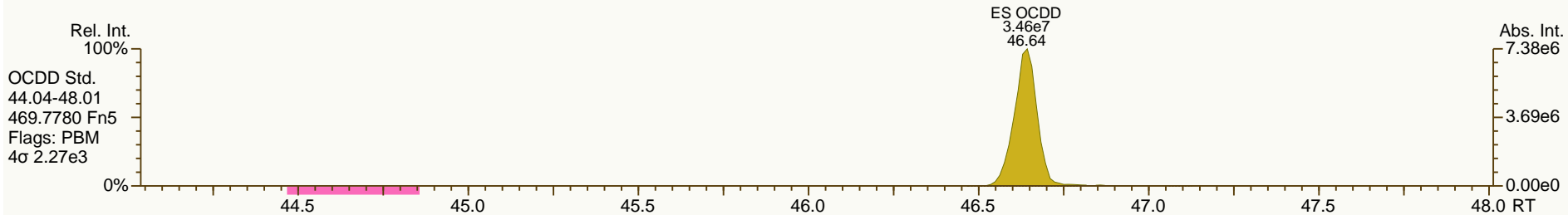
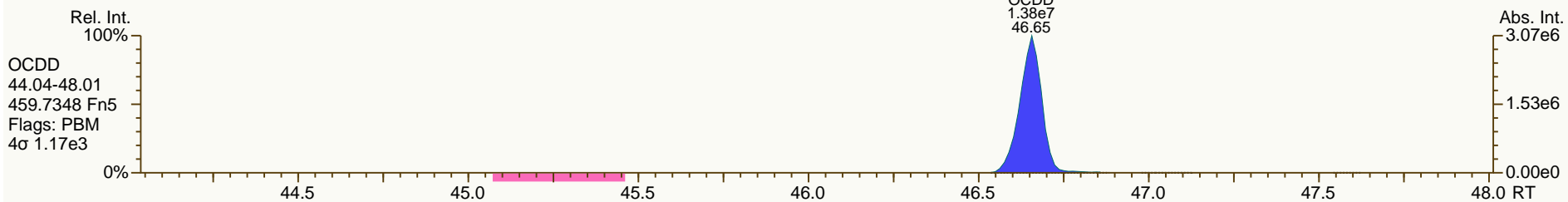
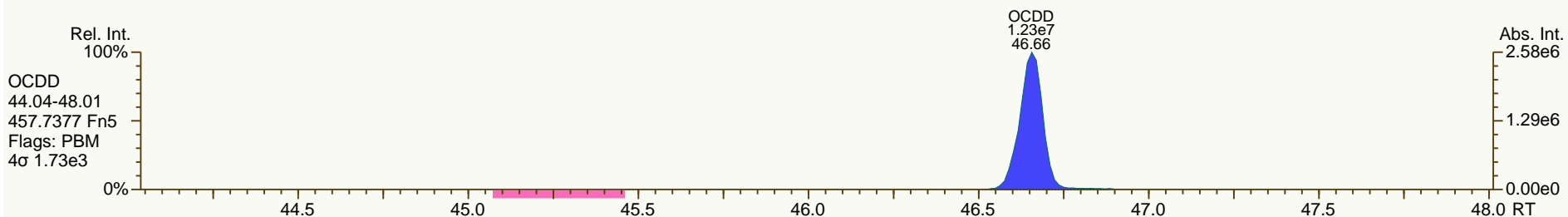
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

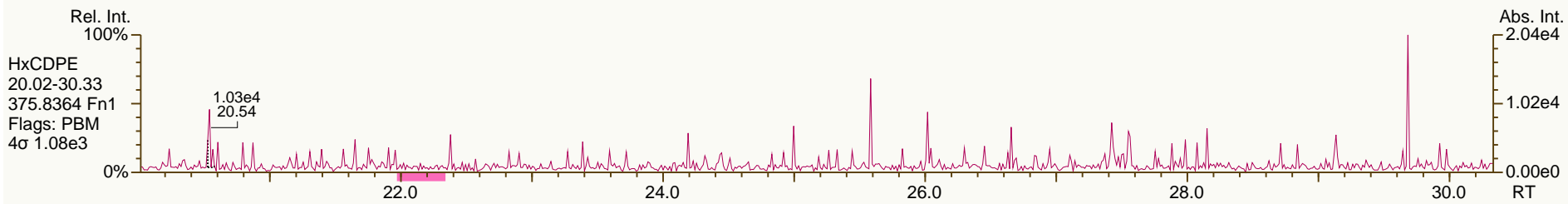
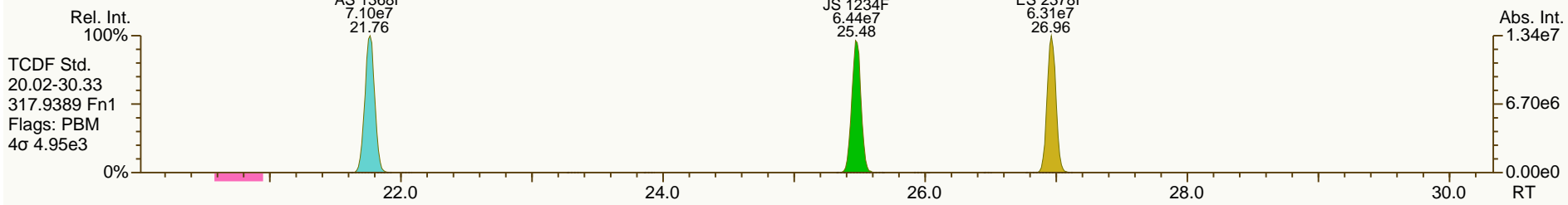
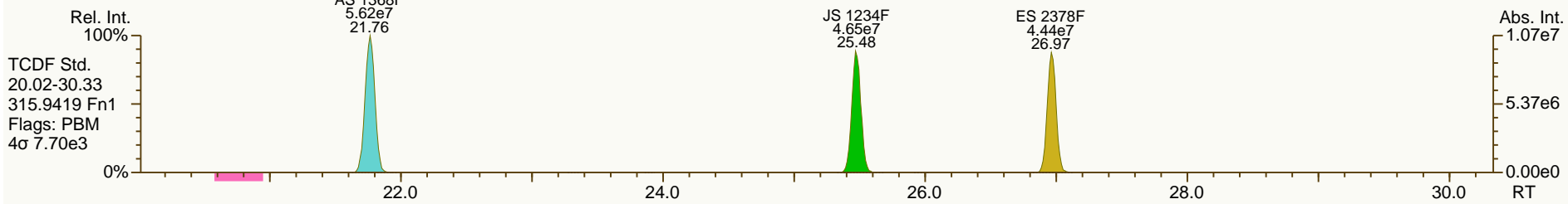
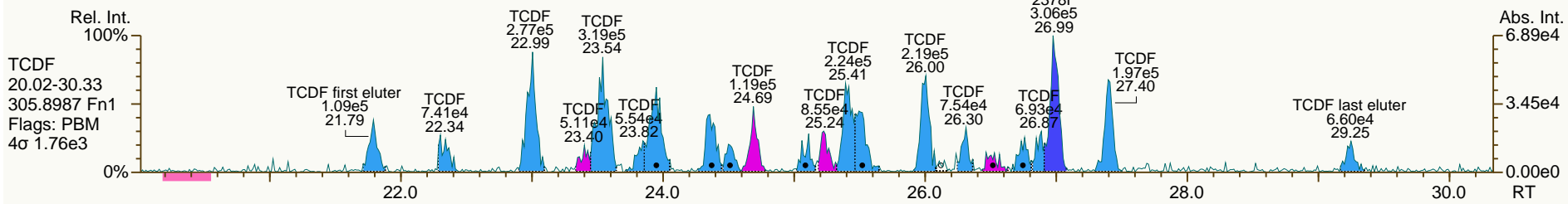
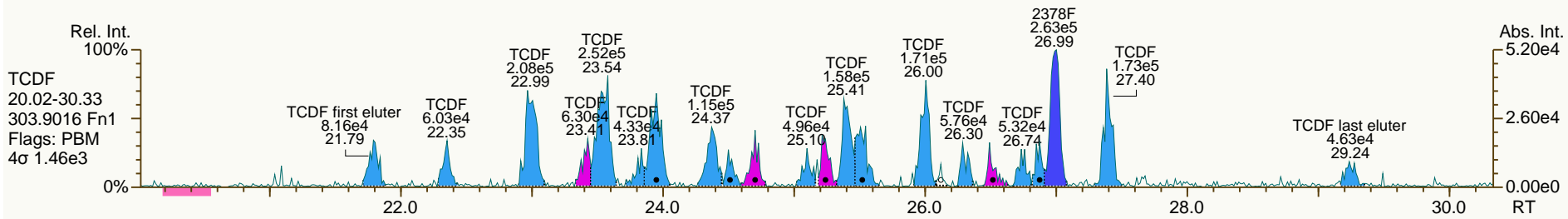
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

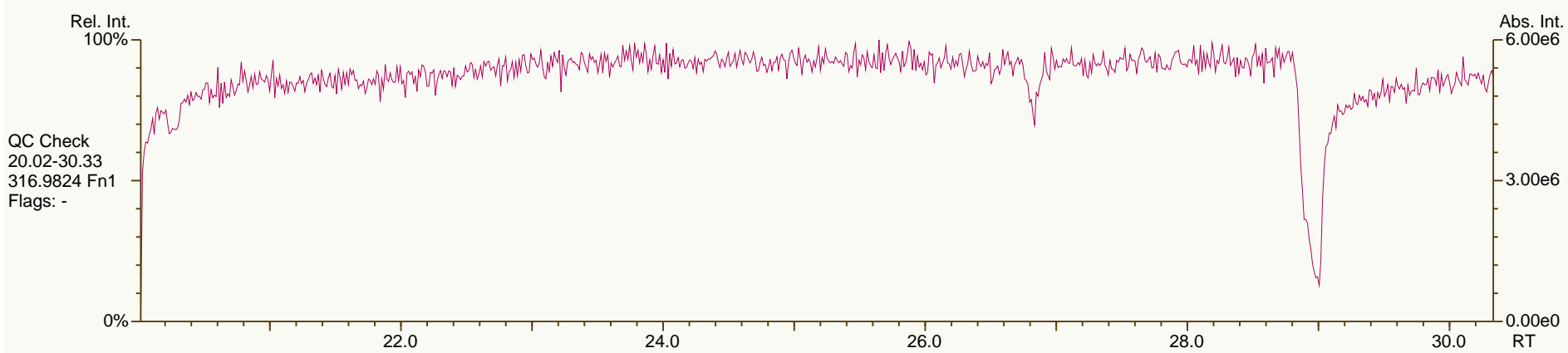
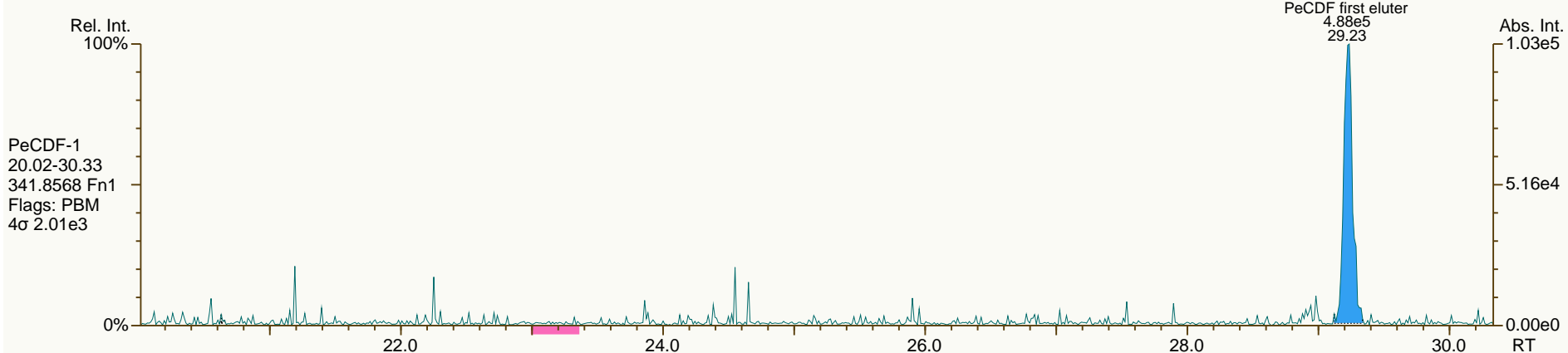
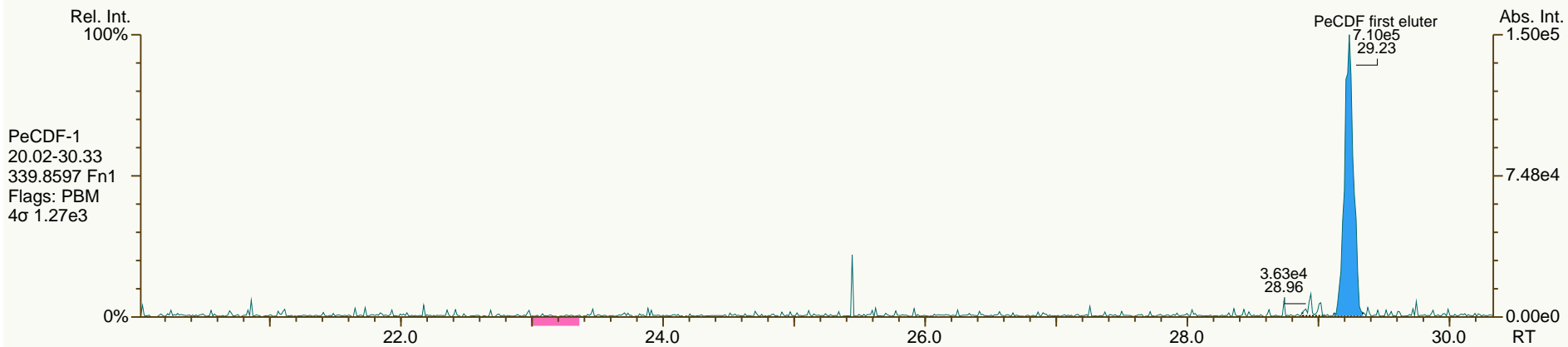
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

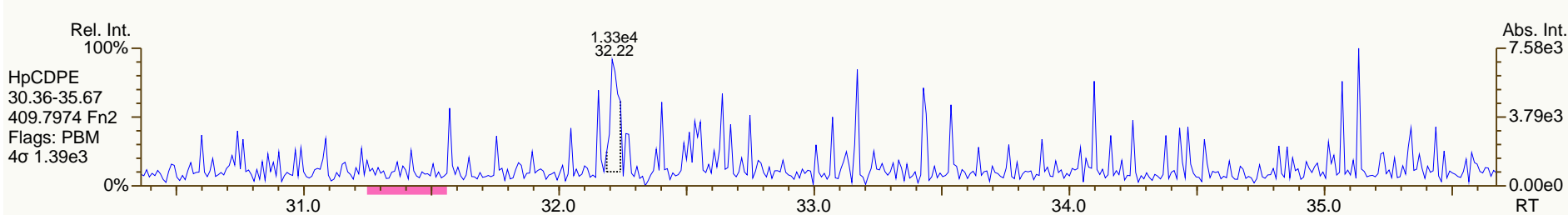
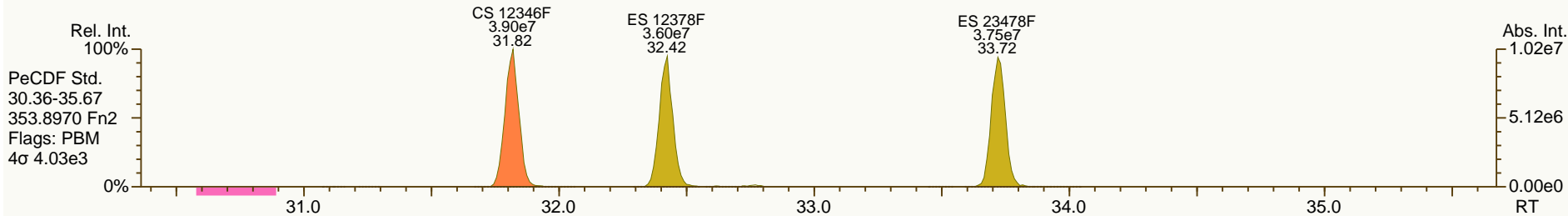
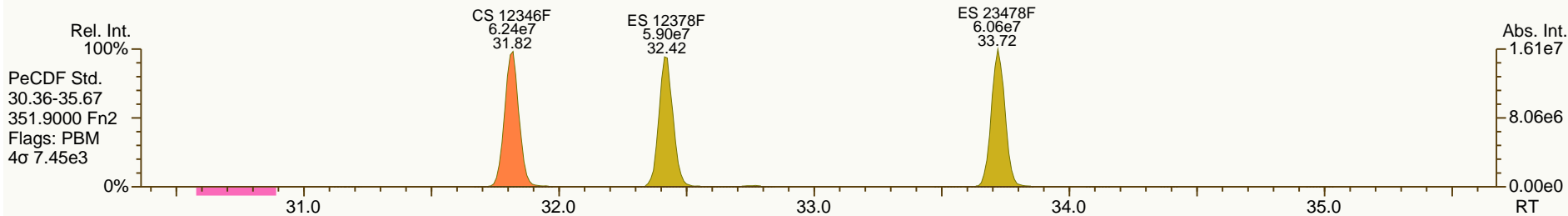
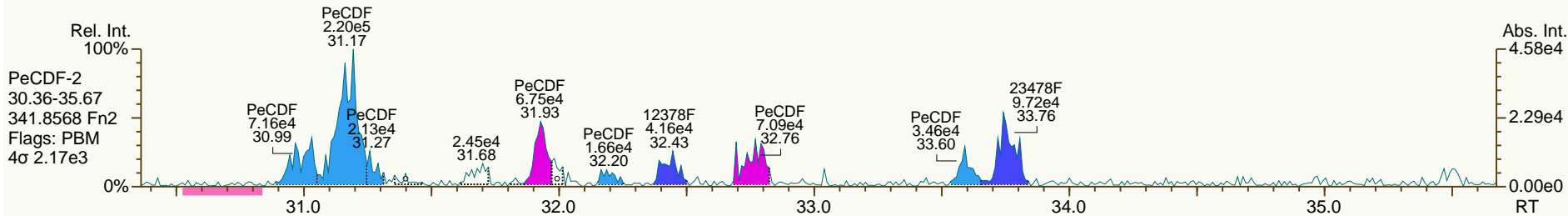
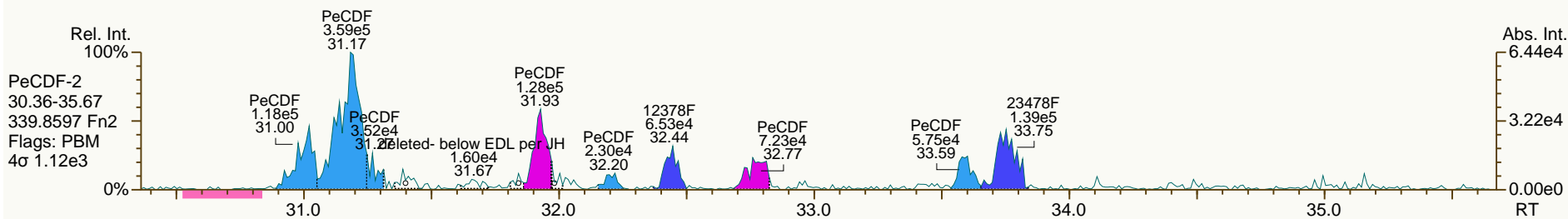
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

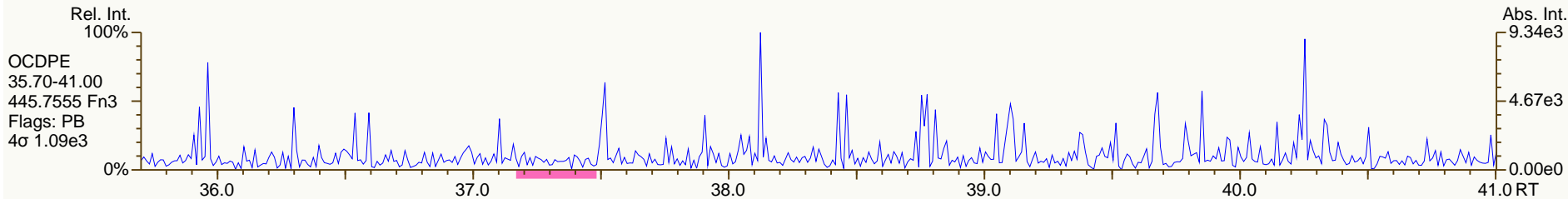
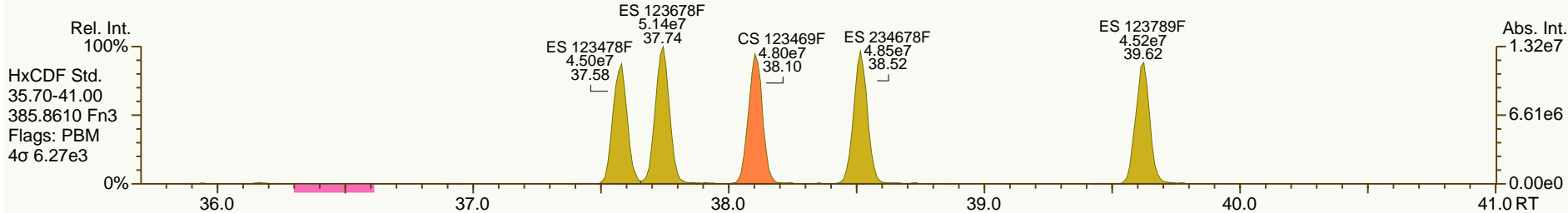
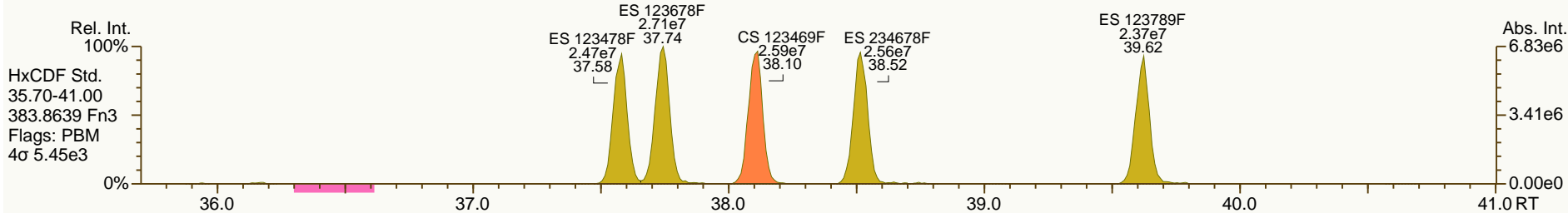
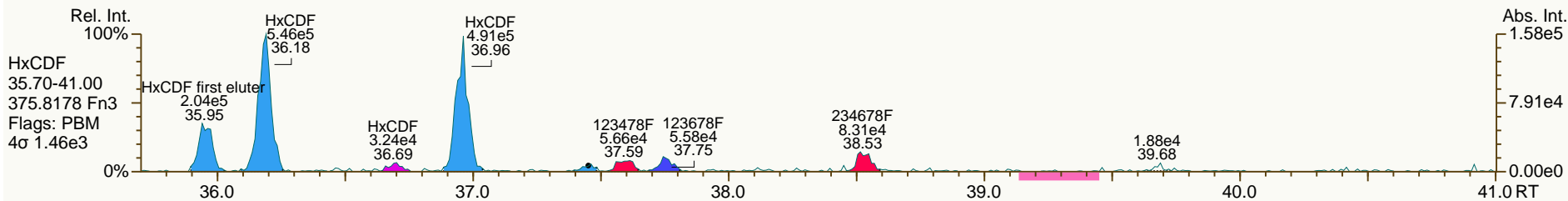
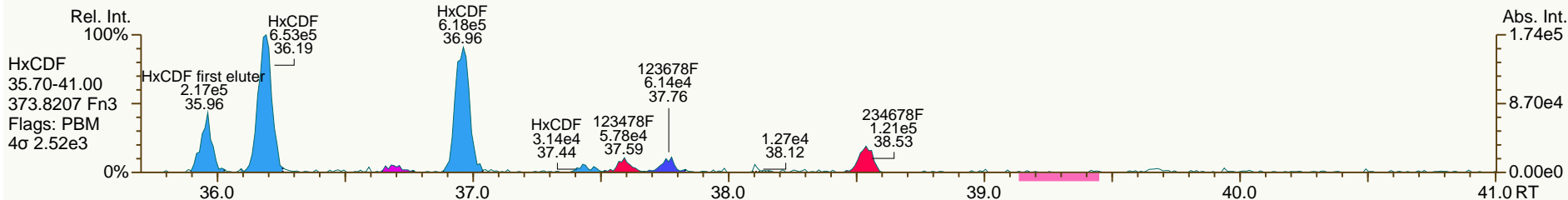
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

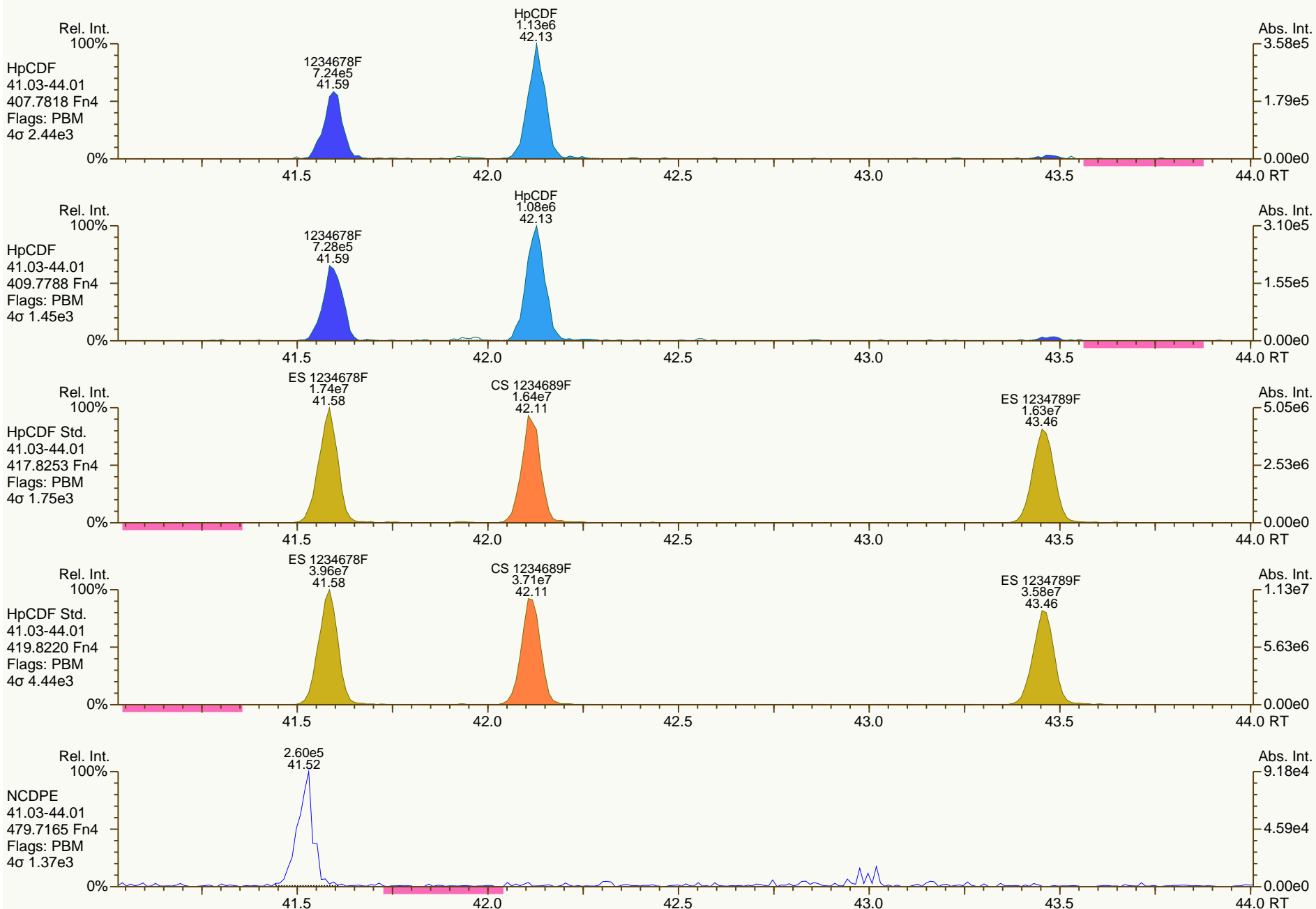
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

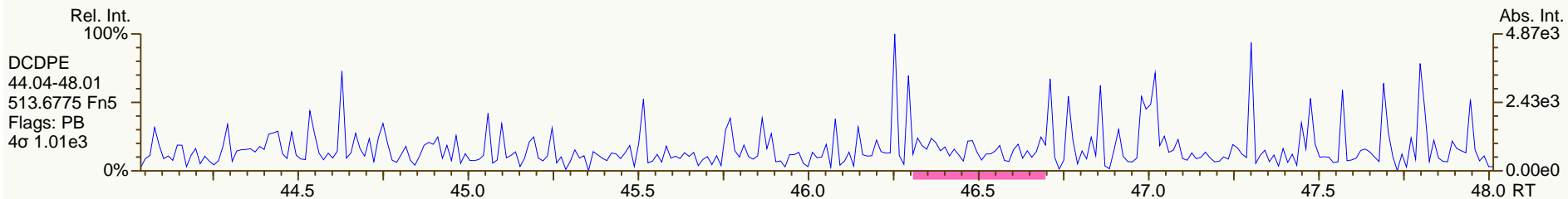
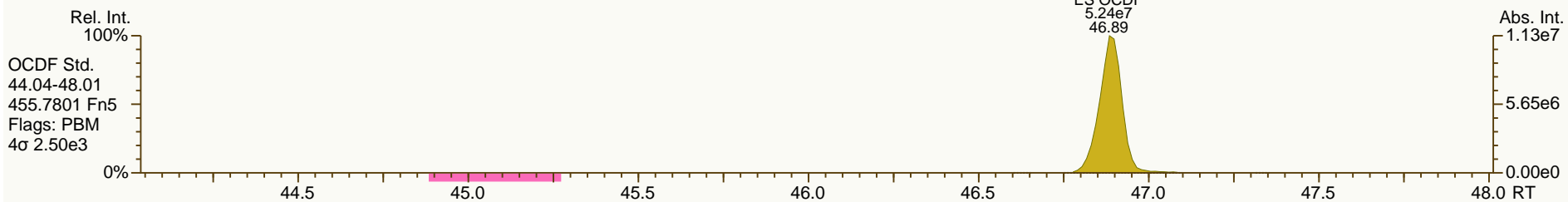
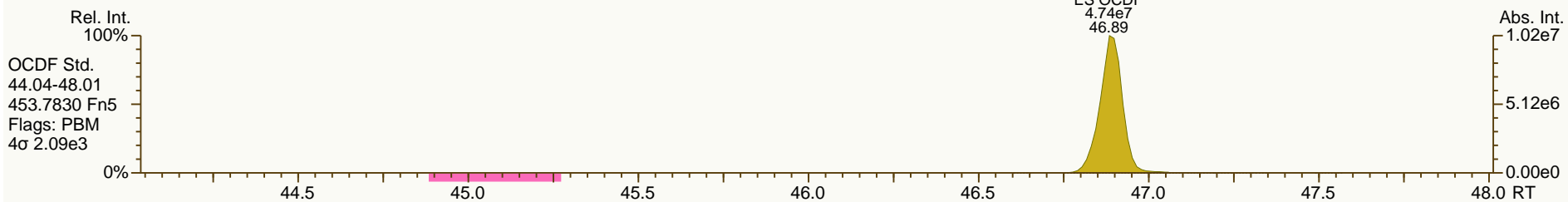
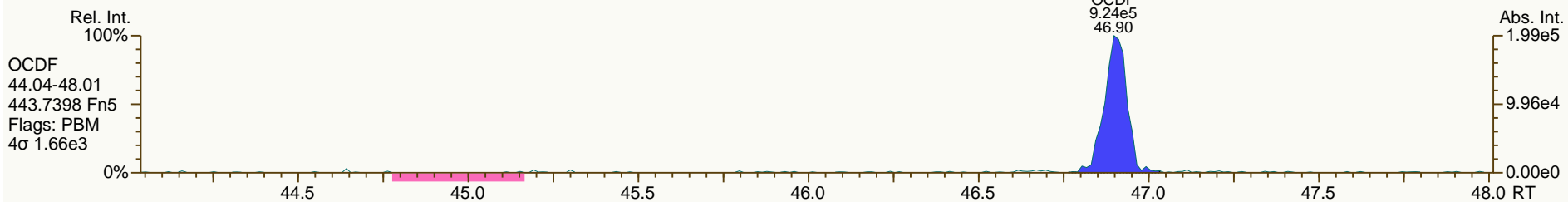
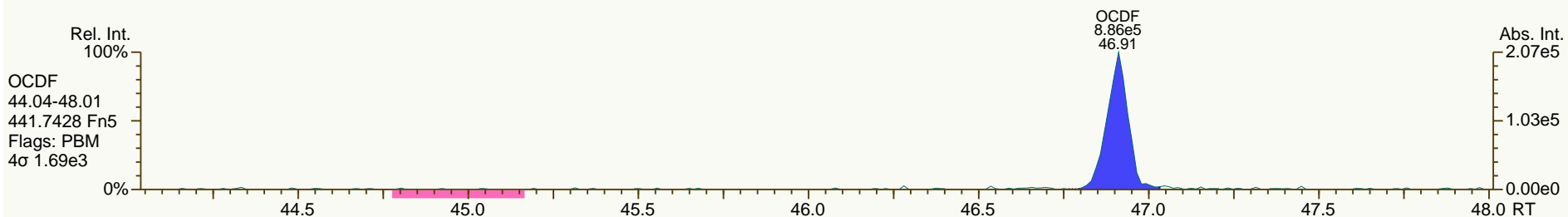
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SGS-AP ID: A5698_11123_DF_007
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-SS-216-130429
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 18-JUL-2013 18:30:12
 User: MDC Datafile: 130718P1-08



Lab ID: A5698_11123_DF_008

Acq'd: 18 Jul 2013 19:22 MDC

Wt/Vol: 5.40 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA02-SC05-D-130423

UTP: 22-Jul-2013 14:18 MDC

J-level: 0.927 pg/g

Split: 1

Checkcode: 555-473-JWN

Datafile: 130718P1-09

Report: 22 Jul 2013 14:21 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.96		1.0009	1.0009	0	3.33E+05	0.89	N	1.06	1.39	3291	0.159
12378-PeCDD	34.15		1.0006	1.0006	0	1.55E+06	1.54	Y	0.94	8.36	5417	0.288
123478-HxCDD	38.76		1.0004	1.0006	+0.5	3.01E+06	1.28	Y	1.02	16.9	9765	0.514
123678-HxCDD	38.88		1.0039	1.0038	-0.2	2.34E+07	1.25	Y	1.04	136	9765	0.558
123789-HxCDD	39.22		1.0125	1.0125	0	7.96E+06	1.22	Y	0.98	43.2	9765	0.495
1234678-HpCDD	42.86		1.0004	1.0004	0	5.85E+08	1.03	Y	1.02	2,940	7760	0.377
OCDD	46.68		1.0003	1.0004	+0.3	5.84E+09	0.90	Y	1.08	35,500	3942	0.306
2378-TCDF	26.98		1.0009	1.0007	-0.3	4.80E+06	0.77	Y	0.97	14.8	3632	0.132
12378-PeCDF	32.43		1.0006	1.0006	0	1.18E+06	1.49	Y	1.00	4.18	7035	0.245
23478-PeCDF	33.76		1.0006	1.0011	+1.0	3.33E+06	1.47	Y	0.96	11.6	7035	0.229
123478-HxCDF	37.59		1.0005	1.0005	0	5.03E+06	1.20	Y	1.23	18.4	13931	0.506
123678-HxCDF	37.76		1.0005	1.0006	+0.2	4.97E+06	1.28	Y	1.14	17.2	13931	0.488
234678-HxCDF	38.53		1.0005	1.0004	-0.2	8.31E+06	1.25	Y	1.14	30.4	13931	0.503
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	13931	0.553
1234678-HpCDF	41.60		1.0004	1.0003	-0.2	1.45E+08	1.03	Y	1.34	559	5691	0.199
1234789-HpCDF	43.47		1.0003	1.0003	0	7.28E+06	1.03	Y	1.30	31.5	5691	0.223
OCDF	46.92		1.0004	1.0004	0	2.36E+08	0.89	Y	1.00	1,250	2720	0.163

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	8.36E+07	0.80	Y	1.01	97.1
ES 12378-PeCDD	34.13	1.2541	1.2542	+0.2	7.33E+07	1.58	Y	0.90	95.9
ES 123478-HxCDD	38.73	0.9910	0.9910	0	6.44E+07	1.21	Y	0.99	88.5
ES 123678-HxCDD	38.87	0.9944	0.9944	0	6.17E+07	1.20	Y	1.02	82.3
ES 123789-HxCDD	39.20	1.0030	1.0029	-0.2	6.96E+07	1.19	Y	1.12	85.2
ES 1234678-HpCDD	42.85	1.0959	1.0962	+0.7	7.22E+07	1.09	Y	0.90	109
ES OCDD	46.66	1.1930	1.1938	+1.9	1.13E+08	0.90	Y	0.74	104
ES 2378-TCDF	26.96	1.0586	1.0585	-0.2	1.23E+08	0.75	Y	1.05	90.9
ES 12378-PeCDF	32.41	1.2725	1.2723	-0.3	1.05E+08	1.62	Y	0.88	92.5
ES 23478-PeCDF	33.72	1.3237	1.3236	-0.2	1.10E+08	1.58	Y	0.91	94.1
ES 123478-HxCDF	37.57	0.9613	0.9612	-0.2	8.24E+07	0.55	Y	1.25	89.8
ES 123678-HxCDF	37.74	0.9655	0.9655	0	9.46E+07	0.54	Y	1.40	92.1
ES 234678-HxCDF	38.51	0.9853	0.9853	0	8.87E+07	0.53	Y	1.29	93.4
ES 123789-HxCDF	39.62	1.0136	1.0136	0	8.32E+07	0.53	Y	1.17	97.4
ES 1234678-HpCDF	41.58	1.0636	1.0638	+0.5	7.16E+07	0.46	Y	1.03	94.9
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	6.60E+07	0.44	Y	0.89	102
ES OCDF	46.91	1.1993	1.2000	+1.6	1.41E+08	0.89	Y	1.00	95.9

Lab ID: A5698_11123_DF_008

Acq'd: 18 Jul 2013 19:22 MDC

Wt/Vol: 5.40 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA02-SC05-D-130423

UTP: 22-Jul-2013 14:18 MDC

J-level: 0.927 pg/g

Split: 1

Checkcode: 555-473-JWN

Datafile: 130718P1-09

Report: 22 Jul 2013 14:21 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

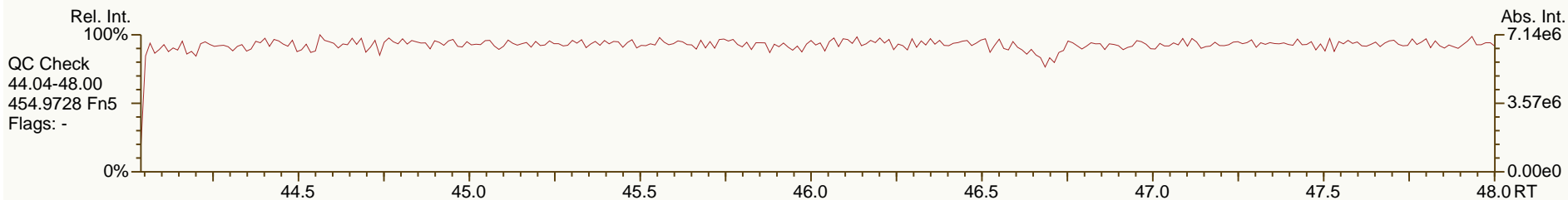
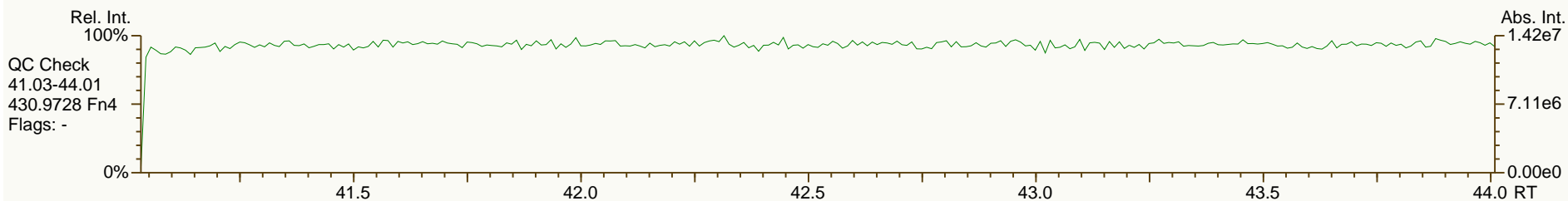
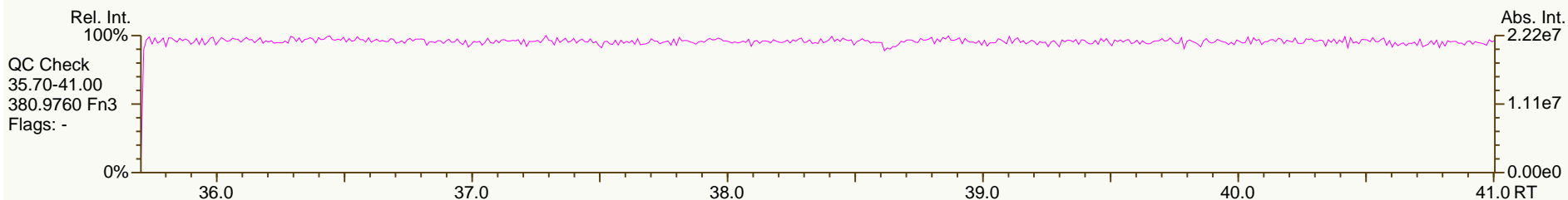
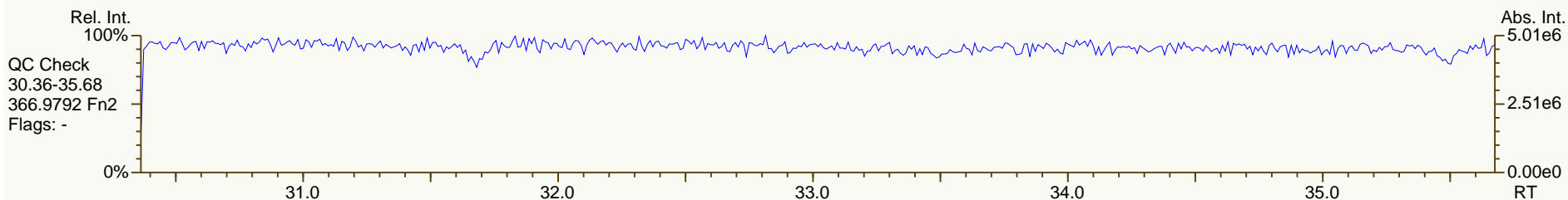
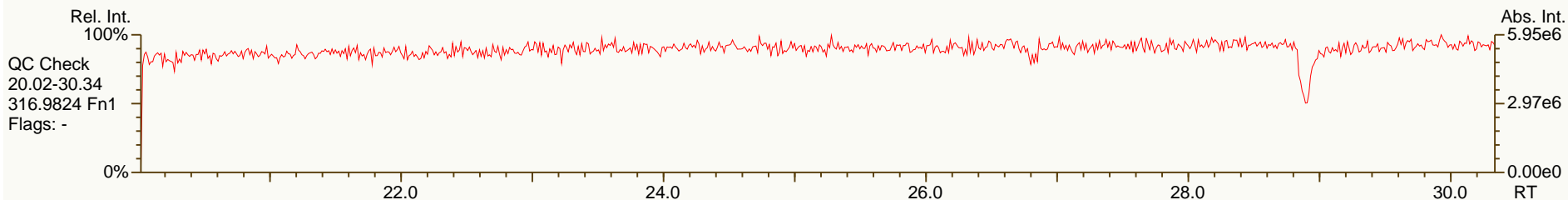
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JS 1234-TCDD	27.21		-	-	-	8.52E+07	0.79	Y	-	-
JS 1234-TCDF	25.48		-	-	-	1.29E+08	0.77	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	3.66E+07	1.21	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	3.74E+07	n/a	-	1.10	99.9
CS 12347-PeCDD	33.54		1.2327	1.2326	-0.2	7.73E+07	1.60	Y	0.79	114
CS 12346-PeCDF	31.81		1.2486	1.2485	-0.2	1.11E+08	1.57	Y	0.87	99.5
CS 123469-HxCDF	38.10		0.9749	0.9748	-0.2	8.98E+07	0.54	Y	1.21	101
CS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	7.26E+07	0.45	Y	0.89	111
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	3.74E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.54		1.2327	1.2326	-0.2	7.73E+07	1.60	Y	0.89	119
SS 12346-PeCDF	31.81		1.2486	1.2485	-0.2	1.11E+08	1.57	Y	0.99	107
SS 123469-HxCDF	38.10		0.9749	0.9748	-0.2	8.98E+07	0.54	Y	0.87	110
SS 1234689-HpCDF	42.11		1.0773	1.0774	+0.2	7.26E+07	0.45	Y	0.87	116
AS 1368-TCDD	23.92		0.8792	0.8791	-0.2	8.47E+07	0.83	Y	1.00	99.7
AS 1368-TCDF	21.73		0.8532	0.8531	-0.2	1.35E+08	0.76	Y	1.20	87.5
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC			
Total TCDD	116	120	* 37Cl correction has been applied to 2378-TCDD		
Total PeCDD	155	155	Original Values Corrected Values		
Total HxCDD	878	878	Ratio	0.79	0.89
Total HpCDD	5700	5700	Response	3.78E+05	3.55E+05
Total Tetra-Octa Dioxins	42300	42300			
Total TCDF	103	106			
Total PeCDF	212	213			
Total HxCDF	765	765			
Total HpCDF	1840	1840			
Total Tetra-Octa Furans	4160	4170			
Total Tetra-Octa Dioxins & Furans	46500	46500			

SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

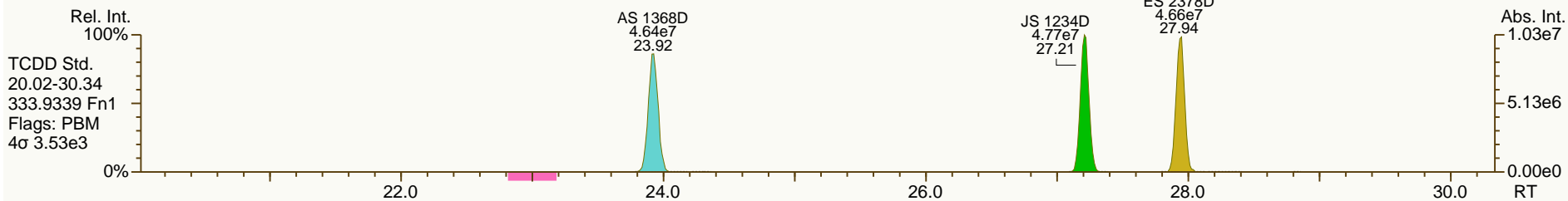
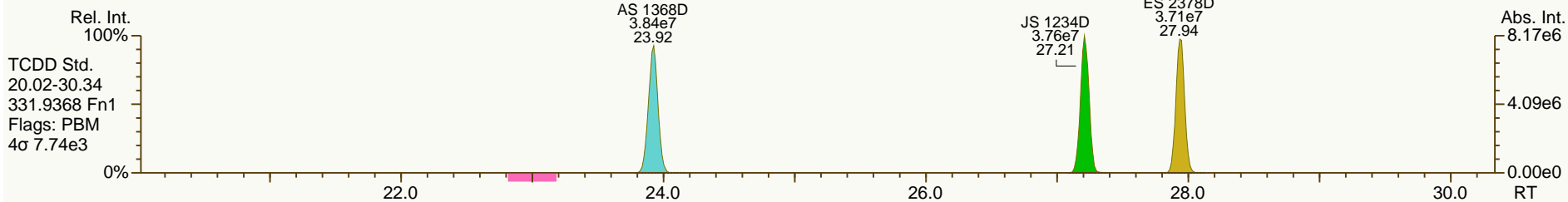
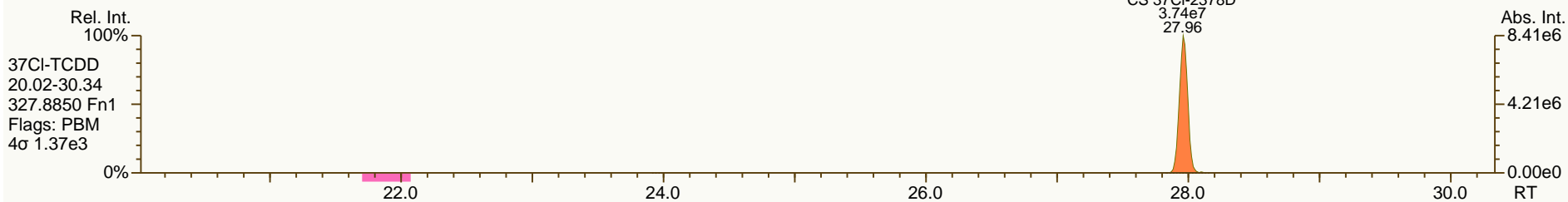
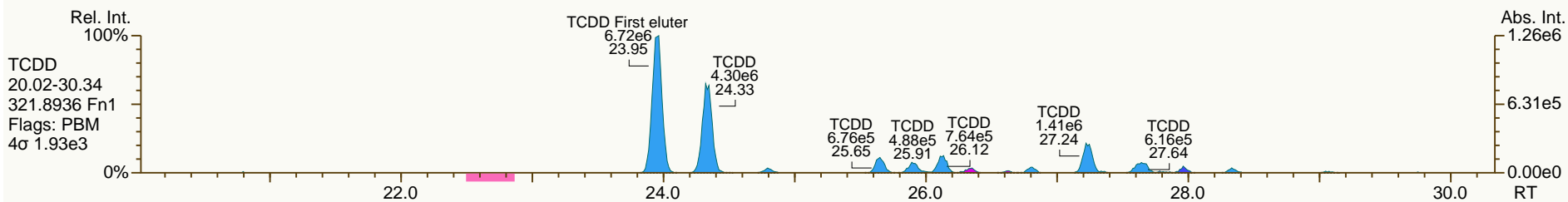
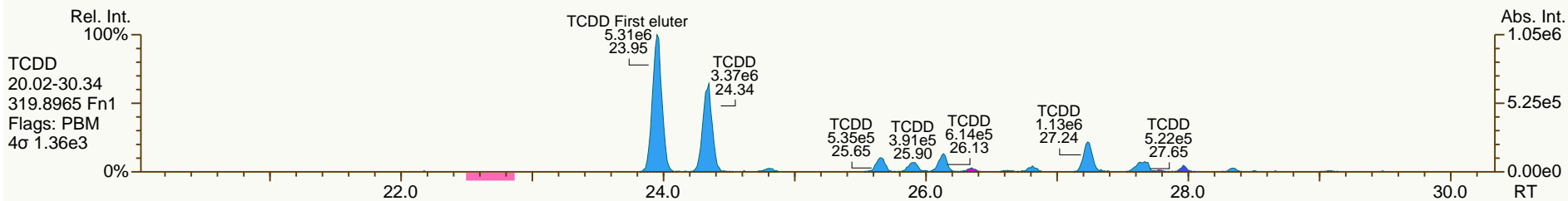
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

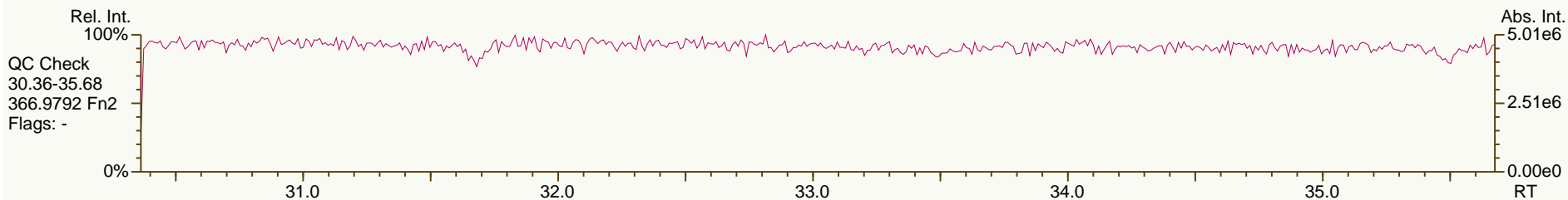
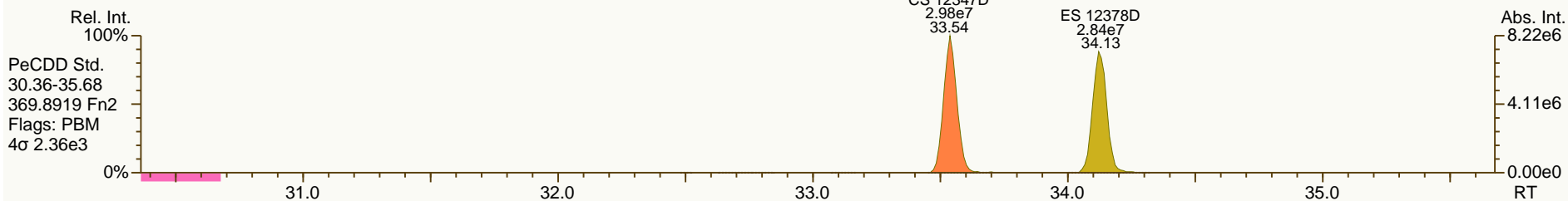
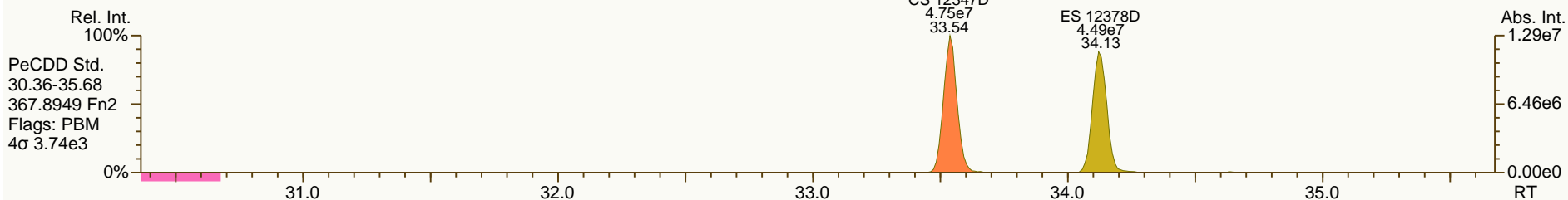
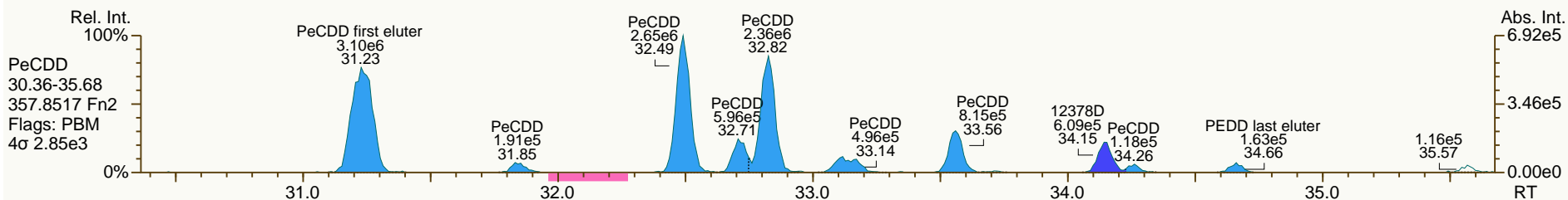
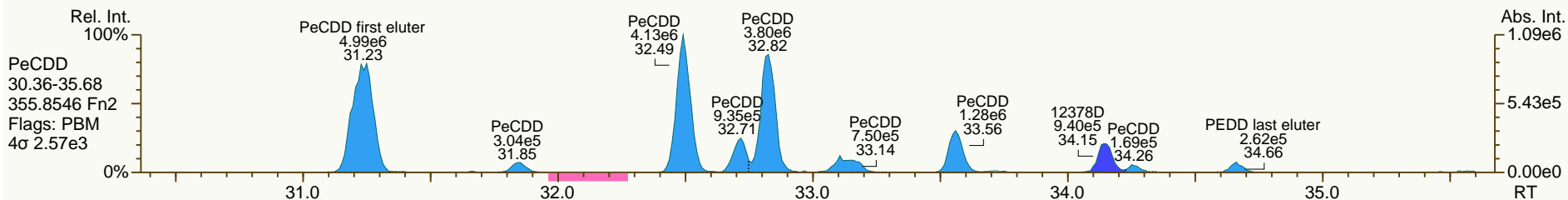
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

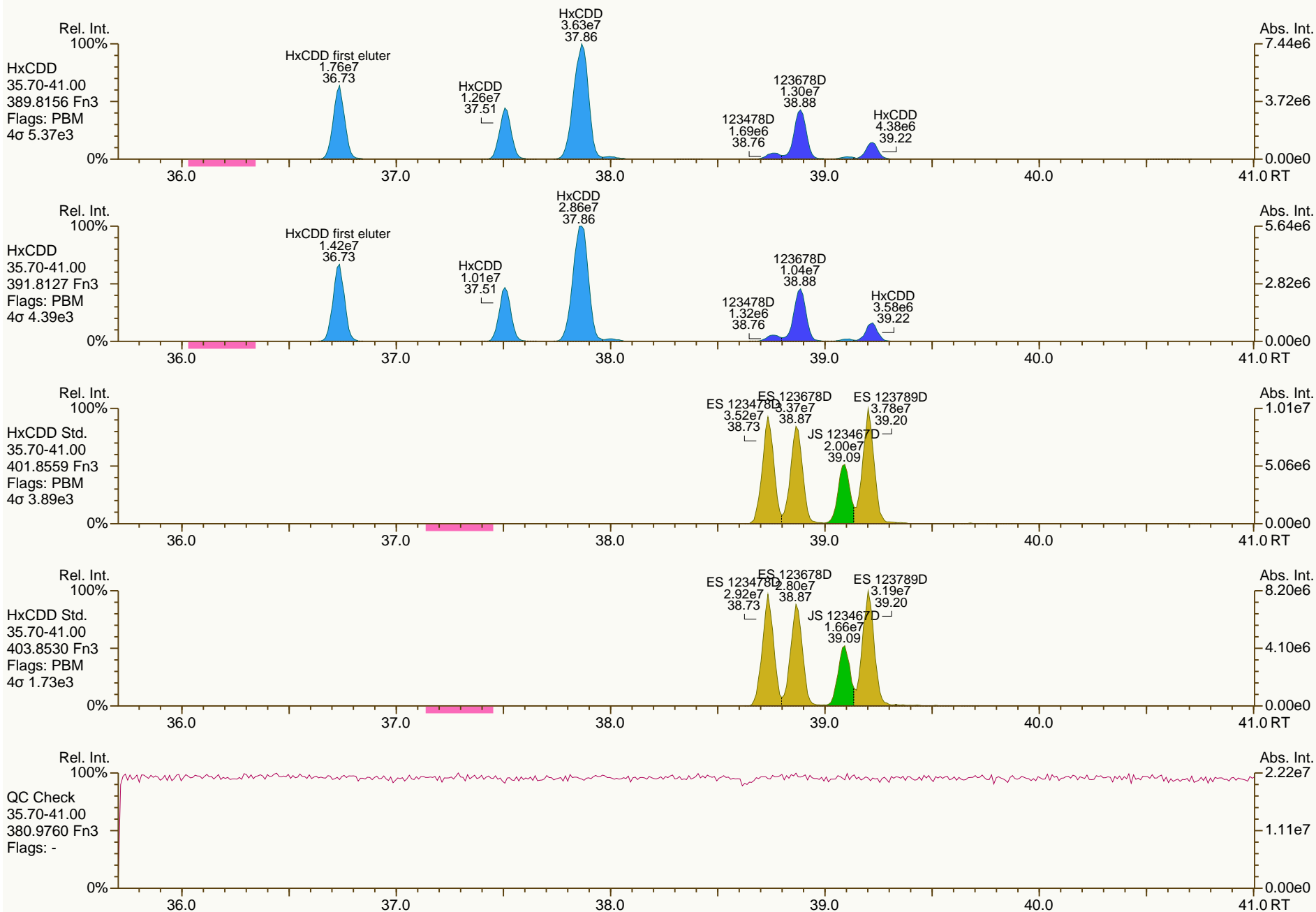
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

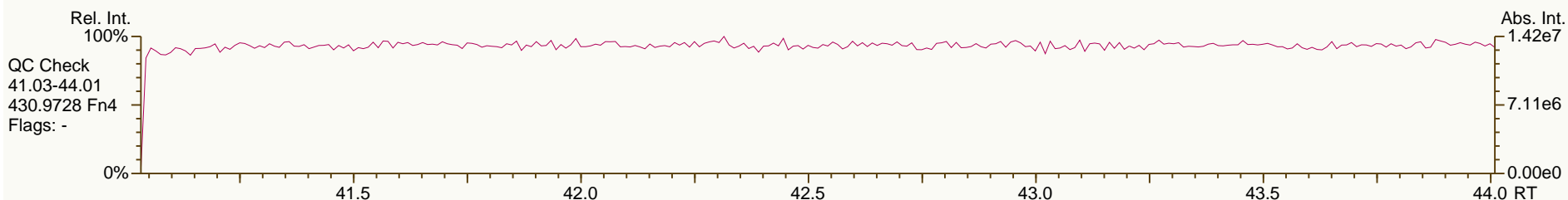
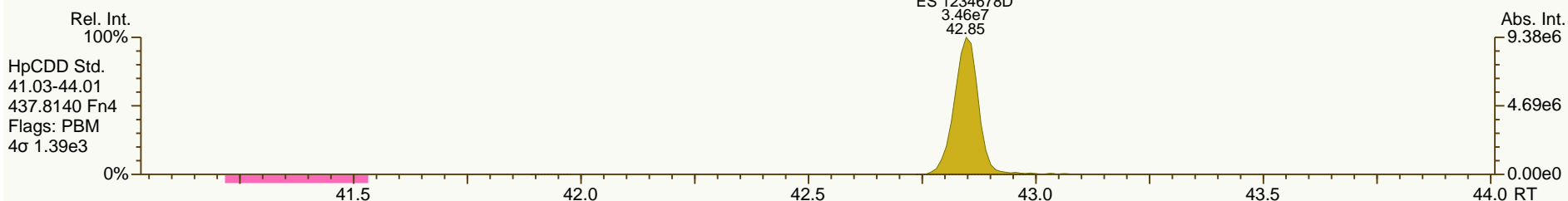
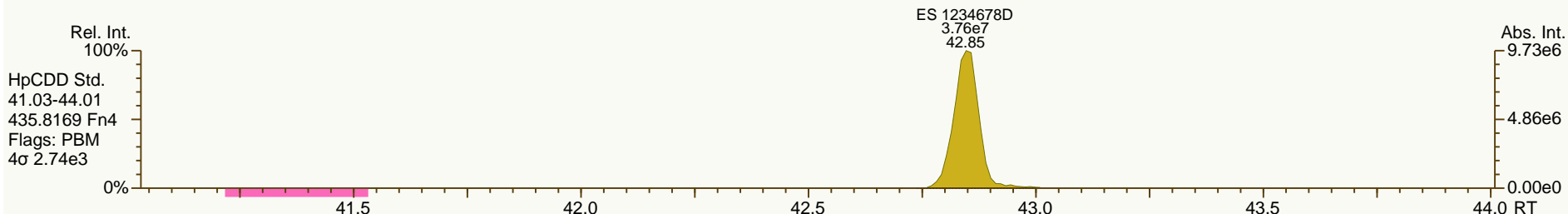
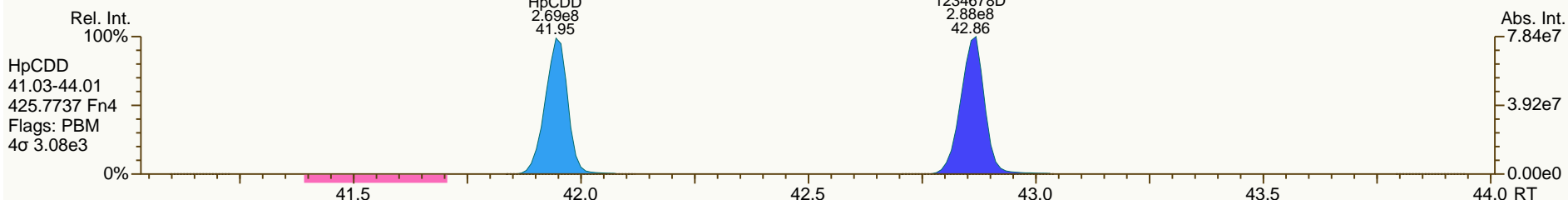
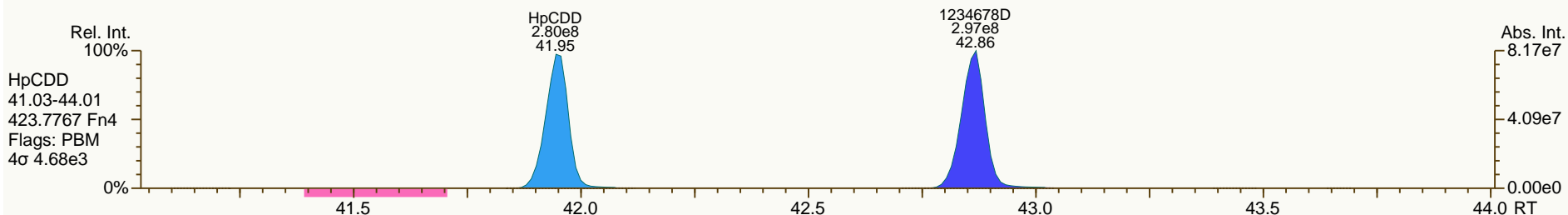
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

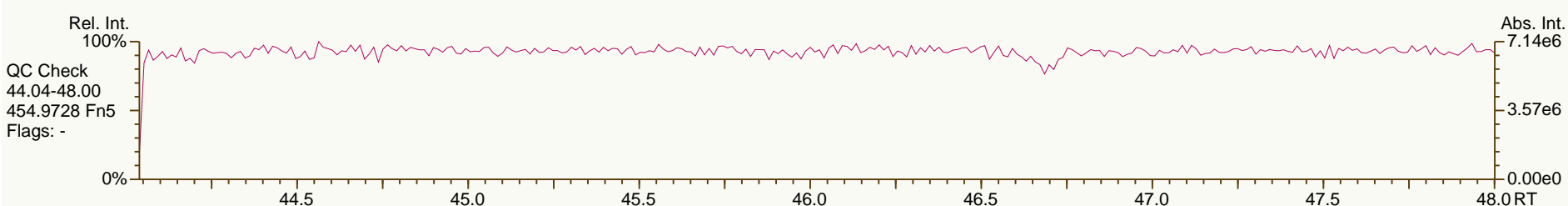
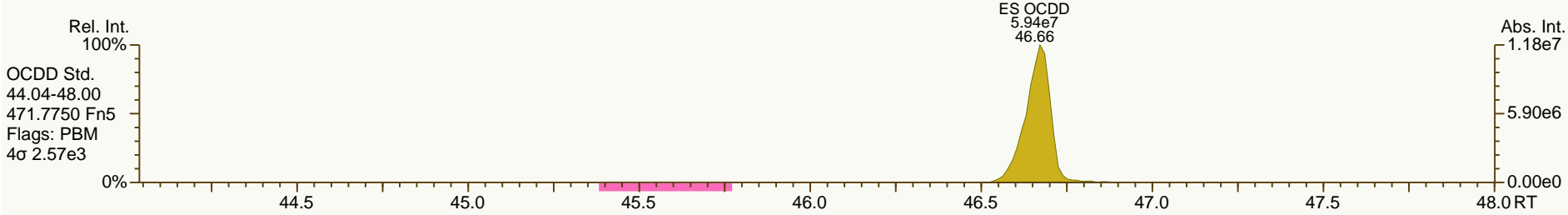
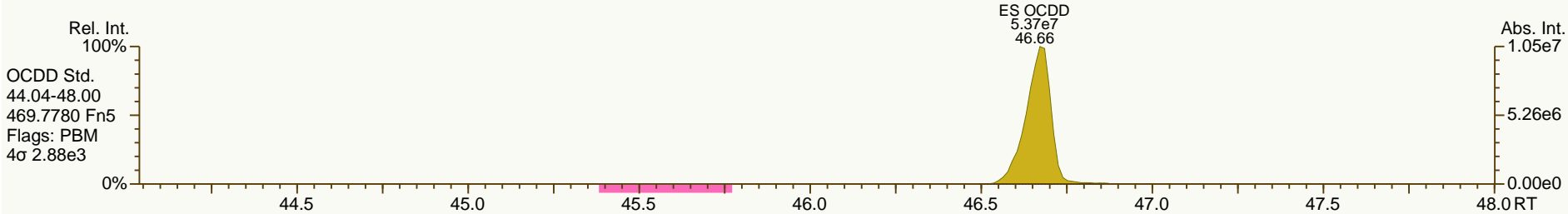
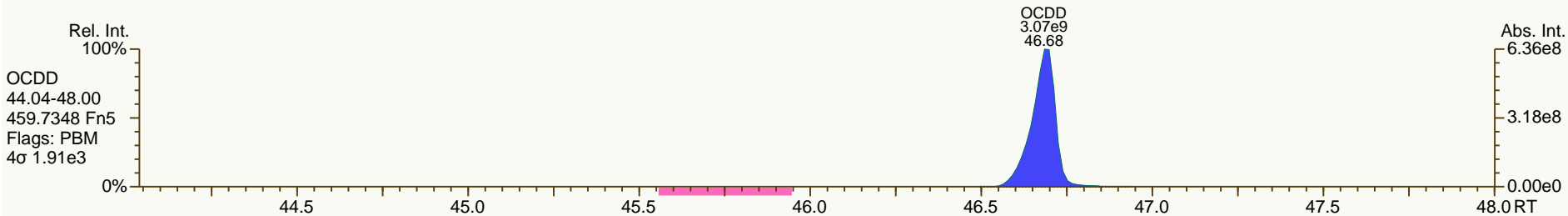
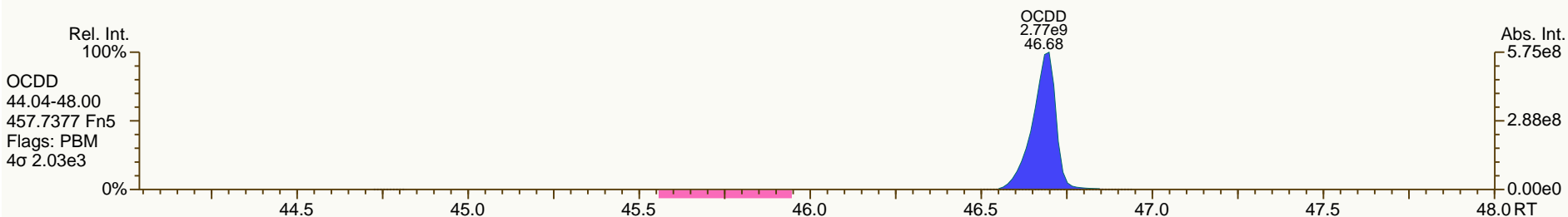
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

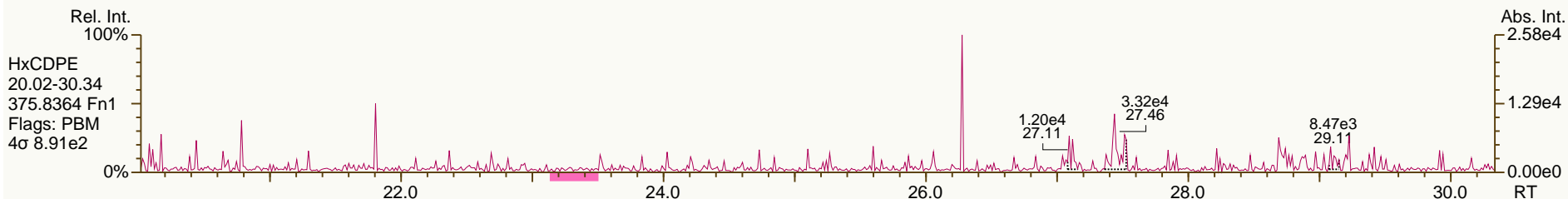
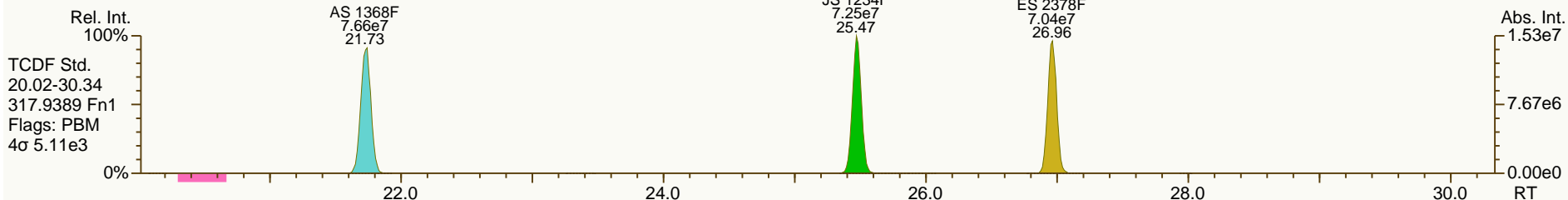
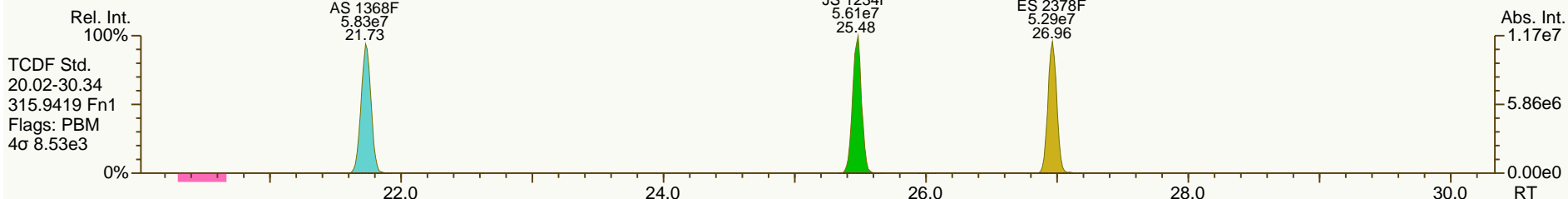
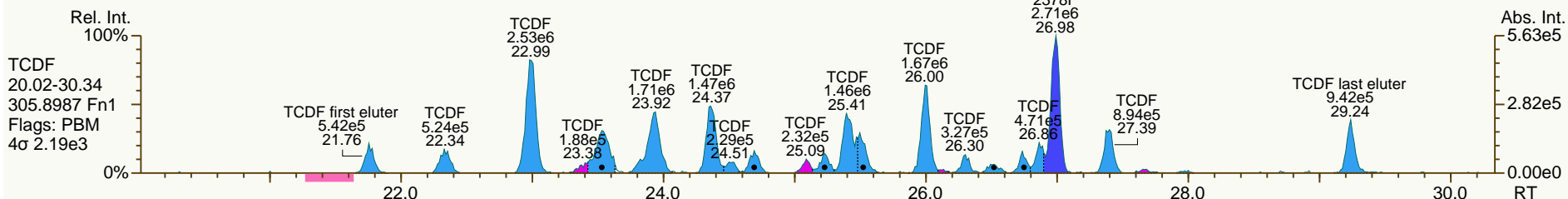
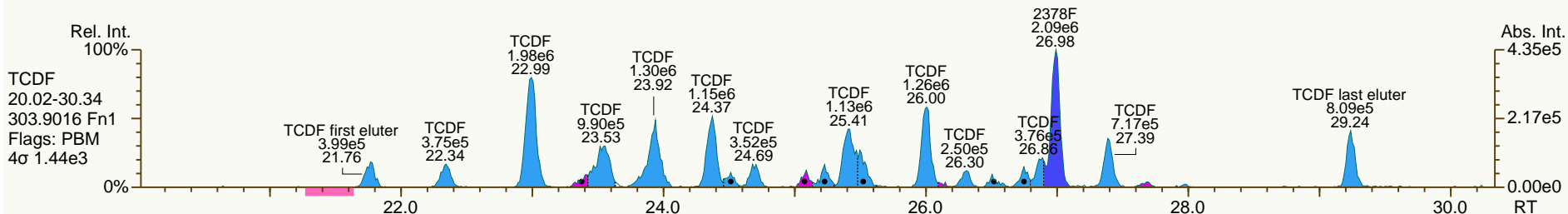
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

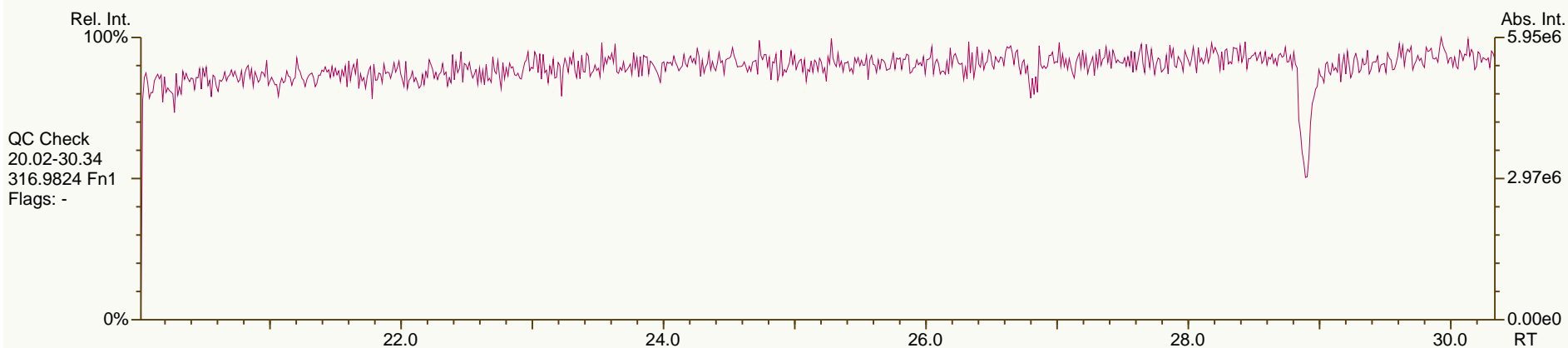
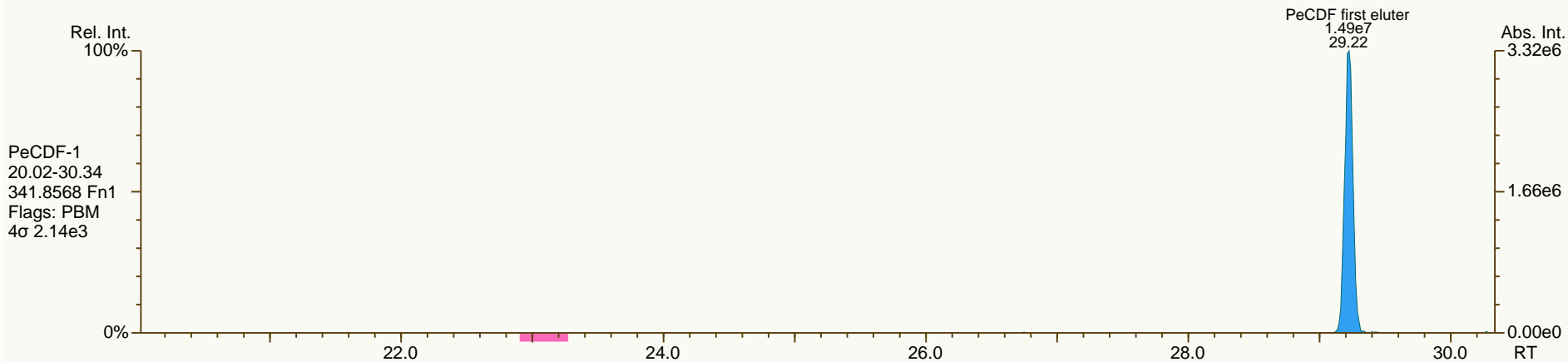
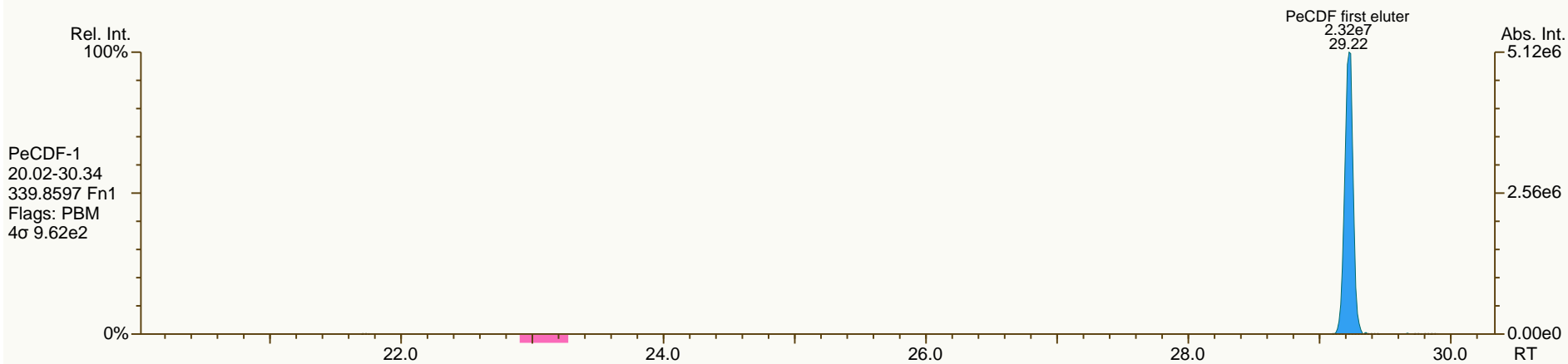
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SGS-AP ID: A5698_11123_DF_008
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Sample ID: JW-EA02-SC05-D-130423
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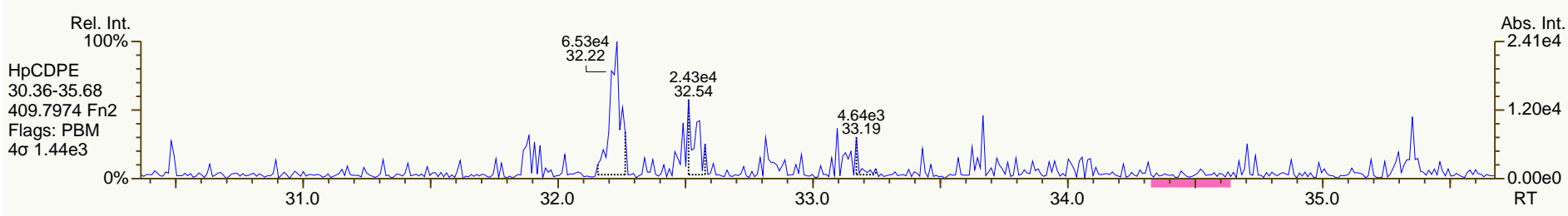
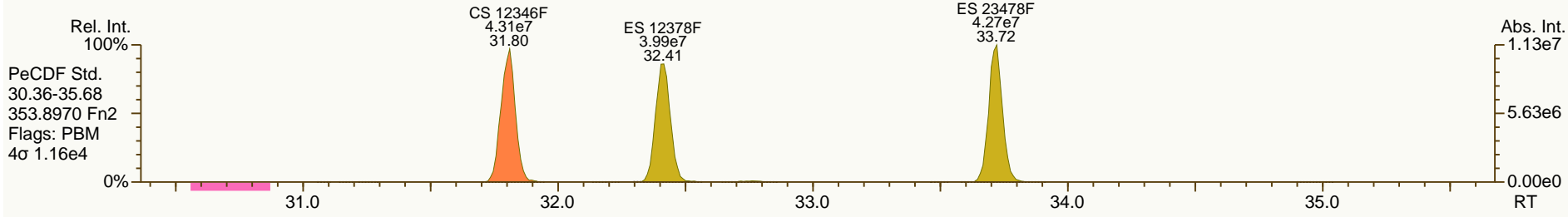
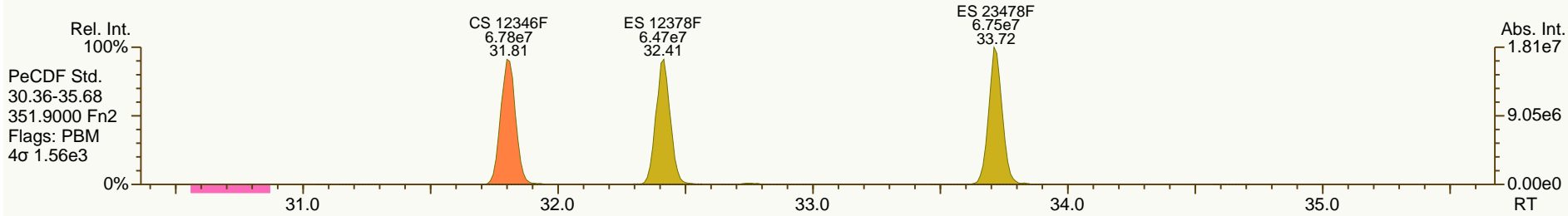
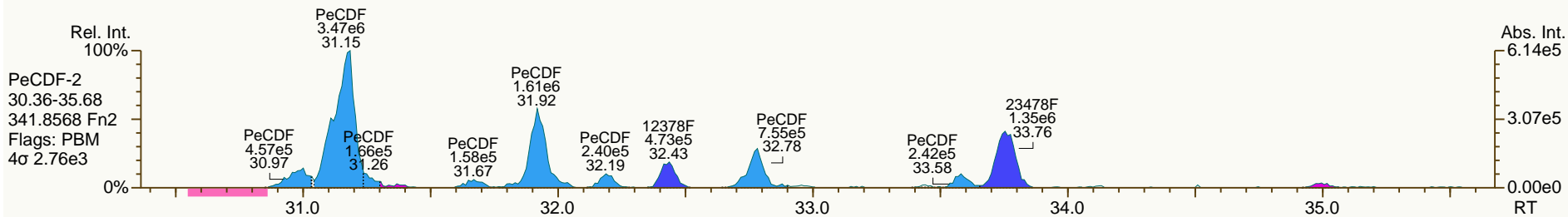
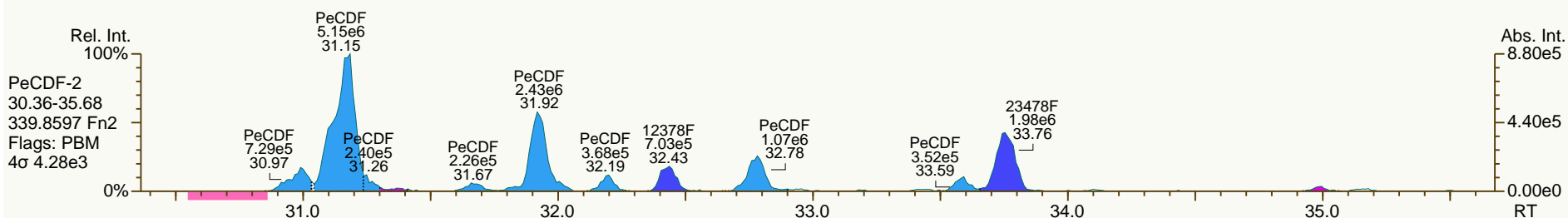
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
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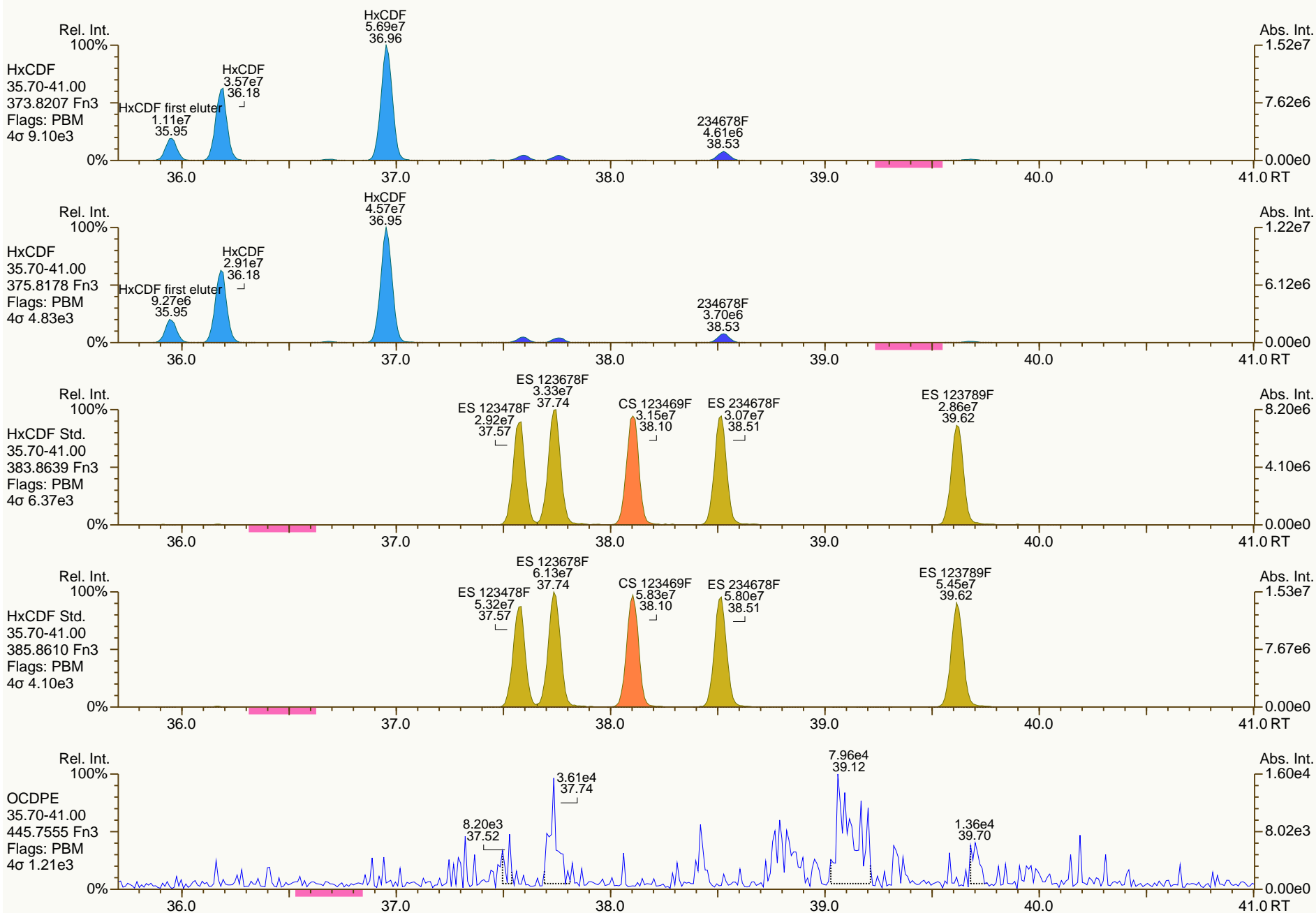
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

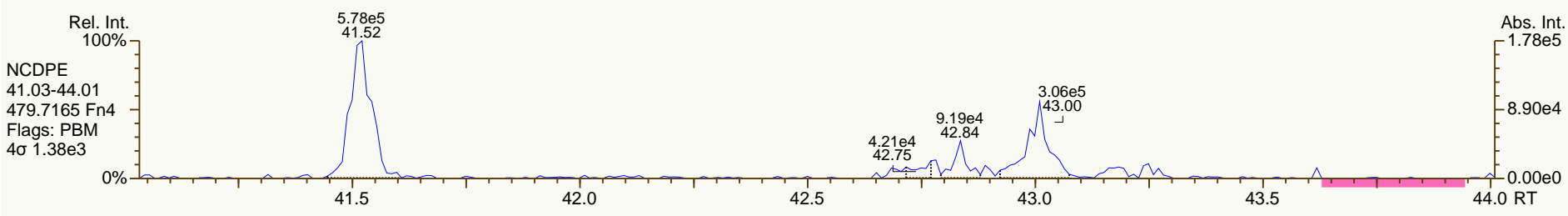
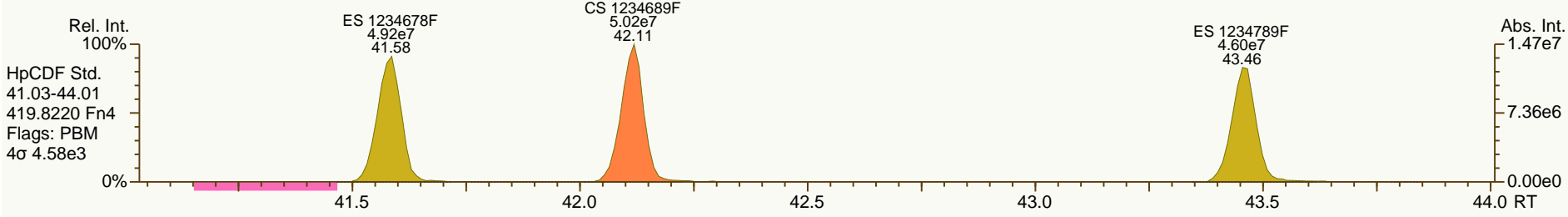
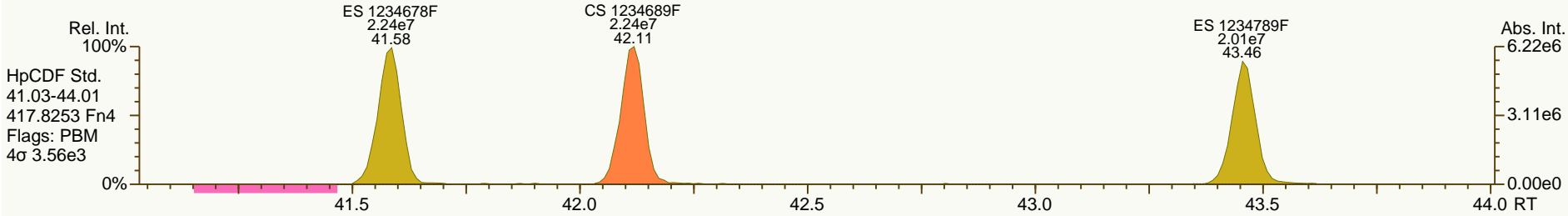
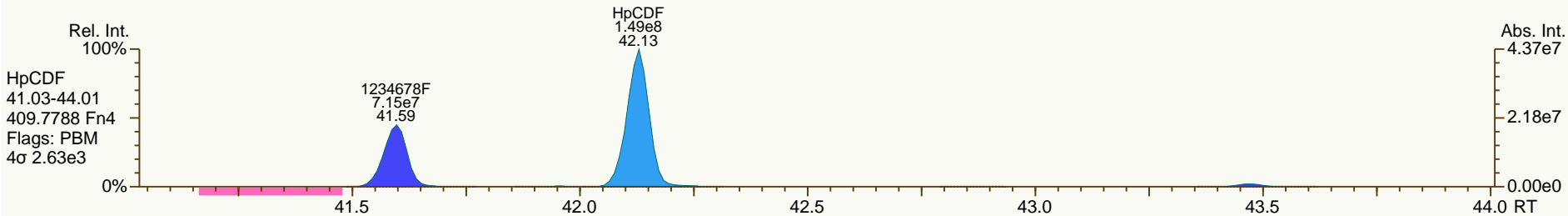
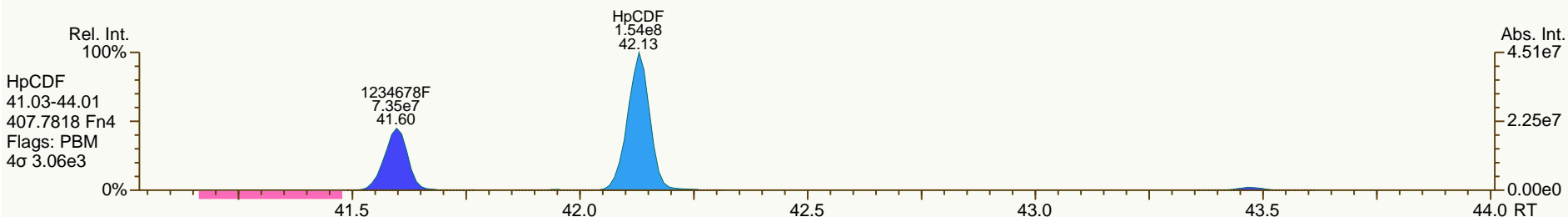
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

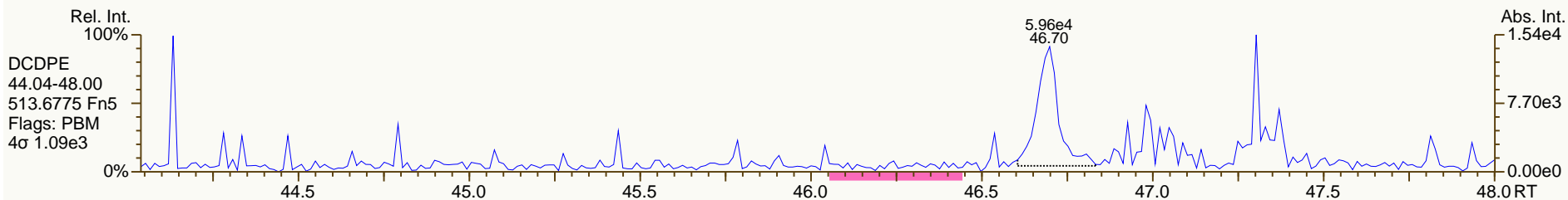
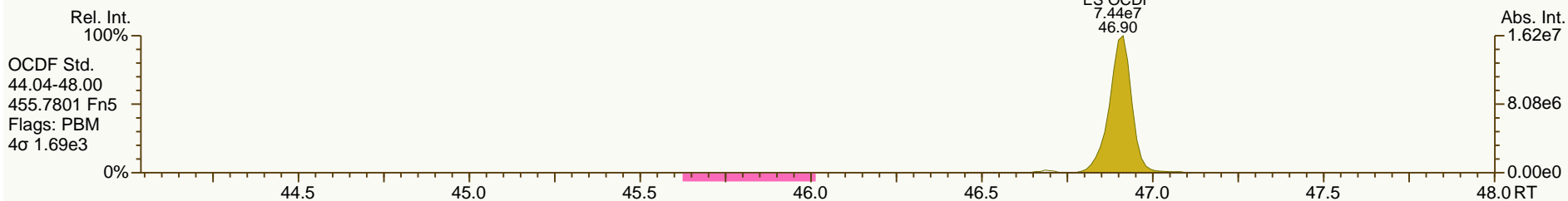
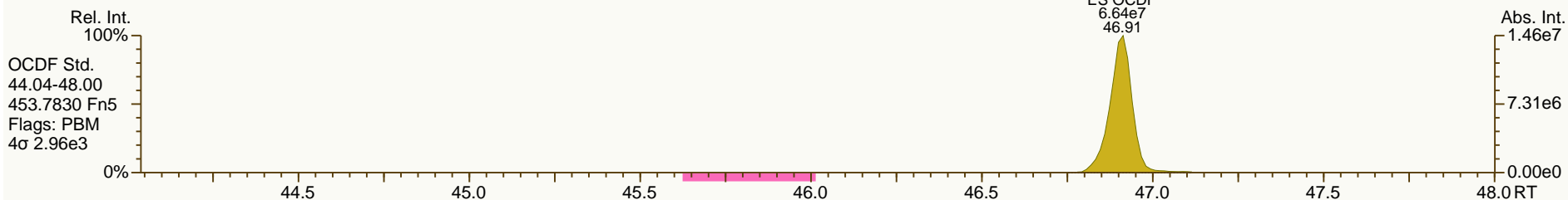
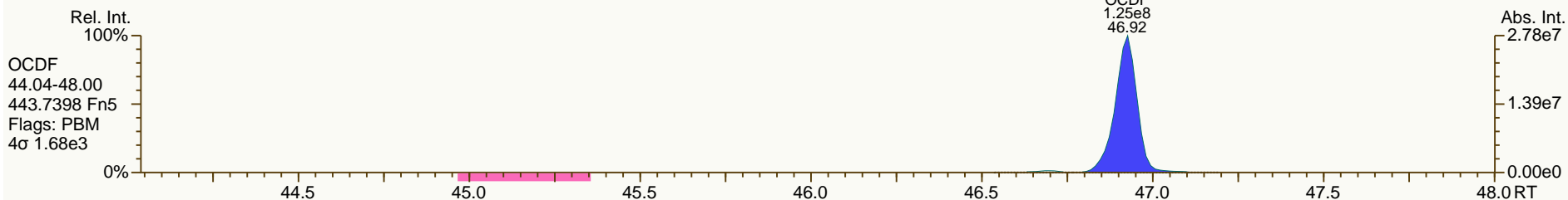
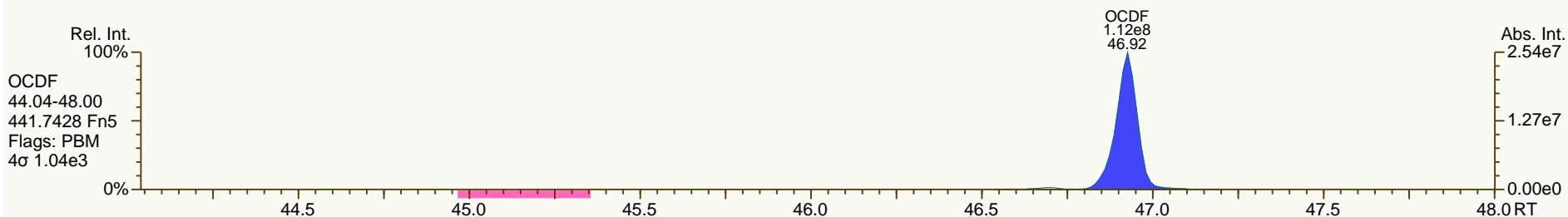
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SGS-AP ID: A5698_11123_DF_008
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA02-SC05-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

Acq: 18-JUL-2013 19:22:51
 User: MDC Datafile: 130718P1-09



Lab ID: A5698_11123_DF_009

Acq'd: 18 Jul 2013 20:15 MDC

Wt/Vol: 7.30 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA04-SC13-D-130423

UTP: 20-Jul-2013 10:04 MDC

J-level: 0.685 pg/g Split: 1

Checkcode: 213-137-HYY

Datafile: 130718P1-10

Report: 20 Jul 2013 10:04 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0009	0	2.00E+05	0.77	Y	1.06	0.842	3862	0.173
12378-PeCDD	34.17		1.0006	1.0006	0	2.96E+05	1.50	Y	0.94	1.52	5532	0.273
123478-HxCDD	38.78		1.0004	1.0004	0	4.63E+05	1.16	Y	1.02	2.55	4202	0.208
123678-HxCDD	38.91		1.0039	1.0039	0	1.75E+06	1.27	Y	1.04	10.1	4202	0.211
123789-HxCDD	39.24		1.0125	1.0125	0	1.02E+06	1.33	Y	0.98	5.26	4202	0.207
1234678-HpCDD	42.88		1.0004	1.0004	0	3.97E+07	1.02	Y	1.02	215	8109	0.373
OCDD	46.68		1.0003	1.0004	+0.3	2.40E+08	0.89	Y	1.08	1,670	7750	0.535
2378-TCDF	26.99		1.0009	1.0009	0	1.95E+06	0.84	Y	0.97	5.8	4417	0.155
12378-PeCDF	32.46		1.0006	1.0006	0	3.13E+05	1.38	Y	1.00	1.02	5540	0.176
23478-PeCDF	33.78		1.0006	1.0012	+1.2	7.80E+05	1.47	Y	0.96	2.68	5540	0.179
123478-HxCDF	37.62		1.0005	1.0005	0	6.50E+05	1.24	Y	1.23	2.31	7706	0.247
123678-HxCDF	37.78		1.0005	1.0004	-0.2	5.05E+05	1.07	Y	1.14	1.73	7706	0.234
234678-HxCDF	38.55		1.0005	1.0003	-0.5	7.90E+05	1.37	Y	1.14	2.85	7706	0.236
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	7706	0.257
1234678-HpCDF	41.62		1.0004	1.0003	-0.2	1.41E+07	1.04	Y	1.34	53.7	4860	0.143
1234789-HpCDF	43.50		1.0003	1.0004	+0.3	8.56E+05	1.03	Y	1.30	3.72	4860	0.188
OCDF	46.93		1.0004	1.0003	-0.3	3.14E+07	0.92	Y	1.00	177	3640	0.222

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95		1.0268	1.0269	+0.2	6.10E+07	0.80	Y	1.01	90.5
ES 12378-PeCDD	34.15		1.2541	1.2547	+1.0	5.69E+07	1.59	Y	0.90	95.1
ES 123478-HxCDD	38.76		0.9910	0.9910	0	4.86E+07	1.19	Y	0.99	84.9
ES 123678-HxCDD	38.89		0.9944	0.9943	-0.2	4.59E+07	1.22	Y	1.02	77.8
ES 123789-HxCDD	39.23		1.0030	1.0029	-0.2	5.43E+07	1.21	Y	1.12	84.6
ES 1234678-HpCDD	42.87		1.0959	1.0960	+0.2	4.95E+07	1.08	Y	0.90	95.1
ES OCDD	46.67		1.1930	1.1931	+0.2	7.28E+07	0.90	Y	0.74	85.3
ES 2378-TCDF	26.97		1.0586	1.0589	+0.5	9.46E+07	0.71	Y	1.05	89.7
ES 12378-PeCDF	32.44		1.2725	1.2736	+1.7	8.45E+07	1.58	Y	0.88	96.1
ES 23478-PeCDF	33.74		1.3237	1.3248	+1.7	8.26E+07	1.63	Y	0.91	90.7
ES 123478-HxCDF	37.60		0.9613	0.9612	-0.2	6.24E+07	0.52	Y	1.25	86.6
ES 123678-HxCDF	37.76		0.9655	0.9655	0	7.05E+07	0.52	Y	1.40	87.4
ES 234678-HxCDF	38.54		0.9853	0.9853	0	6.63E+07	0.53	Y	1.29	89
ES 123789-HxCDF	39.64		1.0136	1.0135	-0.2	6.32E+07	0.53	Y	1.17	94.2
ES 1234678-HpCDF	41.60		1.0636	1.0637	+0.2	5.34E+07	0.45	Y	1.03	90.1
ES 1234789-HpCDF	43.48		1.1117	1.1117	0	4.86E+07	0.46	Y	0.89	95.2
ES OCDF	46.92		1.1993	1.1995	+0.5	9.70E+07	0.89	Y	1.00	84.1

Lab ID: A5698_11123_DF_009

Acq'd: 18 Jul 2013 20:15 MDC

Wt/Vol: 7.30 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA04-SC13-D-130423

UTP: 20-Jul-2013 10:04 MDC

J-level: 0.685 pg/g Split: 1

Checkcode: 213-137-HYY

Datafile: 130718P1-10

Report: 20 Jul 2013 10:04 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

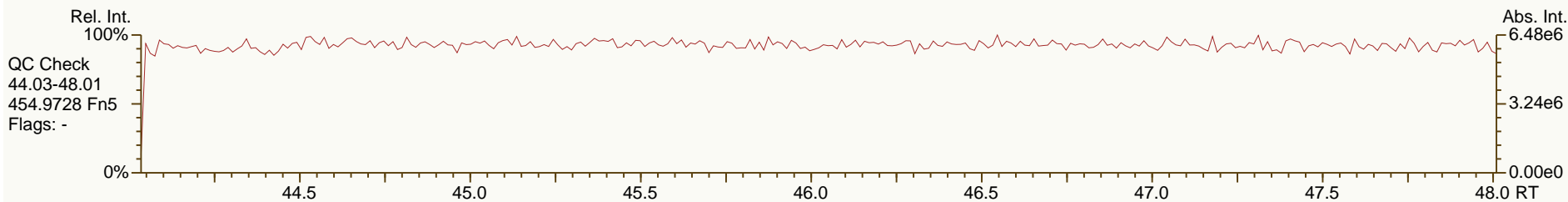
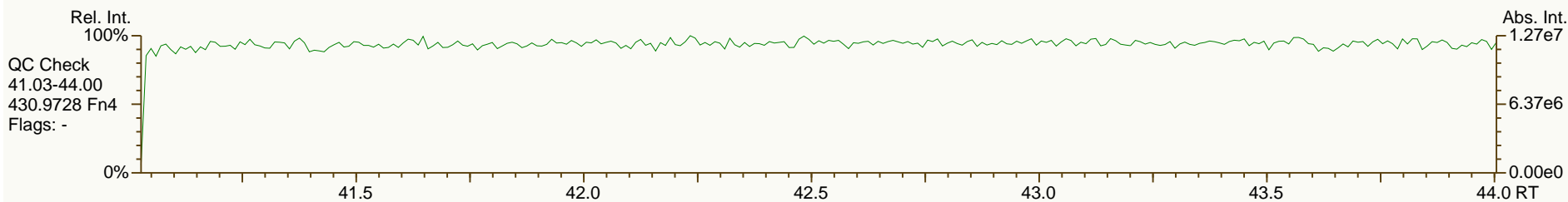
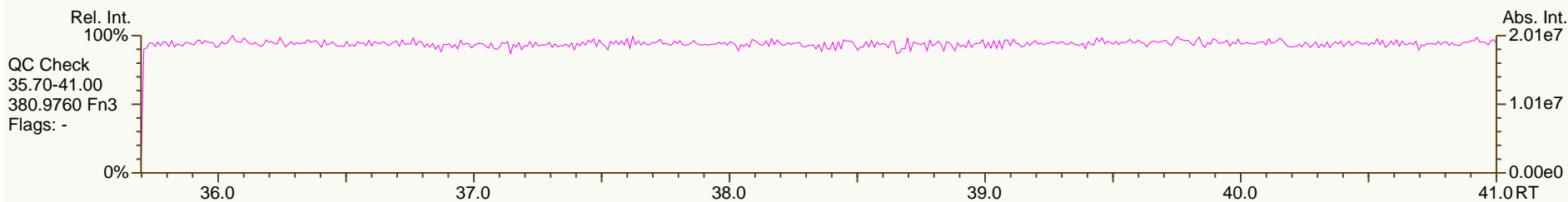
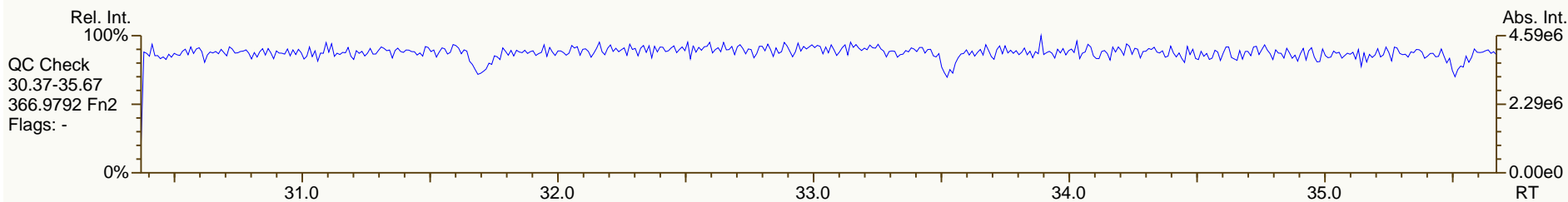
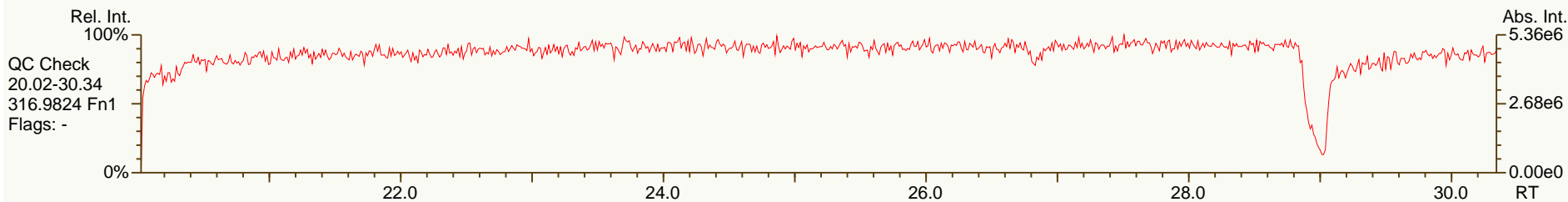
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JS 1234-TCDD	27.22		-	-	-	6.67E+07	0.81	Y	-	-
JS 1234-TCDF	25.47		-	-	-	1.00E+08	0.72	Y	-	-
JS 123467-HxCDD	39.11		-	-	-	2.88E+07	1.20	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0278	+0.2	2.73E+07	n/a	-	1.10	93.3
CS 12347-PeCDD	33.57		1.2327	1.2332	+0.8	5.89E+07	1.60	Y	0.79	111
CS 12346-PeCDF	31.84		1.2486	1.2499	+2.0	8.68E+07	1.59	Y	0.87	100
CS 123469-HxCDF	38.13		0.9749	0.9748	-0.2	6.78E+07	0.54	Y	1.21	97.2
CS 1234689-HpCDF	42.14		1.0773	1.0773	0	5.17E+07	0.43	Y	0.89	100
SS 37Cl-2378-TCDD	27.97		1.0277	1.0278	+0.2	2.73E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.57		1.2327	1.2332	+0.8	5.89E+07	1.60	Y	0.89	117
SS 12346-PeCDF	31.84		1.2486	1.2499	+2.0	8.68E+07	1.59	Y	0.99	104
SS 123469-HxCDF	38.13		0.9749	0.9748	-0.2	6.78E+07	0.54	Y	0.87	111
SS 1234689-HpCDF	42.14		1.0773	1.0773	0	5.17E+07	0.43	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8786	-1.0	6.20E+07	0.78	Y	1.00	93.3
AS 1368-TCDF	21.74		0.8532	0.8536	+0.6	1.03E+08	0.79	Y	1.20	85.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	41	42.8	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	37.2	37.6	Original Values	Corrected Values
Total HxCDD	107	107	Ratio 0.67	0.77
Total HpCDD	487	487	Response 2.16E+05	2.00E+05
Total Tetra-Octa Dioxins	2340	2350		
Total TCDF	50.5	56.3		
Total PeCDF	35	35.3		
Total HxCDF	68.3	69.2		
Total HpCDF	196	196		
Total Tetra-Octa Furans	527	534		
Total Tetra-Octa Dioxins & Furans	2870	2880		

SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

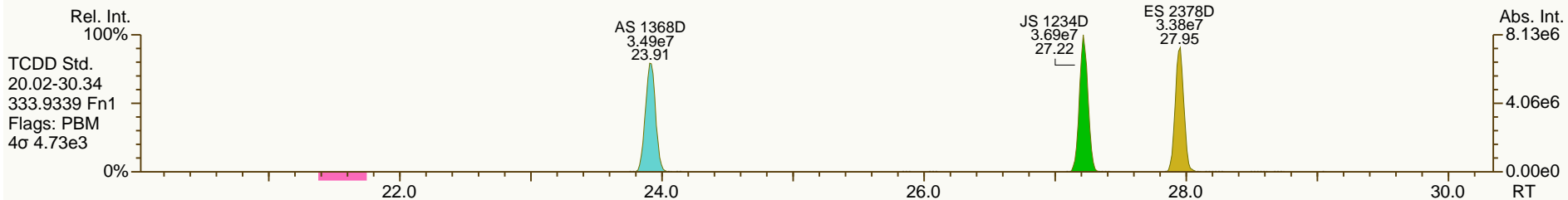
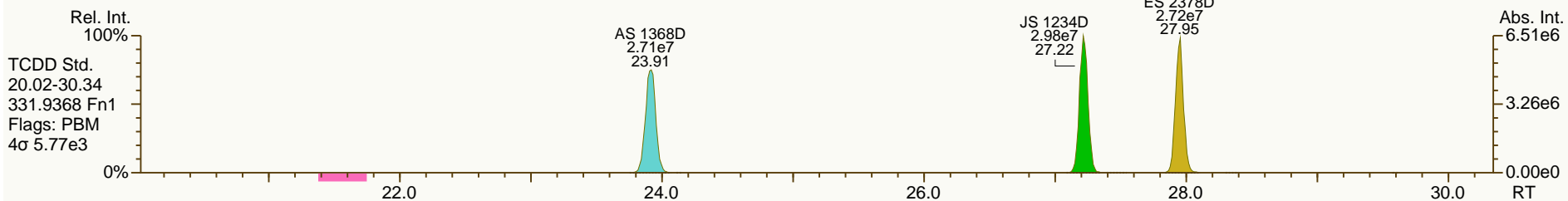
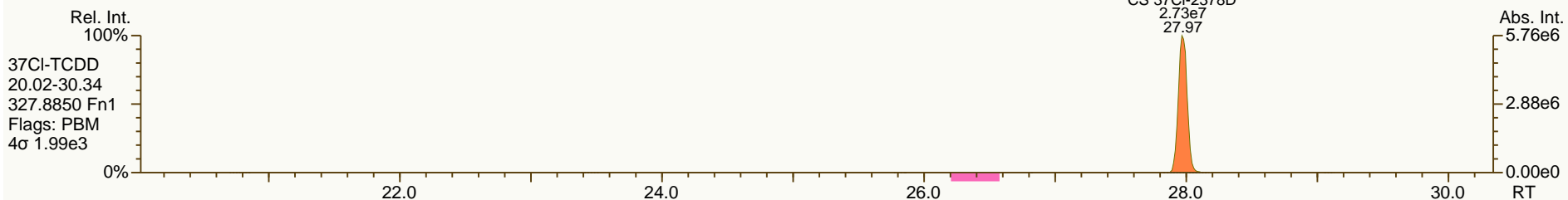
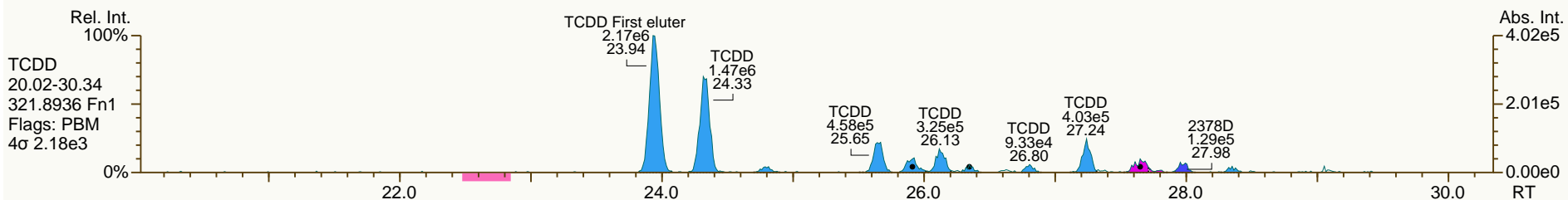
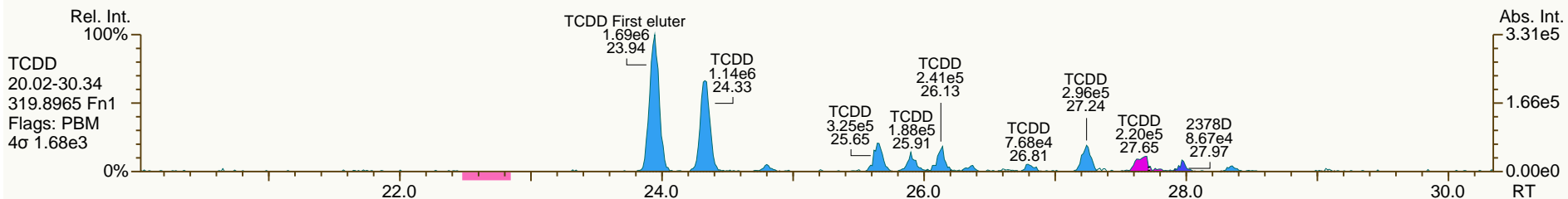
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

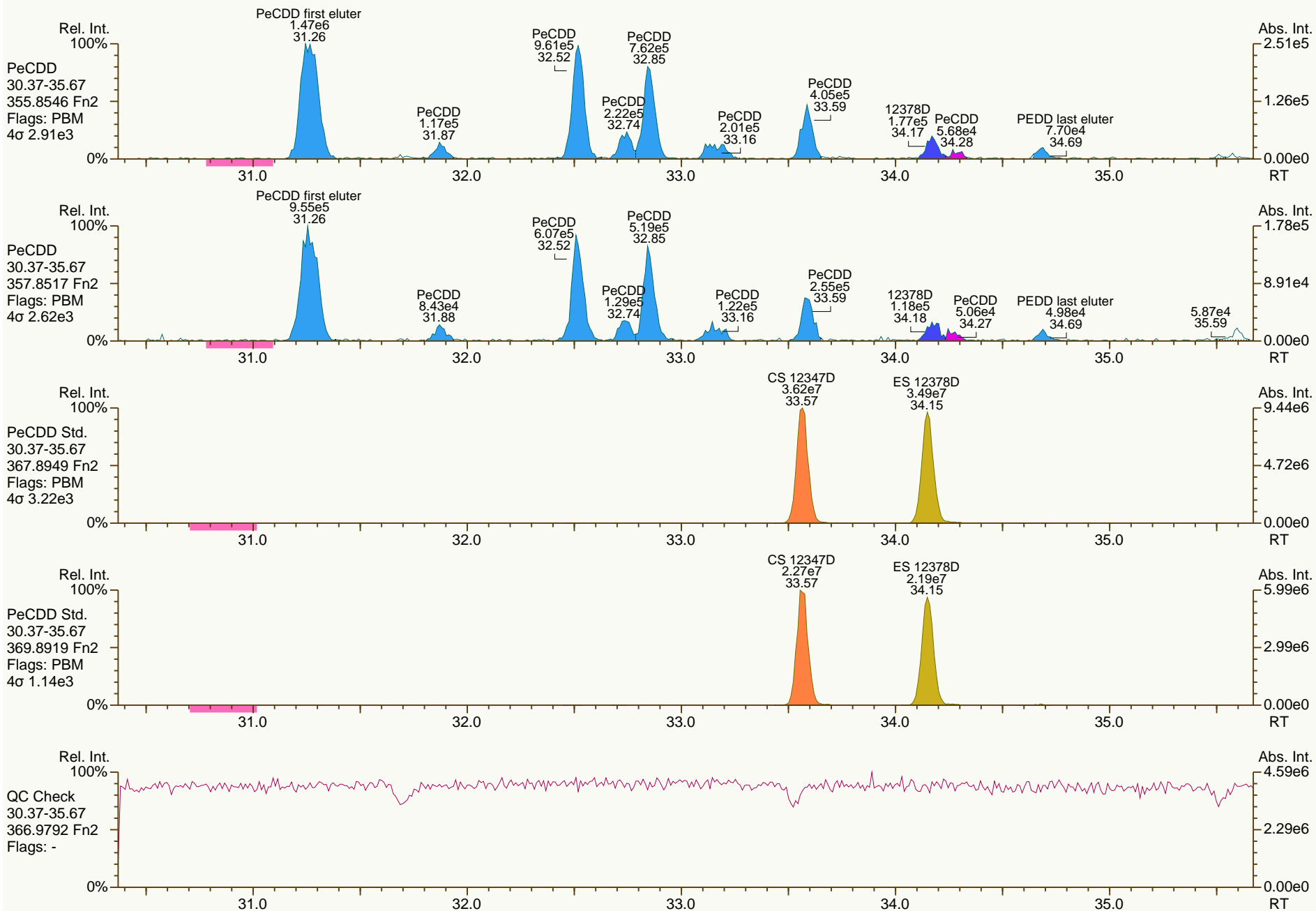
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

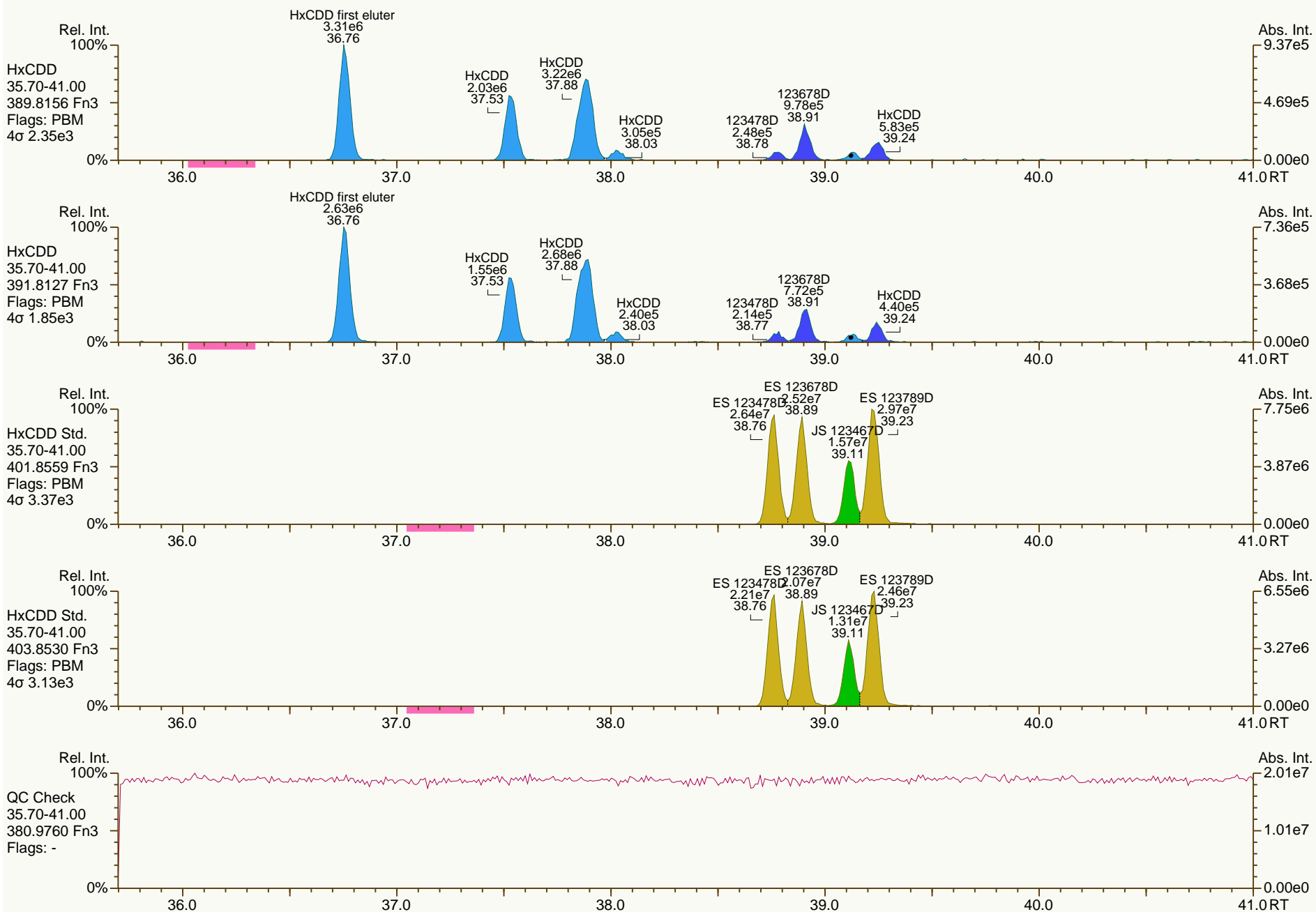
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

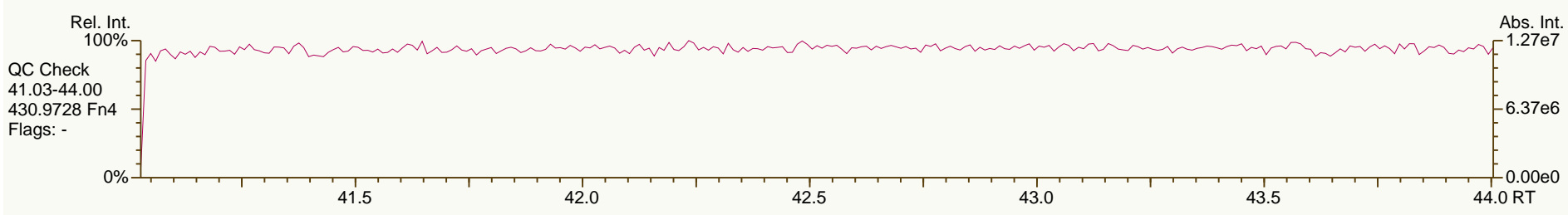
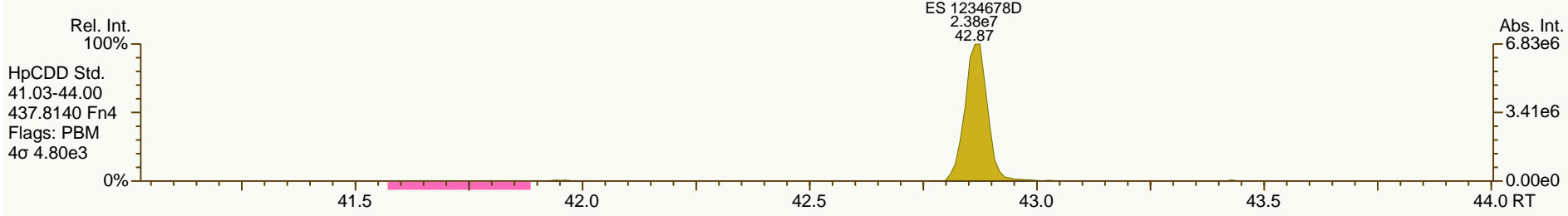
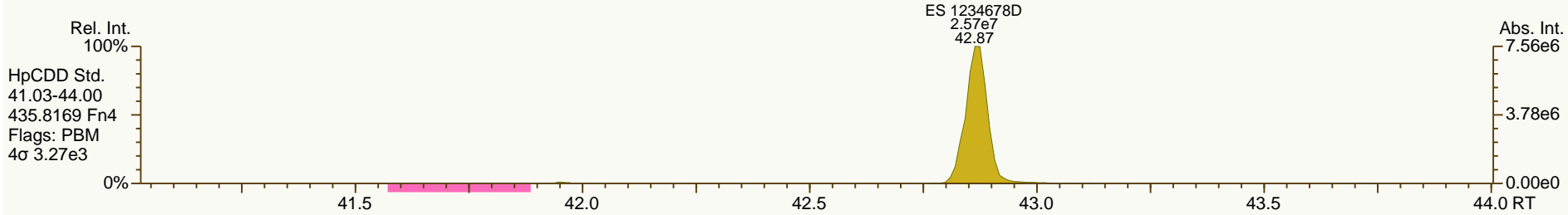
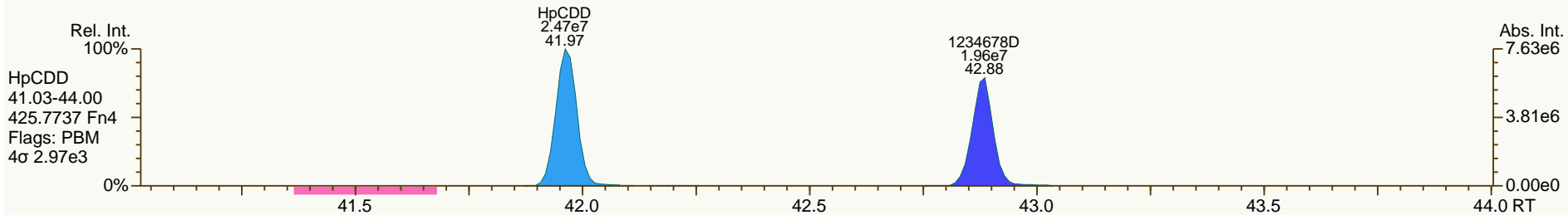
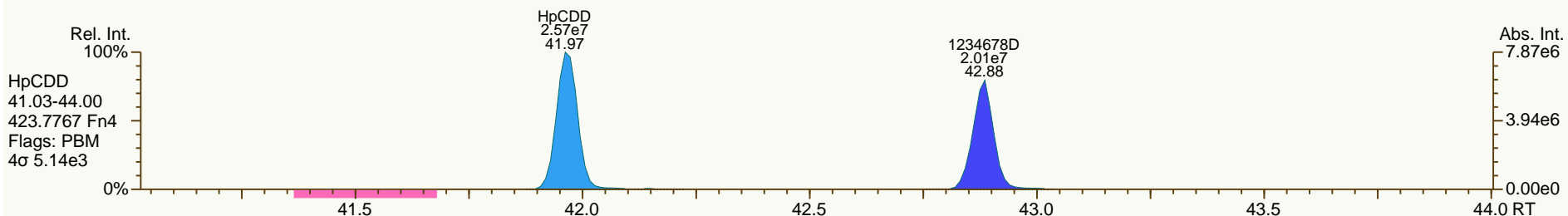
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

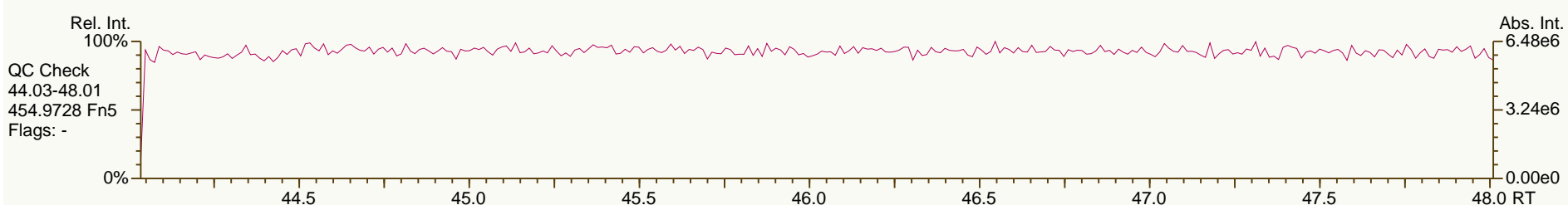
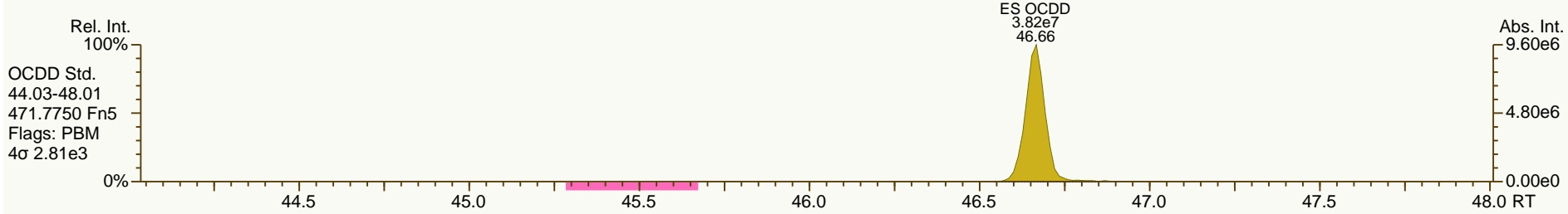
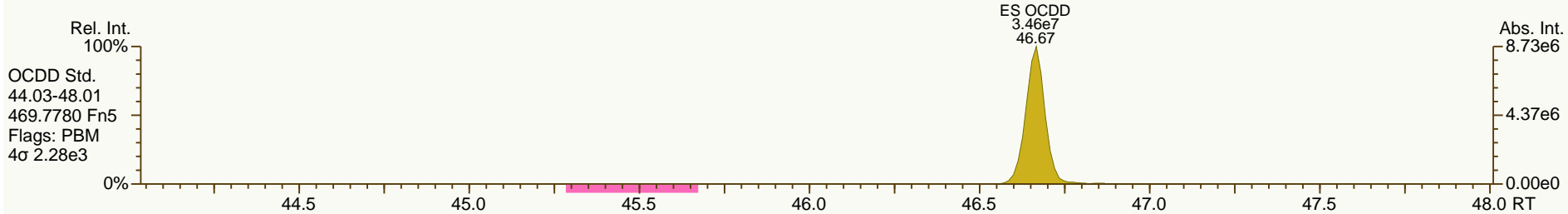
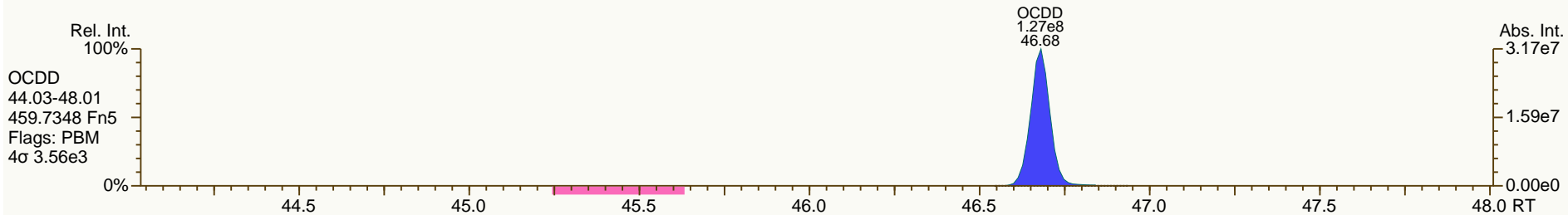
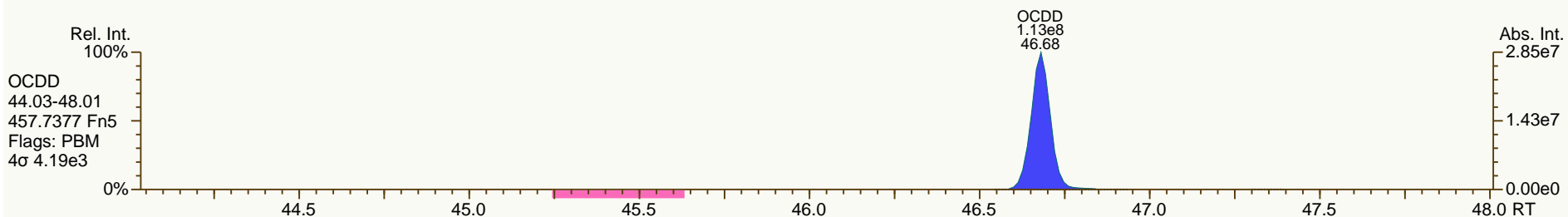
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

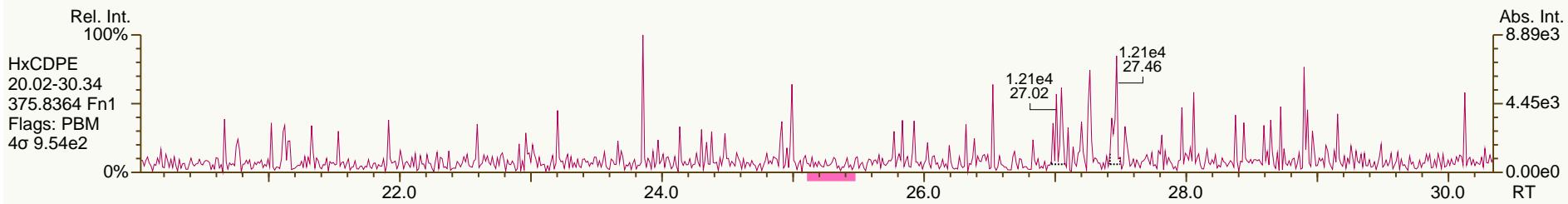
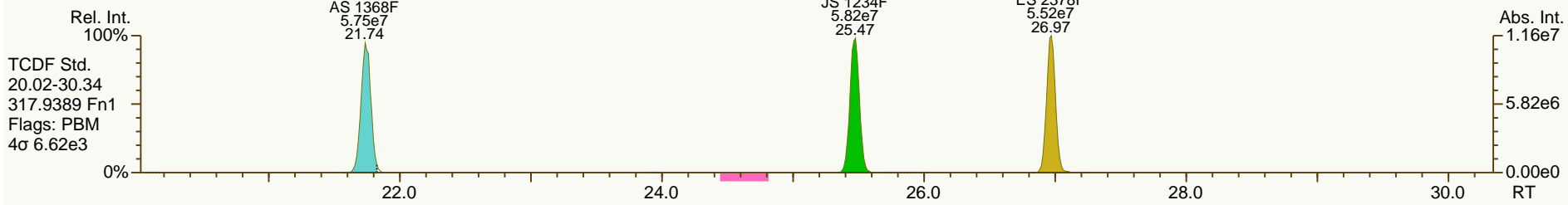
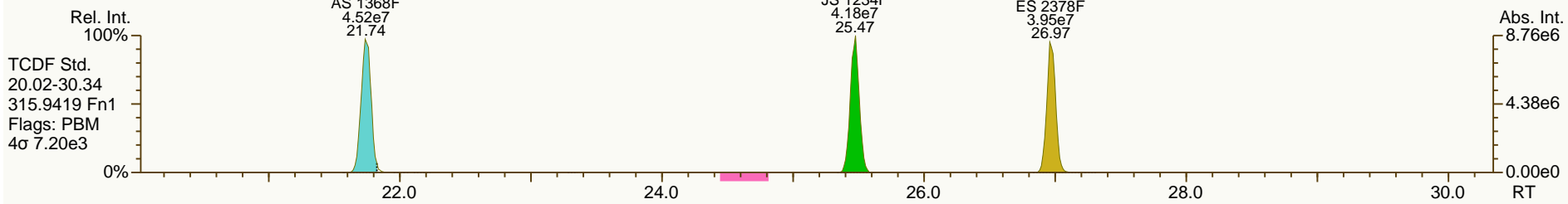
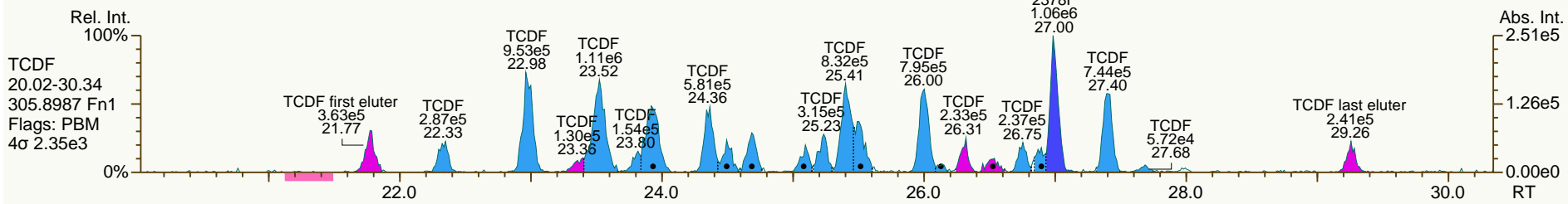
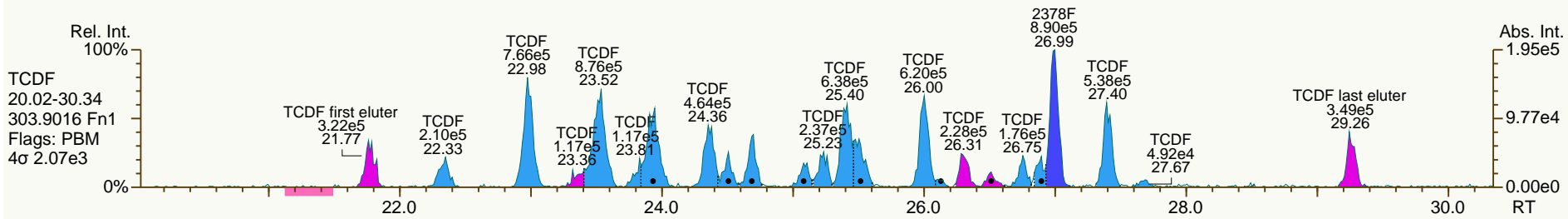
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

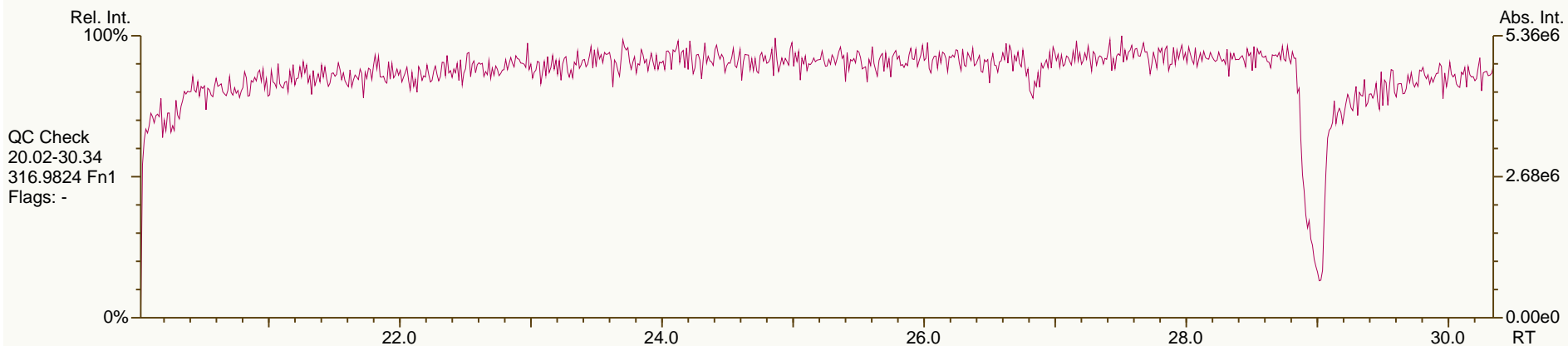
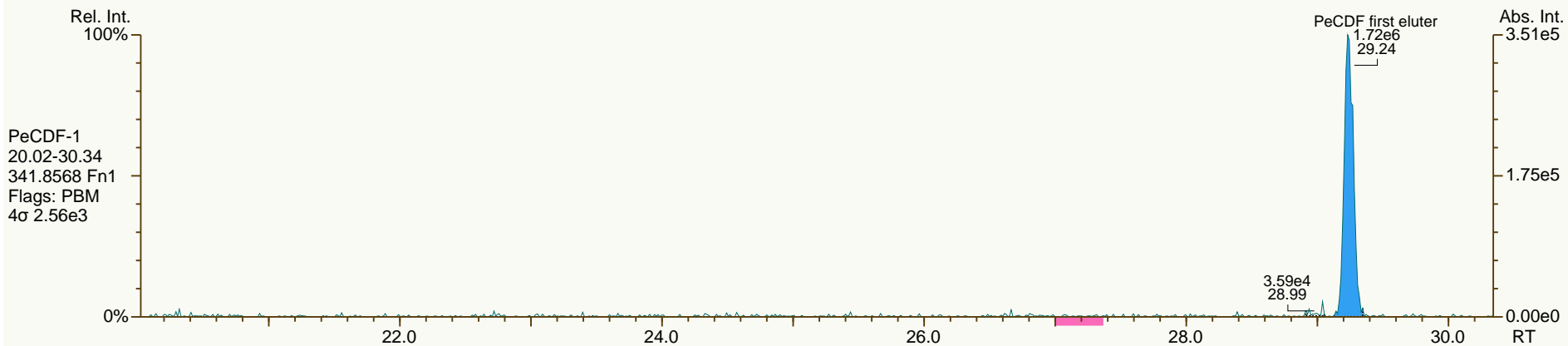
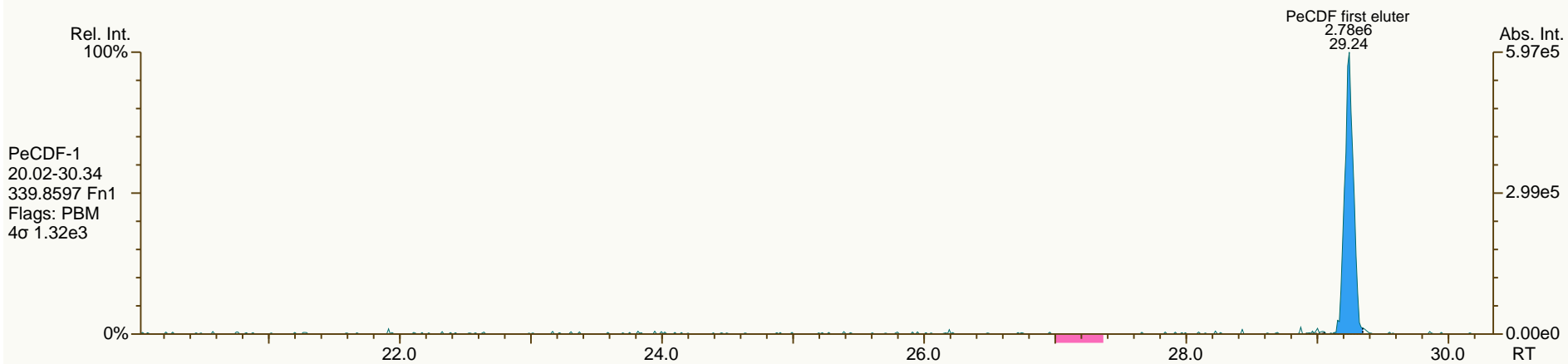
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
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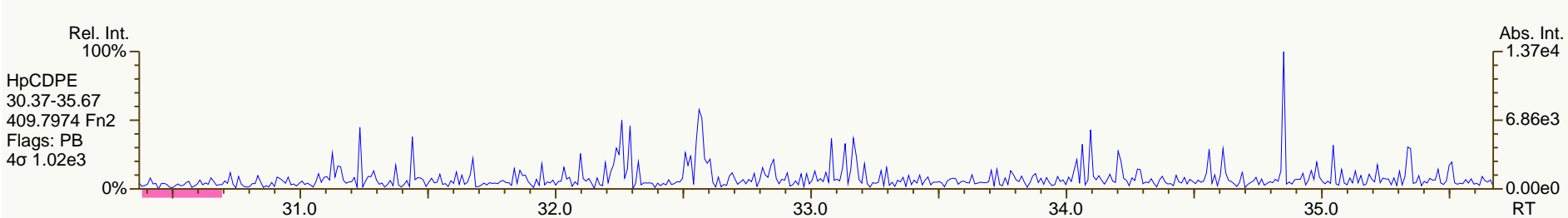
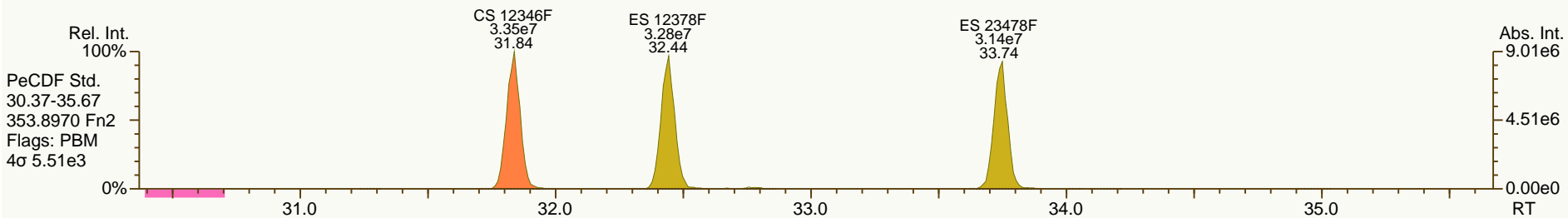
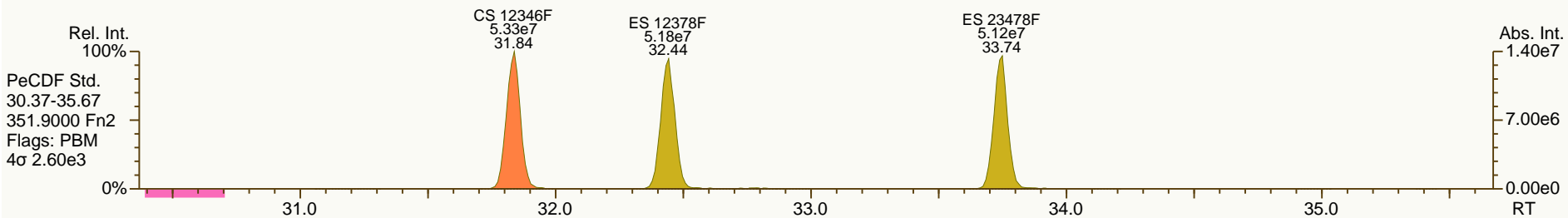
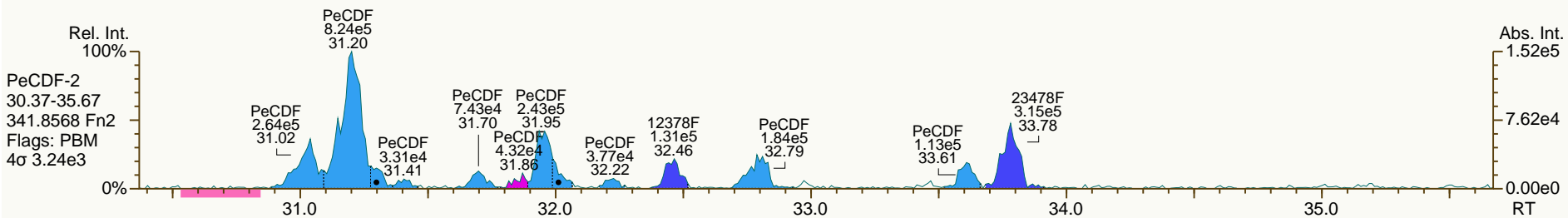
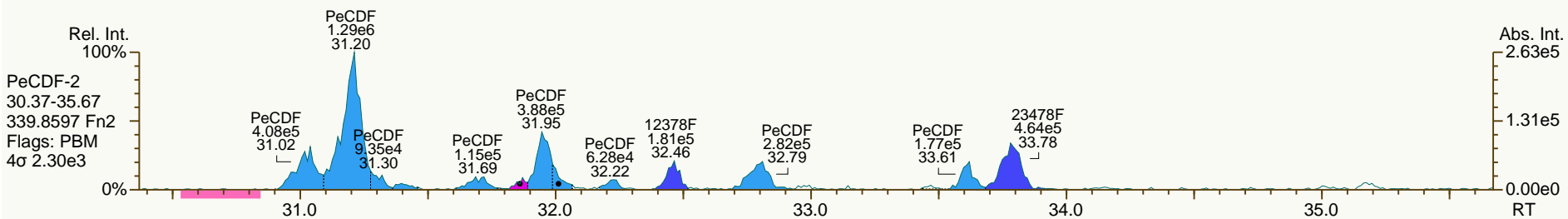
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SGS-AP ID: A5698_11123_DF_009
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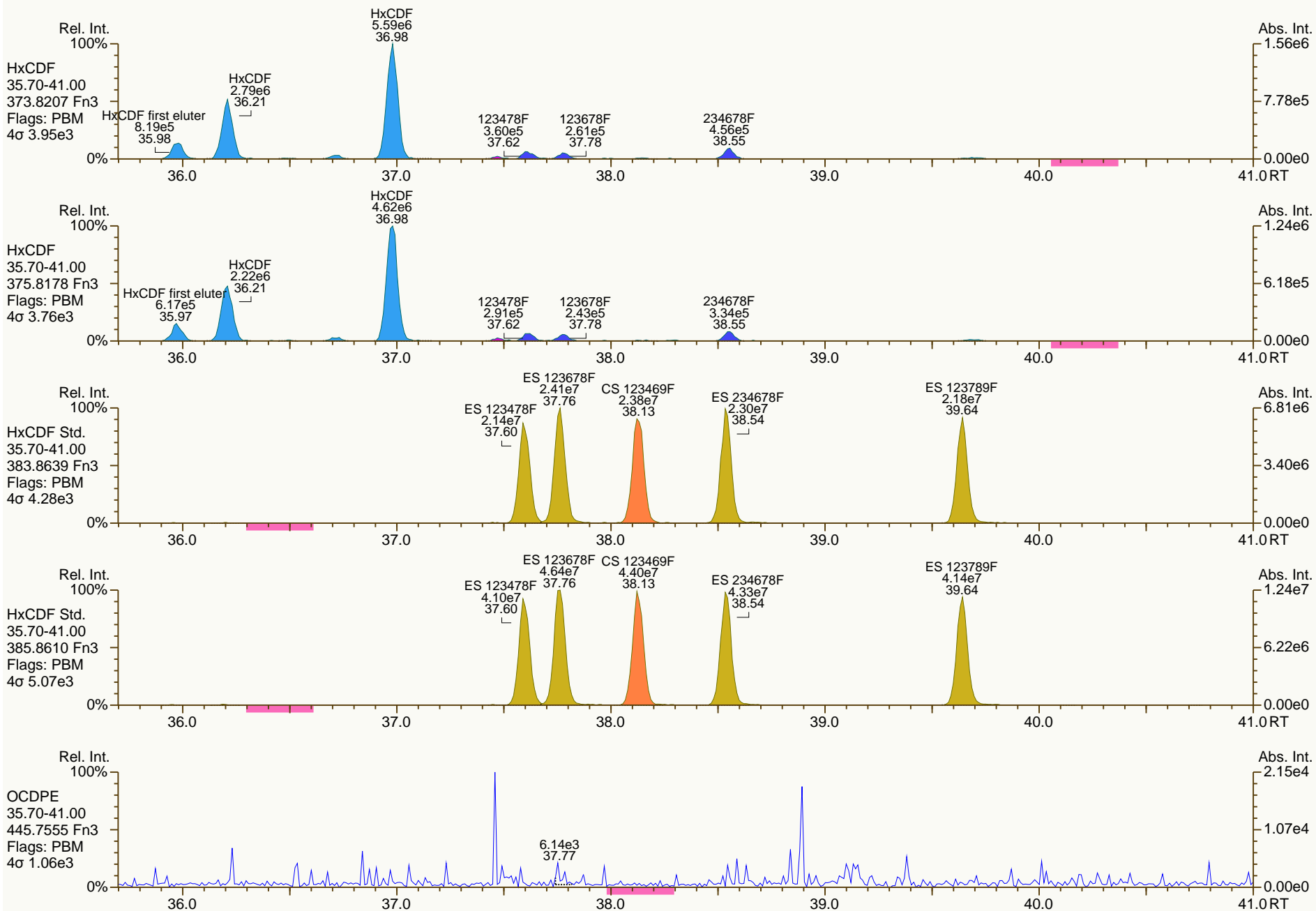
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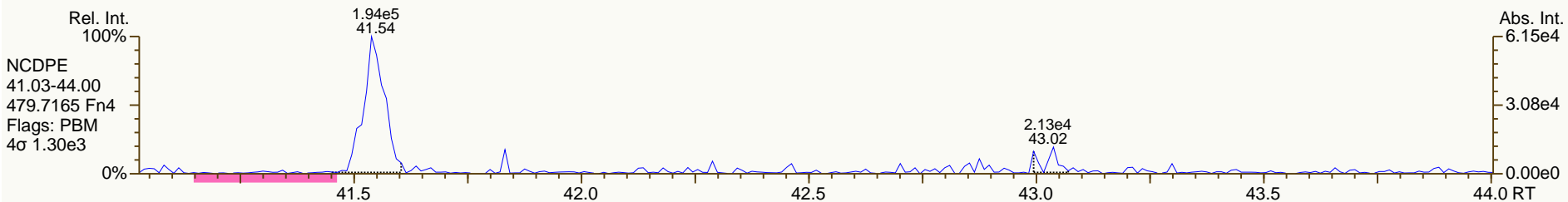
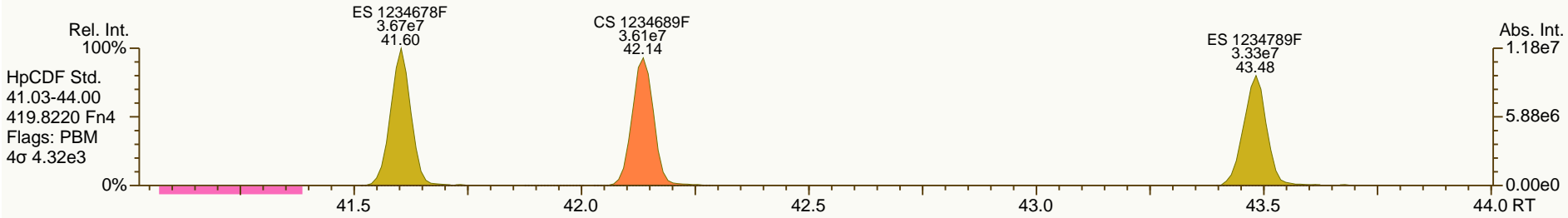
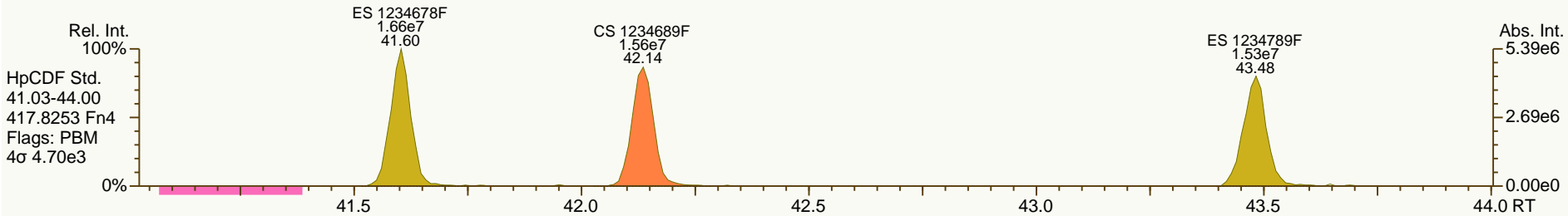
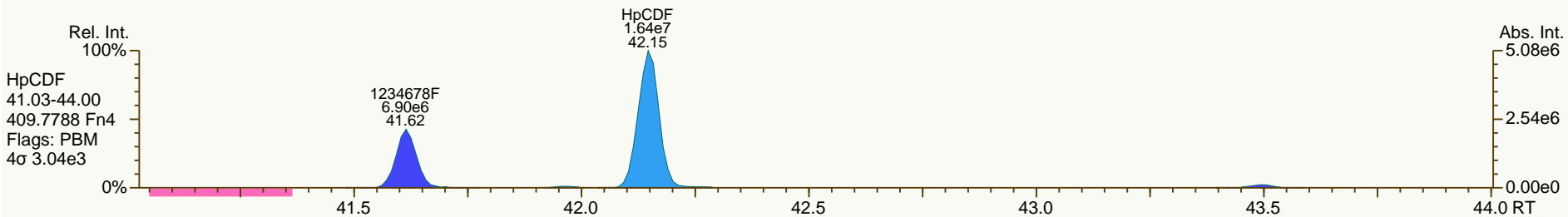
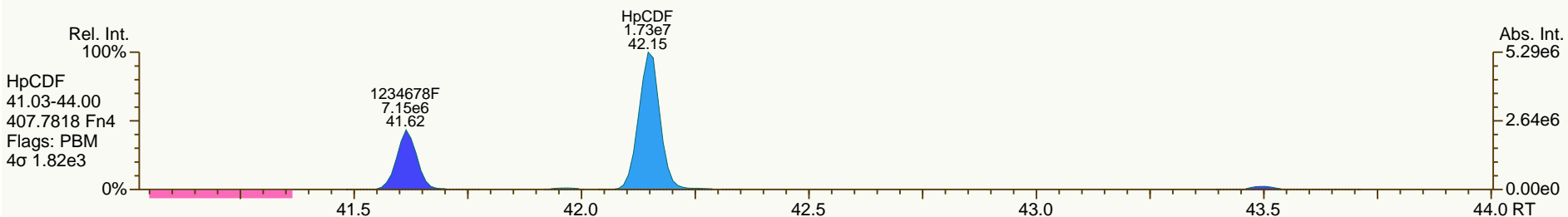
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SGS-AP ID: A5698_11123_DF_009
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Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

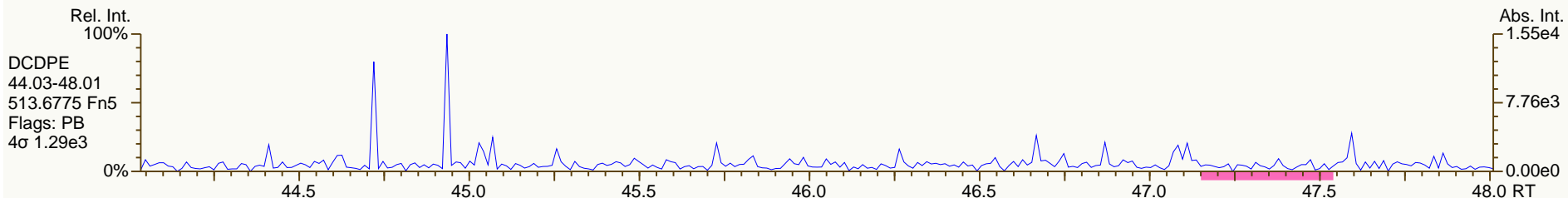
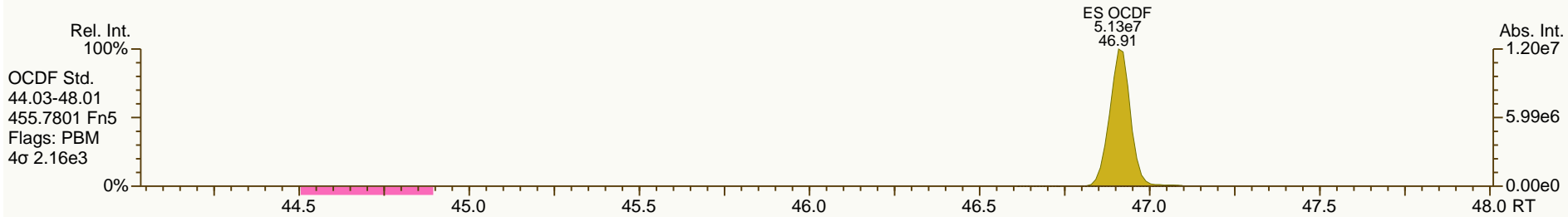
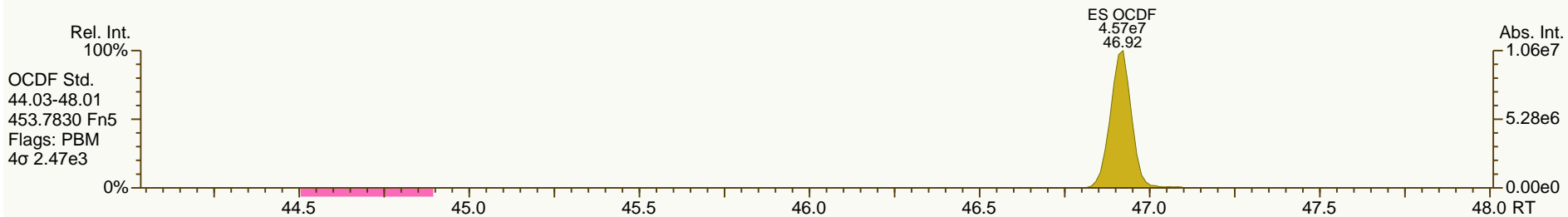
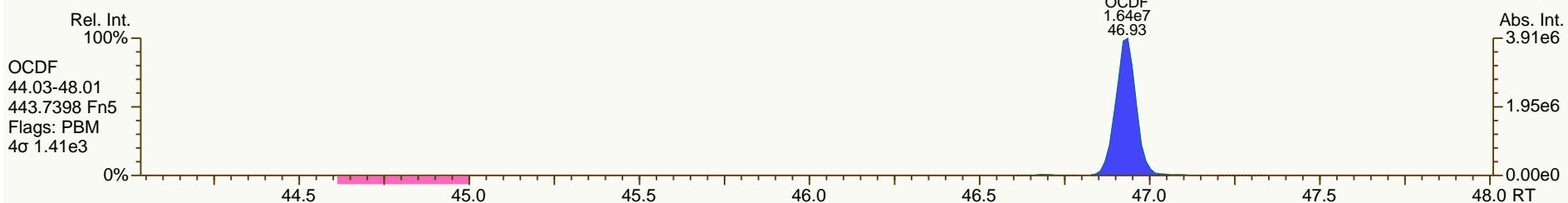
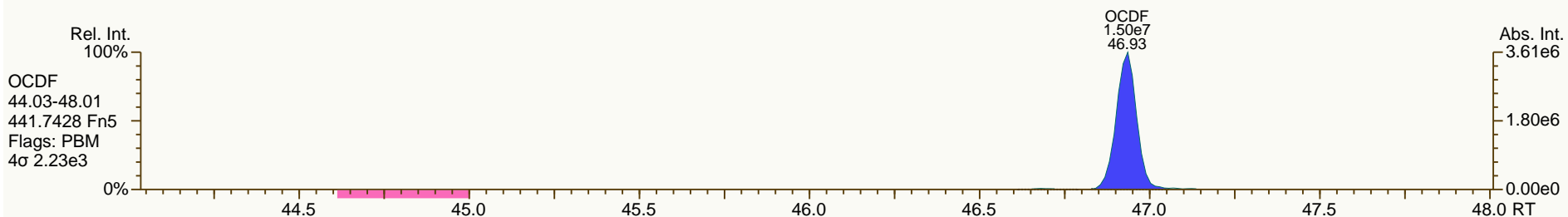
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SGS-AP ID: A5698_11123_DF_009
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA04-SC13-D-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 23

Acq: 18-JUL-2013 20:15:24
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Lab ID: A5698_11123_DF_010

Acq'd: 18 Jul 2013 23:55 MDC

Wt/Vol: 7.10 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-A-130423

UTP: 22-Jul-2013 14:19 MDC

J-level: 0.704 pg/g Split: 1

Checkcode: 780-507-PCJ

Datafile: 130718P2-03

Report: 22 Jul 2013 14:22 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

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2378-TCDD	27.97		1.0009	1.0009	0	1.66E+05	0.77	Y	1.06	0.506	3490	0.119
12378-PeCDD	34.16		1.0006	1.0006	0	5.09E+05	1.87	N	0.94	2	4723	0.178
123478-HxCDD	38.76		1.0004	1.0004	0	9.49E+05	1.27	Y	1.02	3.95	5270	0.203
123678-HxCDD	38.90		1.0039	1.0039	0	2.18E+07	1.29	Y	1.04	95.2	5270	0.231
123789-HxCDD	39.23		1.0125	1.0125	0	7.05E+06	1.26	Y	0.98	28.4	5270	0.186
1234678-HpCDD	42.87		1.0004	1.0004	0	1.91E+08	1.04	Y	1.02	711	5859	0.183
OCDD	46.68		1.0003	1.0004	+0.3	1.16E+09	0.90	Y	1.08	5,370	3455	0.189
2378-TCDF	26.99		1.0009	1.0008	-0.2	1.61E+06	0.80	Y	0.97	3.62	3780	0.0962
12378-PeCDF	32.45		1.0006	1.0006	0	6.29E+05	1.40	Y	1.00	1.6	4810	0.122
23478-PeCDF	33.77		1.0006	1.0010	+0.8	1.58E+06	1.51	Y	0.96	3.92	4810	0.114
123478-HxCDF	37.60		1.0005	1.0005	0	1.71E+06	1.18	Y	1.23	4.43	9363	0.227
123678-HxCDF	37.77		1.0005	1.0005	0	1.58E+06	1.22	Y	1.14	3.99	9363	0.227
234678-HxCDF	38.54		1.0005	1.0004	-0.2	3.34E+06	1.26	Y	1.14	8.88	9363	0.236
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	9363	0.264
1234678-HpCDF	41.61		1.0004	1.0003	-0.2	5.57E+07	1.04	Y	1.34	157	4843	0.131
1234789-HpCDF	43.48		1.0003	1.0003	0	1.93E+06	1.02	Y	1.30	5.91	4843	0.13
OCDF	46.92		1.0004	1.0003	-0.3	4.31E+07	0.90	Y	1.00	168	3147	0.133

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95		1.0268	1.0268	0	8.69E+07	0.79	Y	1.01	90
ES 12378-PeCDD	34.14		1.2541	1.2543	+0.3	7.64E+07	1.57	Y	0.90	89.2
ES 123478-HxCDD	38.75		0.9910	0.9910	0	6.61E+07	1.20	Y	0.99	87.4
ES 123678-HxCDD	38.88		0.9944	0.9944	0	6.23E+07	1.14	Y	1.02	79.9
ES 123789-HxCDD	39.22		1.0030	1.0029	-0.2	7.11E+07	1.18	Y	1.12	83.8
ES 1234678-HpCDD	42.86		1.0959	1.0961	+0.5	7.41E+07	1.06	Y	0.90	108
ES OCDD	46.66		1.1930	1.1933	+0.7	1.12E+08	0.94	Y	0.74	99.5
ES 2378-TCDF	26.97		1.0586	1.0586	0	1.28E+08	0.70	Y	1.05	84.1
ES 12378-PeCDF	32.43		1.2725	1.2727	+0.3	1.11E+08	1.56	Y	0.88	87.4
ES 23478-PeCDF	33.73		1.3237	1.3239	+0.3	1.18E+08	1.56	Y	0.91	89.7
ES 123478-HxCDF	37.59		0.9613	0.9613	0	8.79E+07	0.52	Y	1.25	92.4
ES 123678-HxCDF	37.75		0.9655	0.9655	0	9.82E+07	0.55	Y	1.40	92.2
ES 234678-HxCDF	38.53		0.9853	0.9853	0	9.26E+07	0.53	Y	1.29	94
ES 123789-HxCDF	39.63		1.0136	1.0136	0	8.68E+07	0.54	Y	1.17	97.9
ES 1234678-HpCDF	41.60		1.0636	1.0638	+0.5	7.42E+07	0.45	Y	1.03	94.9
ES 1234789-HpCDF	43.47		1.1117	1.1118	+0.2	7.10E+07	0.44	Y	0.89	105
ES OCDF	46.91		1.1993	1.1997	+0.9	1.44E+08	0.88	Y	1.00	94.6

Lab ID: A5698_11123_DF_010

Acq'd: 18 Jul 2013 23:55 MDC

Wt/Vol: 7.10 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-A-130423

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J-level: 0.704 pg/g Split: 1

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Report: 22 Jul 2013 14:22 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

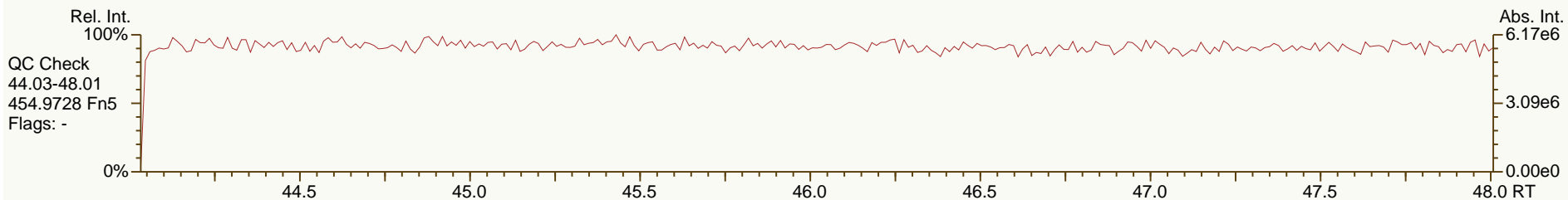
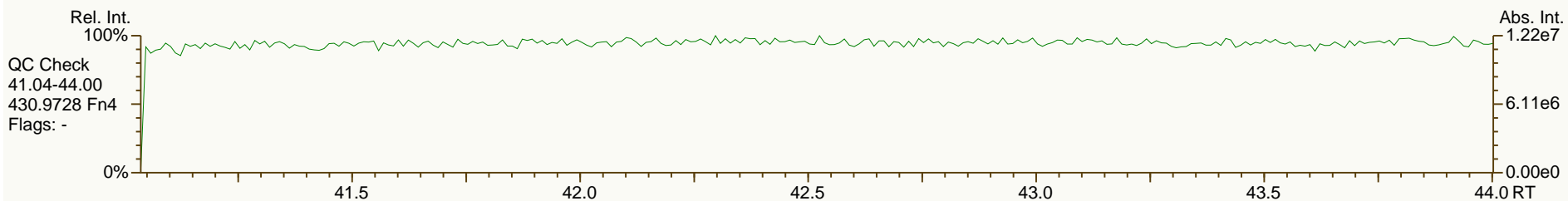
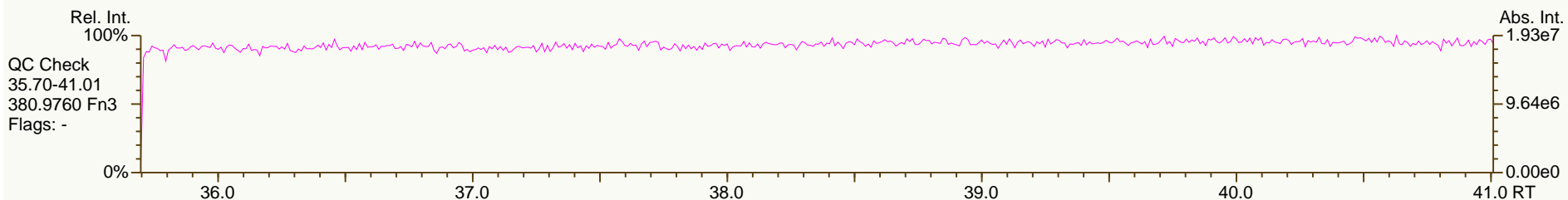
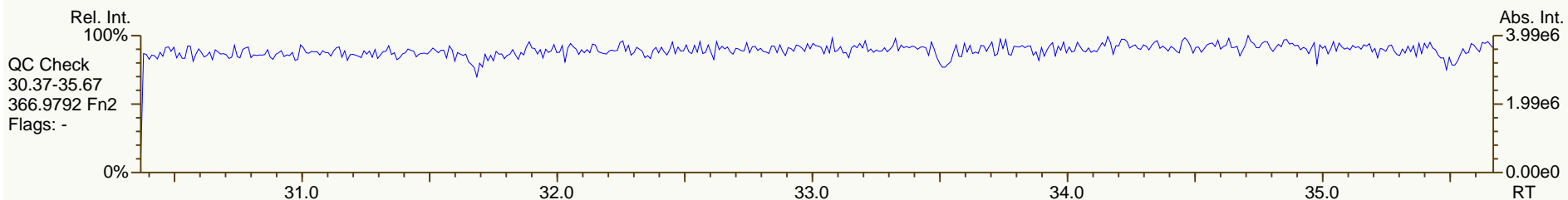
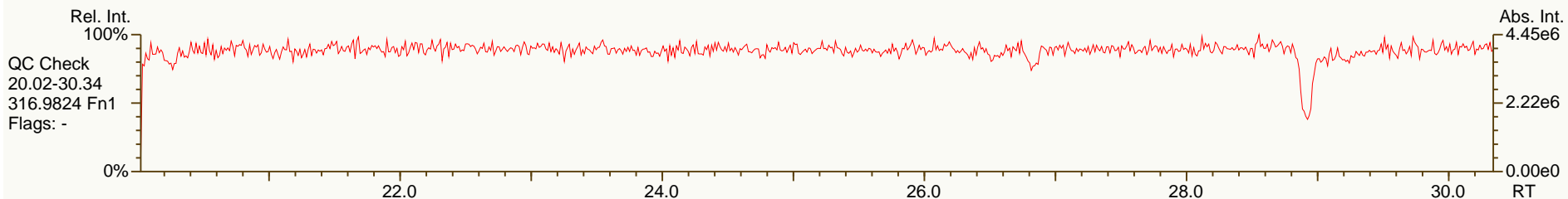
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JS 1234-TCDF	25.48		-	-	-	1.44E+08	0.71	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	3.80E+07	1.17	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.91E+07	n/a	-	1.10	93.1
CS 12347-PeCDD	33.55		1.2327	1.2327	0	8.28E+07	1.59	Y	0.79	109
CS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.17E+08	1.57	Y	0.87	93.4
CS 123469-HxCDF	38.12		0.9749	0.9748	-0.2	9.38E+07	0.54	Y	1.21	102
CS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	7.46E+07	0.44	Y	0.89	110
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	3.91E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2327	0	8.28E+07	1.59	Y	0.89	122
SS 12346-PeCDF	31.82		1.2486	1.2489	+0.5	1.17E+08	1.57	Y	0.99	106
SS 123469-HxCDF	38.12		0.9749	0.9748	-0.2	9.38E+07	0.54	Y	0.87	110
SS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	7.46E+07	0.44	Y	0.87	115
AS 1368-TCDD	23.92		0.8792	0.8789	-0.5	8.55E+07	0.79	Y	1.00	89.8
AS 1368-TCDF	21.73		0.8532	0.8529	-0.5	1.38E+08	0.72	Y	1.20	79.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	41.7	43.7	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	42.5	45.7	Original Values	Corrected Values
Total HxCDD	578	578	Ratio 0.62	0.77
Total HpCDD	1430	1430	Response 1.90E+05	1.66E+05
Total Tetra-Octa Dioxins	7460	7470		
Total TCDF	38.4	39.9		
Total PeCDF	54.3	56		
Total HxCDF	196	196		
Total HpCDF	424	424		
Total Tetra-Octa Furans	881	884		
Total Tetra-Octa Dioxins & Furans	8340	8350		

SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

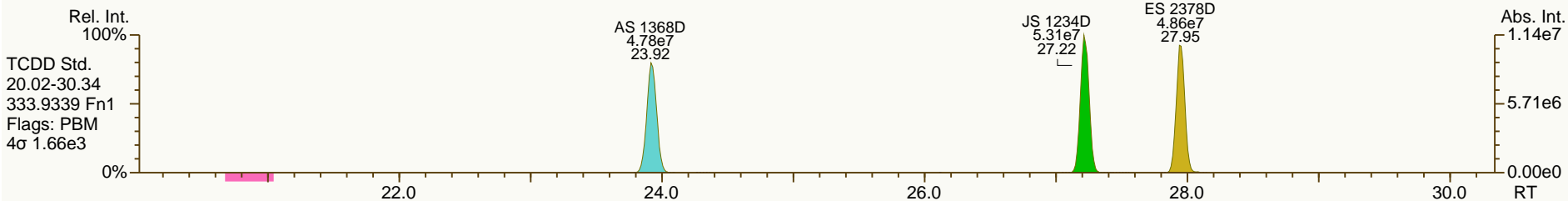
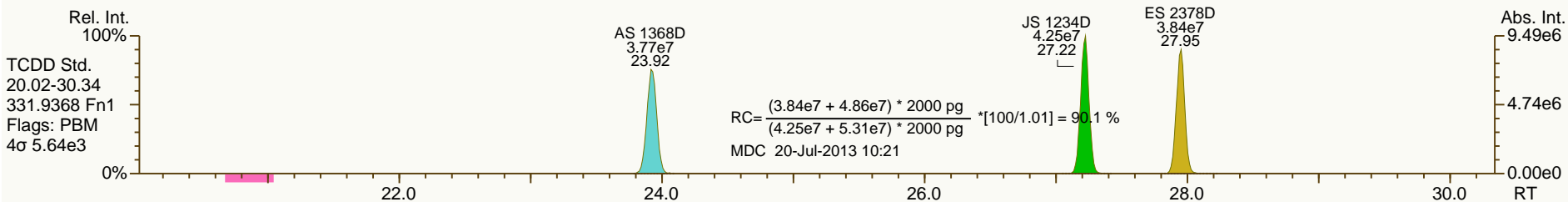
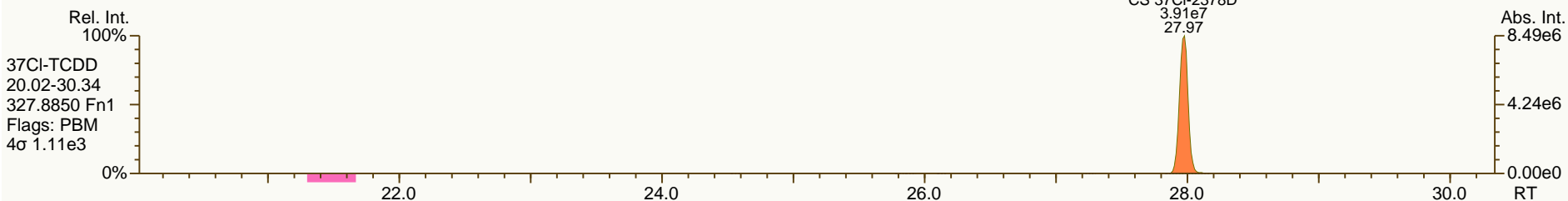
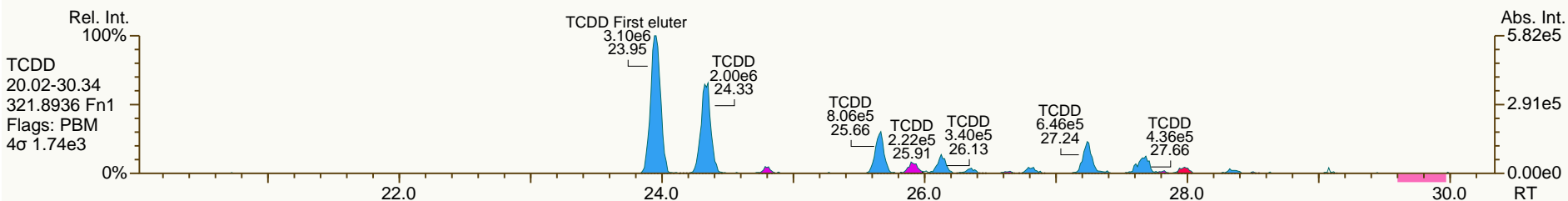
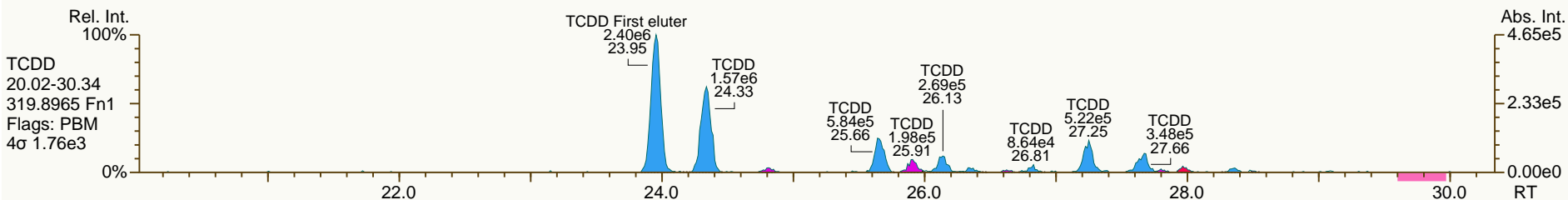
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

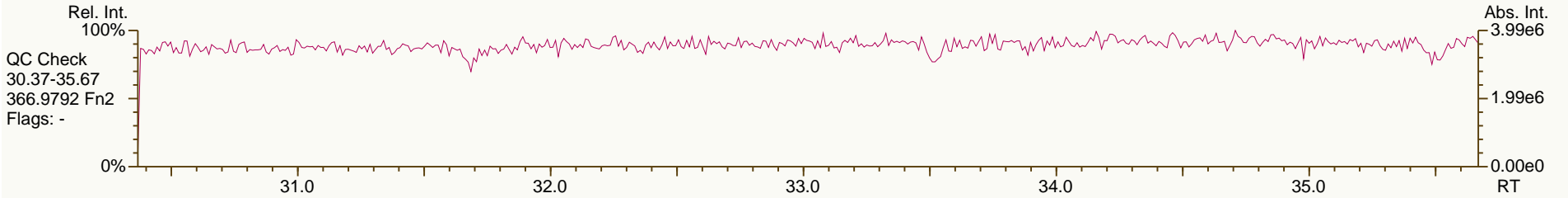
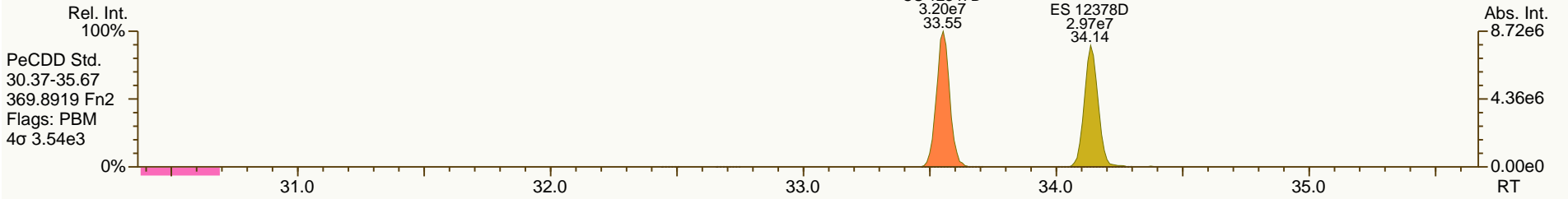
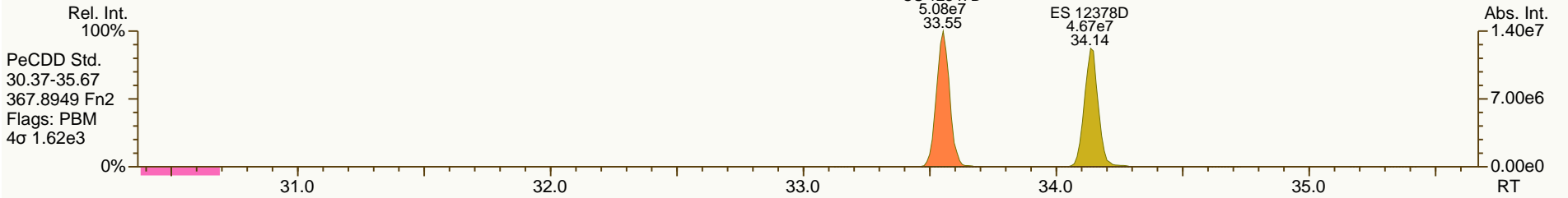
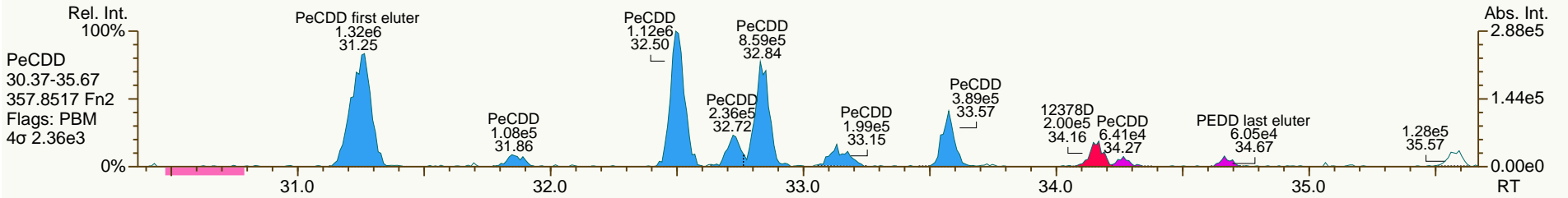
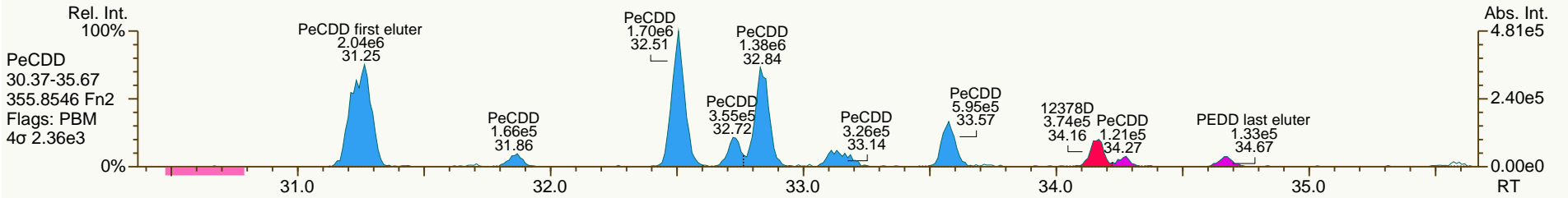
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SGS-AP ID: A5698_11123_DF_010
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

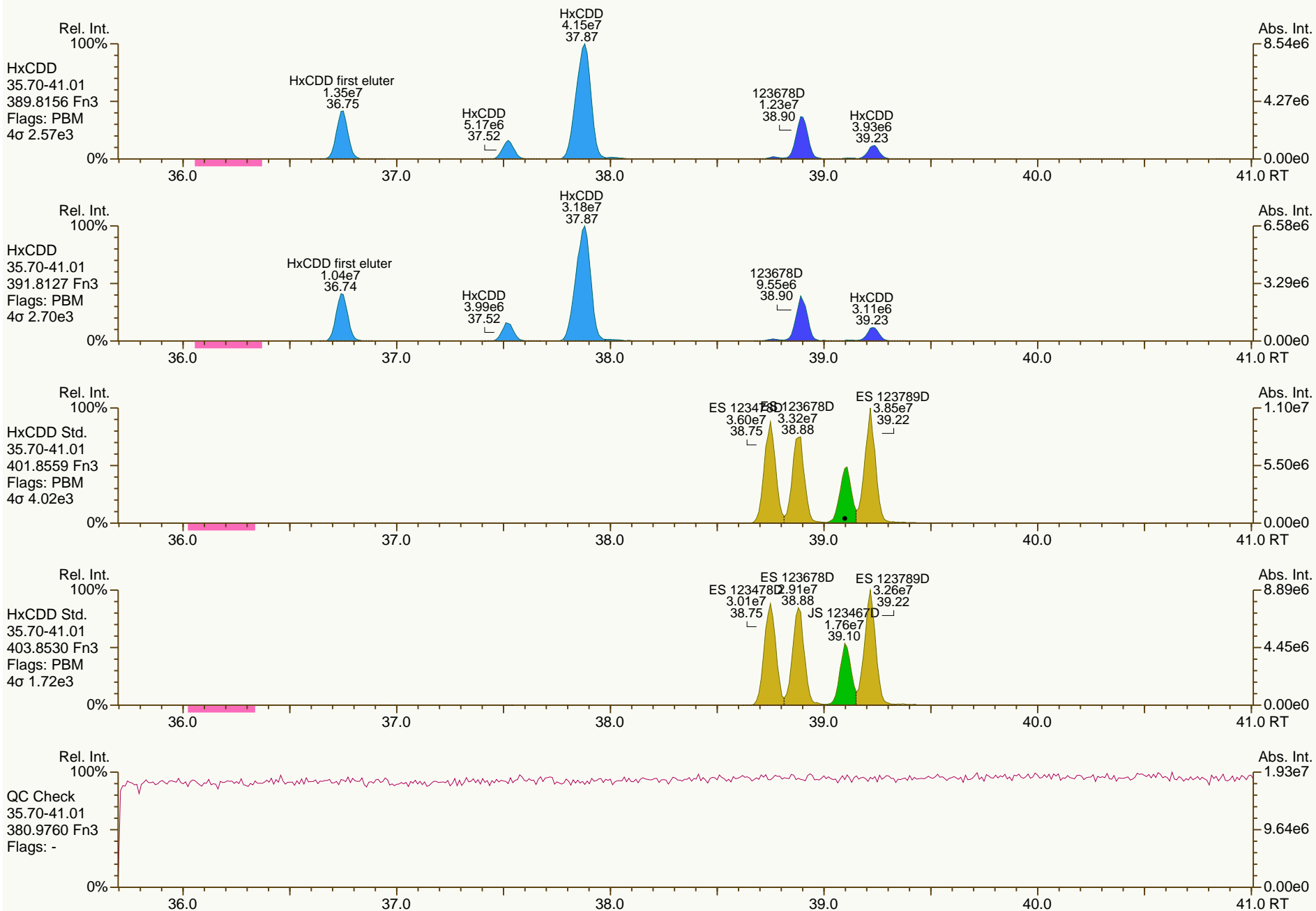
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

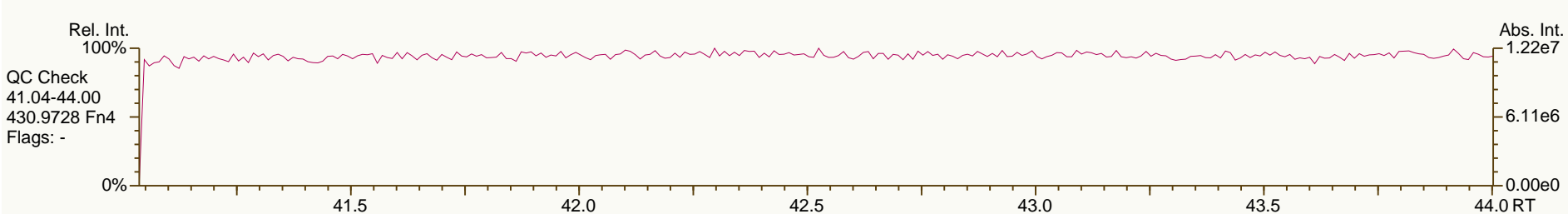
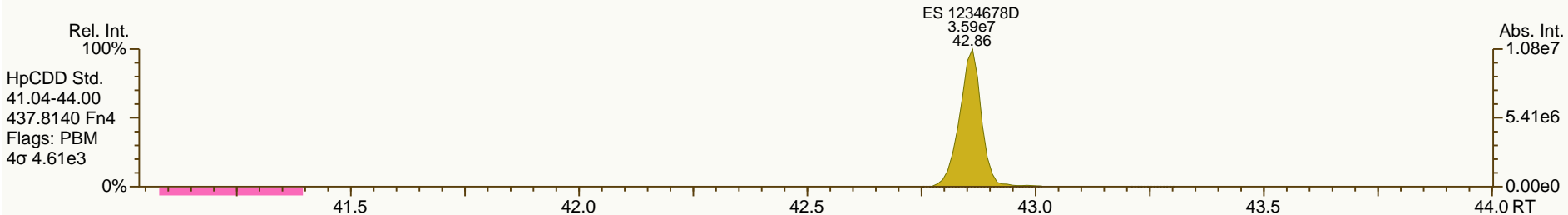
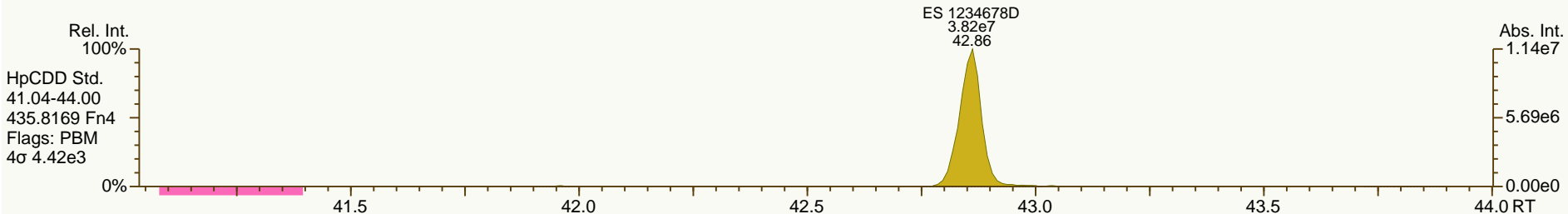
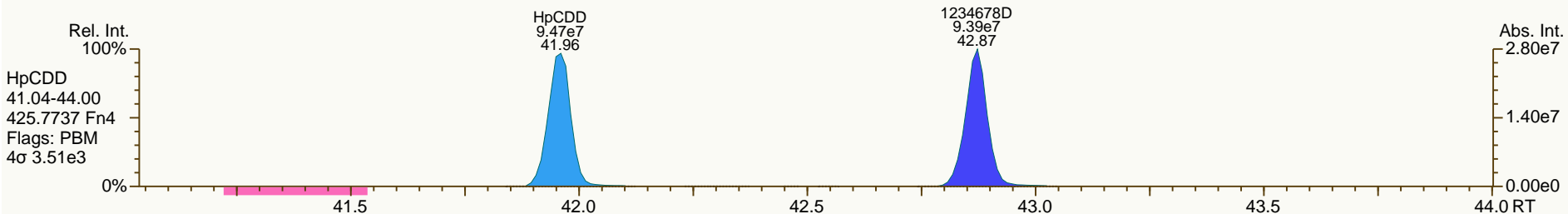
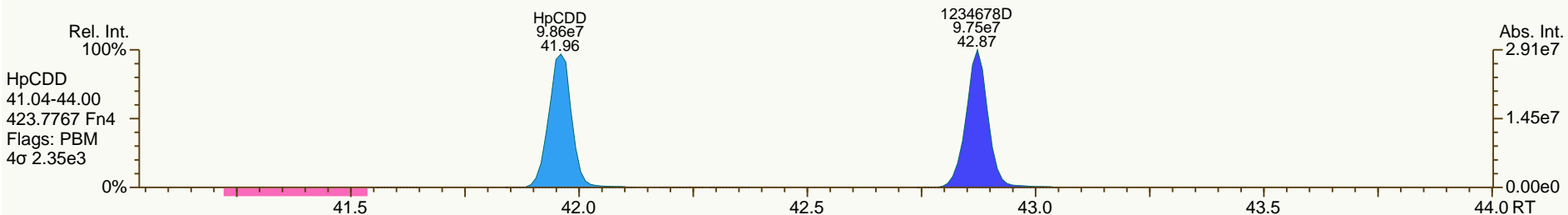
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

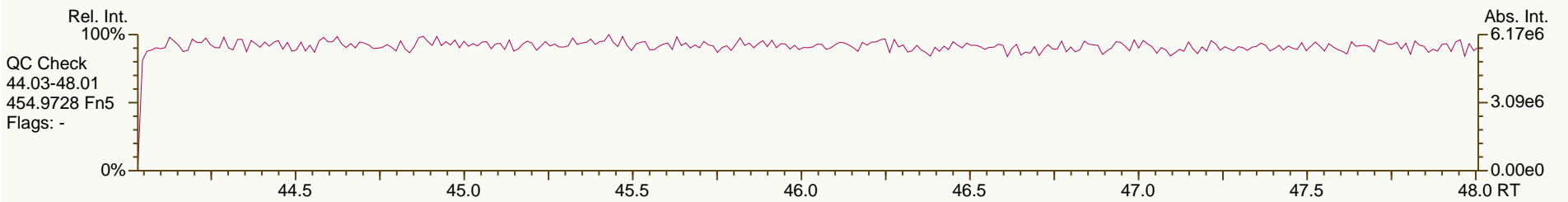
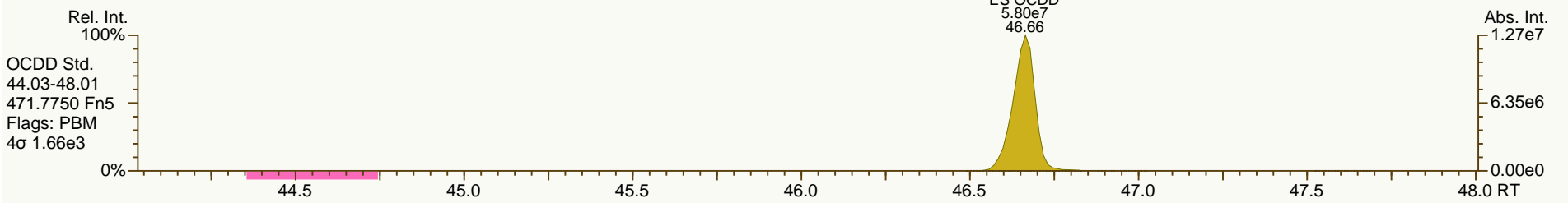
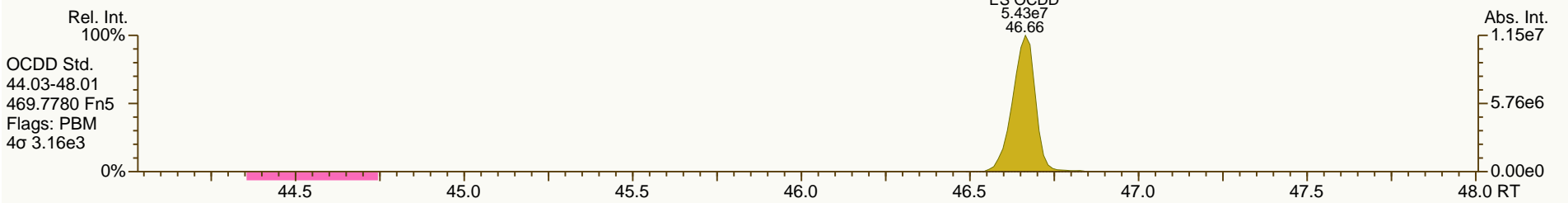
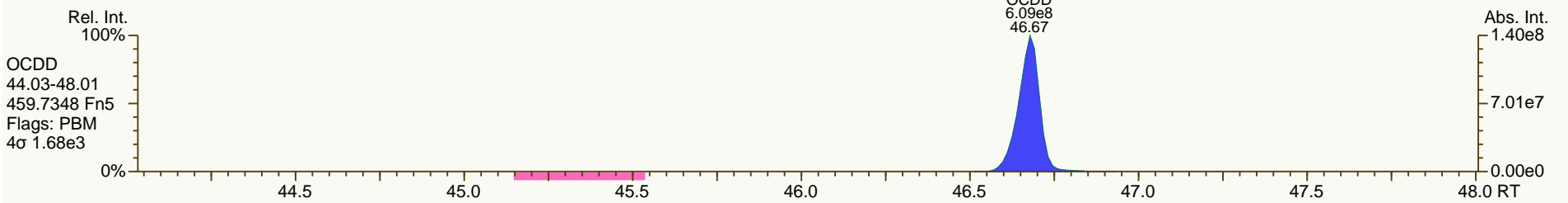
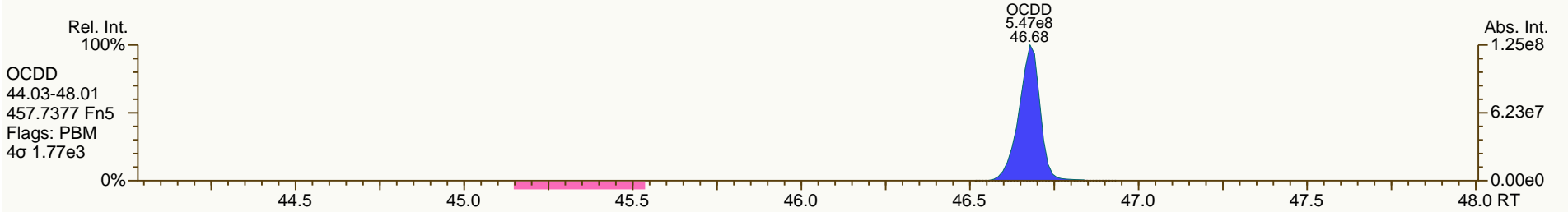
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SGS-AP ID: A5698_11123_DF_010
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

Acq: 18-JUL-2013 23:55:40
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

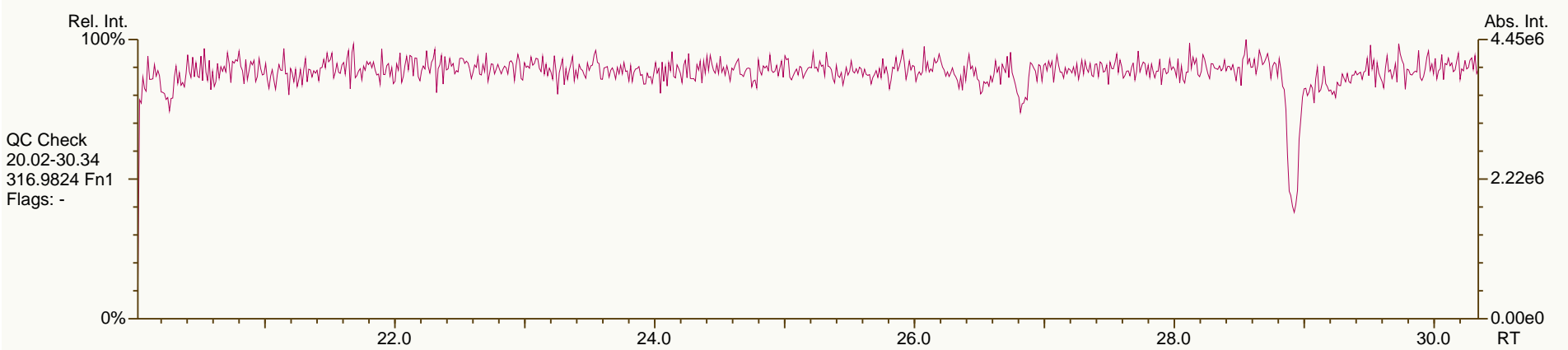
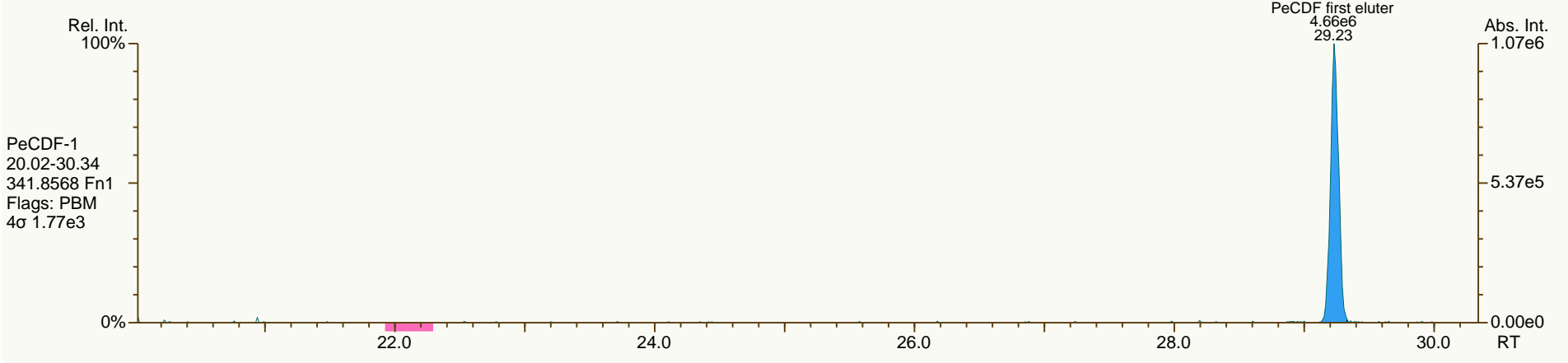
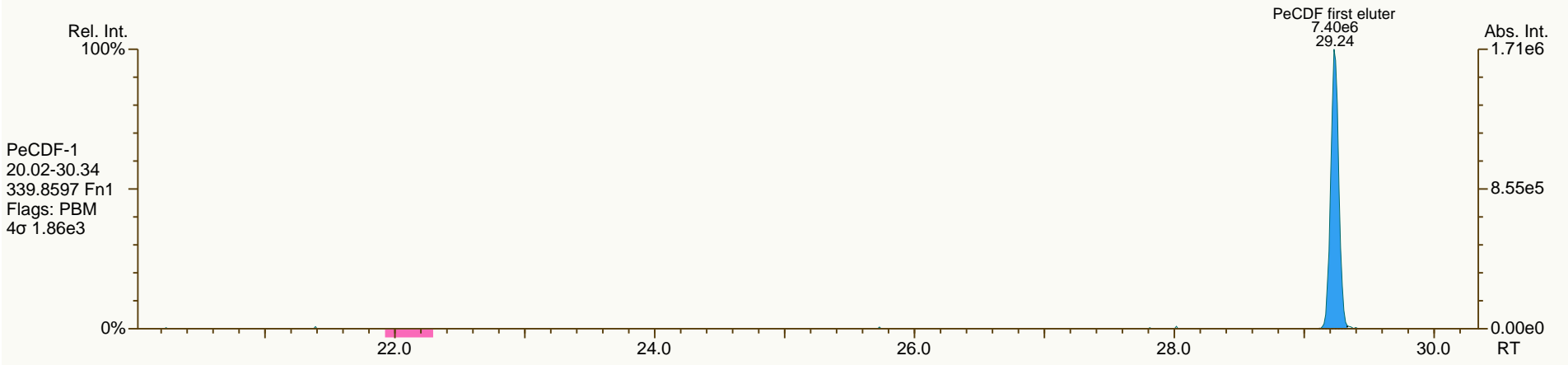
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SGS-AP ID: A5698_11123_DF_010
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

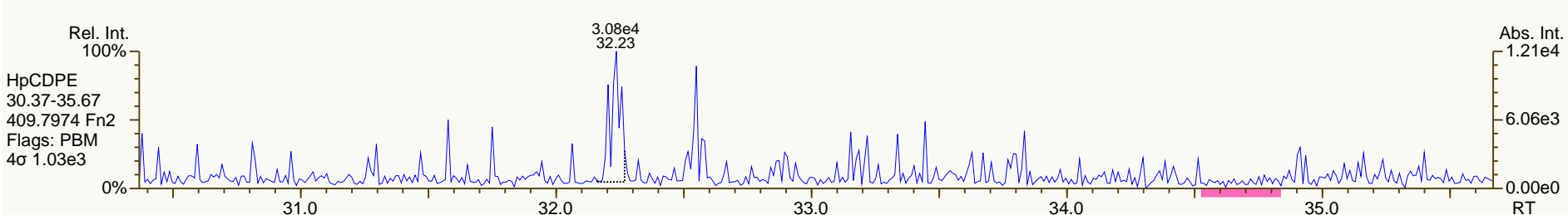
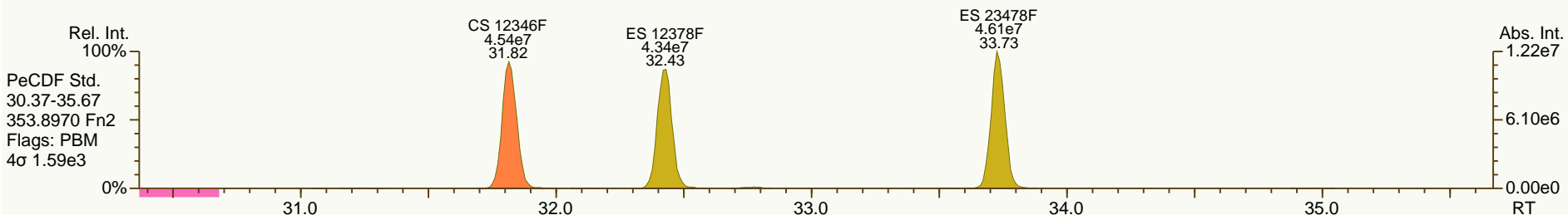
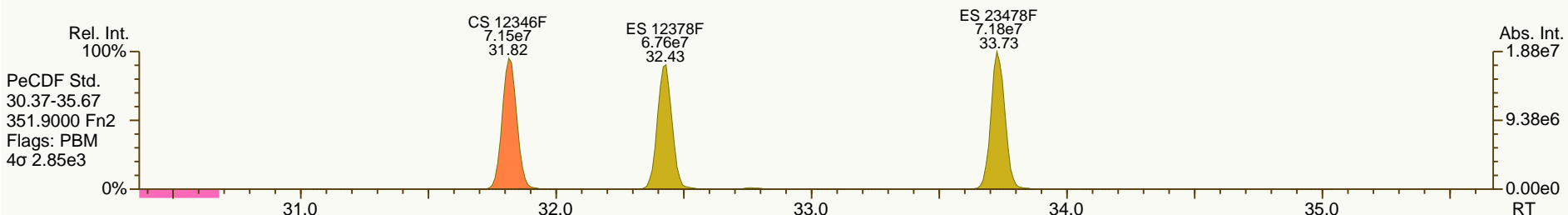
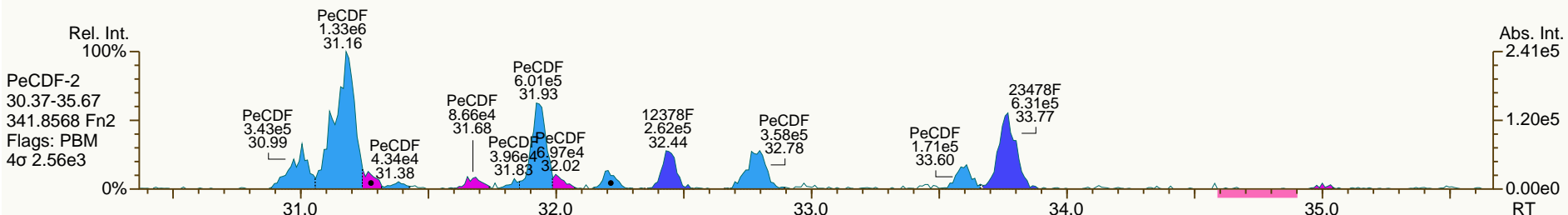
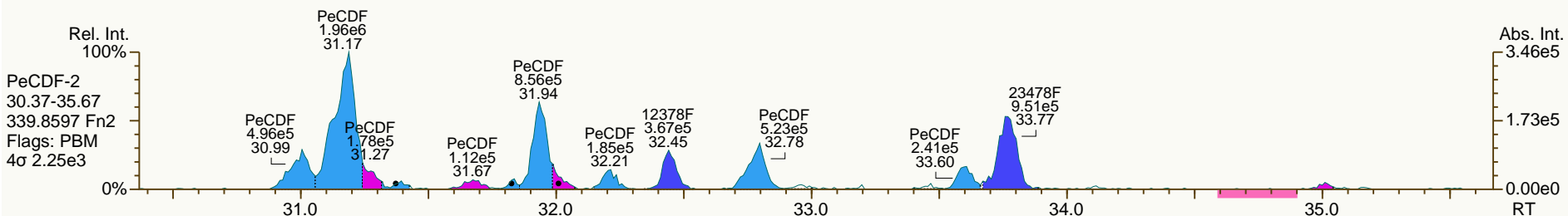
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SGS-AP ID: A5698_11123_DF_010
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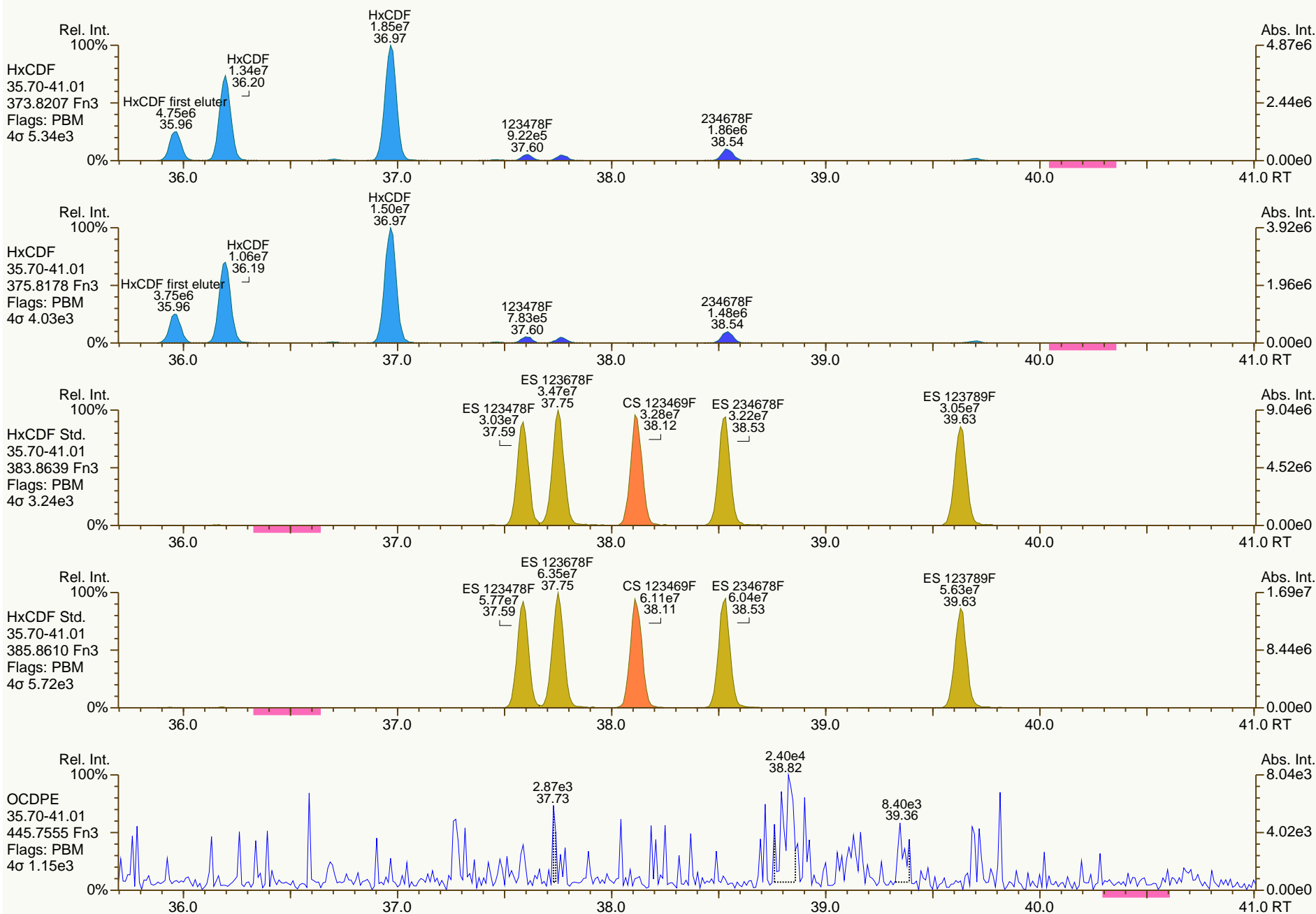
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SGS-AP ID: A5698_11123_DF_010
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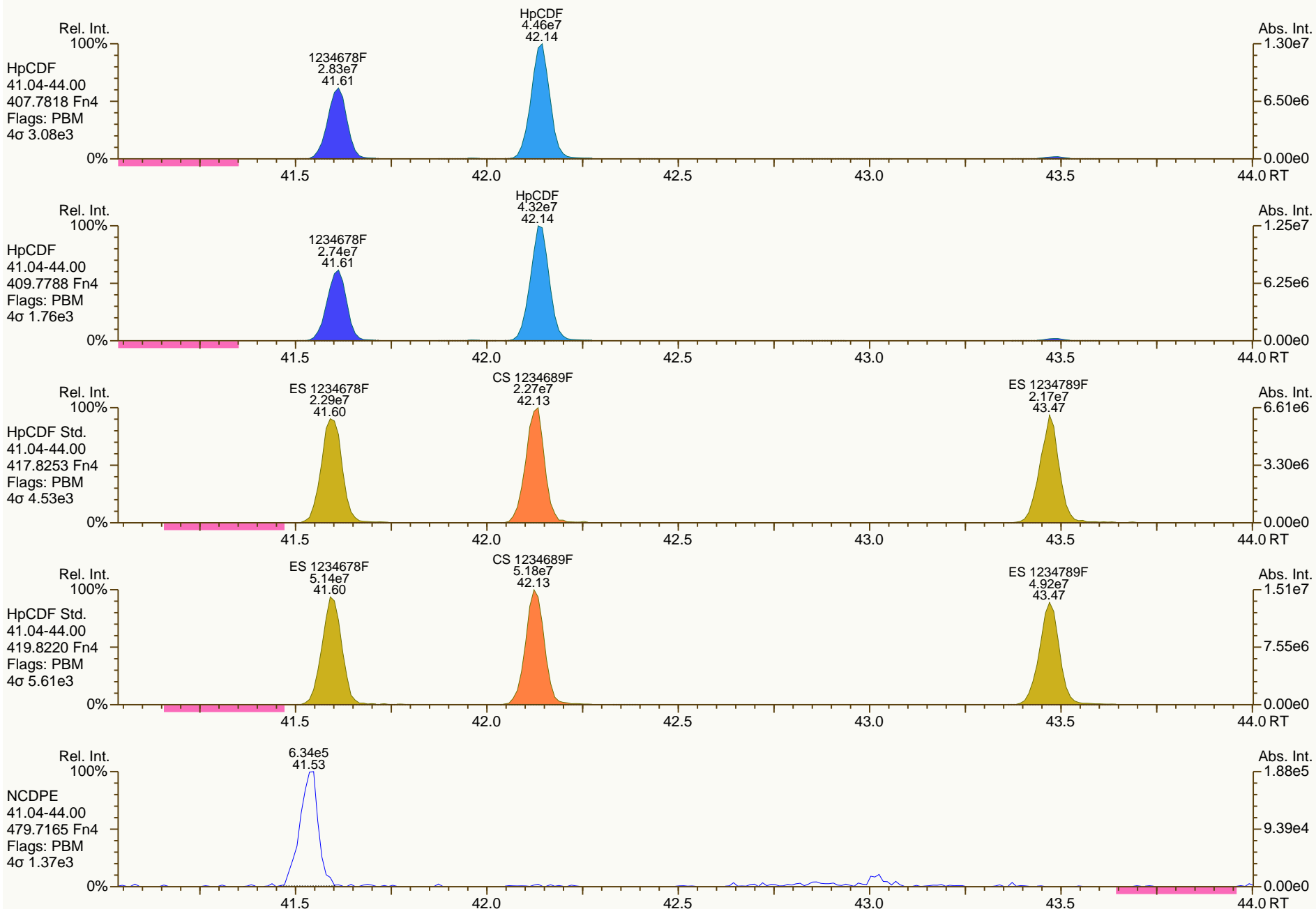
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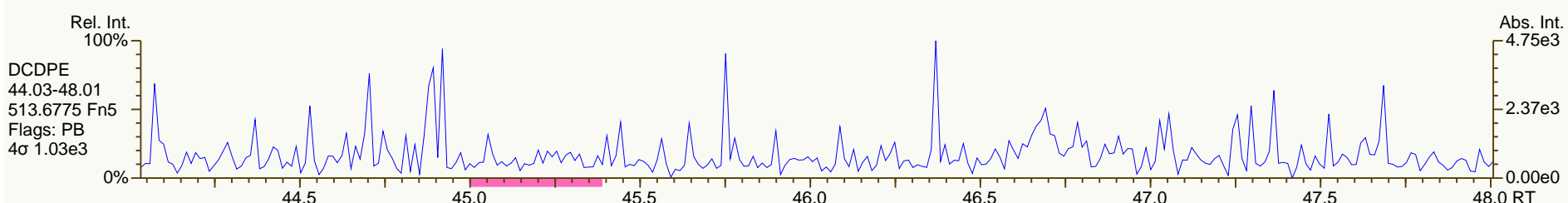
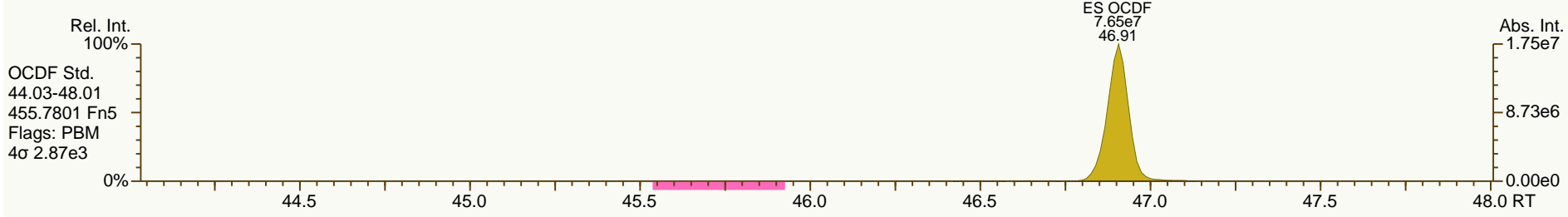
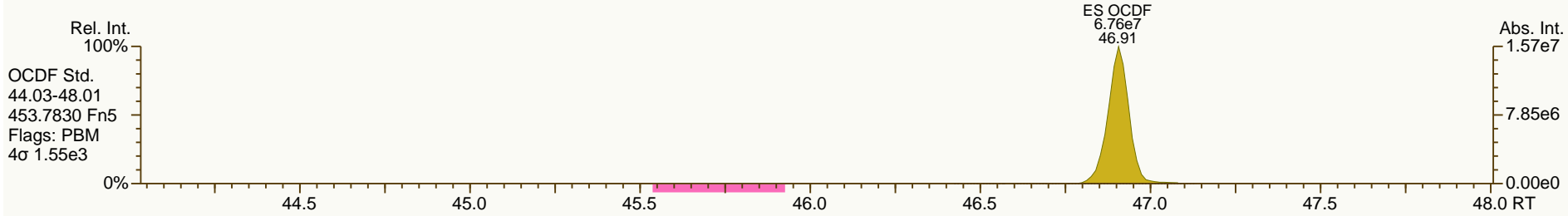
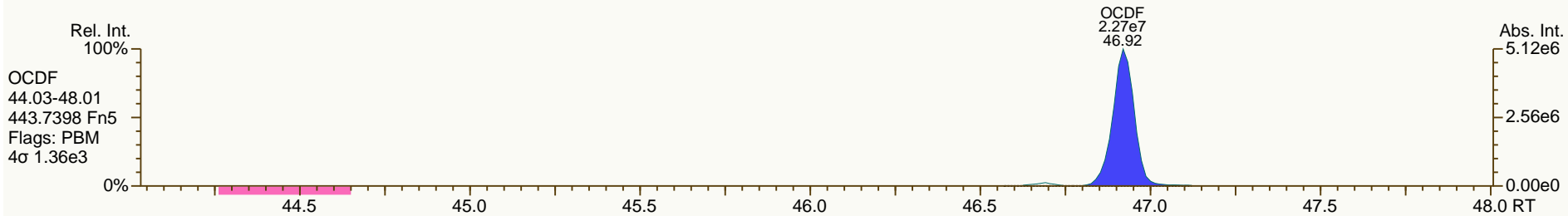
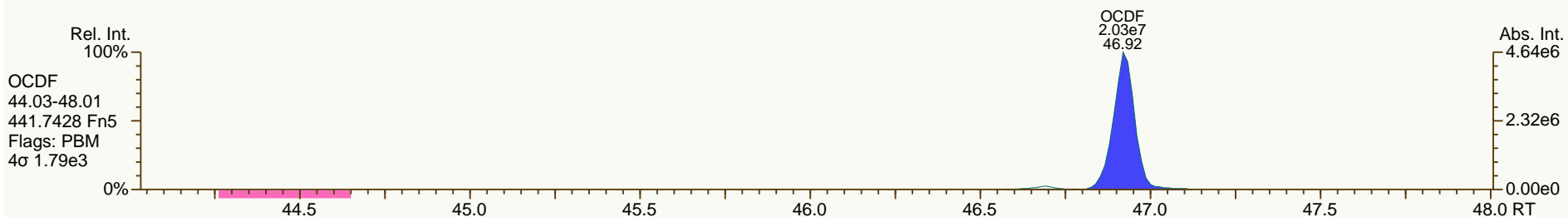
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SGS-AP ID: A5698_11123_DF_010
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-A-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 24

Acq: 18-JUL-2013 23:55:40
 User: MDC Datafile: 130718P2-03



Lab ID: A5698_11123_DF_011

Acq'd: 19 Jul 2013 00:48 MDC

Wt/Vol: 6.68 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-B-130423

UTP: 20-Jul-2013 10:06 MDC

J-level: 0.749 pg/g

Split: 1

Checkcode: 083-381-QDC

Datafile: 130718P2-04

Report: 20 Jul 2013 10:07 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.97		1.0009	1.0010	+0.2	2.28E+05	0.95	N	1.06	1.12	3298	0.184
12378-PeCDD	34.16		1.0006	1.0006	0	3.74E+05	1.76	Y	0.94	2.32	4975	0.284
123478-HxCDD	38.77		1.0004	1.0005	+0.2	4.53E+05	1.10	Y	1.02	2.95	5513	0.339
123678-HxCDD	38.90		1.0039	1.0039	0	2.24E+06	1.28	Y	1.04	15.7	5513	0.373
123789-HxCDD	39.23		1.0125	1.0125	0	1.02E+06	1.27	Y	0.98	6.67	5513	0.355
1234678-HpCDD	42.88		1.0004	1.0004	0	4.41E+07	1.02	Y	1.02	273	5064	0.28
OCDD	46.67		1.0003	1.0003	0	2.50E+08	0.90	Y	1.08	2,010	5735	0.495
2378-TCDF	27.00		1.0009	1.0010	+0.2	3.17E+06	0.78	Y	0.97	11	2981	0.12
12378-PeCDF	32.45		1.0006	1.0006	0	5.62E+05	1.49	Y	1.00	2.14	4204	0.157
23478-PeCDF	33.76		1.0006	1.0009	+0.6	1.07E+06	1.42	Y	0.96	4.22	4204	0.16
123478-HxCDF	37.60		1.0005	1.0005	0	8.26E+05	1.34	Y	1.23	3.52	5719	0.226
123678-HxCDF	37.77		1.0005	1.0005	0	6.06E+05	1.21	Y	1.14	2.42	5719	0.209
234678-HxCDF	38.54		1.0005	1.0004	-0.2	1.03E+06	1.19	Y	1.14	4.39	5719	0.218
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5719	0.264
1234678-HpCDF	41.61		1.0004	1.0003	-0.2	1.48E+07	1.02	Y	1.34	69.6	4971	0.201
1234789-HpCDF	43.49		1.0003	1.0003	0	9.26E+05	0.98	Y	1.30	4.63	4971	0.233
OCDF	46.92		1.0004	1.0004	0	3.32E+07	0.90	Y	1.00	220	3061	0.219

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.95	1.0268	1.0268	0	5.75E+07	0.81	Y	1.01	93.6
ES 12378-PeCDD	34.14	1.2541	1.2543	+0.3	5.15E+07	1.58	Y	0.90	94.5
ES 123478-HxCDD	38.75	0.9910	0.9909	-0.2	4.48E+07	1.19	Y	0.99	92.5
ES 123678-HxCDD	38.88	0.9944	0.9943	-0.2	4.11E+07	1.18	Y	1.02	82.3
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	4.69E+07	1.16	Y	1.12	86.4
ES 1234678-HpCDD	42.86	1.0959	1.0961	+0.5	4.73E+07	1.09	Y	0.90	107
ES OCDD	46.65	1.1930	1.1932	+0.5	6.89E+07	0.92	Y	0.74	95.4
ES 2378-TCDF	26.97	1.0586	1.0586	0	8.83E+07	0.71	Y	1.05	88.4
ES 12378-PeCDF	32.43	1.2725	1.2729	+0.6	7.90E+07	1.54	Y	0.88	94.8
ES 23478-PeCDF	33.73	1.3237	1.3239	+0.3	7.89E+07	1.54	Y	0.91	91.5
ES 123478-HxCDF	37.58	0.9613	0.9612	-0.2	5.71E+07	0.53	Y	1.25	93.7
ES 123678-HxCDF	37.75	0.9655	0.9654	-0.2	6.61E+07	0.54	Y	1.40	96.8
ES 234678-HxCDF	38.53	0.9853	0.9853	0	6.17E+07	0.53	Y	1.29	97.9
ES 123789-HxCDF	39.63	1.0136	1.0135	-0.2	5.68E+07	0.54	Y	1.17	99.9
ES 1234678-HpCDF	41.60	1.0636	1.0638	+0.5	4.75E+07	0.44	Y	1.03	94.7
ES 1234789-HpCDF	43.47	1.1117	1.1118	+0.2	4.63E+07	0.44	Y	0.89	107
ES OCDF	46.90	1.1993	1.1995	+0.5	9.06E+07	0.91	Y	1.00	92.9

Lab ID: A5698_11123_DF_011

Acq'd: 19 Jul 2013 00:48 MDC

Wt/Vol: 6.68 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA06-SC21-B-130423

UTP: 20-Jul-2013 10:06 MDC

J-level: 0.749 pg/g

Split: 1

Checkcode: 083-381-QDC

Datafile: 130718P2-04

Report: 20 Jul 2013 10:07 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

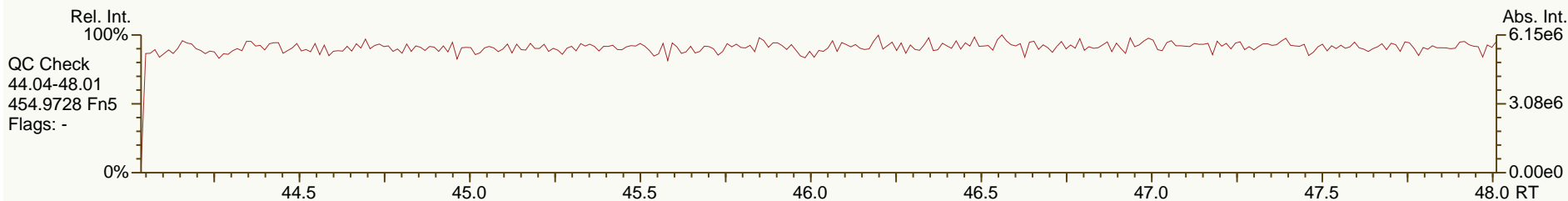
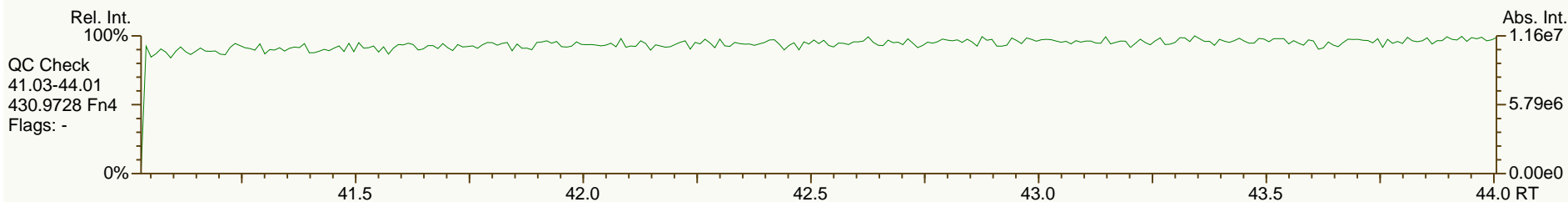
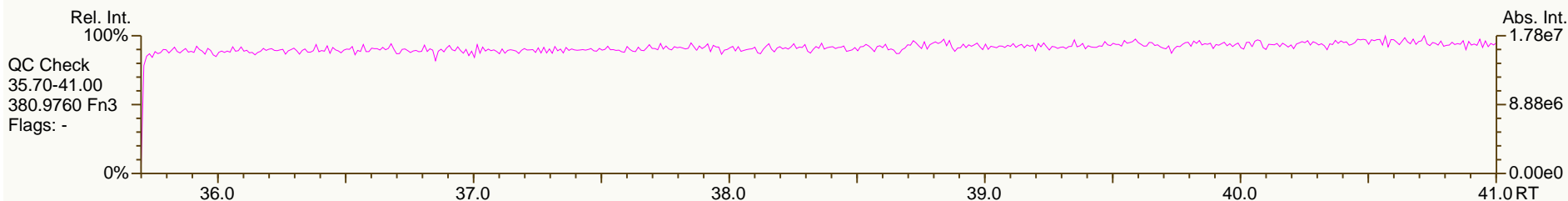
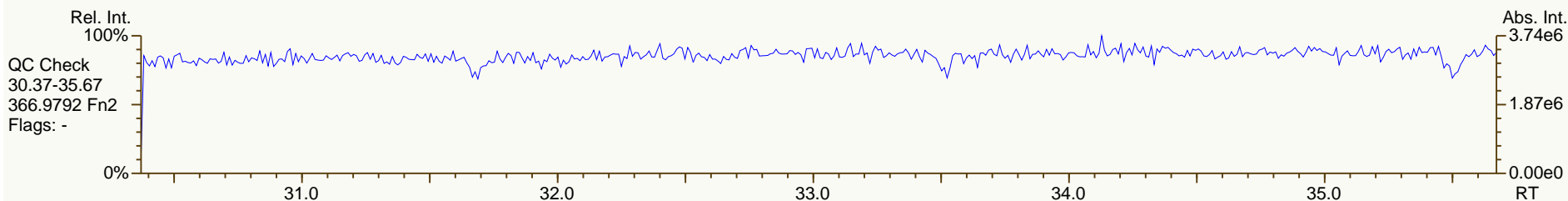
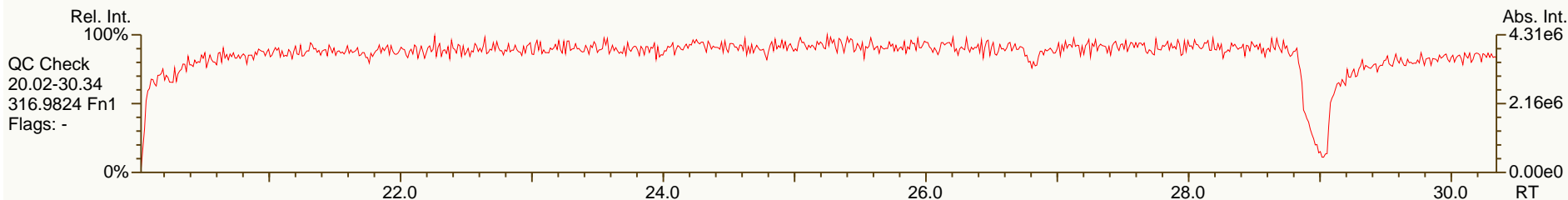
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JS 1234-TCDF	25.48		-	-	-	9.47E+07	0.72	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	2.44E+07	1.14	Y	-	-
CS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.58E+07	n/a	-	1.10	96.6
CS 12347-PeCDD	33.55		1.2327	1.2328	+0.2	5.32E+07	1.59	Y	0.79	110
CS 12346-PeCDF	31.83		1.2486	1.2492	+0.9	8.13E+07	1.57	Y	0.87	99
CS 123469-HxCDF	38.11		0.9749	0.9747	-0.5	6.16E+07	0.55	Y	1.21	104
CS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	4.88E+07	0.45	Y	0.89	112
SS 37Cl-2378-TCDD	27.97		1.0277	1.0277	0	2.58E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2328	+0.2	5.32E+07	1.59	Y	0.89	116
SS 12346-PeCDF	31.83		1.2486	1.2492	+0.9	8.13E+07	1.57	Y	0.99	104
SS 123469-HxCDF	38.11		0.9749	0.9747	-0.5	6.16E+07	0.55	Y	0.87	108
SS 1234689-HpCDF	42.13		1.0773	1.0774	+0.2	4.88E+07	0.45	Y	0.87	118
AS 1368-TCDD	23.93		0.8792	0.8790	-0.3	6.10E+07	0.78	Y	1.00	101
AS 1368-TCDF	21.77		0.8532	0.8544	+1.8	1.03E+08	0.71	Y	1.20	90.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	75	76.5	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	60.7	60.7	Original Values	Corrected Values
Total HxCDD	140	142	Ratio 0.85	0.95
Total HpCDD	538	538	Response 2.67E+05	2.52E+05
Total Tetra-Octa Dioxins	2830	2830		
Total TCDF	93.5	102		
Total PeCDF	52.7	54.1		
Total HxCDF	94.5	94.7		
Total HpCDF	266	266		
Total Tetra-Octa Furans	726	737		
Total Tetra-Octa Dioxins & Furans	3550	3570		

SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

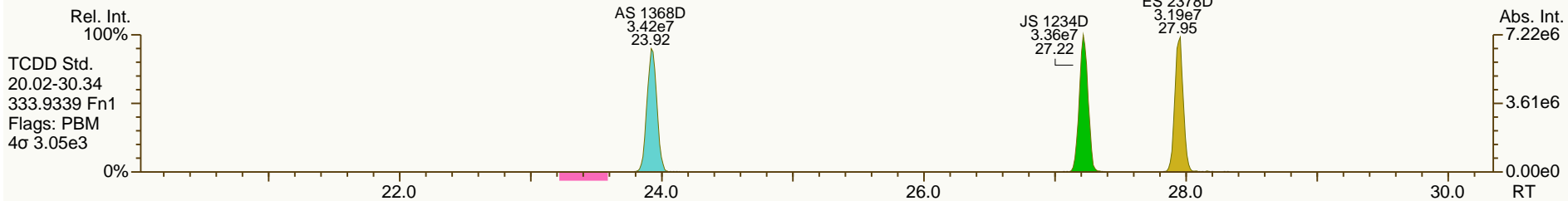
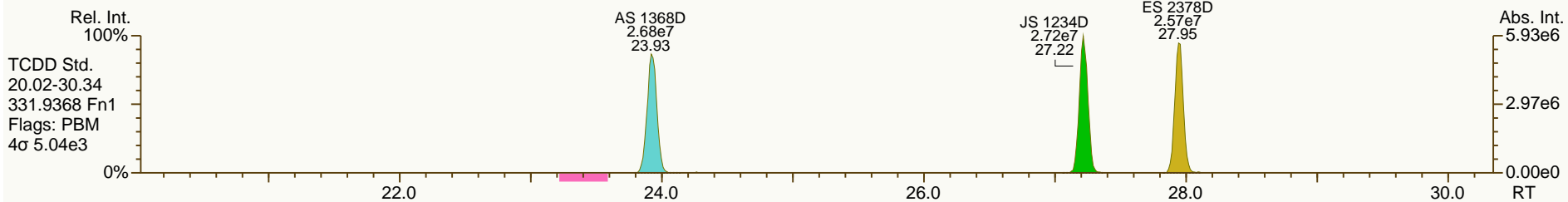
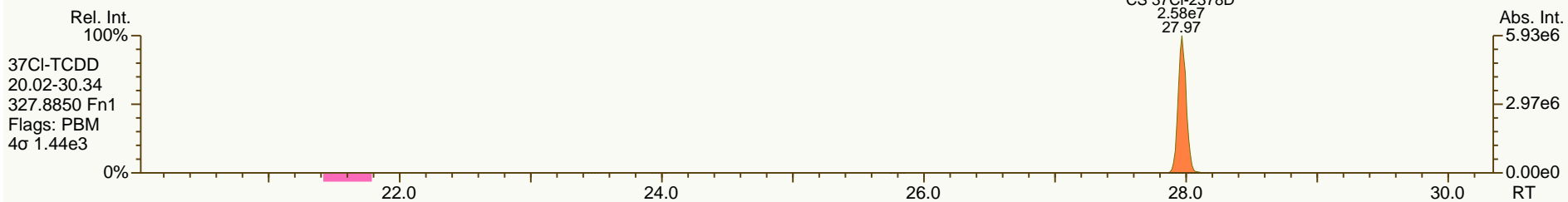
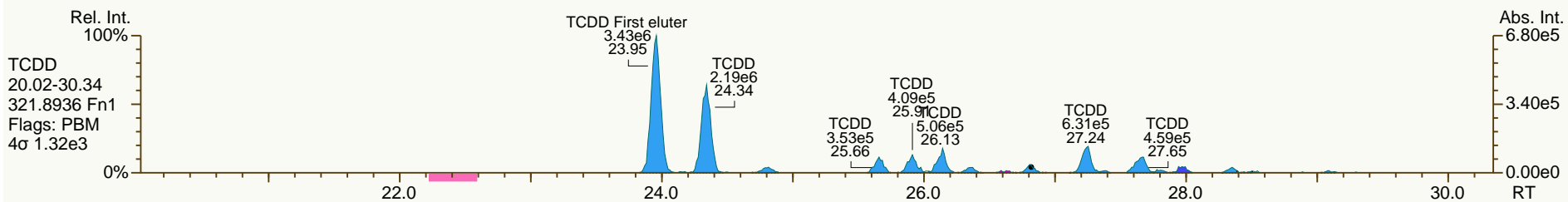
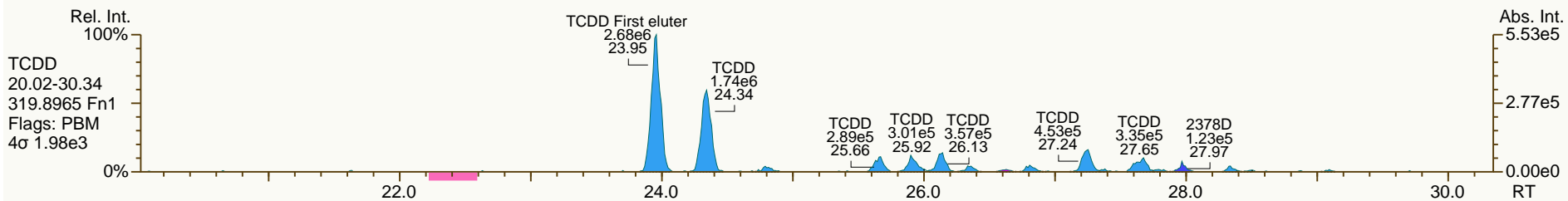
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

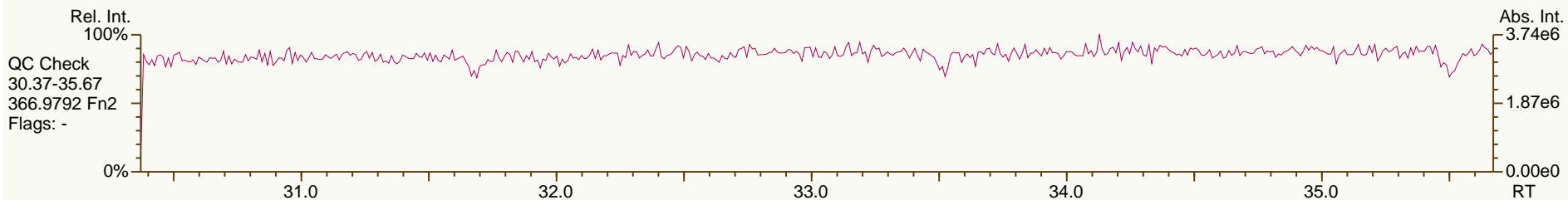
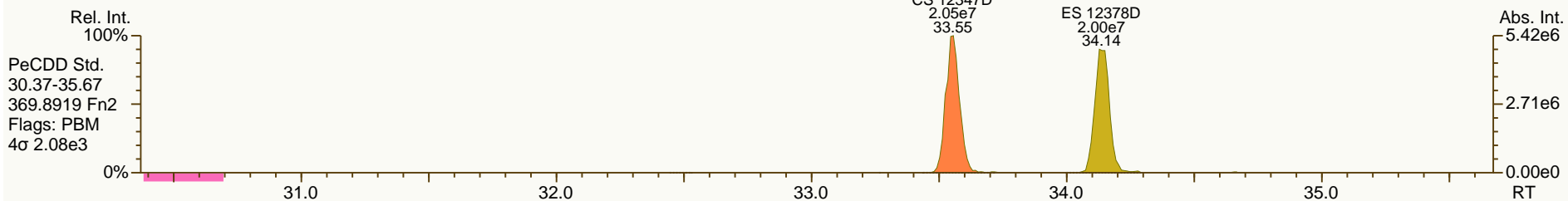
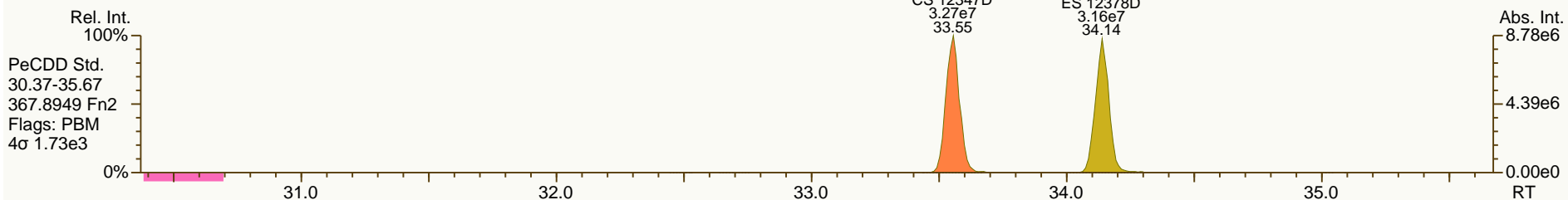
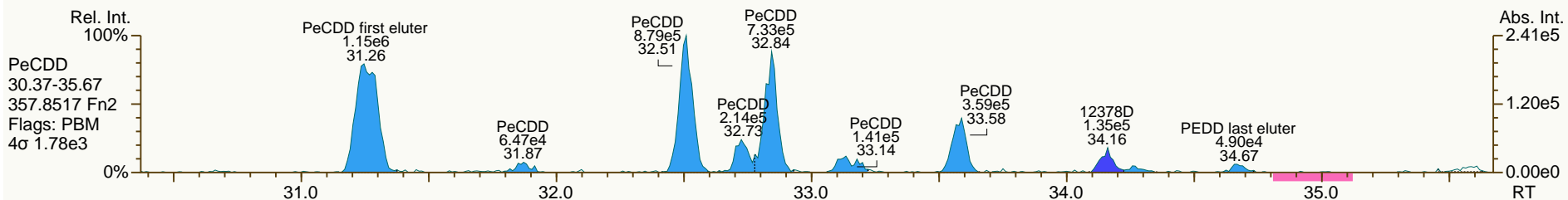
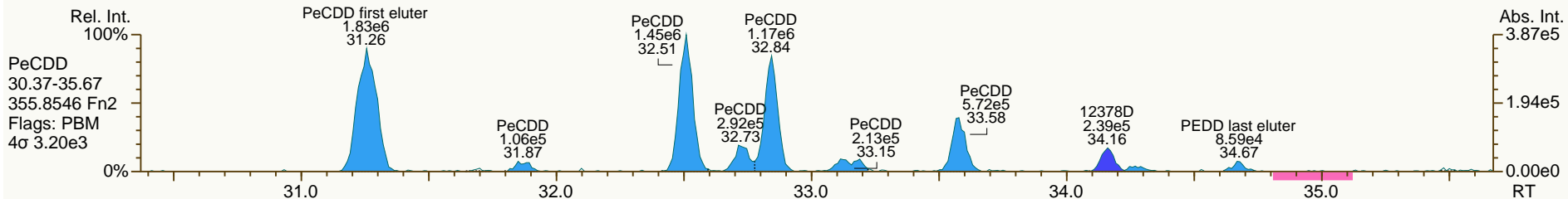
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

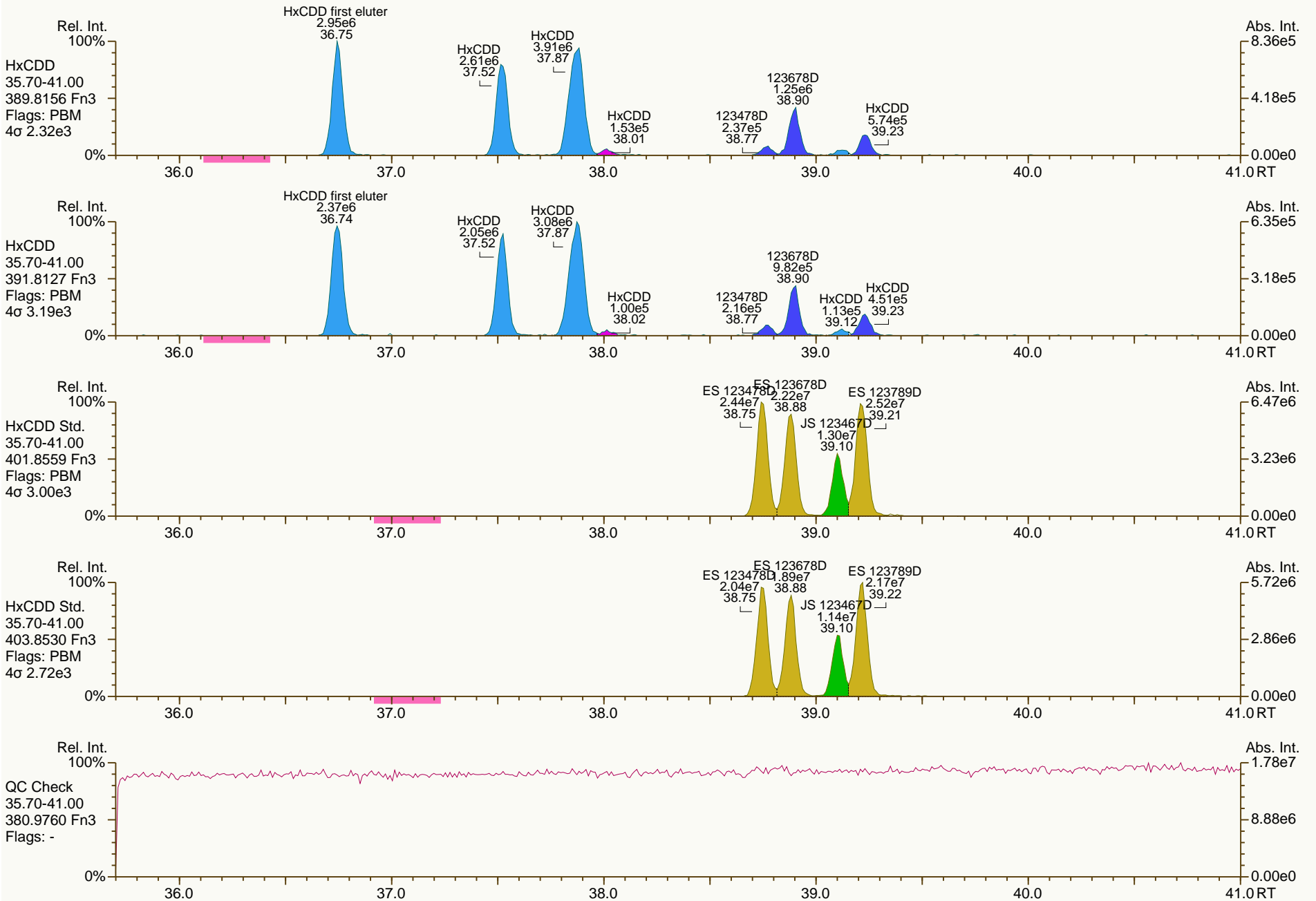
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

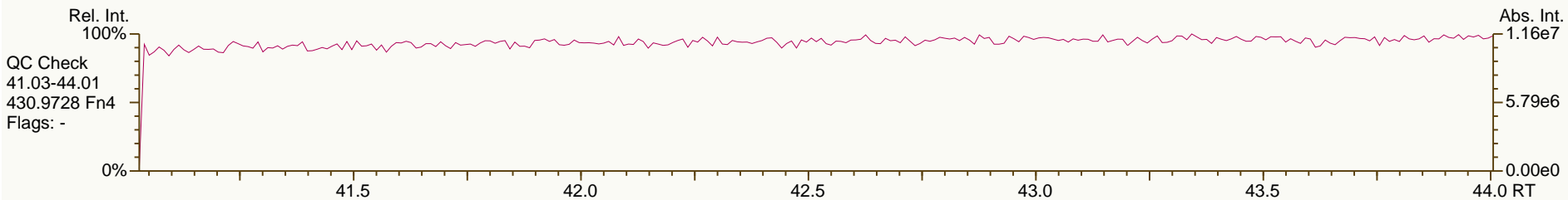
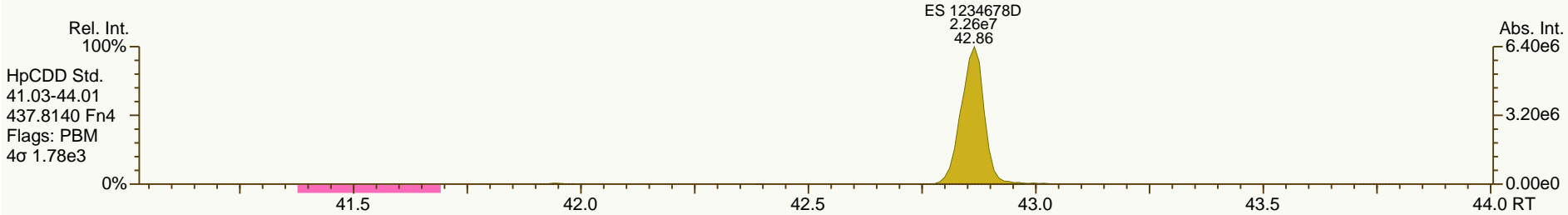
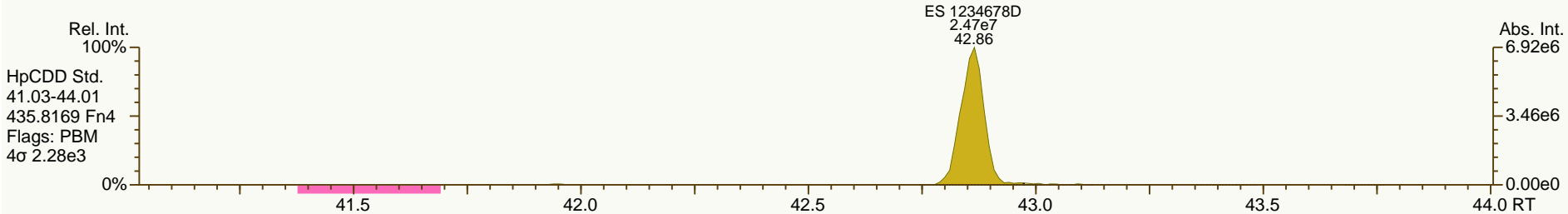
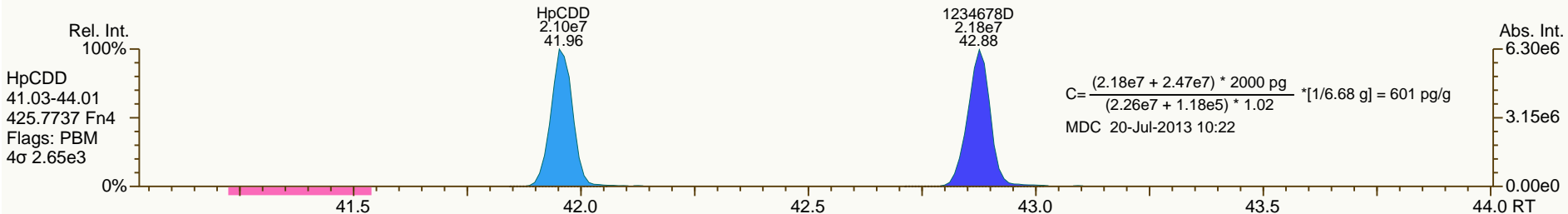
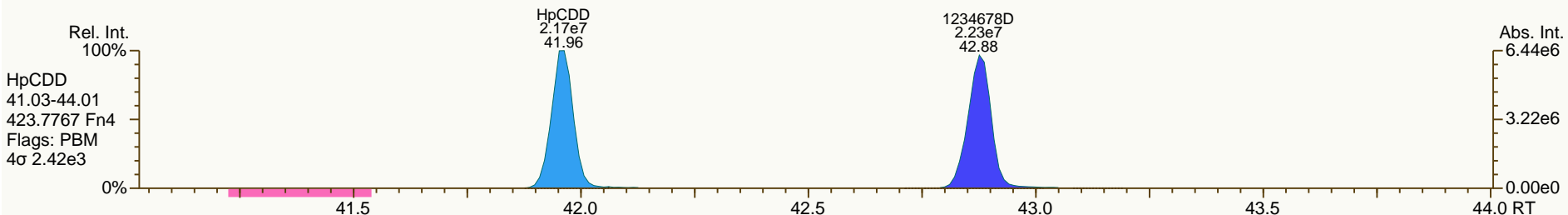
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

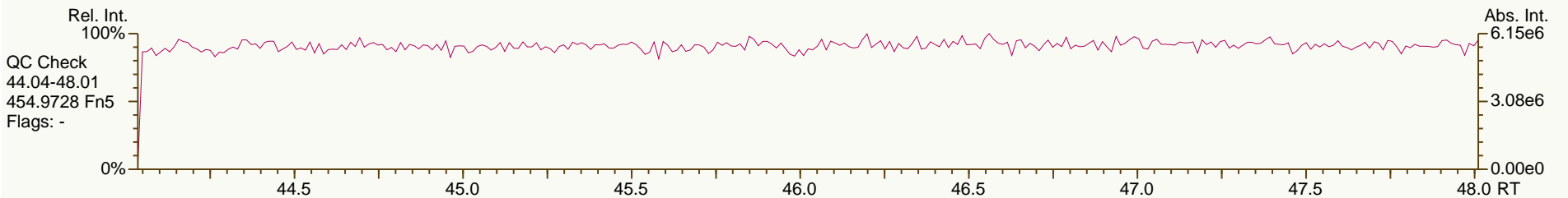
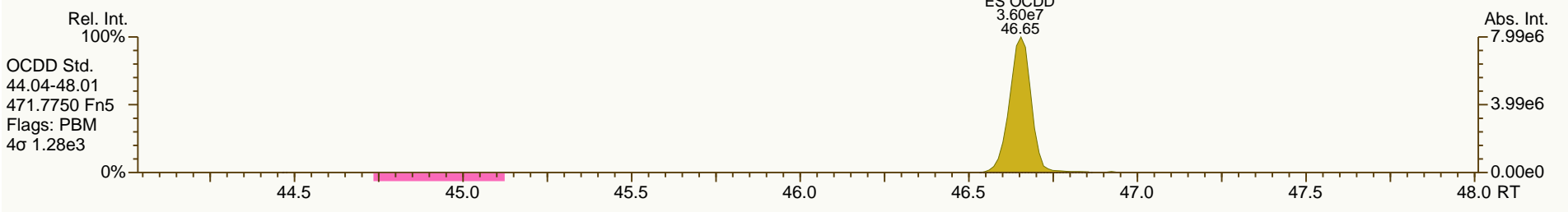
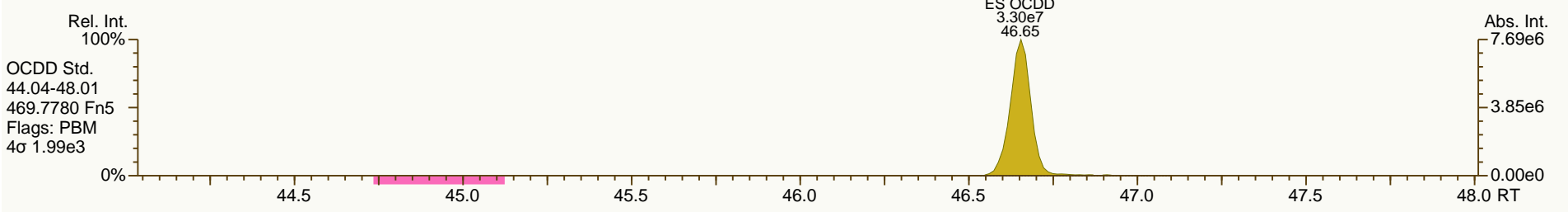
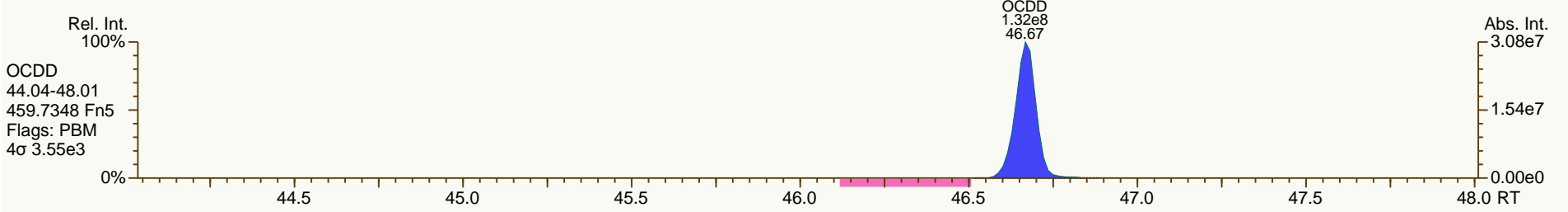
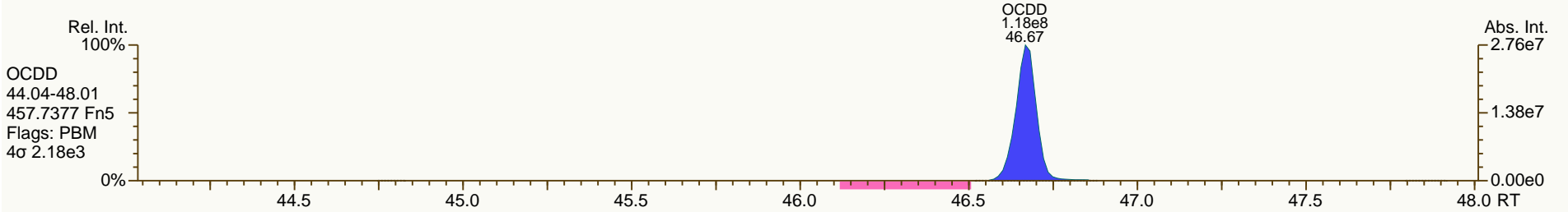
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

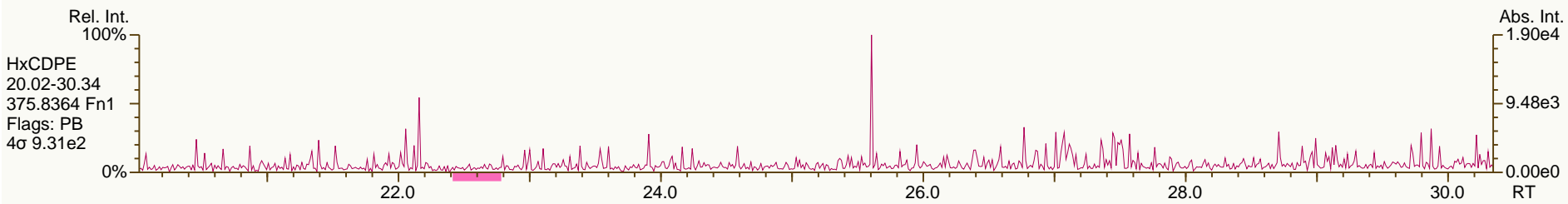
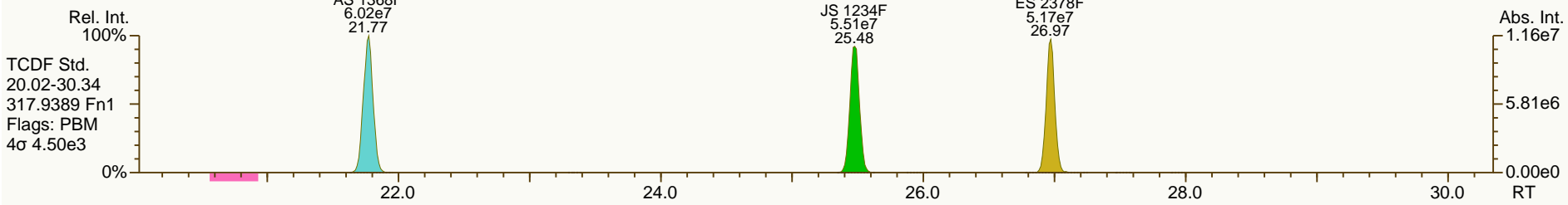
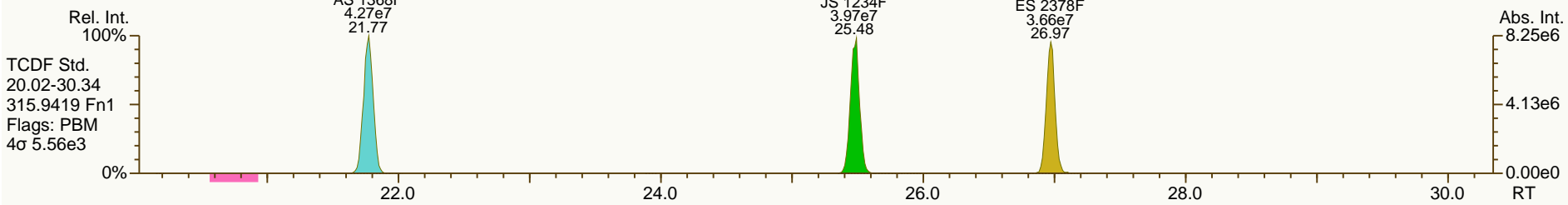
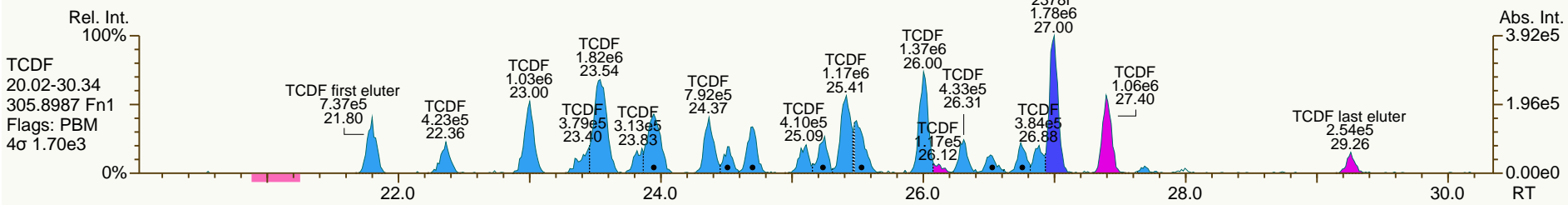
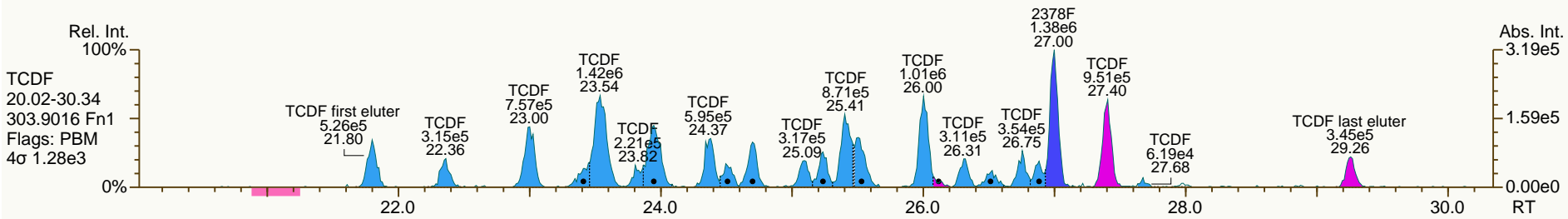
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

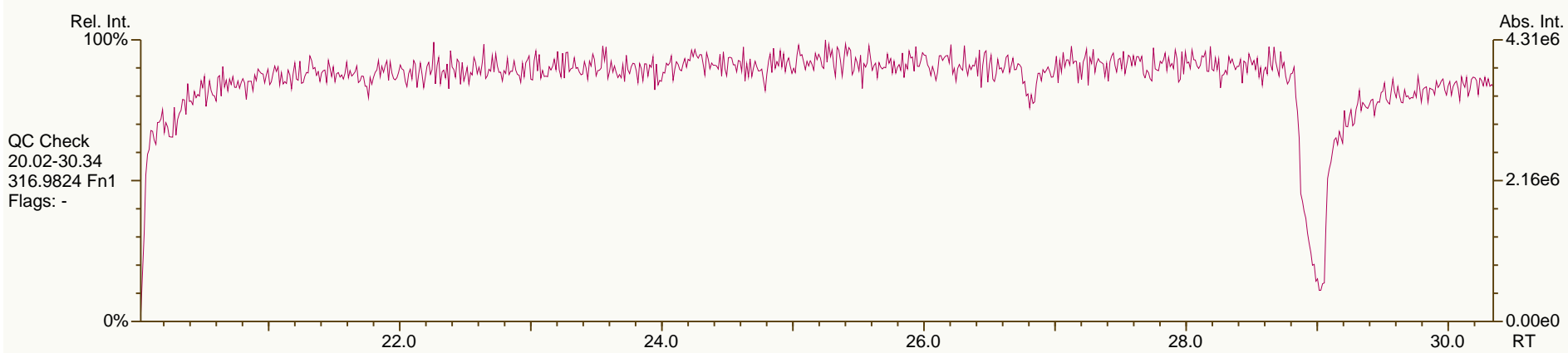
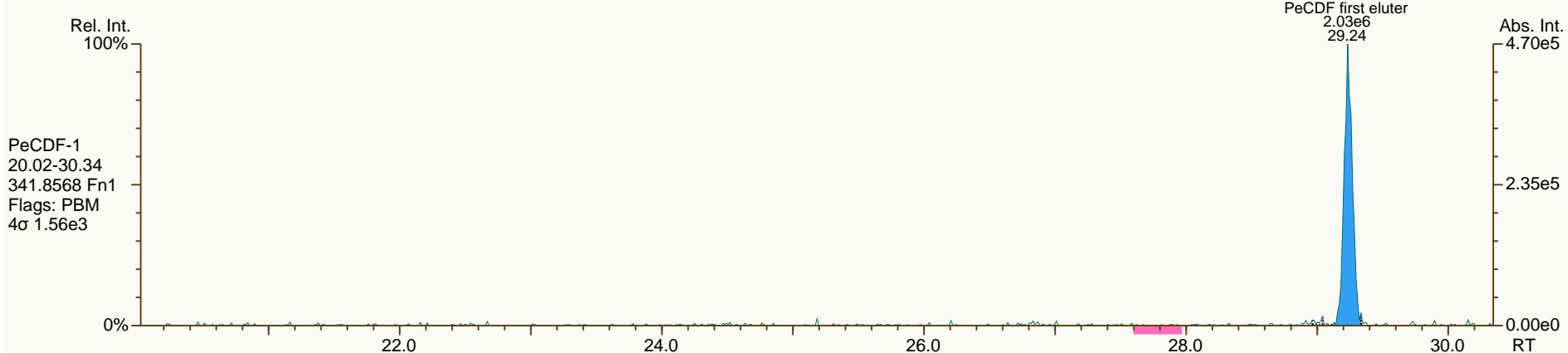
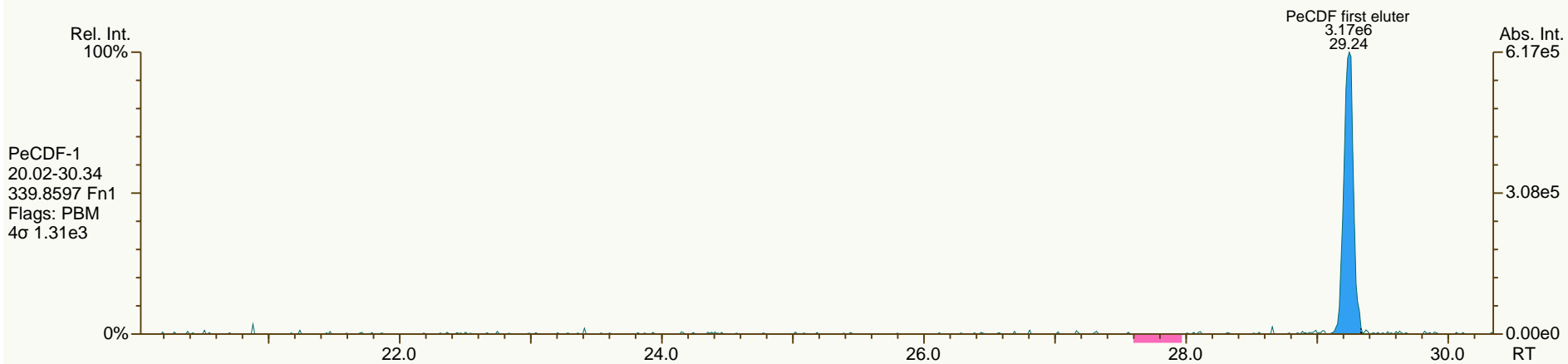
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SGS-AP ID: A5698_11123_DF_011
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
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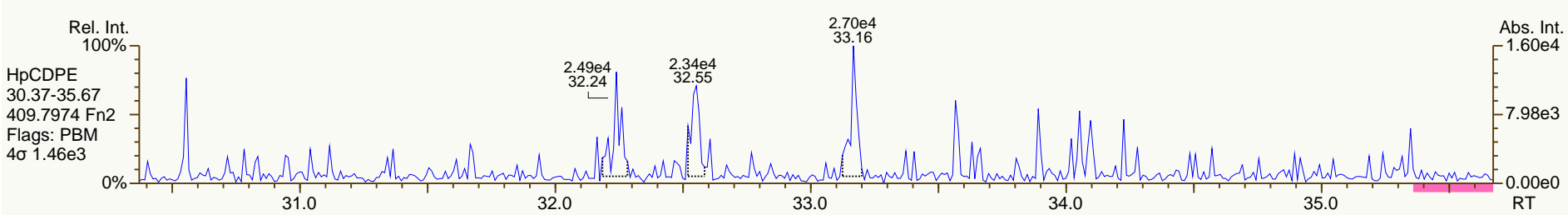
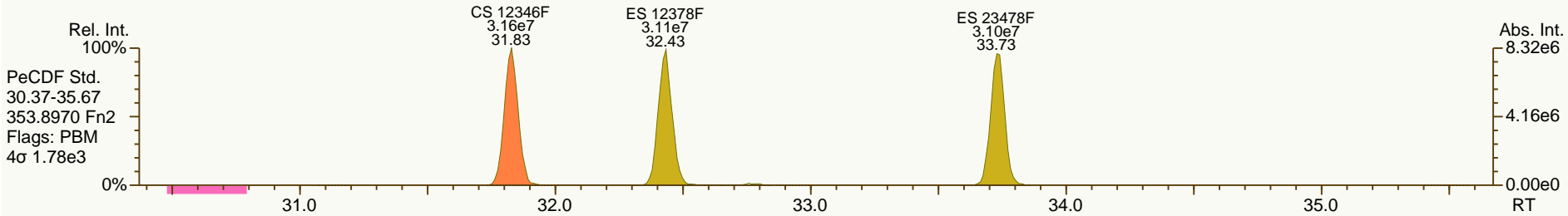
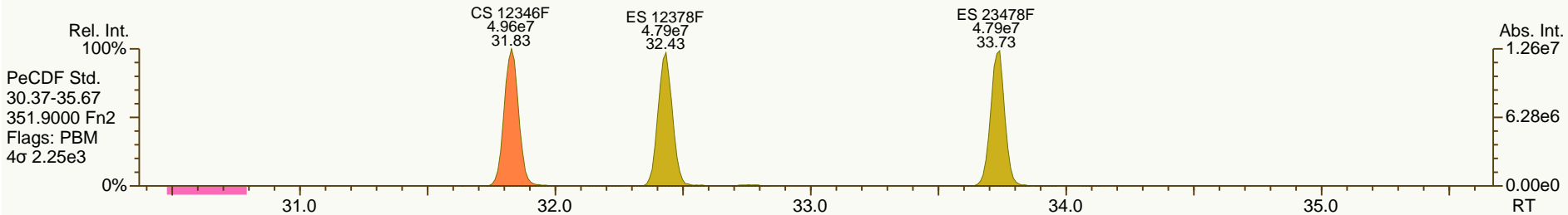
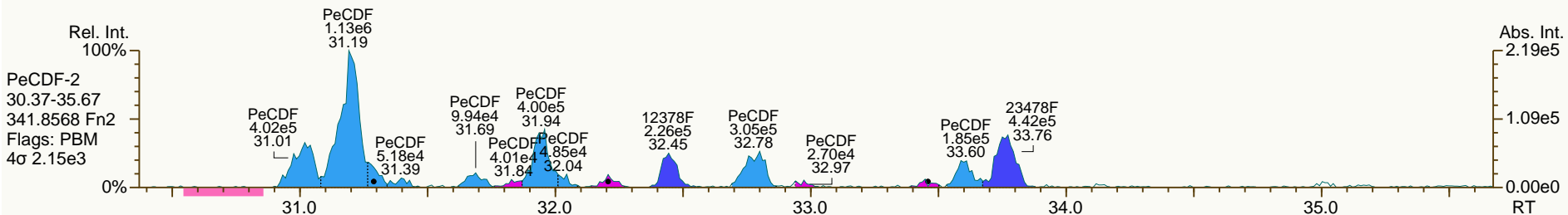
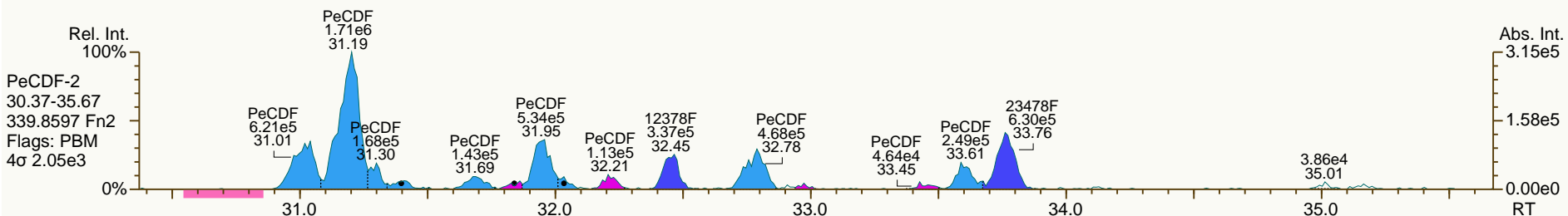
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

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SGS-AP ID: A5698_11123_DF_011
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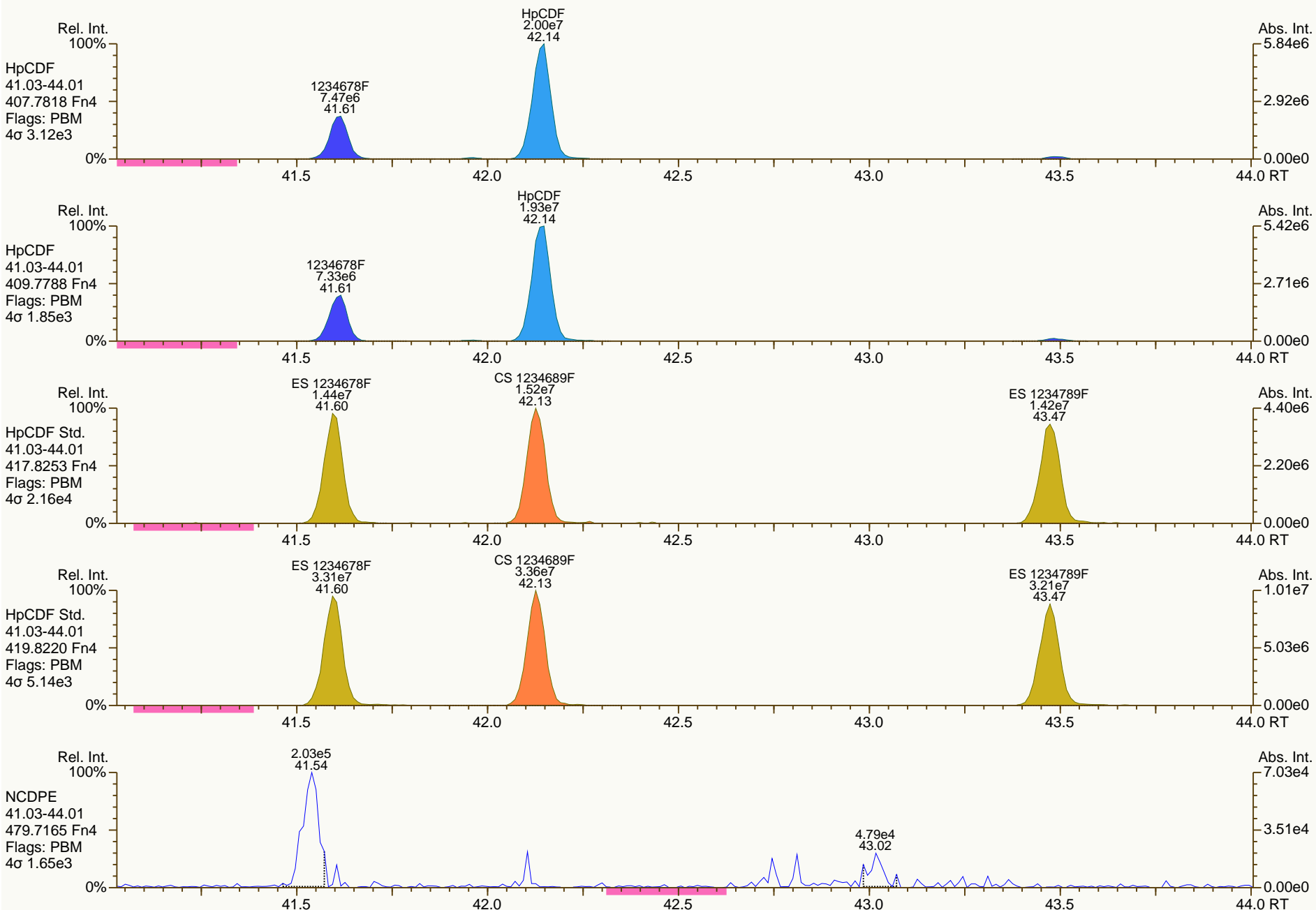
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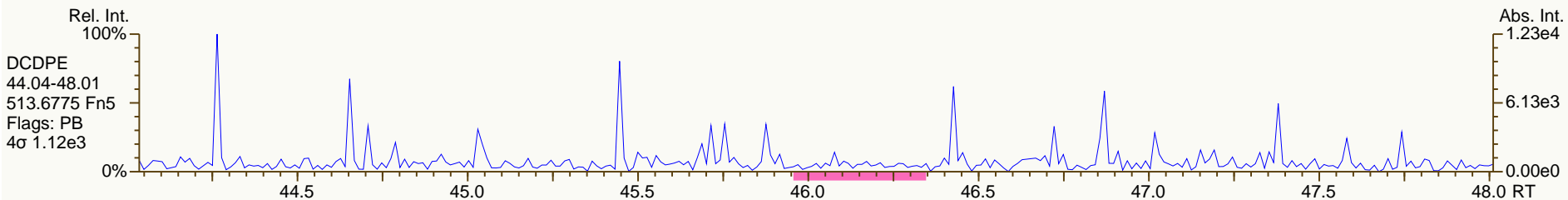
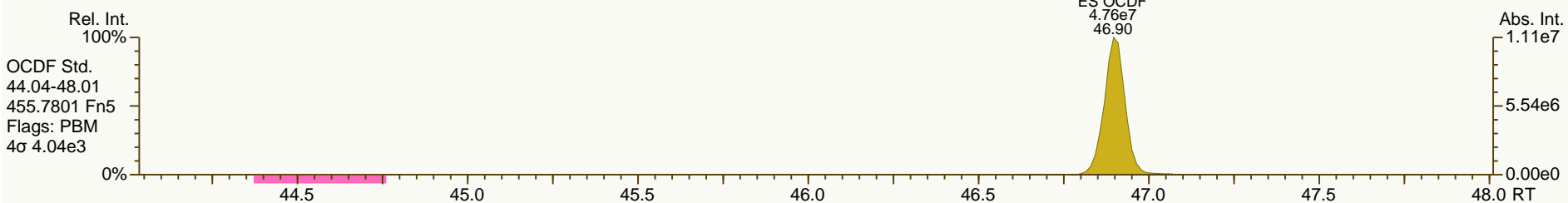
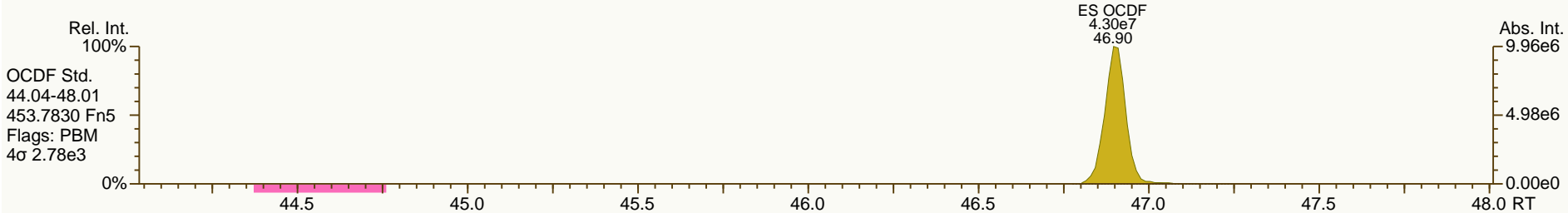
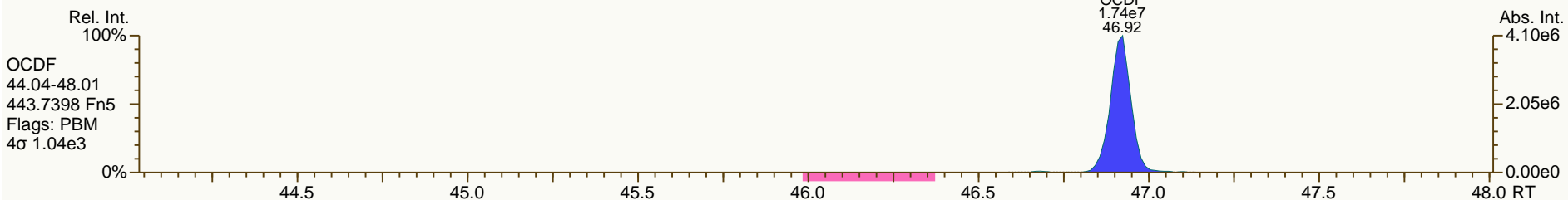
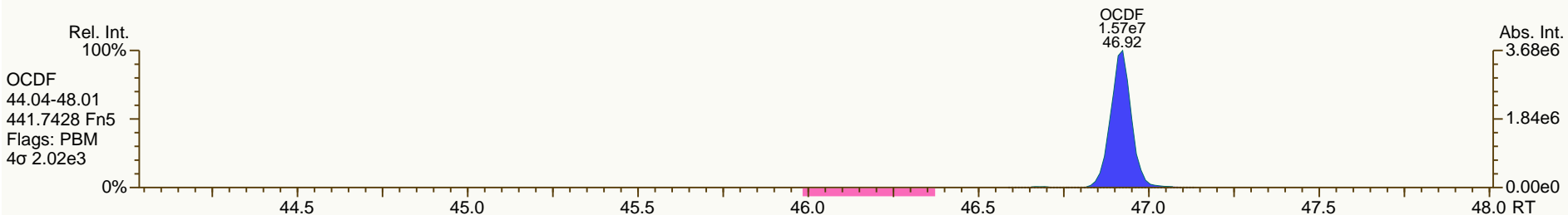
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SGS-AP ID: A5698_11123_DF_011
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA06-SC21-B-130423
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 25

Acq: 19-JUL-2013 00:48:13
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Lab ID: A5698_11123_DF_012

Acq'd: 19 Jul 2013 01:40 MDC

Wt/Vol: 7.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-A-130426

UTP: 20-Jul-2013 10:07 MDC

J-level: 0.687 pg/g

Split: 1

Checkcode: 320-242-FLH

Datafile: 130718P2-05

Report: 20 Jul 2013 10:08 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.96		1.0009	1.0008	-0.2	3.16E+05	0.69	Y	1.06	1.79	3513	0.221
12378-PeCDD	34.16		1.0006	1.0006	0	4.29E+05	1.46	Y	0.94	2.94	3220	0.213
123478-HxCDD	38.76		1.0004	1.0005	+0.2	4.21E+05	1.33	Y	1.02	3.25	4259	0.306
123678-HxCDD	38.90		1.0039	1.0038	-0.2	1.57E+06	1.21	Y	1.04	12.6	4259	0.318
123789-HxCDD	39.23		1.0125	1.0124	-0.2	7.60E+05	1.36	Y	0.98	5.79	4259	0.305
1234678-HpCDD	42.87		1.0004	1.0004	0	2.28E+07	1.04	Y	1.02	172	6634	0.415
OCDD	46.67		1.0003	1.0003	0	1.19E+08	0.89	Y	1.08	1,160	3703	0.388
2378-TCDF	26.99		1.0009	1.0009	0	2.95E+06	0.77	Y	0.97	11.7	2993	0.137
12378-PeCDF	32.45		1.0006	1.0006	0	8.08E+05	1.61	Y	1.00	3.59	5986	0.264
23478-PeCDF	33.76		1.0006	1.0009	+0.6	1.35E+06	1.56	Y	0.96	5.86	5986	0.244
123478-HxCDF	37.60		1.0005	1.0004	-0.2	6.50E+05	1.21	Y	1.23	3.19	5760	0.256
123678-HxCDF	37.77		1.0005	1.0005	0	5.47E+05	1.20	Y	1.14	2.57	5760	0.245
234678-HxCDF	38.54		1.0005	1.0004	-0.2	7.62E+05	1.21	Y	1.14	3.77	5760	0.249
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	5760	0.293
1234678-HpCDF	41.60		1.0004	1.0004	0	1.09E+07	1.02	Y	1.34	58.7	3809	0.165
1234789-HpCDF	43.48		1.0003	1.0003	0	5.16E+05	1.08	Y	1.30	3.05	3809	0.205
OCDF	46.92		1.0004	1.0003	-0.3	1.87E+07	0.88	Y	1.00	148	2718	0.226

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	4.54E+07	0.79	Y	1.01	93
ES 12378-PeCDD	34.14	1.2541	1.2547	+1.0	4.28E+07	1.64	Y	0.90	98.6
ES 123478-HxCDD	38.75	0.9910	0.9910	0	3.47E+07	1.18	Y	0.99	89.5
ES 123678-HxCDD	38.88	0.9944	0.9943	-0.2	3.30E+07	1.13	Y	1.02	82.4
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	3.68E+07	1.16	Y	1.12	84.4
ES 1234678-HpCDD	42.85	1.0959	1.0960	+0.2	3.55E+07	1.05	Y	0.90	101
ES OCDD	46.65	1.1930	1.1931	+0.2	5.18E+07	0.90	Y	0.74	89.4
ES 2378-TCDF	26.96	1.0586	1.0587	+0.2	7.14E+07	0.72	Y	1.05	89.1
ES 12378-PeCDF	32.43	1.2725	1.2734	+1.4	6.21E+07	1.52	Y	0.88	92.9
ES 23478-PeCDF	33.73	1.3237	1.3245	+1.2	6.56E+07	1.51	Y	0.91	94.8
ES 123478-HxCDF	37.58	0.9613	0.9612	-0.2	4.54E+07	0.54	Y	1.25	92.8
ES 123678-HxCDF	37.75	0.9655	0.9655	0	5.15E+07	0.55	Y	1.40	94.2
ES 234678-HxCDF	38.53	0.9853	0.9853	0	4.85E+07	0.53	Y	1.29	95.8
ES 123789-HxCDF	39.63	1.0136	1.0136	0	4.48E+07	0.53	Y	1.17	98.4
ES 1234678-HpCDF	41.59	1.0636	1.0637	+0.2	3.79E+07	0.43	Y	1.03	94.1
ES 1234789-HpCDF	43.47	1.1117	1.1117	0	3.59E+07	0.44	Y	0.89	104
ES OCDF	46.90	1.1993	1.1995	+0.5	6.96E+07	0.90	Y	1.00	88.9

Lab ID: A5698_11123_DF_012

Acq'd: 19 Jul 2013 01:40 MDC

Wt/Vol: 7.28 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-A-130426

UTP: 20-Jul-2013 10:07 MDC

J-level: 0.687 pg/g Split: 1

Checkcode: 320-242-FLH

Datafile: 130718P2-05

Report: 20 Jul 2013 10:08 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

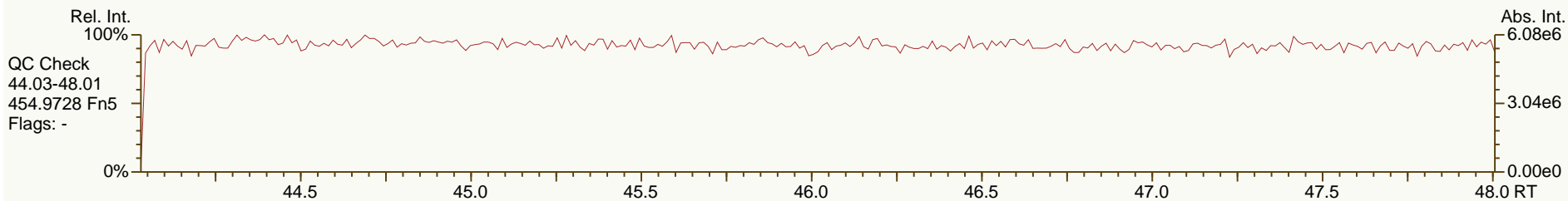
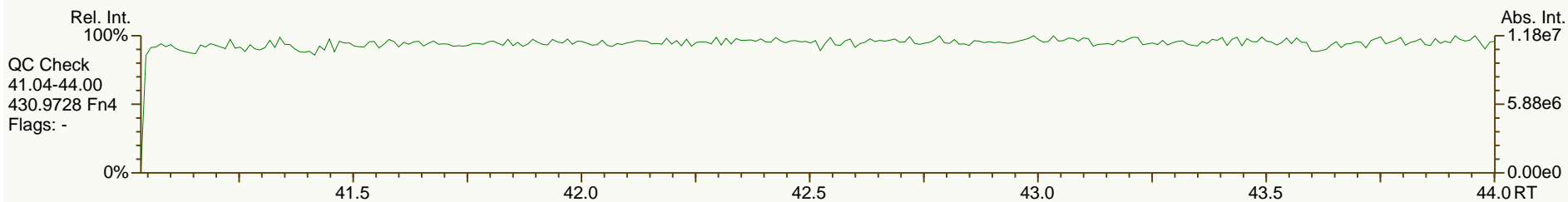
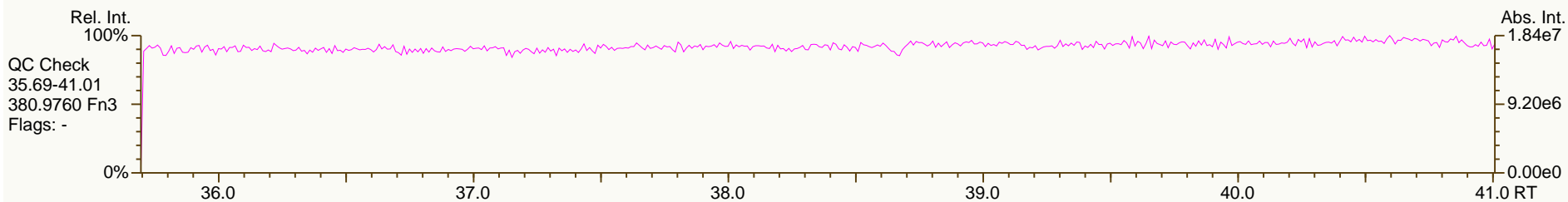
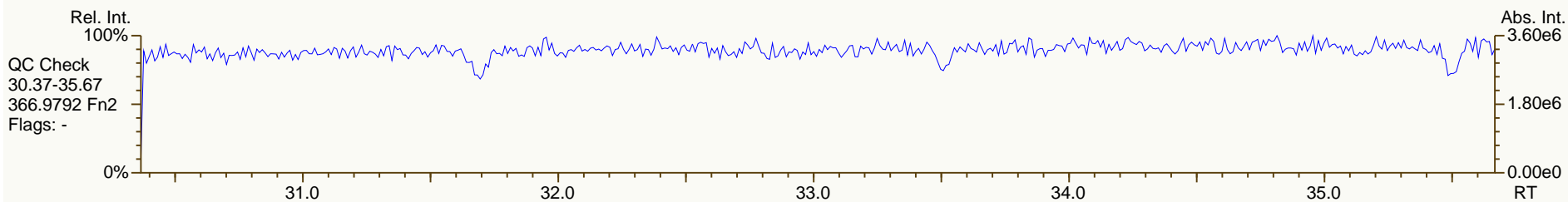
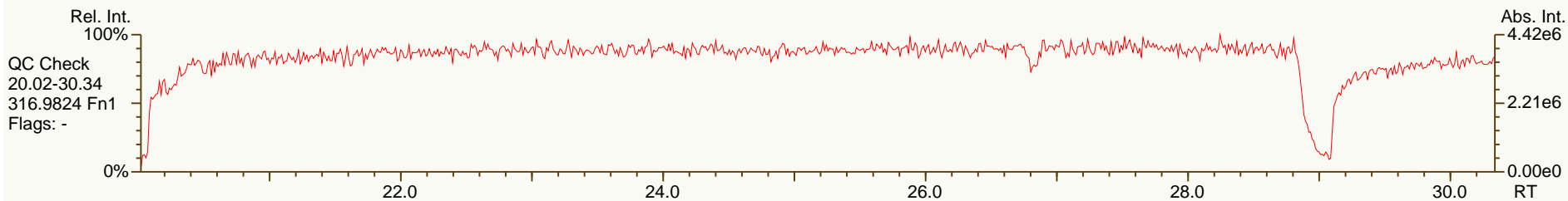
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JS 1234-TCDF	25.47		-	-	-	7.60E+07	0.73	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	1.95E+07	1.16	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.03E+07	n/a	-	1.10	95.5
CS 12347-PeCDD	33.55		1.2327	1.2331	+0.7	4.60E+07	1.65	Y	0.79	120
CS 12346-PeCDF	31.83		1.2486	1.2498	+1.8	6.70E+07	1.50	Y	0.87	102
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	4.88E+07	0.52	Y	1.21	103
CS 1234689-HpCDF	42.12		1.0773	1.0773	0	3.68E+07	0.45	Y	0.89	105
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.03E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.55		1.2327	1.2331	+0.7	4.60E+07	1.65	Y	0.89	121
SS 12346-PeCDF	31.83		1.2486	1.2498	+1.8	6.70E+07	1.50	Y	0.99	109
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	4.88E+07	0.52	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0773	0	3.68E+07	0.45	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	4.83E+07	0.80	Y	1.00	100
AS 1368-TCDF	21.77		0.8532	0.8547	+2.3	8.26E+07	0.74	Y	1.20	90.6
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	121	122	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	99.1	99.1	Original Values	Corrected Values
Total HxCDD	142	142	Ratio 0.65	0.69
Total HpCDD	341	341	Response 3.28E+05	3.16E+05
Total Tetra-Octa Dioxins	1870	1870		
Total TCDF	147	149		
Total PeCDF	70	72.8		
Total HxCDF	72.5	72.5		
Total HpCDF	165	165		
Total Tetra-Octa Furans	603	608		
Total Tetra-Octa Dioxins & Furans	2470	2480		

SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

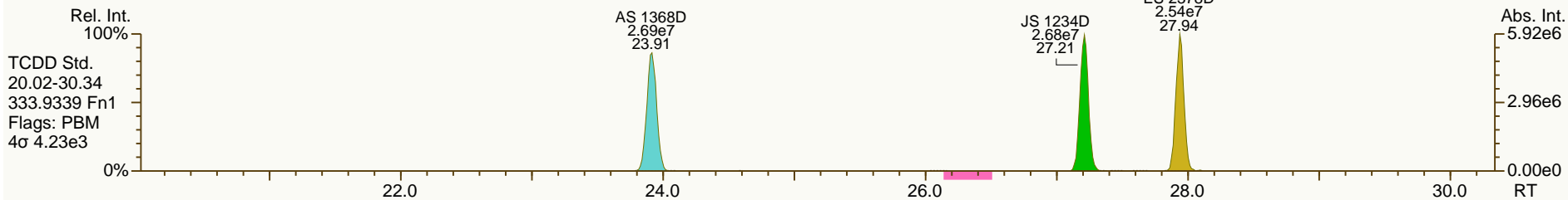
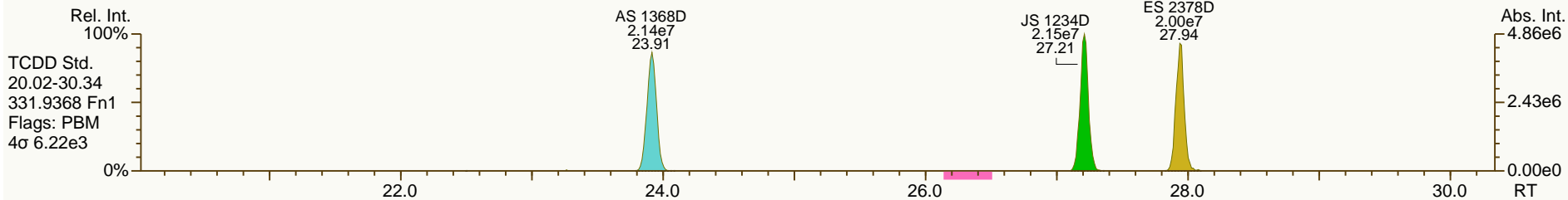
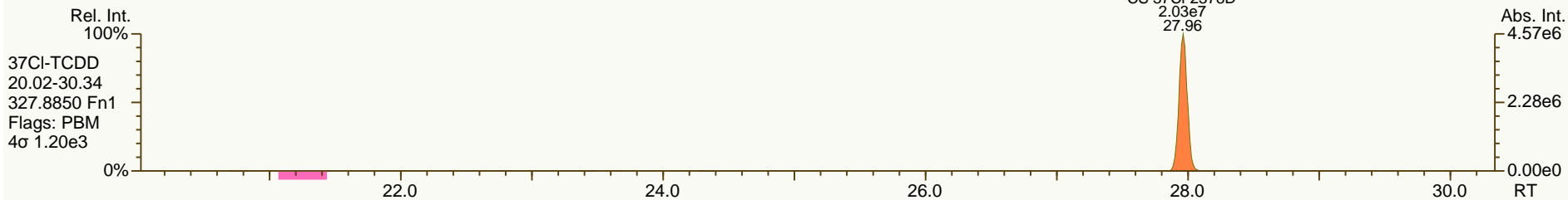
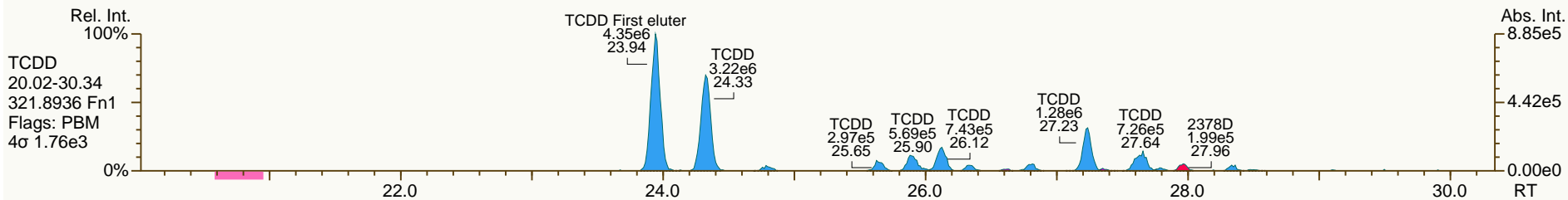
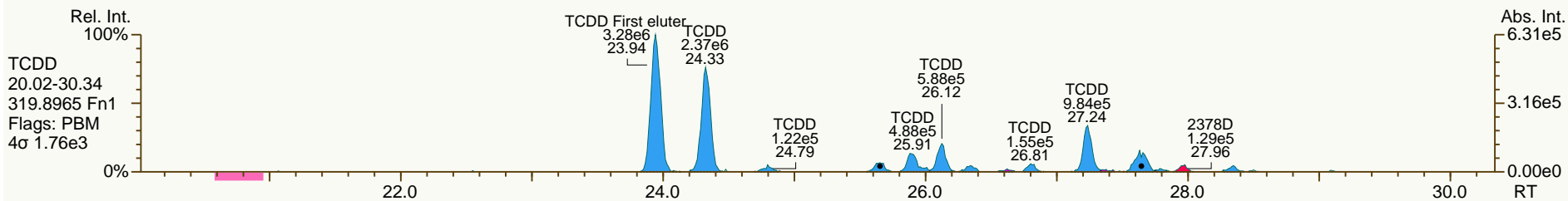
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

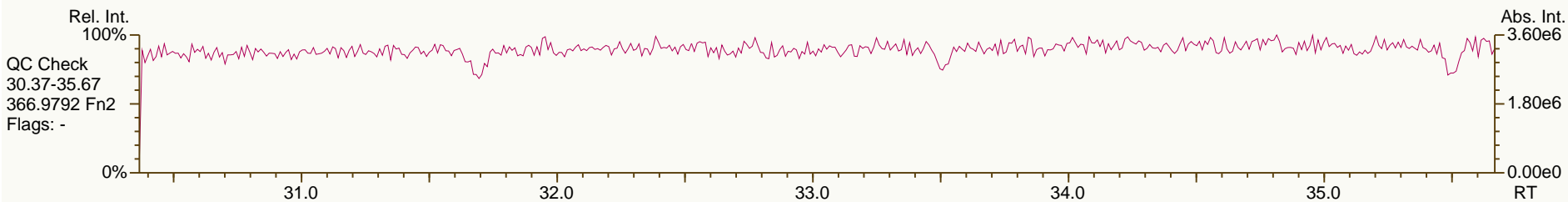
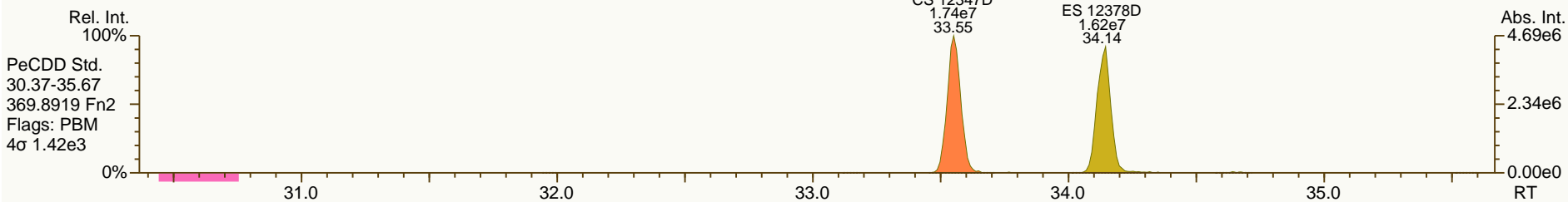
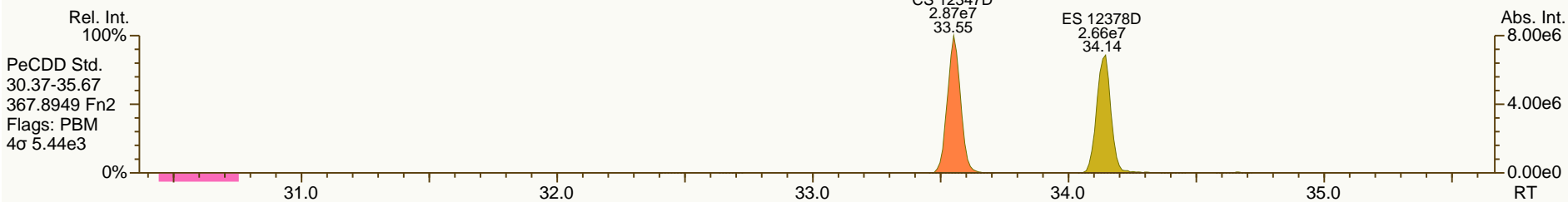
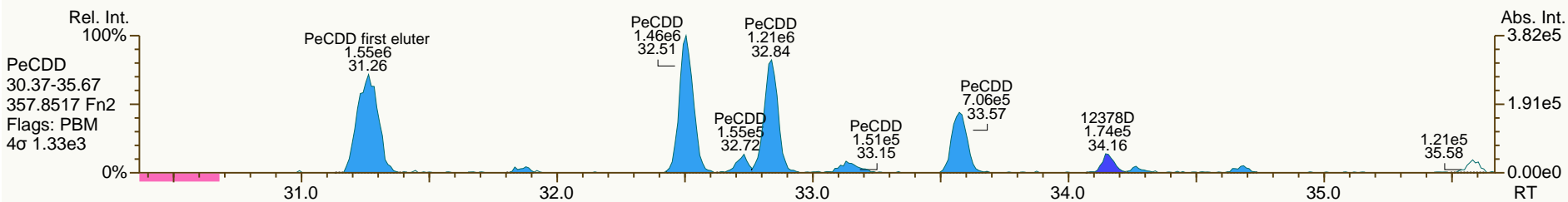
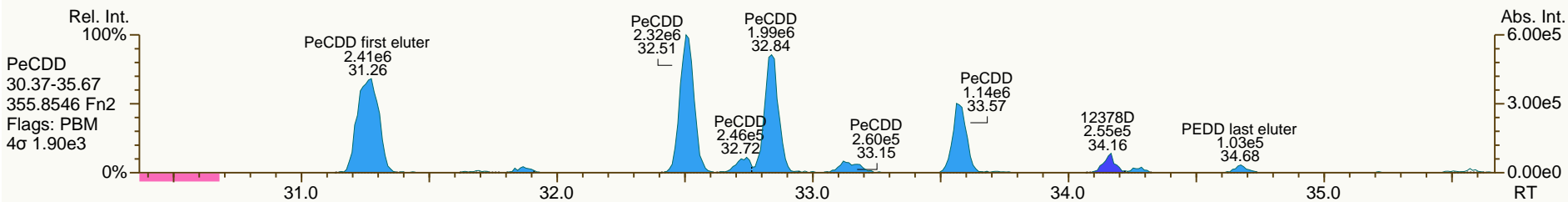
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

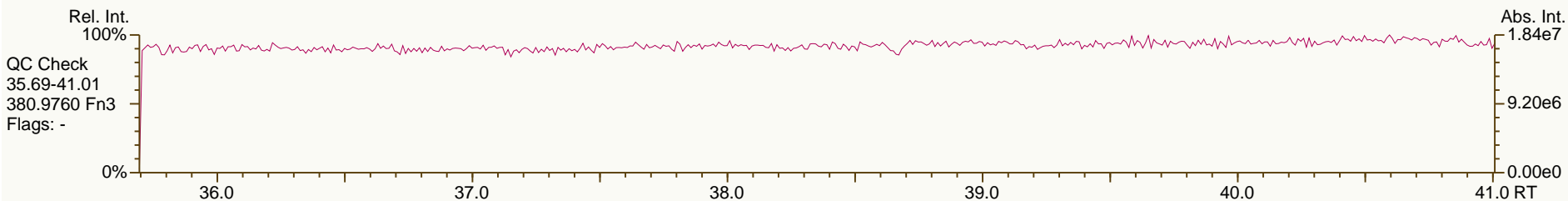
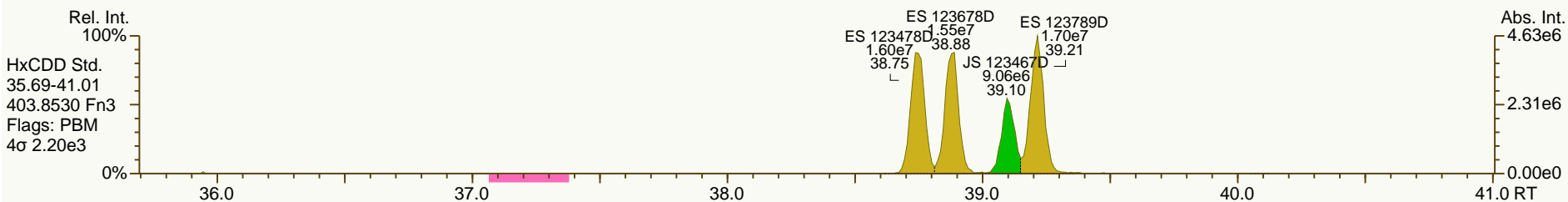
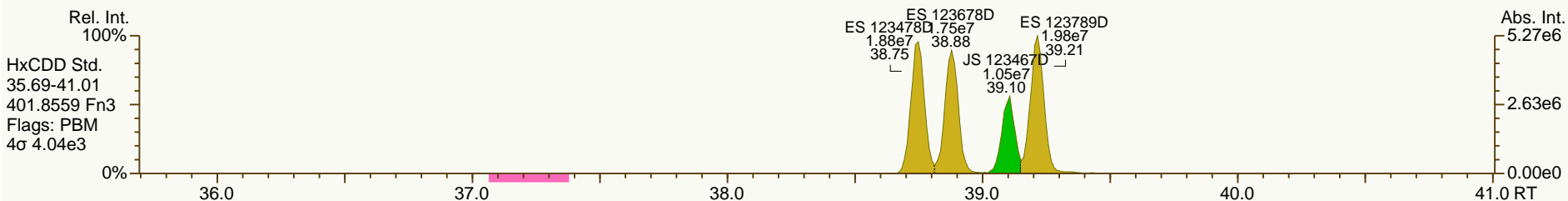
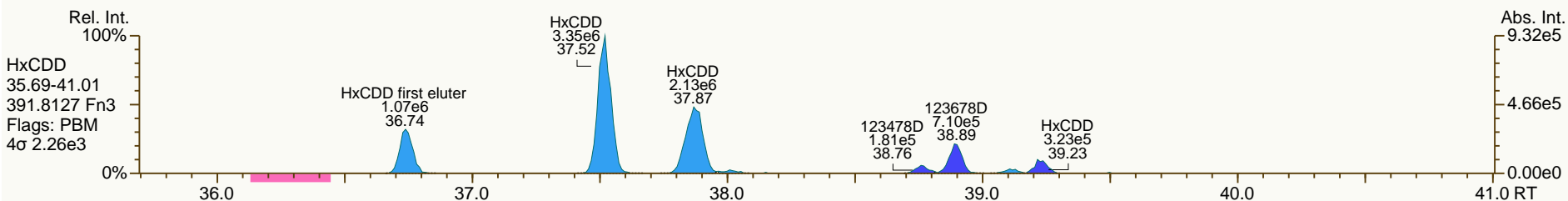
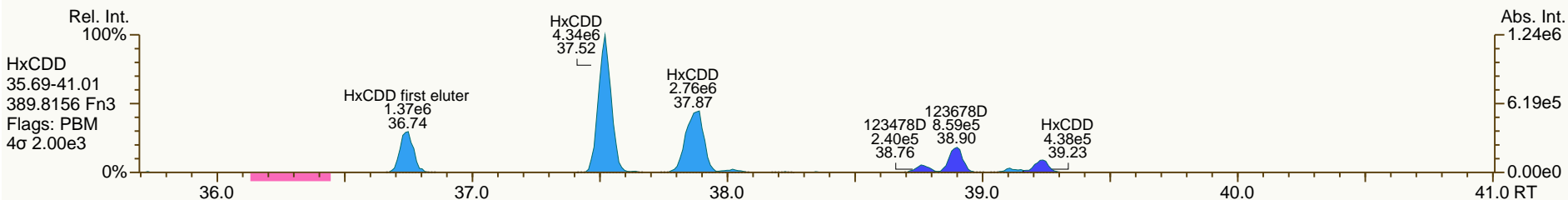
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

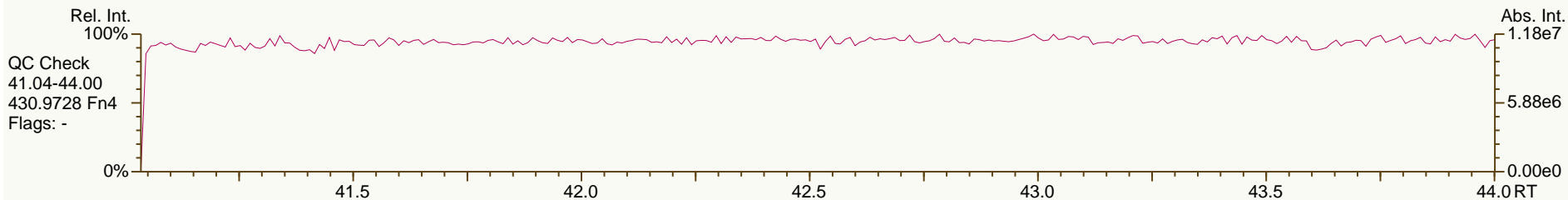
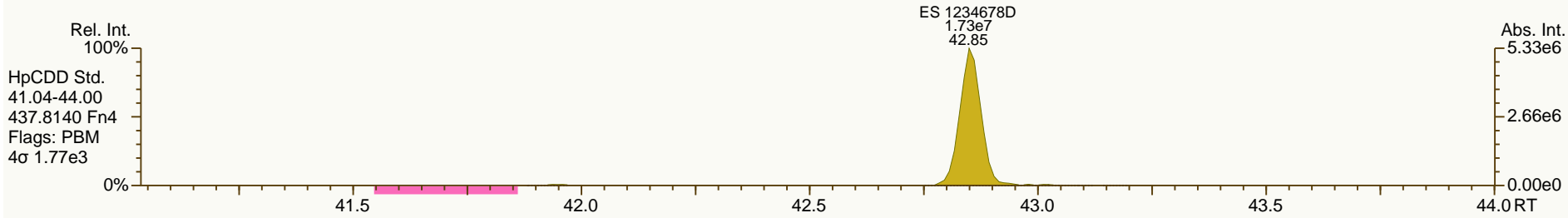
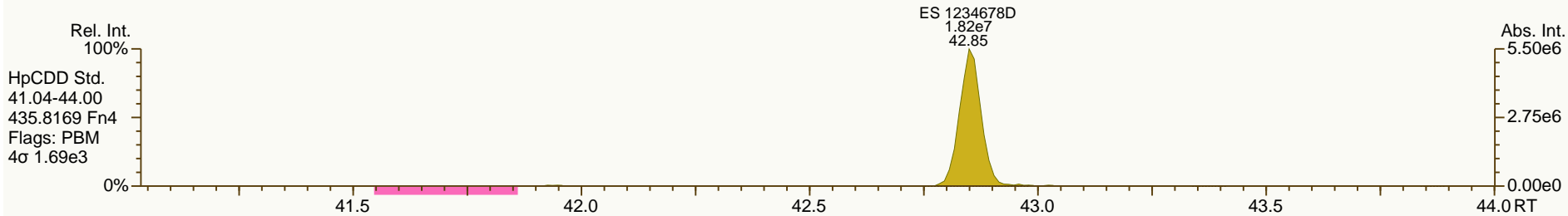
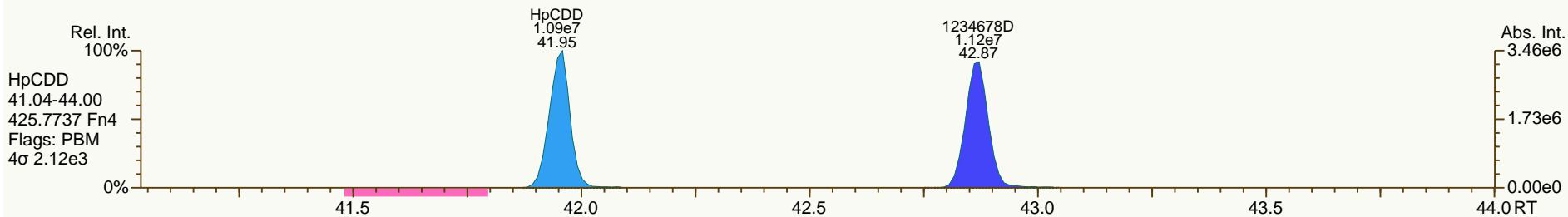
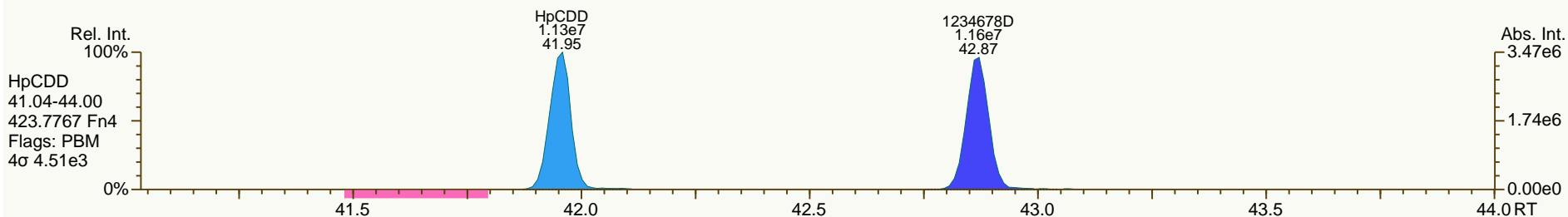
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

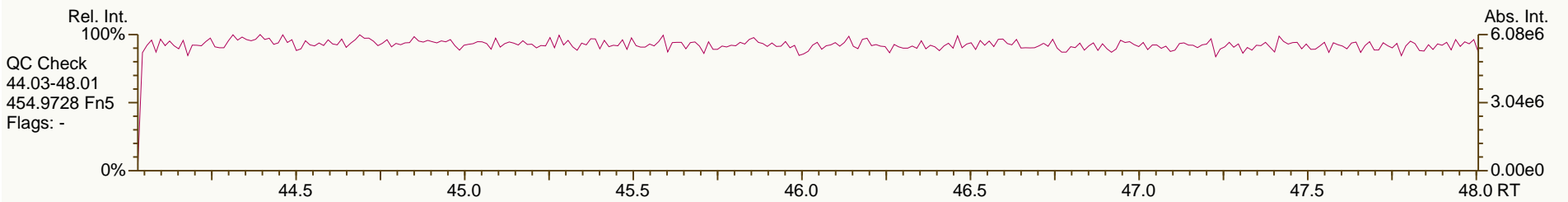
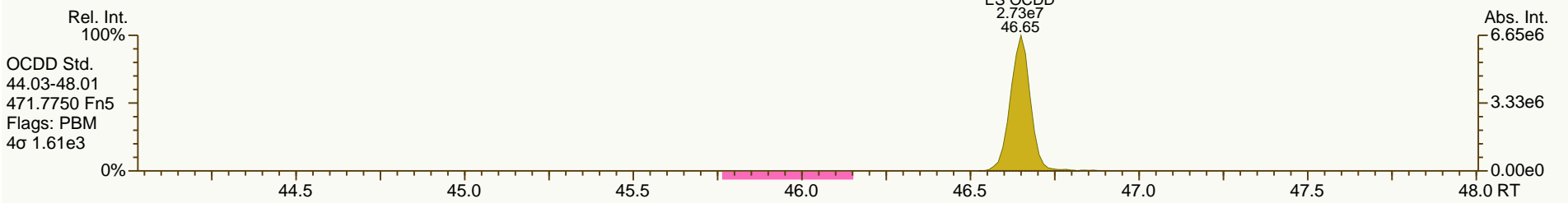
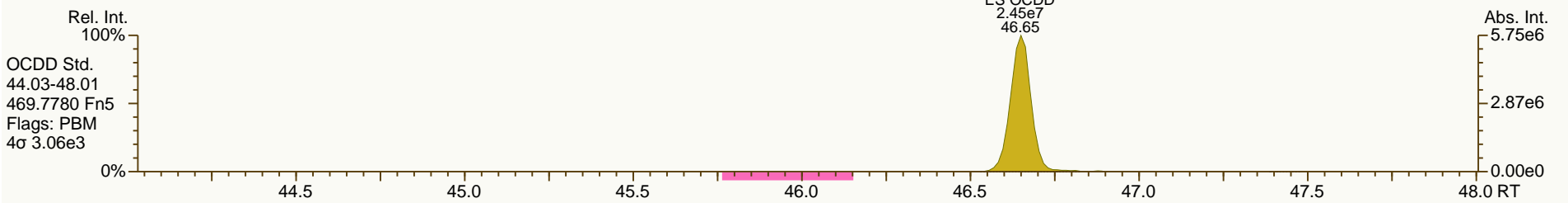
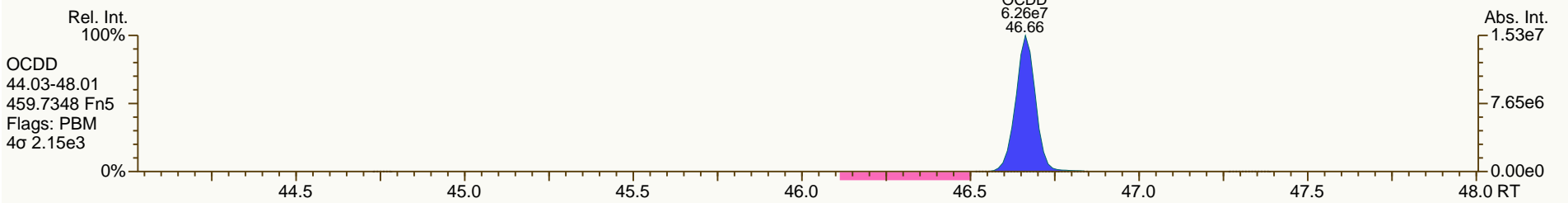
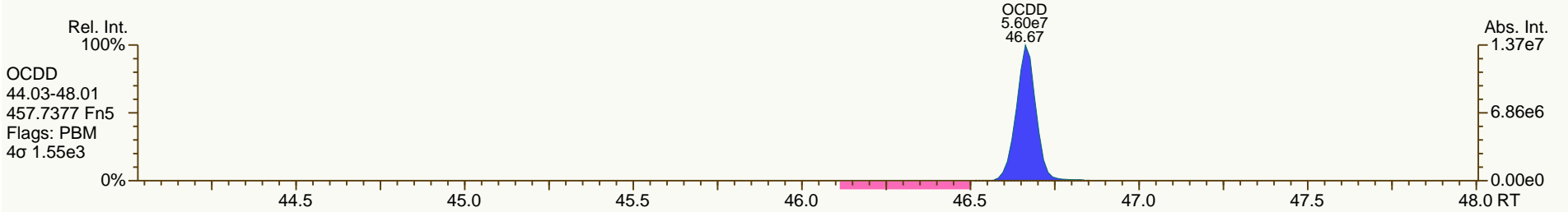
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

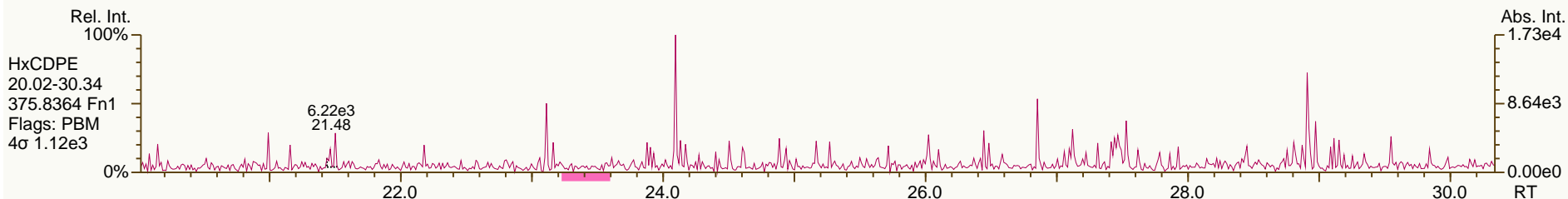
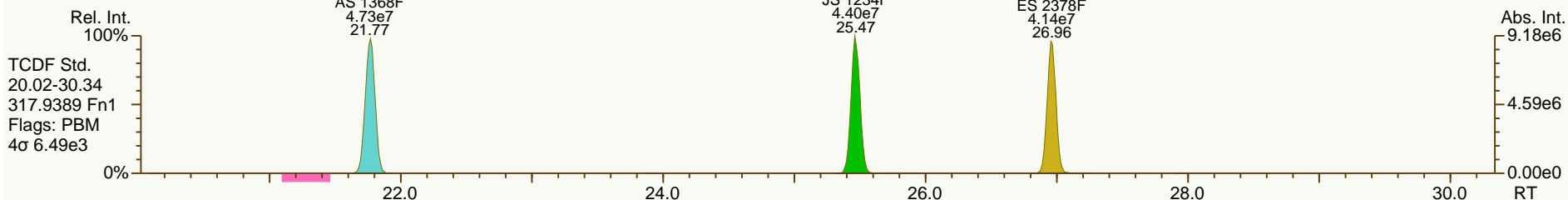
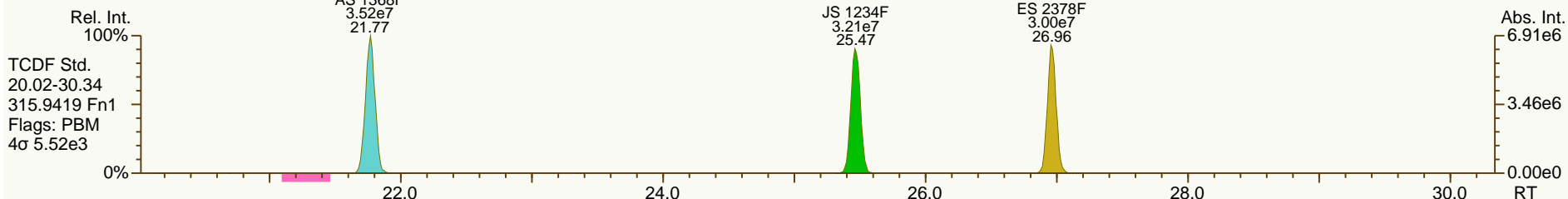
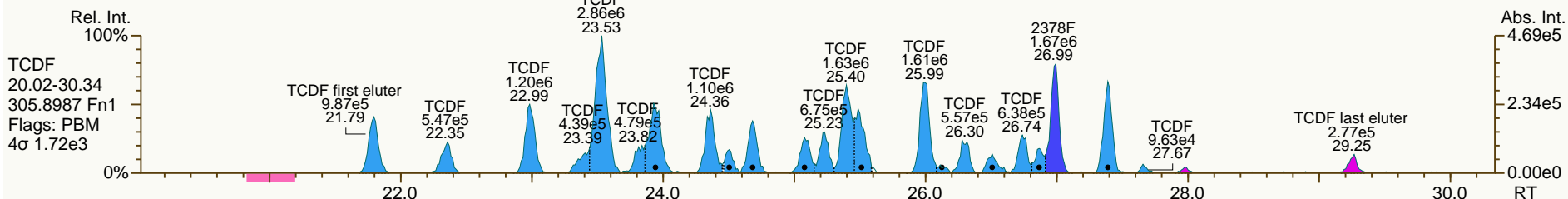
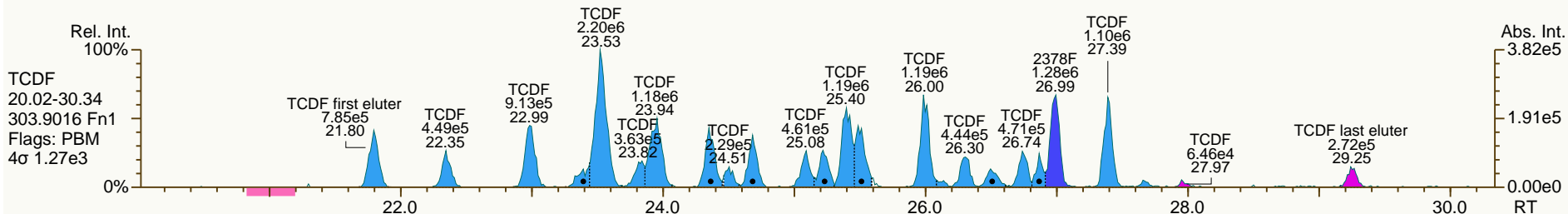
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
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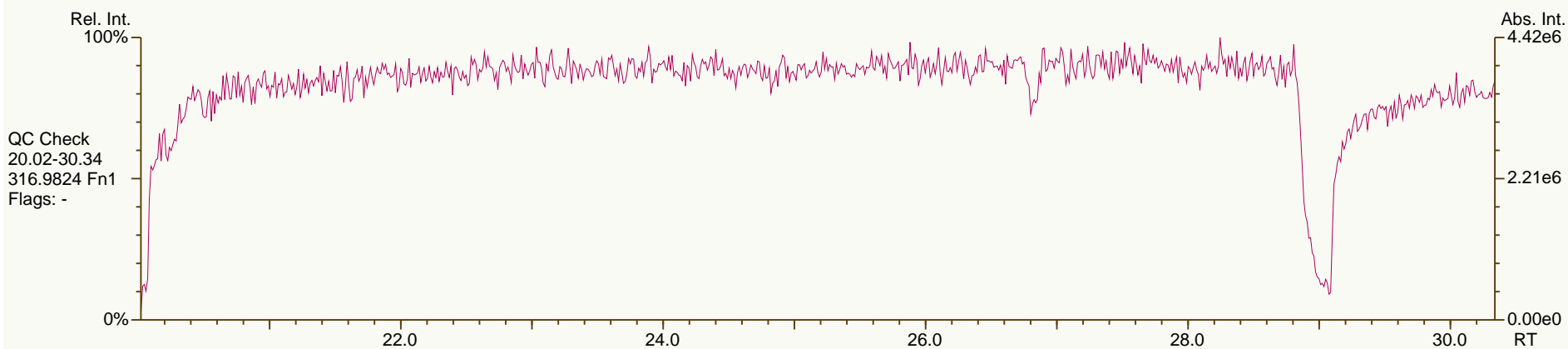
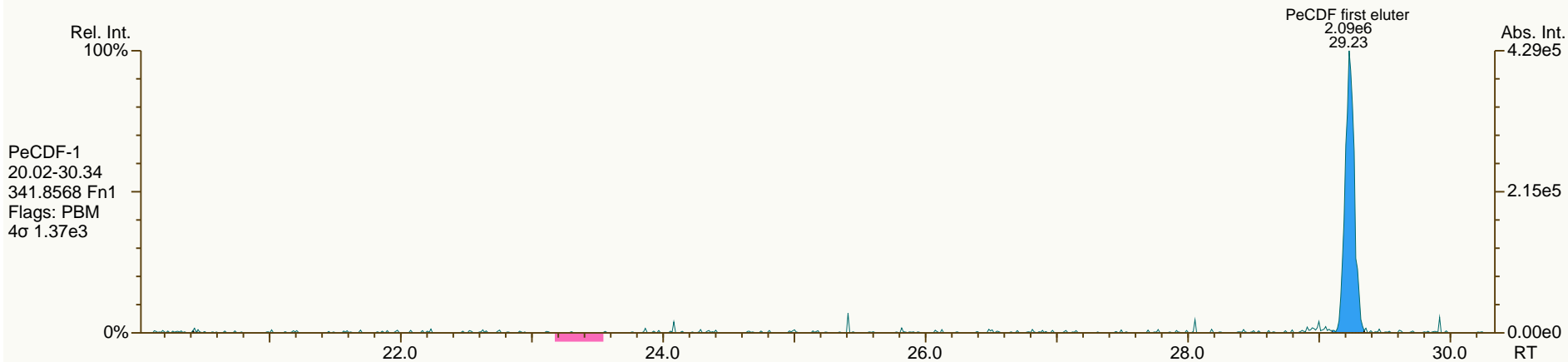
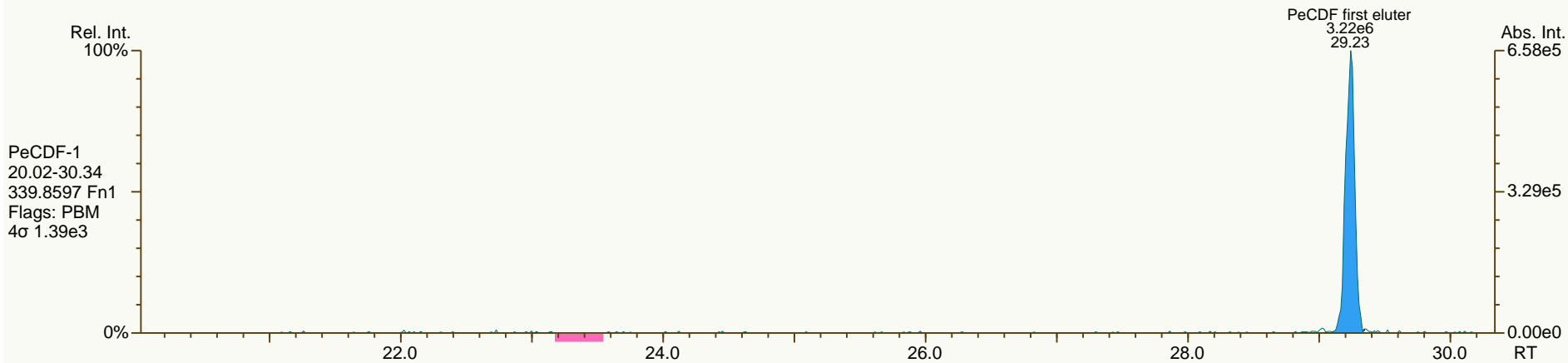
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SGS-AP ID: A5698_11123_DF_012
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Sample ID: JW-EA07-SC28-A-130426
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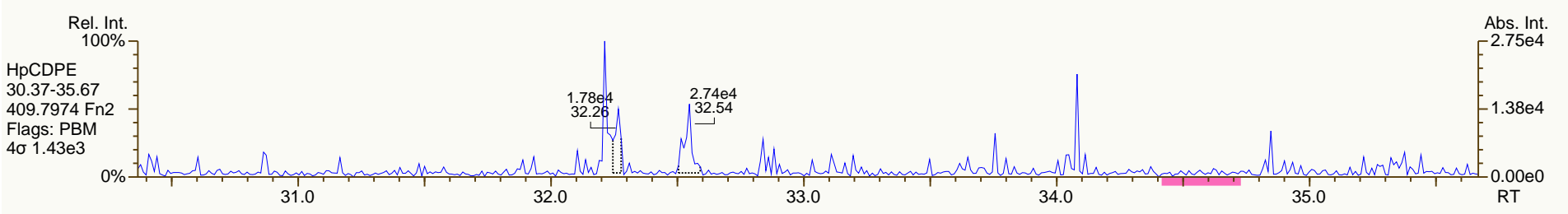
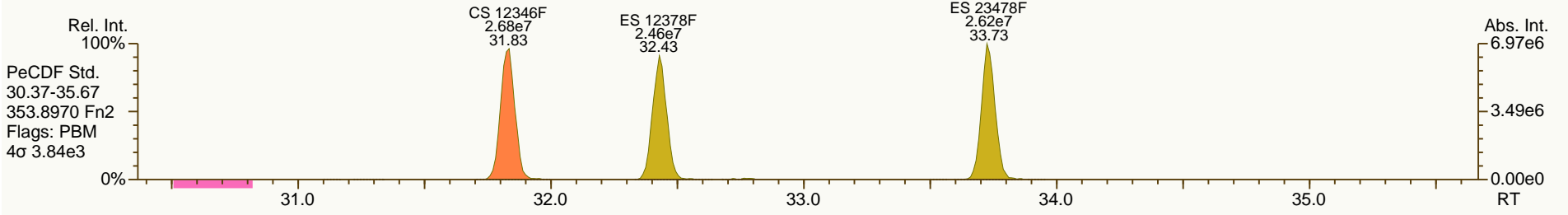
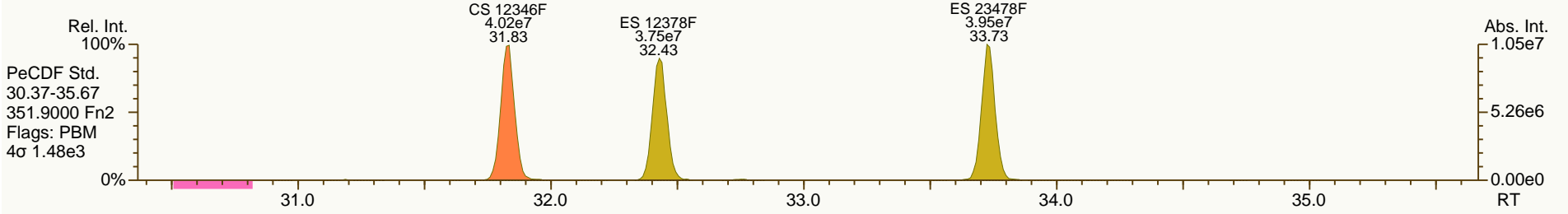
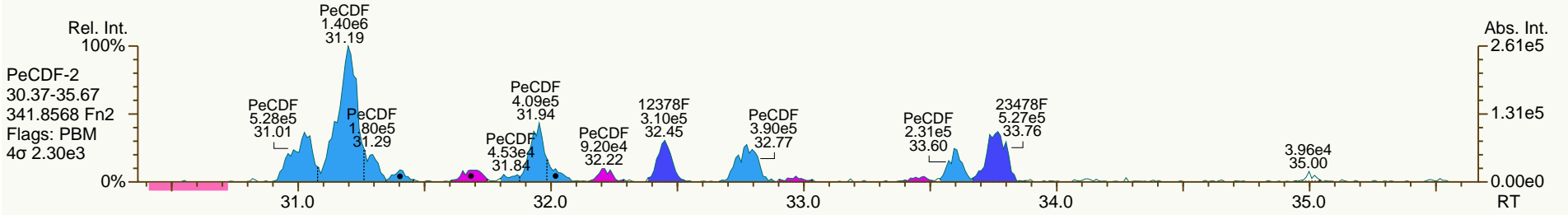
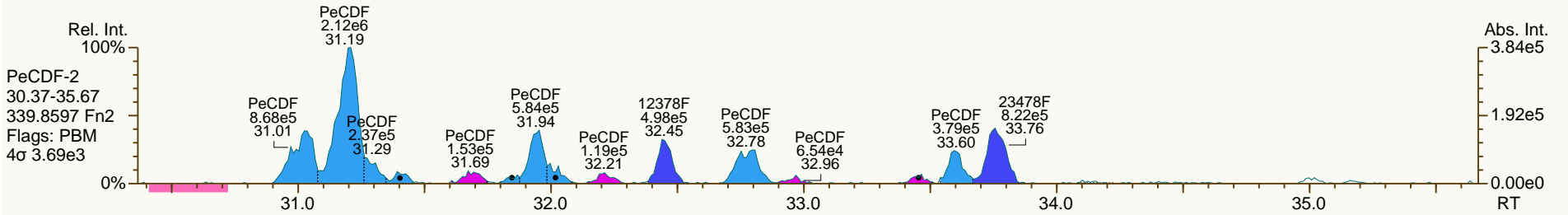
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SGS-AP ID: A5698_11123_DF_012
Instr: AutoSpec-Ultima MM1

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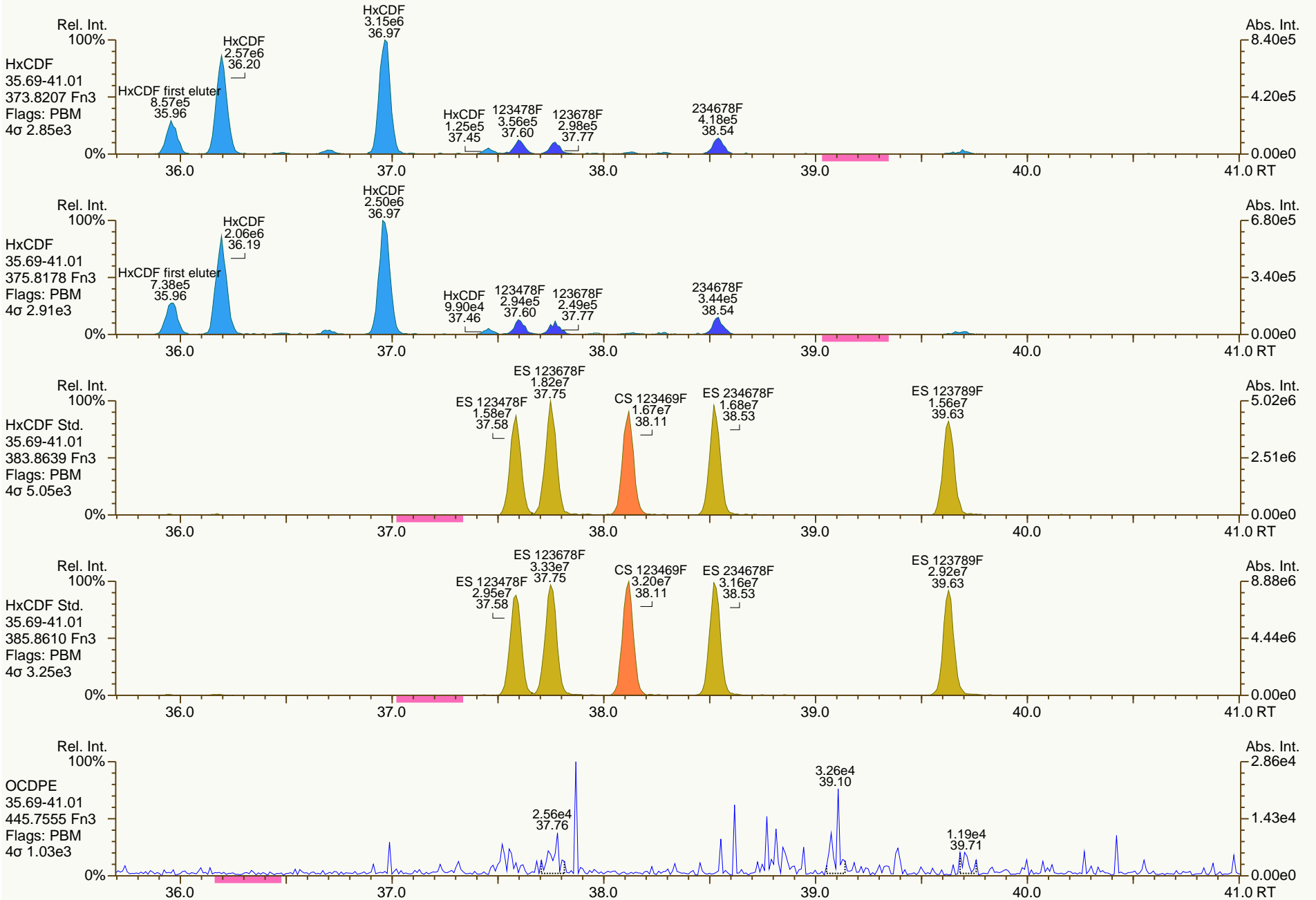
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SGS-AP ID: A5698_11123_DF_012
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Sample ID: JW-EA07-SC28-A-130426
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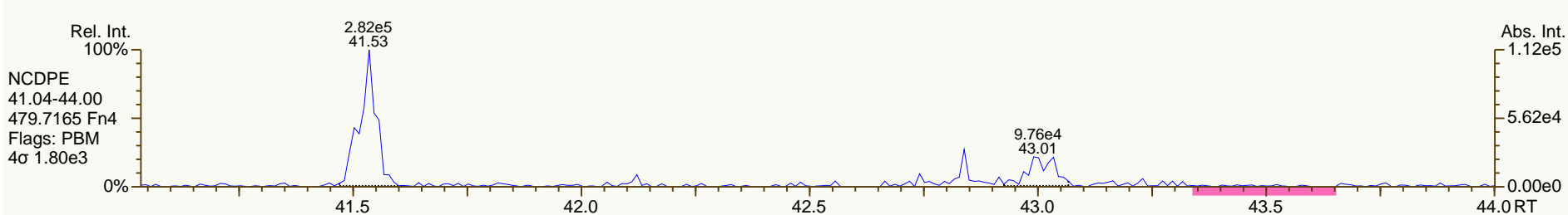
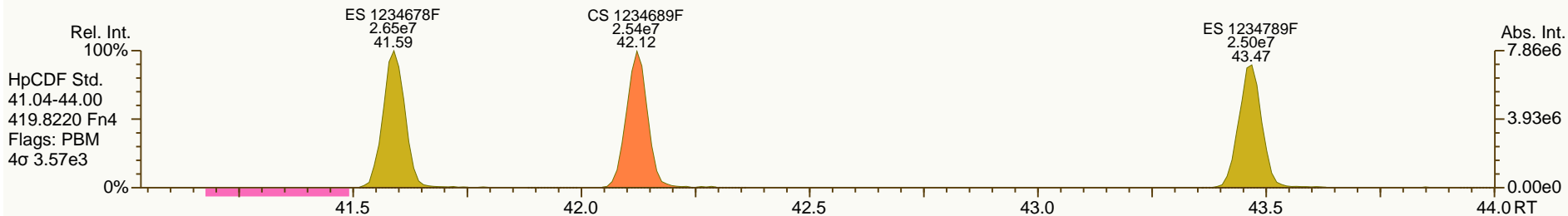
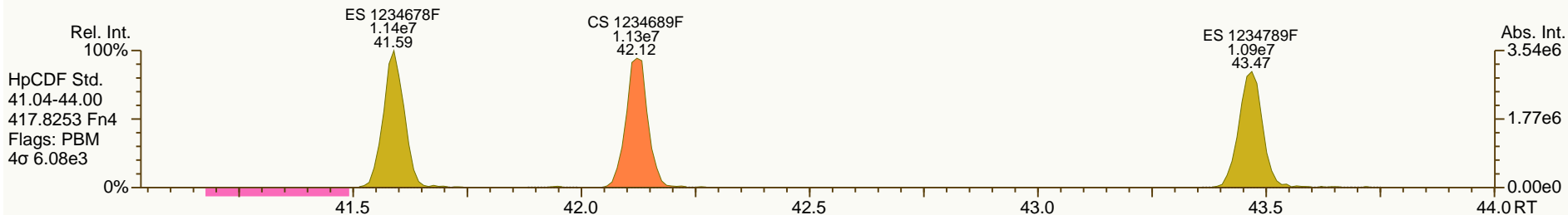
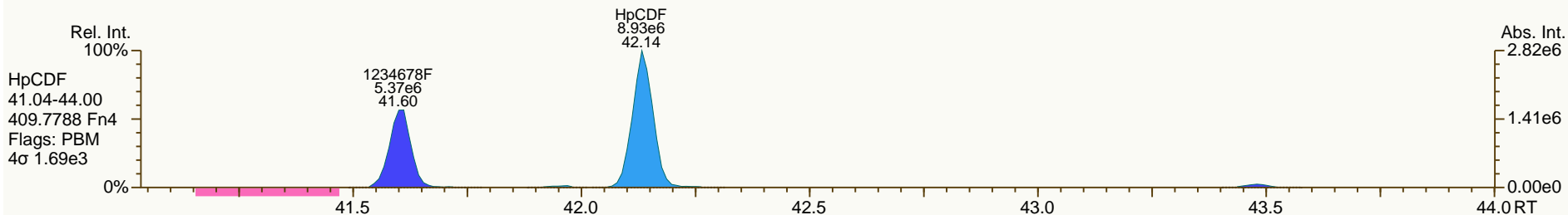
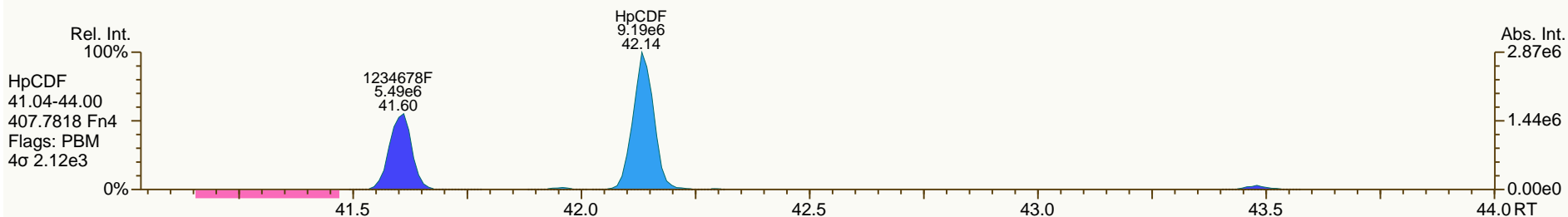
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

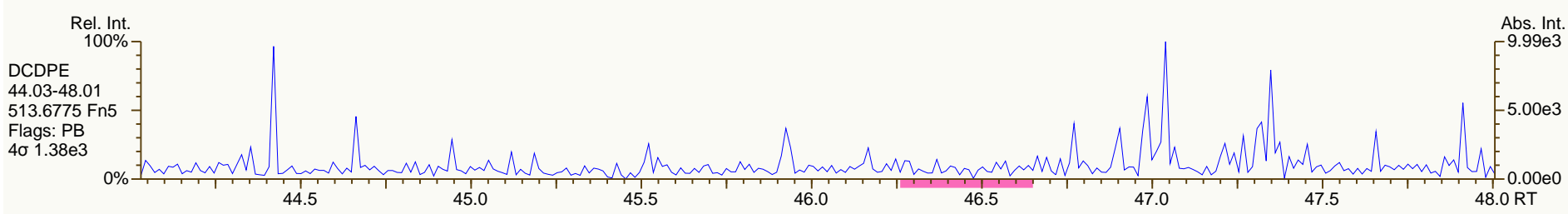
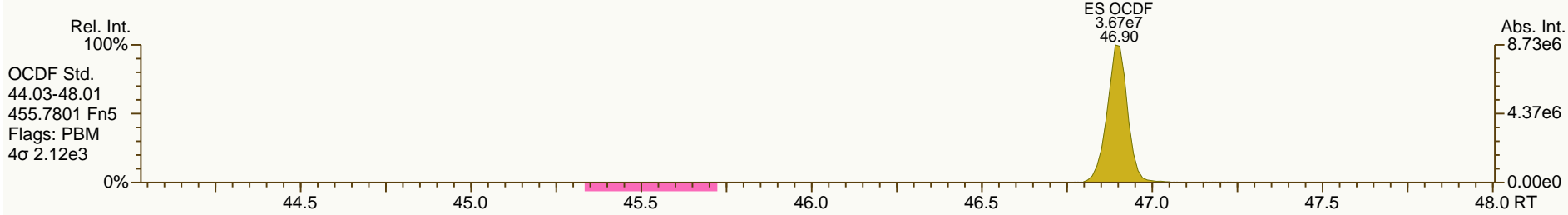
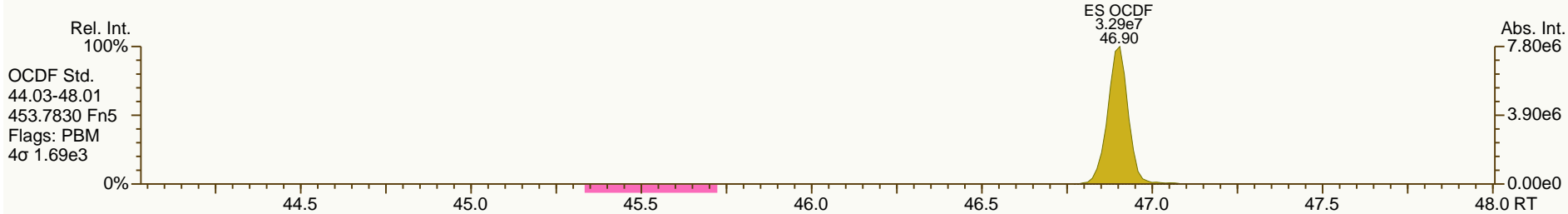
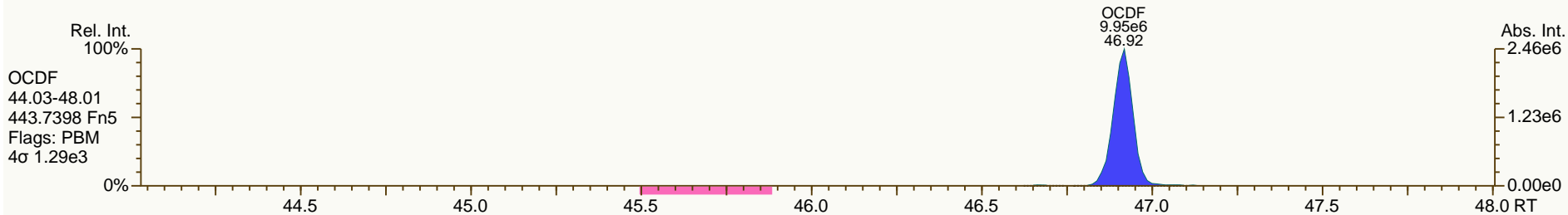
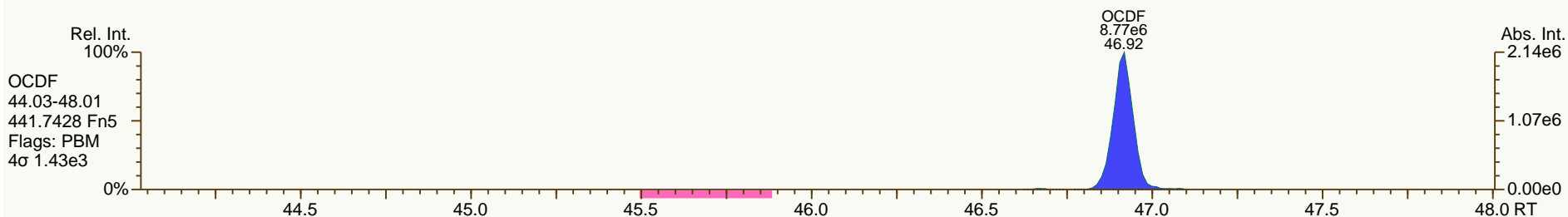
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SGS-AP ID: A5698_11123_DF_012
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 26

Acq: 19-JUL-2013 01:40:41
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Lab ID: A5698_11123_DF_013

Acq'd: 19 Jul 2013 02:33 MDC

Wt/Vol: 9.09 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-B-130426

UTP: 20-Jul-2013 10:10 MDC

J-level: 0.55 pg/g Split: 1

Checkcode: 438-751-FLV

Datafile: 130718P2-06

Report: 20 Jul 2013 10:10 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	2560	0.105
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	3432	0.157
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3494	0.164
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3494	0.176
123789-HxCDD	NotFnd		1.0125	-		-	-	-	0.98	-	3494	0.16
1234678-HpCDD	42.87		1.0004	1.0004	0	2.29E+05	1.19	Y	1.02	1.13	3556	0.154
OCDD	46.67		1.0003	1.0005	+0.6	2.22E+06	0.91	Y	1.08	14.9	3802	0.293
2378-TCDF	26.98		1.0009	1.0008	-0.2	3.70E+05	0.70	Y	0.97	0.939	2745	0.0818
12378-PeCDF	32.43		1.0006	1.0004	-0.4	9.57E+04	1.48	Y	1.00	0.284	3668	0.106
23478-PeCDF	33.75		1.0006	1.0007	+0.2	7.21E+04	1.37	Y	0.96	0.211	3668	0.104
123478-HxCDF	37.59		1.0005	1.0003	-0.5	2.90E+04	1.23	Y	1.23	0.0959	2958	0.0912
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	2958	0.0884
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	2958	0.0955
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	2958	0.0994
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	4157	0.134
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	4157	0.153
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	2466	0.135

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.94	1.0268	1.0268	0	5.59E+07	0.81	Y	1.01	93.5
ES 12378-PeCDD	34.13	1.2541	1.2545	+0.7	5.01E+07	1.50	Y	0.90	94.4
ES 123478-HxCDD	38.74	0.9910	0.9910	0	4.23E+07	1.16	Y	0.99	89.8
ES 123678-HxCDD	38.87	0.9944	0.9943	-0.2	3.93E+07	1.16	Y	1.02	81.1
ES 123789-HxCDD	39.21	1.0030	1.0029	-0.2	4.60E+07	1.18	Y	1.12	87
ES 1234678-HpCDD	42.85	1.0959	1.0961	+0.5	4.36E+07	1.08	Y	0.90	102
ES OCDD	46.65	1.1930	1.1932	+0.5	6.09E+07	0.91	Y	0.74	86.6
ES 2378-TCDF	26.96	1.0586	1.0587	+0.2	8.89E+07	0.75	Y	1.05	91.7
ES 12378-PeCDF	32.42	1.2725	1.2729	+0.6	7.45E+07	1.52	Y	0.88	92.2
ES 23478-PeCDF	33.72	1.3237	1.3242	+0.8	7.80E+07	1.56	Y	0.91	93.2
ES 123478-HxCDF	37.58	0.9613	0.9612	-0.2	5.39E+07	0.54	Y	1.25	91
ES 123678-HxCDF	37.74	0.9655	0.9655	0	6.09E+07	0.55	Y	1.40	91.7
ES 234678-HxCDF	38.52	0.9853	0.9853	0	5.74E+07	0.54	Y	1.29	93.5
ES 123789-HxCDF	39.62	1.0136	1.0136	0	5.53E+07	0.54	Y	1.17	100
ES 1234678-HpCDF	41.59	1.0636	1.0638	+0.5	4.51E+07	0.43	Y	1.03	92.5
ES 1234789-HpCDF	43.46	1.1117	1.1118	+0.2	4.33E+07	0.43	Y	0.89	103
ES OCDF	46.90	1.1993	1.1997	+0.9	8.37E+07	0.92	Y	1.00	88.2

Lab ID: A5698_11123_DF_013

Acq'd: 19 Jul 2013 02:33 MDC

Wt/Vol: 9.09 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-B-130426

UTP: 20-Jul-2013 10:10 MDC

J-level: 0.55 pg/g Split: 1

Checkcode: 438-751-FLV

Datafile: 130718P2-06

Report: 20 Jul 2013 10:10 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

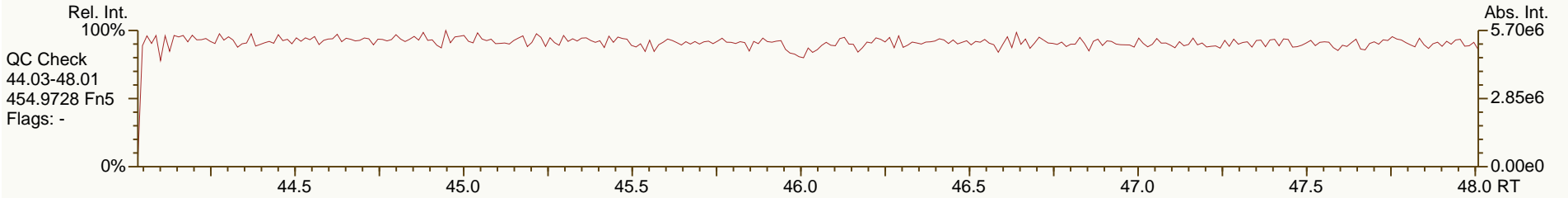
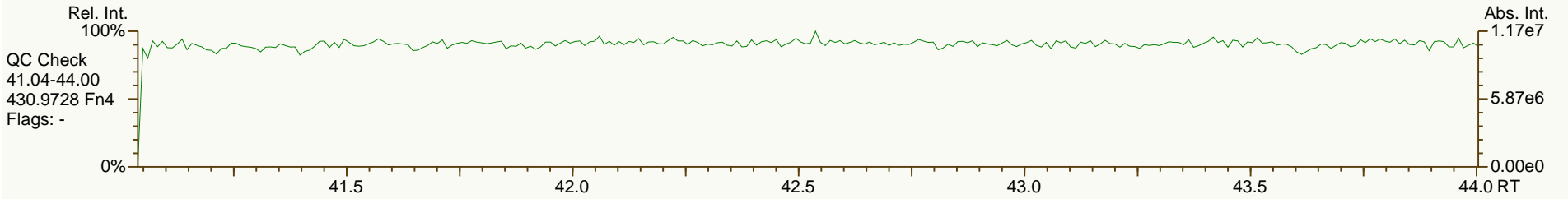
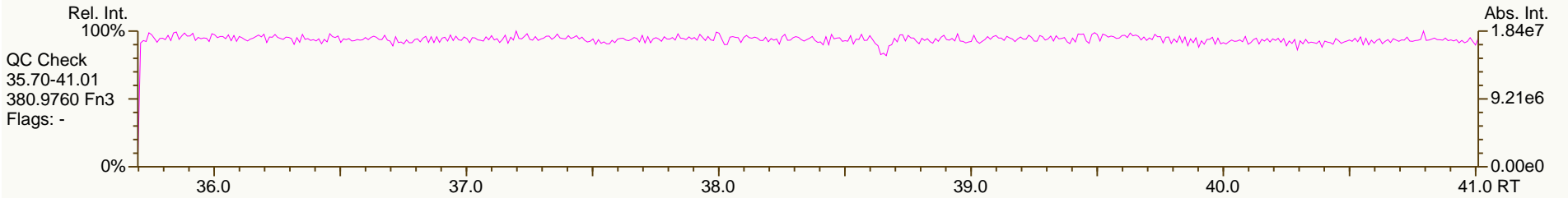
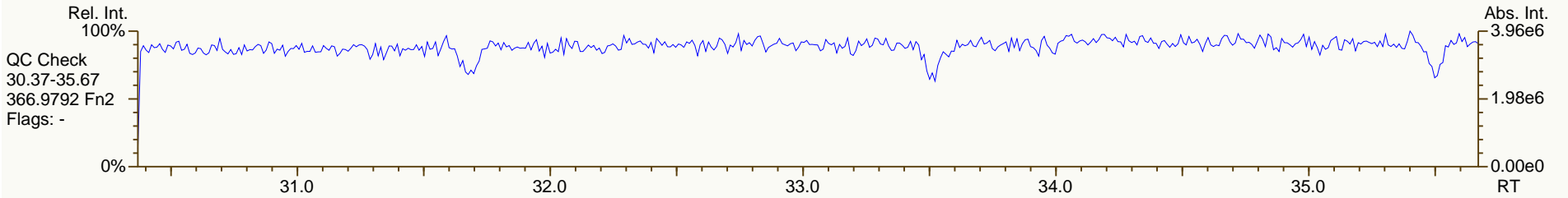
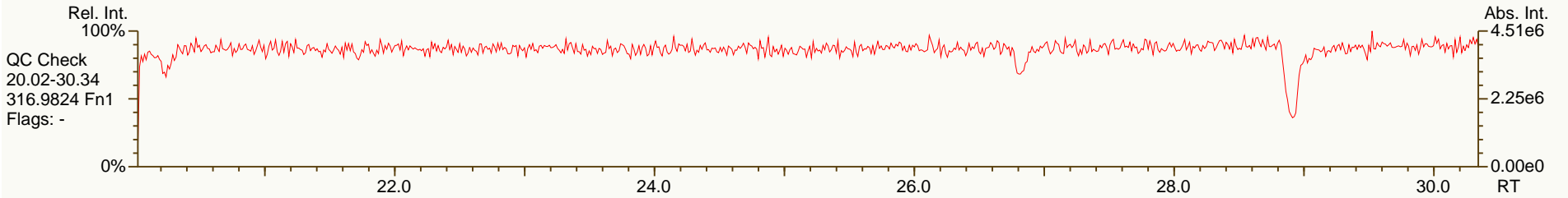
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JS 1234-TCDD	27.21		-	-	-	5.91E+07	0.79	Y	-	-
JS 1234-TCDF	25.47		-	-	-	9.19E+07	0.75	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.37E+07	1.17	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.47E+07	n/a	-	1.10	95
CS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	5.57E+07	1.62	Y	0.79	119
CS 12346-PeCDF	31.81		1.2486	1.2489	+0.5	7.76E+07	1.55	Y	0.87	97.5
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	5.93E+07	0.54	Y	1.21	103
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.34E+07	0.44	Y	0.89	102
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.47E+07	n/a	-	1.09	101
SS 12347-PeCDD	33.55		1.2327	1.2329	+0.3	5.57E+07	1.62	Y	0.89	125
SS 12346-PeCDF	31.81		1.2486	1.2489	+0.5	7.76E+07	1.55	Y	0.99	105
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	5.93E+07	0.54	Y	0.87	112
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.34E+07	0.44	Y	0.87	111
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	5.56E+07	0.79	Y	1.00	94.3
AS 1368-TCDF	21.72		0.8532	0.8529	-0.5	1.03E+08	0.76	Y	1.20	93.5
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	2.41	3.12
Total PeCDD	0.462	1.36
Total HxCDD	1.69	1.69
Total HpCDD	2.97	2.97
Total Tetra-Octa Dioxins	22.4	24
Total TCDF	5.36	6.19
Total PeCDF	0.834	1.28
Total HxCDF	0.0959	0.0959
Total HpCDF	0	0
Total Tetra-Octa Furans	6.29	7.56
Total Tetra-Octa Dioxins & Furans	28.7	31.6

SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

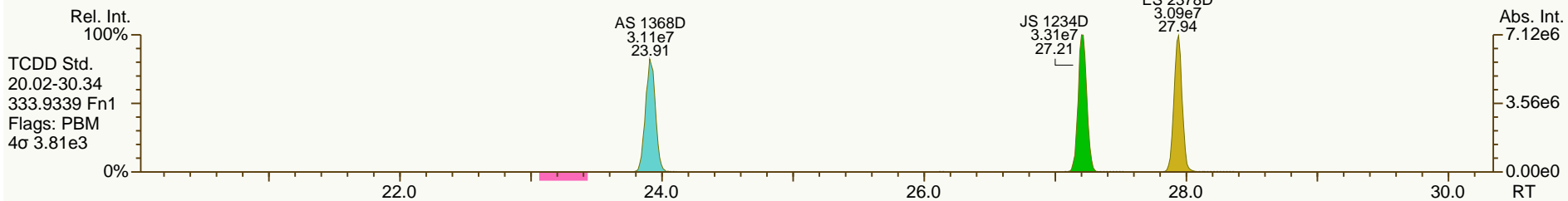
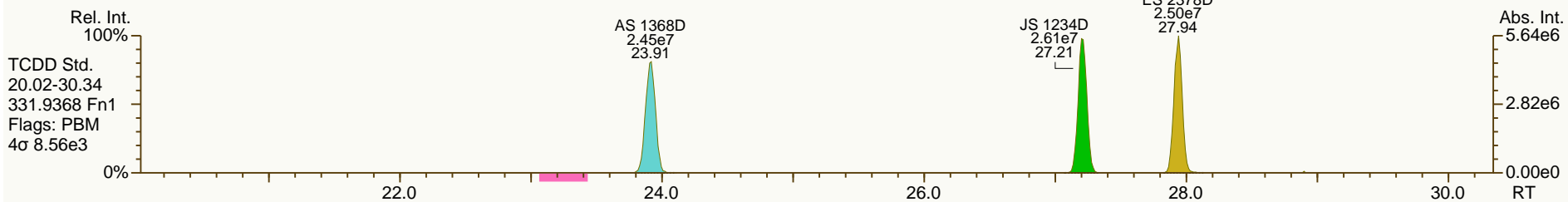
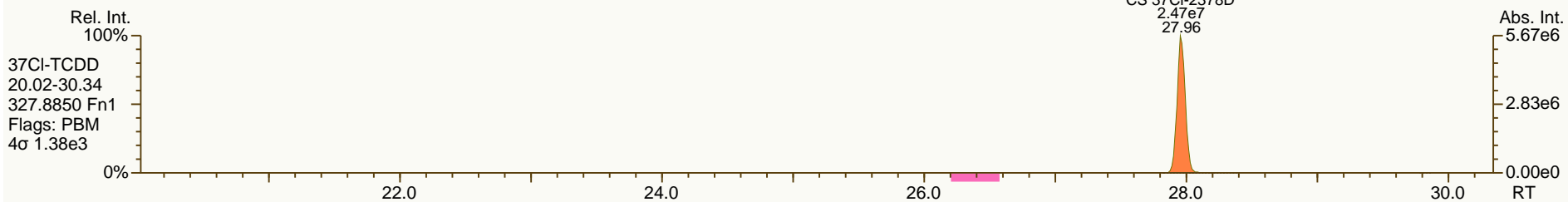
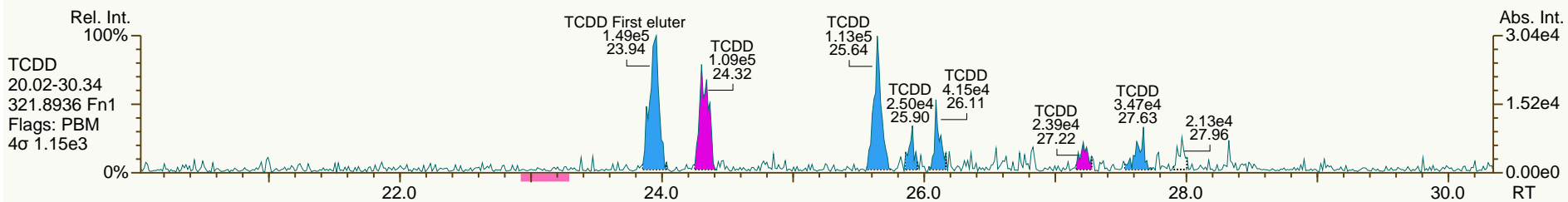
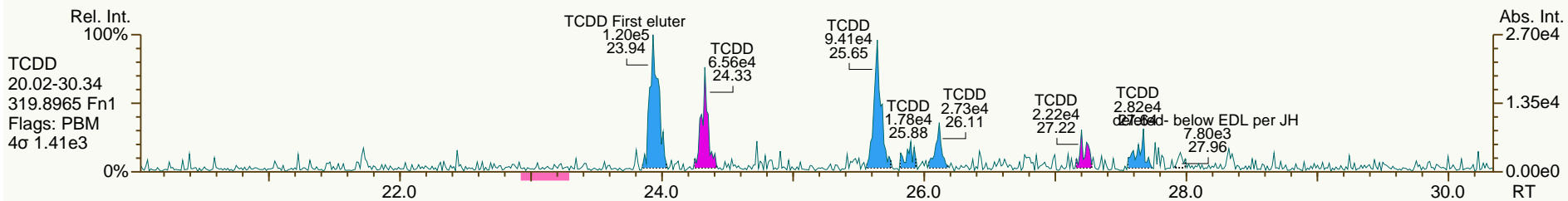
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

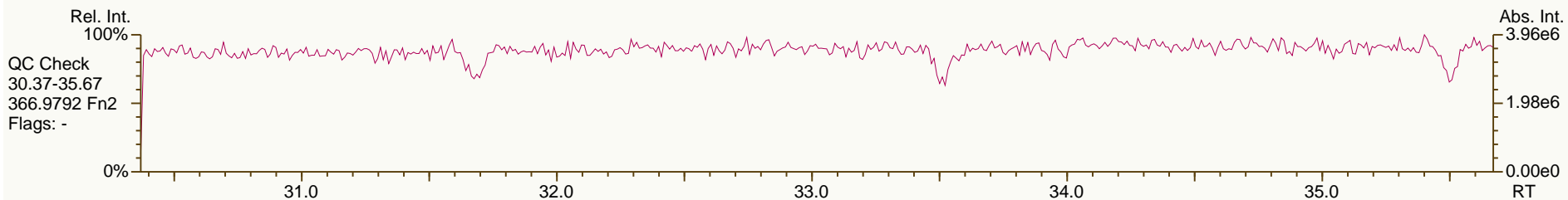
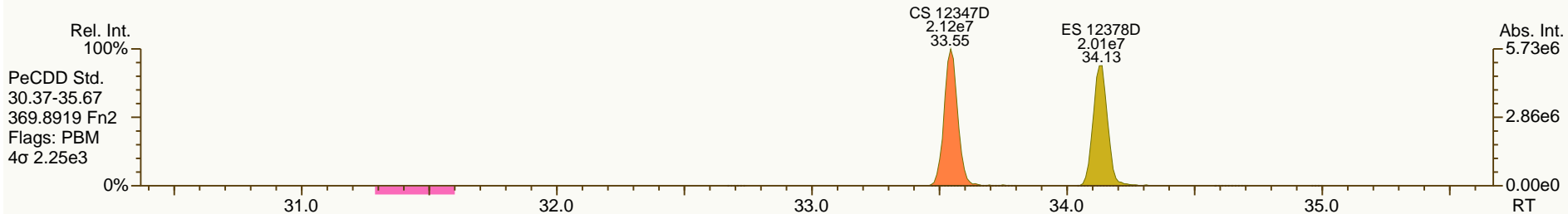
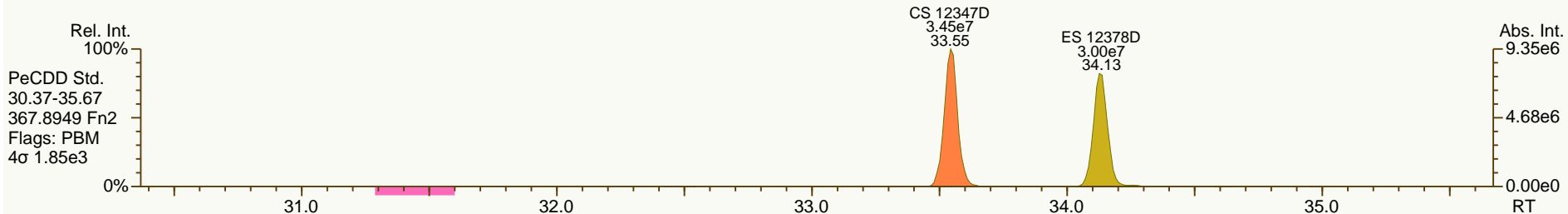
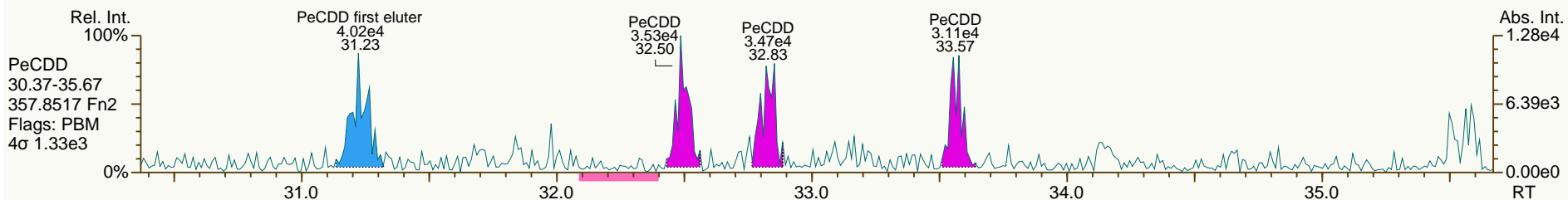
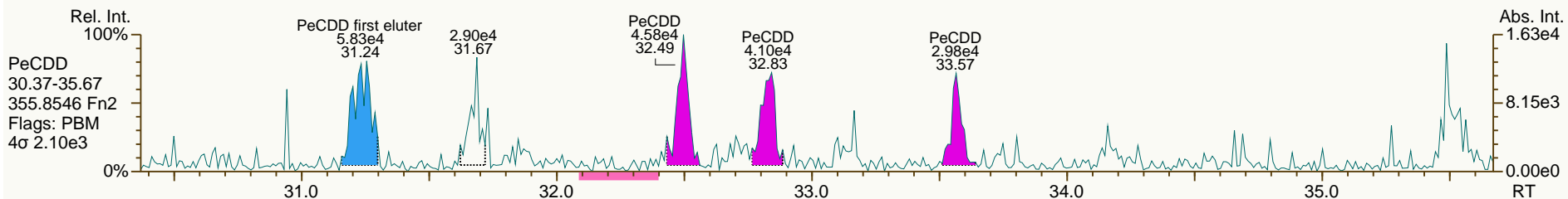
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

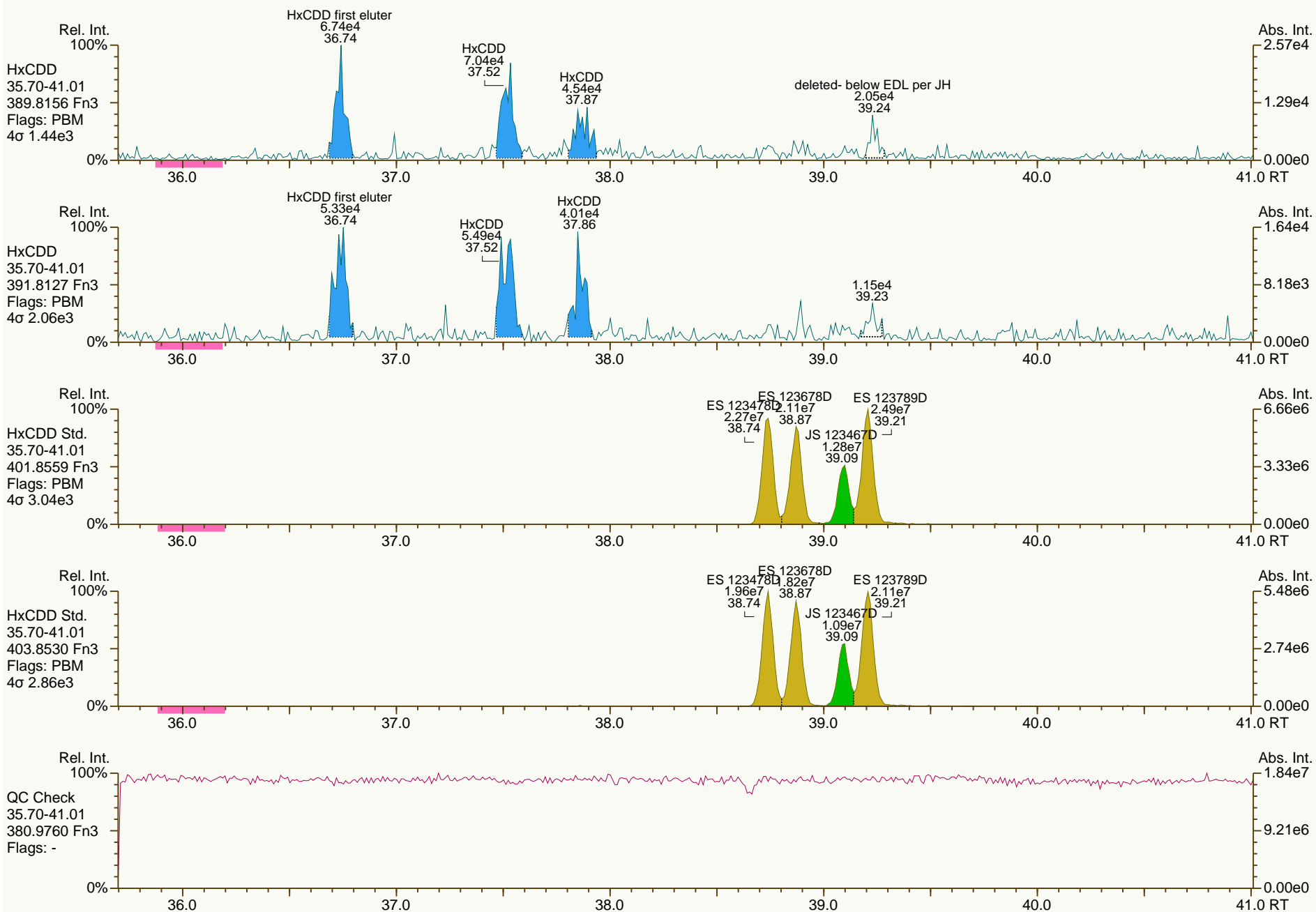
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

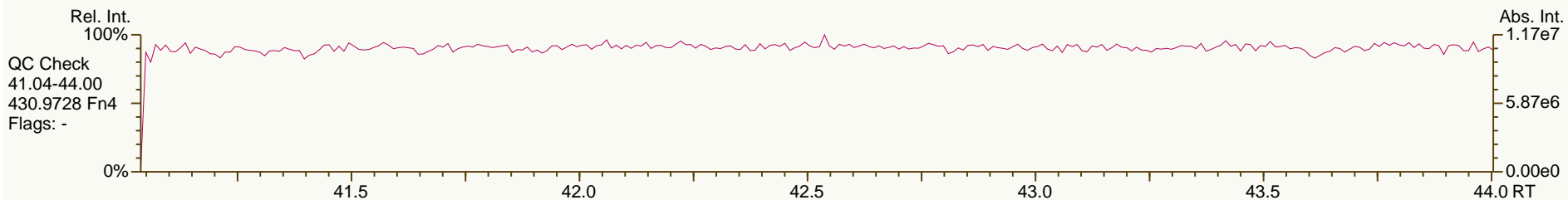
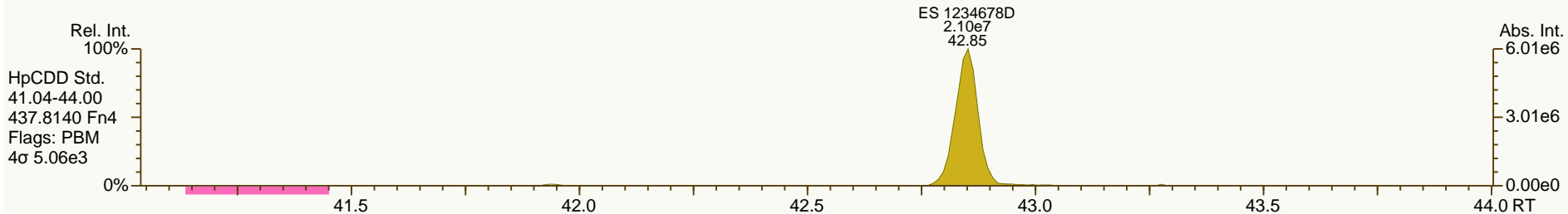
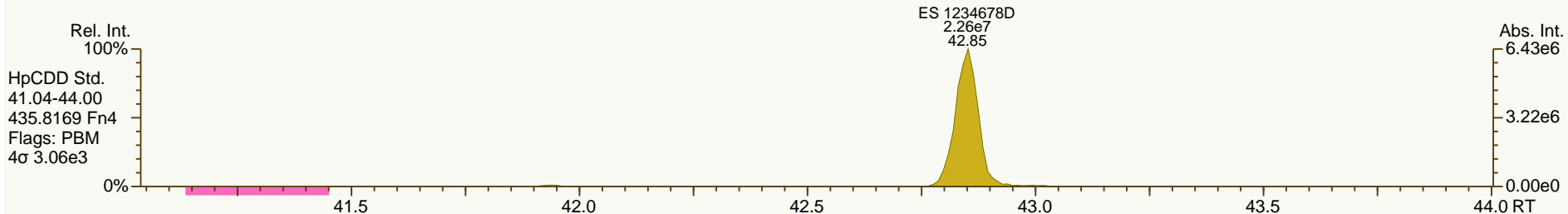
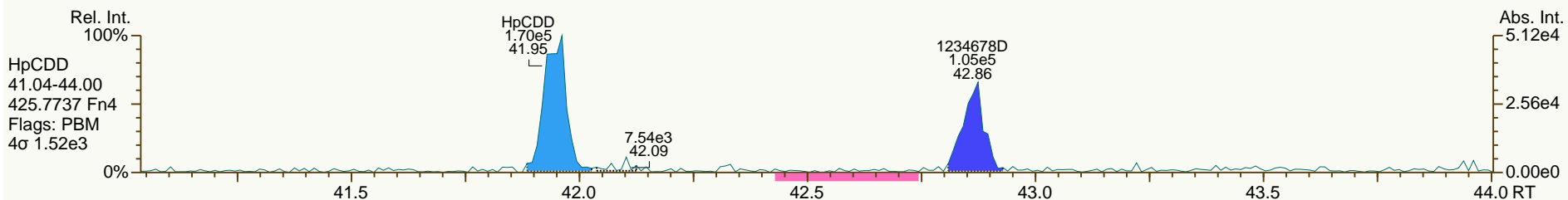
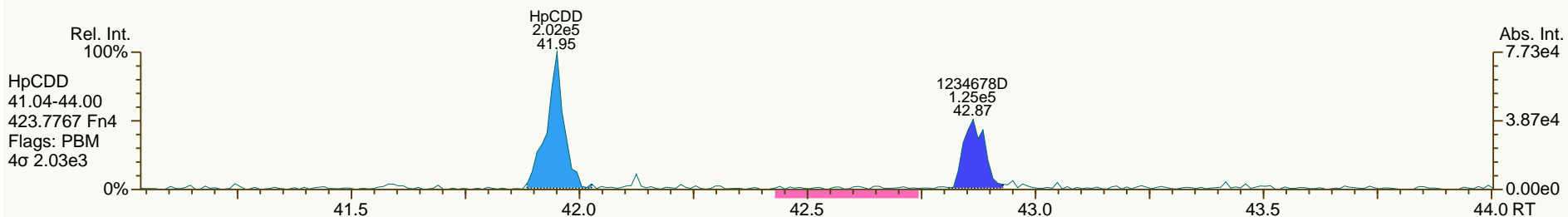
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

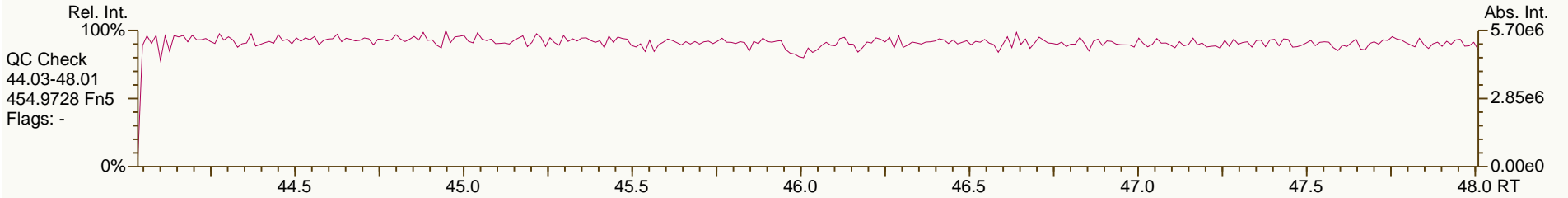
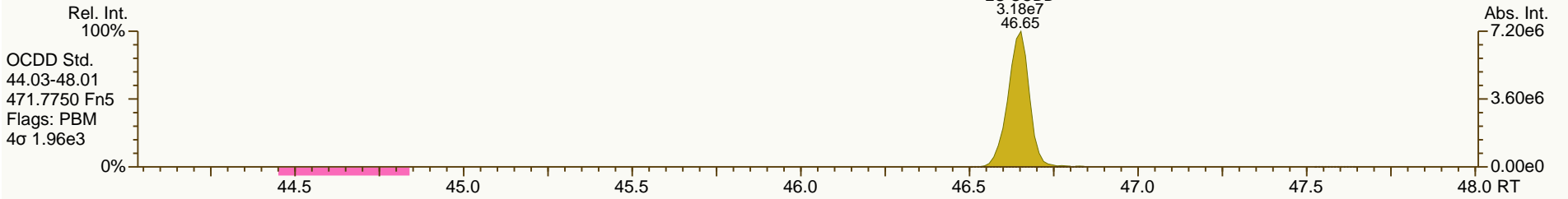
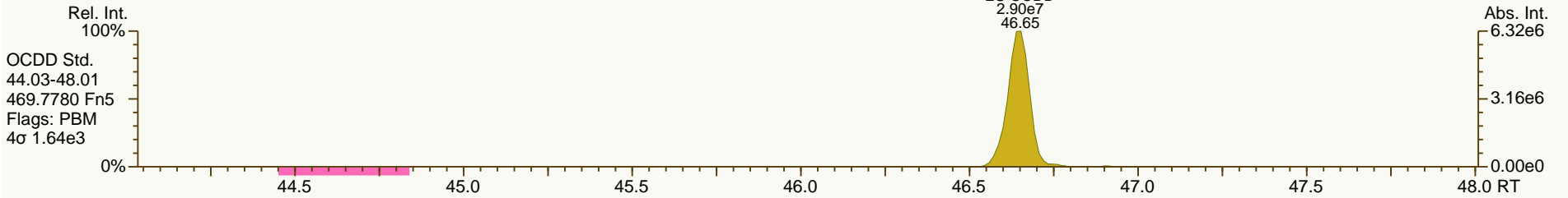
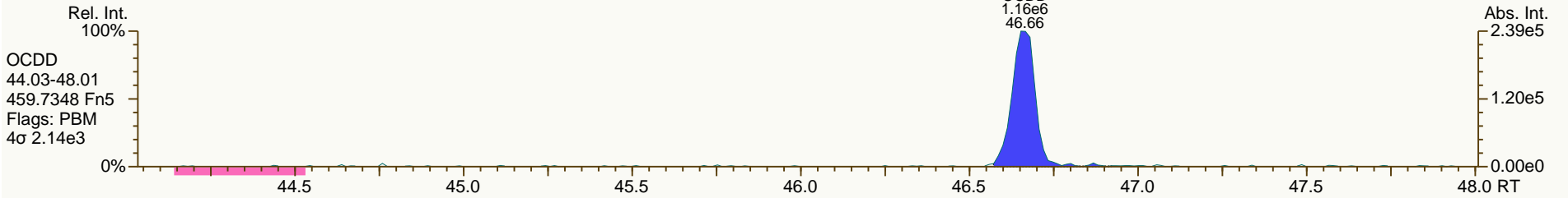
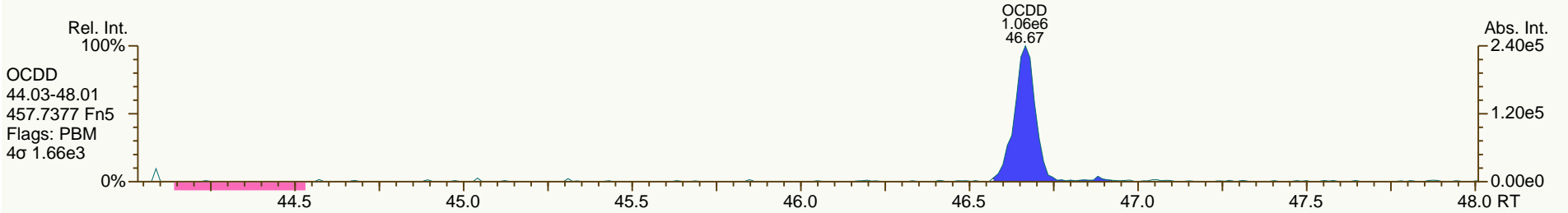
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

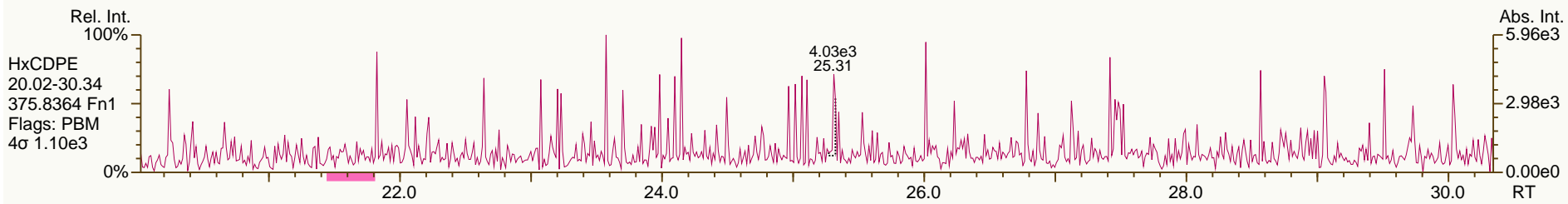
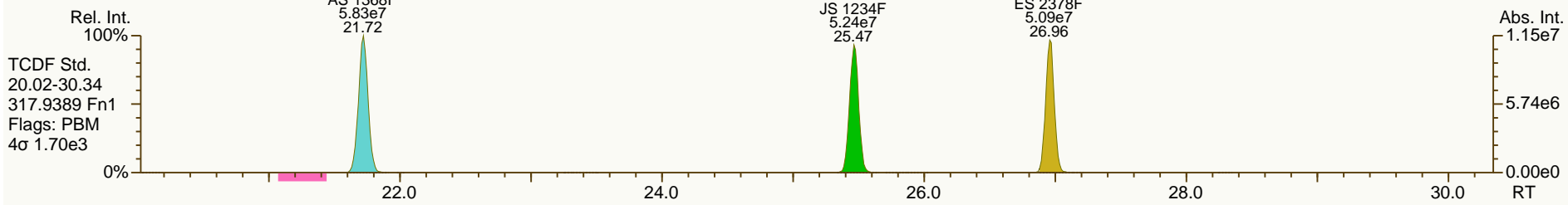
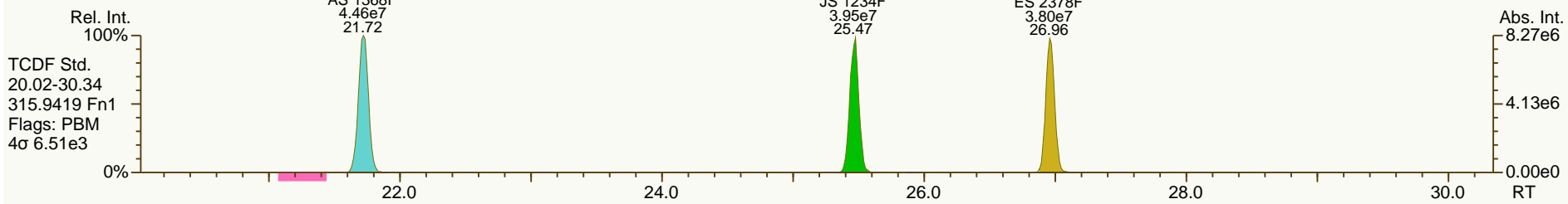
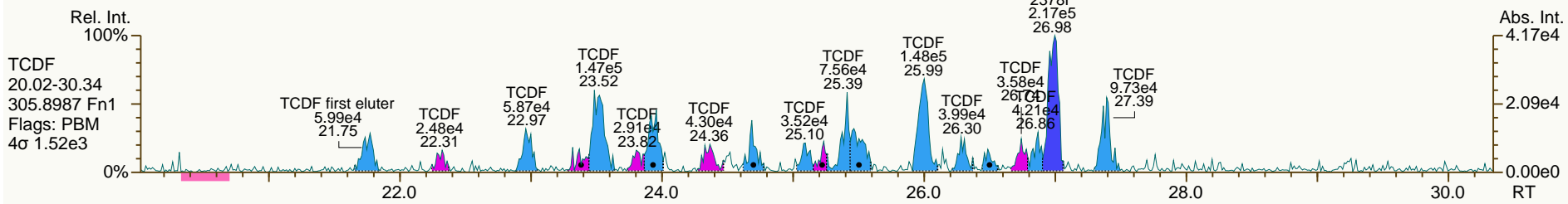
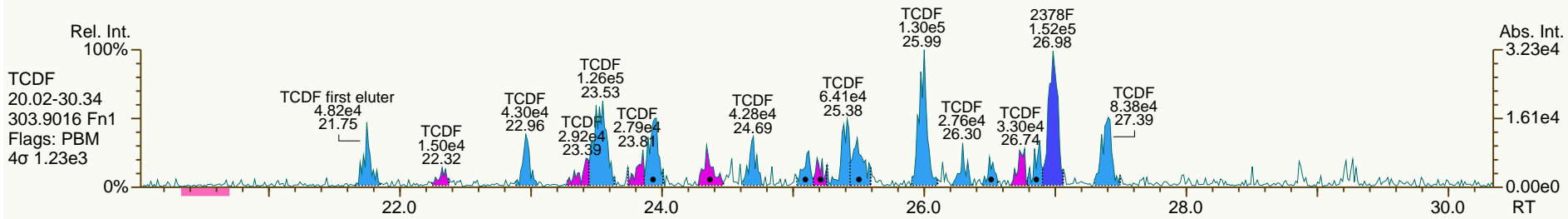
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

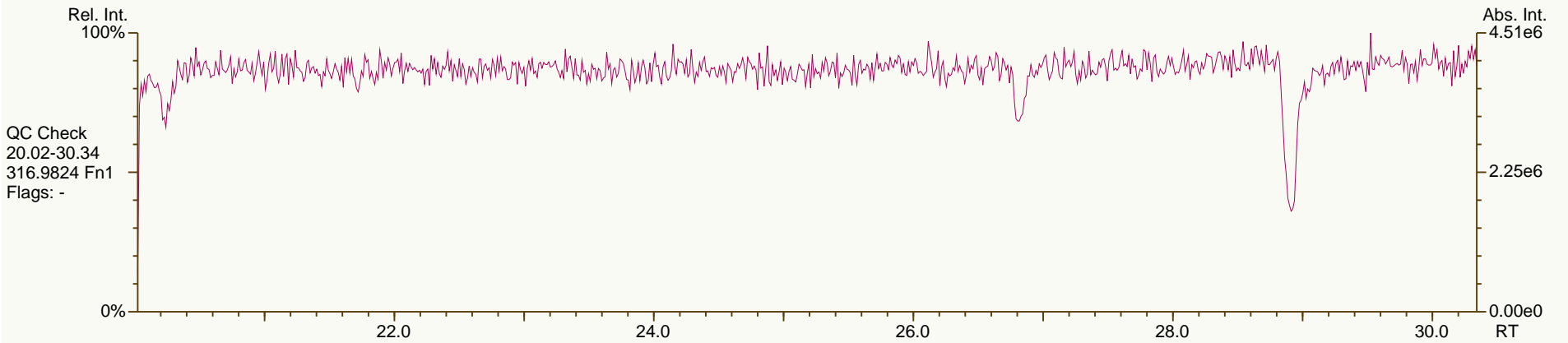
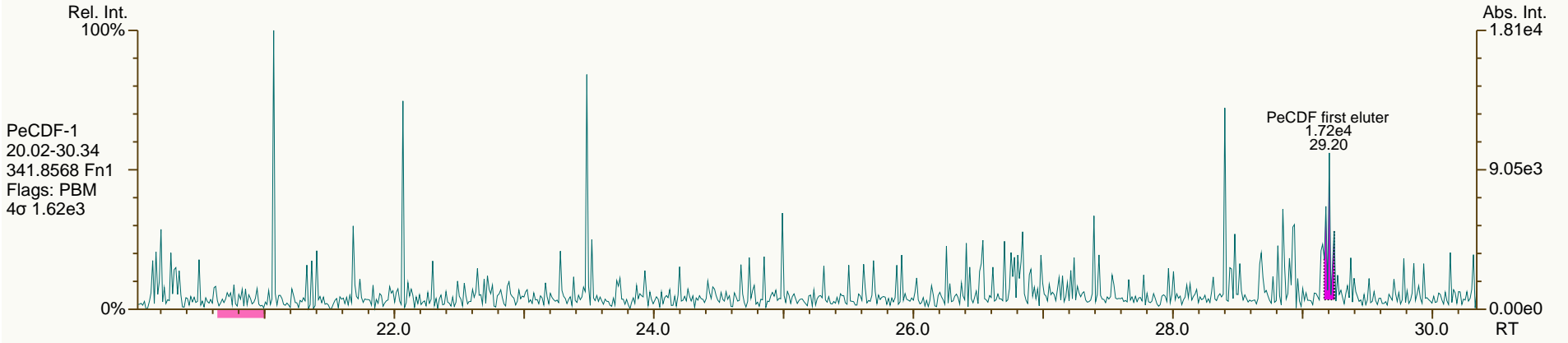
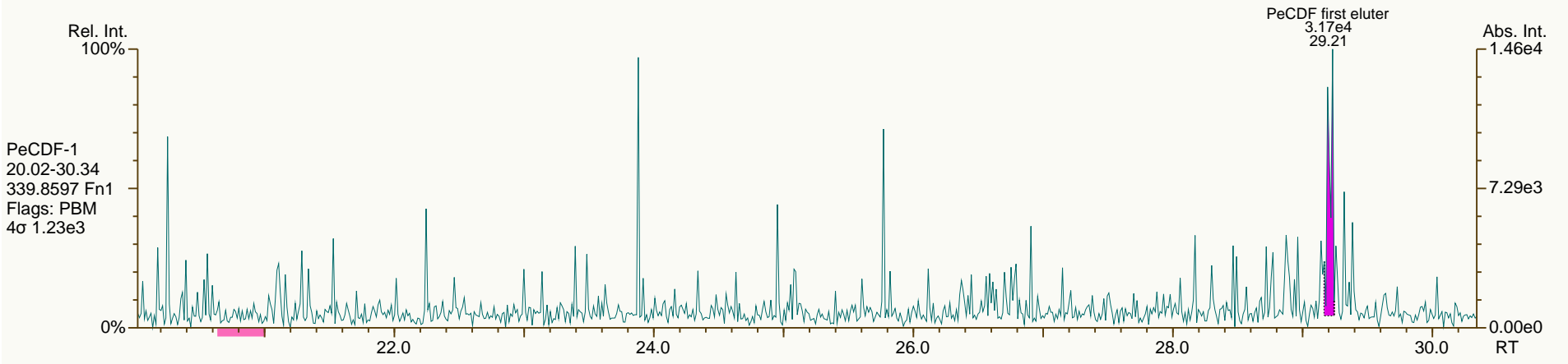
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

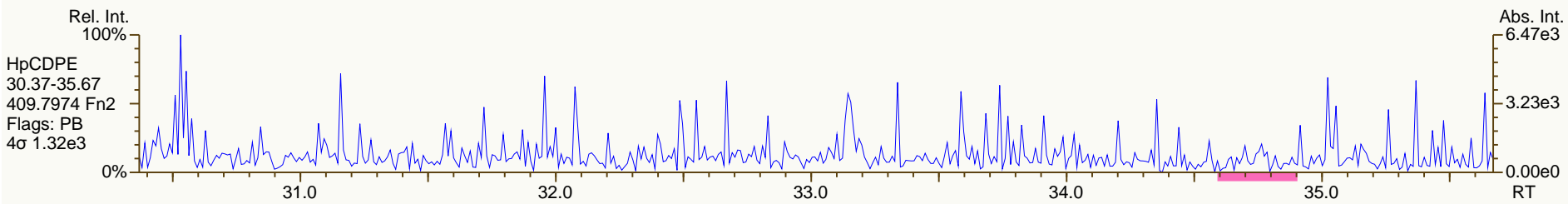
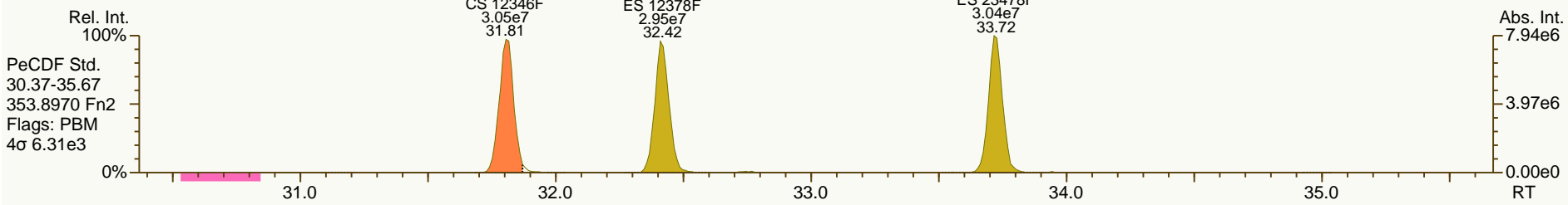
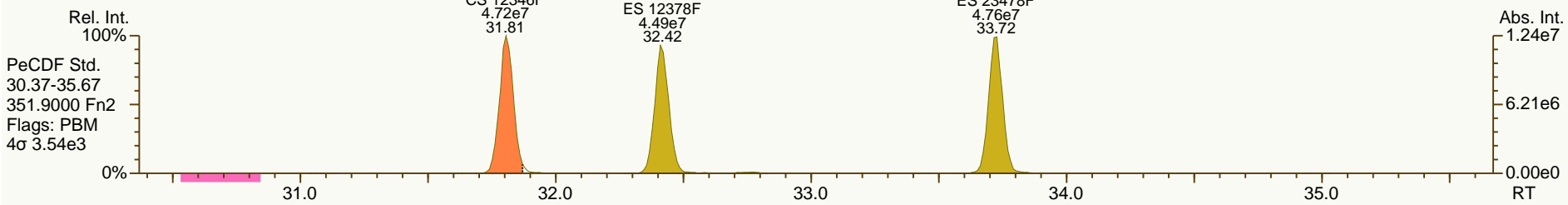
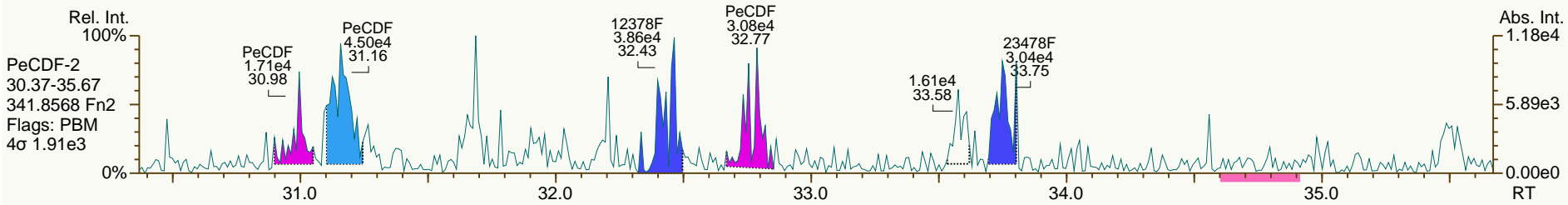
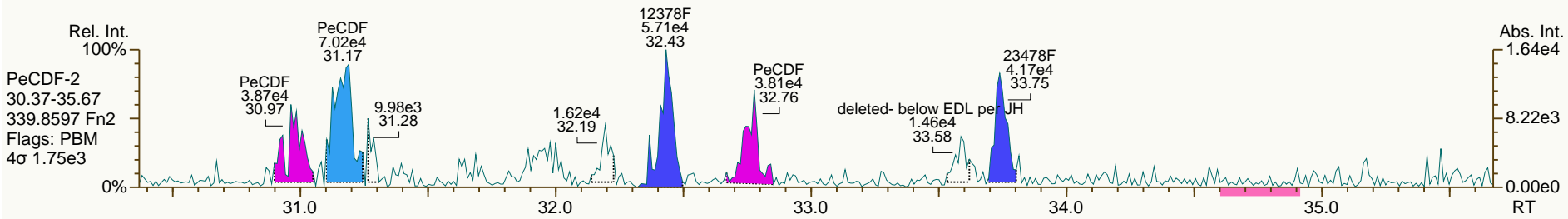
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

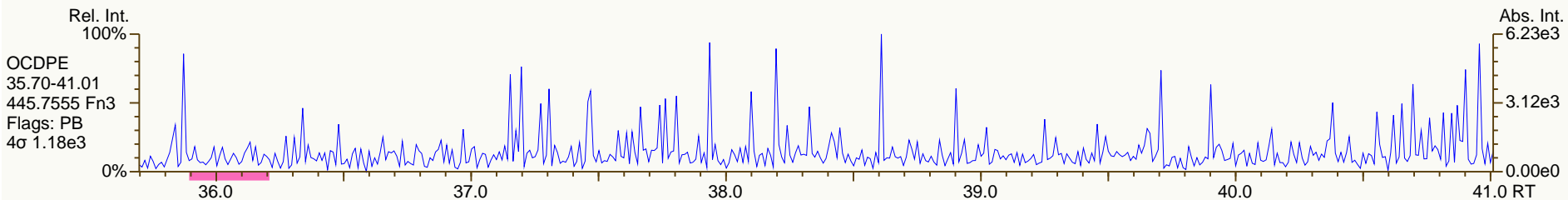
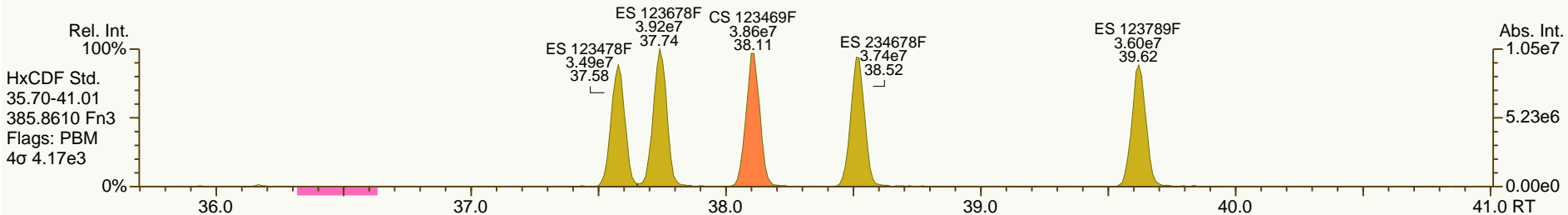
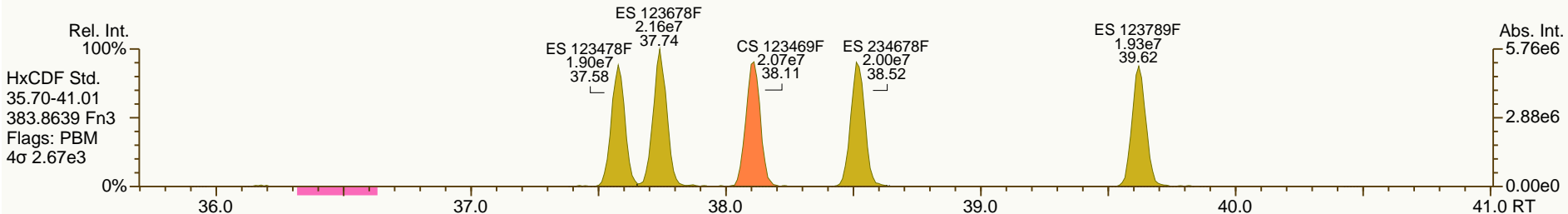
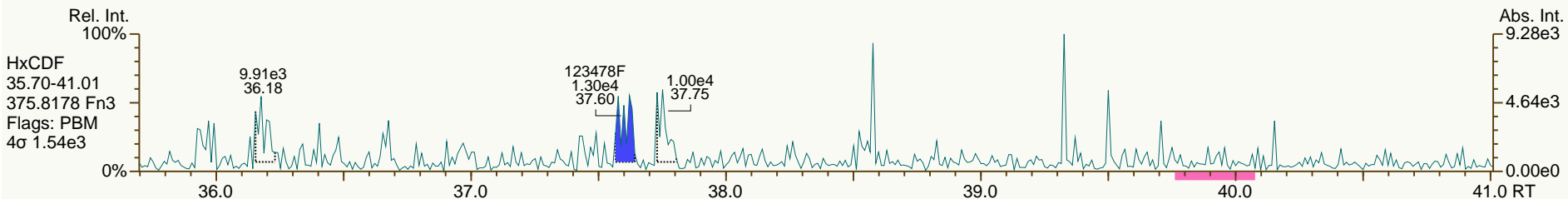
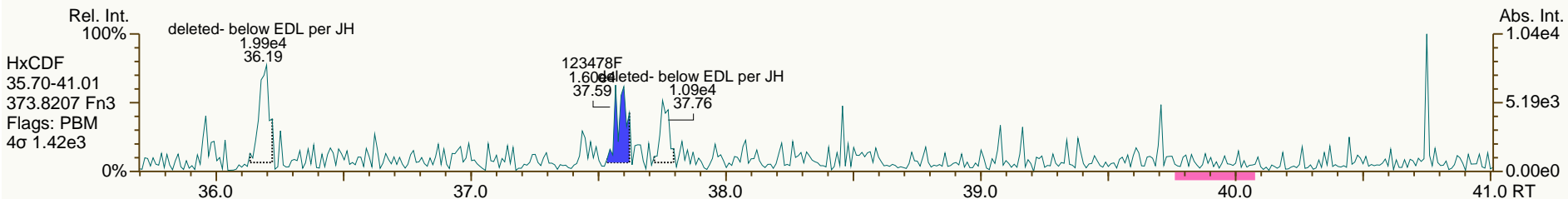
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

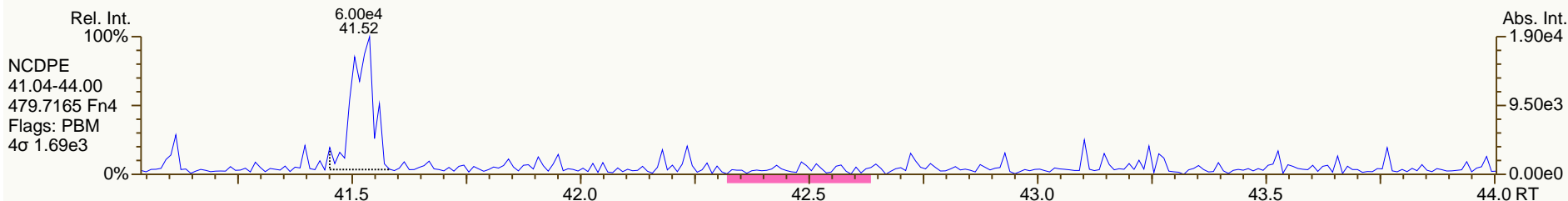
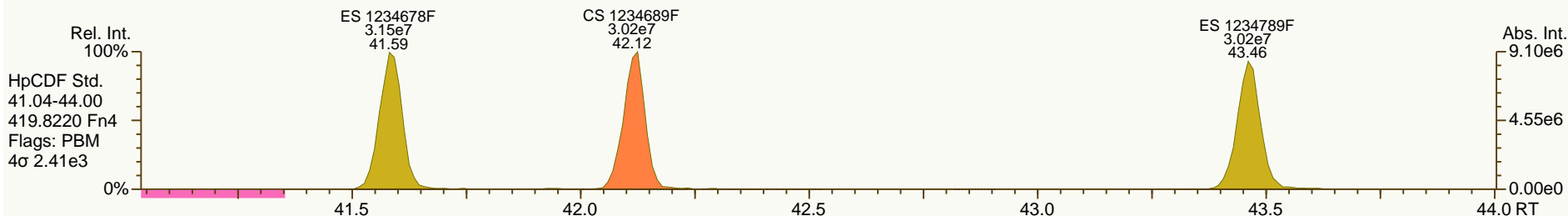
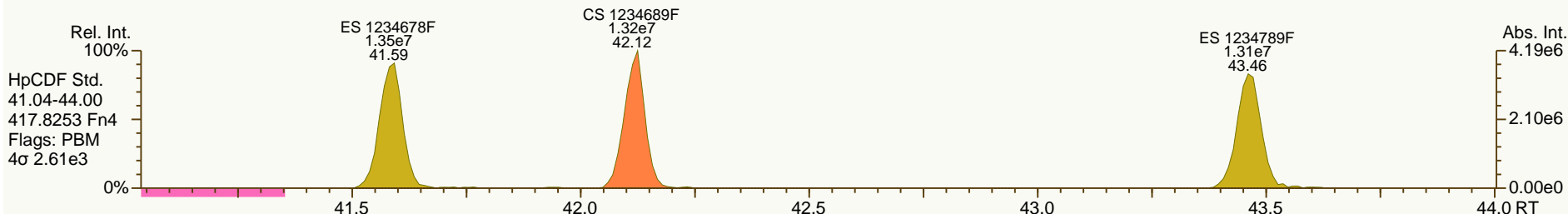
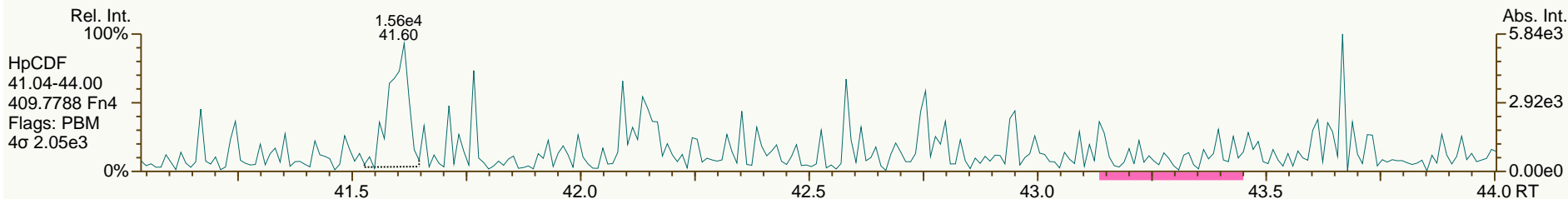
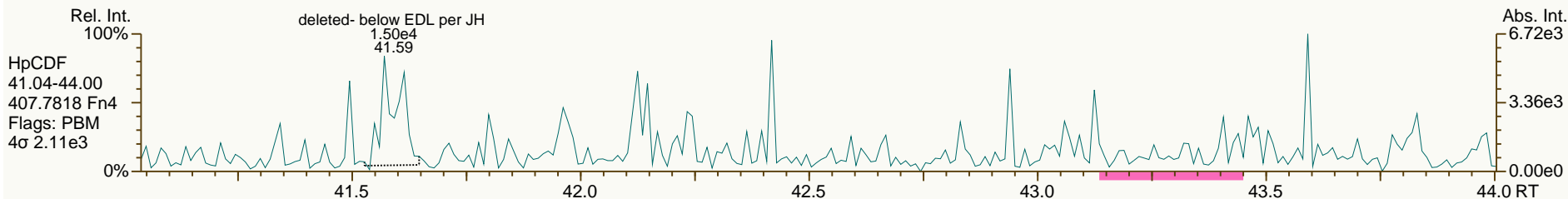
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SGS-AP ID: A5698_11123_DF_013
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

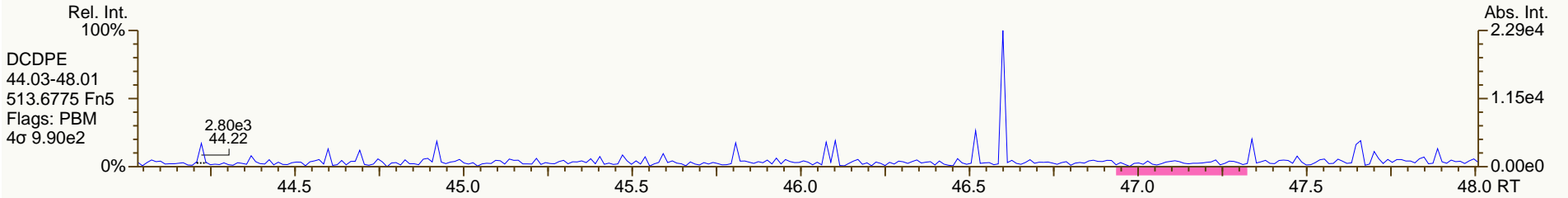
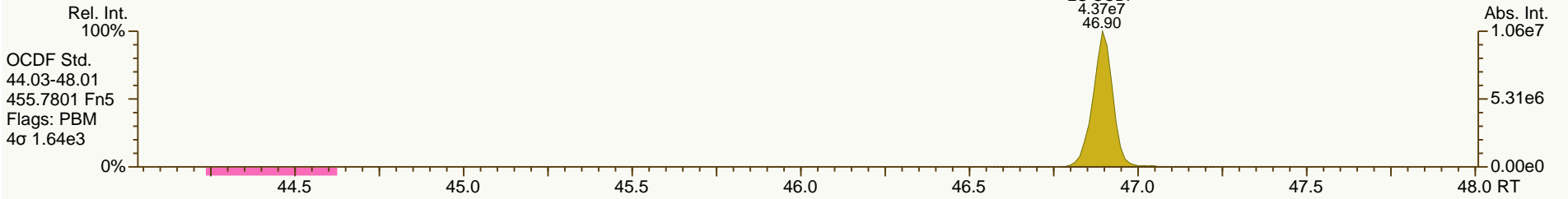
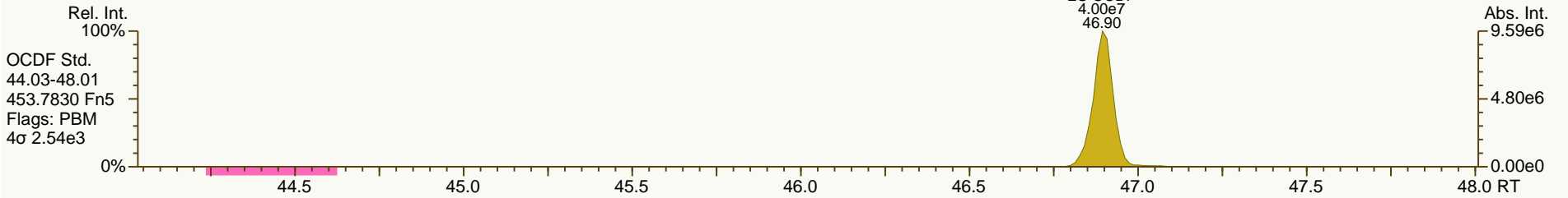
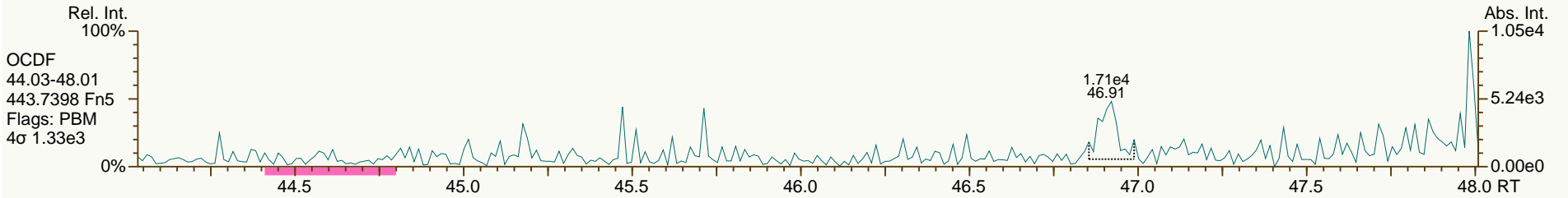
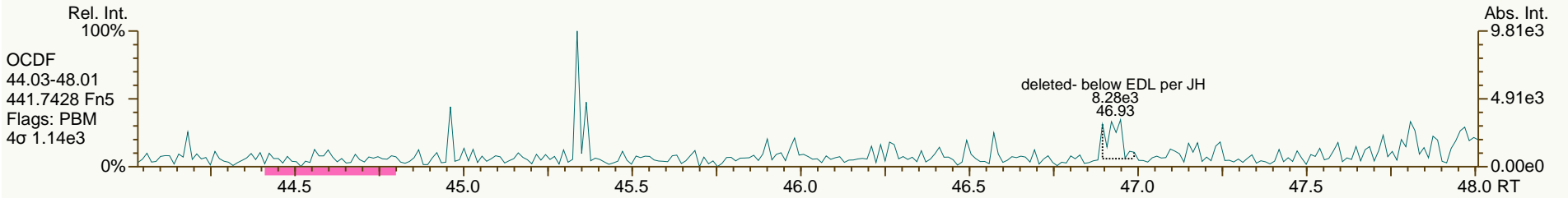
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SGS-AP ID: A5698_11123_DF_013
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-B-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 27

Acq: 19-JUL-2013 02:33:14
User: MDC Datafile: 130718P2-06



Lab ID: A5698_11123_DF_014

Acq'd: 19 Jul 2013 03:25 MDC

Wt/Vol: 8.27 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-C-130426

UTP: 20-Jul-2013 10:11 MDC

J-level: 0.604 pg/g

Split: 1

Checkcode: 740-128-QTB

Datafile: 130718P2-07

Report: 20 Jul 2013 10:11 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	NotFnd		1.0009	-		-	-	-	1.06	-	2694	0.118
12378-PeCDD	NotFnd		1.0006	-		-	-	-	0.94	-	2223	0.102
123478-HxCDD	NotFnd		1.0004	-		-	-	-	1.02	-	3500	0.157
123678-HxCDD	NotFnd		1.0039	-		-	-	-	1.04	-	3500	0.162
123789-HxCDD	NotFnd		1.0125	-		-	-	-	0.98	-	3500	0.156
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	1.05E+05	1.03	Y	1.02	0.542	3885	0.174
OCDD	46.66		1.0003	1.0003	0	9.62E+05	0.95	Y	1.08	6.66	2990	0.223
2378-TCDF	26.99		1.0009	1.0010	+0.2	8.91E+04	0.88	Y	0.97	0.229	2811	0.0869
12378-PeCDF	NotFnd		1.0006	-		-	-	-	1.00	-	2337	0.0694
23478-PeCDF	NotFnd		1.0006	-		-	-	-	0.96	-	2337	0.0665
123478-HxCDF	NotFnd		1.0005	-		-	-	-	1.23	-	3065	0.0893
123678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3065	0.0861
234678-HxCDF	NotFnd		1.0005	-		-	-	-	1.14	-	3065	0.0916
123789-HxCDF	NotFnd		1.0005	-		-	-	-	1.13	-	3065	0.106
1234678-HpCDF	NotFnd		1.0004	-		-	-	-	1.34	-	3083	0.0912
1234789-HpCDF	NotFnd		1.0003	-		-	-	-	1.30	-	3083	0.109
OCDF	NotFnd		1.0004	-		-	-	-	1.00	-	2797	0.169

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.93		1.0268	1.0268	0	5.85E+07	0.80	Y	1.01	89.4
ES 12378-PeCDD	34.13		1.2541	1.2545	+0.7	5.34E+07	1.56	Y	0.90	92
ES 123478-HxCDD	38.74		0.9910	0.9910	0	4.63E+07	1.19	Y	0.99	85.8
ES 123678-HxCDD	38.87		0.9944	0.9944	0	4.46E+07	1.16	Y	1.02	80.2
ES 123789-HxCDD	39.21		1.0030	1.0029	-0.2	5.26E+07	1.17	Y	1.12	86.9
ES 1234678-HpCDD	42.85		1.0959	1.0961	+0.5	4.56E+07	1.05	Y	0.90	92.9
ES OCDD	46.64		1.1930	1.1932	+0.5	6.47E+07	0.89	Y	0.74	80.3
ES 2378-TCDF	26.96		1.0586	1.0587	+0.2	9.67E+07	0.77	Y	1.05	87.7
ES 12378-PeCDF	32.42		1.2725	1.2730	+0.8	8.03E+07	1.55	Y	0.88	87.4
ES 23478-PeCDF	33.72		1.3237	1.3243	+0.9	8.31E+07	1.57	Y	0.91	87.4
ES 123478-HxCDF	37.58		0.9613	0.9613	0	6.15E+07	0.53	Y	1.25	90.5
ES 123678-HxCDF	37.74		0.9655	0.9655	0	7.10E+07	0.54	Y	1.40	93.4
ES 234678-HxCDF	38.52		0.9853	0.9854	+0.2	6.72E+07	0.54	Y	1.29	95.6
ES 123789-HxCDF	39.62		1.0136	1.0136	0	6.20E+07	0.54	Y	1.17	97.9
ES 1234678-HpCDF	41.59		1.0636	1.0638	+0.5	4.89E+07	0.44	Y	1.03	87.6
ES 1234789-HpCDF	43.46		1.1117	1.1118	+0.2	4.44E+07	0.43	Y	0.89	92.2
ES OCDF	46.90		1.1993	1.1997	+0.9	8.75E+07	0.88	Y	1.00	80.5

Lab ID: A5698_11123_DF_014

Acq'd: 19 Jul 2013 03:25 MDC

Wt/Vol: 8.27 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA07-SC28-C-130426

UTP: 20-Jul-2013 10:11 MDC

J-level: 0.604 pg/g

Split: 1

Checkcode: 740-128-QTB

Datafile: 130718P2-07

Report: 20 Jul 2013 10:11 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

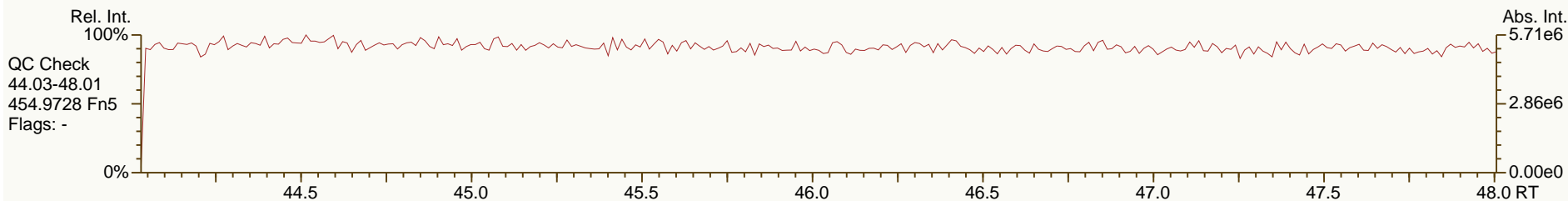
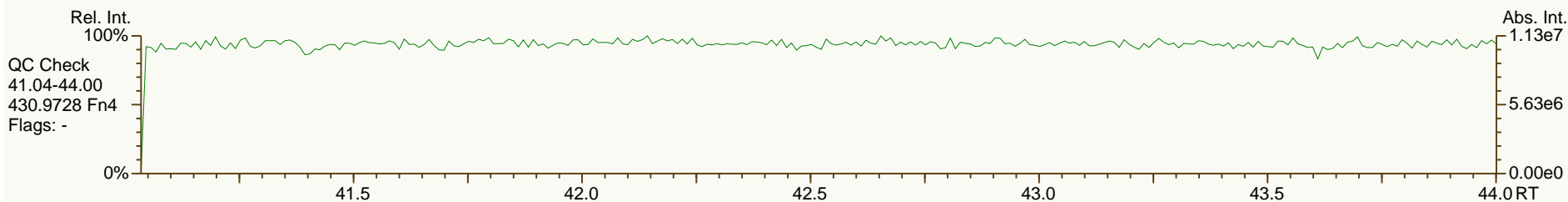
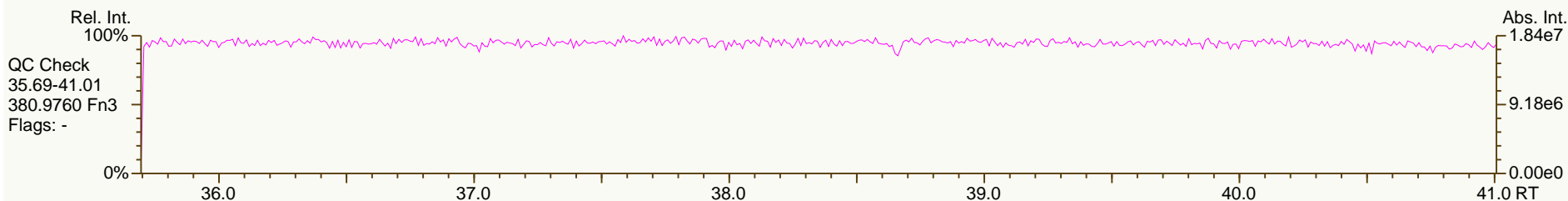
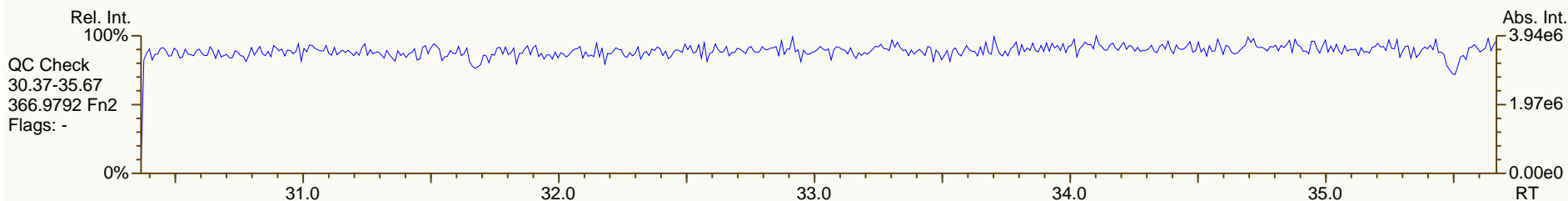
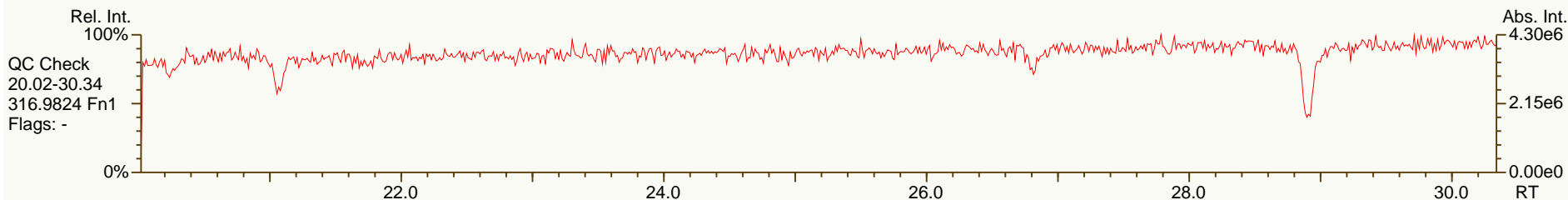
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JS 1234-TCDF	25.46		-	-	-	1.05E+08	0.76	Y	-	-
JS 123467-HxCDD	39.09		-	-	-	2.72E+07	1.15	Y	-	-
CS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.62E+07	n/a	-	1.10	91.9
CS 12347-PeCDD	33.54		1.2327	1.2330	+0.5	5.77E+07	1.58	Y	0.79	112
CS 12346-PeCDF	31.81		1.2486	1.2490	+0.6	8.25E+07	1.58	Y	0.87	91.1
CS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.72E+07	0.53	Y	1.21	102
CS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.86E+07	0.44	Y	0.89	100
SS 37C1-2378-TCDD	27.96		1.0277	1.0277	0	2.62E+07	n/a	-	1.09	103
SS 12347-PeCDD	33.54		1.2327	1.2330	+0.5	5.77E+07	1.58	Y	0.89	122
SS 12346-PeCDF	31.81		1.2486	1.2490	+0.6	8.25E+07	1.58	Y	0.99	104
SS 123469-HxCDF	38.11		0.9749	0.9748	-0.2	6.72E+07	0.53	Y	0.87	109
SS 1234689-HpCDF	42.12		1.0773	1.0774	+0.2	4.86E+07	0.44	Y	0.87	114
AS 1368-TCDD	23.91		0.8792	0.8788	-0.7	6.26E+07	0.82	Y	1.00	97
AS 1368-TCDF	21.72		0.8532	0.8528	-0.6	1.13E+08	0.78	Y	1.20	90.4
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC
Total TCDD	0.209	0.866
Total PeCDD	0	0
Total HxCDD	0.341	0.341
Total HpCDD	1.45	1.45
Total Tetra-Octa Dioxins	8.66	9.32
Total TCDF	0.396	0.653
Total PeCDF	0	0
Total HxCDF	0	0
Total HpCDF	0	0
Total Tetra-Octa Furans	0.396	0.653
Total Tetra-Octa Dioxins & Furans	9.05	9.97

SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

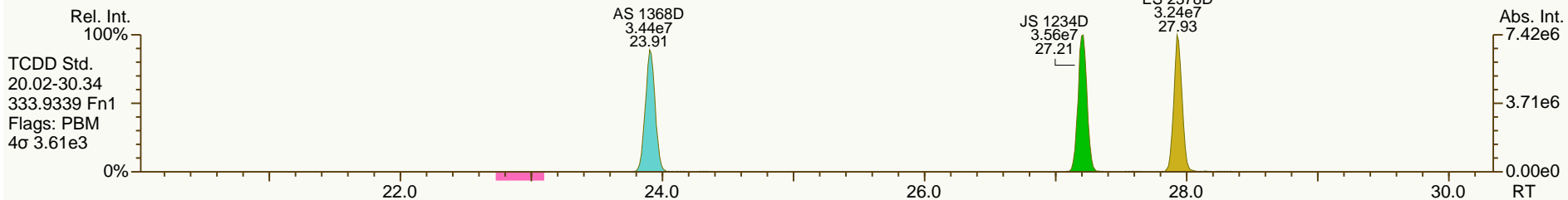
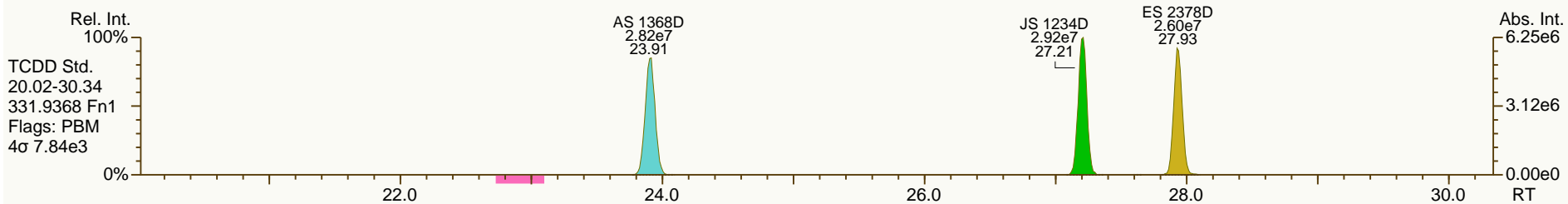
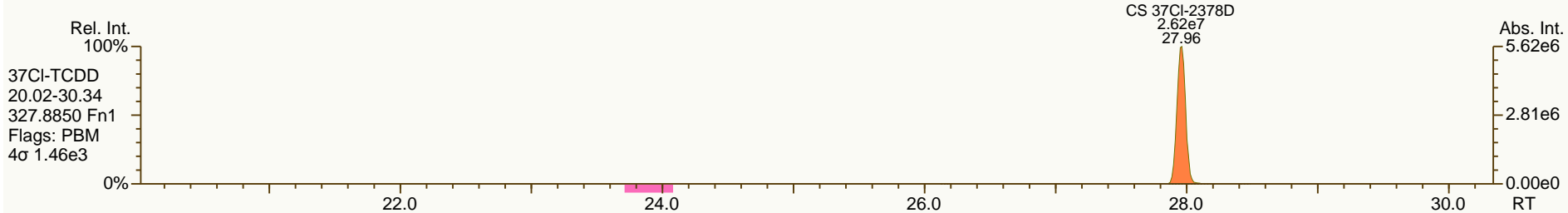
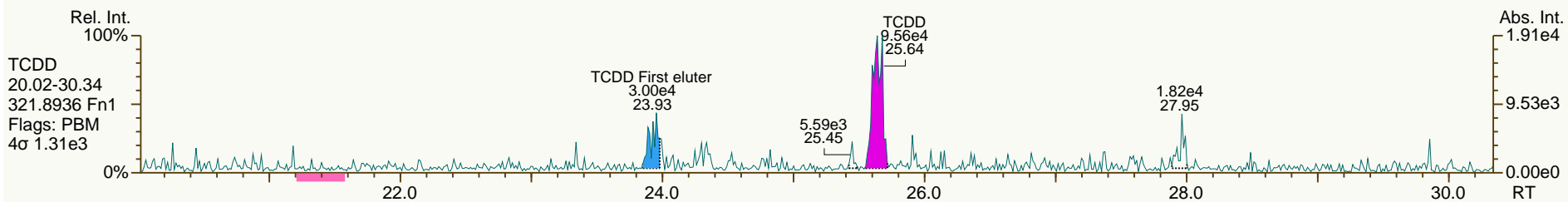
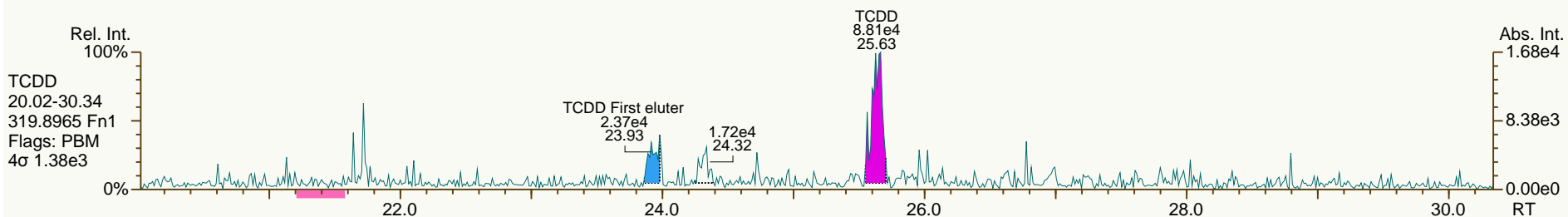
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User: MDC Datafile: 130718P2-07



SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

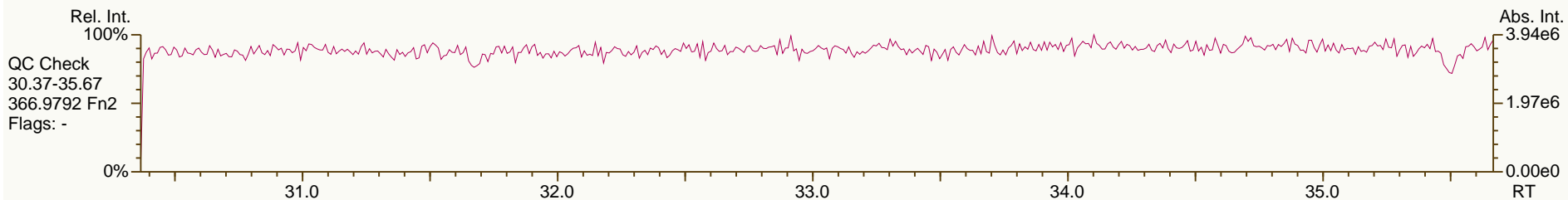
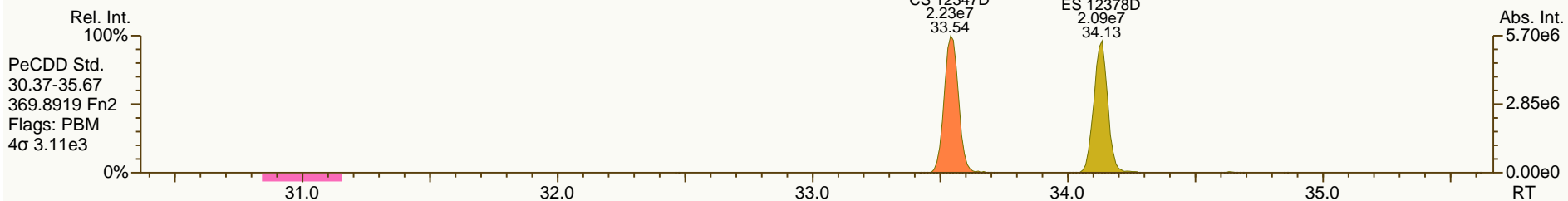
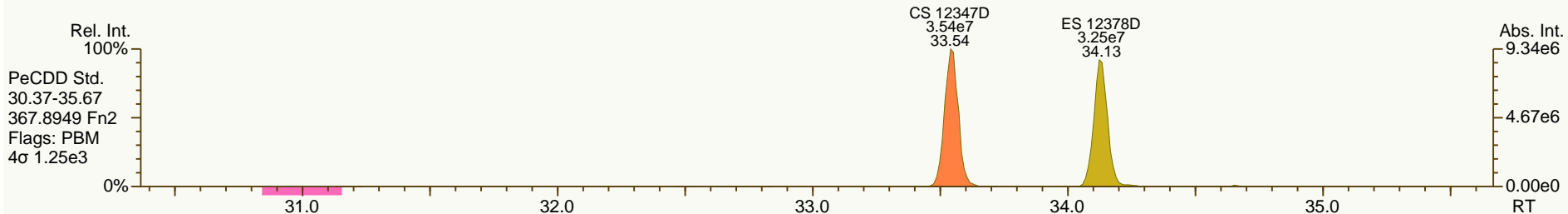
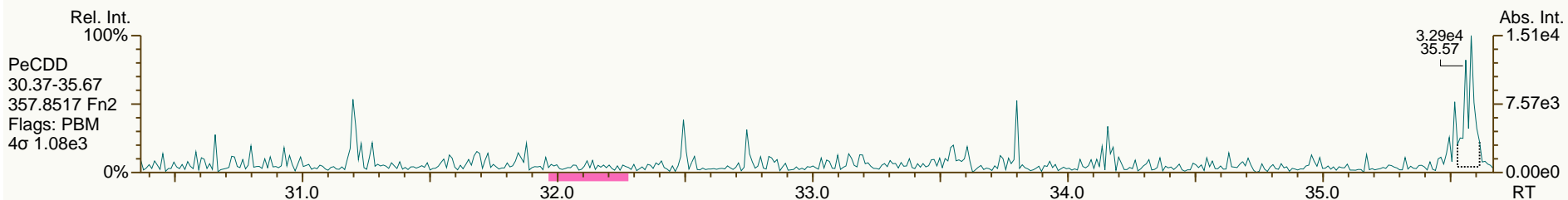
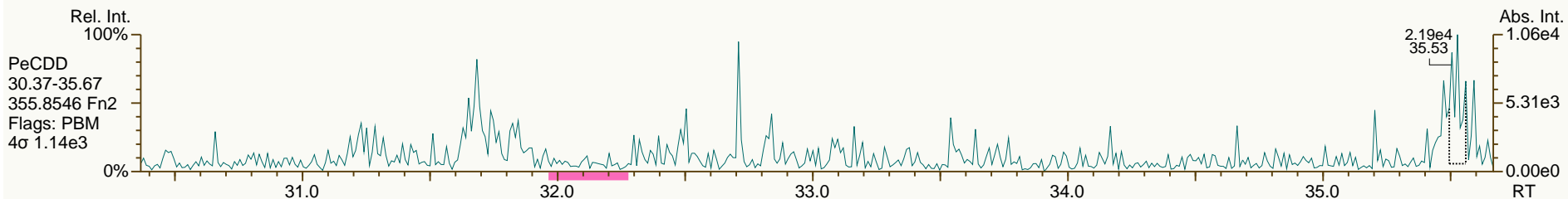
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

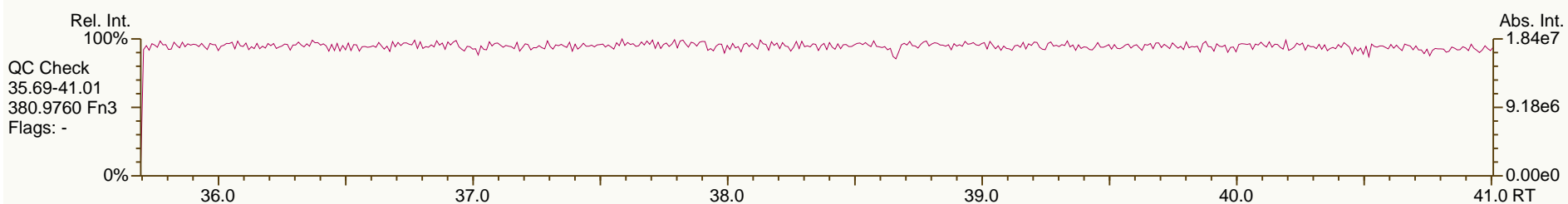
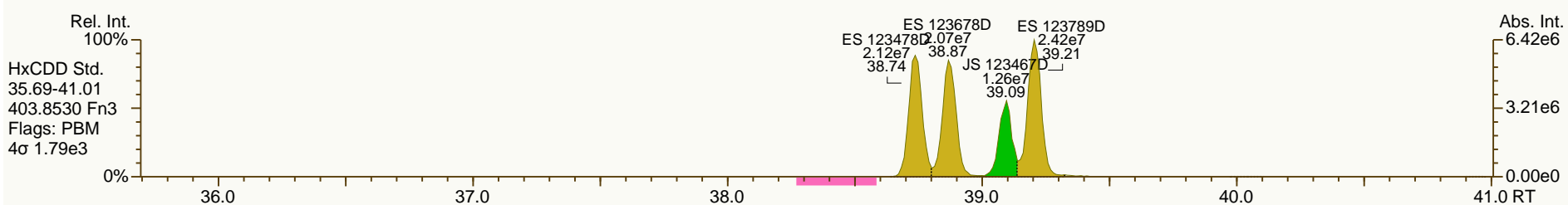
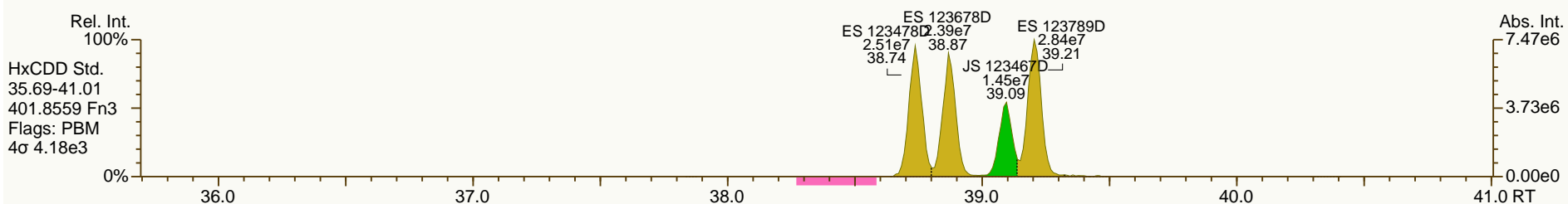
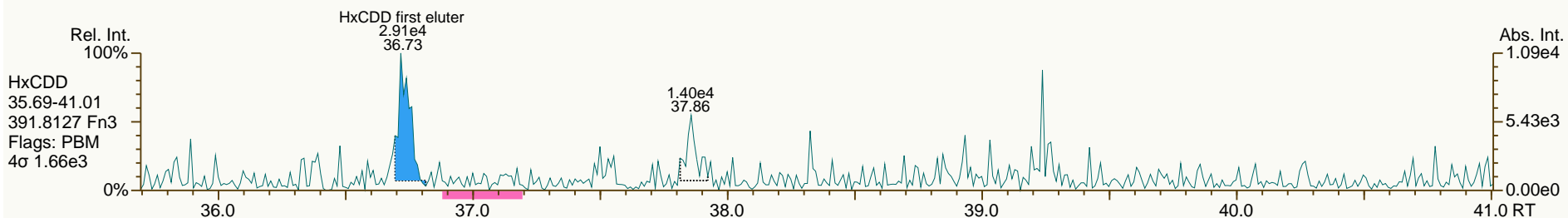
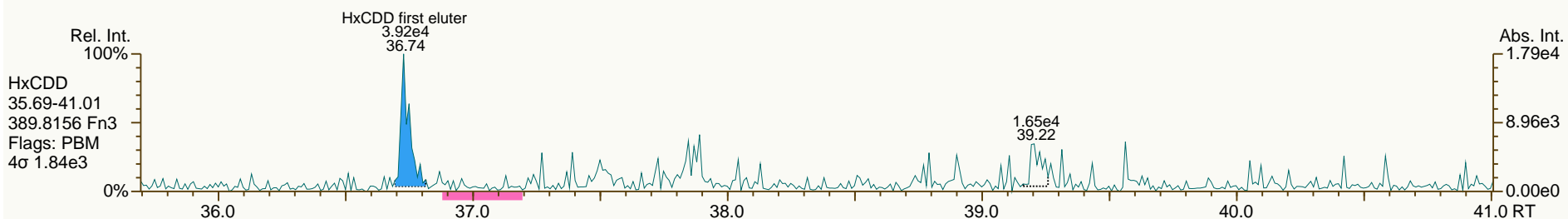
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

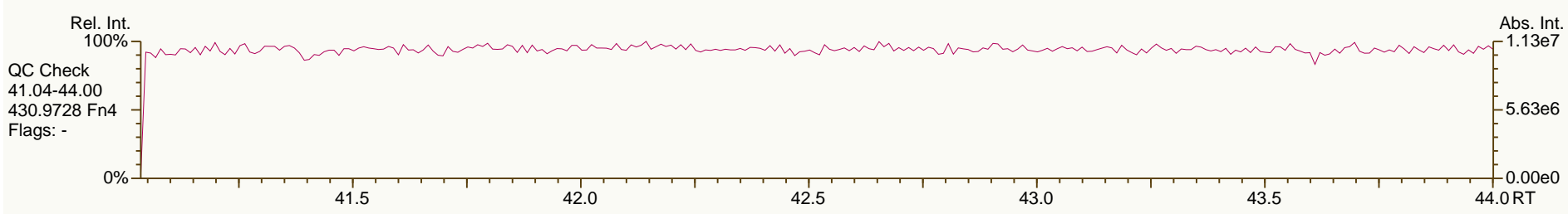
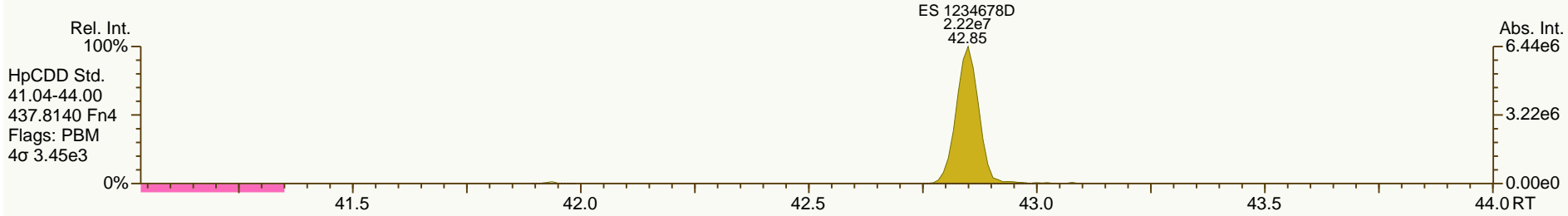
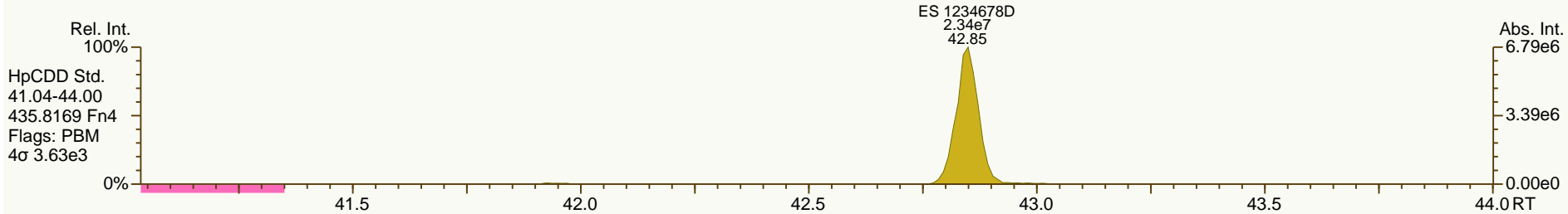
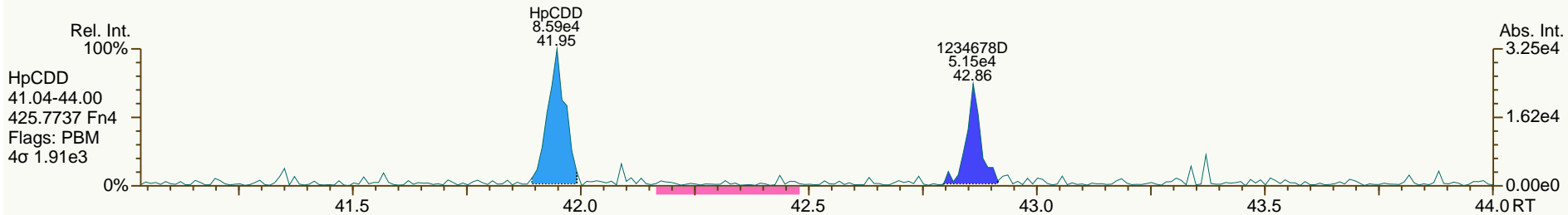
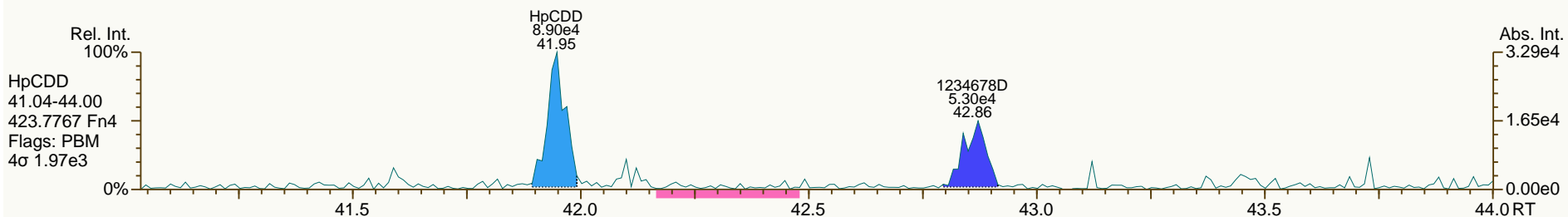
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

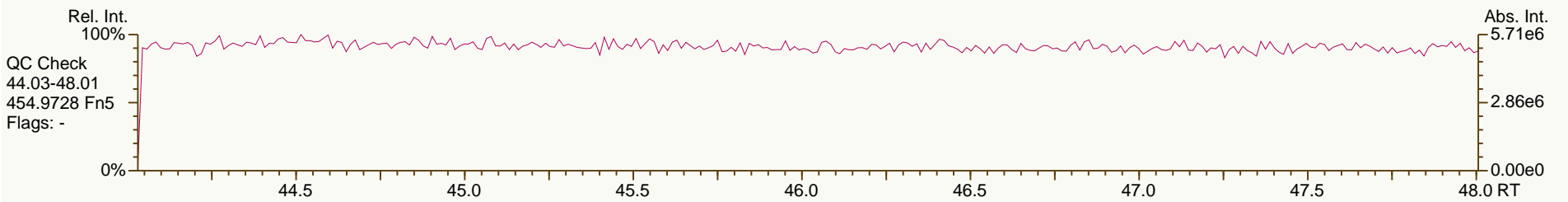
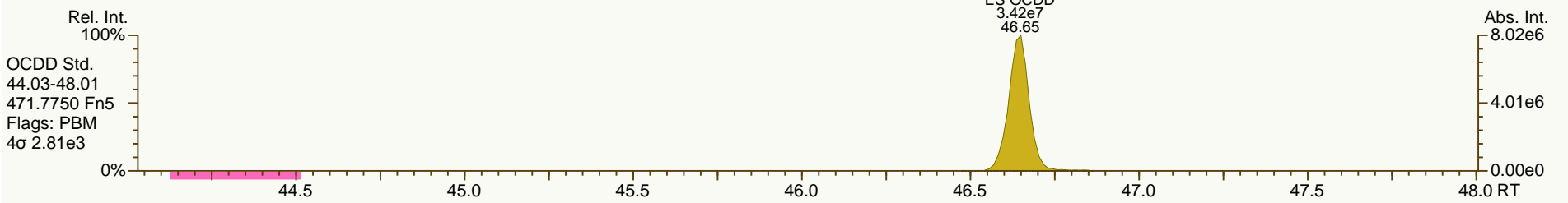
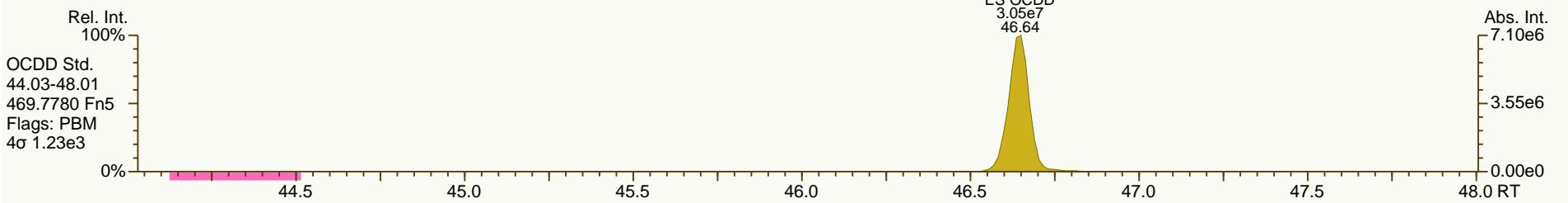
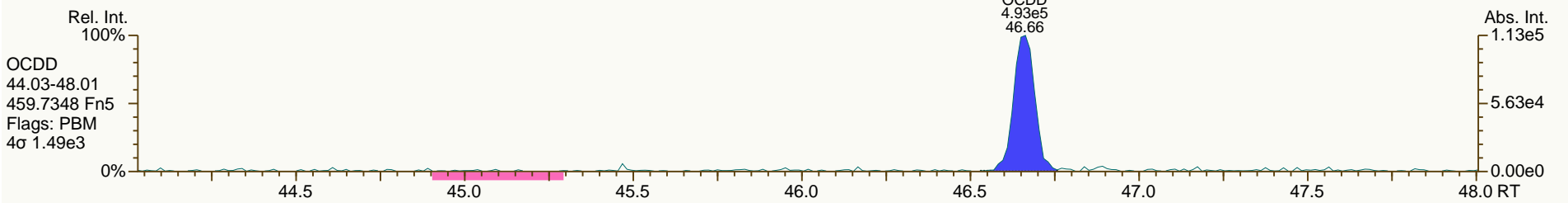
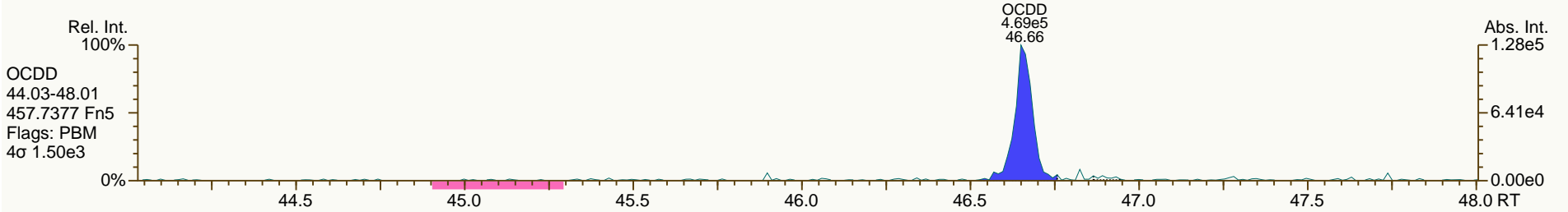
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SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

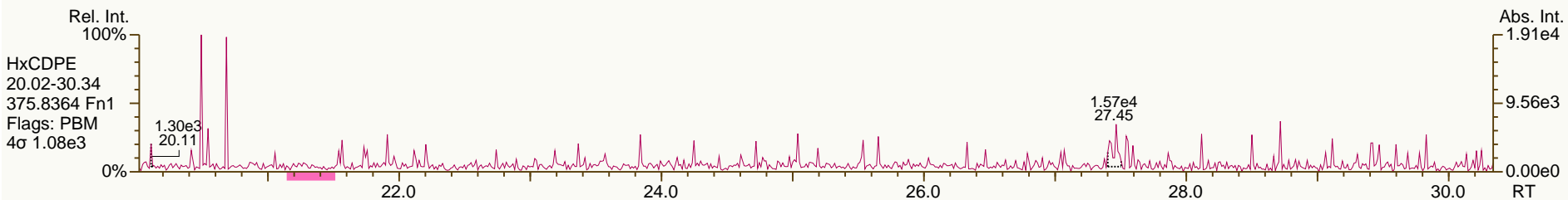
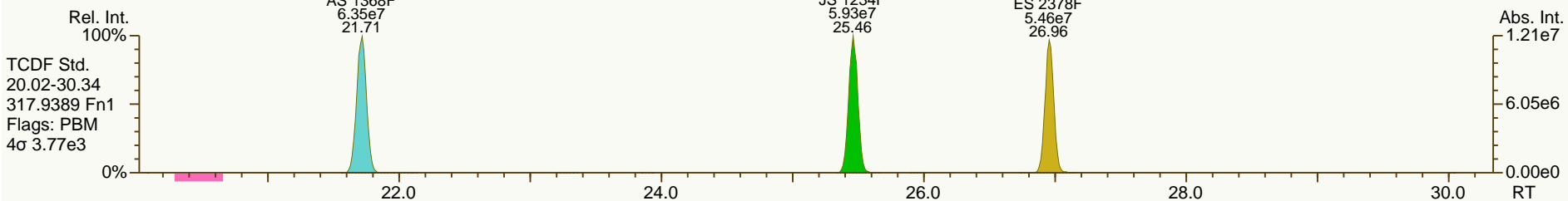
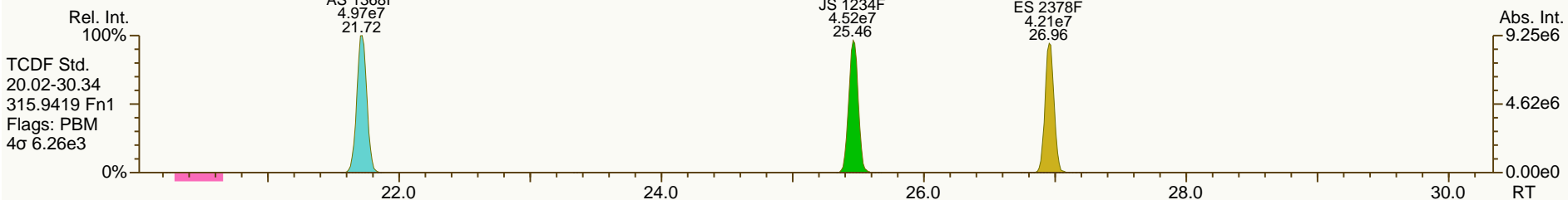
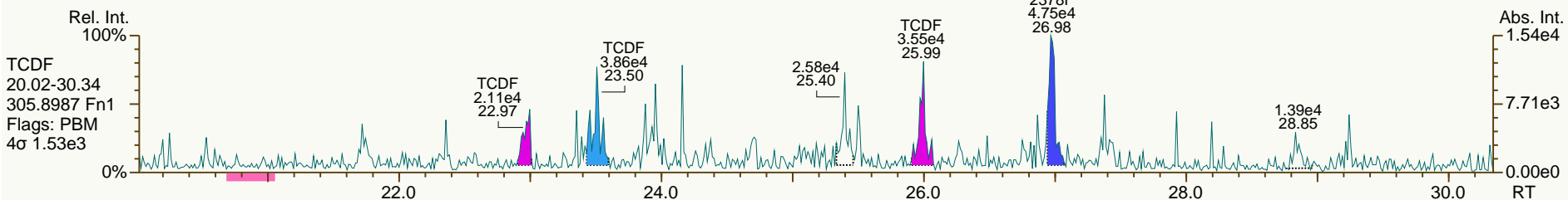
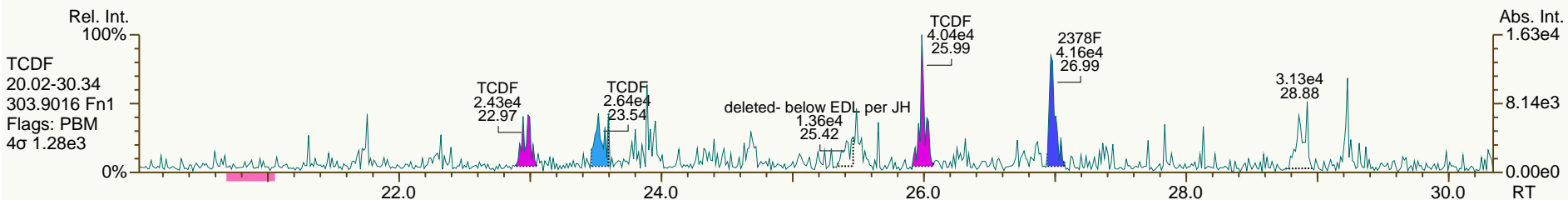
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

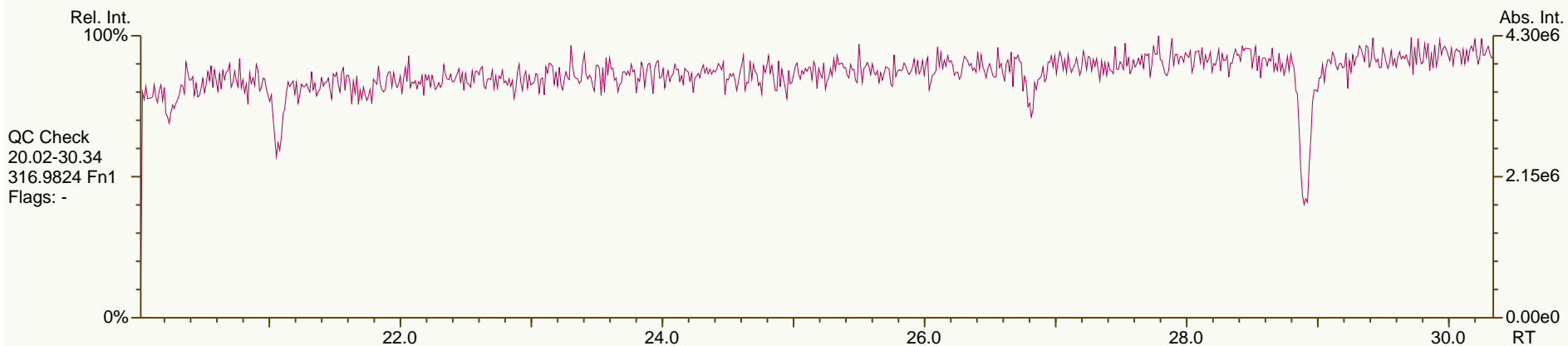
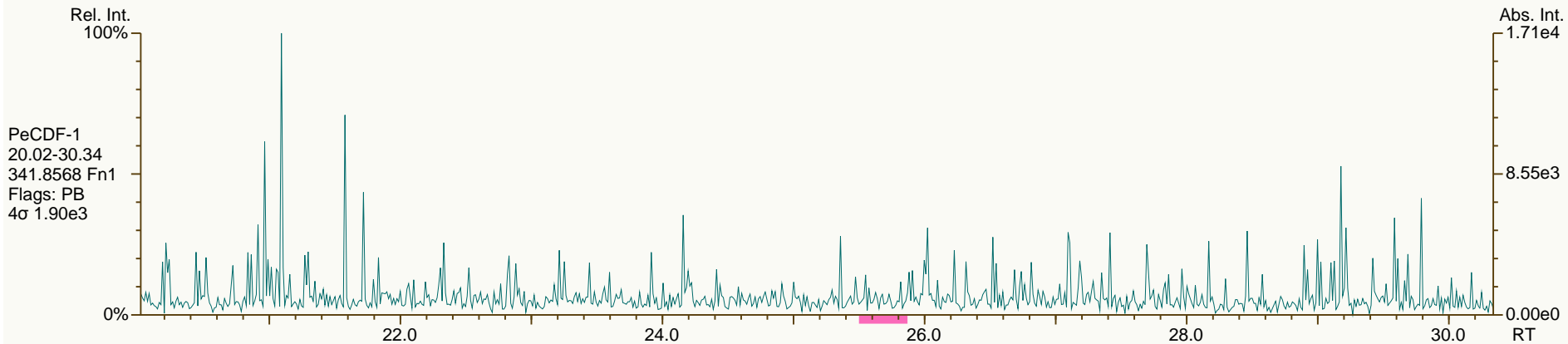
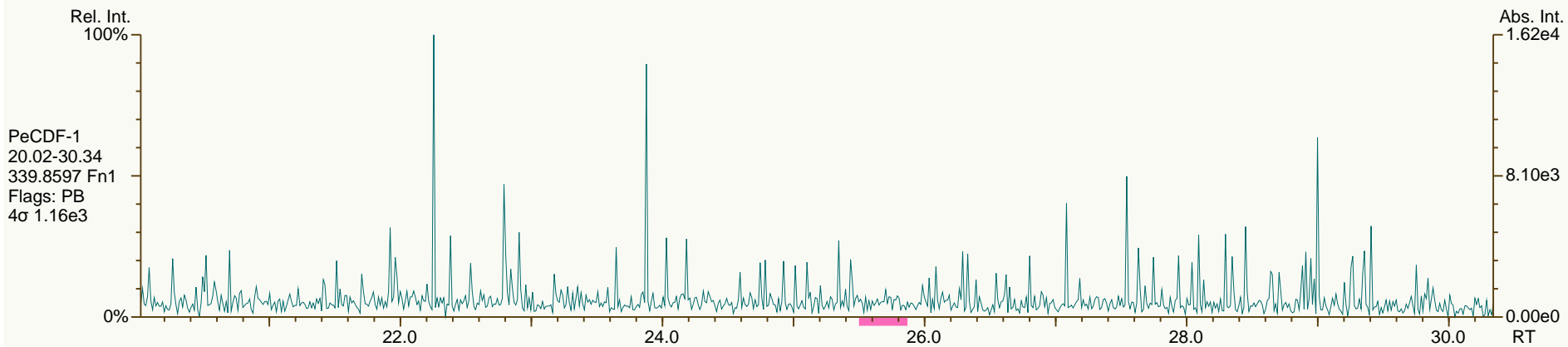
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

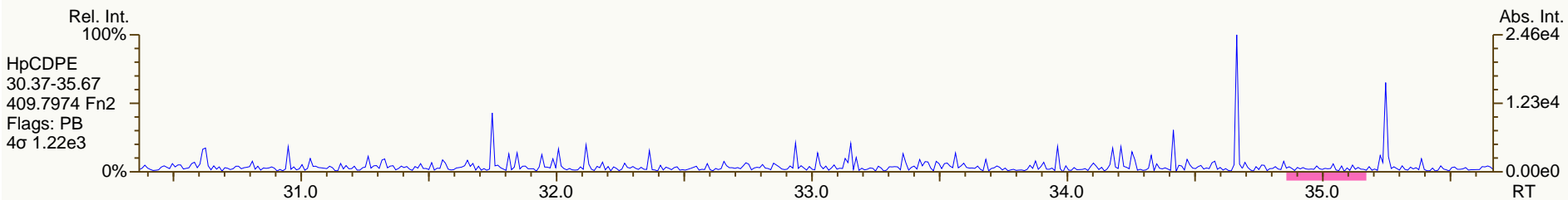
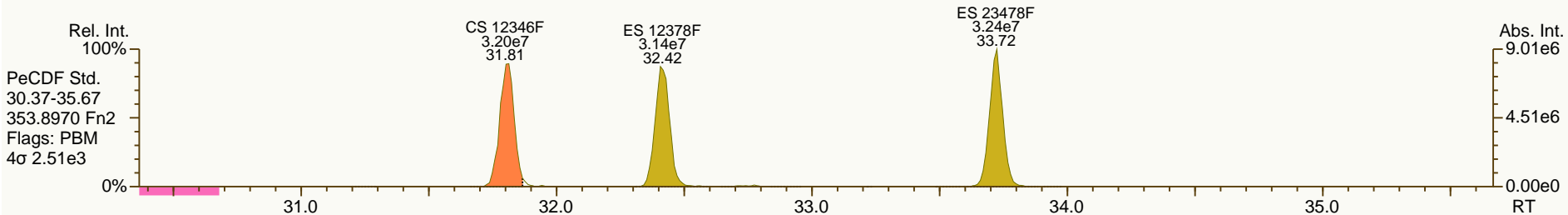
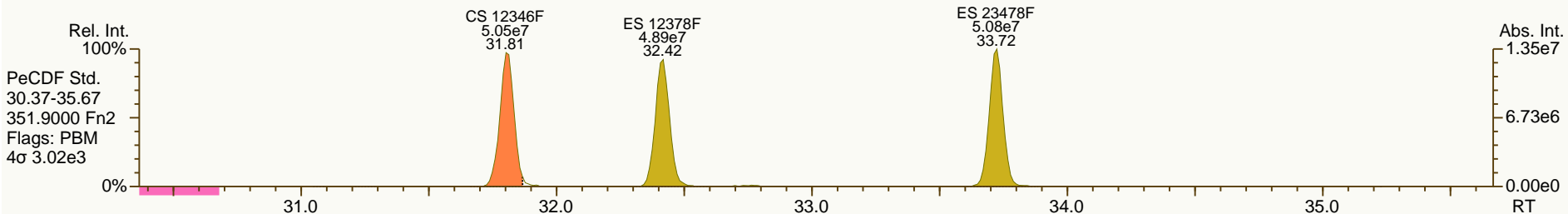
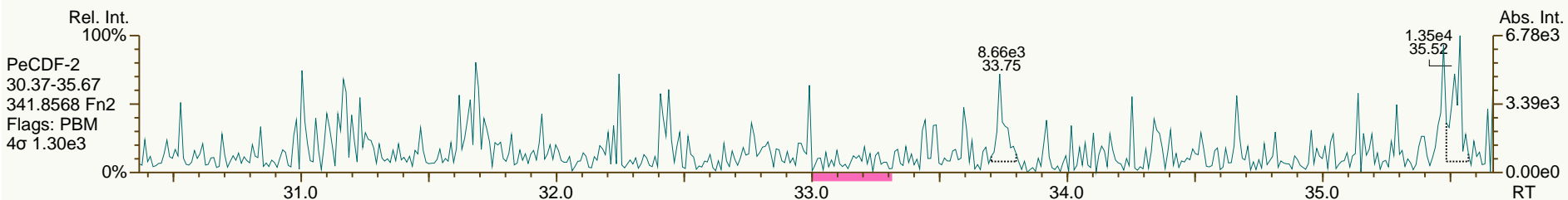
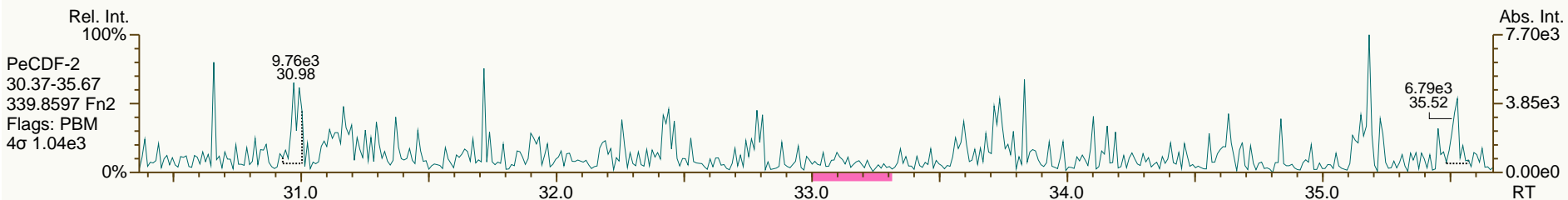
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

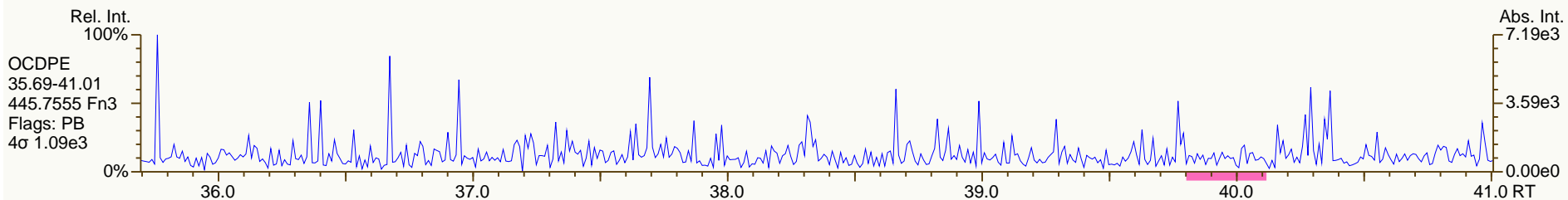
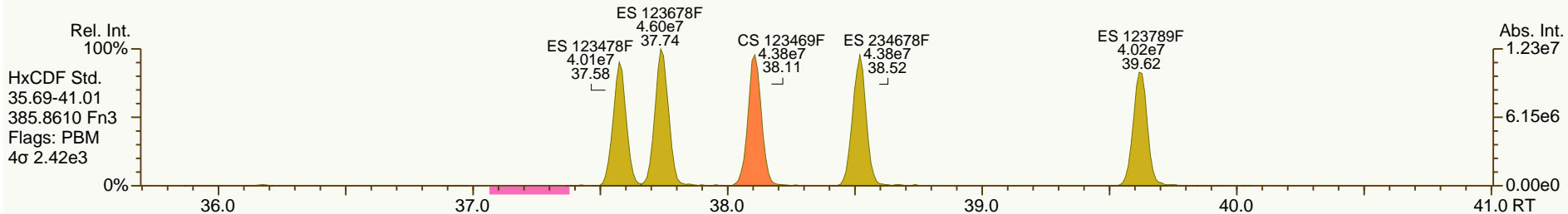
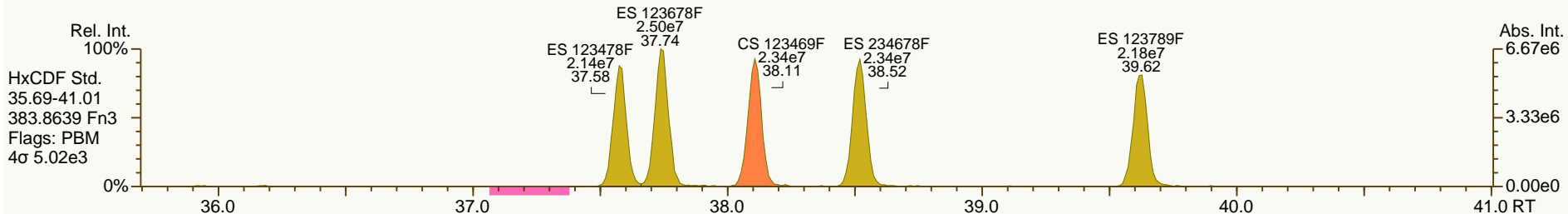
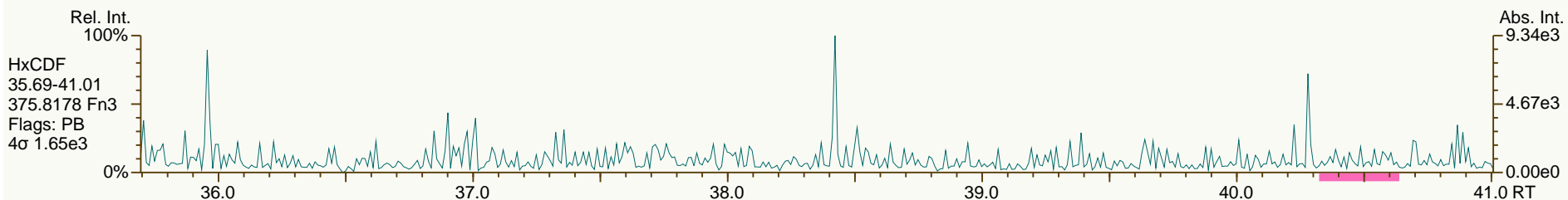
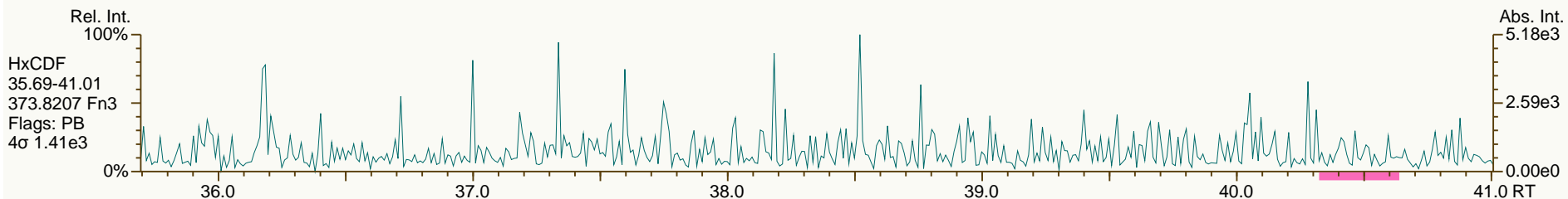
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

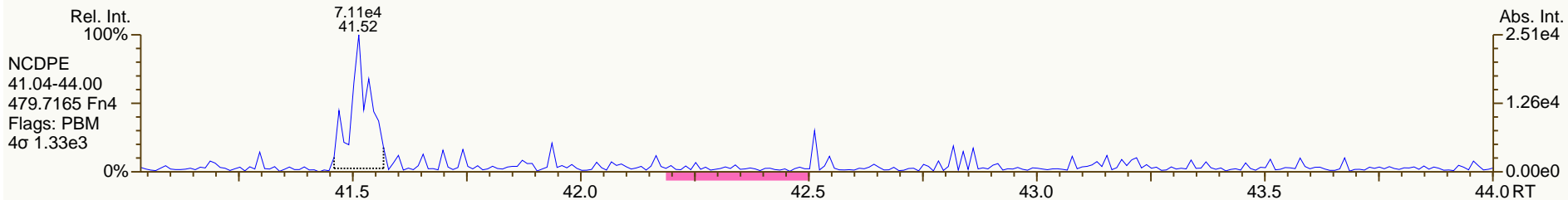
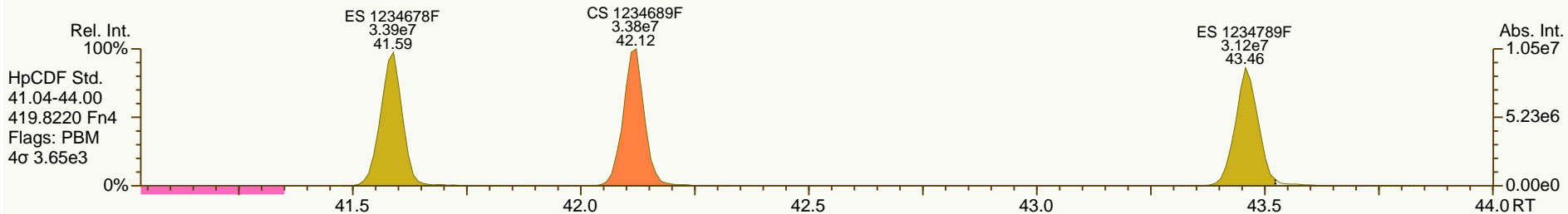
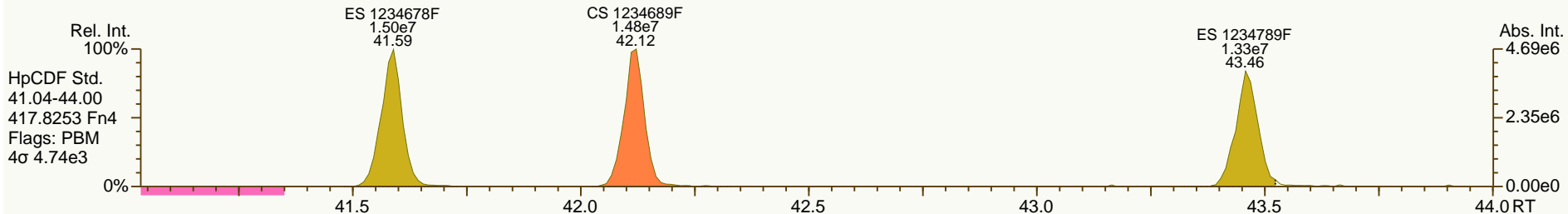
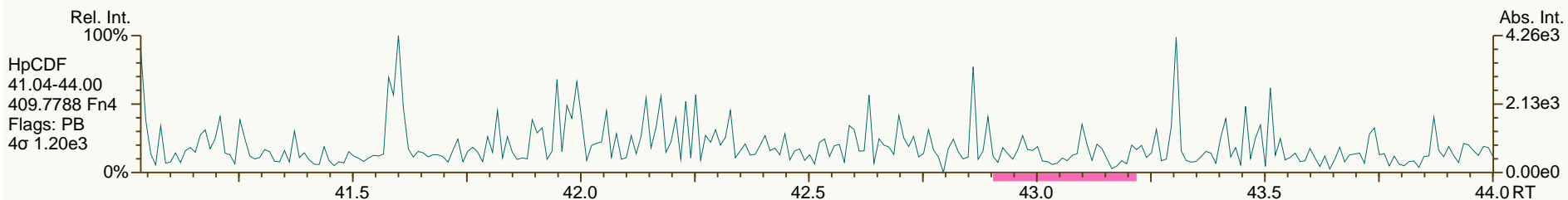
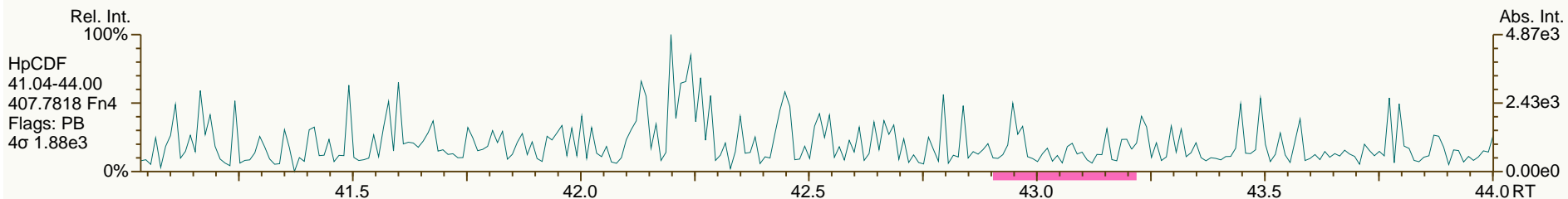
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SGS-AP ID: A5698_11123_DF_014
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

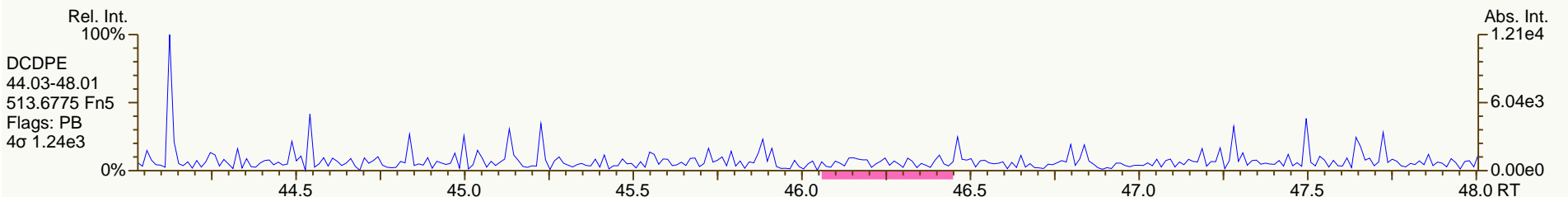
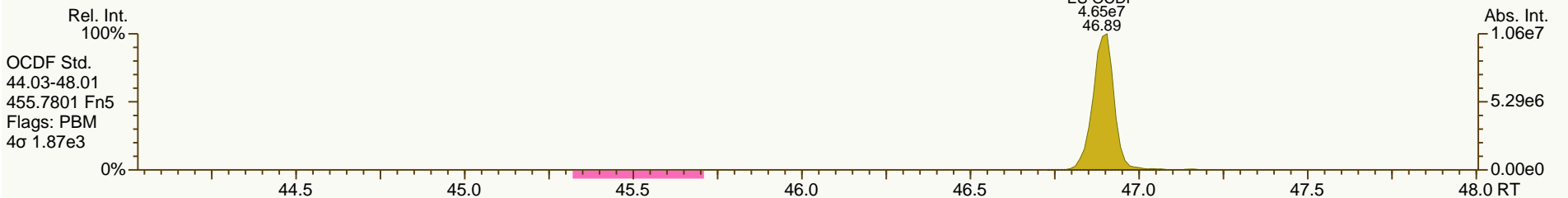
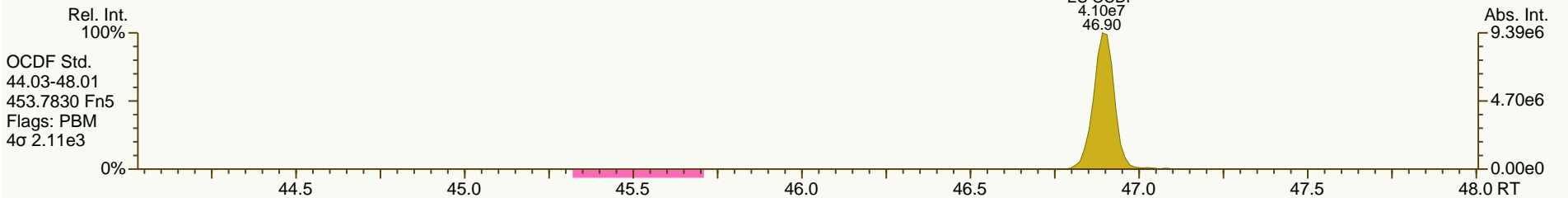
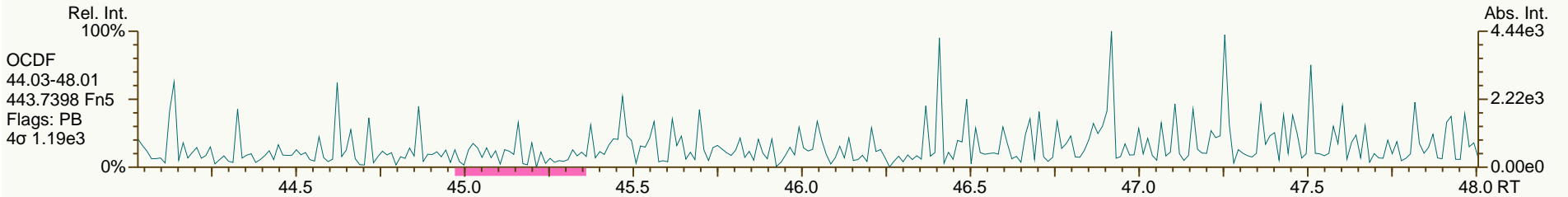
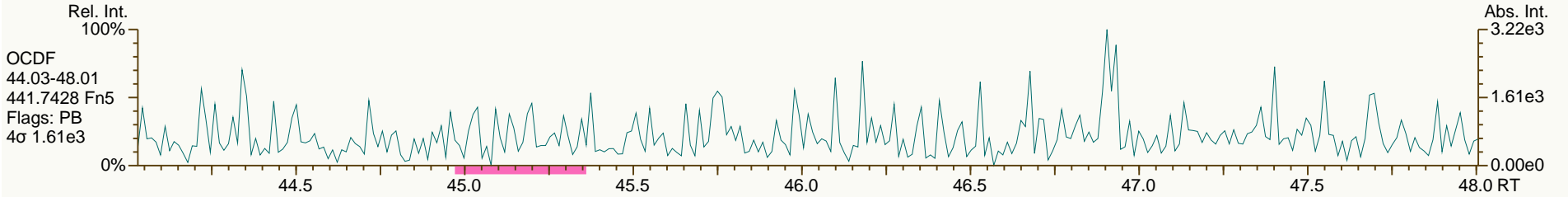
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SGS-AP ID: A5698_11123_DF_014
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA07-SC28-C-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 28

Acq: 19-JUL-2013 03:25:42
User: MDC Datafile: 130718P2-07



Lab ID: A5698_11123_DF_015

Acq'd: 19 Jul 2013 04:18 MDC

Wt/Vol: 8.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA09-SC36-A-130426

UTP: 20-Jul-2013 10:12 MDC

J-level: 0.625 pg/g

Split: 1

Checkcode: 610-725-QCT

Datafile: 130718P2-08

Report: 20 Jul 2013 10:12 MC

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37CI)

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12378-PeCDD	34.15		1.0006	1.0007	+0.2	2.16E+05	1.61	Y	0.94	1.06	2971	0.136
123478-HxCDD	38.75		1.0004	1.0004	0	1.85E+05	1.46	N	1.02	0.985	3619	0.193
123678-HxCDD	38.88		1.0039	1.0039	0	7.07E+05	1.24	Y	1.04	4	3619	0.213
123789-HxCDD	39.21		1.0125	1.0125	0	4.60E+05	1.20	Y	0.98	2.36	3619	0.19
1234678-HpCDD	42.86		1.0004	1.0003	-0.3	8.33E+06	1.01	Y	1.02	44.6	5738	0.295
OCDD	46.65		1.0003	1.0004	+0.3	4.31E+07	0.90	Y	1.08	308	3268	0.294
2378-TCDF	26.98		1.0009	1.0008	-0.2	1.20E+06	0.78	Y	0.97	3.44	3312	0.108
12378-PeCDF	32.43		1.0006	1.0006	0	3.07E+05	1.50	Y	1.00	0.976	3909	0.126
23478-PeCDF	33.75		1.0006	1.0010	+0.8	5.82E+05	1.61	Y	0.96	1.79	3909	0.118
123478-HxCDF	37.59		1.0005	1.0006	+0.2	2.74E+05	1.19	Y	1.23	0.941	4687	0.147
123678-HxCDF	37.75		1.0005	1.0005	0	2.48E+05	1.17	Y	1.14	0.833	4687	0.146
234678-HxCDF	38.53		1.0005	1.0004	-0.2	3.40E+05	1.38	Y	1.14	1.2	4687	0.165
123789-HxCDF	NotFnd		1.0005	-	-	-	-	-	1.13	-	4687	0.169
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	2.53E+06	1.10	Y	1.34	9.32	4297	0.147
1234789-HpCDF	43.47		1.0003	1.0002	-0.3	1.62E+05	1.05	Y	1.30	0.683	4297	0.178
OCDF	46.90		1.0004	1.0003	-0.3	2.78E+06	0.91	Y	1.00	15.6	3385	0.234

Name	Act RT	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.93	1.0268	1.0268	0	5.87E+07	0.80	Y	1.01	93.5
ES 12378-PeCDD	34.13	1.2541	1.2545	+0.7	5.43E+07	1.53	Y	0.90	97.4
ES 123478-HxCDD	38.73	0.9910	0.9910	0	4.57E+07	1.16	Y	0.99	92.6
ES 123678-HxCDD	38.86	0.9944	0.9944	0	4.26E+07	1.15	Y	1.02	83.7
ES 123789-HxCDD	39.20	1.0030	1.0030	0	4.96E+07	1.17	Y	1.12	89.4
ES 1234678-HpCDD	42.84	1.0959	1.0962	+0.7	4.57E+07	1.06	Y	0.90	102
ES OCDD	46.63	1.1930	1.1932	+0.5	6.48E+07	0.92	Y	0.74	87.9
ES 2378-TCDF	26.96	1.0586	1.0586	0	8.98E+07	0.74	Y	1.05	89.8
ES 12378-PeCDF	32.41	1.2725	1.2728	+0.5	7.89E+07	1.57	Y	0.88	94.6
ES 23478-PeCDF	33.72	1.3237	1.3241	+0.6	8.40E+07	1.54	Y	0.91	97.3
ES 123478-HxCDF	37.57	0.9613	0.9613	0	5.89E+07	0.54	Y	1.25	94.6
ES 123678-HxCDF	37.73	0.9655	0.9655	0	6.57E+07	0.54	Y	1.40	94.3
ES 234678-HxCDF	38.51	0.9853	0.9854	+0.2	6.18E+07	0.55	Y	1.29	95.9
ES 123789-HxCDF	39.62	1.0136	1.0136	0	5.93E+07	0.54	Y	1.17	102
ES 1234678-HpCDF	41.58	1.0636	1.0638	+0.5	5.04E+07	0.45	Y	1.03	98.6
ES 1234789-HpCDF	43.46	1.1117	1.1119	+0.5	4.57E+07	0.44	Y	0.89	104
ES OCDF	46.88	1.1993	1.1996	+0.7	8.91E+07	0.89	Y	1.00	89.5

Lab ID: A5698_11123_DF_015

Acq'd: 19 Jul 2013 04:18 MDC

Wt/Vol: 8.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: JW-EA09-SC36-A-130426

UTP: 20-Jul-2013 10:12 MDC

J-level: 0.625 pg/g Split: 1

Checkcode: 610-725-QCT

Datafile: 130718P2-08

Report: 20 Jul 2013 10:12 MC

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000, 800 (37Cl)

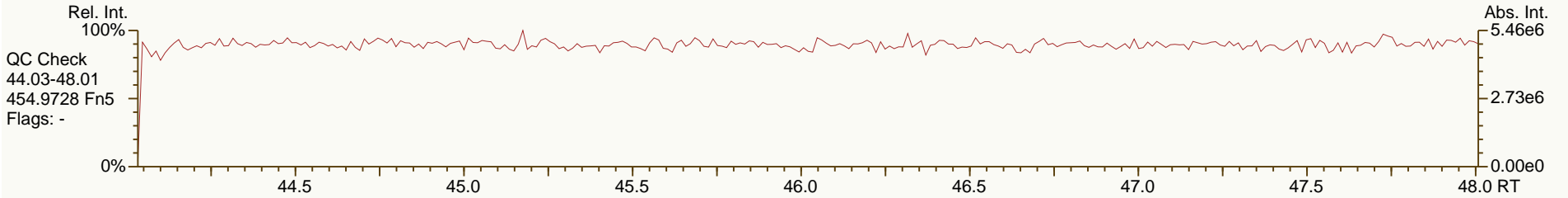
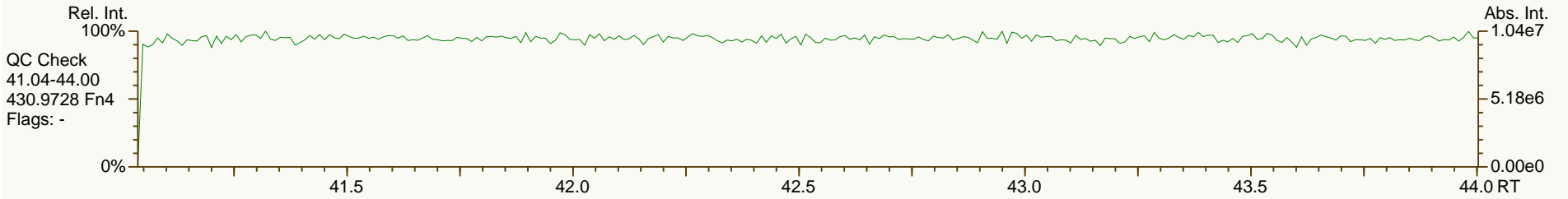
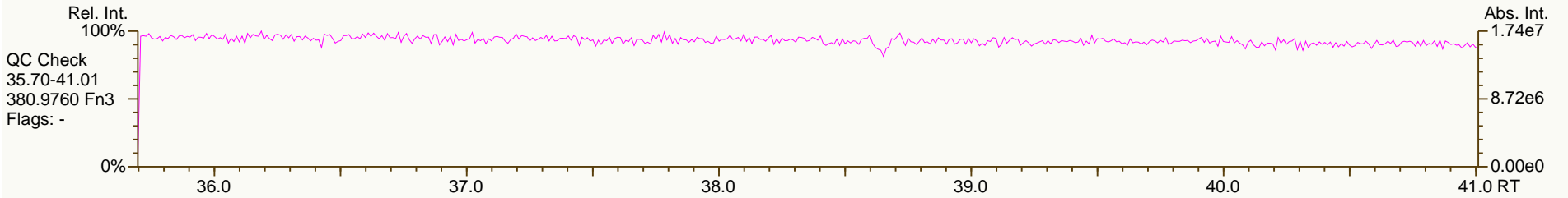
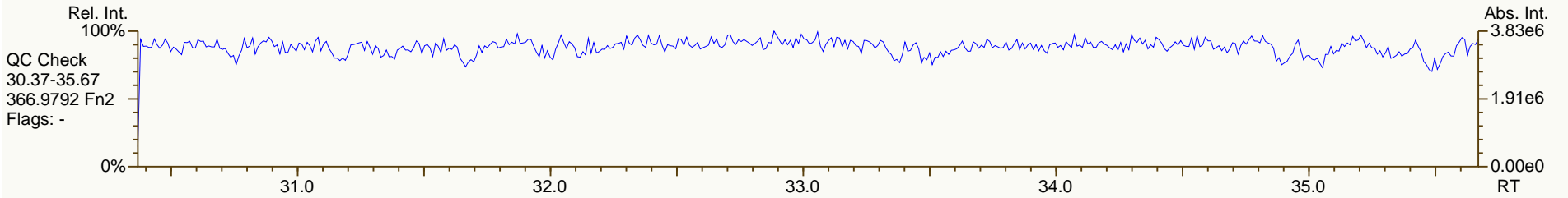
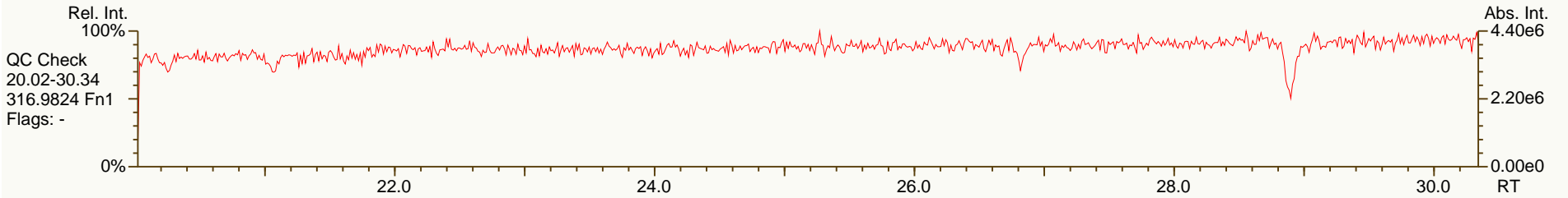
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JS 1234-TCDD	27.20		-	-	-	6.21E+07	0.82	Y	-	-
JS 1234-TCDF	25.46		-	-	-	9.49E+07	0.72	Y	-	-
JS 123467-HxCDD	39.08		-	-	-	2.49E+07	1.14	Y	-	-
CS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.60E+07	n/a	-	1.10	95.1
CS 12347-PeCDD	33.54		1.2327	1.2329	+0.3	5.68E+07	1.60	Y	0.79	115
CS 12346-PeCDF	31.80		1.2486	1.2488	+0.3	8.61E+07	1.57	Y	0.87	105
CS 123469-HxCDF	38.10		0.9749	0.9749	0	6.44E+07	0.54	Y	1.21	107
CS 1234689-HpCDF	42.11		1.0773	1.0775	+0.5	4.77E+07	0.45	Y	0.89	107
SS 37Cl-2378-TCDD	27.96		1.0277	1.0277	0	2.60E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.54		1.2327	1.2329	+0.3	5.68E+07	1.60	Y	0.89	118
SS 12346-PeCDF	31.80		1.2486	1.2488	+0.3	8.61E+07	1.57	Y	0.99	110
SS 123469-HxCDF	38.10		0.9749	0.9749	0	6.44E+07	0.54	Y	0.87	113
SS 1234689-HpCDF	42.11		1.0773	1.0775	+0.5	4.77E+07	0.45	Y	0.87	108
AS 1368-TCDD	23.91		0.8792	0.8789	-0.5	6.07E+07	0.78	Y	1.00	98
AS 1368-TCDF	21.72		0.8532	0.8528	-0.6	1.01E+08	0.79	Y	1.20	88.7
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC			
Total TCDD	45	45.8	* 37Cl correction has been applied to 2378-TCDD		
Total PeCDD	32.5	34	Original Values		Corrected Values
Total HxCDD	47.2	49.4	Ratio	0.57	0.70
Total HpCDD	96.1	96.1	Response	1.24E+05	1.08E+05
Total Tetra-Octa Dioxins	529	533			
Total TCDF	44.1	44.2			
Total PeCDF	18.5	20.4			
Total HxCDF	19.3	19.5			
Total HpCDF	25.3	25.3			
Total Tetra-Octa Furans	123	125			
Total Tetra-Octa Dioxins & Furans	652	658			

SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

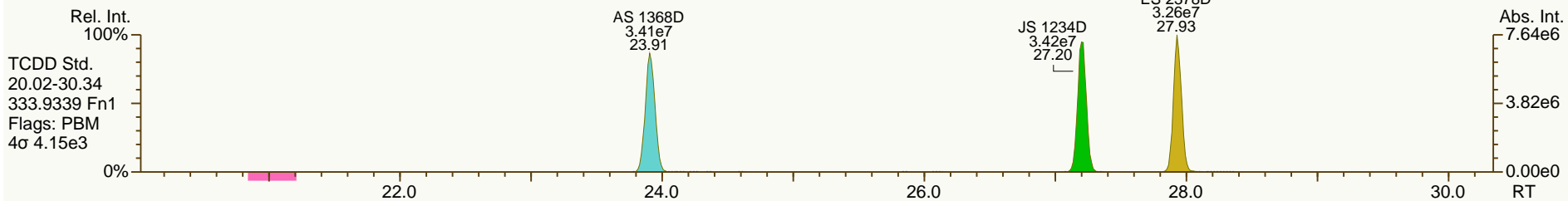
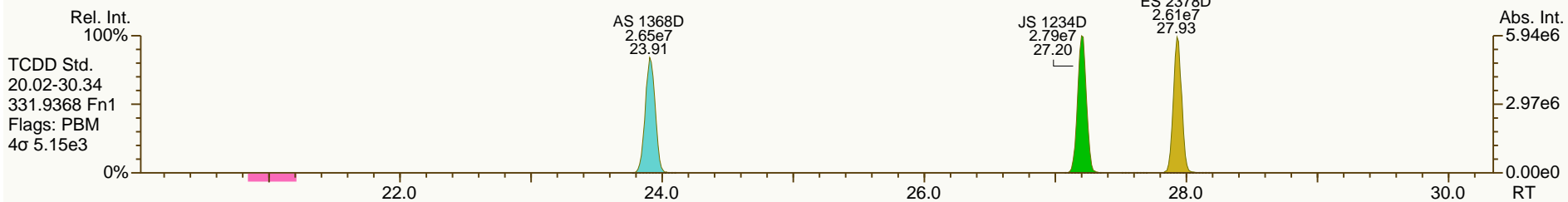
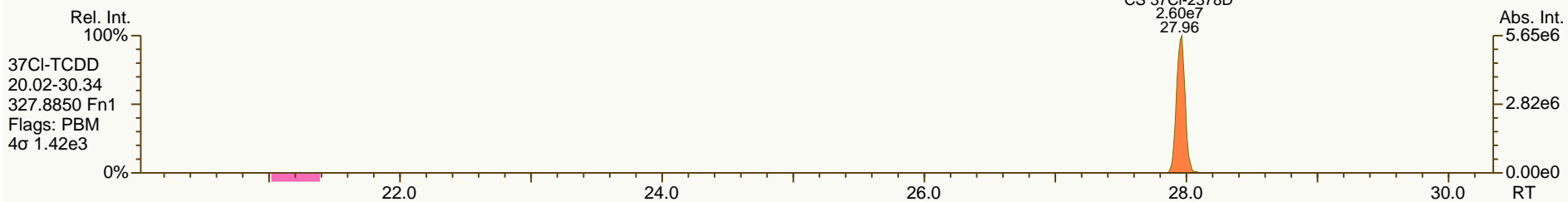
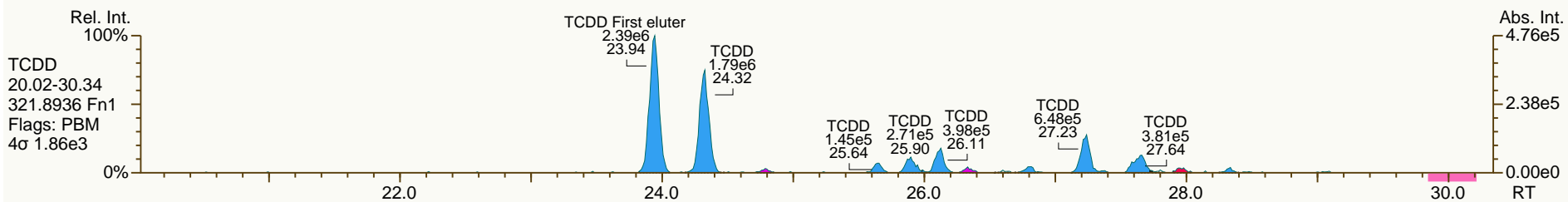
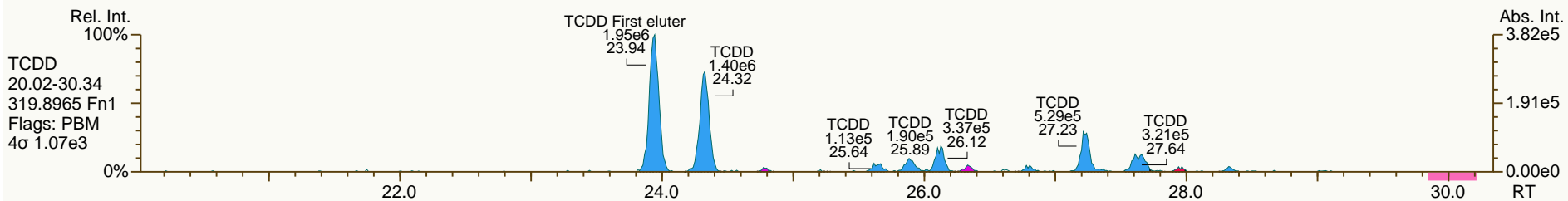
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

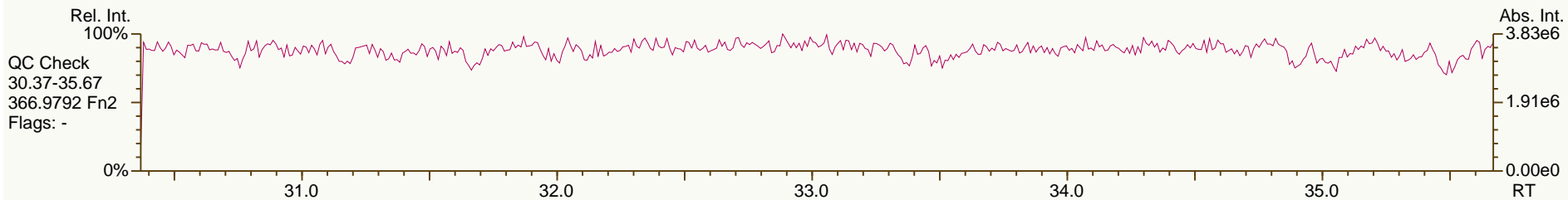
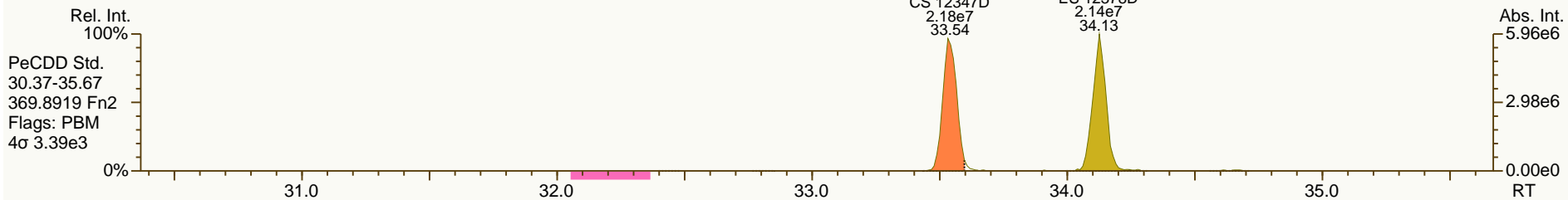
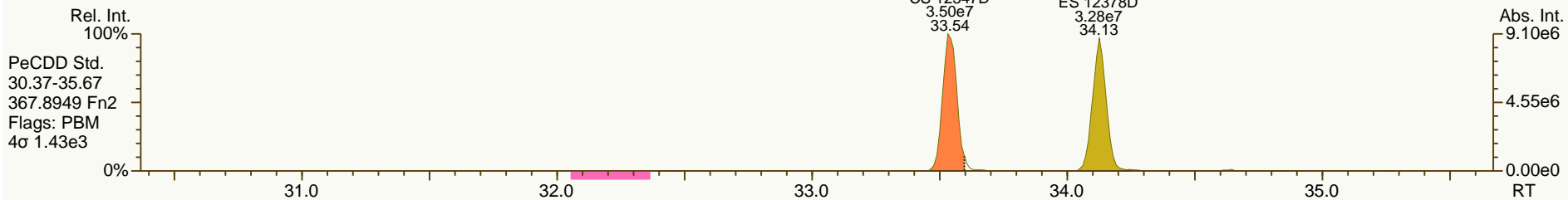
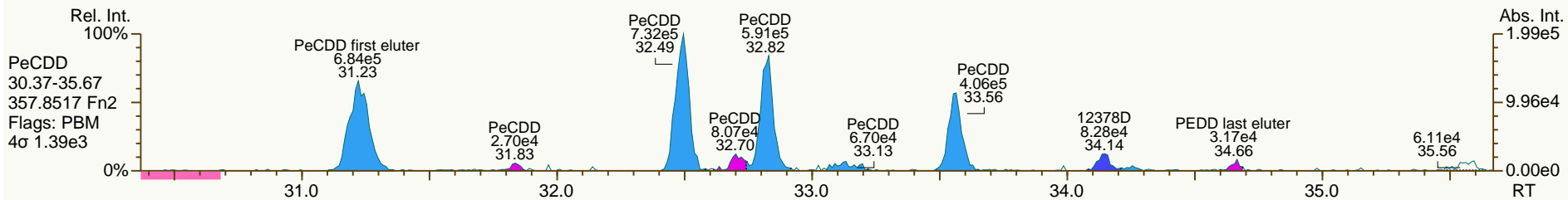
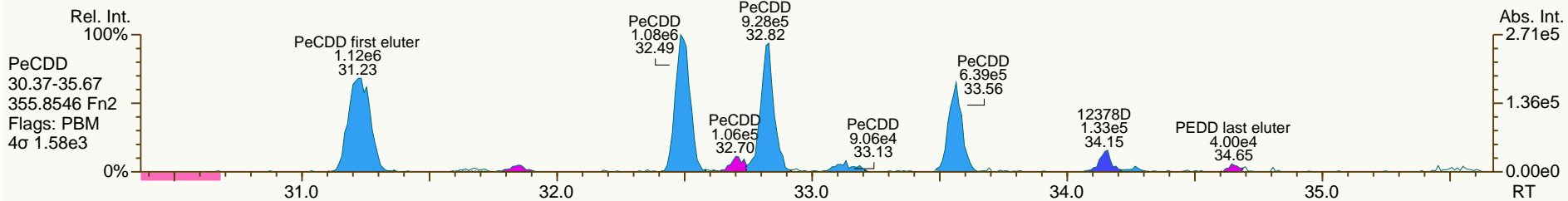
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

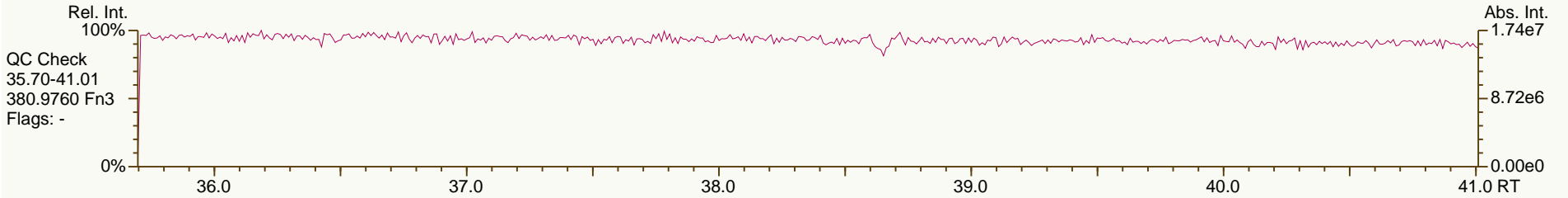
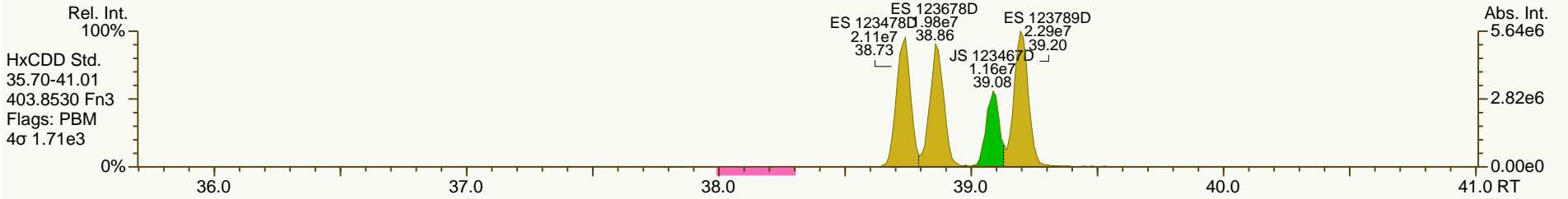
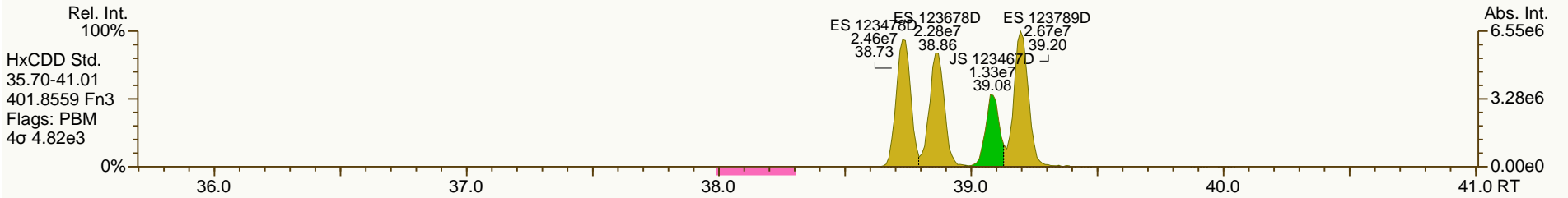
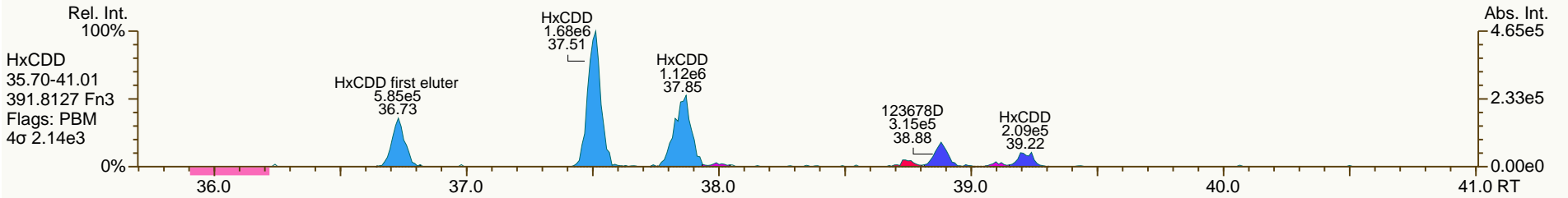
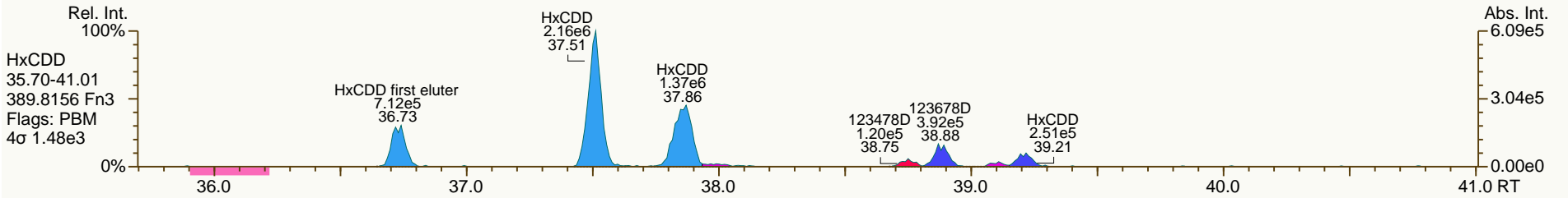
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

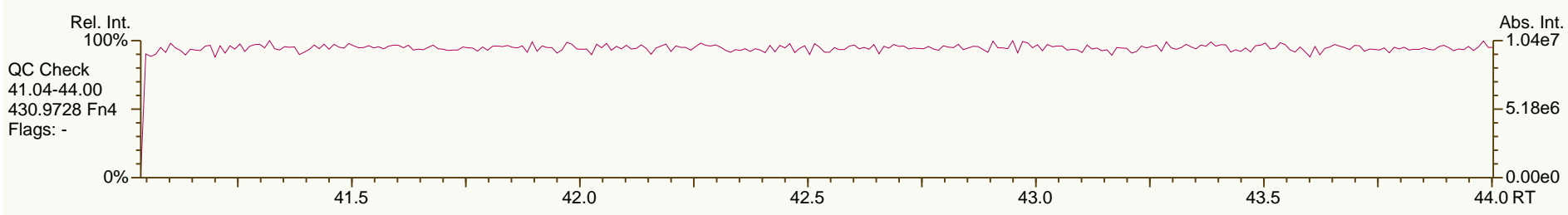
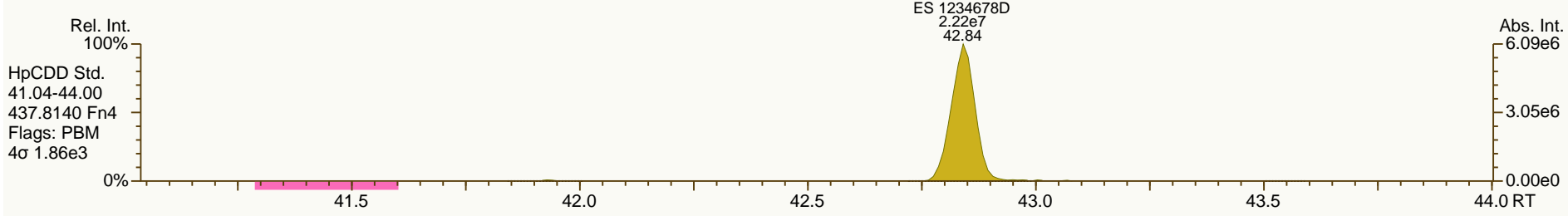
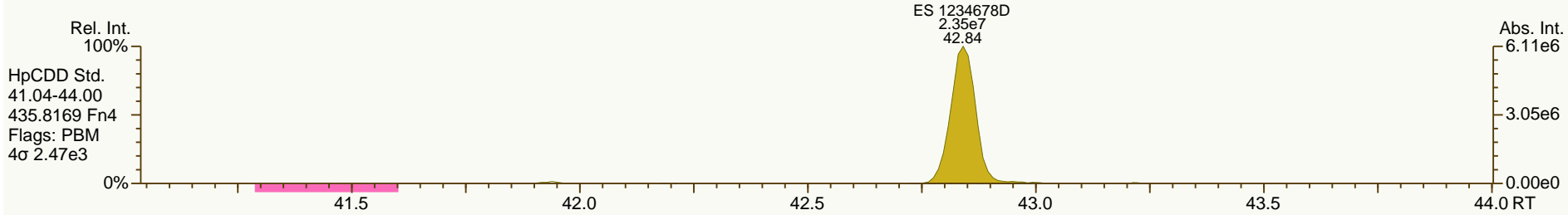
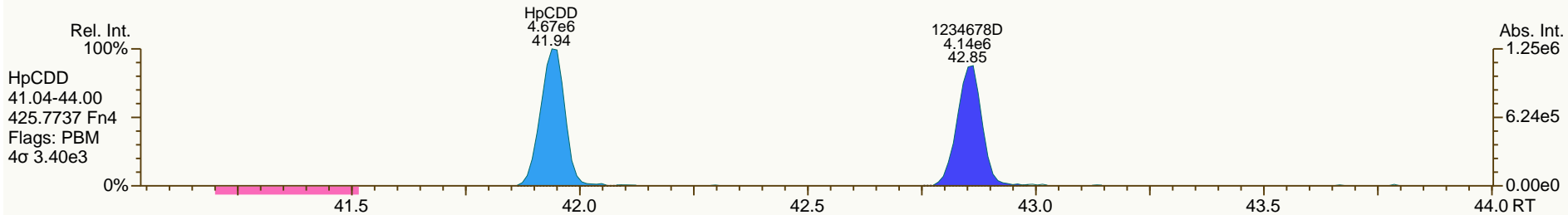
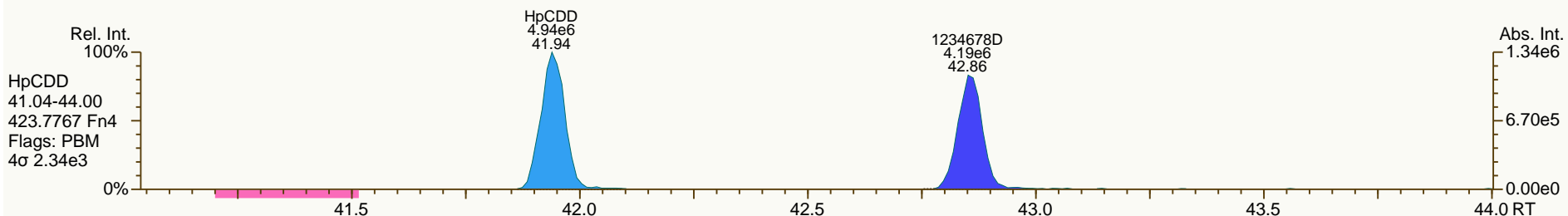
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

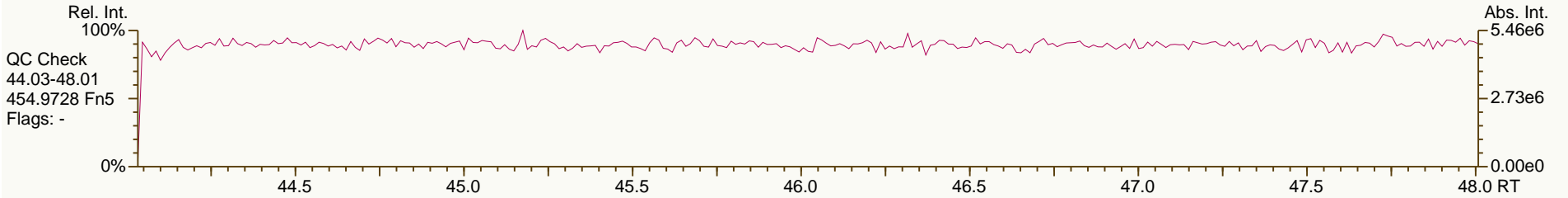
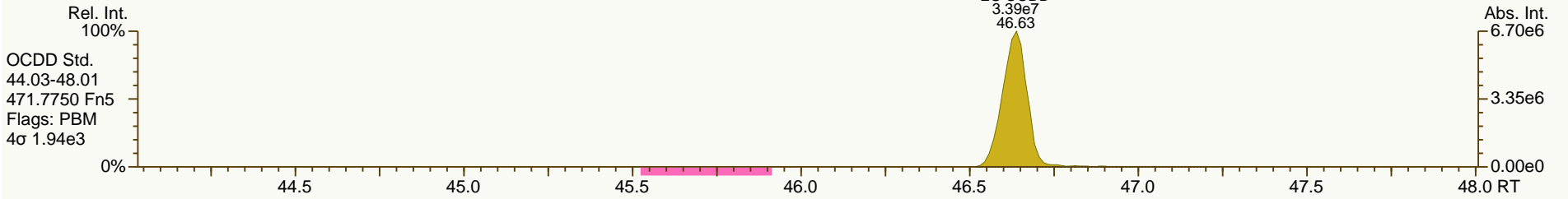
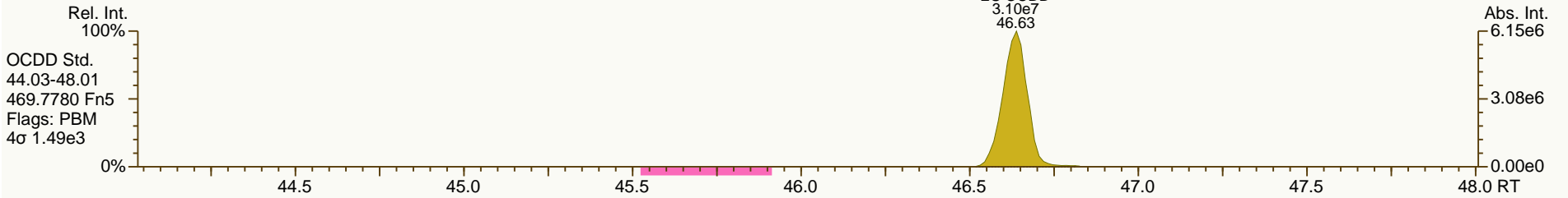
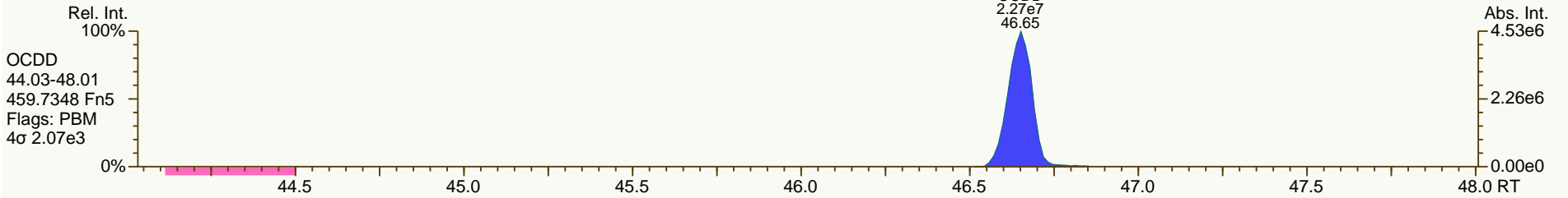
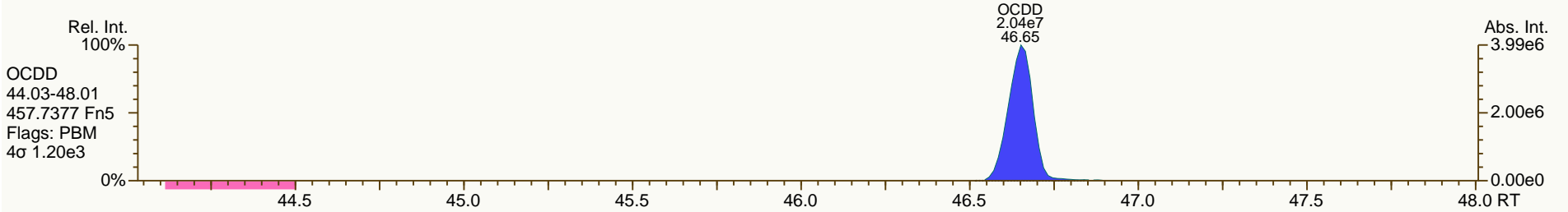
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SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

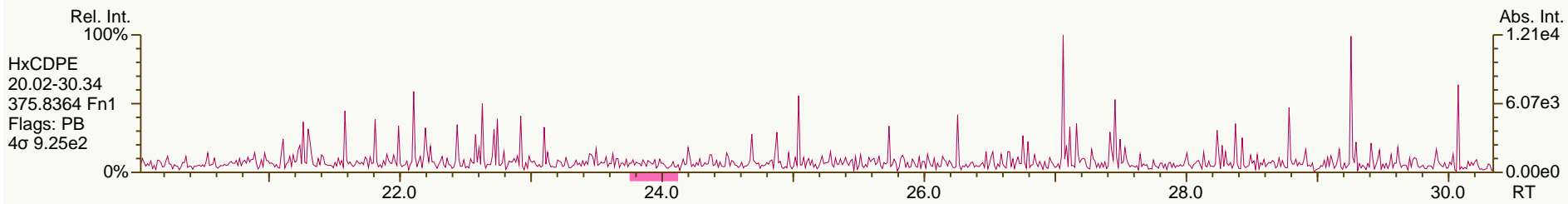
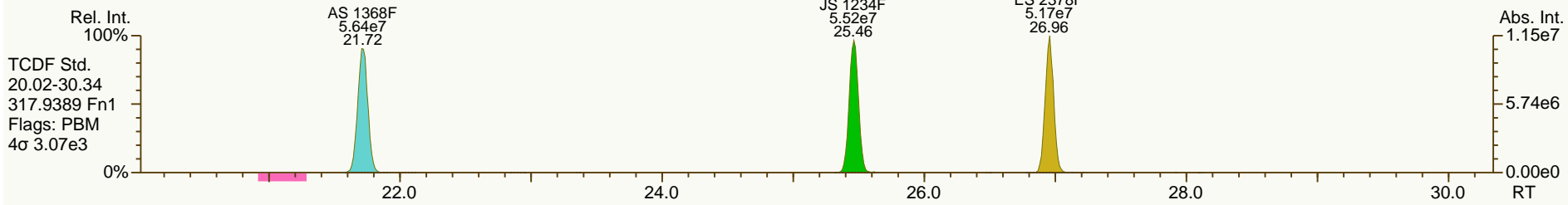
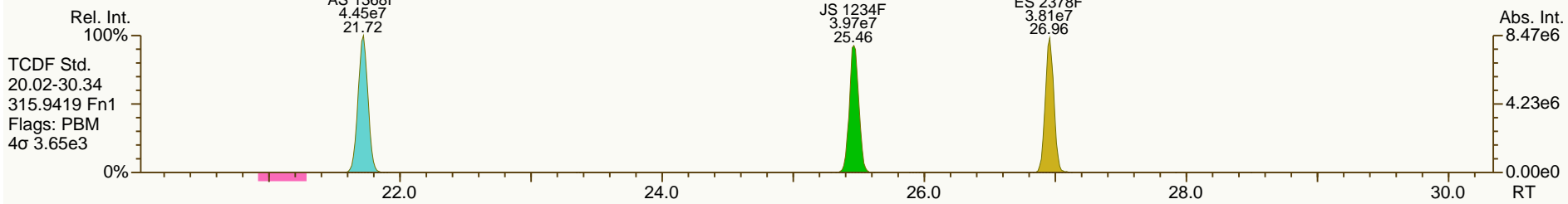
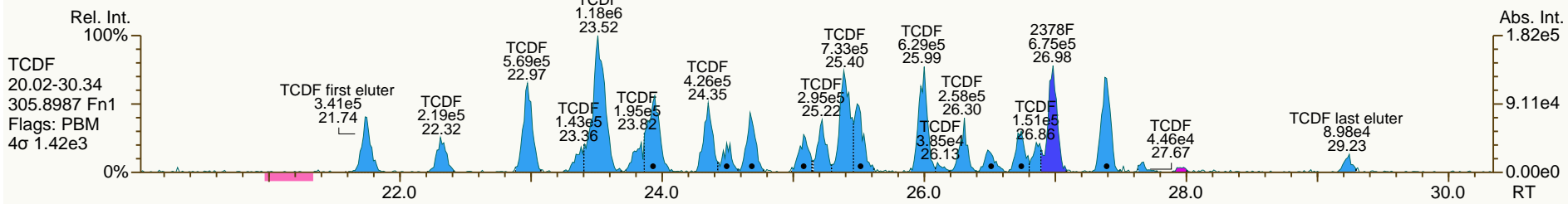
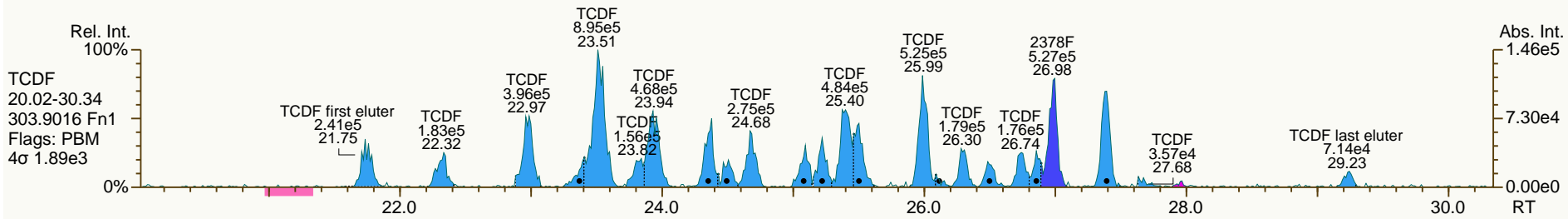
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

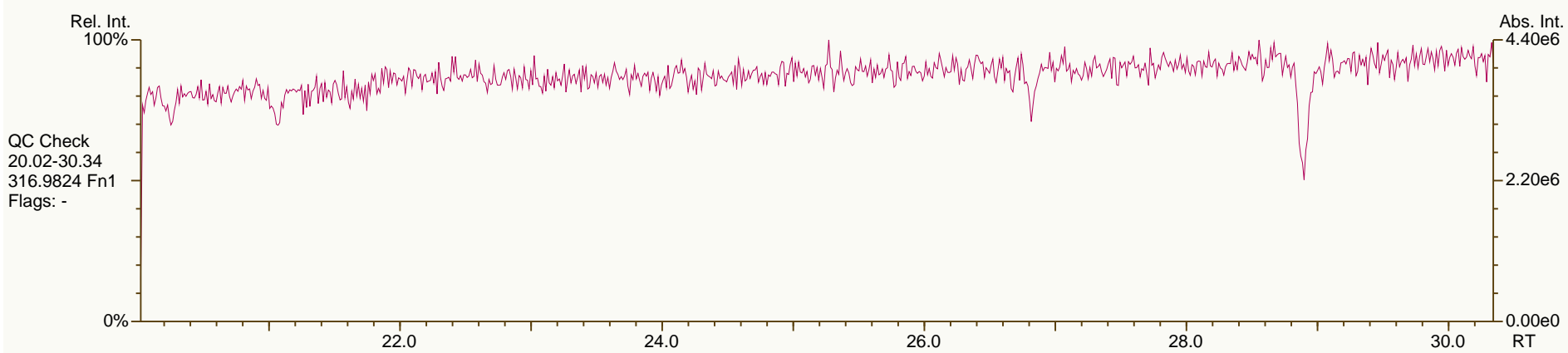
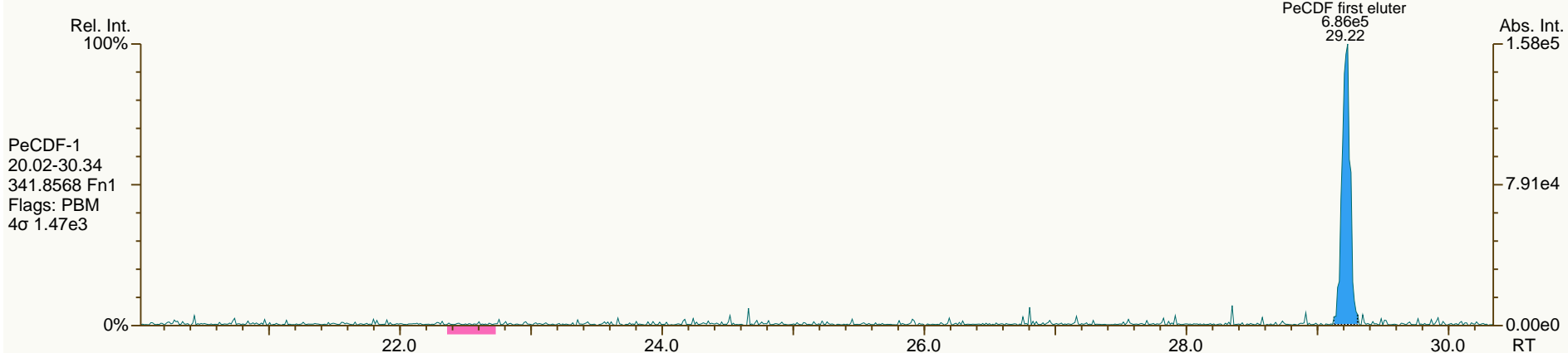
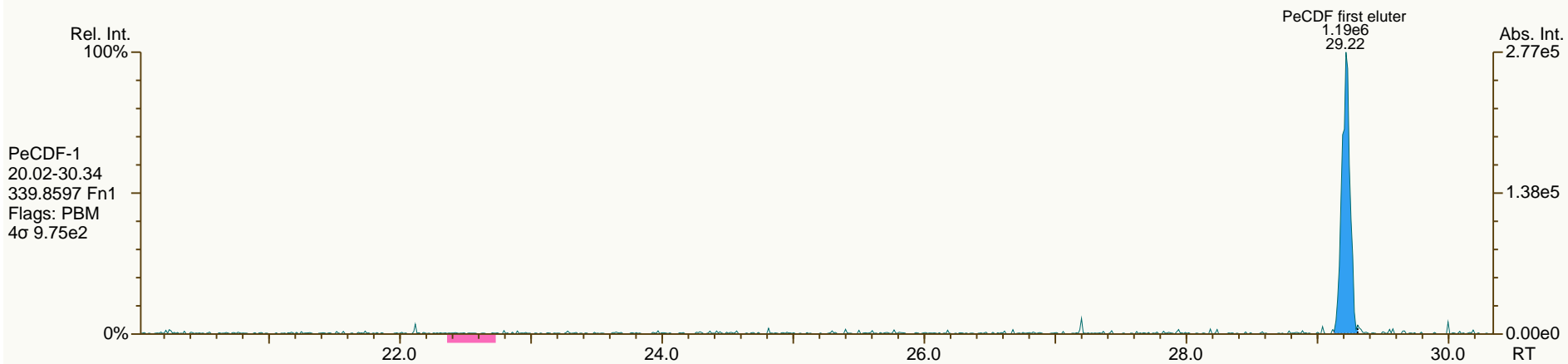
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

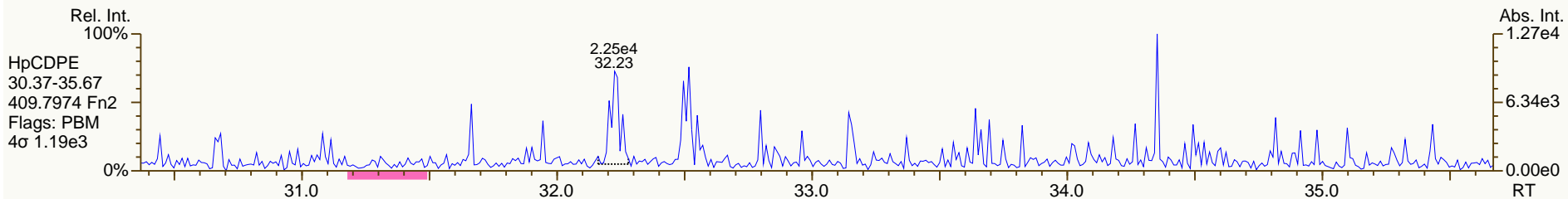
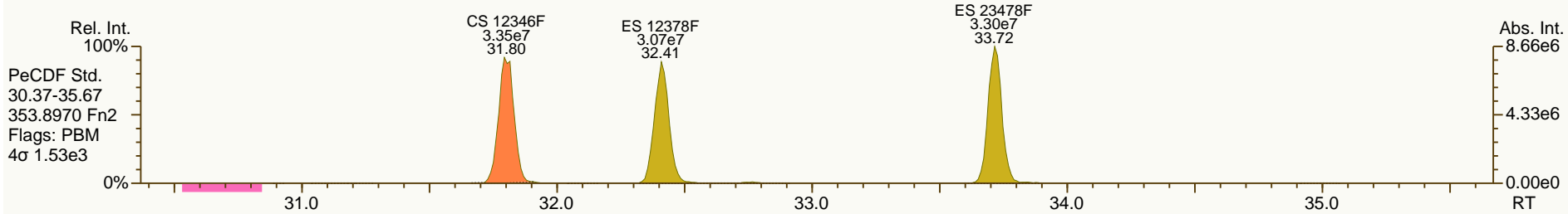
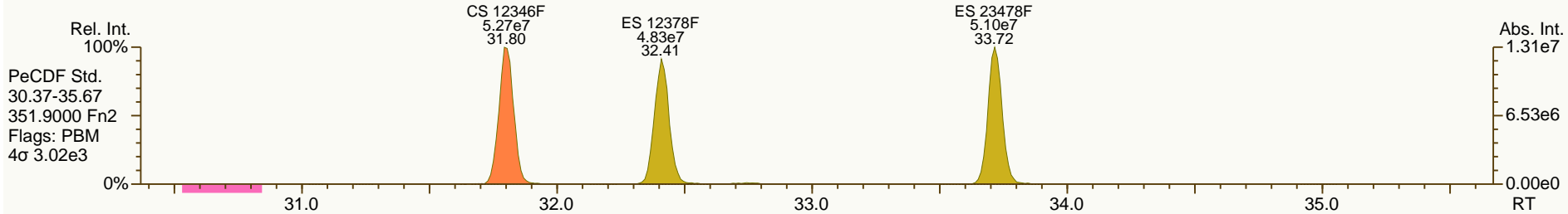
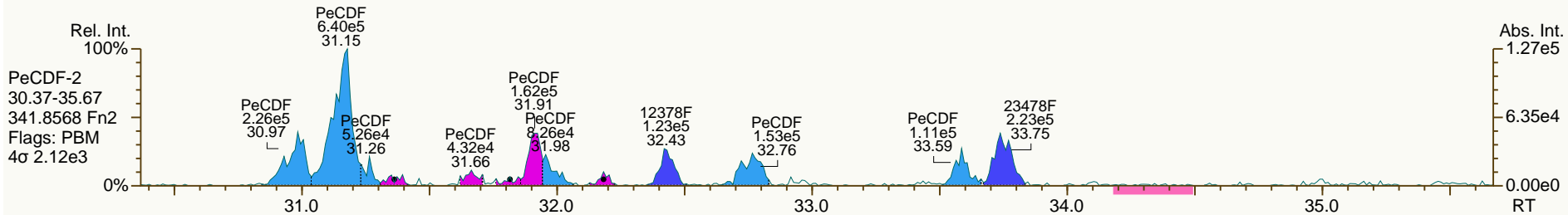
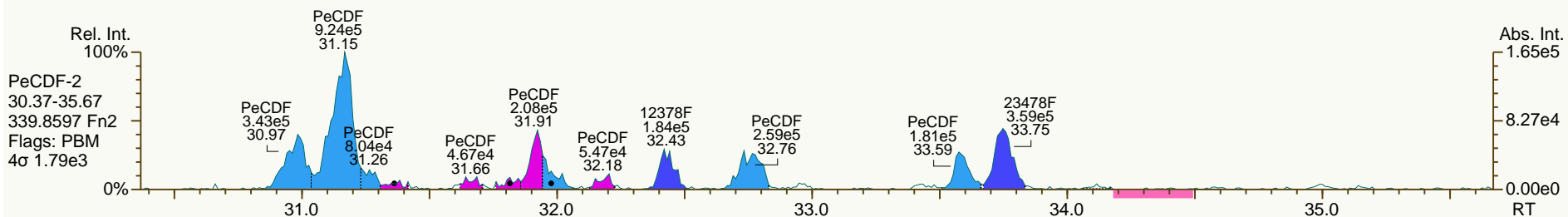
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

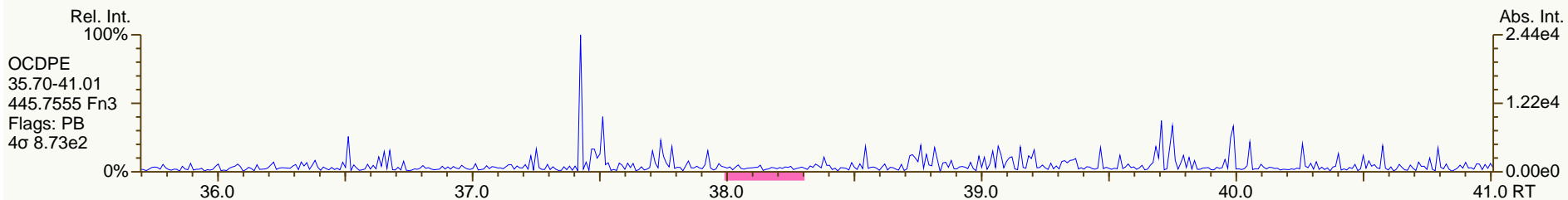
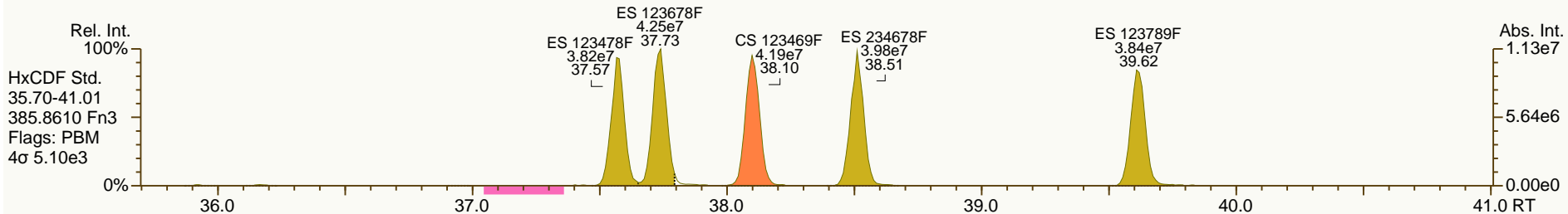
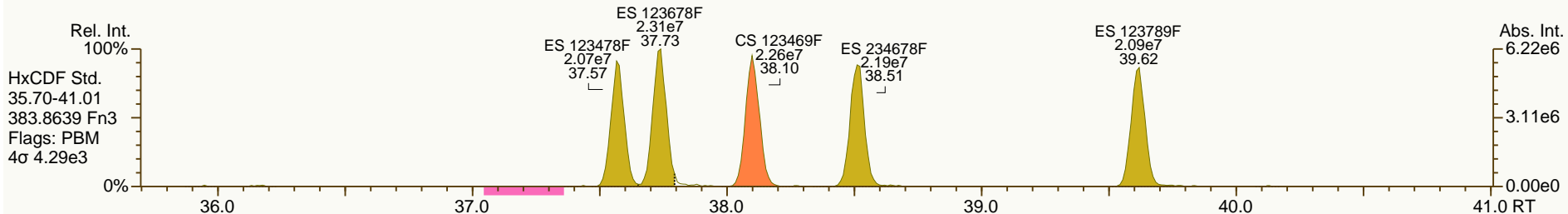
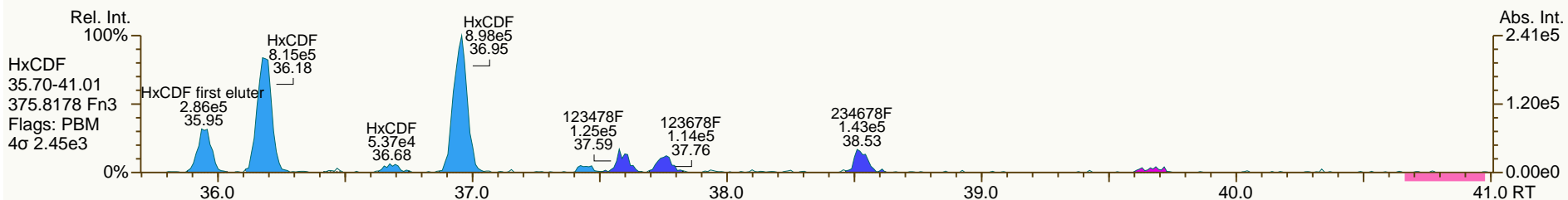
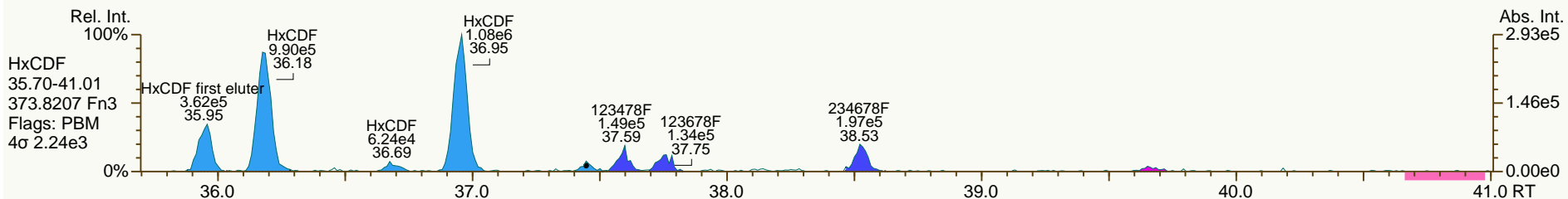
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SGS-AP ID: A5698_11123_DF_015
 Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

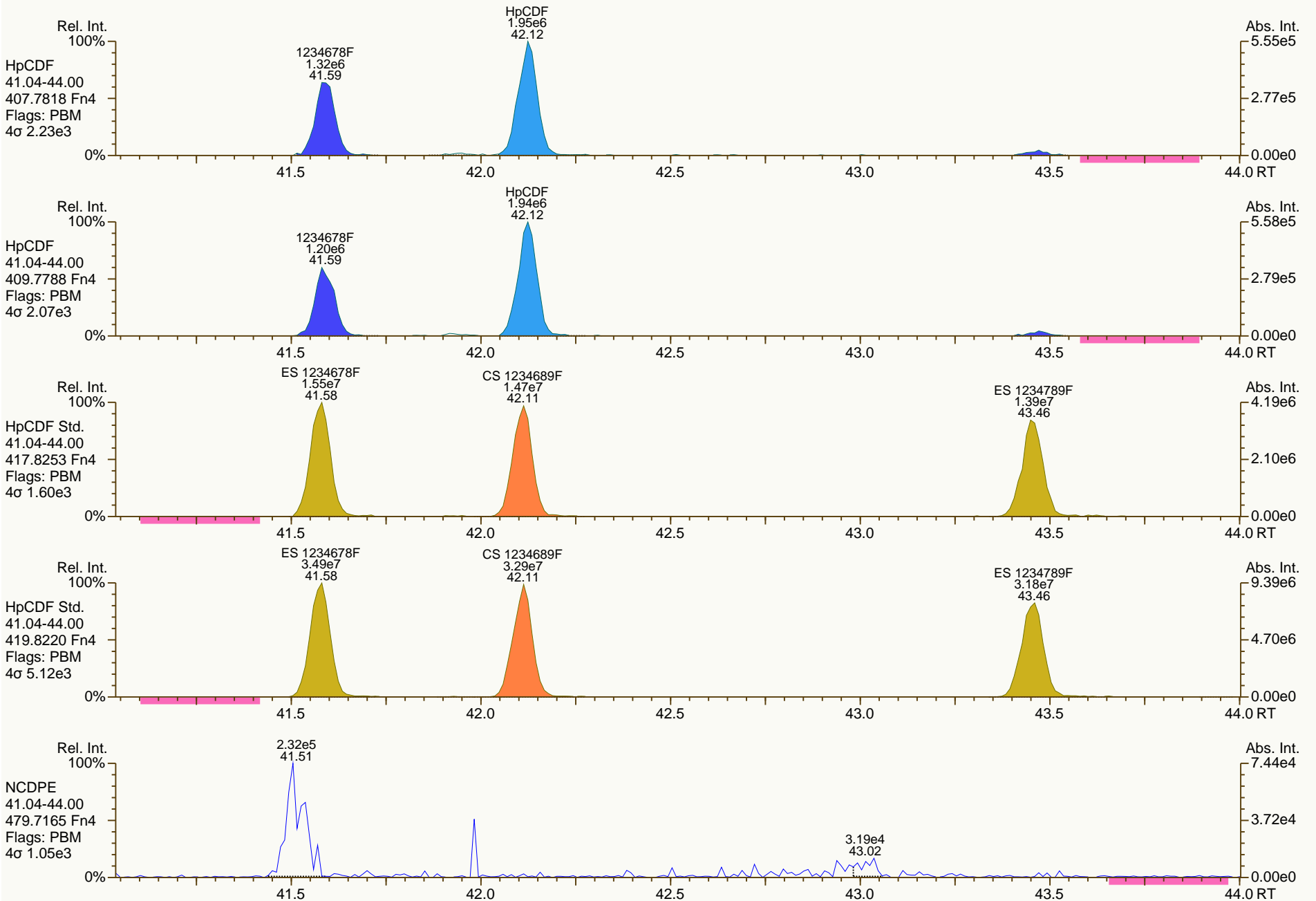
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SGS-AP ID: A5698_11123_DF_015
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Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

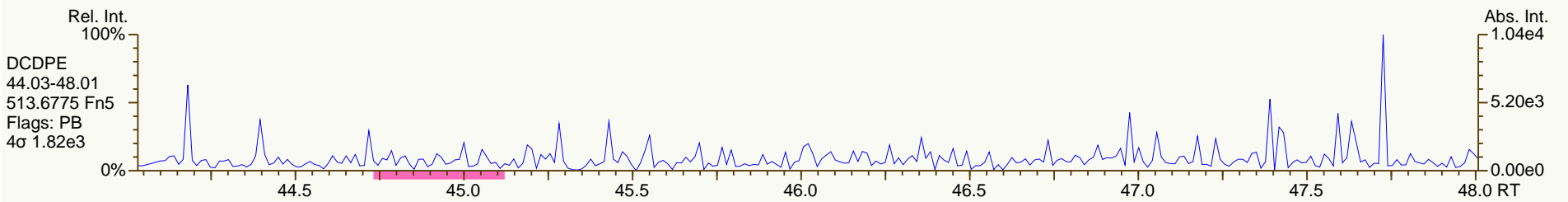
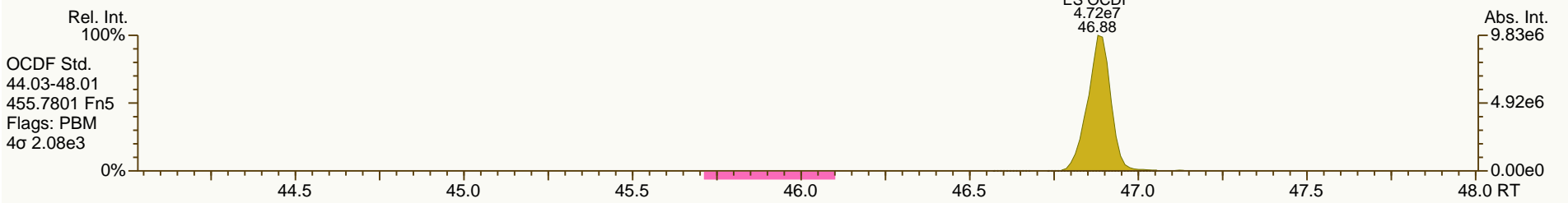
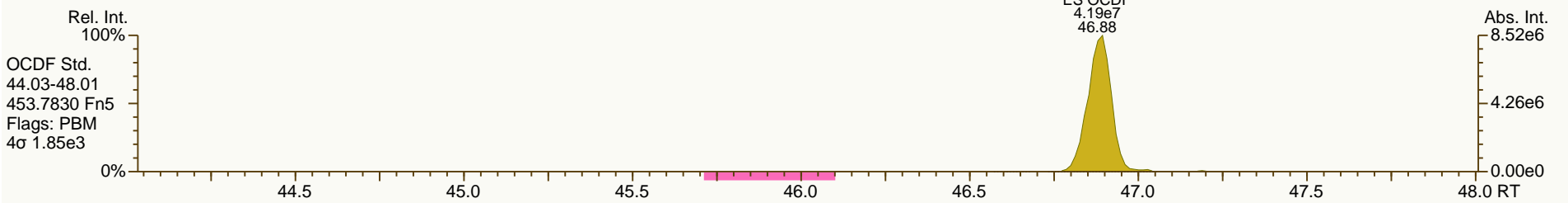
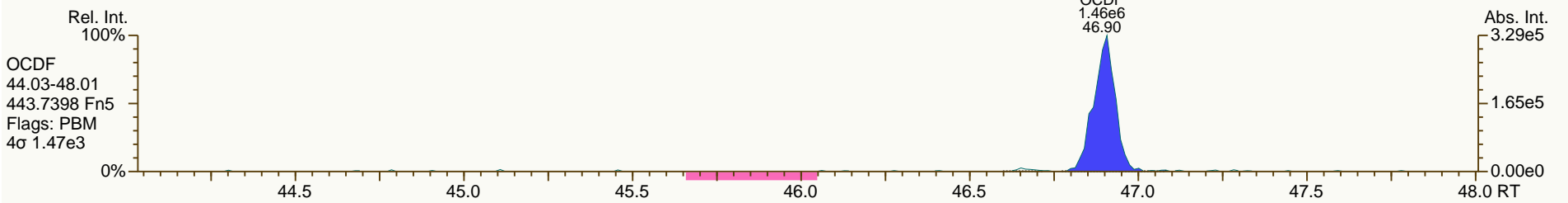
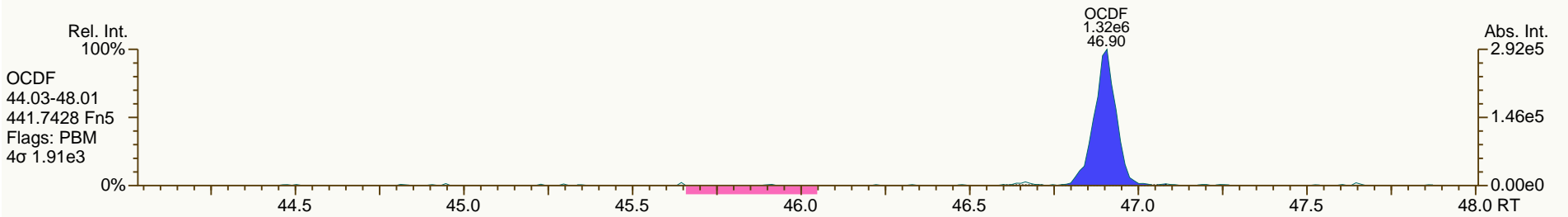
Acq: 19-JUL-2013 04:18:16
User: MDC Datafile: 130718P2-08



SGS-AP ID: A5698_11123_DF_015
Instr: AutoSpec-Ultima MM1

Sample ID: JW-EA09-SC36-A-130426
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 29

Acq: 19-JUL-2013 04:18:16
User: MDC Datafile: 130718P2-08





SGS Analytical Perspectives — Run Log

Project: A5698_11123_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130719V07	3	CS3_130719_PCB_VB	1.00	SIL 12-65-1	JLJ, LKB	618-558	19-Jul-2013	12:51:11
3	130719V08	12	OPR1_11123_PCB-RJ	1.00	0_11123_OPR001	JLJ, LKB	844-282	19-Jul-2013	13:44:20
4	130719V09	2	SBS_130719_PCB_VB	1.00	SIL 9-41-1	JLJ, LKB	019-459	19-Jul-2013	14:38:36
5	130719V10	13 	MB1_11123_PCB_SDS-RJ	10.00	Method Blank A5698	JLJ, LKB	683-855	19-Jul-2013	15:32:53
6	130719V11	14	A5698_11123_PCB_001	5.85	JW-SS-207-130429	JLJ, LKB	464-072	19-Jul-2013	16:27:08
7	130719V12	15	A5698_11123_PCB_002	5.48	JW-SS-208-130429	JLJ, LKB	692-940	19-Jul-2013	17:21:24
8	130719V13	16	A5698_11123_PCB_003	6.45	JW-SS-209-130429	JLJ, LKB	901-317	19-Jul-2013	18:15:39
9	130719V14	17	A5698_11123_PCB_004	6.29	JW-SS-211-130429	JLJ, LKB	390-810	19-Jul-2013	19:09:58
10	130719V15	18 	A5698_11123_PCB_005	5.47	JW-SS-214-130429	JLJ, LKB	158-766	19-Jul-2013	20:04:19
11	130719V16	19	A5698_11123_PCB_006	5.78	JW-SS-215-130429	JLJ, LKB	635-390	19-Jul-2013	20:58:36
12	130719V17	20	A5698_11123_PCB_007	8.47	JW-SS-216-130429	JLJ, LKB	627-870	19-Jul-2013	21:52:50
13	130719V18	21	A5698_11123_PCB_015	8.00	JW-EA09-SC36-A-130426	JLJ, LKB	344-876	19-Jul-2013	22:47:06



= manual calculation

REVIEWED
 By Laura Boivin at 4:47 pm, Jul 23, 2013

APPROVED
 By Amy Boehm at 1:52 pm, Jul 25, 2013

The displayed RT range for PCB-209 and ES-PCB-209 don't match. The peaks do indeed co-elute, they just do not align visually. OK. ajb 7/25/13

Lab ID: MB1_11123_PCB_SDS-RJ

ACQ: 19-Jul-2013 15:32:53 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: Method Blank A5698

UTP: 23-Jul-2013 16:18 LKB

J-level: 1 pg/g Split: 1

Checkcode: 683-855-XQP

Datafile: 130719V10

RPT: 23-Jul-2013 16:18 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0006	-		0.00E+00		1.25	ND	5.65E+03	0.283
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	5.65E+03	0.285
PCB-105 233'44'-PeCB	33.56	J EMPC	1.0006	1.0008	+0.4	1.23E+05	0.74	1.06	0.836	2.94E+03	0.23
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.11	ND	2.94E+03	0.21
PCB-118 23'44'5'-PeCB	32.55		1.0008	1.0008	0	3.07E+05	0.65	1.08	1.95	2.94E+03	0.214
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.12	ND	2.94E+03	0.205
PCB-126 33'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	3.02E+03	0.227
PCB-156/157 ...-HxCB	38.70	J C	1.0004	0.9998	-1.4	1.74E+05	1.27	1.14	1.3	3.07E+03	0.407
PCB-167 23'44'55'-HxCB	37.72	J EMPC	1.0005	1.0003	-0.5	5.07E+04	0.84	1.18	0.352	3.07E+03	0.254
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	3.07E+03	0.442
PCB-189 233'44'55'-HpCB	43.57	J	1.0005	1.0002	-0.8	6.71E+04	0.98	1.12	0.459	2.80E+03	0.241
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.11	ND	2.24E+03	0.288
ES PCB-1	10.54		0.7199	0.7199	0	3.77E+07	3.23	0.97	67.3 %	25%	150%
ES PCB-3	12.58		0.8600	0.8599	-0.1	3.65E+07	3.29	0.90	70.3 %	25%	150%
ES PCB-4	12.82		0.8759	0.8758	-0.1	3.32E+07	1.56	0.70	82 %	25%	150%
ES PCB-15	18.15		1.2401	1.2404	+0.3	4.95E+07	1.62	1.02	84.4 %	25%	150%
ES PCB-19	15.67		1.0705	1.0705	0	2.75E+07	1.06	0.53	90.4 %	25%	150%
ES PCB-37	24.29		1.0840	1.0842	+0.3	3.58E+07	1.12	1.29	79.9 %	25%	150%
ES PCB-54	18.43		0.8227	0.8225	-0.2	3.62E+07	0.77	1.43	73.4 %	25%	150%
ES PCB-77	30.56		1.3634	1.3640	+1.1	3.65E+07	0.83	1.20	87.6 %	25%	150%
ES PCB-81	30.08		1.3420	1.3426	+1.1	3.53E+07	0.81	1.16	87.8 %	25%	150%
ES PCB-104	23.23		0.8213	0.8210	-0.4	3.62E+07	1.51	1.70	73.4 %	25%	150%
ES PCB-105	33.53		1.1849	1.1850	+0.2	2.78E+07	1.54	1.10	87.6 %	25%	150%
ES PCB-114	32.98		1.1652	1.1655	+0.6	2.82E+07	1.59	1.16	84.2 %	25%	150%
ES PCB-118	32.52		1.1492	1.1494	+0.4	2.91E+07	1.56	1.15	87.1 %	25%	150%
ES PCB-123	32.25		1.1394	1.1396	+0.4	2.86E+07	1.55	1.14	86.6 %	25%	150%
ES PCB-126	36.15		1.2772	1.2775	+0.7	2.76E+07	1.61	1.34	71.2 %	25%	150%
ES PCB-153	34.10		0.9698	0.9698	0	2.99E+07	1.30	1.14	86.5 %	25%	150%
ES PCB-155	28.11		0.7994	0.7992	-0.3	4.01E+07	1.32	1.61	84.2 %	25%	150%
ES PCB-156/157	38.70		1.1004	1.1005	+0.2	4.68E+07	1.27	0.98	81.2 %	25%	150%
ES PCB-167	37.71		1.0723	1.0723	0	2.44E+07	1.25	1.01	81.9 %	25%	150%
ES PCB-169	41.44		1.1781	1.1783	+0.5	1.65E+07	1.26	0.90	62.3 %	25%	150%
ES PCB-170	40.93		0.9031	0.9030	-0.2	2.06E+07	1.00	1.28	94.5 %	25%	150%
ES PCB-180	39.85		0.8794	0.8793	-0.2	2.51E+07	1.05	1.54	97.5 %	25%	150%
ES PCB-188	32.97		0.7275	0.7273	-0.4	3.75E+07	1.07	1.63	78.3 %	25%	150%
ES PCB-189	43.56		0.9610	0.9610	0	2.62E+07	1.06	1.97	78.1 %	25%	150%
ES PCB-202	37.51		0.8277	0.8275	-0.5	3.26E+07	0.91	1.26	87.7 %	25%	150%
ES PCB-205	45.73		1.0088	1.0088	0	1.70E+07	0.89	1.22	81.6 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.20		1.0412	1.0413	+0.3	1.57E+07	0.78	1.10	83.6 %	25%	150%
ES PCB-208	43.15		0.9520	0.9520	0	2.36E+07	0.79	1.41	98.2 %	25%	150%
ES PCB-209	48.55		1.0711	1.0712	+0.3	1.68E+07	1.19	1.24	79.2 %	25%	150%
SS PCB-28	20.81		0.9292	0.9291	-0.1	4.23E+07	1.10	1.18	100 %	30%	135%
SS PCB-111	30.57		1.0804	1.0805	+0.2	3.22E+07	1.58	1.01	112 %	30%	135%
SS PCB-178	35.54		1.0107	1.0107	0	2.41E+07	1.03	0.60	107 %	30%	135%
CS PCB-28	20.81		0.9292	0.9291	-0.1	4.23E+07	1.10	1.52	80.1 %	30%	135%
CS PCB-111	30.57		1.0804	1.0805	+0.2	3.22E+07	1.58	1.15	97 %	30%	135%
CS PCB-178	35.54		1.0107	1.0107	0	2.41E+07	1.03	0.98	83.6 %	30%	135%
JS PCB-9	14.64					5.78E+07	1.61				
JS PCB-52	22.40					3.46E+07	0.77				
JS PCB-101	28.30					2.89E+07	1.59				
JS PCB-138	35.17					2.95E+07	1.27				
JS PCB-194	45.33					1.70E+07	0.90				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	0	0	0.179		
						Di-CBs	19.2	19.2	0.272		
						Tri-CBs	7.71	7.71	0.289		
						Tetra-CBs	8.69	9.7	0.259		
						Penta-CBs	8.09	13.3	0.203		
						Hexa-CBs	47.1	49.2	0.303		
						Hepta-CBs	67.3	69.8	0.251		
						Octa-CBs	23.5	23.5	0.27		
						Nona-CBs	1.44	1.44	0.466		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.25		ND	5.97E+03	0.16
PCB-2 3-MoCB	NotFnd		0.9877	-		0.00E+00	1.26		ND	5.97E+03	0.199
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.27		ND	5.97E+03	0.198
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	0.90		ND	4.66E+03	0.231
PCB-10 26-DiCB	NotFnd		1.0136	-		0.00E+00	1.40		ND	4.66E+03	0.148
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00	1.00		ND	8.88E+03	0.343
PCB-7 24-DiCB	NotFnd		1.0113	-		0.00E+00	1.12		ND	8.88E+03	0.305
PCB-6 23'-DiCB	NotFnd		1.0261	-		0.00E+00	1.03		ND	8.88E+03	0.333
PCB-5 23-DiCB	NotFnd		1.0452	-		0.00E+00	1.05		ND	8.88E+03	0.328
PCB-8 24'-DiCB	15.41	J	1.0529	1.0530	+0.1	1.73E+05	SI	1.06	0.661	8.88E+03	0.325
PCB-14 35-DiCB	NotFnd		0.9293	-		0.00E+00	1.22		ND	8.88E+03	0.282
PCB-11 33'-DiCB	17.62	B	0.9704	0.9704	0	4.36E+06	1.55	0.98	18	8.88E+03	0.352
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9856	-		0.00E+00	0.98		ND	8.88E+03	0.35
PCB-15 44'-DiCB	18.16	J	1.0008	1.0005	-0.3	1.35E+05	SI	1.10	0.497	8.88E+03	0.313

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.95	ND	4.80E+03	0.326
PCB-30/18 246/22'5-TrCB	17.35	J C	1.1064	1.1074	+1.0	1.44E+05	1.17	1.22	0.858	4.80E+03	0.252
PCB-17 22'4-TrCB	17.72	J	1.1310	1.1309	-0.1	6.33E+04	0.93	1.05	0.437	4.80E+03	0.293
PCB-27 23'6-TrCB	NotFnd		1.1431	-		0.00E+00		1.39	ND	4.80E+03	0.223
PCB-24 236-TrCB	NotFnd		1.1507	-		0.00E+00		1.36	ND	4.80E+03	0.227
PCB-16 22'3-TrCB	NotFnd		1.1570	-		0.00E+00		0.82	ND	4.80E+03	0.377
PCB-32 24'6-TrCB	18.59	J	1.1861	1.1863	+0.2	7.11E+04	0.94	1.47	0.351	4.80E+03	0.21
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	6.05E+03	0.228
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	6.05E+03	0.221
PCB-26/29 23'5/245-TrCB	20.09	J C	0.8282	0.8270	-1.4	9.43E+04	0.97	1.56	0.339	6.05E+03	0.225
PCB-25 23'4-TrCB	NotFnd		0.8362	-		0.00E+00		1.59	ND	6.05E+03	0.22
PCB-31 24'5-TrCB	20.57		0.8473	0.8470	-0.4	4.11E+05	1.06	1.62	1.41	6.05E+03	0.216
PCB-28/20 244'/233'-TrCB	20.83	J C	0.8586	0.8577	-1.1	5.27E+05	1.08	1.51	1.95	6.05E+03	0.231
PCB-21/33 234/23'4'-TrCB	21.04	J C	0.8656	0.8662	+0.8	3.00E+05	1.19	1.58	1.06	6.05E+03	0.222
PCB-22 234'-TrCB	21.38	J	0.8808	0.8804	-0.5	2.04E+05	1.05	1.45	0.789	6.05E+03	0.242
PCB-36 33'5-TrCB	NotFnd		0.9359	-		0.00E+00		1.55	ND	6.05E+03	0.226
PCB-39 34'5-TrCB	NotFnd		0.9491	-		0.00E+00		1.53	ND	6.05E+03	0.228
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	6.05E+03	0.24
PCB-35 33'4-TrCB	NotFnd		0.9862	-		0.00E+00		1.31	ND	6.05E+03	0.266
PCB-37 344'-TrCB	24.31	J	1.0008	1.0009	+0.1	1.28E+05	1.04	1.39	0.514	6.05E+03	0.252
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.79E+03	0.186
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9086	-		0.00E+00		0.90	ND	3.71E+03	0.263
PCB-45 22'36-TeCB	NotFnd		0.9340	-		0.00E+00		0.84	ND	3.71E+03	0.282
PCB-51 22'46'-TeCB	NotFnd		0.9371	-		0.00E+00		0.86	ND	3.71E+03	0.275
PCB-46 22'36'-TeCB	NotFnd		0.9464	-		0.00E+00		0.73	ND	3.71E+03	0.322
PCB-52 22'55'-TeCB	22.43		1.0010	1.0010	0	2.86E+05	0.81	0.85	1.9	3.71E+03	0.278
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	3.71E+03	0.206
PCB-43 22'35-TeCB	NotFnd		1.0103	-		0.00E+00		0.74	ND	3.71E+03	0.32
PCB-69/49 23'46/22'45'-TeCB	22.84	J C	1.0188	1.0196	+1.1	1.59E+05	0.89	1.03	0.871	3.71E+03	0.228
PCB-48 22'45-TeCB	NotFnd		1.0310	-		0.00E+00		0.85	ND	3.71E+03	0.276
PCB-44/47/65 ...-TeCB	23.30	J C	1.0404	1.0401	-0.4	2.62E+05	0.83	0.91	1.63	3.71E+03	0.26
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0523	-		0.00E+00		1.15	ND	3.71E+03	0.205
PCB-42 22'34'-TeCB	NotFnd		1.0599	-		0.00E+00		0.82	ND	3.71E+03	0.289
PCB-41 22'34-TeCB	NotFnd		1.0743	-		0.00E+00		0.70	ND	3.71E+03	0.336
PCB-71/40 23'4'6/22'33'-TeCB	24.18	J EMPC C	1.0788	1.0791	+0.4	7.36E+04	0.61	0.88	0.475	3.71E+03	0.269
PCB-64 234'6-TeCB	24.37	J	1.0874	1.0876	+0.3	1.04E+05	0.78	1.24	0.472	3.71E+03	0.19
PCB-72 23'55'-TeCB	NotFnd		0.8338	-		0.00E+00		1.37	ND	5.65E+03	0.261
PCB-68 23'45'-TeCB	NotFnd		0.8421	-		0.00E+00		1.44	ND	5.65E+03	0.25
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	5.65E+03	0.277
PCB-58 233'5'-TeCB	NotFnd		0.8609	-		0.00E+00		1.29	ND	5.65E+03	0.278
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		1.38	ND	5.65E+03	0.26
PCB-63 234'5-TeCB	NotFnd		0.8733	-		0.00E+00		1.43	ND	5.65E+03	0.252
PCB-61/70/74/76 ...-TeCB	26.57	J C	0.8835	0.8833	-0.3	5.83E+05	0.75	1.34	2.47	5.65E+03	0.269
PCB-66 23'44'-TeCB	26.84		0.8921	0.8922	+0.2	2.89E+05	0.88	1.22	1.34	5.65E+03	0.294
PCB-55 233'4-TeCB	NotFnd		0.8970	-		0.00E+00		1.27	ND	5.65E+03	0.282

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.41	J EMPC	0.9116	0.9113	-0.5	1.15E+05	0.99	1.23	0.531	5.65E+03	0.292
PCB-60 2344'-TeCB	NotFnd		0.9176	-		0.00E+00		1.24	ND	5.65E+03	0.289
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	5.65E+03	0.244
PCB-79 33'45'-TeCB	NotFnd		0.9723	-		0.00E+00		1.37	ND	5.65E+03	0.263
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	5.65E+03	0.314
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.88E+03	0.134
PCB-96 22'366'-PeCB	NotFnd		1.0149	-		0.00E+00		1.00	ND	2.88E+03	0.151
PCB-103 22'45'6'-PeCB	NotFnd		0.8920	-		0.00E+00		0.92	ND	2.94E+03	0.251
PCB-94 22'356'-PeCB	NotFnd		0.8988	-		0.00E+00		0.80	ND	2.94E+03	0.287
PCB-95 22'35'6'-PeCB	25.81	EMPC	0.9122	0.9120	-0.3	2.04E+05	0.48	0.85	1.68	2.94E+03	0.27
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9190	-		0.00E+00		0.87	ND	2.94E+03	0.263
PCB-102 22'456'-PeCB	NotFnd		0.9234	-		0.00E+00		0.86	ND	2.94E+03	0.266
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	2.94E+03	0.263
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	2.94E+03	0.314
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	2.94E+03	0.228
PCB-84 22'33'6'-PeCB	26.75	J	0.9453	0.9453	0	5.00E+04	0.56	0.74	0.472	2.94E+03	0.31
PCB-89 22'346'-PeCB	NotFnd		0.9597	-		0.00E+00		0.78	ND	2.94E+03	0.293
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	2.94E+03	0.197
PCB-92 22'355'-PeCB	27.81	J EMPC	0.9830	0.9829	-0.2	3.86E+04	0.77	0.83	0.327	2.94E+03	0.278
PCB-113/90/101 ...-PeCB	28.32	J EMPC C	0.9999	1.0009	+1.7	3.24E+05	0.73	0.96	2.36	2.94E+03	0.239
PCB-83 22'33'5'-PeCB	NotFnd		1.0151	-		0.00E+00		0.69	ND	2.94E+03	0.331
PCB-99 22'44'5'-PeCB	28.81		1.0182	1.0182	0	1.36E+05	0.63	0.87	1.1	2.94E+03	0.264
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	2.94E+03	0.205
PCB-108/119/86/97/125...-PeCB	29.29	J C	1.0331	1.0351	+3.5	2.32E+05	0.63	0.95	1.71	2.94E+03	0.242
PCB-117 234'56'-PeCB	NotFnd		1.0524	-		0.00E+00		0.98	ND	2.94E+03	0.235
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0553	-		0.00E+00		0.98	ND	2.94E+03	0.233
PCB-110 233'4'6'-PeCB	30.00		1.0600	1.0603	+0.5	3.90E+05	0.56	0.95	2.86	2.94E+03	0.241
PCB-115 2344'6'-PeCB	NotFnd		1.0628	-		0.00E+00		1.24	ND	2.94E+03	0.186
PCB-82 22'33'4'-PeCB	NotFnd		1.0701	-		0.00E+00		0.72	ND	2.94E+03	0.318
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	2.94E+03	0.199
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	2.94E+03	0.202
PCB-107/124 ...-PeCB	NotFnd	C	0.9910	-		0.00E+00		1.01	ND	2.94E+03	0.226
PCB-109 233'46'-PeCB	NotFnd		0.9972	-		0.00E+00		1.09	ND	2.94E+03	0.211
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	2.94E+03	0.229
PCB-122 233'4'5'-PeCB	NotFnd		1.0098	-		0.00E+00		0.94	ND	2.94E+03	0.249
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	2.94E+03	0.237
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.28E+03	0.109
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.28E+03	0.118
PCB-150 22'34'66'-HxCB	NotFnd		1.0119	-		0.00E+00		1.02	ND	2.28E+03	0.117
PCB-136 22'33'66'-HxCB	28.75	J	1.0230	1.0231	+0.2	1.30E+05	1.20	0.91	0.709	2.28E+03	0.13
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.28E+03	0.127
PCB-148 22'34'56'-HxCB	NotFnd		1.0772	-		0.00E+00		1.01	ND	2.28E+03	0.17
PCB-151/135 ...-HxCB	30.79	C	1.0959	1.0956	-0.6	3.56E+05	1.36	0.97	2.45	2.28E+03	0.177
PCB-154 22'44'56'-HxCB	NotFnd		1.1028	-		0.00E+00		1.10	ND	2.28E+03	0.156
PCB-144 22'345'6'-HxCB	31.27	J	1.1124	1.1127	+0.6	4.11E+04	1.11	1.00	0.274	2.28E+03	0.171

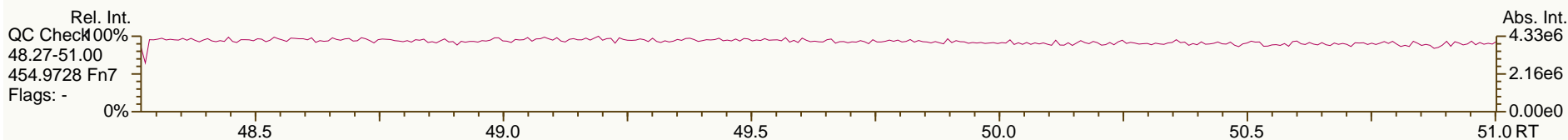
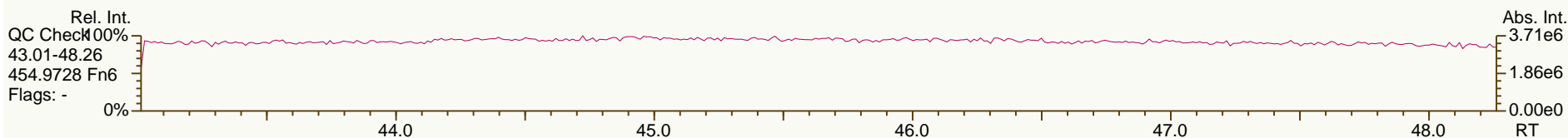
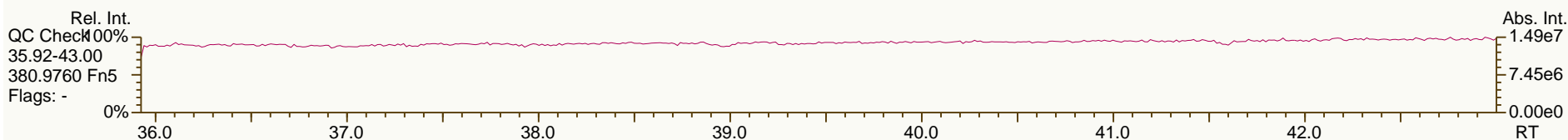
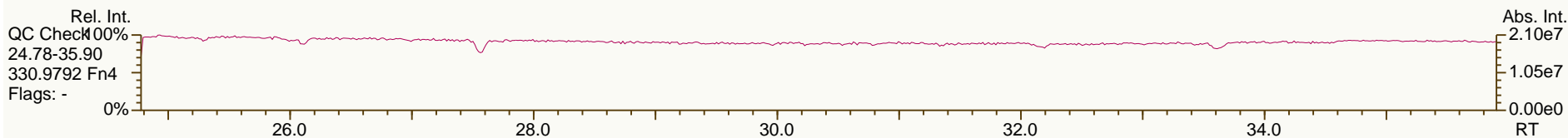
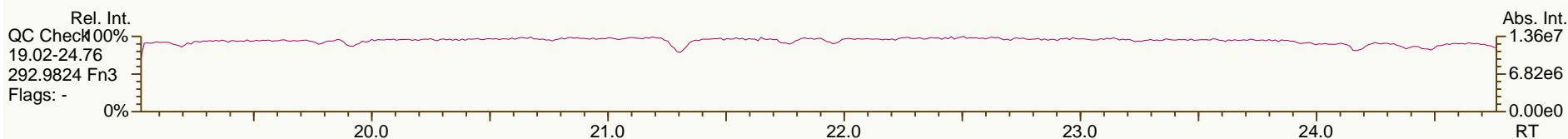
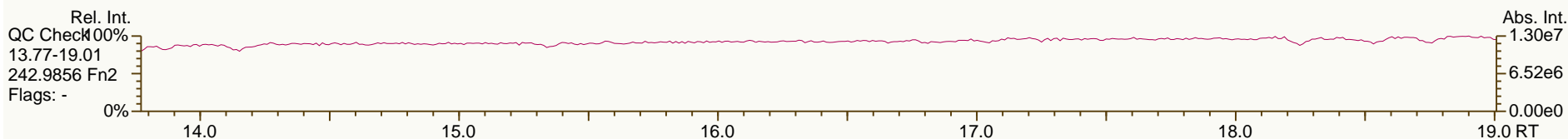
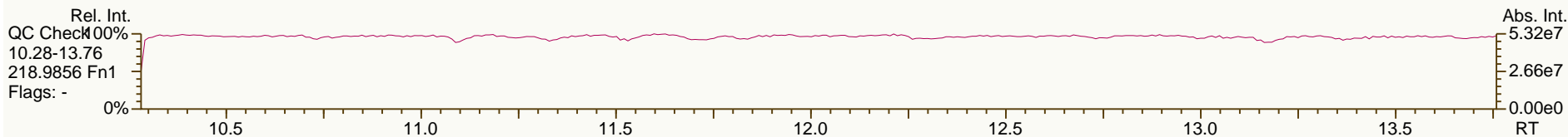
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PCB-147/149 ...-HxCB	31.57	C	1.1231	1.1233	+0.4	1.03E+06	1.37	0.99	6.97	2.28E+03	0.173
PCB-134 22'33'56"-HxCB	31.75	J	1.1293	1.1298	+1.0	3.78E+04	1.33	0.82	0.309	2.28E+03	0.211
PCB-143 22'34'56"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.28E+03	0.177
PCB-139/140 ...-HxCB	NotFnd	C	1.1412	-		0.00E+00		1.01	ND	2.28E+03	0.17
PCB-131 22'33'46"-HxCB	NotFnd		1.1475	-		0.00E+00		0.88	ND	2.28E+03	0.195
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.28E+03	0.191
PCB-132 22'33'46"-HxCB	32.65		1.1613	1.1615	+0.4	3.61E+05	1.27	0.91	2.66	2.28E+03	0.189
PCB-133 22'33'55"-HxCB	NotFnd		1.1757	-		0.00E+00		0.93	ND	2.28E+03	0.186
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.28E+03	0.156
PCB-146 22'34'55"-HxCB	33.60		0.9555	0.9555	0	2.34E+05	1.35	0.96	1.64	2.28E+03	0.18
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.28E+03	0.135
PCB-153/168 ...-HxCB	34.12	B C	0.9709	0.9703	-1.2	2.17E+06	1.32	1.24	11.7	2.28E+03	0.139
PCB-141 22'34'55"-HxCB	34.29		0.9751	0.9752	+0.2	3.51E+05	1.27	0.95	2.46	2.28E+03	0.181
PCB-130 22'33'45"-HxCB	NotFnd		0.9850	-		0.00E+00		0.83	ND	2.28E+03	0.209
PCB-137 22'34'4'5"-HxCB	NotFnd		0.9904	-		0.00E+00		1.02	ND	2.28E+03	0.168
PCB-164 233'4'5'6"-HxCB	34.92	J	0.9931	0.9931	0	1.67E+05	1.10	1.18	0.95	2.28E+03	0.146
PCB-163/138/129 ...-HxCB	35.19	C	1.0011	1.0007	-0.8	2.08E+06	1.25	0.96	14.5	2.28E+03	0.179
PCB-160 233'456"-HxCB	NotFnd		1.0045	-		0.00E+00		1.24	ND	2.28E+03	0.138
PCB-158 233'44'6"-HxCB	35.52		1.0101	1.0101	0	2.28E+05	1.11	1.29	1.18	2.28E+03	0.133
PCB-128/166 ...-HxCB	36.29	J EMPC C	0.9615	0.9622	+1.5	1.62E+05	1.06	0.97	1.37	3.07E+03	0.309
PCB-159 233'455"-HxCB	37.07	J EMPC	0.9832	0.9829	-0.7	3.92E+04	0.99	1.11	0.291	3.07E+03	0.27
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.08	ND	3.07E+03	0.276
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.70E+03	0.156
PCB-179 22'33'566"-HpCB	33.28		1.0095	1.0095	0	3.19E+05	1.14	0.92	1.85	2.70E+03	0.166
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.70E+03	0.167
PCB-176 22'33'466"-HpCB	34.03	J EMPC	1.0322	1.0322	0	8.96E+04	1.42	1.01	0.471	2.70E+03	0.151
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.70E+03	0.158
PCB-178 22'33'55'6"-HpCB	35.56	J	1.0787	1.0788	+0.2	1.31E+05	1.12	0.72	0.978	2.70E+03	0.214
PCB-175 22'33'45'6"-HpCB	NotFnd		1.0951	-		0.00E+00		1.01	ND	3.28E+03	0.284
PCB-187 22'34'55'6"-HpCB	36.33	B	1.1020	1.1021	+0.2	1.00E+06	1.04	1.09	7.35	3.28E+03	0.264
PCB-182 22'344'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	3.28E+03	0.259
PCB-183 22'344'5'6"-HpCB	36.85		1.1177	1.1179	+0.4	5.95E+05	1.06	1.05	4.5	3.28E+03	0.273
PCB-185 22'3455'6"-HpCB	NotFnd		1.1202	-		0.00E+00		1.05	ND	3.28E+03	0.274
PCB-174 22'33'456"-HpCB	37.06	B	1.1240	1.1241	+0.2	9.13E+05	1.03	0.93	7.79	3.28E+03	0.308
PCB-177 22'33'45'6"-HpCB	37.43		1.1354	1.1354	0	4.83E+05	0.96	0.92	4.18	3.28E+03	0.312
PCB-181 22'344'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	3.28E+03	0.28
PCB-171/173 ...-HpCB	37.96	C	1.1512	1.1515	+0.7	2.92E+05	1.15	0.91	2.55	3.28E+03	0.316
PCB-172 22'33'455"-HpCB	39.32		0.9027	0.9028	+0.2	1.65E+05	1.19	0.89	1.48	3.28E+03	0.323
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	3.28E+03	0.255
PCB-180/193 ...-HpCB	39.87	B C	0.9147	0.9154	+1.7	3.23E+06	1.04	1.07	24.1	3.28E+03	0.269
PCB-191 233'44'5'6"-HpCB	NotFnd		0.9222	-		0.00E+00		1.16	ND	3.28E+03	0.247
PCB-170 22'33'44'5"-HpCB	40.95	B	0.9401	0.9401	0	1.24E+06	1.09	0.99	12.1	3.28E+03	0.385
PCB-190 233'44'56"-HpCB	41.39	EMPC	0.9503	0.9502	-0.2	2.73E+05	1.23	1.27	2.08	3.28E+03	0.302
PCB-202 22'33'55'66"-OoCB	37.53	J	1.0006	1.0005	-0.2	7.50E+04	0.78	0.86	0.532	2.79E+03	0.213
PCB-201 22'33'45'66"-OoCB	38.31	J	1.0214	1.0214	0	5.76E+04	0.88	0.95	0.372	2.79E+03	0.194

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	2.79E+03	0.206
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0417	-		0.00E+00		0.93	ND	2.79E+03	0.199
PCB-200 22'33'4566'-OcCB	39.17	J	1.0444	1.0443	-0.2	9.04E+04	0.89	0.92	0.604	2.79E+03	0.201
PCB-198/199 ...-OcCB	41.54	C	1.1066	1.1073	+1.7	5.36E+05	0.92	0.64	5.13	2.79E+03	0.288
PCB-196 22'33'44'56'-OcCB	42.09		1.1220	1.1221	+0.3	3.28E+05	0.84	0.66	3.06	2.79E+03	0.281
PCB-203 22'344'55'6-OcCB	42.25		1.1263	1.1265	+0.5	3.60E+05	0.92	0.68	3.24	2.79E+03	0.271
PCB-195 22'33'44'56-OcCB	43.38		0.9489	0.9488	-0.3	2.34E+05	0.92	0.89	3.1	2.71E+03	0.416
PCB-194 22'33'44'55'-OcCB	45.35	B	0.9918	0.9918	0	5.83E+05	0.89	0.92	7.46	2.71E+03	0.402
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.13	ND	2.71E+03	0.326
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.03	ND	3.68E+03	0.354
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0187	-		0.00E+00		1.00	ND	3.68E+03	0.367
PCB-206 22'33'44'55'6-NoCB	47.22		1.0004	1.0004	0	1.10E+05	0.74	0.97	1.44	3.68E+03	0.578

SGS-AP ID: MB1_11123_PCB_SDS-RJ
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

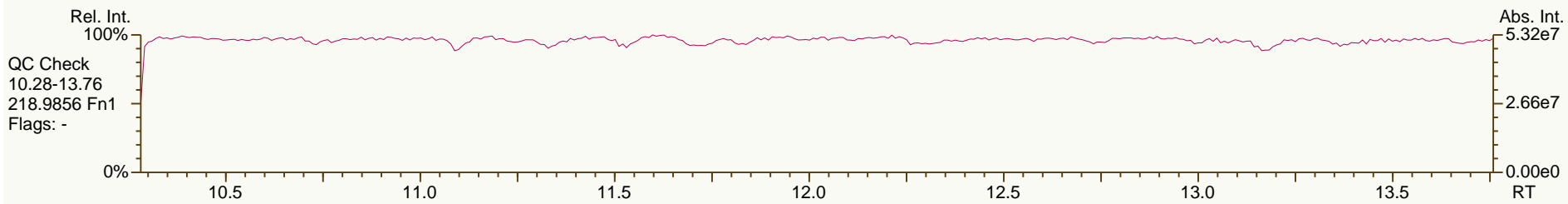
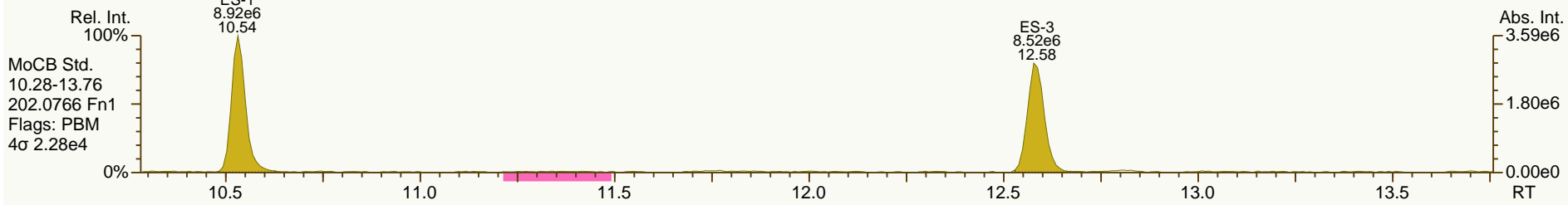
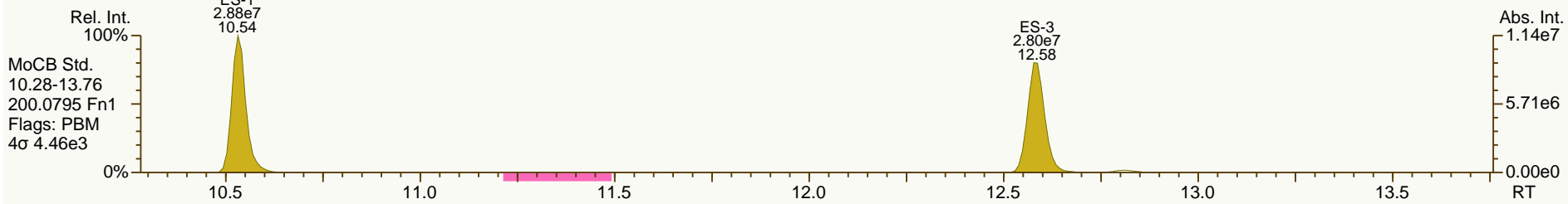
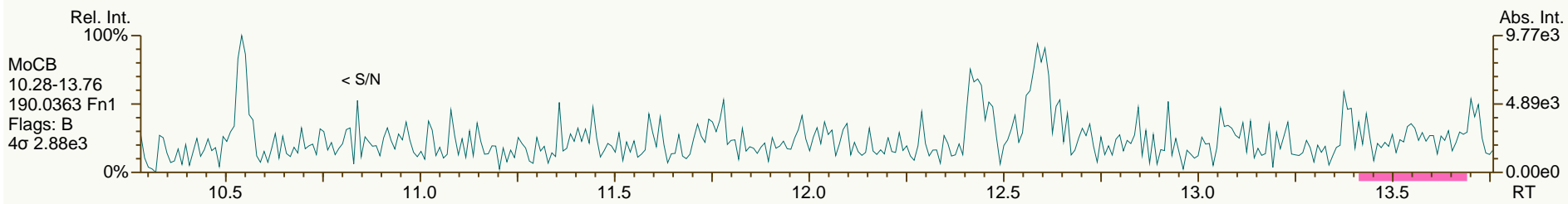
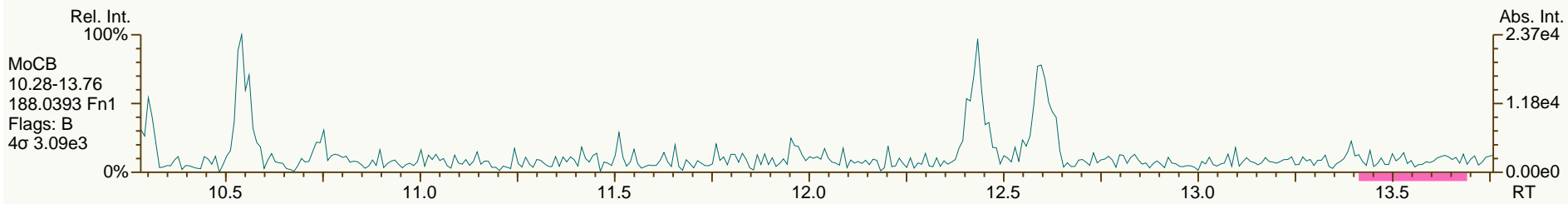
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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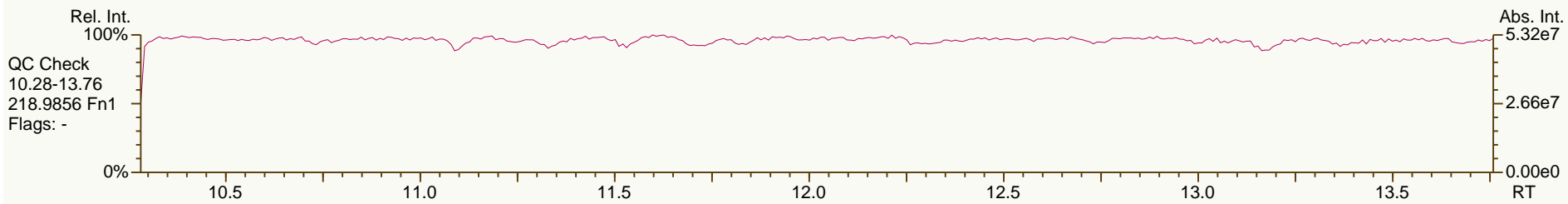
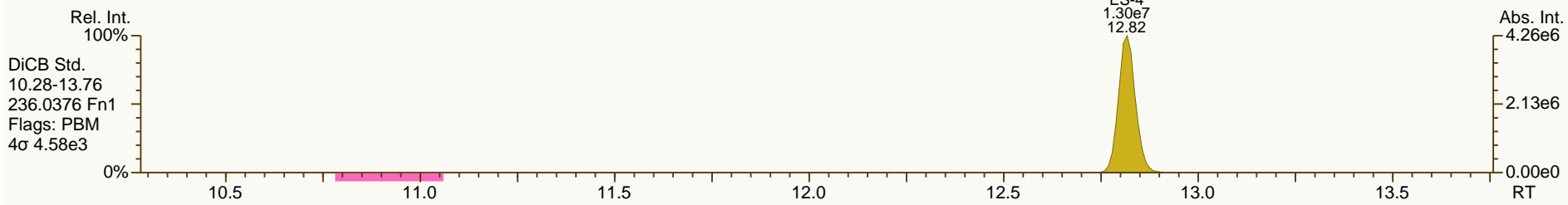
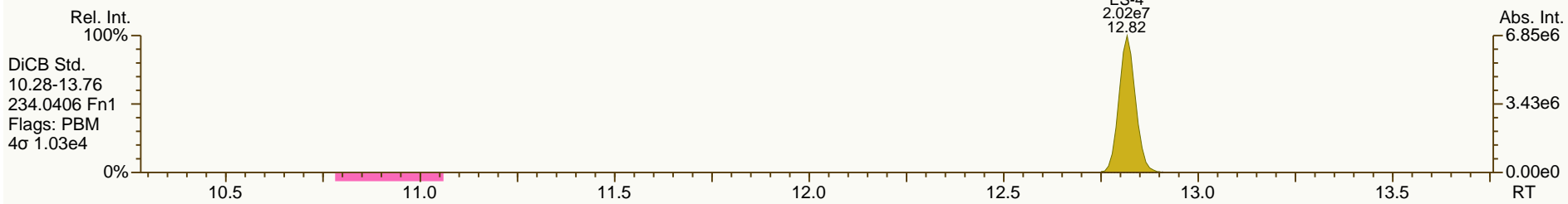
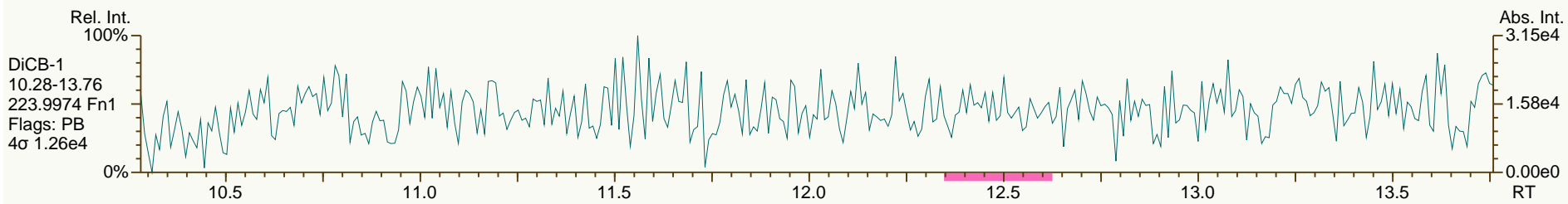
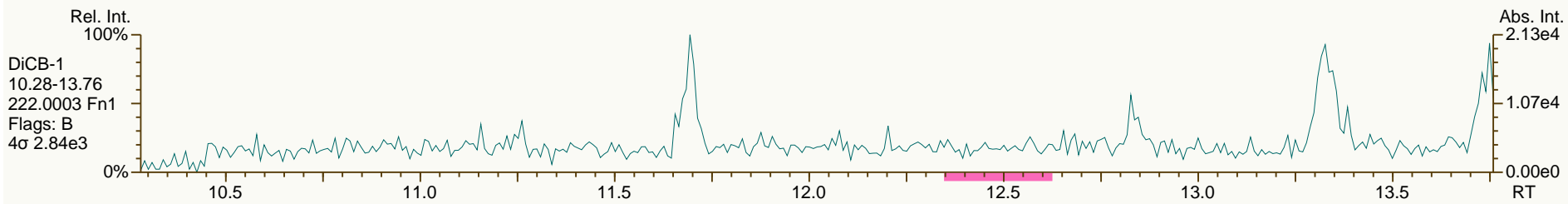
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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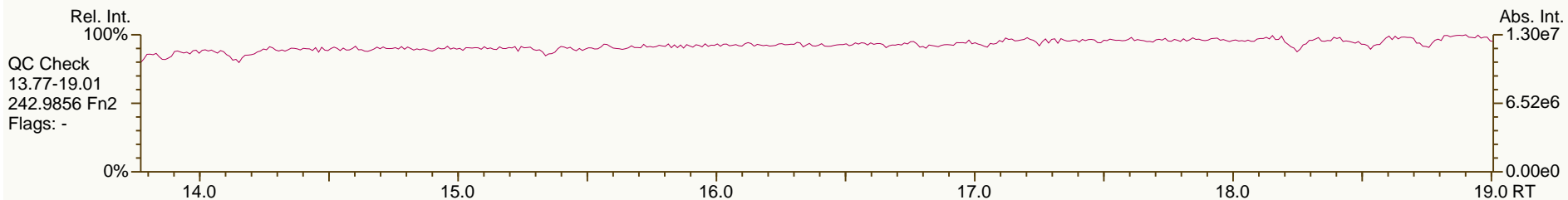
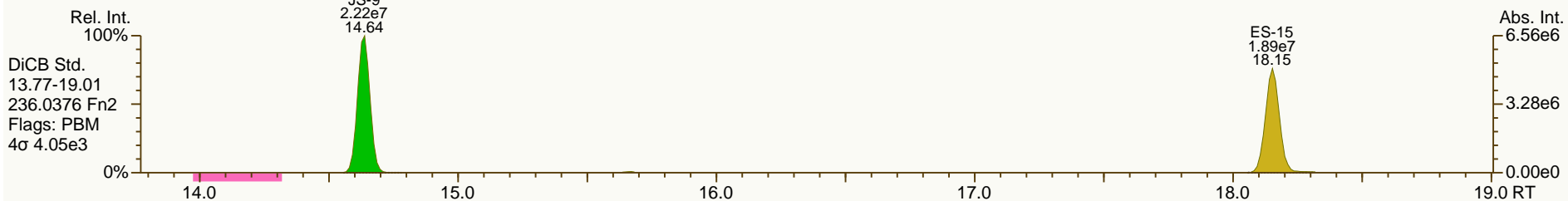
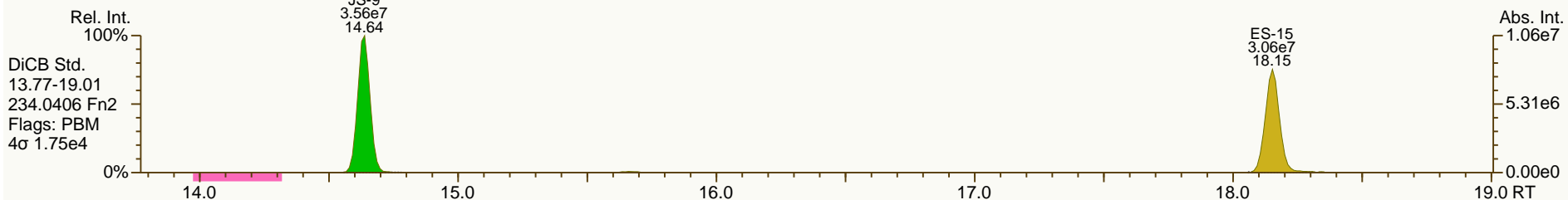
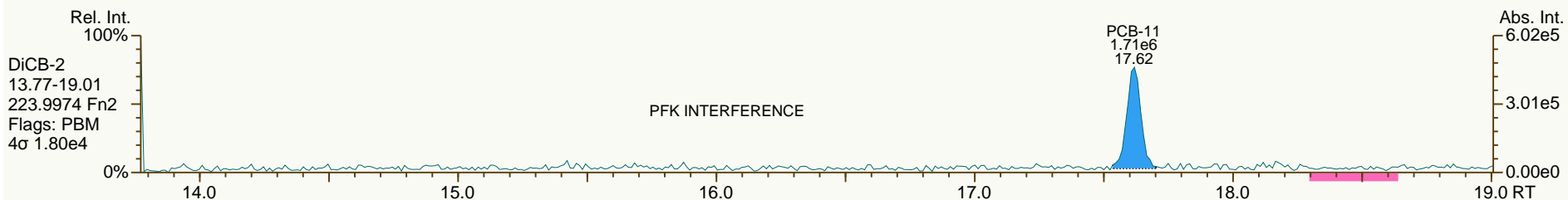
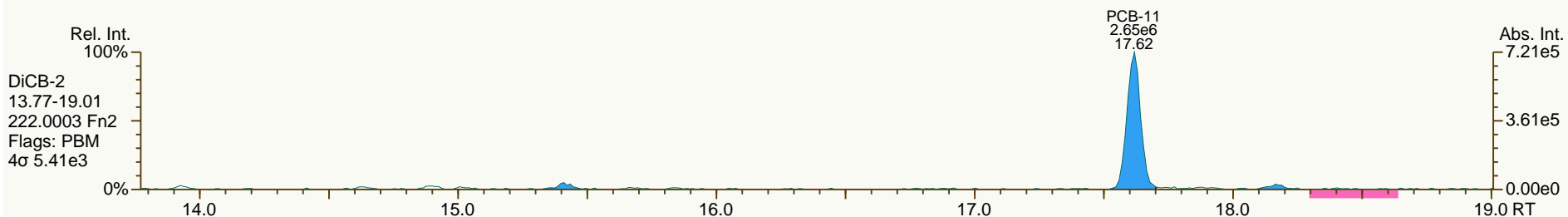
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

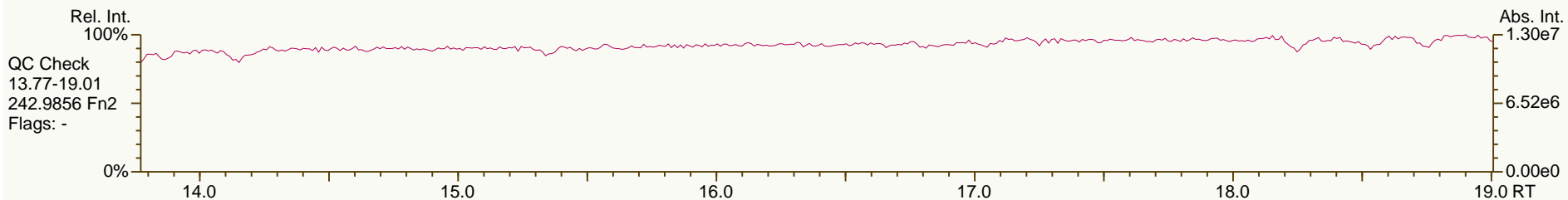
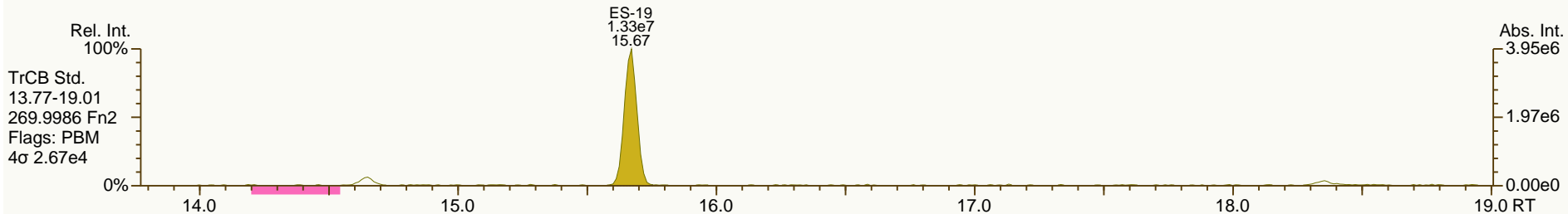
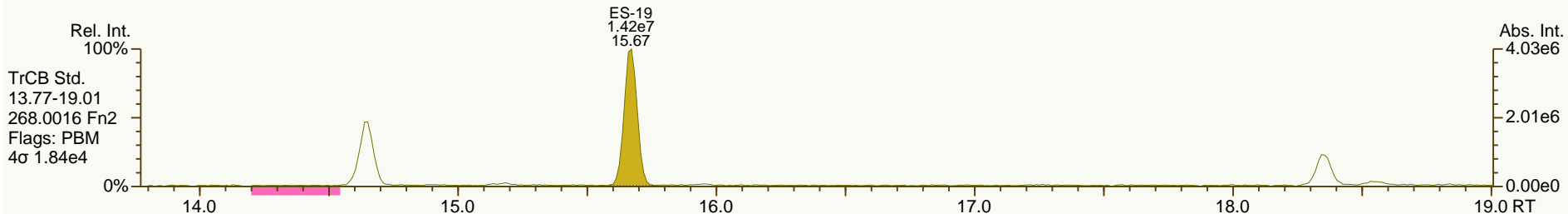
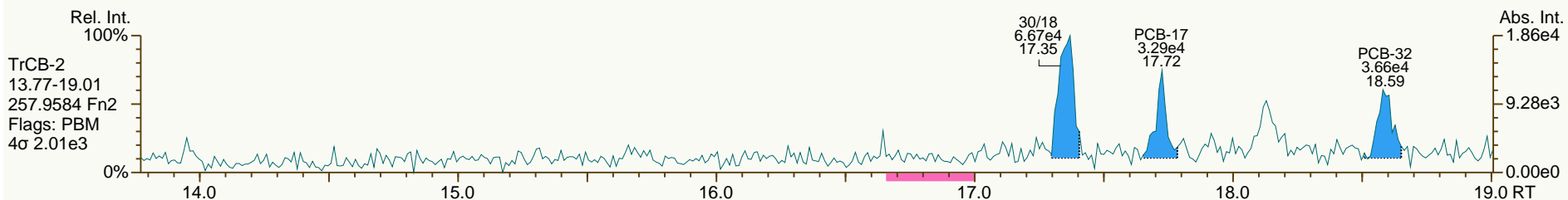
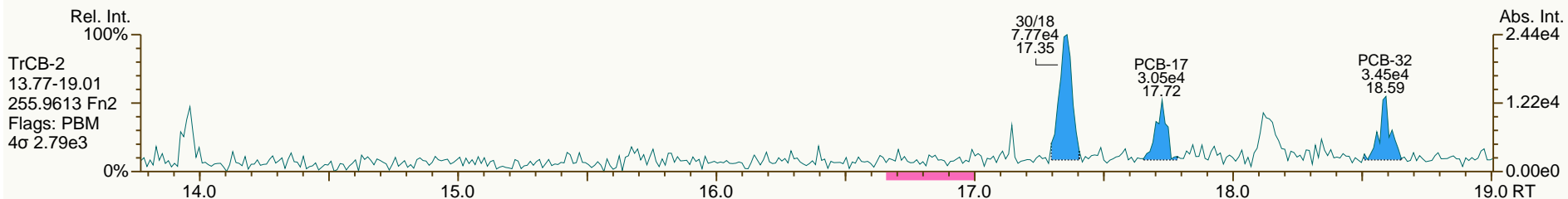
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

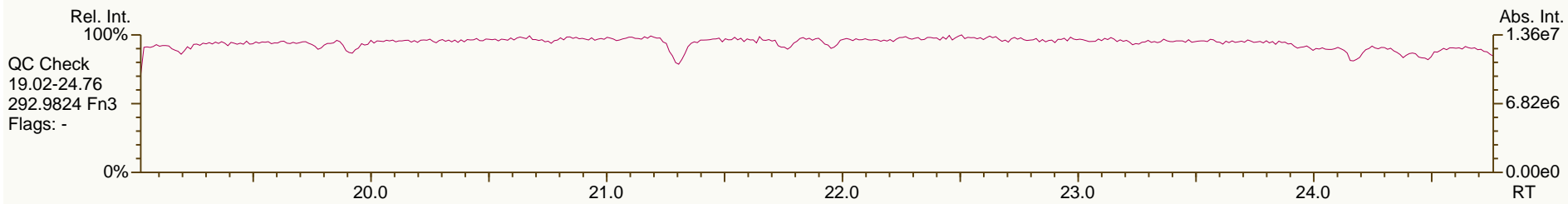
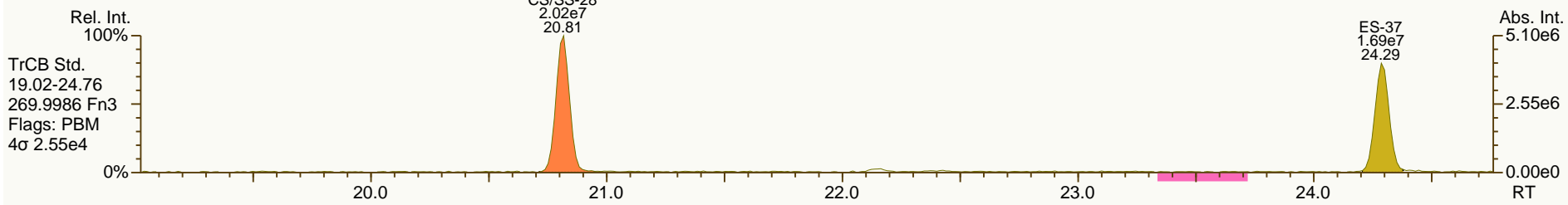
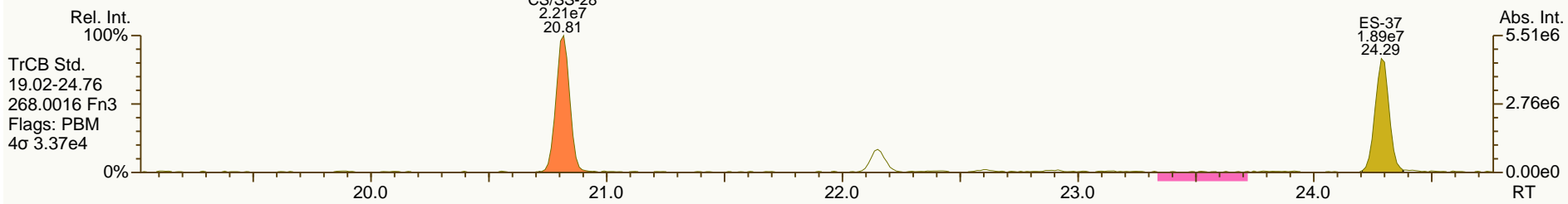
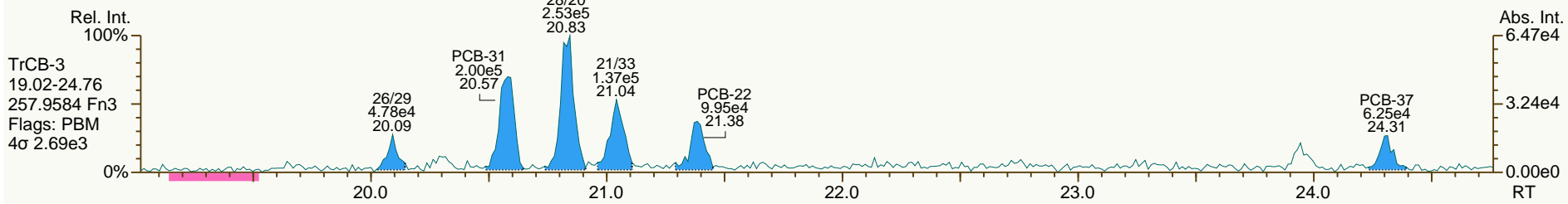
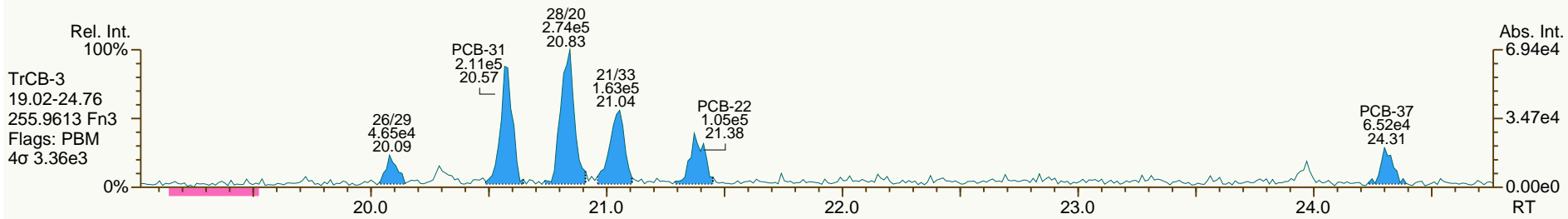
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

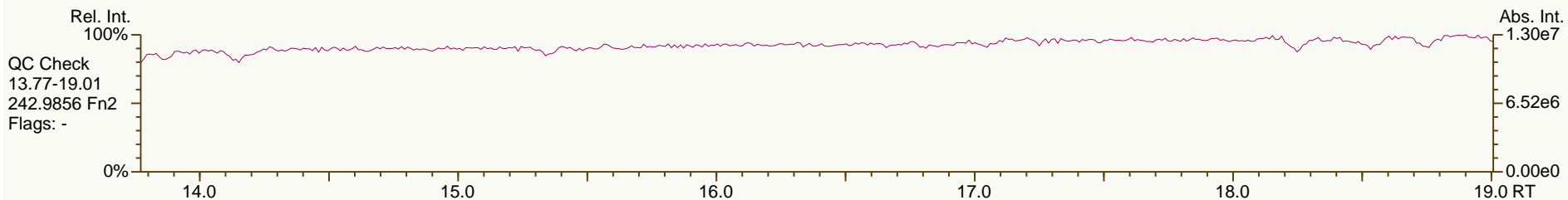
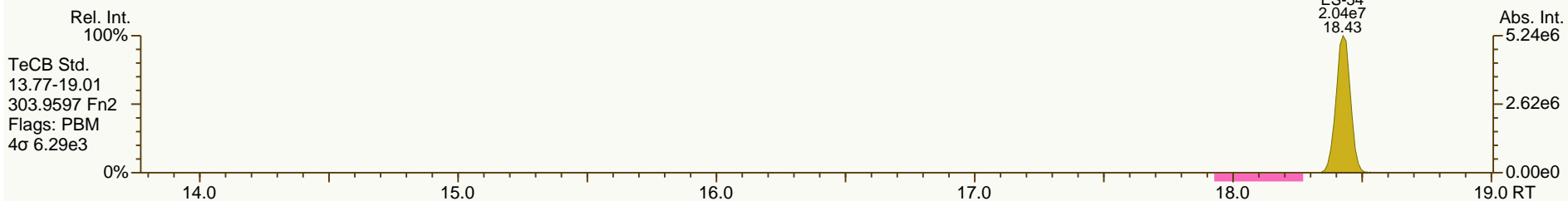
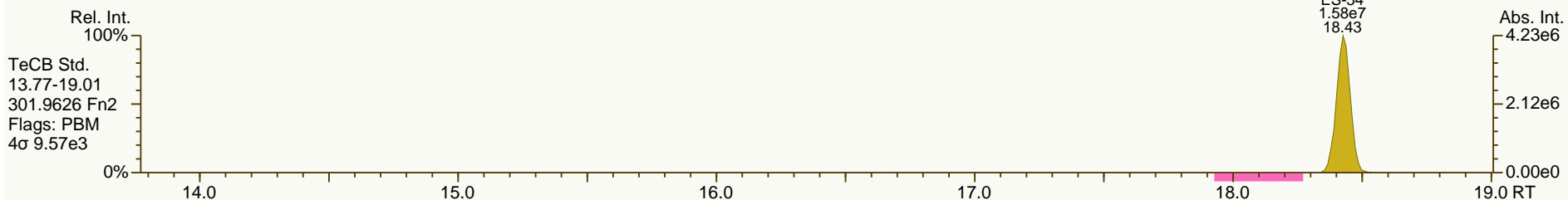
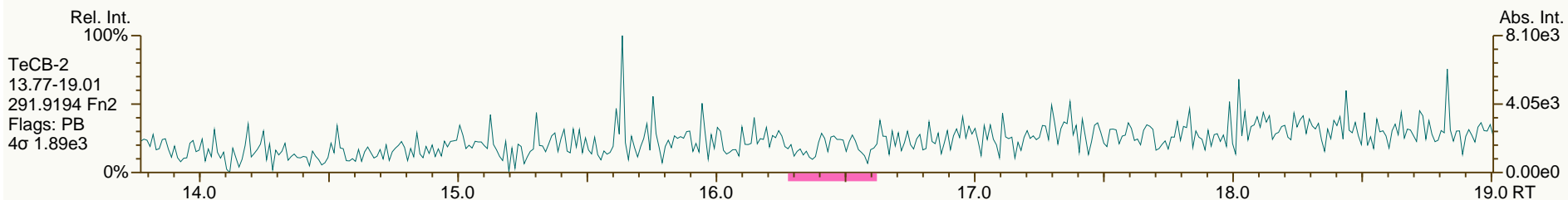
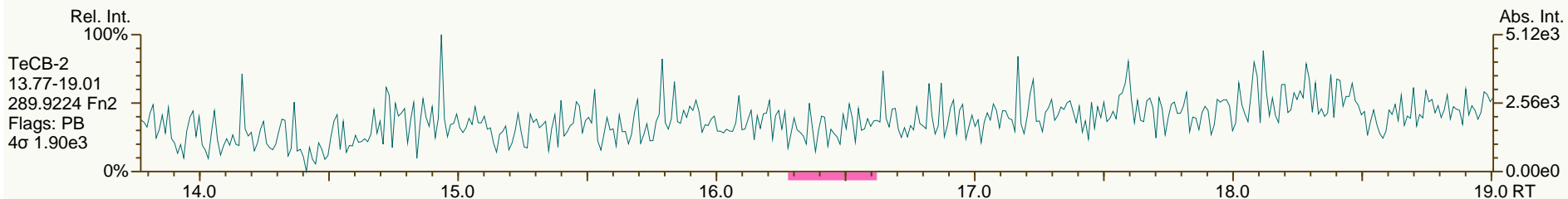
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

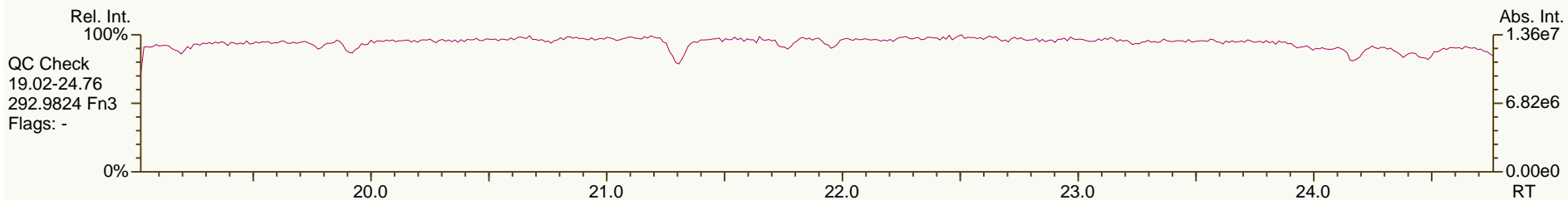
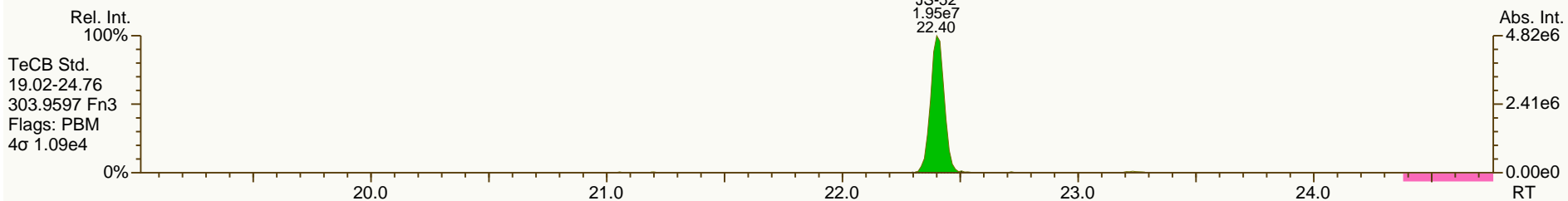
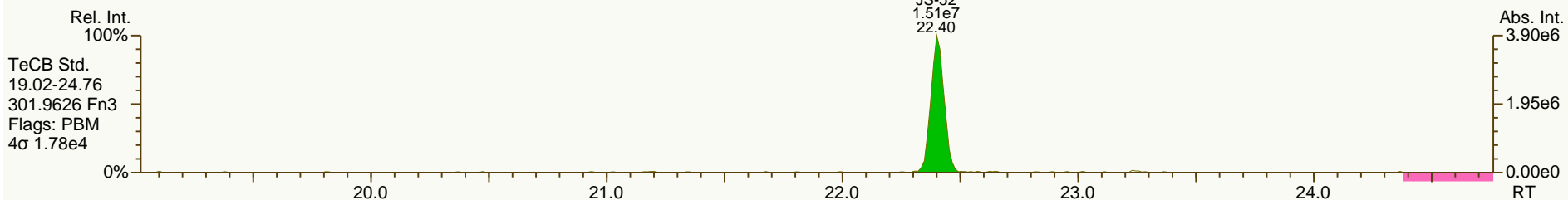
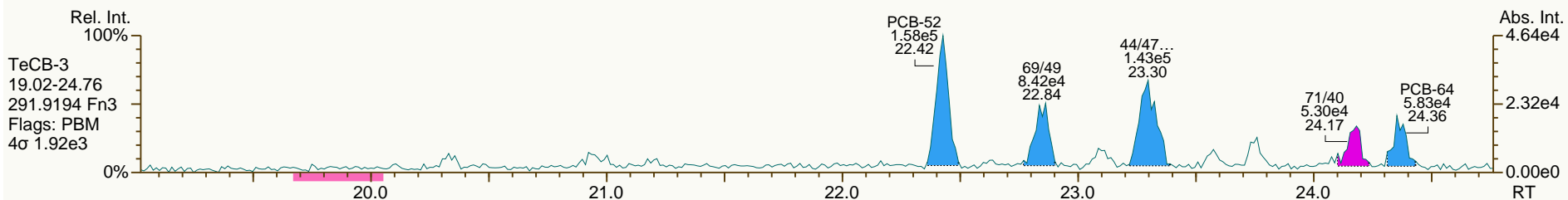
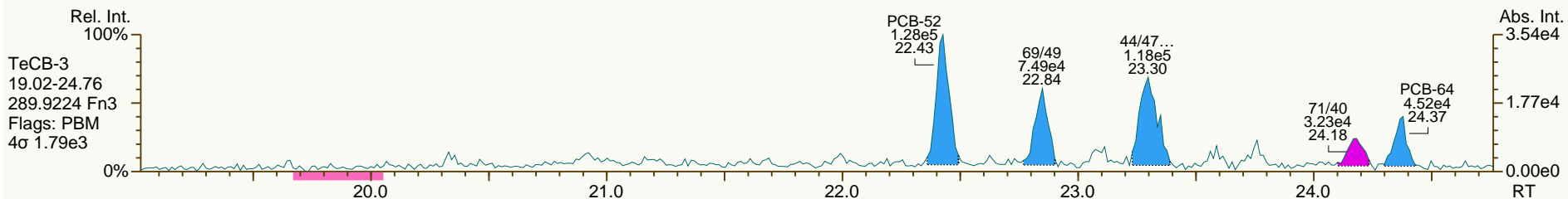
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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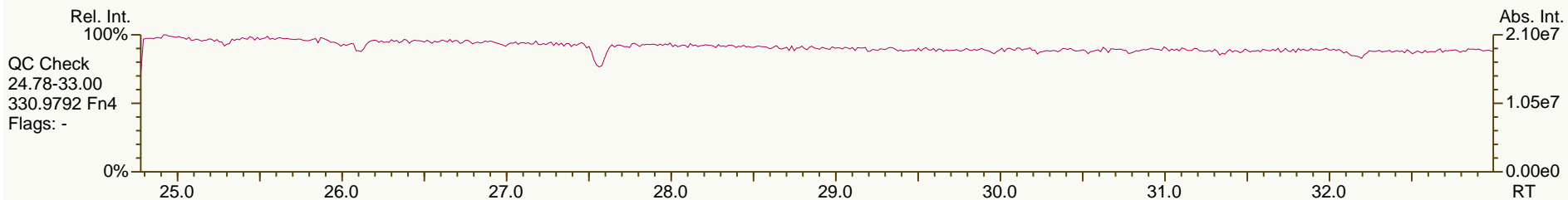
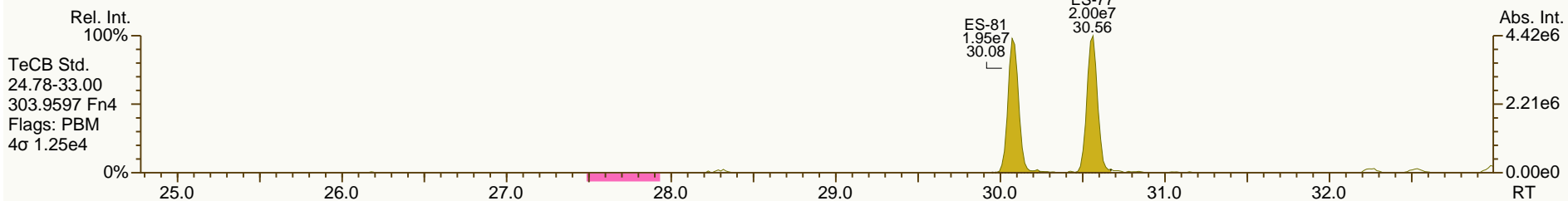
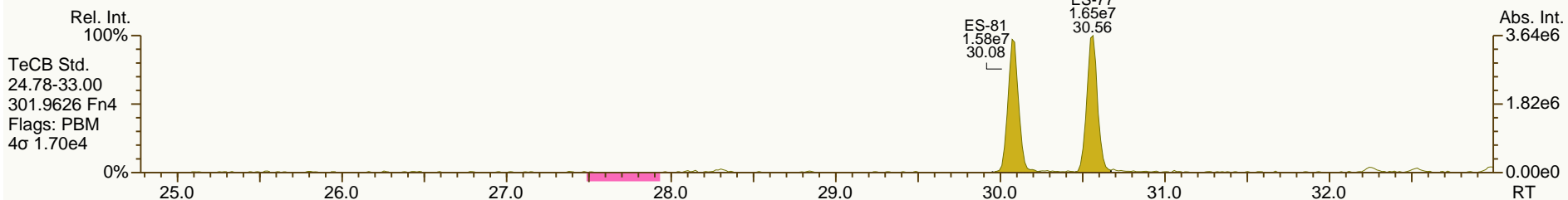
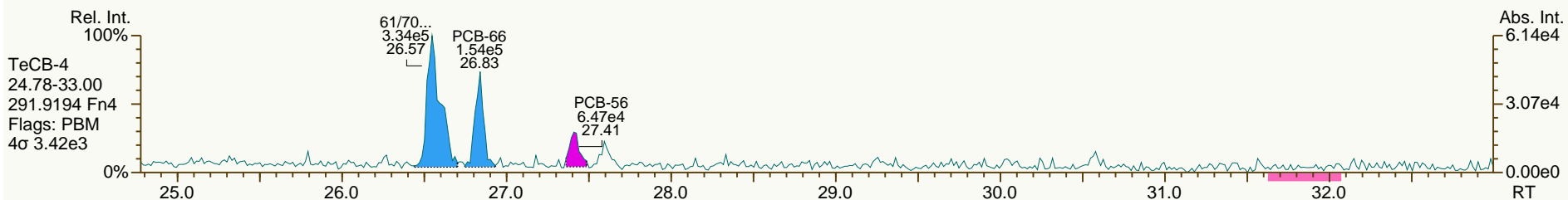
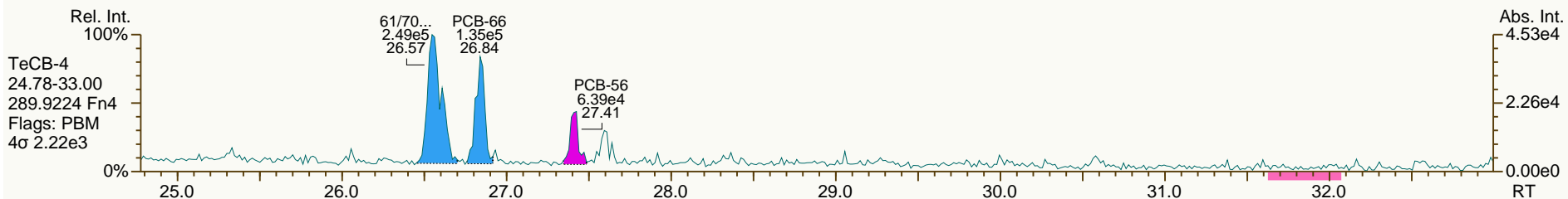
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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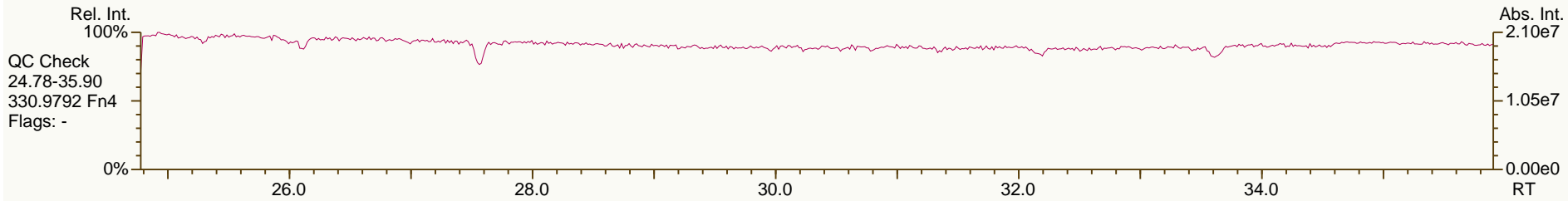
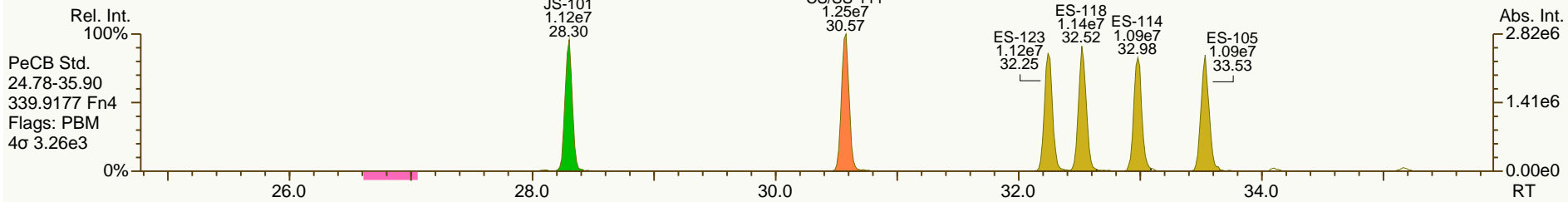
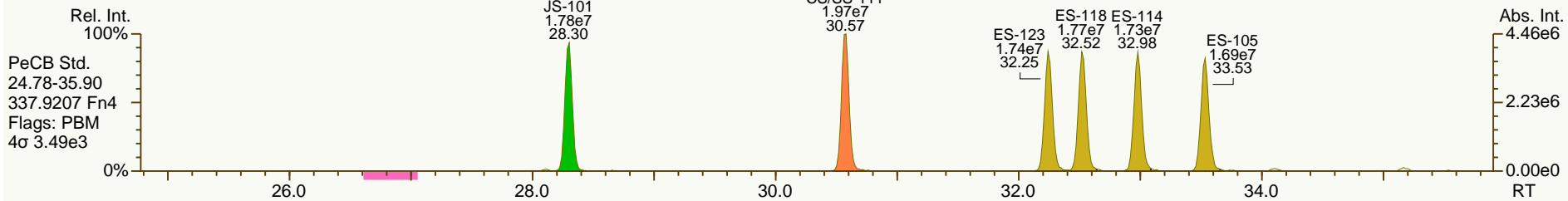
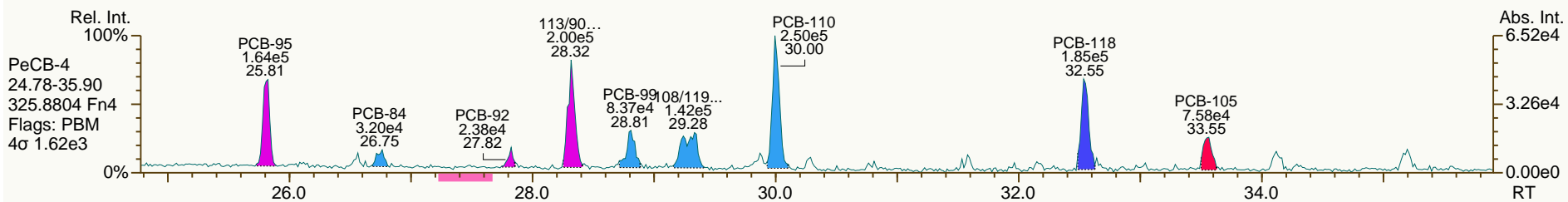
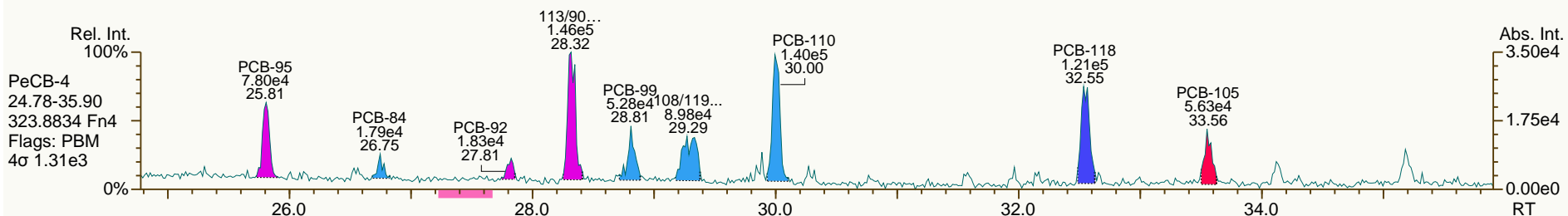
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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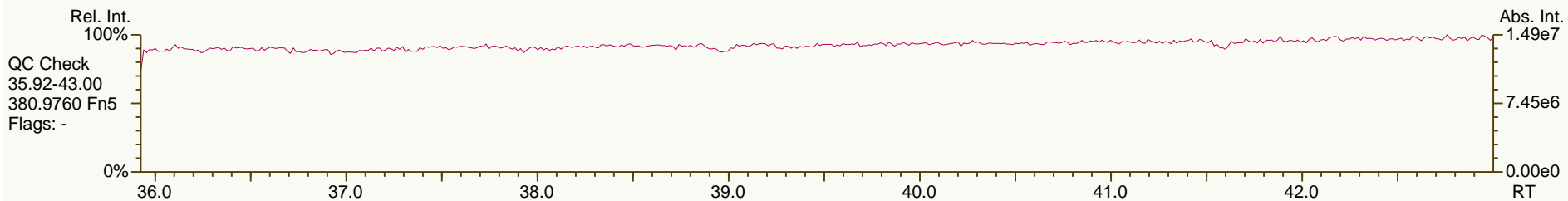
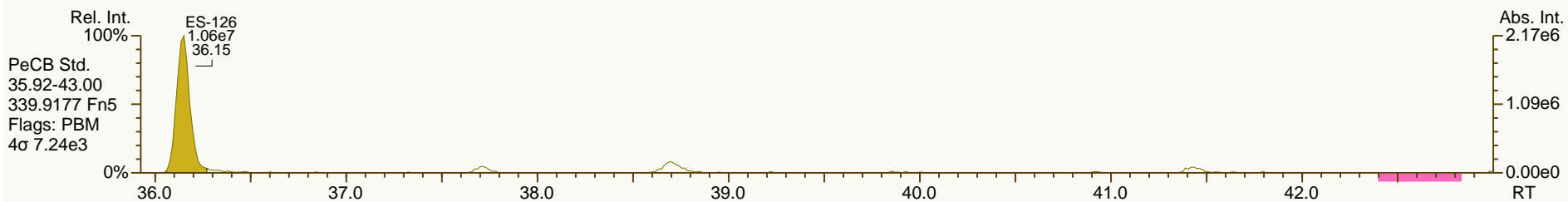
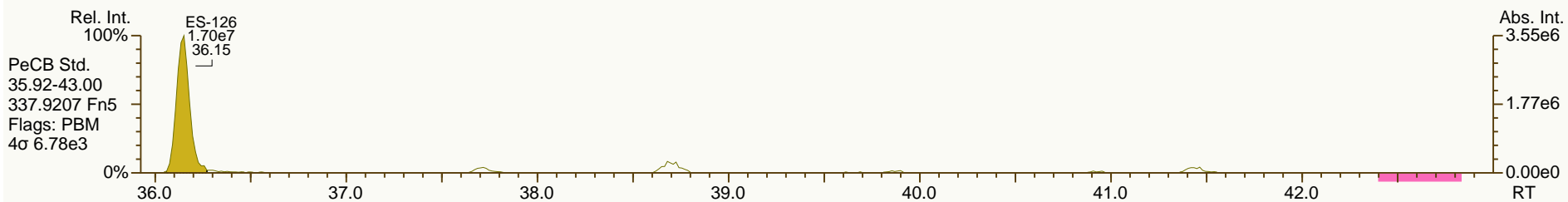
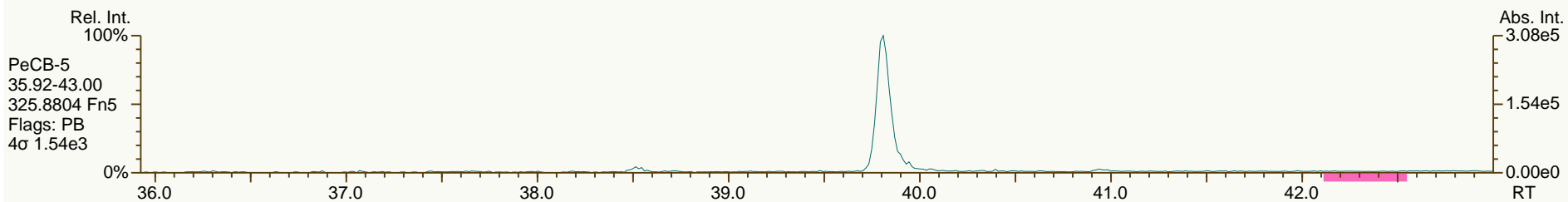
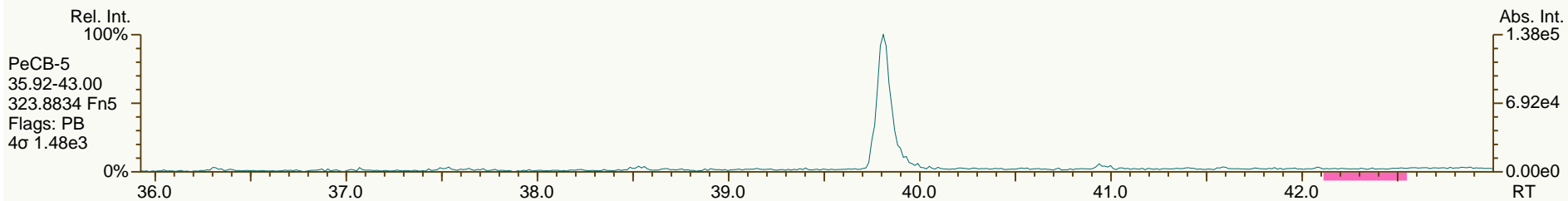
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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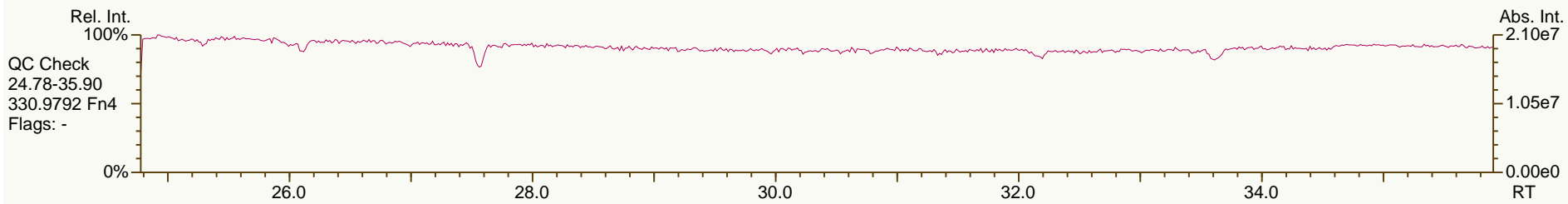
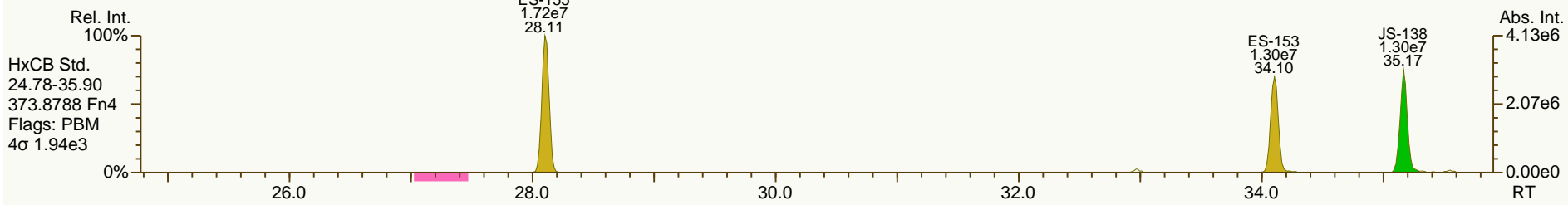
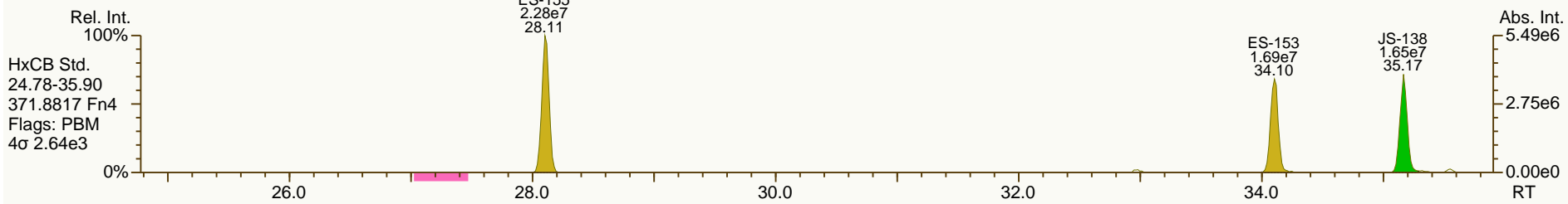
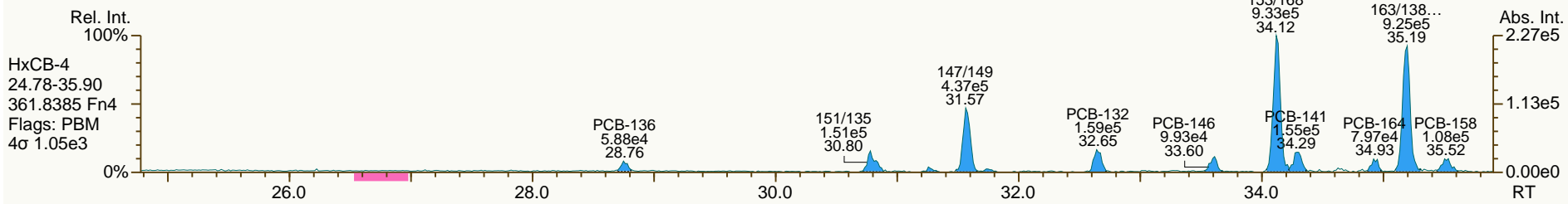
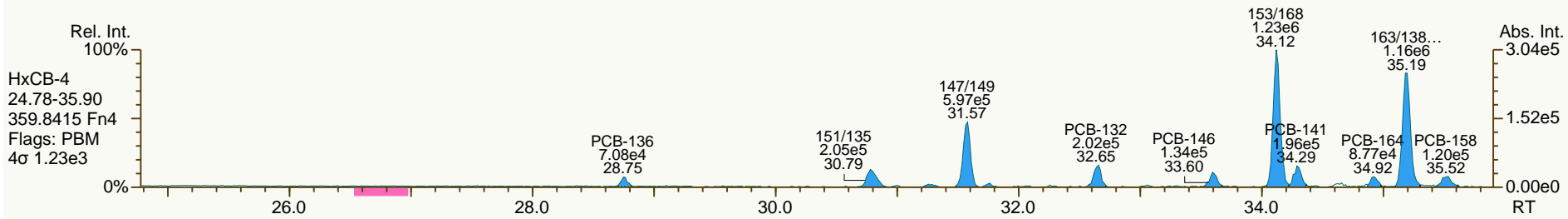
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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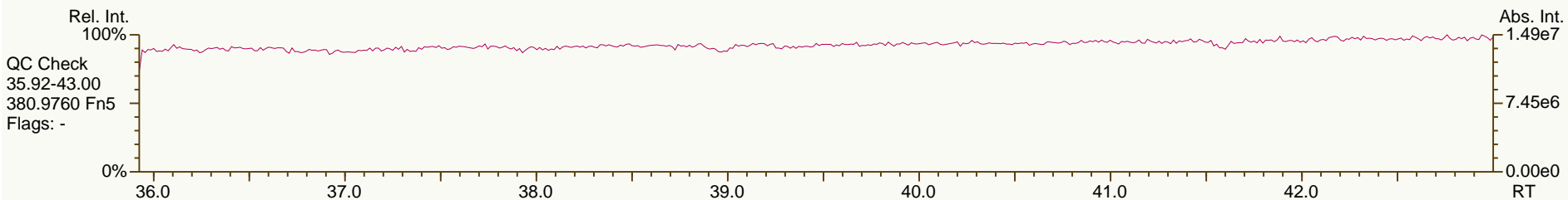
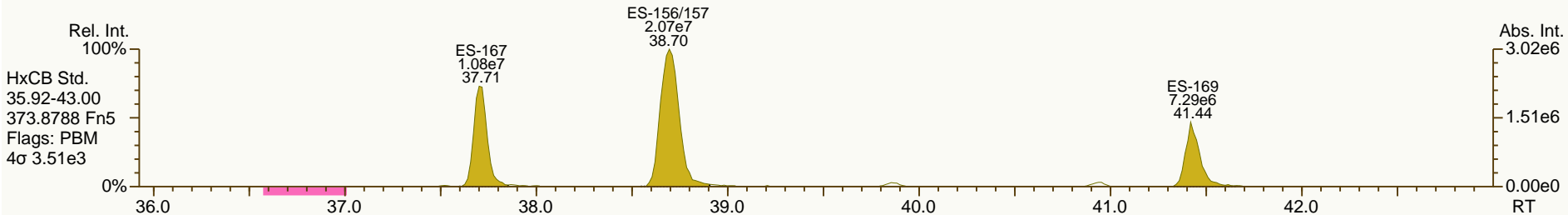
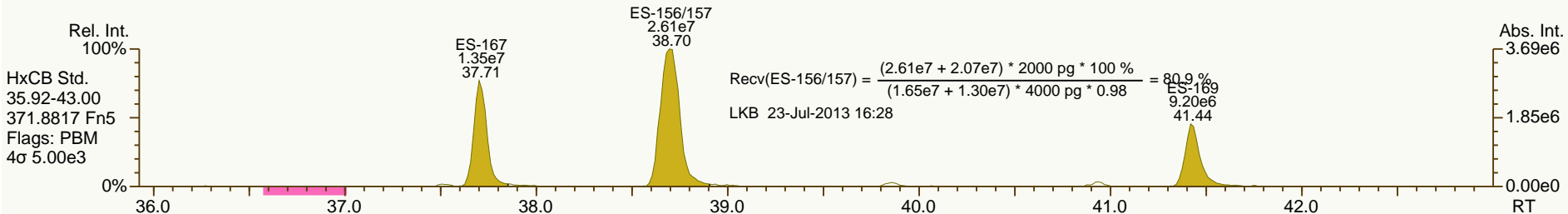
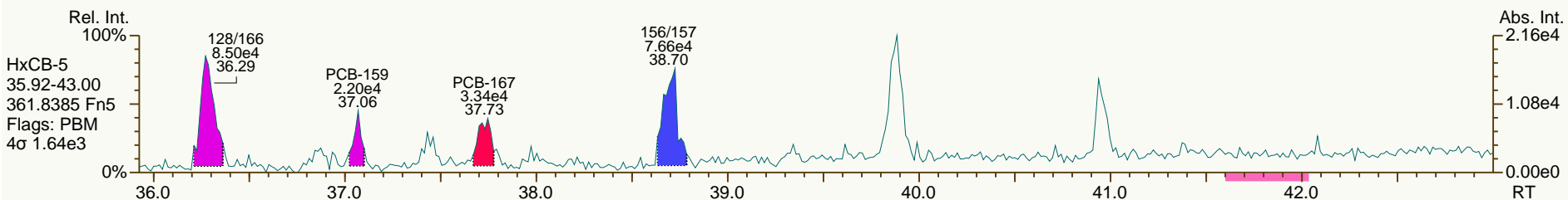
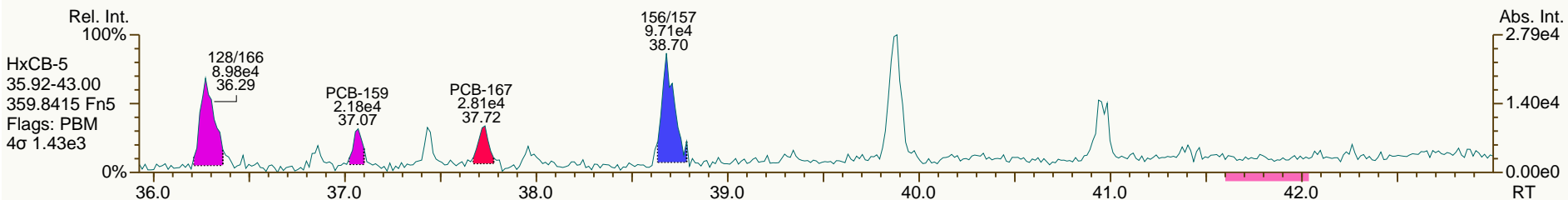
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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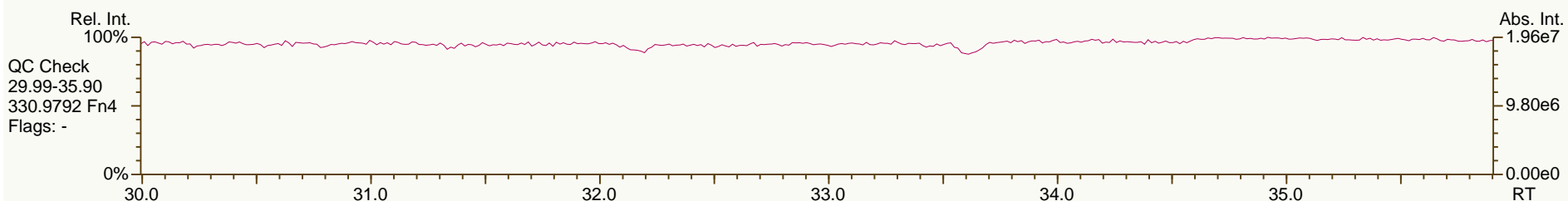
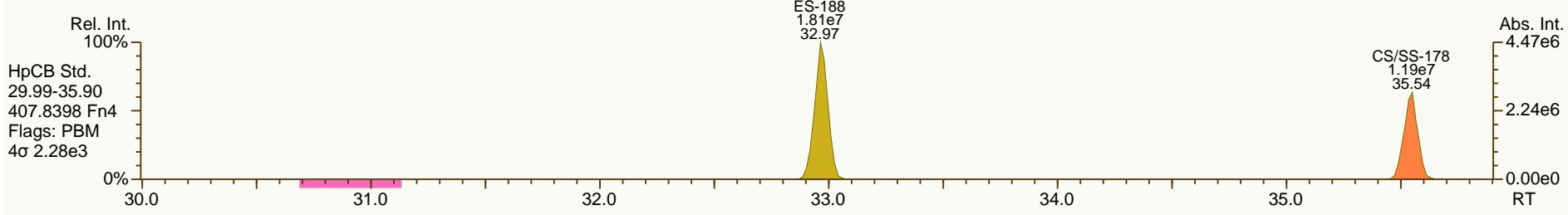
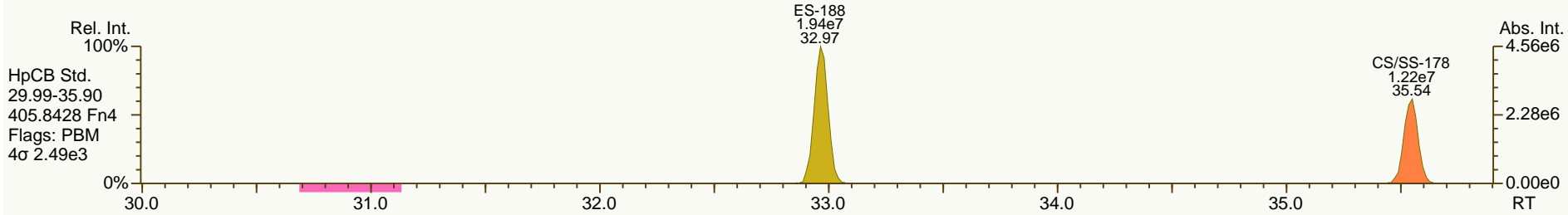
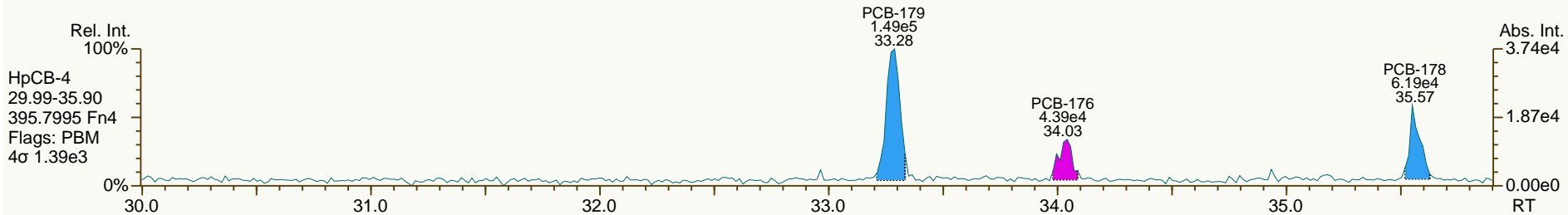
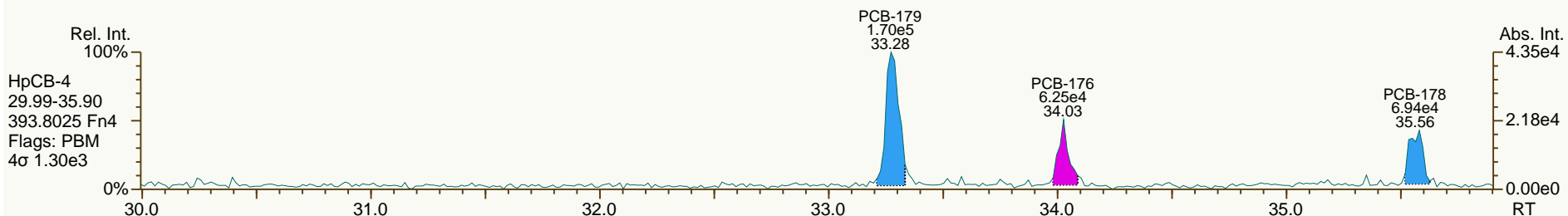
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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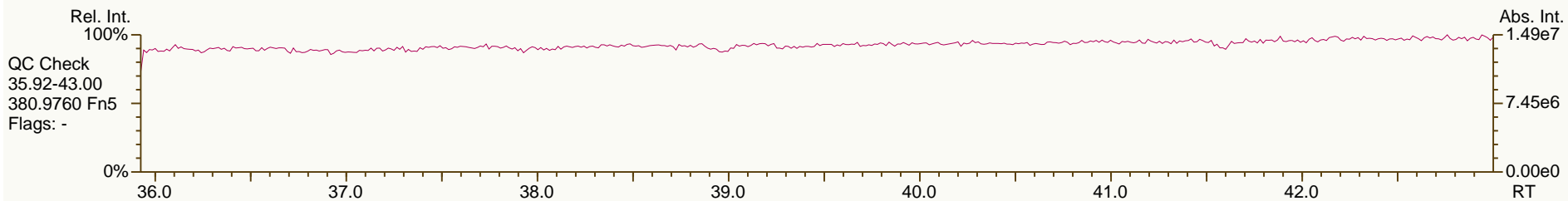
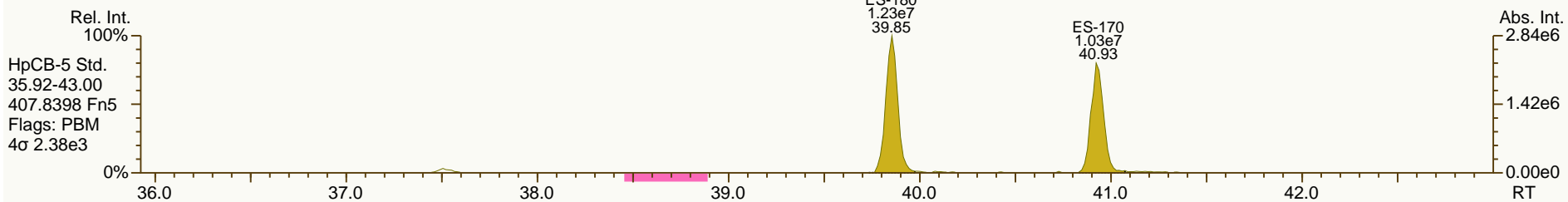
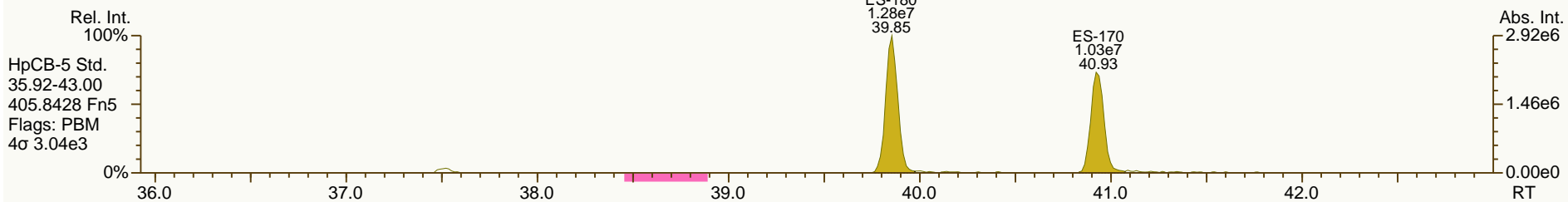
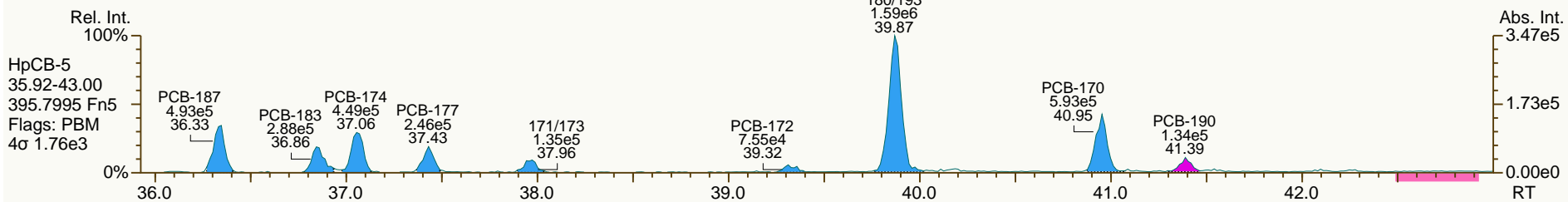
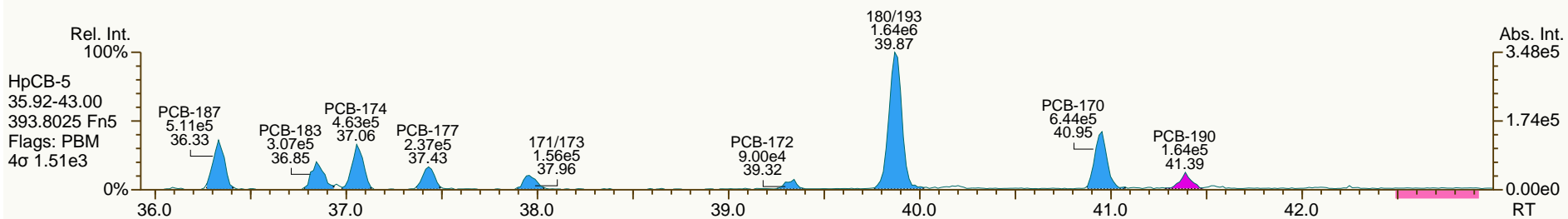
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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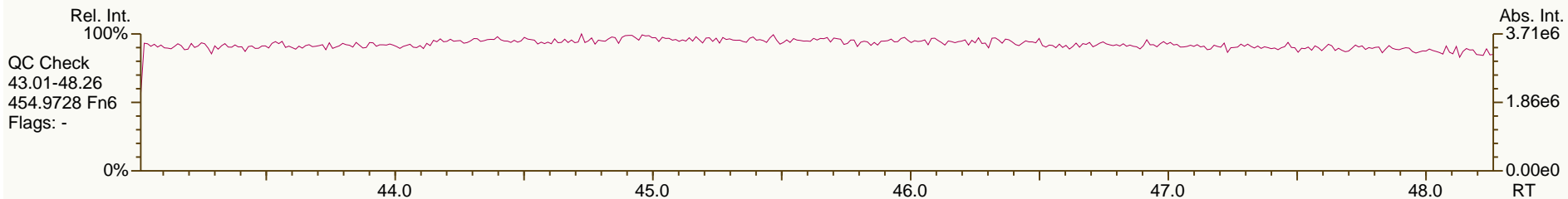
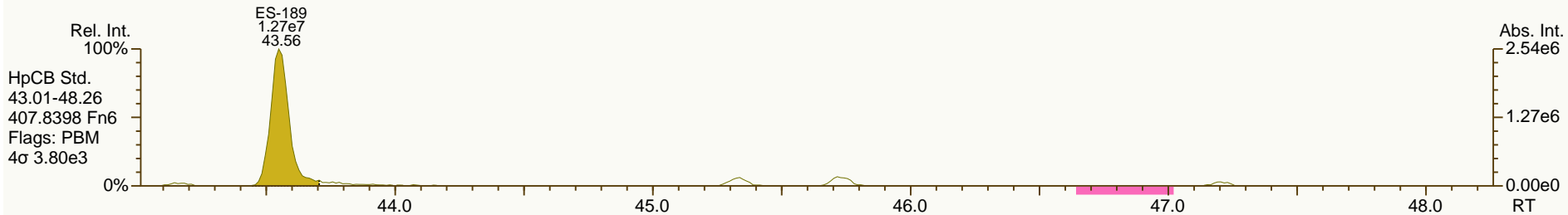
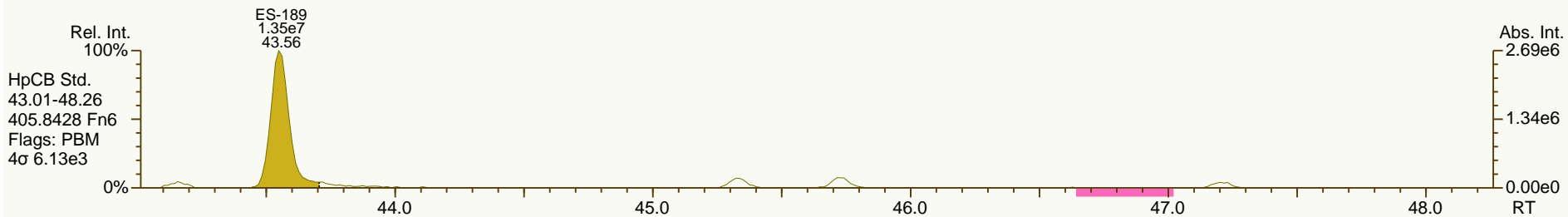
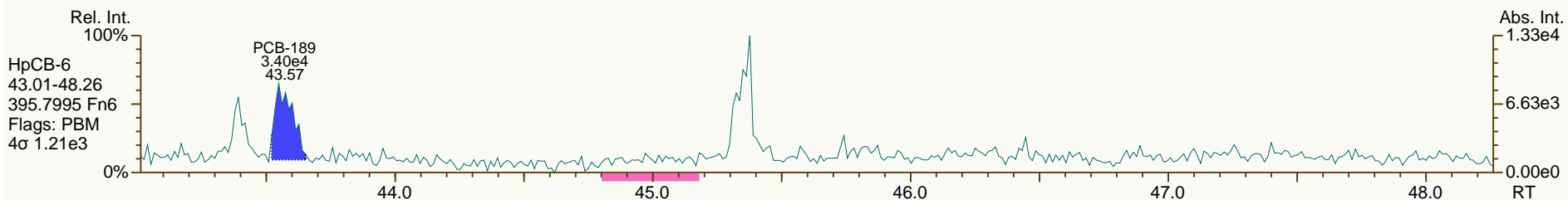
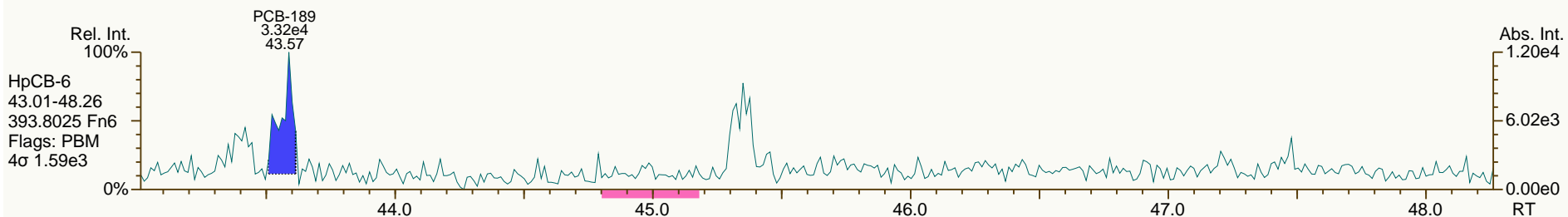
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
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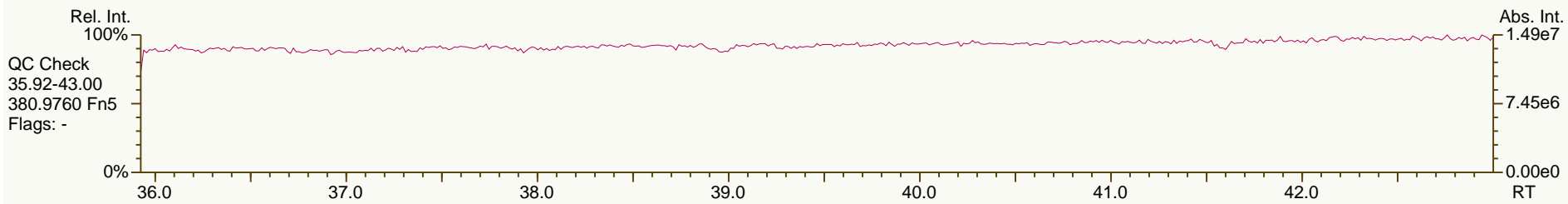
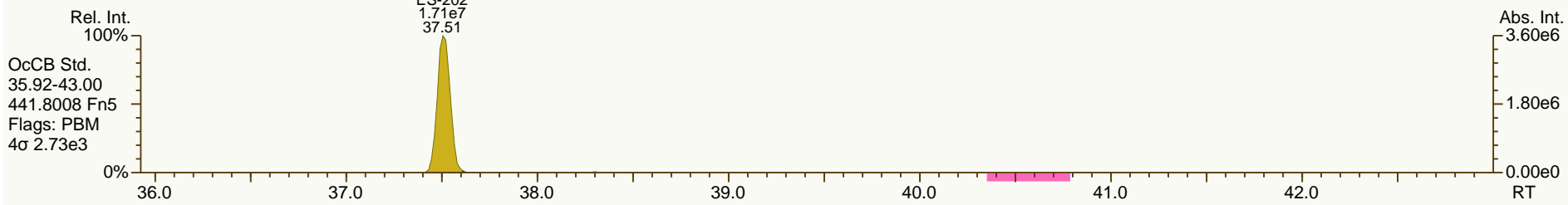
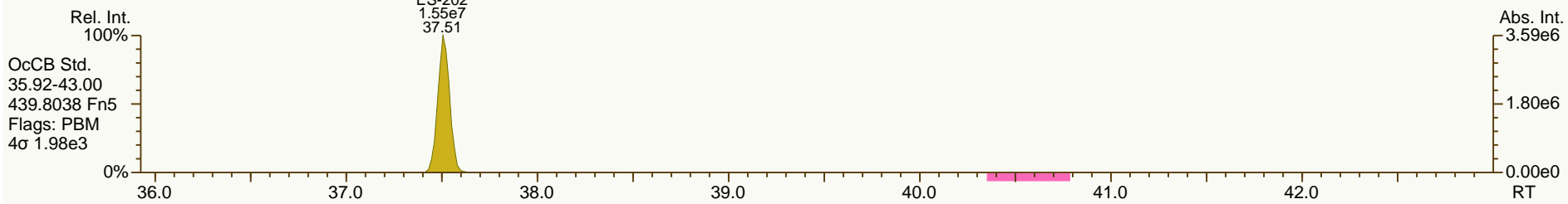
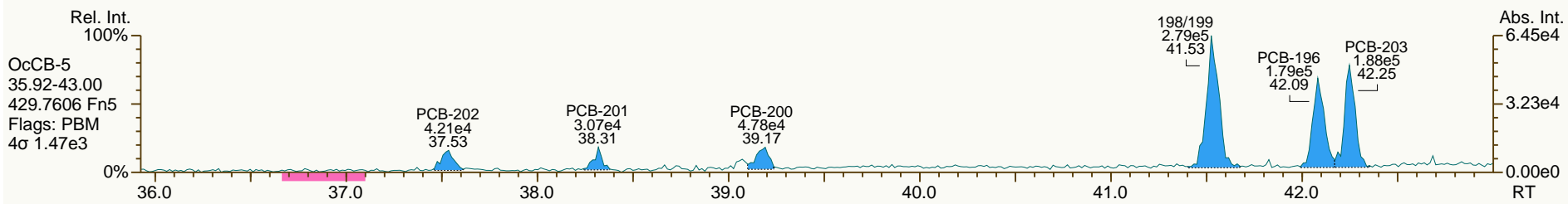
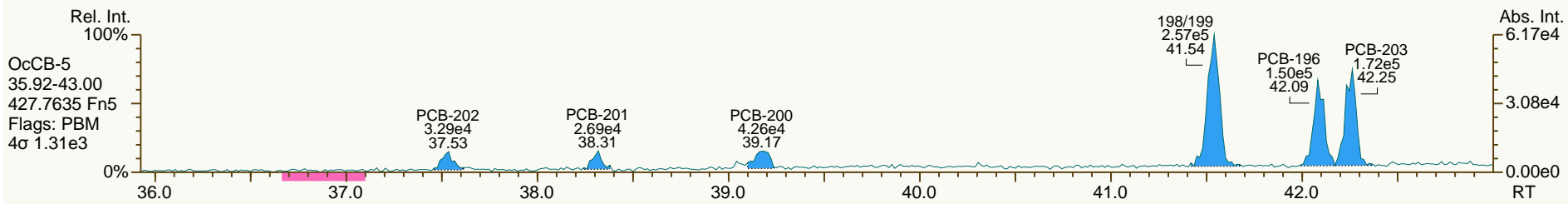
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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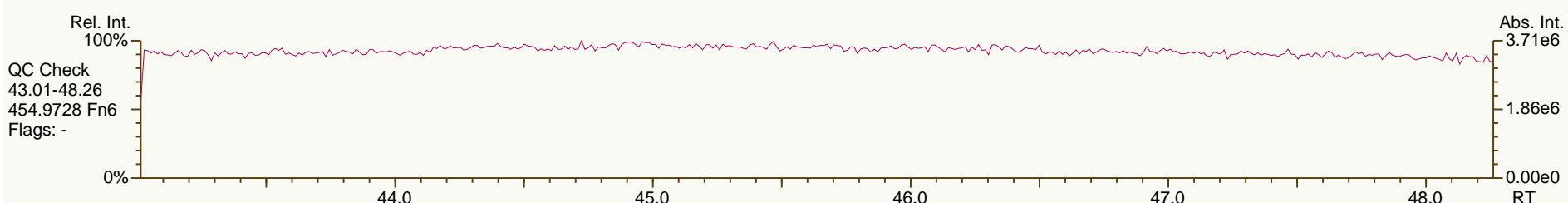
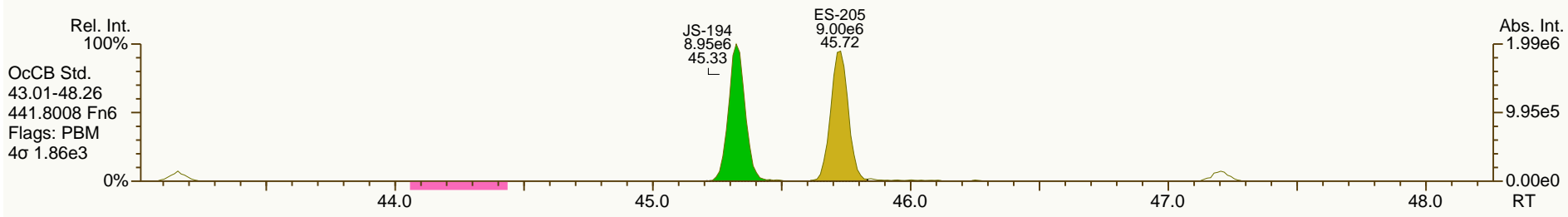
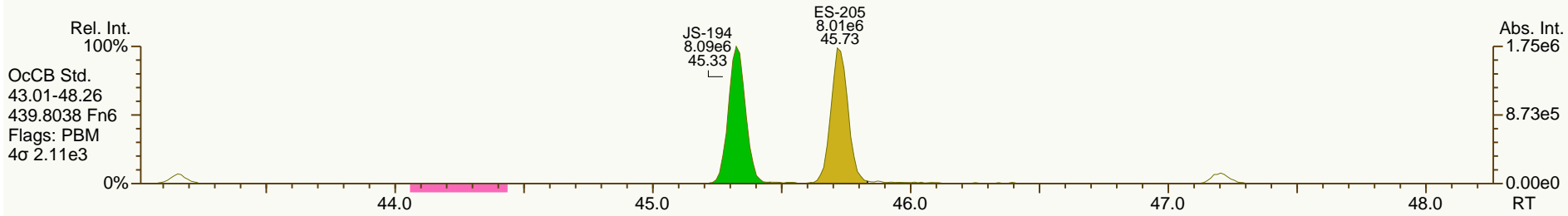
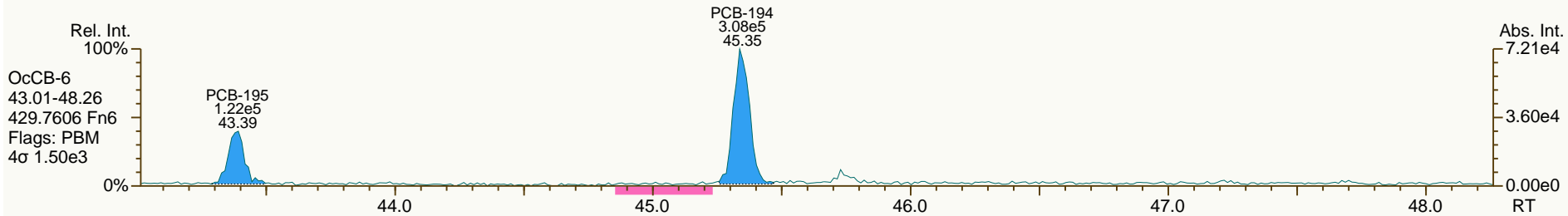
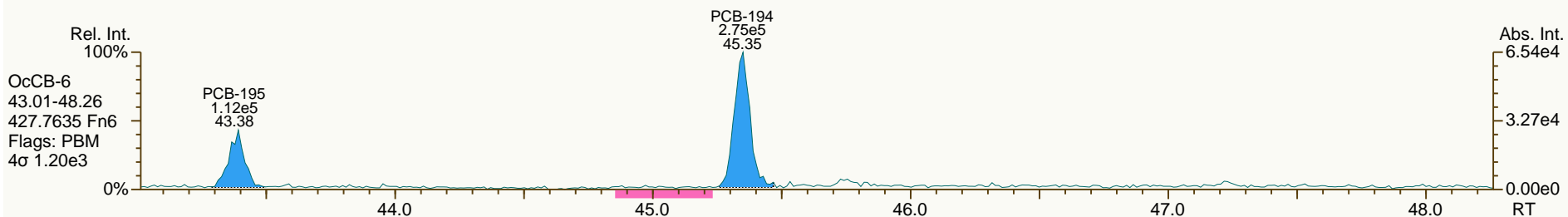
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Sample ID: Method Blank A5698
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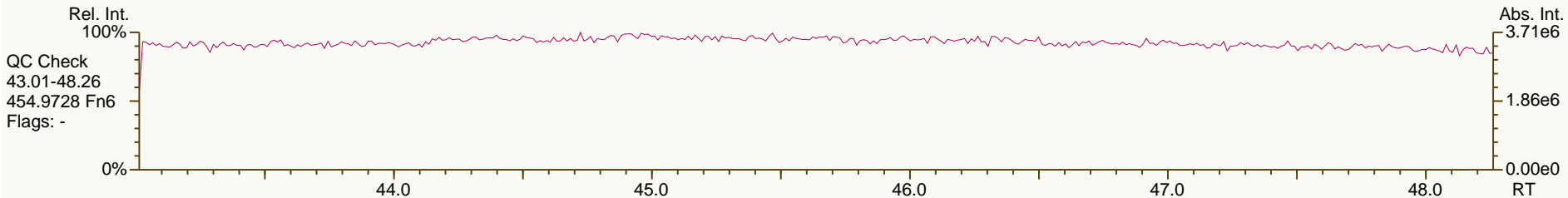
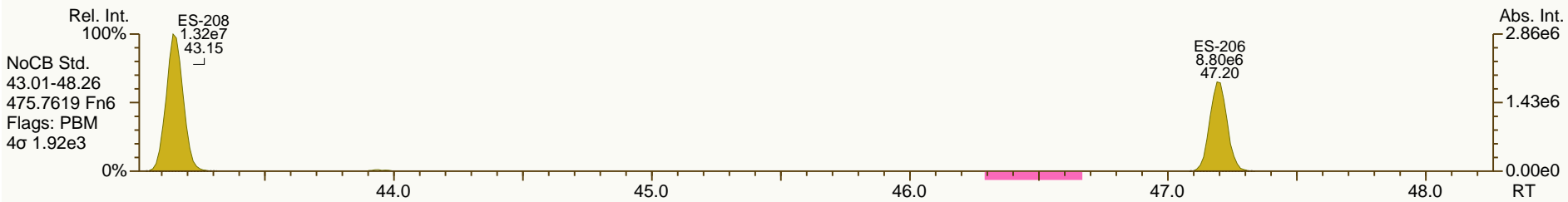
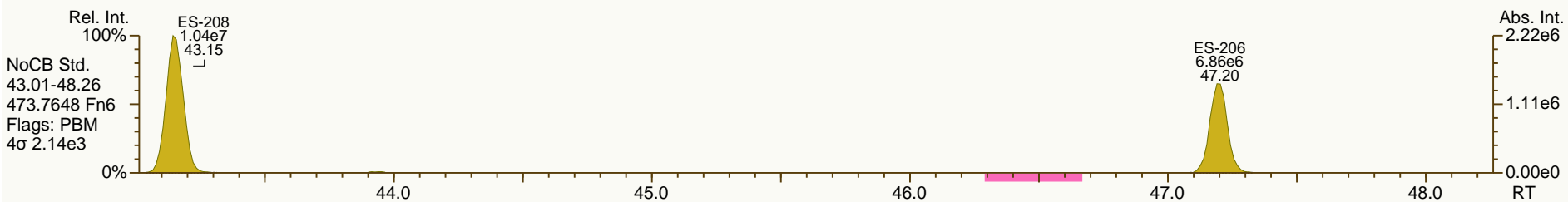
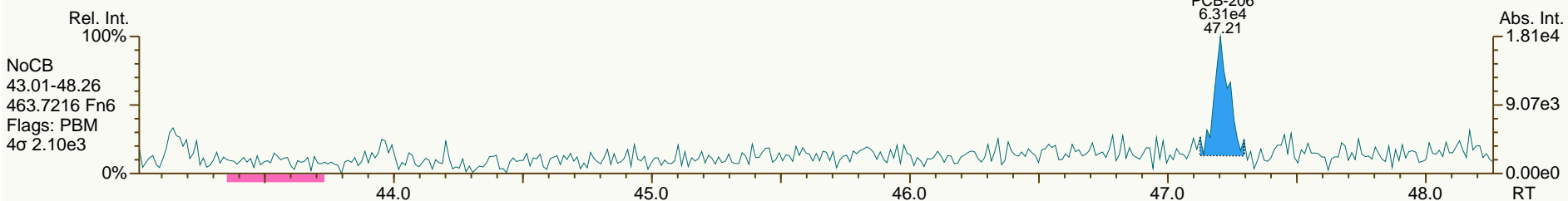
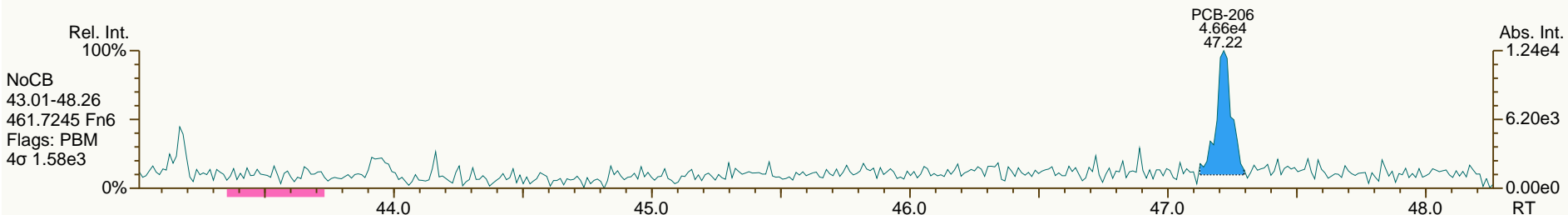
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SGS-AP ID: MB1_11123_PCB_SDS-RJ
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Sample ID: Method Blank A5698
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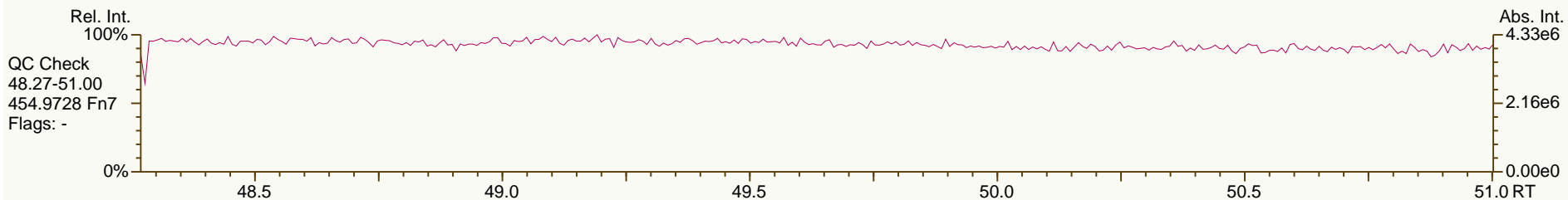
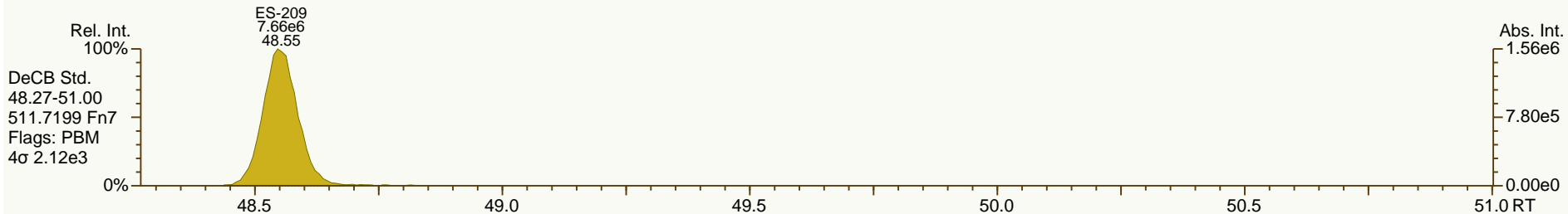
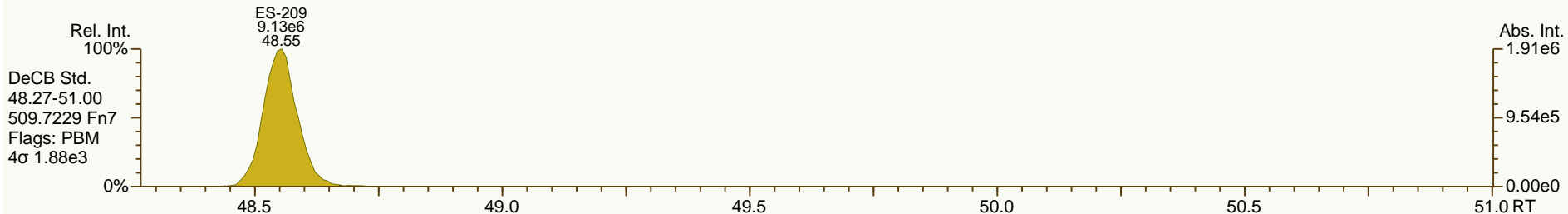
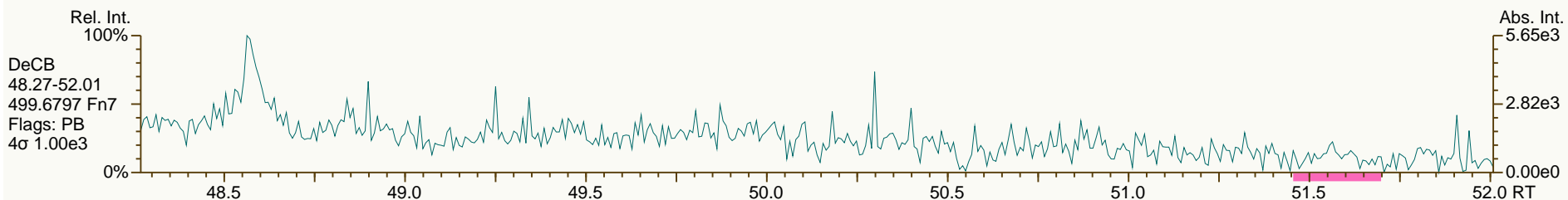
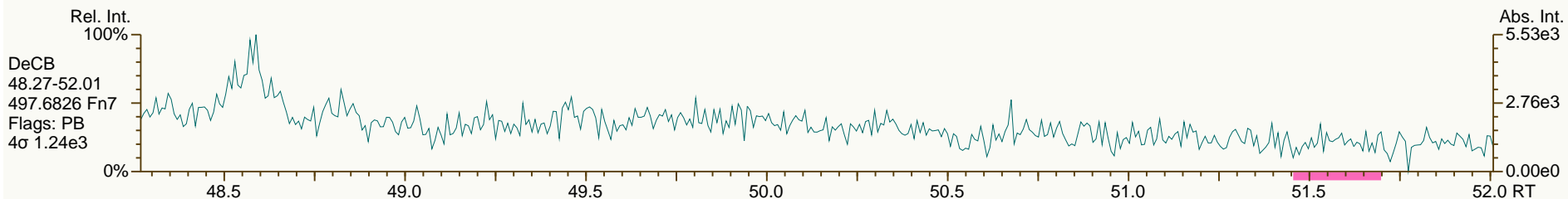
Acq: 19-Jul-2013 15:32:53
 User: JLJ Datafile: 130719V10



SGS-AP ID: MB1_11123_PCB_SDS-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank A5698
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 19-Jul-2013 15:32:53
 User: JLJ Datafile: 130719V10



Lab ID: A5698_11123_PCB_001

ACQ: 19-Jul-2013 16:27:08 JLJ

Wt/Vol: 5.85 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-207-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.71 pg/g Split: 1

Checkcode: 464-072-FJB

Datafile: 130719V11

RPT: 23-Jul-2013 16:19 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	4.22E+06	0.75	1.25	26.5	1.01E+04	0.708
PCB-81 344'5'-TeCB	30.14	J EMPC	1.0005	1.0006	+0.2	2.03E+05	0.93	1.26	1.22	1.01E+04	0.62
PCB-105 233'44'-PeCB	33.59		1.0006	1.0006	0	2.62E+07	0.63	1.06	268	5.90E+03	0.691
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0005	-0.4	1.54E+06	0.63	1.11	13.3	5.90E+03	0.566
PCB-118 23'44'5'-PeCB	32.58		1.0008	1.0007	-0.2	6.94E+07	0.63	1.08	599	5.90E+03	0.578
PCB-123 23'44'5'-PeCB	32.30		1.0006	1.0006	0	1.33E+06	0.62	1.12	11.6	5.90E+03	0.579
PCB-126 33'44'5'-PeCB	36.20	J EMPC	1.0007	1.0005	-0.4	1.90E+05	0.75	1.16	1.56	6.38E+03	0.628
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	8.55E+06	1.26	1.14	88.8	6.16E+03	1.06
PCB-167 23'44'55'-HxCB	37.76		1.0005	1.0005	0	2.73E+06	1.27	1.18	24.9	6.16E+03	0.678
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.16E+03	1.14
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	3.88E+05	1.04	1.12	3.9	3.50E+03	0.429
PCB-209 DeCB	48.62		1.0004	1.0004	0	1.22E+06	1.14	1.11	20.9	2.13E+03	0.438
ES PCB-1	10.55		0.7199	0.7201	+0.1	3.12E+07	3.19	0.97	50.8 %	25%	150%
ES PCB-3	12.59		0.8600	0.8600	0	3.90E+07	3.26	0.90	68.5 %	25%	150%
ES PCB-4	12.83		0.8759	0.8759	0	3.34E+07	1.55	0.70	75.4 %	25%	150%
ES PCB-15	18.17		1.2401	1.2405	+0.4	6.15E+07	1.59	1.02	95.7 %	25%	150%
ES PCB-19	15.68		1.0705	1.0707	+0.2	2.88E+07	1.03	0.53	86.4 %	25%	150%
ES PCB-37	24.32		1.0840	1.0844	+0.6	4.41E+07	1.12	1.29	90.5 %	25%	150%
ES PCB-54	18.44		0.8227	0.8221	-0.7	4.01E+07	0.78	1.43	74.7 %	25%	150%
ES PCB-77	30.59		1.3634	1.3640	+1.1	4.35E+07	0.84	1.20	96.1 %	25%	150%
ES PCB-81	30.12		1.3420	1.3428	+1.4	4.51E+07	0.81	1.16	103 %	25%	150%
ES PCB-104	23.26		0.8213	0.8189	-3.3	3.87E+07	1.54	1.70	72.5 %	25%	150%
ES PCB-105	33.57		1.1849	1.1818	-6.2	3.17E+07	1.58	1.10	92.3 %	25%	150%
ES PCB-114	33.01		1.1652	1.1623	-5.7	3.56E+07	1.55	1.16	98.3 %	25%	150%
ES PCB-118	32.56		1.1492	1.1463	-5.7	3.66E+07	1.58	1.15	101 %	25%	150%
ES PCB-123	32.28		1.1394	1.1365	-5.6	3.50E+07	1.58	1.14	98 %	25%	150%
ES PCB-126	36.18		1.2772	1.2739	-7.2	3.59E+07	1.59	1.34	85.7 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	3.72E+07	1.28	1.14	98.2 %	25%	150%
ES PCB-155	28.22		0.7994	0.8018	+4.1	4.72E+07	1.29	1.61	90.5 %	25%	150%
ES PCB-156/157	38.73		1.1004	1.1004	0	5.78E+07	1.29	0.98	91.5 %	25%	150%
ES PCB-167	37.75		1.0723	1.0723	0	3.17E+07	1.23	1.01	97.2 %	25%	150%
ES PCB-169	41.48		1.1781	1.1784	+0.7	2.17E+07	1.29	0.90	74.8 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	2.51E+07	1.04	1.28	117 %	25%	150%
ES PCB-180	39.90		0.8794	0.8793	-0.2	3.00E+07	1.07	1.54	118 %	25%	150%
ES PCB-188	33.00		0.7275	0.7272	-0.6	4.63E+07	1.06	1.63	88.1 %	25%	150%
ES PCB-189	43.60		0.9610	0.9608	-0.5	3.05E+07	1.05	1.97	92.4 %	25%	150%
ES PCB-202	37.54		0.8277	0.8274	-0.7	3.93E+07	0.89	1.26	96.4 %	25%	150%
ES PCB-205	45.77		1.0088	1.0088	0	1.89E+07	0.91	1.22	92.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.25		1.0412	1.0412	0	1.80E+07	0.81	1.10	97.6 %	25%	150%
ES PCB-208	43.19		0.9520	0.9518	-0.5	2.64E+07	0.79	1.41	112 %	25%	150%
ES PCB-209	48.60		1.0711	1.0710	-0.3	1.79E+07	1.18	1.24	85.6 %	25%	150%
SS PCB-28	20.83		0.9292	0.9289	-0.4	5.26E+07	1.10	1.18	101 %	30%	135%
SS PCB-111	30.61		1.0804	1.0778	-4.8	3.64E+07	1.59	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	3.05E+07	1.01	0.60	110 %	30%	135%
CS PCB-28	20.83		0.9292	0.9289	-0.4	5.26E+07	1.10	1.52	91.8 %	30%	135%
CS PCB-111	30.61		1.0804	1.0778	-4.8	3.64E+07	1.59	1.15	101 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	3.05E+07	1.01	0.98	96.5 %	30%	135%
JS PCB-9	14.65					6.34E+07	1.59				
JS PCB-52	22.43					3.77E+07	0.81				
JS PCB-101	28.40					3.13E+07	1.59				
JS PCB-138	35.20					3.23E+07	1.27				
JS PCB-194	45.37					1.68E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						98.2	98.2	0.343			
Di-CBs						246	246	0.482			
Tri-CBs						839	843	0.668			
Tetra-CBs						1,780	1,780	0.47			
Penta-CBs						4,080	4,080	0.546			
Hexa-CBs						2,730	2,730	0.768			
Hepta-CBs						730	732	0.453			
Octa-CBs						190	190	0.401			
Nona-CBs						44.3	44.3	0.793			
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	2.94E+06	3.05	1.25	25.8	6.34E+03	0.36
PCB-2 3-MoCB	12.44		0.9877	0.9877	0	6.36E+06	3.14	1.26	44.3	6.34E+03	0.328
PCB-3 4-MoCB	12.61		1.0010	1.0010	0	4.07E+06	2.98	1.27	28.1	6.34E+03	0.326
PCB-4 22'-DiCB	12.84		1.0011	1.0012	+0.1	1.12E+06	1.49	0.90	12.8	6.86E+03	0.584
PCB-10 26-DiCB	NotFnd		1.0136	-		0.00E+00		1.40	ND	6.86E+03	0.375
PCB-9 25-DiCB	14.66		1.0010	1.0008	-0.2	6.99E+05	1.38	1.00	3.88	7.92E+03	0.417
PCB-7 24-DiCB	14.81		1.0113	1.0113	0	4.86E+05	SI	1.12	2.4	7.92E+03	0.372
PCB-6 23'-DiCB	15.03		1.0261	1.0262	+0.1	2.30E+06	1.49	1.03	12.4	7.92E+03	0.406
PCB-5 23-DiCB	15.31	J	1.0452	1.0454	+0.2	2.50E+05	SI	1.05	1.33	7.92E+03	0.4
PCB-8 24'-DiCB	15.42		1.0529	1.0530	+0.1	1.16E+07	1.55	1.06	61.2	7.92E+03	0.396
PCB-14 35-DiCB	16.88	J	0.9293	0.9291	-0.2	3.08E+05	SI	1.22	1.4	7.92E+03	0.343
PCB-11 33'-DiCB	17.63	B	0.9704	0.9704	0	1.57E+07	1.51	0.98	89.3	7.92E+03	0.428
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	1.80E+06	1.56	0.98	10.2	7.92E+03	0.426
PCB-15 44'-DiCB	18.18		1.0008	1.0008	0	1.01E+07	1.57	1.10	51.3	7.92E+03	0.381

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.70		1.0011	1.0011	0	3.78E+05	0.95	0.95	4.73	5.58E+03	0.61
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1076	+1.3	7.46E+06	1.04	1.22	72.3	5.58E+03	0.471
PCB-17 22'4-TrCB	17.74		1.1310	1.1311	+0.1	3.47E+06	1.04	1.05	39.1	5.58E+03	0.548
PCB-27 23'6-TrCB	17.93		1.1431	1.1434	+0.3	8.02E+05	1.09	1.39	6.86	5.58E+03	0.416
PCB-24 236-TrCB	18.04	J EMPC	1.1507	1.1507	0	1.04E+05	0.75	1.36	0.905	5.58E+03	0.424
PCB-16 22'3-TrCB	18.15		1.1570	1.1573	+0.3	2.30E+06	1.06	0.82	33.2	5.58E+03	0.704
PCB-32 24'6-TrCB	18.60		1.1861	1.1865	+0.4	3.44E+06	1.05	1.47	27.7	5.58E+03	0.392
PCB-34 23'5'-TrCB	19.71	J EMPC	0.8111	0.8104	-0.8	1.98E+05	1.22	1.53	1	1.25E+04	0.657
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.25E+04	0.636
PCB-26/29 23'5/245-TrCB	20.11	C	0.8282	0.8269	-1.6	5.99E+06	1.04	1.56	29.9	1.25E+04	0.648
PCB-25 23'4-TrCB	20.32		0.8362	0.8354	-1.0	3.35E+06	1.06	1.59	16.3	1.25E+04	0.633
PCB-31 24'5-TrCB	20.59		0.8473	0.8467	-0.7	3.37E+07	1.03	1.62	161	1.25E+04	0.621
PCB-28/20 244'/233'-TrCB	20.85	C	0.8586	0.8574	-1.5	4.32E+07	1.03	1.51	221	1.25E+04	0.666
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8661	+0.6	1.74E+07	1.05	1.58	85.6	1.25E+04	0.639
PCB-22 234'-TrCB	21.41		0.8808	0.8802	-0.8	1.15E+07	1.03	1.45	61.8	1.25E+04	0.697
PCB-36 33'5-TrCB	22.75	J EMPC	0.9359	0.9355	-0.5	3.08E+05	1.33	1.55	1.54	1.25E+04	0.651
PCB-39 34'5-TrCB	23.10	J EMPC	0.9491	0.9496	+0.7	2.35E+05	1.34	1.53	1.19	1.25E+04	0.656
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.25E+04	0.691
PCB-35 33'4-TrCB	23.99		0.9862	0.9862	0	1.08E+06	1.12	1.31	6.36	1.25E+04	0.768
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	1.29E+07	1.04	1.39	72.2	1.25E+04	0.725
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.96E+03	0.303
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	1.72E+06	0.76	0.90	14.5	4.08E+03	0.35
PCB-45 22'36-TeCB	20.94		0.9340	0.9338	-0.3	1.29E+06	0.77	0.84	11.7	4.08E+03	0.376
PCB-51 22'46'-TeCB	21.01		0.9371	0.9369	-0.3	4.49E+05	0.84	0.86	3.96	4.08E+03	0.367
PCB-46 22'36'-TeCB	21.22		0.9464	0.9461	-0.4	4.95E+05	0.80	0.73	5.12	4.08E+03	0.43
PCB-52 22'55'-TeCB	22.45		1.0010	1.0010	0	3.75E+07	0.77	0.85	334	4.08E+03	0.37
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	4.08E+03	0.274
PCB-43 22'35-TeCB	22.66		1.0103	1.0101	-0.3	4.81E+05	0.82	0.74	4.94	4.08E+03	0.426
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	1.57E+07	0.78	1.03	115	4.08E+03	0.304
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	2.81E+06	0.78	0.85	25	4.08E+03	0.369
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0398	-0.8	2.24E+07	0.77	0.91	187	4.08E+03	0.347
PCB-59/62/75 ...-TeCB	23.61	C	1.0523	1.0525	+0.3	1.75E+06	0.76	1.15	11.5	4.08E+03	0.274
PCB-42 22'34'-TeCB	23.78		1.0599	1.0601	+0.3	4.06E+06	0.78	0.82	37.7	4.08E+03	0.386
PCB-41 22'34-TeCB	24.10		1.0743	1.0743	0	7.55E+05	0.74	0.70	8.14	4.08E+03	0.448
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0791	+0.4	6.80E+06	0.77	0.88	58.6	4.08E+03	0.358
PCB-64 234'6-TeCB	24.40		1.0874	1.0877	+0.4	1.03E+07	0.77	1.24	62.8	4.08E+03	0.254
PCB-72 23'55'-TeCB	25.12		0.8338	0.8340	+0.3	5.58E+05	0.89	1.37	3.08	1.01E+04	0.568
PCB-68 23'45'-TeCB	25.37		0.8421	0.8423	+0.3	3.63E+05	0.81	1.44	1.91	1.01E+04	0.543
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	1.01E+04	0.602
PCB-58 233'5'-TeCB	25.94	J EMPC	0.8609	0.8613	+0.6	1.30E+05	1.17	1.29	0.762	1.01E+04	0.605
PCB-67 23'45-TeCB	26.09		0.8659	0.8663	+0.6	1.34E+06	0.78	1.38	7.36	1.01E+04	0.565
PCB-63 234'5-TeCB	26.32		0.8733	0.8739	+0.9	1.45E+06	0.78	1.43	7.72	1.01E+04	0.548
PCB-61/70/74/76 ...-TeCB	26.62	C	0.8835	0.8840	+0.8	8.06E+07	0.77	1.34	457	1.01E+04	0.584
PCB-66 23'44'-TeCB	26.90		0.8921	0.8931	+1.6	3.98E+07	0.77	1.22	247	1.01E+04	0.639
PCB-55 233'4-TeCB	27.05		0.8970	0.8981	+1.8	5.51E+05	0.82	1.27	3.28	1.01E+04	0.614

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.50		0.9116	0.9132	+2.6	1.59E+07	0.77	1.23	98	1.01E+04	0.636
PCB-60 2344'-TeCB	27.70		0.9176	0.9196	+3.3	6.59E+06	0.80	1.24	40.2	1.01E+04	0.628
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.01E+04	0.53
PCB-79 33'45'-TeCB	29.30		0.9723	0.9727	+0.7	1.10E+06	0.77	1.37	6.11	1.01E+04	0.571
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.01E+04	0.682
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.14E+03	0.238
PCB-96 22'366'-PeCB	23.61		1.0149	1.0150	+0.1	3.00E+05	0.71	1.00	2.66	3.14E+03	0.266
PCB-103 22'45'6'-PeCB	25.28		0.8920	0.8900	-3.0	3.72E+05	0.67	0.92	3.97	5.90E+03	0.708
PCB-94 22'356'-PeCB	25.47	J	0.8988	0.8969	-2.9	1.38E+05	0.70	0.80	1.68	5.90E+03	0.81
PCB-95 22'35'6'-PeCB	25.86		0.9122	0.9104	-2.8	3.26E+07	0.62	0.85	375	5.90E+03	0.764
PCB-100/93 22'44'6'/22'356'-PeCB	26.04	C	0.9190	0.9169	-3.3	3.22E+05	0.65	0.87	3.6	5.90E+03	0.742
PCB-102 22'456'-PeCB	26.17		0.9234	0.9215	-3.0	1.03E+06	0.65	0.86	11.7	5.90E+03	0.751
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.90E+03	0.743
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.90E+03	0.888
PCB-91 22'34'6'-PeCB	26.61		0.9382	0.9368	-2.2	5.90E+06	0.62	1.01	57.1	5.90E+03	0.643
PCB-84 22'33'6'-PeCB	26.81		0.9453	0.9438	-2.4	1.04E+07	0.63	0.74	137	5.90E+03	0.875
PCB-89 22'346'-PeCB	27.23		0.9597	0.9587	-1.6	3.32E+05	0.65	0.78	4.14	5.90E+03	0.828
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.90E+03	0.557
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	9.56E+06	0.63	0.83	113	5.90E+03	0.786
PCB-113/90/101 ...-PeCB	28.42	C	0.9999	1.0006	+1.2	6.02E+07	0.62	0.96	613	5.90E+03	0.676
PCB-83 22'33'5'-PeCB	28.78		1.0151	1.0134	-2.9	2.49E+06	0.60	0.69	35.1	5.90E+03	0.936
PCB-99 22'44'5'-PeCB	28.87		1.0182	1.0166	-2.8	2.88E+07	0.63	0.87	324	5.90E+03	0.747
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	5.90E+03	0.58
PCB-108/119/86/97/125...-PeCB	29.34	C	1.0331	1.0330	-0.2	4.15E+07	0.63	0.95	427	5.90E+03	0.683
PCB-117 234'56'-PeCB	29.83		1.0524	1.0502	-3.9	1.86E+06	0.61	0.98	18.6	5.90E+03	0.663
PCB-116/85 23456/22'344'-PeCB	29.91	C	1.0553	1.0530	-4.1	9.30E+06	0.62	0.98	92.2	5.90E+03	0.659
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0577	-4.1	7.70E+07	0.63	0.95	788	5.90E+03	0.68
PCB-115 2344'6'-PeCB	30.13		1.0628	1.0607	-3.8	3.84E+06	0.63	1.24	30.3	5.90E+03	0.524
PCB-82 22'33'4'-PeCB	30.32		1.0701	1.0674	-4.9	5.23E+06	0.62	0.72	70.8	5.90E+03	0.9
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.90E+03	0.561
PCB-120 23'455'-PeCB	31.02		1.0950	1.0923	-5.0	2.95E+05	0.63	1.13	2.54	5.90E+03	0.572
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	2.59E+06	0.61	1.01	24.9	5.90E+03	0.64
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	4.89E+06	0.61	1.09	43.8	5.90E+03	0.595
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.90E+03	0.648
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0096	-0.4	8.98E+05	0.64	0.94	9.23	5.90E+03	0.673
PCB-127 33'455'-PeCB	34.87	J EMPC	1.0372	1.0388	+3.3	1.28E+05	0.79	1.03	1.34	5.90E+03	0.711
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.77E+03	0.186
PCB-152 22'3566'-HxCB	28.41	J EMPC	1.0070	1.0067	-0.5	6.30E+04	0.90	1.00	0.455	2.77E+03	0.203
PCB-150 22'34'66'-HxCB	28.52	J	1.0119	1.0106	-2.2	1.59E+05	1.17	1.02	1.13	2.77E+03	0.2
PCB-136 22'33'66'-HxCB	28.81		1.0230	1.0209	-3.6	8.31E+06	1.25	0.91	66	2.77E+03	0.223
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.77E+03	0.217
PCB-148 22'34'56'-HxCB	30.31	J	1.0772	1.0740	-5.8	1.36E+05	1.12	1.01	1.23	2.77E+03	0.274
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0925	-6.3	1.61E+07	1.23	0.97	152	2.77E+03	0.286
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.0995	-6.1	1.26E+06	1.15	1.10	10.5	2.77E+03	0.253
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1090	-6.4	2.38E+06	1.17	1.00	21.8	2.77E+03	0.277

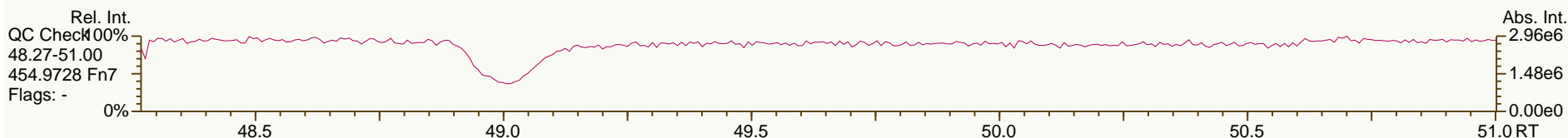
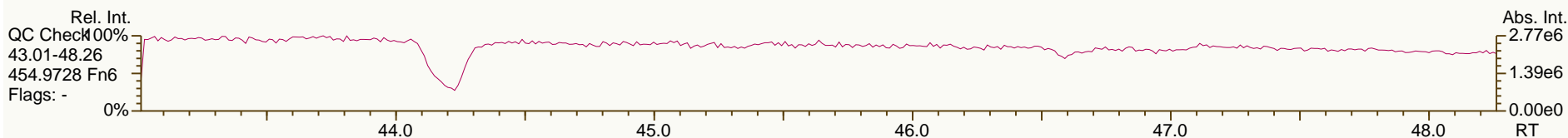
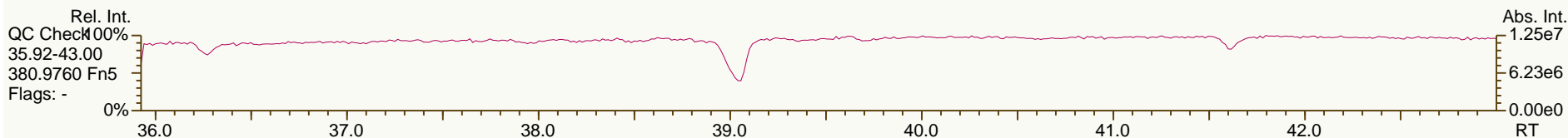
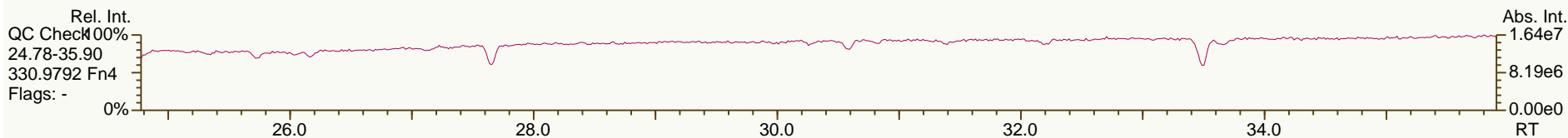
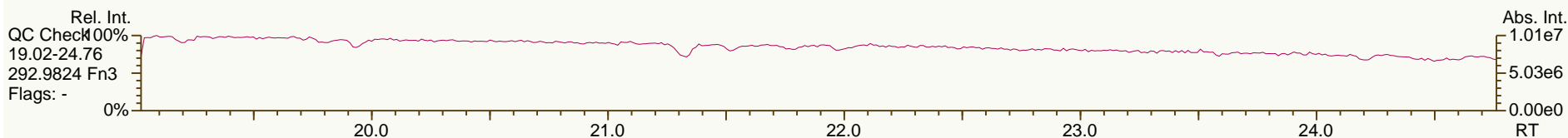
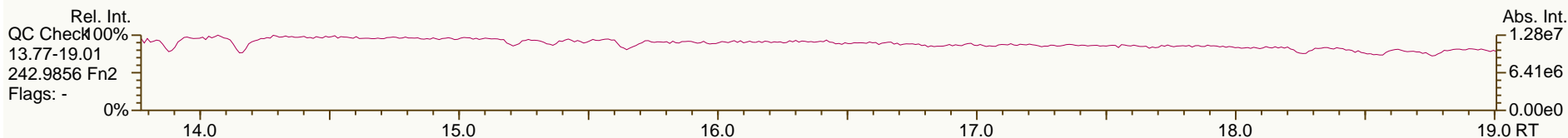
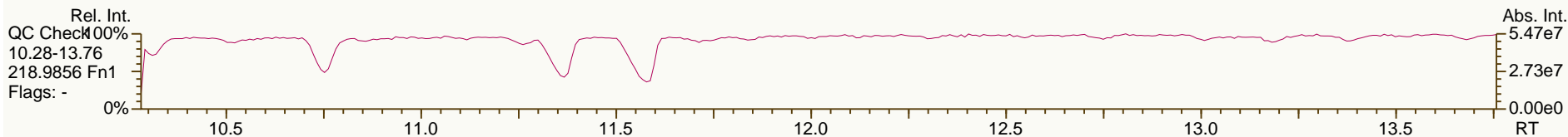
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1197	-6.4	4.37E+07	1.24	0.99	404	2.77E+03	0.28
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1261	-6.1	3.39E+06	1.20	0.82	38.1	2.77E+03	0.341
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.77E+03	0.286
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1377	-6.7	1.50E+06	1.21	1.01	13.6	2.77E+03	0.276
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1440	-6.8	8.27E+05	1.16	0.88	8.62	2.77E+03	0.316
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.77E+03	0.31
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1577	-7.1	1.94E+07	1.25	0.91	196	2.77E+03	0.306
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1722	-6.9	1.18E+06	1.28	0.93	11.7	2.77E+03	0.301
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.77E+03	0.252
PCB-146 22'34'55"-HxCB	33.63		0.9555	0.9555	0	1.06E+07	1.23	0.96	102	2.77E+03	0.291
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.77E+03	0.219
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	6.24E+07	1.24	1.24	463	2.77E+03	0.225
PCB-141 22'3455"-HxCB	34.33		0.9751	0.9751	0	9.80E+06	1.23	0.95	94.4	2.77E+03	0.292
PCB-130 22'33'45"-HxCB	34.67		0.9850	0.9850	0	4.36E+06	1.24	0.83	48.5	2.77E+03	0.337
PCB-137 22'344'5"-HxCB	34.86		0.9904	0.9903	-0.2	3.65E+06	1.23	1.02	32.8	2.77E+03	0.273
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	5.66E+06	1.27	1.18	44.1	2.77E+03	0.236
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	7.46E+07	1.24	0.96	714	2.77E+03	0.29
PCB-160 233'456"-HxCB	35.39		1.0045	1.0054	+1.9	9.92E+05	1.17	1.24	7.33	2.77E+03	0.224
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0100	-0.2	9.82E+06	1.21	1.29	69.8	2.77E+03	0.216
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9619	+0.9	9.74E+06	1.24	0.97	109	6.16E+03	0.827
PCB-159 233'455"-HxCB	37.10		0.9832	0.9828	-0.9	3.33E+05	1.16	1.11	3.24	6.16E+03	0.722
PCB-162 233'4'55"-HxCB	37.35		0.9896	0.9896	0	2.21E+05	1.29	1.08	2.2	6.16E+03	0.737
PCB-188 22'34'566"-HpCB	33.03	J EMPC	1.0007	1.0009	+0.4	4.54E+04	1.36	0.98	0.341	2.39E+03	0.189
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	4.72E+06	1.00	0.92	37.8	2.39E+03	0.201
PCB-184 22'344'66"-HpCB	33.75	J	1.0229	1.0229	0	4.07E+04	1.15	0.92	0.328	2.39E+03	0.202
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0322	0	1.37E+06	1.09	1.01	9.94	2.39E+03	0.183
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.39E+03	0.192
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0788	+0.2	2.04E+06	1.06	0.72	21	2.39E+03	0.259
PCB-175 22'33'45'6"-HpCB	36.14		1.0951	1.0952	+0.2	3.69E+05	1.05	1.01	4.16	4.37E+03	0.558
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1021	+0.2	1.12E+07	1.03	1.09	117	4.37E+03	0.519
PCB-182 22'344'56"-HpCB	36.54	J EMPC	1.1073	1.1072	-0.2	1.14E+05	1.36	1.11	1.17	4.37E+03	0.509
PCB-183 22'344'5'6"-HpCB	36.88		1.1177	1.1177	0	4.66E+06	1.03	1.05	50.5	4.37E+03	0.536
PCB-185 22'3455'6"-HpCB	36.96		1.1202	1.1202	0	7.70E+05	1.00	1.05	8.36	4.37E+03	0.539
PCB-174 22'33'456"-HpCB	37.09		1.1240	1.1241	+0.2	6.57E+06	1.02	0.93	80.2	4.37E+03	0.605
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1353	-0.2	4.57E+06	1.04	0.92	56.6	4.37E+03	0.614
PCB-181 22'344'56"-HpCB	37.80	J	1.1454	1.1457	+0.7	1.14E+05	0.93	1.03	1.26	4.37E+03	0.55
PCB-171/173 ...-HpCB	38.00	C	1.1512	1.1516	+0.9	2.31E+06	0.99	0.91	29	4.37E+03	0.621
PCB-172 22'33'455"-HpCB	39.36		0.9027	0.9028	+0.2	1.22E+06	1.06	0.89	15.7	4.37E+03	0.636
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.37E+03	0.501
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	1.71E+07	1.04	1.07	183	4.37E+03	0.528
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	4.84E+05	1.10	1.16	4.75	4.37E+03	0.486
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	6.50E+06	1.05	0.99	89	4.37E+03	0.7
PCB-190 233'44'56"-HpCB	41.44	B	0.9503	0.9504	+0.2	1.66E+06	1.05	1.27	17.8	4.37E+03	0.548
PCB-202 22'33'55'66"-OoCB	37.56		1.0006	1.0006	0	1.34E+06	0.89	0.86	13.5	2.46E+03	0.265
PCB-201 22'33'45'66"-OoCB	38.35		1.0214	1.0214	0	7.02E+05	0.89	0.95	6.43	2.46E+03	0.241

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	2.46E+03	0.256
PCB-197 22'33'44'66'-OcCB	39.11	J	1.0417	1.0418	+0.2	1.45E+05	0.98	0.93	1.36	2.46E+03	0.247
PCB-200 22'33'4566'-OcCB	39.21	B	1.0444	1.0444	0	5.18E+05	1.00	0.92	4.9	2.46E+03	0.249
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1074	+2.0	3.59E+06	0.88	0.64	48.6	2.46E+03	0.357
PCB-196 22'33'44'56'-OcCB	42.13	B	1.1220	1.1222	+0.5	1.52E+06	0.88	0.66	20.2	2.46E+03	0.348
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1266	+0.8	2.51E+06	0.88	0.68	32.1	2.46E+03	0.336
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9487	-0.5	8.03E+05	0.87	0.89	16.3	2.94E+03	0.685
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	2.29E+06	0.92	0.92	45.1	2.94E+03	0.663
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0003	-0.3	1.20E+05	0.98	1.13	1.91	2.94E+03	0.538
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	7.93E+05	0.76	1.03	9.95	4.18E+03	0.6
PCB-207 22'33'44'566'-NoCB	43.99		1.0187	1.0186	-0.3	3.00E+05	0.76	1.00	3.89	4.18E+03	0.622
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0004	0	1.56E+06	0.75	0.97	30.5	4.18E+03	0.987

SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

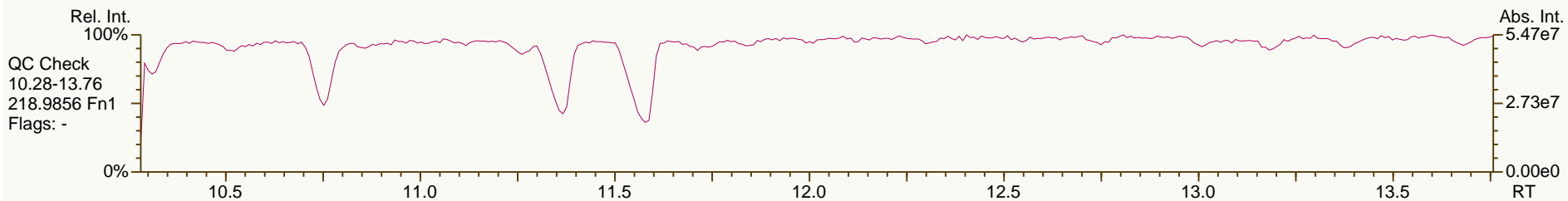
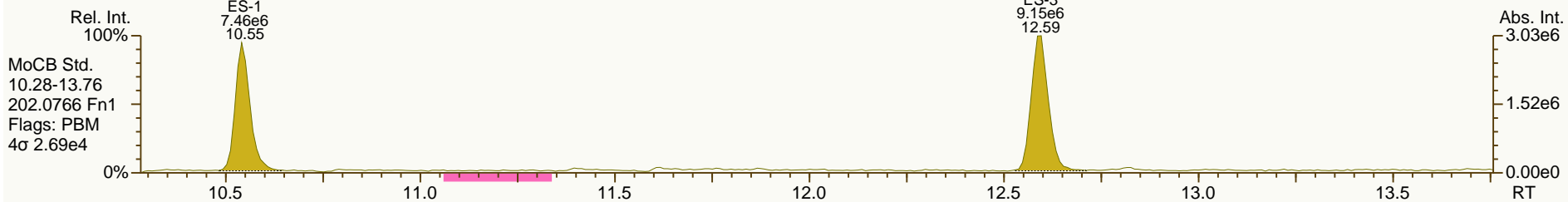
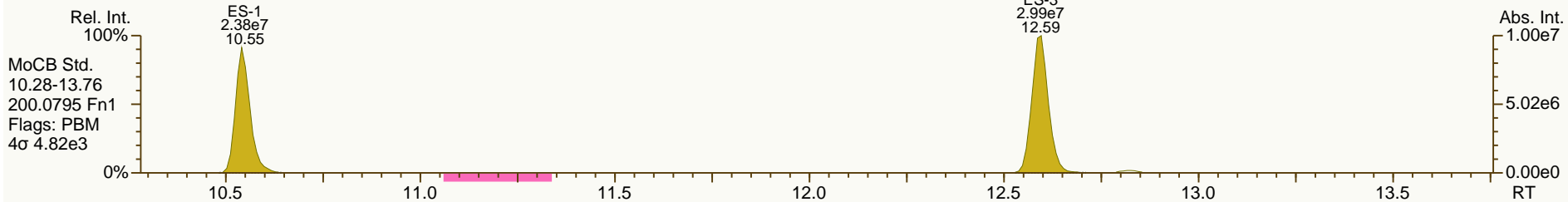
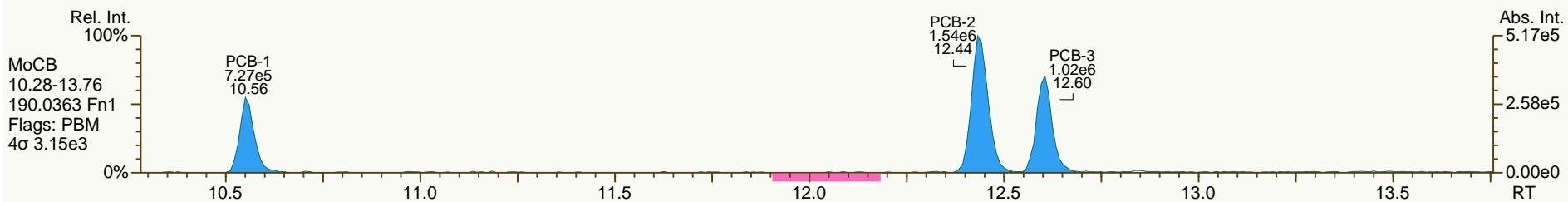
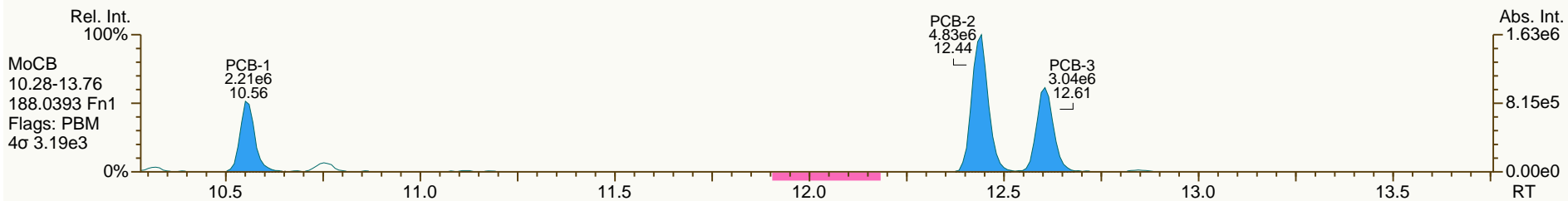
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Sample ID: JW-SS-207-130429
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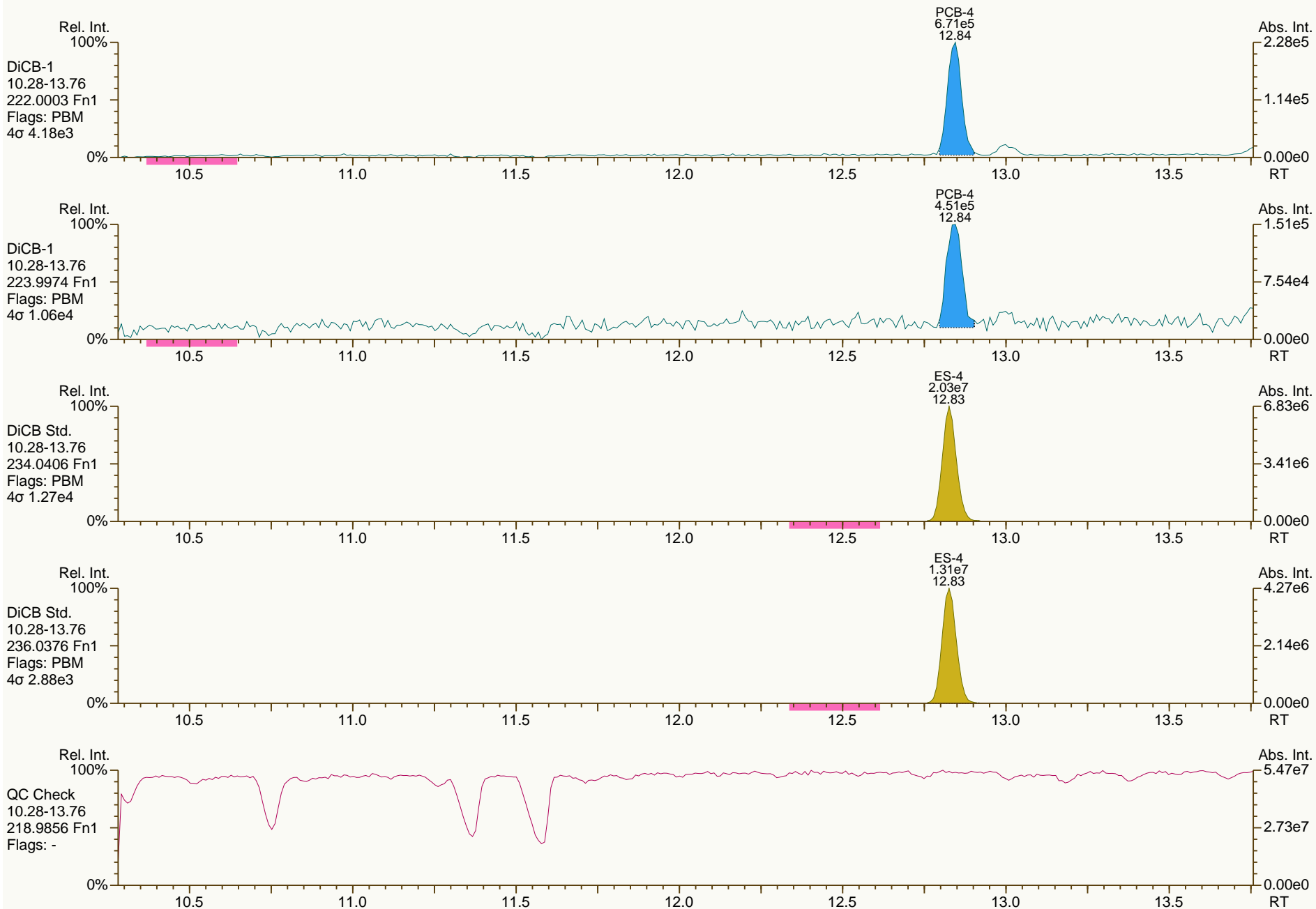
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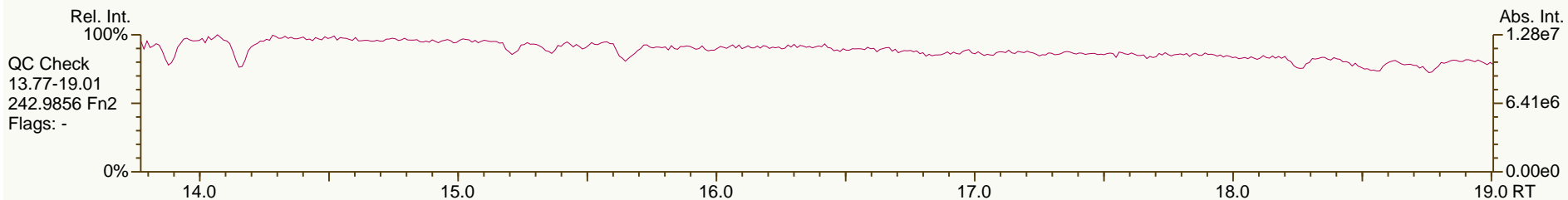
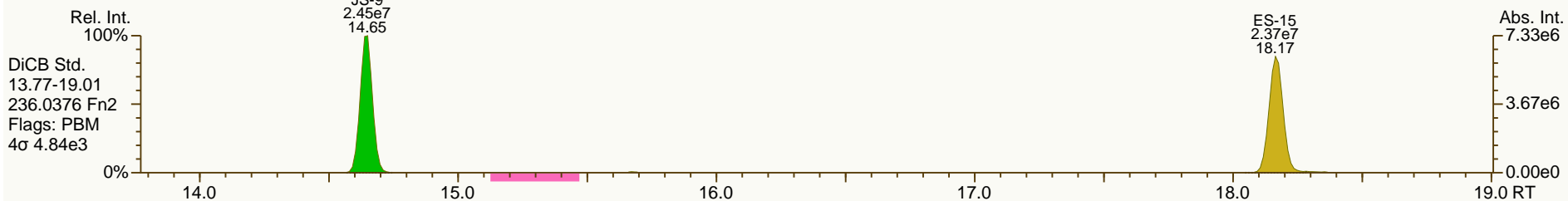
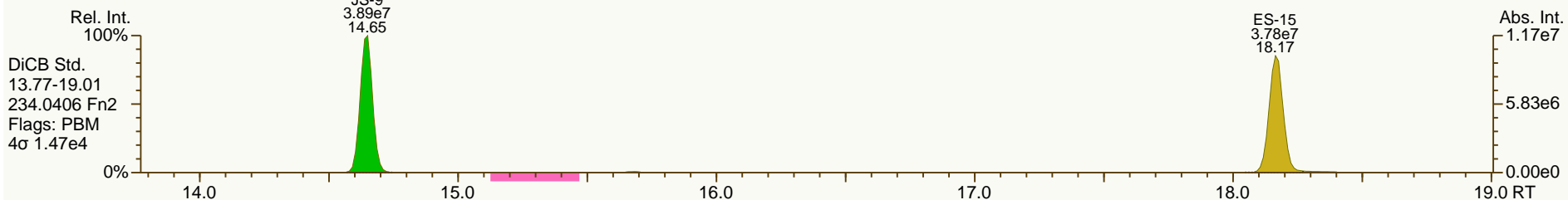
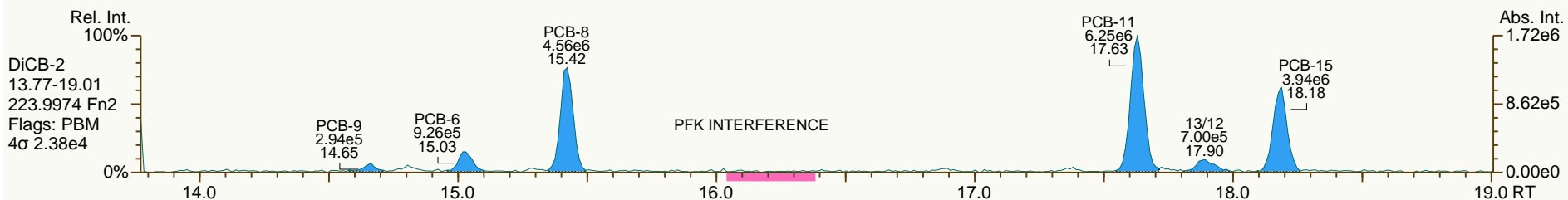
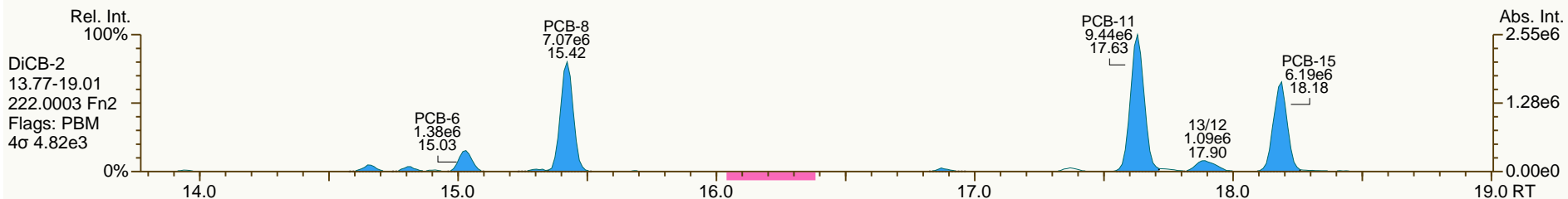
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SGS-AP ID: A5698_11123_PCB_001
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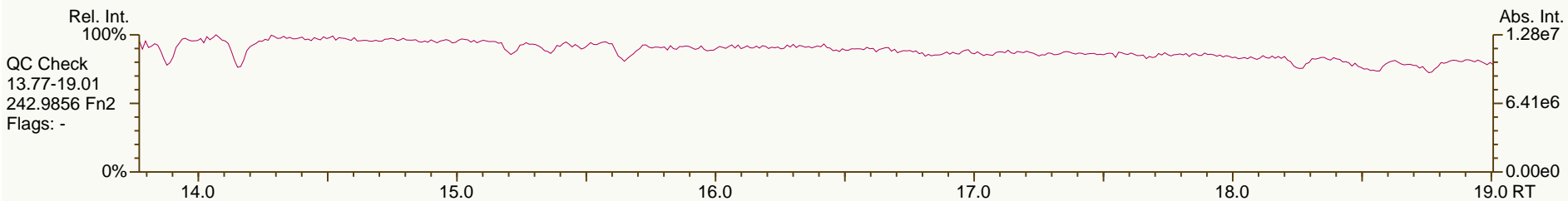
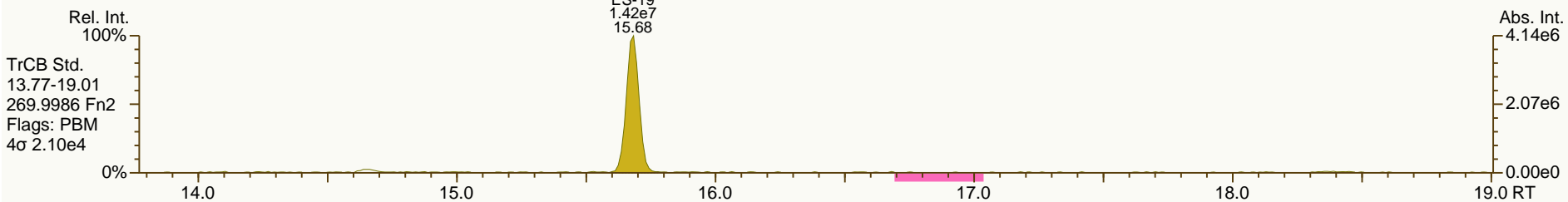
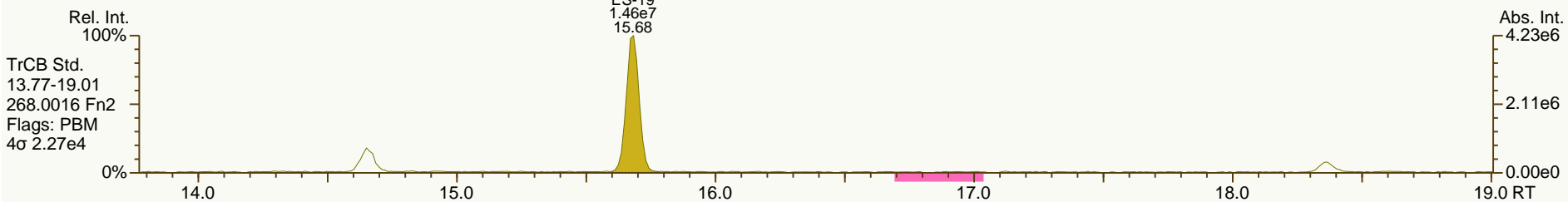
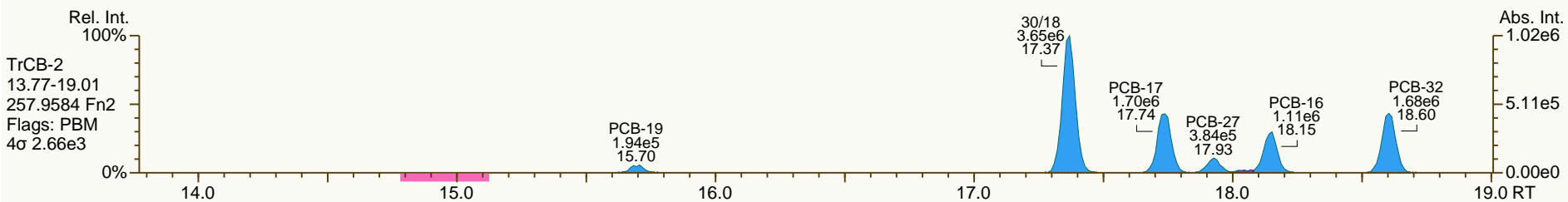
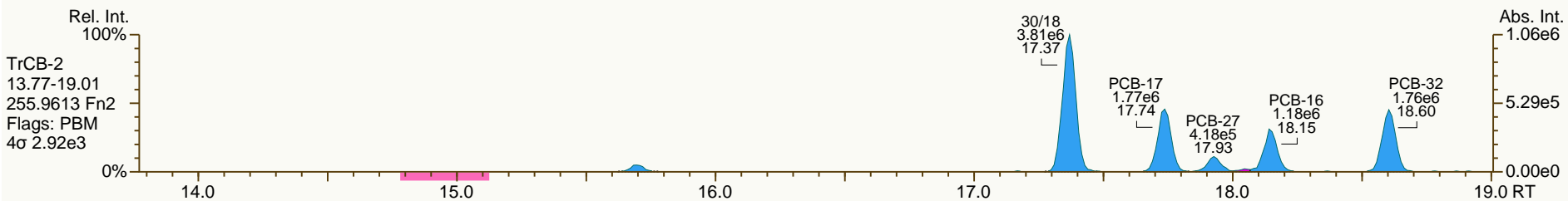
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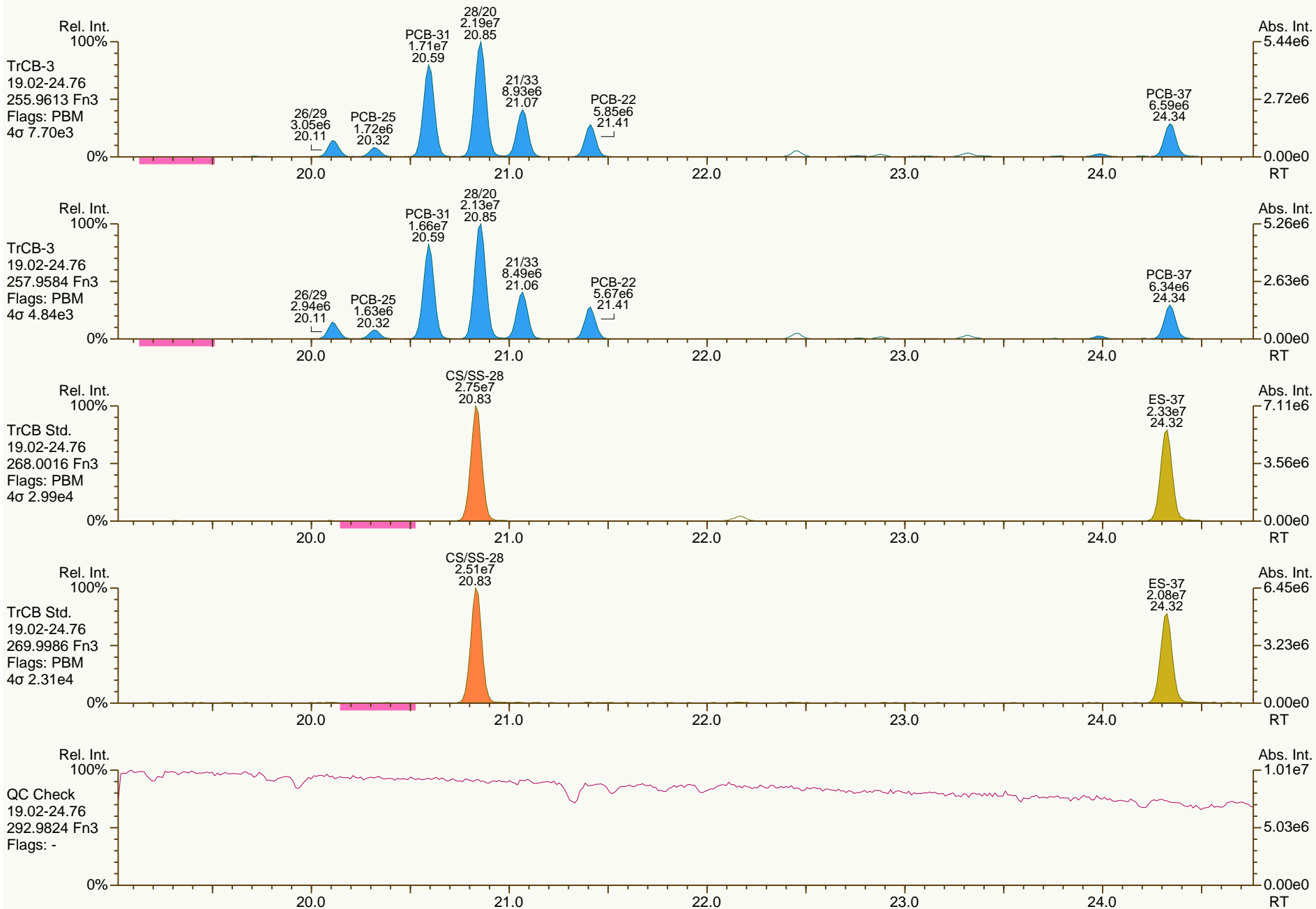
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Sample ID: JW-SS-207-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

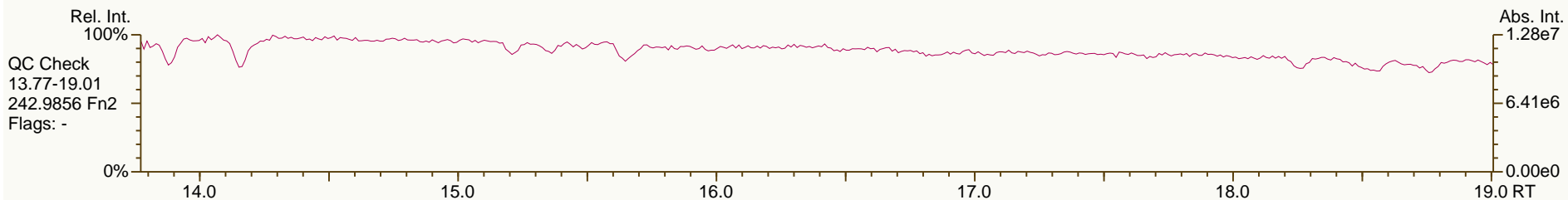
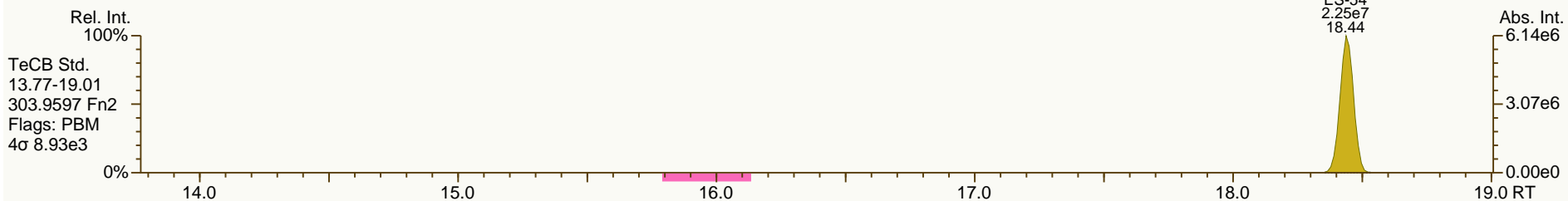
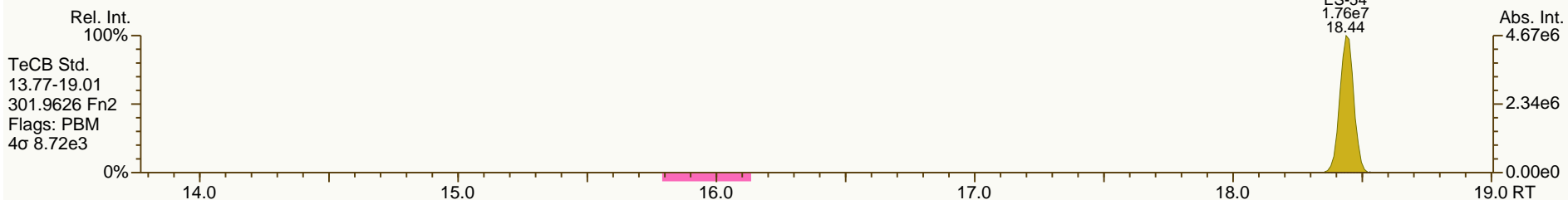
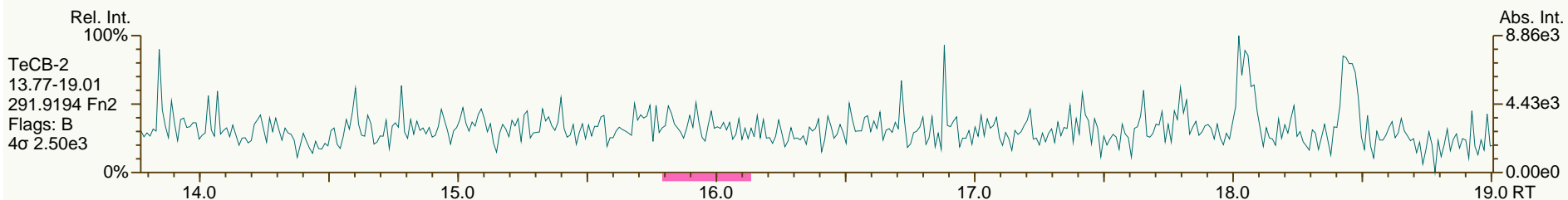
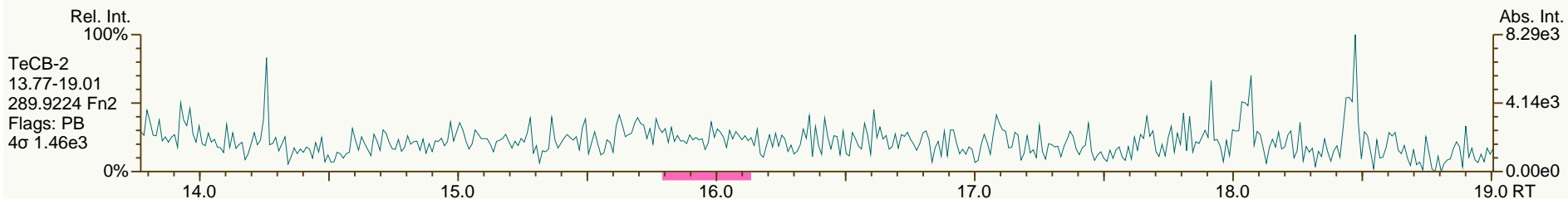
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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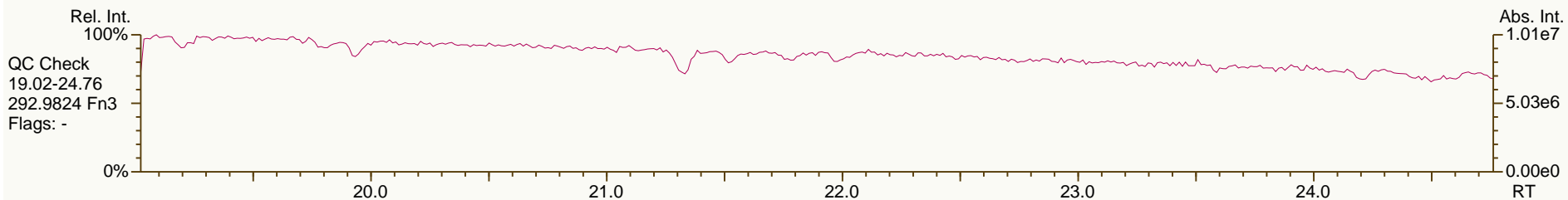
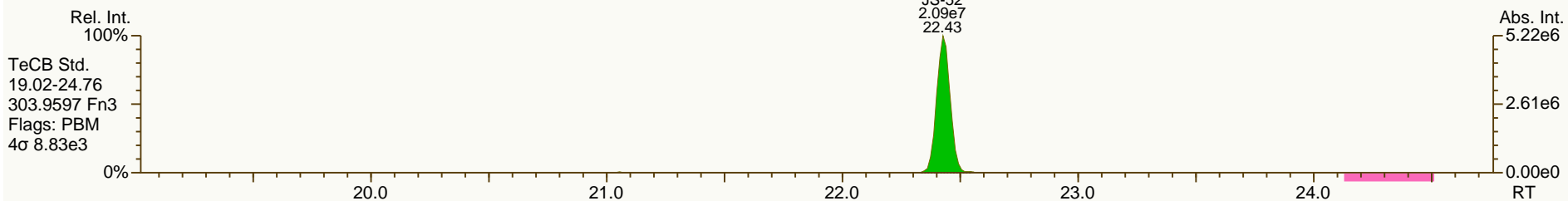
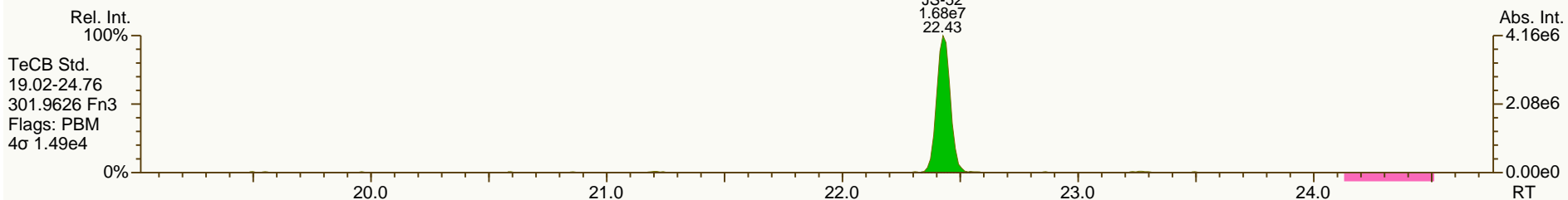
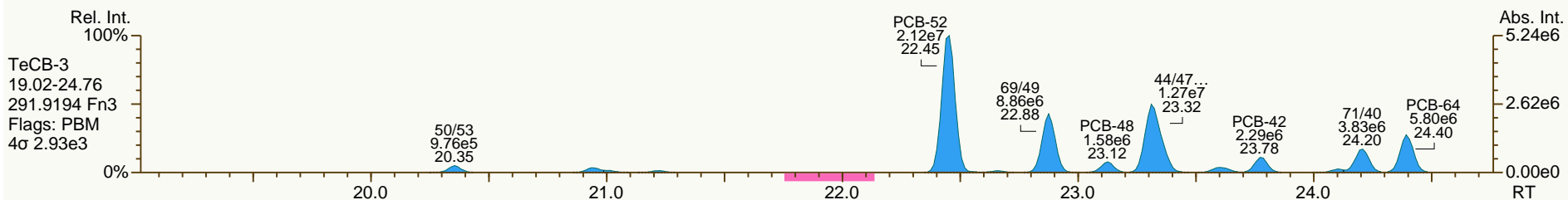
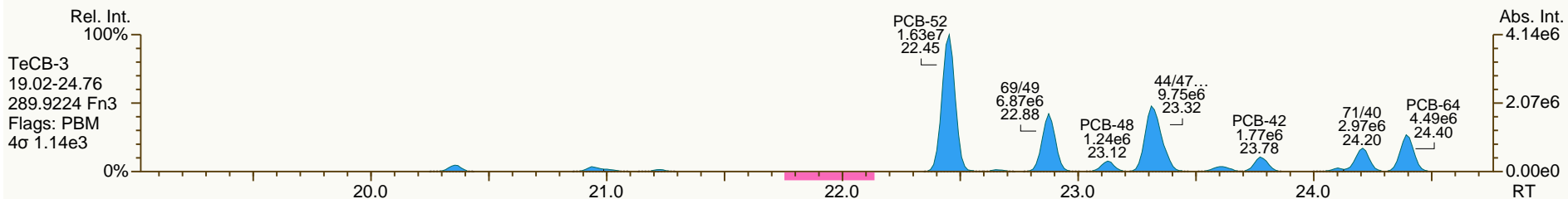
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SGS-AP ID: A5698_11123_PCB_001
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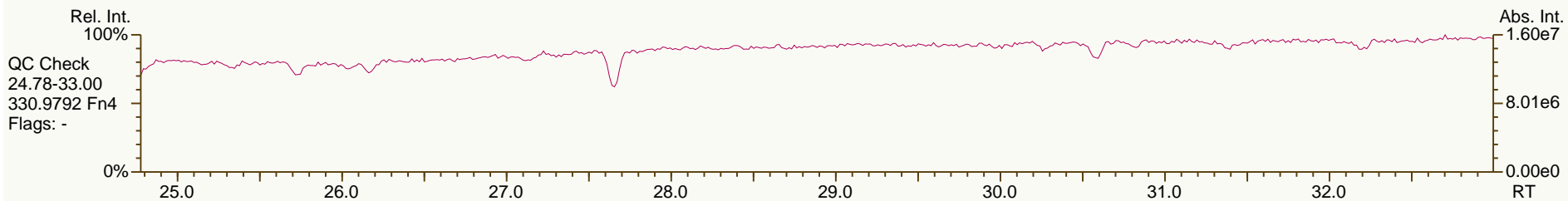
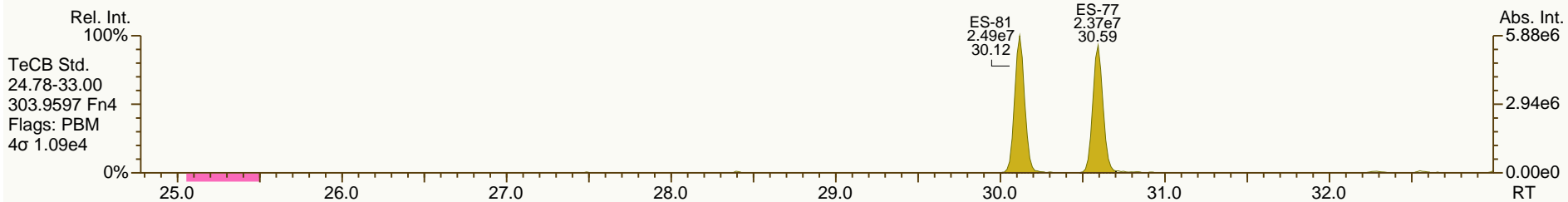
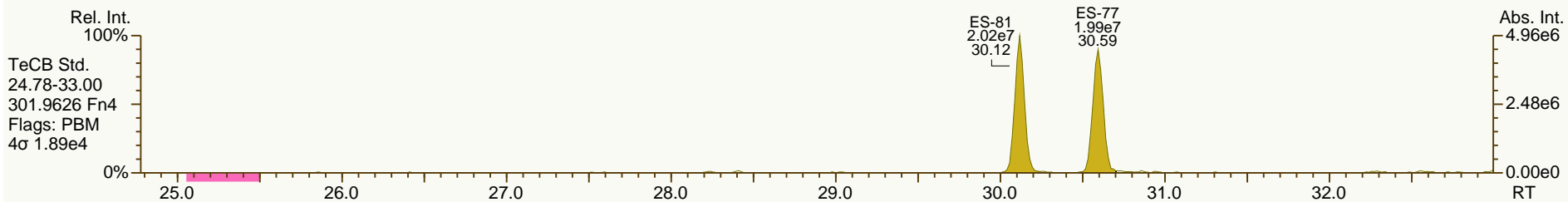
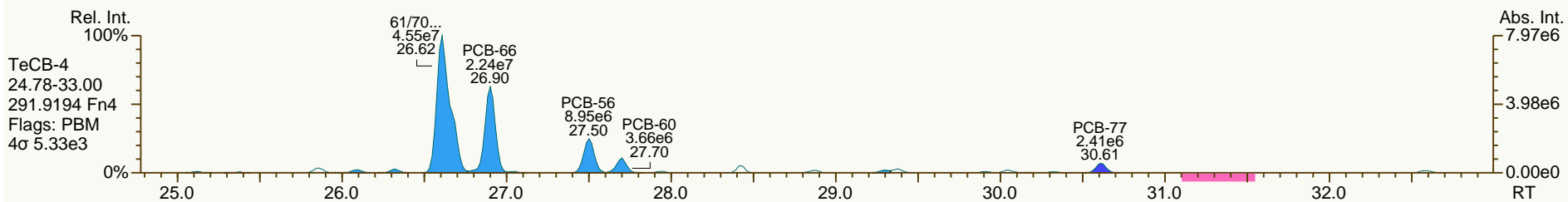
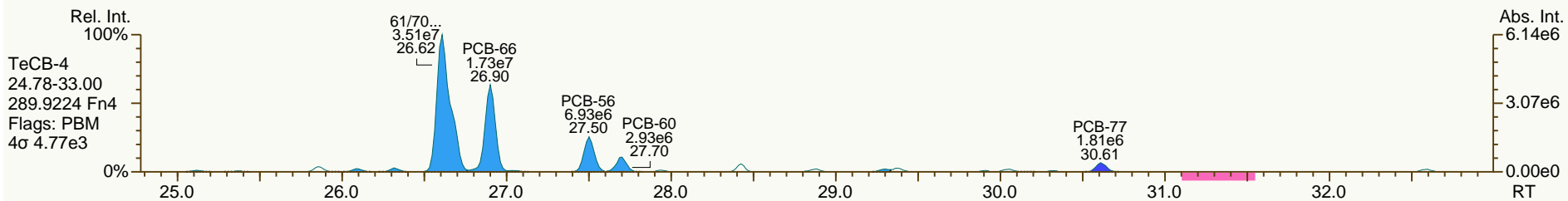
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

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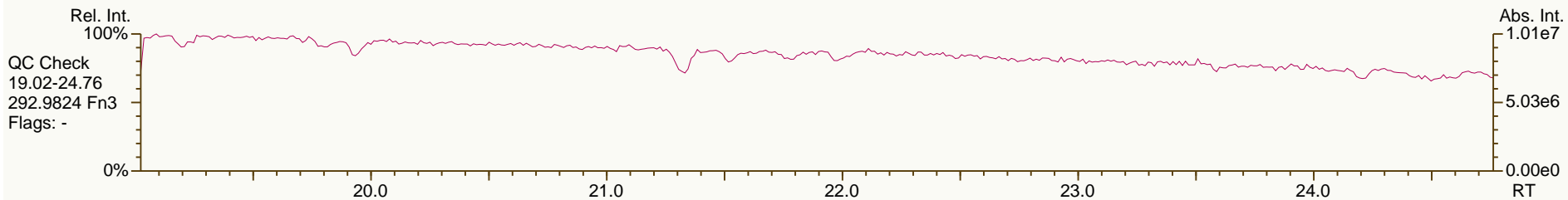
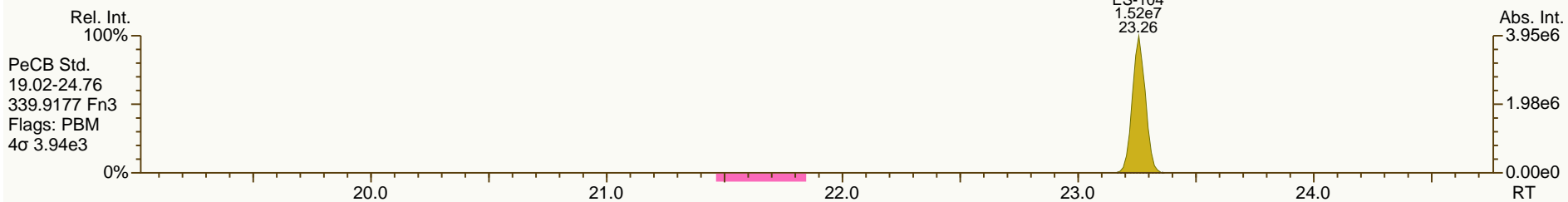
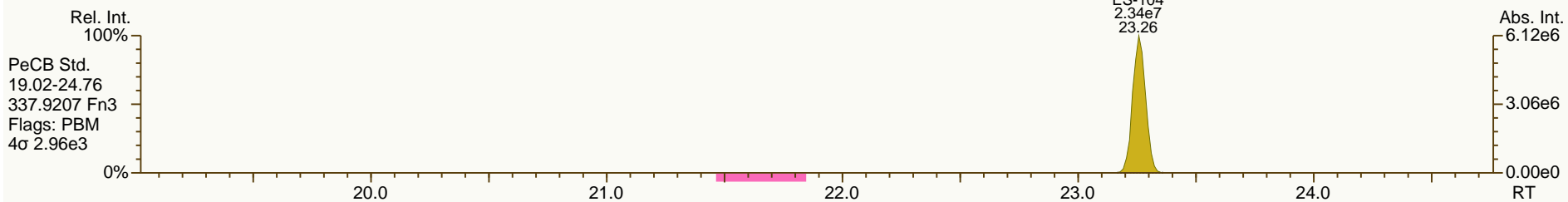
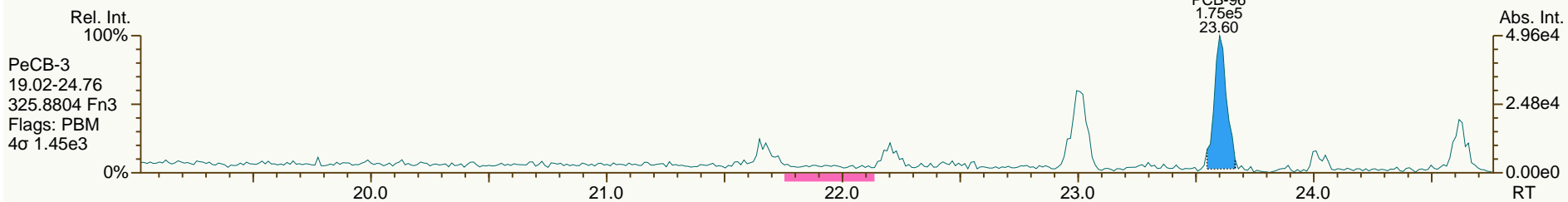
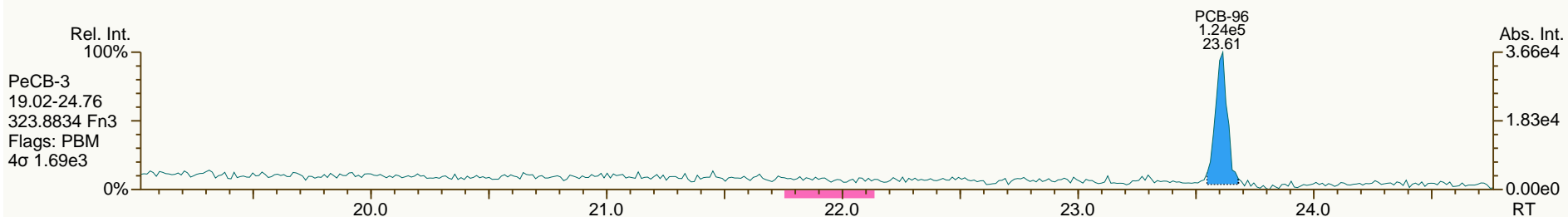
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SGS-AP ID: A5698_11123_PCB_001
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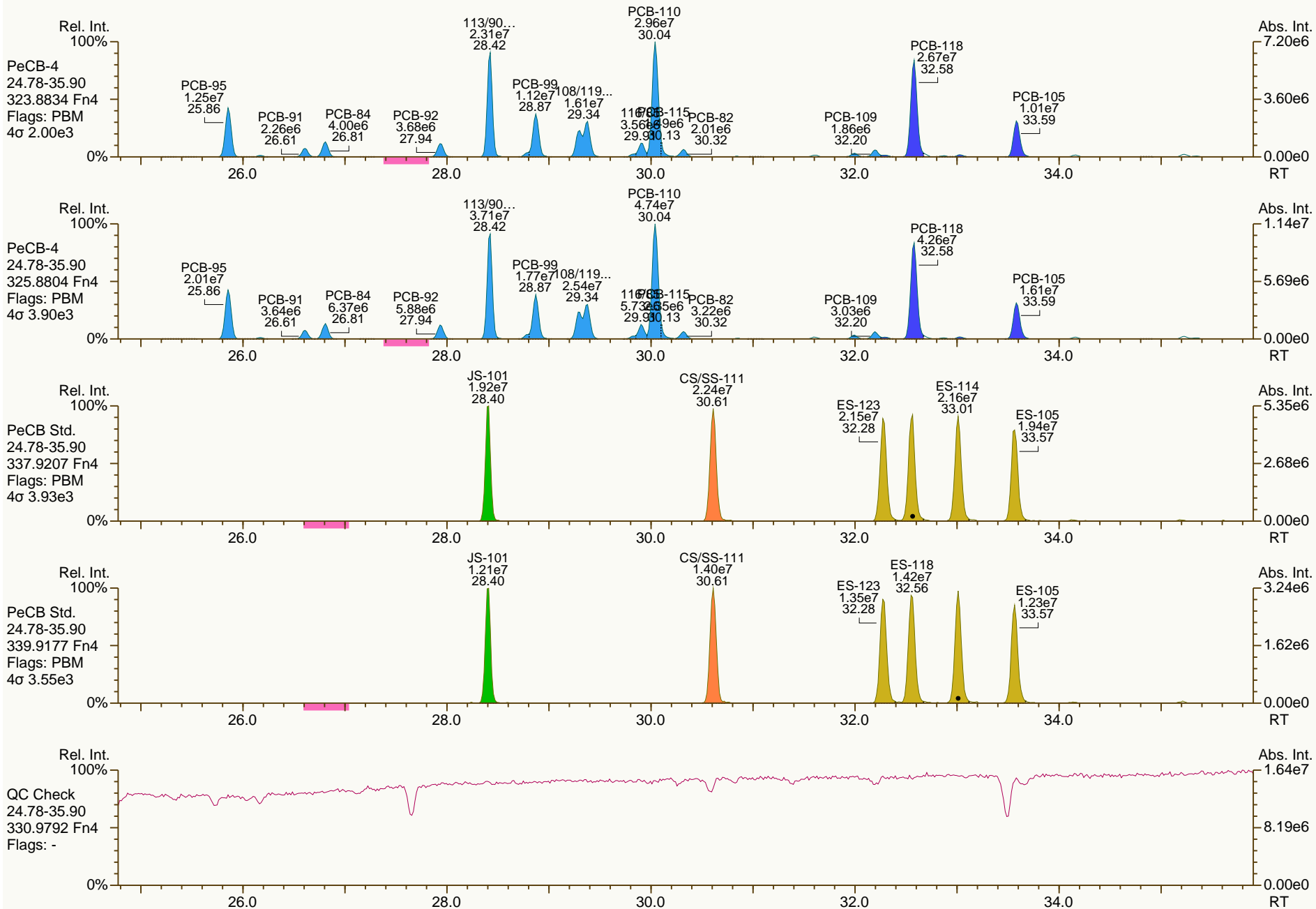
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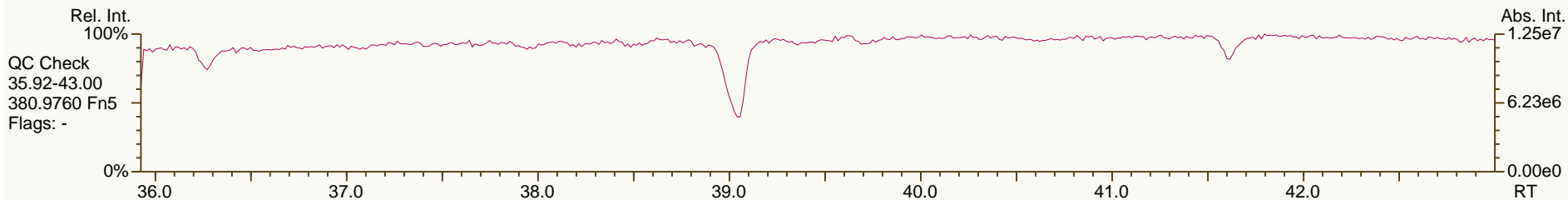
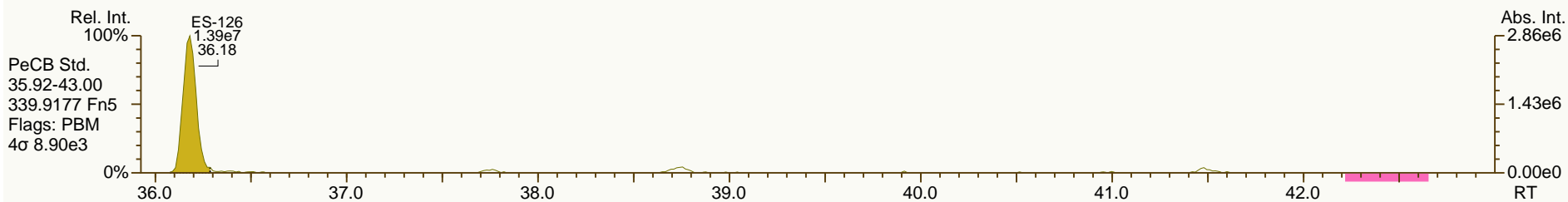
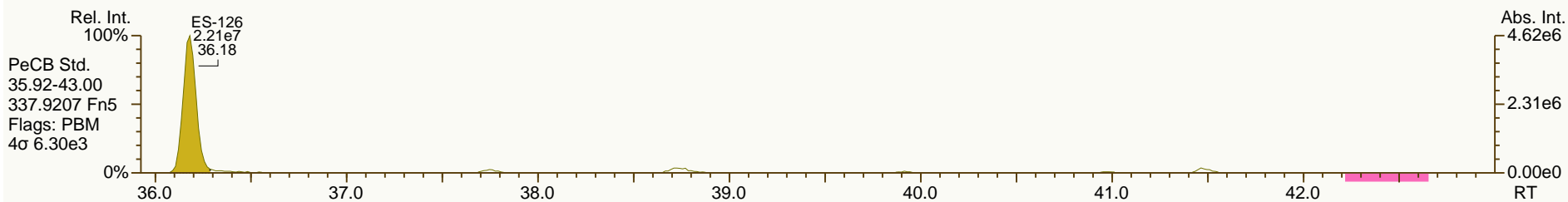
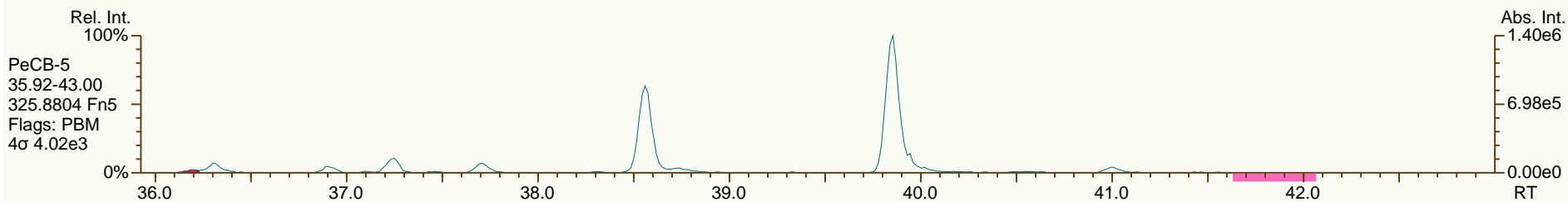
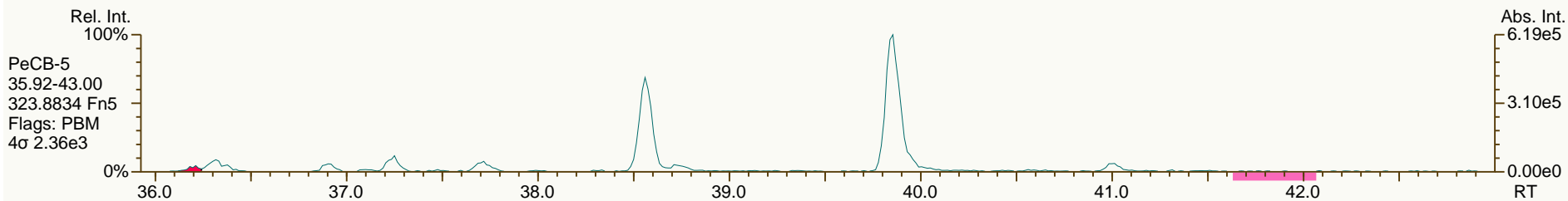
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SGS-AP ID: A5698_11123_PCB_001
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

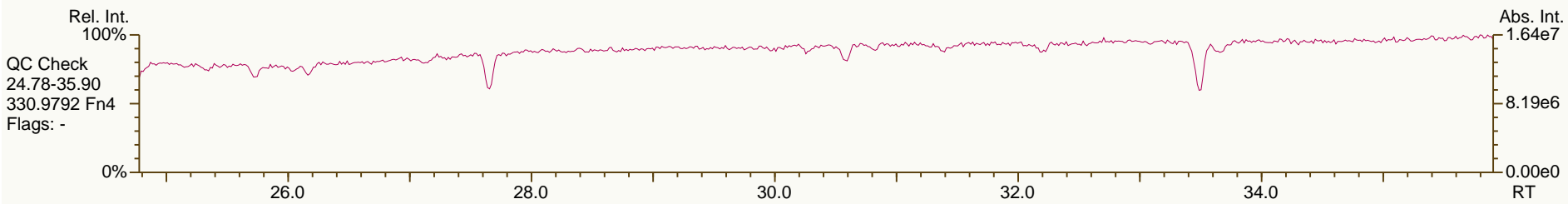
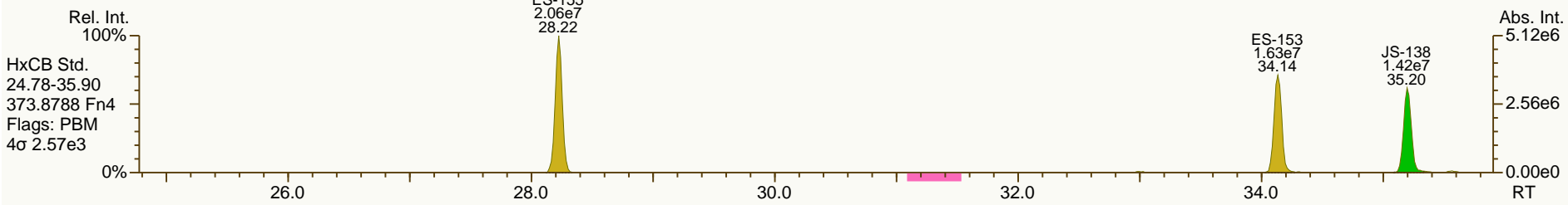
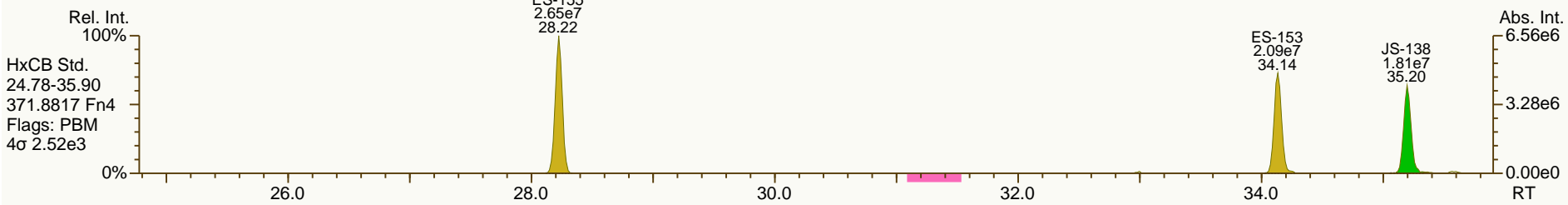
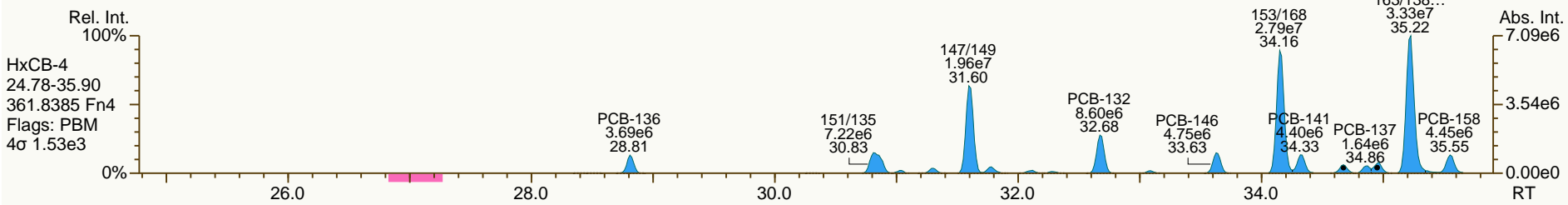
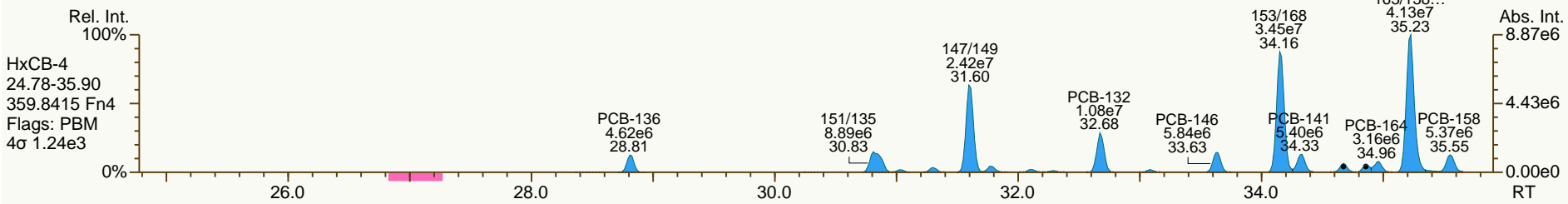
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SGS-AP ID: A5698_11123_PCB_001
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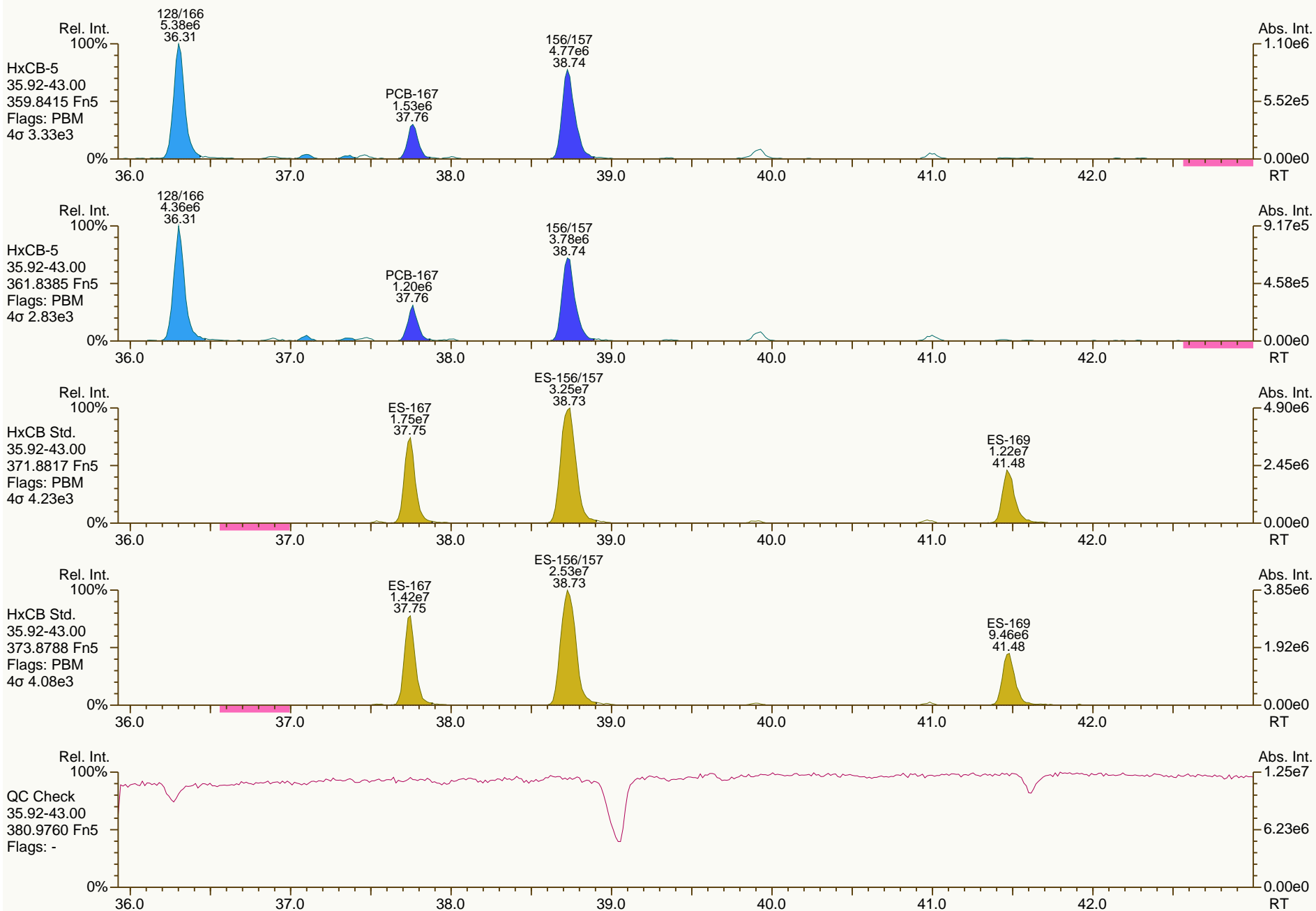
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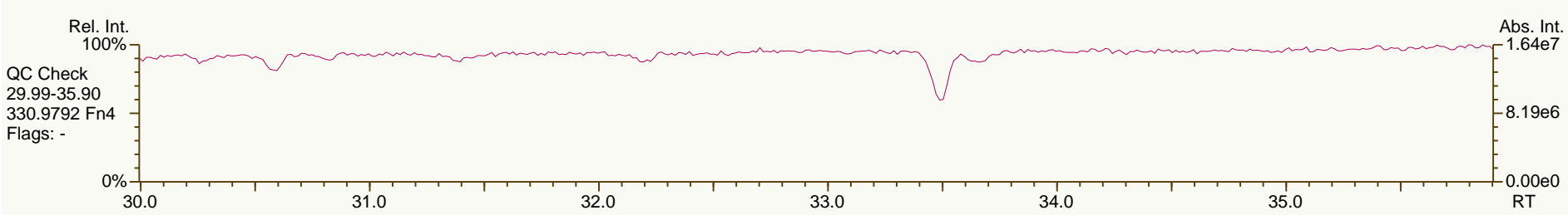
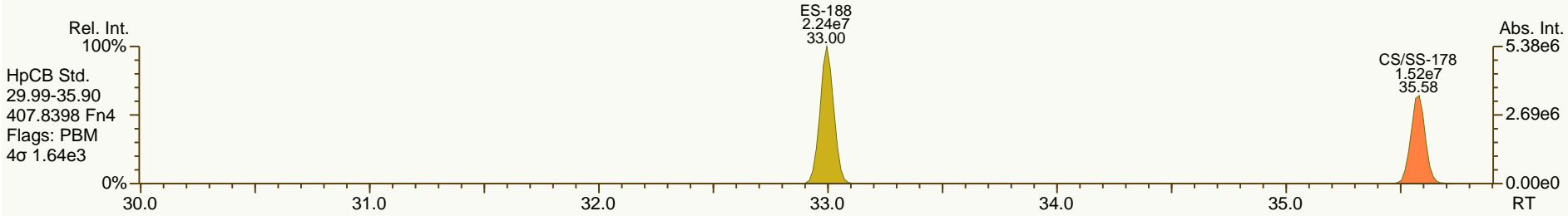
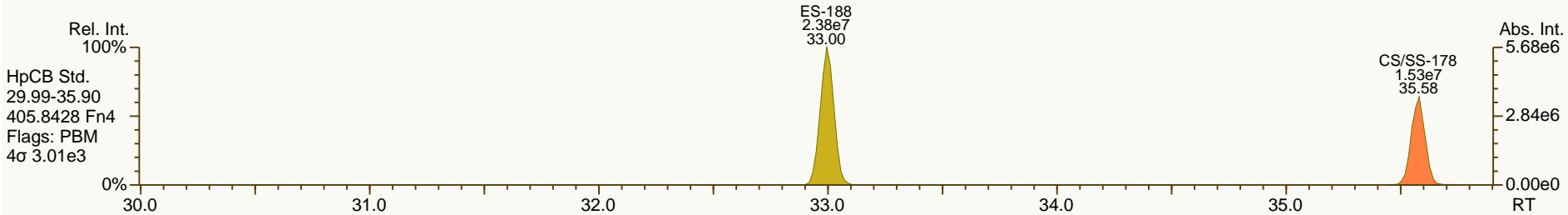
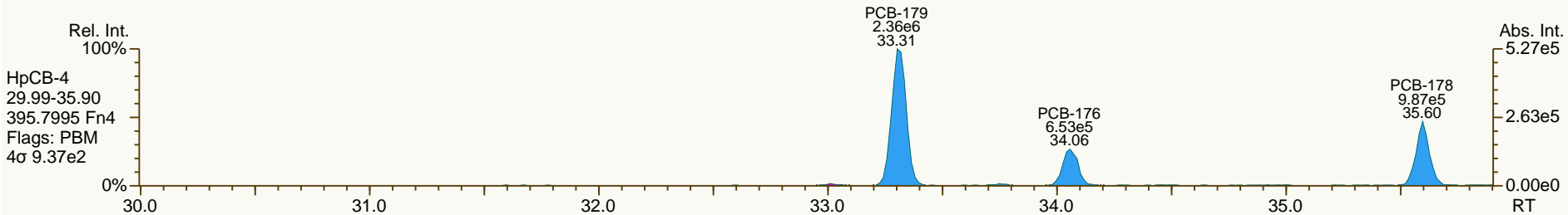
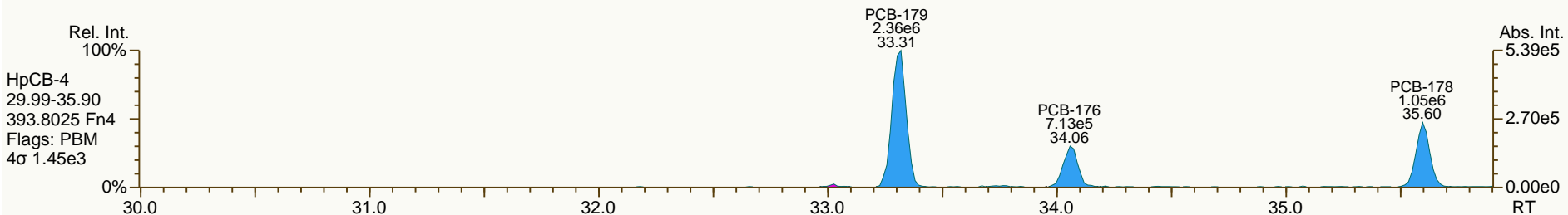
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SGS-AP ID: A5698_11123_PCB_001
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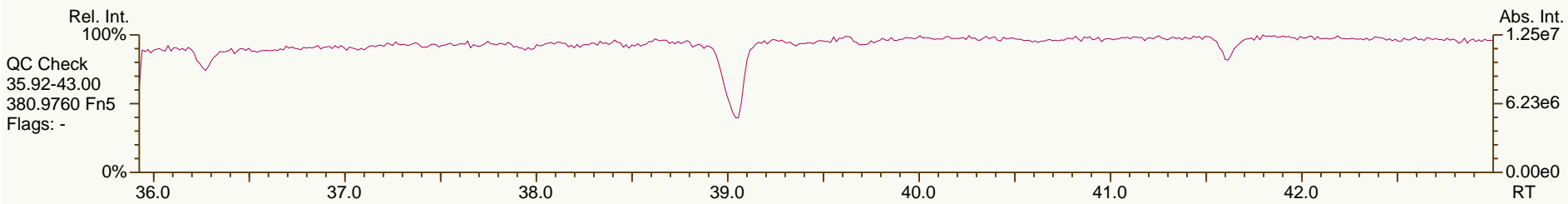
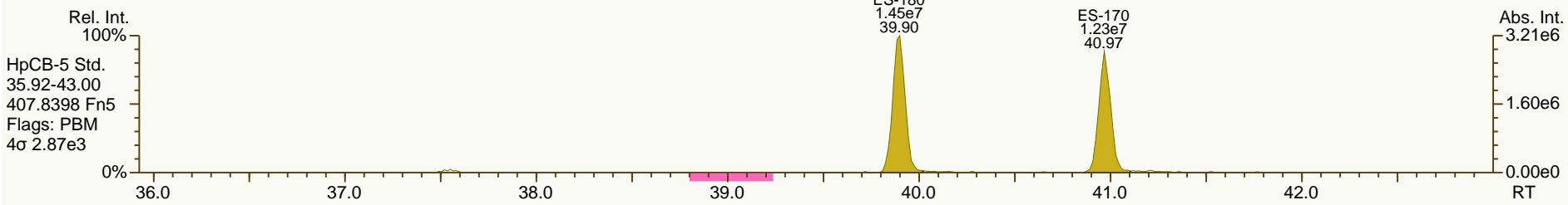
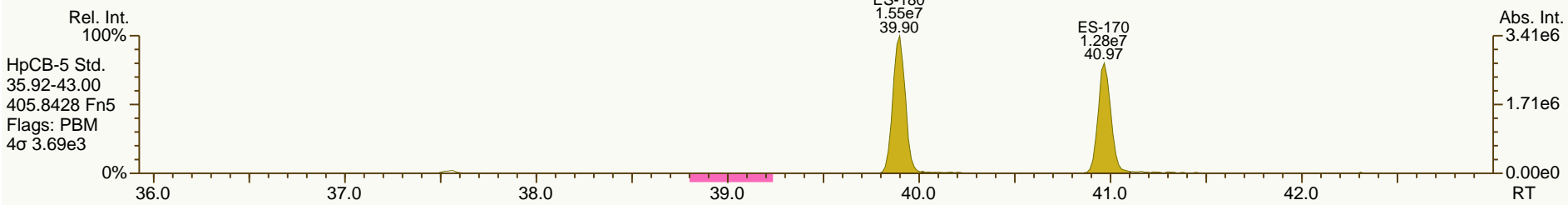
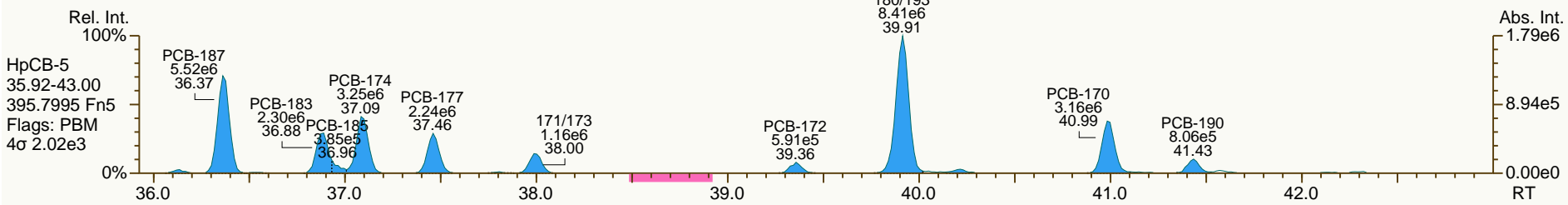
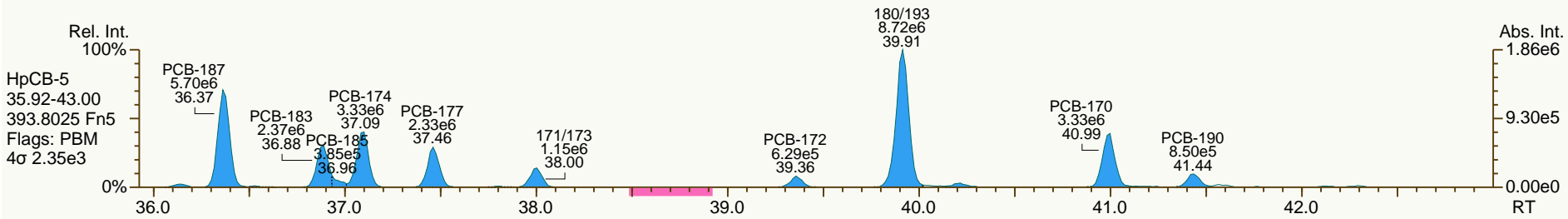
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SGS-AP ID: A5698_11123_PCB_001
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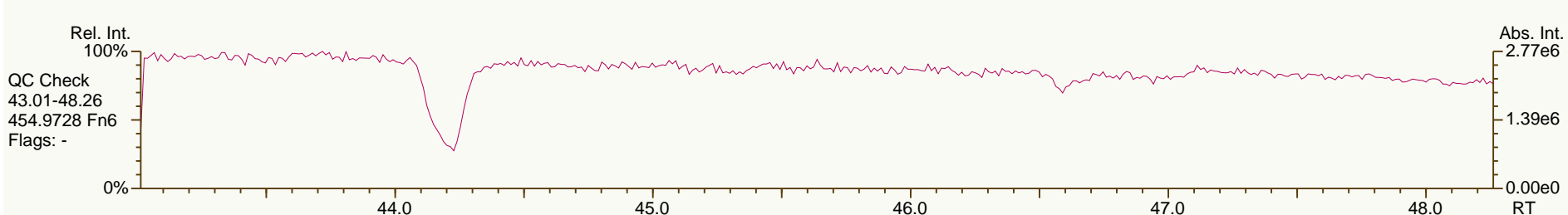
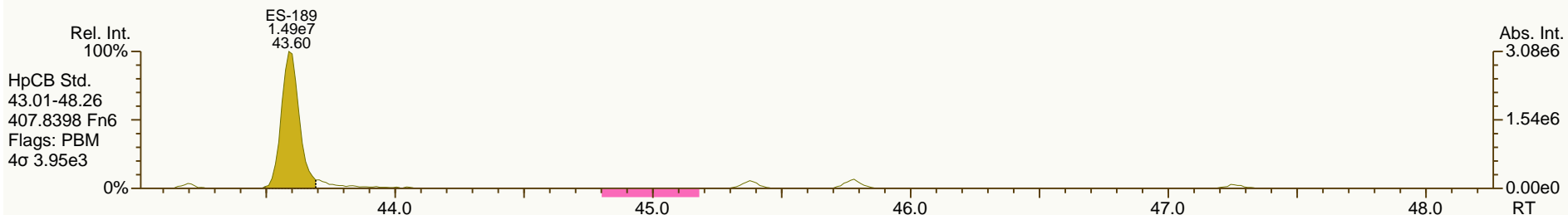
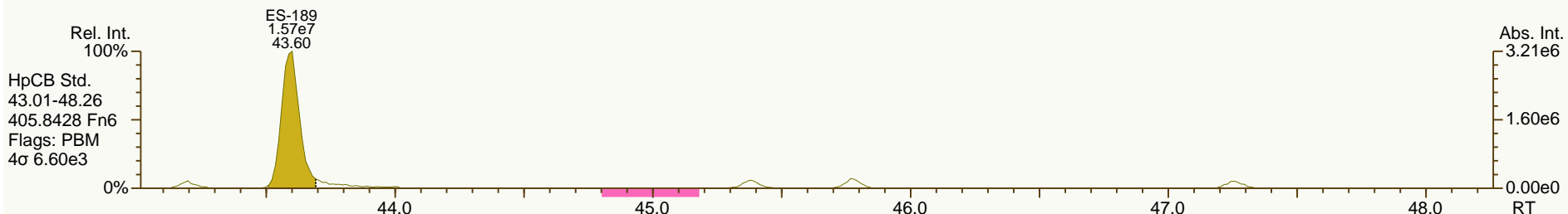
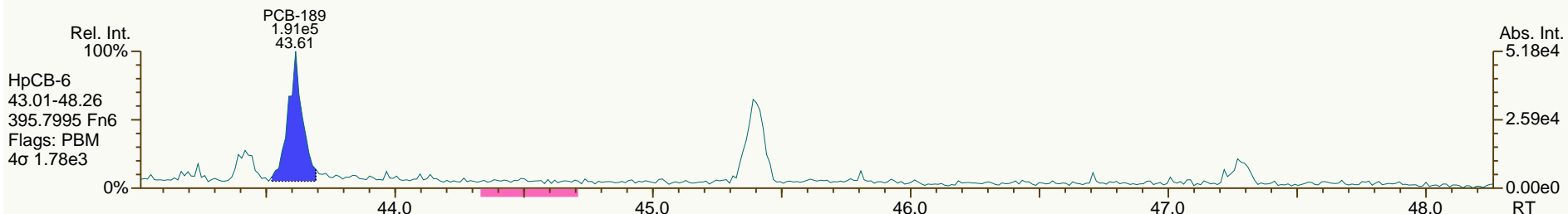
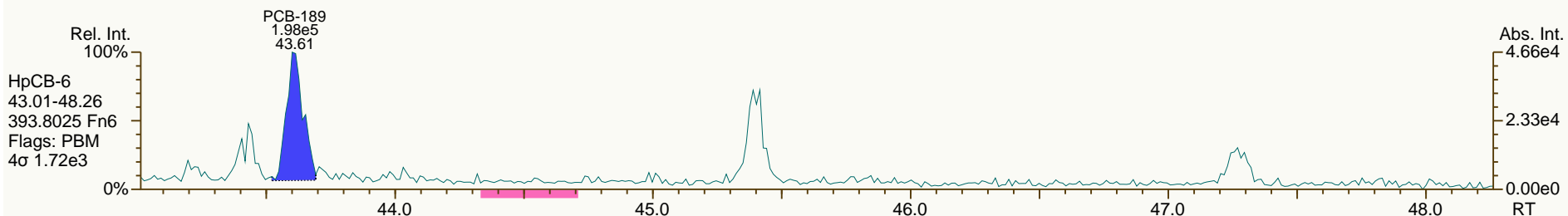
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

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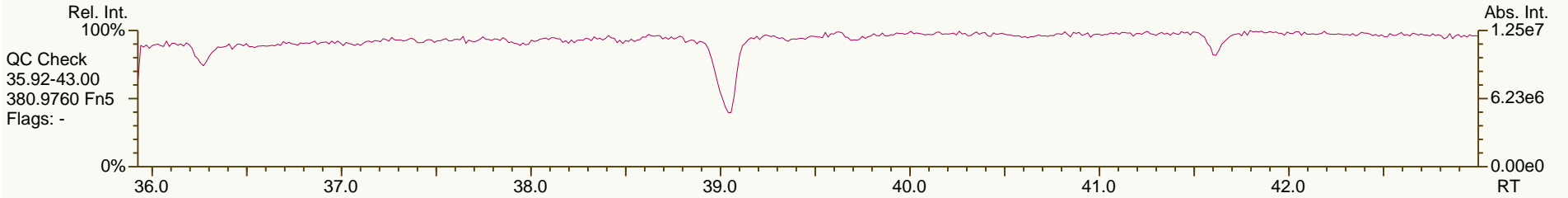
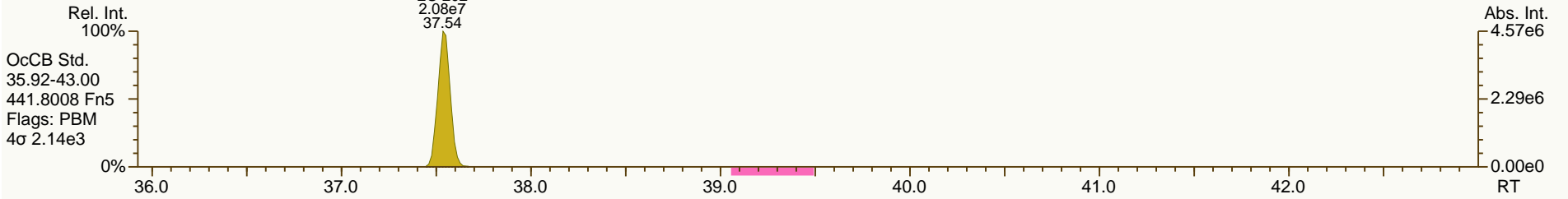
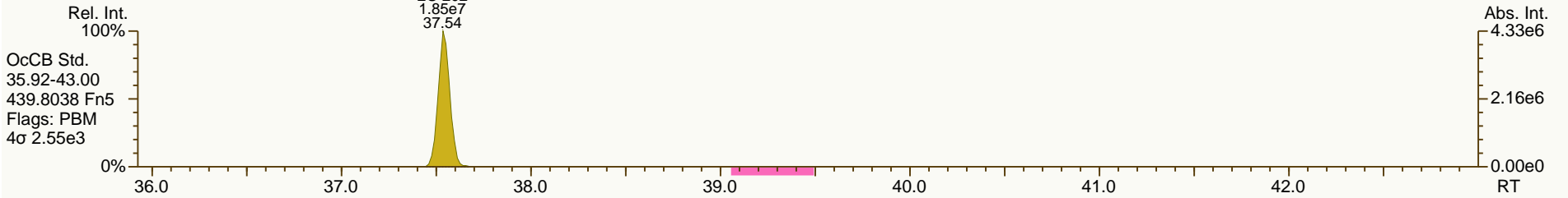
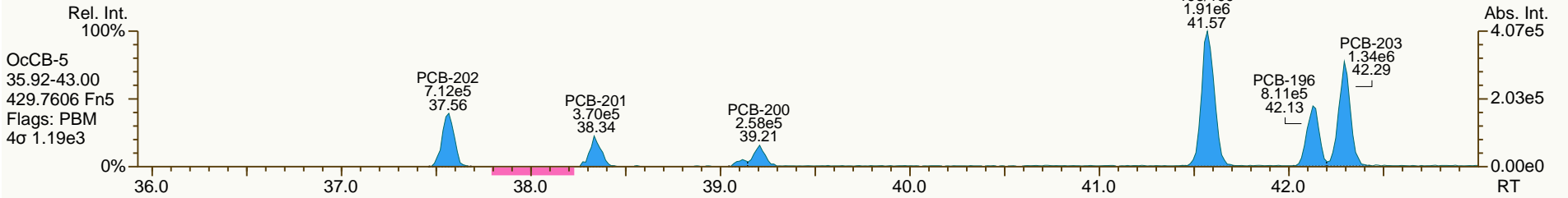
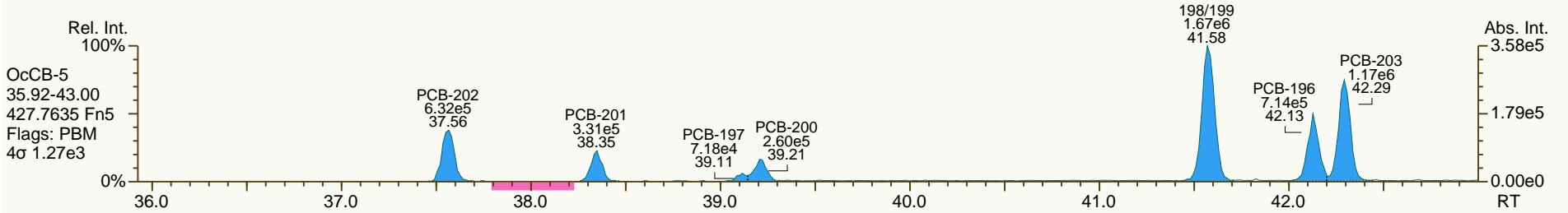
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SGS-AP ID: A5698_11123_PCB_001
Instr: AutoSpec-Premier MM6

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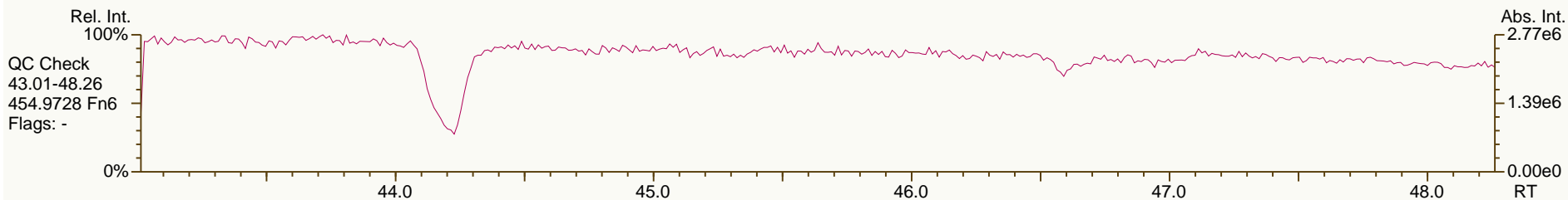
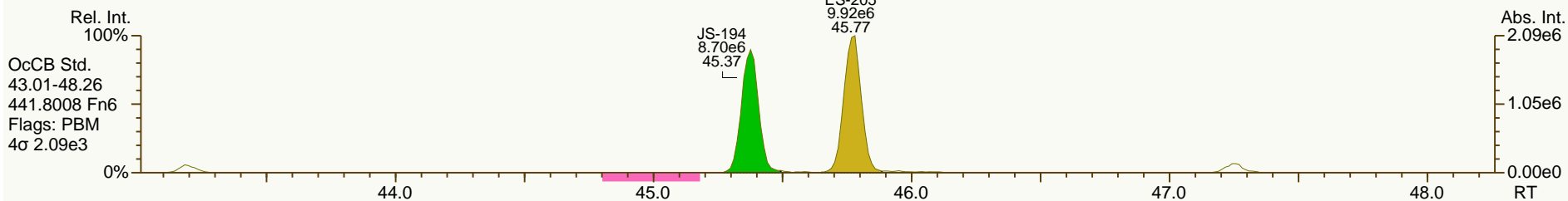
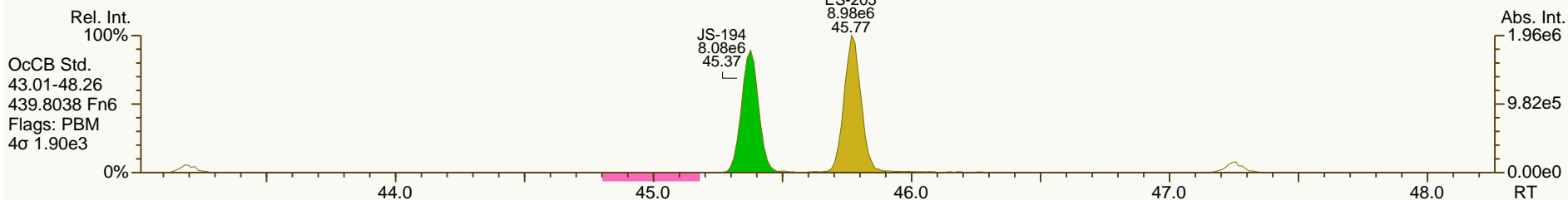
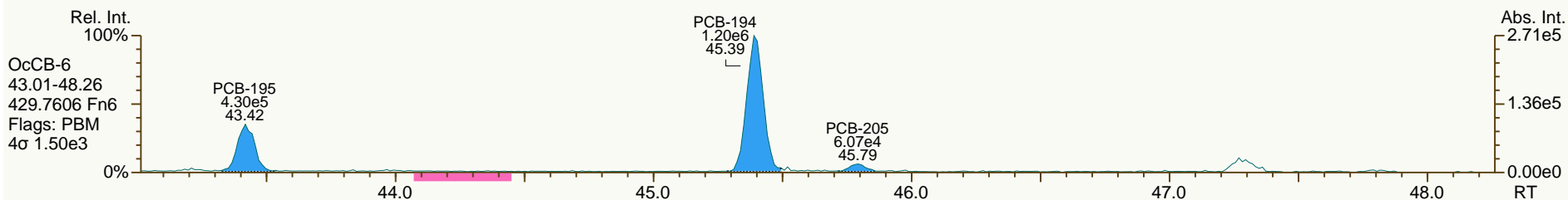
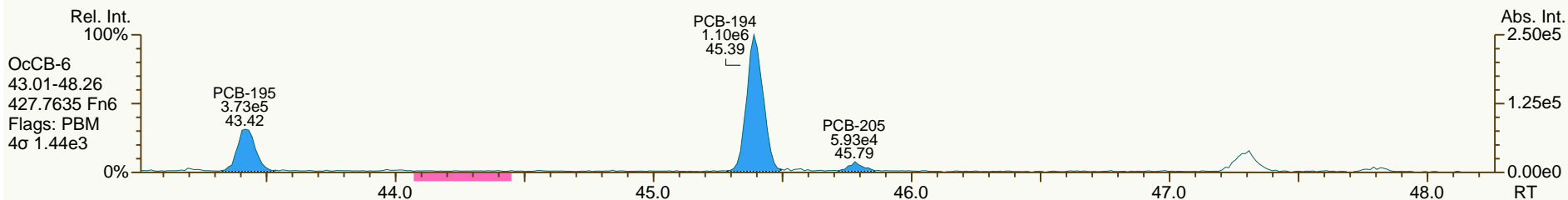
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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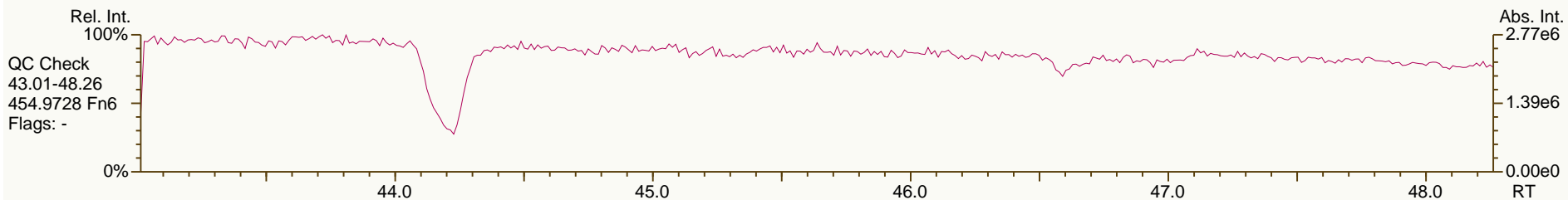
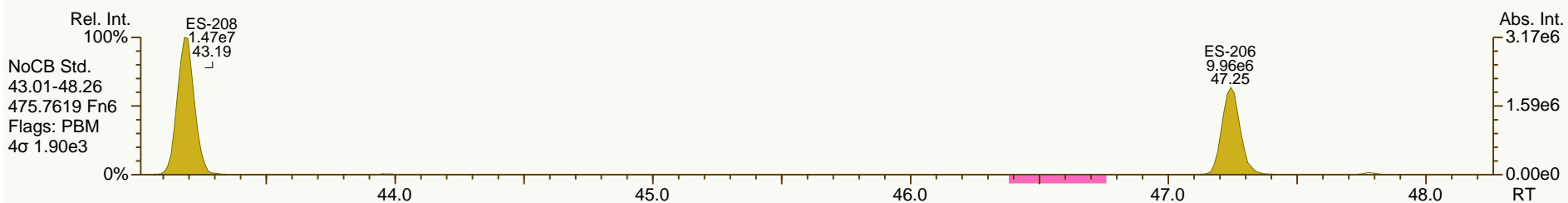
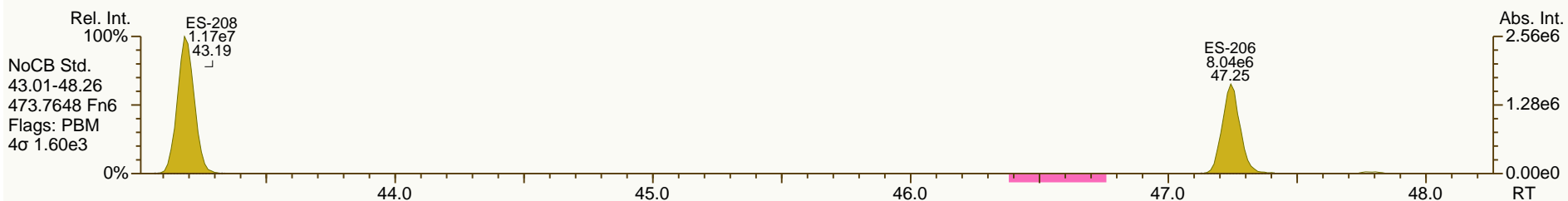
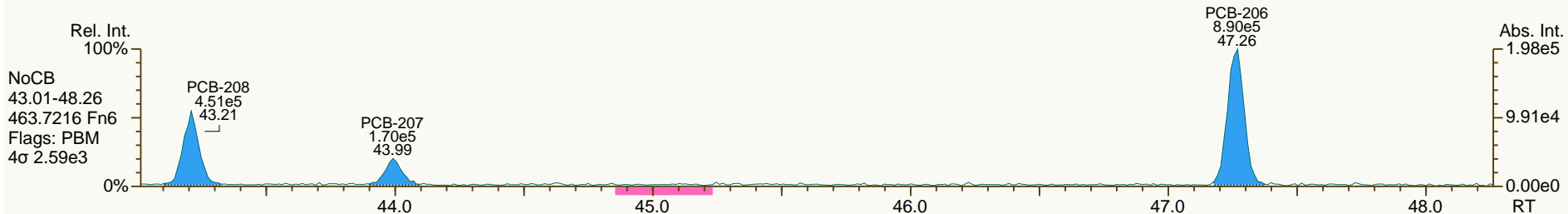
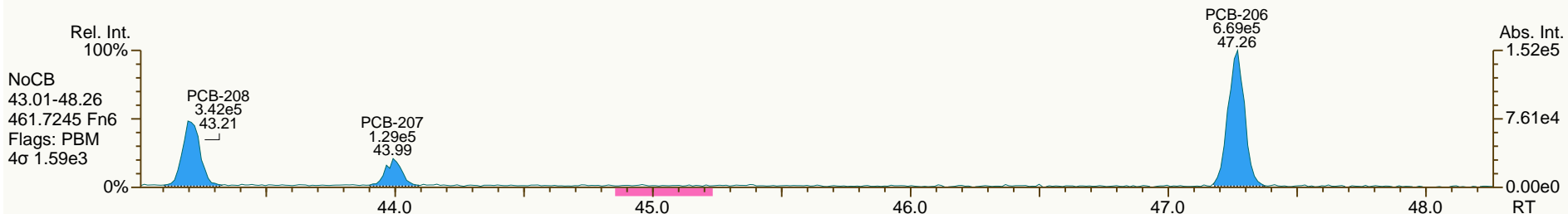
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
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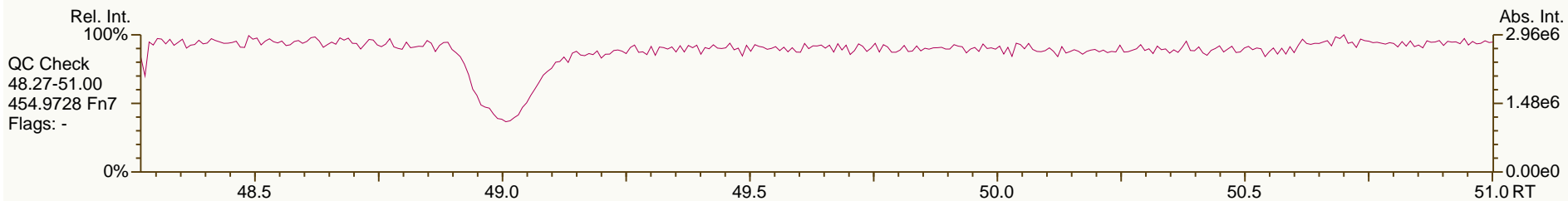
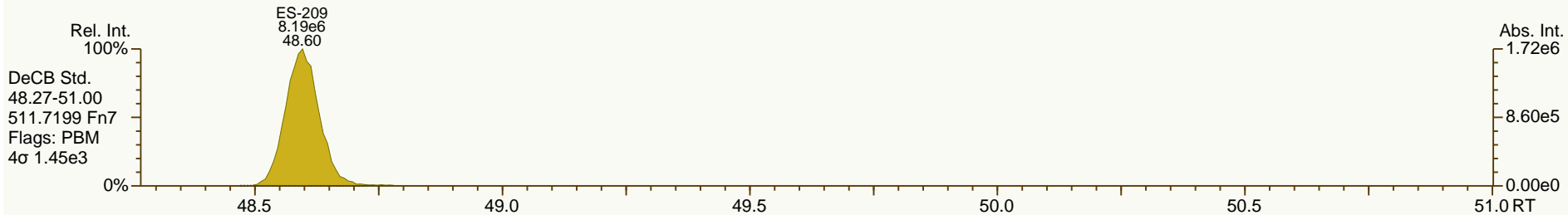
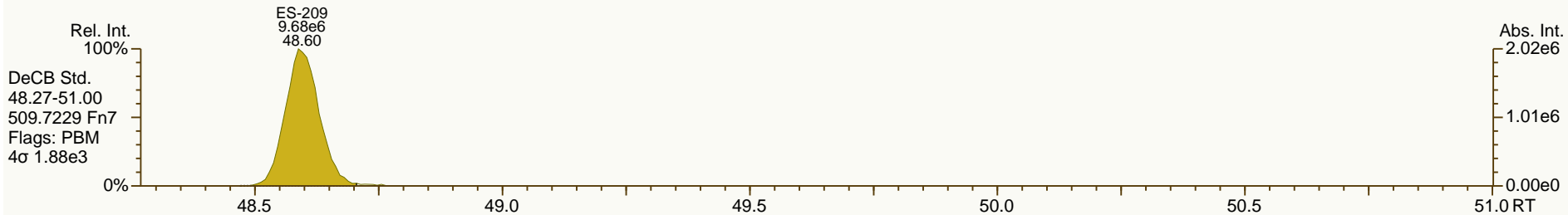
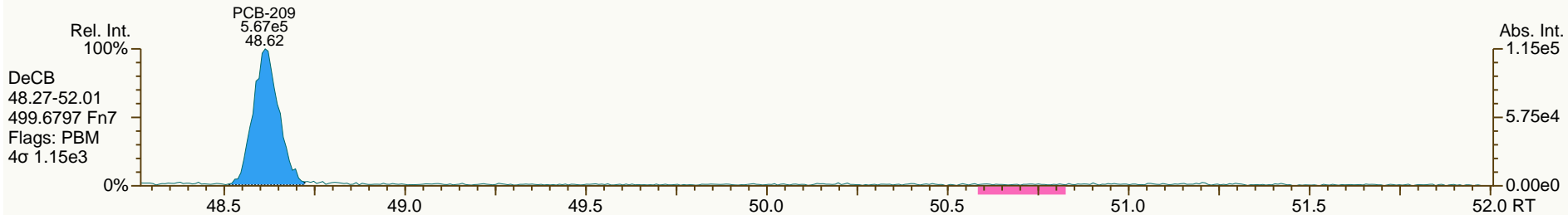
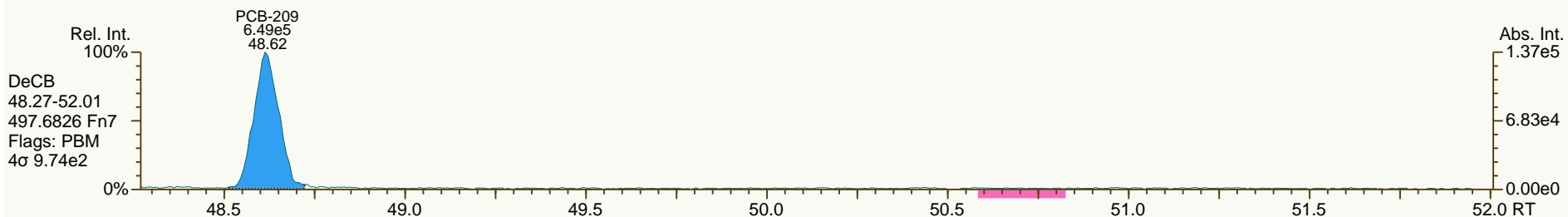
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SGS-AP ID: A5698_11123_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-207-130429
 VSIR El+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 19-Jul-2013 16:27:08
 User: JLJ Datafile: 130719V11



Lab ID: A5698_11123_PCB_002

ACQ: 19-Jul-2013 17:21:24 JLJ

Wt/Vol: 5.48 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-208-130429

UTP: 23-Jul-2013 16:20 LKB

J-level: 1.83 pg/g Split: 1

Checkcode: 692-940-CYM

Datafile: 130719V12

RPT: 23-Jul-2013 16:20 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.62		1.0006	1.0006	0	2.21E+06	0.73	1.25	23.6	7.84E+03	0.935
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.26	ND	7.84E+03	0.902
PCB-105 233'44'-PeCB	33.60		1.0006	1.0007	+0.2	7.03E+06	0.64	1.06	120	3.81E+03	0.748
PCB-114 2344'5'-PeCB	33.04		1.0007	1.0006	-0.2	4.24E+05	0.67	1.11	6.44	3.81E+03	0.666
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	1.84E+07	0.63	1.08	294	3.81E+03	0.688
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0008	+0.4	3.45E+05	0.67	1.12	5.42	3.81E+03	0.68
PCB-126 33'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.16	ND	5.56E+03	0.948
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	2.26E+06	1.21	1.14	41.5	4.39E+03	1.36
PCB-167 23'44'55'-HxCB	37.77		1.0005	1.0005	0	7.44E+05	1.29	1.18	12.2	4.39E+03	0.87
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.39E+03	1.44
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	1.40E+05	0.95	1.12	2.55	3.52E+03	0.777
PCB-209 DeCB	48.61		1.0004	1.0004	0	5.73E+05	1.23	1.11	17.4	2.16E+03	0.777
ES PCB-1	10.56		0.7199	0.7203	+0.3	2.04E+07	3.19	0.97	49.1 %	25%	150%
ES PCB-3	12.61		0.8600	0.8601	+0.1	2.49E+07	3.19	0.90	64.6 %	25%	150%
ES PCB-4	12.84		0.8759	0.8760	+0.1	1.88E+07	1.55	0.70	62.6 %	25%	150%
ES PCB-15	18.18		1.2401	1.2402	+0.1	3.67E+07	1.61	1.02	84.4 %	25%	150%
ES PCB-19	15.69		1.0705	1.0706	+0.1	1.61E+07	1.05	0.53	71.4 %	25%	150%
ES PCB-37	24.34		1.0840	1.0846	+0.9	2.59E+07	1.09	1.29	84.7 %	25%	150%
ES PCB-54	18.45		0.8227	0.8223	-0.4	2.20E+07	0.78	1.43	65.3 %	25%	150%
ES PCB-77	30.60		1.3634	1.3639	+0.9	2.75E+07	0.83	1.20	96.5 %	25%	150%
ES PCB-81	30.13		1.3420	1.3427	+1.3	2.71E+07	0.81	1.16	98.5 %	25%	150%
ES PCB-104	23.27		0.8213	0.8190	-3.2	2.10E+07	1.49	1.70	62.2 %	25%	150%
ES PCB-105	33.57		1.1849	1.1816	-6.6	2.02E+07	1.56	1.10	92.8 %	25%	150%
ES PCB-114	33.02		1.1652	1.1622	-5.9	2.16E+07	1.60	1.16	94.2 %	25%	150%
ES PCB-118	32.56		1.1492	1.1461	-6.1	2.11E+07	1.60	1.15	92.3 %	25%	150%
ES PCB-123	32.28		1.1394	1.1363	-6.0	2.08E+07	1.51	1.14	91.9 %	25%	150%
ES PCB-126	36.19		1.2772	1.2736	-7.8	2.20E+07	1.56	1.34	82.9 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.08E+07	1.26	1.14	88.2 %	25%	150%
ES PCB-155	28.22		0.7994	0.8017	+3.9	2.72E+07	1.32	1.61	83.7 %	25%	150%
ES PCB-156/157	38.74		1.1004	1.1003	-0.2	3.48E+07	1.27	0.98	88.5 %	25%	150%
ES PCB-167	37.75		1.0723	1.0723	0	1.88E+07	1.30	1.01	92.5 %	25%	150%
ES PCB-169	41.48		1.1781	1.1784	+0.7	1.30E+07	1.28	0.90	71.8 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	1.48E+07	1.02	1.28	105 %	25%	150%
ES PCB-180	39.90		0.8794	0.8793	-0.2	1.77E+07	1.02	1.54	107 %	25%	150%
ES PCB-188	33.00		0.7275	0.7274	-0.2	2.72E+07	1.02	1.63	83.2 %	25%	150%
ES PCB-189	43.60		0.9610	0.9608	-0.5	1.80E+07	1.06	1.97	83.3 %	25%	150%
ES PCB-202	37.54		0.8277	0.8275	-0.5	2.28E+07	0.88	1.26	89.9 %	25%	150%
ES PCB-205	45.77		1.0088	1.0087	-0.3	1.14E+07	0.90	1.22	84.6 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.24		1.0412	1.0412	0	1.06E+07	0.79	1.10	87.6 %	25%	150%
ES PCB-208	43.19		0.9520	0.9519	-0.3	1.57E+07	0.81	1.41	101 %	25%	150%
ES PCB-209	48.60		1.0711	1.0710	-0.3	1.08E+07	1.18	1.24	79.1 %	25%	150%
SS PCB-28	20.85		0.9292	0.9290	-0.3	3.07E+07	1.09	1.18	100 %	30%	135%
SS PCB-111	30.62		1.0804	1.0776	-5.1	2.16E+07	1.57	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	1.71E+07	1.02	0.60	105 %	30%	135%
CS PCB-28	20.85		0.9292	0.9290	-0.3	3.07E+07	1.09	1.52	85.1 %	30%	135%
CS PCB-111	30.62		1.0804	1.0776	-5.1	2.16E+07	1.57	1.15	94.6 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	1.71E+07	1.02	0.98	87.1 %	30%	135%
JS PCB-9	14.66					4.29E+07	1.61				
JS PCB-52	22.44					2.37E+07	0.77				
JS PCB-101	28.41					1.98E+07	1.60				
JS PCB-138	35.20					2.01E+07	1.33				
JS PCB-194	45.37					1.10E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	125	125	0.662		
						Di-CBs	249	249	0.966		
						Tri-CBs	734	734	1.14		
						Tetra-CBs	1,210	1,210	0.773		
						Penta-CBs	1,790	1,790	0.701		
						Hexa-CBs	1,500	1,500	1.01		
						Hepta-CBs	537	537	0.811		
						Octa-CBs	157	160	0.939		
						Nona-CBs	39.4	39.4	1.43		
PCB-1 2-MoCB	10.57		1.0011	1.0011	0	3.18E+06	3.27	1.25	45.6	7.30E+03	0.72
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	3.74E+06	3.10	1.26	43.5	7.30E+03	0.607
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	3.10E+06	3.00	1.27	35.9	7.30E+03	0.604
PCB-4 22'-DiCB	12.86		1.0011	1.0012	+0.1	7.84E+05	1.53	0.90	17	5.93E+03	0.961
PCB-10 26'-DiCB	13.02	J	1.0136	1.0138	+0.2	1.05E+05	SI	1.40	1.45	5.93E+03	0.617
PCB-9 25'-DiCB	14.67		1.0010	1.0008	-0.2	4.33E+05	SI	1.00	4.3	1.15E+04	1.06
PCB-7 24'-DiCB	14.82		1.0113	1.0111	-0.2	3.28E+05	SI	1.12	2.9	1.15E+04	0.947
PCB-6 23'-DiCB	15.04		1.0261	1.0262	+0.1	1.40E+06	1.36	1.03	13.5	1.15E+04	1.03
PCB-5 23'-DiCB	15.32	J	1.0452	1.0451	-0.1	1.57E+05	SI	1.05	1.49	1.15E+04	1.02
PCB-8 24'-DiCB	15.43		1.0529	1.0528	-0.1	6.08E+06	1.45	1.06	57.2	1.15E+04	1.01
PCB-14 35'-DiCB	16.89	J	0.9293	0.9291	-0.2	1.41E+05	SI	1.22	1.15	1.15E+04	0.874
PCB-11 33'-DiCB	17.64	B	0.9704	0.9704	0	8.83E+06	1.51	0.98	90	1.15E+04	1.09
PCB-13/12 34'/34'-DiCB	17.91	C	0.9856	0.9849	-0.8	1.05E+06	1.51	0.98	10.6	1.15E+04	1.09
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	5.49E+06	1.52	1.10	49.7	1.15E+04	0.972

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0011	0	1.85E+05	1.14	0.95	4.42	6.37E+03	1.22
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1074	+1.0	3.64E+06	1.04	1.22	67.2	6.37E+03	0.946
PCB-17 22'4-TrCB	17.75		1.1310	1.1310	0	1.68E+06	1.04	1.05	36.1	6.37E+03	1.1
PCB-27 23'6-TrCB	17.94		1.1431	1.1432	+0.1	3.88E+05	1.13	1.39	6.33	6.37E+03	0.836
PCB-24 236-TrCB	18.05	J	1.1507	1.1503	-0.4	5.83E+04	1.18	1.36	0.97	6.37E+03	0.852
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	1.09E+06	1.00	0.82	30	6.37E+03	1.41
PCB-32 24'6-TrCB	18.61		1.1861	1.1862	+0.1	1.69E+06	1.02	1.47	25.9	6.37E+03	0.786
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	1.03E+04	0.956
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.03E+04	0.925
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8268	-1.7	2.70E+06	1.08	1.56	24.5	1.03E+04	0.942
PCB-25 23'4-TrCB	20.33		0.8362	0.8353	-1.1	1.54E+06	1.07	1.59	13.7	1.03E+04	0.92
PCB-31 24'5-TrCB	20.61		0.8473	0.8466	-0.9	1.56E+07	1.02	1.62	136	1.03E+04	0.903
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8573	-1.6	2.08E+07	1.06	1.51	194	1.03E+04	0.968
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8660	+0.5	7.74E+06	1.03	1.58	69.1	1.03E+04	0.929
PCB-22 234'-TrCB	21.42		0.8808	0.8802	-0.8	5.50E+06	1.04	1.45	53.7	1.03E+04	1.01
PCB-36 33'5-TrCB	22.77	J	0.9359	0.9358	-0.1	1.83E+05	0.96	1.55	1.66	1.03E+04	0.946
PCB-39 34'5-TrCB	NotFnd		0.9491	-		0.00E+00		1.53	ND	1.03E+04	0.954
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.03E+04	1
PCB-35 33'4-TrCB	24.00		0.9862	0.9859	-0.4	5.46E+05	1.04	1.31	5.87	1.03E+04	1.12
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	6.40E+06	1.04	1.39	65	1.03E+04	1.05
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.46E+03	0.626
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	7.06E+05	0.74	0.90	10.6	4.23E+03	0.68
PCB-45 22'36-TeCB	20.96		0.9340	0.9339	-0.1	6.00E+05	0.74	0.84	9.68	4.23E+03	0.73
PCB-51 22'46'-TeCB	21.02		0.9371	0.9369	-0.3	1.85E+05	0.77	0.86	2.91	4.23E+03	0.713
PCB-46 22'36'-TeCB	21.23		0.9464	0.9461	-0.4	2.18E+05	0.76	0.73	4.03	4.23E+03	0.834
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	1.01E+07	0.79	0.85	160	4.23E+03	0.719
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	4.23E+03	0.533
PCB-43 22'35-TeCB	22.67		1.0103	1.0103	0	2.08E+05	0.70	0.74	3.81	4.23E+03	0.828
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0200	+1.6	6.39E+06	0.77	1.03	83.5	4.23E+03	0.591
PCB-48 22'45-TeCB	23.14		1.0310	1.0311	+0.1	1.36E+06	0.77	0.85	21.4	4.23E+03	0.716
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0401	-0.4	8.10E+06	0.77	0.91	121	4.23E+03	0.674
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0527	+0.6	8.73E+05	0.73	1.15	10.2	4.23E+03	0.532
PCB-42 22'34'-TeCB	23.79		1.0599	1.0602	+0.4	1.90E+06	0.79	0.82	31.4	4.23E+03	0.749
PCB-41 22'34-TeCB	24.12		1.0743	1.0748	+0.7	4.46E+05	0.83	0.70	8.57	4.23E+03	0.87
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0794	+0.9	3.01E+06	0.79	0.88	46.3	4.23E+03	0.696
PCB-64 234'6-TeCB	24.41		1.0874	1.0878	+0.6	4.15E+06	0.76	1.24	45.1	4.23E+03	0.493
PCB-72 23'55'-TeCB	25.13		0.8338	0.8342	+0.6	2.24E+05	0.78	1.37	2.21	7.84E+03	0.826
PCB-68 23'45'-TeCB	25.39	J	0.8421	0.8426	+0.8	1.38E+05	0.84	1.44	1.3	7.84E+03	0.789
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	7.84E+03	0.875
PCB-58 233'5'-TeCB	NotFnd		0.8609	-		0.00E+00		1.29	ND	7.84E+03	0.879
PCB-67 23'45-TeCB	NotFnd		0.8659	-		0.00E+00		1.38	ND	7.84E+03	0.821
PCB-63 234'5-TeCB	26.34		0.8733	0.8741	+1.3	6.50E+05	0.78	1.43	6.15	7.84E+03	0.796
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8844	+1.4	2.93E+07	0.77	1.34	296	7.84E+03	0.849
PCB-66 23'44'-TeCB	26.92		0.8921	0.8934	+2.1	1.77E+07	0.78	1.22	196	7.84E+03	0.929
PCB-55 233'4-TeCB	27.06	EMPC	0.8970	0.8982	+1.9	2.41E+05	0.91	1.27	2.56	7.84E+03	0.892

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9133	+2.8	7.27E+06	0.76	1.23	80	7.84E+03	0.924
PCB-60 2344'-TeCB	27.71		0.9176	0.9196	+3.3	3.43E+06	0.80	1.24	37.2	7.84E+03	0.913
PCB-80 33'55'-TeCB	27.95	J	0.9284	0.9275	-1.5	1.63E+05	0.85	1.47	1.49	7.84E+03	0.77
PCB-79 33'45'-TeCB	29.31		0.9723	0.9728	+0.9	3.33E+05	0.81	1.37	3.29	7.84E+03	0.83
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	7.84E+03	0.991
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.13E+03	0.476
PCB-96 22'366'-PeCB	23.62	J EMPC	1.0149	1.0151	+0.3	6.47E+04	0.73	1.00	1.13	3.13E+03	0.534
PCB-103 22'45'6'-PeCB	25.29		0.8920	0.8902	-2.7	1.02E+05	0.63	0.92	1.95	3.81E+03	0.832
PCB-94 22'356'-PeCB	NotFnd		0.8988	-		0.00E+00		0.80	ND	3.81E+03	0.952
PCB-95 22'35'6'-PeCB	25.87		0.9122	0.9106	-2.5	6.43E+06	0.61	0.85	133	3.81E+03	0.898
PCB-100/93 22'44'6'/22'356'-PeCB	NotFnd	C	0.9190	-		0.00E+00		0.87	ND	3.81E+03	0.872
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	2.89E+05	0.59	0.86	5.88	3.81E+03	0.882
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	3.81E+03	0.872
PCB-88 22'346'-PeCB	26.63		0.9356	0.9371	+2.4	1.36E+06	0.64	0.73	32.6	3.81E+03	1.04
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	3.81E+03	0.756
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9440	-2.1	1.95E+06	0.62	0.74	46.2	3.81E+03	1.03
PCB-89 22'346'-PeCB	27.25		0.9597	0.9590	-1.1	1.02E+05	0.69	0.78	2.3	3.81E+03	0.973
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	3.81E+03	0.654
PCB-92 22'355'-PeCB	27.94		0.9830	0.9834	+0.7	2.49E+06	0.62	0.83	52.9	3.81E+03	0.923
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	1.47E+07	0.62	0.96	268	3.81E+03	0.795
PCB-83 22'33'5'-PeCB	28.79		1.0151	1.0132	-3.3	4.39E+05	0.66	0.69	11.1	3.81E+03	1.1
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0166	-2.8	8.16E+06	0.62	0.87	165	3.81E+03	0.877
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	3.81E+03	0.681
PCB-108/119/86/97/125...-PeCB	29.35	C	1.0331	1.0329	-0.4	9.36E+06	0.63	0.95	173	3.81E+03	0.803
PCB-117 234'56'-PeCB	29.83		1.0524	1.0498	-4.7	3.67E+05	0.60	0.98	6.58	3.81E+03	0.779
PCB-116/85 23456'/22'344'-PeCB	29.92	C	1.0553	1.0530	-4.1	2.54E+06	0.62	0.98	45.2	3.81E+03	0.774
PCB-110 233'4'6'-PeCB	30.05		1.0600	1.0578	-4.0	1.86E+07	0.62	0.95	342	3.81E+03	0.799
PCB-115 2344'6'-PeCB	30.16		1.0628	1.0614	-2.5	4.32E+05	0.68	1.24	6.14	3.81E+03	0.616
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0674	-4.9	1.25E+06	0.65	0.72	30.5	3.81E+03	1.06
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	3.81E+03	0.659
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	3.81E+03	0.672
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9911	+0.2	6.39E+05	0.67	1.01	11.1	3.81E+03	0.752
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	1.53E+06	0.64	1.09	24.6	3.81E+03	0.699
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	3.81E+03	0.761
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0093	-1.0	2.90E+05	0.63	0.94	5.25	3.81E+03	0.793
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	3.81E+03	0.77
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.81E+03	0.352
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.81E+03	0.384
PCB-150 22'34'66'-HxCB	28.54	J EMPC	1.0119	1.0113	-1.0	5.56E+04	1.50	1.02	0.736	2.81E+03	0.379
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0215	-2.6	2.29E+06	1.25	0.91	33.7	2.81E+03	0.422
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.81E+03	0.411
PCB-148 22'34'56'-HxCB	NotFnd		1.0772	-		0.00E+00		1.01	ND	2.81E+03	0.534
PCB-151/135 ...-HxCB	30.84	C	1.0959	1.0928	-5.7	5.19E+06	1.24	0.97	93.7	2.81E+03	0.558
PCB-154 22'44'56'-HxCB	31.04		1.1028	1.0997	-5.8	4.37E+05	1.26	1.10	6.97	2.81E+03	0.493
PCB-144 22'345'6'-HxCB	31.31		1.1124	1.1093	-5.8	6.72E+05	1.31	1.00	11.7	2.81E+03	0.54

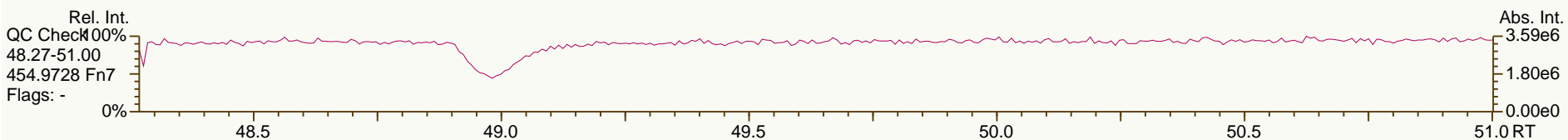
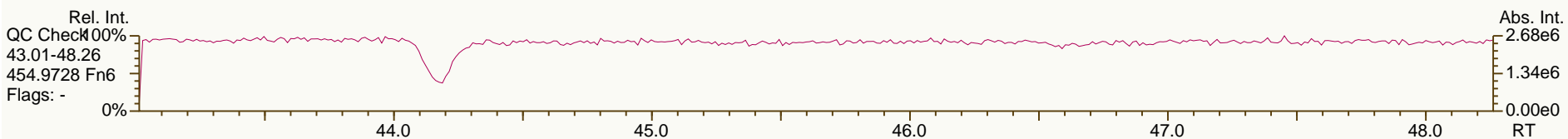
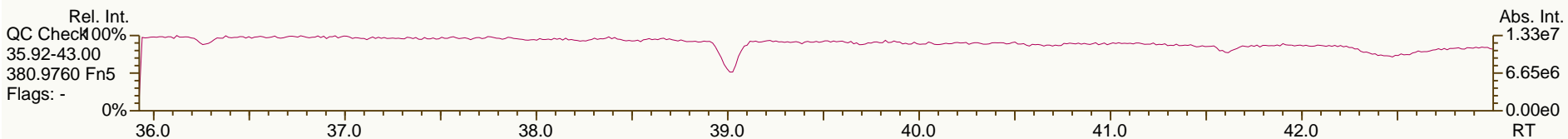
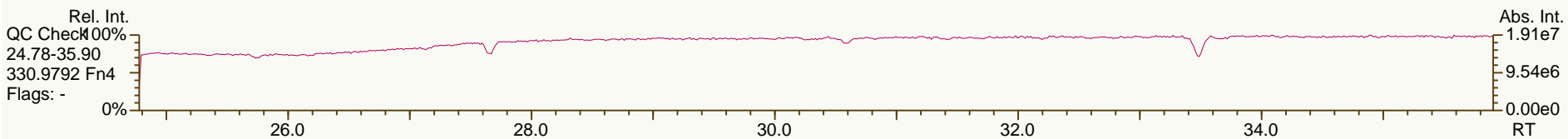
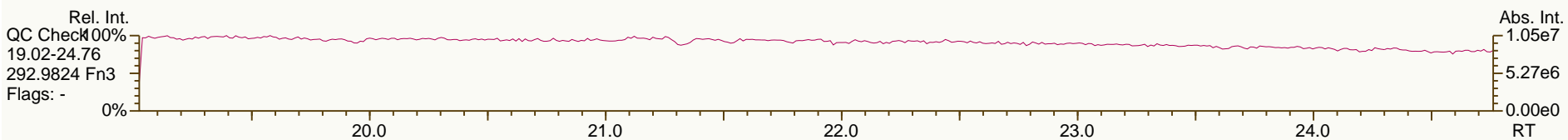
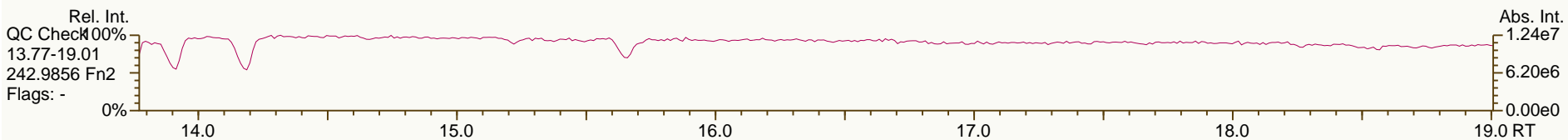
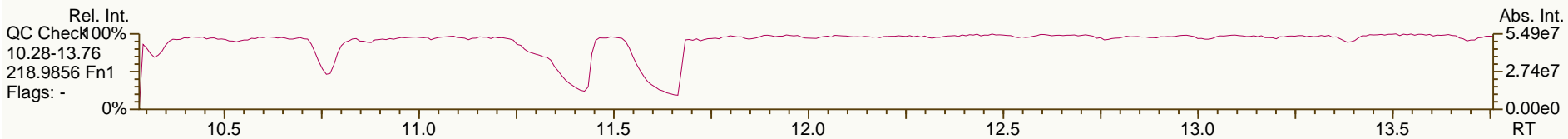
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.61	C	1.1231	1.1200	-5.9	1.30E+07	1.23	0.99	230	2.81E+03	0.546
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1261	-6.1	8.21E+05	1.21	0.82	17.6	2.81E+03	0.664
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	2.81E+03	0.558
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1379	-6.4	3.90E+05	1.26	1.01	6.78	2.81E+03	0.537
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1441	-6.6	2.02E+05	1.37	0.88	4.03	2.81E+03	0.615
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.81E+03	0.603
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1580	-6.5	4.78E+06	1.23	0.91	92.3	2.81E+03	0.597
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1725	-6.4	3.88E+05	1.21	0.93	7.36	2.81E+03	0.586
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.81E+03	0.491
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	3.59E+06	1.29	0.96	65.9	2.81E+03	0.568
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.81E+03	0.427
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9704	-1.0	1.99E+07	1.24	1.24	283	2.81E+03	0.439
PCB-141 22'3455"-HxCB	34.33		0.9751	0.9751	0	2.73E+06	1.23	0.95	50.2	2.81E+03	0.569
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	1.20E+06	1.17	0.83	25.6	2.81E+03	0.657
PCB-137 22'344'5"-HxCB	34.86		0.9904	0.9903	-0.2	8.64E+05	1.26	1.02	14.9	2.81E+03	0.531
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	1.58E+06	1.30	1.18	23.5	2.81E+03	0.46
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	2.11E+07	1.22	0.96	386	2.81E+03	0.565
PCB-160 233'456"-HxCB	35.40		1.0045	1.0055	+2.1	3.49E+05	1.08	1.24	4.93	2.81E+03	0.436
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0099	-0.4	2.50E+06	1.24	1.29	34	2.81E+03	0.42
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9620	+1.1	2.73E+06	1.28	0.97	54.9	4.39E+03	1.06
PCB-159 233'455"-HxCB	NotFnd		0.9832	-		0.00E+00		1.11	ND	4.39E+03	0.927
PCB-162 233'4'55"-HxCB	NotFnd		0.9896	-		0.00E+00		1.08	ND	4.39E+03	0.946
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.70E+03	0.4
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0095	0	1.99E+06	1.01	0.92	29.1	2.70E+03	0.427
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.70E+03	0.429
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0321	-0.2	5.37E+05	1.08	1.01	7.1	2.70E+03	0.387
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.70E+03	0.406
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0787	0	8.88E+05	0.96	0.72	16.6	2.70E+03	0.549
PCB-175 22'33'45'6"-HpCB	36.14		1.0951	1.0951	0	1.23E+05	1.18	1.01	2.51	4.21E+03	0.967
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1020	0	5.00E+06	1.07	1.09	94.9	4.21E+03	0.899
PCB-182 22'344'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	4.21E+03	0.882
PCB-183 22'344'5'6"-HpCB	36.89	B	1.1177	1.1177	0	1.97E+06	1.03	1.05	38.6	4.21E+03	0.929
PCB-185 22'3455'6"-HpCB	36.98		1.1202	1.1206	+0.9	2.89E+05	0.96	1.05	5.69	4.21E+03	0.933
PCB-174 22'33'456"-HpCB	37.09	B	1.1240	1.1240	0	2.60E+06	1.06	0.93	57.6	4.21E+03	1.05
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1352	-0.4	1.97E+06	1.05	0.92	44.3	4.21E+03	1.06
PCB-181 22'344'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	4.21E+03	0.953
PCB-171/173 ...-HpCB	38.00	B C	1.1512	1.1515	+0.7	8.87E+05	1.05	0.91	20.1	4.21E+03	1.08
PCB-172 22'33'455"-HpCB	39.36	B	0.9027	0.9028	+0.2	4.83E+05	1.06	0.89	11.2	4.21E+03	1.1
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.21E+03	0.868
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	6.75E+06	1.03	1.07	131	4.21E+03	0.915
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	1.72E+05	0.96	1.16	3.05	4.21E+03	0.843
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	2.44E+06	1.01	0.99	60.4	4.21E+03	1.13
PCB-190 233'44'56"-HpCB	41.43	B	0.9503	0.9504	+0.2	6.51E+05	1.12	1.27	12.6	4.21E+03	0.886
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	6.28E+05	0.89	0.86	11.6	3.31E+03	0.69
PCB-201 22'33'45'66"-OoCB	38.34		1.0214	1.0213	-0.2	3.13E+05	0.87	0.95	5.27	3.31E+03	0.629

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.31E+03	0.668
PCB-197 22'33'44'66'-OcCB	39.11	J	1.0417	1.0416	-0.2	7.26E+04	0.98	0.93	1.25	3.31E+03	0.644
PCB-200 22'33'4566'-OcCB	39.21	B EMPC	1.0444	1.0442	-0.5	1.98E+05	1.03	0.92	3.44	3.31E+03	0.65
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1074	+2.0	1.72E+06	0.96	0.64	43	3.31E+03	0.931
PCB-196 22'33'44'56'-OcCB	42.13	B	1.1220	1.1221	+0.3	6.54E+05	0.91	0.66	15.9	3.31E+03	0.909
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1264	+0.3	1.09E+06	0.82	0.68	25.6	3.31E+03	0.876
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9488	-0.3	3.67E+05	0.86	0.89	13.3	3.64E+03	1.51
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	1.11E+06	0.92	0.92	38.8	3.64E+03	1.47
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0005	+0.3	6.78E+04	0.81	1.13	1.92	3.64E+03	1.19
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	3.67E+05	0.83	1.03	8.28	4.08E+03	1.08
PCB-207 22'33'44'566'-NoCB	44.00		1.0187	1.0187	0	1.50E+05	0.83	1.00	3.51	4.08E+03	1.12
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0004	0	7.78E+05	0.78	0.97	27.6	4.08E+03	1.79

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Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

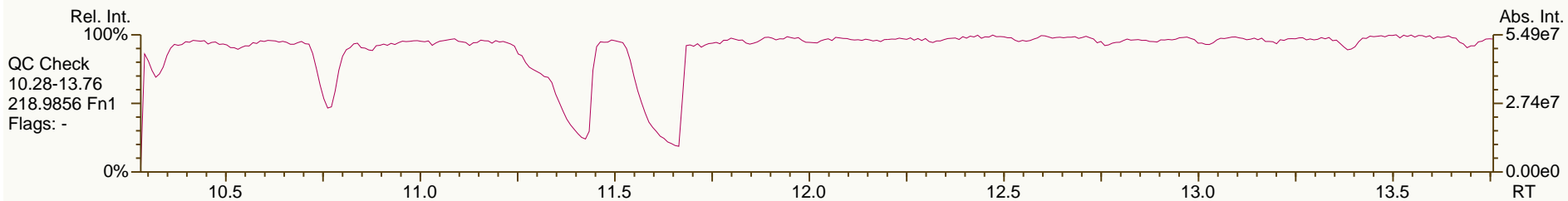
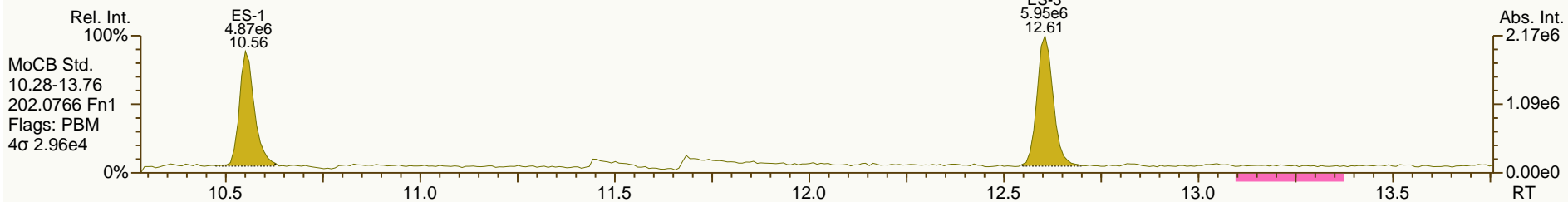
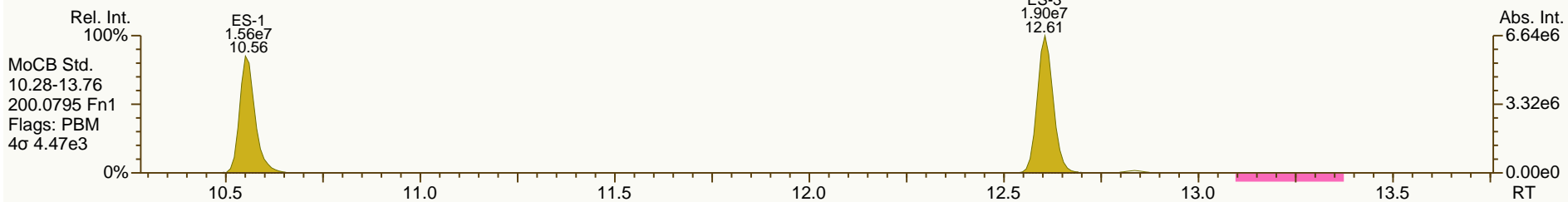
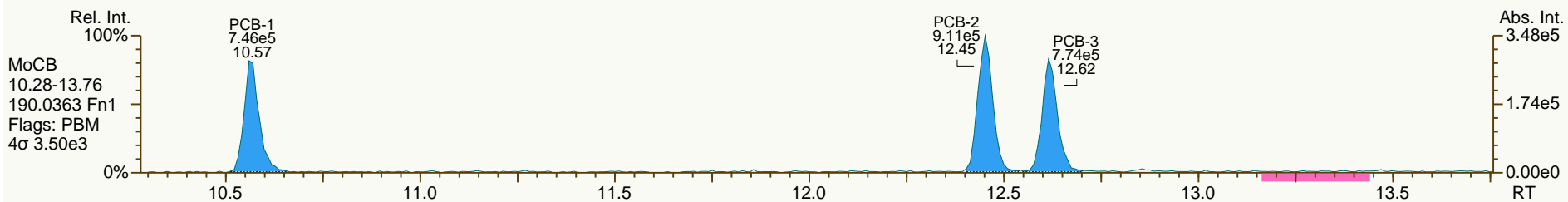
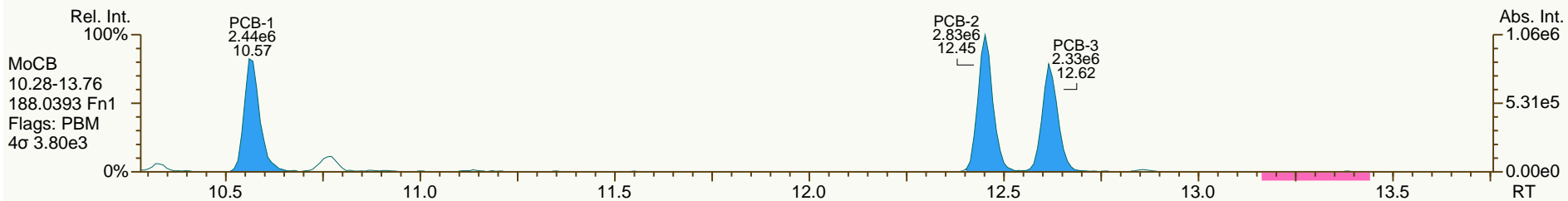
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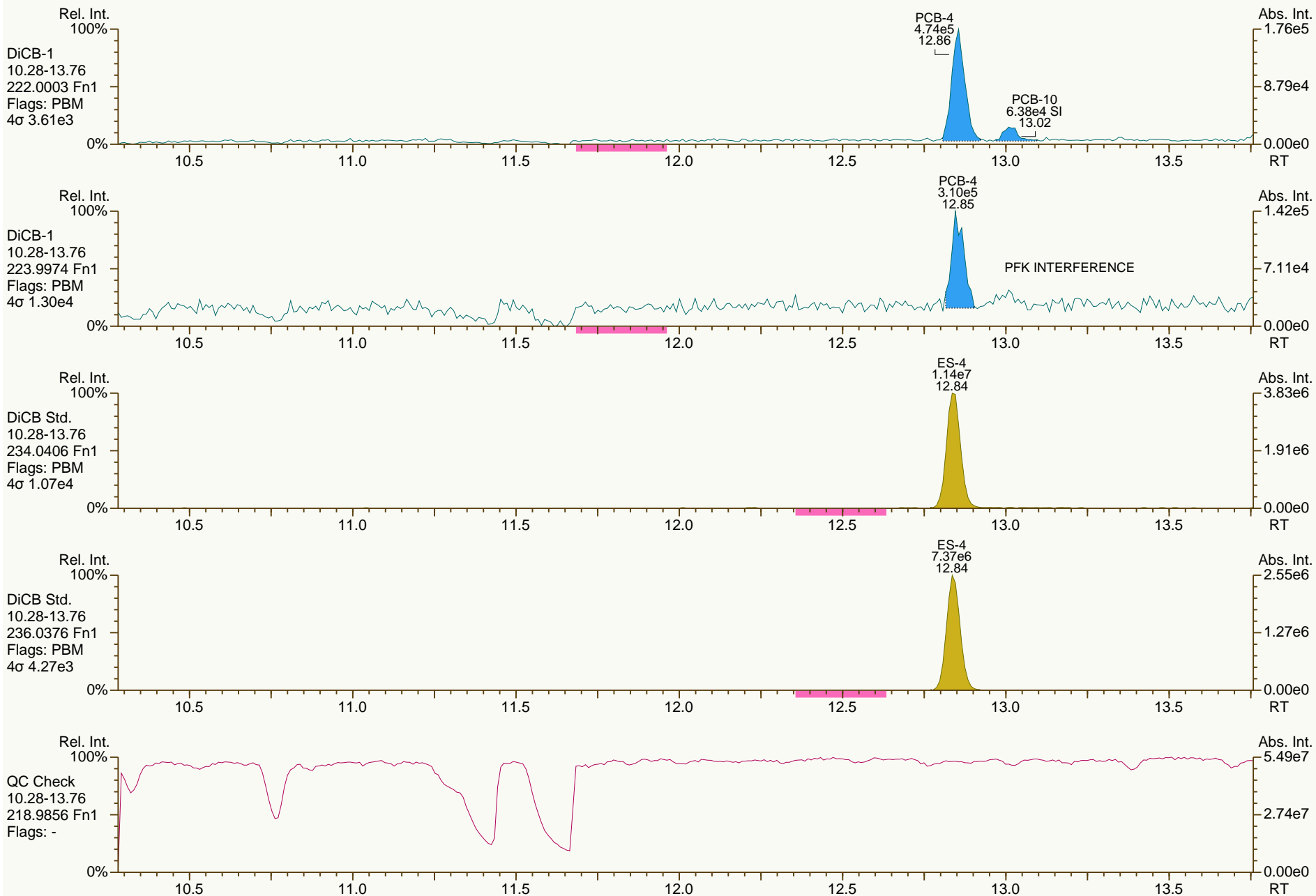
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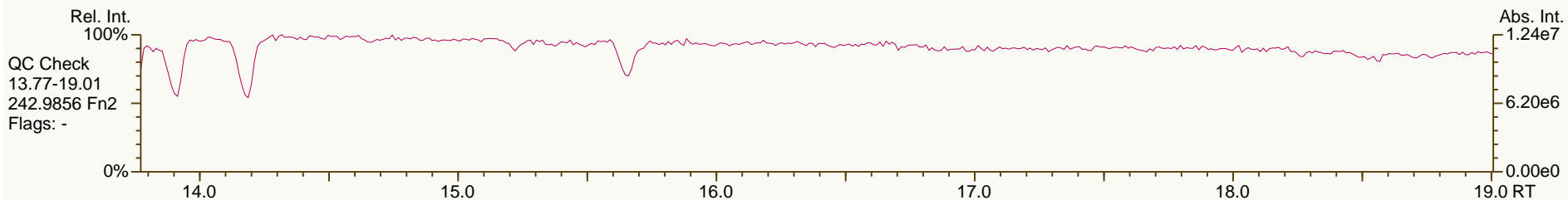
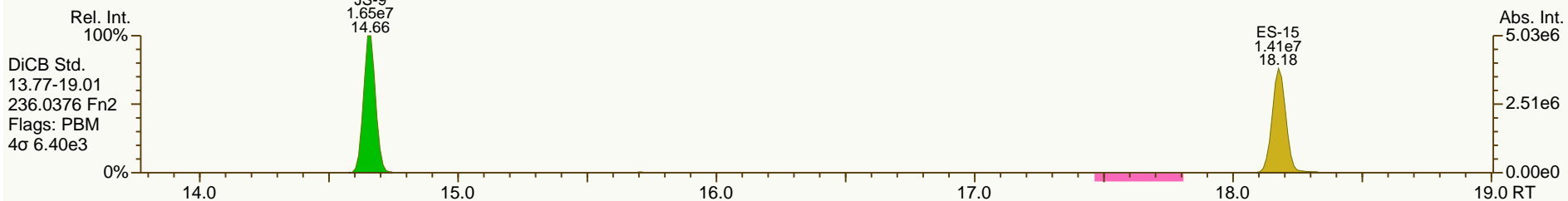
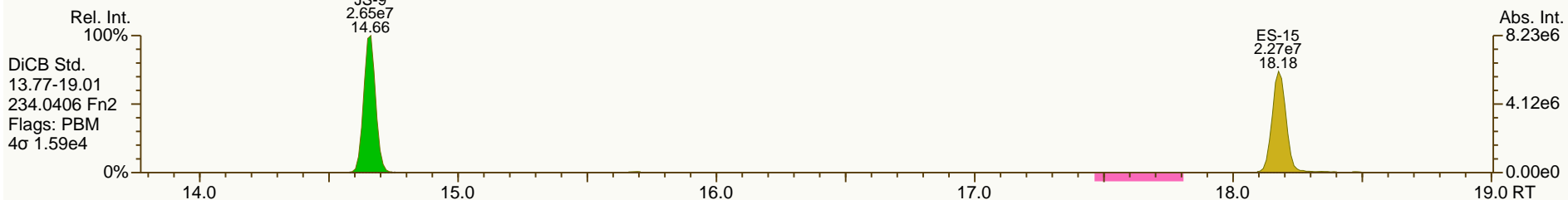
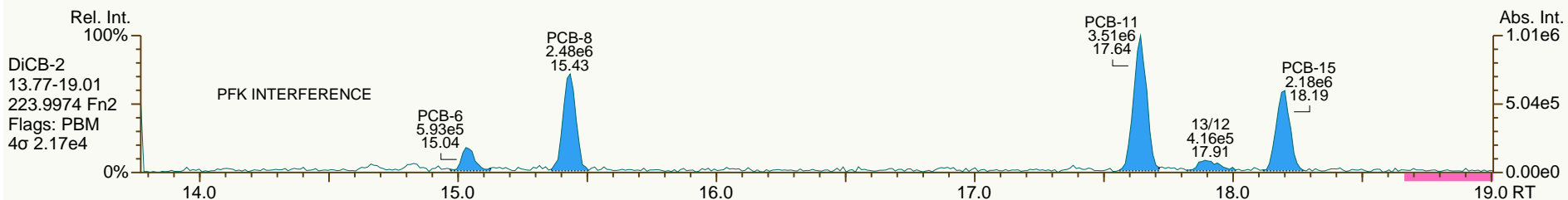
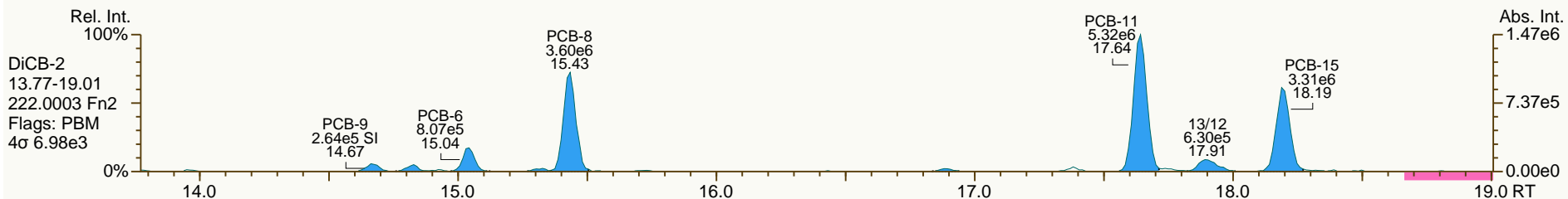
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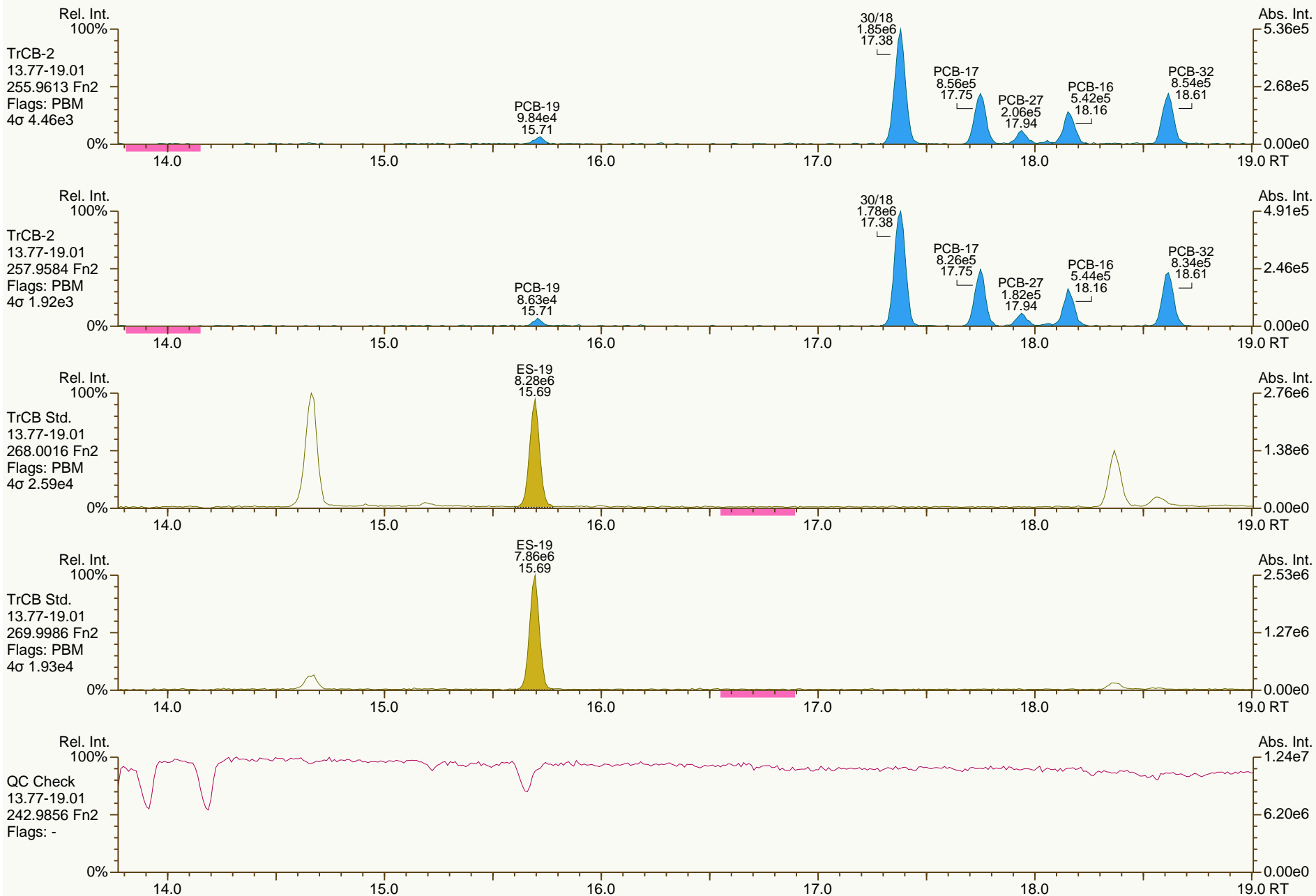
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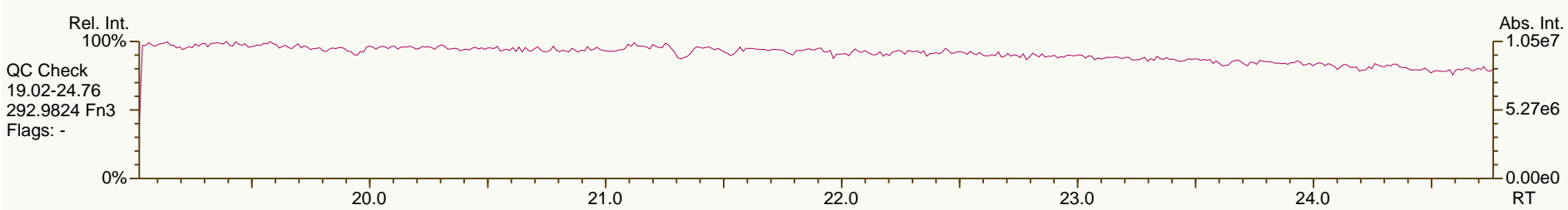
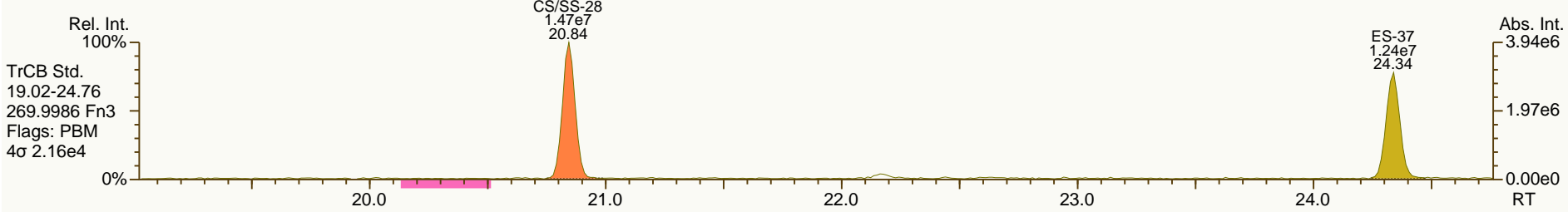
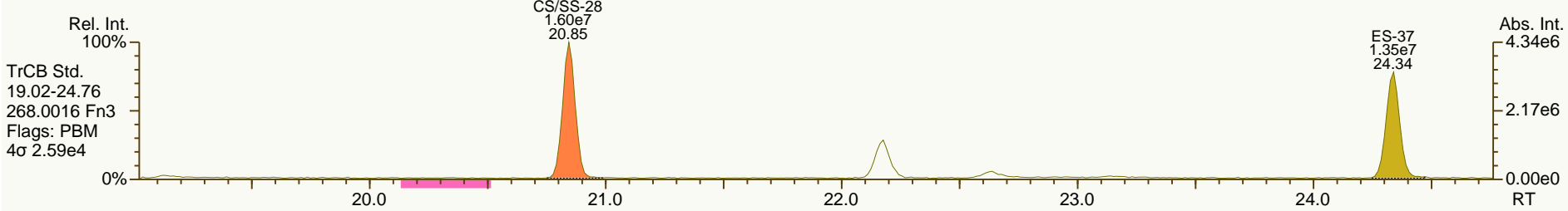
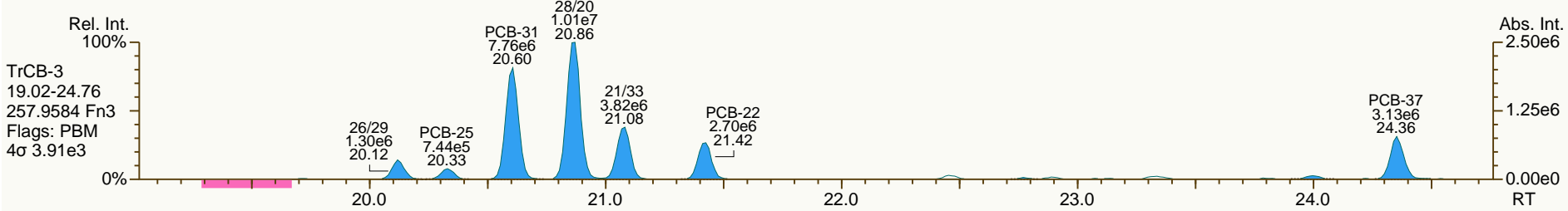
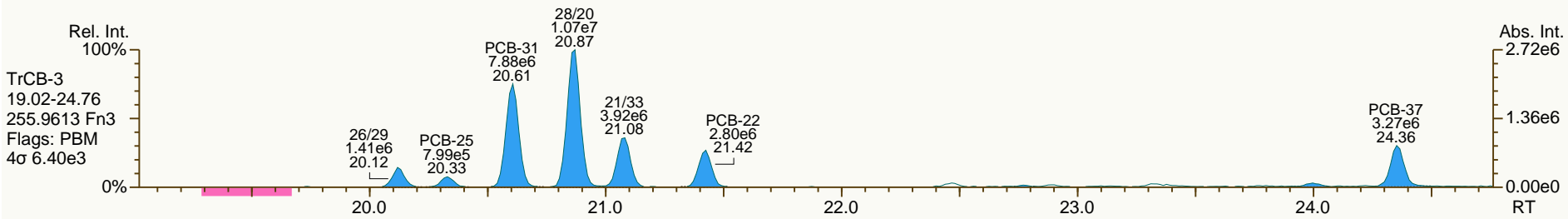
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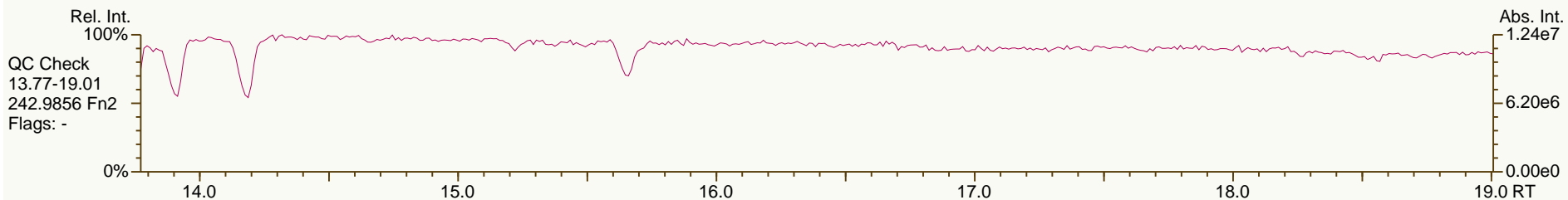
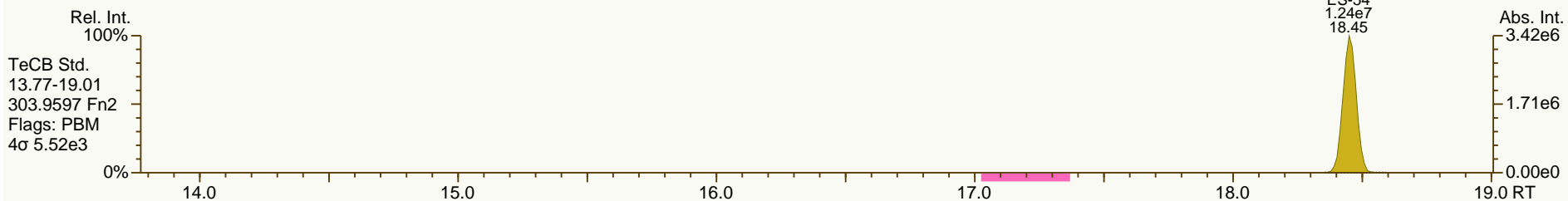
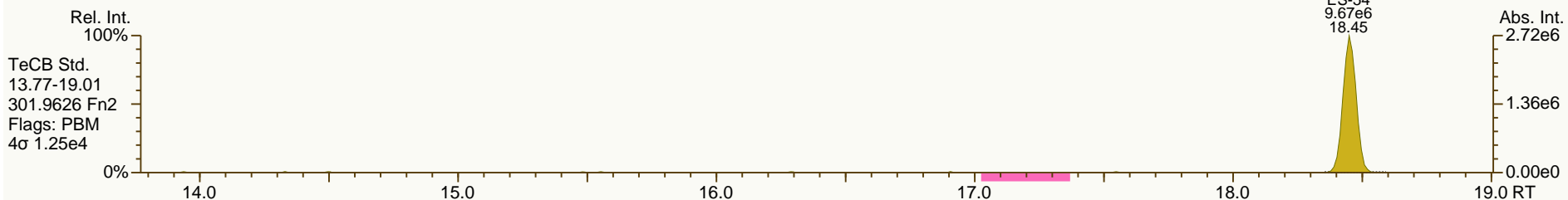
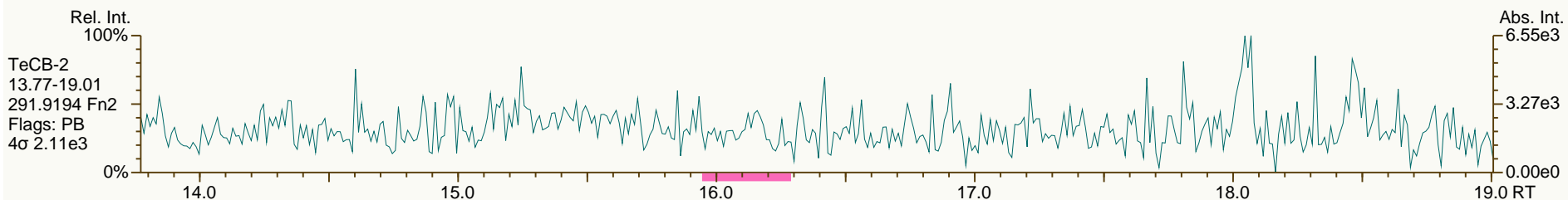
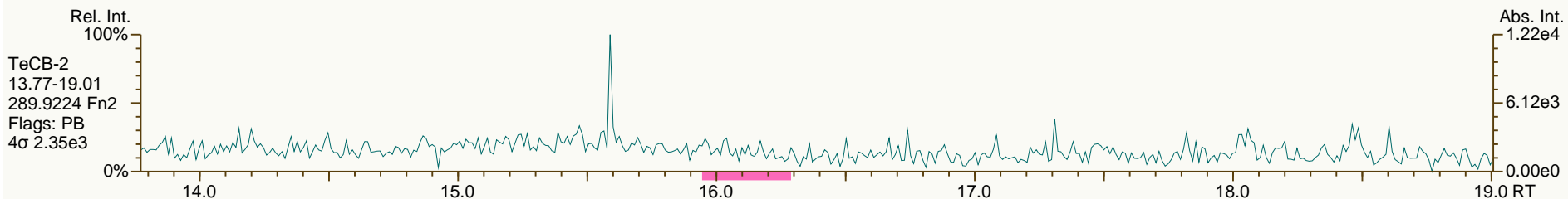
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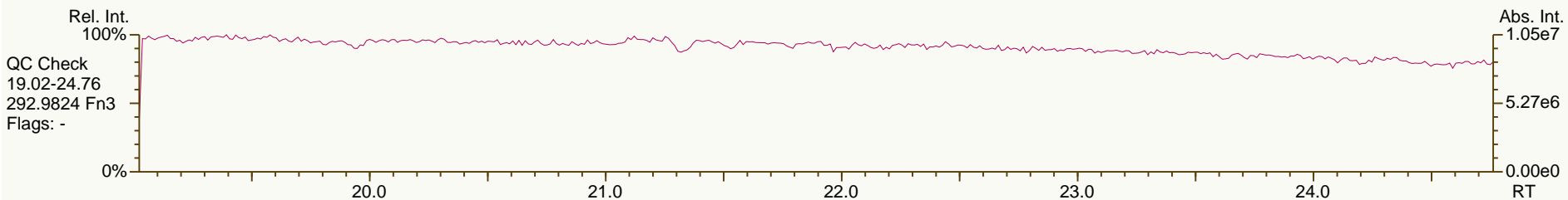
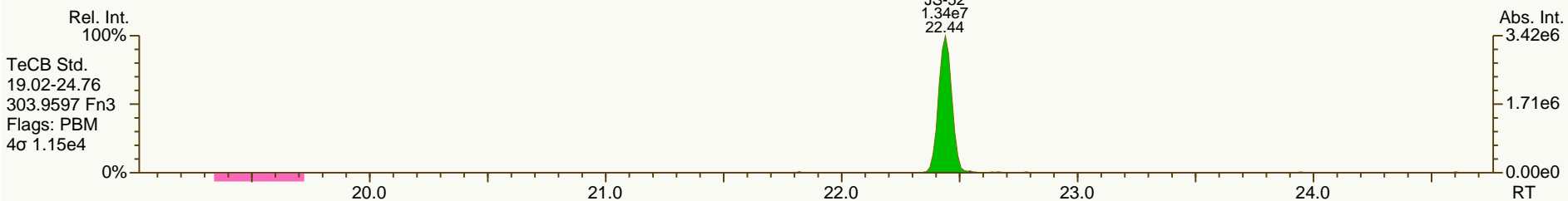
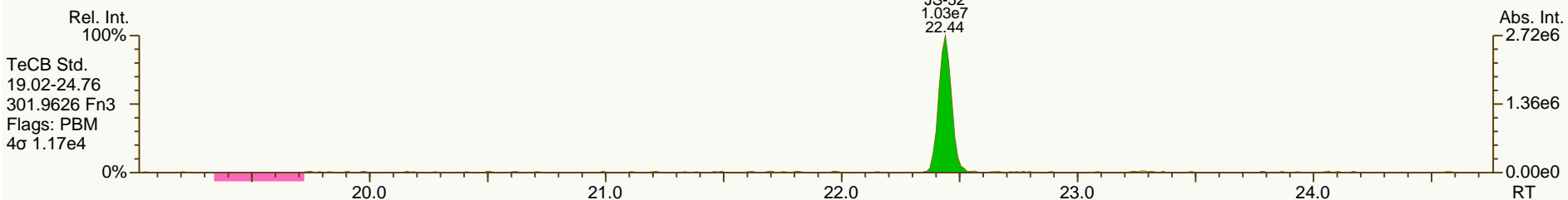
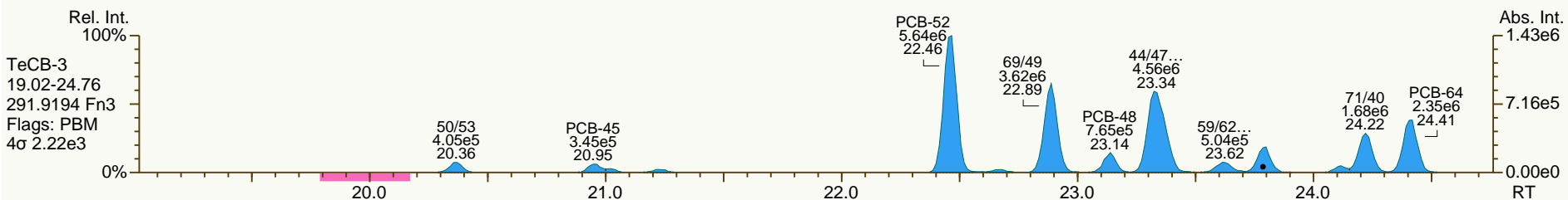
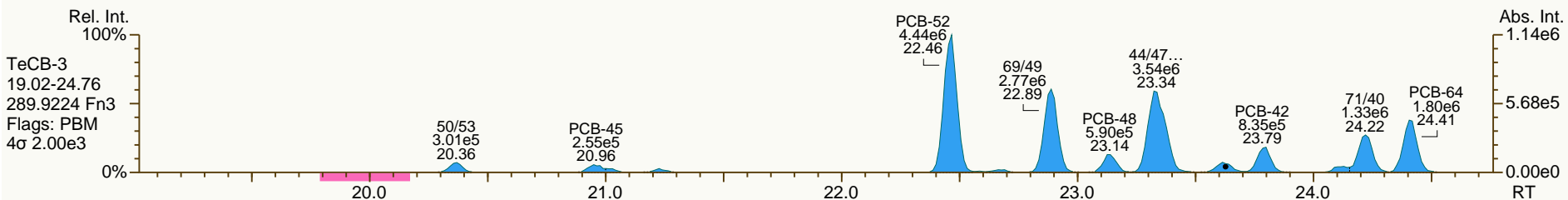
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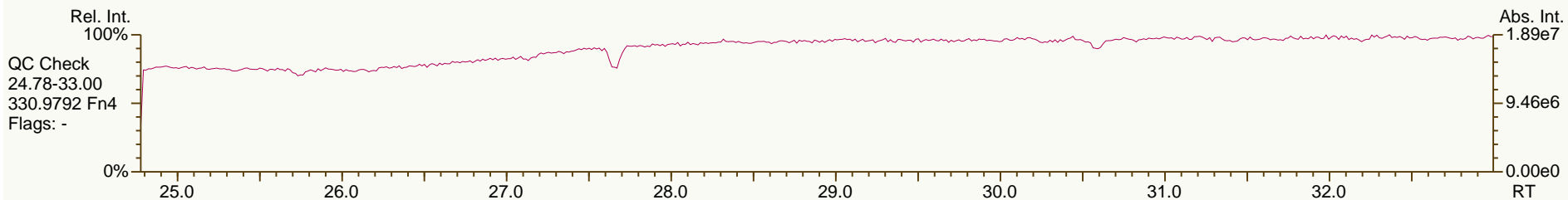
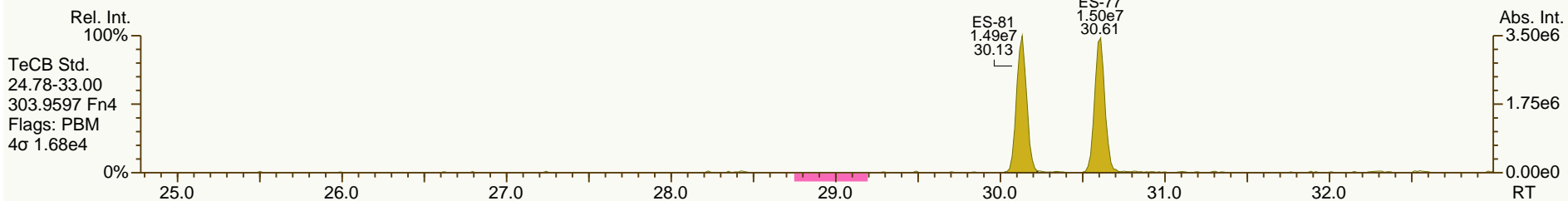
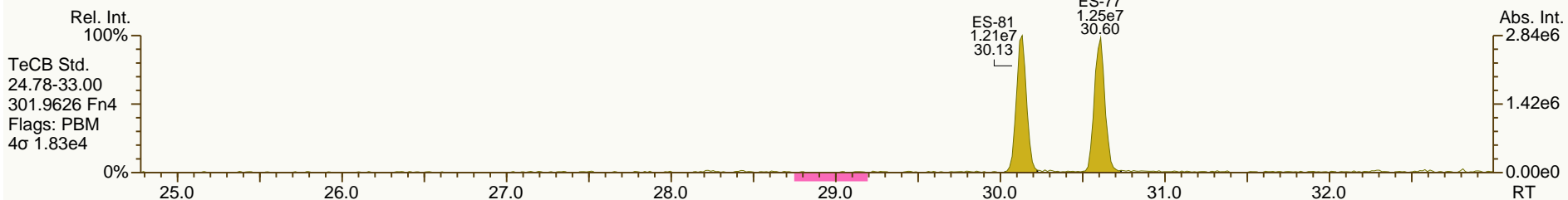
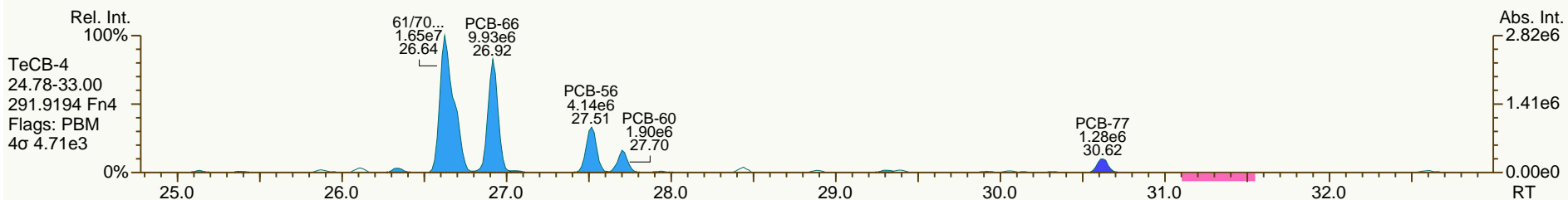
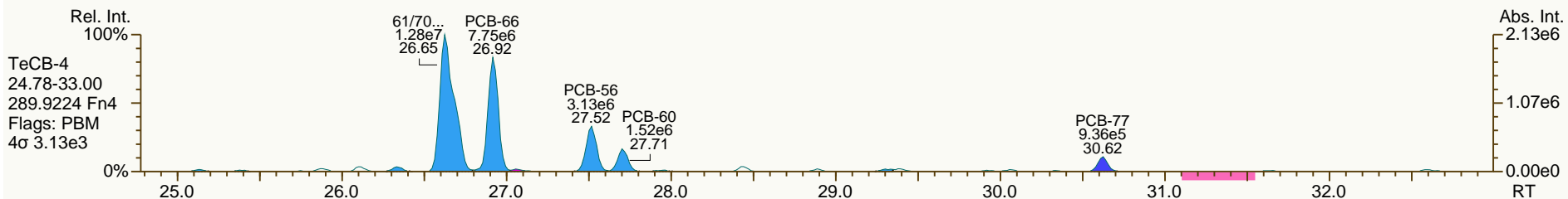
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

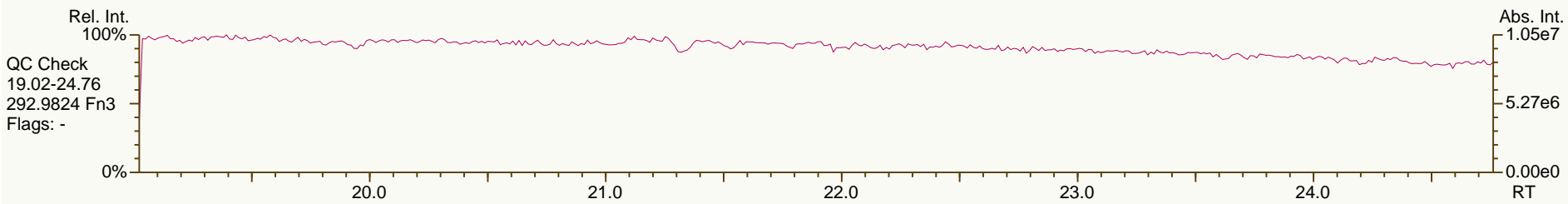
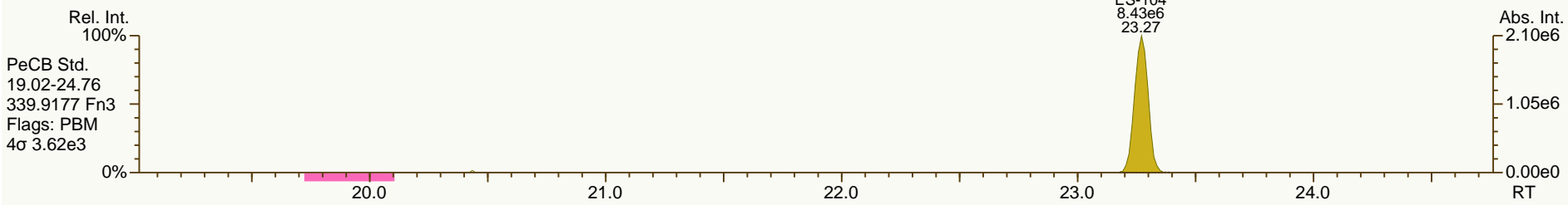
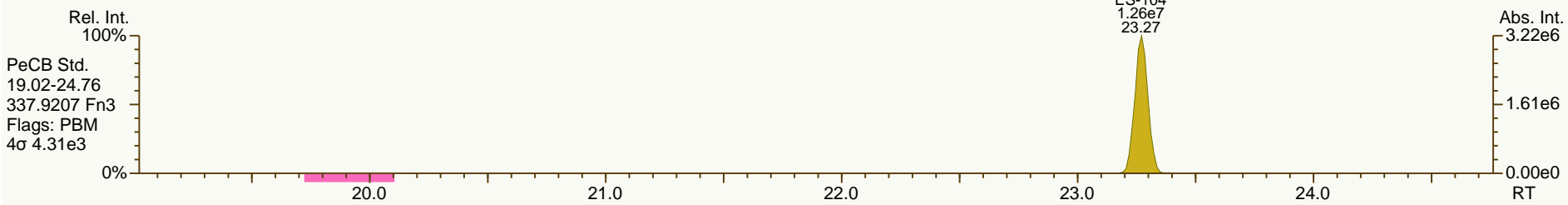
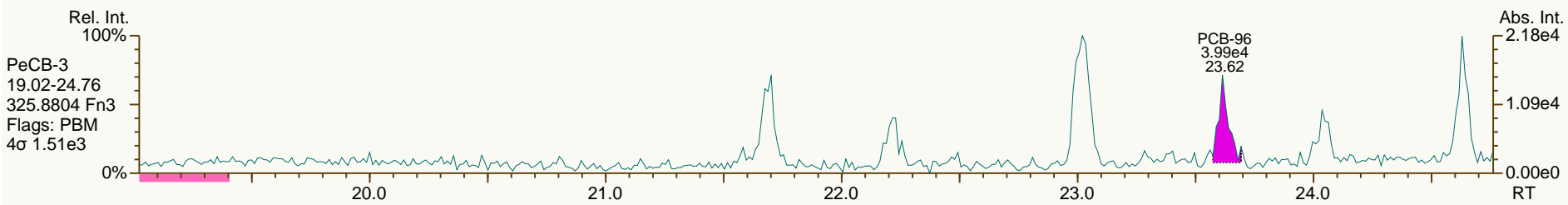
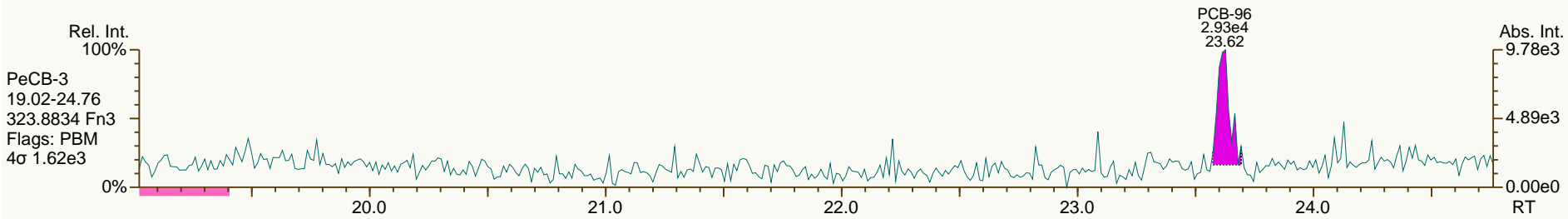
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

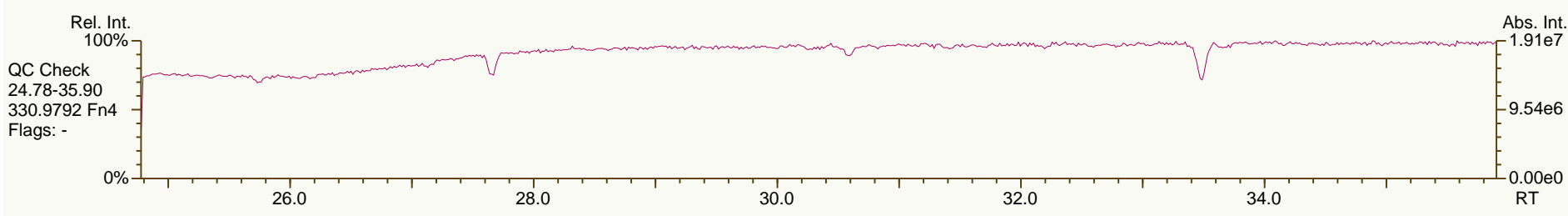
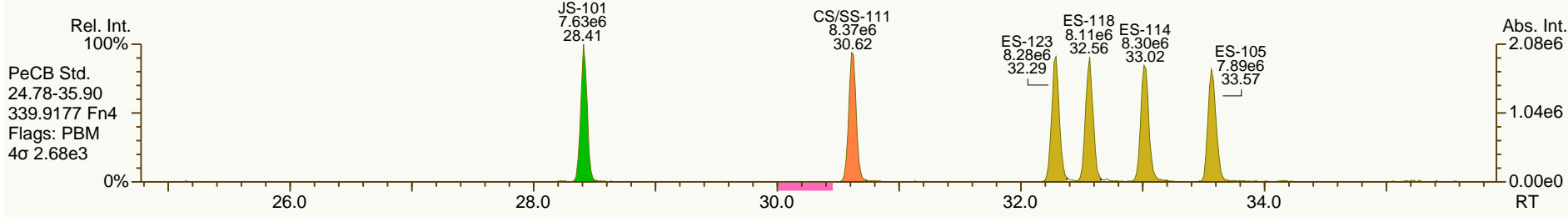
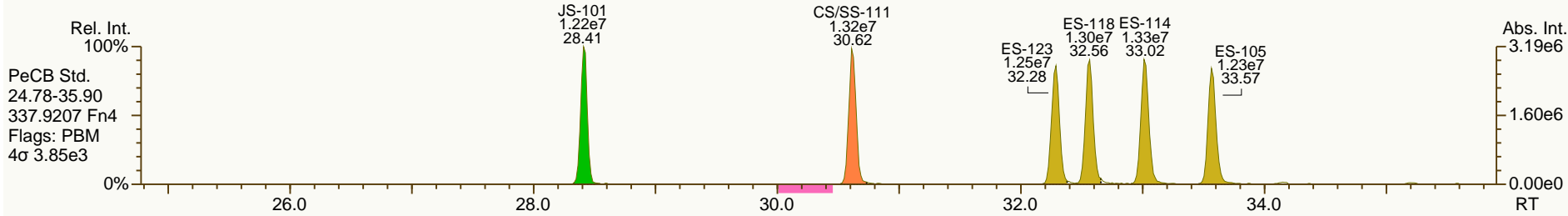
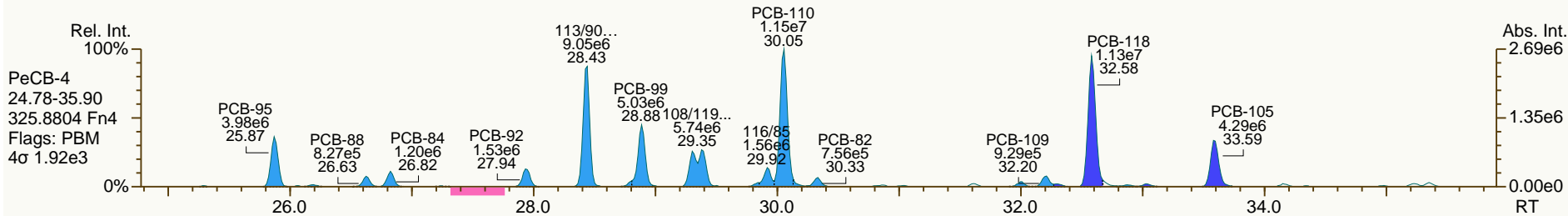
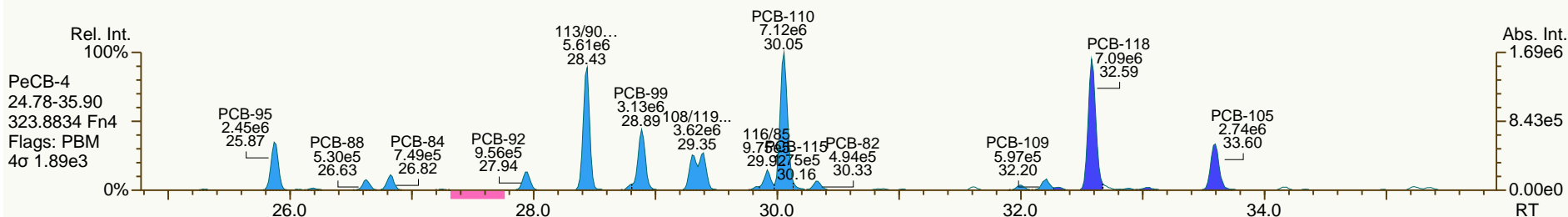
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

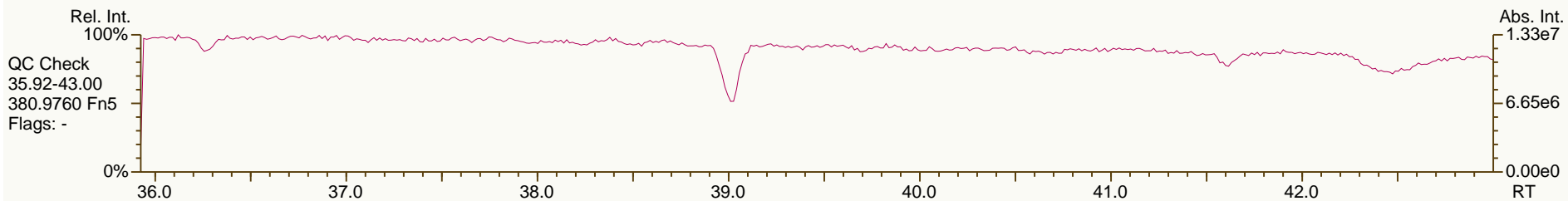
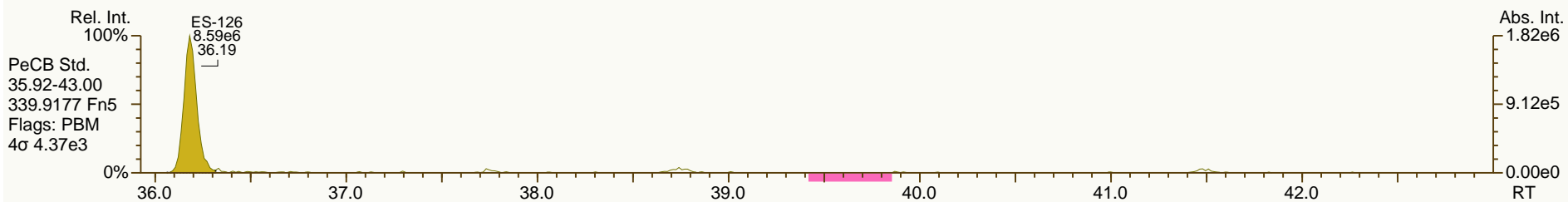
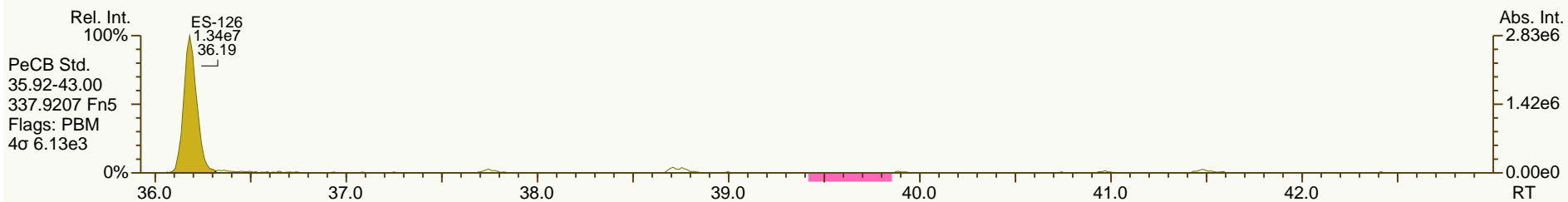
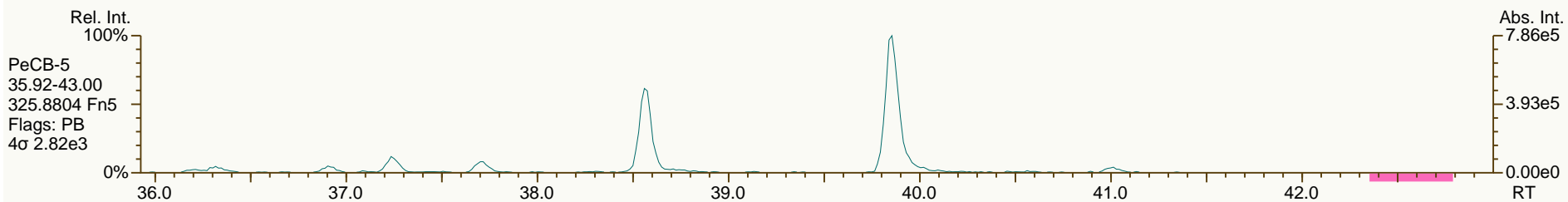
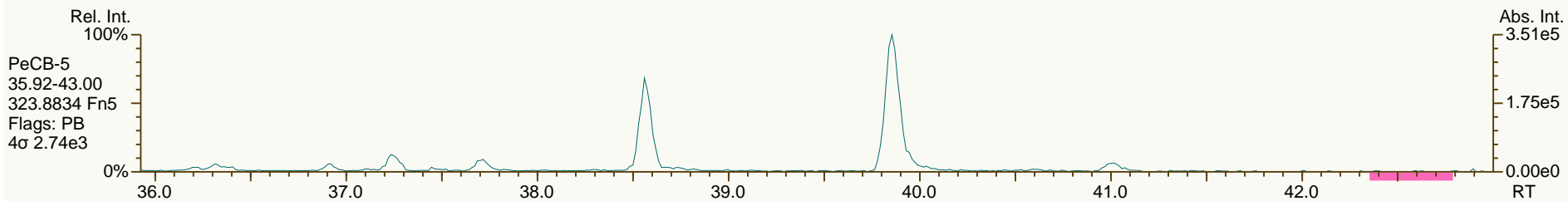
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

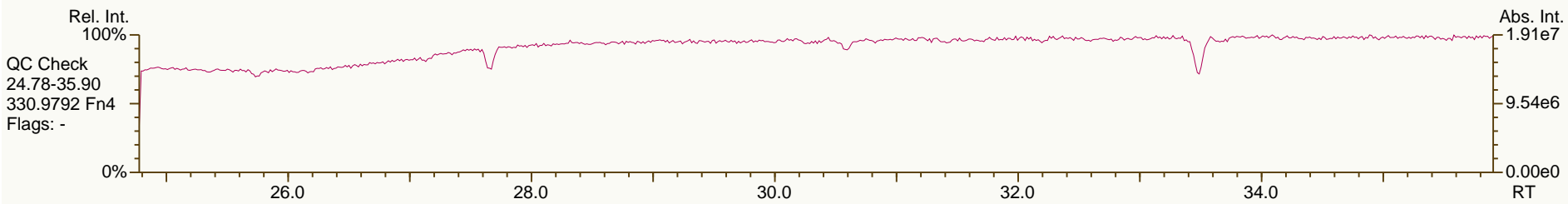
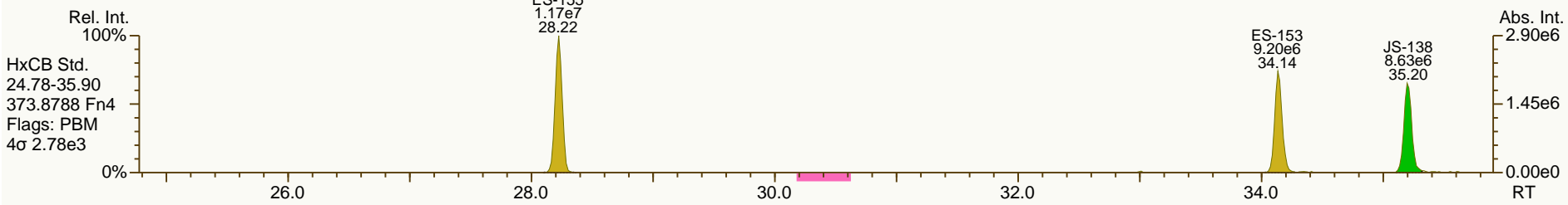
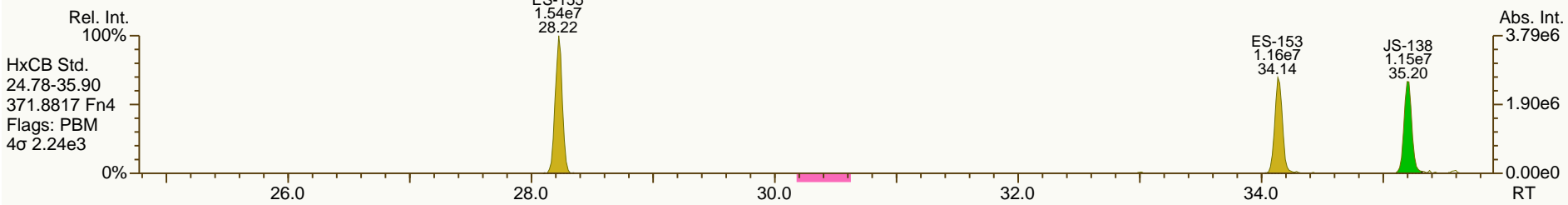
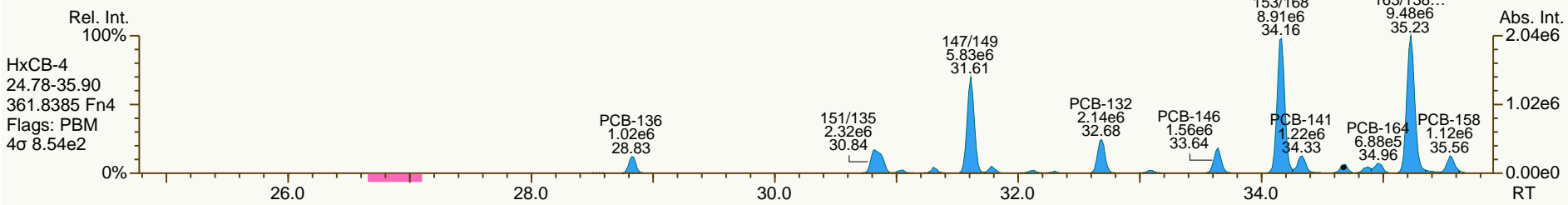
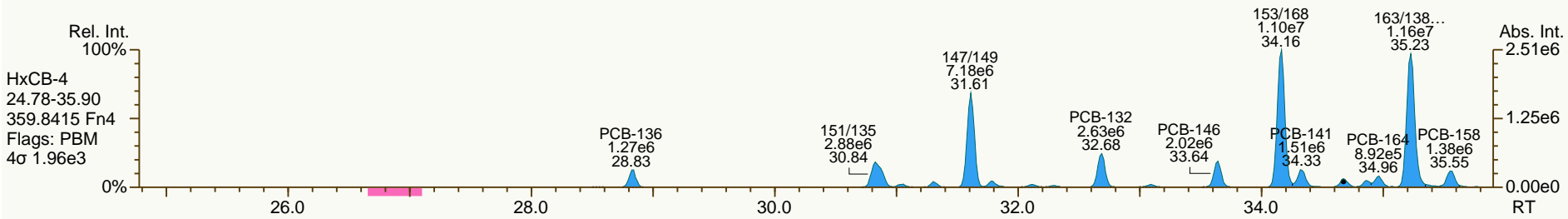
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

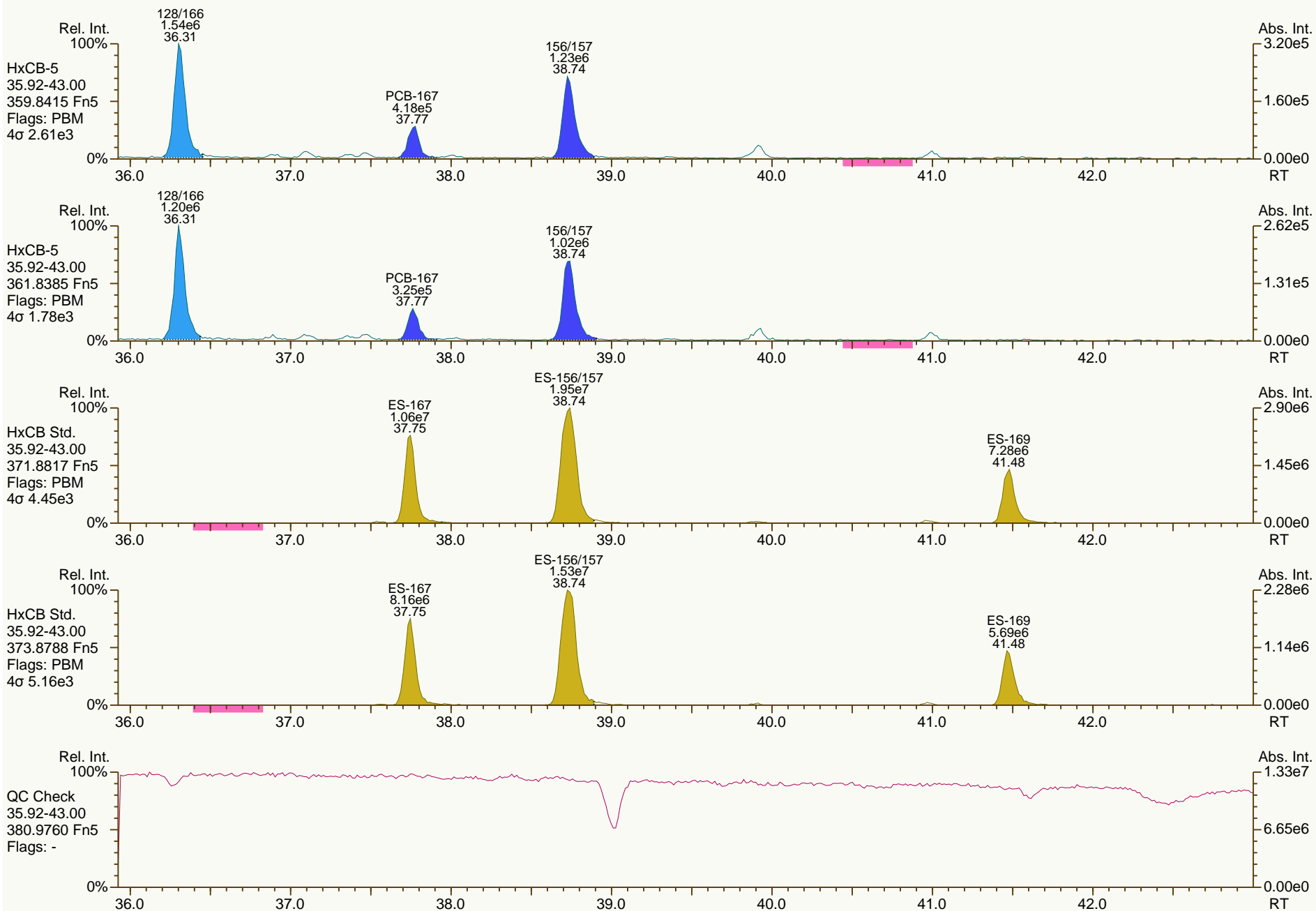
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

Acq: 19-Jul-2013 17:21:24
 User: JLJ Datafile: 130719V12



SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

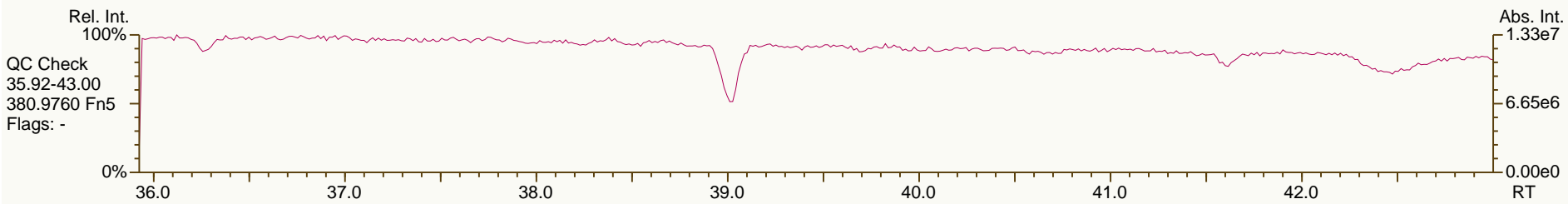
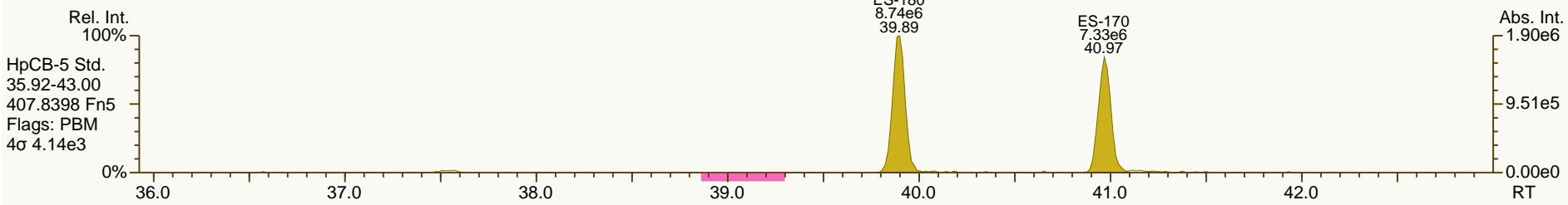
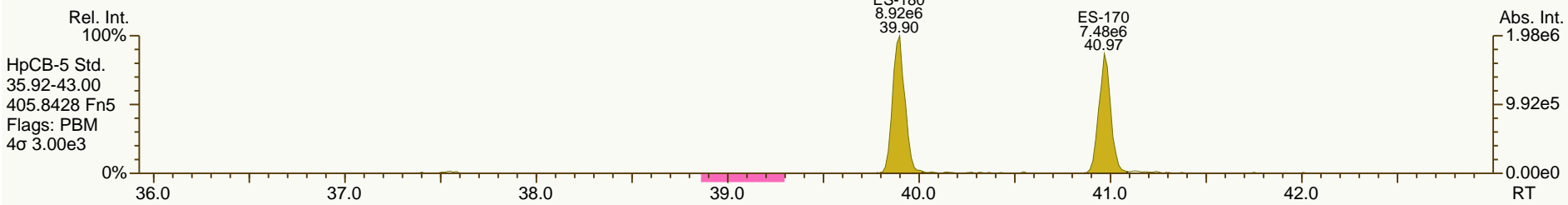
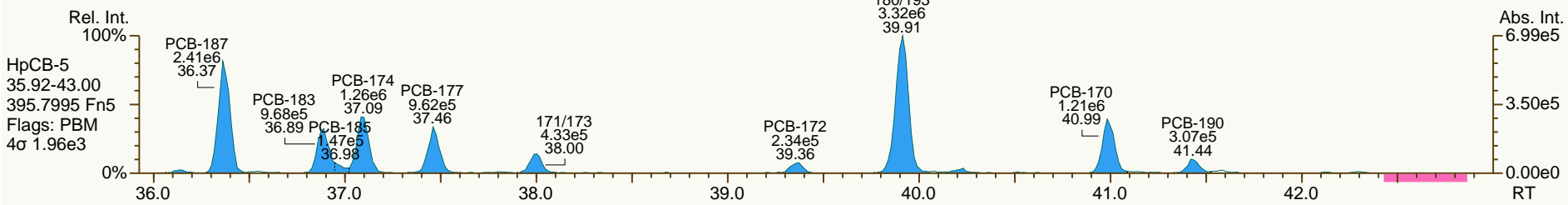
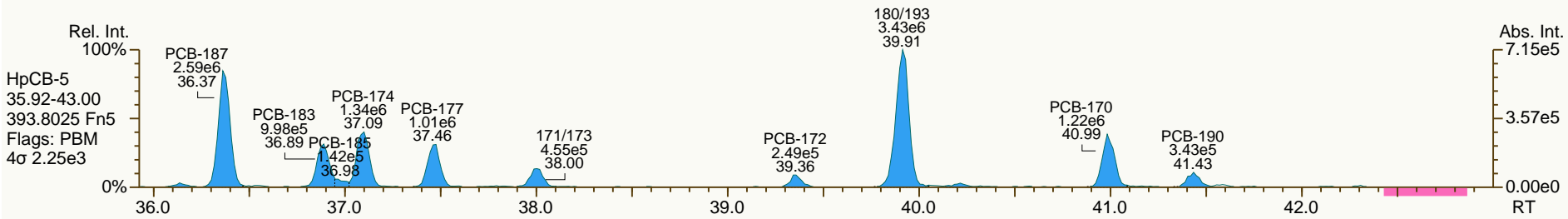
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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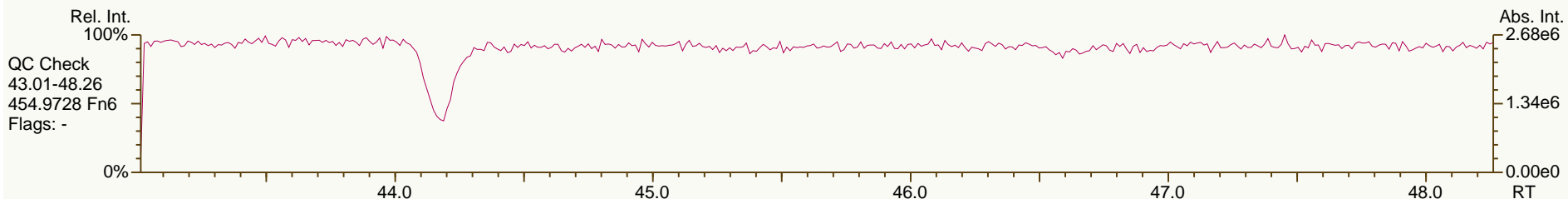
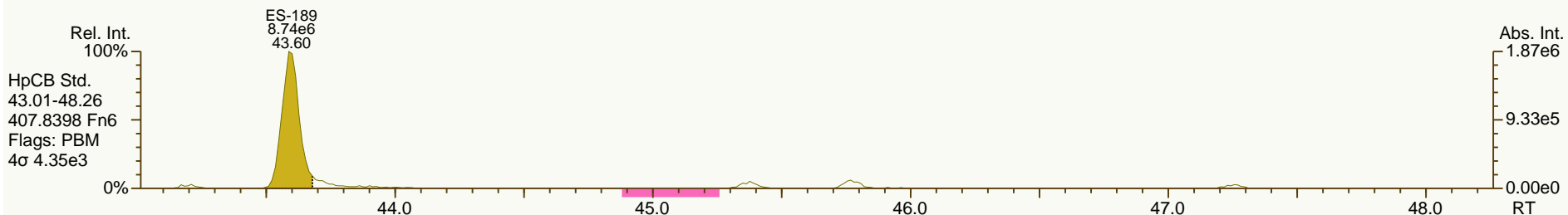
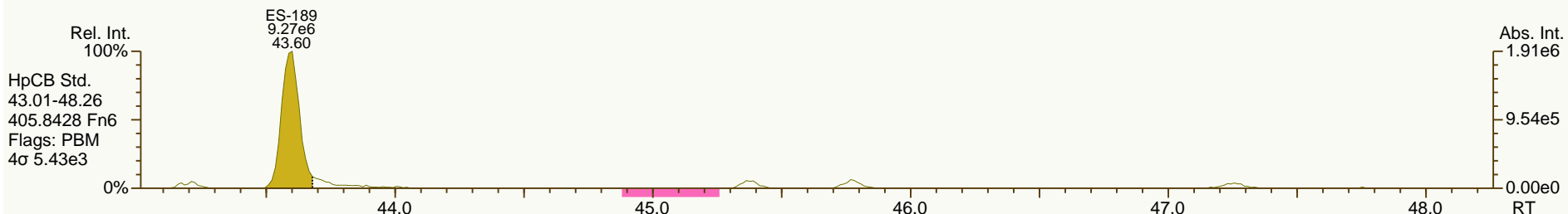
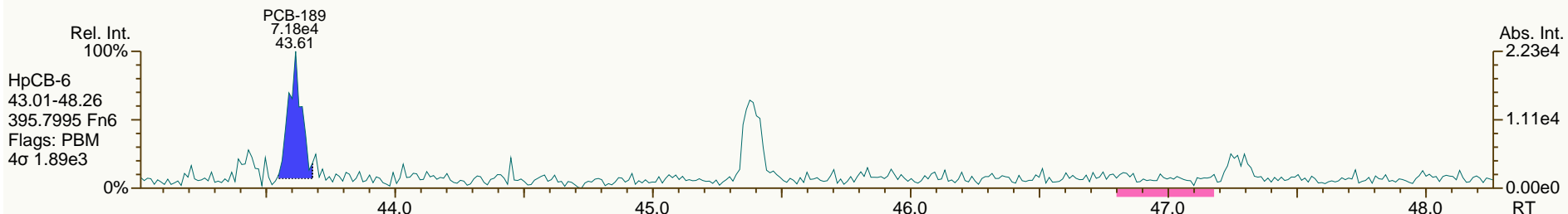
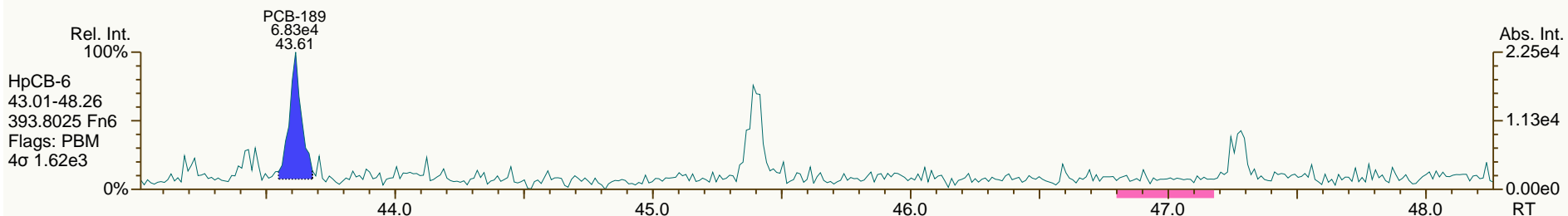
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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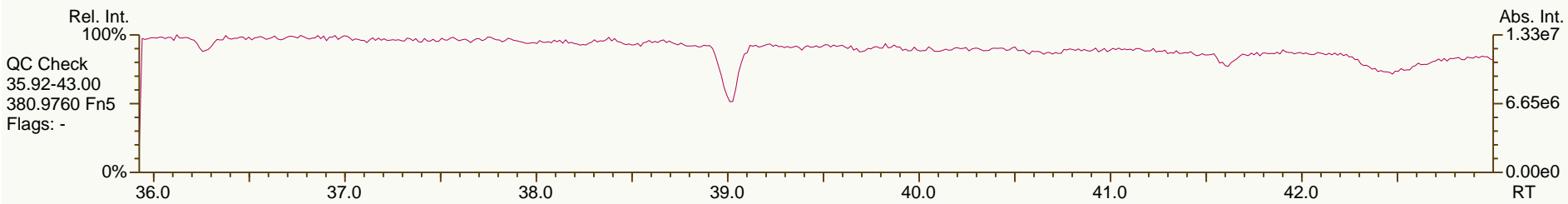
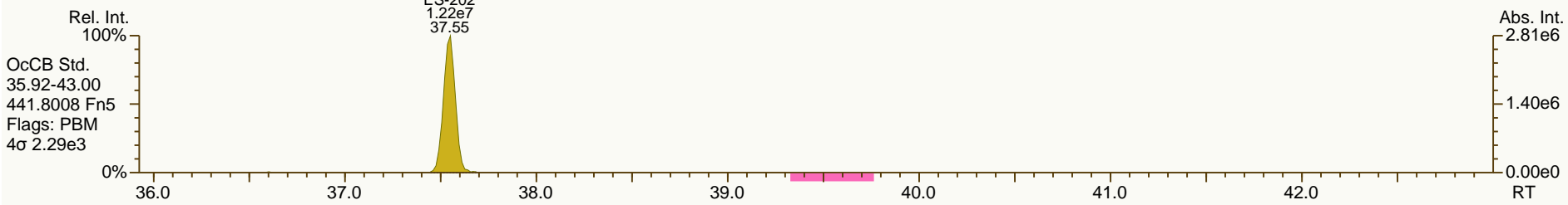
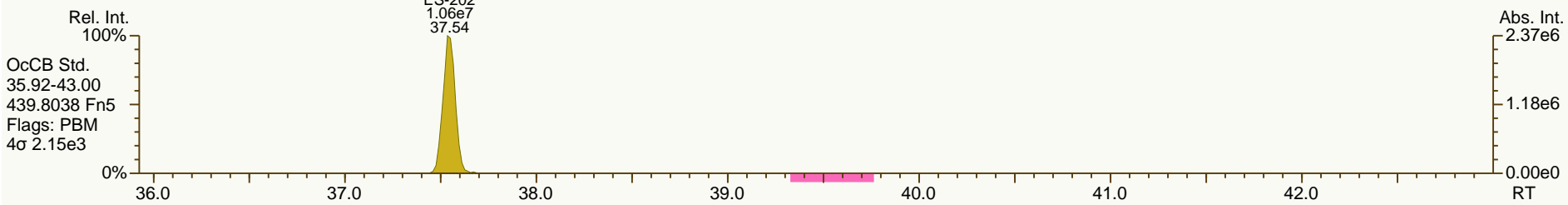
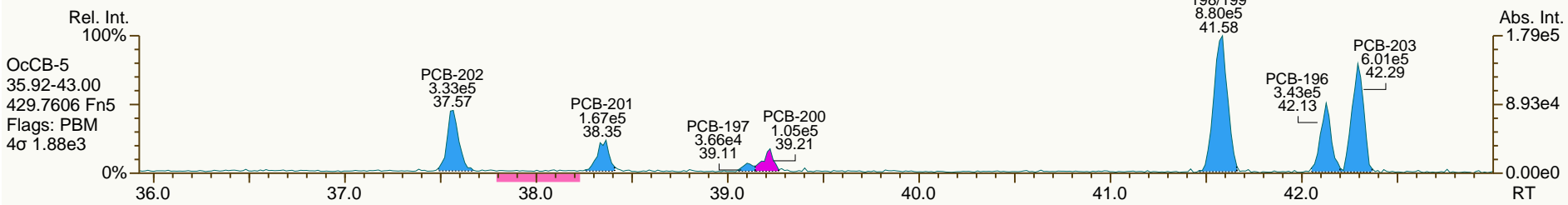
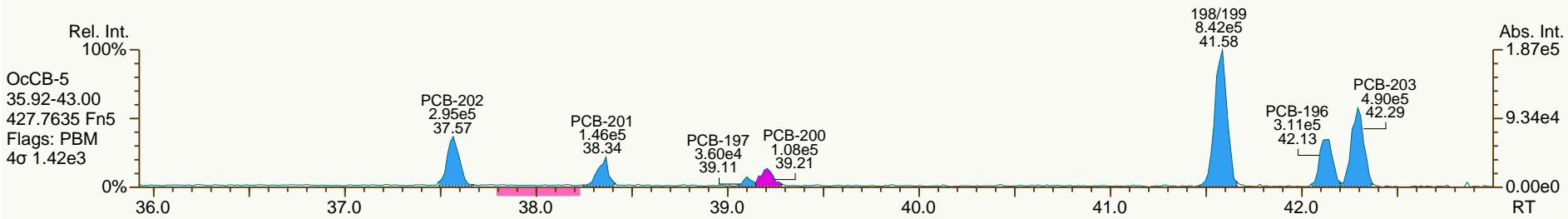
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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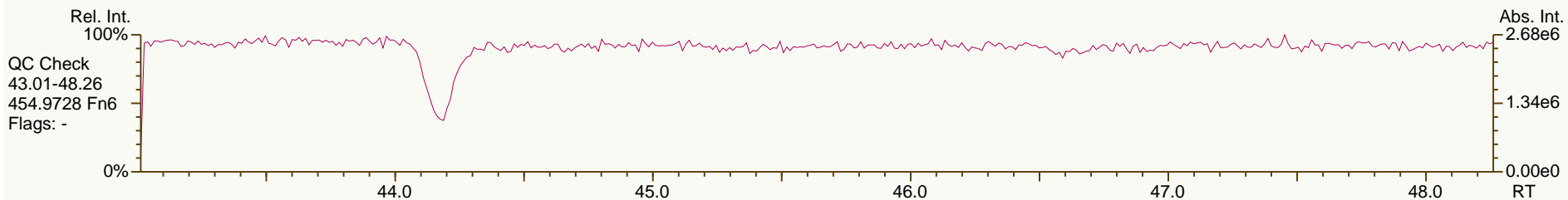
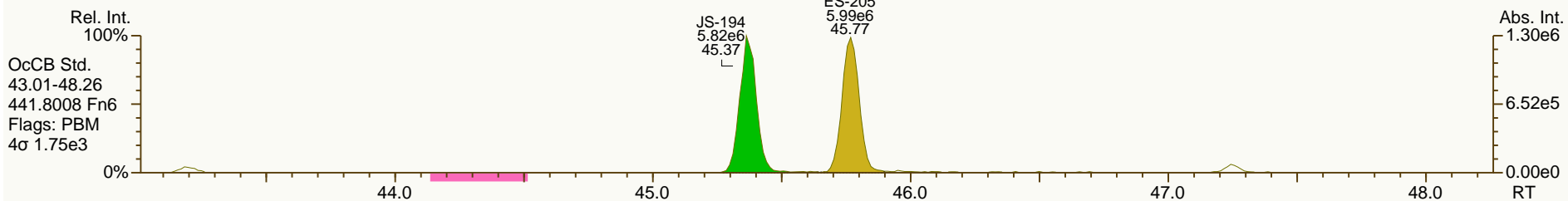
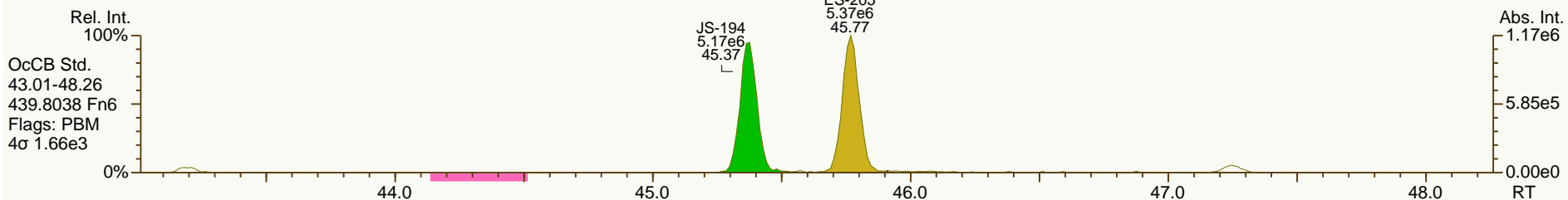
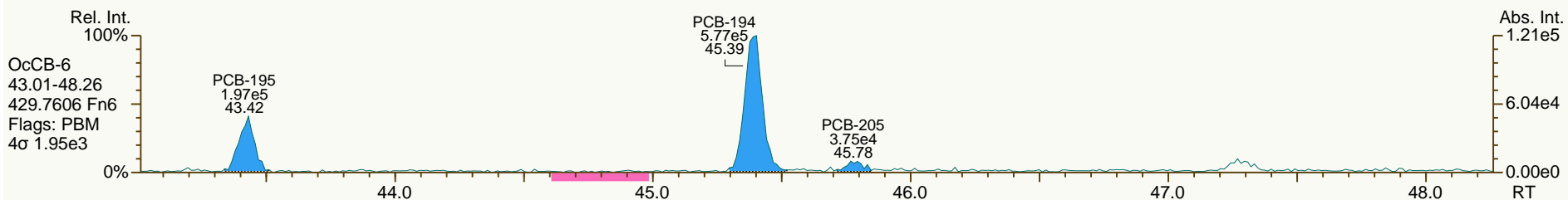
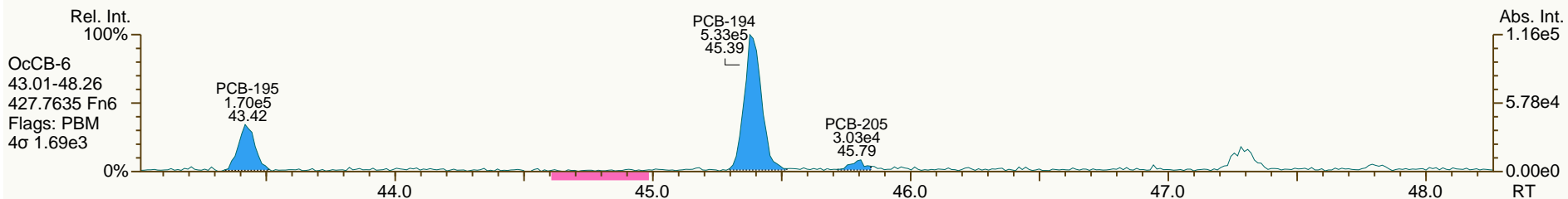
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

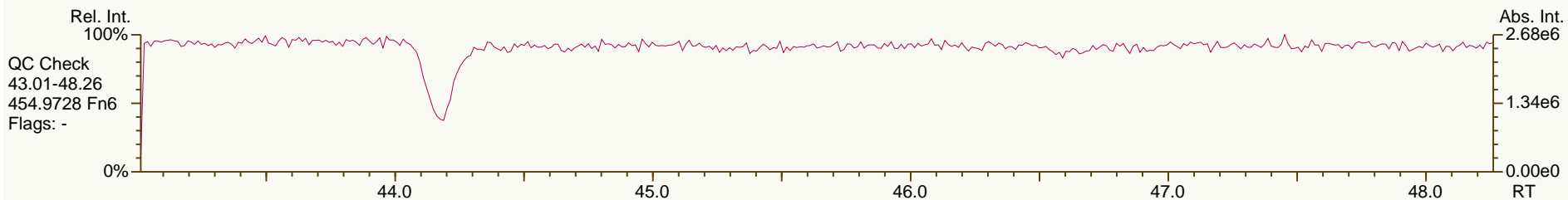
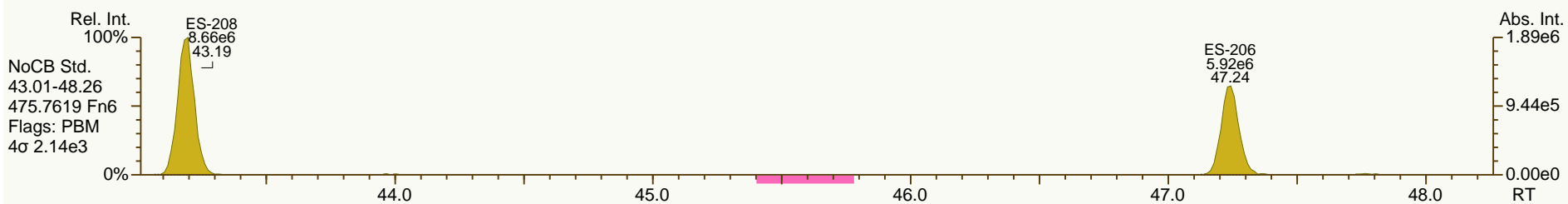
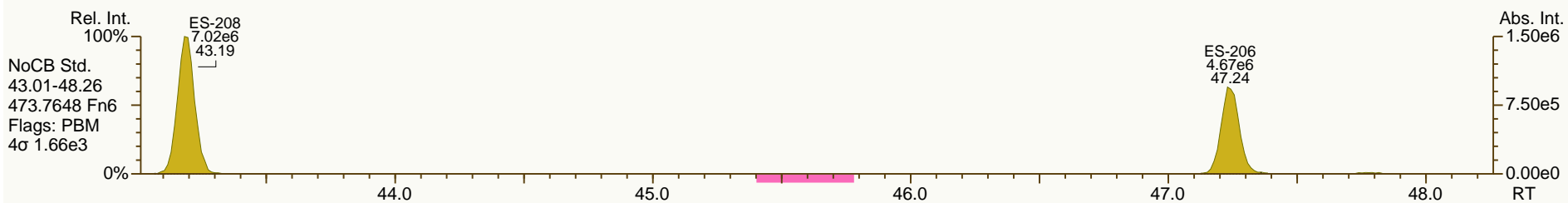
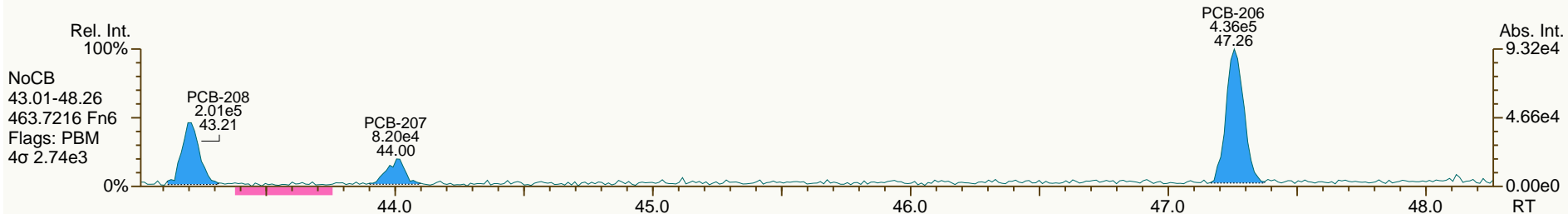
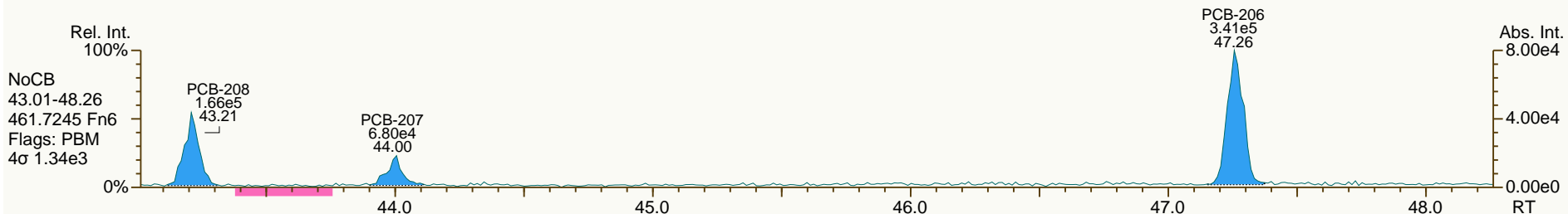
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
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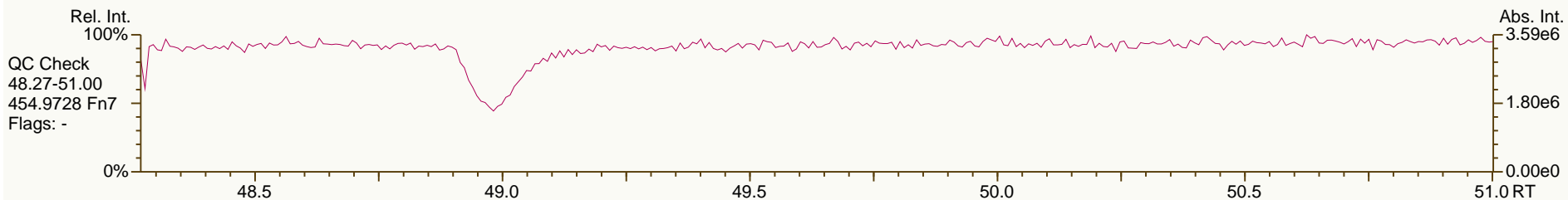
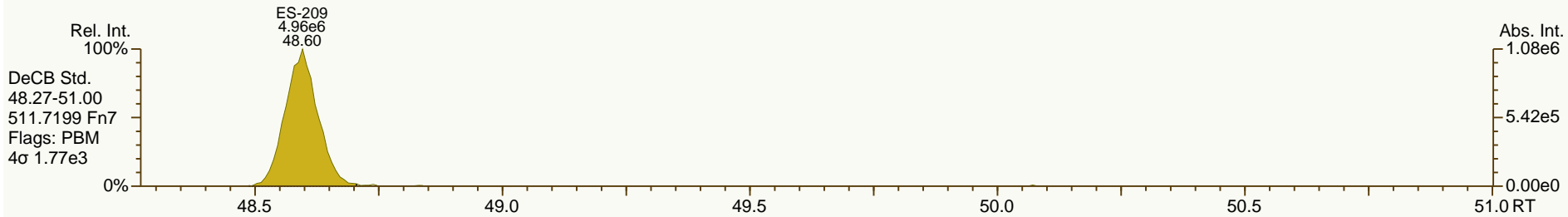
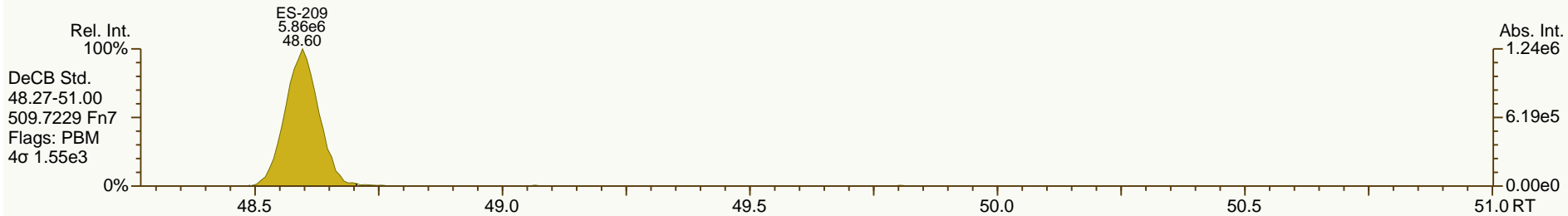
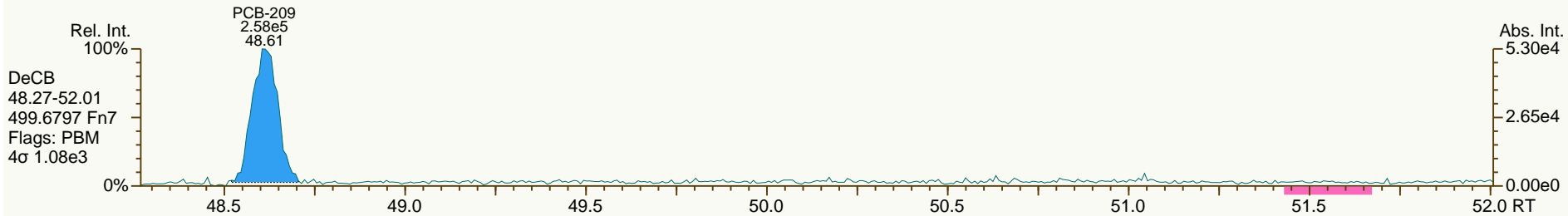
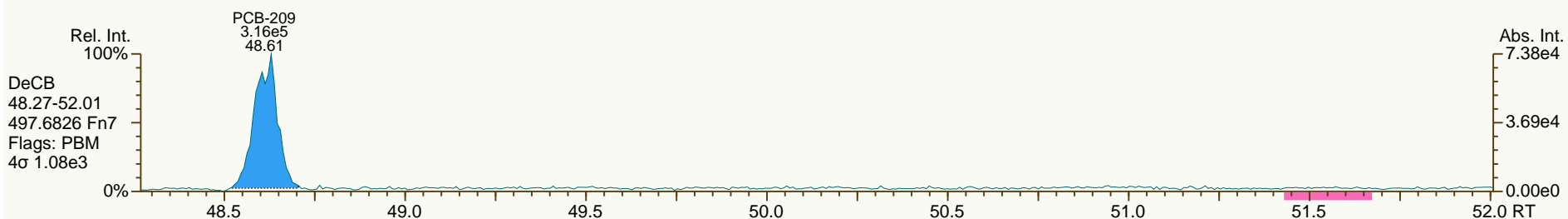
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SGS-AP ID: A5698_11123_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-208-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

Acq: 19-Jul-2013 17:21:24
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Lab ID: A5698_11123_PCB_003

ACQ: 19-Jul-2013 18:15:39 JLJ

Wt/Vol: 6.45 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-209-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.55 pg/g Split: 1

Checkcode: 901-317-TRZ

Datafile: 130719V13

RPT: 23-Jul-2013 16:21 LB

StdS (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	5.08E+06	0.80	1.25	38.1	1.34E+04	1.15
PCB-81 344'5'-TeCB	30.13	J EMPC	1.0005	1.0005	0	2.03E+05	0.59	1.26	1.45	1.34E+04	1.07
PCB-105 233'44'-PeCB	33.59		1.0006	1.0006	0	1.90E+07	0.62	1.06	225	5.94E+03	0.81
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0006	-0.2	1.12E+06	0.63	1.11	11.6	5.94E+03	0.701
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0008	0	5.19E+07	0.62	1.08	534	5.94E+03	0.714
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0007	+0.2	7.65E+05	0.66	1.12	7.9	5.94E+03	0.679
PCB-126 33'44'5'-PeCB	36.20	EMPC	1.0007	1.0002	-1.1	1.86E+05	0.51	1.16	1.84	4.81E+03	0.566
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	5.69E+06	1.26	1.14	71.1	5.87E+03	1.25
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	1.89E+06	1.25	1.18	20.6	5.87E+03	0.738
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	5.87E+03	1.24
PCB-189 233'44'55'-HpCB	43.63	B	1.0005	1.0005	0	3.07E+05	1.00	1.12	3.58	4.19E+03	0.576
PCB-209 DeCB	48.63		1.0004	1.0004	0	1.04E+06	1.13	1.11	20.1	3.16E+03	0.727
ES PCB-1	10.55		0.7199	0.7200	+0.1	2.90E+07	3.15	0.97	56.8 %	25%	150%
ES PCB-3	12.60		0.8600	0.8600	0	3.36E+07	3.21	0.90	70.8 %	25%	150%
ES PCB-4	12.83		0.8759	0.8759	0	3.19E+07	1.52	0.70	86.6 %	25%	150%
ES PCB-15	18.17		1.2401	1.2403	+0.2	5.18E+07	1.61	1.02	96.8 %	25%	150%
ES PCB-19	15.69		1.0705	1.0706	+0.1	2.68E+07	1.04	0.53	96.5 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.61E+07	1.10	1.29	91.2 %	25%	150%
ES PCB-54	18.45		0.8227	0.8224	-0.3	3.52E+07	0.77	1.43	80.8 %	25%	150%
ES PCB-77	30.59		1.3634	1.3640	+1.1	3.31E+07	0.82	1.20	90.1 %	25%	150%
ES PCB-81	30.11		1.3420	1.3425	+0.9	3.46E+07	0.81	1.16	97.4 %	25%	150%
ES PCB-104	23.26		0.8213	0.8211	-0.3	3.35E+07	1.55	1.70	78.6 %	25%	150%
ES PCB-105	33.57		1.1849	1.1852	+0.6	2.47E+07	1.58	1.10	90 %	25%	150%
ES PCB-114	33.02		1.1652	1.1656	+0.8	2.69E+07	1.58	1.16	93 %	25%	150%
ES PCB-118	32.56		1.1492	1.1495	+0.6	2.79E+07	1.54	1.15	96.5 %	25%	150%
ES PCB-123	32.28		1.1394	1.1396	+0.4	2.68E+07	1.53	1.14	93.9 %	25%	150%
ES PCB-126	36.19		1.2772	1.2777	+1.1	2.70E+07	1.57	1.34	80.7 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.92E+07	1.36	1.14	102 %	25%	150%
ES PCB-155	28.13		0.7994	0.7991	-0.5	3.99E+07	1.28	1.61	101 %	25%	150%
ES PCB-156/157	38.74		1.1004	1.1004	0	4.36E+07	1.27	0.98	91.6 %	25%	150%
ES PCB-167	37.76		1.0723	1.0724	+0.2	2.41E+07	1.26	1.01	97.9 %	25%	150%
ES PCB-169	41.48		1.1781	1.1783	+0.5	1.69E+07	1.23	0.90	77.2 %	25%	150%
ES PCB-170	40.98		0.9031	0.9029	-0.5	1.89E+07	1.03	1.28	113 %	25%	150%
ES PCB-180	39.90		0.8794	0.8792	-0.5	2.31E+07	1.06	1.54	117 %	25%	150%
ES PCB-188	33.00		0.7275	0.7271	-0.8	3.85E+07	1.08	1.63	97.4 %	25%	150%
ES PCB-189	43.61		0.9610	0.9608	-0.5	2.38E+07	1.02	1.97	92.5 %	25%	150%
ES PCB-202	37.55		0.8277	0.8274	-0.7	3.14E+07	0.90	1.26	102 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.52E+07	0.89	1.22	95.3 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0412	0	1.46E+07	0.81	1.10	102 %	25%	150%
ES PCB-208	43.20		0.9520	0.9518	-0.5	2.14E+07	0.77	1.41	116 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.45E+07	1.17	1.24	89.2 %	25%	150%
SS PCB-28	20.84		0.9292	0.9290	-0.3	4.35E+07	1.10	1.18	102 %	30%	135%
SS PCB-111	30.61		1.0804	1.0806	+0.4	2.98E+07	1.55	1.01	110 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.43E+07	1.05	0.60	105 %	30%	135%
CS PCB-28	20.84		0.9292	0.9290	-0.3	4.35E+07	1.10	1.52	93.3 %	30%	135%
CS PCB-111	30.61		1.0804	1.0806	+0.4	2.98E+07	1.55	1.15	104 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.43E+07	1.05	0.98	102 %	30%	135%
JS PCB-9	14.65					5.27E+07	1.59				
JS PCB-52	22.43					3.06E+07	0.80				
JS PCB-101	28.33					2.50E+07	1.53				
JS PCB-138	35.21					2.44E+07	1.28				
JS PCB-194	45.39					1.31E+07	0.93				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						132	132	0.29			
Di-CBs						369	369	0.645			
Tri-CBs						1,250	1,250	0.547			
Tetra-CBs						2,510	2,510	0.665			
Penta-CBs						3,500	3,510	0.609			
Hexa-CBs						2,280	2,280	0.852			
Hepta-CBs						716	721	0.553			
Octa-CBs						188	190	0.581			
Nona-CBs						42	42	0.922			
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	6.20E+06	3.00	1.25	53.1	5.16E+03	0.29
PCB-2 3-MoCB	12.45		0.9877	0.9877	0	4.47E+06	3.02	1.26	32.8	5.16E+03	0.292
PCB-3 4-MoCB	12.61		1.0010	1.0010	0	6.33E+06	2.99	1.27	46.2	5.16E+03	0.29
PCB-4 22'-DiCB	12.85		1.0011	1.0011	0	2.00E+06	1.58	0.90	21.7	5.97E+03	0.503
PCB-10 26-DiCB	13.01		1.0136	1.0136	0	2.60E+05	SI	1.40	1.8	5.97E+03	0.323
PCB-9 25-DiCB	14.67		1.0010	1.0010	0	9.97E+05	1.50	1.00	5.96	1.54E+04	0.862
PCB-7 24-DiCB	14.82		1.0113	1.0113	0	7.34E+05	1.75	1.12	3.91	1.54E+04	0.768
PCB-6 23'-DiCB	15.04		1.0261	1.0262	+0.1	3.22E+06	1.48	1.03	18.7	1.54E+04	0.838
PCB-5 23-DiCB	15.32		1.0452	1.0453	+0.1	3.37E+05	SI	1.05	1.93	1.54E+04	0.825
PCB-8 24'-DiCB	15.43		1.0529	1.0529	0	1.63E+07	1.53	1.06	92.3	1.54E+04	0.818
PCB-14 35-DiCB	16.89	J	0.9293	0.9293	0	2.11E+05	SI	1.22	1.04	1.54E+04	0.708
PCB-11 33'-DiCB	17.64	B	0.9704	0.9705	+0.1	2.19E+07	1.55	0.98	134	1.54E+04	0.885
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	2.43E+06	1.49	0.98	14.8	1.54E+04	0.88
PCB-15 44'-DiCB	18.19		1.0008	1.0009	+0.1	1.32E+07	1.55	1.10	72.3	1.54E+04	0.787

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.70		1.0011	1.0011	0	5.78E+05	0.96	0.95	7.08	5.62E+03	0.6
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1075	+1.1	1.18E+07	1.01	1.22	112	5.62E+03	0.464
PCB-17 22'4-TrCB	17.74		1.1310	1.1311	+0.1	5.16E+06	1.07	1.05	56.7	5.62E+03	0.539
PCB-27 23'6-TrCB	17.93		1.1431	1.1433	+0.2	1.15E+06	1.09	1.39	9.65	5.62E+03	0.41
PCB-24 236-TrCB	18.05	J	1.1507	1.1507	0	1.80E+05	0.95	1.36	1.53	5.62E+03	0.417
PCB-16 22'3-TrCB	18.15		1.1570	1.1572	+0.2	3.53E+06	1.02	0.82	49.9	5.62E+03	0.692
PCB-32 24'6-TrCB	18.61		1.1861	1.1863	+0.2	5.63E+06	1.03	1.47	44.2	5.62E+03	0.385
PCB-34 23'5'-TrCB	19.72		0.8111	0.8107	-0.5	3.00E+05	1.01	1.53	1.68	7.68E+03	0.449
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	7.68E+03	0.434
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8272	-1.2	7.28E+06	1.06	1.56	40.2	7.68E+03	0.442
PCB-25 23'4-TrCB	20.32		0.8362	0.8358	-0.5	3.93E+06	1.04	1.59	21.3	7.68E+03	0.432
PCB-31 24'5-TrCB	20.60		0.8473	0.8470	-0.4	4.55E+07	1.03	1.62	241	7.68E+03	0.424
PCB-28/20 244' /233' -TrCB	20.86	C	0.8586	0.8577	-1.1	5.78E+07	1.02	1.51	329	7.68E+03	0.454
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8663	+0.9	2.27E+07	1.03	1.58	124	7.68E+03	0.436
PCB-22 234'-TrCB	21.41		0.8808	0.8805	-0.4	1.61E+07	1.04	1.45	95.8	7.68E+03	0.476
PCB-36 33'5-TrCB	22.76	EMPC	0.9359	0.9358	-0.1	3.93E+05	1.23	1.55	2.18	7.68E+03	0.444
PCB-39 34'5-TrCB	23.10		0.9491	0.9500	+1.2	3.96E+05	1.10	1.53	2.22	7.68E+03	0.448
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	7.68E+03	0.472
PCB-35 33'4-TrCB	23.98		0.9862	0.9862	0	1.38E+06	1.07	1.31	9.05	7.68E+03	0.524
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	1.66E+07	1.03	1.39	103	7.68E+03	0.495
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.97E+03	0.308
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9077	-1.1	2.15E+06	0.78	0.90	21.5	3.49E+03	0.39
PCB-45 22'36-TeCB	20.95		0.9340	0.9339	-0.1	1.83E+06	0.76	0.84	19.6	3.49E+03	0.418
PCB-51 22'46'-TeCB	21.02		0.9371	0.9370	-0.1	6.67E+05	0.79	0.86	6.98	3.49E+03	0.409
PCB-46 22'36'-TeCB	21.22		0.9464	0.9462	-0.3	6.95E+05	0.78	0.73	8.51	3.49E+03	0.478
PCB-52 22'55'-TeCB	22.45		1.0010	1.0009	-0.1	3.26E+07	0.77	0.85	344	3.49E+03	0.412
PCB-73 23'5'6-TeCB	22.56		1.0064	1.0058	-0.8	2.59E+05	0.79	1.15	2.02	3.49E+03	0.305
PCB-43 22'35-TeCB	22.66		1.0103	1.0103	0	6.60E+05	0.82	0.74	8.02	3.49E+03	0.474
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	1.92E+07	0.77	1.03	167	3.49E+03	0.339
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	4.17E+06	0.79	0.85	43.8	3.49E+03	0.41
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0399	-0.7	2.61E+07	0.78	0.91	258	3.49E+03	0.386
PCB-59/62/75 ...-TeCB	23.60	C	1.0523	1.0524	+0.1	2.69E+06	0.76	1.15	21	3.49E+03	0.304
PCB-42 22'34'-TeCB	23.77		1.0599	1.0599	0	5.90E+06	0.76	0.82	64.9	3.49E+03	0.429
PCB-41 22'34-TeCB	24.10		1.0743	1.0743	0	1.37E+06	0.82	0.70	17.4	3.49E+03	0.498
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0789	+0.1	9.92E+06	0.78	0.88	101	3.49E+03	0.399
PCB-64 234'6-TeCB	24.39		1.0874	1.0874	0	1.40E+07	0.77	1.24	101	3.49E+03	0.282
PCB-72 23'55'-TeCB	25.11		0.8338	0.8338	0	7.34E+05	0.84	1.37	4.8	1.34E+04	0.976
PCB-68 23'45'-TeCB	25.35		0.8421	0.8420	-0.2	4.65E+05	0.78	1.44	2.9	1.34E+04	0.934
PCB-57 233'5-TeCB	25.72	J	0.8542	0.8541	-0.2	1.93E+05	0.77	1.30	1.34	1.34E+04	1.04
PCB-58 233'5'-TeCB	25.92	J	0.8609	0.8609	0	2.00E+05	0.87	1.29	1.39	1.34E+04	1.04
PCB-67 23'45-TeCB	26.07		0.8659	0.8658	-0.2	1.77E+06	0.83	1.38	11.5	1.34E+04	0.971
PCB-63 234'5-TeCB	26.30		0.8733	0.8733	0	2.09E+06	0.77	1.43	13.2	1.34E+04	0.941
PCB-61/70/74/76 ...-TeCB	26.60	C	0.8835	0.8833	-0.3	9.28E+07	0.78	1.34	624	1.34E+04	1
PCB-66 23'44'-TeCB	26.86		0.8921	0.8921	0	5.27E+07	0.77	1.22	387	1.34E+04	1.1
PCB-55 233'4-TeCB	27.01		0.8970	0.8969	-0.2	1.02E+06	0.80	1.27	7.21	1.34E+04	1.06

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.44		0.9116	0.9113	-0.5	2.14E+07	0.79	1.23	156	1.34E+04	1.09
PCB-60 2344'-TeCB	27.63		0.9176	0.9175	-0.2	9.50E+06	0.78	1.24	68.6	1.34E+04	1.08
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.34E+04	0.911
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	1.15E+06	0.76	1.37	7.54	1.34E+04	0.981
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.34E+04	1.17
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.38E+03	0.184
PCB-96 22'366'-PeCB	23.60	EMPC	1.0149	1.0149	0	1.89E+05	0.74	1.00	1.76	2.38E+03	0.206
PCB-103 22'45'6'-PeCB	25.26		0.8920	0.8918	-0.3	3.41E+05	0.58	0.92	4.3	5.94E+03	0.829
PCB-94 22'356'-PeCB	25.46		0.8988	0.8987	-0.2	1.28E+05	0.69	0.80	1.86	5.94E+03	0.949
PCB-95 22'35'6'-PeCB	25.84		0.9122	0.9122	0	2.34E+07	0.62	0.85	319	5.94E+03	0.895
PCB-100/93 22'44'6'/22'356'-PeCB	26.02	C	0.9190	0.9187	-0.5	3.16E+05	0.65	0.87	4.18	5.94E+03	0.87
PCB-102 22'456'-PeCB	26.15		0.9234	0.9233	-0.2	9.43E+05	0.67	0.86	12.6	5.94E+03	0.88
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.94E+03	0.87
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.94E+03	1.04
PCB-91 22'34'6'-PeCB	26.58		0.9382	0.9384	+0.3	4.47E+06	0.62	1.01	51.2	5.94E+03	0.754
PCB-84 22'33'6'-PeCB	26.78		0.9453	0.9452	-0.2	6.96E+06	0.62	0.74	109	5.94E+03	1.02
PCB-89 22'346'-PeCB	27.18		0.9597	0.9596	-0.2	2.97E+05	0.56	0.78	4.39	5.94E+03	0.97
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.94E+03	0.652
PCB-92 22'355'-PeCB	27.85		0.9830	0.9831	+0.2	7.29E+06	0.64	0.83	102	5.94E+03	0.921
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	4.39E+07	0.62	0.96	529	5.94E+03	0.792
PCB-83 22'33'5'-PeCB	NotFnd		1.0151	-		0.00E+00		0.69	ND	5.94E+03	1.1
PCB-99 22'44'5'-PeCB	28.84		1.0182	1.0181	-0.2	2.40E+07	0.62	0.87	319	5.94E+03	0.875
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	5.94E+03	0.679
PCB-108/119/86/97/125...-PeCB	29.32	C	1.0331	1.0352	+3.7	2.85E+07	0.63	0.95	347	5.94E+03	0.801
PCB-117 234'56'-PeCB	29.81		1.0524	1.0524	0	1.23E+06	0.63	0.98	14.5	5.94E+03	0.777
PCB-116/85 23456/22'344'-PeCB	29.90	C	1.0553	1.0554	+0.2	6.90E+06	0.63	0.98	81	5.94E+03	0.772
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0604	+0.7	5.65E+07	0.63	0.95	686	5.94E+03	0.797
PCB-115 2344'6'-PeCB	NotFnd		1.0628	-		0.00E+00		1.24	ND	5.94E+03	0.614
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0700	-0.2	3.87E+06	0.62	0.72	62.1	5.94E+03	1.05
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.94E+03	0.657
PCB-120 23'455'-PeCB	31.02		1.0950	1.0951	+0.2	3.24E+05	0.60	1.13	3.3	5.94E+03	0.67
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	1.83E+06	0.62	1.01	20.9	5.94E+03	0.75
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	3.95E+06	0.61	1.09	41.9	5.94E+03	0.697
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.94E+03	0.759
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0094	-0.8	7.02E+05	0.67	0.94	8.66	5.94E+03	0.834
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	5.94E+03	0.833
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.53E+03	0.187
PCB-152 22'3566'-HxCB	28.33	J EMPC	1.0070	1.0068	-0.3	3.85E+04	0.71	1.00	0.299	2.53E+03	0.204
PCB-150 22'34'66'-HxCB	28.47	J	1.0119	1.0118	-0.2	1.02E+05	1.13	1.02	0.78	2.53E+03	0.201
PCB-136 22'33'66'-HxCB	28.78		1.0230	1.0230	0	5.74E+06	1.26	0.91	49	2.53E+03	0.224
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.53E+03	0.218
PCB-148 22'34'56'-HxCB	30.32	J	1.0772	1.0776	+0.7	1.08E+05	1.17	1.01	1.13	2.53E+03	0.292
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0958	-0.2	1.25E+07	1.23	0.97	136	2.53E+03	0.304
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1030	+0.4	8.77E+05	1.28	1.10	8.45	2.53E+03	0.269
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1125	+0.2	1.70E+06	1.33	1.00	18	2.53E+03	0.295

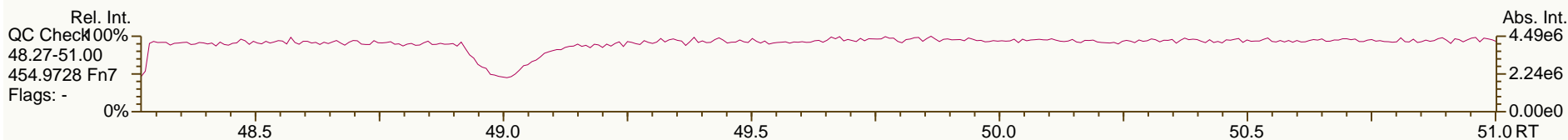
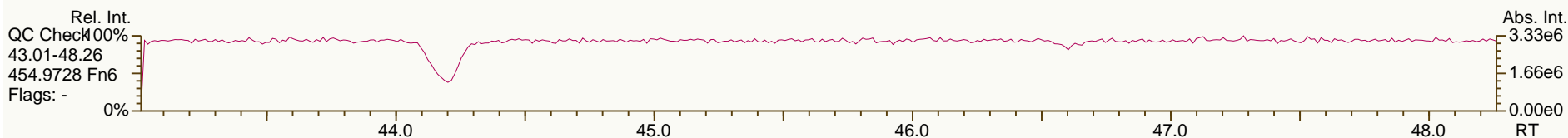
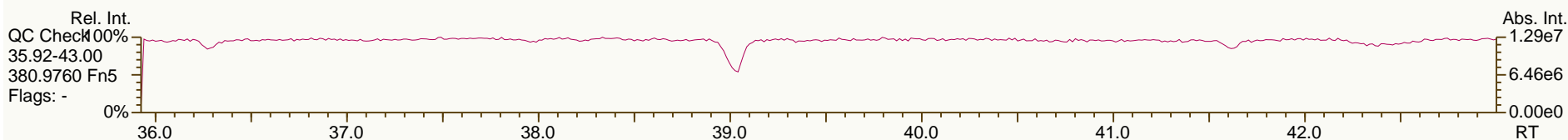
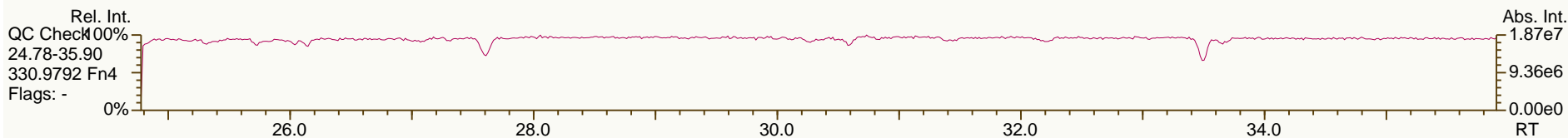
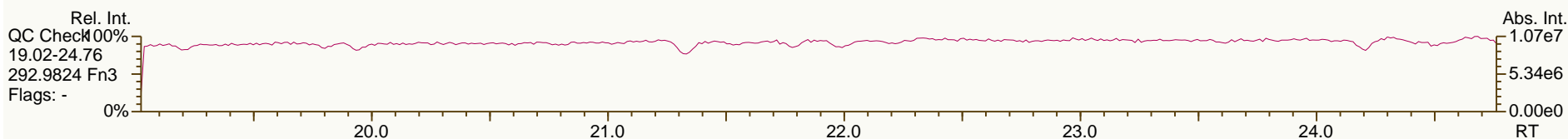
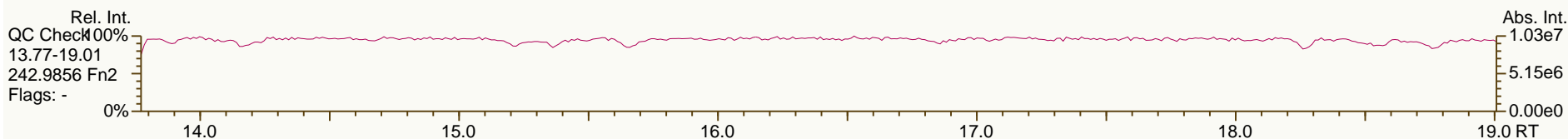
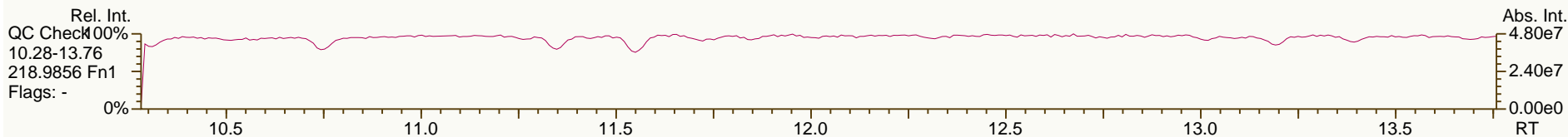
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1233	+0.4	3.30E+07	1.25	0.99	353	2.53E+03	0.298
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1295	+0.4	2.09E+06	1.25	0.82	27.1	2.53E+03	0.362
PCB-143 22'34'56"-HxCB	31.86		1.1322	1.1325	+0.6	1.50E+05	1.23	0.97	1.63	2.53E+03	0.304
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1413	+0.2	1.02E+06	1.21	1.01	10.7	2.53E+03	0.293
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1477	+0.4	5.28E+05	1.18	0.88	6.35	2.53E+03	0.336
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.53E+03	0.329
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1616	+0.6	1.31E+07	1.25	0.91	153	2.53E+03	0.326
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1761	+0.8	8.64E+05	1.24	0.93	9.91	2.53E+03	0.32
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.53E+03	0.268
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	8.00E+06	1.23	0.96	88.8	2.53E+03	0.31
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.53E+03	0.233
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	4.75E+07	1.23	1.24	407	2.53E+03	0.239
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9751	0	7.22E+06	1.23	0.95	80.3	2.53E+03	0.31
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	3.05E+06	1.23	0.83	39.2	2.53E+03	0.359
PCB-137 22'34'4'5"-HxCB	34.87		0.9904	0.9905	+0.2	2.49E+06	1.24	1.02	25.9	2.53E+03	0.29
PCB-164 233'4'5'6"-HxCB	34.97		0.9931	0.9932	+0.2	3.71E+06	1.24	1.18	33.3	2.53E+03	0.251
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	5.30E+07	1.25	0.96	586	2.53E+03	0.309
PCB-160 233'456"-HxCB	35.39		1.0045	1.0052	+1.5	7.21E+05	1.29	1.24	6.16	2.53E+03	0.238
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0099	-0.4	6.47E+06	1.20	1.29	53.1	2.53E+03	0.229
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9620	+1.1	6.72E+06	1.27	0.97	89.5	5.87E+03	0.899
PCB-159 233'455"-HxCB	37.10		0.9832	0.9827	-1.1	3.66E+05	1.15	1.11	4.26	5.87E+03	0.786
PCB-162 233'4'55"-HxCB	37.37	EMPC	0.9896	0.9897	+0.2	1.55E+05	0.97	1.08	1.84	5.87E+03	0.802
PCB-188 22'34'566"-HpCB	33.02	J EMPC	1.0007	1.0005	-0.4	3.55E+04	0.64	0.98	0.29	2.75E+03	0.236
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	4.12E+06	1.04	0.92	36	2.75E+03	0.252
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.75E+03	0.253
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0323	+0.2	1.15E+06	1.02	1.01	9.08	2.75E+03	0.228
PCB-186 22'34'566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.75E+03	0.24
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0789	+0.4	1.75E+06	1.06	0.72	19.7	2.75E+03	0.324
PCB-175 22'33'45'6"-HpCB	36.14	EMPC	1.0951	1.0952	+0.2	2.32E+05	0.84	1.01	3.08	4.43E+03	0.655
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1023	+0.7	9.67E+06	1.06	1.09	119	4.43E+03	0.609
PCB-182 22'34'4'56"-HpCB	36.54	J EMPC	1.1073	1.1072	-0.2	6.20E+04	1.22	1.11	0.751	4.43E+03	0.598
PCB-183 22'34'4'5'6"-HpCB	36.89		1.1177	1.1180	+0.7	4.10E+06	1.05	1.05	52.3	4.43E+03	0.63
PCB-185 22'34'55'6"-HpCB	36.99		1.1202	1.1209	+1.6	4.42E+05	1.03	1.05	5.66	4.43E+03	0.633
PCB-174 22'33'456"-HpCB	37.10		1.1240	1.1242	+0.4	5.49E+06	1.08	0.93	79.1	4.43E+03	0.71
PCB-177 22'33'45'6"-HpCB	37.47		1.1354	1.1355	+0.2	3.93E+06	1.01	0.92	57.5	4.43E+03	0.722
PCB-181 22'34'4'56"-HpCB	37.80	J EMPC	1.1454	1.1453	-0.2	6.88E+04	0.73	1.03	0.9	4.43E+03	0.646
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1517	+1.1	1.81E+06	1.07	0.91	26.7	4.43E+03	0.729
PCB-172 22'33'455"-HpCB	39.37		0.9027	0.9027	0	1.04E+06	1.00	0.89	15.7	4.43E+03	0.747
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.43E+03	0.588
PCB-180/193 ...-HpCB	39.92	B C	0.9147	0.9154	+1.7	1.45E+07	1.01	1.07	183	4.43E+03	0.621
PCB-191 233'44'5'6"-HpCB	40.22		0.9222	0.9223	+0.2	4.06E+05	1.08	1.16	4.7	4.43E+03	0.571
PCB-170 22'33'44'5"-HpCB	41.00	B	0.9401	0.9401	0	5.32E+06	1.06	0.99	87.7	4.43E+03	0.86
PCB-190 233'44'56"-HpCB	41.44	B	0.9503	0.9502	-0.2	1.28E+06	1.09	1.27	16.5	4.43E+03	0.674
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	1.13E+06	0.90	0.86	13	3.18E+03	0.41
PCB-201 22'33'45'66"-OoCB	38.35		1.0214	1.0214	0	6.21E+05	0.97	0.95	6.46	3.18E+03	0.373

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.18E+03	0.397
PCB-197 22'33'44'66'-OcCB	39.12	EMPC	1.0417	1.0418	+0.2	1.66E+05	1.06	0.93	1.76	3.18E+03	0.382
PCB-200 22'33'4566'-OcCB	39.22	B	1.0444	1.0445	+0.2	4.57E+05	0.83	0.92	4.91	3.18E+03	0.386
PCB-198/199 ...-OcCB	41.58	B C	1.1066	1.1073	+1.7	3.14E+06	0.88	0.64	48.3	3.18E+03	0.552
PCB-196 22'33'44'56'-OcCB	42.14	B	1.1220	1.1221	+0.3	1.36E+06	0.91	0.66	20.5	3.18E+03	0.539
PCB-203 22'344'55'6-OcCB	42.30	B	1.1263	1.1265	+0.5	1.97E+06	0.86	0.68	28.6	3.18E+03	0.52
PCB-195 22'33'44'56-OcCB	43.43	B	0.9489	0.9487	-0.5	7.17E+05	0.83	0.89	16.4	3.49E+03	0.959
PCB-194 22'33'44'55'-OcCB	45.41	B	0.9918	0.9917	-0.3	2.13E+06	0.93	0.92	47.1	3.49E+03	0.927
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0004	0	1.58E+05	0.82	1.13	2.83	3.49E+03	0.752
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	6.28E+05	0.79	1.03	8.81	4.31E+03	0.713
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0188	+0.3	2.29E+05	0.76	1.00	3.34	4.31E+03	0.74
PCB-206 22'33'44'55'6-NoCB	47.28		1.0004	1.0004	0	1.37E+06	0.77	0.97	29.9	4.31E+03	1.13

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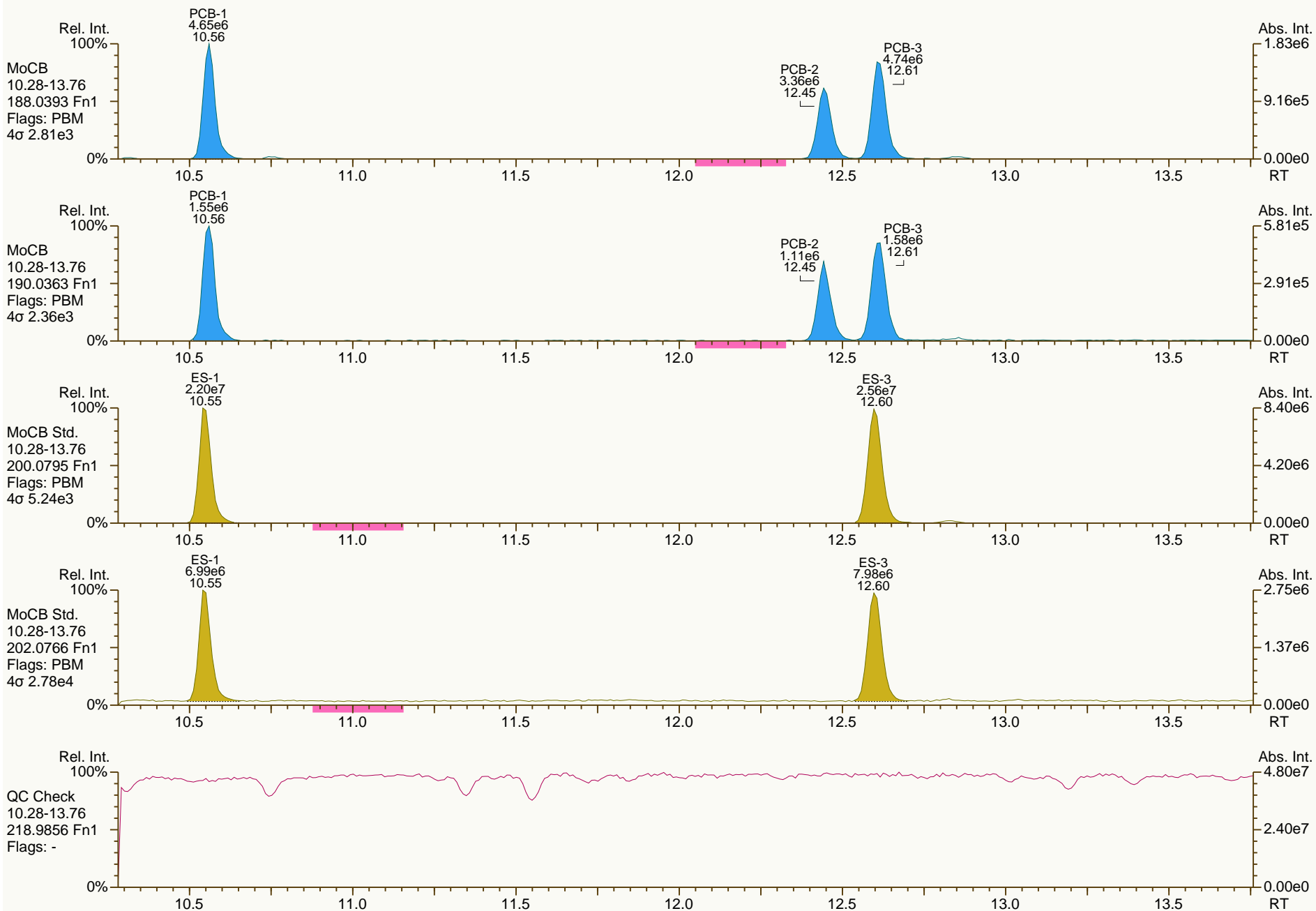
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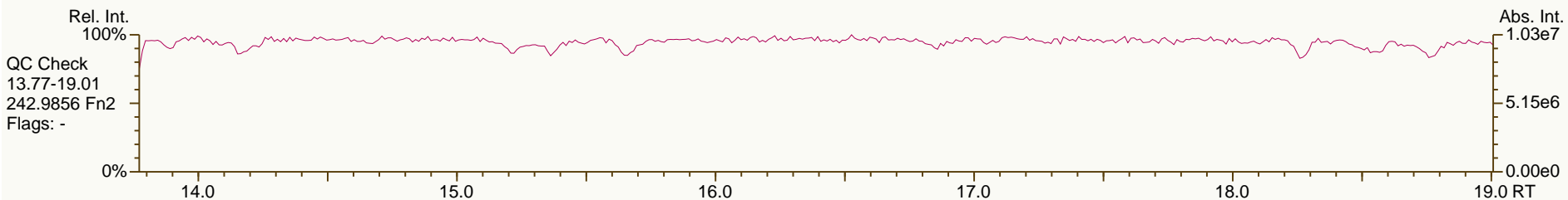
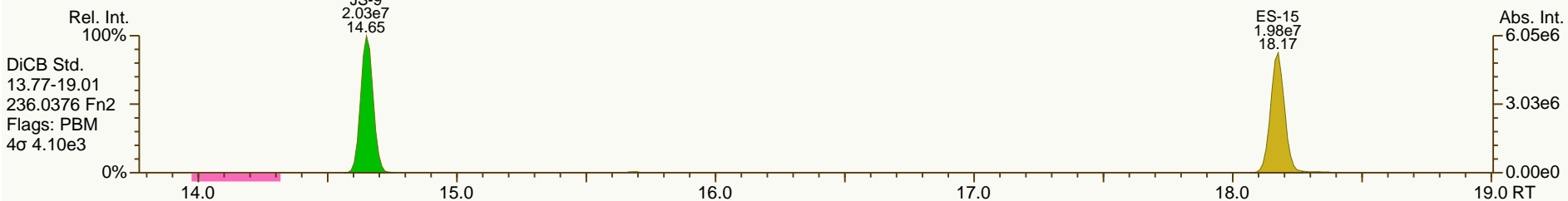
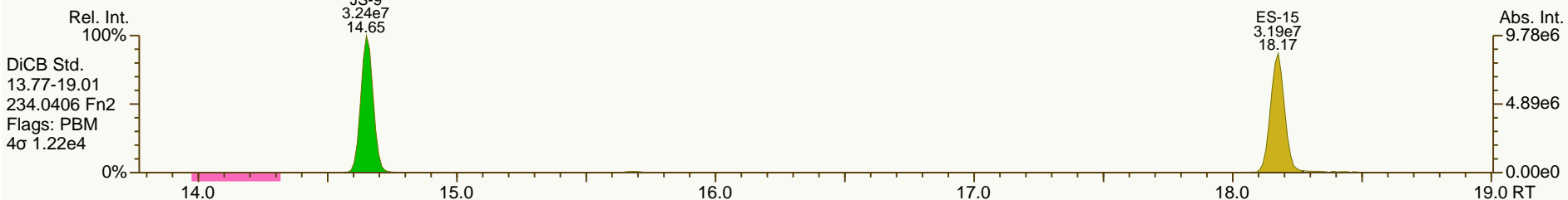
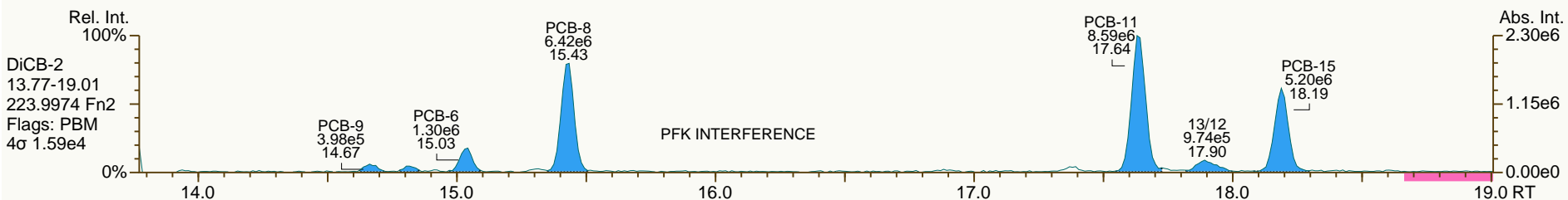
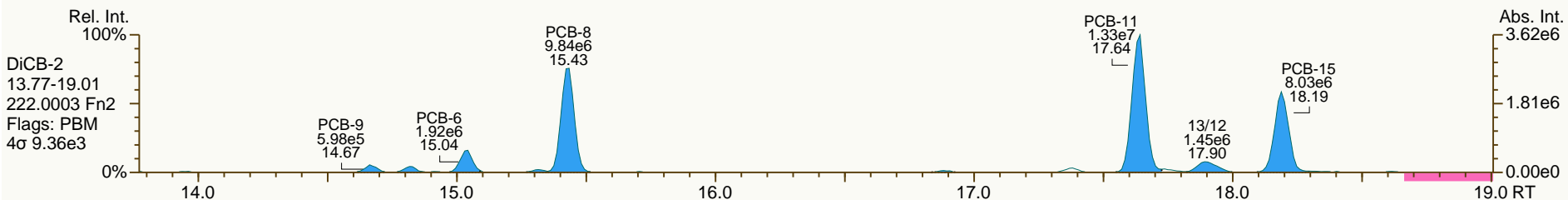
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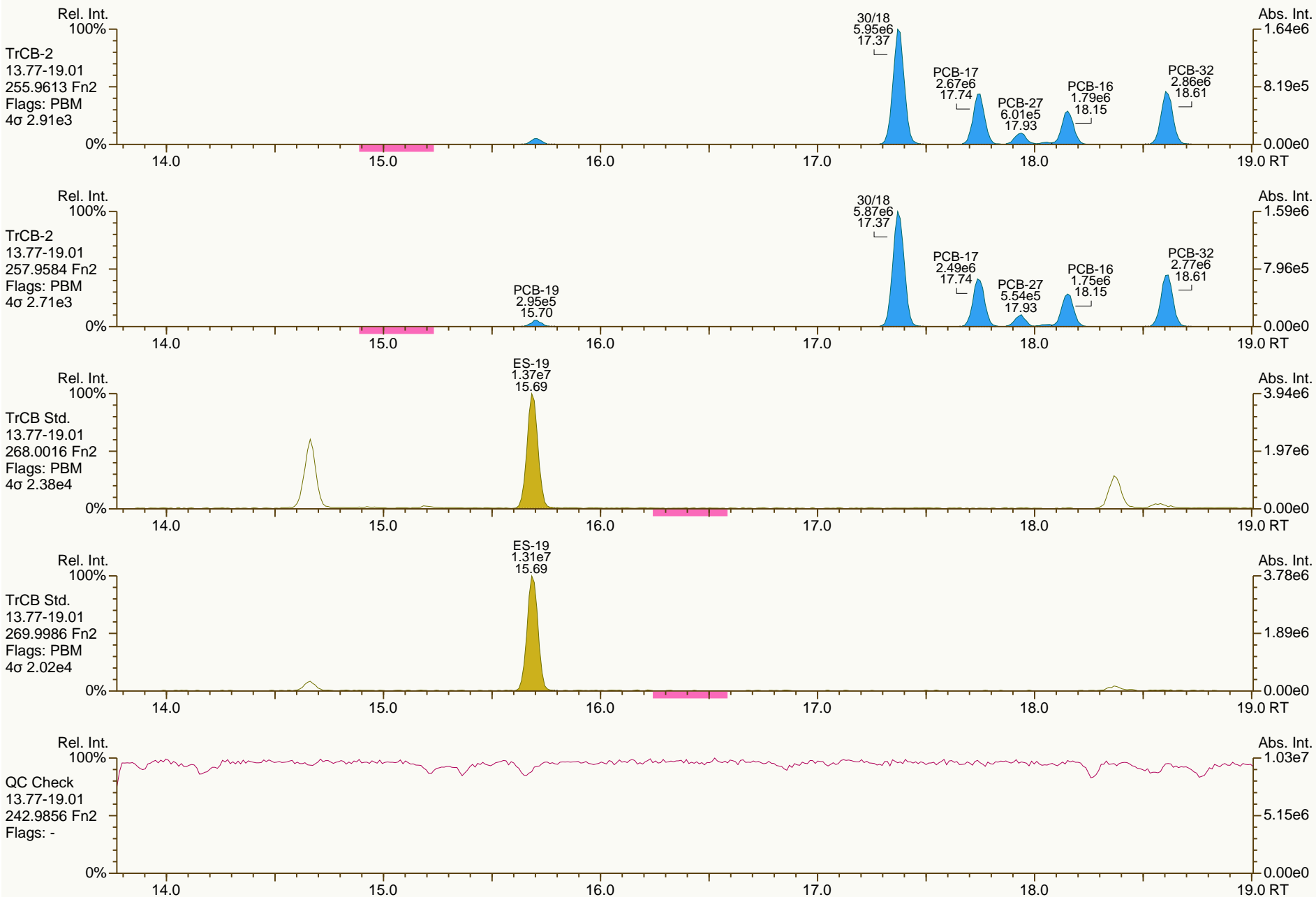
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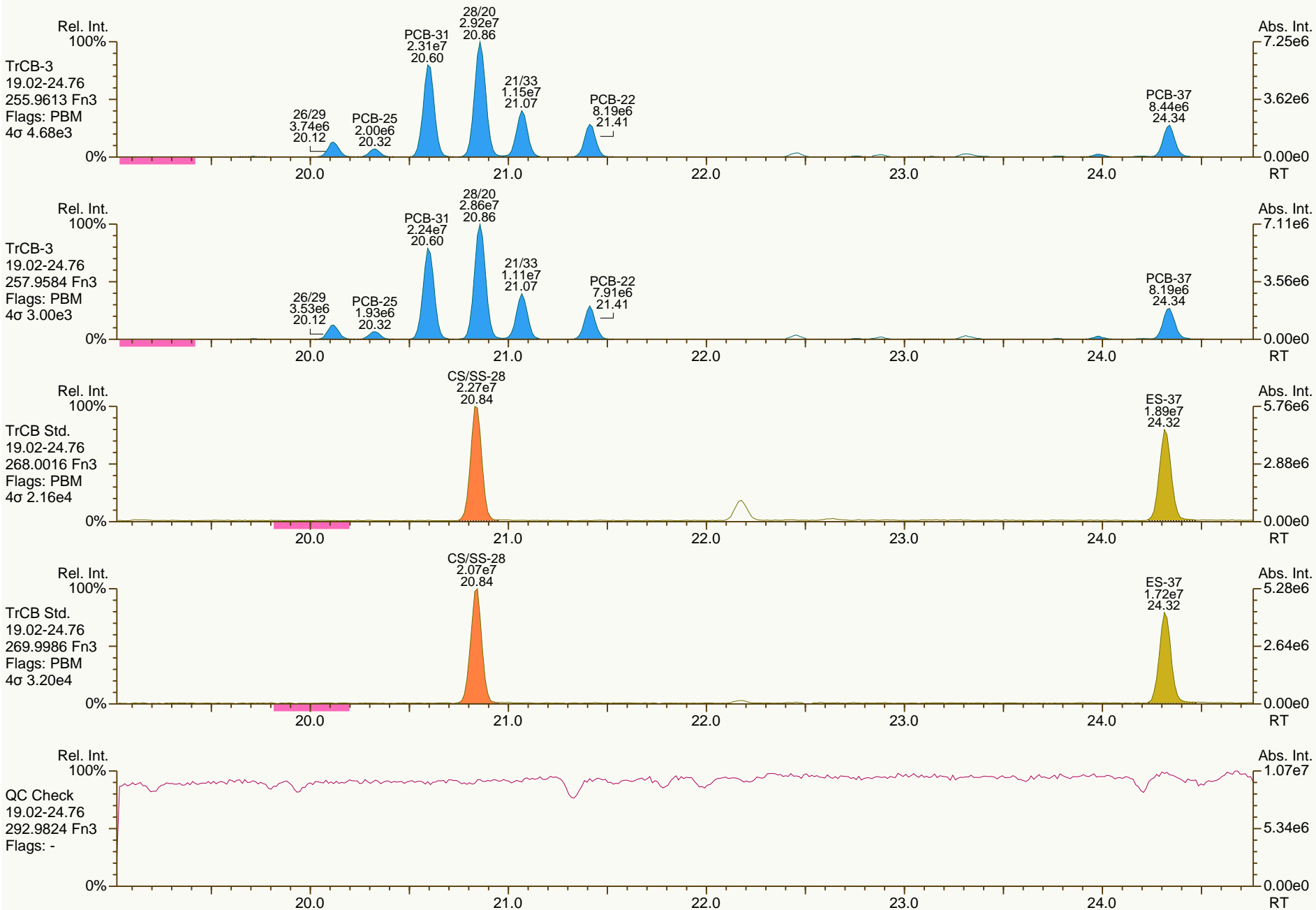
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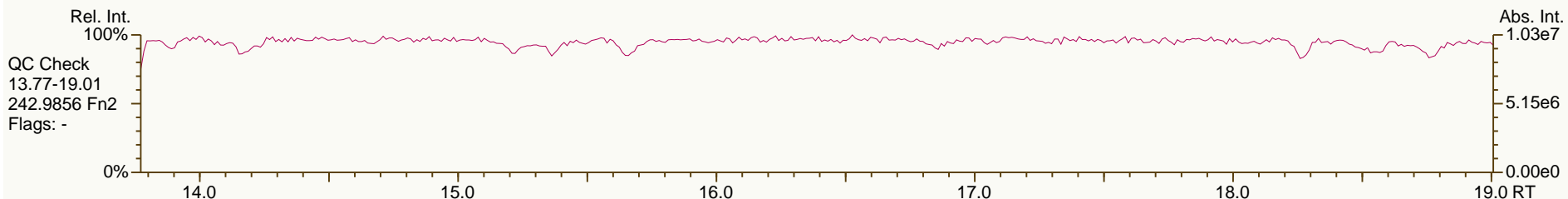
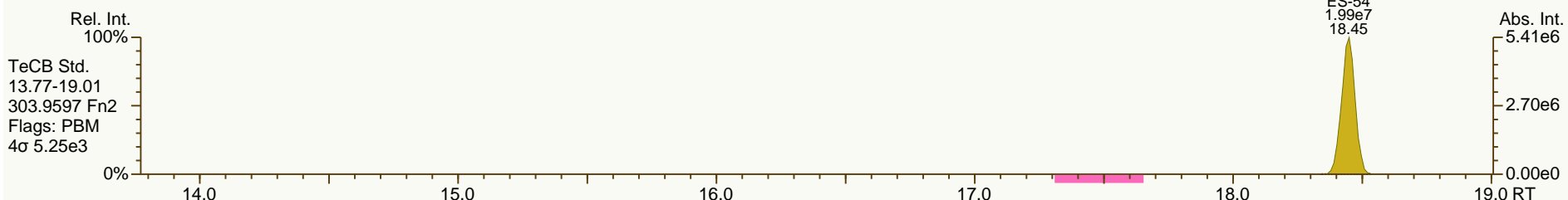
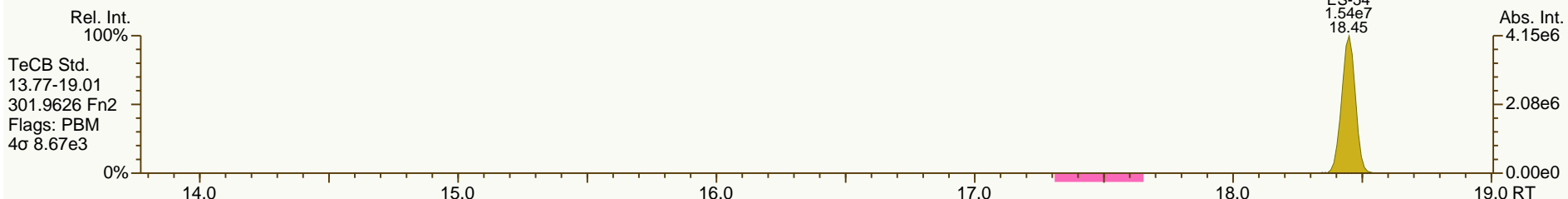
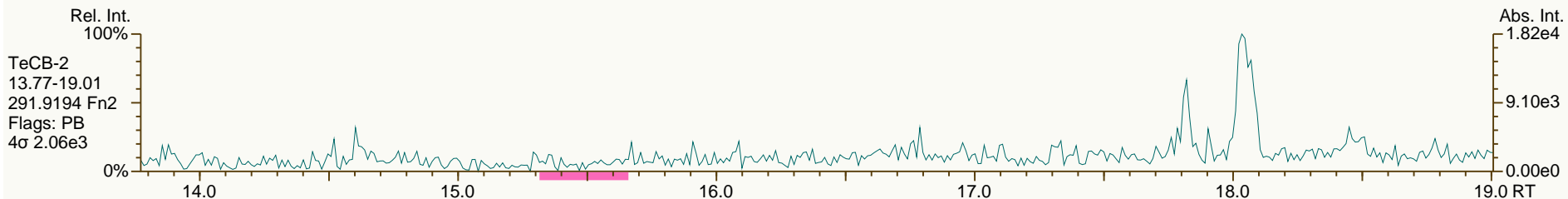
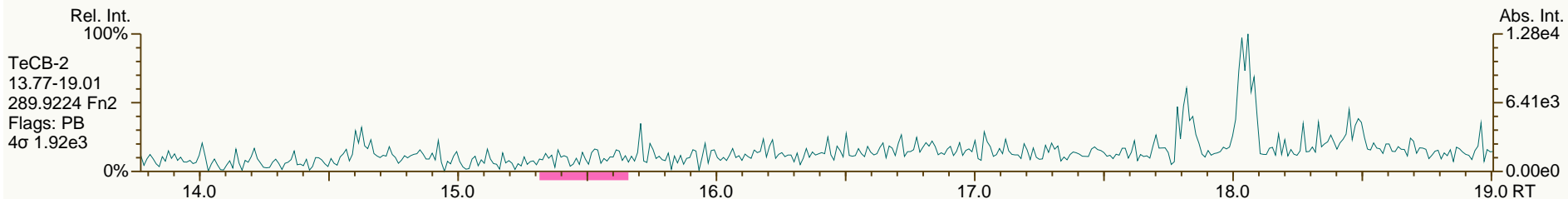
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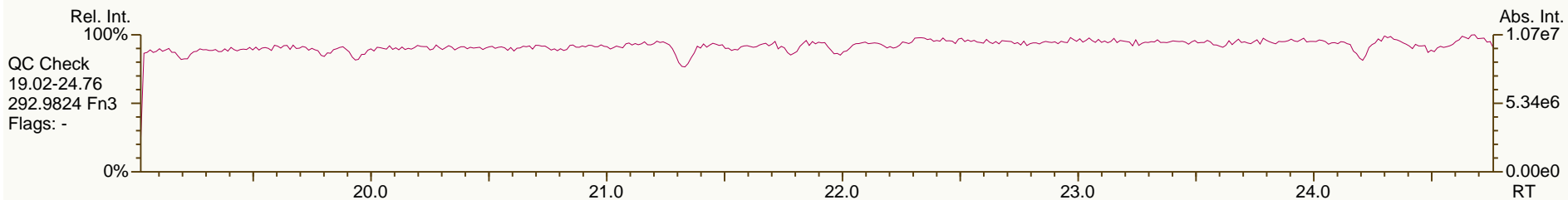
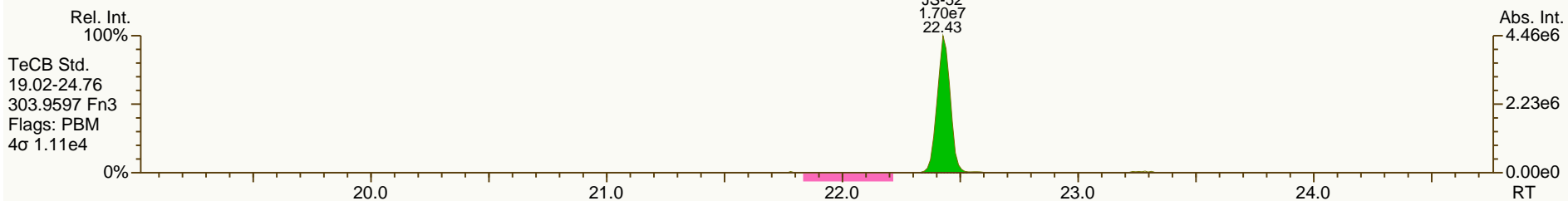
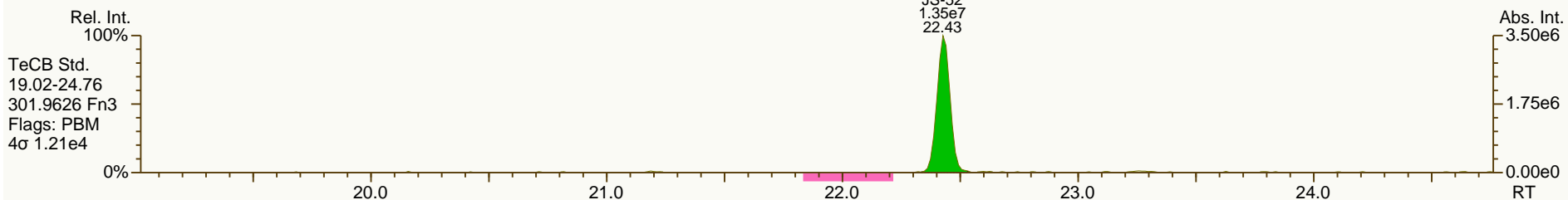
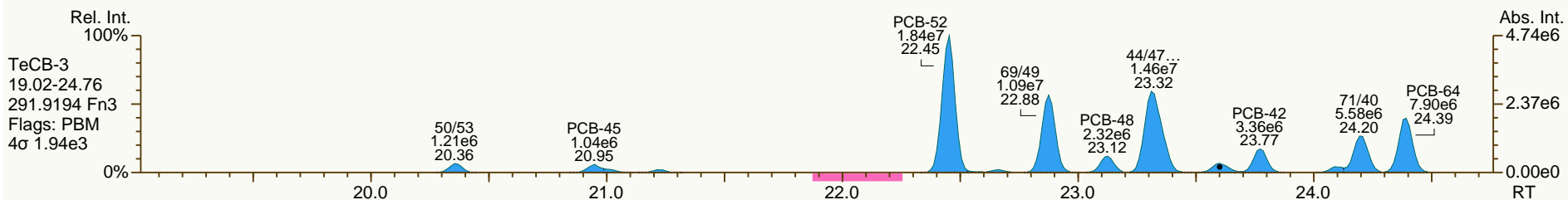
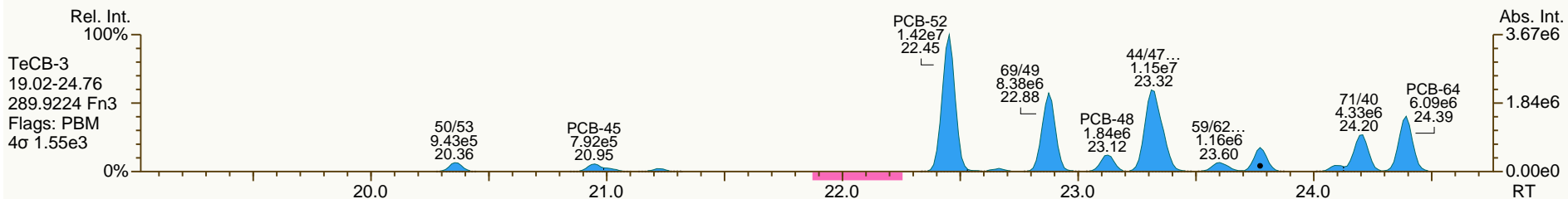
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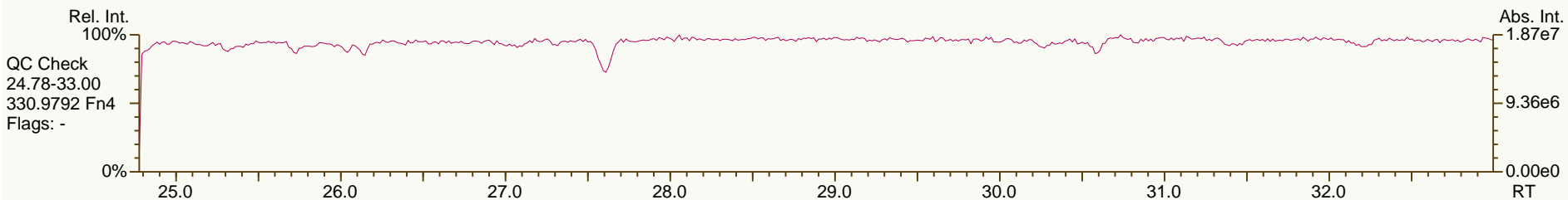
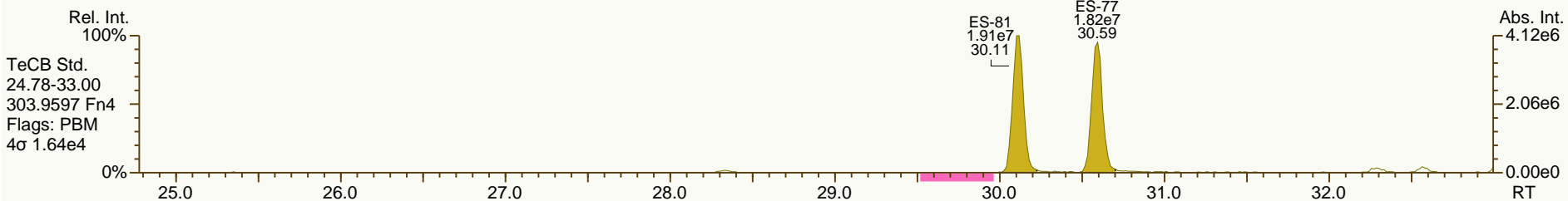
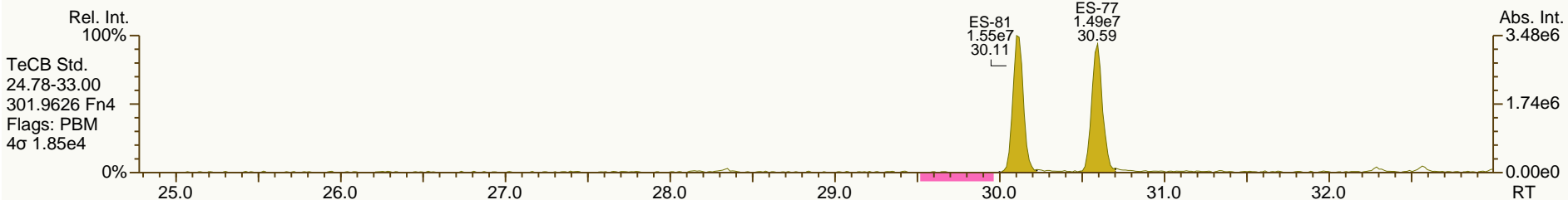
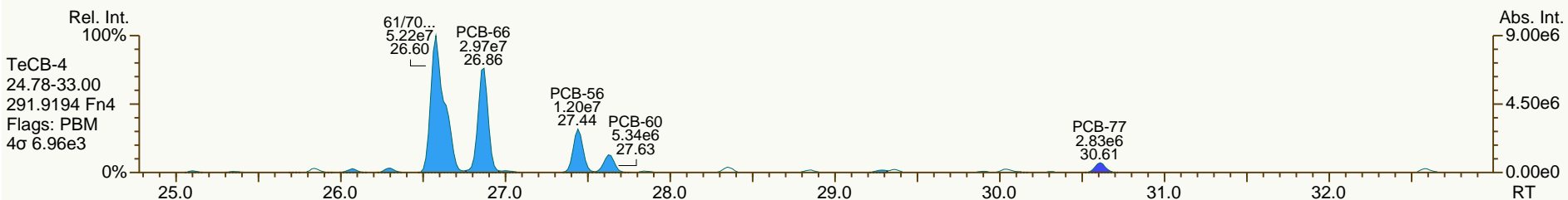
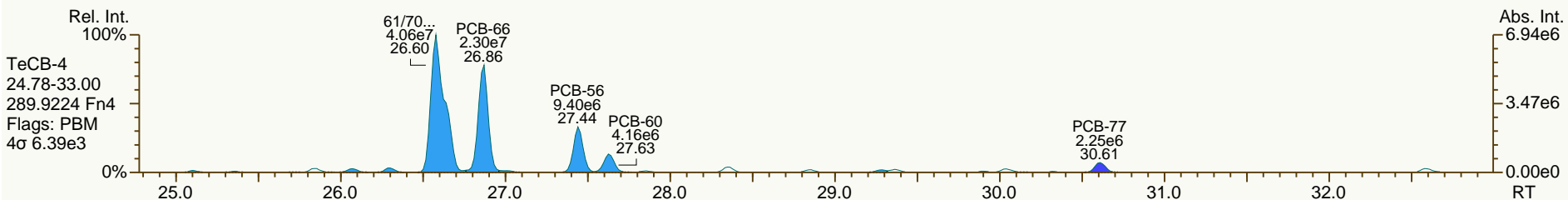
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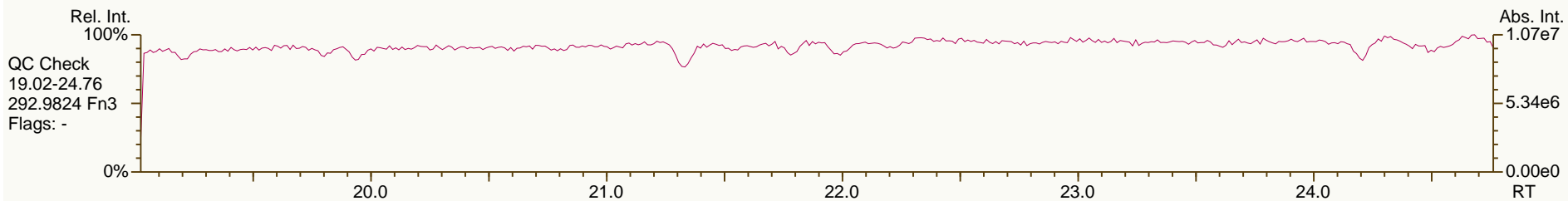
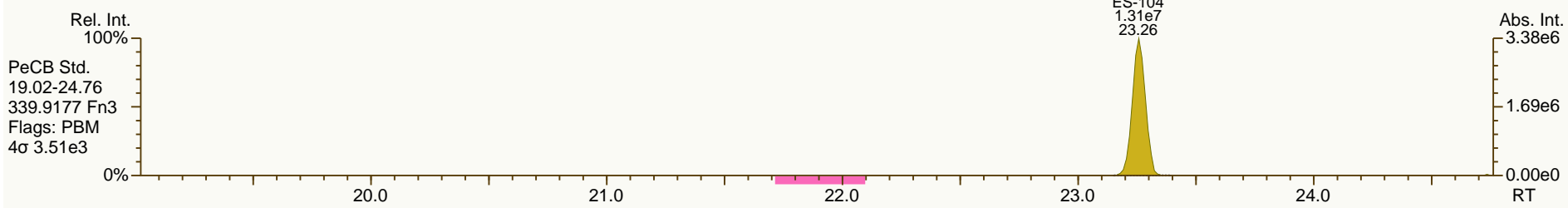
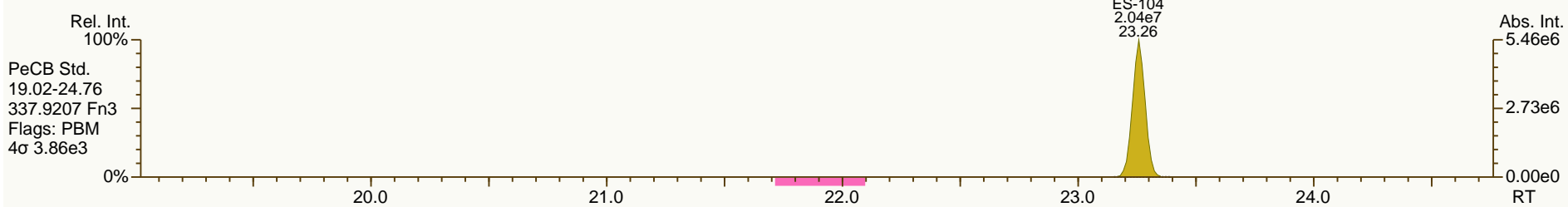
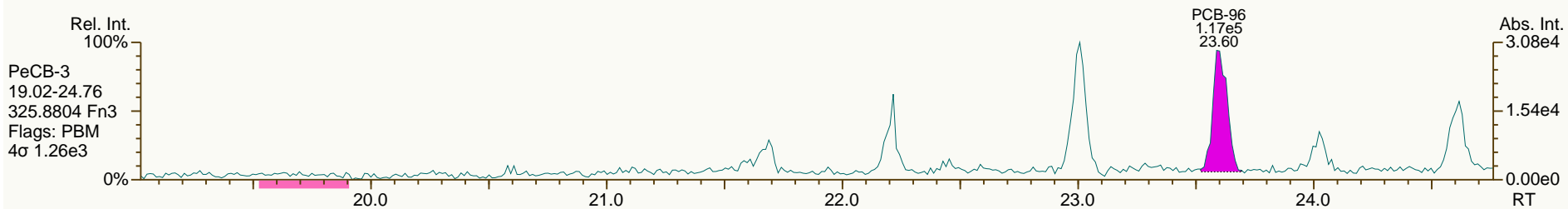
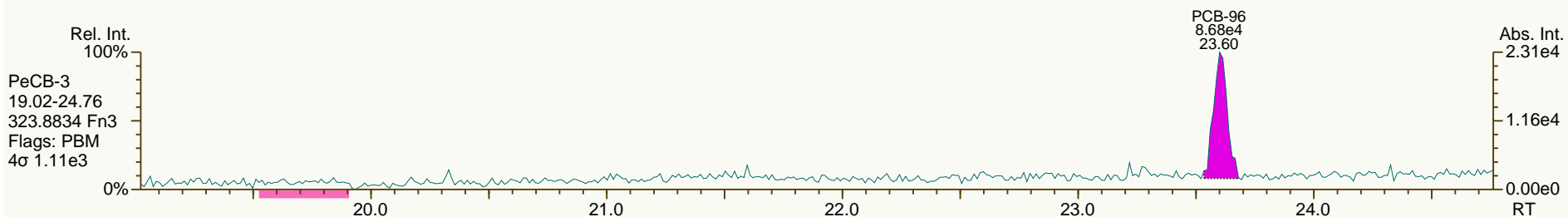
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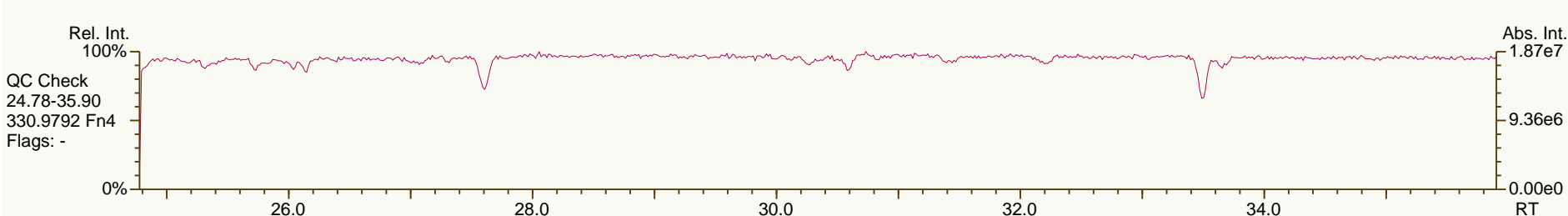
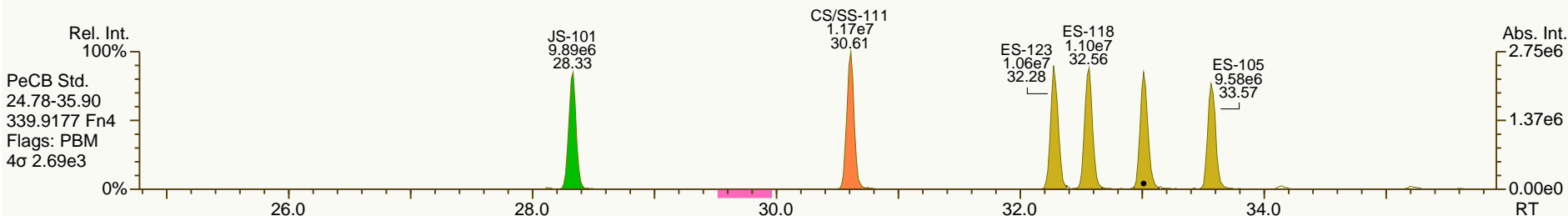
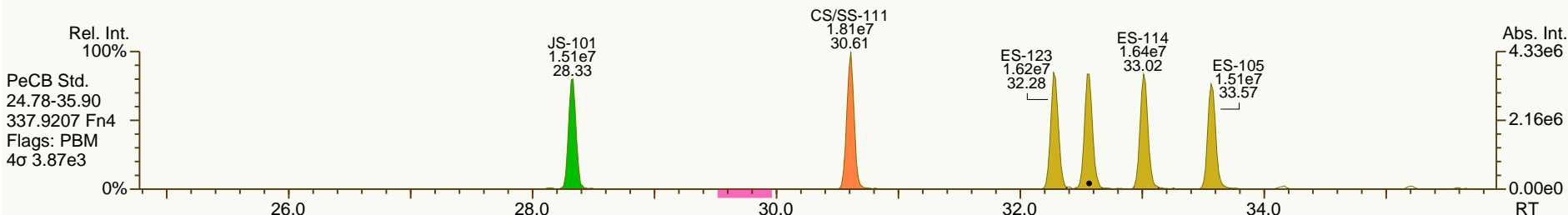
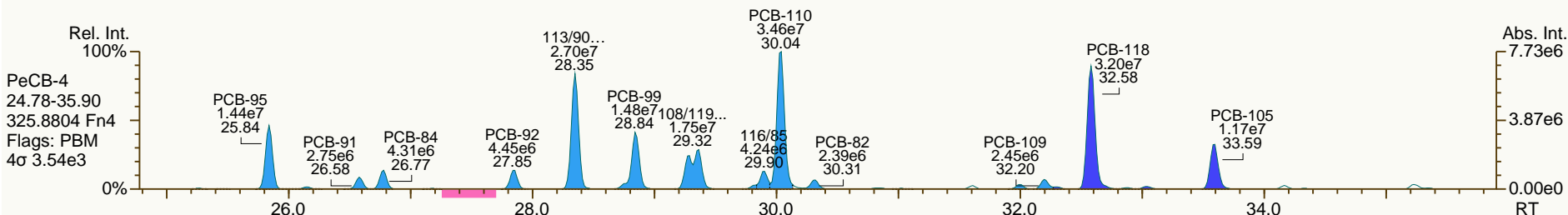
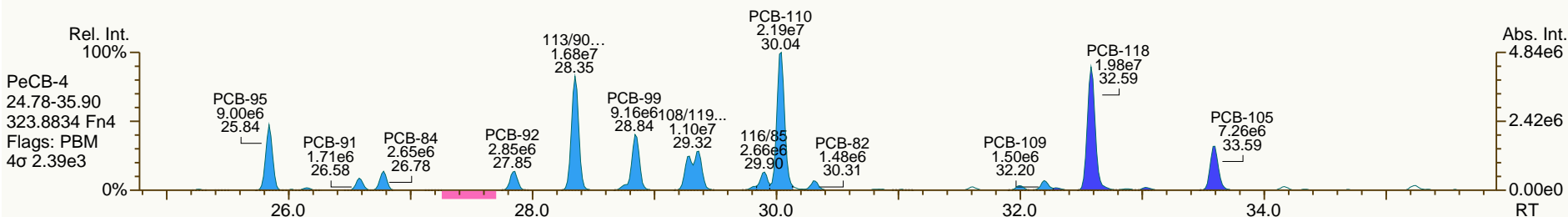
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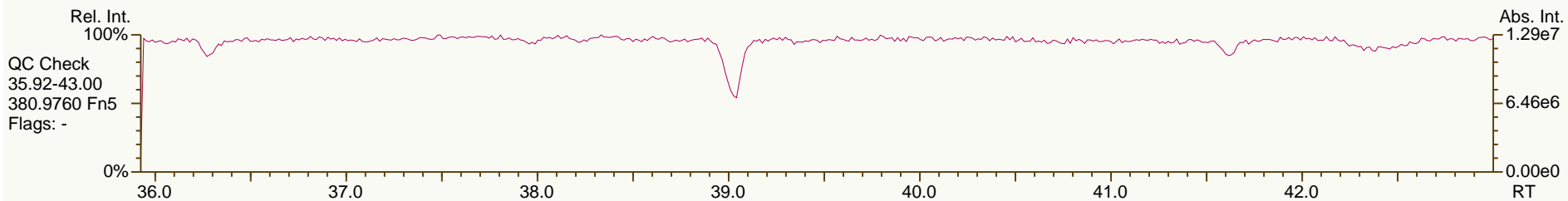
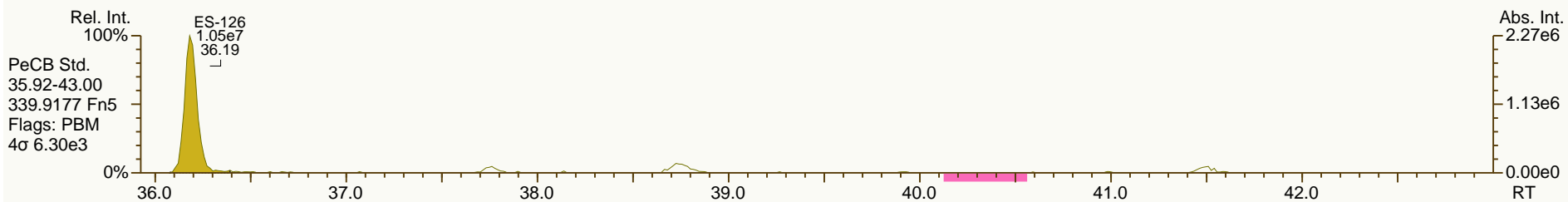
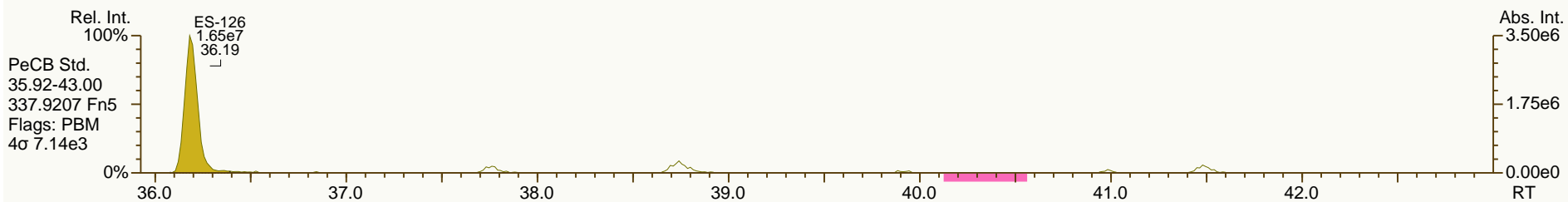
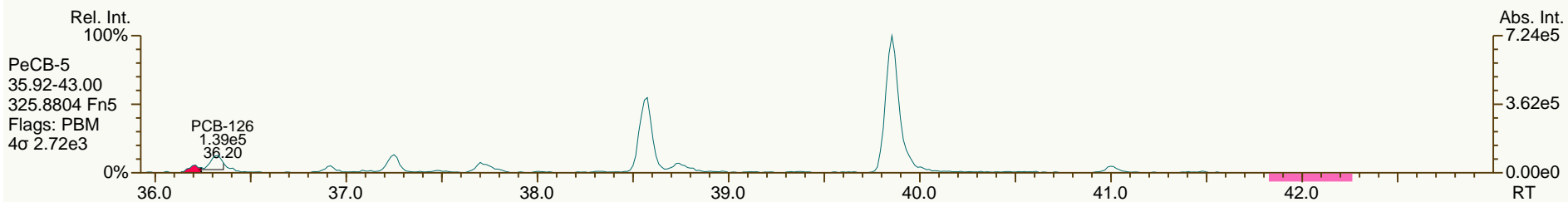
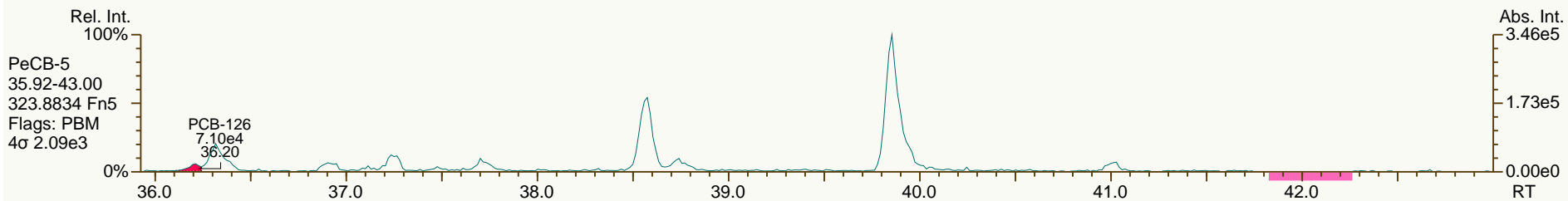
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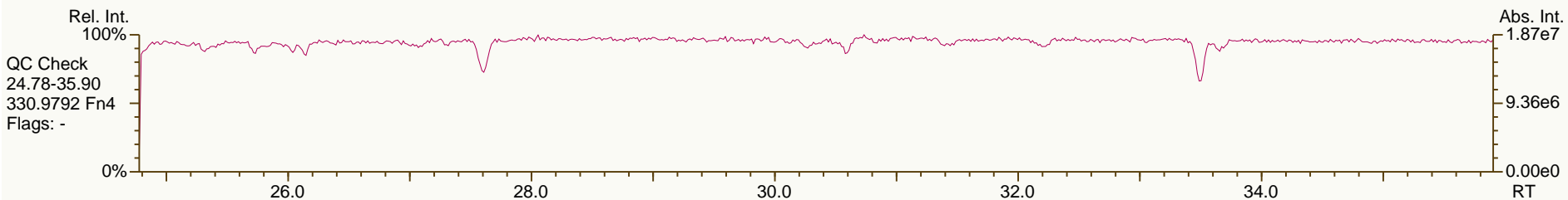
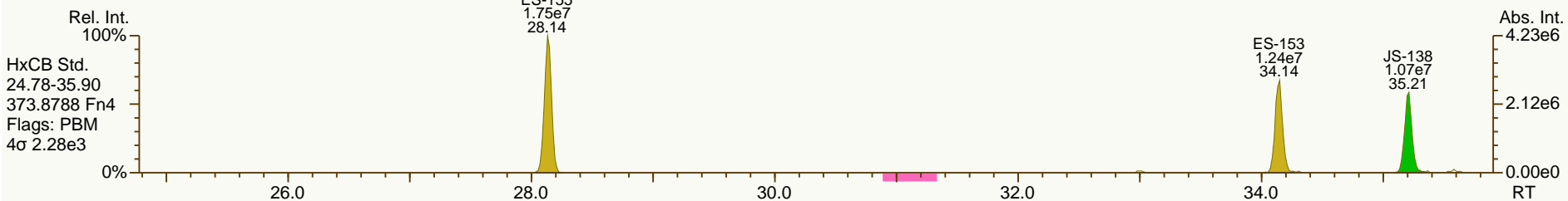
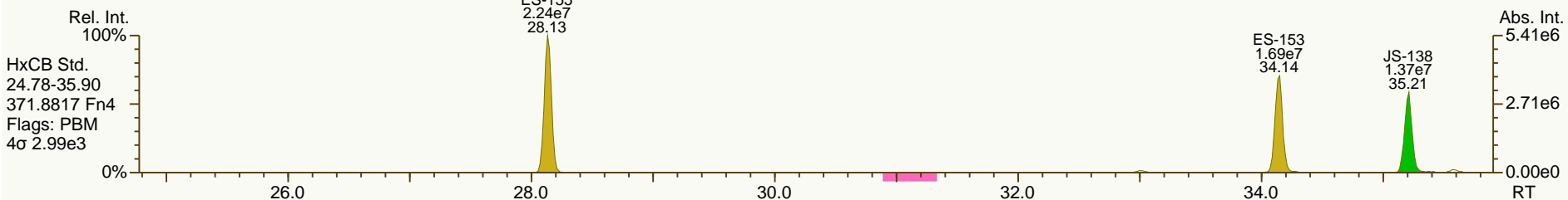
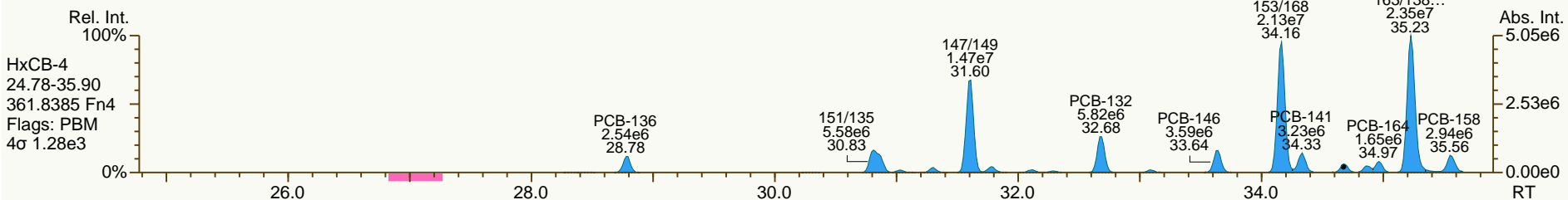
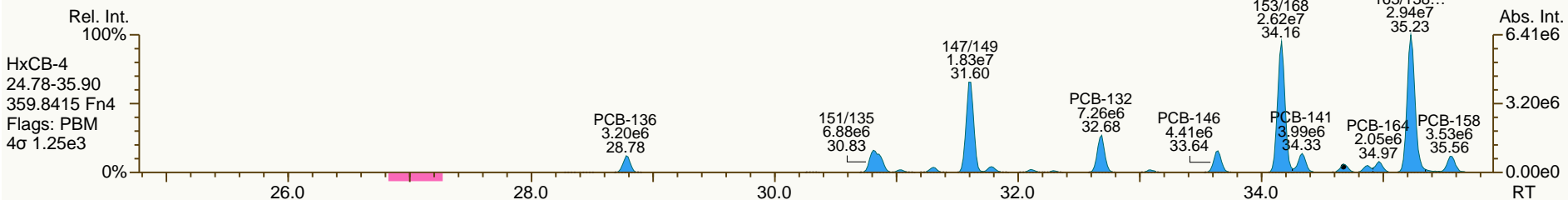
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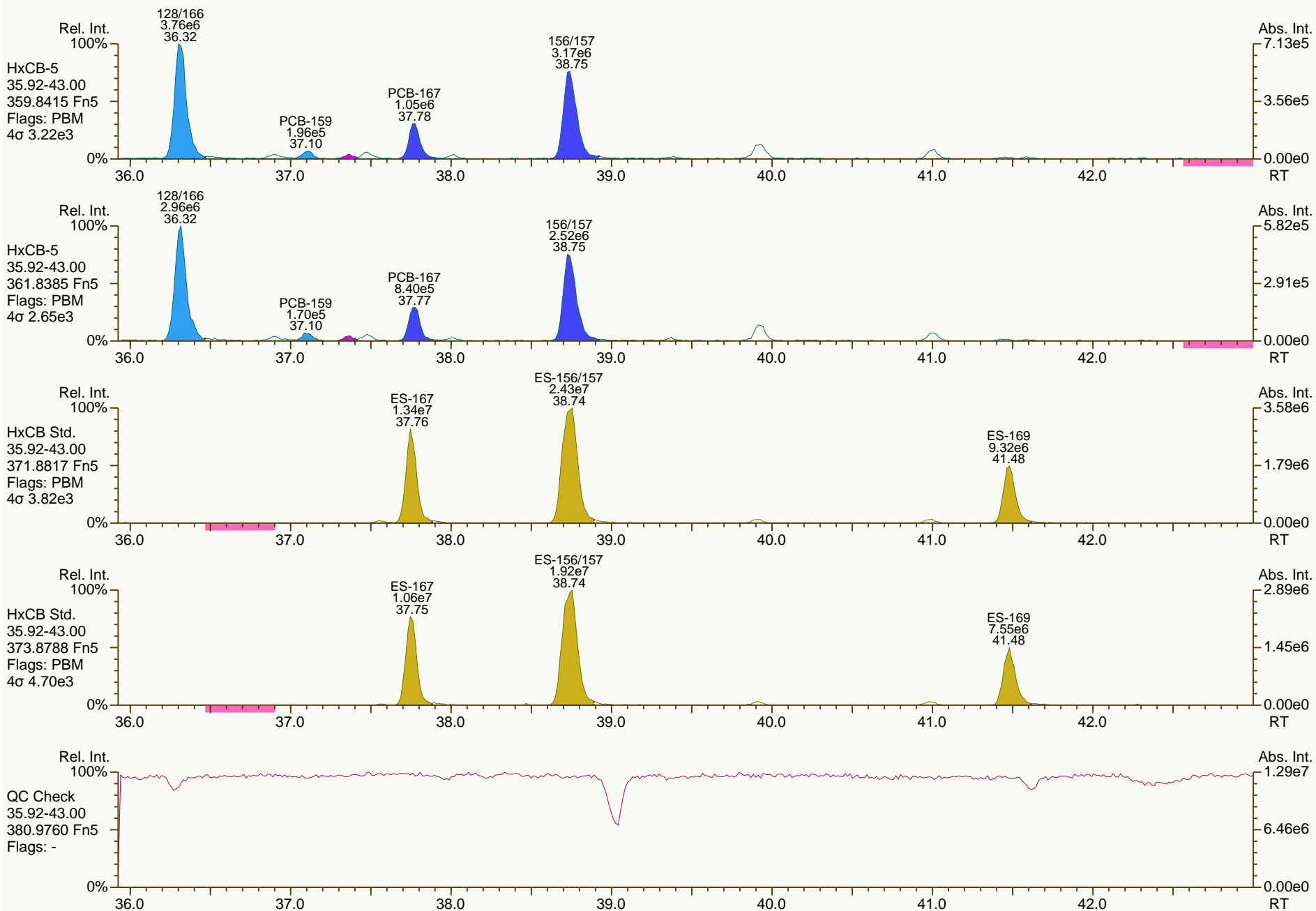
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

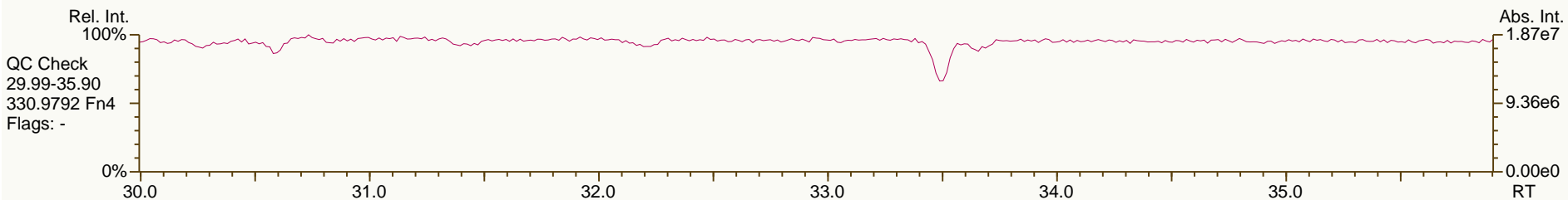
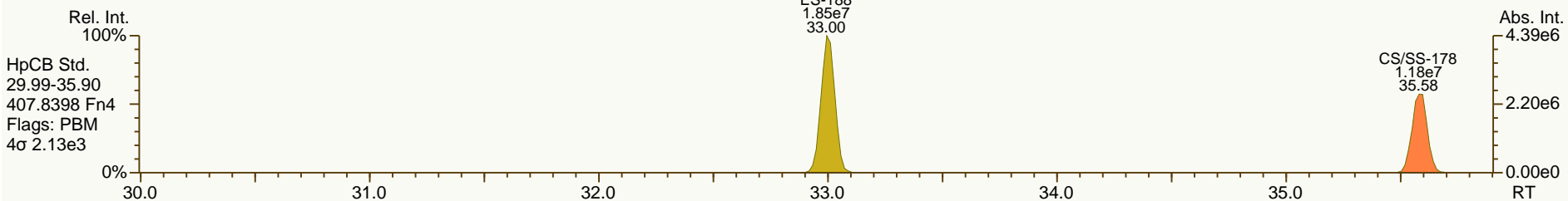
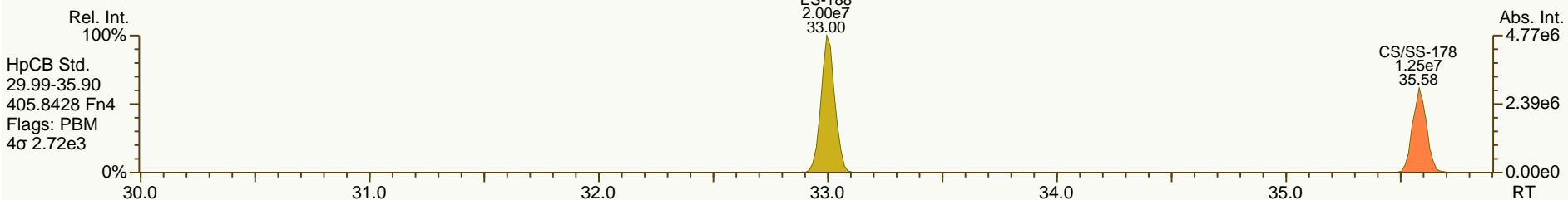
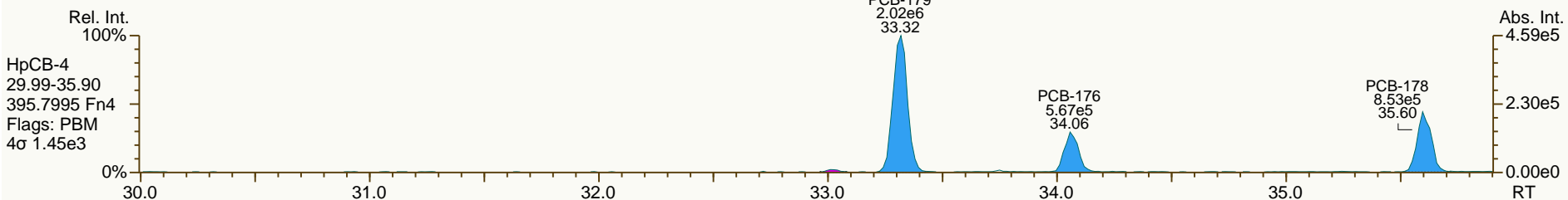
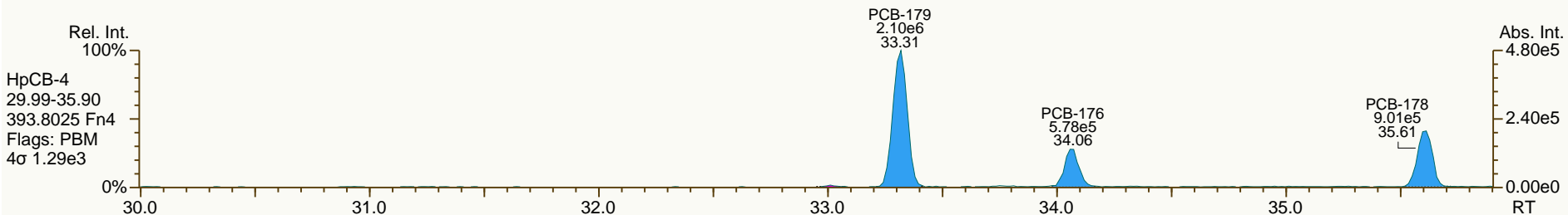
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SGS-AP ID: A5698_11123_PCB_003
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Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

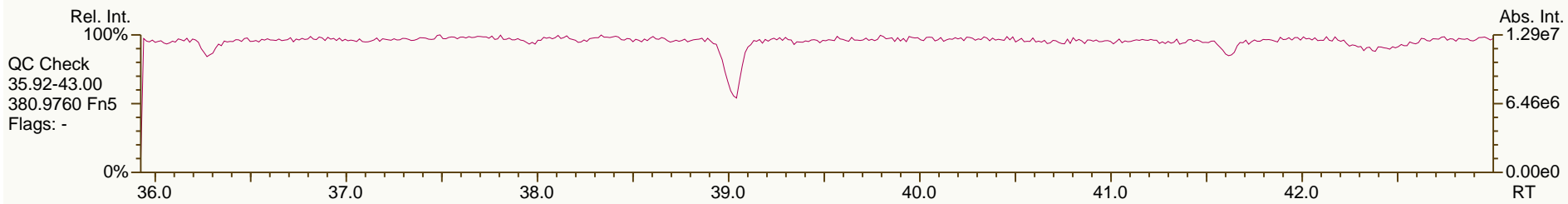
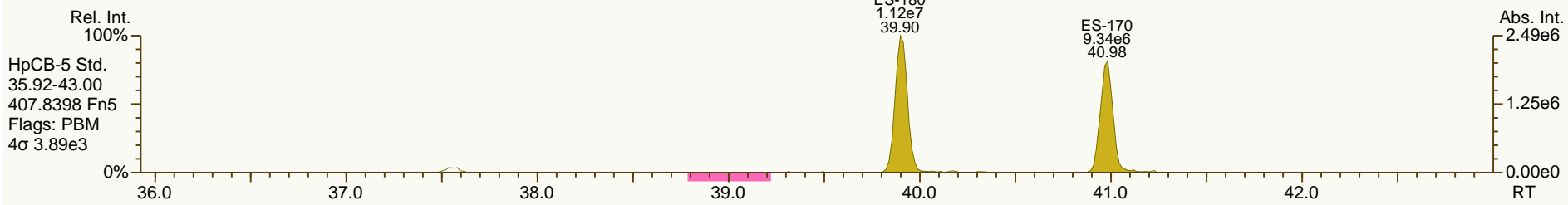
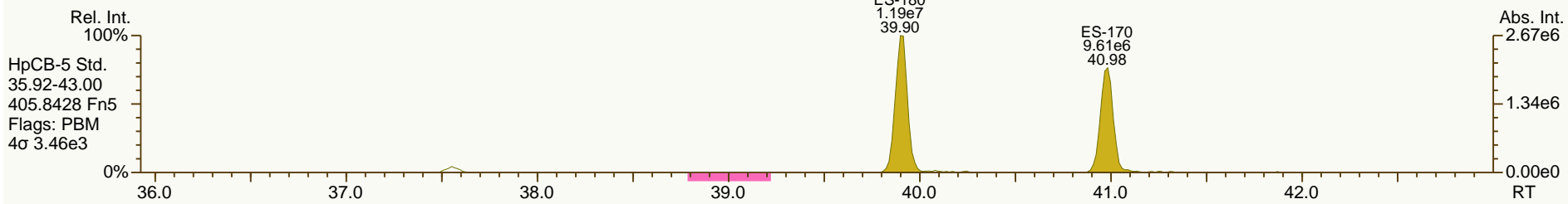
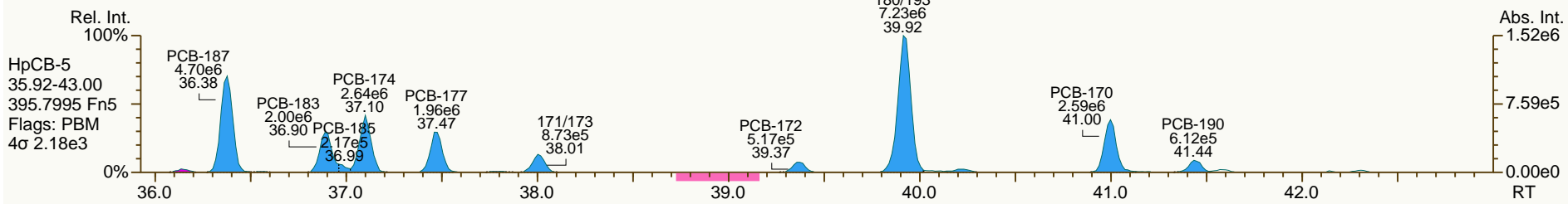
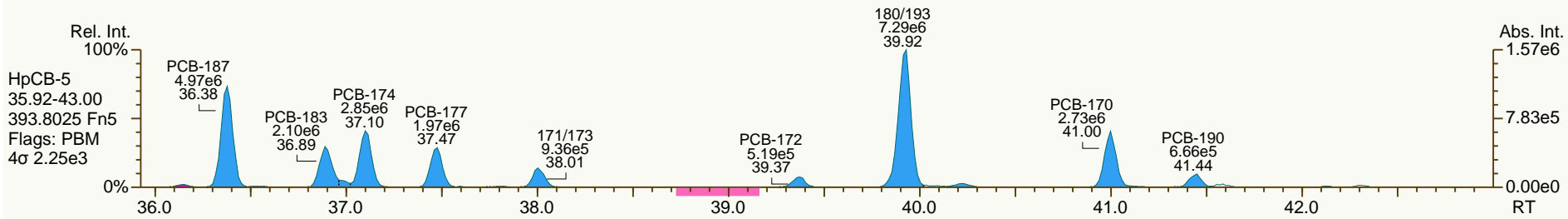
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

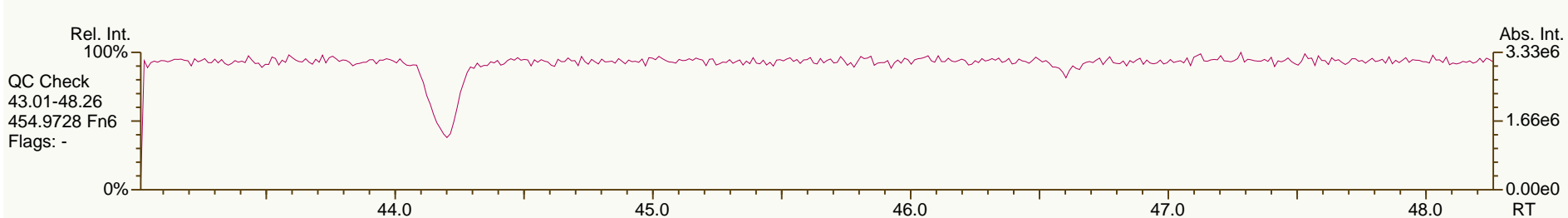
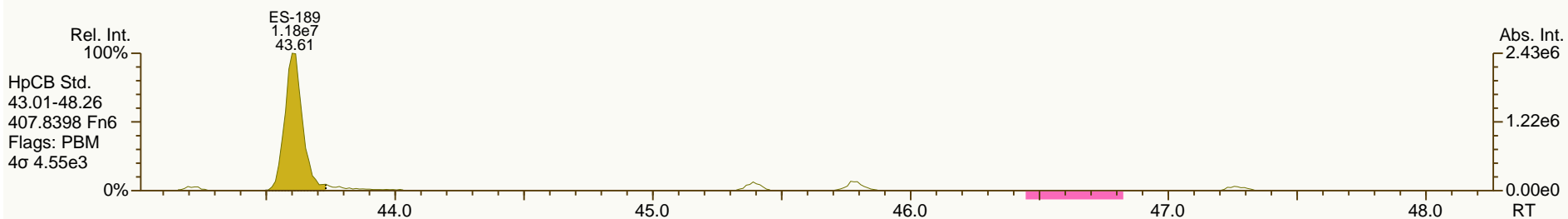
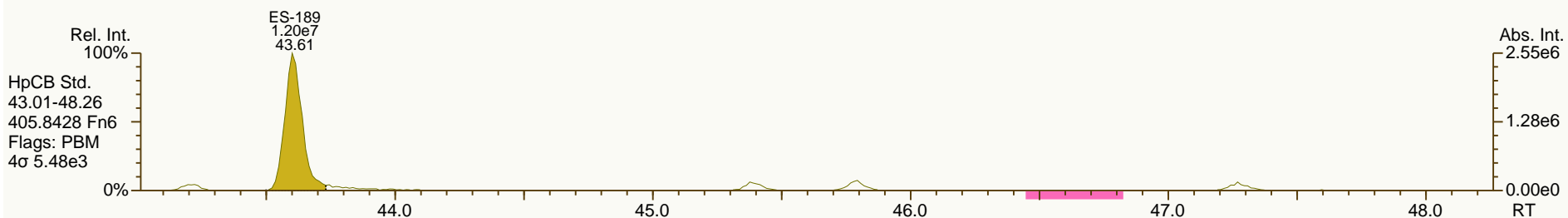
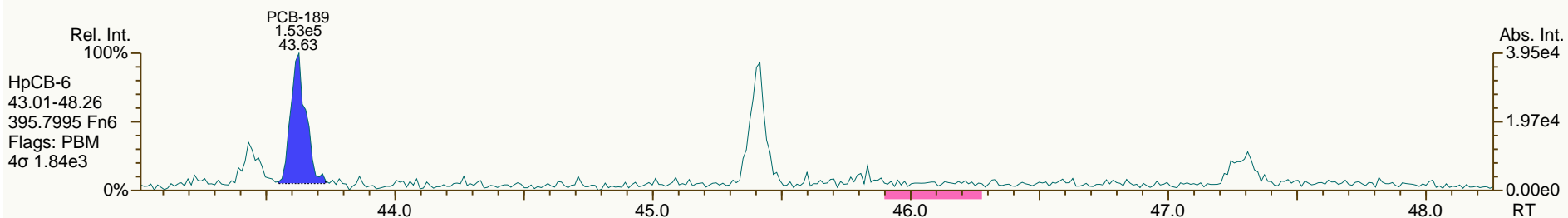
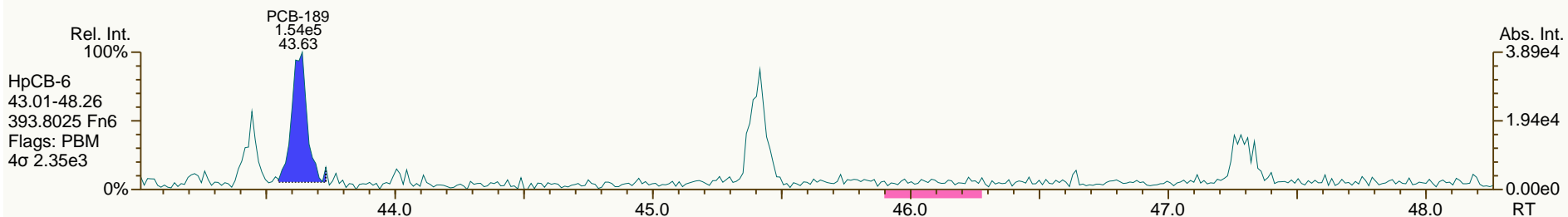
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

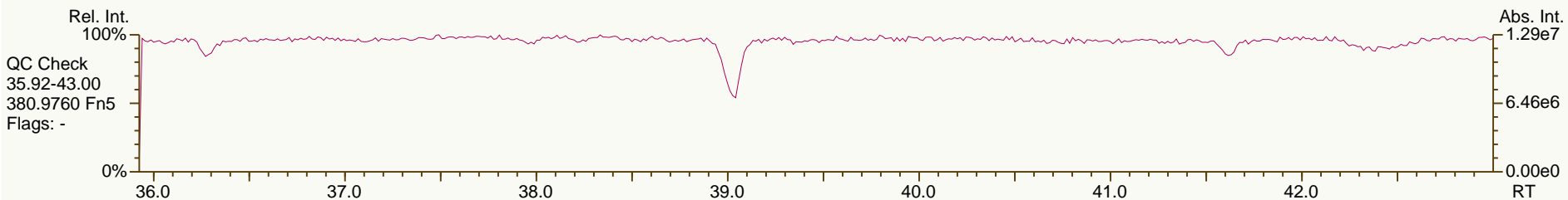
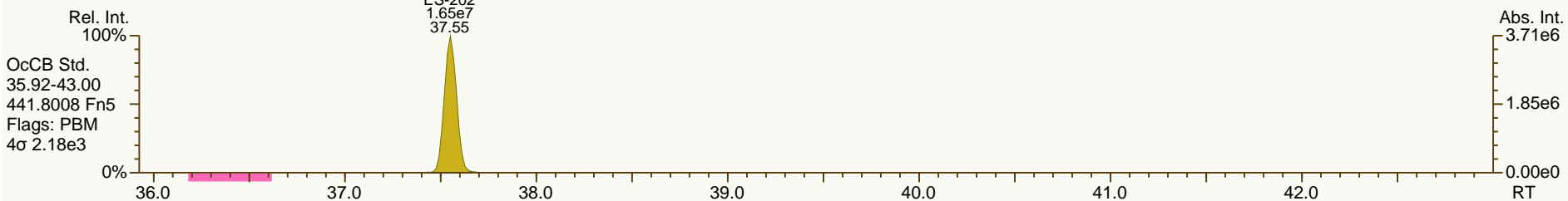
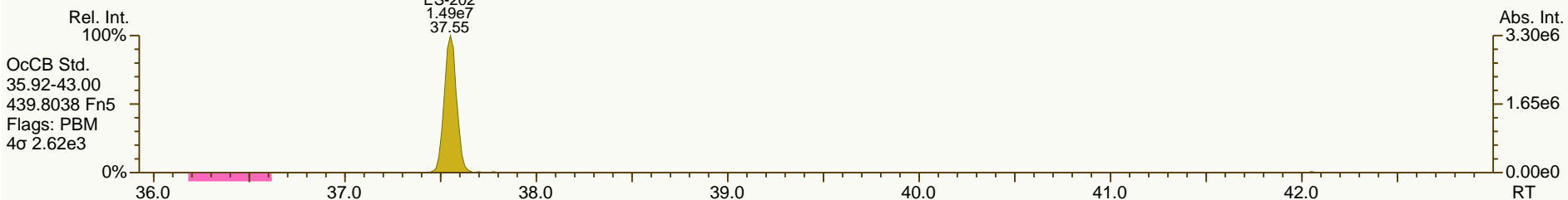
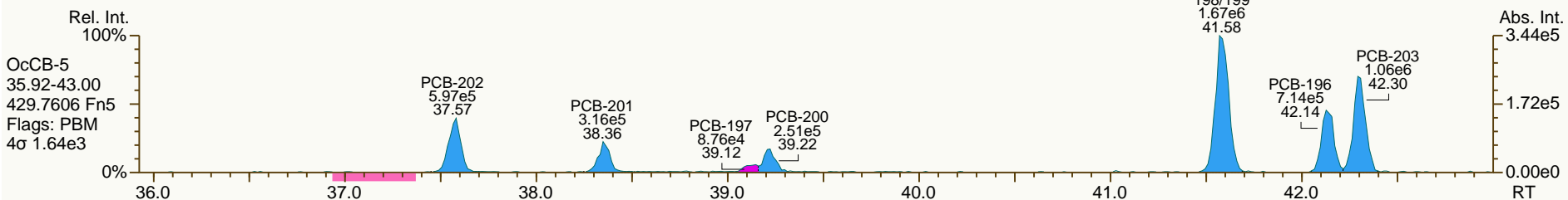
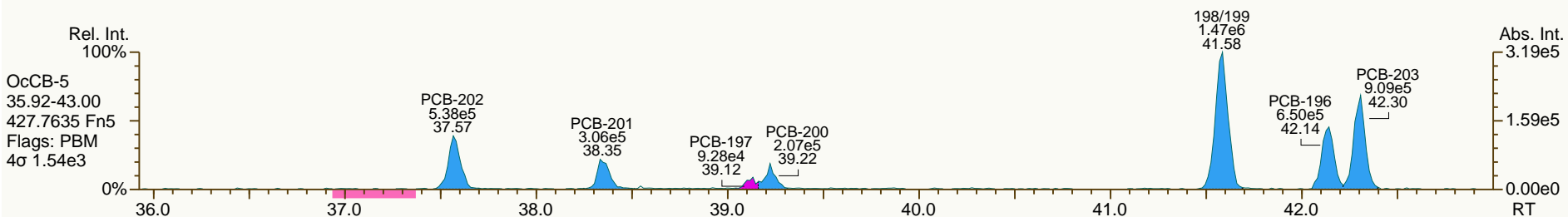
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

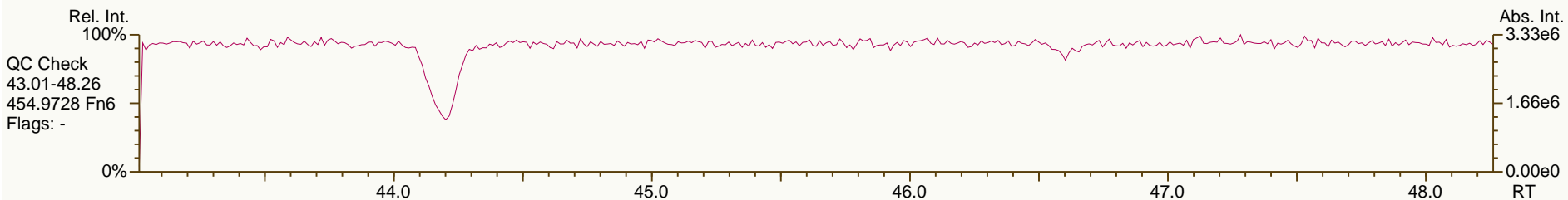
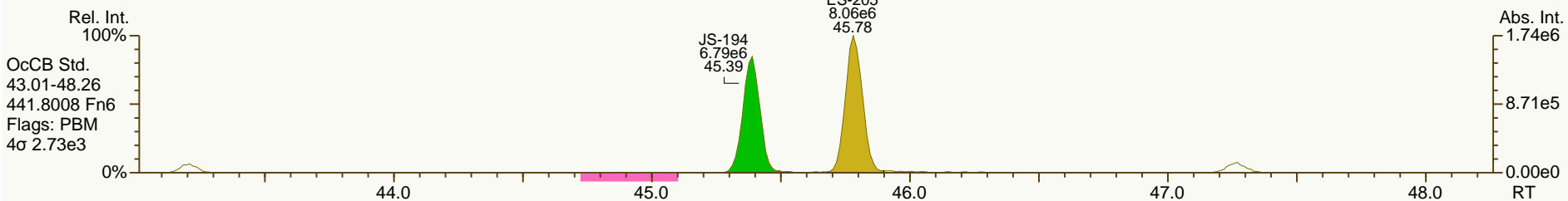
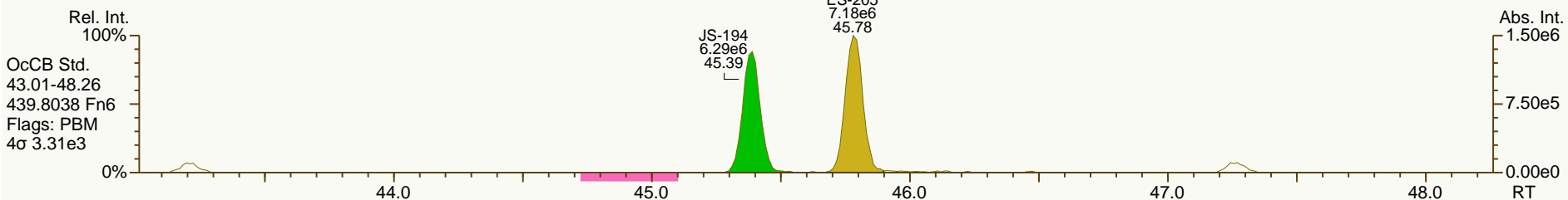
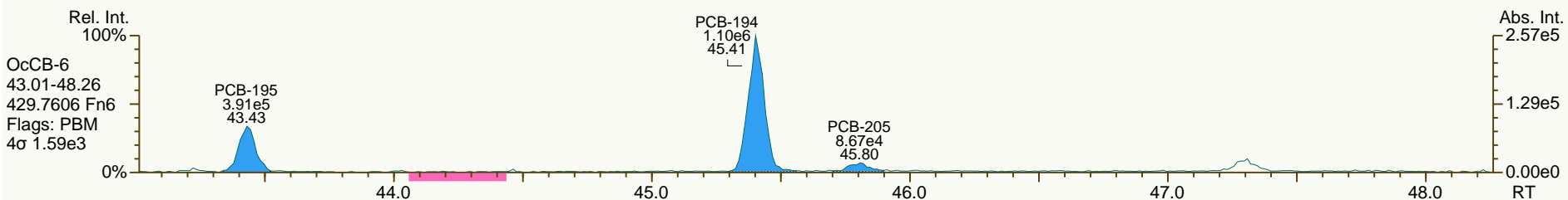
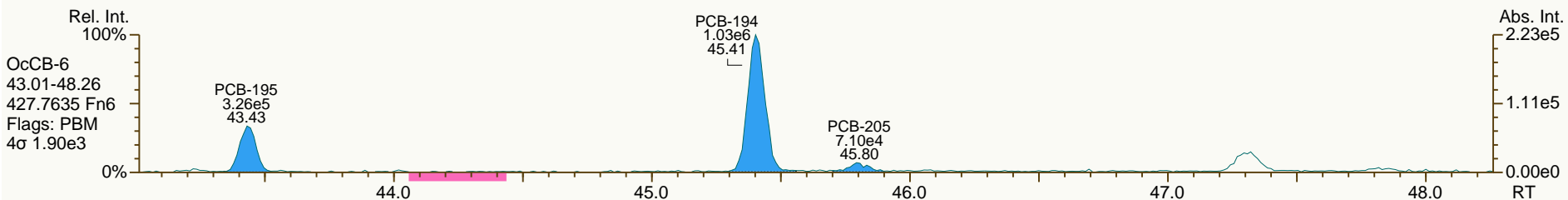
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

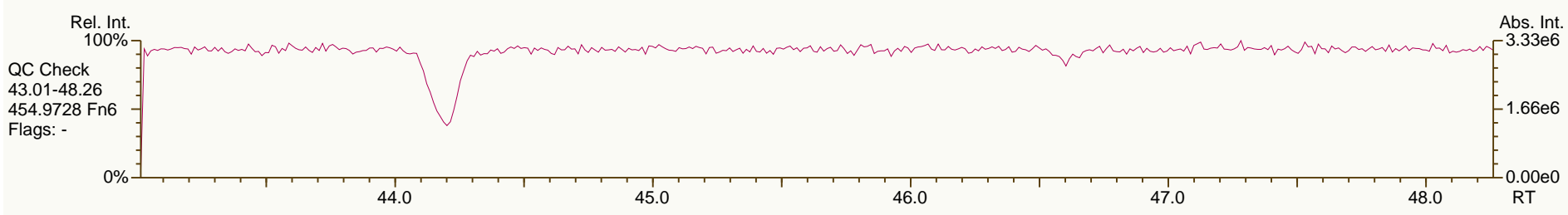
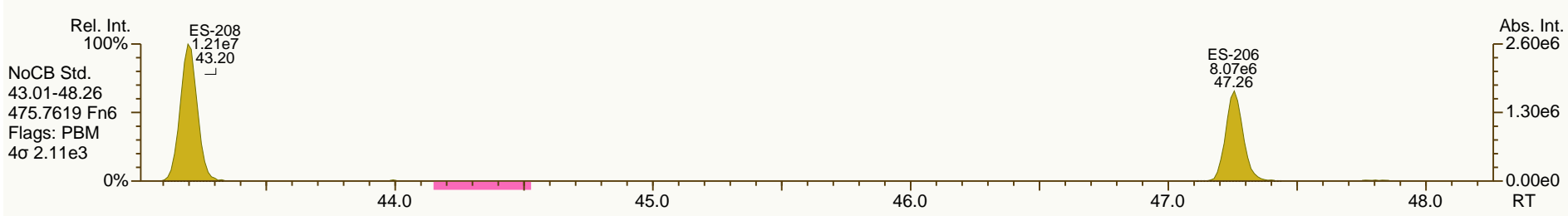
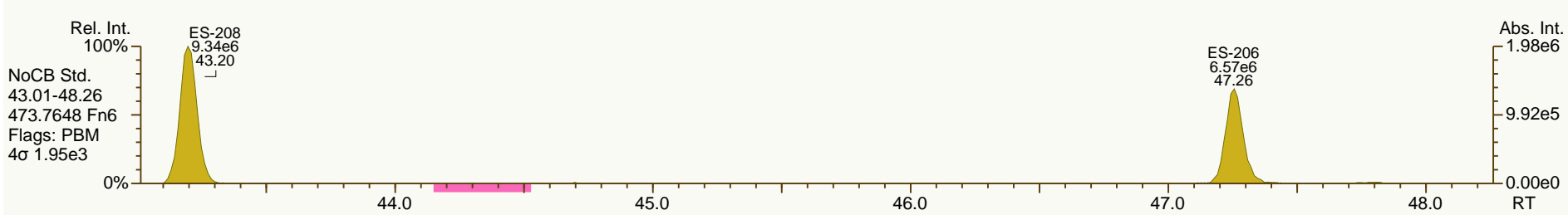
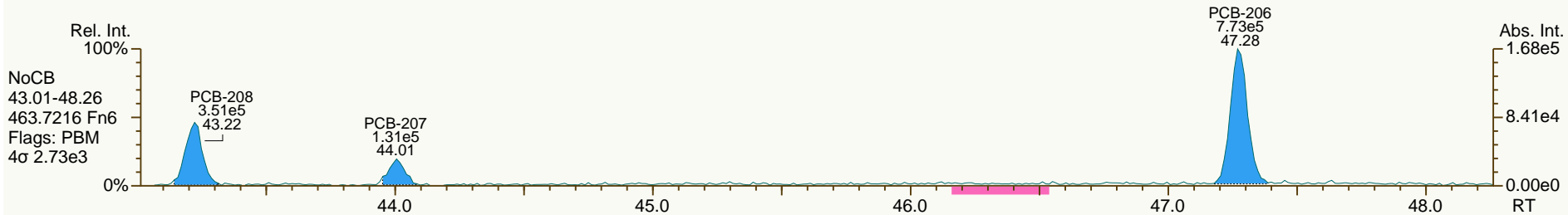
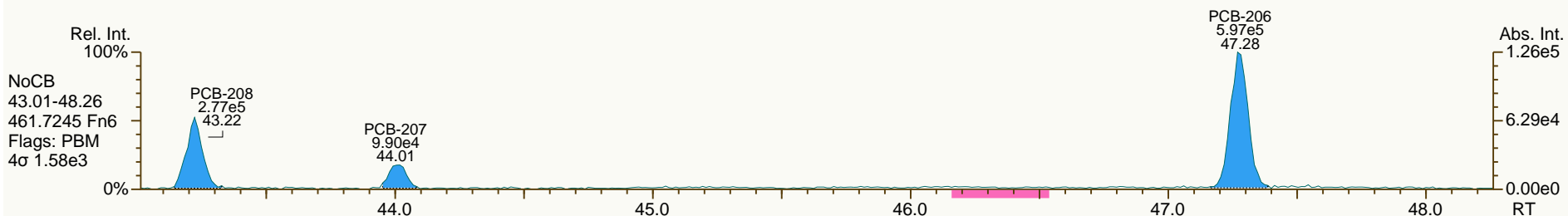
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

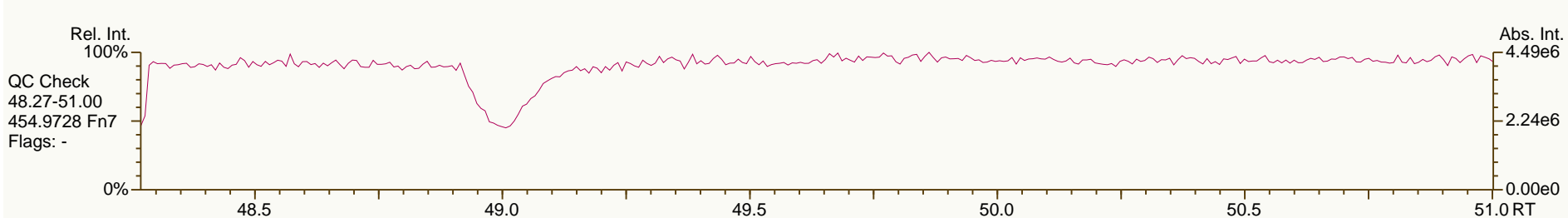
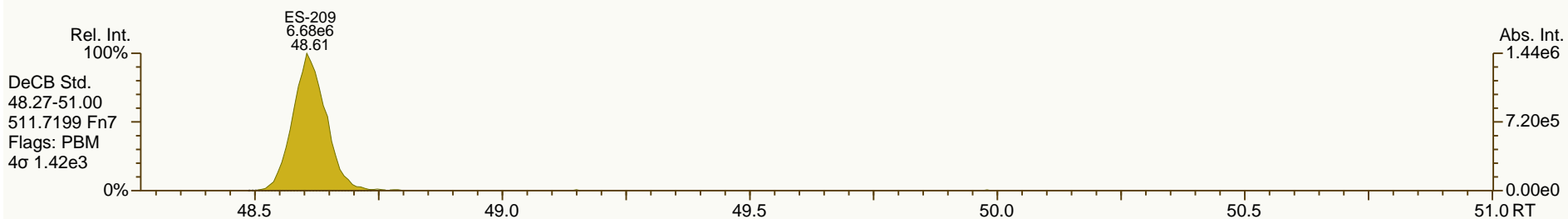
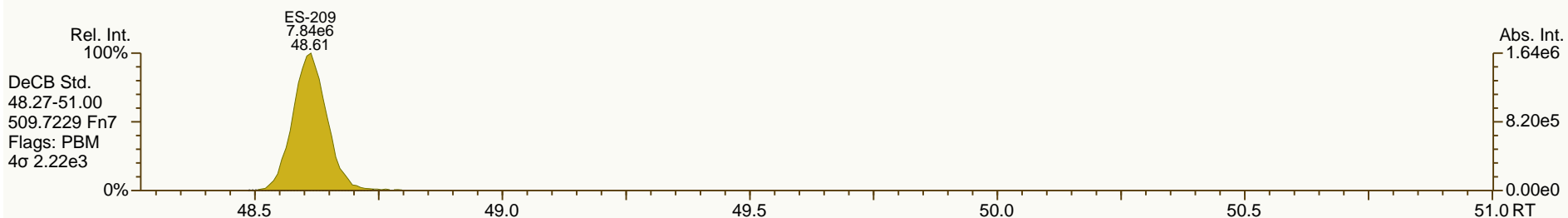
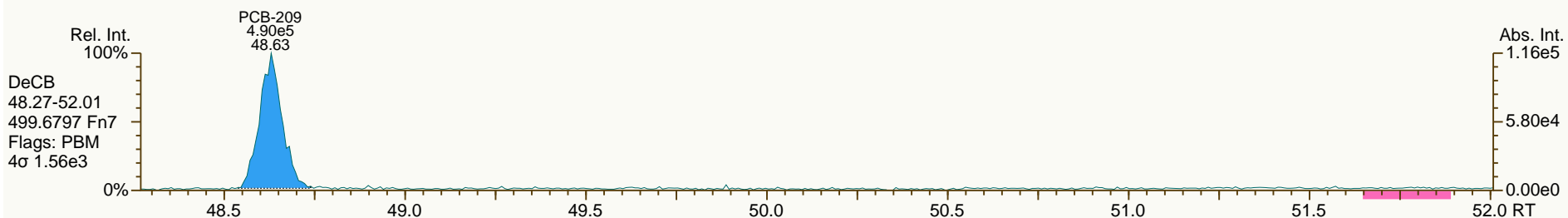
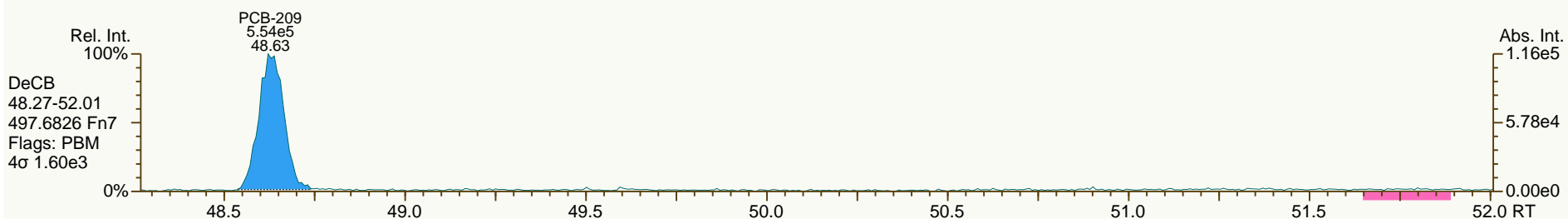
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SGS-AP ID: A5698_11123_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-209-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 16

Acq: 19-Jul-2013 18:15:39
 User: JLJ Datafile: 130719V13



Lab ID: A5698_11123_PCB_004

ACQ: 19-Jul-2013 19:09:58 JLJ

Wt/Vol: 6.29 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-211-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.59 pg/g Split: 1

Checkcode: 390-810-YGT

Datafile: 130719V14

RPT: 23-Jul-2013 16:21 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.63		1.0006	1.0006	0	4.16E+06	0.78	1.25	32	9.80E+03	0.846
PCB-81 344'5'-TeCB	30.15	J EMPC	1.0005	1.0005	0	1.55E+05	0.90	1.26	1.16	9.80E+03	0.766
PCB-105 233'44'-PeCB	33.60		1.0006	1.0007	+0.2	1.54E+07	0.63	1.06	192	4.14E+03	0.594
PCB-114 2344'5'-PeCB	33.05		1.0007	1.0006	-0.2	8.76E+05	0.66	1.11	9.6	4.14E+03	0.5
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	3.97E+07	0.63	1.08	442	4.14E+03	0.499
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0009	+0.6	6.38E+05	0.63	1.12	7.22	4.14E+03	0.505
PCB-126 33'44'5'-PeCB	36.21		1.0007	1.0005	-0.4	1.89E+05	0.59	1.16	2.11	4.48E+03	0.601
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	4.91E+06	1.27	1.14	64.5	4.66E+03	1.03
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	1.55E+06	1.21	1.18	18.4	4.66E+03	0.647
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.66E+03	1.47
PCB-189 233'44'55'-HpCB	43.63	B	1.0005	1.0004	-0.3	2.96E+05	1.06	1.12	3.66	4.13E+03	0.631
PCB-209 DeCB	48.63		1.0004	1.0004	0	7.71E+05	1.20	1.11	17.1	2.93E+03	0.786
ES PCB-1	10.56		0.7199	0.7204	+0.3	2.97E+07	3.37	0.97	62.6 %	25%	150%
ES PCB-3	12.61		0.8600	0.8603	+0.2	3.37E+07	3.33	0.90	76.6 %	25%	150%
ES PCB-4	12.85		0.8759	0.8761	+0.2	2.81E+07	1.55	0.70	82.1 %	25%	150%
ES PCB-15	18.18		1.2401	1.2402	+0.1	4.63E+07	1.60	1.02	93.3 %	25%	150%
ES PCB-19	15.69		1.0705	1.0704	-0.1	2.32E+07	1.05	0.53	90.1 %	25%	150%
ES PCB-37	24.34		1.0840	1.0845	+0.7	3.23E+07	1.11	1.29	88.8 %	25%	150%
ES PCB-54	18.46		0.8227	0.8223	-0.4	2.97E+07	0.79	1.43	74.1 %	25%	150%
ES PCB-77	30.61		1.3634	1.3639	+0.9	3.31E+07	0.82	1.20	97.9 %	25%	150%
ES PCB-81	30.13		1.3420	1.3427	+1.3	3.38E+07	0.81	1.16	104 %	25%	150%
ES PCB-104	23.27		0.8213	0.8192	-2.9	2.78E+07	1.58	1.70	69.3 %	25%	150%
ES PCB-105	33.58		1.1849	1.1818	-6.2	2.41E+07	1.54	1.10	93.2 %	25%	150%
ES PCB-114	33.03		1.1652	1.1624	-5.5	2.61E+07	1.59	1.16	96.1 %	25%	150%
ES PCB-118	32.57		1.1492	1.1464	-5.5	2.64E+07	1.55	1.15	97.4 %	25%	150%
ES PCB-123	32.29		1.1394	1.1366	-5.4	2.51E+07	1.55	1.14	93.6 %	25%	150%
ES PCB-126	36.20		1.2772	1.2740	-7.0	2.47E+07	1.60	1.34	78.5 %	25%	150%
ES PCB-153	34.15		0.9698	0.9698	0	2.63E+07	1.28	1.14	93.2 %	25%	150%
ES PCB-155	28.23		0.7994	0.8017	+3.9	3.40E+07	1.30	1.61	87.6 %	25%	150%
ES PCB-156/157	38.75		1.1004	1.1003	-0.2	4.25E+07	1.23	0.98	90.3 %	25%	150%
ES PCB-167	37.76		1.0723	1.0722	-0.2	2.28E+07	1.27	1.01	94 %	25%	150%
ES PCB-169	41.49		1.1781	1.1783	+0.5	1.17E+07	1.26	0.90	54 %	25%	150%
ES PCB-170	40.98		0.9031	0.9030	-0.2	1.79E+07	1.03	1.28	109 %	25%	150%
ES PCB-180	39.91		0.8794	0.8793	-0.2	2.17E+07	1.04	1.54	112 %	25%	150%
ES PCB-188	33.01		0.7275	0.7273	-0.4	3.35E+07	1.04	1.63	85.6 %	25%	150%
ES PCB-189	43.61		0.9610	0.9609	-0.3	2.30E+07	1.06	1.97	91.2 %	25%	150%
ES PCB-202	37.55		0.8277	0.8275	-0.5	2.69E+07	0.89	1.26	88.6 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.37E+07	0.91	1.22	87.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0412	0	1.31E+07	0.80	1.10	93.2 %	25%	150%
ES PCB-208	43.20		0.9520	0.9519	-0.3	1.91E+07	0.80	1.41	106 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.29E+07	1.19	1.24	80.9 %	25%	150%
SS PCB-28	20.85		0.9292	0.9289	-0.4	3.84E+07	1.09	1.18	101 %	30%	135%
SS PCB-111	30.62		1.0804	1.0779	-4.6	2.59E+07	1.56	1.01	103 %	30%	135%
SS PCB-178	35.59		1.0107	1.0107	0	2.15E+07	1.03	0.60	107 %	30%	135%
CS PCB-28	20.85		0.9292	0.9289	-0.4	3.84E+07	1.09	1.52	89.7 %	30%	135%
CS PCB-111	30.62		1.0804	1.0779	-4.6	2.59E+07	1.56	1.15	96.1 %	30%	135%
CS PCB-178	35.59		1.0107	1.0107	0	2.15E+07	1.03	0.98	91.5 %	30%	135%
JS PCB-9	14.66					4.89E+07	1.60				
JS PCB-52	22.44					2.81E+07	0.77				
JS PCB-101	28.41					2.35E+07	1.57				
JS PCB-138	35.21					2.40E+07	1.29				
JS PCB-194	45.38					1.28E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						119	119	0.423			
Di-CBs						291	291	0.59			
Tri-CBs						777	777	0.802			
Tetra-CBs						1,570	1,570	0.579			
Penta-CBs						2,760	2,770	0.499			
Hexa-CBs						2,050	2,050	0.855			
Hepta-CBs						680	680	0.641			
Octa-CBs						192	192	0.703			
Nona-CBs						43.9	43.9	1.07			
PCB-1 2-MoCB	10.57		1.0011	1.0011	0	5.21E+06	3.11	1.25	44.7	7.51E+03	0.46
PCB-2 3-MoCB	12.46		0.9877	0.9879	+0.1	4.66E+06	3.08	1.26	34.9	7.51E+03	0.388
PCB-3 4-MoCB	12.63		1.0010	1.0010	0	5.25E+06	3.03	1.27	39.1	7.51E+03	0.386
PCB-4 22'-DiCB	12.86		1.0011	1.0012	+0.1	1.16E+06	1.65	0.90	14.6	5.56E+03	0.496
PCB-10 26-DiCB	13.02	J	1.0136	1.0135	-0.1	1.32E+05	SI	1.40	1.07	5.56E+03	0.319
PCB-9 25-DiCB	14.67		1.0010	1.0008	-0.2	6.47E+05	1.33	1.00	4.43	1.15E+04	0.748
PCB-7 24-DiCB	14.83		1.0113	1.0113	0	5.15E+05	SI	1.12	3.14	1.15E+04	0.666
PCB-6 23'-DiCB	15.04		1.0261	1.0261	0	1.88E+06	1.45	1.03	12.5	1.15E+04	0.727
PCB-5 23-DiCB	15.33	J	1.0452	1.0452	0	2.24E+05	SI	1.05	1.47	1.15E+04	0.716
PCB-8 24'-DiCB	15.44		1.0529	1.0528	-0.1	8.90E+06	1.56	1.06	57.9	1.15E+04	0.709
PCB-14 35-DiCB	16.90	J	0.9293	0.9292	-0.1	2.02E+05	SI	1.22	1.14	1.15E+04	0.614
PCB-11 33'-DiCB	17.65	B	0.9704	0.9704	0	1.81E+07	1.54	0.98	127	1.15E+04	0.767
PCB-13/12 34'/34-DiCB	17.91	C	0.9856	0.9850	-0.6	1.61E+06	1.47	0.98	11.3	1.15E+04	0.763
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	8.91E+06	1.53	1.10	55.8	1.15E+04	0.683

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0010	-0.1	2.88E+05	1.08	0.95	4.17	6.31E+03	0.773
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1075	+1.1	5.41E+06	1.07	1.22	60.6	6.31E+03	0.597
PCB-17 22'4-TrCB	17.75		1.1310	1.1311	+0.1	2.44E+06	1.06	1.05	31.8	6.31E+03	0.694
PCB-27 23'6-TrCB	17.94		1.1431	1.1433	+0.2	5.42E+05	1.11	1.39	5.36	6.31E+03	0.528
PCB-24 236-TrCB	18.05	J	1.1507	1.1503	-0.4	7.96E+04	1.07	1.36	0.802	6.31E+03	0.537
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	1.70E+06	1.03	0.82	28.5	6.31E+03	0.892
PCB-32 24'6-TrCB	18.62		1.1861	1.1862	+0.1	2.64E+06	1.06	1.47	24.5	6.31E+03	0.496
PCB-34 23'5'-TrCB	NotFnd		0.8111	-		0.00E+00		1.53	ND	1.15E+04	0.753
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.15E+04	0.729
PCB-26/29 23'5/245-TrCB	20.13	C	0.8282	0.8269	-1.6	4.18E+06	1.01	1.56	26.5	1.15E+04	0.742
PCB-25 23'4-TrCB	20.33		0.8362	0.8354	-1.0	2.39E+06	1.03	1.59	14.8	1.15E+04	0.725
PCB-31 24'5-TrCB	20.61		0.8473	0.8467	-0.7	2.49E+07	1.02	1.62	152	1.15E+04	0.711
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8574	-1.5	3.21E+07	1.03	1.51	209	1.15E+04	0.763
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8661	+0.6	1.22E+07	1.03	1.58	76.1	1.15E+04	0.732
PCB-22 234'-TrCB	21.43		0.8808	0.8803	-0.6	8.55E+06	1.02	1.45	58.3	1.15E+04	0.799
PCB-36 33'5-TrCB	22.78		0.9359	0.9357	-0.3	3.34E+05	0.93	1.55	2.13	1.15E+04	0.745
PCB-39 34'5-TrCB	23.11	J	0.9491	0.9496	+0.7	2.14E+05	1.07	1.53	1.37	1.15E+04	0.752
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.15E+04	0.792
PCB-35 33'4-TrCB	24.00		0.9862	0.9861	-0.1	9.97E+05	1.07	1.31	7.49	1.15E+04	0.88
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	1.03E+07	1.02	1.39	73.3	1.15E+04	0.831
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.71E+03	0.327
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9076	-1.2	1.19E+06	0.78	0.90	12.4	4.25E+03	0.465
PCB-45 22'36-TeCB	20.96		0.9340	0.9337	-0.4	9.87E+05	0.74	0.84	11.1	4.25E+03	0.499
PCB-51 22'46'-TeCB	21.03		0.9371	0.9369	-0.3	3.38E+05	0.83	0.86	3.71	4.25E+03	0.488
PCB-46 22'36'-TeCB	21.23		0.9464	0.9460	-0.5	3.78E+05	0.74	0.73	4.86	4.25E+03	0.571
PCB-52 22'55'-TeCB	22.47		1.0010	1.0010	0	2.08E+07	0.77	0.85	230	4.25E+03	0.492
PCB-73 23'5'6-TeCB	22.59	J	1.0064	1.0065	+0.1	9.74E+04	0.77	1.15	0.798	4.25E+03	0.364
PCB-43 22'35-TeCB	22.68		1.0103	1.0104	+0.1	3.67E+05	0.83	0.74	4.67	4.25E+03	0.567
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0199	+1.5	1.11E+07	0.77	1.03	101	4.25E+03	0.404
PCB-48 22'45-TeCB	23.14		1.0310	1.0310	0	2.12E+06	0.77	0.85	23.4	4.25E+03	0.49
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0399	-0.7	1.47E+07	0.78	0.91	152	4.25E+03	0.461
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0525	+0.3	1.42E+06	0.79	1.15	11.6	4.25E+03	0.364
PCB-42 22'34'-TeCB	23.79		1.0599	1.0601	+0.3	3.17E+06	0.76	0.82	36.5	4.25E+03	0.512
PCB-41 22'34-TeCB	24.12		1.0743	1.0746	+0.4	6.95E+05	0.74	0.70	9.29	4.25E+03	0.595
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0792	+0.6	5.25E+06	0.77	0.88	56.2	4.25E+03	0.476
PCB-64 234'6-TeCB	24.41		1.0874	1.0877	+0.4	7.32E+06	0.77	1.24	55.4	4.25E+03	0.337
PCB-72 23'55'-TeCB	25.13		0.8338	0.8341	+0.5	3.97E+05	0.79	1.37	2.72	9.80E+03	0.702
PCB-68 23'45'-TeCB	25.39	J	0.8421	0.8424	+0.5	2.42E+05	0.73	1.44	1.58	9.80E+03	0.671
PCB-57 233'5-TeCB	NotFnd		0.8542	-		0.00E+00		1.30	ND	9.80E+03	0.744
PCB-58 233'5'-TeCB	25.96	J	0.8609	0.8614	+0.8	1.29E+05	0.88	1.29	0.937	9.80E+03	0.747
PCB-67 23'45-TeCB	26.11		0.8659	0.8665	+0.9	9.82E+05	0.76	1.38	6.68	9.80E+03	0.698
PCB-63 234'5-TeCB	26.34		0.8733	0.8740	+1.1	1.18E+06	0.81	1.43	7.78	9.80E+03	0.676
PCB-61/70/74/76 ...-TeCB	26.64	C	0.8835	0.8842	+1.1	5.67E+07	0.78	1.34	400	9.80E+03	0.722
PCB-66 23'44'-TeCB	26.92		0.8921	0.8932	+1.8	3.21E+07	0.78	1.22	248	9.80E+03	0.79
PCB-55 233'4-TeCB	27.05		0.8970	0.8977	+1.1	5.17E+05	0.82	1.27	3.83	9.80E+03	0.758

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9131	+2.5	1.32E+07	0.78	1.23	101	9.80E+03	0.785
PCB-60 2344'-TeCB	27.71		0.9176	0.9195	+3.2	6.19E+06	0.78	1.24	46.8	9.80E+03	0.775
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	9.80E+03	0.654
PCB-79 33'45'-TeCB	29.31		0.9723	0.9726	+0.5	6.57E+05	0.81	1.37	4.52	9.80E+03	0.705
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	9.80E+03	0.842
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.91E+03	0.294
PCB-96 22'366'-PeCB	23.62		1.0149	1.0150	+0.1	1.44E+05	0.67	1.00	1.65	2.91E+03	0.33
PCB-103 22'45'6'-PeCB	25.29	EMPC	0.8920	0.8902	-2.7	1.90E+05	0.76	0.92	2.63	4.14E+03	0.617
PCB-94 22'356'-PeCB	25.48	J EMPC	0.8988	0.8969	-2.9	7.02E+04	0.81	0.80	1.11	4.14E+03	0.707
PCB-95 22'35'6'-PeCB	25.87		0.9122	0.9107	-2.3	1.53E+07	0.63	0.85	228	4.14E+03	0.666
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	J C	0.9190	0.9171	-3.0	1.75E+05	0.64	0.87	2.54	4.14E+03	0.647
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	5.63E+05	0.65	0.86	8.24	4.14E+03	0.655
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	4.14E+03	0.648
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	4.14E+03	0.774
PCB-91 22'34'6'-PeCB	26.63		0.9382	0.9371	-1.8	2.91E+06	0.62	1.01	36.5	4.14E+03	0.561
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9441	-1.9	4.67E+06	0.64	0.74	79.8	4.14E+03	0.763
PCB-89 22'346'-PeCB	27.24		0.9597	0.9588	-1.5	1.92E+05	0.69	0.78	3.1	4.14E+03	0.722
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	4.14E+03	0.486
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	5.05E+06	0.61	0.83	77.4	4.14E+03	0.685
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0006	+1.2	3.10E+07	0.62	0.96	410	4.14E+03	0.59
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0137	-2.4	1.30E+06	0.63	0.69	23.7	4.14E+03	0.816
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0167	-2.6	1.55E+07	0.63	0.87	226	4.14E+03	0.651
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	4.14E+03	0.506
PCB-108/119/86/97/125...-PeCB	29.35	C	1.0331	1.0332	+0.2	2.04E+07	0.62	0.95	272	4.14E+03	0.596
PCB-117 234'56'-PeCB	29.83		1.0524	1.0499	-4.5	7.71E+05	0.64	0.98	9.98	4.14E+03	0.578
PCB-116/85 23456/22'344'-PeCB	29.92	C	1.0553	1.0531	-3.9	5.24E+06	0.62	0.98	67.4	4.14E+03	0.575
PCB-110 233'4'6'-PeCB	30.06		1.0600	1.0579	-3.8	4.13E+07	0.62	0.95	548	4.14E+03	0.593
PCB-115 2344'6'-PeCB	30.15		1.0628	1.0613	-2.7	1.02E+06	0.65	1.24	10.4	4.14E+03	0.457
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0675	-4.7	2.73E+06	0.63	0.72	48	4.14E+03	0.785
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	4.14E+03	0.489
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	4.14E+03	0.499
PCB-107/124 ...-PeCB	32.01	C	0.9910	0.9912	+0.4	1.41E+06	0.61	1.01	17.6	4.14E+03	0.558
PCB-109 233'46'-PeCB	32.21		0.9972	0.9976	+0.8	3.06E+06	0.65	1.09	35.6	4.14E+03	0.519
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	4.14E+03	0.565
PCB-122 233'4'5'-PeCB	32.88	EMPC	1.0098	1.0094	-0.8	5.13E+05	0.73	0.94	6.68	4.14E+03	0.595
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	4.14E+03	0.611
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.02E+03	0.273
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	3.02E+03	0.297
PCB-150 22'34'66'-HxCB	28.54	J	1.0119	1.0110	-1.5	9.35E+04	1.30	1.02	0.862	3.02E+03	0.293
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0212	-3.1	4.56E+06	1.26	0.91	46.9	3.02E+03	0.326
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.02E+03	0.318
PCB-148 22'34'56'-HxCB	30.34	J	1.0772	1.0745	-4.9	8.77E+04	1.17	1.01	1.05	3.02E+03	0.39
PCB-151/135 ...-HxCB	30.85	C	1.0959	1.0927	-5.9	9.83E+06	1.24	0.97	122	3.02E+03	0.407
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.0997	-5.8	5.88E+05	1.06	1.10	6.47	3.02E+03	0.359
PCB-144 22'345'6'-HxCB	31.31		1.1124	1.1092	-6.0	1.36E+06	1.21	1.00	16.5	3.02E+03	0.394

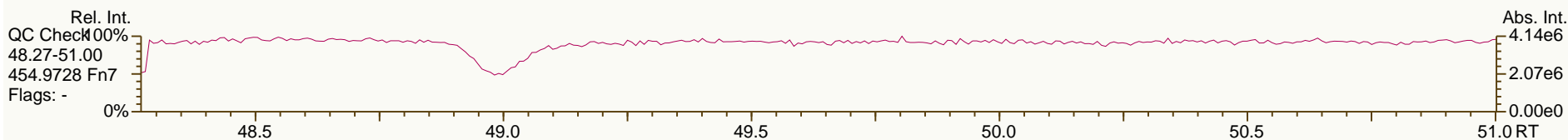
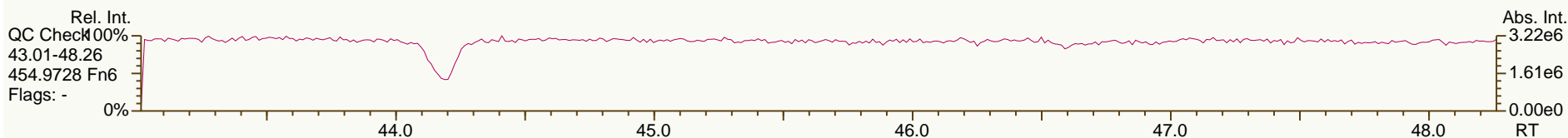
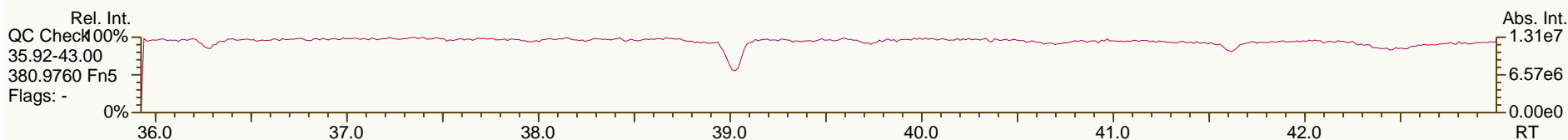
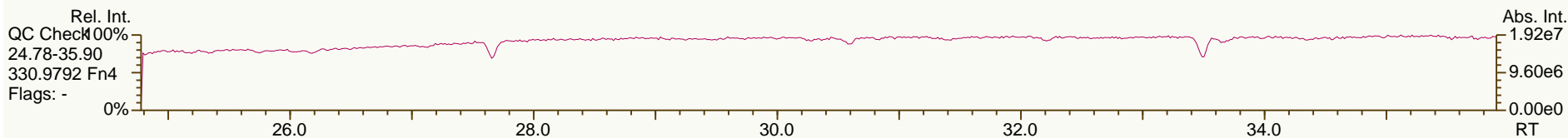
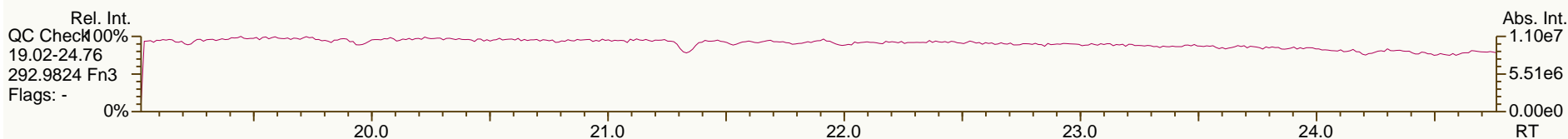
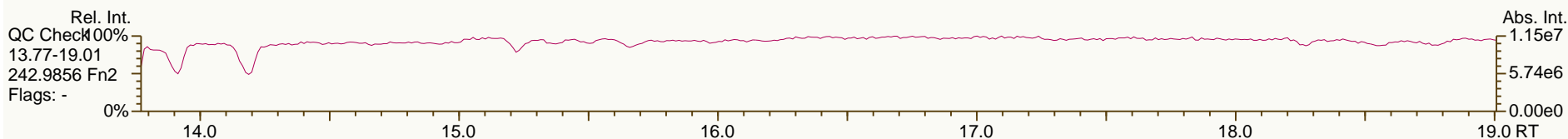
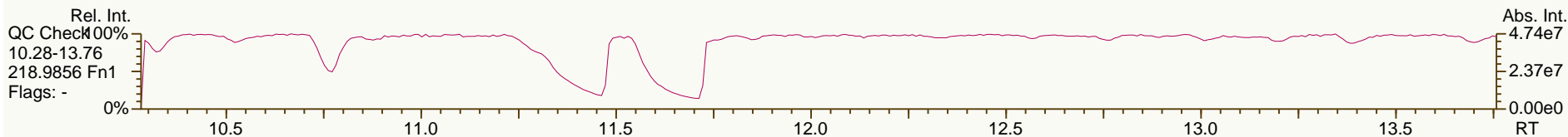
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.62	C	1.1231	1.1199	-6.1	2.53E+07	1.23	0.99	308	3.02E+03	0.398
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1263	-5.7	1.75E+06	1.19	0.82	25.9	3.02E+03	0.484
PCB-143 22'34'56"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	3.02E+03	0.407
PCB-139/140 ...-HxCB	32.12	C	1.1412	1.1378	-6.6	7.78E+05	1.14	1.01	9.33	3.02E+03	0.392
PCB-131 22'33'46"-HxCB	32.30		1.1475	1.1443	-6.2	3.93E+05	1.18	0.88	5.41	3.02E+03	0.449
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.02E+03	0.44
PCB-132 22'33'46"-HxCB	32.69		1.1613	1.1580	-6.5	1.04E+07	1.21	0.91	138	3.02E+03	0.435
PCB-133 22'33'55"-HxCB	33.10		1.1757	1.1724	-6.6	6.46E+05	1.20	0.93	8.45	3.02E+03	0.427
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.02E+03	0.358
PCB-146 22'34'55"-HxCB	33.65		0.9555	0.9555	0	6.01E+06	1.23	0.96	76.2	3.02E+03	0.414
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	3.02E+03	0.311
PCB-153/168 ...-HxCB	34.17	C	0.9709	0.9704	-1.0	3.66E+07	1.24	1.24	359	3.02E+03	0.32
PCB-141 22'34'55"-HxCB	34.34		0.9751	0.9752	+0.2	5.54E+06	1.23	0.95	70.4	3.02E+03	0.415
PCB-130 22'33'45"-HxCB	34.69		0.9850	0.9851	+0.2	2.49E+06	1.22	0.83	36.6	3.02E+03	0.48
PCB-137 22'34'4'5"-HxCB	34.88		0.9904	0.9904	0	1.93E+06	1.23	1.02	22.9	3.02E+03	0.387
PCB-164 233'4'5'6"-HxCB	34.97		0.9931	0.9931	0	3.23E+06	1.21	1.18	33.2	3.02E+03	0.336
PCB-163/138/129 ...-HxCB	35.24	C	1.0011	1.0007	-0.8	4.28E+07	1.24	0.96	541	3.02E+03	0.413
PCB-160 233'456"-HxCB	35.39		1.0045	1.0051	+1.3	6.61E+05	1.41	1.24	6.45	3.02E+03	0.318
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0100	-0.2	5.35E+06	1.22	1.29	50.2	3.02E+03	0.307
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9620	+1.1	5.50E+06	1.25	0.97	79.3	4.66E+03	0.789
PCB-159 233'455"-HxCB	37.11	B	0.9832	0.9828	-0.9	2.18E+05	1.39	1.11	2.74	4.66E+03	0.689
PCB-162 233'4'55"-HxCB	37.37		0.9896	0.9898	+0.4	1.26E+05	1.41	1.08	1.62	4.66E+03	0.703
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	2.19E+03	0.229
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0095	0	3.29E+06	1.05	0.92	33.9	2.19E+03	0.244
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	2.19E+03	0.245
PCB-176 22'33'466"-HpCB	34.07		1.0322	1.0322	0	9.78E+05	1.08	1.01	9.16	2.19E+03	0.222
PCB-186 22'34'566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	2.19E+03	0.233
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0788	+0.2	1.50E+06	1.02	0.72	19.9	2.19E+03	0.314
PCB-175 22'33'45'6"-HpCB	36.15		1.0951	1.0952	+0.2	2.17E+05	0.93	1.01	3.15	4.82E+03	0.797
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1021	+0.2	7.90E+06	1.05	1.09	106	4.82E+03	0.741
PCB-182 22'34'4'56"-HpCB	36.54	J	1.1073	1.1069	-0.9	7.23E+04	1.14	1.11	0.956	4.82E+03	0.727
PCB-183 22'34'4'5'6"-HpCB	36.90		1.1177	1.1178	+0.2	3.47E+06	1.10	1.05	48.4	4.82E+03	0.766
PCB-185 22'34'55'6"-HpCB	36.99		1.1202	1.1206	+0.9	4.00E+05	1.18	1.05	5.6	4.82E+03	0.77
PCB-174 22'33'456"-HpCB	37.10	B	1.1240	1.1241	+0.2	4.80E+06	1.03	0.93	75.4	4.82E+03	0.864
PCB-177 22'33'45'6"-HpCB	37.48		1.1354	1.1353	-0.2	3.38E+06	1.05	0.92	54	4.82E+03	0.878
PCB-181 22'34'4'56"-HpCB	37.80	J	1.1454	1.1453	-0.2	7.89E+04	0.96	1.03	1.13	4.82E+03	0.786
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1515	+0.7	1.62E+06	1.06	0.91	26.1	4.82E+03	0.887
PCB-172 22'33'455"-HpCB	39.37	B	0.9027	0.9028	+0.2	8.78E+05	1.05	0.89	14.5	4.82E+03	0.908
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.82E+03	0.716
PCB-180/193 ...-HpCB	39.93	B C	0.9147	0.9155	+1.9	1.25E+07	1.03	1.07	171	4.82E+03	0.755
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9221	-0.2	3.52E+05	1.00	1.16	4.44	4.82E+03	0.695
PCB-170 22'33'44'5"-HpCB	41.01	B	0.9401	0.9403	+0.5	4.84E+06	1.02	0.99	86.2	4.82E+03	0.935
PCB-190 233'44'56"-HpCB	41.45	B	0.9503	0.9504	+0.2	1.15E+06	1.07	1.27	16.1	4.82E+03	0.733
PCB-202 22'33'55'66"-OoCB	37.58		1.0006	1.0006	0	9.67E+05	0.90	0.86	13.2	3.33E+03	0.511
PCB-201 22'33'45'66"-OoCB	38.36		1.0214	1.0214	0	4.95E+05	0.88	0.95	6.17	3.33E+03	0.466

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.33E+03	0.495
PCB-197 22'33'44'66'-OcCB	39.12		1.0417	1.0417	0	1.26E+05	0.99	0.93	1.6	3.33E+03	0.477
PCB-200 22'33'4566'-OcCB	39.22	B	1.0444	1.0444	0	3.78E+05	0.90	0.92	4.87	3.33E+03	0.481
PCB-198/199 ...-OcCB	41.59	B C	1.1066	1.1074	+2.0	2.60E+06	0.93	0.64	48	3.33E+03	0.69
PCB-196 22'33'44'56'-OcCB	42.14	B	1.1220	1.1221	+0.3	1.16E+06	0.87	0.66	20.9	3.33E+03	0.673
PCB-203 22'344'55'6-OcCB	42.31	B	1.1263	1.1265	+0.5	1.81E+06	0.92	0.68	31.5	3.33E+03	0.649
PCB-195 22'33'44'56-OcCB	43.44	B	0.9489	0.9487	-0.5	6.45E+05	0.85	0.89	16.9	3.87E+03	1.14
PCB-194 22'33'44'55'-OcCB	45.40	B	0.9918	0.9917	-0.3	1.83E+06	0.92	0.92	46.2	3.87E+03	1.1
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0004	0	1.06E+05	0.97	1.13	2.19	3.87E+03	0.894
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	5.56E+05	0.77	1.03	8.95	4.26E+03	0.819
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0186	-0.3	2.20E+05	0.83	1.00	3.66	4.26E+03	0.85
PCB-206 22'33'44'55'6-NoCB	47.27		1.0004	1.0004	0	1.25E+06	0.76	0.97	31.3	4.26E+03	1.31

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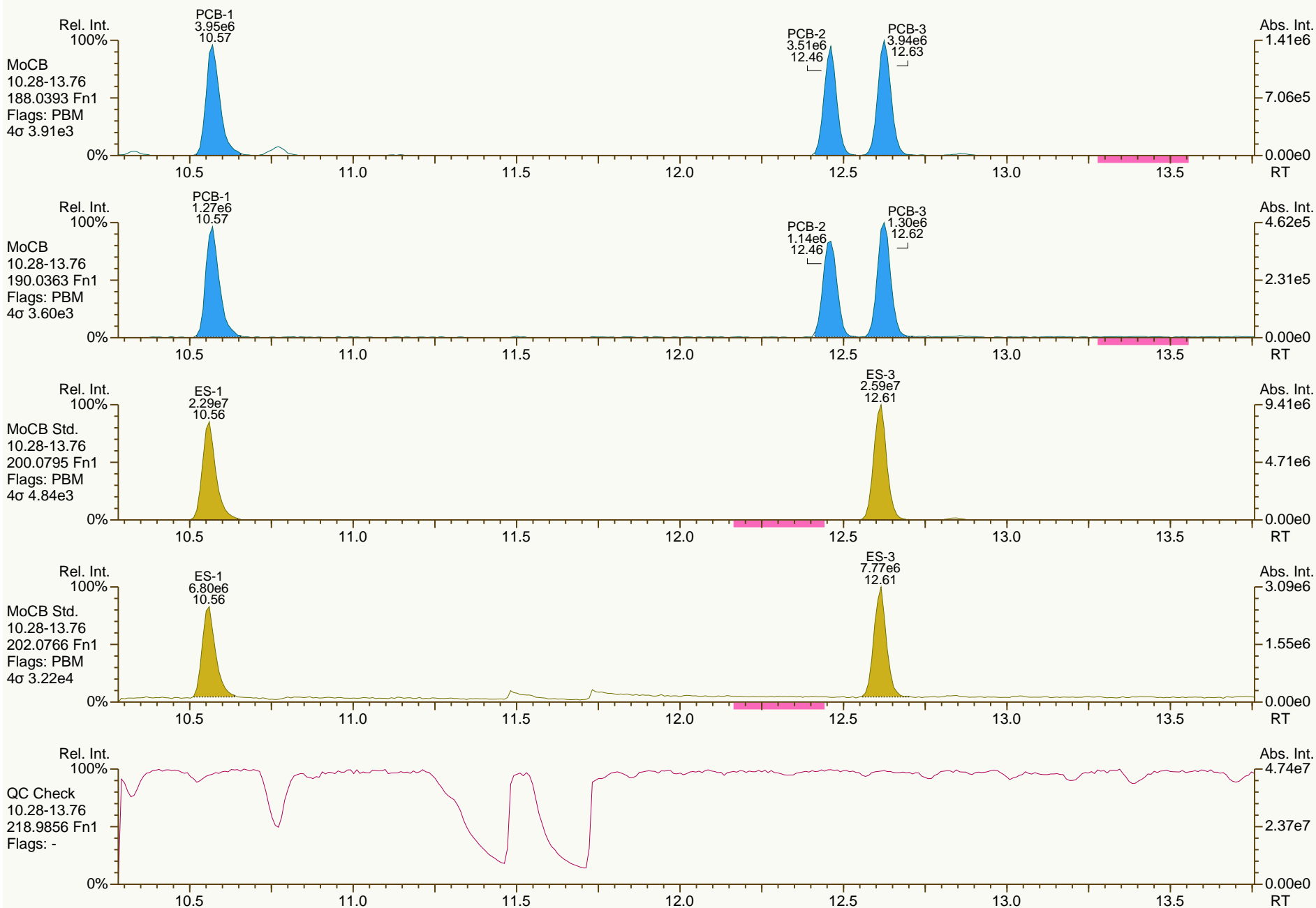
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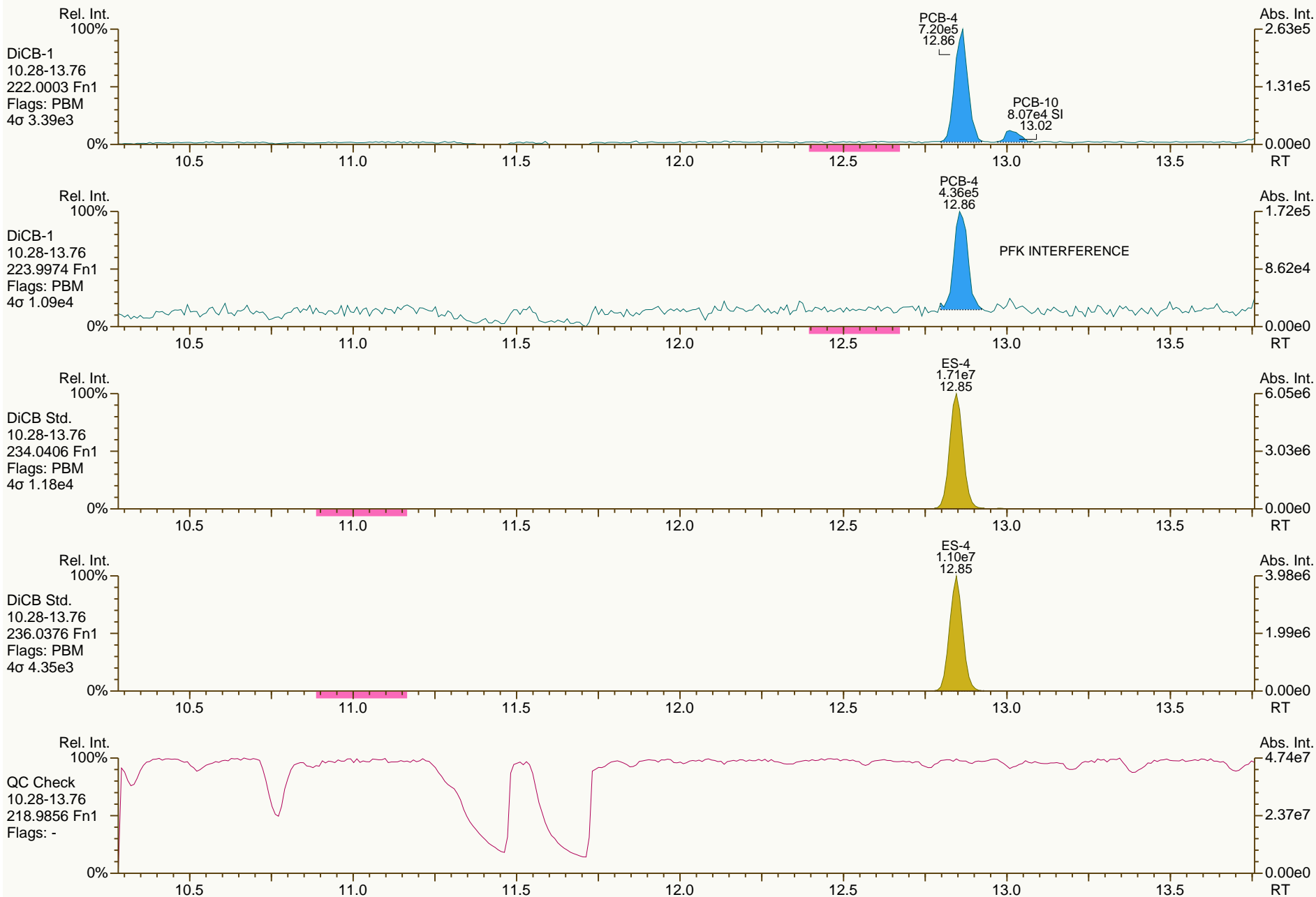
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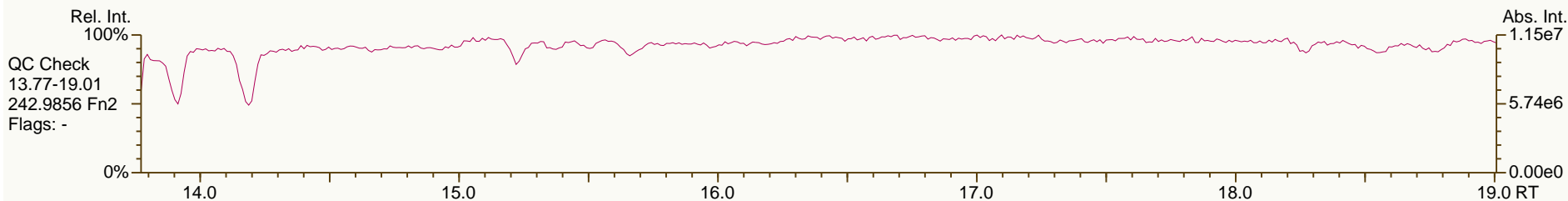
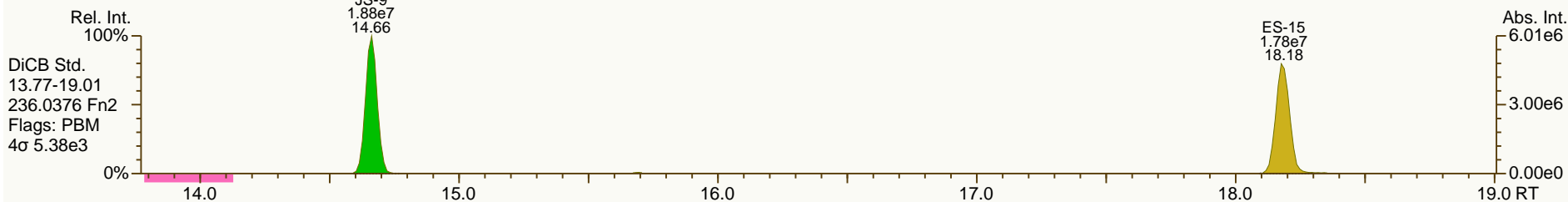
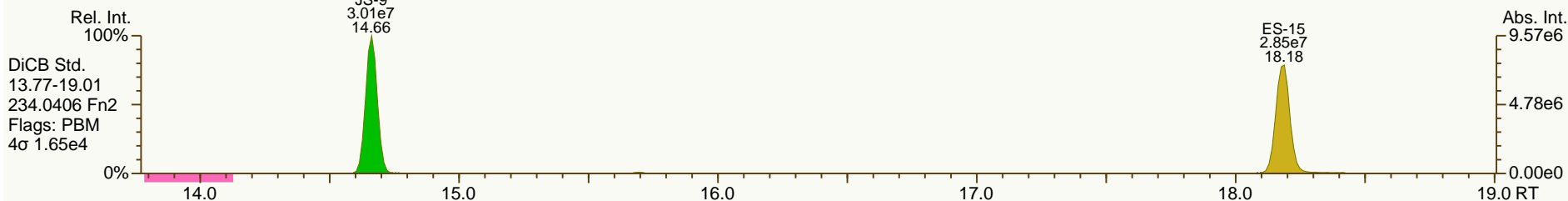
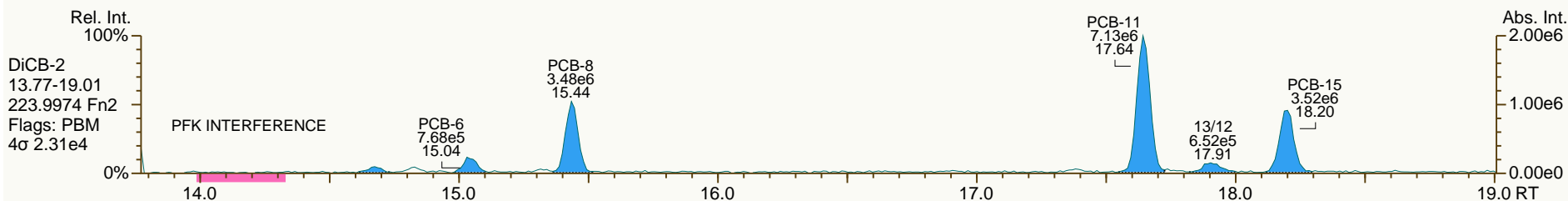
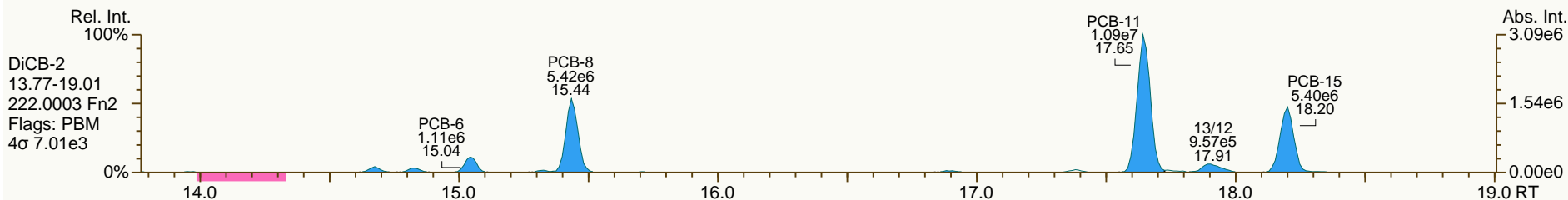
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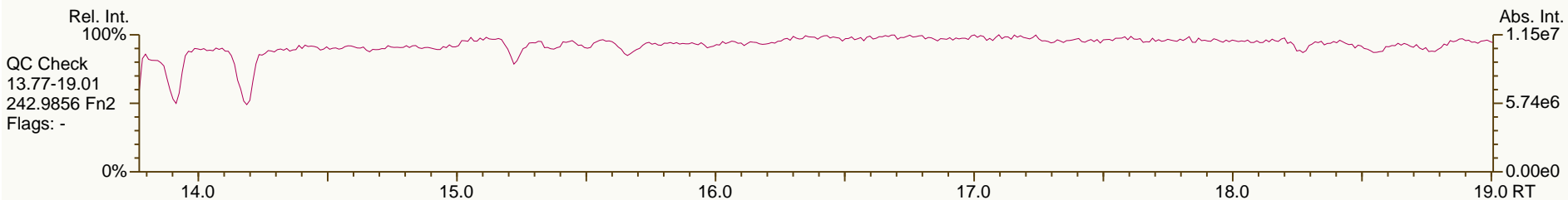
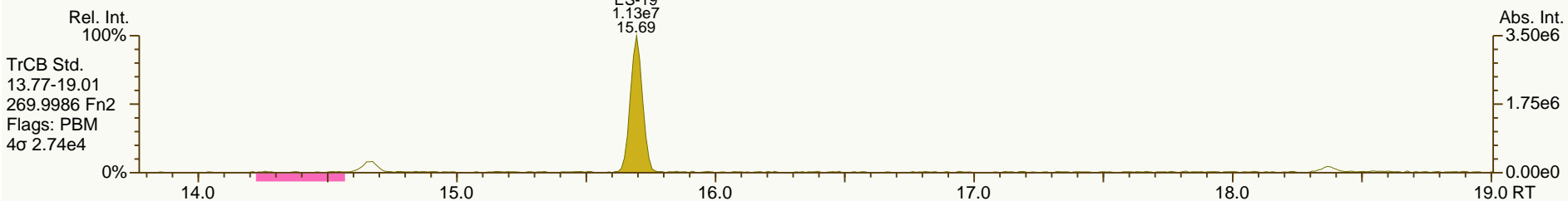
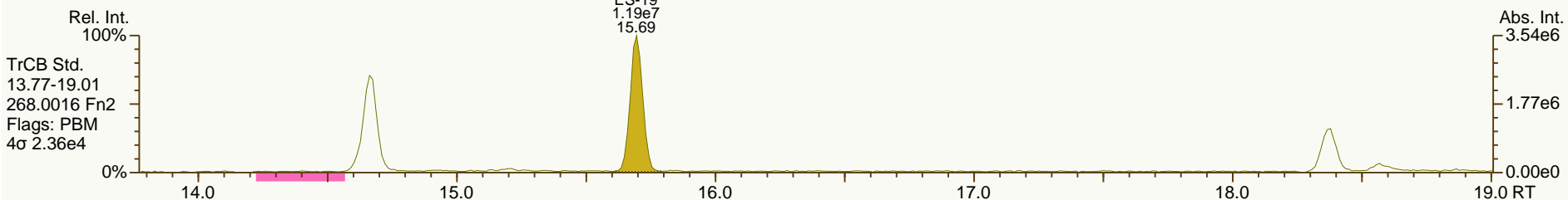
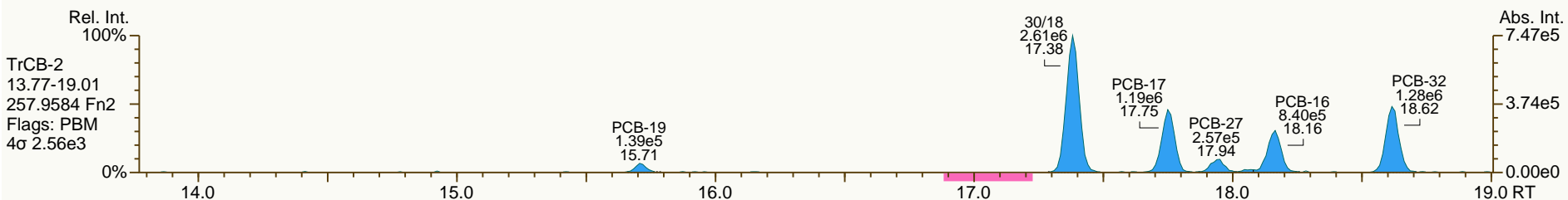
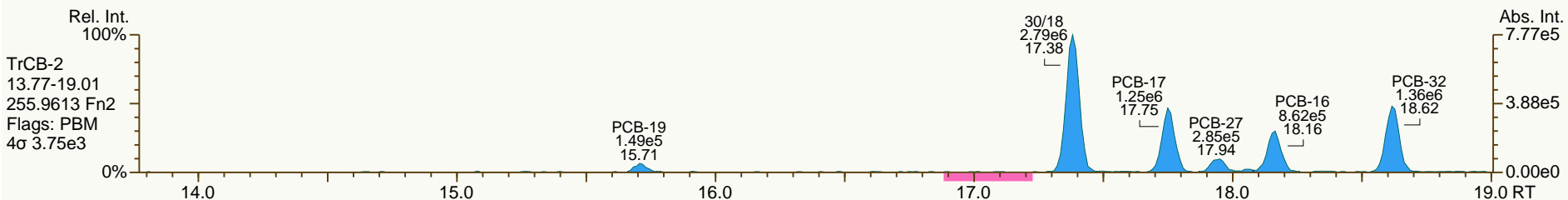
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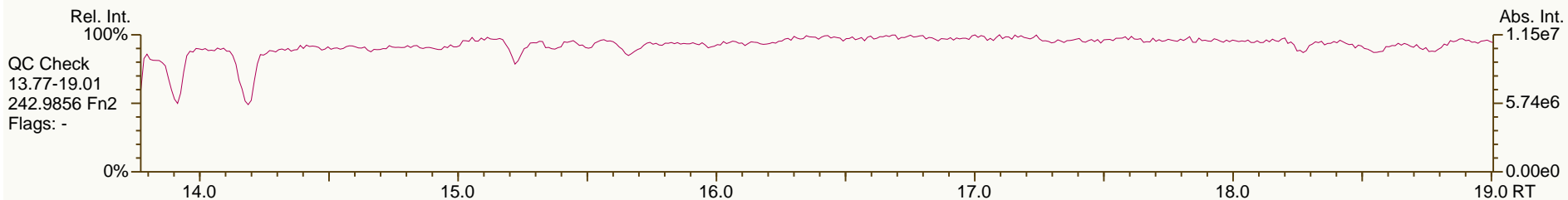
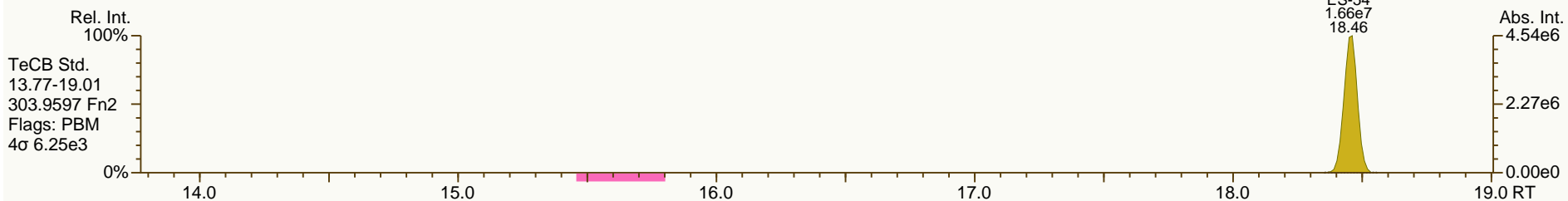
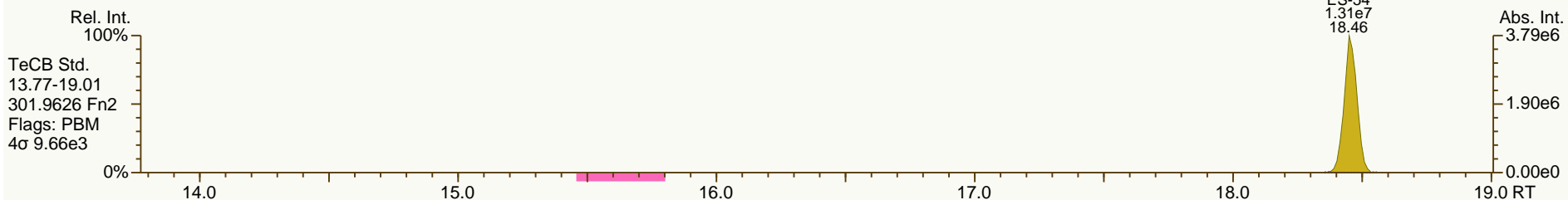
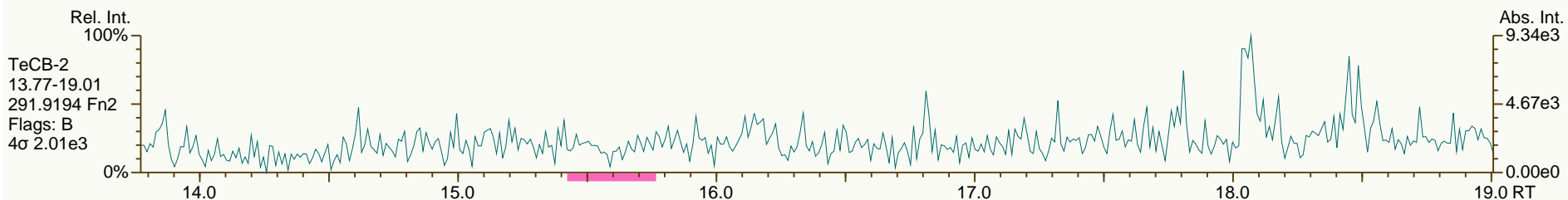
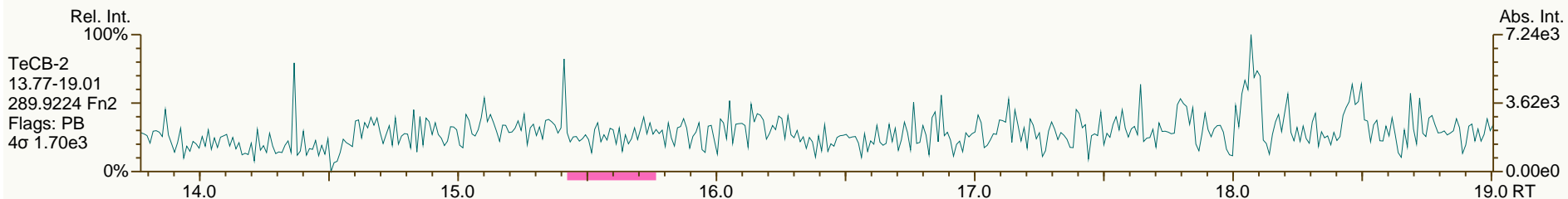
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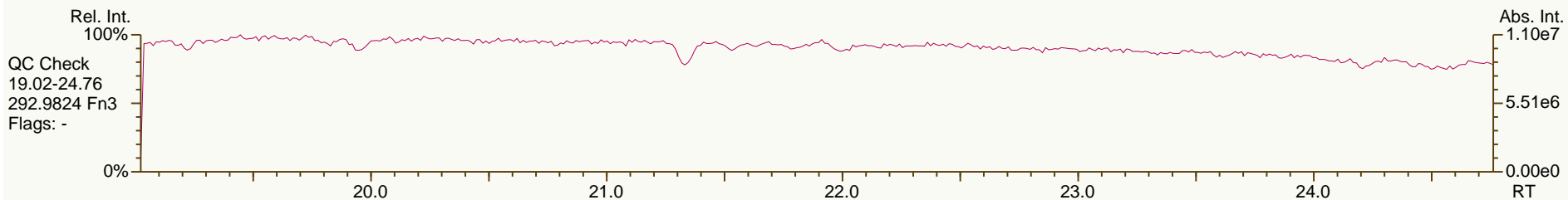
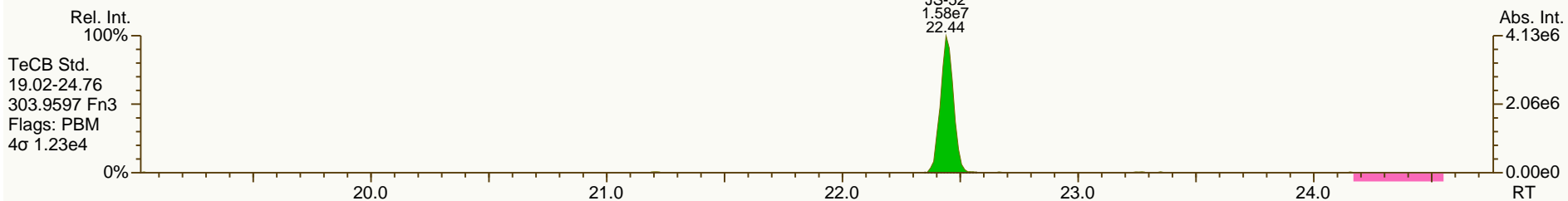
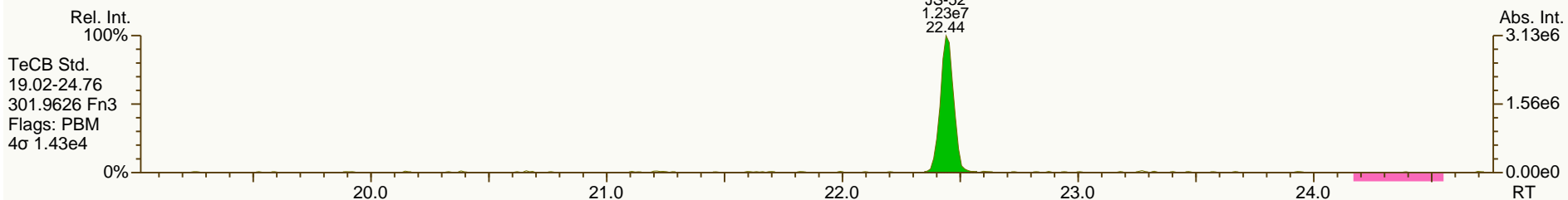
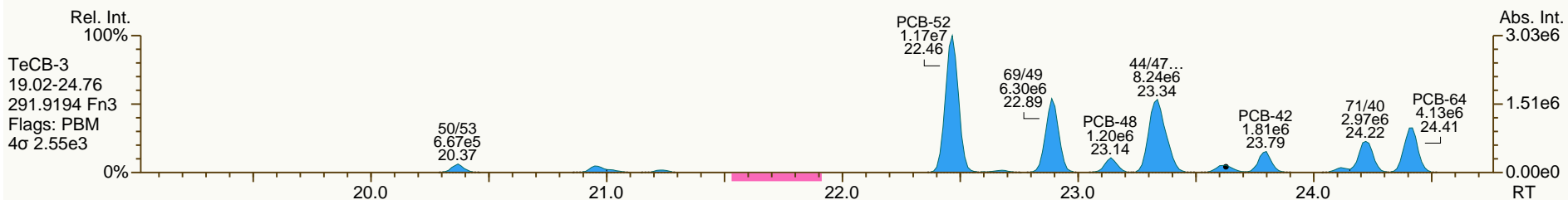
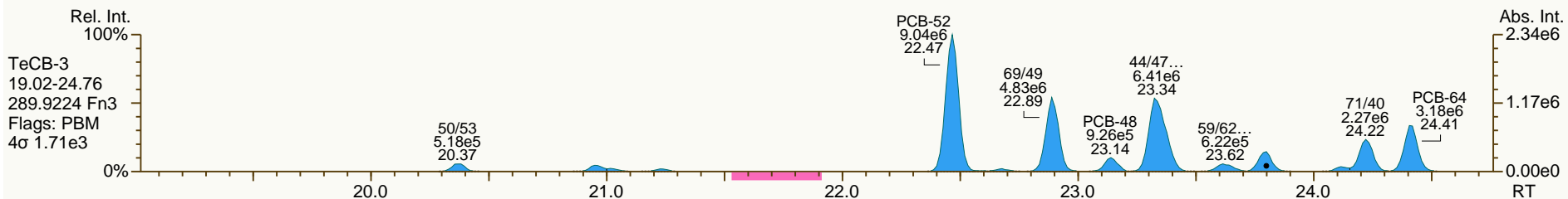
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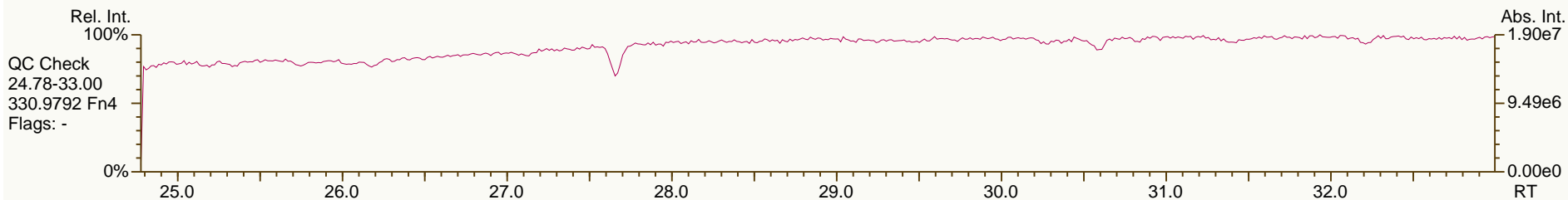
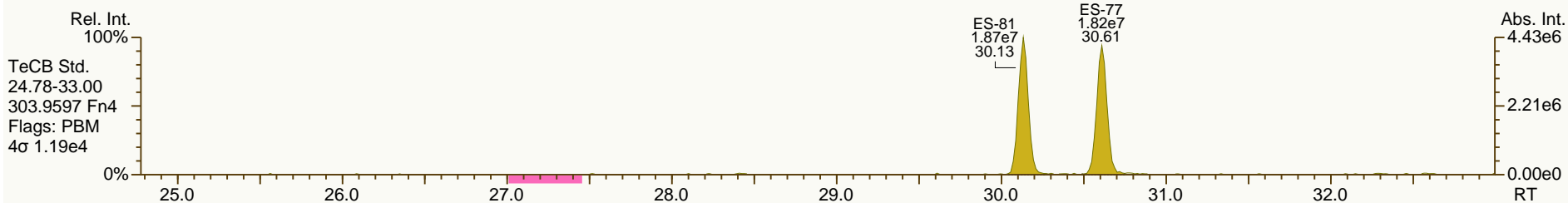
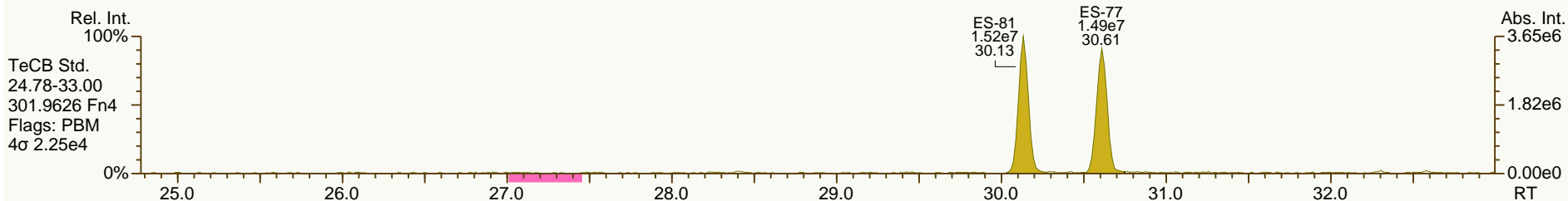
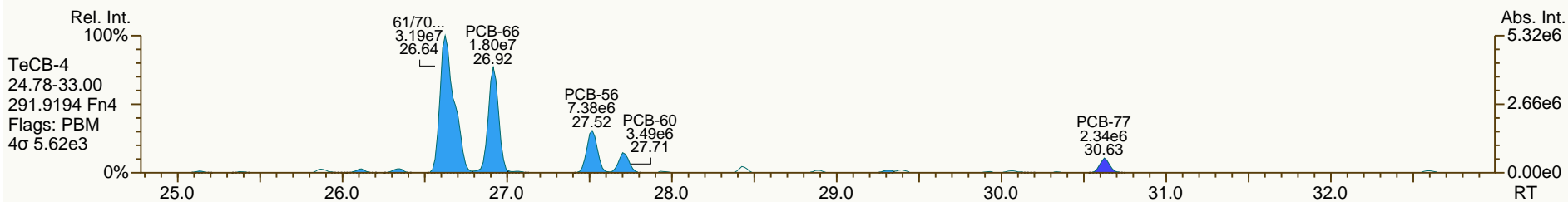
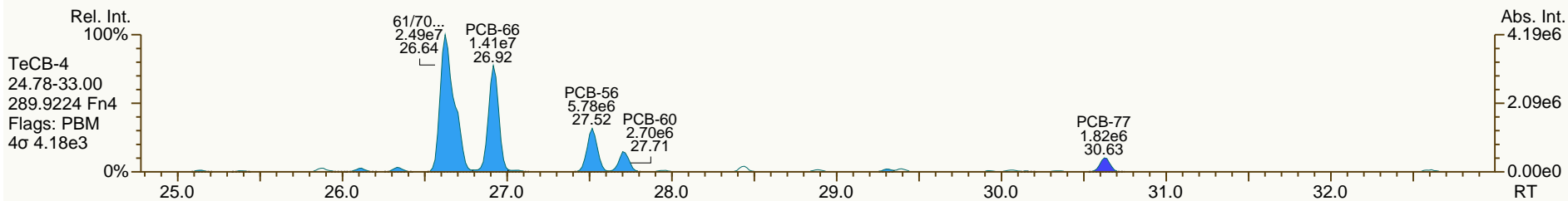
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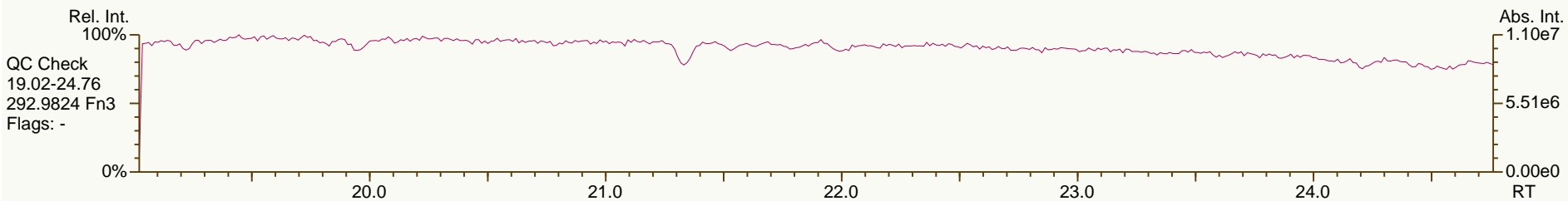
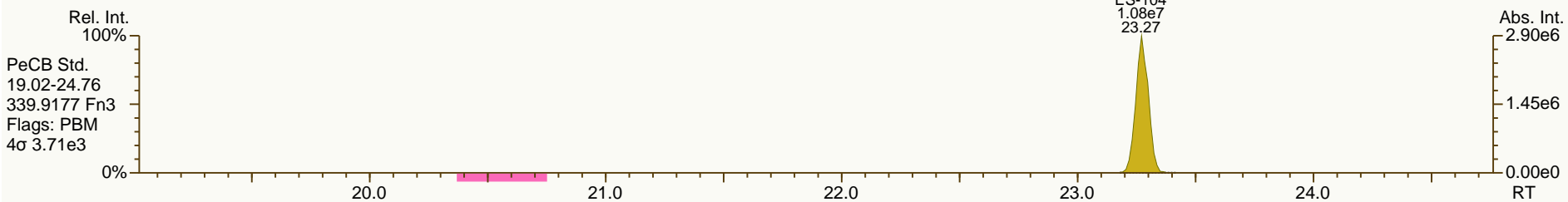
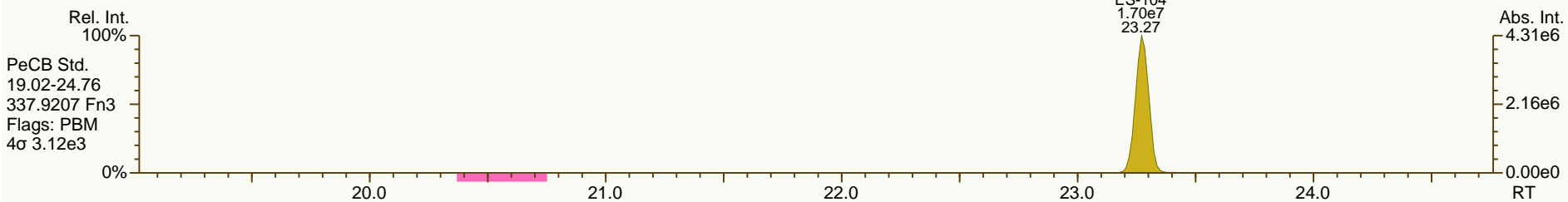
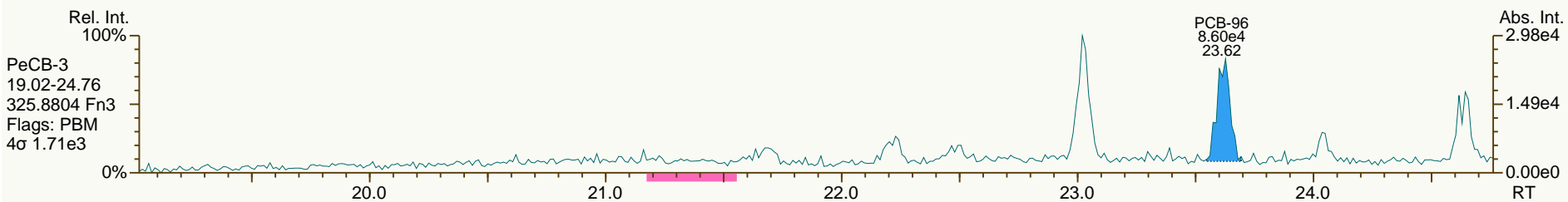
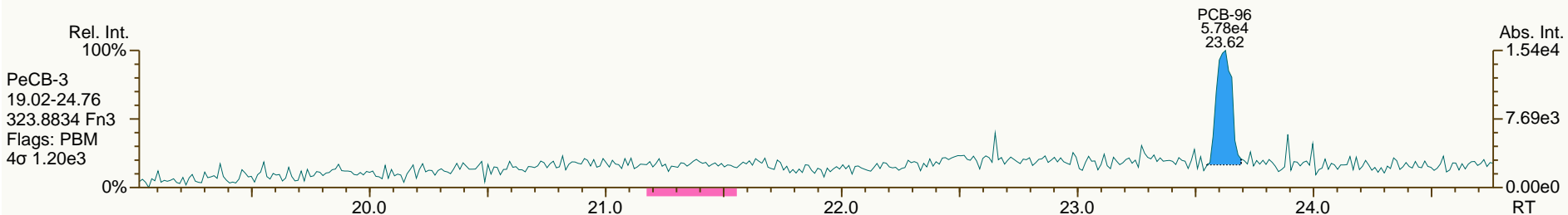
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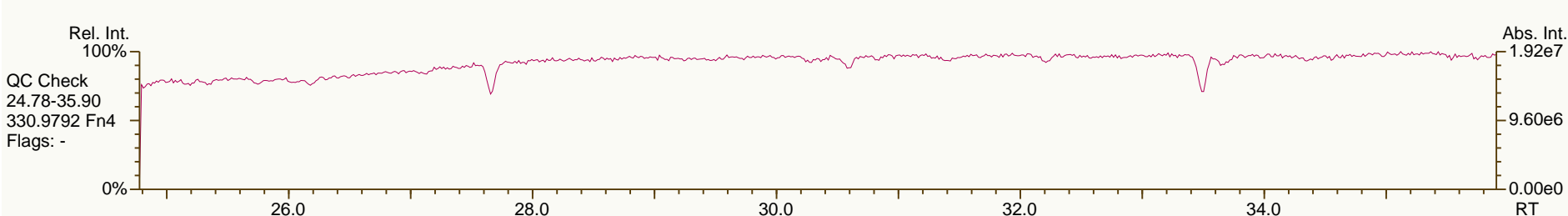
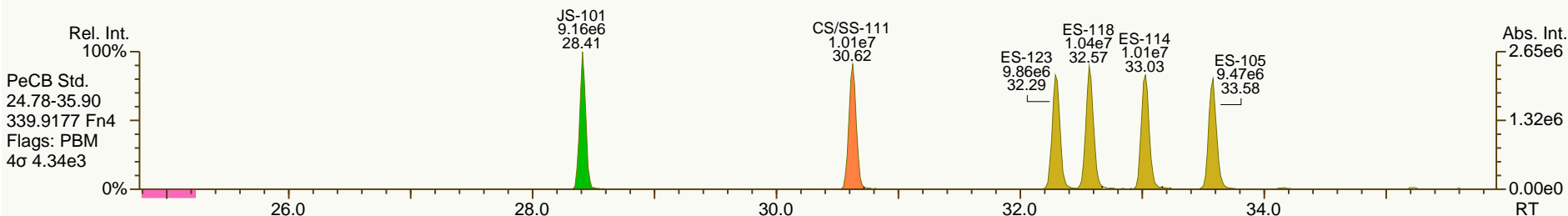
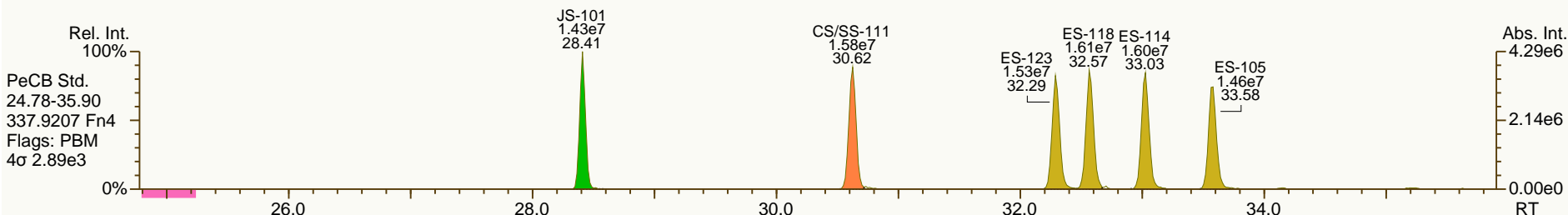
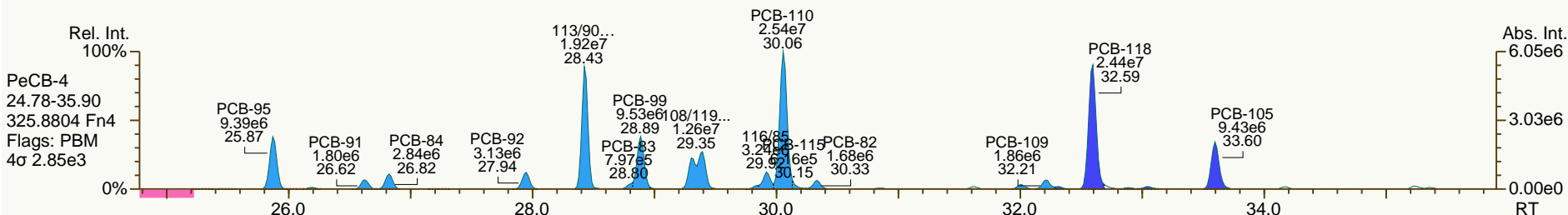
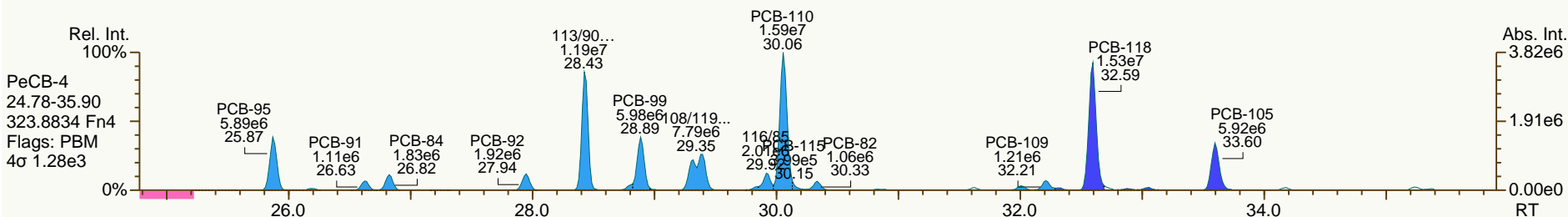
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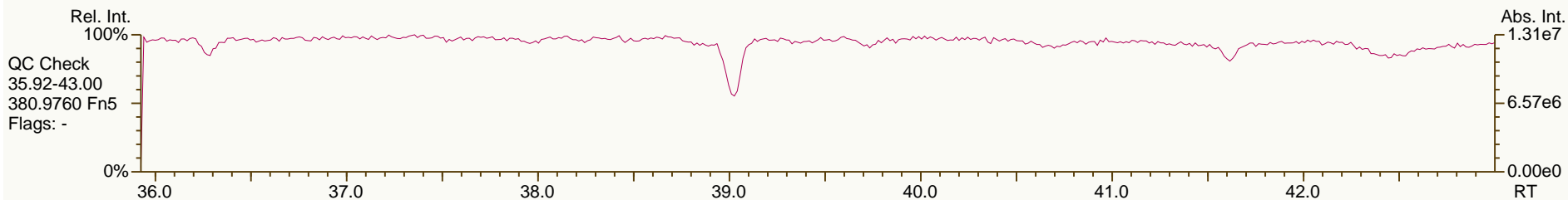
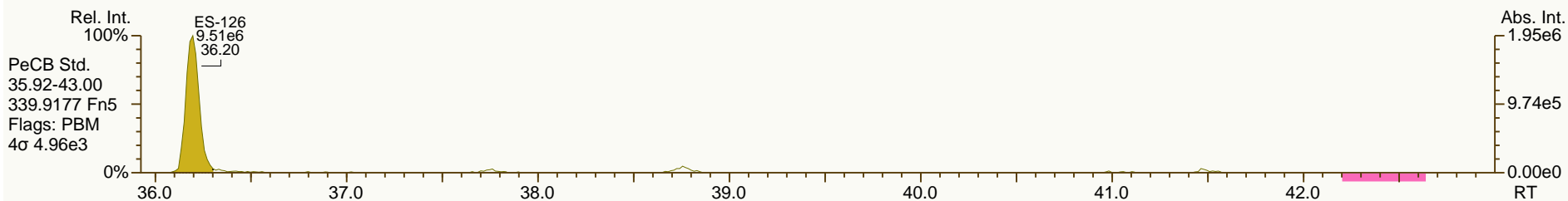
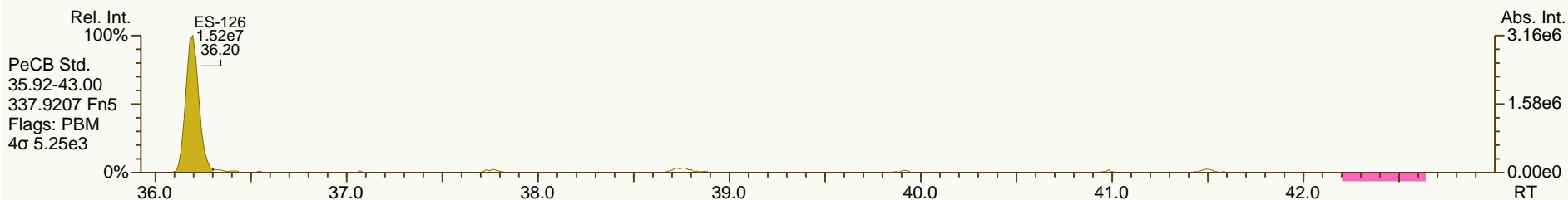
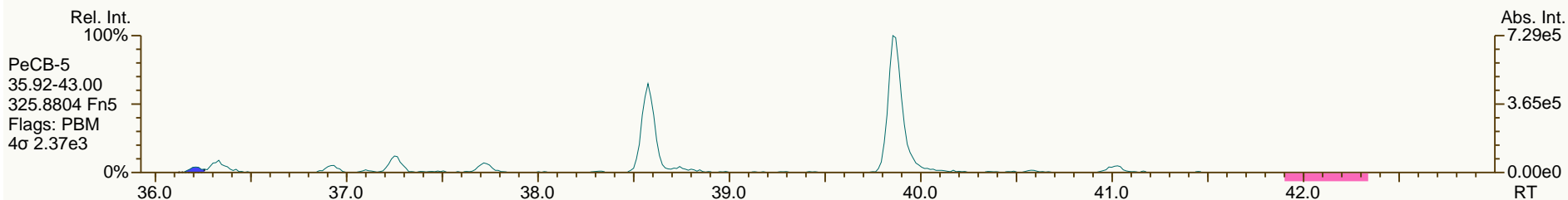
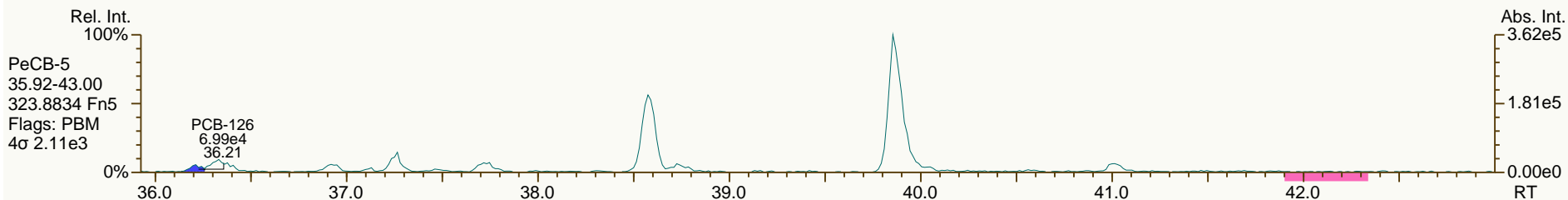
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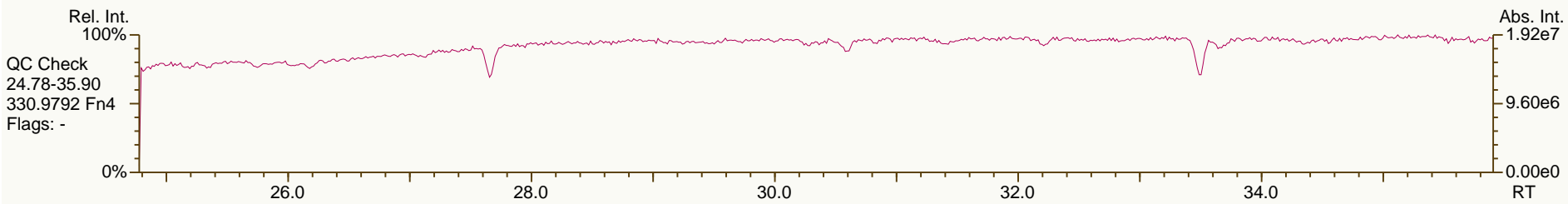
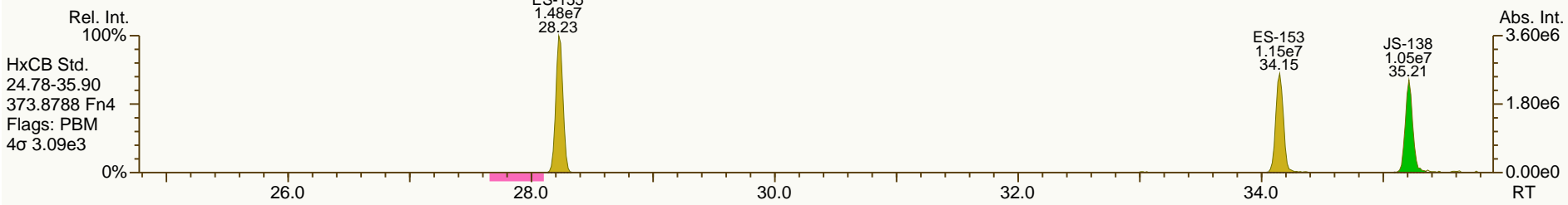
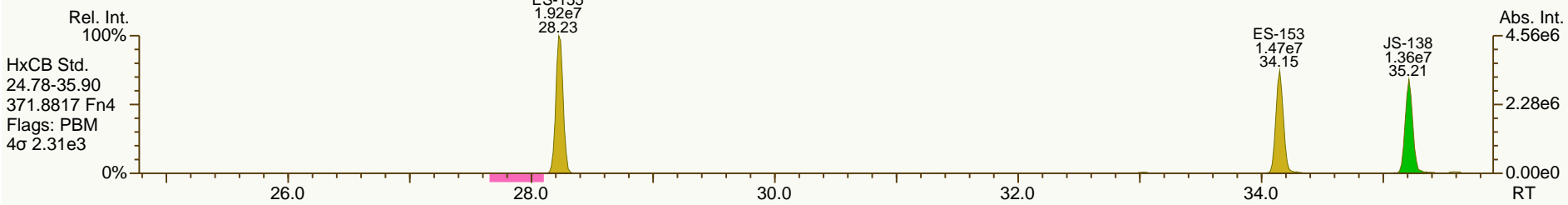
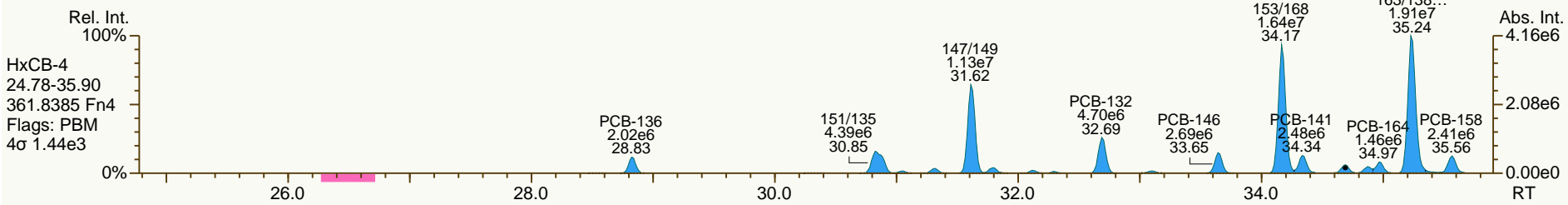
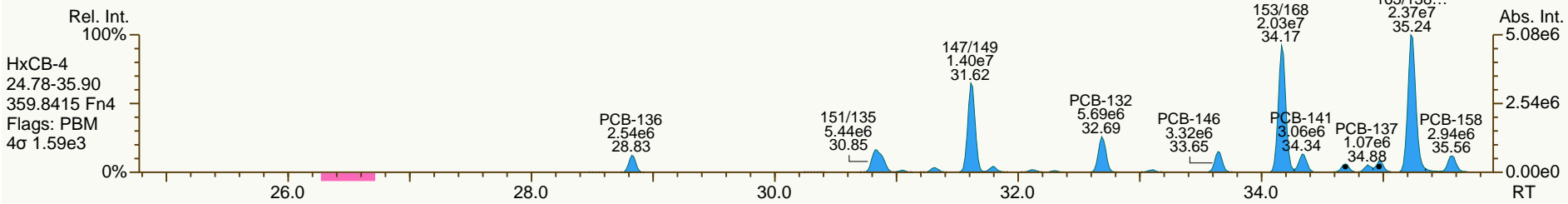
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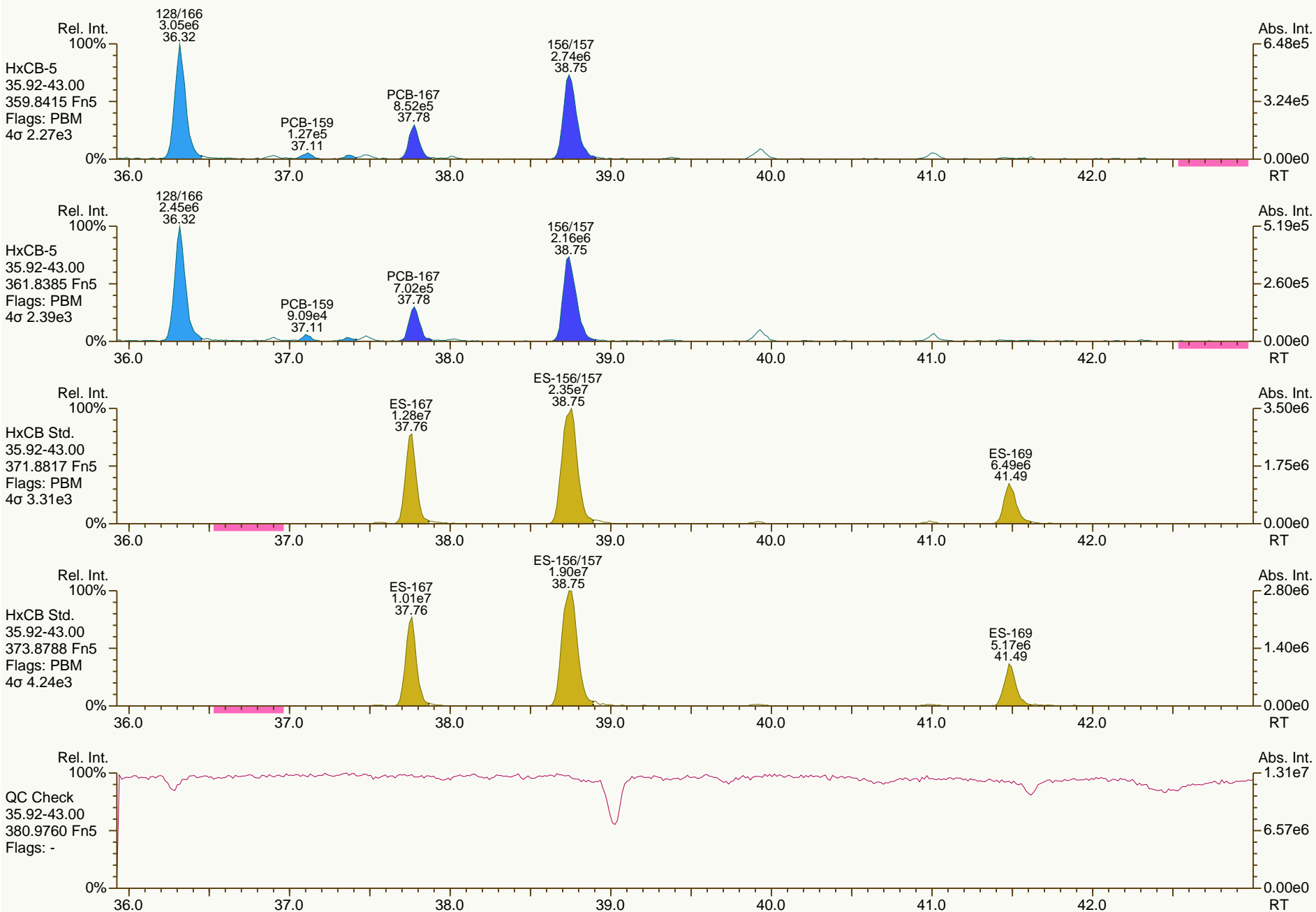
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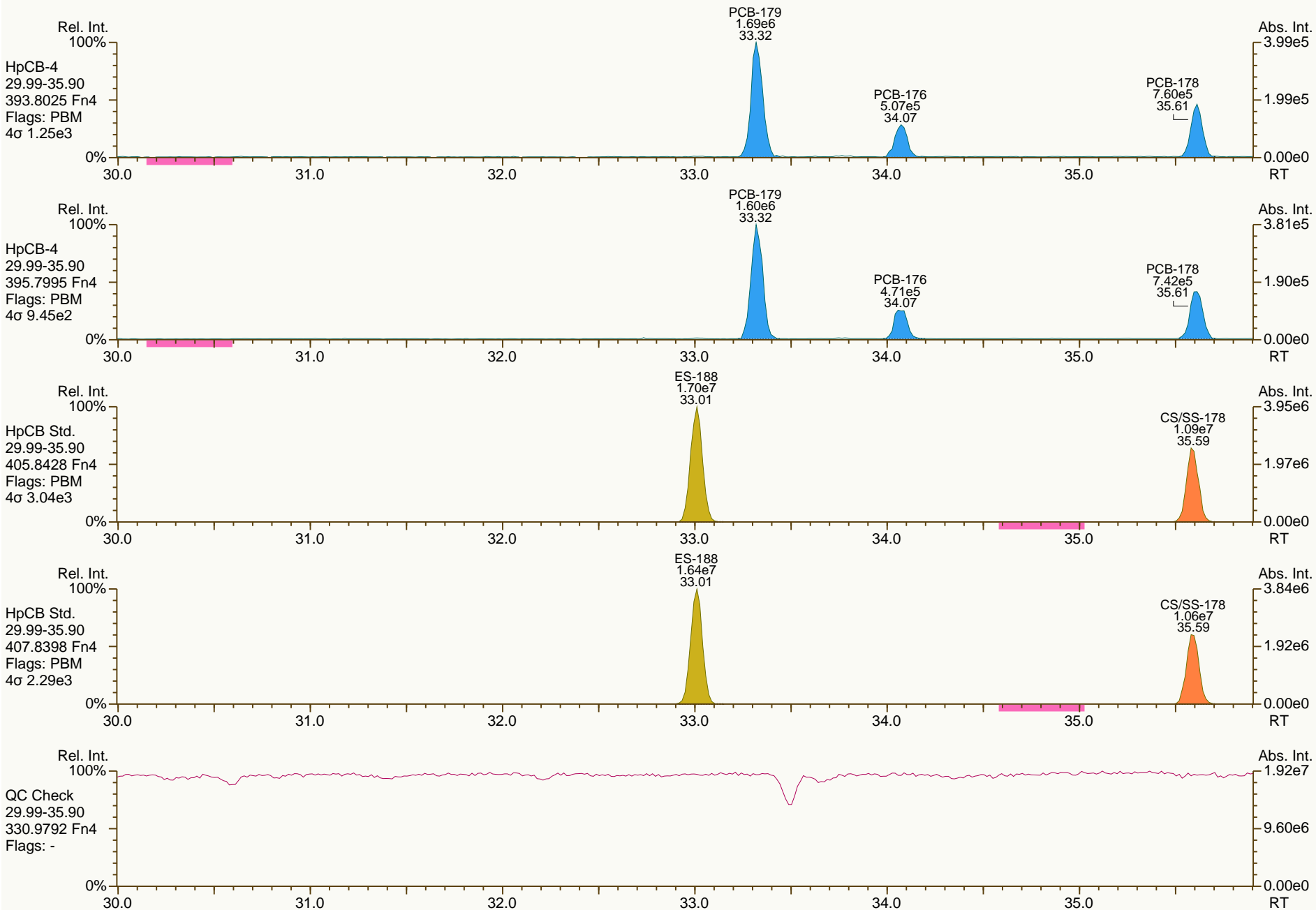
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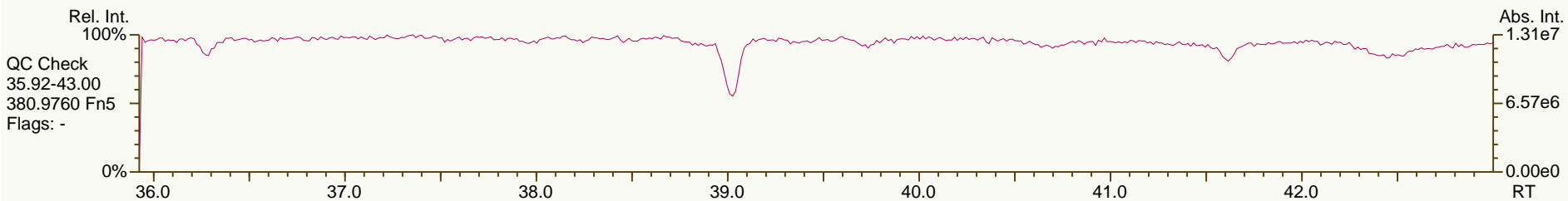
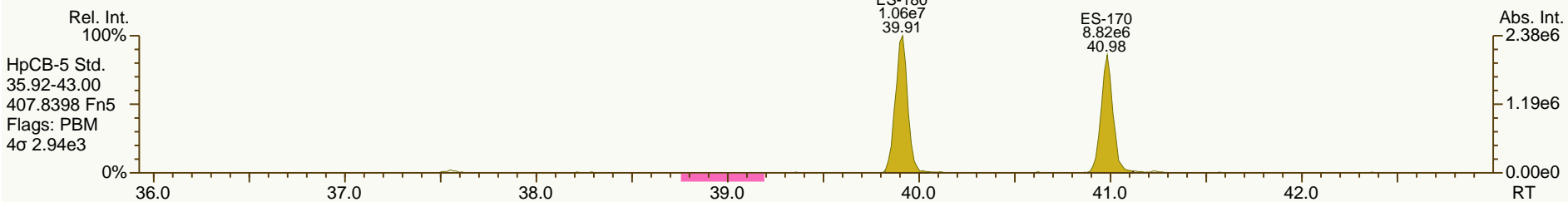
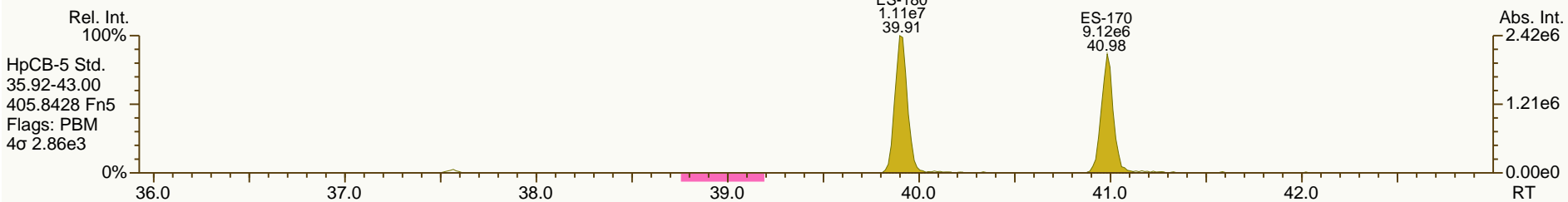
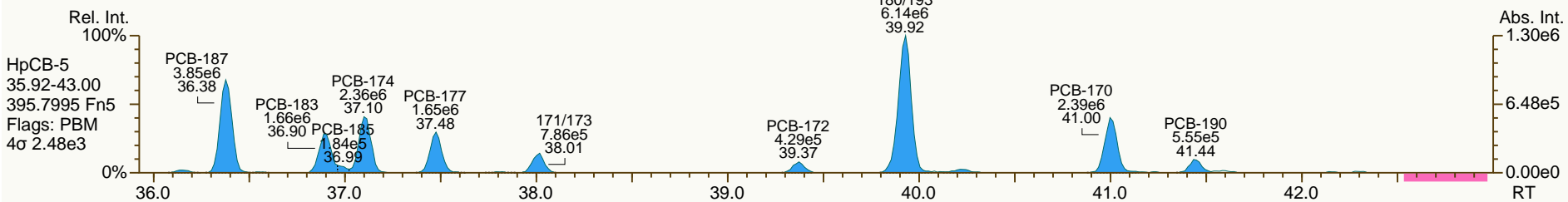
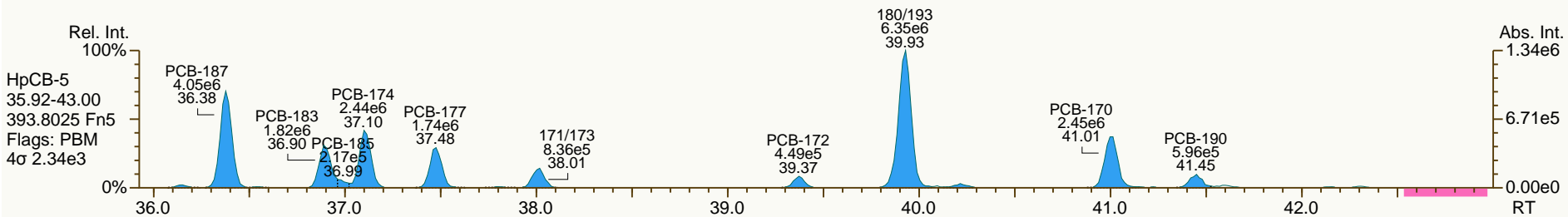
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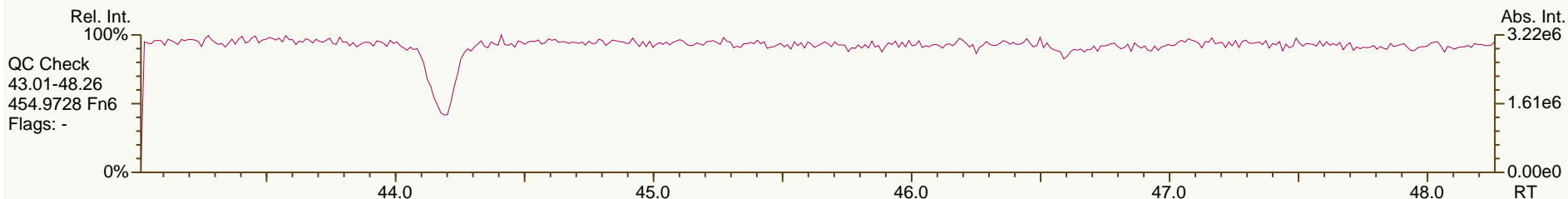
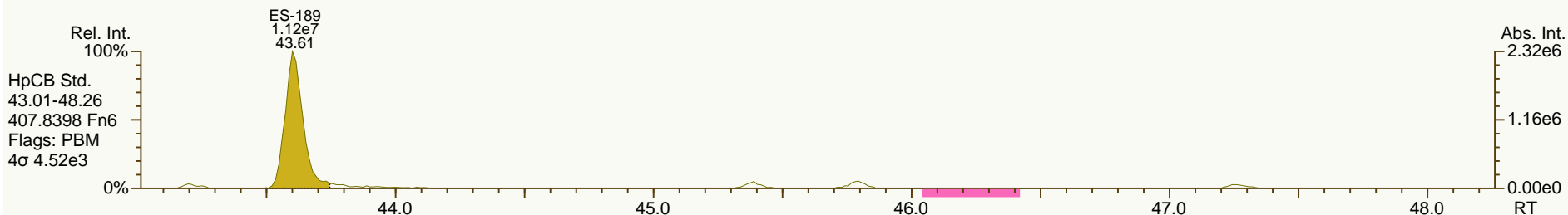
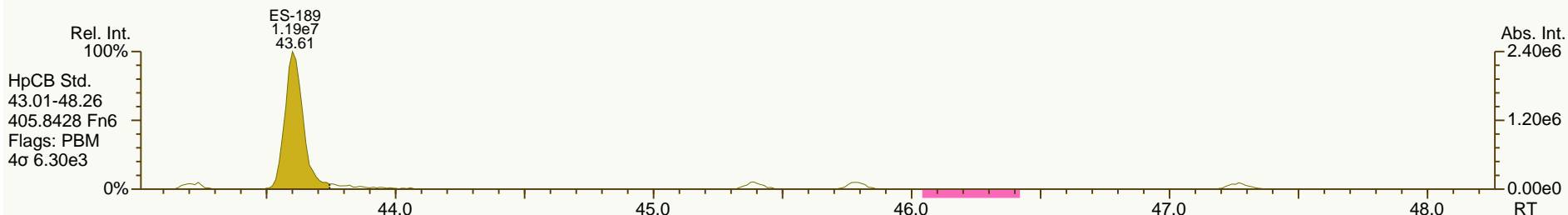
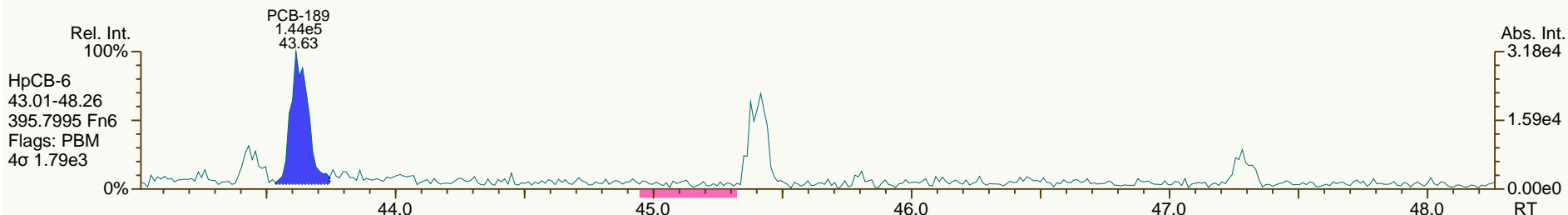
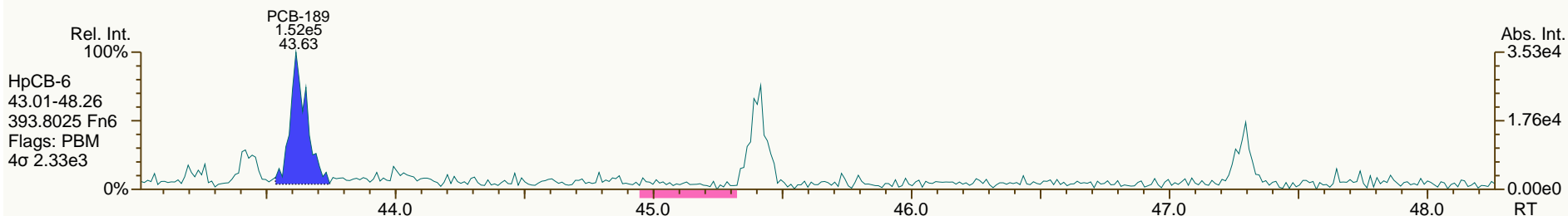
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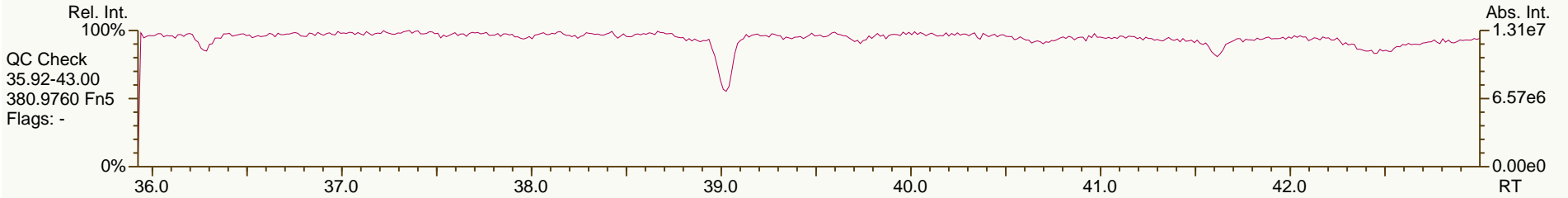
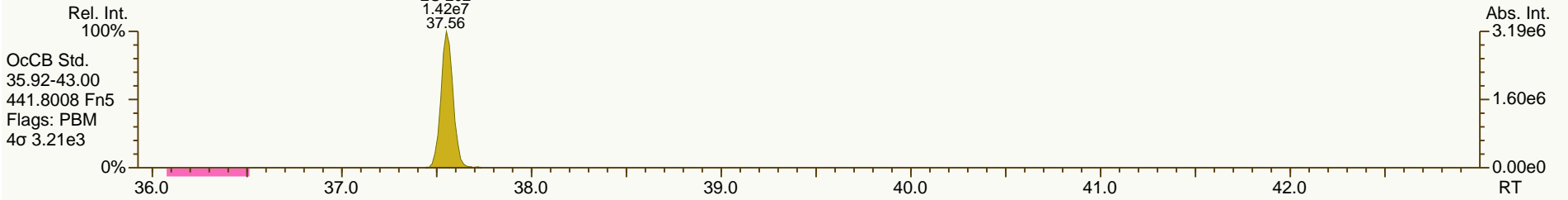
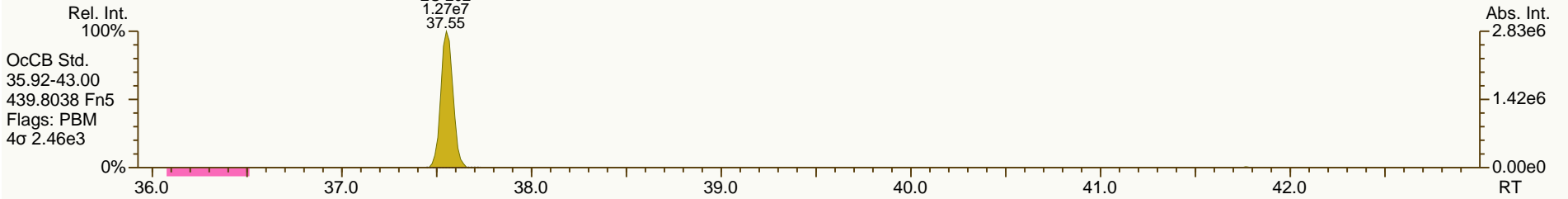
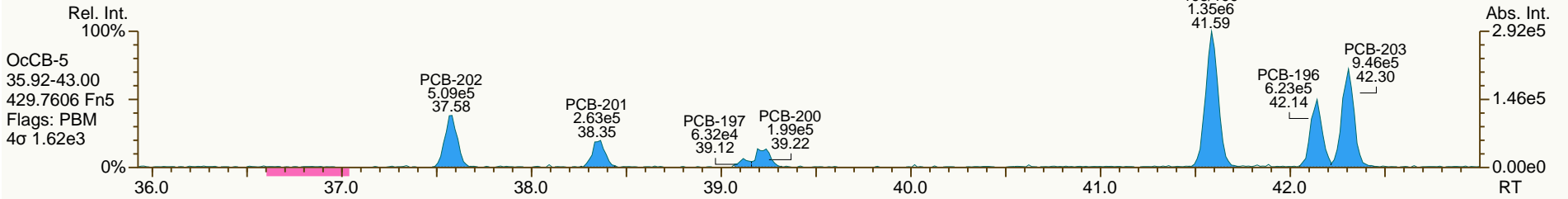
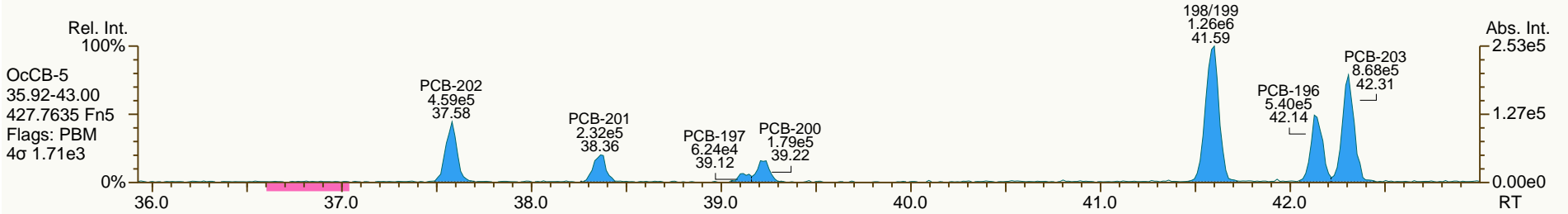
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SGS-AP ID: A5698_11123_PCB_004
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

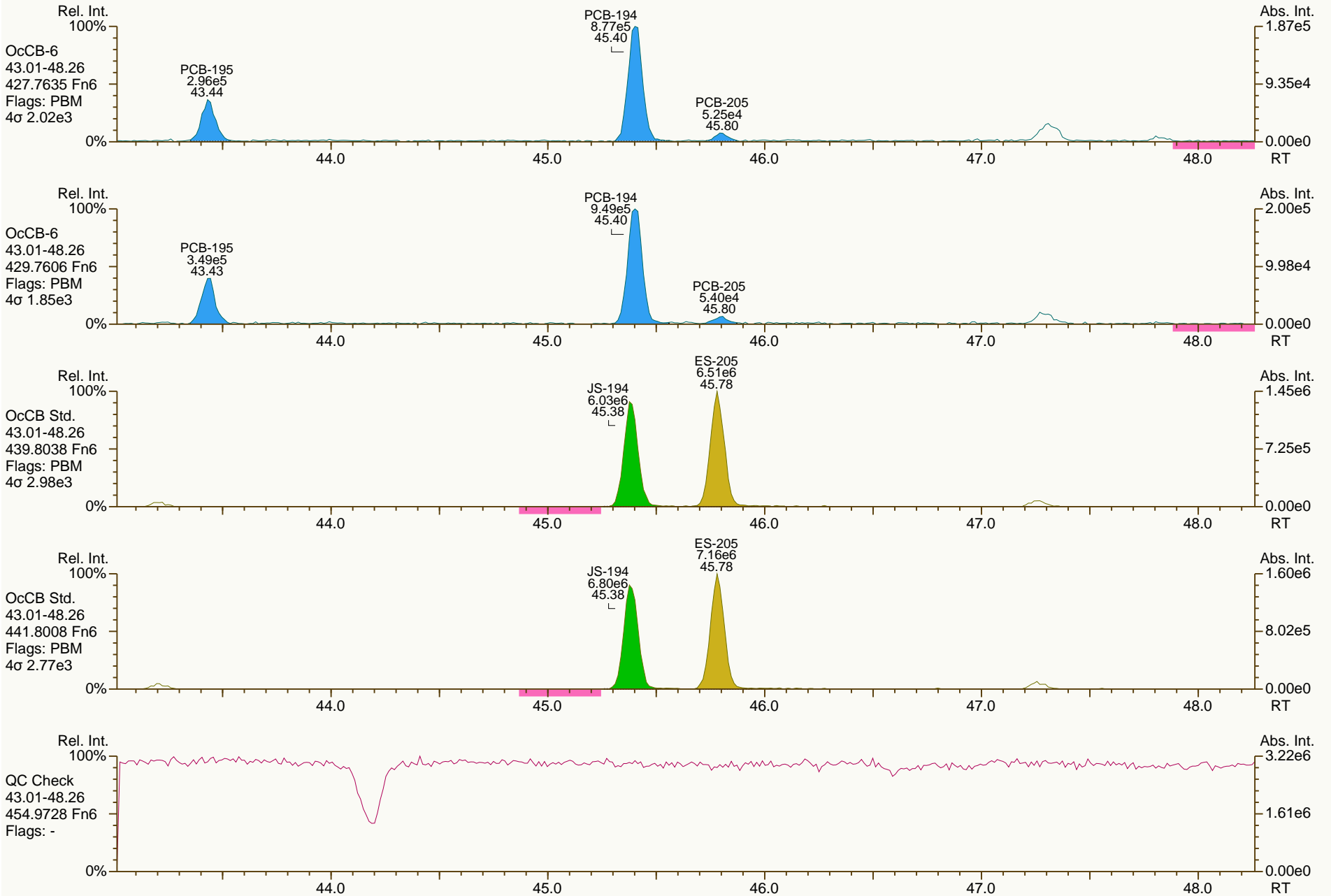
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SGS-AP ID: A5698_11123_PCB_004
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Sample ID: JW-SS-211-130429
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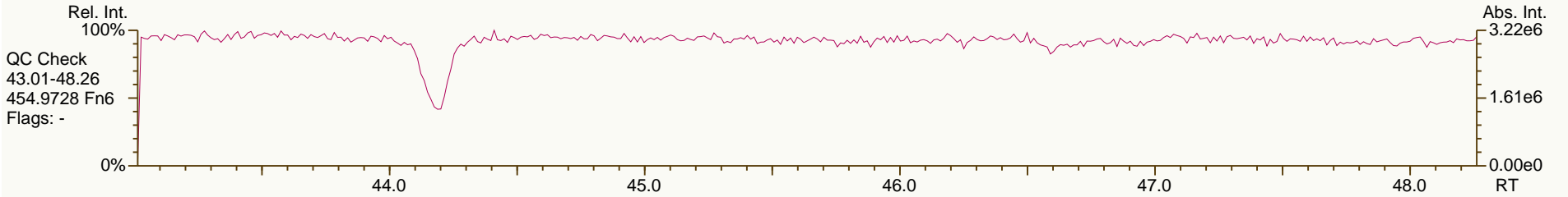
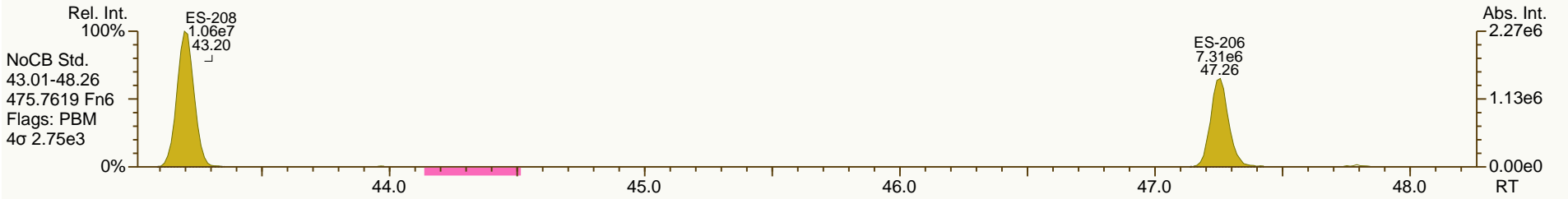
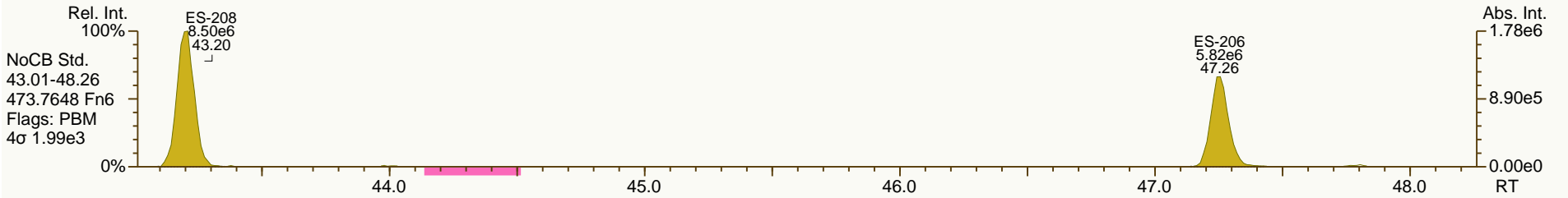
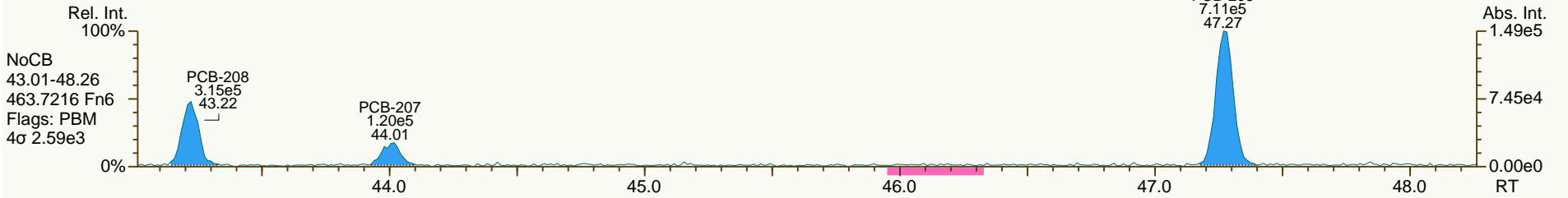
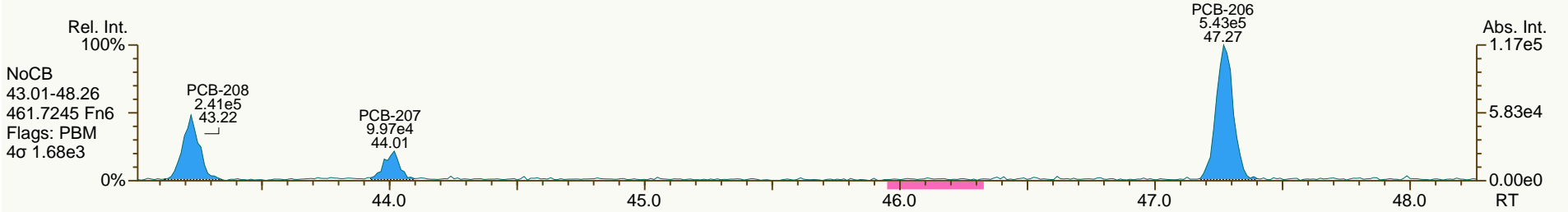
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SGS-AP ID: A5698_11123_PCB_004
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

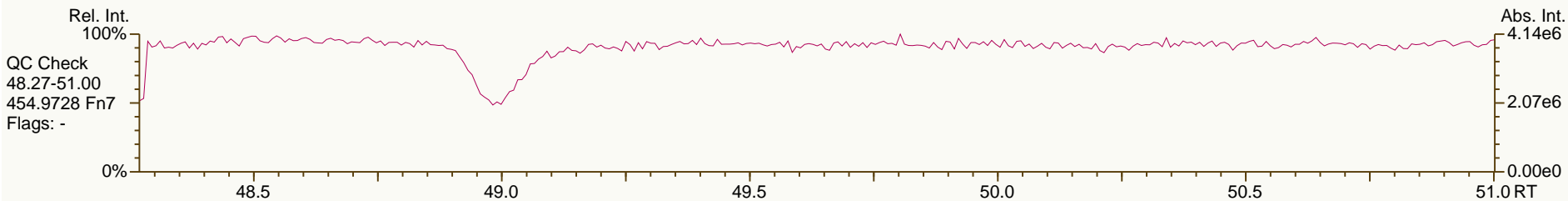
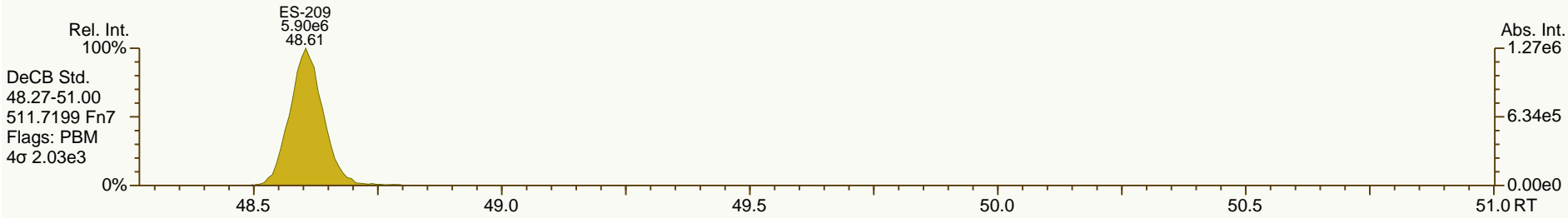
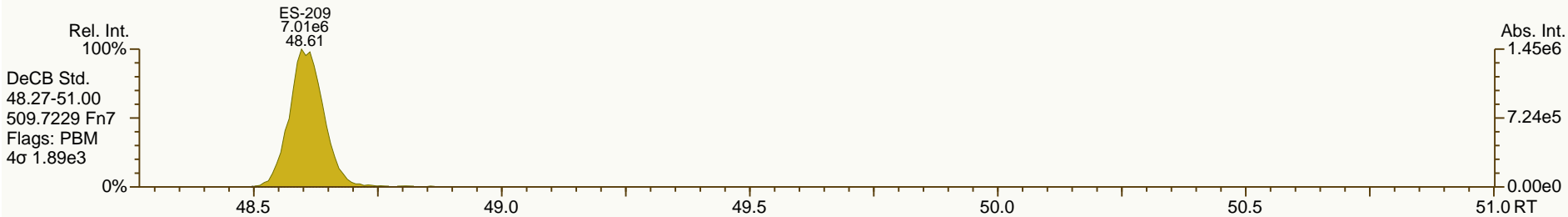
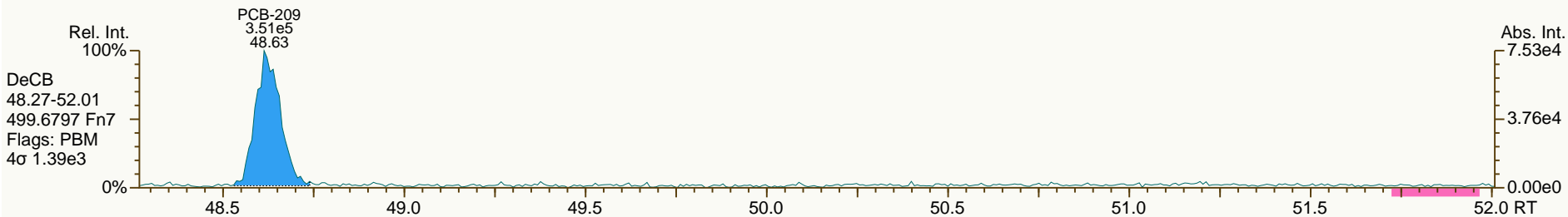
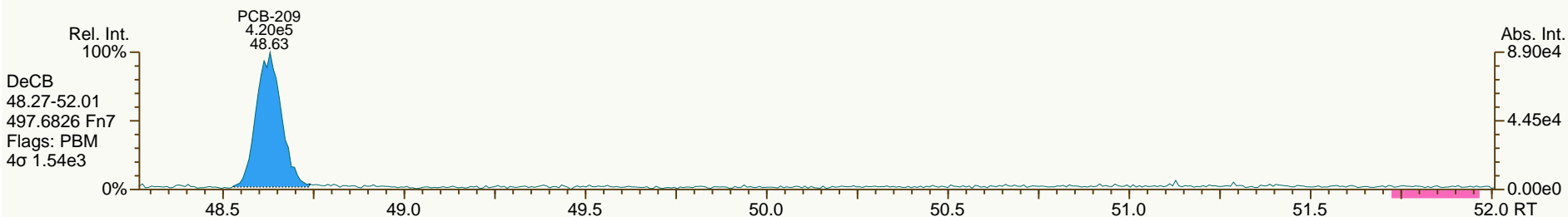
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SGS-AP ID: A5698_11123_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-211-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 17

Acq: 19-Jul-2013 19:09:58
 User: JLJ Datafile: 130719V14



Lab ID: A5698_11123_PCB_005

ACQ: 19-Jul-2013 20:04:19 JLJ

Wt/Vol: 5.47 g

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: JW-SS-214-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.83 pg/g Split: 1

Checkcode: 158-766-CVB

Datafile: 130719V15

RPT: 23-Jul-2013 16:22 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.63		1.0006	1.0006	0	1.75E+07	0.79	1.25	149	1.71E+04	1.63
PCB-81 344'5'-TeCB	30.15		1.0005	1.0004	-0.2	5.67E+05	0.73	1.26	4.61	1.71E+04	1.46
PCB-105 233'44'-PeCB	33.61		1.0006	1.0006	0	6.59E+07	0.63	1.06	921	6.39E+03	1
PCB-114 2344'5'-PeCB	33.05		1.0007	1.0006	-0.2	3.95E+06	0.66	1.11	47.3	6.39E+03	0.87
PCB-118 23'44'5'-PeCB	32.60		1.0008	1.0007	-0.2	1.72E+08	0.63	1.08	2,100	6.39E+03	0.907
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0008	+0.4	2.81E+06	0.64	1.12	34.7	6.39E+03	0.859
PCB-126 33'44'5'-PeCB	36.21		1.0007	1.0003	-0.9	5.35E+05	0.64	1.16	6.03	6.90E+03	0.913
PCB-156/157 ...-HxCB	38.76	C	1.0004	1.0001	-0.7	1.95E+07	1.25	1.14	296	6.20E+03	1.55
PCB-167 23'44'55'-HxCB	37.79		1.0005	1.0005	0	6.22E+06	1.24	1.18	83.4	6.20E+03	0.956
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.20E+03	1.58
PCB-189 233'44'55'-HpCB	43.64		1.0005	1.0004	-0.3	7.32E+05	1.01	1.12	10.9	5.17E+03	0.887
PCB-209 DeCB	48.64		1.0004	1.0004	0	1.41E+06	1.14	1.11	37.1	2.60E+03	0.814
ES PCB-1	10.55		0.7199	0.7199	0	3.56E+07	3.22	0.97	71.2 %	25%	150%
ES PCB-3	12.60		0.8600	0.8597	-0.2	3.89E+07	3.28	0.90	83.8 %	25%	150%
ES PCB-4	12.84		0.8759	0.8756	-0.2	3.23E+07	1.55	0.70	89.4 %	25%	150%
ES PCB-15	18.18		1.2401	1.2400	-0.1	5.28E+07	1.60	1.02	101 %	25%	150%
ES PCB-19	15.69		1.0705	1.0703	-0.2	2.60E+07	1.02	0.53	95.7 %	25%	150%
ES PCB-37	24.34		1.0840	1.0846	+0.9	3.48E+07	1.11	1.29	93.9 %	25%	150%
ES PCB-54	18.45		0.8227	0.8222	-0.6	3.29E+07	0.78	1.43	80.5 %	25%	150%
ES PCB-77	30.61		1.3634	1.3641	+1.3	3.43E+07	0.82	1.20	99.6 %	25%	150%
ES PCB-81	30.14		1.3420	1.3429	+1.6	3.58E+07	0.80	1.16	107 %	25%	150%
ES PCB-104	23.27		0.8213	0.8193	-2.8	2.94E+07	1.56	1.70	72.6 %	25%	150%
ES PCB-105	33.58		1.1849	1.1822	-5.4	2.48E+07	1.53	1.10	94.8 %	25%	150%
ES PCB-114	33.03		1.1652	1.1628	-4.8	2.74E+07	1.58	1.16	99.7 %	25%	150%
ES PCB-118	32.57		1.1492	1.1467	-4.9	2.77E+07	1.55	1.15	101 %	25%	150%
ES PCB-123	32.30		1.1394	1.1369	-4.8	2.65E+07	1.60	1.14	97.5 %	25%	150%
ES PCB-126	36.21		1.2772	1.2745	-5.9	2.81E+07	1.61	1.34	88.1 %	25%	150%
ES PCB-153	34.16		0.9698	0.9698	0	2.68E+07	1.33	1.14	97.6 %	25%	150%
ES PCB-155	28.22		0.7994	0.8014	+3.4	3.70E+07	1.29	1.61	97.9 %	25%	150%
ES PCB-156/157	38.76		1.1004	1.1004	0	4.22E+07	1.28	0.98	92.1 %	25%	150%
ES PCB-167	37.77		1.0723	1.0724	+0.2	2.31E+07	1.23	1.01	97.6 %	25%	150%
ES PCB-169	41.51		1.1781	1.1785	+1.0	1.60E+07	1.25	0.90	76.1 %	25%	150%
ES PCB-170	41.00		0.9031	0.9029	-0.5	1.82E+07	1.05	1.28	120 %	25%	150%
ES PCB-180	39.92		0.8794	0.8793	-0.2	2.19E+07	1.03	1.54	122 %	25%	150%
ES PCB-188	33.01		0.7275	0.7271	-0.8	3.52E+07	1.03	1.63	92.3 %	25%	150%
ES PCB-189	43.62		0.9610	0.9608	-0.5	2.20E+07	1.06	1.97	94 %	25%	150%
ES PCB-202	37.56		0.8277	0.8273	-0.9	2.85E+07	0.88	1.26	96.5 %	25%	150%
ES PCB-205	45.80		1.0088	1.0088	0	1.37E+07	0.86	1.22	94.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.28		1.0412	1.0413	+0.3	1.33E+07	0.79	1.10	101 %	25%	150%
ES PCB-208	43.21		0.9520	0.9518	-0.5	1.92E+07	0.79	1.41	115 %	25%	150%
ES PCB-209	48.63		1.0711	1.0710	-0.3	1.25E+07	1.19	1.24	84.4 %	25%	150%
SS PCB-28	20.84		0.9292	0.9288	-0.5	4.19E+07	1.10	1.18	102 %	30%	135%
SS PCB-111	30.63		1.0804	1.0782	-4.0	2.79E+07	1.53	1.01	105 %	30%	135%
SS PCB-178	35.60		1.0107	1.0107	0	2.23E+07	1.03	0.60	105 %	30%	135%
CS PCB-28	20.84		0.9292	0.9288	-0.5	4.19E+07	1.10	1.52	96 %	30%	135%
CS PCB-111	30.63		1.0804	1.0782	-4.0	2.79E+07	1.53	1.15	102 %	30%	135%
CS PCB-178	35.60		1.0107	1.0107	0	2.23E+07	1.03	0.98	97 %	30%	135%
JS PCB-9	14.66					5.16E+07	1.61				
JS PCB-52	22.44					2.87E+07	0.80				
JS PCB-101	28.41					2.38E+07	1.57				
JS PCB-138	35.22					2.34E+07	1.31				
JS PCB-194	45.40					1.19E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	140	140	0.37		
						Di-CBs	839	839	0.606		
						Tri-CBs	2,940	2,940	0.972		
						Tetra-CBs	6,380	6,380	0.887		
						Penta-CBs	13,200	13,200	0.806		
						Hexa-CBs	8,480	8,480	1.1		
						Hepta-CBs	1,870	1,870	0.877		
						Octa-CBs	470	474	0.916		
						Nona-CBs	108	108	1.36		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	5.55E+06	3.01	1.25	45.7	6.57E+03	0.378
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	5.37E+06	3.03	1.26	40.1	6.57E+03	0.363
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	7.25E+06	3.02	1.27	53.8	6.57E+03	0.361
PCB-4 22'-DiCB	12.85		1.0011	1.0011	0	2.64E+06	1.59	0.90	33.3	5.99E+03	0.559
PCB-10 26-DiCB	13.01		1.0136	1.0136	0	2.37E+05	SI	1.40	1.92	5.99E+03	0.359
PCB-9 25-DiCB	14.67		1.0010	1.0009	-0.1	1.17E+06	1.52	1.00	8.09	1.13E+04	0.714
PCB-7 24-DiCB	14.82		1.0113	1.0112	-0.1	9.70E+05	1.65	1.12	5.97	1.13E+04	0.636
PCB-6 23'-DiCB	15.04		1.0261	1.0259	-0.2	4.14E+06	1.51	1.03	27.8	1.13E+04	0.695
PCB-5 23-DiCB	15.32		1.0452	1.0450	-0.2	4.77E+05	SI	1.05	3.16	1.13E+04	0.684
PCB-8 24'-DiCB	15.43		1.0529	1.0527	-0.2	2.52E+07	1.52	1.06	165	1.13E+04	0.678
PCB-14 35-DiCB	16.89	J	0.9293	0.9291	-0.2	2.63E+05	SI	1.22	1.5	1.13E+04	0.587
PCB-11 33'-DiCB	17.64		0.9704	0.9704	0	5.93E+07	1.54	0.98	421	1.13E+04	0.733
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9850	-0.6	4.50E+06	1.42	0.98	31.7	1.13E+04	0.729
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	2.22E+07	1.53	1.10	140	1.13E+04	0.653

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0011	0	9.32E+05	1.06	0.95	13.9	7.03E+03	0.875
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1074	+1.0	1.92E+07	1.06	1.22	220	7.03E+03	0.676
PCB-17 22'4-TrCB	17.75		1.1310	1.1310	0	7.78E+06	1.05	1.05	104	7.03E+03	0.785
PCB-27 23'6-TrCB	17.94		1.1431	1.1432	+0.1	1.90E+06	1.04	1.39	19.3	7.03E+03	0.597
PCB-24 236-TrCB	18.05		1.1507	1.1504	-0.3	2.49E+05	0.97	1.36	2.58	7.03E+03	0.608
PCB-16 22'3-TrCB	18.16		1.1570	1.1571	+0.1	5.35E+06	1.04	0.82	91.8	7.03E+03	1.01
PCB-32 24'6-TrCB	18.61		1.1861	1.1863	+0.2	9.45E+06	1.07	1.47	90.1	7.03E+03	0.562
PCB-34 23'5'-TrCB	19.72	EMPC	0.8111	0.8101	-1.2	4.95E+05	1.22	1.53	3.39	1.41E+04	0.969
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.41E+04	0.937
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8267	-1.8	1.36E+07	1.05	1.56	91.5	1.41E+04	0.954
PCB-25 23'4-TrCB	20.33		0.8362	0.8353	-1.1	6.75E+06	1.04	1.59	44.5	1.41E+04	0.932
PCB-31 24'5-TrCB	20.61		0.8473	0.8466	-0.9	9.52E+07	1.03	1.62	616	1.41E+04	0.915
PCB-28/20 244'/233'-TrCB	20.86	C	0.8586	0.8572	-1.8	1.15E+08	1.02	1.51	798	1.41E+04	0.981
PCB-21/33 234/23'4'-TrCB	21.08	C	0.8656	0.8659	+0.4	4.66E+07	1.04	1.58	310	1.41E+04	0.941
PCB-22 234'-TrCB	21.42		0.8808	0.8801	-0.9	2.91E+07	1.04	1.45	212	1.41E+04	1.03
PCB-36 33'5-TrCB	22.77		0.9359	0.9355	-0.5	1.01E+06	1.14	1.55	6.85	1.41E+04	0.959
PCB-39 34'5-TrCB	23.11		0.9491	0.9495	+0.6	9.95E+05	1.13	1.53	6.81	1.41E+04	0.967
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.41E+04	1.02
PCB-35 33'4-TrCB	24.00		0.9862	0.9861	-0.1	4.08E+06	1.06	1.31	32.7	1.41E+04	1.13
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	3.70E+07	1.05	1.39	280	1.41E+04	1.07
PCB-54 22'66'-TeCB	18.47	J EMPC	1.0010	1.0010	0	4.44E+04	0.61	1.05	0.469	3.84E+03	0.36
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9075	-1.3	4.08E+06	0.78	0.90	46.4	3.98E+03	0.475
PCB-45 22'36-TeCB	20.96		0.9340	0.9338	-0.3	3.23E+06	0.79	0.84	39.4	3.98E+03	0.51
PCB-51 22'46'-TeCB	21.03		0.9371	0.9369	-0.3	9.95E+05	0.79	0.86	11.9	3.98E+03	0.498
PCB-46 22'36'-TeCB	21.23		0.9464	0.9460	-0.5	1.20E+06	0.75	0.73	16.7	3.98E+03	0.583
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	8.64E+07	0.77	0.85	1,040	3.98E+03	0.502
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.15	ND	3.98E+03	0.372
PCB-43 22'35-TeCB	22.67		1.0103	1.0102	-0.1	1.26E+06	0.77	0.74	17.4	3.98E+03	0.579
PCB-69/49 23'46/22'45'-TeCB	22.89	C	1.0188	1.0200	+1.6	3.81E+07	0.77	1.03	376	3.98E+03	0.413
PCB-48 22'45-TeCB	23.14		1.0310	1.0311	+0.1	7.14E+06	0.77	0.85	85.5	3.98E+03	0.5
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0399	-0.7	5.25E+07	0.77	0.91	591	3.98E+03	0.471
PCB-59/62/75 ...-TeCB	23.62	C	1.0523	1.0526	+0.4	4.32E+06	0.76	1.15	38.4	3.98E+03	0.371
PCB-42 22'34'-TeCB	23.79		1.0599	1.0602	+0.4	9.81E+06	0.79	0.82	123	3.98E+03	0.523
PCB-41 22'34-TeCB	24.11		1.0743	1.0744	+0.1	1.91E+06	0.77	0.70	27.8	3.98E+03	0.608
PCB-71/40 23'4'6/22'33'-TeCB	24.22	C	1.0788	1.0793	+0.7	1.96E+07	0.77	0.88	228	3.98E+03	0.486
PCB-64 234'6-TeCB	24.41		1.0874	1.0878	+0.6	2.52E+07	0.76	1.24	208	3.98E+03	0.344
PCB-72 23'55'-TeCB	25.14		0.8338	0.8341	+0.5	1.22E+06	0.83	1.37	9.04	1.71E+04	1.34
PCB-68 23'45'-TeCB	25.39		0.8421	0.8424	+0.5	8.00E+05	0.78	1.44	5.69	1.71E+04	1.28
PCB-57 233'5-TeCB	25.76		0.8542	0.8546	+0.6	3.05E+05	0.88	1.30	2.41	1.71E+04	1.42
PCB-58 233'5'-TeCB	25.97		0.8609	0.8618	+1.4	3.27E+05	0.79	1.29	2.59	1.71E+04	1.43
PCB-67 23'45-TeCB	26.11		0.8659	0.8665	+0.9	2.81E+06	0.79	1.38	20.8	1.71E+04	1.33
PCB-63 234'5-TeCB	26.34		0.8733	0.8740	+1.1	4.08E+06	0.80	1.43	29.2	1.71E+04	1.29
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8842	+1.1	2.25E+08	0.78	1.34	1,720	1.71E+04	1.38
PCB-66 23'44'-TeCB	26.92		0.8921	0.8933	+1.9	1.23E+08	0.78	1.22	1,030	1.71E+04	1.51
PCB-55 233'4-TeCB	27.07		0.8970	0.8982	+1.9	1.42E+06	0.79	1.27	11.4	1.71E+04	1.45

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9131	+2.5	4.41E+07	0.78	1.23	367	1.71E+04	1.5
PCB-60 2344'-TeCB	27.71		0.9176	0.9194	+3.0	1.90E+07	0.76	1.24	156	1.71E+04	1.48
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.71E+04	1.25
PCB-79 33'45'-TeCB	29.31		0.9723	0.9726	+0.5	2.86E+06	0.76	1.37	21.4	1.71E+04	1.35
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.71E+04	1.61
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.59E+03	0.283
PCB-96 22'366'-PeCB	23.62		1.0149	1.0148	-0.1	5.87E+05	0.70	1.00	7.32	2.59E+03	0.317
PCB-103 22'45'6'-PeCB	25.29		0.8920	0.8904	-2.4	5.67E+05	0.66	0.92	8.55	6.39E+03	1.05
PCB-94 22'356'-PeCB	25.49		0.8988	0.8973	-2.3	2.87E+05	0.61	0.80	4.95	6.39E+03	1.2
PCB-95 22'35'6'-PeCB	25.88		0.9122	0.9109	-2.0	6.80E+07	0.62	0.85	1,110	6.39E+03	1.13
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	C	0.9190	0.9172	-2.8	5.83E+05	0.59	0.87	9.21	6.39E+03	1.1
PCB-102 22'456'-PeCB	26.19		0.9234	0.9220	-2.2	2.34E+06	0.65	0.86	37.3	6.39E+03	1.11
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	6.39E+03	1.1
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	6.39E+03	1.32
PCB-91 22'34'6'-PeCB	26.63		0.9382	0.9373	-1.4	1.23E+07	0.62	1.01	169	6.39E+03	0.954
PCB-84 22'33'6'-PeCB	26.83		0.9453	0.9443	-1.6	2.09E+07	0.62	0.74	390	6.39E+03	1.3
PCB-89 22'346'-PeCB	27.24		0.9597	0.9591	-1.0	7.88E+05	0.66	0.78	13.9	6.39E+03	1.23
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	6.39E+03	0.826
PCB-92 22'355'-PeCB	27.94		0.9830	0.9836	+1.0	2.13E+07	0.62	0.83	356	6.39E+03	1.17
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	1.33E+08	0.63	0.96	1,920	6.39E+03	1
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0138	-2.2	5.34E+06	0.60	0.69	107	6.39E+03	1.39
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0169	-2.3	6.43E+07	0.62	0.87	1,020	6.39E+03	1.11
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	6.39E+03	0.86
PCB-108/119/86/97/125...-PeCB	29.36	C	1.0331	1.0335	+0.7	9.44E+07	0.62	0.95	1,370	6.39E+03	1.01
PCB-117 234'56'-PeCB	29.83		1.0524	1.0502	-3.9	3.10E+06	0.61	0.98	43.8	6.39E+03	0.983
PCB-116/85 23456/22'344'-PeCB	29.92	C	1.0553	1.0533	-3.6	2.32E+07	0.63	0.98	326	6.39E+03	0.978
PCB-110 233'4'6'-PeCB	30.06		1.0600	1.0582	-3.2	1.83E+08	0.62	0.95	2,650	6.39E+03	1.01
PCB-115 2344'6'-PeCB	30.17		1.0628	1.0622	-1.1	3.32E+06	0.63	1.24	37	6.39E+03	0.778
PCB-82 22'33'4'-PeCB	30.33		1.0701	1.0677	-4.4	1.21E+07	0.62	0.72	232	6.39E+03	1.33
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	6.39E+03	0.832
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	6.39E+03	0.849
PCB-107/124 ...-PeCB	32.01	C	0.9910	0.9912	+0.4	6.39E+06	0.64	1.01	87	6.39E+03	0.949
PCB-109 233'46'-PeCB	32.22		0.9972	0.9976	+0.8	1.20E+07	0.63	1.09	152	6.39E+03	0.882
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	6.39E+03	0.961
PCB-122 233'4'5'-PeCB	32.89		1.0098	1.0097	-0.2	1.98E+06	0.66	0.94	28.2	6.39E+03	1.04
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	6.39E+03	1.03
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.48E+03	0.31
PCB-152 22'3566'-HxCB	28.42	J	1.0070	1.0068	-0.3	1.53E+05	1.31	1.00	1.51	3.48E+03	0.338
PCB-150 22'34'66'-HxCB	28.53	J	1.0119	1.0109	-1.7	1.84E+05	1.11	1.02	1.79	3.48E+03	0.333
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0214	-2.8	1.69E+07	1.25	0.91	183	3.48E+03	0.371
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.48E+03	0.362
PCB-148 22'34'56'-HxCB	30.33	J	1.0772	1.0745	-4.9	1.02E+05	1.08	1.01	1.37	3.48E+03	0.514
PCB-151/135 ...-HxCB	30.85	C	1.0959	1.0930	-5.4	3.22E+07	1.24	0.97	451	3.48E+03	0.537
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.1000	-5.2	1.49E+06	1.25	1.10	18.4	3.48E+03	0.474
PCB-144 22'345'6'-HxCB	31.32		1.1124	1.1095	-5.4	5.14E+06	1.20	1.00	69.7	3.48E+03	0.52

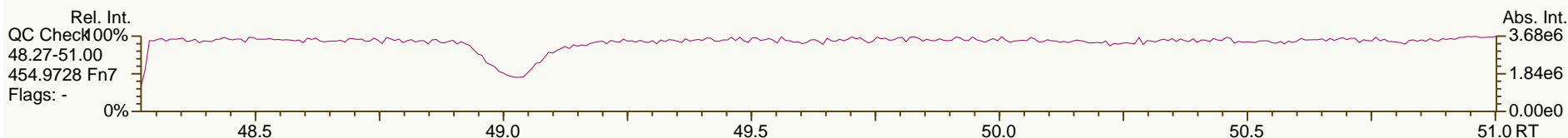
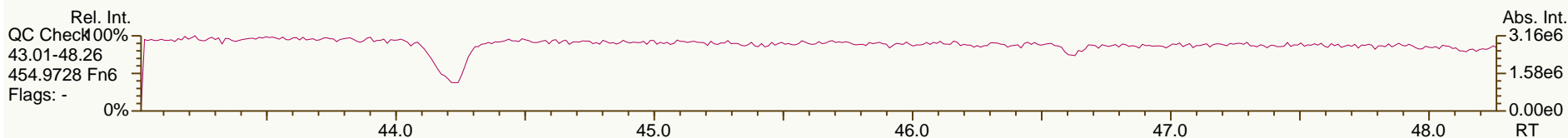
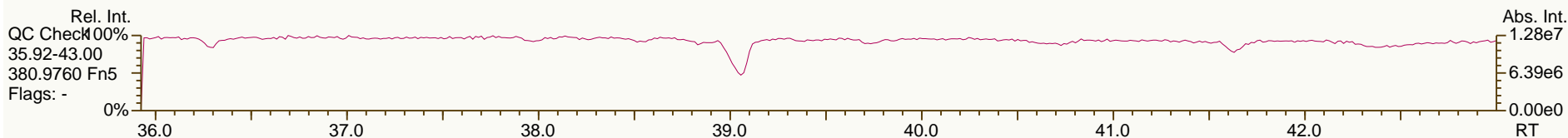
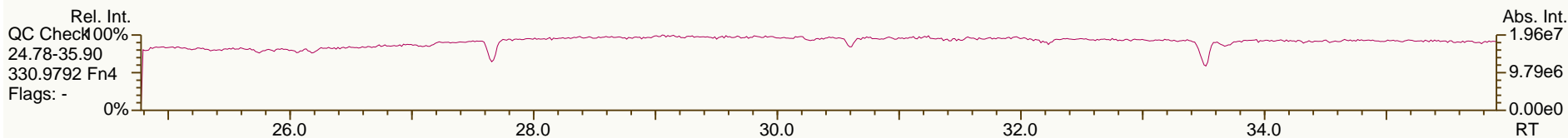
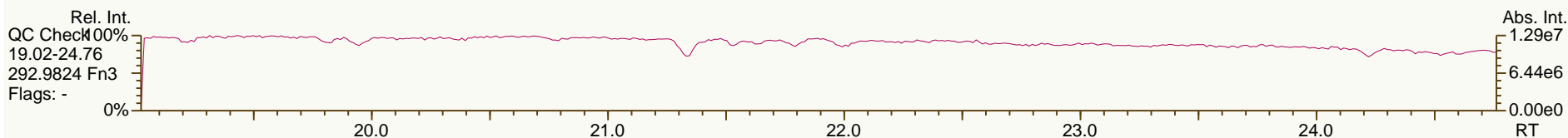
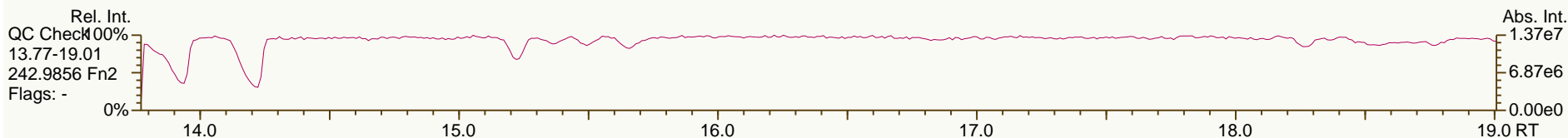
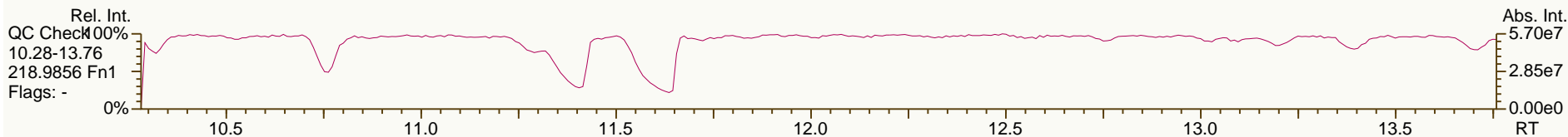
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.62	C	1.1231	1.1202	-5.5	8.95E+07	1.24	0.99	1,230	3.48E+03	0.526
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1266	-5.2	7.27E+06	1.26	0.82	121	3.48E+03	0.639
PCB-143 22'3456"-HxCB	NotFnd		1.1322	-		0.00E+00		0.97	ND	3.48E+03	0.537
PCB-139/140 ...-HxCB	32.12	C	1.1412	1.1381	-6.0	2.97E+06	1.19	1.01	40	3.48E+03	0.517
PCB-131 22'33'46"-HxCB	32.30		1.1475	1.1445	-5.8	1.98E+06	1.25	0.88	30.6	3.48E+03	0.592
PCB-142 22'3456"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.48E+03	0.581
PCB-132 22'33'46"-HxCB	32.69		1.1613	1.1583	-5.9	4.14E+07	1.23	0.91	621	3.48E+03	0.574
PCB-133 22'33'55"-HxCB	33.10		1.1757	1.1728	-5.8	1.90E+06	1.25	0.93	28	3.48E+03	0.564
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.48E+03	0.472
PCB-146 22'34'55"-HxCB	33.65		0.9555	0.9555	0	1.86E+07	1.24	0.96	265	3.48E+03	0.546
PCB-161 233'45'6"-HxCB	33.78	J	0.9588	0.9590	+0.4	1.11E+05	1.27	1.27	1.19	3.48E+03	0.41
PCB-153/168 ...-HxCB	34.18	C	0.9709	0.9704	-1.0	1.26E+08	1.24	1.24	1,390	3.48E+03	0.422
PCB-141 22'3455"-HxCB	34.34		0.9751	0.9751	0	2.14E+07	1.24	0.95	306	3.48E+03	0.548
PCB-130 22'33'45"-HxCB	34.69		0.9850	0.9850	0	9.44E+06	1.23	0.83	156	3.48E+03	0.633
PCB-137 22'344'5"-HxCB	34.88		0.9904	0.9903	-0.2	8.27E+06	1.22	1.02	110	3.48E+03	0.511
PCB-164 233'4'5'6"-HxCB	34.98		0.9931	0.9930	-0.2	1.23E+07	1.24	1.18	143	3.48E+03	0.443
PCB-163/138/129 ...-HxCB	35.24	C	1.0011	1.0007	-0.8	1.61E+08	1.24	0.96	2,280	3.48E+03	0.544
PCB-160 233'456"-HxCB	35.37		1.0045	1.0044	-0.2	4.18E+06	1.31	1.24	45.8	3.48E+03	0.42
PCB-158 233'44'6"-HxCB	35.57		1.0101	1.0100	-0.2	2.22E+07	1.25	1.29	234	3.48E+03	0.404
PCB-128/166 ...-HxCB	36.33	C	0.9615	0.9619	+0.9	2.22E+07	1.25	0.97	363	6.20E+03	1.17
PCB-159 233'455"-HxCB	37.12	EMPC	0.9832	0.9827	-1.1	4.82E+05	1.00	1.11	6.88	6.20E+03	1.02
PCB-162 233'4'55"-HxCB	37.38		0.9896	0.9897	+0.2	4.81E+05	1.21	1.08	7.01	6.20E+03	1.04
PCB-188 22'34'566"-HpCB	33.03	J	1.0007	1.0006	-0.2	5.82E+04	1.03	0.98	0.615	3.37E+03	0.387
PCB-179 22'33'566"-HpCB	33.33		1.0095	1.0095	0	7.56E+06	1.03	0.92	85.3	3.37E+03	0.413
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.37E+03	0.415
PCB-176 22'33'466"-HpCB	34.08		1.0322	1.0322	0	2.39E+06	1.04	1.01	24.4	3.37E+03	0.375
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.37E+03	0.394
PCB-178 22'33'55'6"-HpCB	35.62		1.0787	1.0789	+0.4	3.05E+06	1.04	0.72	44.3	3.37E+03	0.531
PCB-175 22'33'45'6"-HpCB	36.16		1.0951	1.0952	+0.2	5.95E+05	0.98	1.01	9.81	5.95E+03	1.04
PCB-187 22'34'55'6"-HpCB	36.39		1.1020	1.1022	+0.4	1.77E+07	1.05	1.09	271	5.95E+03	0.97
PCB-182 22'344'56"-HpCB	36.55		1.1073	1.1072	-0.2	1.52E+05	0.90	1.11	2.29	5.95E+03	0.952
PCB-183 22'344'5'6"-HpCB	36.91		1.1177	1.1180	+0.7	8.95E+06	1.03	1.05	142	5.95E+03	1
PCB-185 22'3455'6"-HpCB	37.00		1.1202	1.1209	+1.6	8.99E+05	1.07	1.05	14.3	5.95E+03	1.01
PCB-174 22'33'456"-HpCB	37.11		1.1240	1.1242	+0.4	1.16E+07	1.03	0.93	207	5.95E+03	1.13
PCB-177 22'33'45'6"-HpCB	37.48		1.1354	1.1354	0	7.57E+06	1.07	0.92	137	5.95E+03	1.15
PCB-181 22'344'56"-HpCB	37.82		1.1454	1.1455	+0.2	2.65E+05	1.19	1.03	4.3	5.95E+03	1.03
PCB-171/173 ...-HpCB	38.02	C	1.1512	1.1516	+0.9	4.16E+06	1.05	0.91	76.2	5.95E+03	1.16
PCB-172 22'33'455"-HpCB	39.38		0.9027	0.9028	+0.2	2.21E+06	1.03	0.89	41.5	5.95E+03	1.19
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	5.95E+03	0.937
PCB-180/193 ...-HpCB	39.94	C	0.9147	0.9155	+1.9	3.10E+07	1.05	1.07	484	5.95E+03	0.988
PCB-191 233'44'5'6"-HpCB	40.23		0.9222	0.9223	+0.2	9.11E+05	0.97	1.16	13.1	5.95E+03	0.91
PCB-170 22'33'44'5"-HpCB	41.01		0.9401	0.9402	+0.2	1.27E+07	1.05	0.99	256	5.95E+03	1.4
PCB-190 233'44'56"-HpCB	41.46		0.9503	0.9504	+0.2	2.96E+06	1.07	1.27	46.7	5.95E+03	1.1
PCB-202 22'33'55'66"-OoCB	37.58		1.0006	1.0005	-0.2	2.27E+06	0.85	0.86	33.6	3.97E+03	0.647
PCB-201 22'33'45'66"-OoCB	38.37		1.0214	1.0214	0	1.23E+06	0.83	0.95	16.5	3.97E+03	0.589

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.97E+03	0.626
PCB-197 22'33'44'66'-OcCB	39.13		1.0417	1.0417	0	2.05E+05	0.96	0.93	2.83	3.97E+03	0.603
PCB-200 22'33'4566'-OcCB	39.23		1.0444	1.0443	-0.2	9.16E+05	0.94	0.92	12.8	3.97E+03	0.609
PCB-198/199 ...-OcCB	41.60	C	1.1066	1.1075	+2.2	6.03E+06	0.93	0.64	120	3.97E+03	0.873
PCB-196 22'33'44'56'-OcCB	42.15		1.1220	1.1222	+0.5	2.70E+06	0.88	0.66	52.6	3.97E+03	0.852
PCB-203 22'344'55'6-OcCB	42.32		1.1263	1.1266	+0.8	4.17E+06	0.88	0.68	78.4	3.97E+03	0.821
PCB-195 22'33'44'56-OcCB	43.45		0.9489	0.9486	-0.8	1.31E+06	0.88	0.89	39.3	4.28E+03	1.51
PCB-194 22'33'44'55'-OcCB	45.42		0.9918	0.9917	-0.3	3.90E+06	0.92	0.92	113	4.28E+03	1.46
PCB-205 233'44'55'6-OcCB	45.82	EMPC	1.0004	1.0004	0	1.97E+05	0.71	1.13	4.63	4.28E+03	1.19
PCB-208 22'33'455'66'-NoCB	43.23		1.0005	1.0005	0	1.24E+06	0.78	1.03	22.8	4.53E+03	0.98
PCB-207 22'33'44'566'-NoCB	44.02		1.0187	1.0187	0	4.85E+05	0.76	1.00	9.25	4.53E+03	1.02
PCB-206 22'33'44'55'6-NoCB	47.29		1.0004	1.0003	-0.3	2.69E+06	0.75	0.97	76.4	4.53E+03	1.75

SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 18

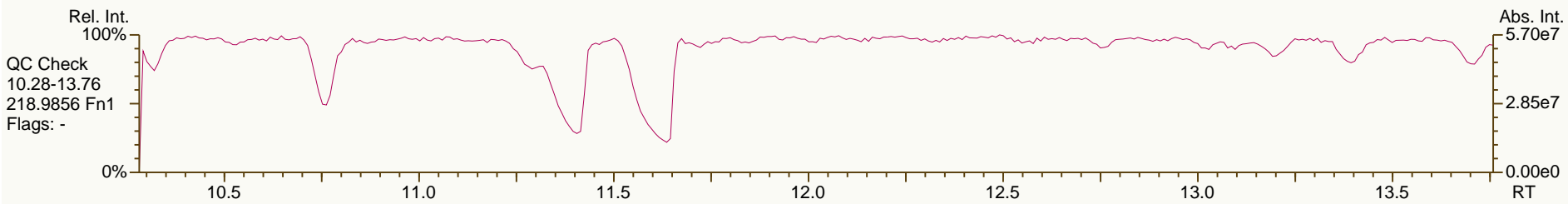
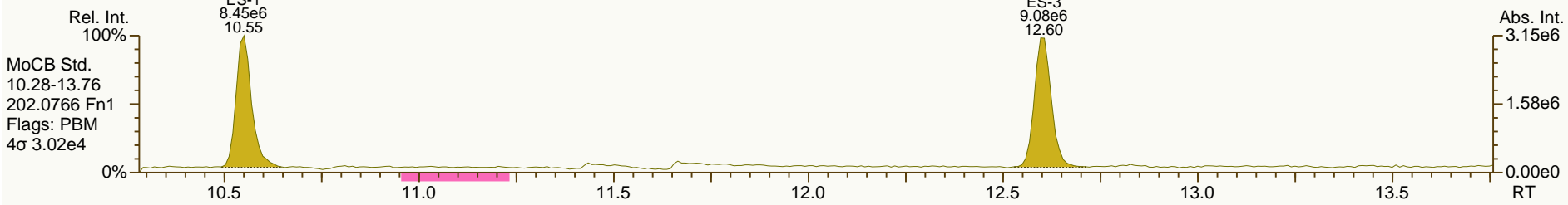
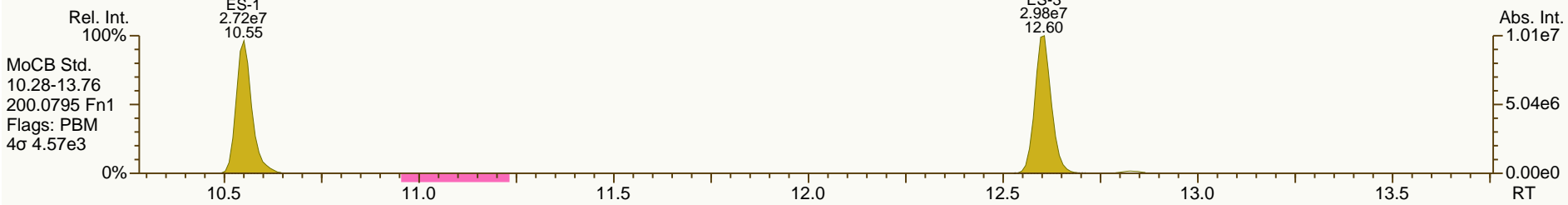
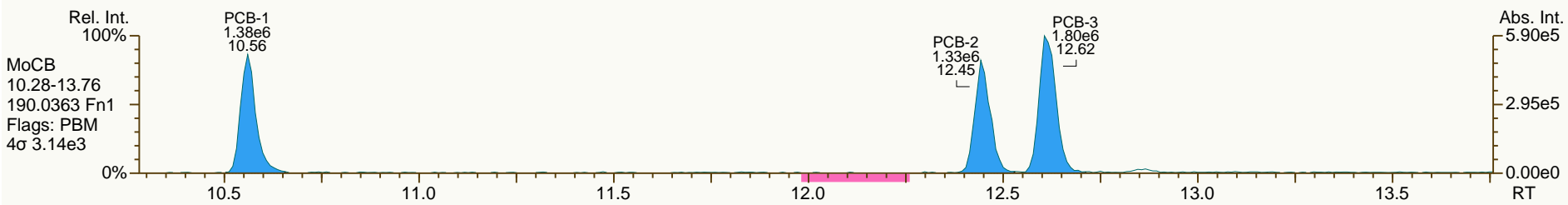
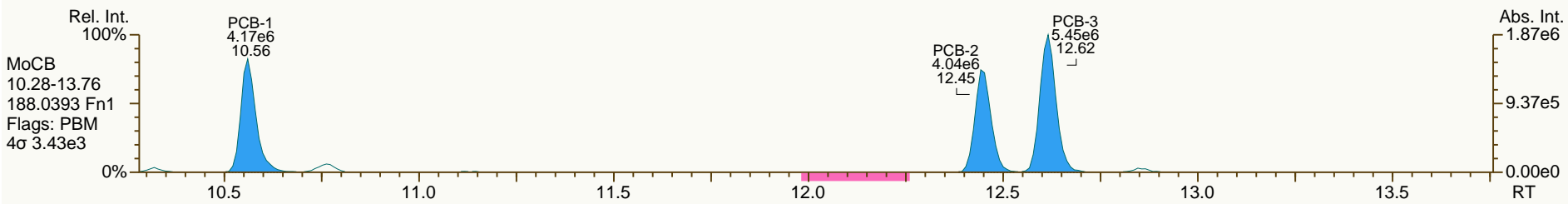
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Sample ID: JW-SS-214-130429
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Sample ID: JW-SS-214-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 18

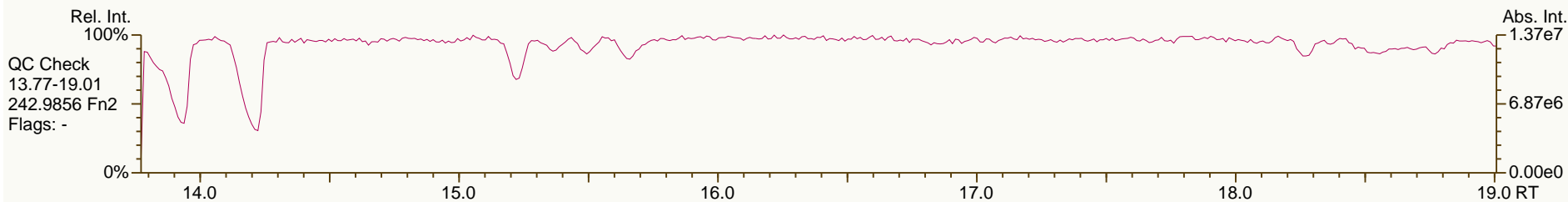
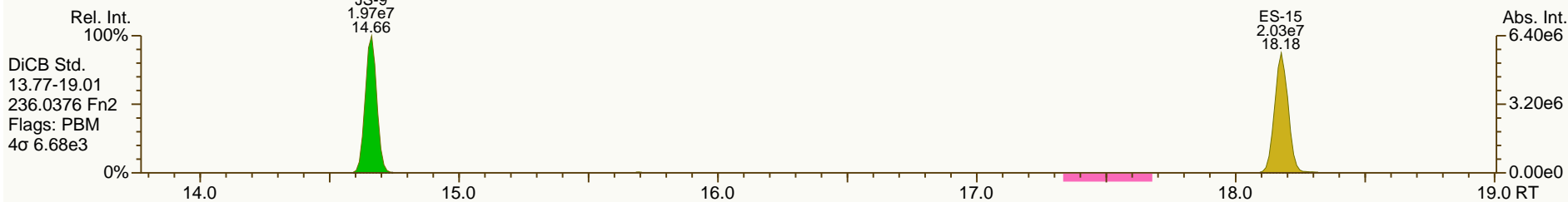
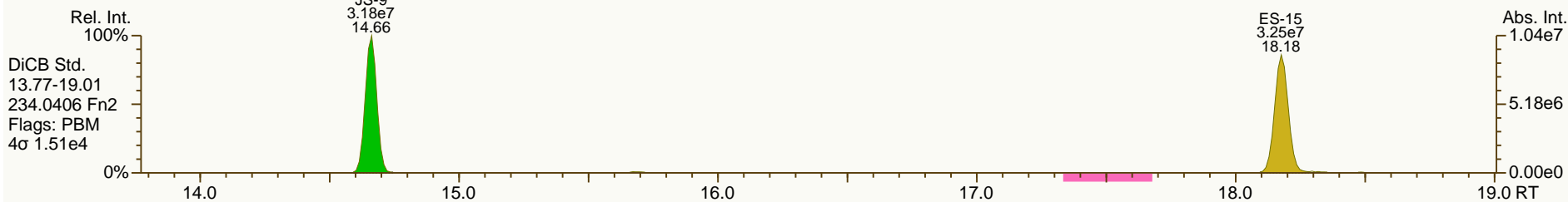
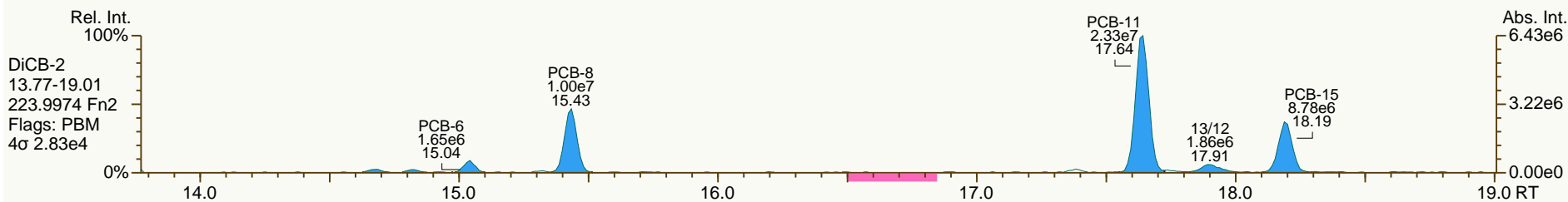
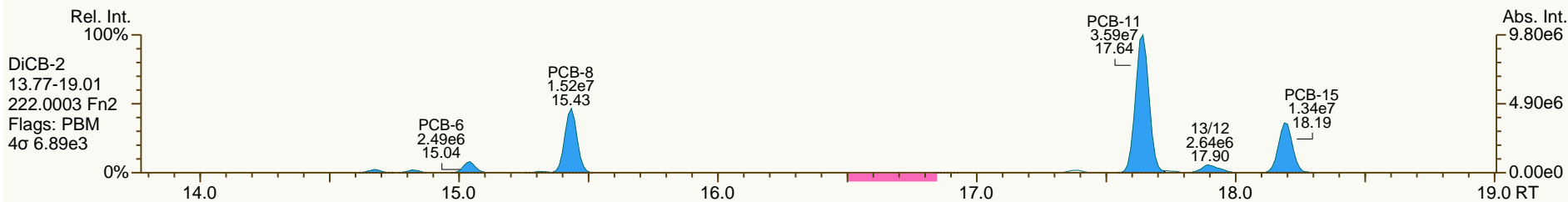
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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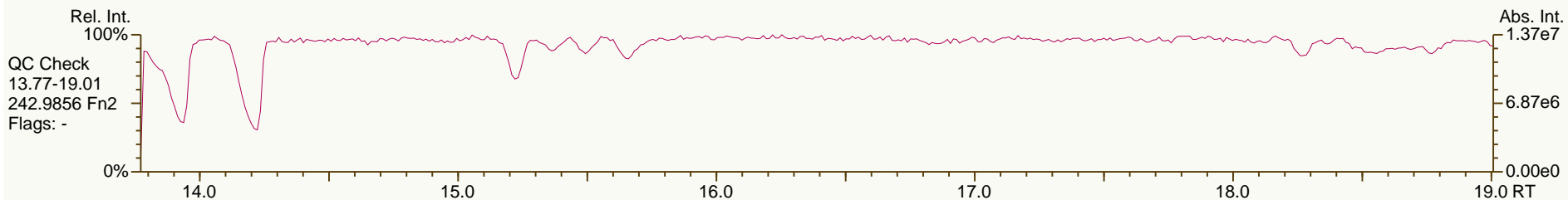
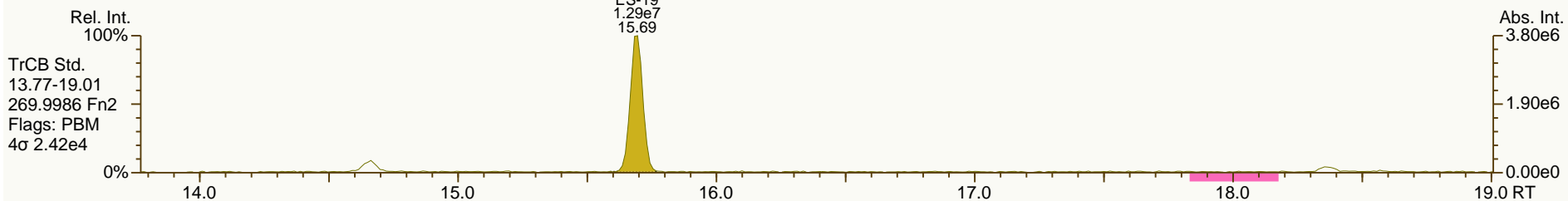
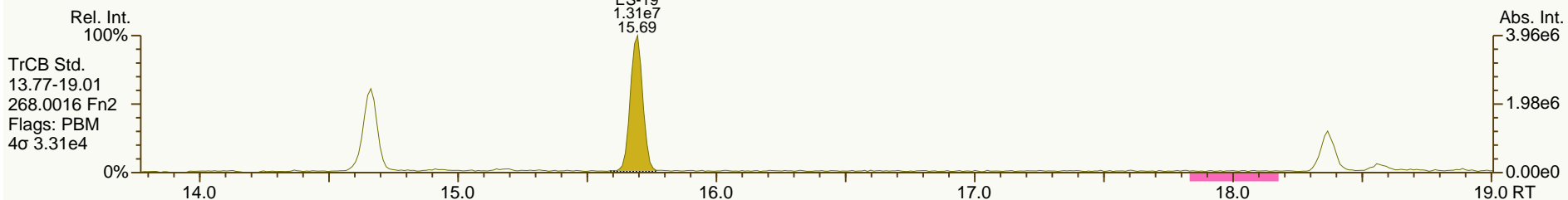
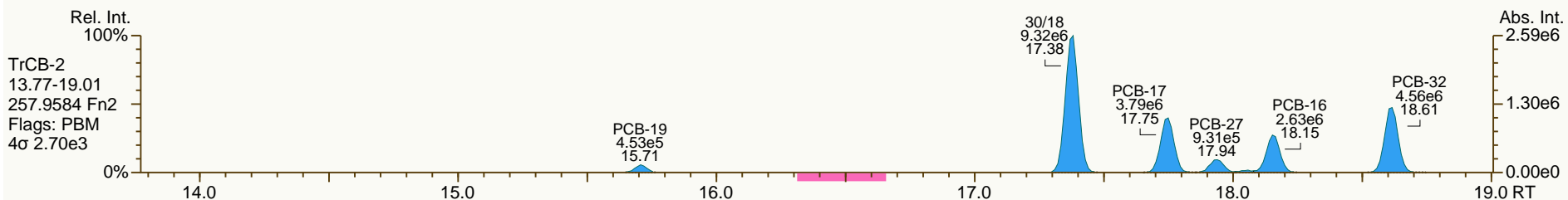
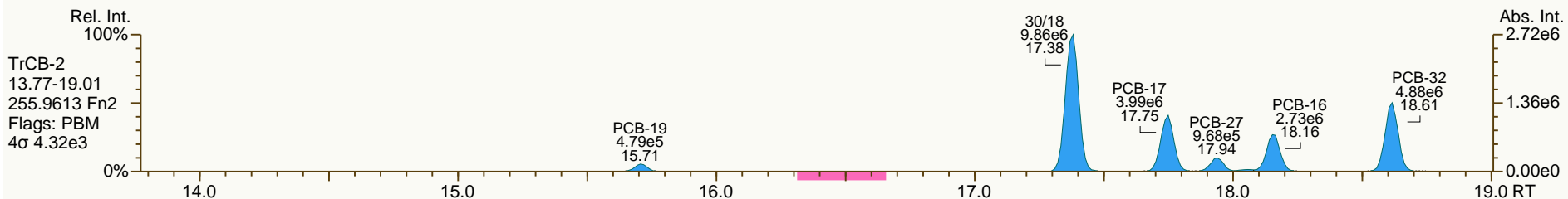
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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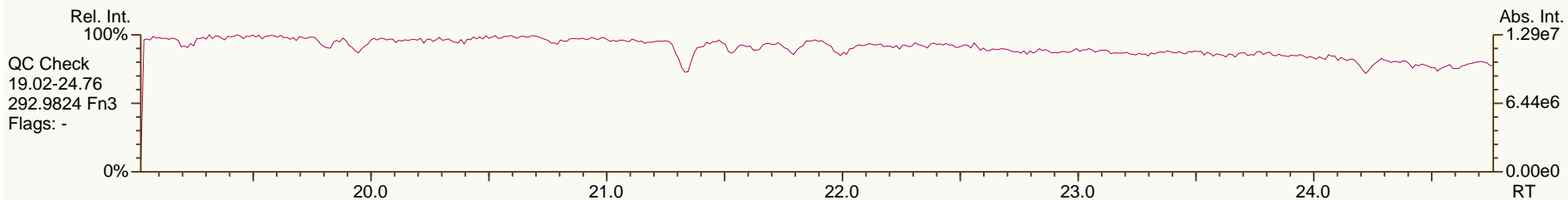
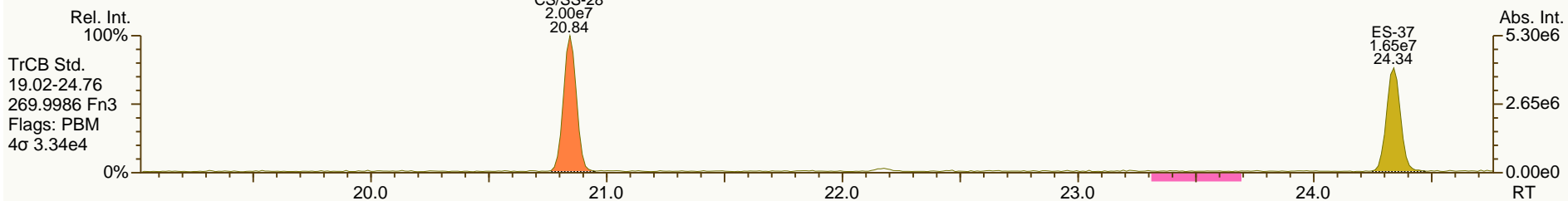
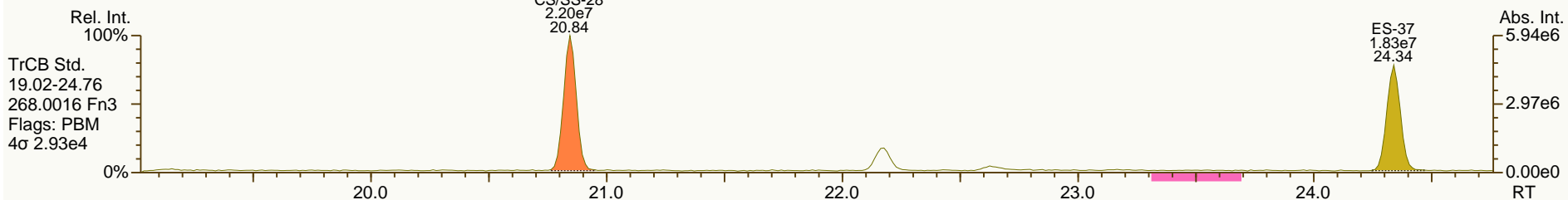
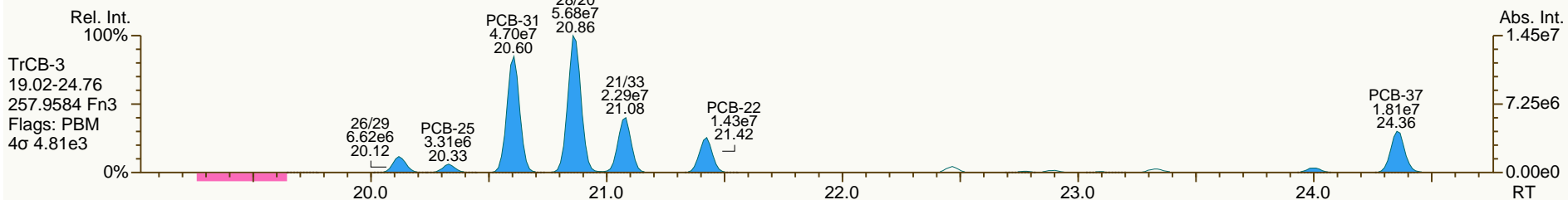
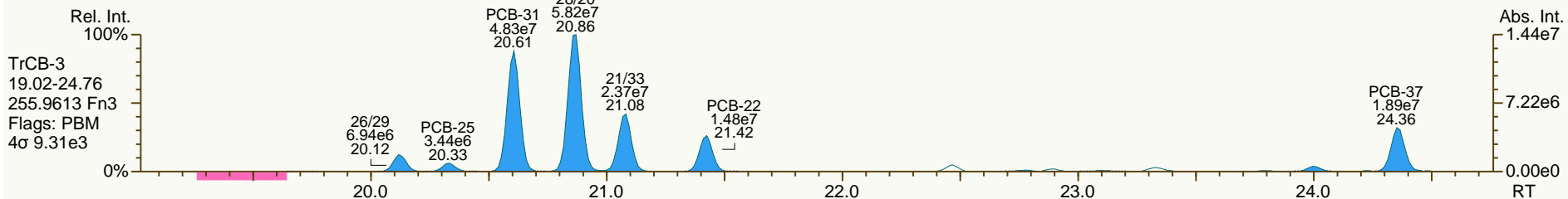
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SGS-AP ID: A5698_11123_PCB_005
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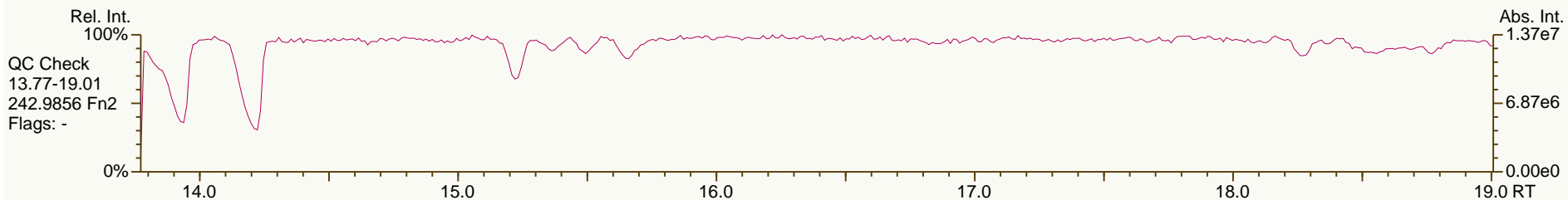
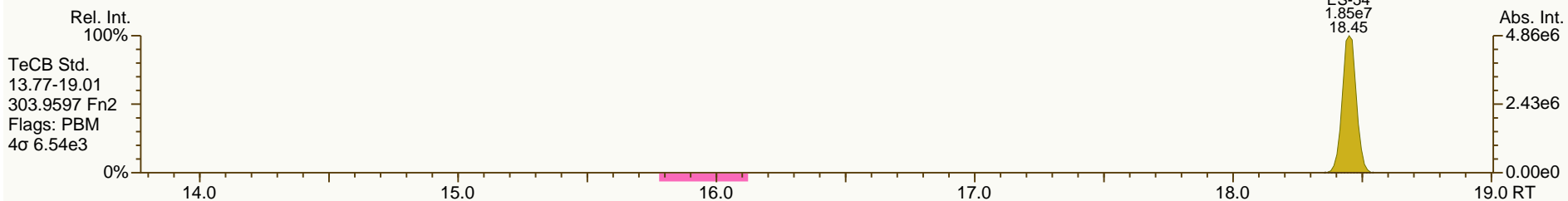
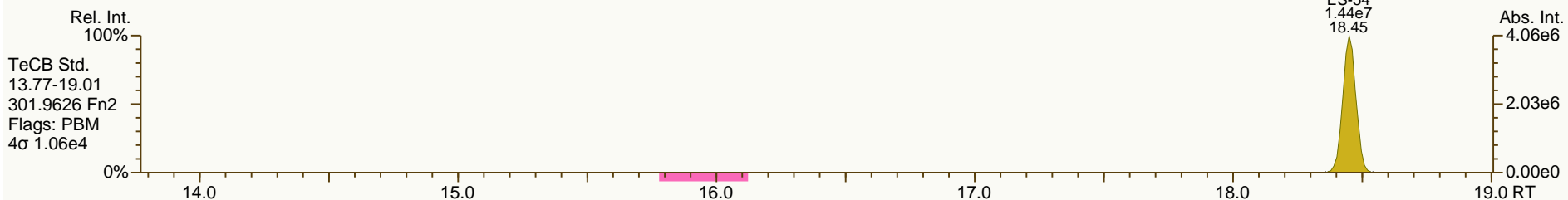
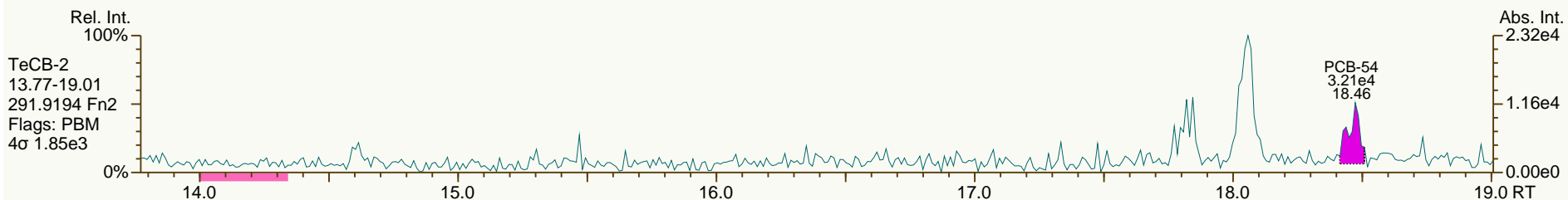
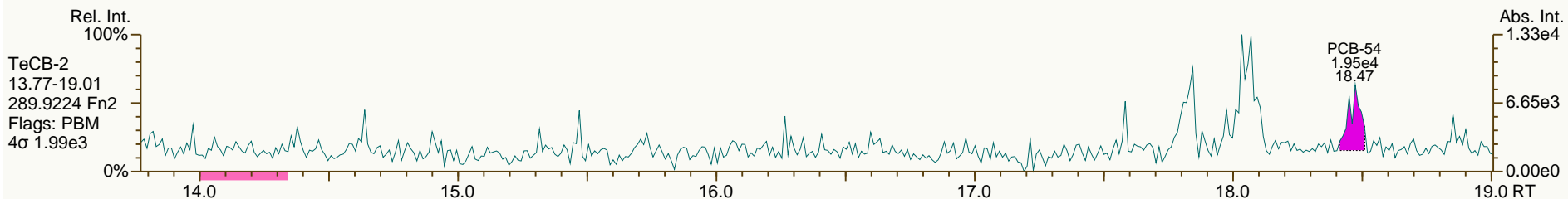
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SGS-AP ID: A5698_11123_PCB_005
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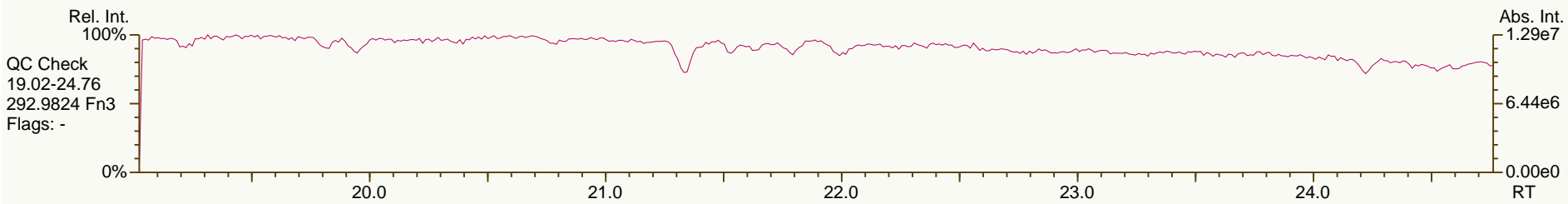
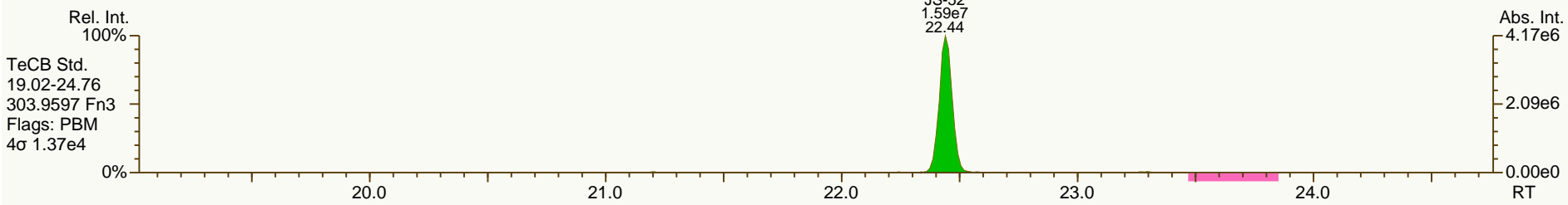
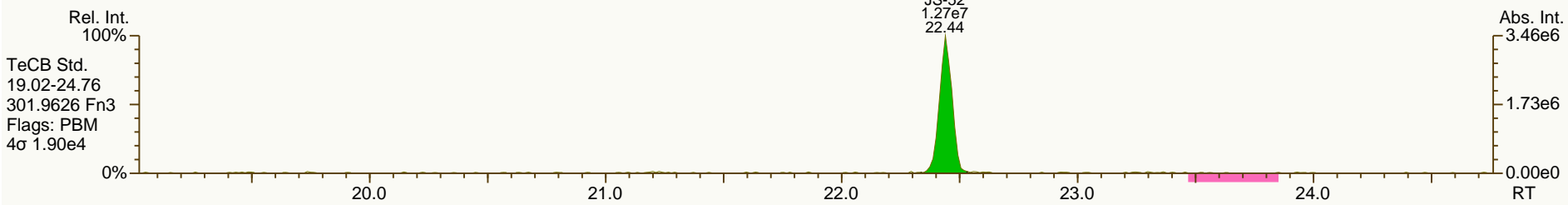
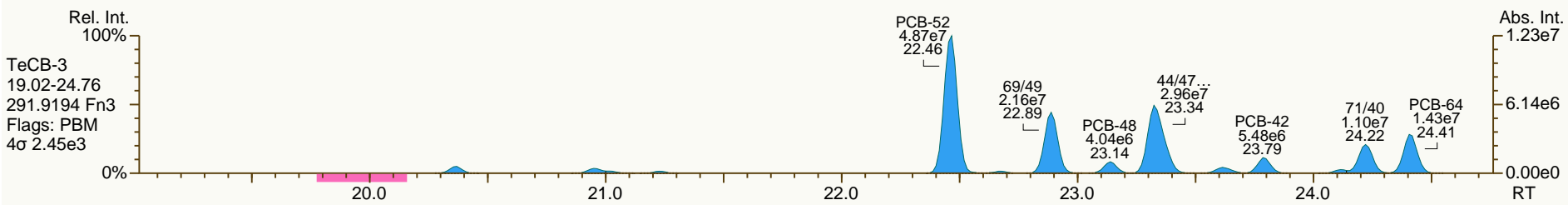
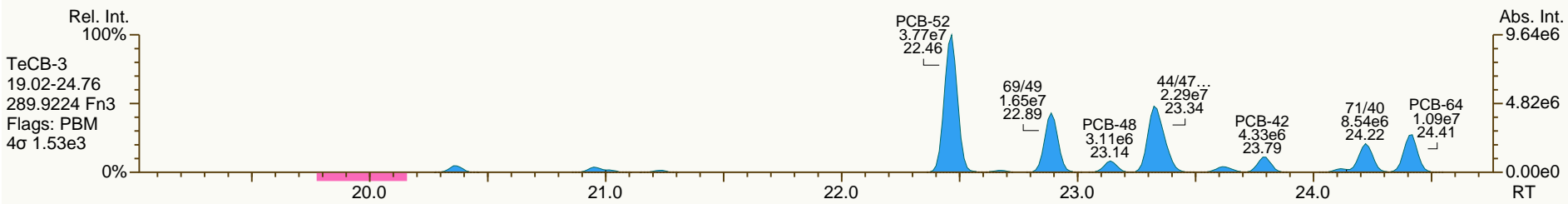
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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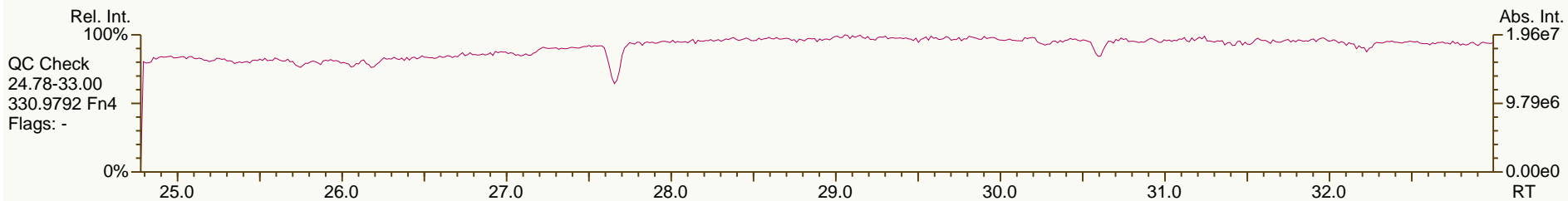
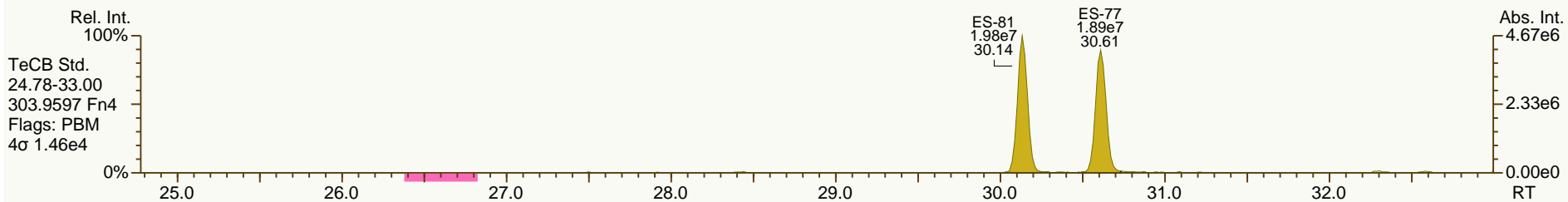
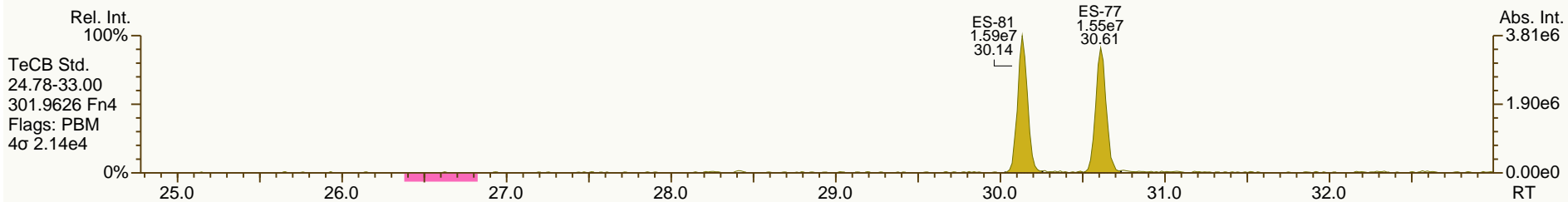
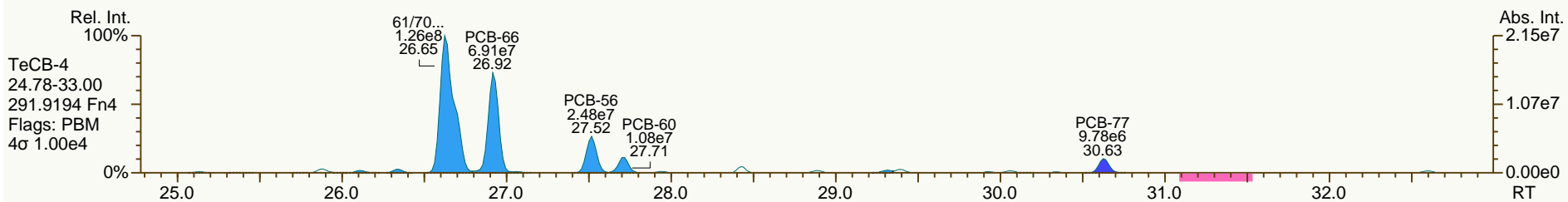
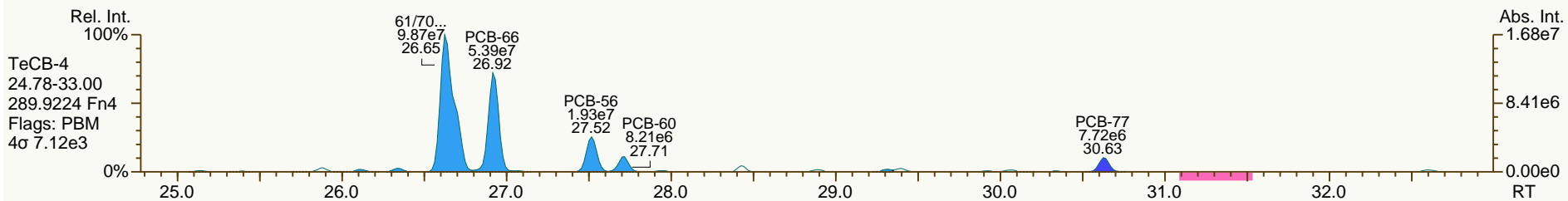
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SGS-AP ID: A5698_11123_PCB_005
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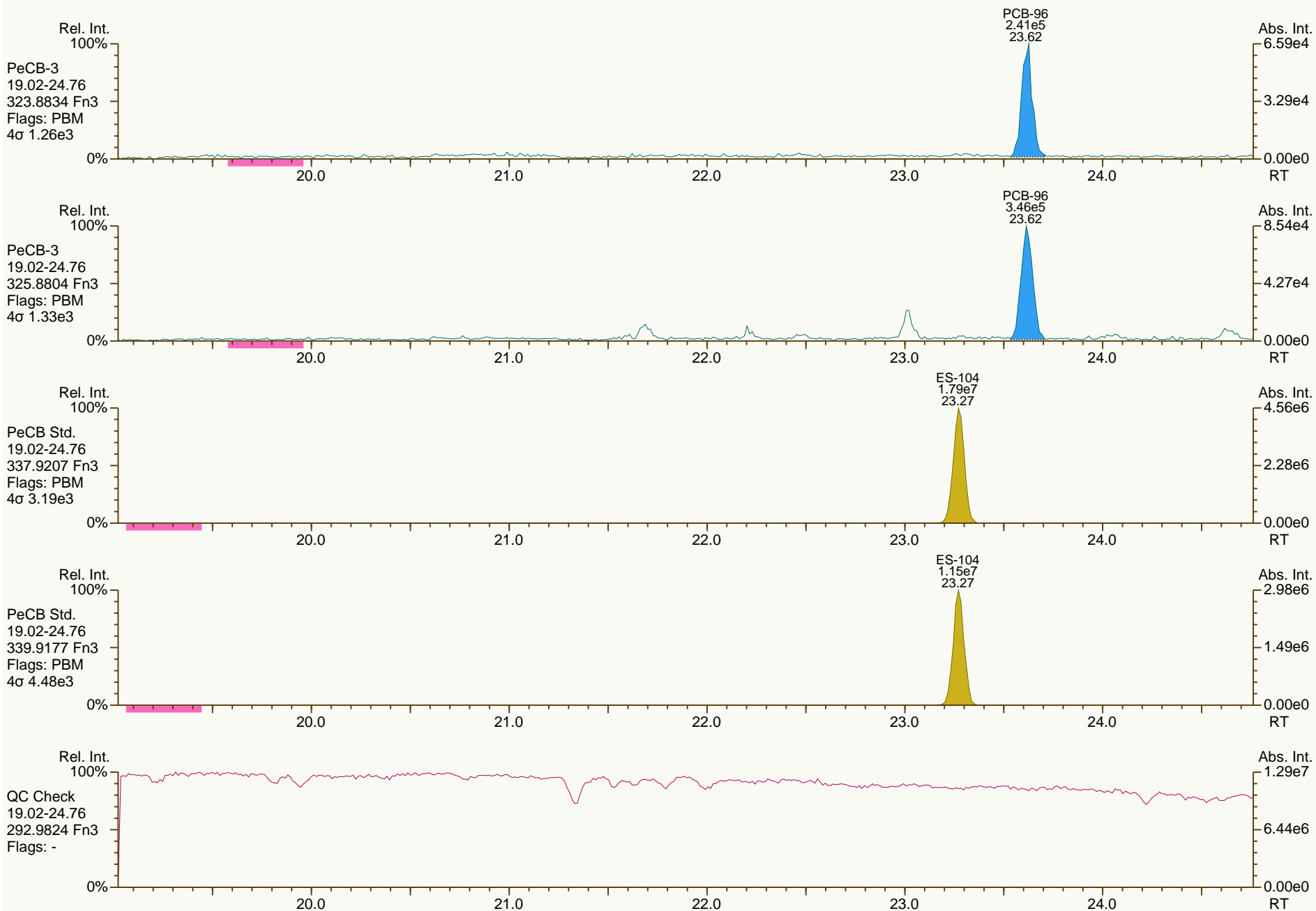
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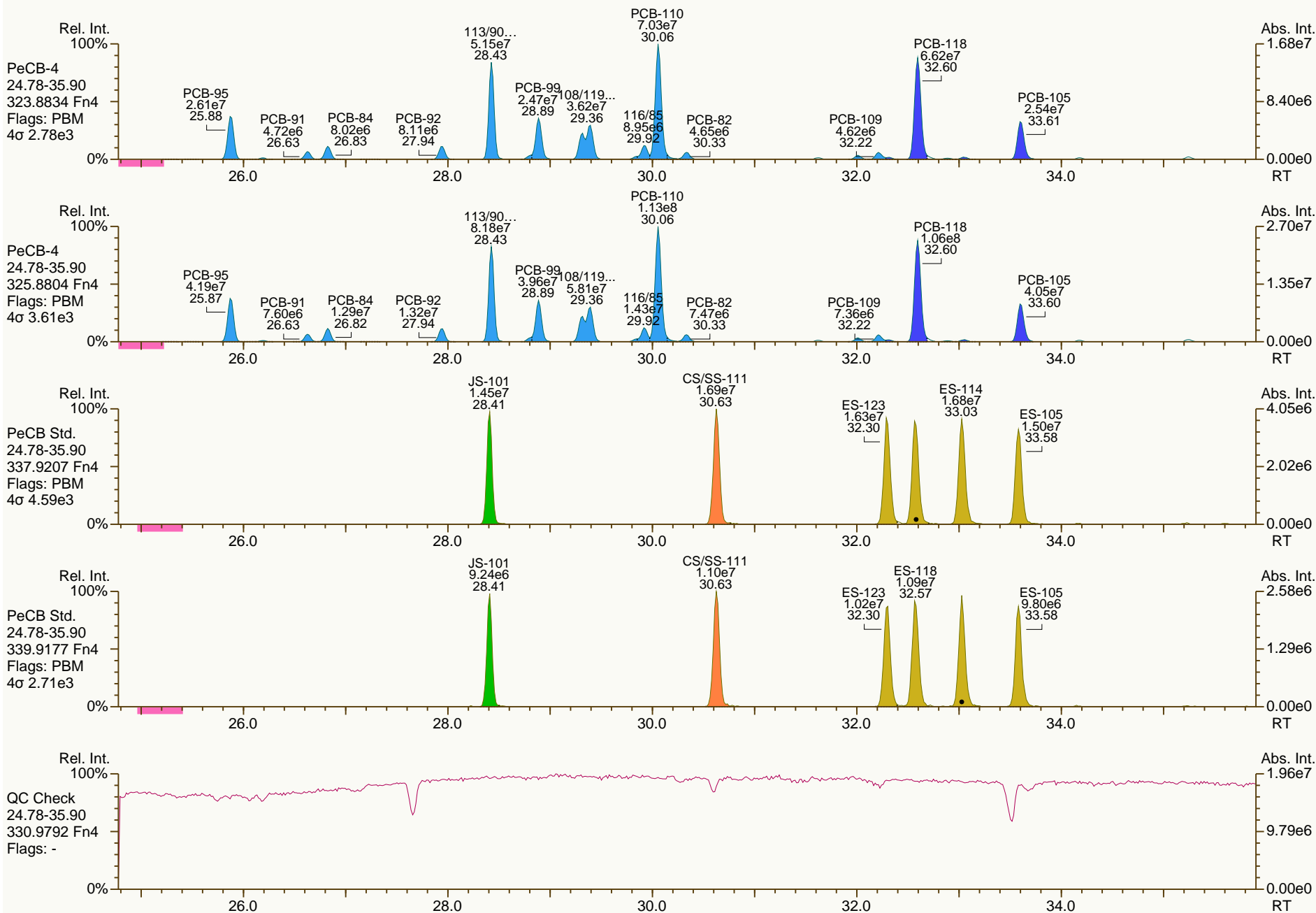
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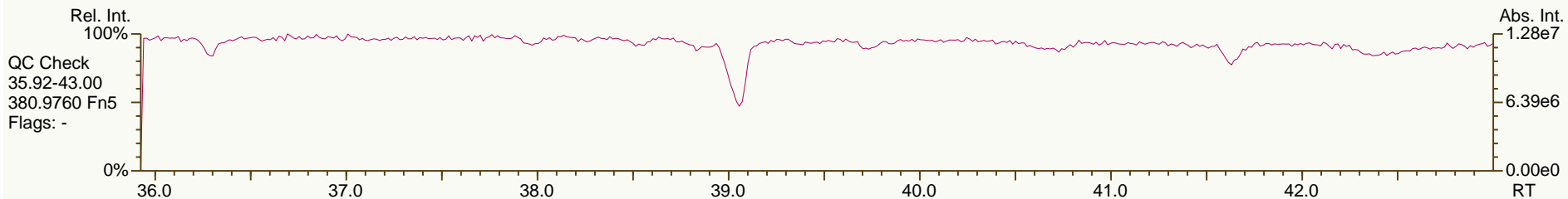
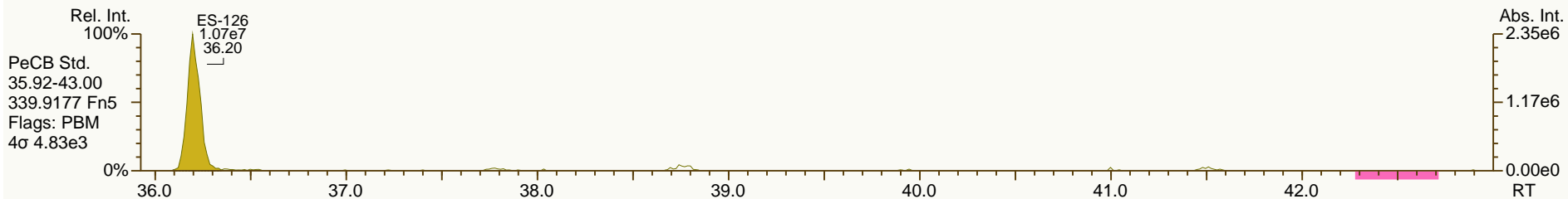
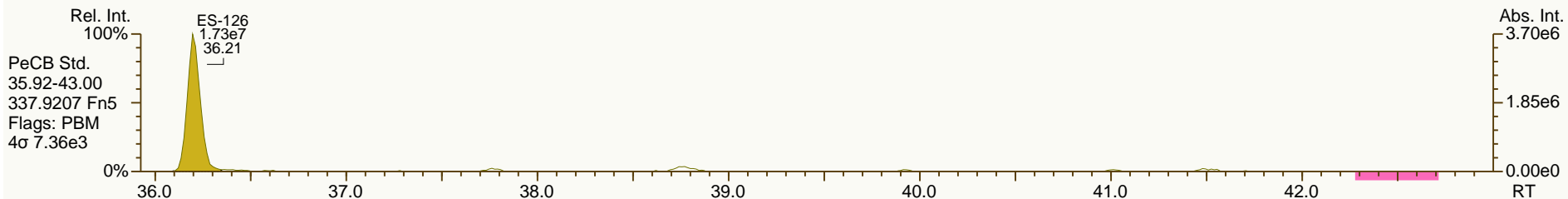
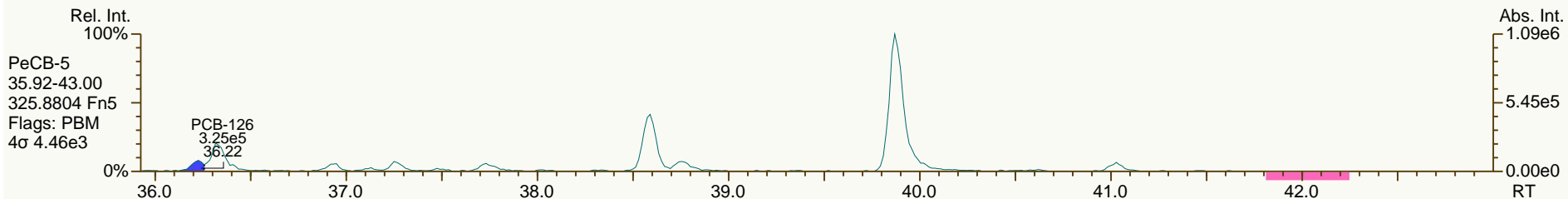
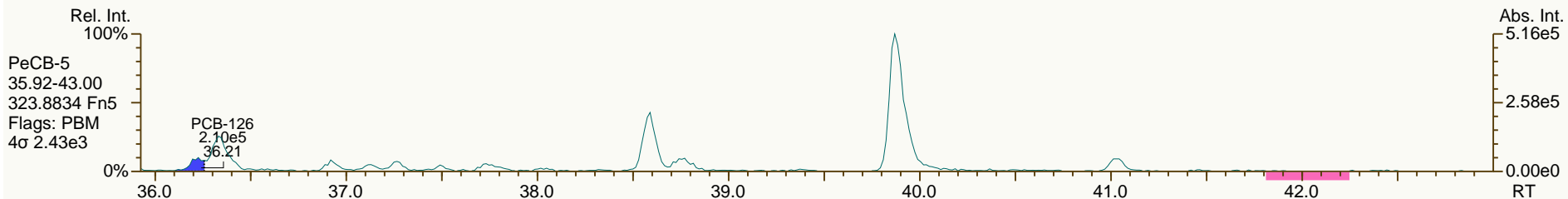
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SGS-AP ID: A5698_11123_PCB_005
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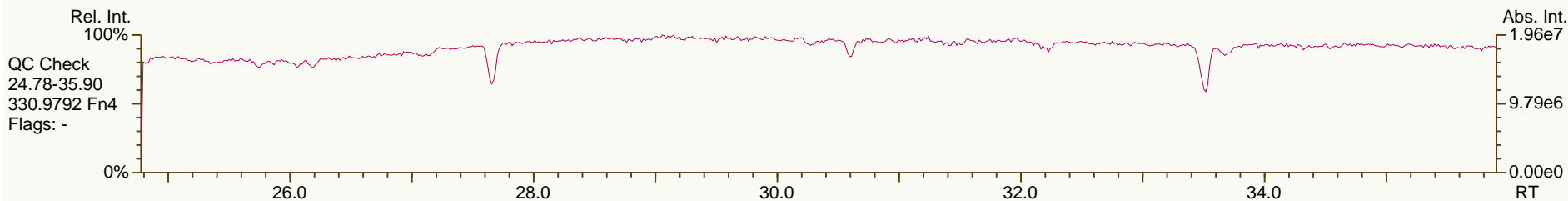
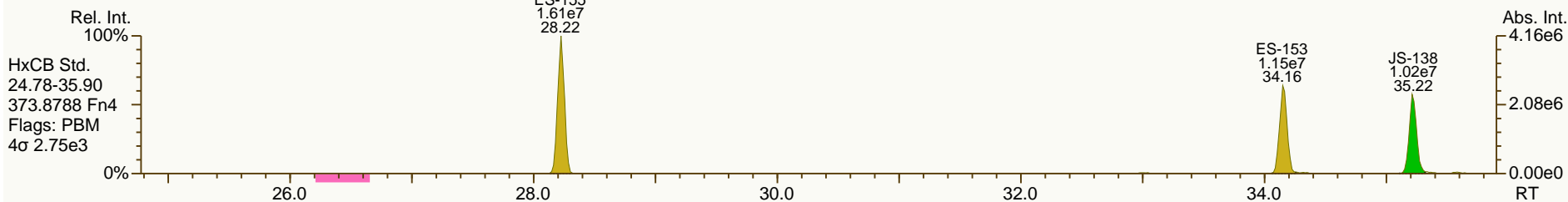
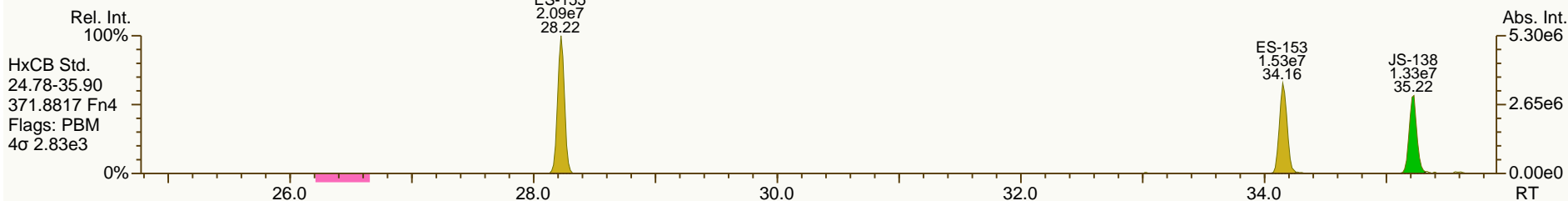
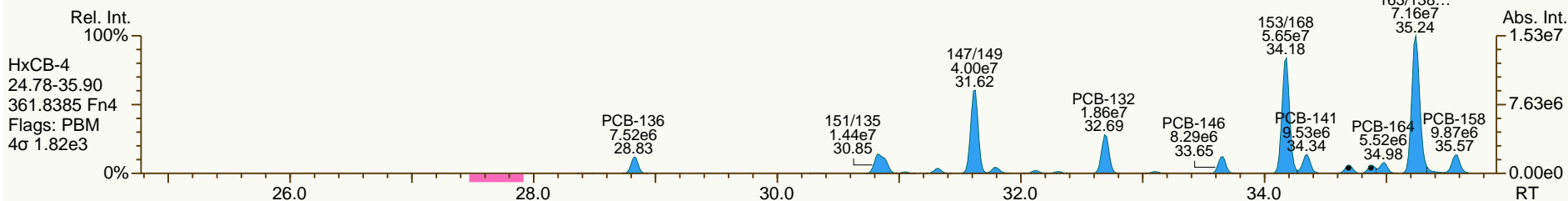
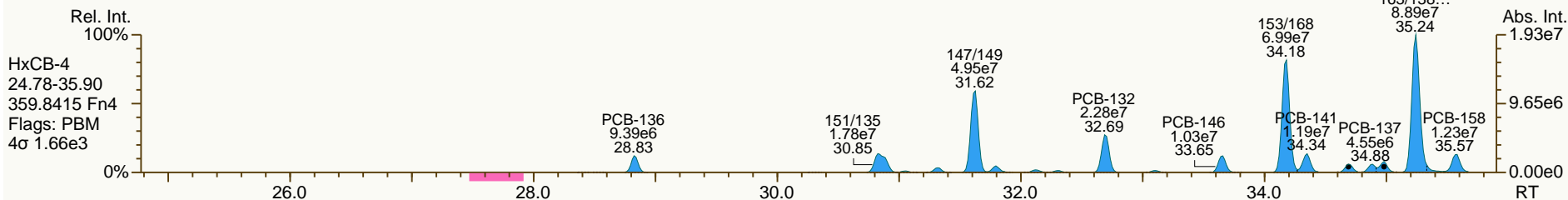
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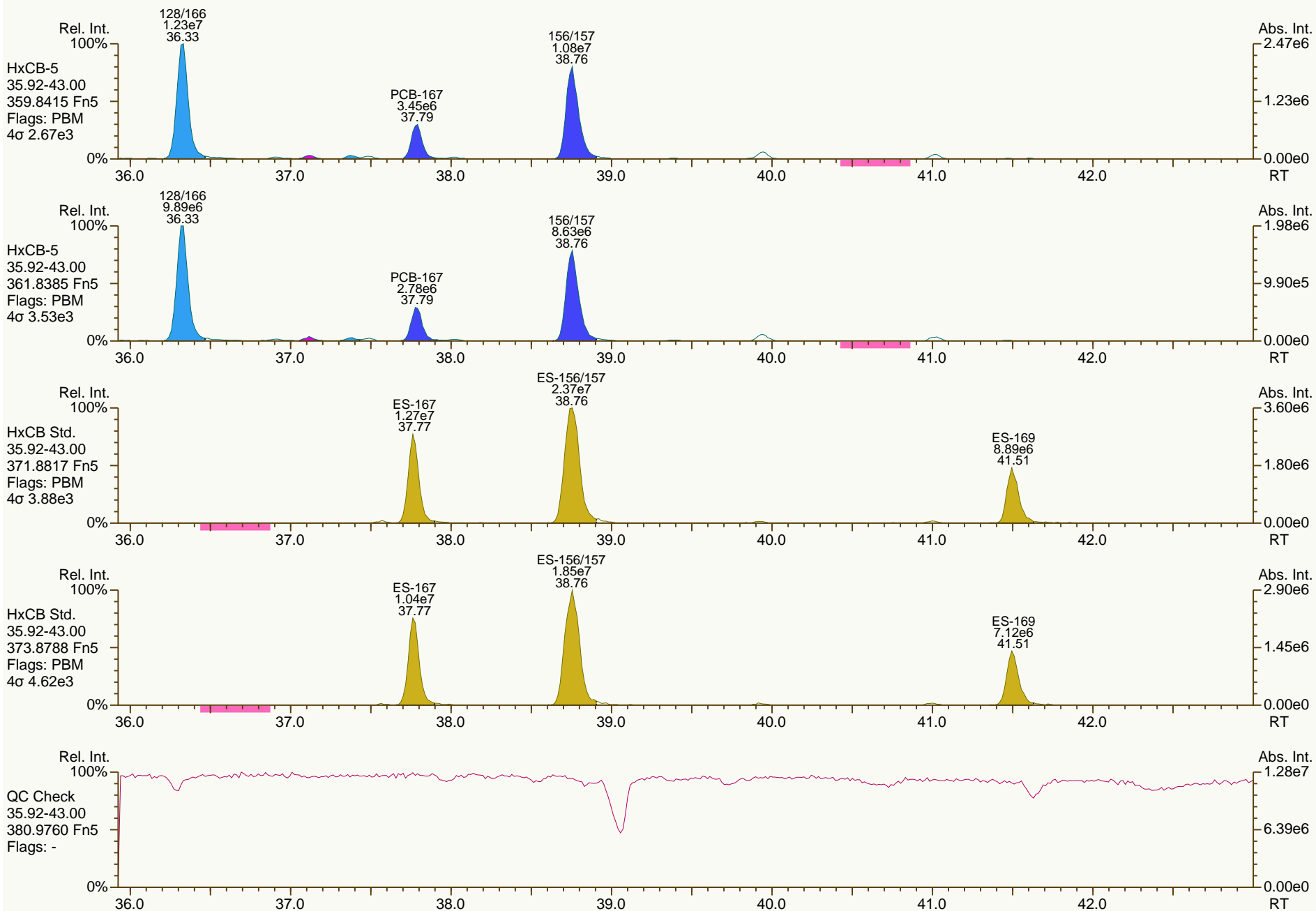
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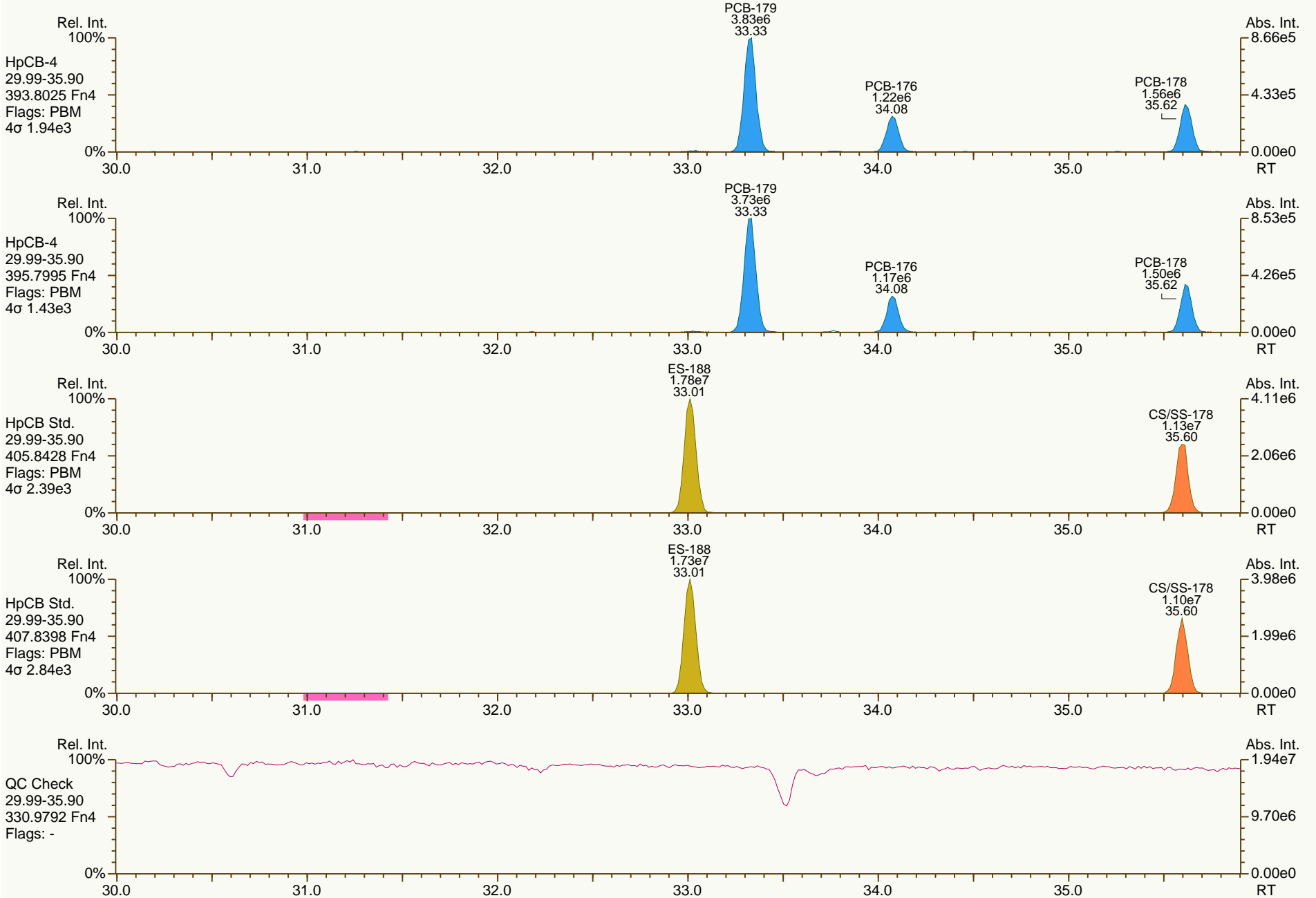
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SGS-AP ID: A5698_11123_PCB_005
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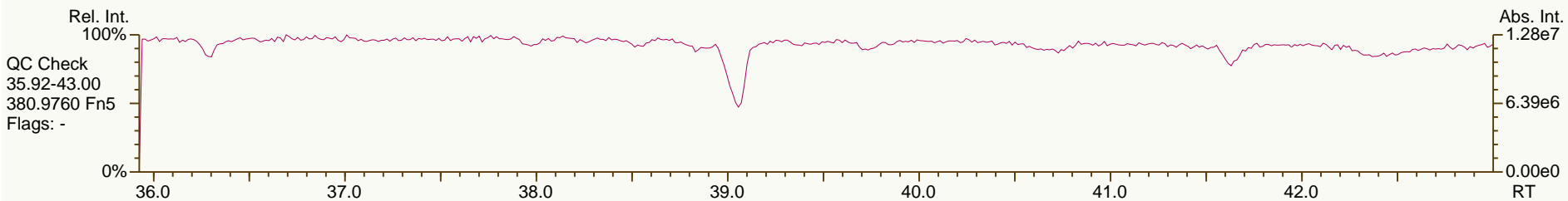
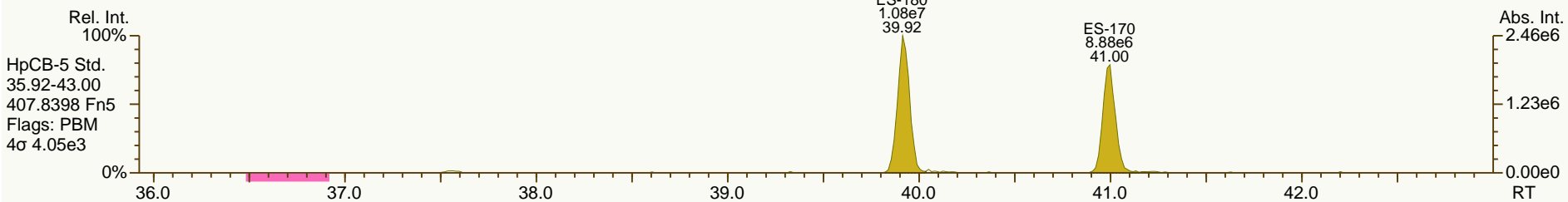
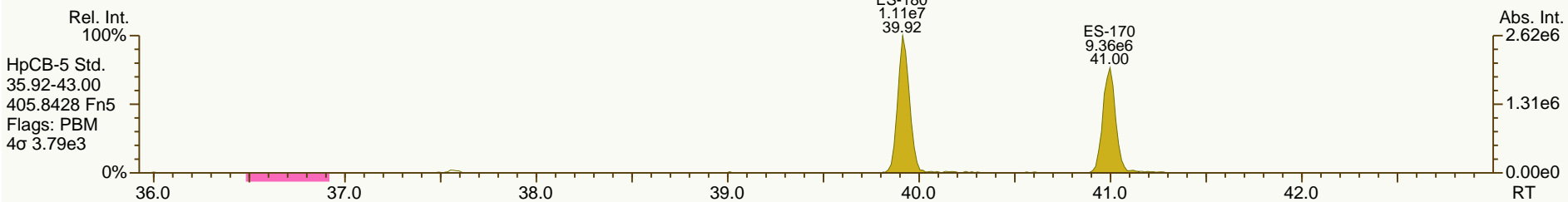
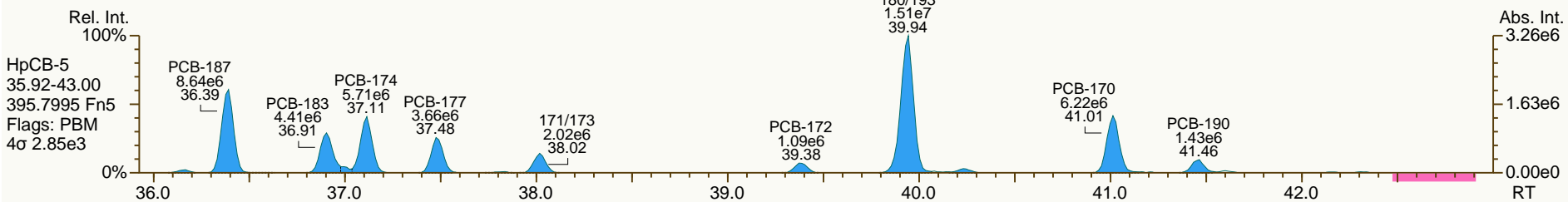
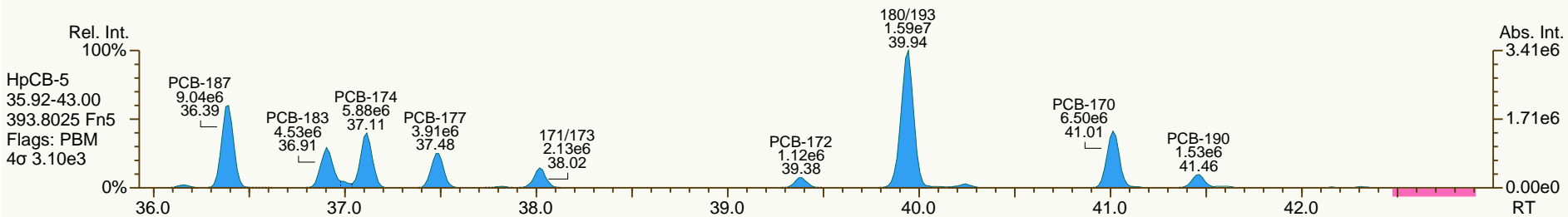
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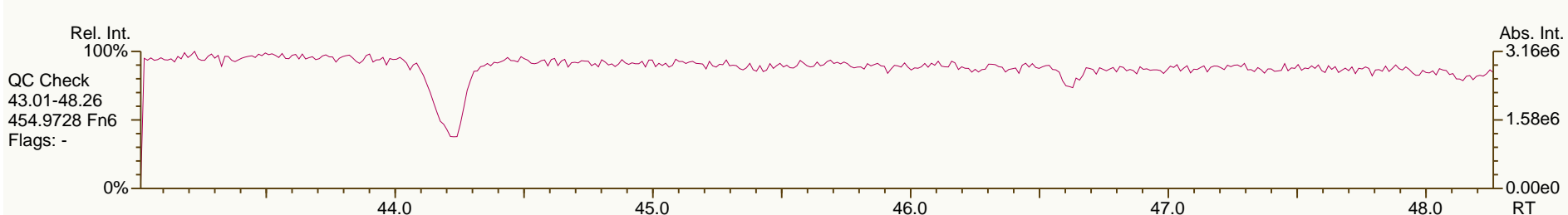
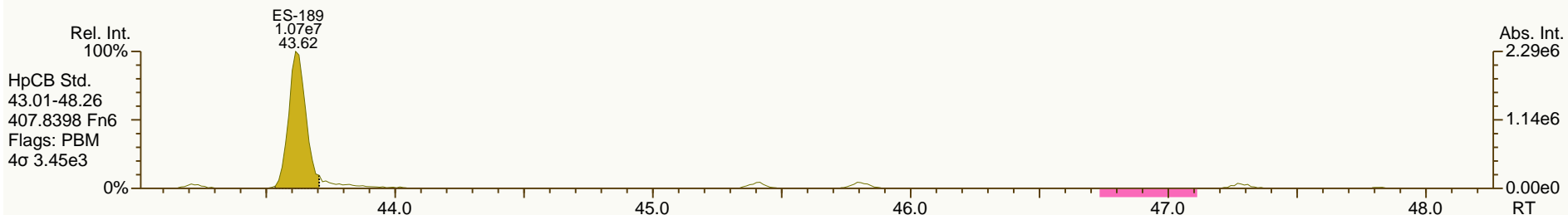
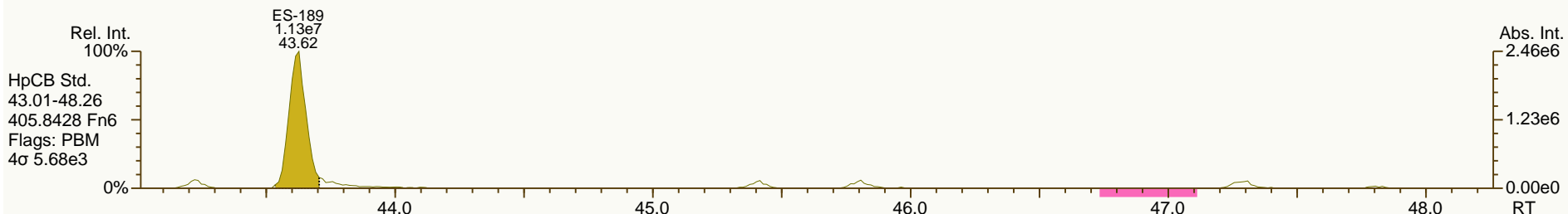
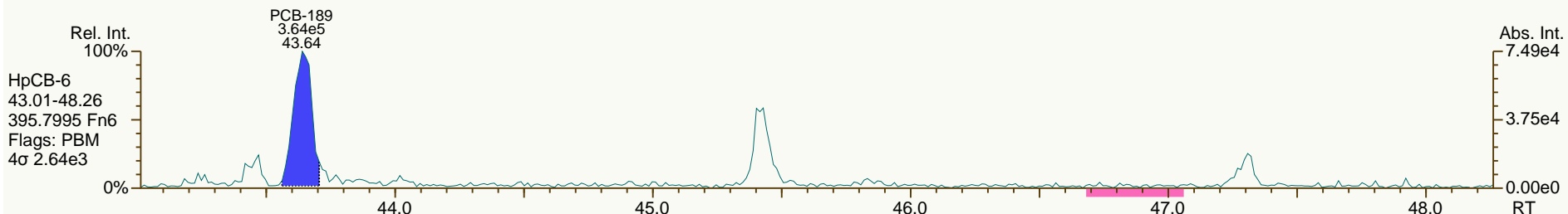
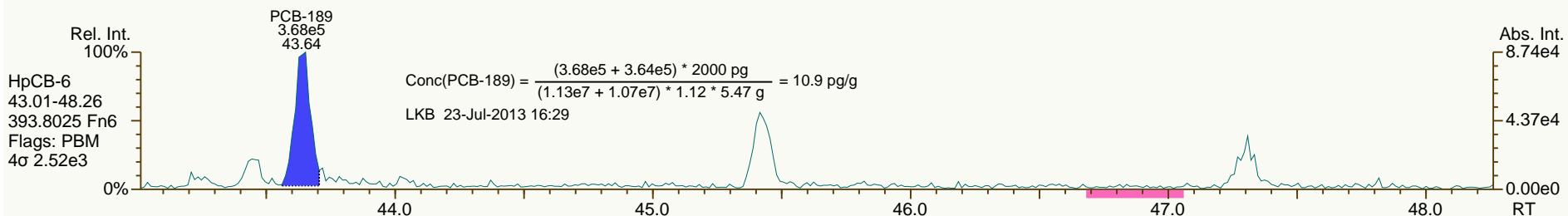
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SGS-AP ID: A5698_11123_PCB_005
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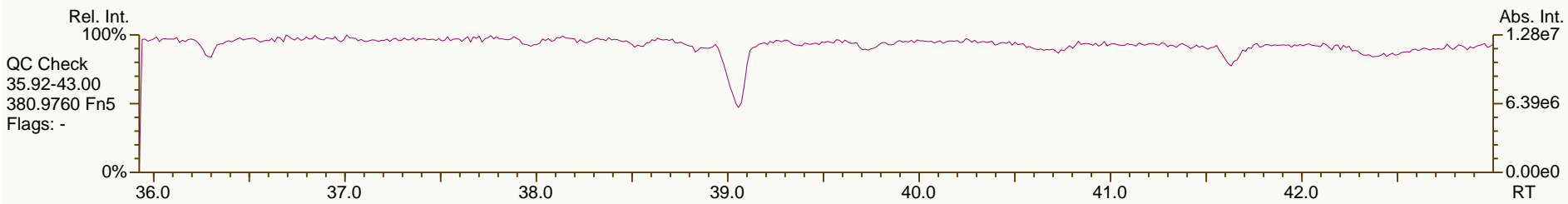
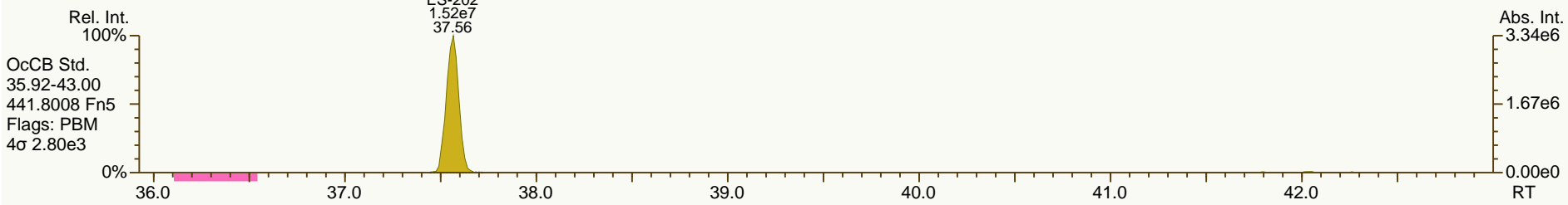
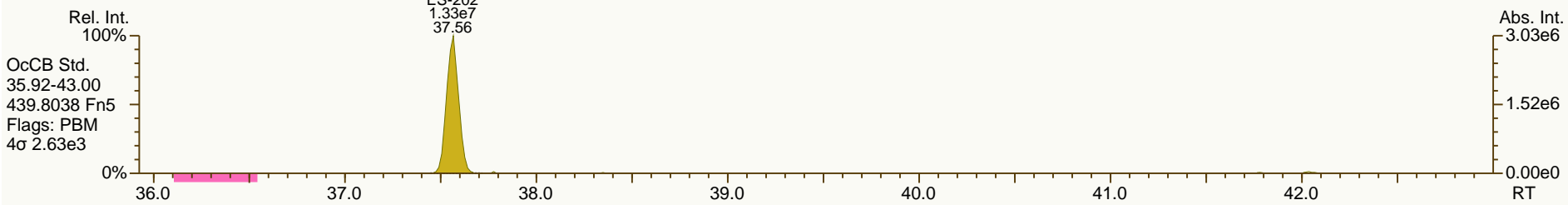
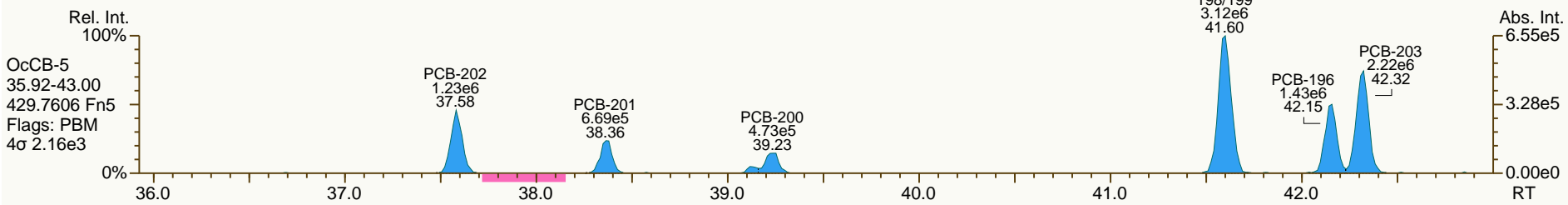
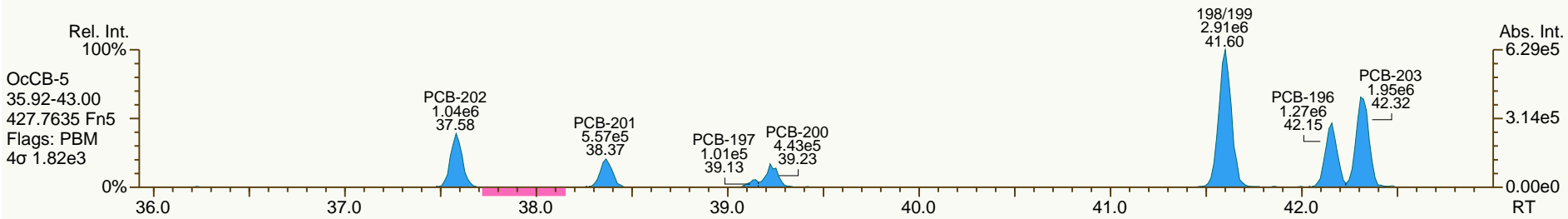
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SGS-AP ID: A5698_11123_PCB_005
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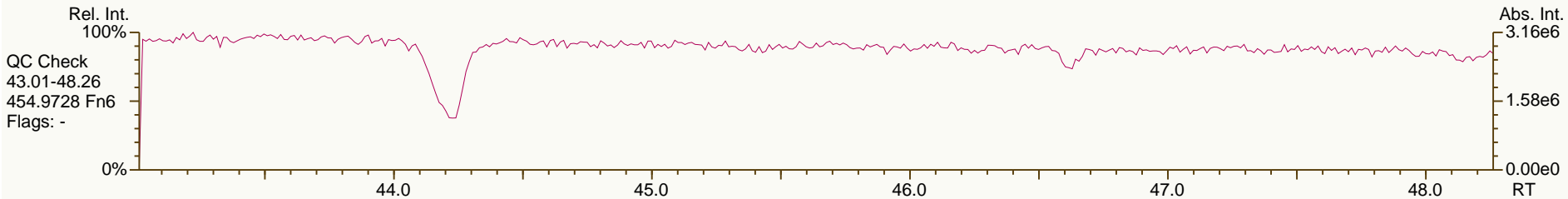
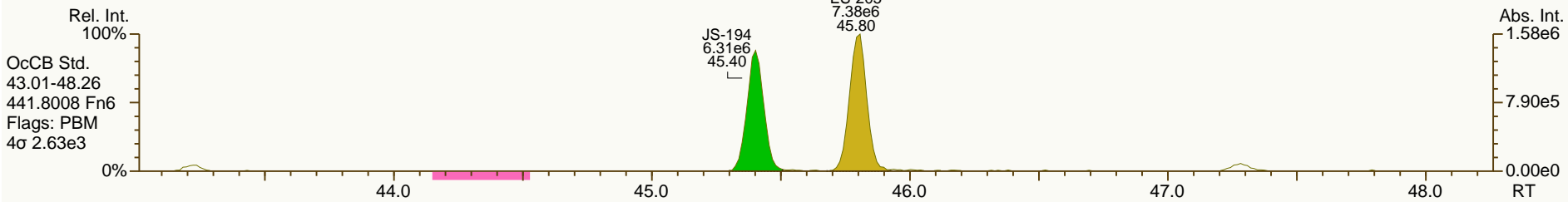
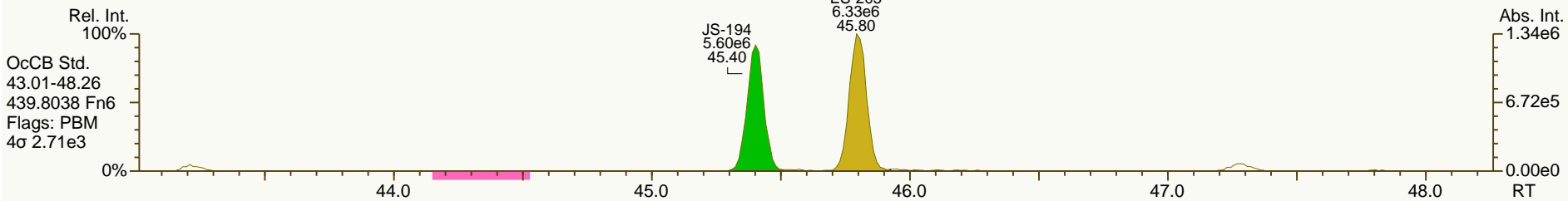
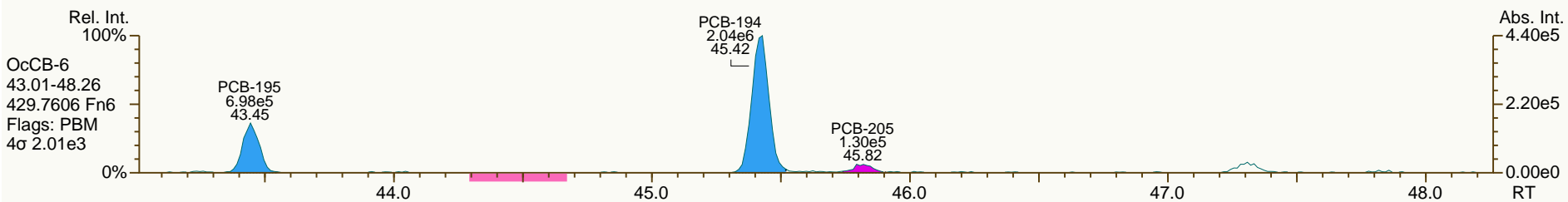
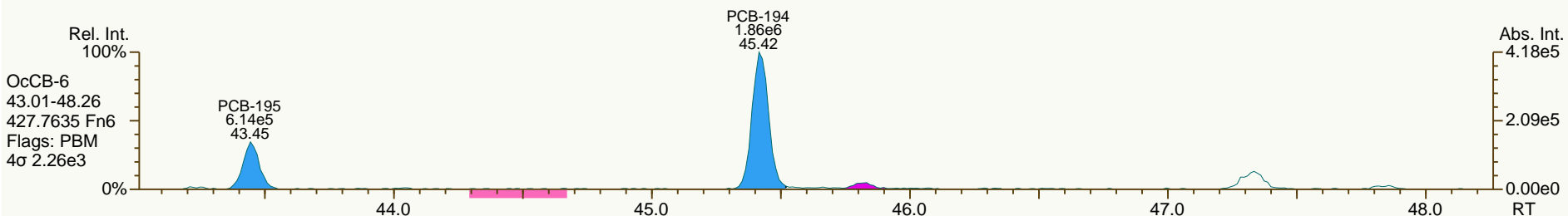
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-214-130429
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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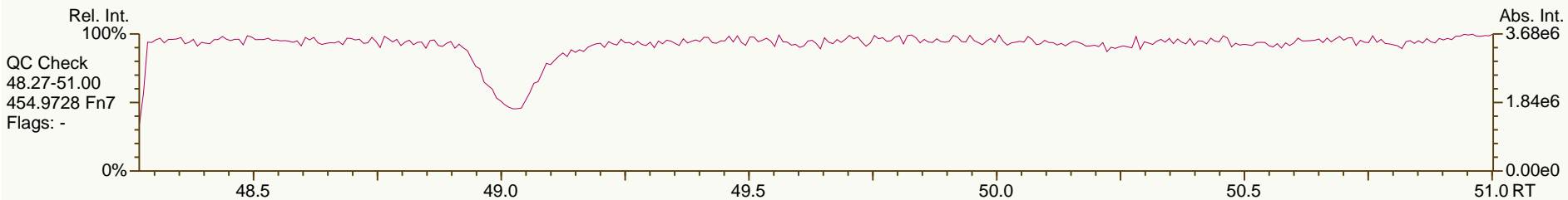
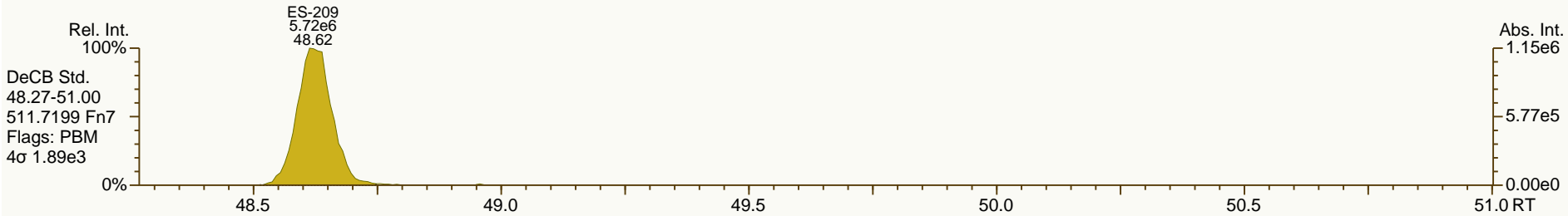
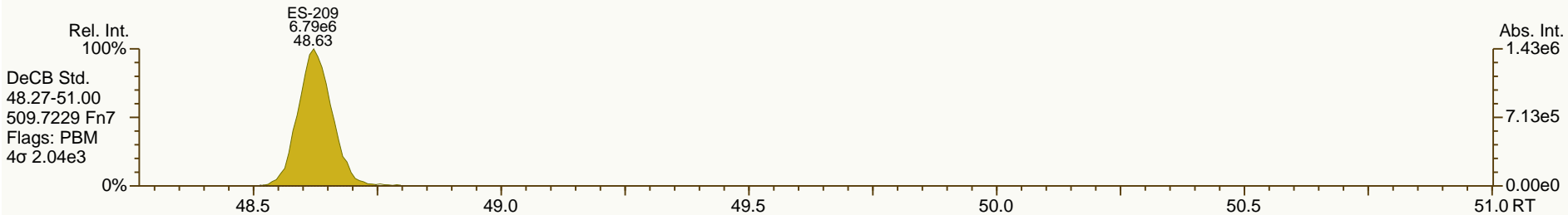
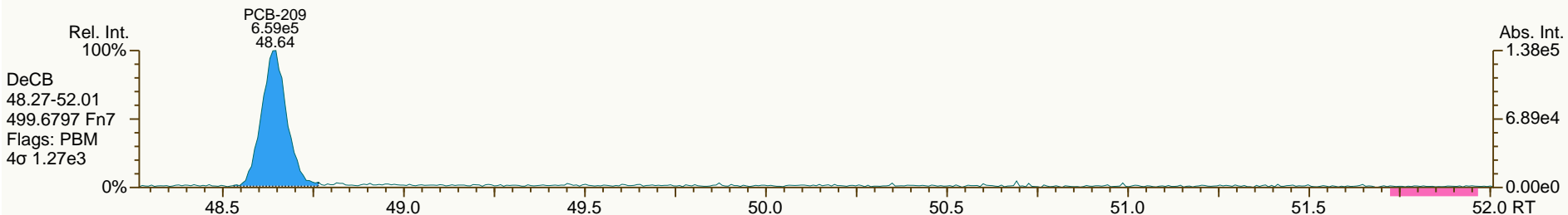
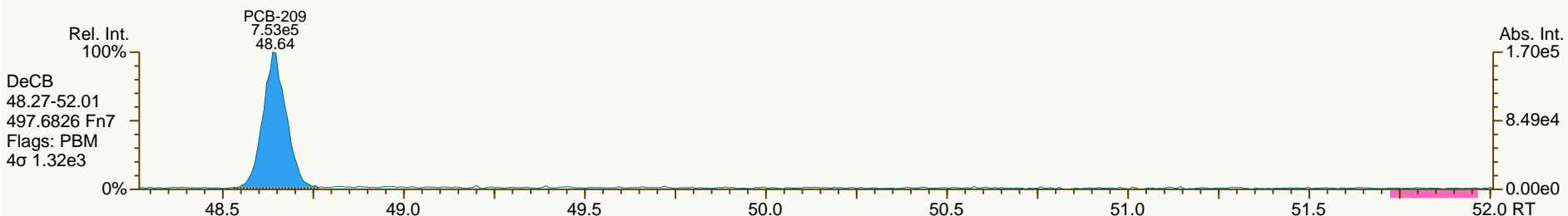
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SGS-AP ID: A5698_11123_PCB_005
 Instr: AutoSpec-Premier MM6

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Lab ID: A5698_11123_PCB_006

ACQ: 19-Jul-2013 20:58:36 JLJ

Wt/Vol: 5.78 g

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Client ID: JW-SS-215-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.73 pg/g Split: 1

Checkcode: 635-390-KBR

Datafile: 130719V16

RPT: 23-Jul-2013 16:22 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	1.12E+07	0.78	1.25	97.8	2.06E+04	2.13
PCB-81 344'5'-TeCB	30.14		1.0005	1.0009	+0.7	4.02E+05	0.72	1.26	3.34	2.06E+04	1.99
PCB-105 233'44'-PeCB	33.59		1.0006	1.0007	+0.2	4.66E+07	0.62	1.06	662	1.04E+04	1.66
PCB-114 2344'5'-PeCB	33.04		1.0007	1.0007	0	2.55E+06	0.61	1.11	31.7	1.04E+04	1.42
PCB-118 23'44'5'-PeCB	32.59		1.0008	1.0007	-0.2	1.20E+08	0.62	1.08	1,460	1.04E+04	1.44
PCB-123 23'44'5'-PeCB	32.31		1.0006	1.0007	+0.2	1.93E+06	0.62	1.12	23.9	1.04E+04	1.46
PCB-126 33'44'5'-PeCB	36.20		1.0007	1.0003	-0.9	4.31E+05	0.58	1.16	5.19	6.61E+03	0.885
PCB-156/157 ...-HxCB	38.75	C	1.0004	1.0001	-0.7	1.20E+07	1.27	1.14	183	6.04E+03	1.57
PCB-167 23'44'55'-HxCB	37.78		1.0005	1.0005	0	4.12E+06	1.23	1.18	56.4	6.04E+03	0.991
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	6.04E+03	1.77
PCB-189 233'44'55'-HpCB	43.63		1.0005	1.0003	-0.5	7.43E+05	1.05	1.12	10.4	4.15E+03	0.716
PCB-209 DeCB	48.63		1.0004	1.0004	0	1.33E+06	1.15	1.11	32.4	3.65E+03	1.08
ES PCB-1	10.55		0.7199	0.7196	-0.2	3.35E+07	3.21	0.97	65.8 %	25%	150%
ES PCB-3	12.60		0.8600	0.8596	-0.3	3.75E+07	3.23	0.90	79.6 %	25%	150%
ES PCB-4	12.84		0.8759	0.8754	-0.4	3.22E+07	1.54	0.70	87.8 %	25%	150%
ES PCB-15	18.17		1.2401	1.2394	-0.8	5.35E+07	1.62	1.02	101 %	25%	150%
ES PCB-19	15.69		1.0705	1.0699	-0.6	2.67E+07	1.03	0.53	96.7 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.52E+07	1.10	1.29	93.4 %	25%	150%
ES PCB-54	18.45		0.8227	0.8224	-0.3	3.31E+07	0.77	1.43	79.8 %	25%	150%
ES PCB-77	30.59		1.3634	1.3641	+1.3	3.17E+07	0.81	1.20	90.4 %	25%	150%
ES PCB-81	30.11		1.3420	1.3427	+1.3	3.31E+07	0.85	1.16	97.9 %	25%	150%
ES PCB-104	23.26		0.8213	0.8210	-0.4	3.11E+07	1.57	1.70	77.9 %	25%	150%
ES PCB-105	33.57		1.1849	1.1852	+0.6	2.31E+07	1.59	1.10	89.8 %	25%	150%
ES PCB-114	33.02		1.1652	1.1656	+0.8	2.50E+07	1.60	1.16	92.2 %	25%	150%
ES PCB-118	32.56		1.1492	1.1496	+0.8	2.63E+07	1.62	1.15	97.1 %	25%	150%
ES PCB-123	32.28		1.1394	1.1397	+0.6	2.50E+07	1.61	1.14	93.5 %	25%	150%
ES PCB-126	36.19		1.2772	1.2778	+1.3	2.48E+07	1.61	1.34	79.2 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.73E+07	1.31	1.14	108 %	25%	150%
ES PCB-155	28.13		0.7994	0.7991	-0.5	3.69E+07	1.34	1.61	106 %	25%	150%
ES PCB-156/157	38.75		1.1004	1.1005	+0.2	3.97E+07	1.24	0.98	94 %	25%	150%
ES PCB-167	37.76		1.0723	1.0724	+0.2	2.14E+07	1.24	1.01	98.1 %	25%	150%
ES PCB-169	41.49		1.1781	1.1784	+0.7	1.42E+07	1.27	0.90	73 %	25%	150%
ES PCB-170	40.98		0.9031	0.9029	-0.5	1.74E+07	1.05	1.28	115 %	25%	150%
ES PCB-180	39.91		0.8794	0.8793	-0.2	2.14E+07	1.06	1.54	119 %	25%	150%
ES PCB-188	33.00		0.7275	0.7271	-0.8	3.36E+07	1.07	1.63	95.7 %	25%	150%
ES PCB-189	43.61		0.9610	0.9609	-0.3	2.22E+07	1.07	1.97	95.1 %	25%	150%
ES PCB-202	37.55		0.8277	0.8274	-0.7	2.76E+07	0.91	1.26	101 %	25%	150%
ES PCB-205	45.78		1.0088	1.0088	0	1.37E+07	0.91	1.22	94.4 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.26		1.0412	1.0413	+0.3	1.35E+07	0.79	1.10	103 %	25%	150%
ES PCB-208	43.20		0.9520	0.9518	-0.5	1.89E+07	0.79	1.41	113 %	25%	150%
ES PCB-209	48.61		1.0711	1.0710	-0.3	1.27E+07	1.20	1.24	86.1 %	25%	150%
SS PCB-28	20.84		0.9292	0.9290	-0.3	4.17E+07	1.09	1.18	100 %	30%	135%
SS PCB-111	30.61		1.0804	1.0805	+0.2	2.60E+07	1.50	1.01	103 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.21E+07	1.01	0.60	109 %	30%	135%
CS PCB-28	20.84		0.9292	0.9290	-0.3	4.17E+07	1.09	1.52	93.9 %	30%	135%
CS PCB-111	30.61		1.0804	1.0805	+0.2	2.60E+07	1.50	1.15	96.5 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.21E+07	1.01	0.98	105 %	30%	135%
JS PCB-9	14.66					5.24E+07	1.61				
JS PCB-52	22.43					2.91E+07	0.77				
JS PCB-101	28.33					2.34E+07	1.58				
JS PCB-138	35.21					2.16E+07	1.31				
JS PCB-194	45.39					1.19E+07	0.89				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	218	218	0.523		
						Di-CBs	866	866	0.508		
						Tri-CBs	2,730	2,730	0.729		
						Tetra-CBs	6,640	6,640	1.18		
						Penta-CBs	10,200	10,200	1.2		
						Hexa-CBs	6,210	6,210	1.15		
						Hepta-CBs	2,090	2,090	0.859		
						Octa-CBs	542	542	1.04		
						Nona-CBs	94.9	94.9	1.28		
PCB-1 2-MoCB	10.56		1.0011	1.0011	0	9.91E+06	3.04	1.25	82.2	9.14E+03	0.537
PCB-2 3-MoCB	12.45		0.9877	0.9878	+0.1	7.17E+06	3.05	1.26	52.6	9.14E+03	0.511
PCB-3 4-MoCB	12.62		1.0010	1.0010	0	1.14E+07	3.01	1.27	82.9	9.14E+03	0.508
PCB-4 22'-DiCB	12.85		1.0011	1.0012	+0.1	3.50E+06	1.55	0.90	41.9	6.30E+03	0.566
PCB-10 26-DiCB	13.01		1.0136	1.0135	-0.1	3.29E+05	1.52	1.40	2.53	6.30E+03	0.363
PCB-9 25-DiCB	14.68		1.0010	1.0009	-0.1	1.82E+06	1.40	1.00	11.7	8.17E+03	0.493
PCB-7 24-DiCB	14.82		1.0113	1.0110	-0.3	1.42E+06	1.68	1.12	8.17	8.17E+03	0.439
PCB-6 23'-DiCB	15.04		1.0261	1.0257	-0.4	5.87E+06	1.51	1.03	36.9	8.17E+03	0.479
PCB-5 23-DiCB	15.32		1.0452	1.0448	-0.4	7.72E+05	1.45	1.05	4.78	8.17E+03	0.472
PCB-8 24'-DiCB	15.43		1.0529	1.0524	-0.5	2.92E+07	1.54	1.06	179	8.17E+03	0.468
PCB-14 35-DiCB	16.89		0.9293	0.9292	-0.1	4.07E+05	SI	1.22	2.16	8.17E+03	0.405
PCB-11 33'-DiCB	17.64		0.9704	0.9704	0	5.94E+07	1.54	0.98	394	8.17E+03	0.506
PCB-13/12 34'/34-DiCB	17.90	C	0.9856	0.9851	-0.5	5.02E+06	1.49	0.98	33.1	8.17E+03	0.503
PCB-15 44'-DiCB	18.19		1.0008	1.0008	0	2.57E+07	1.50	1.10	152	8.17E+03	0.45

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.71		1.0011	1.0012	+0.1	1.06E+06	1.08	0.95	14.5	6.14E+03	0.706
PCB-30/18 246/22'5-TrCB	17.37	C	1.1064	1.1074	+1.0	2.31E+07	1.04	1.22	245	6.14E+03	0.546
PCB-17 22'4-TrCB	17.74		1.1310	1.1309	-0.1	9.68E+06	1.04	1.05	119	6.14E+03	0.634
PCB-27 23'6-TrCB	17.93		1.1431	1.1430	-0.1	2.21E+06	1.03	1.39	20.7	6.14E+03	0.482
PCB-24 236-TrCB	18.05		1.1507	1.1505	-0.2	3.48E+05	1.11	1.36	3.33	6.14E+03	0.491
PCB-16 22'3-TrCB	18.15		1.1570	1.1570	0	6.67E+06	1.05	0.82	106	6.14E+03	0.815
PCB-32 24'6-TrCB	18.61		1.1861	1.1862	+0.1	1.06E+07	1.06	1.47	93.6	6.14E+03	0.453
PCB-34 23'5'-TrCB	19.71		0.8111	0.8107	-0.5	6.54E+05	1.05	1.53	4.2	1.04E+04	0.681
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.04E+04	0.66
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8272	-1.2	1.41E+07	1.04	1.56	89.1	1.04E+04	0.671
PCB-25 23'4-TrCB	20.32		0.8362	0.8358	-0.5	7.32E+06	1.01	1.59	45.2	1.04E+04	0.656
PCB-31 24'5-TrCB	20.60		0.8473	0.8470	-0.4	8.99E+07	1.03	1.62	545	1.04E+04	0.644
PCB-28/20 244'/233'-TrCB	20.86	C	0.8586	0.8577	-1.1	1.09E+08	1.03	1.51	706	1.04E+04	0.69
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8664	+1.0	4.36E+07	1.02	1.58	272	1.04E+04	0.662
PCB-22 234'-TrCB	21.41		0.8808	0.8805	-0.4	2.99E+07	1.03	1.45	203	1.04E+04	0.722
PCB-36 33'5-TrCB	22.76		0.9359	0.9359	0	9.37E+05	1.12	1.55	5.95	1.04E+04	0.674
PCB-39 34'5-TrCB	23.10		0.9491	0.9500	+1.2	8.09E+05	0.98	1.53	5.18	1.04E+04	0.68
PCB-38 345-TrCB	23.59	J	0.9700	0.9703	+0.4	1.76E+05	0.96	1.46	1.19	1.04E+04	0.716
PCB-35 33'4-TrCB	23.98		0.9862	0.9862	0	3.06E+06	1.04	1.31	22.9	1.04E+04	0.796
PCB-37 344'-TrCB	24.34		1.0008	1.0008	0	3.26E+07	1.01	1.39	231	1.04E+04	0.752
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.51E+03	0.387
PCB-50/53 22'46/22'56'-TeCB	20.36	C	0.9086	0.9077	-1.1	4.59E+06	0.76	0.90	53.4	4.98E+03	0.672
PCB-45 22'36-TeCB	20.95		0.9340	0.9339	-0.1	3.85E+06	0.77	0.84	48.1	4.98E+03	0.722
PCB-51 22'46'-TeCB	21.01		0.9371	0.9370	-0.1	1.25E+06	0.82	0.86	15.3	4.98E+03	0.705
PCB-46 22'36'-TeCB	21.22		0.9464	0.9462	-0.3	1.43E+06	0.75	0.73	20.4	4.98E+03	0.825
PCB-52 22'55'-TeCB	22.45		1.0010	1.0010	0	8.52E+07	0.77	0.85	1,050	4.98E+03	0.711
PCB-73 23'5'6-TeCB	22.57	EMPC	1.0064	1.0063	-0.1	3.08E+05	0.92	1.15	2.8	4.98E+03	0.526
PCB-43 22'35-TeCB	22.66		1.0103	1.0102	-0.1	1.49E+06	0.76	0.74	21.1	4.98E+03	0.819
PCB-69/49 23'46/22'45'-TeCB	22.87	C	1.0188	1.0199	+1.5	4.23E+07	0.77	1.03	428	4.98E+03	0.584
PCB-48 22'45-TeCB	23.12		1.0310	1.0310	0	8.30E+06	0.78	0.85	102	4.98E+03	0.708
PCB-44/47/65 ...-TeCB	23.32	C	1.0404	1.0398	-0.8	5.91E+07	0.78	0.91	682	4.98E+03	0.666
PCB-59/62/75 ...-TeCB	23.60	C	1.0523	1.0524	+0.1	5.35E+06	0.78	1.15	48.6	4.98E+03	0.525
PCB-42 22'34'-TeCB	23.77		1.0599	1.0599	0	1.24E+07	0.79	0.82	159	4.98E+03	0.74
PCB-41 22'34-TeCB	24.09		1.0743	1.0743	0	2.71E+06	0.74	0.70	40.3	4.98E+03	0.86
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0790	+0.3	2.45E+07	0.78	0.88	291	4.98E+03	0.688
PCB-64 234'6-TeCB	24.39		1.0874	1.0874	0	3.05E+07	0.78	1.24	257	4.98E+03	0.487
PCB-72 23'55'-TeCB	25.10		0.8338	0.8336	-0.3	1.84E+06	0.74	1.37	14	2.06E+04	1.82
PCB-68 23'45'-TeCB	25.35		0.8421	0.8419	-0.3	1.04E+06	0.80	1.44	7.59	2.06E+04	1.74
PCB-57 233'5-TeCB	25.72		0.8542	0.8540	-0.3	3.73E+05	0.69	1.30	3.01	2.06E+04	1.93
PCB-58 233'5'-TeCB	25.92		0.8609	0.8608	-0.2	5.32E+05	0.75	1.29	4.31	2.06E+04	1.94
PCB-67 23'45-TeCB	26.07		0.8659	0.8657	-0.3	3.08E+06	0.79	1.38	23.3	2.06E+04	1.81
PCB-63 234'5-TeCB	26.29		0.8733	0.8732	-0.2	4.43E+06	0.79	1.43	32.5	2.06E+04	1.76
PCB-61/70/74/76 ...-TeCB	26.59	C	0.8835	0.8831	-0.6	2.14E+08	0.78	1.34	1,680	2.06E+04	1.87
PCB-66 23'44'-TeCB	26.86		0.8921	0.8920	-0.2	1.13E+08	0.78	1.22	970	2.06E+04	2.05
PCB-55 233'4-TeCB	27.01		0.8970	0.8971	+0.2	1.60E+06	0.80	1.27	13.2	2.06E+04	1.97

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.44		0.9116	0.9112	-0.7	4.57E+07	0.77	1.23	390	2.06E+04	2.04
PCB-60 2344'-TeCB	27.63		0.9176	0.9174	-0.3	2.02E+07	0.78	1.24	170	2.06E+04	2.01
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	2.06E+04	1.7
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	2.63E+06	0.77	1.37	20.2	2.06E+04	1.83
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	2.06E+04	2.19
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.27E+03	0.322
PCB-96 22'366'-PeCB	23.60		1.0149	1.0148	-0.1	5.70E+05	0.67	1.00	6.36	3.27E+03	0.361
PCB-103 22'45'6'-PeCB	25.26		0.8920	0.8919	-0.2	6.39E+05	0.63	0.92	9.65	1.04E+04	1.78
PCB-94 22'356'-PeCB	25.46		0.8988	0.8987	-0.2	2.99E+05	0.59	0.80	5.17	1.04E+04	2.04
PCB-95 22'35'6'-PeCB	25.84		0.9122	0.9121	-0.2	6.20E+07	0.62	0.85	1,010	1.04E+04	1.92
PCB-100/93 22'44'6'/22'356'-PeCB	26.01	C	0.9190	0.9182	-1.2	6.31E+05	0.61	0.87	9.99	1.04E+04	1.87
PCB-102 22'456'-PeCB	26.15		0.9234	0.9231	-0.5	2.22E+06	0.64	0.86	35.6	1.04E+04	1.89
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	1.04E+04	1.87
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	1.04E+04	2.24
PCB-91 22'34'6'-PeCB	26.58		0.9382	0.9383	+0.2	1.09E+07	0.62	1.01	149	1.04E+04	1.62
PCB-84 22'33'6'-PeCB	26.77		0.9453	0.9452	-0.2	1.84E+07	0.63	0.74	343	1.04E+04	2.2
PCB-89 22'346'-PeCB	27.18		0.9597	0.9596	-0.2	7.69E+05	0.63	0.78	13.6	1.04E+04	2.09
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	1.04E+04	1.4
PCB-92 22'355'-PeCB	27.85		0.9830	0.9830	0	1.73E+07	0.63	0.83	289	1.04E+04	1.98
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	1.05E+08	0.62	0.96	1,520	1.04E+04	1.7
PCB-83 22'33'5'-PeCB	28.75		1.0151	1.0150	-0.2	4.15E+06	0.61	0.69	82.9	1.04E+04	2.36
PCB-99 22'44'5'-PeCB	28.85		1.0182	1.0183	+0.2	5.06E+07	0.63	0.87	807	1.04E+04	1.88
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	1.04E+04	1.46
PCB-108/119/86/97/125...-PeCB	29.33	C	1.0331	1.0353	+3.9	7.05E+07	0.62	0.95	1,030	1.04E+04	1.72
PCB-117 234'56'-PeCB	29.80		1.0524	1.0521	-0.5	1.99E+06	0.61	0.98	28.2	1.04E+04	1.67
PCB-116/85 23456/22'344'-PeCB	29.89	C	1.0553	1.0553	0	1.77E+07	0.61	0.98	249	1.04E+04	1.66
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0604	+0.7	1.36E+08	0.62	0.95	1,980	1.04E+04	1.71
PCB-115 2344'6'-PeCB	30.14		1.0628	1.0642	+2.5	3.28E+06	0.63	1.24	36.8	1.04E+04	1.32
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0701	0	9.10E+06	0.62	0.72	175	1.04E+04	2.27
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	1.04E+04	1.41
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	1.04E+04	1.44
PCB-107/124 ...-PeCB	32.00	C	0.9910	0.9912	+0.4	4.15E+06	0.63	1.01	56.6	1.04E+04	1.61
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	8.77E+06	0.62	1.09	111	1.04E+04	1.5
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	1.04E+04	1.63
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0094	-0.8	1.45E+06	0.66	0.94	21.4	1.04E+04	1.69
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	1.04E+04	1.71
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.17E+03	0.274
PCB-152 22'3566'-HxCB	28.33	J EMPC	1.0070	1.0071	+0.2	7.83E+04	1.65	1.00	0.734	3.17E+03	0.299
PCB-150 22'34'66'-HxCB	28.47	J	1.0119	1.0118	-0.2	1.43E+05	1.18	1.02	1.32	3.17E+03	0.295
PCB-136 22'33'66'-HxCB	28.78		1.0230	1.0231	+0.2	1.47E+07	1.25	0.91	151	3.17E+03	0.328
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.17E+03	0.32
PCB-148 22'34'56'-HxCB	30.31	J	1.0772	1.0775	+0.5	1.32E+05	1.27	1.01	1.65	3.17E+03	0.419
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0959	0	2.94E+07	1.24	0.97	384	3.17E+03	0.437
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1030	+0.4	1.31E+06	1.25	1.10	15	3.17E+03	0.386
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1126	+0.4	4.27E+06	1.22	1.00	54	3.17E+03	0.424

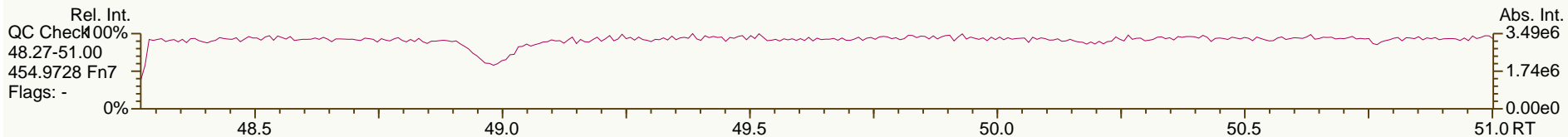
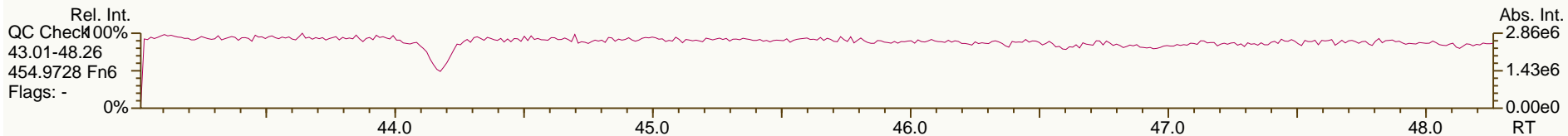
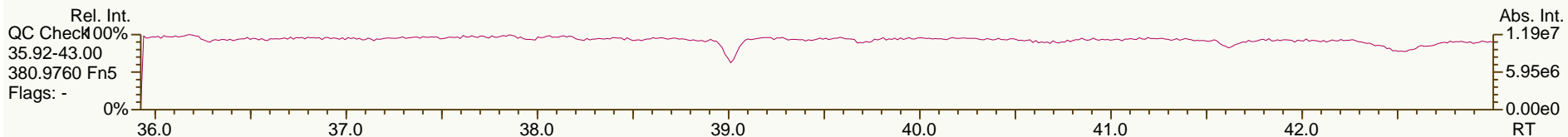
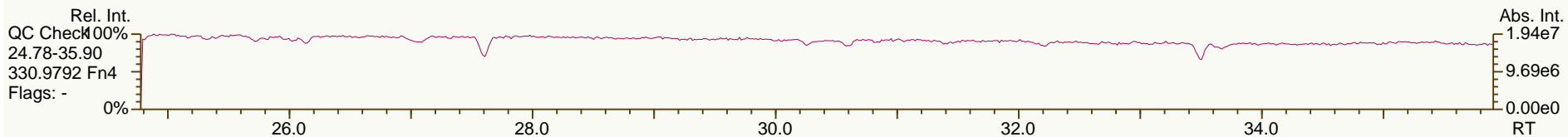
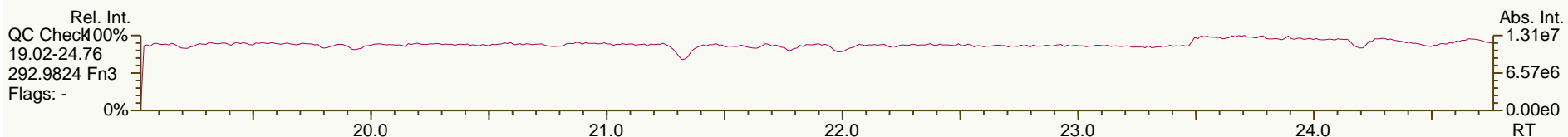
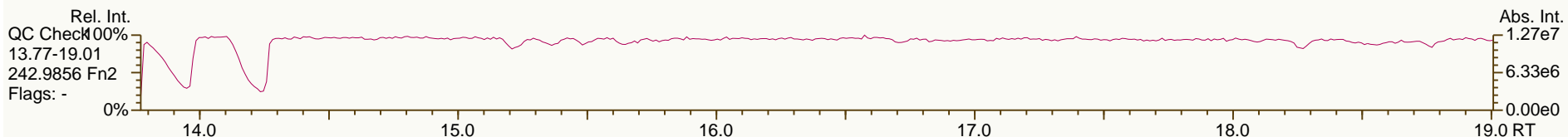
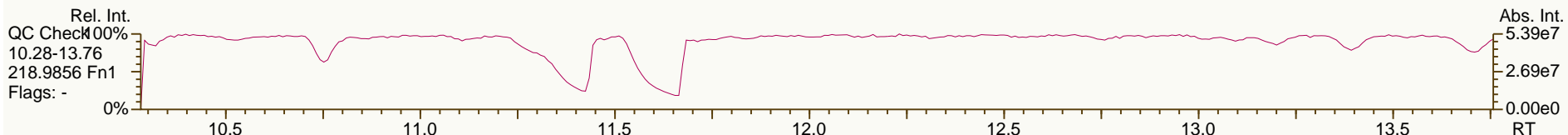
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PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1233	+0.4	7.59E+07	1.24	0.99	970	3.17E+03	0.428
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1295	+0.4	4.88E+06	1.22	0.82	75.7	3.17E+03	0.52
PCB-143 22'34'56"-HxCB	31.86		1.1322	1.1325	+0.6	3.73E+05	1.19	0.97	4.86	3.17E+03	0.437
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1413	+0.2	1.95E+06	1.25	1.01	24.4	3.17E+03	0.421
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1478	+0.6	1.20E+06	1.23	0.88	17.3	3.17E+03	0.482
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.17E+03	0.473
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1617	+0.8	3.05E+07	1.24	0.91	425	3.17E+03	0.468
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1761	+0.8	1.67E+06	1.24	0.93	22.9	3.17E+03	0.459
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.17E+03	0.385
PCB-146 22'34'55"-HxCB	33.64		0.9555	0.9555	0	1.64E+07	1.24	0.96	217	3.17E+03	0.445
PCB-161 233'45'6"-HxCB	33.75	J	0.9588	0.9587	-0.2	1.09E+05	1.12	1.27	1.09	3.17E+03	0.334
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9703	-1.2	1.07E+08	1.25	1.24	1,090	3.17E+03	0.344
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9751	0	1.69E+07	1.26	0.95	225	3.17E+03	0.446
PCB-130 22'33'45"-HxCB	34.68		0.9850	0.9850	0	6.90E+06	1.26	0.83	106	3.17E+03	0.515
PCB-137 22'34'4'5"-HxCB	34.87		0.9904	0.9903	-0.2	4.73E+06	1.20	1.02	58.7	3.17E+03	0.416
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9930	-0.2	9.25E+06	1.24	1.18	99.5	3.17E+03	0.361
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	1.19E+08	1.24	0.96	1,580	3.17E+03	0.443
PCB-160 233'456"-HxCB	35.38		1.0045	1.0047	+0.4	2.17E+06	1.35	1.24	22.1	3.17E+03	0.342
PCB-158 233'44'6"-HxCB	35.56		1.0101	1.0100	-0.2	1.54E+07	1.23	1.29	151	3.17E+03	0.329
PCB-128/166 ...-HxCB	36.32	C	0.9615	0.9619	+0.9	1.54E+07	1.24	0.97	257	6.04E+03	1.21
PCB-159 233'455"-HxCB	37.10		0.9832	0.9827	-1.1	8.44E+05	1.18	1.11	12.3	6.04E+03	1.06
PCB-162 233'4'55"-HxCB	37.37		0.9896	0.9896	0	3.17E+05	1.18	1.08	4.72	6.04E+03	1.08
PCB-188 22'34'566"-HpCB	33.02	J EMPC	1.0007	1.0006	-0.2	4.83E+04	1.27	0.98	0.506	3.27E+03	0.363
PCB-179 22'33'566"-HpCB	33.32		1.0095	1.0096	+0.2	9.65E+06	1.03	0.92	108	3.27E+03	0.388
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.27E+03	0.39
PCB-176 22'33'466"-HpCB	34.07		1.0322	1.0323	+0.2	2.92E+06	1.00	1.01	29.6	3.27E+03	0.352
PCB-186 22'34'566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.27E+03	0.37
PCB-178 22'33'55'6"-HpCB	35.61		1.0787	1.0789	+0.4	3.64E+06	1.05	0.72	52.3	3.27E+03	0.499
PCB-175 22'33'45'6"-HpCB	36.15		1.0951	1.0953	+0.4	6.96E+05	1.05	1.01	11.1	6.16E+03	1.1
PCB-187 22'34'55'6"-HpCB	36.38		1.1020	1.1023	+0.7	2.04E+07	1.05	1.09	303	6.16E+03	1.02
PCB-182 22'34'4'56"-HpCB	36.54		1.1073	1.1073	0	1.64E+05	0.95	1.11	2.4	6.16E+03	1.01
PCB-183 22'34'4'5'6"-HpCB	36.89		1.1177	1.1179	+0.4	9.66E+06	1.05	1.05	148	6.16E+03	1.06
PCB-185 22'34'55'6"-HpCB	36.98		1.1202	1.1205	+0.7	1.51E+06	1.07	1.05	23.3	6.16E+03	1.06
PCB-174 22'33'456"-HpCB	37.10		1.1240	1.1243	+0.7	1.39E+07	1.05	0.93	241	6.16E+03	1.19
PCB-177 22'33'45'6"-HpCB	37.47		1.1354	1.1355	+0.2	9.00E+06	1.02	0.92	159	6.16E+03	1.21
PCB-181 22'34'4'56"-HpCB	37.81		1.1454	1.1457	+0.7	2.04E+05	1.16	1.03	3.22	6.16E+03	1.09
PCB-171/173 ...-HpCB	38.01	C	1.1512	1.1517	+1.1	4.55E+06	1.01	0.91	80.9	6.16E+03	1.23
PCB-172 22'33'455"-HpCB	39.37		0.9027	0.9026	-0.2	2.53E+06	1.01	0.89	46.1	6.16E+03	1.26
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	6.16E+03	0.989
PCB-180/193 ...-HpCB	39.92	C	0.9147	0.9154	+1.7	3.61E+07	1.04	1.07	546	6.16E+03	1.04
PCB-191 233'44'5'6"-HpCB	40.22		0.9222	0.9221	-0.2	1.03E+06	0.97	1.16	14.4	6.16E+03	0.96
PCB-170 22'33'44'5"-HpCB	41.00		0.9401	0.9401	0	1.33E+07	1.05	0.99	265	6.16E+03	1.53
PCB-190 233'44'56"-HpCB	41.44		0.9503	0.9502	-0.2	3.08E+06	1.12	1.27	48.1	6.16E+03	1.2
PCB-202 22'33'55'66"-OoCB	37.57		1.0006	1.0006	0	2.30E+06	0.87	0.86	33.3	3.87E+03	0.596
PCB-201 22'33'45'66"-OoCB	38.36		1.0214	1.0214	0	1.30E+06	0.90	0.95	17.1	3.87E+03	0.543

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.87E+03	0.577
PCB-197 22'33'44'66'-OcCB	39.12		1.0417	1.0417	0	2.70E+05	0.84	0.93	3.65	3.87E+03	0.556
PCB-200 22'33'4566'-OcCB	39.21		1.0444	1.0442	-0.5	1.09E+06	0.89	0.92	14.9	3.87E+03	0.561
PCB-198/199 ...-OcCB	41.58	C	1.1066	1.1074	+2.0	7.03E+06	0.91	0.64	137	3.87E+03	0.804
PCB-196 22'33'44'56'-OcCB	42.14		1.1220	1.1221	+0.3	3.23E+06	0.86	0.66	61.5	3.87E+03	0.784
PCB-203 22'344'55'6-OcCB	42.30		1.1263	1.1265	+0.5	4.65E+06	0.91	0.68	85.4	3.87E+03	0.756
PCB-195 22'33'44'56-OcCB	43.43		0.9489	0.9487	-0.5	1.73E+06	0.91	0.89	49.2	5.71E+03	1.88
PCB-194 22'33'44'55'-OcCB	45.41		0.9918	0.9918	0	4.87E+06	0.89	0.92	134	5.71E+03	1.82
PCB-205 233'44'55'6-OcCB	45.80		1.0004	1.0003	-0.3	2.85E+05	0.86	1.13	6.35	5.71E+03	1.47
PCB-208 22'33'455'66'-NoCB	43.22		1.0005	1.0005	0	1.18E+06	0.77	1.03	20.9	4.85E+03	0.971
PCB-207 22'33'44'566'-NoCB	44.01		1.0187	1.0186	-0.3	4.59E+05	0.76	1.00	8.44	4.85E+03	1.01
PCB-206 22'33'44'55'6-NoCB	47.27		1.0004	1.0003	-0.3	2.48E+06	0.77	0.97	65.6	4.85E+03	1.58

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

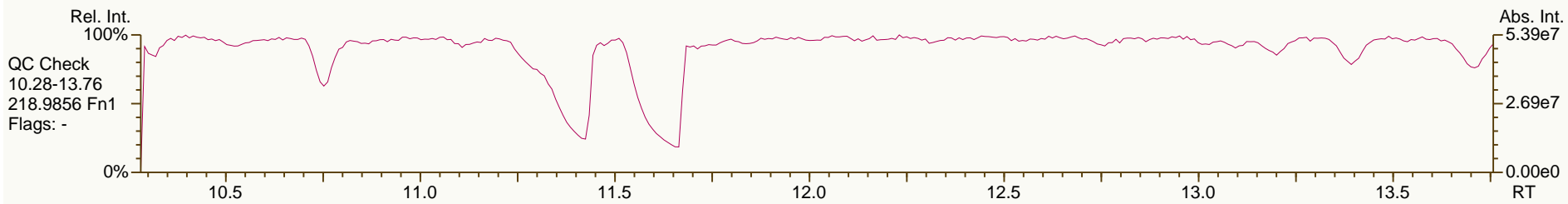
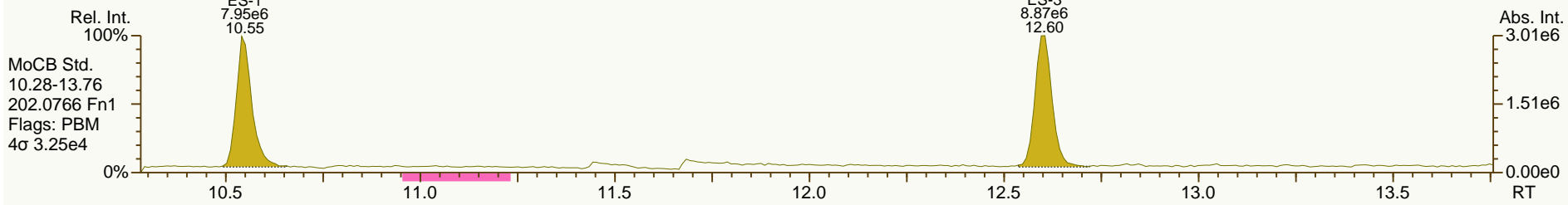
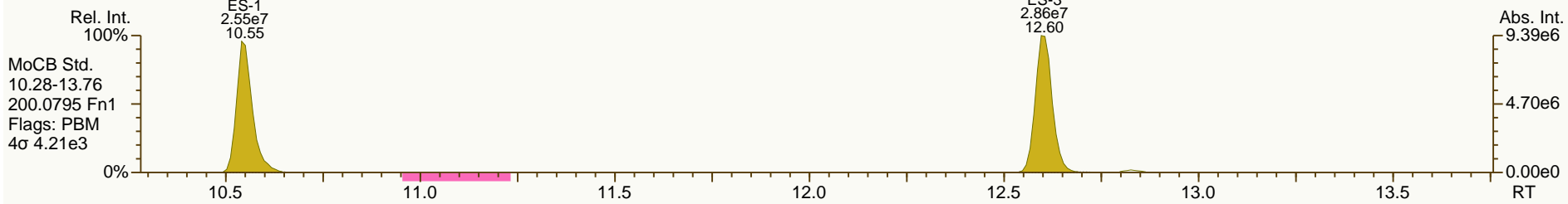
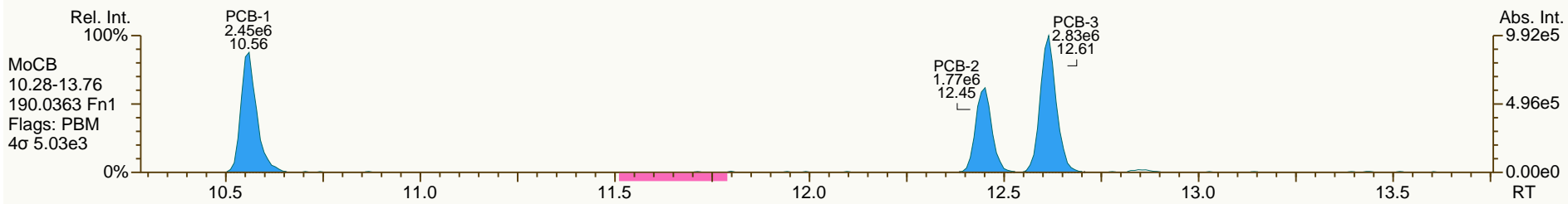
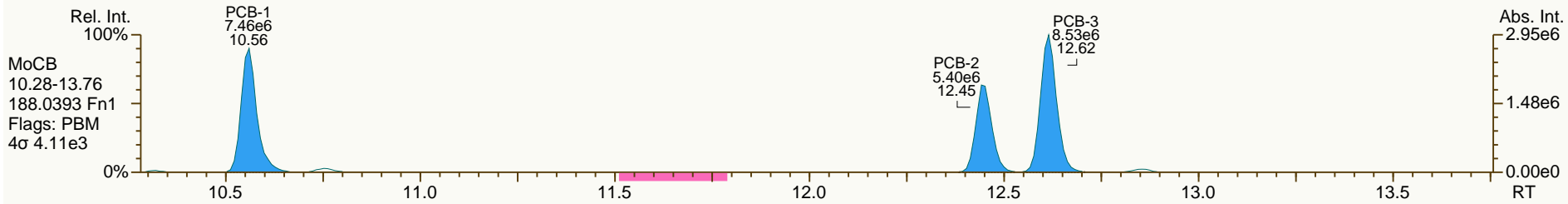
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SGS-AP ID: A5698_11123_PCB_006
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Sample ID: JW-SS-215-130429
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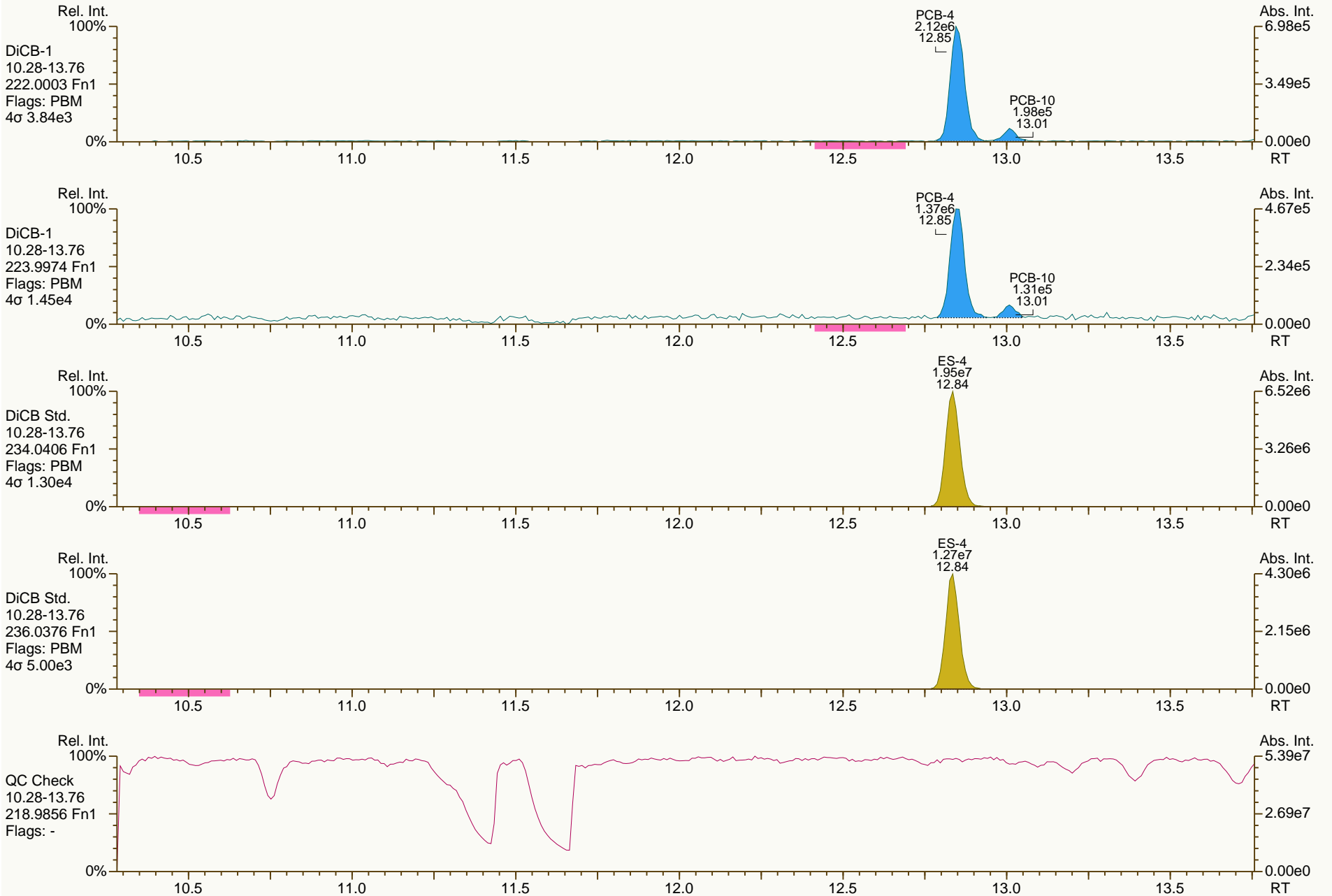
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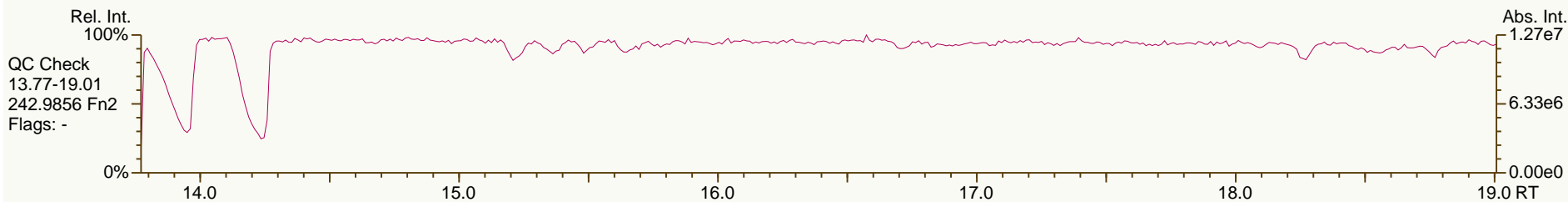
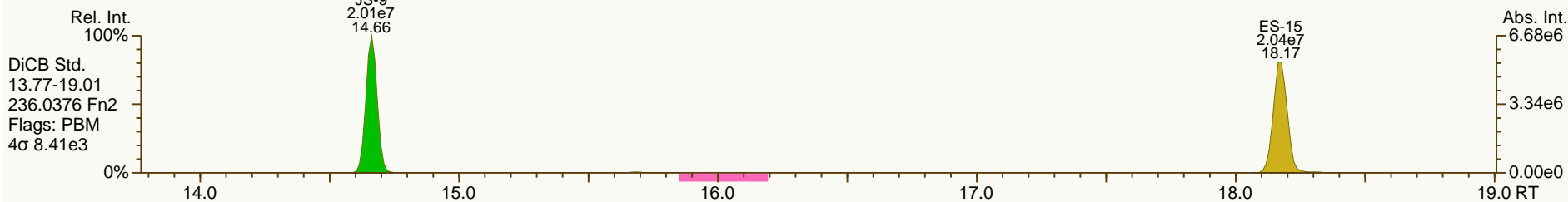
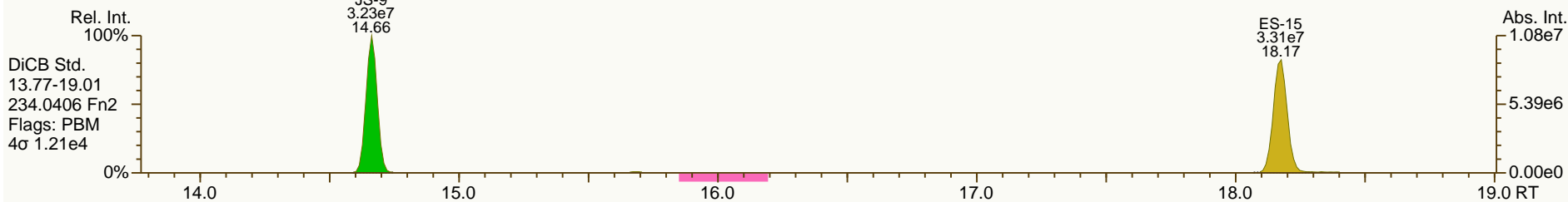
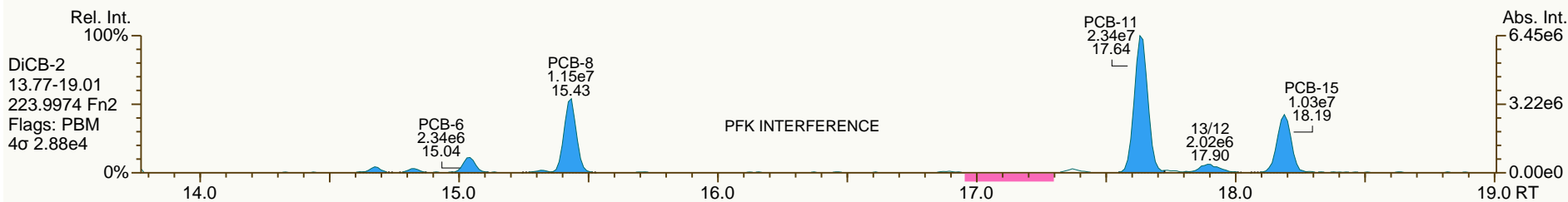
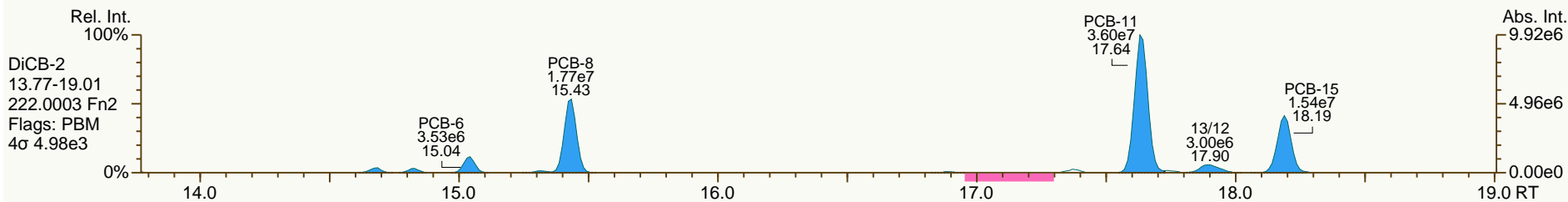
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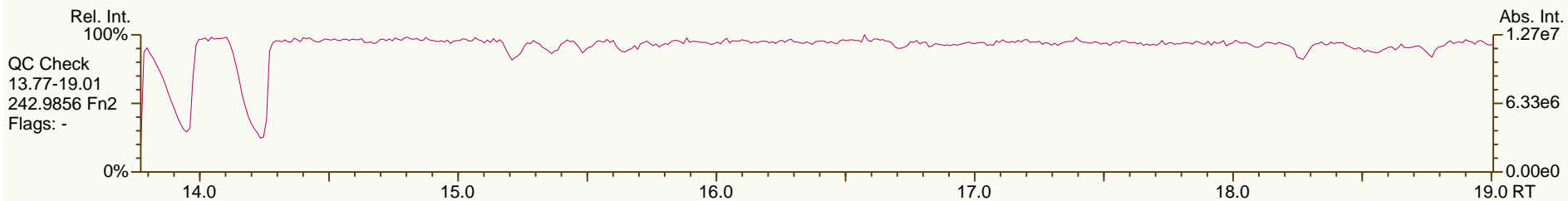
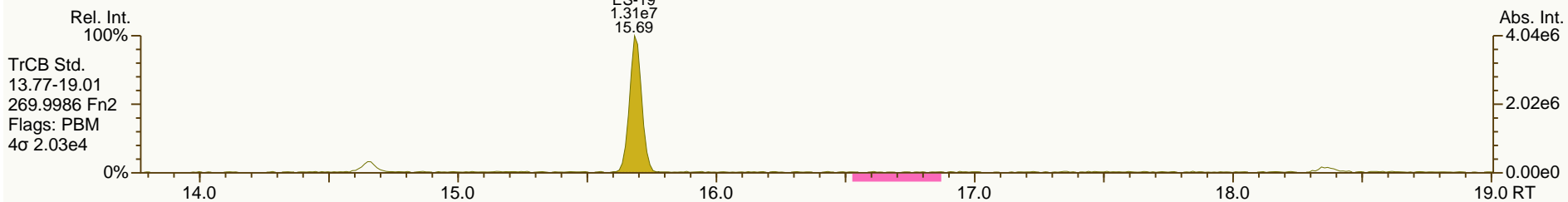
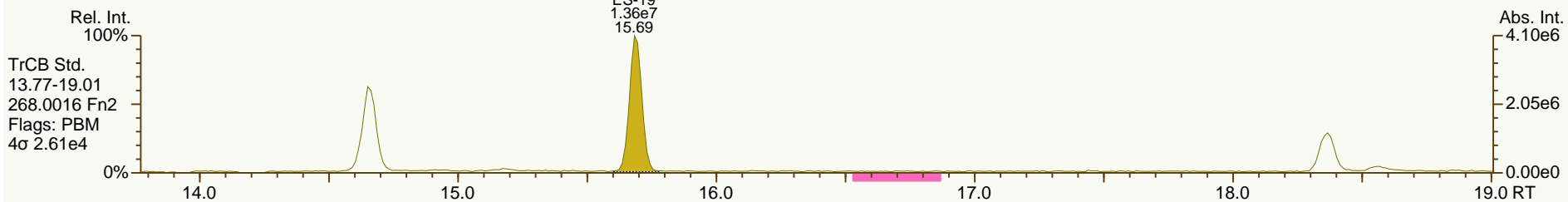
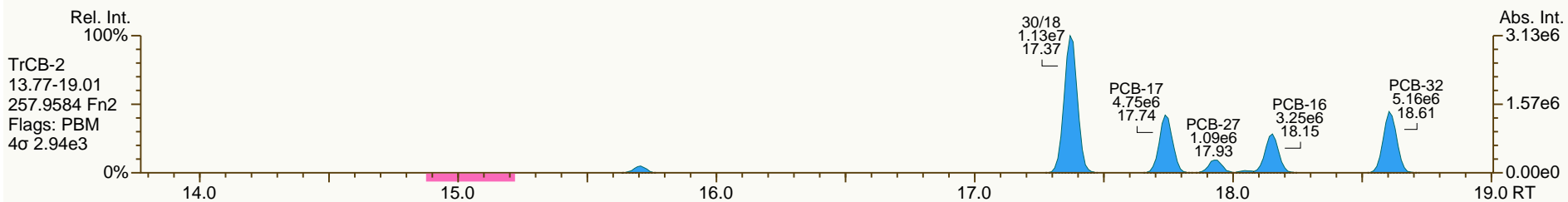
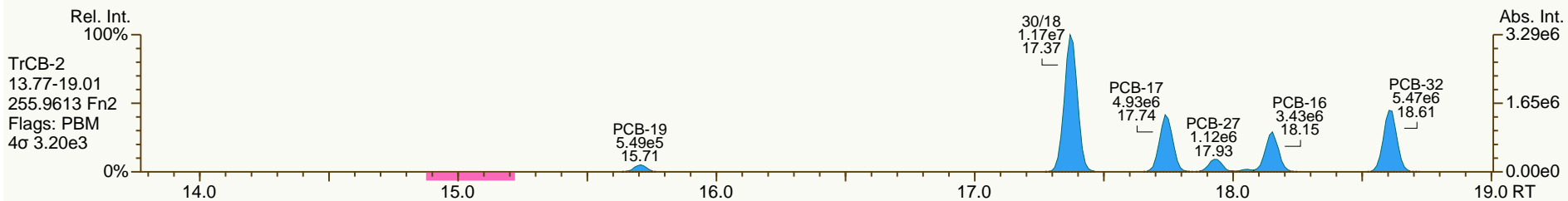
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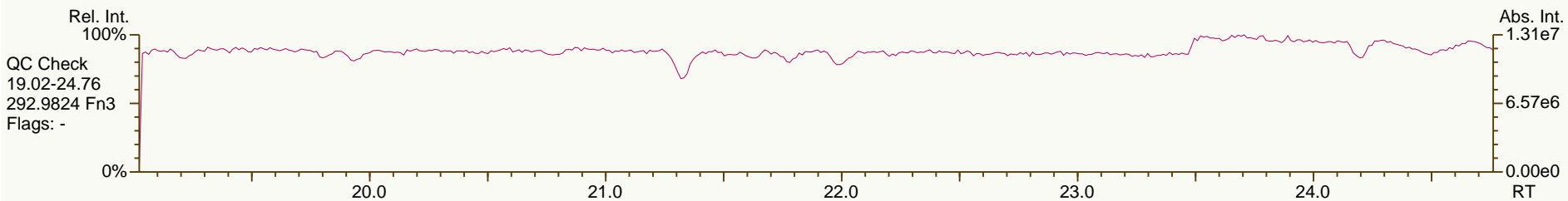
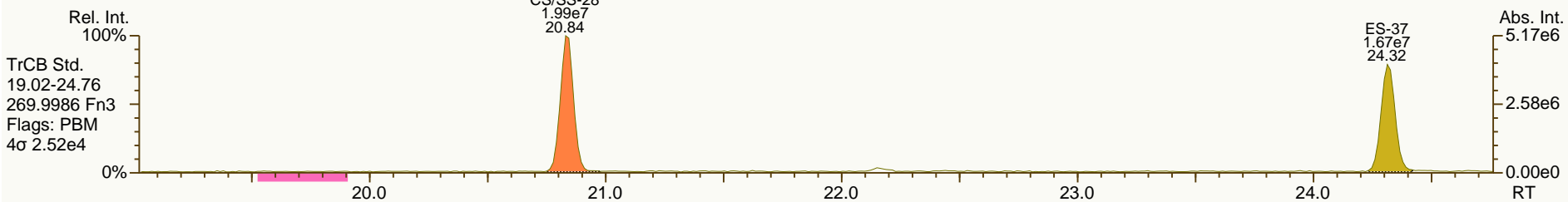
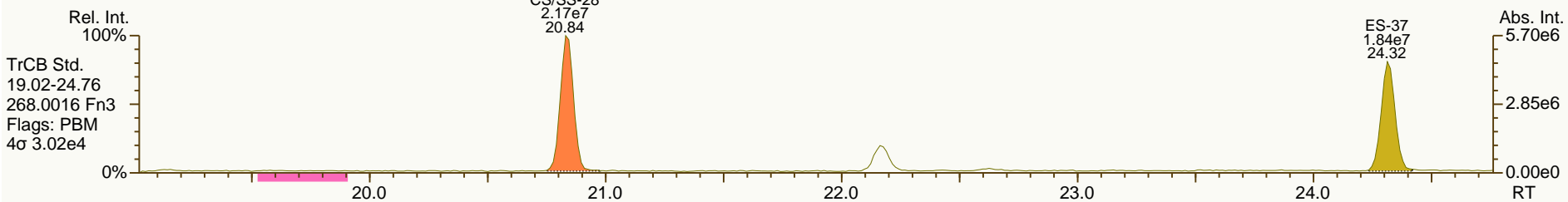
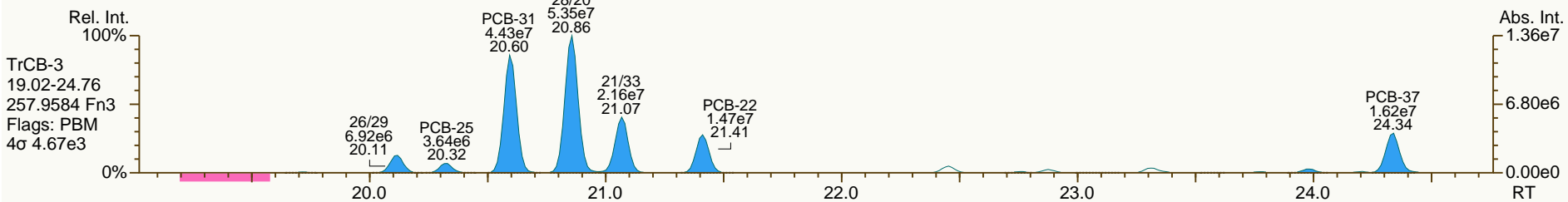
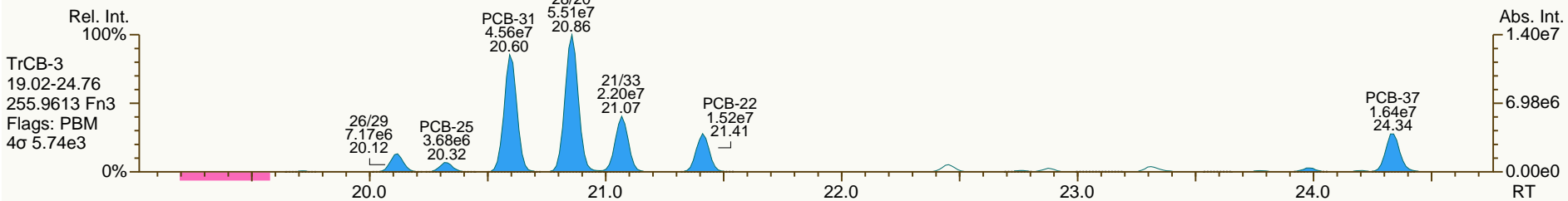
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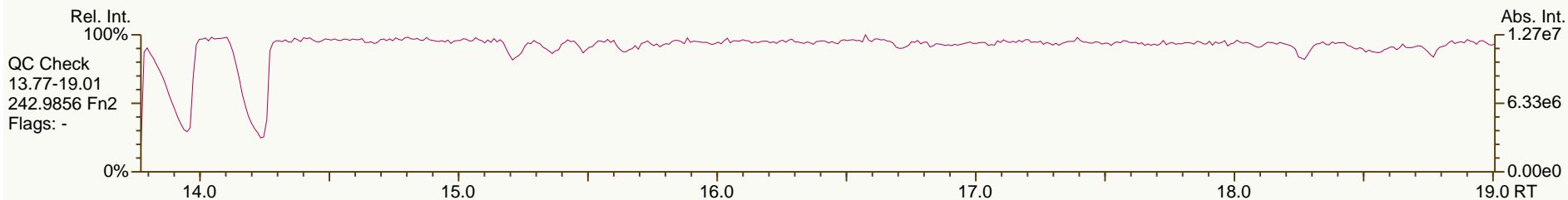
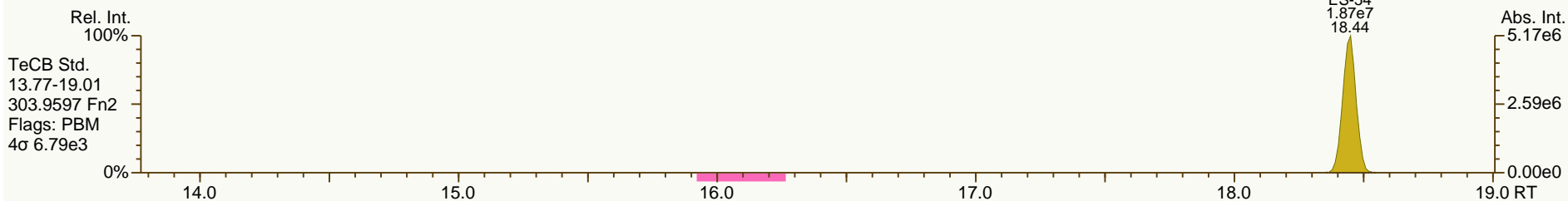
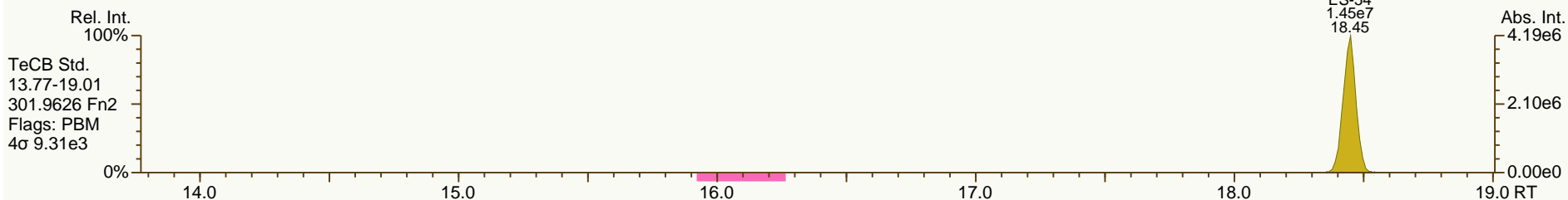
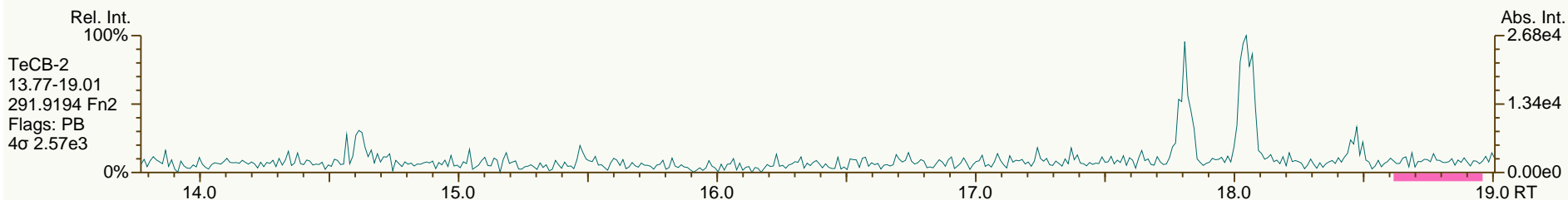
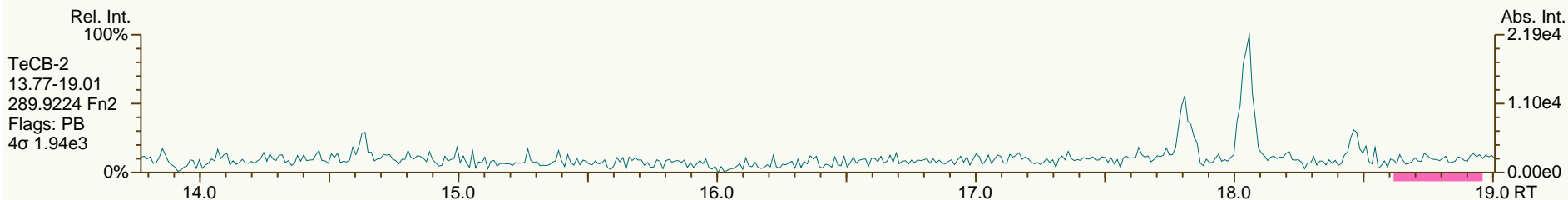
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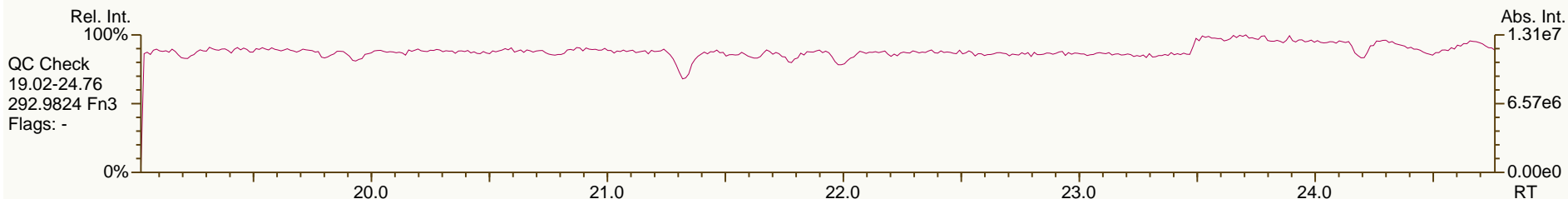
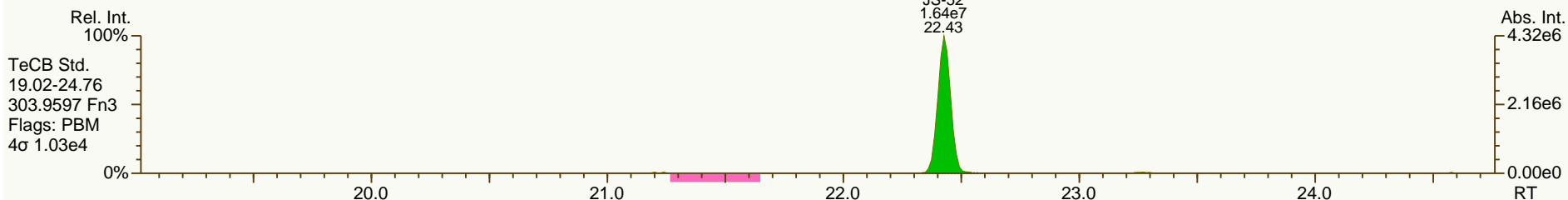
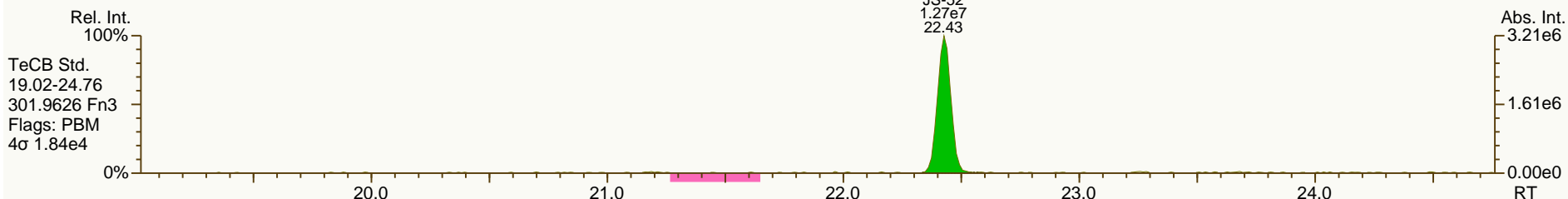
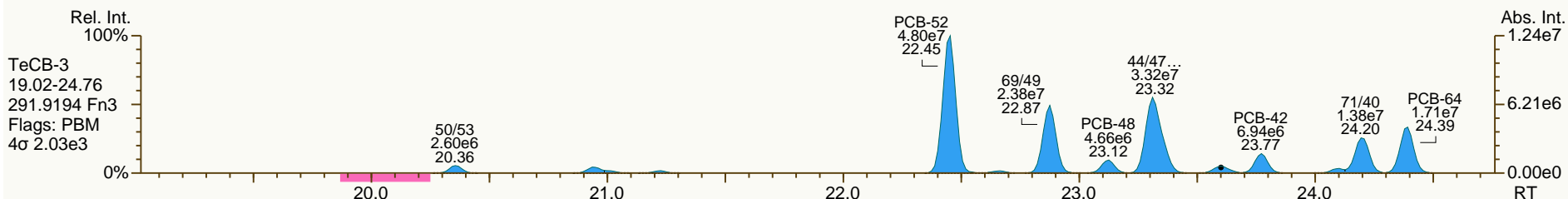
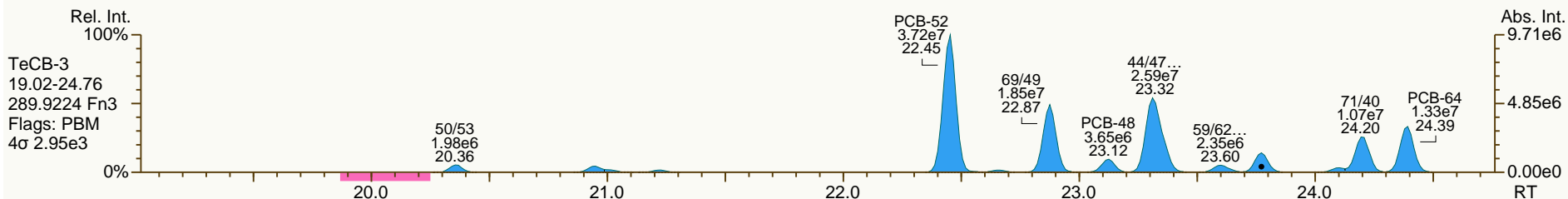
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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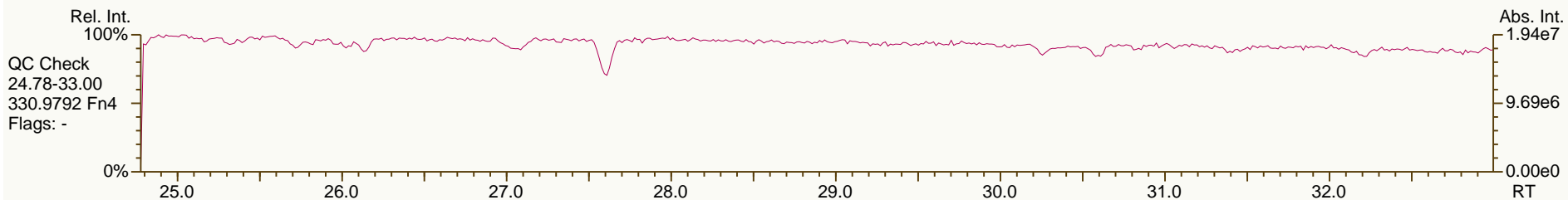
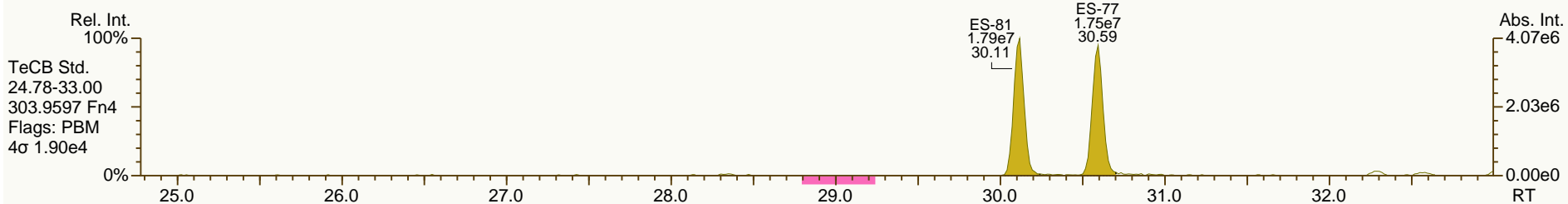
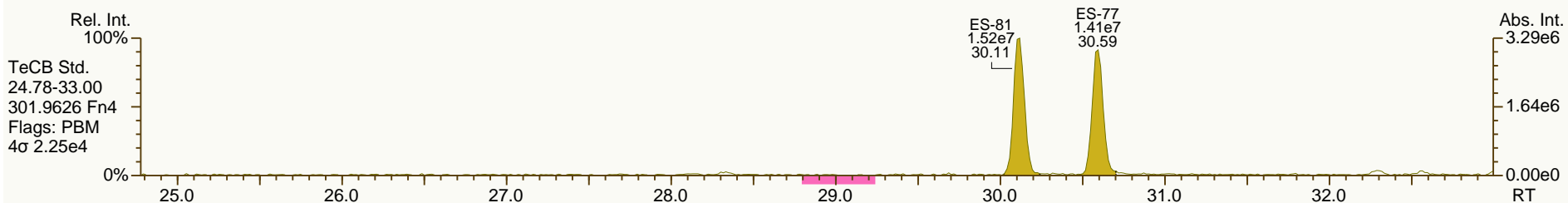
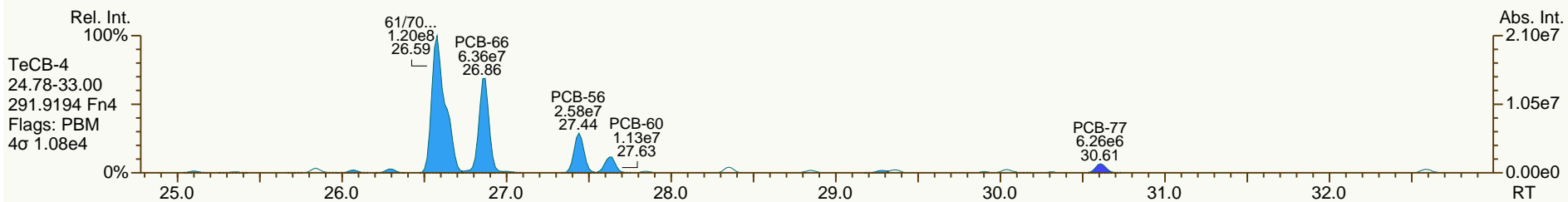
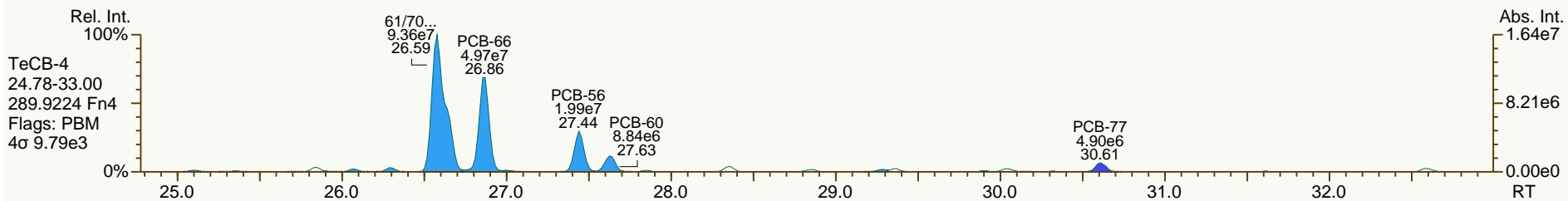
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SGS-AP ID: A5698_11123_PCB_006
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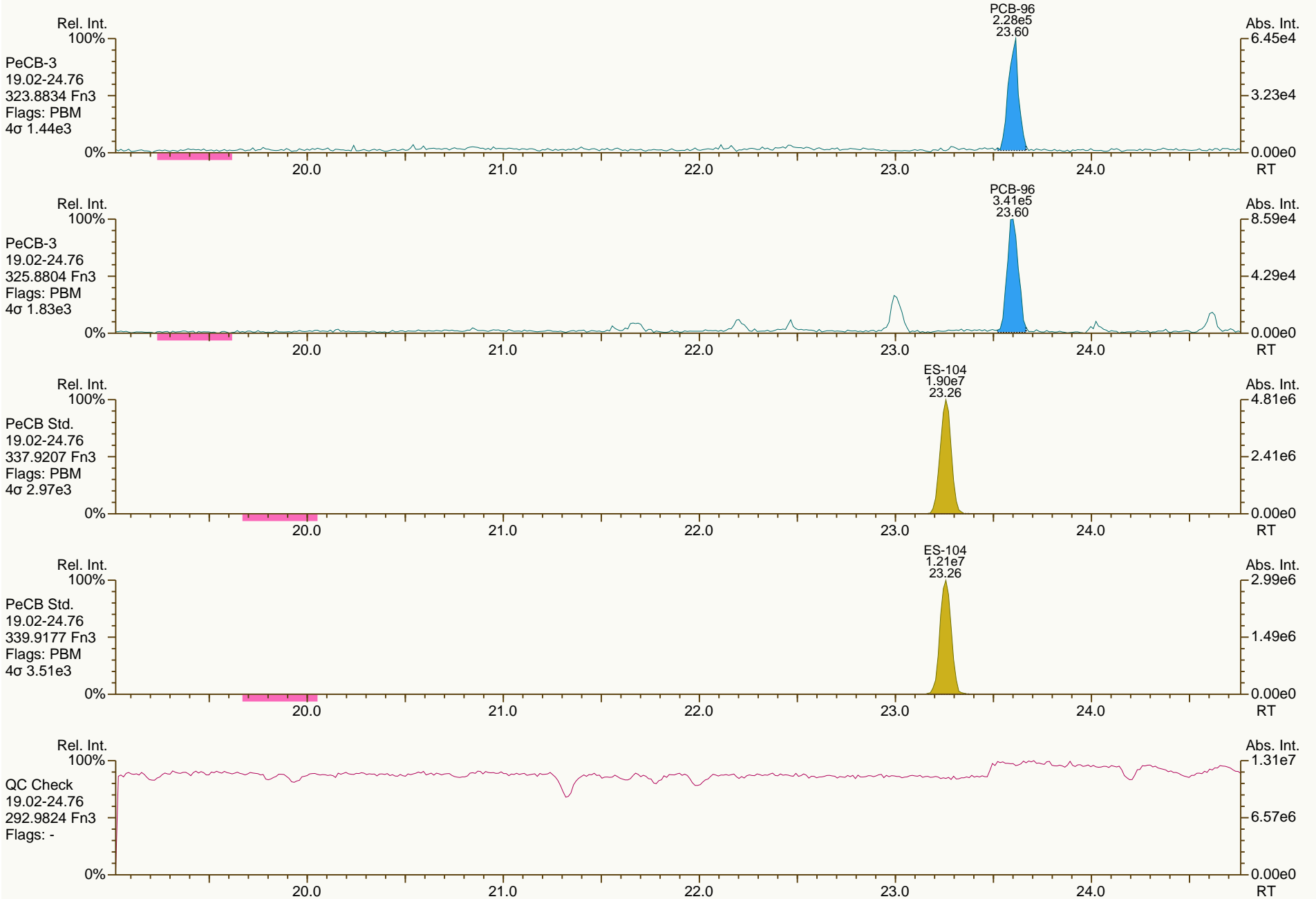
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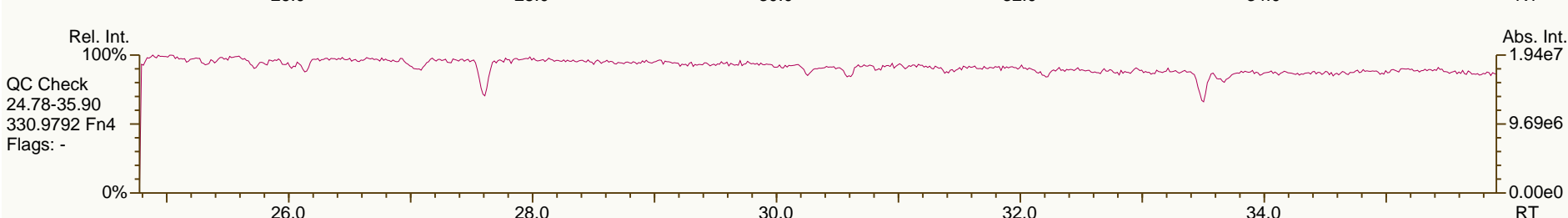
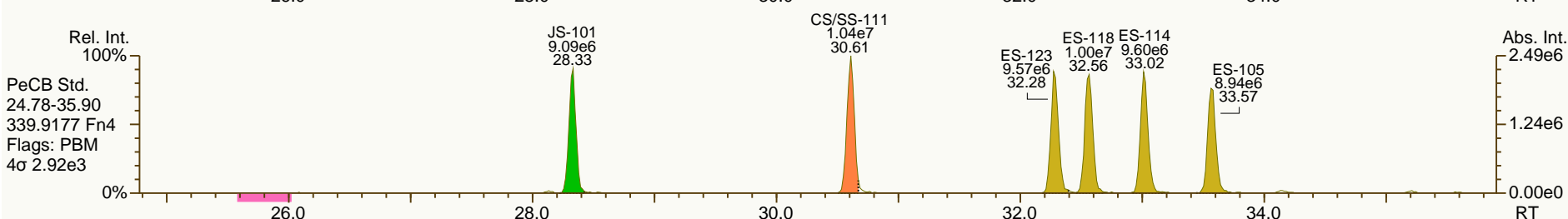
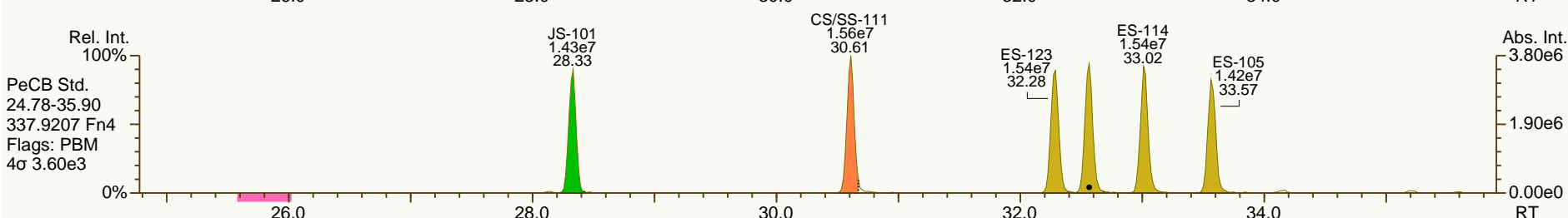
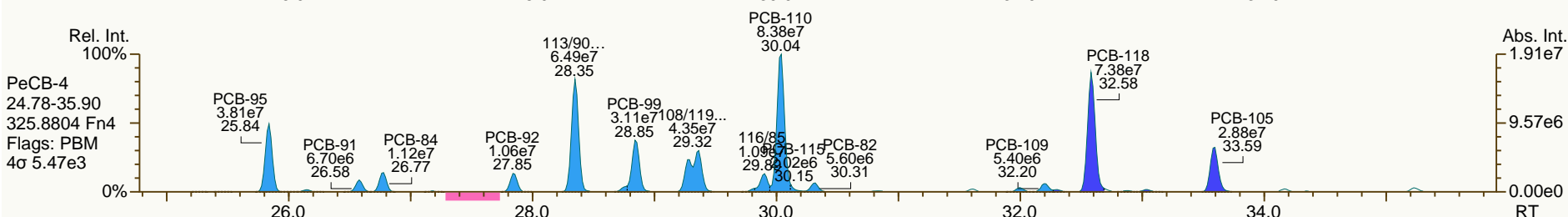
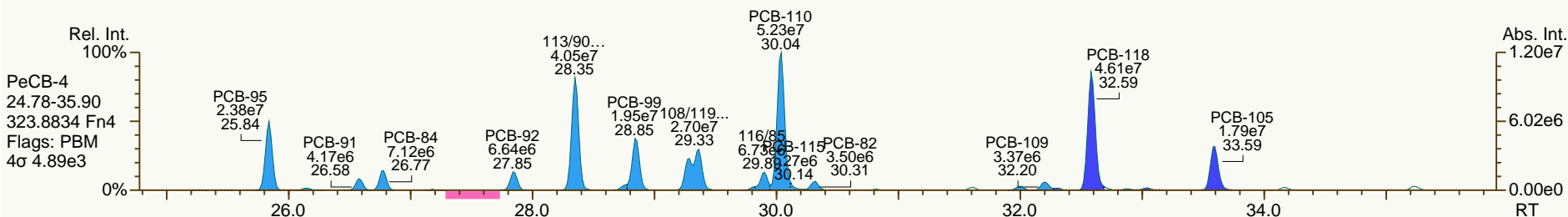
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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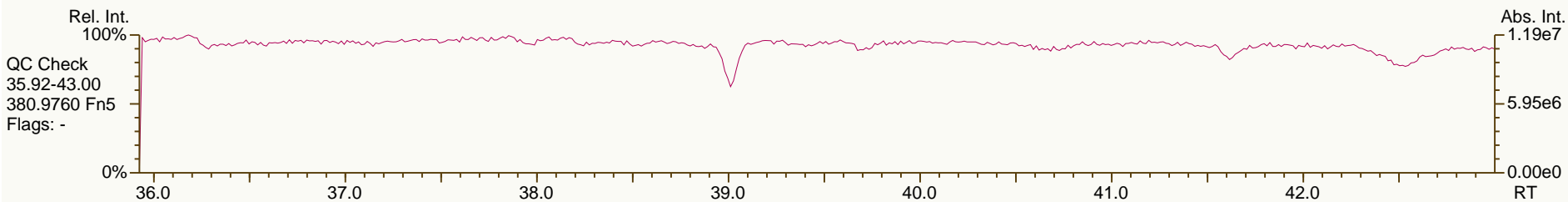
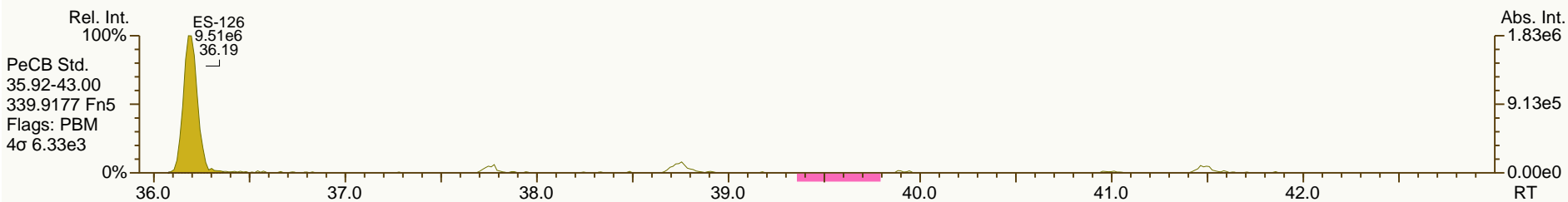
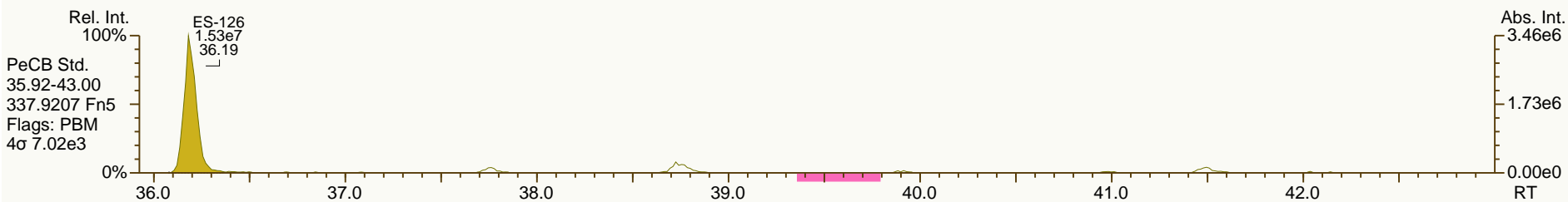
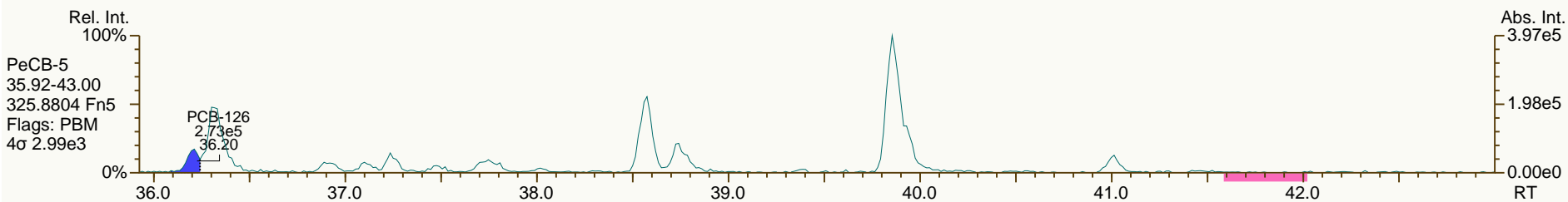
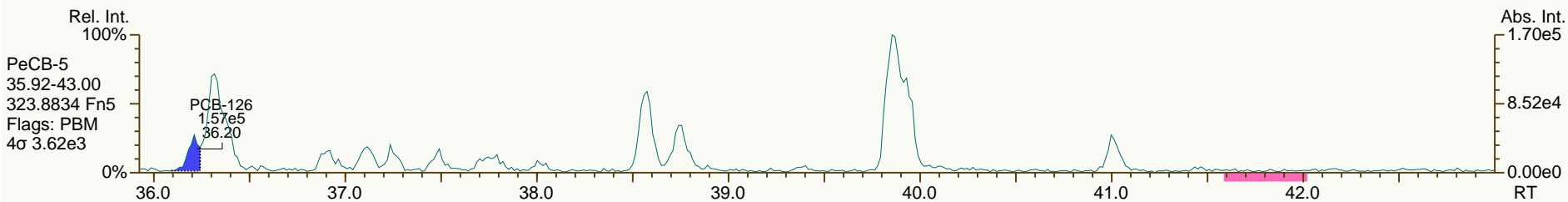
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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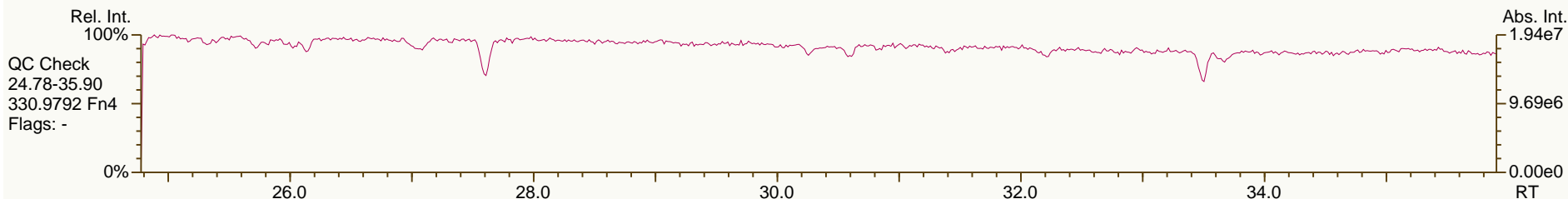
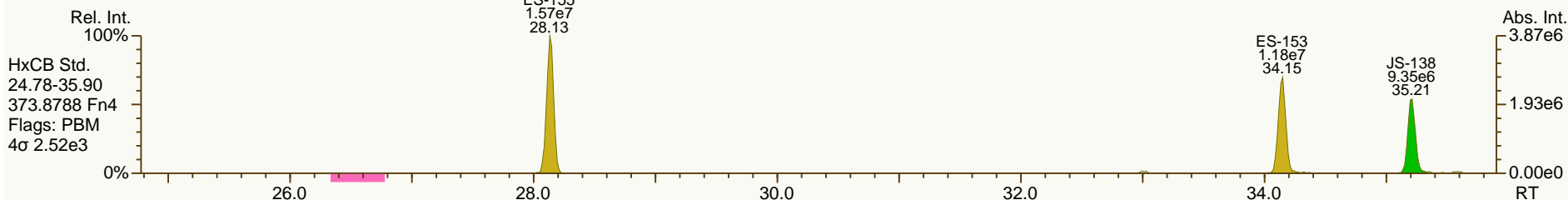
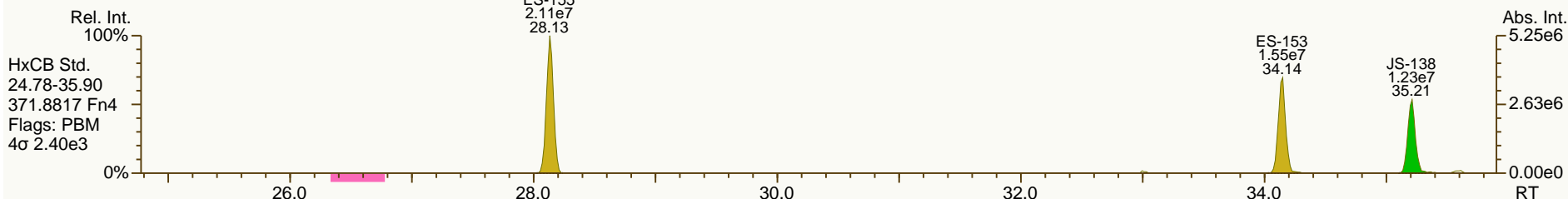
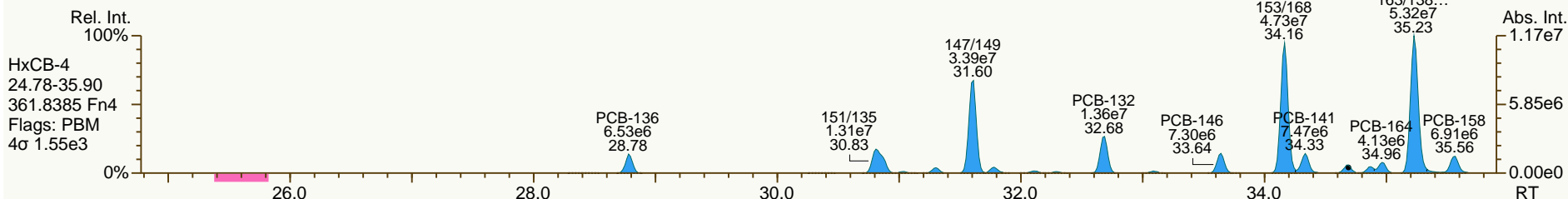
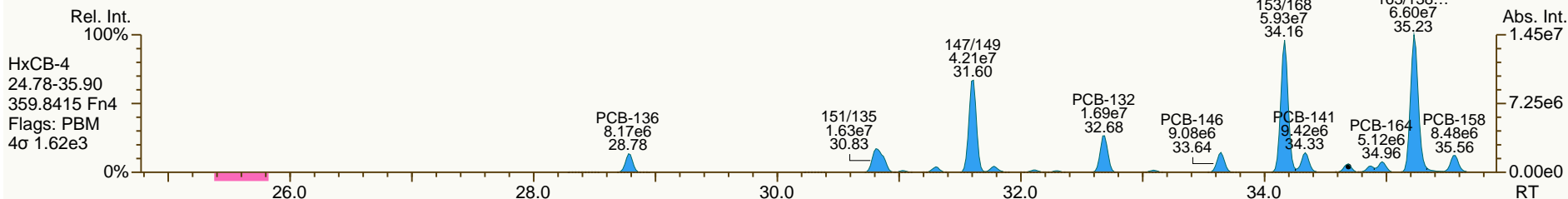
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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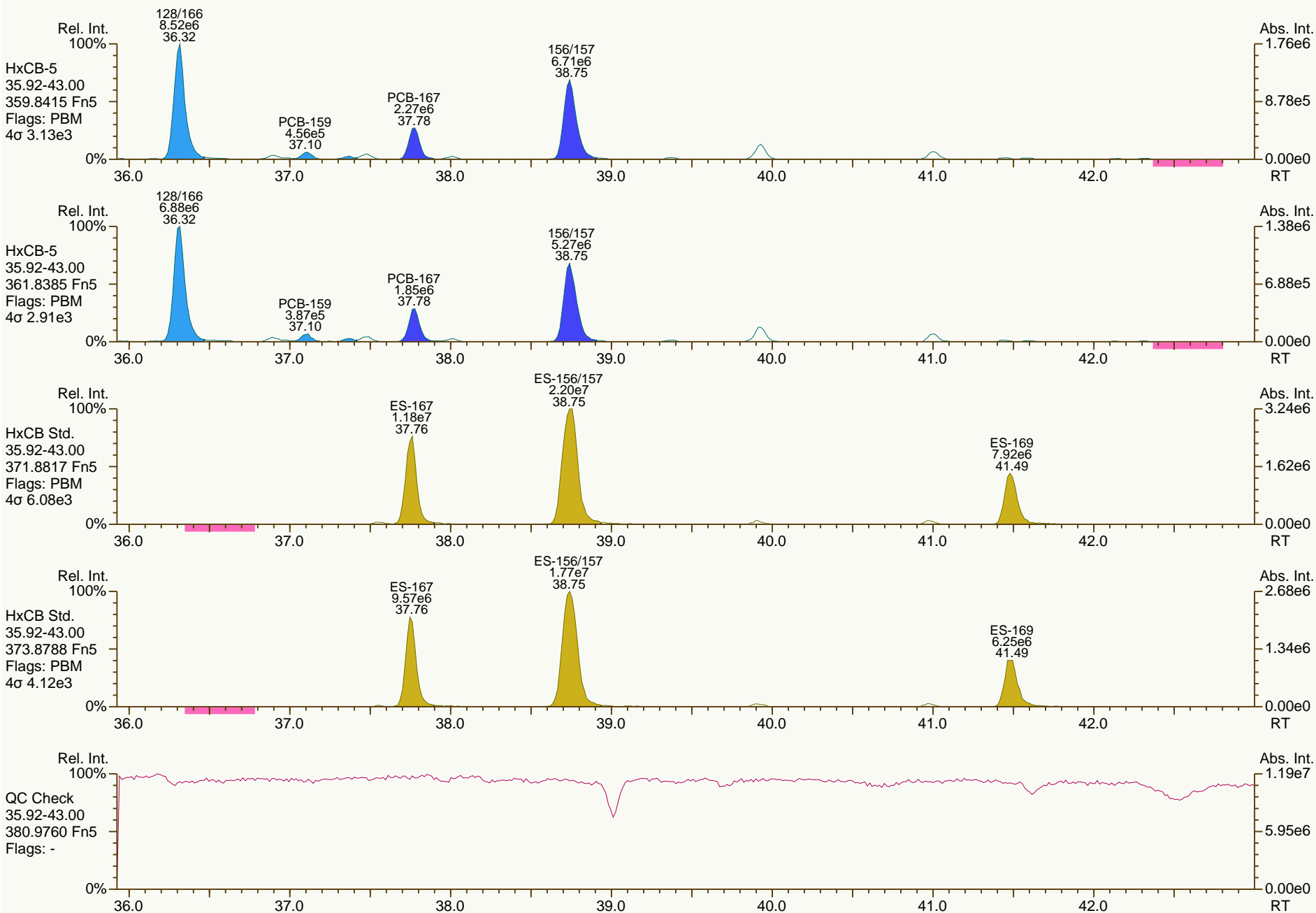
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Sample ID: JW-SS-215-130429
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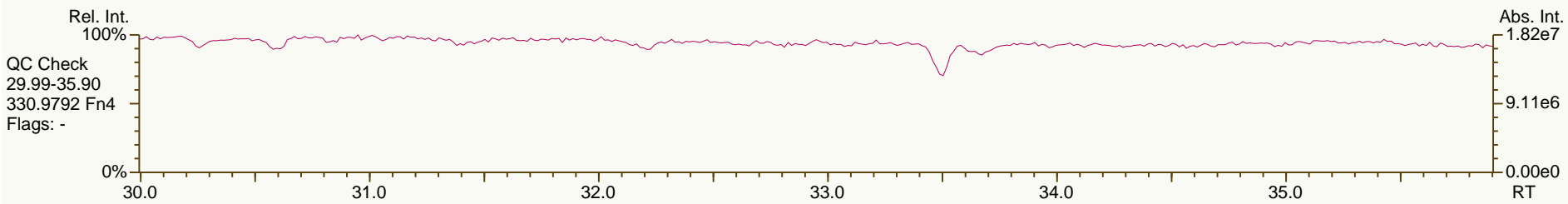
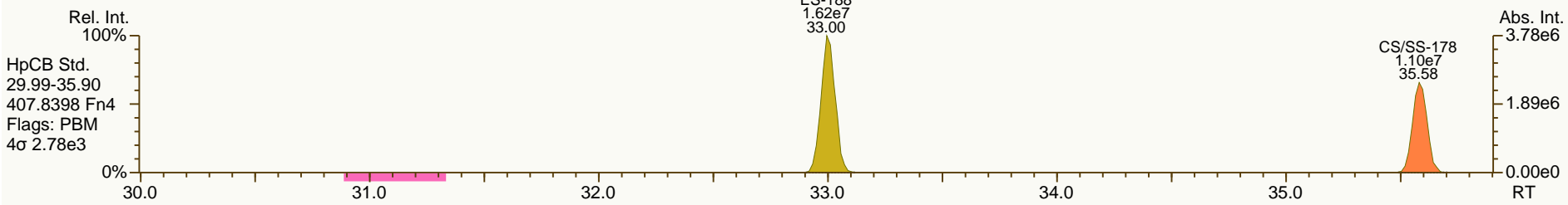
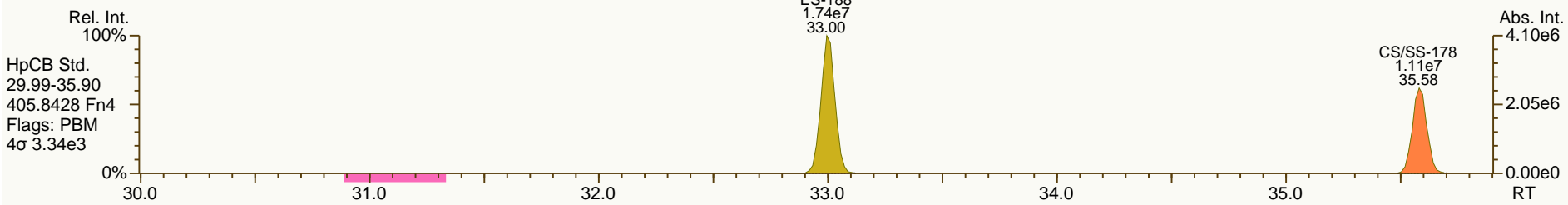
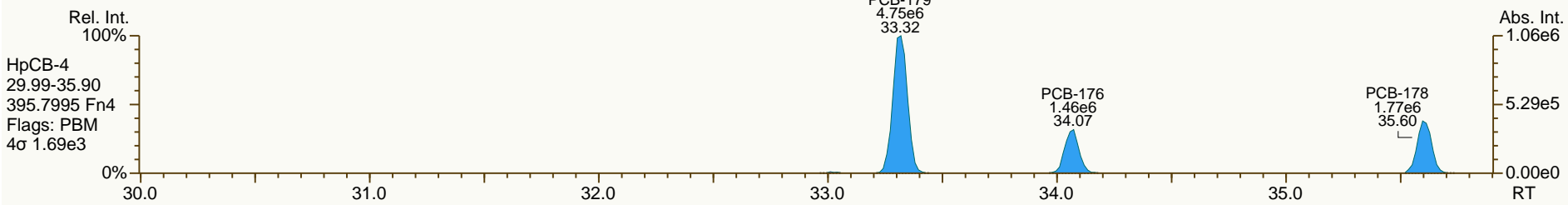
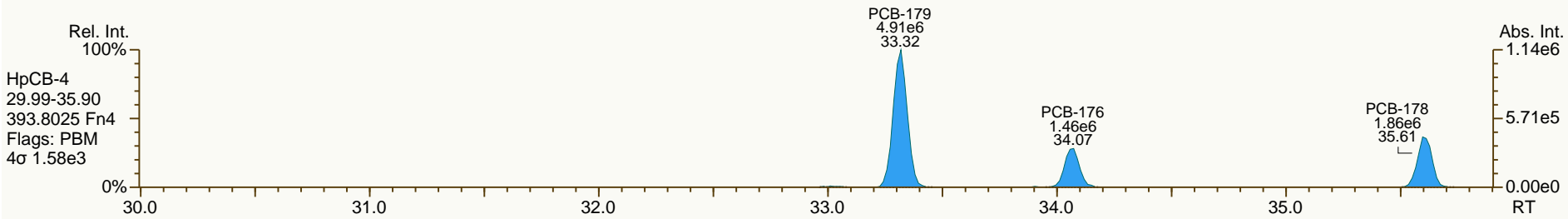
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SGS-AP ID: A5698_11123_PCB_006
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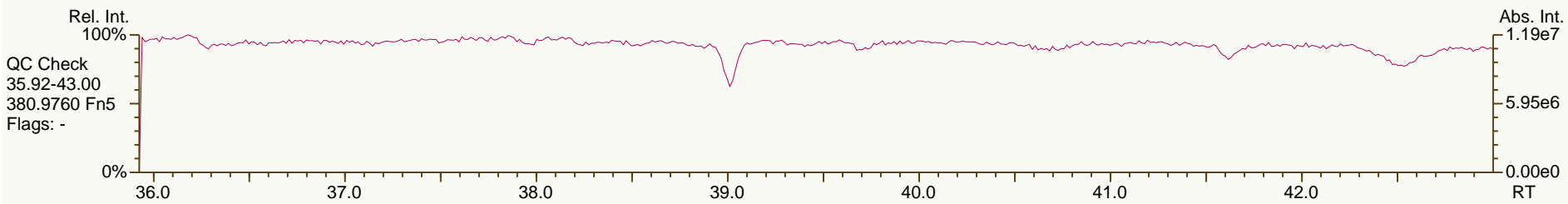
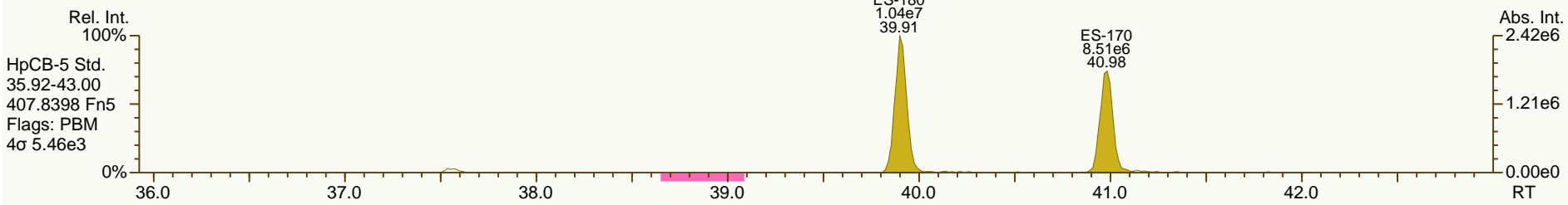
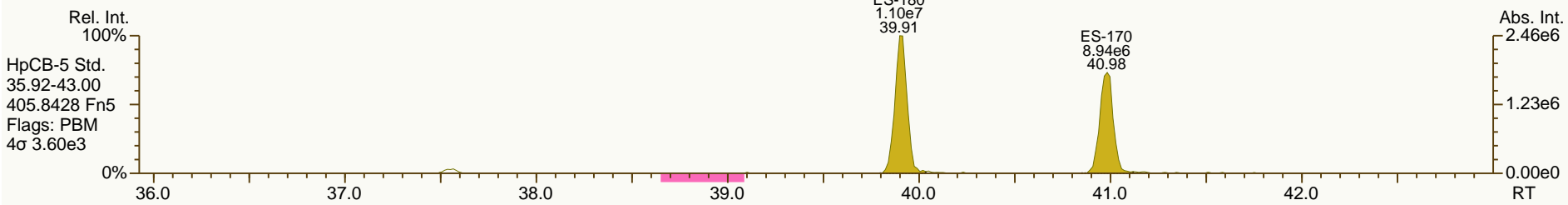
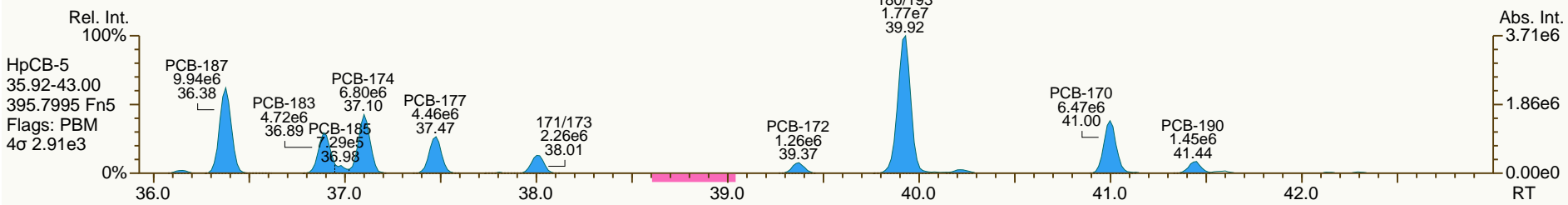
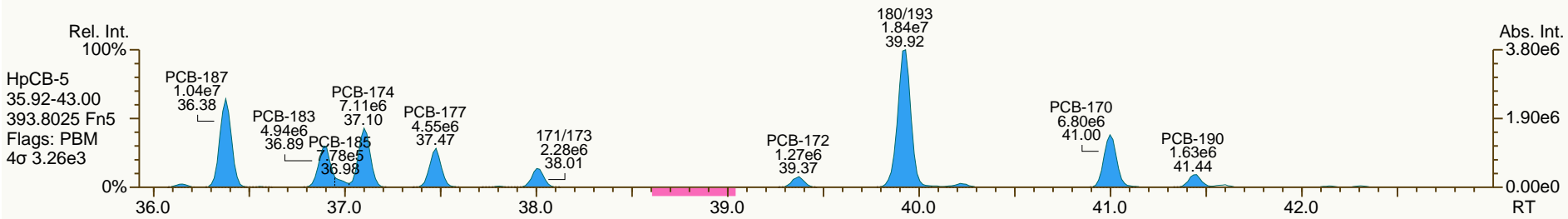
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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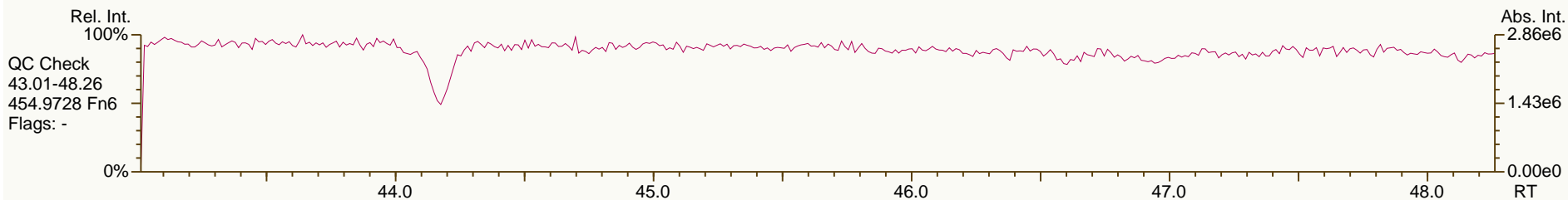
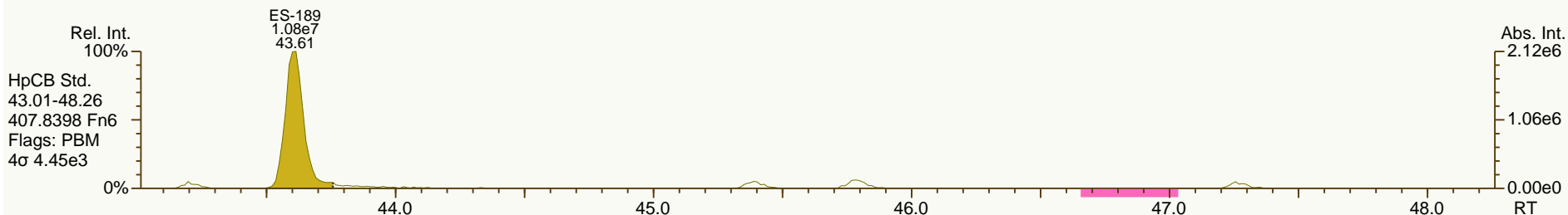
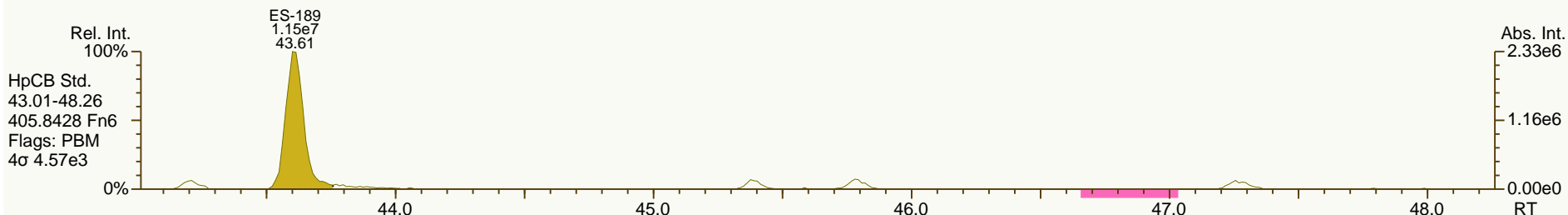
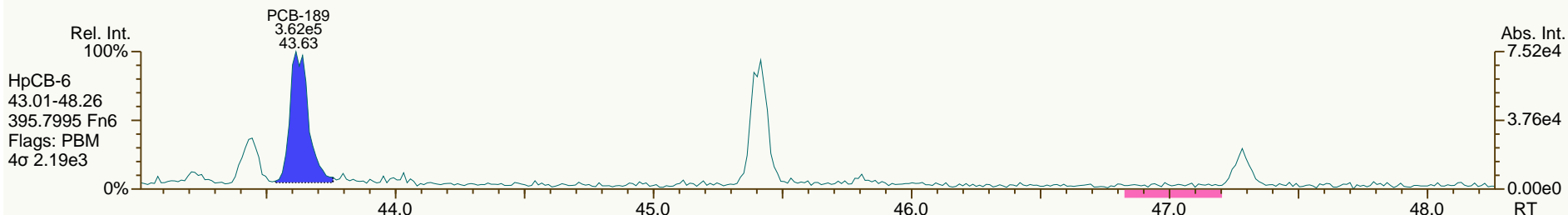
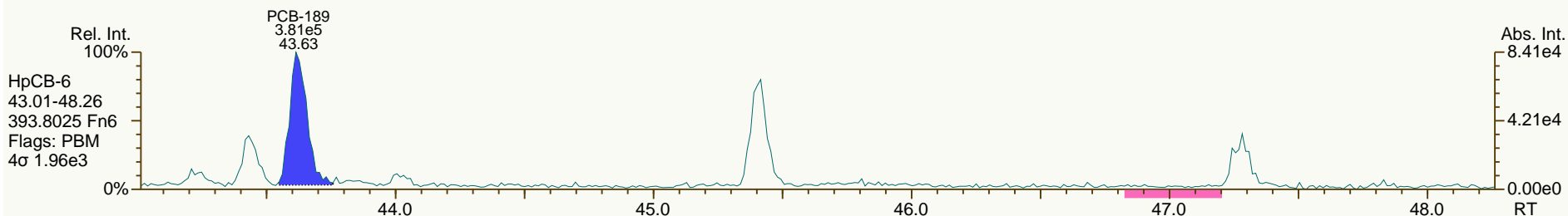
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 19

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SGS-AP ID: A5698_11123_PCB_006
Instr: AutoSpec-Premier MM6

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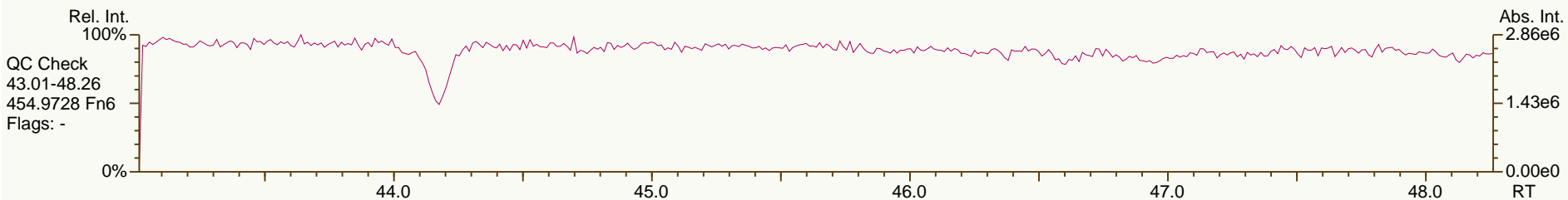
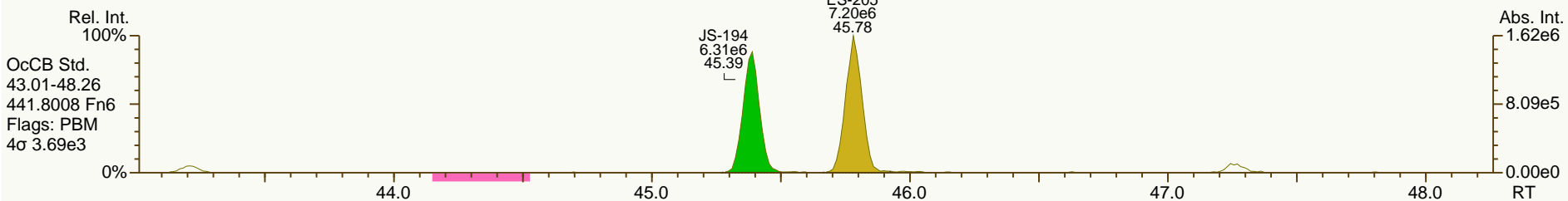
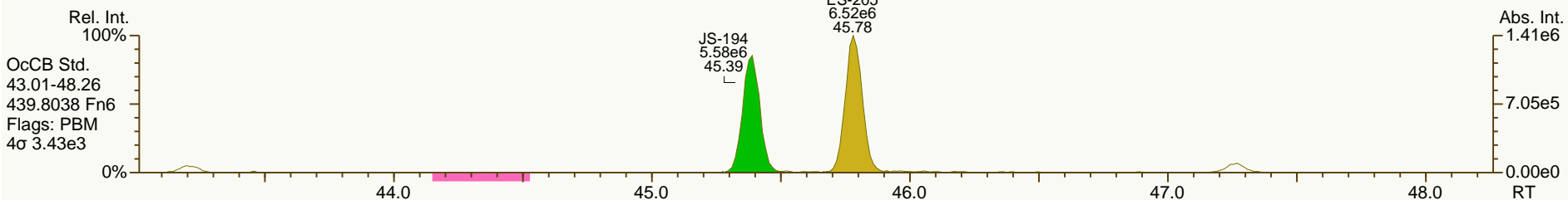
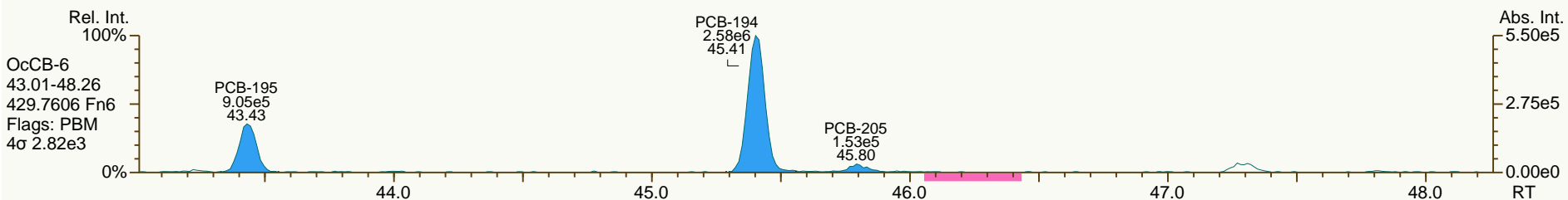
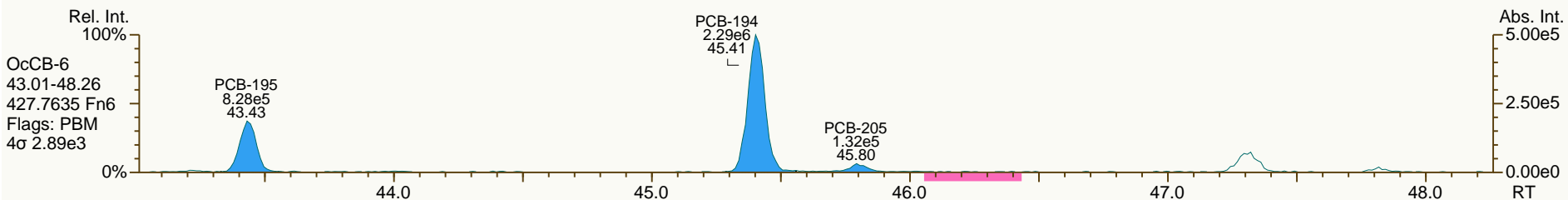
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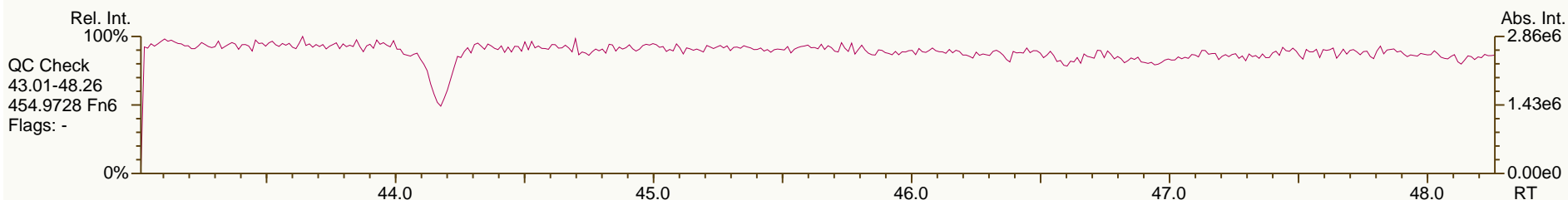
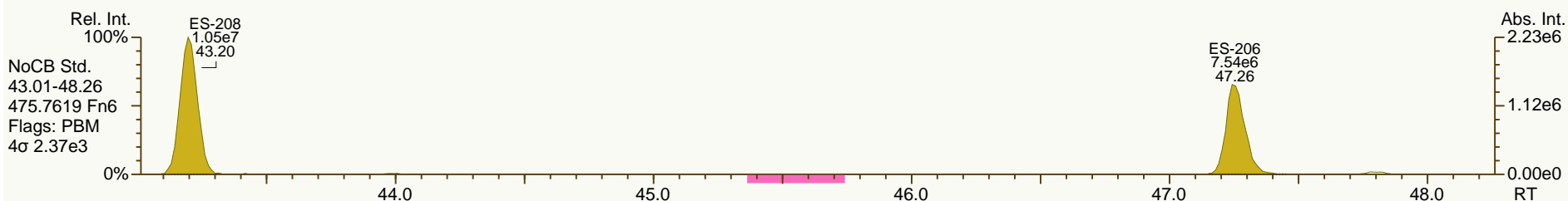
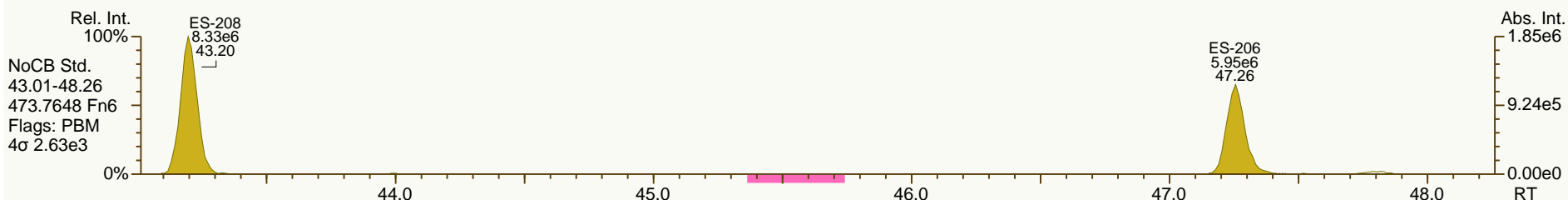
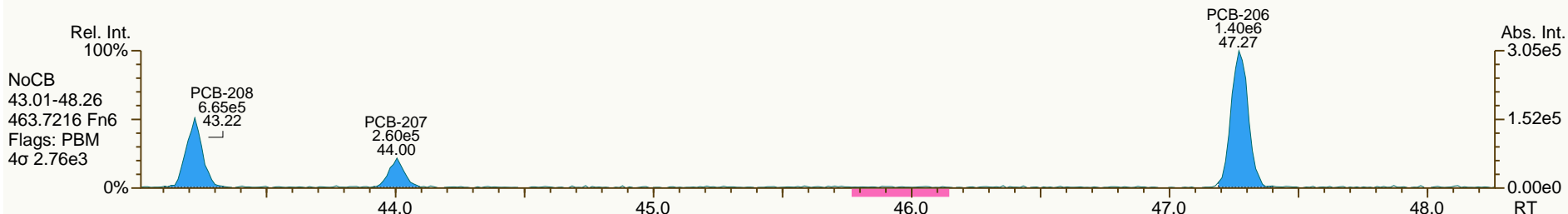
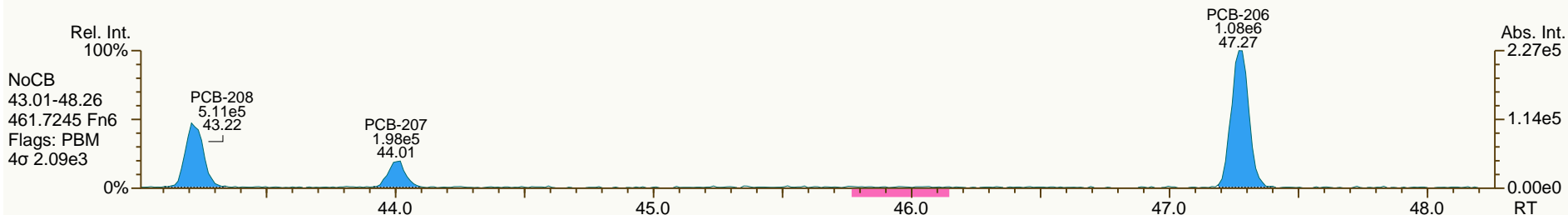
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SGS-AP ID: A5698_11123_PCB_006
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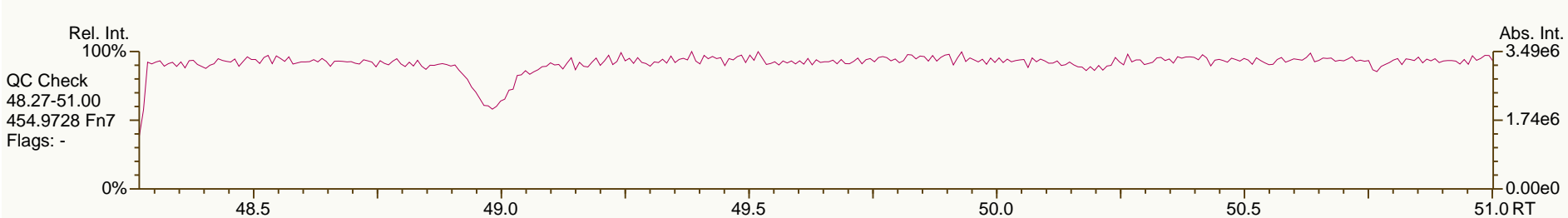
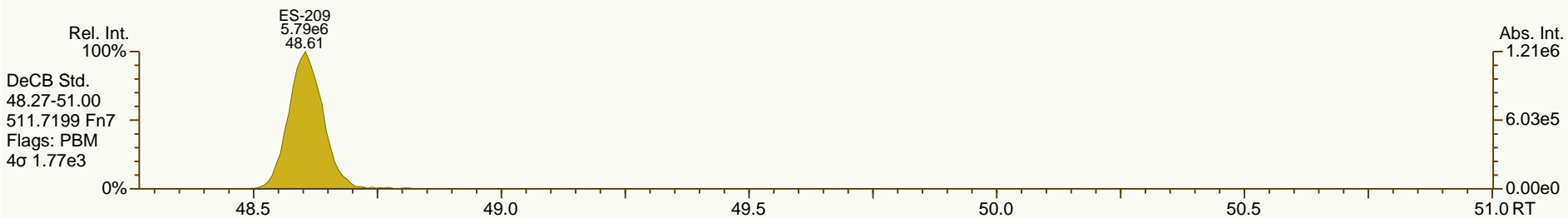
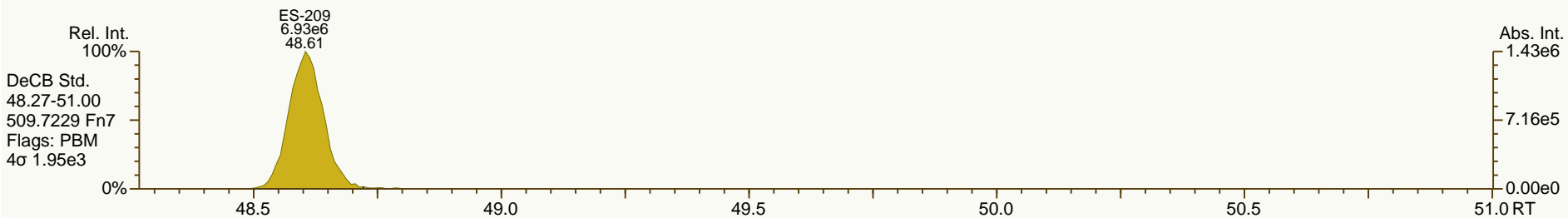
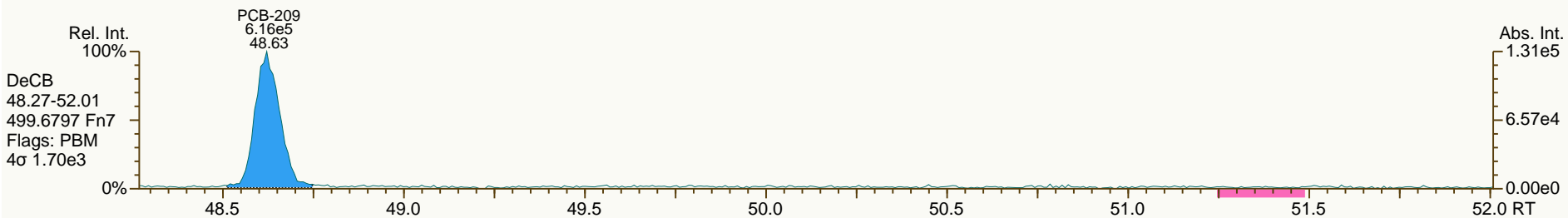
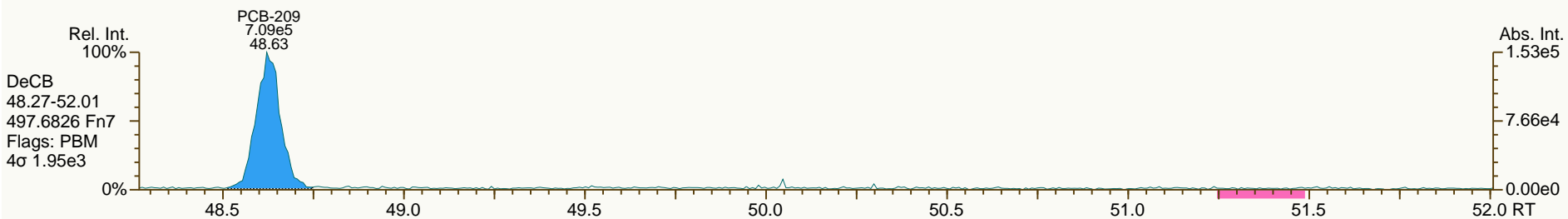
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SGS-AP ID: A5698_11123_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-215-130429
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 User: JLJ Datafile: 130719V16



Lab ID: A5698_11123_PCB_007

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Wt/Vol: 8.47 g

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Client ID: JW-SS-216-130429

UTP: 23-Jul-2013 16:12 LKB

J-level: 1.18 pg/g Split: 1

Checkcode: 627-870-VTH

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RPT: 23-Jul-2013 16:23 LB

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.61		1.0006	1.0006	0	4.51E+06	0.79	1.25	28.1	1.01E+04	0.715
PCB-81 344'5'-TeCB	30.12		1.0005	1.0003	-0.4	2.47E+05	0.80	1.26	1.52	1.01E+04	0.705
PCB-105 233'44'-PeCB	33.59		1.0006	1.0007	+0.2	1.40E+07	0.63	1.06	139	5.80E+03	0.66
PCB-114 2344'5'-PeCB	33.03		1.0007	1.0006	-0.2	7.85E+05	0.66	1.11	6.94	5.80E+03	0.586
PCB-118 23'44'5'-PeCB	32.58		1.0008	1.0007	-0.2	3.63E+07	0.63	1.08	318	5.80E+03	0.59
PCB-123 23'44'5'-PeCB	32.30		1.0006	1.0007	+0.2	5.70E+05	0.61	1.12	4.96	5.80E+03	0.556
PCB-126 33'44'5'-PeCB	36.20		1.0007	1.0004	-0.7	1.78E+05	0.63	1.16	1.48	4.70E+03	0.462
PCB-156/157 ...-HxCB	38.74	C	1.0004	1.0001	-0.7	3.53E+06	1.27	1.14	38.2	4.45E+03	0.824
PCB-167 23'44'55'-HxCB	37.76		1.0005	1.0005	0	1.22E+06	1.27	1.18	11.7	4.45E+03	0.5
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	4.45E+03	0.818
PCB-189 233'44'55'-HpCB	43.61	B	1.0005	1.0004	-0.3	2.40E+05	1.10	1.12	2.39	3.93E+03	0.47
PCB-209 DeCB	48.61		1.0004	1.0004	0	6.33E+05	1.15	1.11	10.7	3.17E+03	0.655
ES PCB-1	10.57		0.7199	0.7199	0	3.17E+07	3.16	0.97	61.6 %	25%	150%
ES PCB-3	12.62		0.8600	0.8599	-0.1	3.50E+07	3.27	0.90	73.3 %	25%	150%
ES PCB-4	12.85		0.8759	0.8756	-0.2	2.94E+07	1.55	0.70	79.2 %	25%	150%
ES PCB-15	18.18		1.2401	1.2385	-1.7	4.76E+07	1.62	1.02	88.3 %	25%	150%
ES PCB-19	15.70		1.0705	1.0694	-1.0	2.41E+07	1.03	0.53	86.3 %	25%	150%
ES PCB-37	24.32		1.0840	1.0842	+0.3	3.30E+07	1.11	1.29	85.9 %	25%	150%
ES PCB-54	18.45		0.8227	0.8226	-0.1	2.94E+07	0.77	1.43	69.4 %	25%	150%
ES PCB-77	30.59		1.3634	1.3636	+0.4	3.03E+07	0.81	1.20	84.8 %	25%	150%
ES PCB-81	30.11		1.3420	1.3423	+0.5	3.06E+07	0.83	1.16	88.5 %	25%	150%
ES PCB-104	23.26		0.8213	0.8211	-0.3	2.80E+07	1.58	1.70	69.7 %	25%	150%
ES PCB-105	33.57		1.1849	1.1848	-0.2	2.26E+07	1.55	1.10	87.3 %	25%	150%
ES PCB-114	33.01		1.1652	1.1653	+0.2	2.40E+07	1.58	1.16	88.1 %	25%	150%
ES PCB-118	32.56		1.1492	1.1492	0	2.49E+07	1.58	1.15	91.7 %	25%	150%
ES PCB-123	32.28		1.1394	1.1394	0	2.42E+07	1.58	1.14	90 %	25%	150%
ES PCB-126	36.18		1.2772	1.2772	0	2.46E+07	1.58	1.34	77.9 %	25%	150%
ES PCB-153	34.14		0.9698	0.9698	0	2.49E+07	1.28	1.14	92 %	25%	150%
ES PCB-155	28.14		0.7994	0.7995	+0.2	3.29E+07	1.29	1.61	88.4 %	25%	150%
ES PCB-156/157	38.73		1.1004	1.1003	-0.2	3.83E+07	1.27	0.98	84.8 %	25%	150%
ES PCB-167	37.75		1.0723	1.0722	-0.2	2.09E+07	1.31	1.01	89.7 %	25%	150%
ES PCB-169	41.47		1.1781	1.1781	0	1.50E+07	1.28	0.90	72.4 %	25%	150%
ES PCB-170	40.97		0.9031	0.9030	-0.2	1.65E+07	1.04	1.28	97.5 %	25%	150%
ES PCB-180	39.89		0.8794	0.8793	-0.2	2.06E+07	1.05	1.54	103 %	25%	150%
ES PCB-188	33.00		0.7275	0.7273	-0.4	3.15E+07	1.05	1.63	84 %	25%	150%
ES PCB-189	43.59		0.9610	0.9609	-0.3	2.12E+07	1.07	1.97	81.5 %	25%	150%
ES PCB-202	37.54		0.8277	0.8275	-0.5	2.55E+07	0.90	1.26	87.7 %	25%	150%
ES PCB-205	45.77		1.0088	1.0088	0	1.34E+07	0.88	1.22	82.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.24		1.0412	1.0413	+0.3	1.30E+07	0.78	1.10	89.5 %	25%	150%
ES PCB-208	43.19		0.9520	0.9519	-0.3	1.85E+07	0.80	1.41	99.6 %	25%	150%
ES PCB-209	48.59		1.0711	1.0711	0	1.26E+07	1.18	1.24	76.7 %	25%	150%
SS PCB-28	20.84		0.9292	0.9291	-0.1	3.81E+07	1.09	1.18	98 %	30%	135%
SS PCB-111	30.61		1.0804	1.0804	0	2.63E+07	1.58	1.01	108 %	30%	135%
SS PCB-178	35.58		1.0107	1.0107	0	2.03E+07	1.04	0.60	107 %	30%	135%
CS PCB-28	20.84		0.9292	0.9291	-0.1	3.81E+07	1.09	1.52	84.2 %	30%	135%
CS PCB-111	30.61		1.0804	1.0804	0	2.63E+07	1.58	1.15	97.2 %	30%	135%
CS PCB-178	35.58		1.0107	1.0107	0	2.03E+07	1.04	0.98	89.7 %	30%	135%
JS PCB-9	14.68					5.31E+07	1.62				
JS PCB-52	22.43					2.97E+07	0.81				
JS PCB-101	28.33					2.36E+07	1.59				
JS PCB-138	35.20					2.31E+07	1.34				
JS PCB-194	45.37					1.32E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	115	115	0.32		
						Di-CBs	289	295	0.497		
						Tri-CBs	1,050	1,050	0.558		
						Tetra-CBs	2,180	2,180	0.512		
						Penta-CBs	2,280	2,280	0.515		
						Hexa-CBs	1,500	1,500	0.583		
						Hepta-CBs	555	555	0.532		
						Octa-CBs	150	151	0.658		
						Nona-CBs	29.8	29.8	0.915		
PCB-1 2-MoCB	10.58		1.0011	1.0011	0	8.97E+06	3.00	1.25	53.6	7.50E+03	0.366
PCB-2 3-MoCB	12.47		0.9877	0.9881	+0.3	3.90E+06	2.89	1.26	20.9	7.50E+03	0.275
PCB-3 4-MoCB	12.64		1.0010	1.0010	0	7.57E+06	2.97	1.27	40.4	7.50E+03	0.273
PCB-4 22'-DiCB	12.87		1.0011	1.0011	0	2.85E+06	1.49	0.90	25.5	7.33E+03	0.462
PCB-10 26-DiCB	13.02	EMPC	1.0136	1.0133	-0.2	2.76E+05	1.31	1.40	1.58	7.33E+03	0.296
PCB-9 25-DiCB	14.70		1.0010	1.0010	0	1.39E+06	1.61	1.00	6.89	1.30E+04	0.582
PCB-7 24-DiCB	14.84	EMPC	1.0113	1.0109	-0.4	1.08E+06	1.32	1.12	4.78	1.30E+04	0.518
PCB-6 23'-DiCB	15.05		1.0261	1.0254	-0.6	3.97E+06	1.43	1.03	19.1	1.30E+04	0.566
PCB-5 23-DiCB	15.33		1.0452	1.0444	-0.7	5.68E+05	SI	1.05	2.7	1.30E+04	0.557
PCB-8 24'-DiCB	15.44		1.0529	1.0519	-0.9	1.82E+07	1.52	1.06	85.5	1.30E+04	0.552
PCB-14 35-DiCB	16.89	J	0.9293	0.9292	-0.1	1.89E+05	SI	1.22	0.768	1.30E+04	0.478
PCB-11 33'-DiCB	17.64	B	0.9704	0.9705	+0.1	1.58E+07	1.48	0.98	80.4	1.30E+04	0.597
PCB-13/12 34'/34-DiCB	17.91	C	0.9856	0.9851	-0.5	2.61E+06	1.37	0.98	13.2	1.30E+04	0.594
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	1.21E+07	1.51	1.10	55	1.30E+04	0.532

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.72		1.0011	1.0010	-0.1	7.88E+05	0.98	0.95	8.16	6.97E+03	0.598
PCB-30/18 246/22'5-TrCB	17.38	C	1.1064	1.1071	+0.7	1.41E+07	1.03	1.22	113	6.97E+03	0.462
PCB-17 22'4-TrCB	17.75		1.1310	1.1306	-0.4	5.92E+06	1.04	1.05	55	6.97E+03	0.537
PCB-27 23'6-TrCB	17.94		1.1431	1.1427	-0.4	1.27E+06	0.99	1.39	8.95	6.97E+03	0.408
PCB-24 236-TrCB	18.06		1.1507	1.1502	-0.5	2.30E+05	1.13	1.36	1.66	6.97E+03	0.416
PCB-16 22'3-TrCB	18.16		1.1570	1.1567	-0.3	4.18E+06	1.05	0.82	49.9	6.97E+03	0.69
PCB-32 24'6-TrCB	18.62		1.1861	1.1858	-0.3	6.38E+06	1.05	1.47	42.4	6.97E+03	0.384
PCB-34 23'5'-TrCB	19.72		0.8111	0.8108	-0.4	2.94E+05	0.97	1.53	1.37	9.87E+03	0.469
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	9.87E+03	0.454
PCB-26/29 23'5/245-TrCB	20.12	C	0.8282	0.8273	-1.1	7.05E+06	1.04	1.56	32.4	9.87E+03	0.462
PCB-25 23'4-TrCB	20.33		0.8362	0.8359	-0.4	3.64E+06	1.03	1.59	16.3	9.87E+03	0.451
PCB-31 24'5-TrCB	20.60		0.8473	0.8471	-0.2	4.51E+07	1.03	1.62	199	9.87E+03	0.443
PCB-28/20 244' /233'-TrCB	20.86	C	0.8586	0.8578	-1.0	5.49E+07	1.03	1.51	259	9.87E+03	0.475
PCB-21/33 234/23'4'-TrCB	21.07	C	0.8656	0.8664	+1.0	2.23E+07	1.04	1.58	101	9.87E+03	0.455
PCB-22 234'-TrCB	21.42		0.8808	0.8806	-0.3	1.58E+07	1.04	1.45	78.3	9.87E+03	0.497
PCB-36 33'5-TrCB	22.76		0.9359	0.9357	-0.3	3.01E+05	1.19	1.55	1.39	9.87E+03	0.464
PCB-39 34'5-TrCB	23.11	EMPC	0.9491	0.9502	+1.5	3.85E+05	1.20	1.53	1.79	9.87E+03	0.468
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	9.87E+03	0.493
PCB-35 33'4-TrCB	23.99		0.9862	0.9862	0	1.26E+06	1.03	1.31	6.88	9.87E+03	0.548
PCB-37 344'-TrCB	24.34		1.0008	1.0007	-0.1	1.48E+07	1.06	1.39	76.1	9.87E+03	0.517
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	3.82E+03	0.262
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9078	-1.0	2.73E+06	0.76	0.90	23.5	4.37E+03	0.426
PCB-45 22'36-TeCB	20.95		0.9340	0.9340	0	2.54E+06	0.77	0.84	23.4	4.37E+03	0.457
PCB-51 22'46'-TeCB	21.02		0.9371	0.9372	+0.1	6.75E+05	0.79	0.86	6.09	4.37E+03	0.447
PCB-46 22'36'-TeCB	21.23		0.9464	0.9462	-0.3	8.96E+05	0.79	0.73	9.45	4.37E+03	0.523
PCB-52 22'55'-TeCB	22.46		1.0010	1.0010	0	3.22E+07	0.77	0.85	293	4.37E+03	0.45
PCB-73 23'5'6-TeCB	22.55		1.0064	1.0052	-1.6	2.22E+05	0.72	1.15	1.5	4.37E+03	0.334
PCB-43 22'35-TeCB	22.66		1.0103	1.0102	-0.1	7.94E+05	0.81	0.74	8.31	4.37E+03	0.519
PCB-69/49 23'46/22'45'-TeCB	22.88	C	1.0188	1.0199	+1.5	2.03E+07	0.77	1.03	151	4.37E+03	0.37
PCB-48 22'45-TeCB	23.13		1.0310	1.0310	0	4.64E+06	0.78	0.85	42	4.37E+03	0.449
PCB-44/47/65 ...-TeCB	23.33	C	1.0404	1.0398	-0.8	2.82E+07	0.77	0.91	240	4.37E+03	0.422
PCB-59/62/75 ...-TeCB	23.61	C	1.0523	1.0523	0	2.99E+06	0.75	1.15	20.1	4.37E+03	0.333
PCB-42 22'34'-TeCB	23.78		1.0599	1.0599	0	6.81E+06	0.78	0.82	64.5	4.37E+03	0.469
PCB-41 22'34-TeCB	24.10		1.0743	1.0742	-0.1	1.50E+06	0.75	0.70	16.5	4.37E+03	0.545
PCB-71/40 23'4'6/22'33'-TeCB	24.20	C	1.0788	1.0789	+0.1	1.20E+07	0.78	0.88	106	4.37E+03	0.436
PCB-64 234'6-TeCB	24.40		1.0874	1.0874	0	1.53E+07	0.78	1.24	94.9	4.37E+03	0.309
PCB-72 23'55'-TeCB	25.11		0.8338	0.8339	+0.2	7.61E+05	0.76	1.37	4.28	1.01E+04	0.646
PCB-68 23'45'-TeCB	25.36		0.8421	0.8421	0	4.44E+05	0.88	1.44	2.39	1.01E+04	0.617
PCB-57 233'5-TeCB	25.72	J	0.8542	0.8543	+0.2	1.70E+05	0.75	1.30	1.01	1.01E+04	0.685
PCB-58 233'5'-TeCB	25.94	J	0.8609	0.8615	+0.9	1.74E+05	0.84	1.29	1.04	1.01E+04	0.687
PCB-67 23'45-TeCB	26.08		0.8659	0.8660	+0.2	1.52E+06	0.78	1.38	8.52	1.01E+04	0.642
PCB-63 234'5-TeCB	26.31		0.8733	0.8736	+0.5	2.06E+06	0.74	1.43	11.1	1.01E+04	0.622
PCB-61/70/74/76 ...-TeCB	26.61	C	0.8835	0.8838	+0.5	8.61E+07	0.78	1.34	498	1.01E+04	0.664
PCB-66 23'44'-TeCB	26.88		0.8921	0.8928	+1.1	4.95E+07	0.78	1.22	313	1.01E+04	0.727
PCB-55 233'4-TeCB	27.03		0.8970	0.8977	+1.1	7.04E+05	0.88	1.27	4.28	1.01E+04	0.698

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PCB-56 233'4'-TeCB	27.48		0.9116	0.9126	+1.6	2.14E+07	0.78	1.23	135	1.01E+04	0.723
PCB-60 2344'-TeCB	27.67		0.9176	0.9188	+2.0	1.05E+07	0.79	1.24	65.2	1.01E+04	0.714
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.01E+04	0.602
PCB-79 33'45'-TeCB	29.28		0.9723	0.9723	0	8.09E+05	0.80	1.37	4.57	1.01E+04	0.649
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.01E+04	0.775
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	3.23E+03	0.237
PCB-96 22'366'-PeCB	23.61	EMPC	1.0149	1.0149	0	2.30E+05	0.83	1.00	1.95	3.23E+03	0.266
PCB-103 22'45'6'-PeCB	25.27		0.8920	0.8920	0	3.34E+05	0.65	0.92	3.56	5.80E+03	0.68
PCB-94 22'356'-PeCB	25.47	EMPC	0.8988	0.8990	+0.3	1.20E+05	0.74	0.80	1.46	5.80E+03	0.778
PCB-95 22'35'6'-PeCB	25.85		0.9122	0.9124	+0.3	1.96E+07	0.63	0.85	225	5.80E+03	0.734
PCB-100/93 22'44'6'/22'356'-PeCB	26.03	C	0.9190	0.9186	-0.6	2.95E+05	0.61	0.87	3.3	5.80E+03	0.713
PCB-102 22'456'-PeCB	26.16		0.9234	0.9235	+0.2	9.08E+05	0.61	0.86	10.3	5.80E+03	0.721
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	5.80E+03	0.713
PCB-88 22'346'-PeCB	NotFnd		0.9356	-		0.00E+00		0.73	ND	5.80E+03	0.853
PCB-91 22'34'6'-PeCB	26.59		0.9382	0.9387	+0.8	3.93E+06	0.62	1.01	38	5.80E+03	0.618
PCB-84 22'33'6'-PeCB	26.79		0.9453	0.9457	+0.6	6.08E+06	0.61	0.74	80	5.80E+03	0.84
PCB-89 22'346'-PeCB	27.22		0.9597	0.9606	+1.5	3.49E+05	0.61	0.78	4.34	5.80E+03	0.795
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	5.80E+03	0.535
PCB-92 22'355'-PeCB	27.87		0.9830	0.9836	+1.0	5.70E+06	0.63	0.83	67.4	5.80E+03	0.754
PCB-113/90/101 ...-PeCB	28.35	C	0.9999	1.0008	+1.5	3.24E+07	0.62	0.96	329	5.80E+03	0.649
PCB-83 22'33'5'-PeCB	28.75		1.0151	1.0149	-0.3	1.47E+06	0.65	0.69	20.6	5.80E+03	0.899
PCB-99 22'44'5'-PeCB	28.85		1.0182	1.0182	0	1.77E+07	0.63	0.87	199	5.80E+03	0.717
PCB-112 233'56'-PeCB	28.98		1.0218	1.0230	+2.1	1.96E+05	0.59	1.12	1.71	5.80E+03	0.557
PCB-108/119/86/97/125...-PeCB	29.32	C	1.0331	1.0350	+3.3	2.19E+07	0.62	0.95	225	5.80E+03	0.656
PCB-117 234'56'-PeCB	29.81		1.0524	1.0523	-0.2	9.44E+05	0.64	0.98	9.42	5.80E+03	0.637
PCB-116/85 23456/22'344'-PeCB	29.90	C	1.0553	1.0553	0	5.55E+06	0.63	0.98	55	5.80E+03	0.633
PCB-110 233'4'6'-PeCB	30.04		1.0600	1.0602	+0.4	4.27E+07	0.63	0.95	436	5.80E+03	0.653
PCB-115 2344'6'-PeCB	30.15		1.0628	1.0641	+2.4	1.05E+06	0.68	1.24	8.29	5.80E+03	0.503
PCB-82 22'33'4'-PeCB	30.31		1.0701	1.0699	-0.4	3.17E+06	0.64	0.72	42.9	5.80E+03	0.864
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	5.80E+03	0.539
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	5.80E+03	0.549
PCB-107/124 ...-PeCB	31.99	C	0.9910	0.9912	+0.4	1.24E+06	0.67	1.01	11.9	5.80E+03	0.614
PCB-109 233'46'-PeCB	32.20		0.9972	0.9975	+0.6	3.14E+06	0.63	1.09	28.1	5.80E+03	0.571
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	5.80E+03	0.622
PCB-122 233'4'5'-PeCB	32.87		1.0098	1.0095	-0.6	4.63E+05	0.68	0.94	4.87	5.80E+03	0.697
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	5.80E+03	0.679
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	2.89E+03	0.191
PCB-152 22'3566'-HxCB	NotFnd		1.0070	-		0.00E+00		1.00	ND	2.89E+03	0.208
PCB-150 22'34'66'-HxCB	NotFnd		1.0119	-		0.00E+00		1.02	ND	2.89E+03	0.205
PCB-136 22'33'66'-HxCB	28.79		1.0230	1.0228	-0.3	4.96E+06	1.22	0.91	39	2.89E+03	0.228
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	2.89E+03	0.222
PCB-148 22'34'56'-HxCB	30.31	J EMPC	1.0772	1.0772	0	5.57E+04	0.93	1.01	0.521	2.89E+03	0.286
PCB-151/135 ...-HxCB	30.83	C	1.0959	1.0955	-0.7	1.05E+07	1.23	0.97	103	2.89E+03	0.299
PCB-154 22'44'56'-HxCB	31.03		1.1028	1.1026	-0.4	5.60E+05	1.23	1.10	4.83	2.89E+03	0.264
PCB-144 22'345'6'-HxCB	31.30		1.1124	1.1121	-0.6	1.43E+06	1.19	1.00	13.6	2.89E+03	0.289

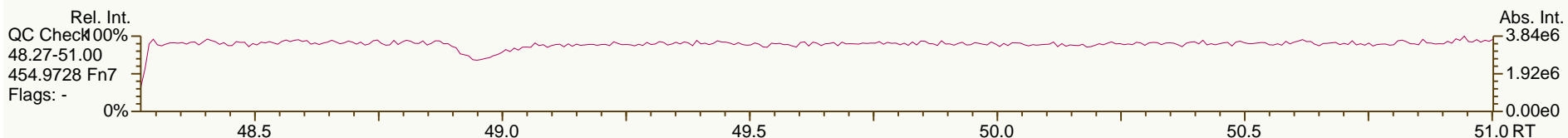
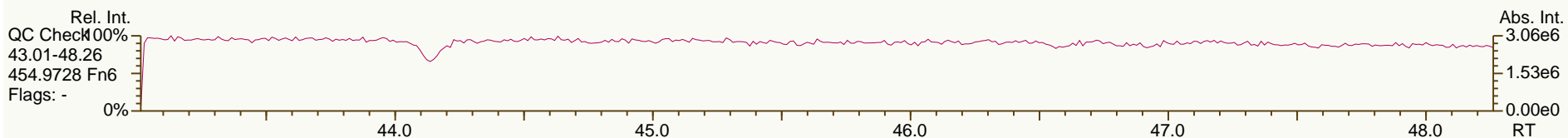
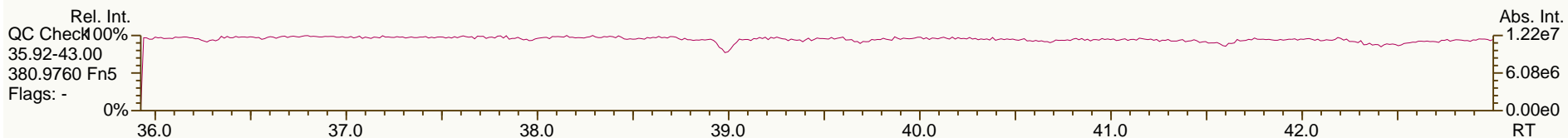
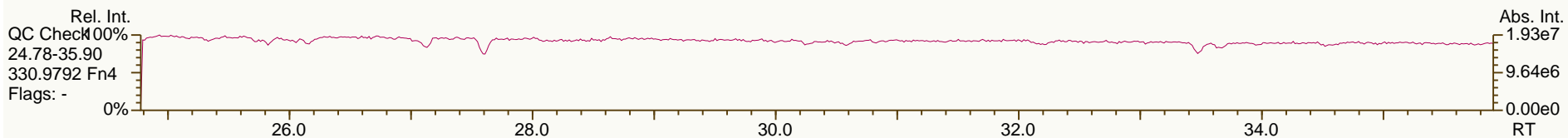
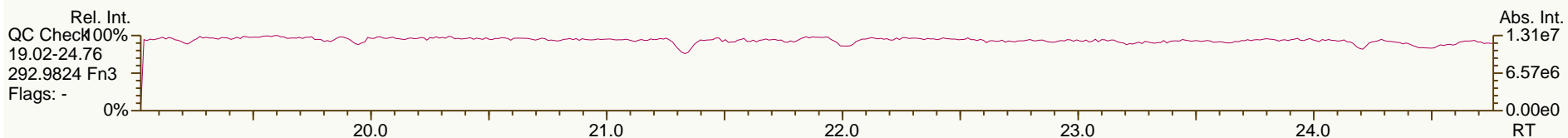
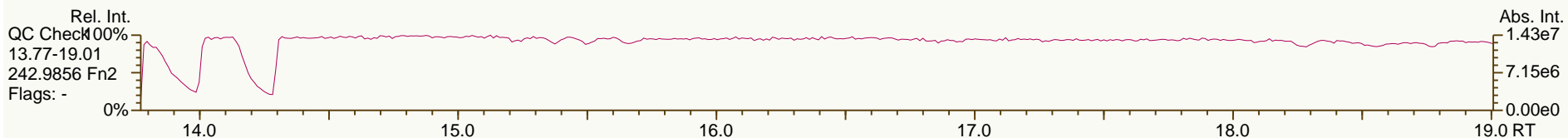
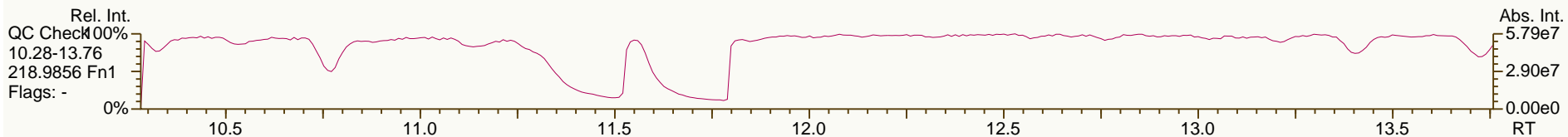
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.60	C	1.1231	1.1229	-0.4	2.57E+07	1.25	0.99	245	2.89E+03	0.292
PCB-134 22'33'56"-HxCB	31.78		1.1293	1.1291	-0.4	1.50E+06	1.30	0.82	17.4	2.89E+03	0.355
PCB-143 22'34'56"-HxCB	31.85		1.1322	1.1317	-1.0	1.92E+05	1.39	0.97	1.88	2.89E+03	0.299
PCB-139/140 ...-HxCB	32.11	C	1.1412	1.1409	-0.6	6.12E+05	1.14	1.01	5.75	2.89E+03	0.288
PCB-131 22'33'46"-HxCB	32.29		1.1475	1.1473	-0.4	3.45E+05	1.17	0.88	3.72	2.89E+03	0.329
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	2.89E+03	0.323
PCB-132 22'33'46"-HxCB	32.68		1.1613	1.1612	-0.2	9.85E+06	1.24	0.91	103	2.89E+03	0.319
PCB-133 22'33'55"-HxCB	33.09		1.1757	1.1756	-0.2	5.59E+05	1.18	0.93	5.73	2.89E+03	0.314
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	2.89E+03	0.263
PCB-146 22'34'55"-HxCB	33.63		0.9555	0.9555	0	5.86E+06	1.28	0.96	58.2	2.89E+03	0.304
PCB-161 233'45'6"-HxCB	NotFnd		0.9588	-		0.00E+00		1.27	ND	2.89E+03	0.228
PCB-153/168 ...-HxCB	34.16	C	0.9709	0.9704	-1.0	3.57E+07	1.25	1.24	274	2.89E+03	0.235
PCB-141 22'34'55"-HxCB	34.33		0.9751	0.9752	+0.2	5.58E+06	1.25	0.95	55.5	2.89E+03	0.305
PCB-130 22'33'45"-HxCB	34.67		0.9850	0.9850	0	2.15E+06	1.34	0.83	24.7	2.89E+03	0.352
PCB-137 22'34'4'5"-HxCB	34.86		0.9904	0.9903	-0.2	1.38E+06	1.30	1.02	12.8	2.89E+03	0.284
PCB-164 233'4'5'6"-HxCB	34.96		0.9931	0.9931	0	2.87E+06	1.23	1.18	23.1	2.89E+03	0.246
PCB-163/138/129 ...-HxCB	35.23	C	1.0011	1.0007	-0.8	3.72E+07	1.26	0.96	368	2.89E+03	0.303
PCB-160 233'456"-HxCB	35.38		1.0045	1.0050	+1.1	6.00E+05	1.26	1.24	4.59	2.89E+03	0.234
PCB-158 233'44'6"-HxCB	35.55		1.0101	1.0100	-0.2	4.52E+06	1.28	1.29	33.2	2.89E+03	0.225
PCB-128/166 ...-HxCB	36.31	C	0.9615	0.9619	+0.9	4.32E+06	1.26	0.97	50.4	4.45E+03	0.61
PCB-159 233'455"-HxCB	37.09	B	0.9832	0.9827	-1.1	2.73E+05	1.27	1.11	2.79	4.45E+03	0.533
PCB-162 233'4'55"-HxCB	37.35		0.9896	0.9896	0	1.19E+05	1.42	1.08	1.24	4.45E+03	0.544
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	3.04E+03	0.256
PCB-179 22'33'566"-HpCB	33.31		1.0095	1.0095	0	3.57E+06	1.03	0.92	29.1	3.04E+03	0.273
PCB-184 22'344'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.04E+03	0.275
PCB-176 22'33'466"-HpCB	34.06		1.0322	1.0322	0	1.02E+06	1.09	1.01	7.55	3.04E+03	0.248
PCB-186 22'34566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.04E+03	0.26
PCB-178 22'33'55'6"-HpCB	35.60		1.0787	1.0788	+0.2	1.42E+06	0.99	0.72	14.9	3.04E+03	0.352
PCB-175 22'33'45'6"-HpCB	36.13		1.0951	1.0950	-0.2	2.64E+05	1.12	1.01	2.99	4.97E+03	0.655
PCB-187 22'34'55'6"-HpCB	36.37		1.1020	1.1021	+0.2	8.35E+06	1.06	1.09	88	4.97E+03	0.609
PCB-182 22'344'56"-HpCB	NotFnd		1.1073	-		0.00E+00		1.11	ND	4.97E+03	0.598
PCB-183 22'344'5'6"-HpCB	36.88	B	1.1177	1.1178	+0.2	3.56E+06	1.01	1.05	38.7	4.97E+03	0.63
PCB-185 22'3455'6"-HpCB	36.96		1.1202	1.1202	0	6.50E+05	1.01	1.05	7.1	4.97E+03	0.633
PCB-174 22'33'456"-HpCB	37.09	B	1.1240	1.1241	+0.2	5.30E+06	1.06	0.93	65.1	4.97E+03	0.71
PCB-177 22'33'45'6"-HpCB	37.46		1.1354	1.1353	-0.2	3.39E+06	1.01	0.92	42.3	4.97E+03	0.721
PCB-181 22'344'56"-HpCB	NotFnd		1.1454	-		0.00E+00		1.03	ND	4.97E+03	0.646
PCB-171/173 ...-HpCB	38.00	B C	1.1512	1.1515	+0.7	1.64E+06	1.06	0.91	20.7	4.97E+03	0.729
PCB-172 22'33'455"-HpCB	39.36	B	0.9027	0.9028	+0.2	8.98E+05	1.00	0.89	11.6	4.97E+03	0.747
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	4.97E+03	0.588
PCB-180/193 ...-HpCB	39.91	B C	0.9147	0.9155	+1.9	1.35E+07	1.05	1.07	144	4.97E+03	0.62
PCB-191 233'44'5'6"-HpCB	40.21		0.9222	0.9223	+0.2	3.43E+05	1.05	1.16	3.38	4.97E+03	0.571
PCB-170 22'33'44'5"-HpCB	40.99	B	0.9401	0.9402	+0.2	4.53E+06	1.03	0.99	65.2	4.97E+03	0.738
PCB-190 233'44'56"-HpCB	41.43	B	0.9503	0.9503	0	1.08E+06	1.06	1.27	12.2	4.97E+03	0.578
PCB-202 22'33'55'66"-OoCB	37.56		1.0006	1.0005	-0.2	9.42E+05	0.87	0.86	10.1	3.90E+03	0.451
PCB-201 22'33'45'66"-OoCB	38.34		1.0214	1.0214	0	5.24E+05	0.93	0.95	5.1	3.90E+03	0.411

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.90E+03	0.437
PCB-197 22'33'44'66'-OcCB	39.11	J EMPC	1.0417	1.0417	0	1.13E+05	0.74	0.93	1.13	3.90E+03	0.421
PCB-200 22'33'4566'-OcCB	39.21	B	1.0444	1.0444	0	4.02E+05	0.86	0.92	4.04	3.90E+03	0.425
PCB-198/199 ...-OcCB	41.57	B C	1.1066	1.1073	+1.7	2.82E+06	0.87	0.64	40.7	3.90E+03	0.609
PCB-196 22'33'44'56'-OcCB	42.12	B	1.1220	1.1220	0	1.20E+06	0.85	0.66	16.9	3.90E+03	0.594
PCB-203 22'344'55'6-OcCB	42.29	B	1.1263	1.1264	+0.3	1.79E+06	0.92	0.68	24.3	3.90E+03	0.573
PCB-195 22'33'44'56-OcCB	43.42	B	0.9489	0.9487	-0.5	6.14E+05	0.97	0.89	12.2	4.71E+03	1.1
PCB-194 22'33'44'55'-OcCB	45.39	B	0.9918	0.9917	-0.3	1.84E+06	0.88	0.92	35.3	4.71E+03	1.07
PCB-205 233'44'55'6-OcCB	45.79		1.0004	1.0005	+0.3	1.12E+05	0.83	1.13	1.74	4.71E+03	0.864
PCB-208 22'33'455'66'-NoCB	43.21		1.0005	1.0005	0	5.18E+05	0.80	1.03	6.38	4.91E+03	0.677
PCB-207 22'33'44'566'-NoCB	43.99		1.0187	1.0186	-0.3	1.98E+05	0.74	1.00	2.54	4.91E+03	0.702
PCB-206 22'33'44'55'6-NoCB	47.26		1.0004	1.0003	-0.3	1.11E+06	0.77	0.97	20.8	4.91E+03	1.15

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Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

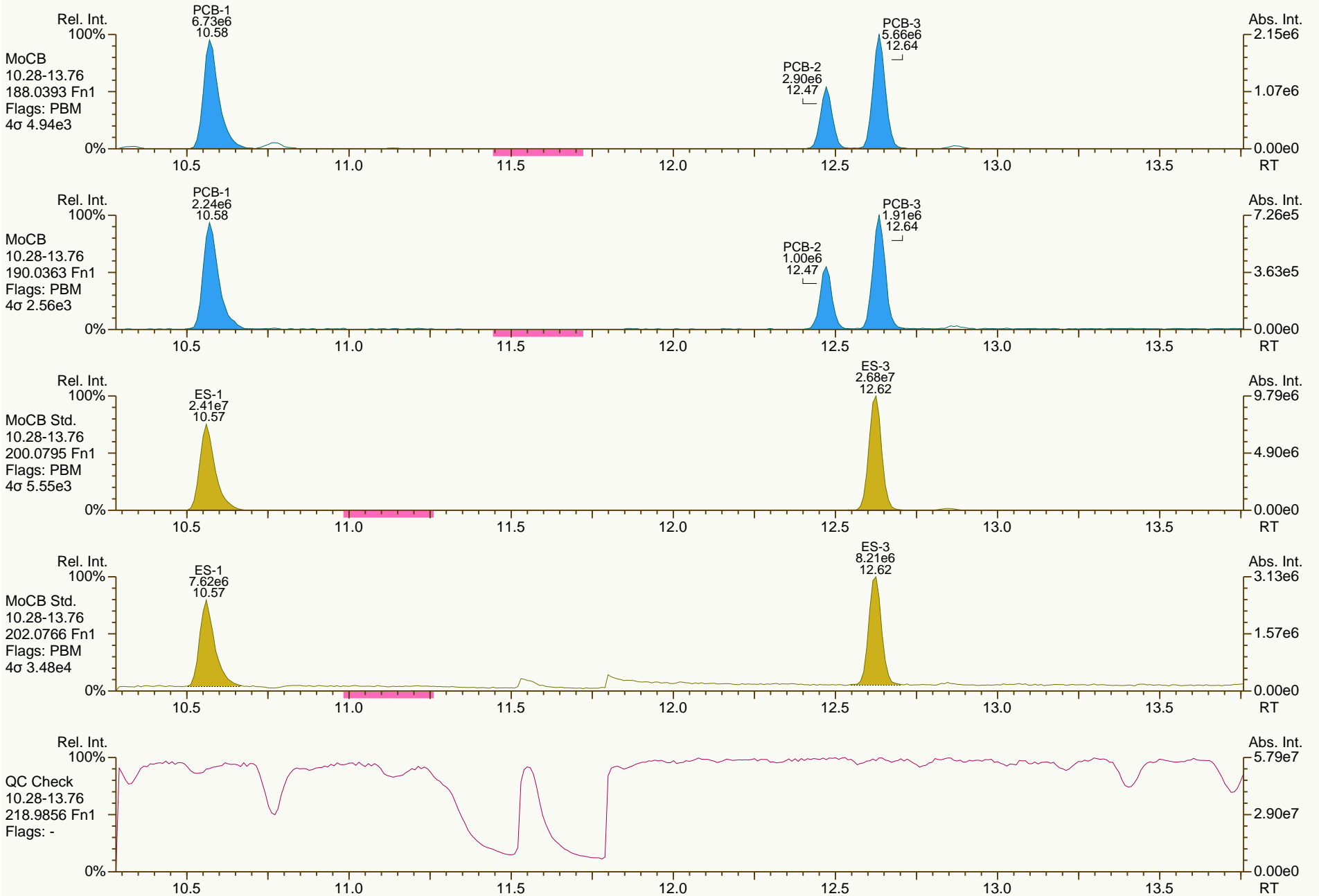
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SGS-AP ID: A5698_11123_PCB_007
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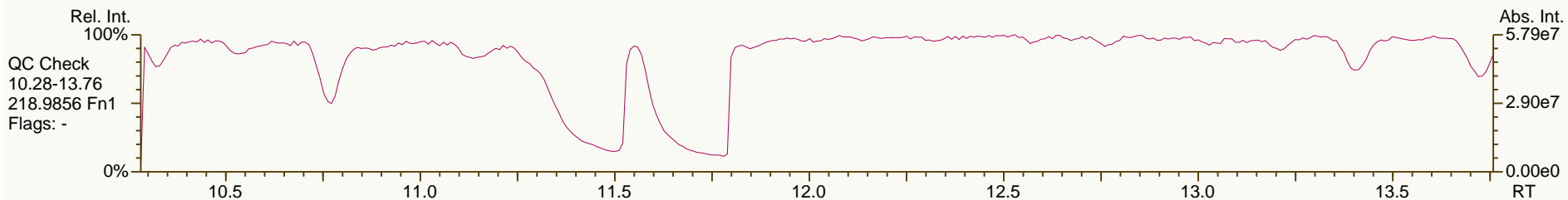
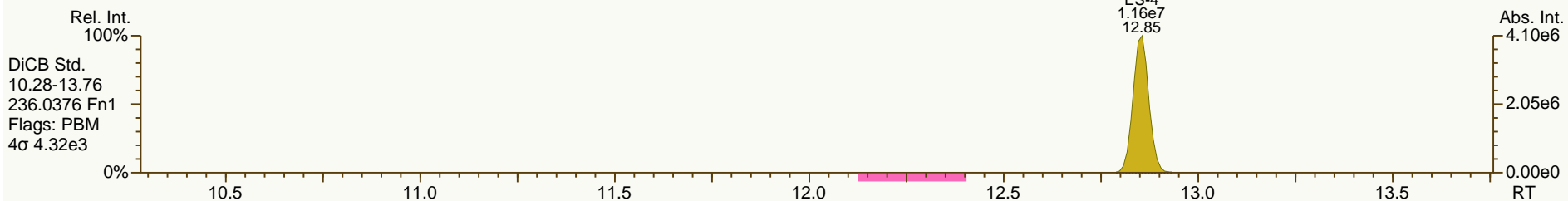
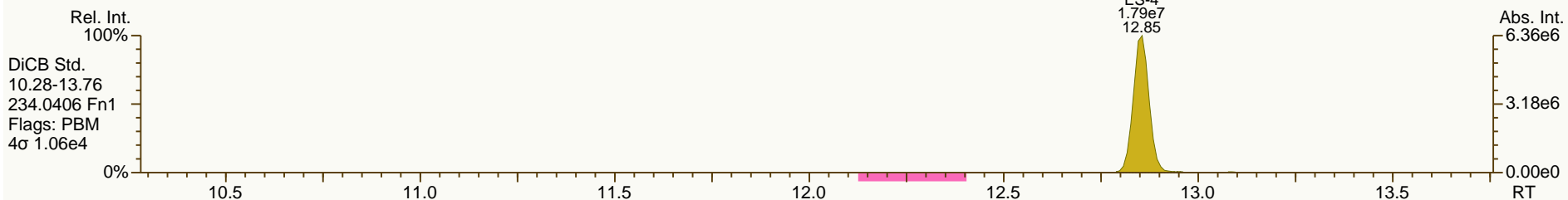
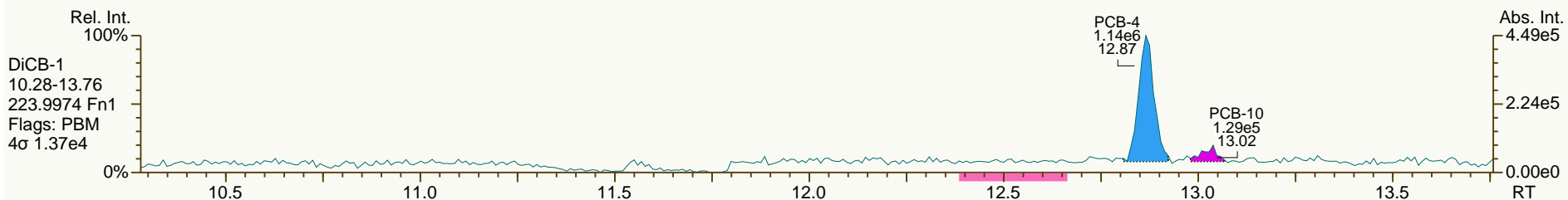
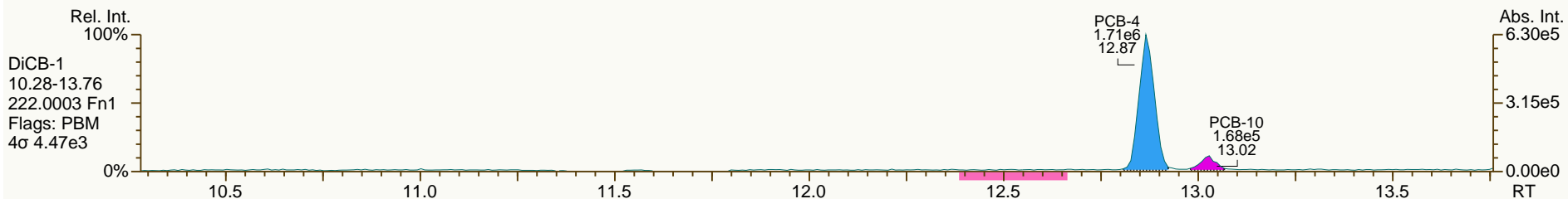
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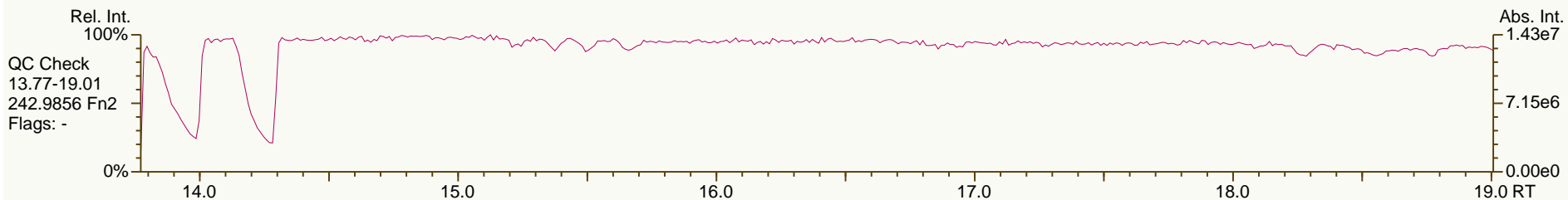
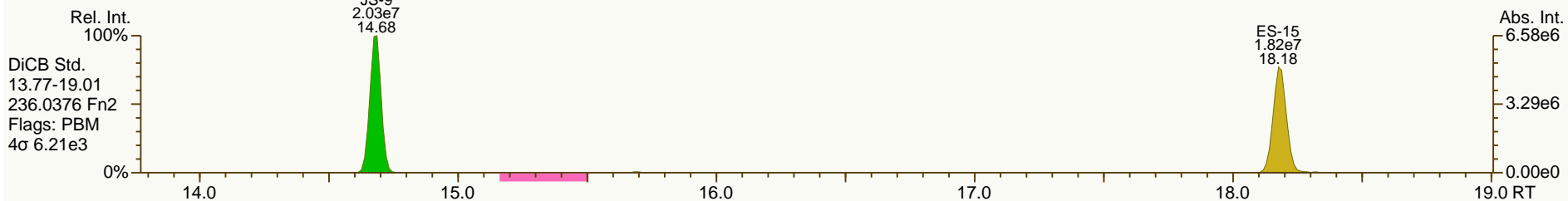
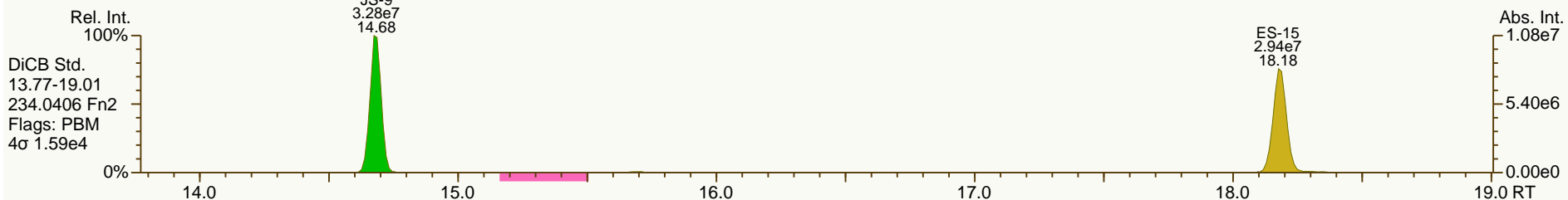
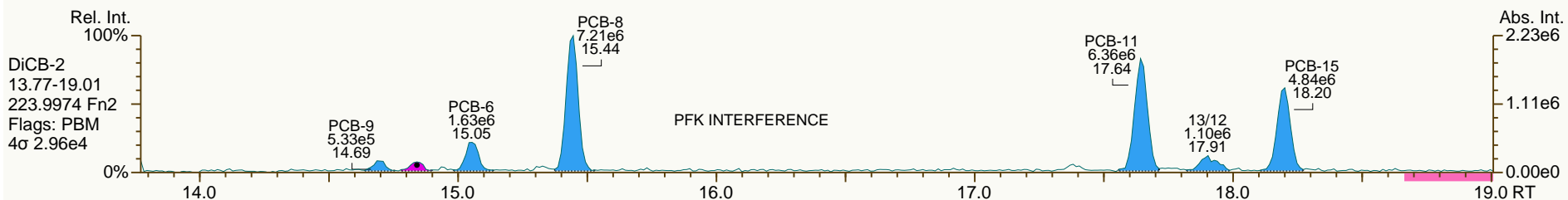
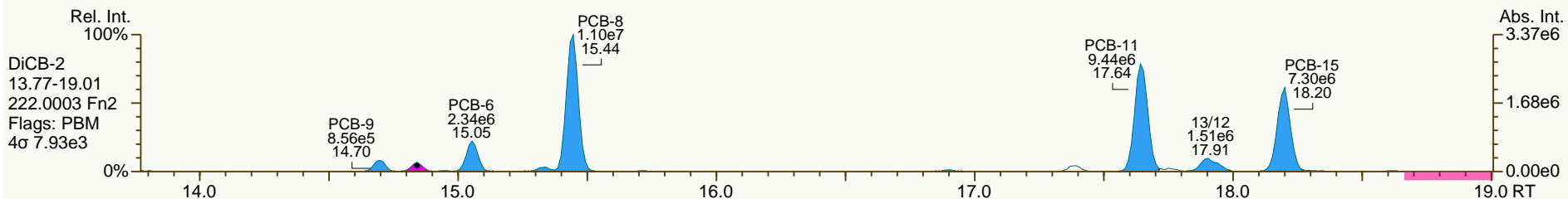
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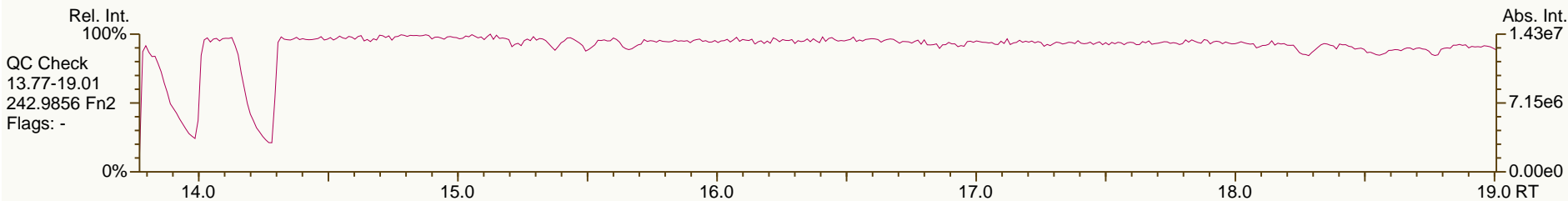
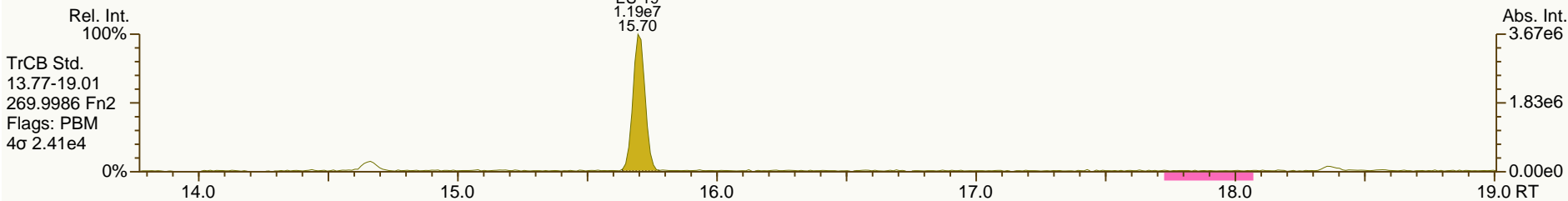
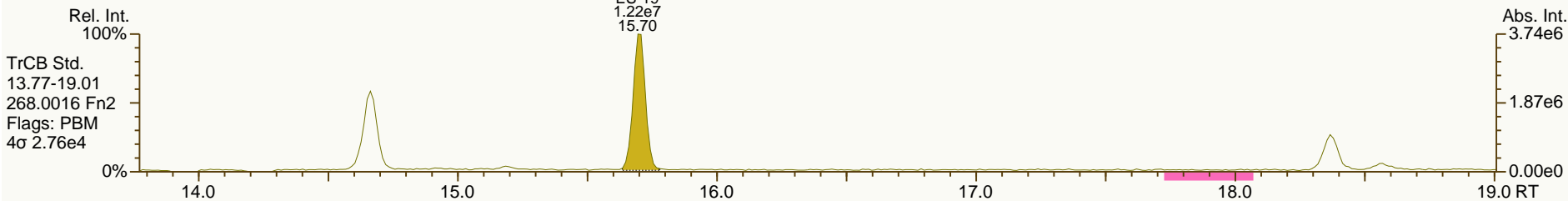
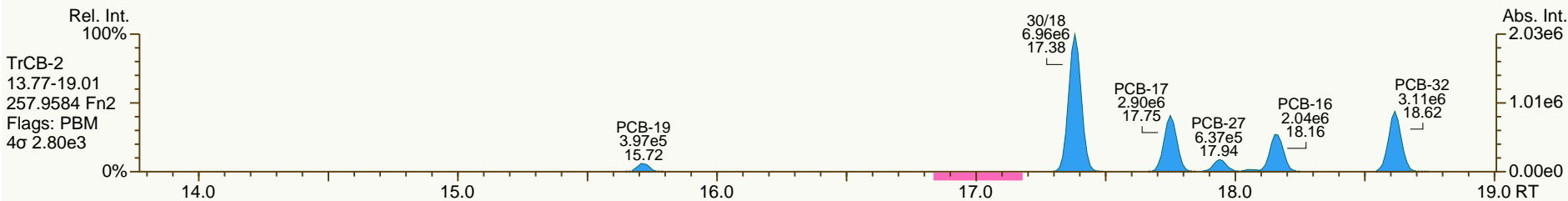
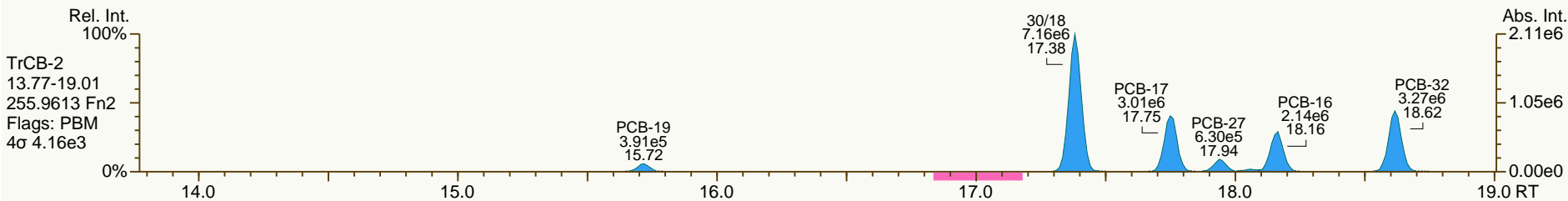
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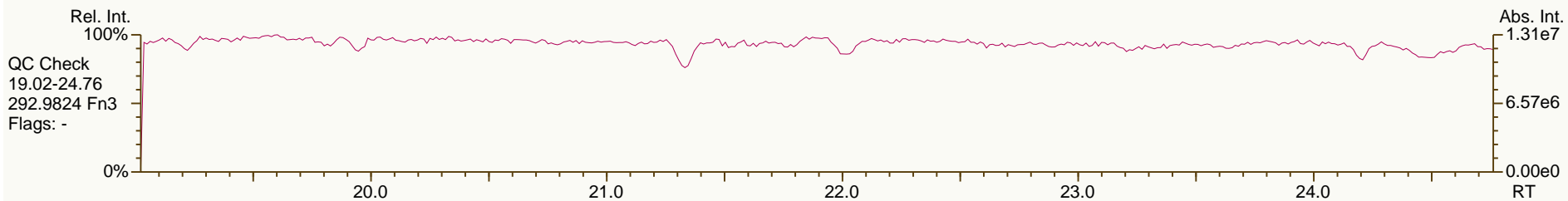
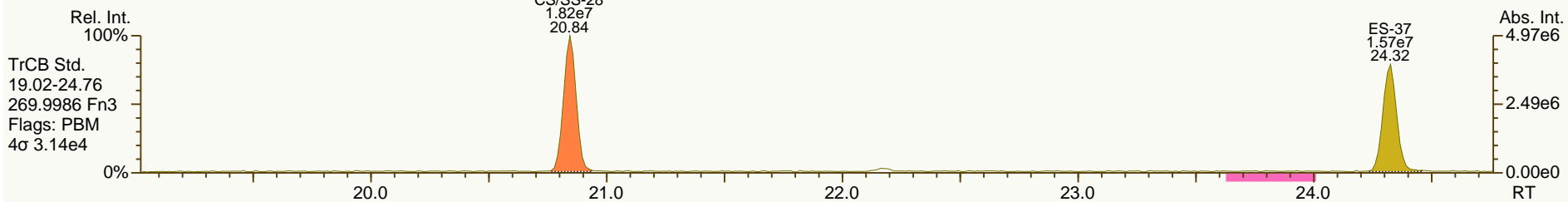
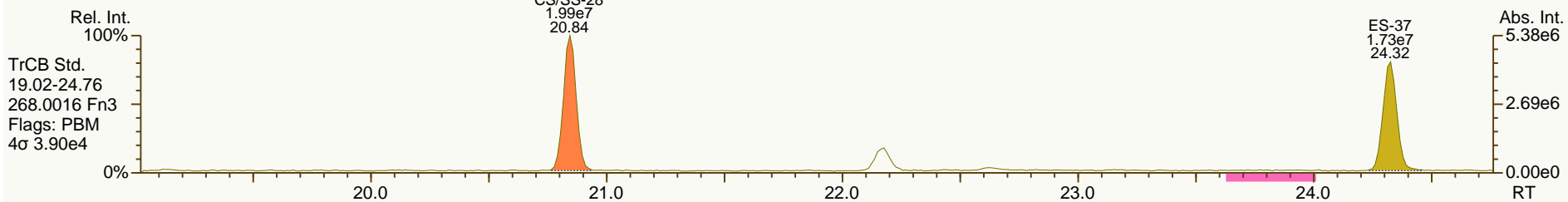
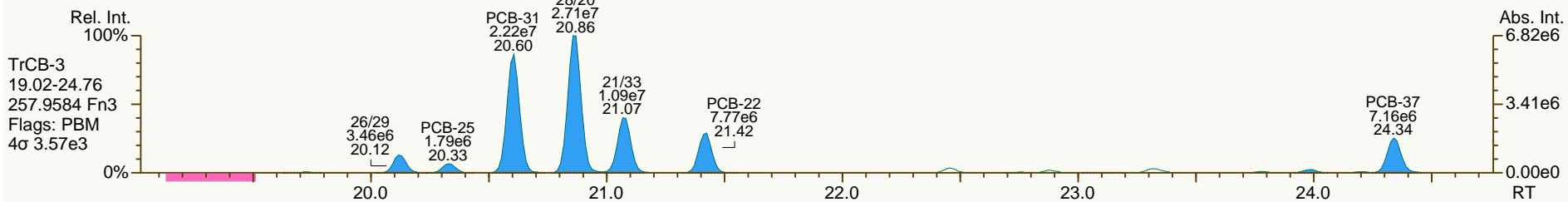
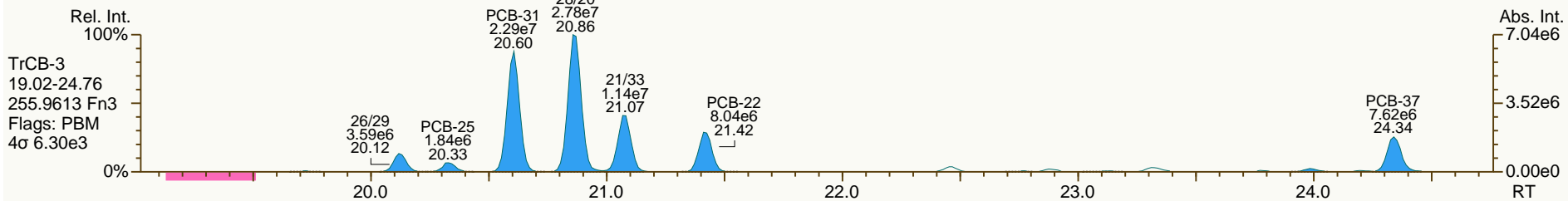
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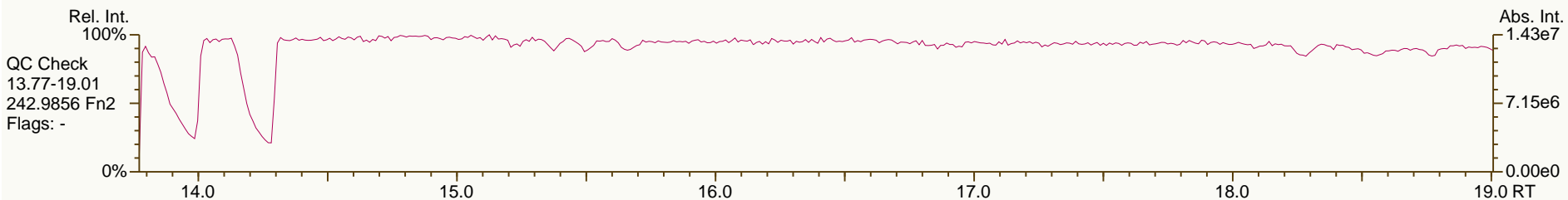
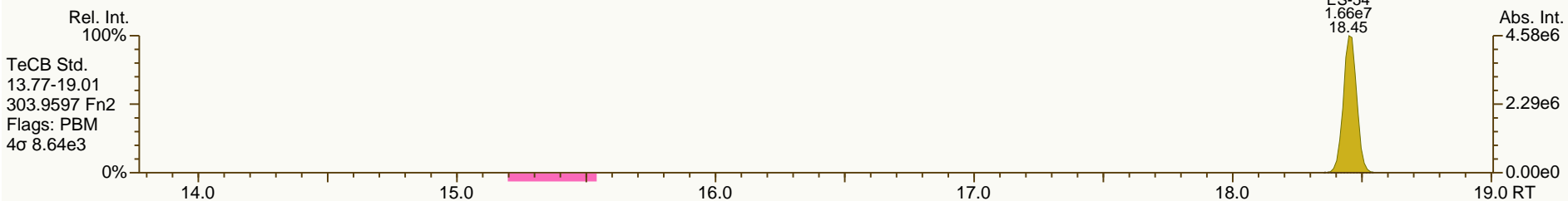
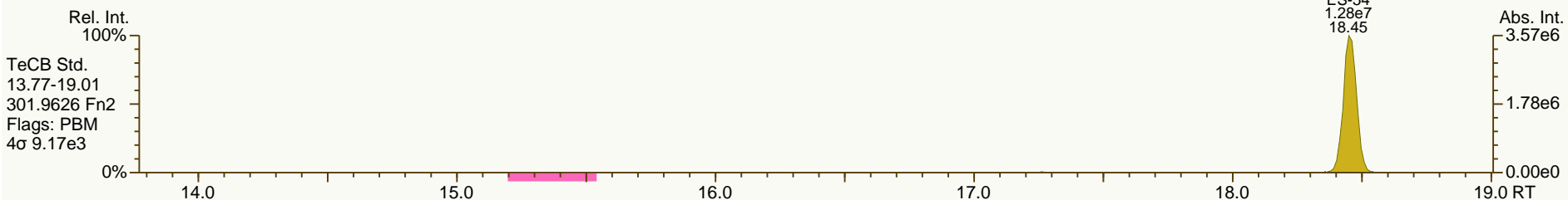
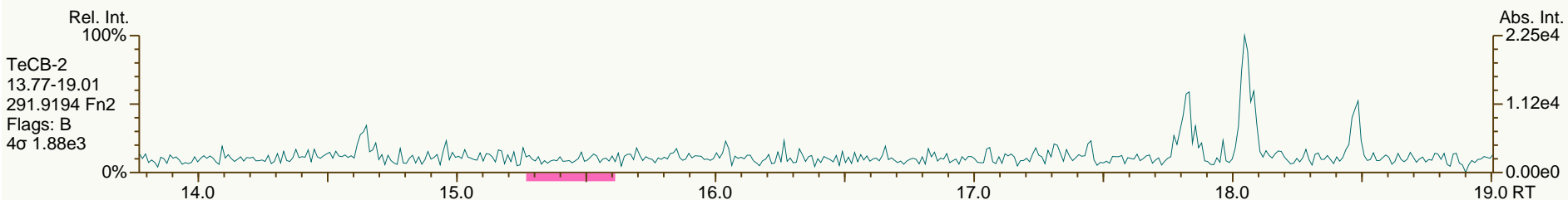
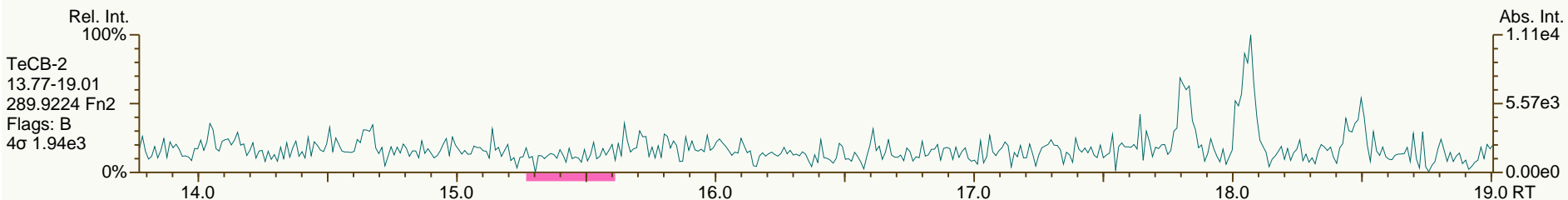
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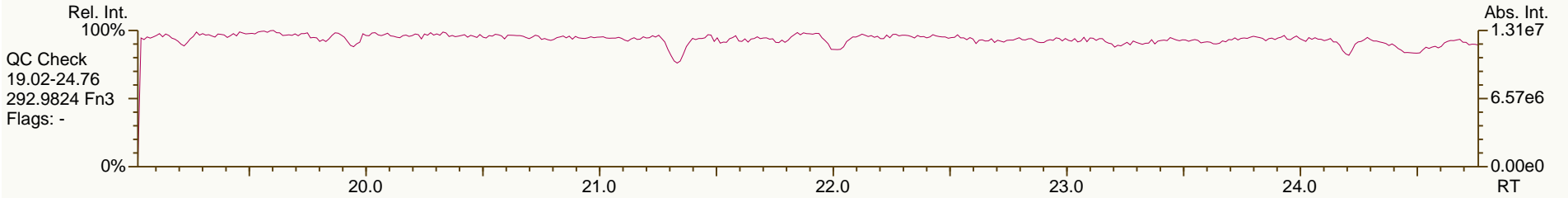
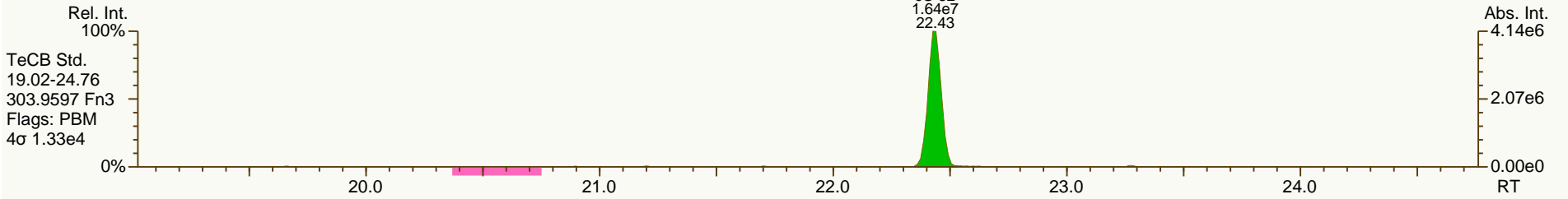
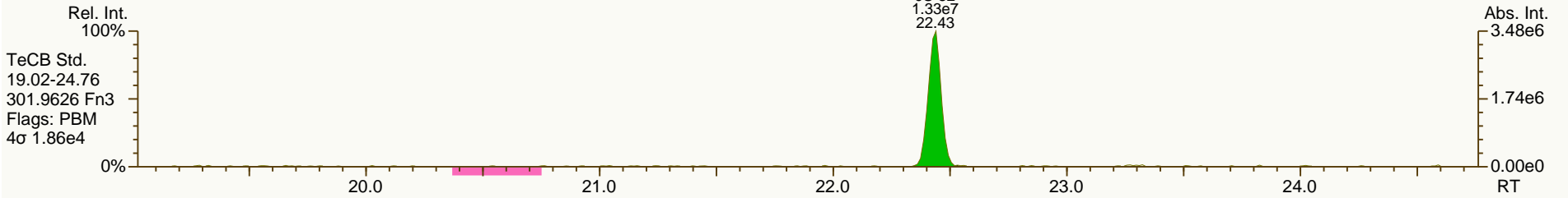
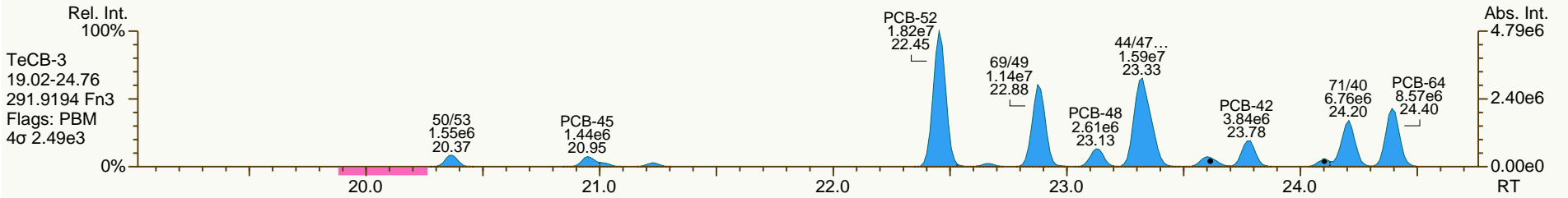
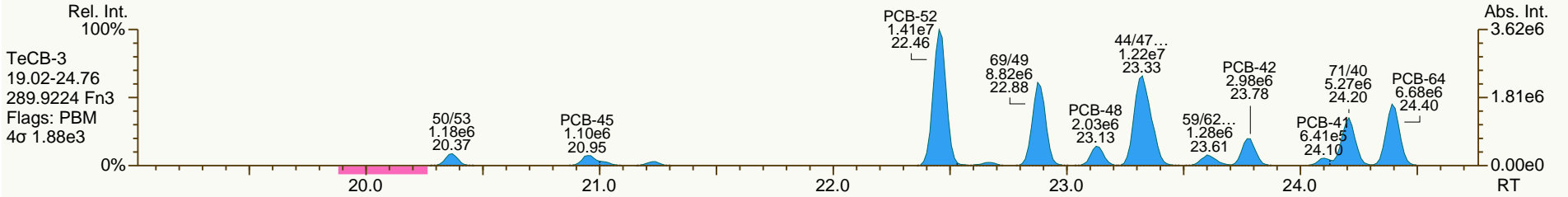
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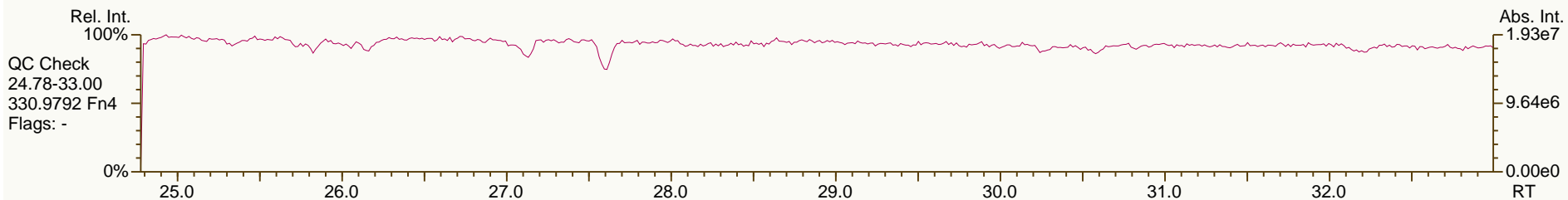
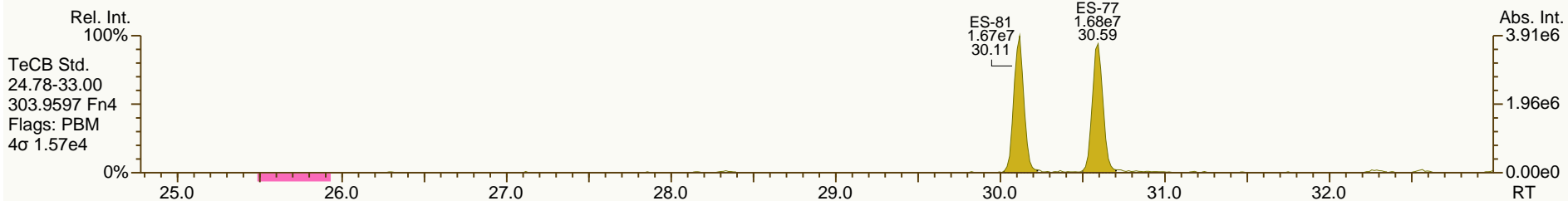
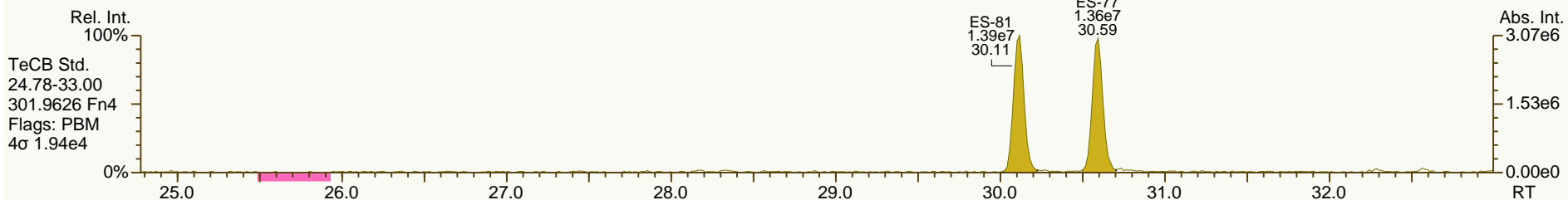
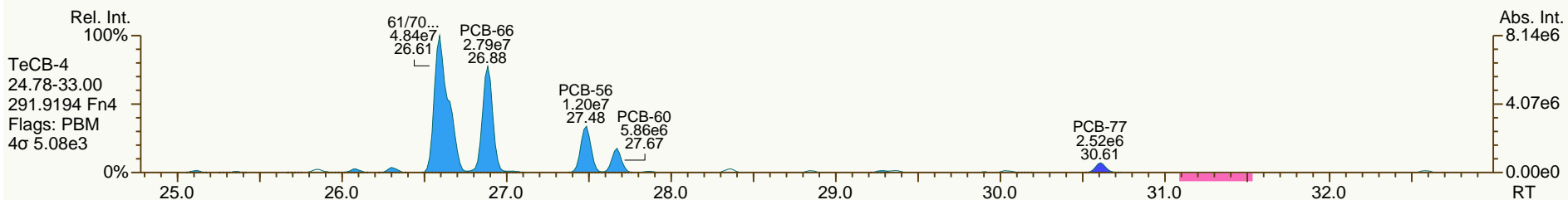
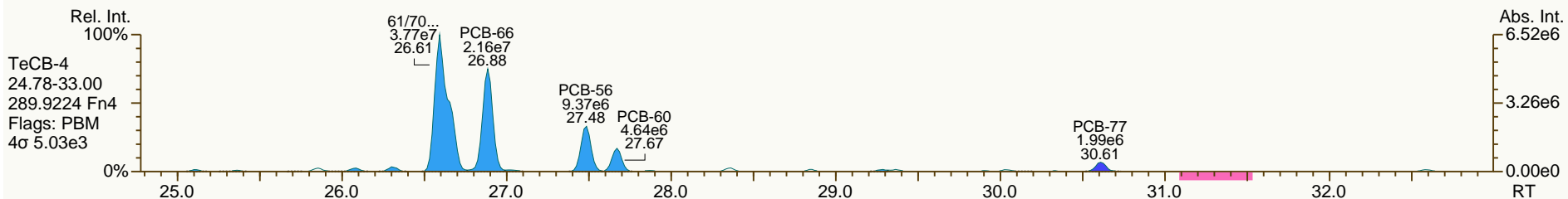
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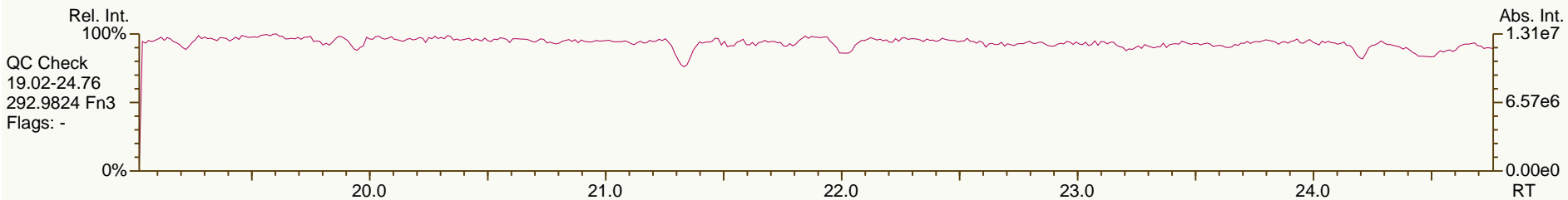
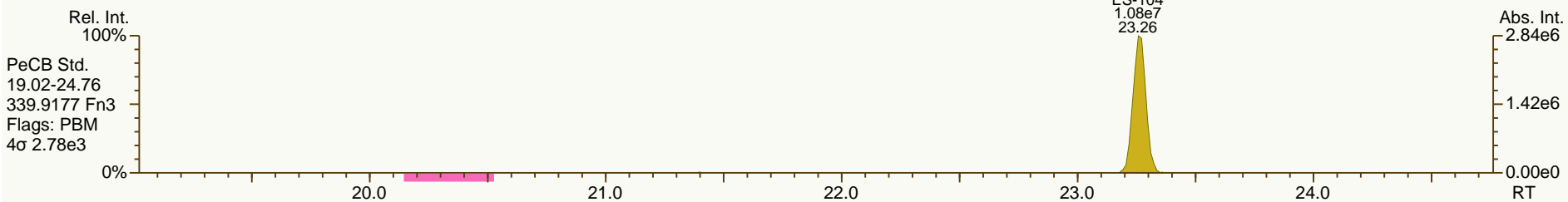
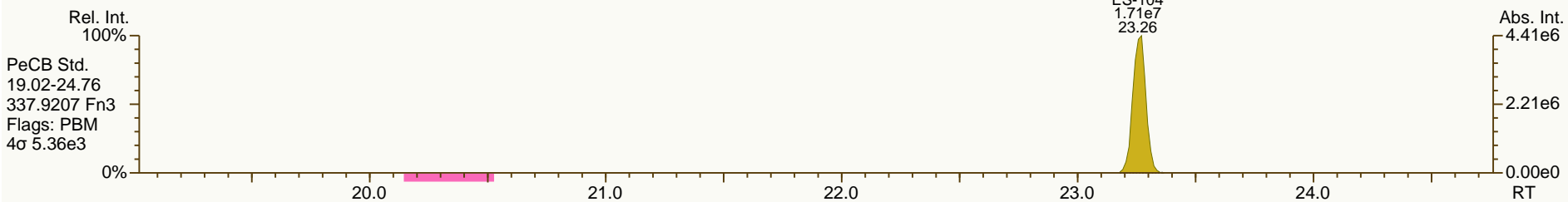
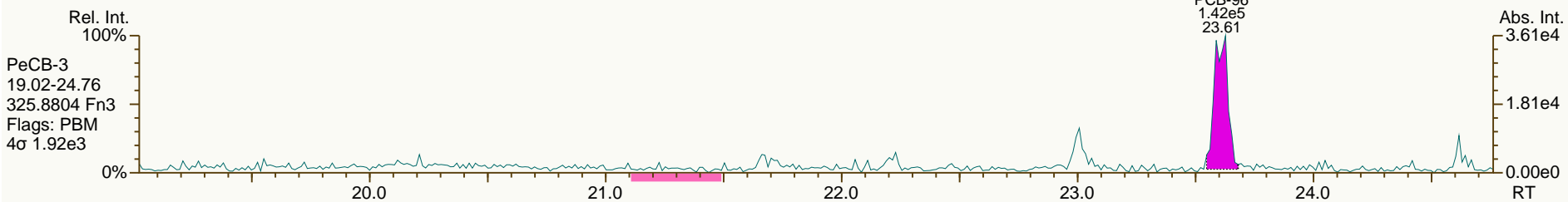
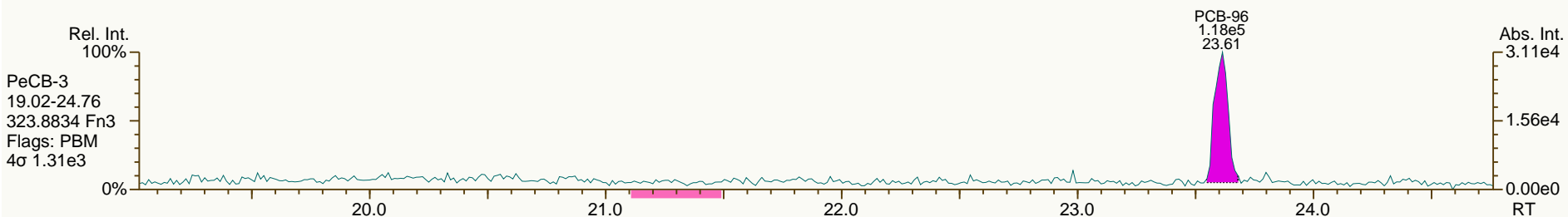
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Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

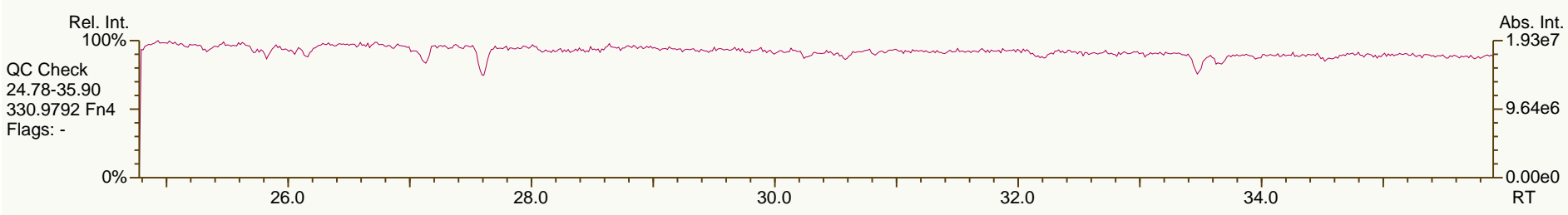
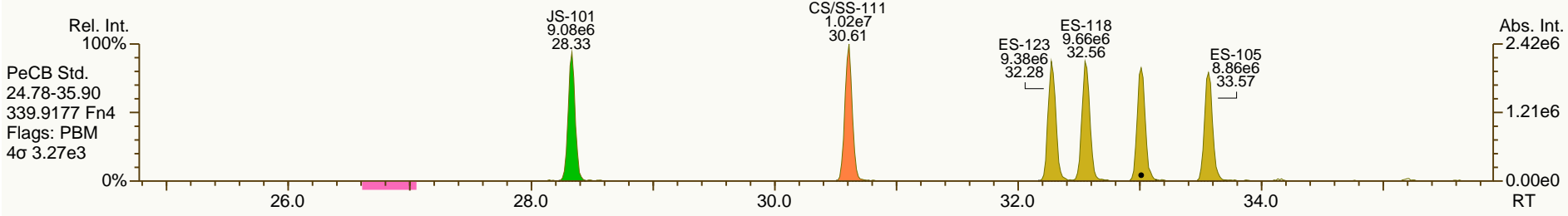
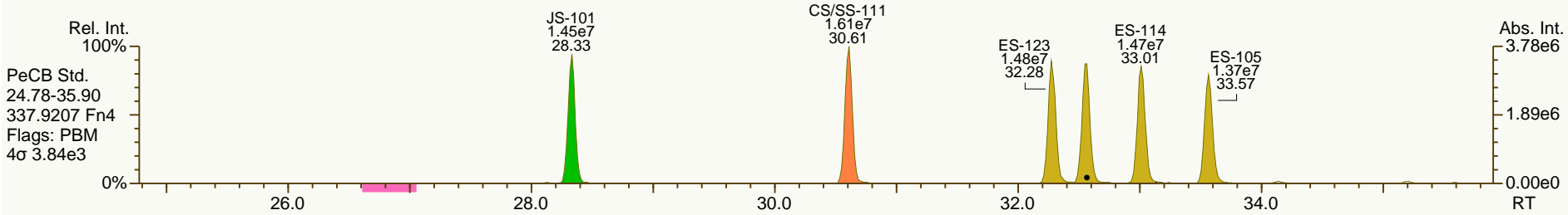
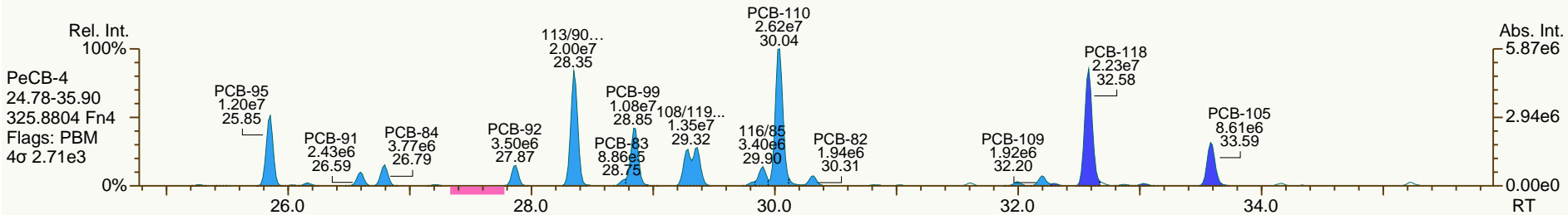
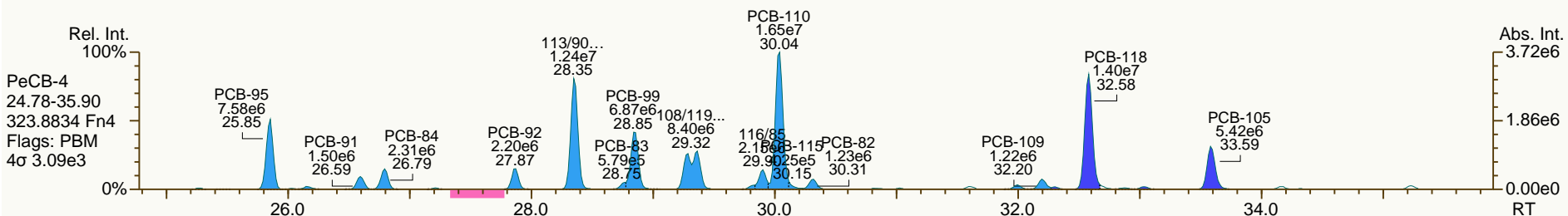
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 User: JLJ Datafile: 130719V17



SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

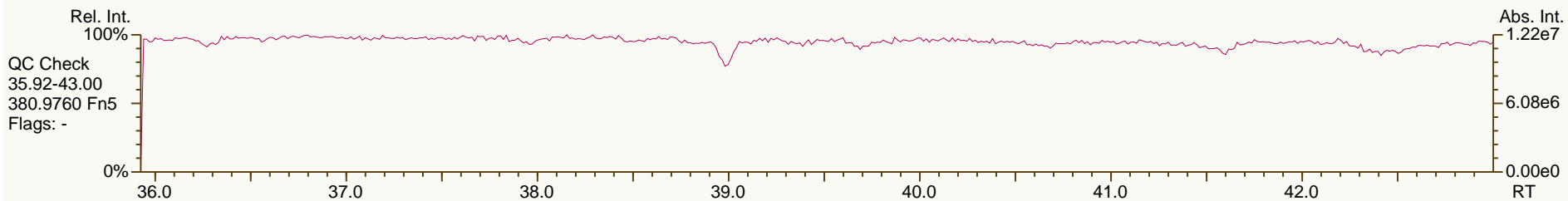
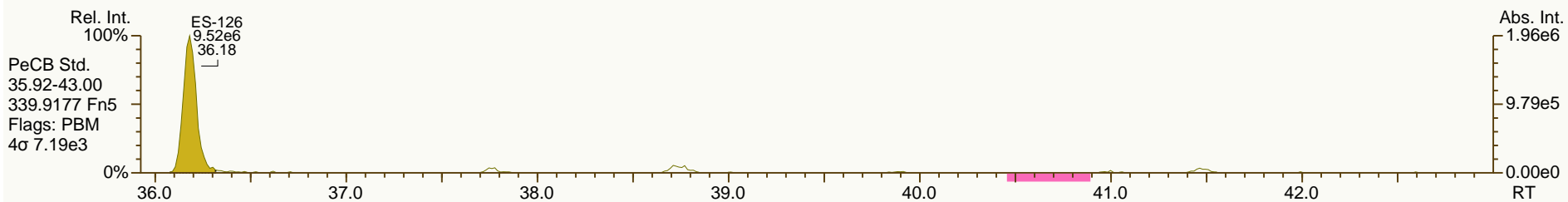
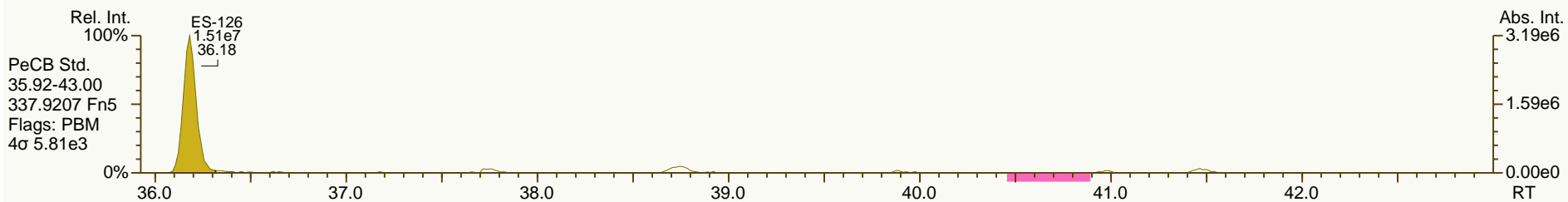
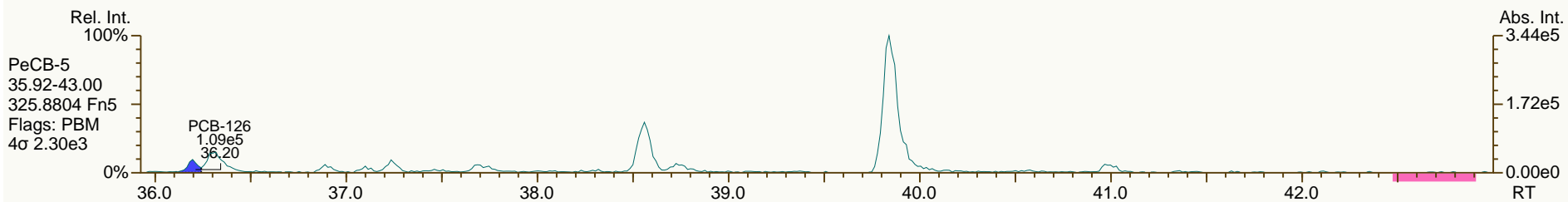
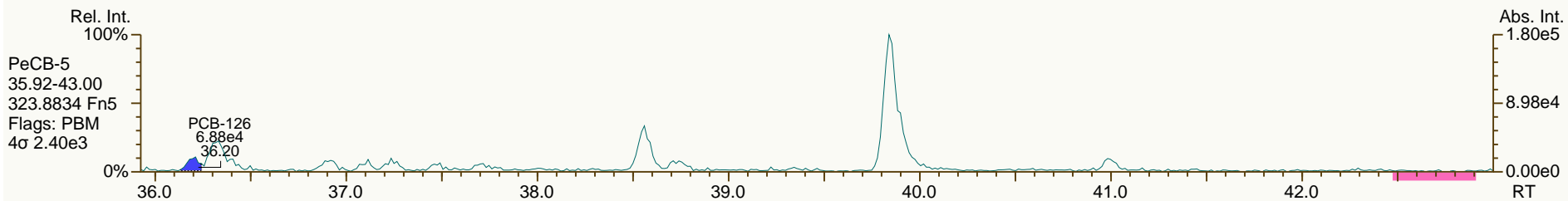
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

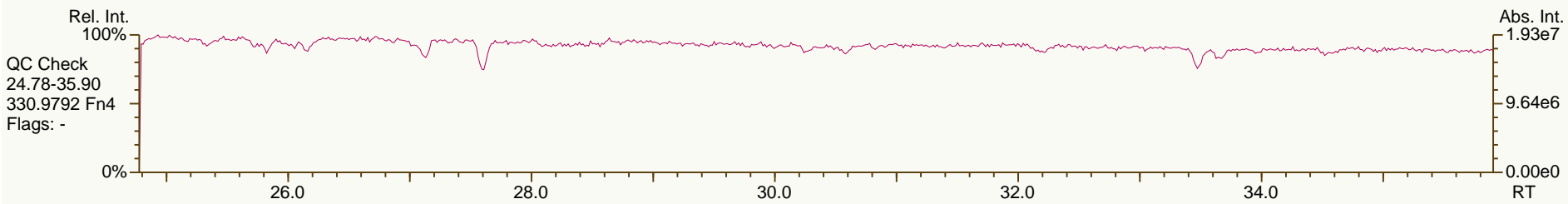
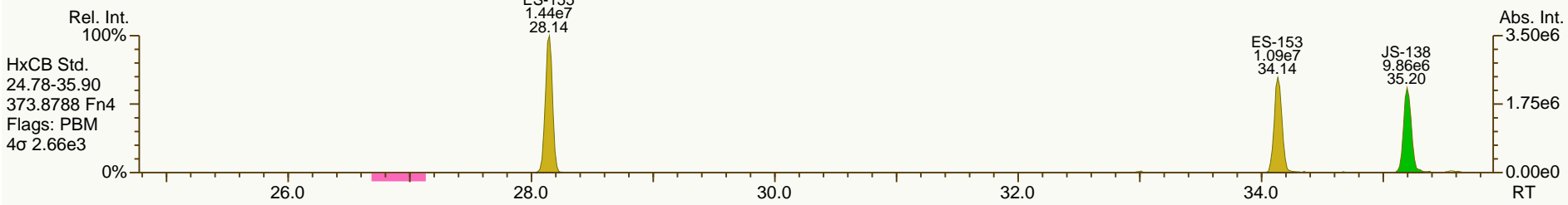
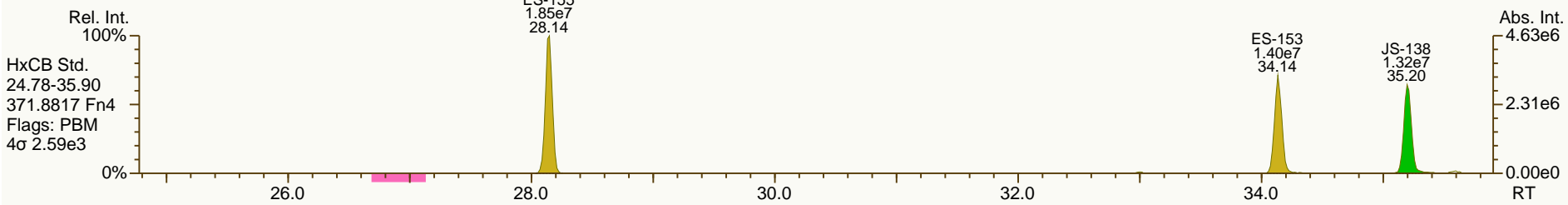
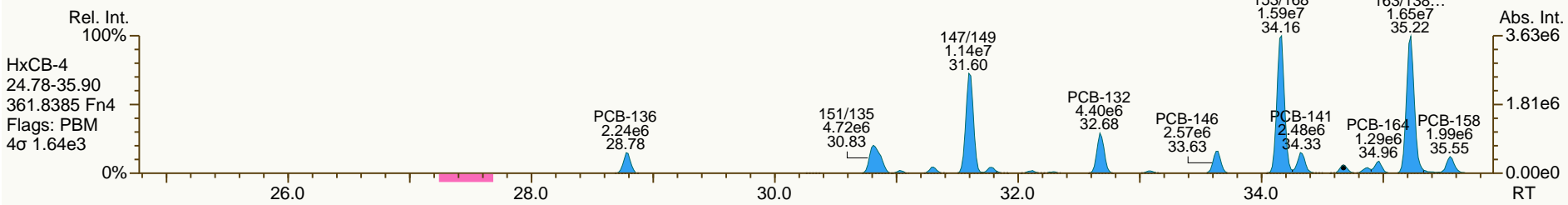
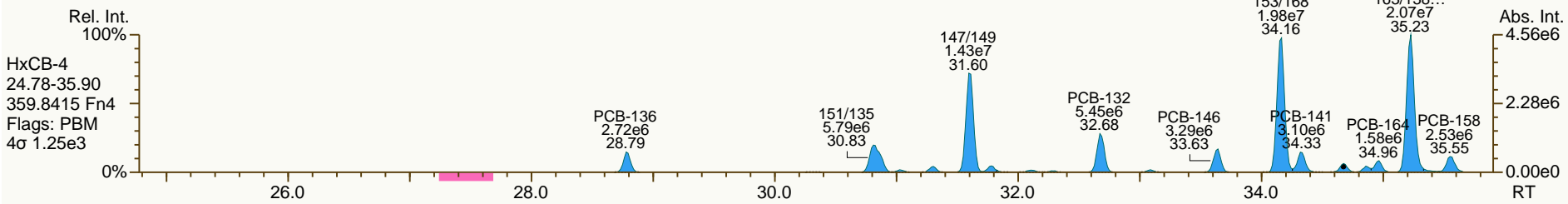
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

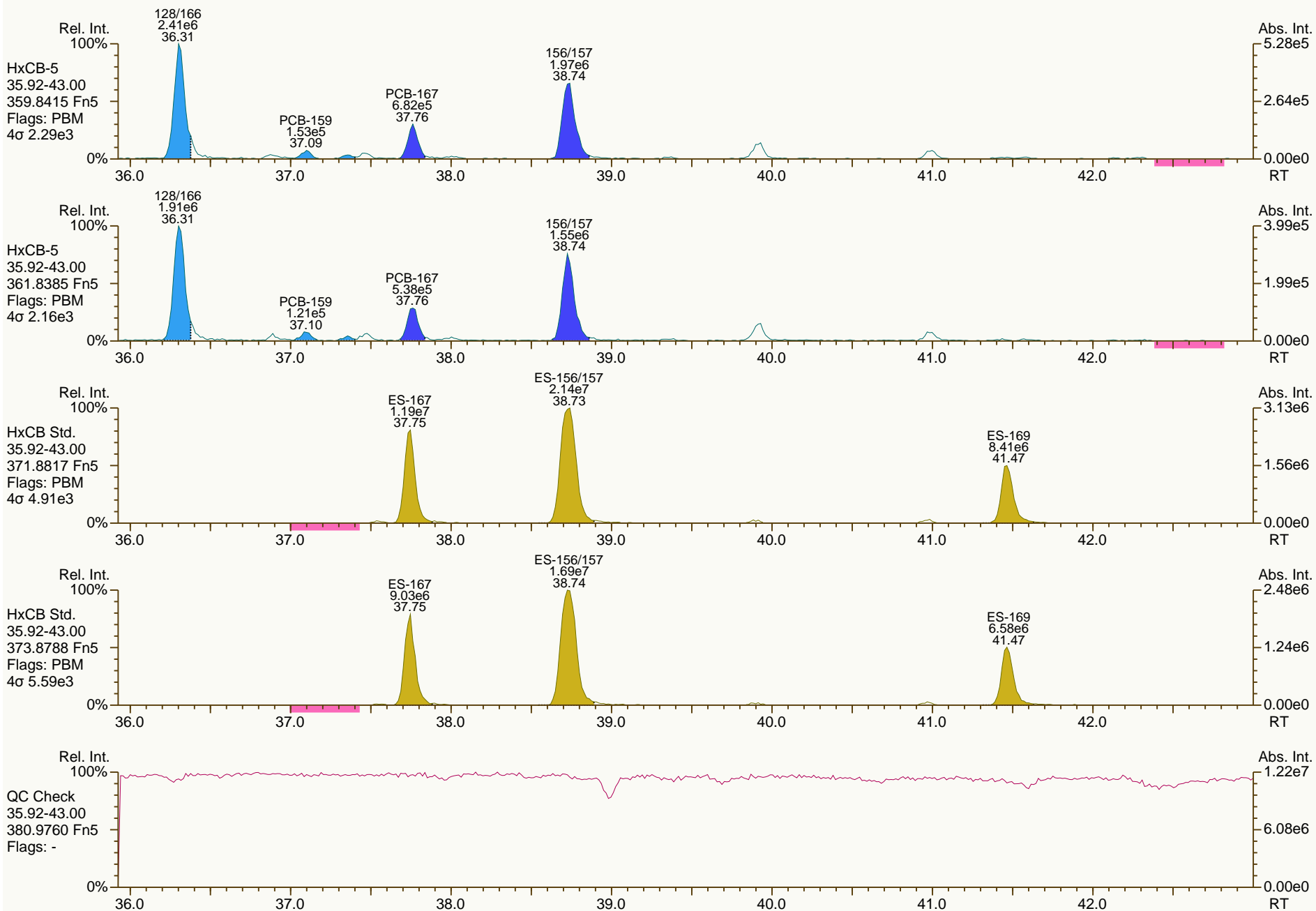
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

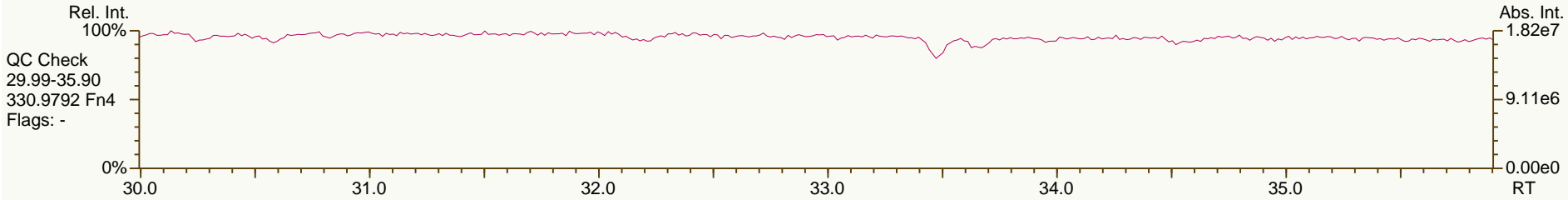
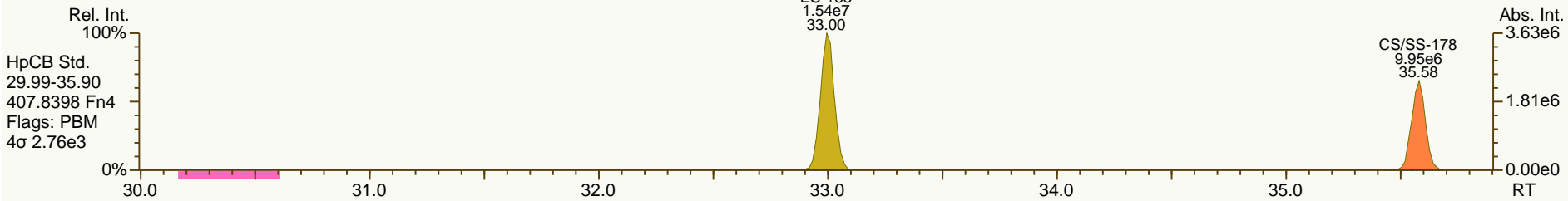
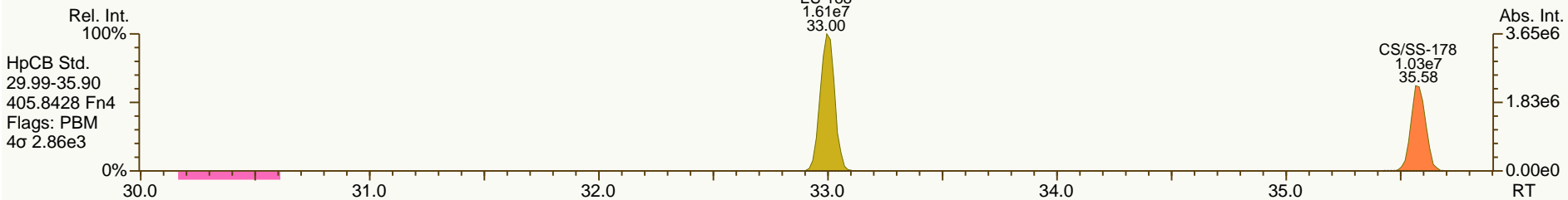
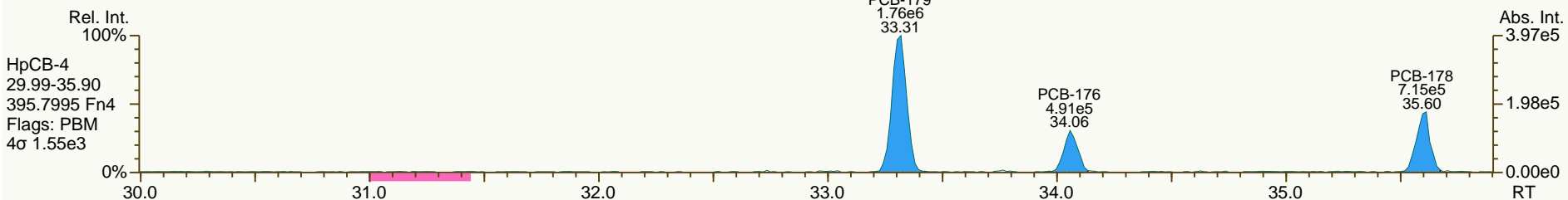
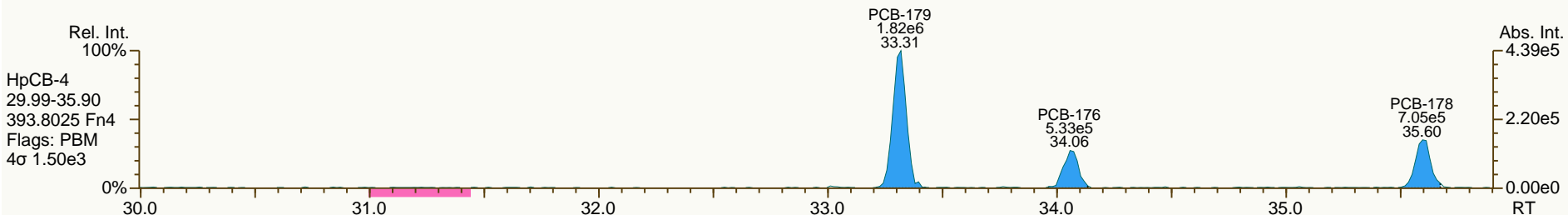
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

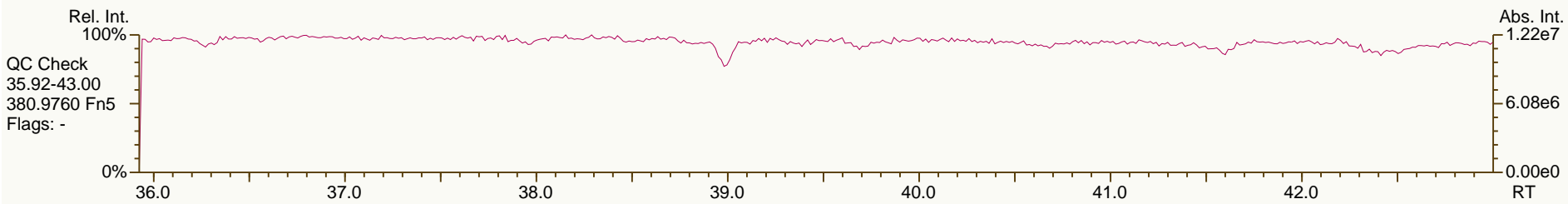
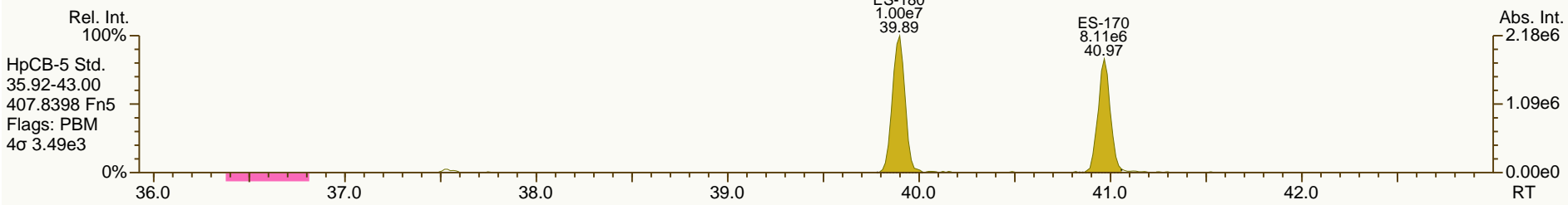
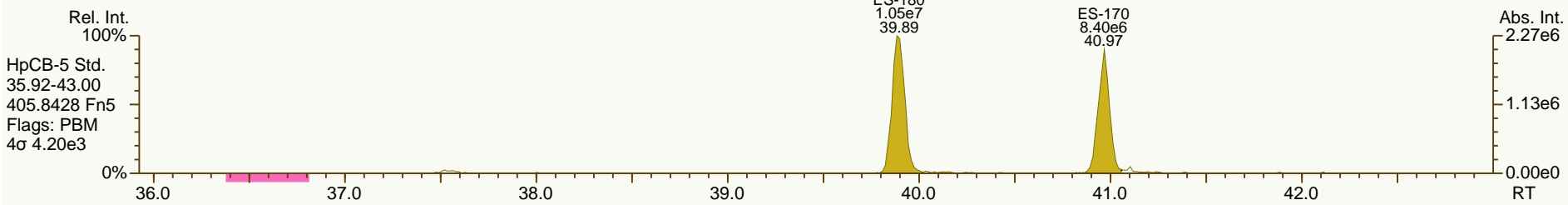
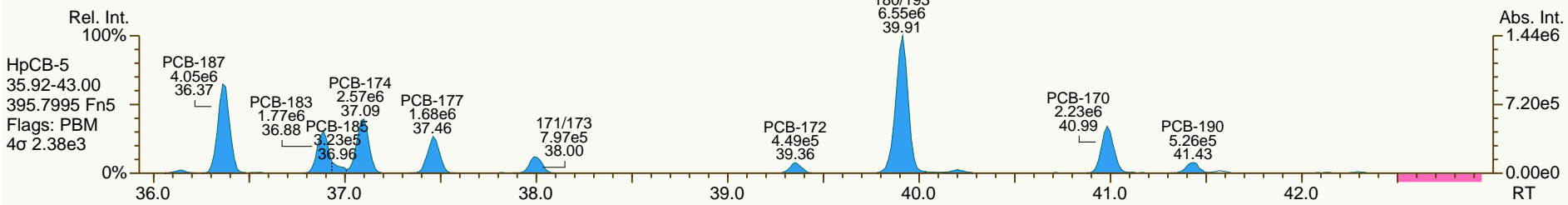
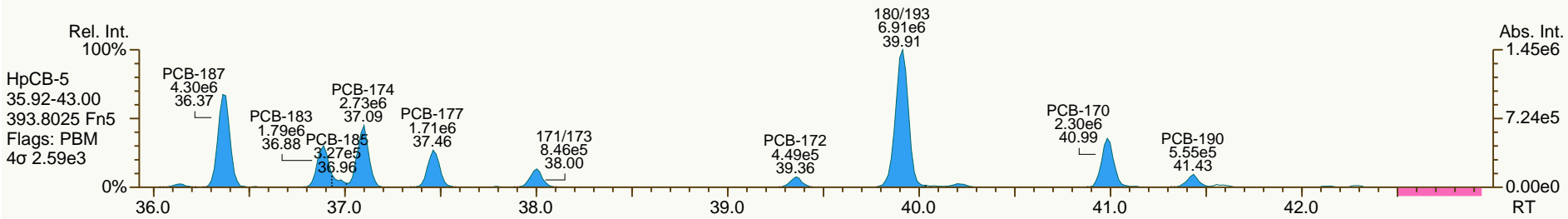
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

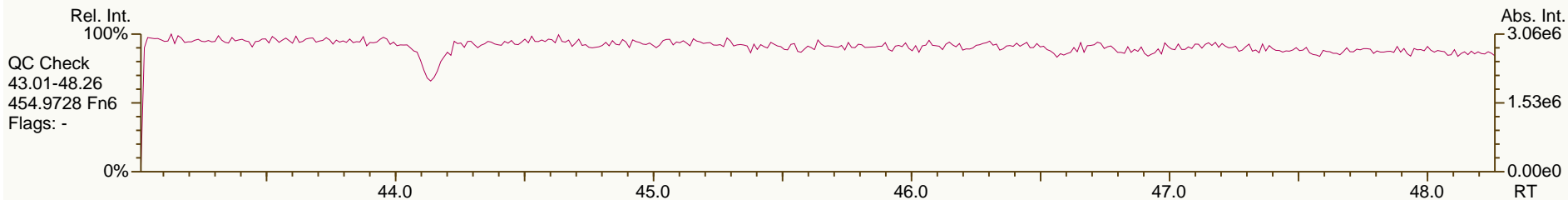
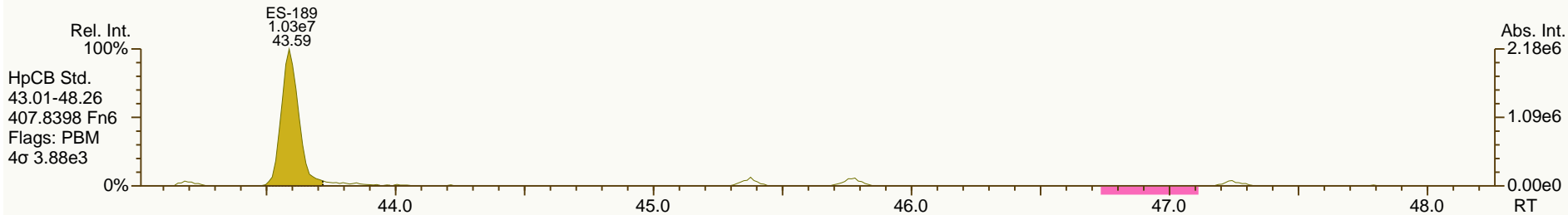
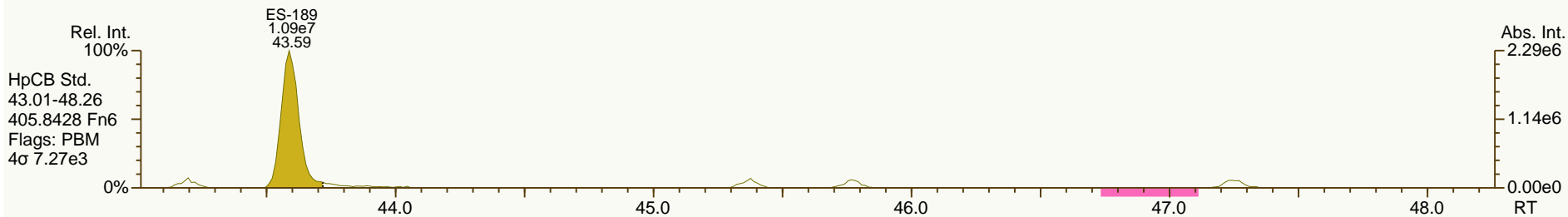
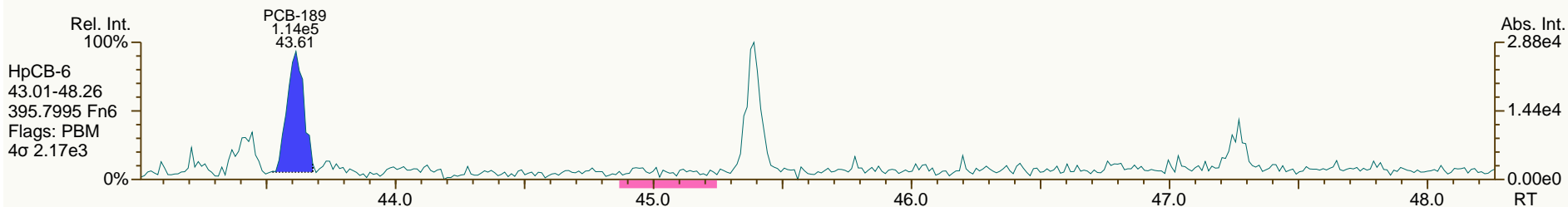
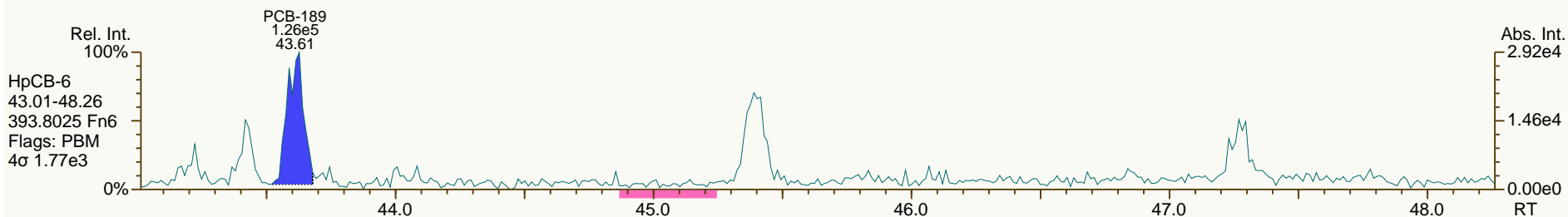
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

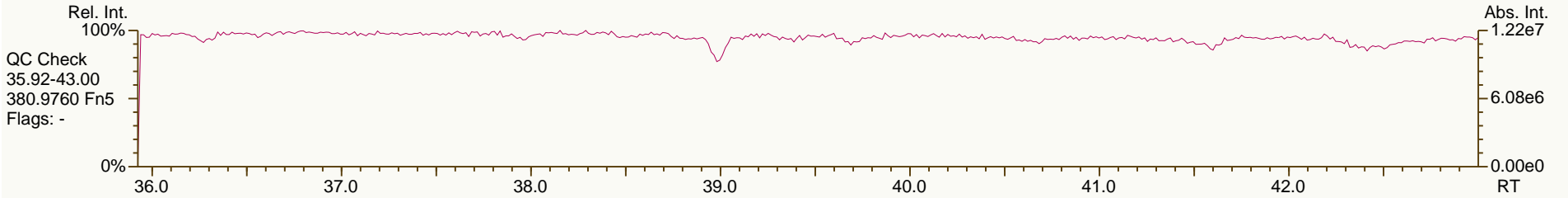
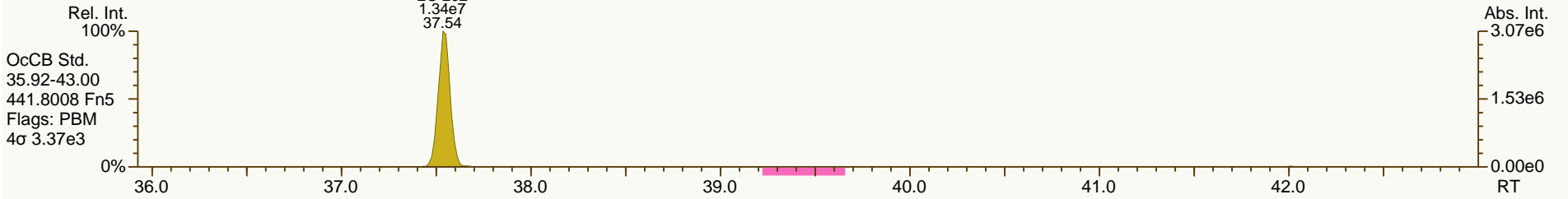
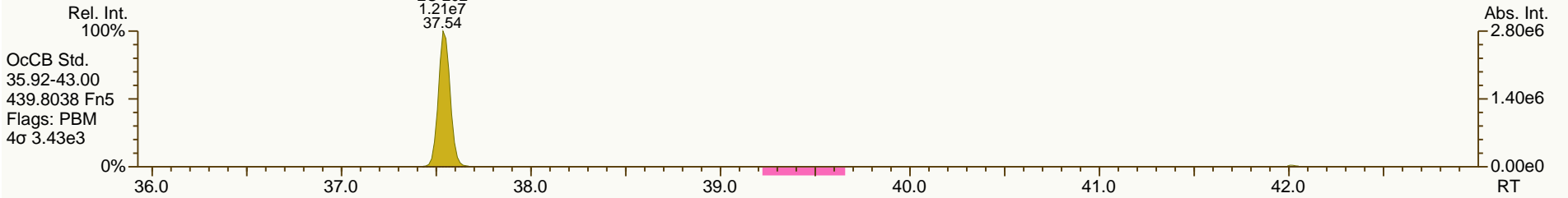
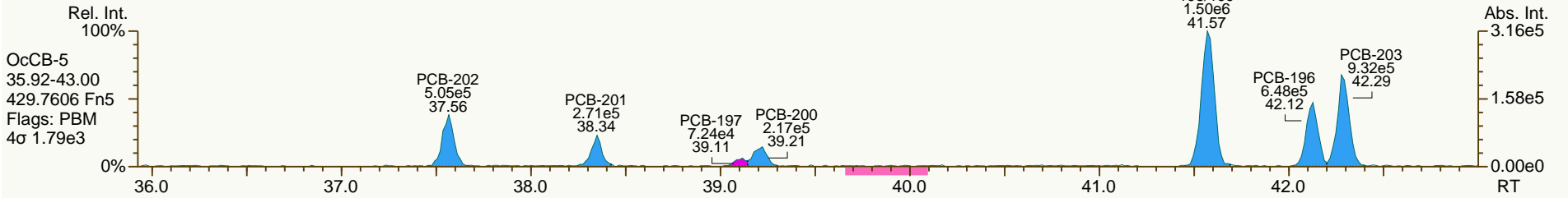
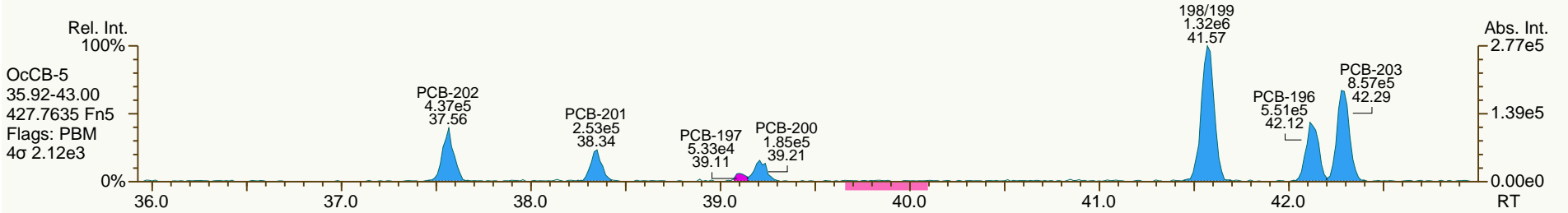
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SGS-AP ID: A5698_11123_PCB_007
Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

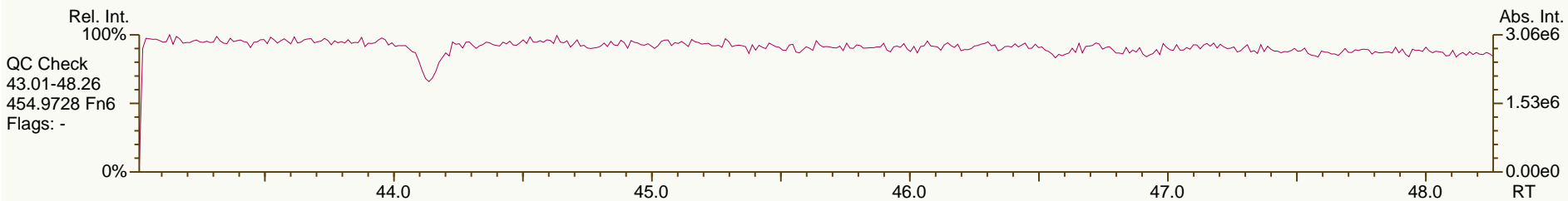
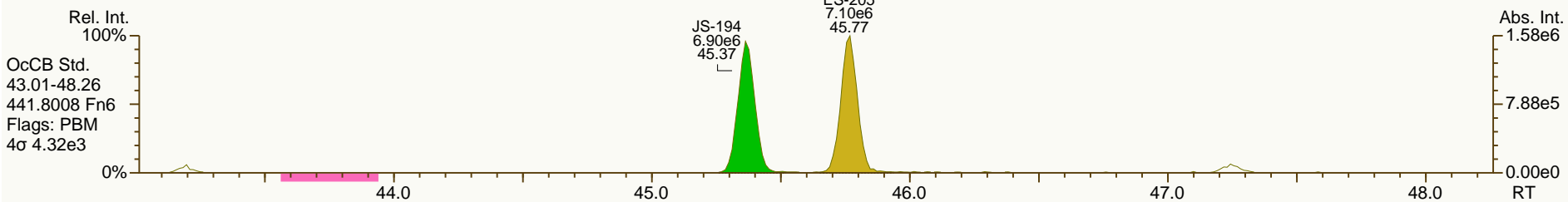
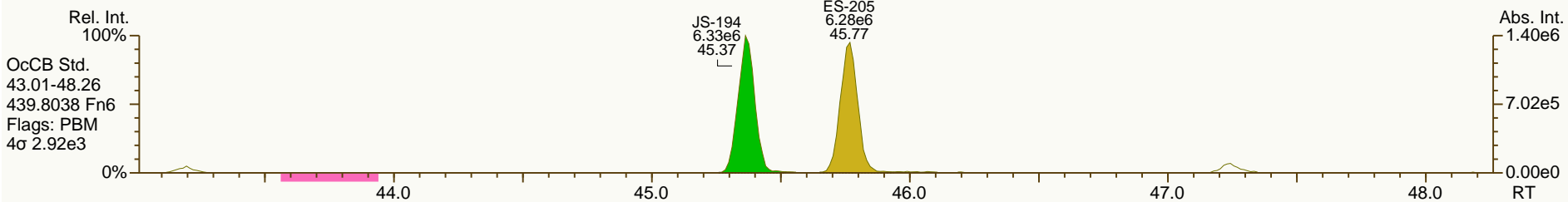
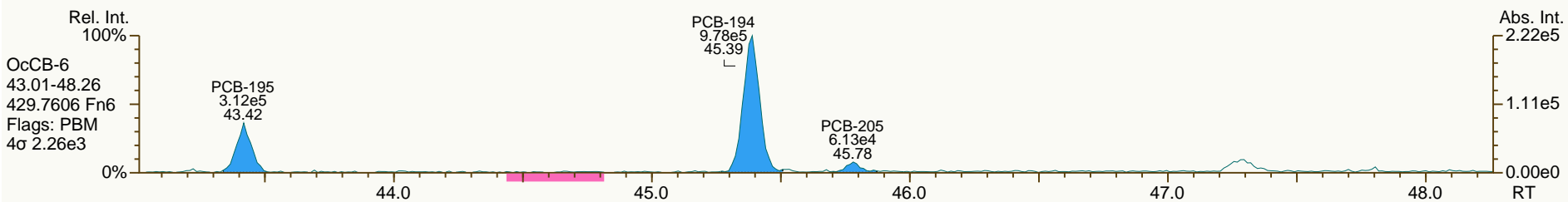
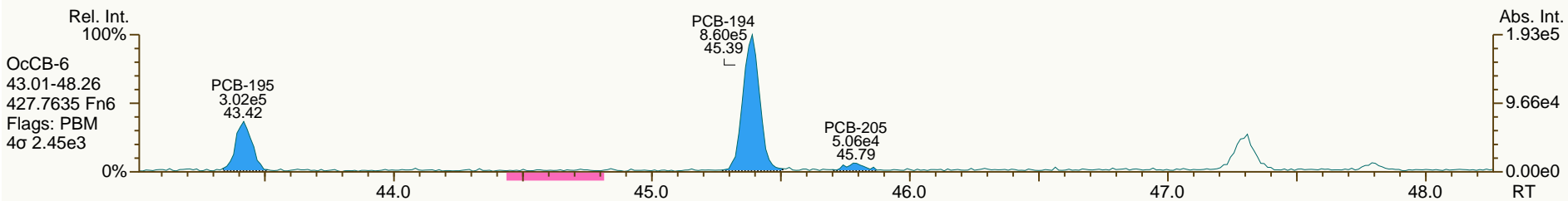
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

Acq: 19-Jul-2013 21:52:50
 User: JLJ Datafile: 130719V17



SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

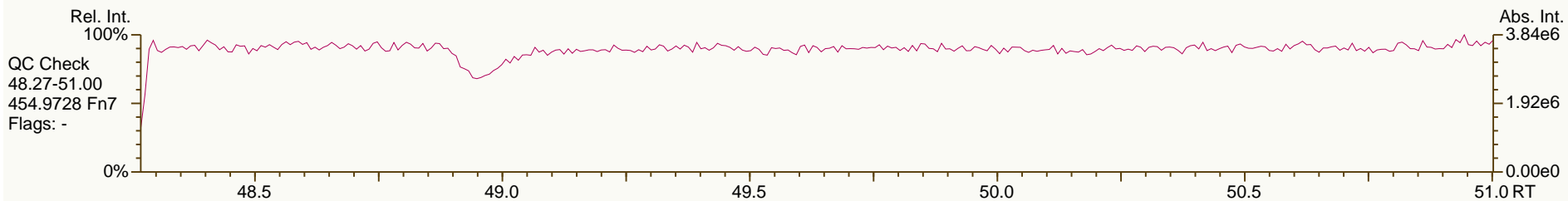
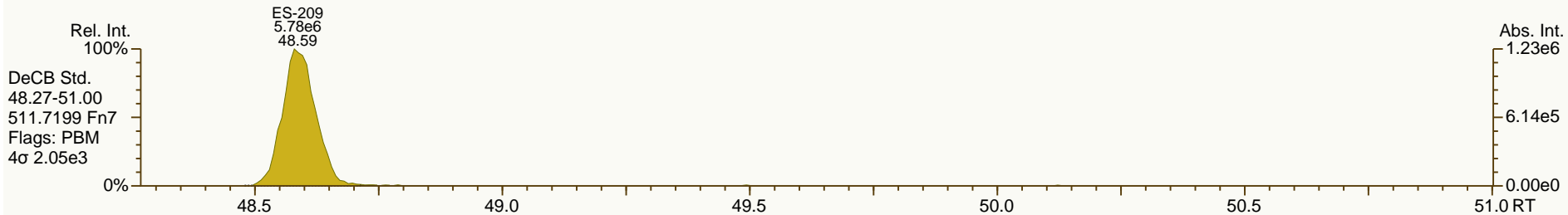
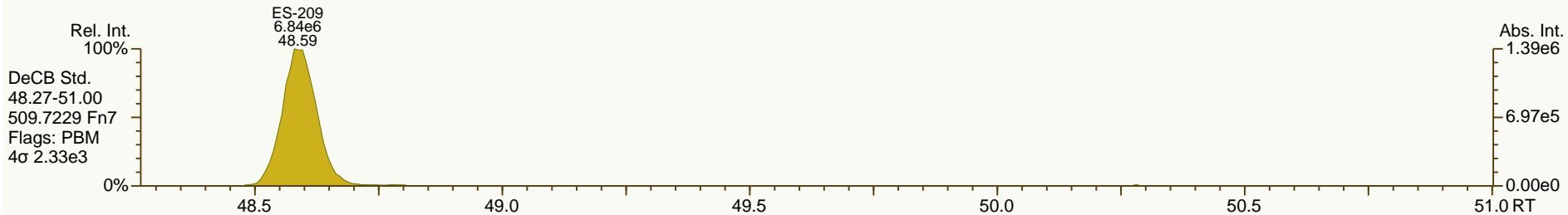
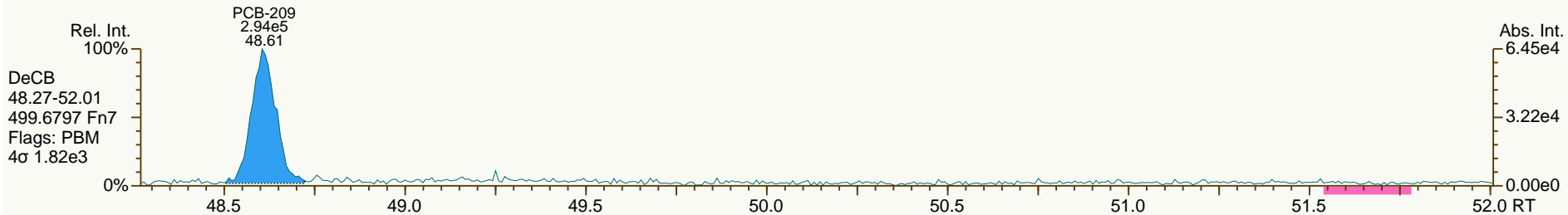
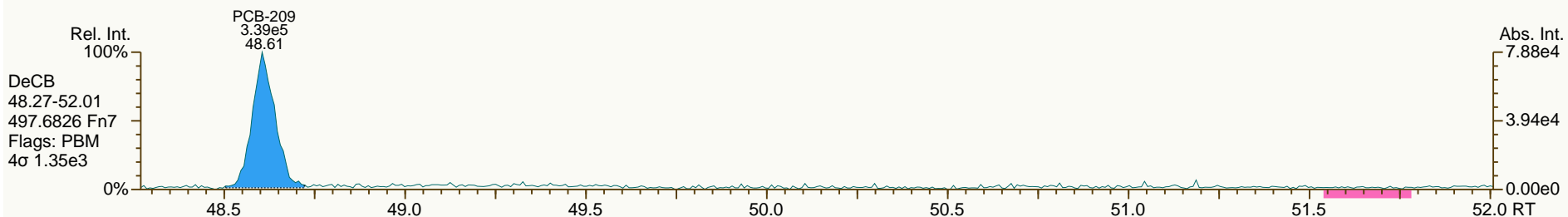
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SGS-AP ID: A5698_11123_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-SS-216-130429
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 20

Acq: 19-Jul-2013 21:52:50
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Lab ID: A5698_11123_PCB_015
 Client ID: JW-EA09-SC36-A-130426
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ACQ: 19-Jul-2013 22:47:06 JLJ
 UTP: 23-Jul-2013 16:12 LKB
 RPT: 23-Jul-2013 16:23 LB

Wt/Vol: 8.00 g
 J-level: 1.25 pg/g Split: 1
 Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB
 Checkcode: 344-876-HLN
 Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.64		1.0006	1.0006	0	1.04E+07	0.78	1.25	64.4	1.36E+04	0.957
PCB-81 344'5'-TeCB	30.17		1.0005	1.0008	+0.5	4.50E+05	0.87	1.26	2.71	1.36E+04	0.901
PCB-105 233'44'-PeCB	33.61		1.0006	1.0007	+0.2	4.33E+07	0.62	1.06	427	4.79E+03	0.552
PCB-114 2344'5'-PeCB	33.06		1.0007	1.0006	-0.2	2.27E+06	0.63	1.11	20.3	4.79E+03	0.498
PCB-118 23'44'5'-PeCB	32.61		1.0008	1.0007	-0.2	1.05E+08	0.62	1.08	962	4.79E+03	0.492
PCB-123 23'44'5'-PeCB	32.32		1.0006	1.0006	0	2.00E+06	0.64	1.12	18.1	4.79E+03	0.491
PCB-126 33'44'5'-PeCB	36.23		1.0007	1.0004	-0.7	4.59E+05	0.64	1.16	3.82	6.20E+03	0.624
PCB-156/157 ...-HxCB	38.77	C	1.0004	1.0001	-0.7	1.35E+07	1.27	1.14	148	7.36E+03	1.38
PCB-167 23'44'55'-HxCB	37.79		1.0005	1.0005	0	4.43E+06	1.25	1.18	44.2	7.36E+03	0.865
PCB-169 33'44'55'-HxCB	NotFnd		1.0004	-		0.00E+00		1.15	ND	7.36E+03	1.24
PCB-189 233'44'55'-HpCB	43.64		1.0005	1.0004	-0.3	9.10E+05	1.03	1.12	9.57	5.25E+03	0.677
PCB-209 DeCB	48.65		1.0004	1.0004	0	2.28E+06	1.20	1.11	44.4	2.97E+03	0.69
ES PCB-1	10.58		0.7199	0.7209	+0.6	3.04E+07	3.55	0.97	57.9 %	25%	150%
ES PCB-3	12.65		0.8600	0.8619	+1.4	3.71E+07	3.25	0.90	76.1 %	25%	150%
ES PCB-4	12.87		0.8759	0.8771	+0.9	3.01E+07	1.57	0.70	79.2 %	25%	150%
ES PCB-15	18.19		1.2401	1.2392	-1.0	5.02E+07	1.60	1.02	91.2 %	25%	150%
ES PCB-19	15.71		1.0705	1.0699	-0.6	2.45E+07	1.05	0.53	85.7 %	25%	150%
ES PCB-37	24.34		1.0840	1.0845	+0.7	3.27E+07	1.09	1.29	85.7 %	25%	150%
ES PCB-54	18.46		0.8227	0.8224	-0.3	3.00E+07	0.76	1.43	71.2 %	25%	150%
ES PCB-77	30.62		1.3634	1.3640	+1.1	3.22E+07	0.82	1.20	90.7 %	25%	150%
ES PCB-81	30.14		1.3420	1.3428	+1.4	3.30E+07	0.81	1.16	96.3 %	25%	150%
ES PCB-104	23.28		0.8213	0.8193	-2.8	2.74E+07	1.55	1.70	66.2 %	25%	150%
ES PCB-105	33.59		1.1849	1.1822	-5.4	2.40E+07	1.54	1.10	90 %	25%	150%
ES PCB-114	33.04		1.1652	1.1628	-4.8	2.51E+07	1.58	1.16	89.5 %	25%	150%
ES PCB-118	32.59		1.1492	1.1468	-4.7	2.53E+07	1.57	1.15	90.3 %	25%	150%
ES PCB-123	32.31		1.1394	1.1370	-4.7	2.47E+07	1.54	1.14	89.1 %	25%	150%
ES PCB-126	36.21		1.2772	1.2745	-5.9	2.60E+07	1.57	1.34	79.9 %	25%	150%
ES PCB-153	34.16		0.9698	0.9698	0	2.48E+07	1.30	1.14	90.3 %	25%	150%
ES PCB-155	28.24		0.7994	0.8016	+3.7	3.33E+07	1.26	1.61	88.3 %	25%	150%
ES PCB-156/157	38.77		1.1004	1.1005	+0.2	4.00E+07	1.26	0.98	87.5 %	25%	150%
ES PCB-167	37.78		1.0723	1.0724	+0.2	2.12E+07	1.23	1.01	89.8 %	25%	150%
ES PCB-169	41.51		1.1781	1.1783	+0.5	1.68E+07	1.30	0.90	80 %	25%	150%
ES PCB-170	40.99		0.9031	0.9029	-0.5	1.64E+07	1.07	1.28	101 %	25%	150%
ES PCB-180	39.92		0.8794	0.8793	-0.2	2.07E+07	1.02	1.54	108 %	25%	150%
ES PCB-188	33.02		0.7275	0.7273	-0.4	3.19E+07	1.04	1.63	83.9 %	25%	150%
ES PCB-189	43.63		0.9610	0.9609	-0.3	2.13E+07	1.06	1.97	85.5 %	25%	150%
ES PCB-202	37.57		0.8277	0.8275	-0.5	2.73E+07	0.88	1.26	92.4 %	25%	150%
ES PCB-205	45.80		1.0088	1.0088	0	1.30E+07	0.89	1.22	83.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.28		1.0412	1.0414	+0.6	1.26E+07	0.78	1.10	90.7 %	25%	150%
ES PCB-208	43.21		0.9520	0.9518	-0.5	1.77E+07	0.78	1.41	99.6 %	25%	150%
ES PCB-209	48.63		1.0711	1.0711	0	1.15E+07	1.18	1.24	73.3 %	25%	150%
SS PCB-28	20.85		0.9292	0.9290	-0.3	3.86E+07	1.08	1.18	100 %	30%	135%
SS PCB-111	30.64		1.0804	1.0782	-4.0	2.57E+07	1.55	1.01	103 %	30%	135%
SS PCB-178	35.60		1.0107	1.0106	-0.2	2.00E+07	1.03	0.60	104 %	30%	135%
CS PCB-28	20.85		0.9292	0.9290	-0.3	3.86E+07	1.08	1.52	85.9 %	30%	135%
CS PCB-111	30.64		1.0804	1.0782	-4.0	2.57E+07	1.55	1.15	92.1 %	30%	135%
CS PCB-178	35.60		1.0107	1.0106	-0.2	2.00E+07	1.03	0.98	87.4 %	30%	135%
JS PCB-9	14.68					5.42E+07	1.60				
JS PCB-52	22.45					2.95E+07	0.80				
JS PCB-101	28.41					2.43E+07	1.59				
JS PCB-138	35.23					2.34E+07	1.29				
JS PCB-194	45.40					1.26E+07	0.92				
Totals						NON-EMPC	EMPC	DL			
						Mono-CBs	67.2	67.2	0.374		
						Di-CBs	434	434	0.466		
						Tri-CBs	1,620	1,620	0.647		
						Tetra-CBs	3,940	3,940	0.591		
						Penta-CBs	6,710	6,710	0.481		
						Hexa-CBs	5,130	5,130	0.924		
						Hepta-CBs	2,050	2,050	0.692		
						Octa-CBs	519	523	0.631		
						Nona-CBs	101	101	0.816		
PCB-1 2-MoCB	10.59		1.0011	1.0011	0	2.86E+06	3.17	1.25	18.9	7.02E+03	0.512
PCB-2 3-MoCB	12.51		0.9877	0.9886	+0.7	3.97E+06	3.10	1.26	21.2	7.02E+03	0.237
PCB-3 4-MoCB	12.66		1.0010	1.0009	-0.1	5.10E+06	2.86	1.27	27.1	7.02E+03	0.236
PCB-4 22'-DiCB	12.89		1.0011	1.0011	0	2.45E+06	1.53	0.90	22.7	5.26E+03	0.321
PCB-10 26-DiCB	13.04		1.0136	1.0132	-0.3	2.37E+05	SI	1.40	1.41	5.26E+03	0.206
PCB-9 25-DiCB	14.69		1.0010	1.0008	-0.2	8.31E+05	1.45	1.00	4.13	1.52E+04	0.669
PCB-7 24-DiCB	14.84		1.0113	1.0110	-0.3	6.22E+05	1.53	1.12	2.75	1.52E+04	0.596
PCB-6 23'-DiCB	15.06		1.0261	1.0258	-0.3	2.95E+06	1.53	1.03	14.2	1.52E+04	0.65
PCB-5 23-DiCB	15.33		1.0452	1.0447	-0.5	3.82E+05	SI	1.05	1.82	1.52E+04	0.64
PCB-8 24'-DiCB	15.45		1.0529	1.0523	-0.6	1.57E+07	1.52	1.06	74.3	1.52E+04	0.635
PCB-14 35-DiCB	16.90		0.9293	0.9293	0	3.99E+05	SI	1.22	1.63	1.52E+04	0.55
PCB-11 33'-DiCB	17.65		0.9704	0.9704	0	4.19E+07	1.53	0.98	214	1.52E+04	0.687
PCB-13/12 34'/34-DiCB	17.92	C	0.9856	0.9853	-0.3	3.64E+06	1.57	0.98	18.5	1.52E+04	0.683
PCB-15 44'-DiCB	18.20		1.0008	1.0008	0	1.72E+07	1.53	1.10	78.3	1.52E+04	0.611

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.72		1.0011	1.0011	0	1.23E+06	1.09	0.95	13.3	6.59E+03	0.571
PCB-30/18 246/22'5-TrCB	17.39	C	1.1064	1.1072	+0.8	2.02E+07	1.03	1.22	168	6.59E+03	0.441
PCB-17 22'4-TrCB	17.76		1.1310	1.1307	-0.3	7.66E+06	1.02	1.05	74.3	6.59E+03	0.512
PCB-27 23'6-TrCB	17.95		1.1431	1.1428	-0.3	1.86E+06	1.04	1.39	13.7	6.59E+03	0.39
PCB-24 236-TrCB	18.06		1.1507	1.1502	-0.5	2.54E+05	0.94	1.36	1.9	6.59E+03	0.397
PCB-16 22'3-TrCB	18.17		1.1570	1.1568	-0.2	5.90E+06	1.03	0.82	73.5	6.59E+03	0.658
PCB-32 24'6-TrCB	18.62		1.1861	1.1859	-0.2	9.19E+06	1.05	1.47	63.7	6.59E+03	0.366
PCB-34 23'5'-TrCB	19.73		0.8111	0.8105	-0.7	4.35E+05	0.94	1.53	2.17	1.29E+04	0.656
PCB-23 235-TrCB	NotFnd		0.8167	-		0.00E+00		1.58	ND	1.29E+04	0.635
PCB-26/29 23'5/245-TrCB	20.13	C	0.8282	0.8269	-1.6	1.01E+07	1.03	1.56	49.6	1.29E+04	0.646
PCB-25 23'4-TrCB	20.34		0.8362	0.8356	-0.7	4.89E+06	1.02	1.59	23.5	1.29E+04	0.632
PCB-31 24'5-TrCB	20.61		0.8473	0.8468	-0.6	6.65E+07	1.01	1.62	313	1.29E+04	0.62
PCB-28/20 244'/233'-TrCB	20.87	C	0.8586	0.8575	-1.4	7.93E+07	1.03	1.51	400	1.29E+04	0.665
PCB-21/33 234/23'4'-TrCB	21.09	C	0.8656	0.8661	+0.6	3.02E+07	1.00	1.58	146	1.29E+04	0.637
PCB-22 234'-TrCB	21.43		0.8808	0.8803	-0.6	2.24E+07	1.05	1.45	118	1.29E+04	0.696
PCB-36 33'5-TrCB	22.78		0.9359	0.9359	0	6.08E+05	0.96	1.55	3	1.29E+04	0.649
PCB-39 34'5-TrCB	23.13		0.9491	0.9500	+1.2	5.86E+05	0.97	1.53	2.92	1.29E+04	0.655
PCB-38 345-TrCB	NotFnd		0.9700	-		0.00E+00		1.46	ND	1.29E+04	0.69
PCB-35 33'4-TrCB	24.01		0.9862	0.9861	-0.1	2.49E+06	1.04	1.31	14.5	1.29E+04	0.766
PCB-37 344'-TrCB	24.36		1.0008	1.0008	0	2.45E+07	1.03	1.39	135	1.29E+04	0.724
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.05	ND	4.32E+03	0.296
PCB-50/53 22'46/22'56'-TeCB	20.37	C	0.9086	0.9076	-1.2	4.77E+06	0.78	0.90	40.2	4.19E+03	0.389
PCB-45 22'36-TeCB	20.96		0.9340	0.9337	-0.4	3.88E+06	0.76	0.84	35.1	4.19E+03	0.417
PCB-51 22'46'-TeCB	21.03		0.9371	0.9367	-0.5	1.39E+06	0.76	0.86	12.3	4.19E+03	0.408
PCB-46 22'36'-TeCB	21.24		0.9464	0.9461	-0.4	1.55E+06	0.77	0.73	16	4.19E+03	0.477
PCB-52 22'55'-TeCB	22.47		1.0010	1.0010	0	7.56E+07	0.77	0.85	672	4.19E+03	0.411
PCB-73 23'5'6-TeCB	22.58		1.0064	1.0058	-0.8	3.14E+05	0.82	1.15	2.07	4.19E+03	0.304
PCB-43 22'35-TeCB	22.68		1.0103	1.0101	-0.3	1.36E+06	0.75	0.74	14	4.19E+03	0.473
PCB-69/49 23'46/22'45'-TeCB	22.90	C	1.0188	1.0200	+1.6	3.57E+07	0.77	1.03	261	4.19E+03	0.338
PCB-48 22'45-TeCB	23.15		1.0310	1.0310	0	7.10E+06	0.78	0.85	62.9	4.19E+03	0.409
PCB-44/47/65 ...-TeCB	23.34	C	1.0404	1.0398	-0.8	5.12E+07	0.77	0.91	428	4.19E+03	0.385
PCB-59/62/75 ...-TeCB	23.63	C	1.0523	1.0525	+0.3	4.35E+06	0.78	1.15	28.6	4.19E+03	0.304
PCB-42 22'34'-TeCB	23.80		1.0599	1.0601	+0.3	1.06E+07	0.78	0.82	97.9	4.19E+03	0.428
PCB-41 22'34-TeCB	24.12		1.0743	1.0745	+0.3	2.57E+06	0.79	0.70	27.7	4.19E+03	0.497
PCB-71/40 23'4'6/22'33'-TeCB	24.23	C	1.0788	1.0791	+0.4	2.15E+07	0.77	0.88	186	4.19E+03	0.398
PCB-64 234'6-TeCB	24.42		1.0874	1.0877	+0.4	2.52E+07	0.77	1.24	154	4.19E+03	0.281
PCB-72 23'55'-TeCB	25.14		0.8338	0.8340	+0.3	1.54E+06	0.75	1.37	8.49	1.36E+04	0.825
PCB-68 23'45'-TeCB	25.39		0.8421	0.8423	+0.3	8.62E+05	0.84	1.44	4.54	1.36E+04	0.788
PCB-57 233'5-TeCB	25.76	EMPC	0.8542	0.8545	+0.5	2.82E+05	0.90	1.30	1.65	1.36E+04	0.874
PCB-58 233'5'-TeCB	25.97		0.8609	0.8617	+1.2	3.85E+05	0.80	1.29	2.26	1.36E+04	0.878
PCB-67 23'45-TeCB	26.11		0.8659	0.8663	+0.6	2.33E+06	0.80	1.38	12.7	1.36E+04	0.82
PCB-63 234'5-TeCB	26.34		0.8733	0.8739	+0.9	3.40E+06	0.78	1.43	18.1	1.36E+04	0.795
PCB-61/70/74/76 ...-TeCB	26.65	C	0.8835	0.8840	+0.8	1.59E+08	0.78	1.34	900	1.36E+04	0.848
PCB-66 23'44'-TeCB	26.92		0.8921	0.8930	+1.5	8.54E+07	0.78	1.22	529	1.36E+04	0.928
PCB-55 233'4-TeCB	27.07		0.8970	0.8979	+1.5	1.36E+06	0.80	1.27	8.07	1.36E+04	0.891

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.52		0.9116	0.9130	+2.3	3.72E+07	0.78	1.23	230	1.36E+04	0.923
PCB-60 2344'-TeCB	27.71		0.9176	0.9194	+3.0	1.90E+07	0.78	1.24	115	1.36E+04	0.911
PCB-80 33'55'-TeCB	NotFnd		0.9284	-		0.00E+00		1.47	ND	1.36E+04	0.769
PCB-79 33'45'-TeCB	29.31		0.9723	0.9725	+0.4	1.86E+06	0.75	1.37	10.3	1.36E+04	0.829
PCB-78 33'45'-TeCB	NotFnd		0.9881	-		0.00E+00		1.14	ND	1.36E+04	0.99
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.90E+03	0.231
PCB-96 22'366'-PeCB	23.63		1.0149	1.0149	0	5.34E+05	0.62	1.00	4.89	2.90E+03	0.259
PCB-103 22'45'6'-PeCB	25.30		0.8920	0.8903	-2.6	5.13E+05	0.58	0.92	5.66	4.79E+03	0.601
PCB-94 22'356'-PeCB	25.49		0.8988	0.8971	-2.6	2.69E+05	0.54	0.80	3.4	4.79E+03	0.688
PCB-95 22'35'6'-PeCB	25.88		0.9122	0.9107	-2.3	5.24E+07	0.62	0.85	625	4.79E+03	0.648
PCB-100/93 22'44'6'/22'356'-PeCB	26.06	C	0.9190	0.9172	-2.8	5.03E+05	0.59	0.87	5.81	4.79E+03	0.63
PCB-102 22'456'-PeCB	26.19		0.9234	0.9218	-2.5	2.13E+06	0.62	0.86	24.9	4.79E+03	0.637
PCB-98 22'34'6'-PeCB	NotFnd		0.9256	-		0.00E+00		0.87	ND	4.79E+03	0.63
PCB-88 22'346'-PeCB	26.63		0.9356	0.9371	+2.4	9.24E+06	0.62	0.73	128	4.79E+03	0.753
PCB-91 22'34'6'-PeCB	NotFnd		0.9382	-		0.00E+00		1.01	ND	4.79E+03	0.546
PCB-84 22'33'6'-PeCB	26.82		0.9453	0.9441	-1.9	1.60E+07	0.63	0.74	218	4.79E+03	0.742
PCB-89 22'346'-PeCB	27.24		0.9597	0.9589	-1.3	9.07E+05	0.65	0.78	11.7	4.79E+03	0.703
PCB-121 23'45'6'-PeCB	NotFnd		0.9716	-		0.00E+00		1.16	ND	4.79E+03	0.473
PCB-92 22'355'-PeCB	27.95		0.9830	0.9837	+1.2	1.59E+07	0.63	0.83	195	4.79E+03	0.667
PCB-113/90/101 ...-PeCB	28.43	C	0.9999	1.0007	+1.4	9.59E+07	0.63	0.96	1,010	4.79E+03	0.574
PCB-83 22'33'5'-PeCB	28.80		1.0151	1.0136	-2.6	3.61E+06	0.62	0.69	52.7	4.79E+03	0.794
PCB-99 22'44'5'-PeCB	28.89		1.0182	1.0168	-2.4	4.57E+07	0.63	0.87	532	4.79E+03	0.634
PCB-112 233'56'-PeCB	NotFnd		1.0218	-		0.00E+00		1.12	ND	4.79E+03	0.492
PCB-108/119/86/97/125...-PeCB	29.36	C	1.0331	1.0334	+0.5	6.50E+07	0.63	0.95	692	4.79E+03	0.58
PCB-117 234'56'-PeCB	29.84		1.0524	1.0504	-3.6	2.51E+06	0.61	0.98	25.9	4.79E+03	0.563
PCB-116/85 23456/22'344'-PeCB	29.93	C	1.0553	1.0533	-3.6	1.56E+07	0.62	0.98	160	4.79E+03	0.559
PCB-110 233'4'6'-PeCB	30.07		1.0600	1.0582	-3.2	1.23E+08	0.63	0.95	1,310	4.79E+03	0.577
PCB-115 2344'6'-PeCB	30.18		1.0628	1.0620	-1.4	2.81E+06	0.61	1.24	23	4.79E+03	0.445
PCB-82 22'33'4'-PeCB	30.34		1.0701	1.0679	-4.0	8.83E+06	0.63	0.72	124	4.79E+03	0.763
PCB-111 233'55'-PeCB	NotFnd		1.0811	-		0.00E+00		1.16	ND	4.79E+03	0.476
PCB-120 23'455'-PeCB	NotFnd		1.0950	-		0.00E+00		1.13	ND	4.79E+03	0.485
PCB-107/124 ...-PeCB	32.02	C	0.9910	0.9912	+0.4	3.81E+06	0.63	1.01	38	4.79E+03	0.543
PCB-109 233'46'-PeCB	32.23		0.9972	0.9975	+0.6	8.02E+06	0.61	1.09	74.4	4.79E+03	0.505
PCB-106 233'45'-PeCB	NotFnd		1.0039	-		0.00E+00		1.00	ND	4.79E+03	0.55
PCB-122 233'4'5'-PeCB	32.90		1.0098	1.0096	-0.4	1.29E+06	0.63	0.94	13.8	4.79E+03	0.593
PCB-127 33'455'-PeCB	NotFnd		1.0372	-		0.00E+00		1.03	ND	4.79E+03	0.569
PCB-155 22'44'66'-HxCB	NotFnd		1.0008	-		0.00E+00		1.09	ND	3.16E+03	0.212
PCB-152 22'3566'-HxCB	28.43	J	1.0070	1.0067	-0.5	9.54E+04	1.40	1.00	0.714	3.16E+03	0.231
PCB-150 22'34'66'-HxCB	28.54	J	1.0119	1.0108	-1.9	1.19E+05	1.43	1.02	0.881	3.16E+03	0.228
PCB-136 22'33'66'-HxCB	28.83		1.0230	1.0211	-3.3	1.48E+07	1.26	0.91	122	3.16E+03	0.253
PCB-145 22'3466'-HxCB	NotFnd		1.0321	-		0.00E+00		0.94	ND	3.16E+03	0.247
PCB-148 22'34'56'-HxCB	30.33	J EMPC	1.0772	1.0743	-5.3	6.22E+04	1.04	1.01	0.617	3.16E+03	0.338
PCB-151/135 ...-HxCB	30.86	C	1.0959	1.0927	-5.9	3.11E+07	1.24	0.97	322	3.16E+03	0.353
PCB-154 22'44'56'-HxCB	31.05		1.1028	1.0998	-5.6	1.07E+06	1.30	1.10	9.82	3.16E+03	0.312
PCB-144 22'345'6'-HxCB	31.32		1.1124	1.1094	-5.6	4.62E+06	1.28	1.00	46.4	3.16E+03	0.342

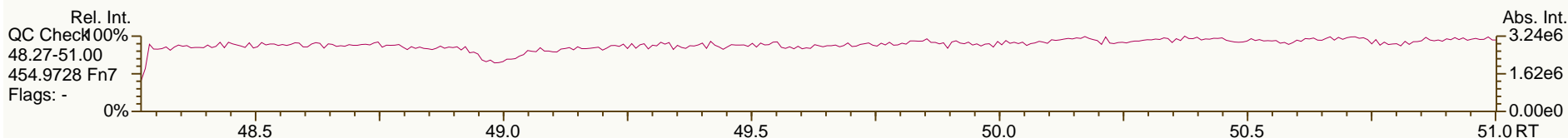
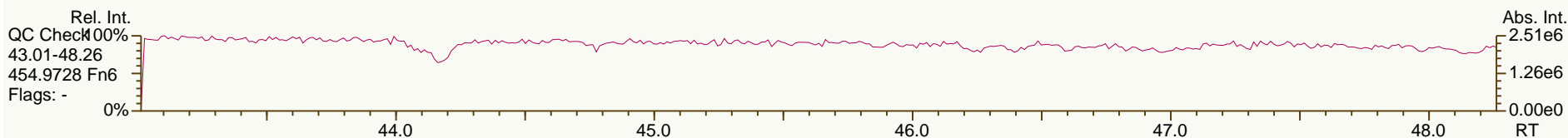
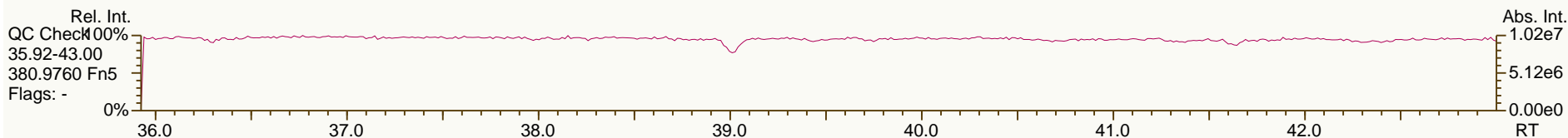
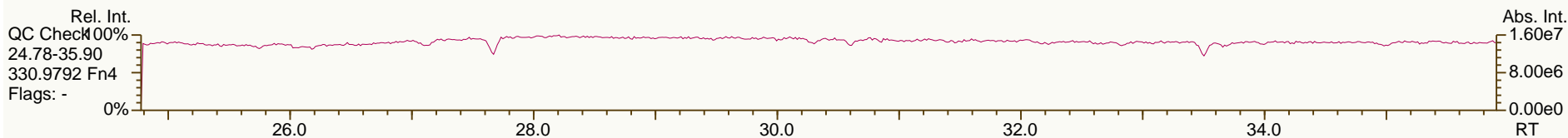
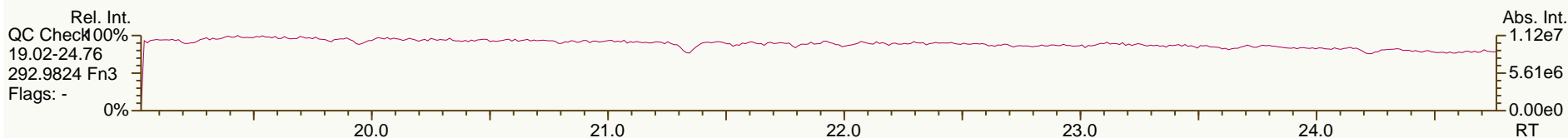
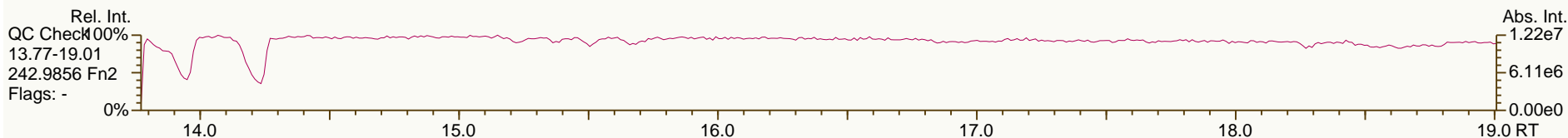
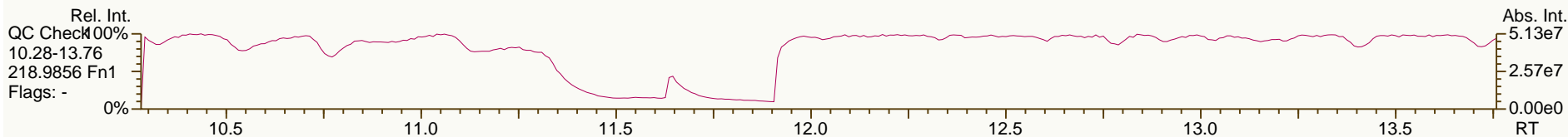
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.63	C	1.1231	1.1201	-5.7	7.94E+07	1.25	0.99	806	3.16E+03	0.346
PCB-134 22'33'56"-HxCB	31.80		1.1293	1.1263	-5.7	5.16E+06	1.23	0.82	63.7	3.16E+03	0.42
PCB-143 22'34'56"-HxCB	31.89		1.1322	1.1295	-5.2	3.39E+05	1.29	0.97	3.52	3.16E+03	0.353
PCB-139/140 ...-HxCB	32.13	C	1.1412	1.1379	-6.4	2.01E+06	1.27	1.01	20	3.16E+03	0.34
PCB-131 22'33'46"-HxCB	32.31		1.1475	1.1443	-6.2	1.24E+06	1.33	0.88	14.1	3.16E+03	0.389
PCB-142 22'34'56"-HxCB	NotFnd		1.1522	-		0.00E+00		0.90	ND	3.16E+03	0.382
PCB-132 22'33'46"-HxCB	32.70		1.1613	1.1581	-6.3	3.18E+07	1.24	0.91	352	3.16E+03	0.378
PCB-133 22'33'55"-HxCB	33.11		1.1757	1.1726	-6.2	1.52E+06	1.27	0.93	16.5	3.16E+03	0.371
PCB-165 233'55'6"-HxCB	NotFnd		0.9494	-		0.00E+00		1.11	ND	3.16E+03	0.31
PCB-146 22'34'55"-HxCB	33.66		0.9555	0.9556	+0.2	1.61E+07	1.24	0.96	170	3.16E+03	0.359
PCB-161 233'45'6"-HxCB	33.79	J EMPC	0.9588	0.9591	+0.6	5.09E+04	1.90	1.27	0.403	3.16E+03	0.27
PCB-153/168 ...-HxCB	34.18	C	0.9709	0.9704	-1.0	1.10E+08	1.23	1.24	896	3.16E+03	0.278
PCB-141 22'34'55"-HxCB	34.35		0.9751	0.9752	+0.2	1.97E+07	1.24	0.95	208	3.16E+03	0.36
PCB-130 22'33'45"-HxCB	34.70		0.9850	0.9851	+0.2	6.83E+06	1.25	0.83	83.4	3.16E+03	0.416
PCB-137 22'34'4'5"-HxCB	34.89		0.9904	0.9904	0	5.66E+06	1.18	1.02	55.9	3.16E+03	0.336
PCB-164 233'4'5'6"-HxCB	34.99		0.9931	0.9932	+0.2	9.15E+06	1.25	1.18	78.2	3.16E+03	0.291
PCB-163/138/129 ...-HxCB	35.25	C	1.0011	1.0007	-0.8	1.25E+08	1.23	0.96	1,310	3.16E+03	0.358
PCB-160 233'456"-HxCB	35.39		1.0045	1.0047	+0.4	2.39E+06	1.29	1.24	19.4	3.16E+03	0.276
PCB-158 233'44'6"-HxCB	35.58		1.0101	1.0101	0	1.67E+07	1.23	1.29	130	3.16E+03	0.266
PCB-128/166 ...-HxCB	36.34	C	0.9615	0.9619	+0.9	1.62E+07	1.25	0.97	197	7.36E+03	1.05
PCB-159 233'455"-HxCB	37.12		0.9832	0.9826	-1.3	1.02E+06	1.18	1.11	10.8	7.36E+03	0.921
PCB-162 233'4'55"-HxCB	37.38		0.9896	0.9896	0	3.33E+05	1.36	1.08	3.61	7.36E+03	0.94
PCB-188 22'34'566"-HpCB	NotFnd		1.0007	-		0.00E+00		0.98	ND	3.17E+03	0.282
PCB-179 22'33'566"-HpCB	33.33		1.0095	1.0095	0	1.18E+07	1.03	0.92	101	3.17E+03	0.301
PCB-184 22'34'4'66"-HpCB	NotFnd		1.0229	-		0.00E+00		0.92	ND	3.17E+03	0.303
PCB-176 22'33'466"-HpCB	34.08		1.0322	1.0322	0	3.78E+06	1.02	1.01	29.1	3.17E+03	0.273
PCB-186 22'34'566"-HpCB	NotFnd		1.0441	-		0.00E+00		0.97	ND	3.17E+03	0.287
PCB-178 22'33'55'6"-HpCB	35.62		1.0787	1.0788	+0.2	4.33E+06	1.06	0.72	47.4	3.17E+03	0.387
PCB-175 22'33'45'6"-HpCB	36.16		1.0951	1.0952	+0.2	9.37E+05	1.04	1.01	11.2	6.36E+03	0.846
PCB-187 22'34'55'6"-HpCB	36.39		1.1020	1.1021	+0.2	2.53E+07	1.04	1.09	281	6.36E+03	0.787
PCB-182 22'34'4'56"-HpCB	36.57		1.1073	1.1074	+0.2	1.65E+05	1.10	1.11	1.79	6.36E+03	0.772
PCB-183 22'34'4'5'6"-HpCB	36.91		1.1177	1.1178	+0.2	1.35E+07	1.06	1.05	155	6.36E+03	0.813
PCB-185 22'34'55'6"-HpCB	37.01		1.1202	1.1209	+1.6	1.95E+06	1.04	1.05	22.5	6.36E+03	0.817
PCB-174 22'33'456"-HpCB	37.12		1.1240	1.1241	+0.2	1.93E+07	1.05	0.93	250	6.36E+03	0.917
PCB-177 22'33'45'6"-HpCB	37.49		1.1354	1.1353	-0.2	1.14E+07	1.03	0.92	149	6.36E+03	0.931
PCB-181 22'34'4'56"-HpCB	37.82	EMPC	1.1454	1.1453	-0.2	2.18E+05	1.24	1.03	2.56	6.36E+03	0.834
PCB-171/173 ...-HpCB	38.02	C	1.1512	1.1515	+0.7	6.05E+06	1.05	0.91	80.3	6.36E+03	0.941
PCB-172 22'33'455"-HpCB	39.38		0.9027	0.9027	0	3.27E+06	1.04	0.89	44.5	6.36E+03	0.964
PCB-192 233'455'6"-HpCB	NotFnd		0.9082	-		0.00E+00		1.13	ND	6.36E+03	0.759
PCB-180/193 ...-HpCB	39.94	C	0.9147	0.9154	+1.7	4.80E+07	1.04	1.07	543	6.36E+03	0.801
PCB-191 233'44'5'6"-HpCB	40.23		0.9222	0.9222	0	1.37E+06	1.07	1.16	14.2	6.36E+03	0.738
PCB-170 22'33'44'5"-HpCB	41.01		0.9401	0.9401	0	1.71E+07	1.03	0.99	262	6.36E+03	1.11
PCB-190 233'44'56"-HpCB	41.46		0.9503	0.9503	0	4.16E+06	1.02	1.27	49.9	6.36E+03	0.87
PCB-202 22'33'55'66"-OoCB	37.59		1.0006	1.0006	0	2.85E+06	0.84	0.86	30.2	3.70E+03	0.427
PCB-201 22'33'45'66"-OoCB	38.37		1.0214	1.0213	-0.2	1.72E+06	0.86	0.95	16.6	3.70E+03	0.389

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	NotFnd		1.0365	-		0.00E+00		0.89	ND	3.70E+03	0.413
PCB-197 22'33'44'66'-OcCB	39.13	EMPC	1.0417	1.0417	0	4.46E+05	1.07	0.93	4.4	3.70E+03	0.398
PCB-200 22'33'4566'-OcCB	39.24		1.0444	1.0444	0	1.45E+06	0.86	0.92	14.4	3.70E+03	0.402
PCB-198/199 ...-OcCB	41.60	C	1.1066	1.1073	+1.7	9.32E+06	0.90	0.64	133	3.70E+03	0.576
PCB-196 22'33'44'56'-OcCB	42.15		1.1220	1.1220	0	4.39E+06	0.91	0.66	61.1	3.70E+03	0.562
PCB-203 22'344'55'6-OcCB	42.32		1.1263	1.1264	+0.3	5.83E+06	0.90	0.68	78.4	3.70E+03	0.542
PCB-195 22'33'44'56-OcCB	43.45		0.9489	0.9487	-0.5	2.34E+06	0.90	0.89	50.8	4.37E+03	1.06
PCB-194 22'33'44'55'-OcCB	45.42		0.9918	0.9917	-0.3	6.09E+06	0.93	0.92	128	4.37E+03	1.03
PCB-205 233'44'55'6-OcCB	45.82		1.0004	1.0004	0	3.70E+05	0.89	1.13	6.29	4.37E+03	0.834
PCB-208 22'33'455'66'-NoCB	43.23		1.0005	1.0005	0	1.84E+06	0.79	1.03	25	3.92E+03	0.609
PCB-207 22'33'44'566'-NoCB	44.02		1.0187	1.0186	-0.3	5.89E+05	0.74	1.00	8.33	3.92E+03	0.631
PCB-206 22'33'44'55'6-NoCB	47.29		1.0004	1.0003	-0.3	3.33E+06	0.77	0.97	68	3.92E+03	1.02

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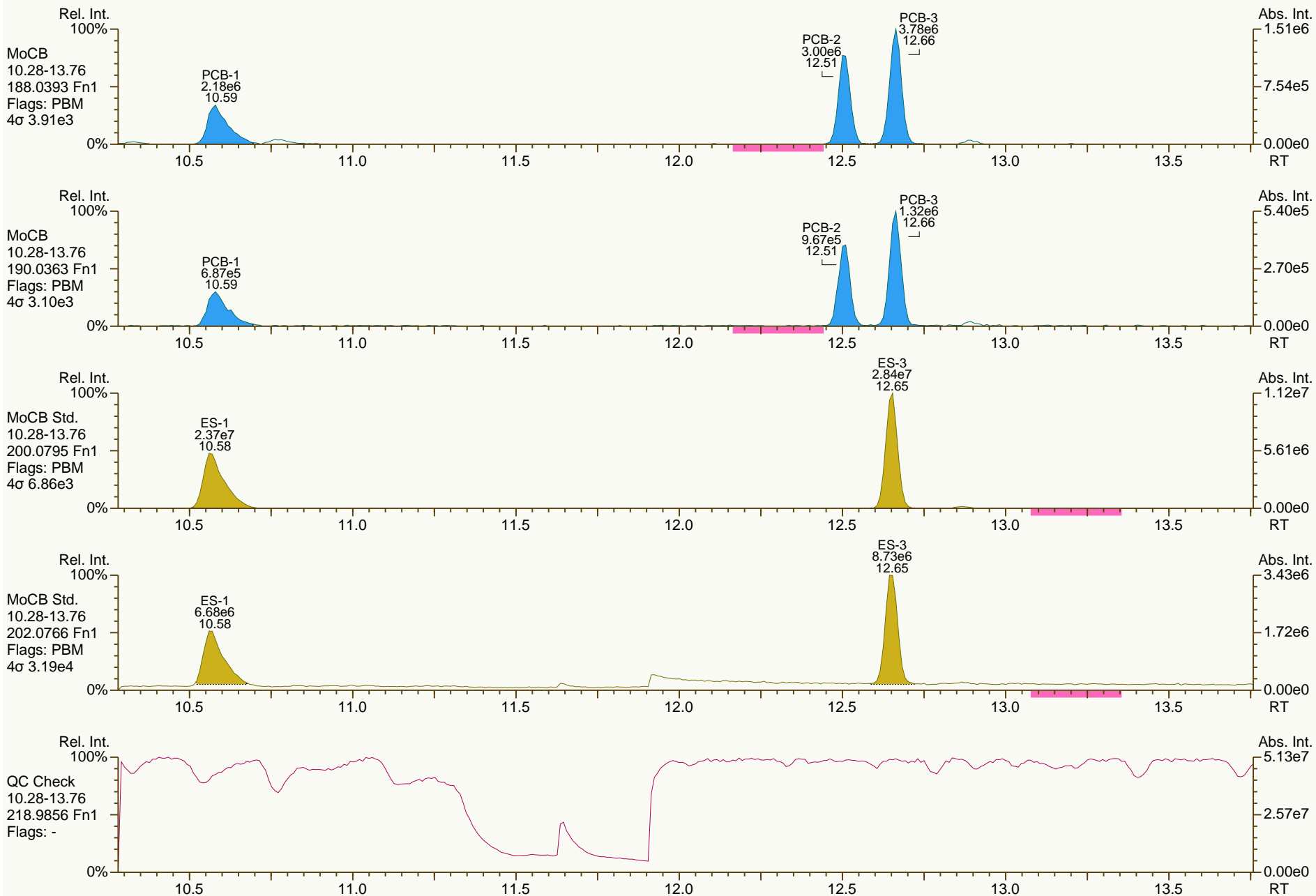
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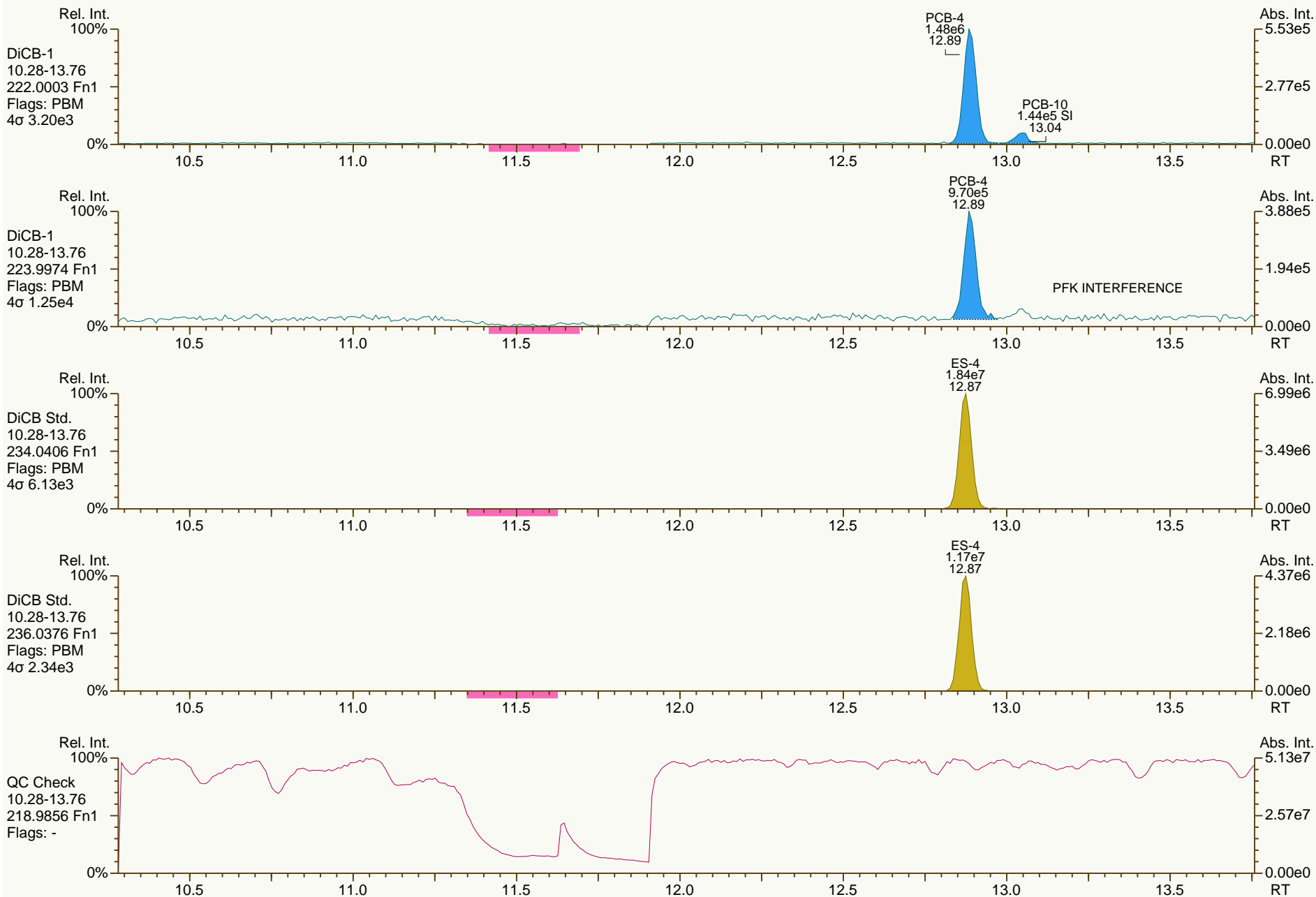
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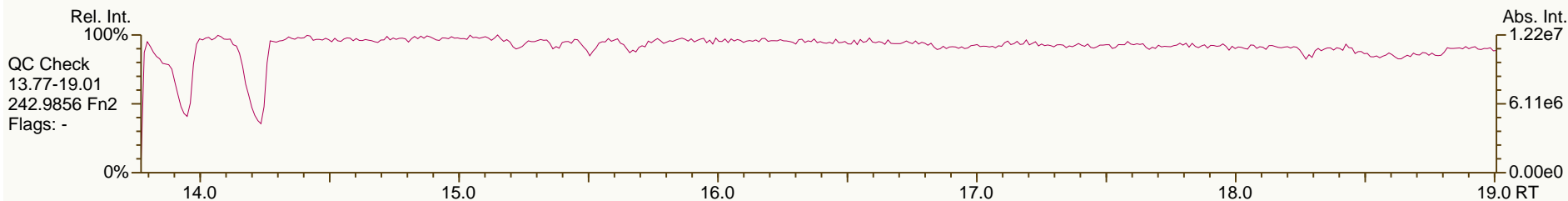
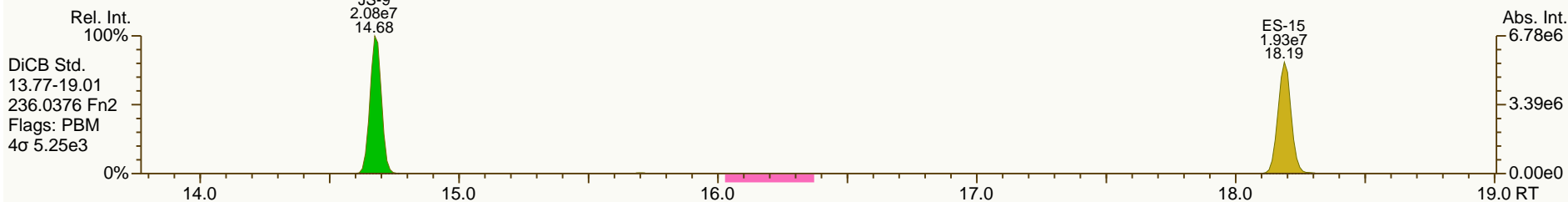
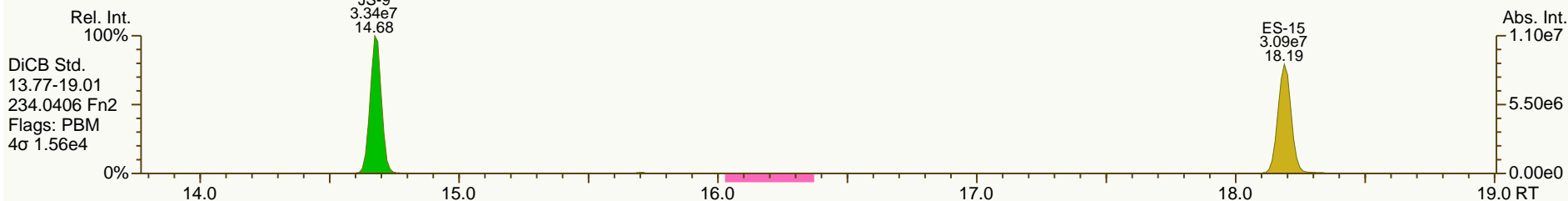
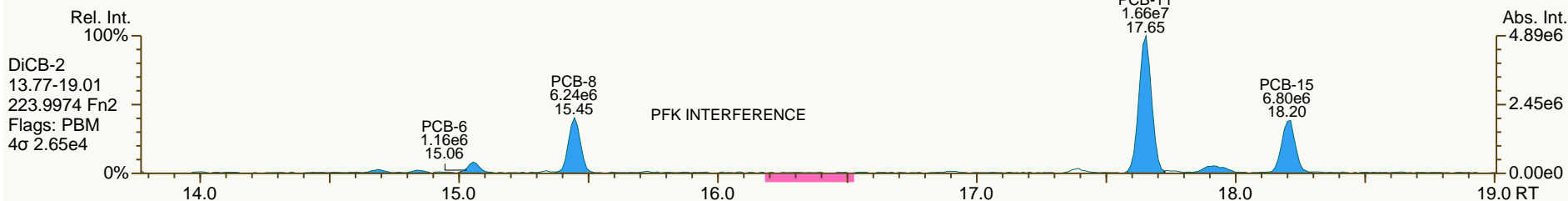
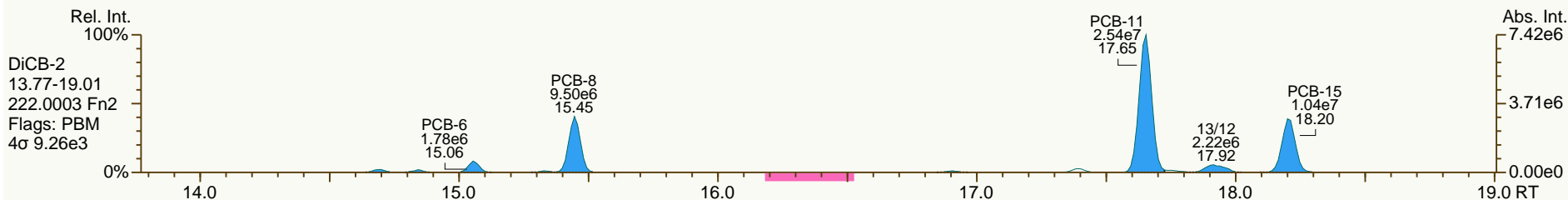
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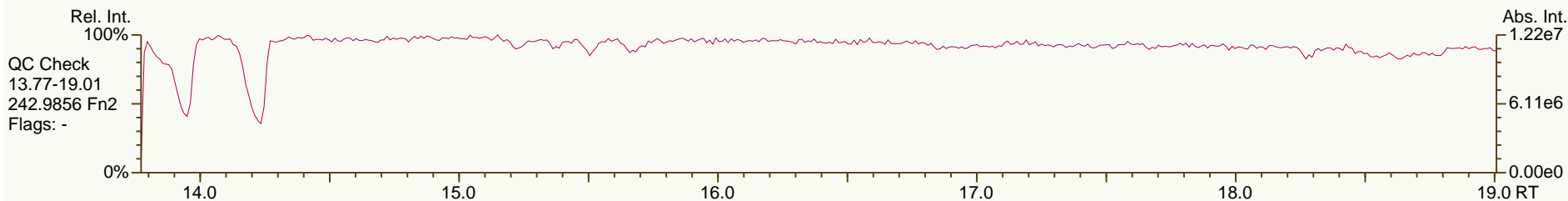
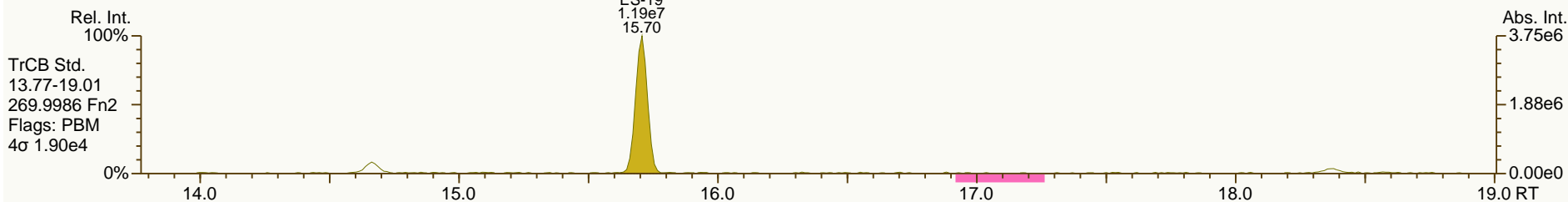
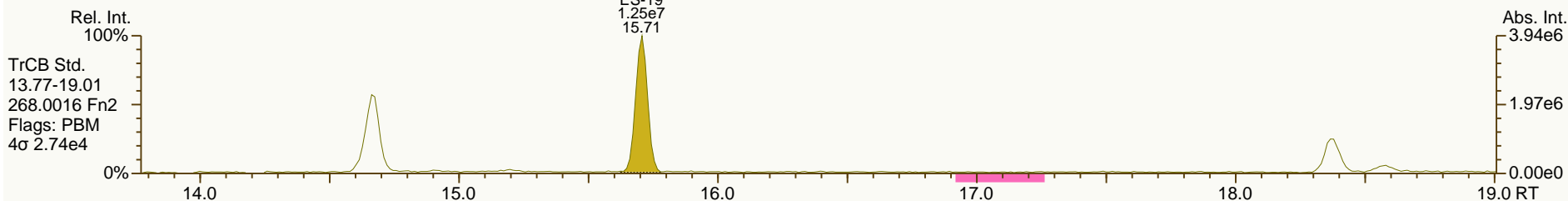
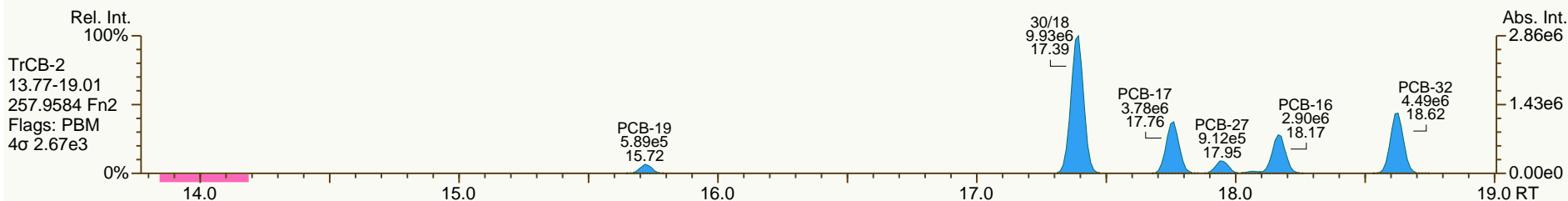
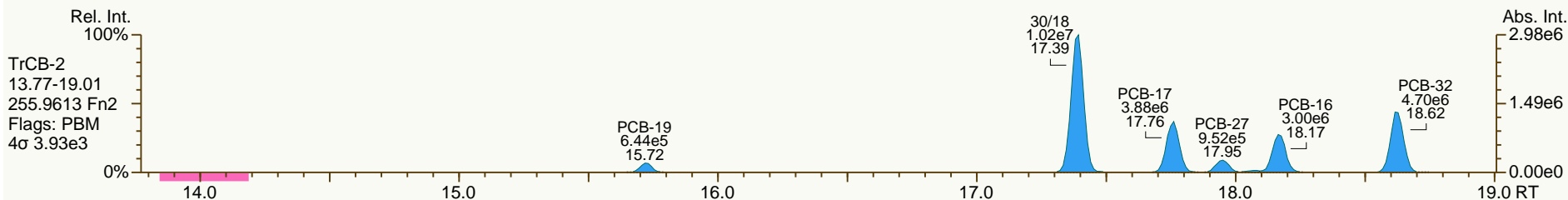
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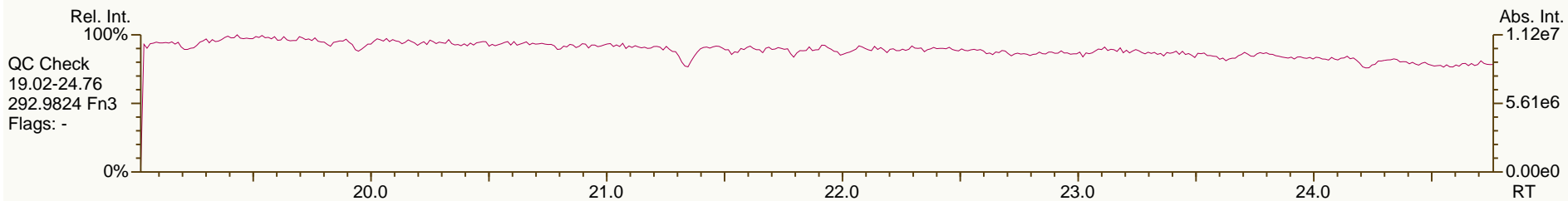
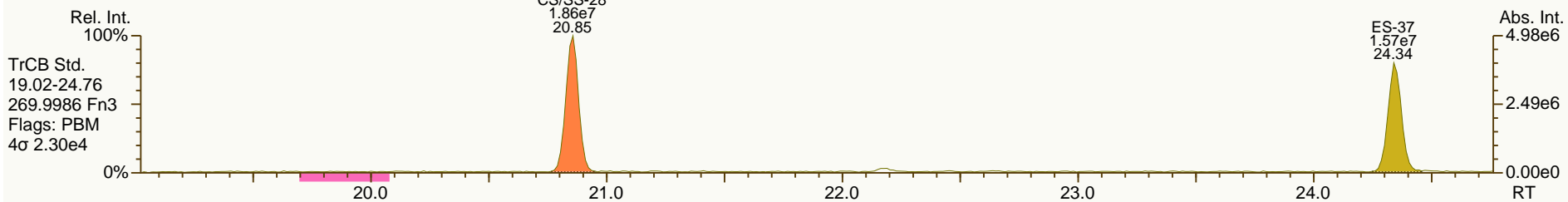
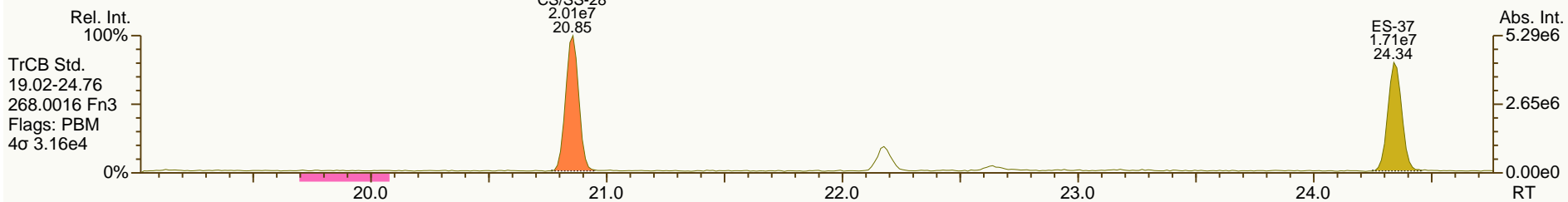
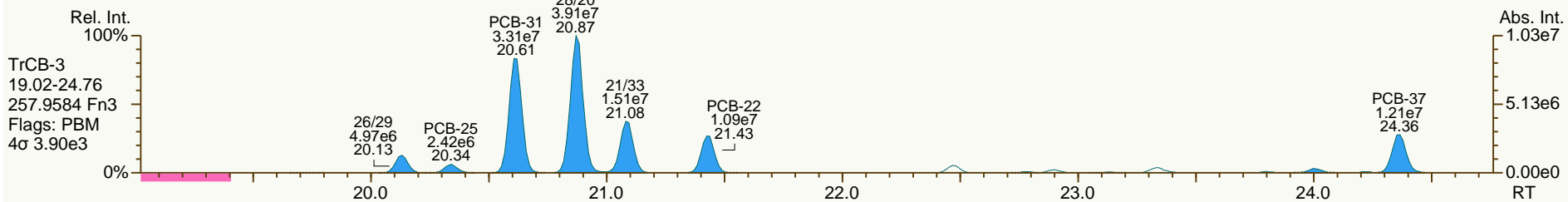
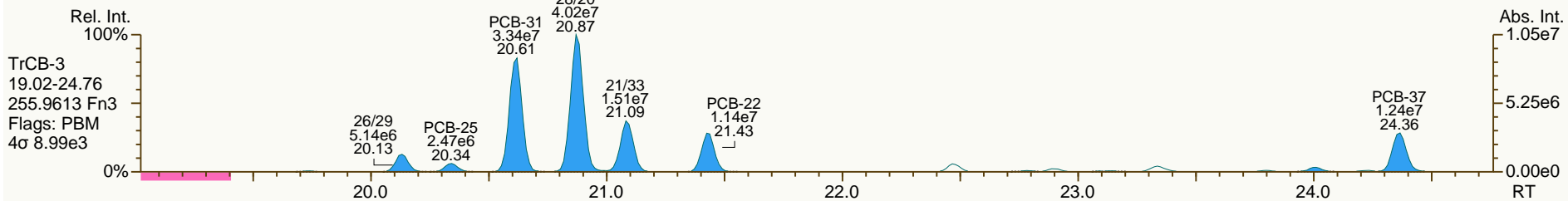
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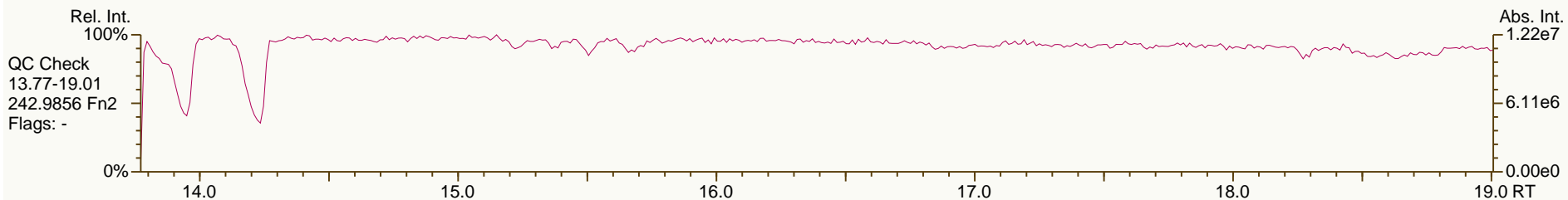
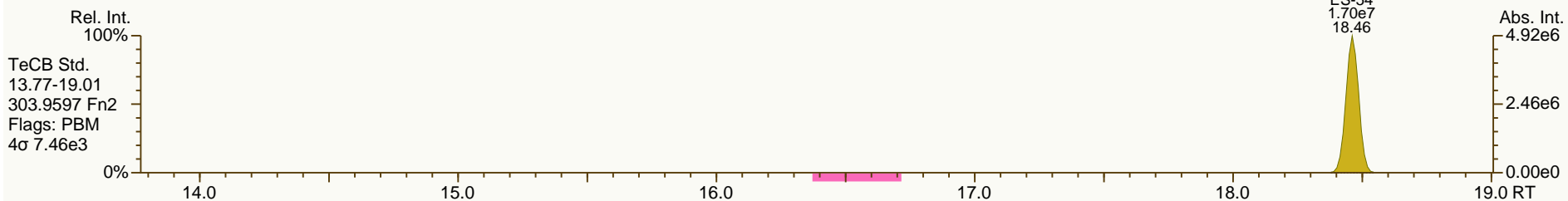
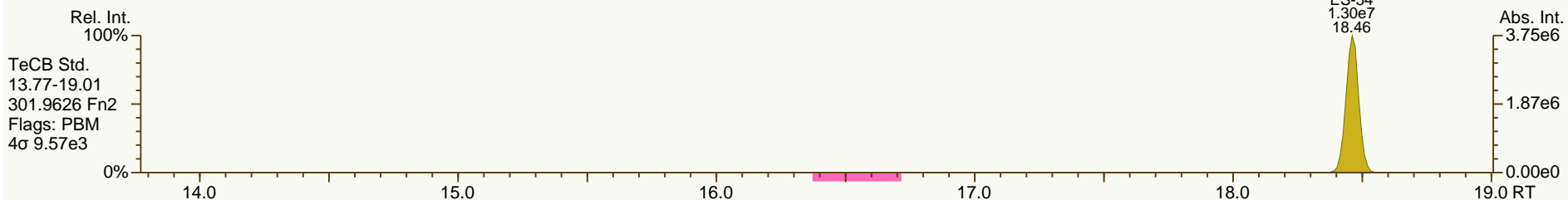
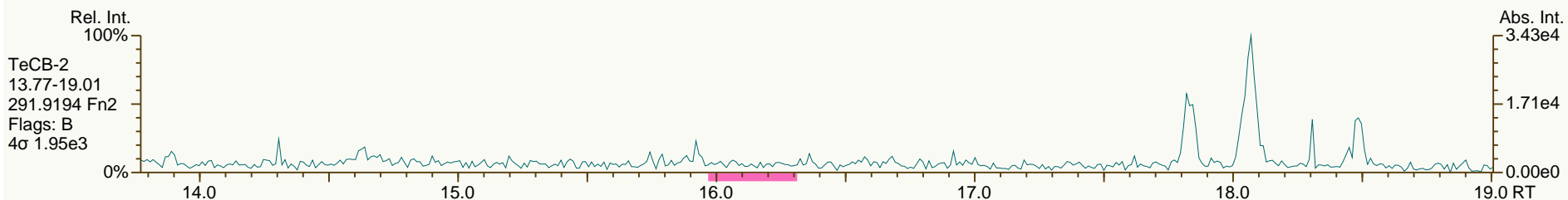
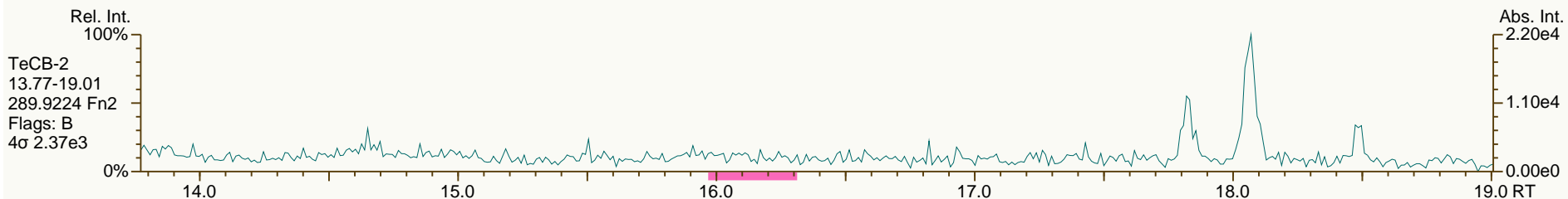
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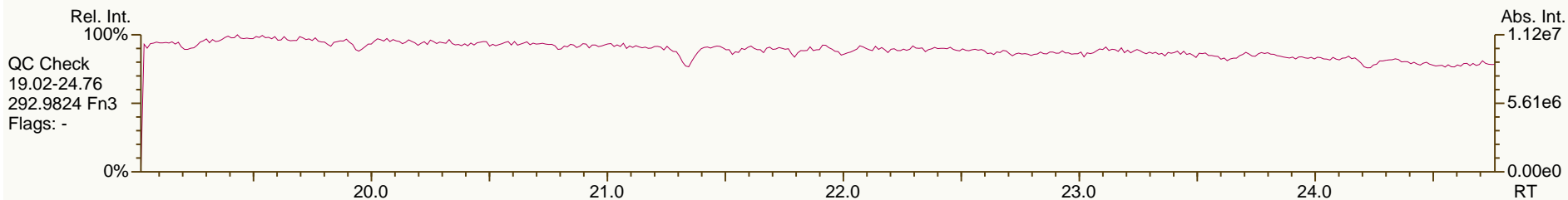
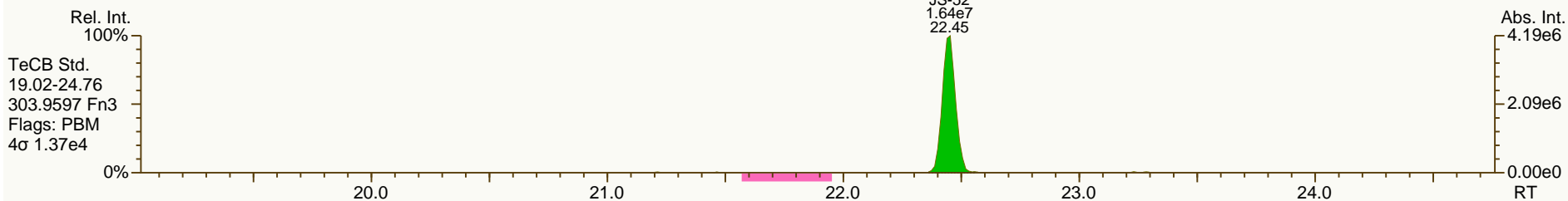
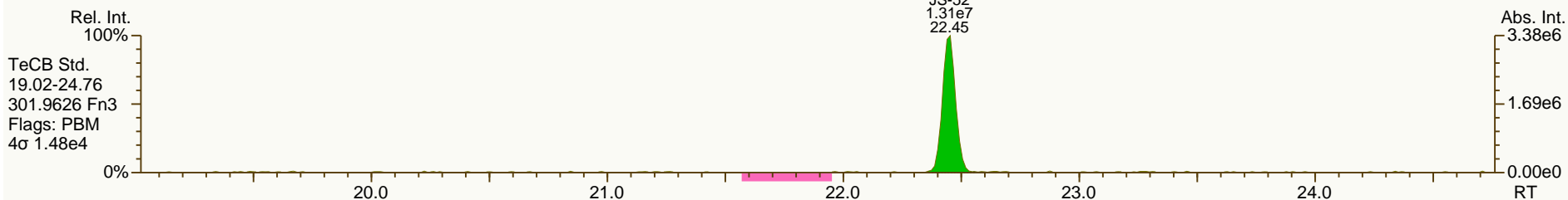
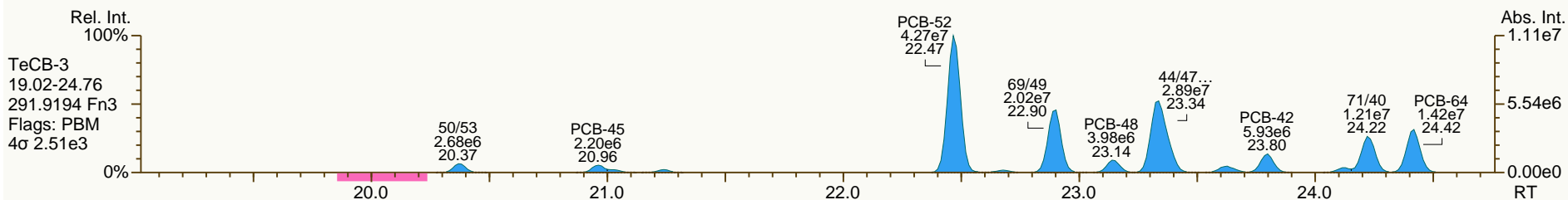
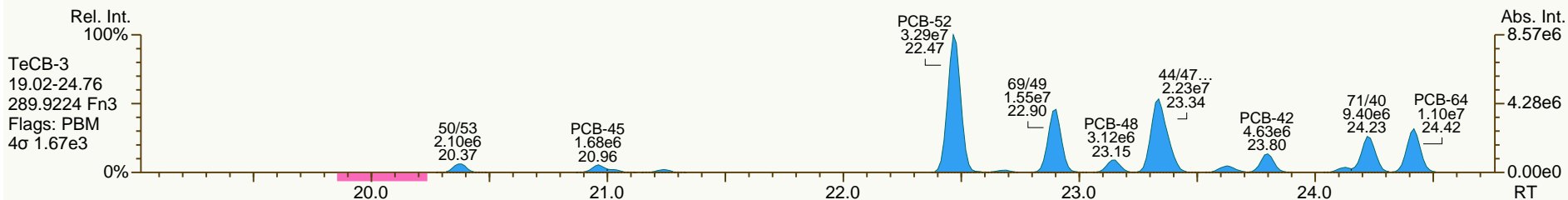
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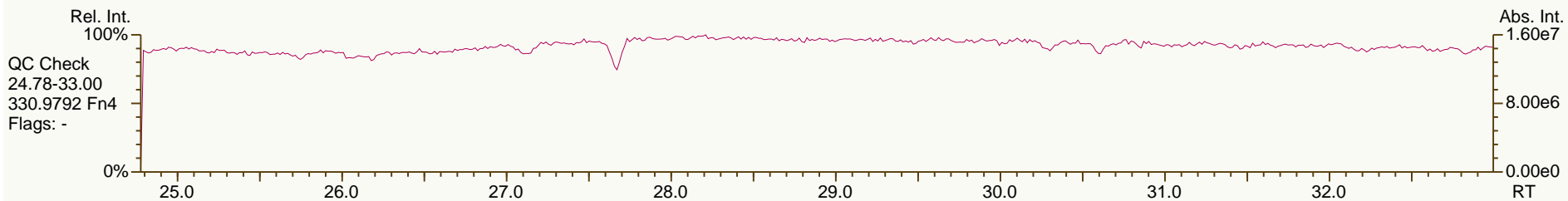
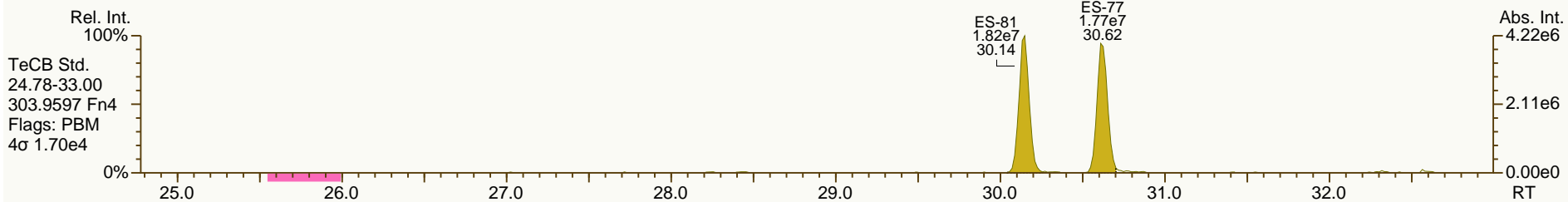
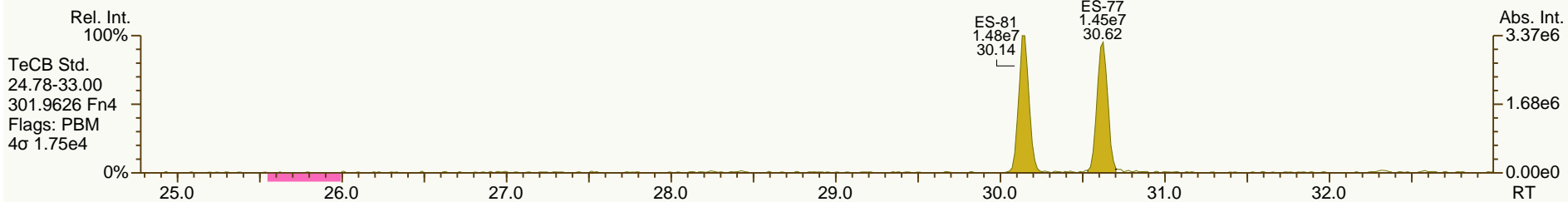
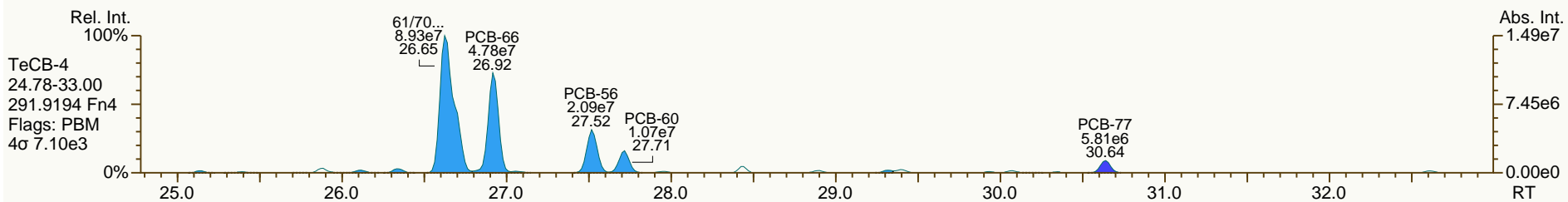
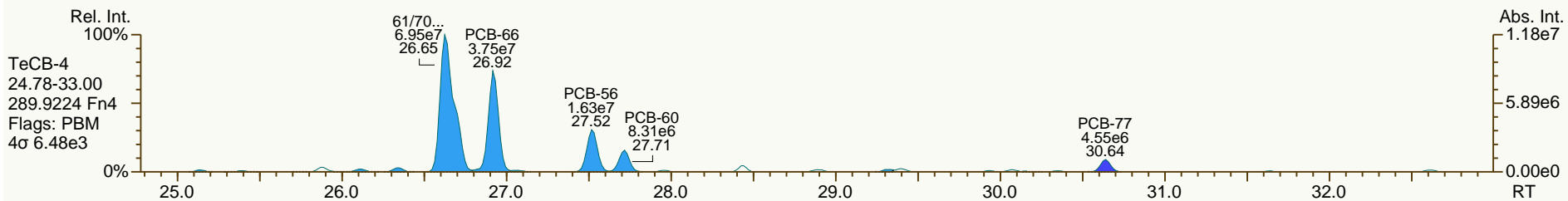
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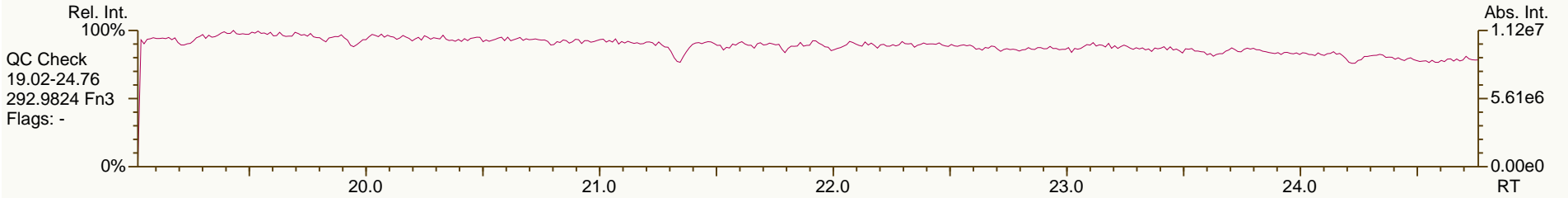
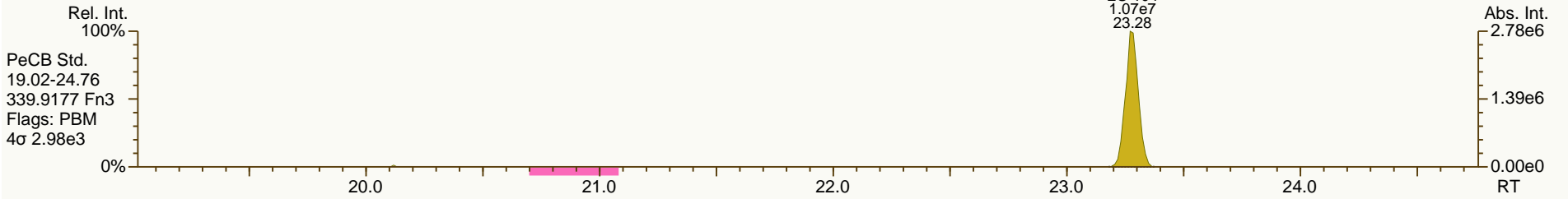
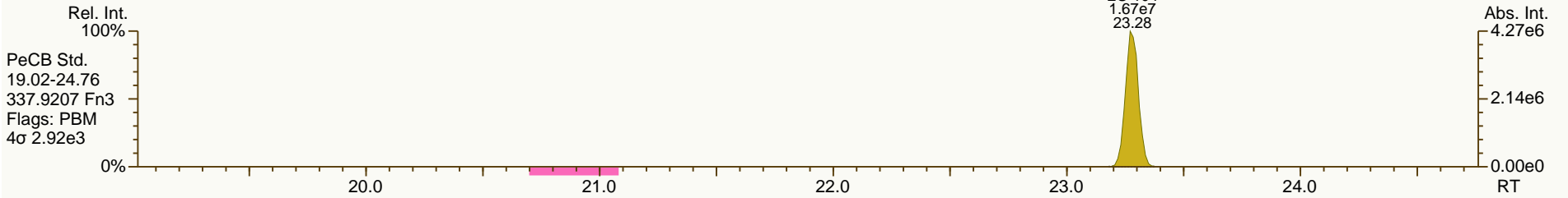
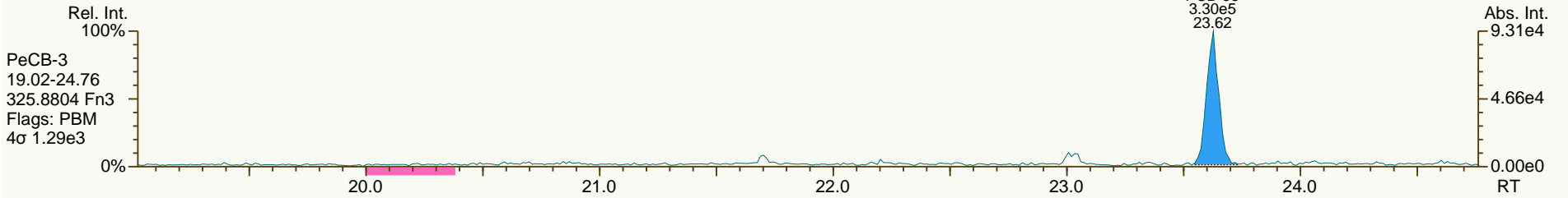
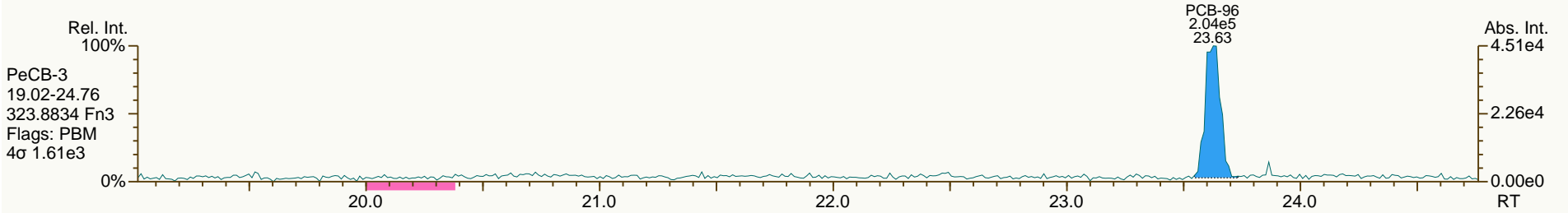
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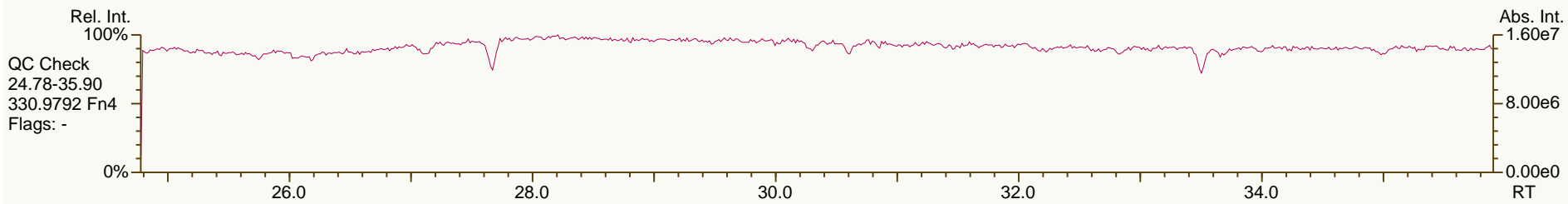
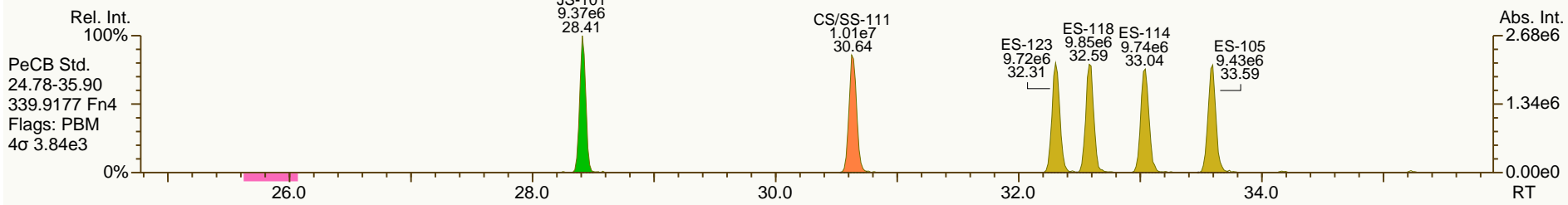
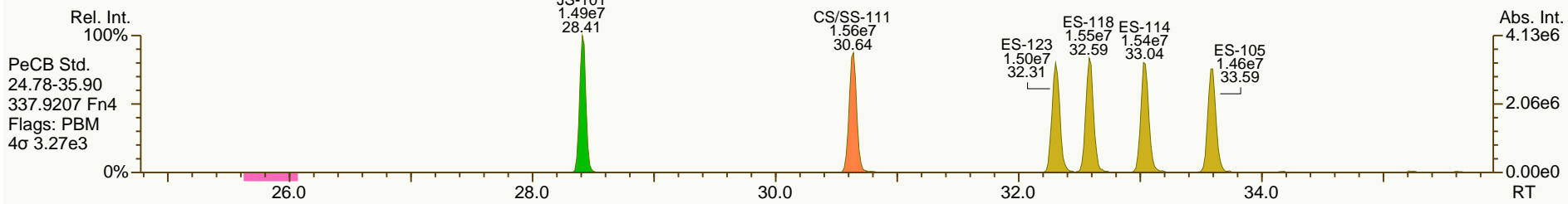
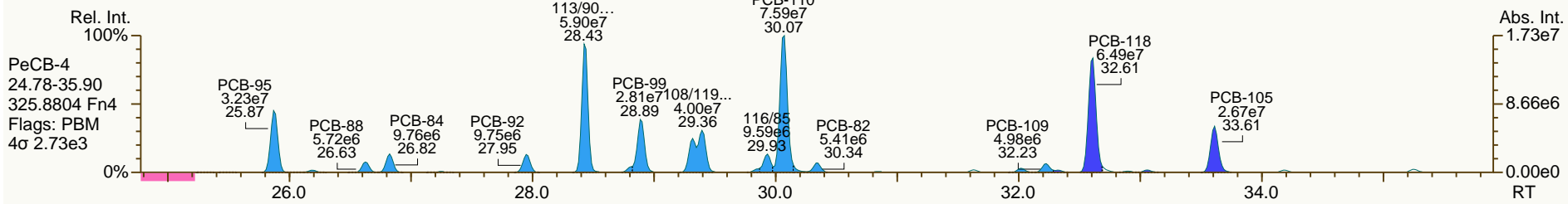
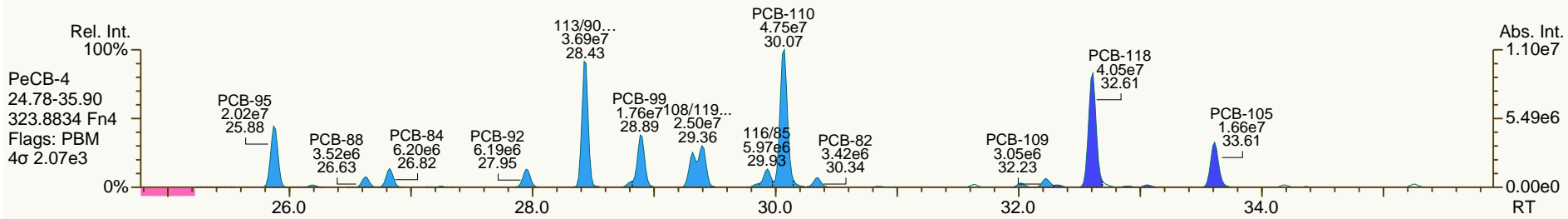
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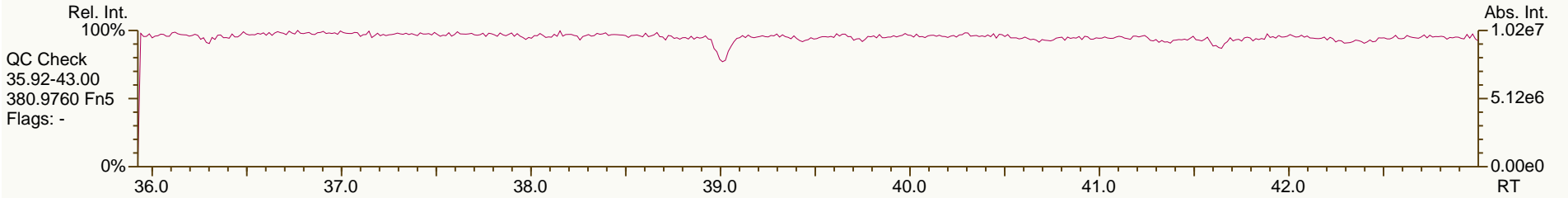
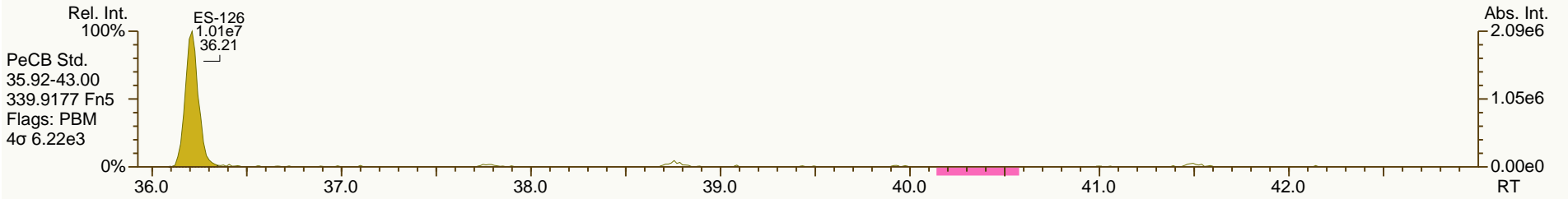
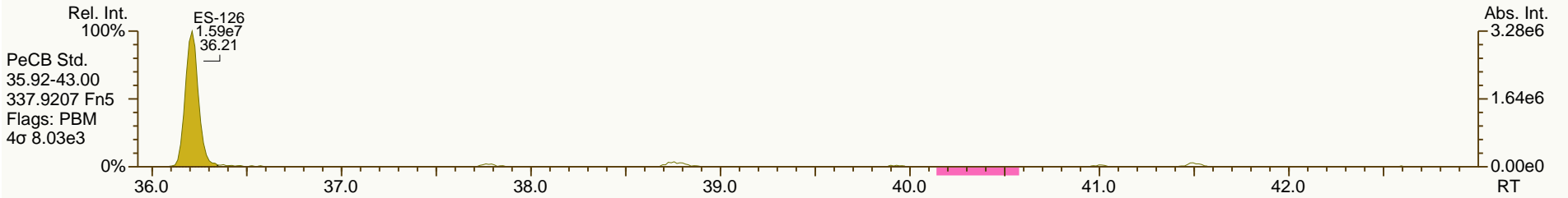
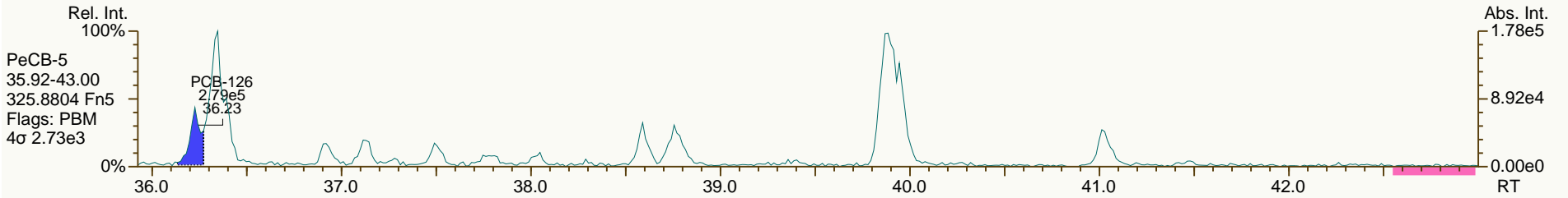
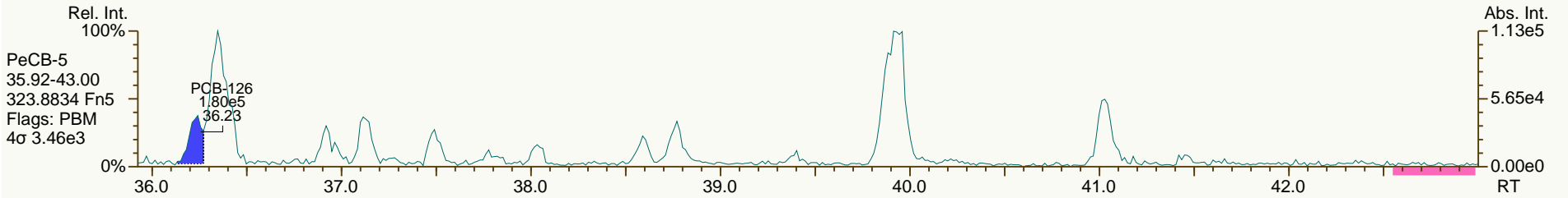
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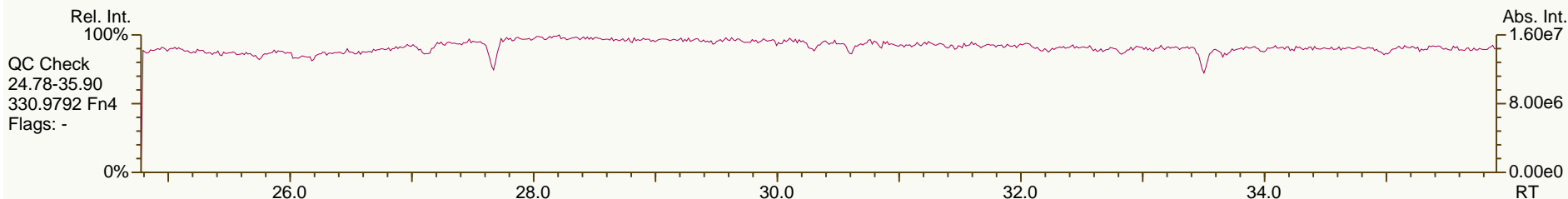
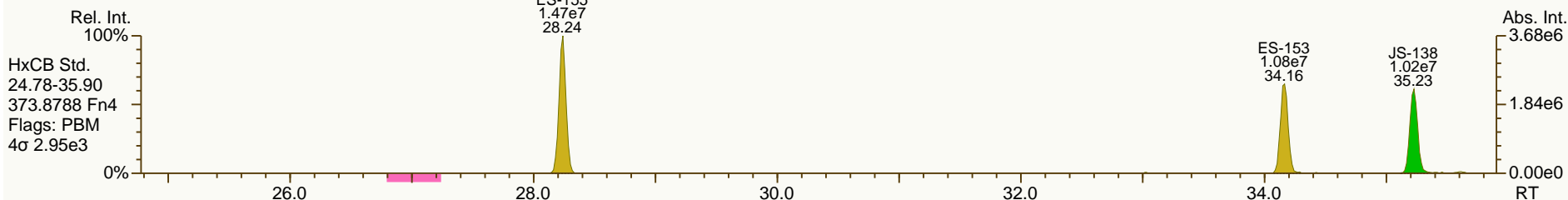
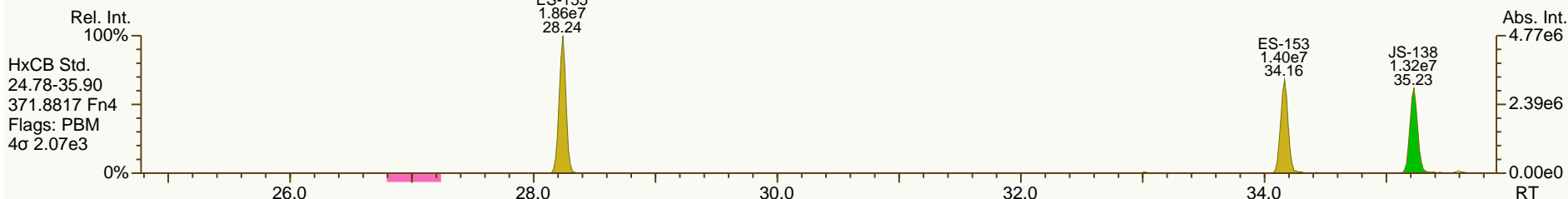
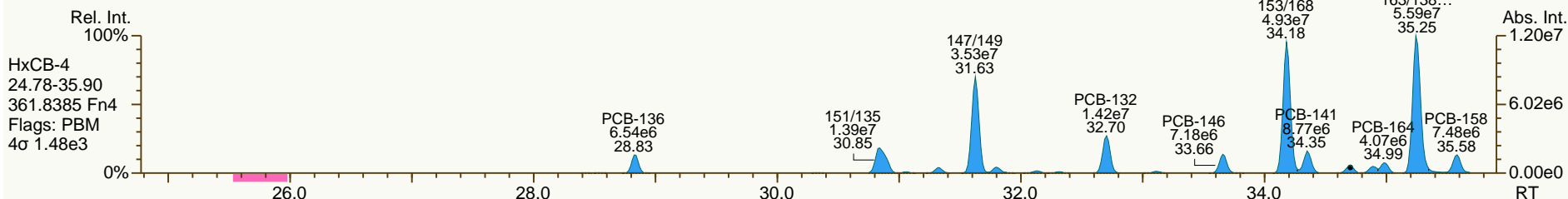
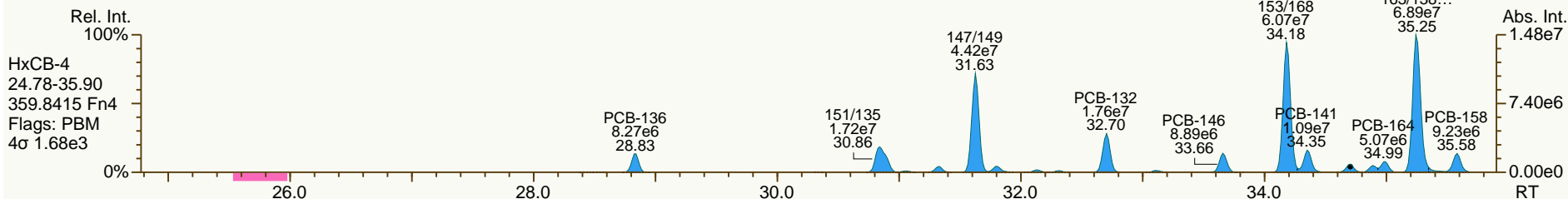
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

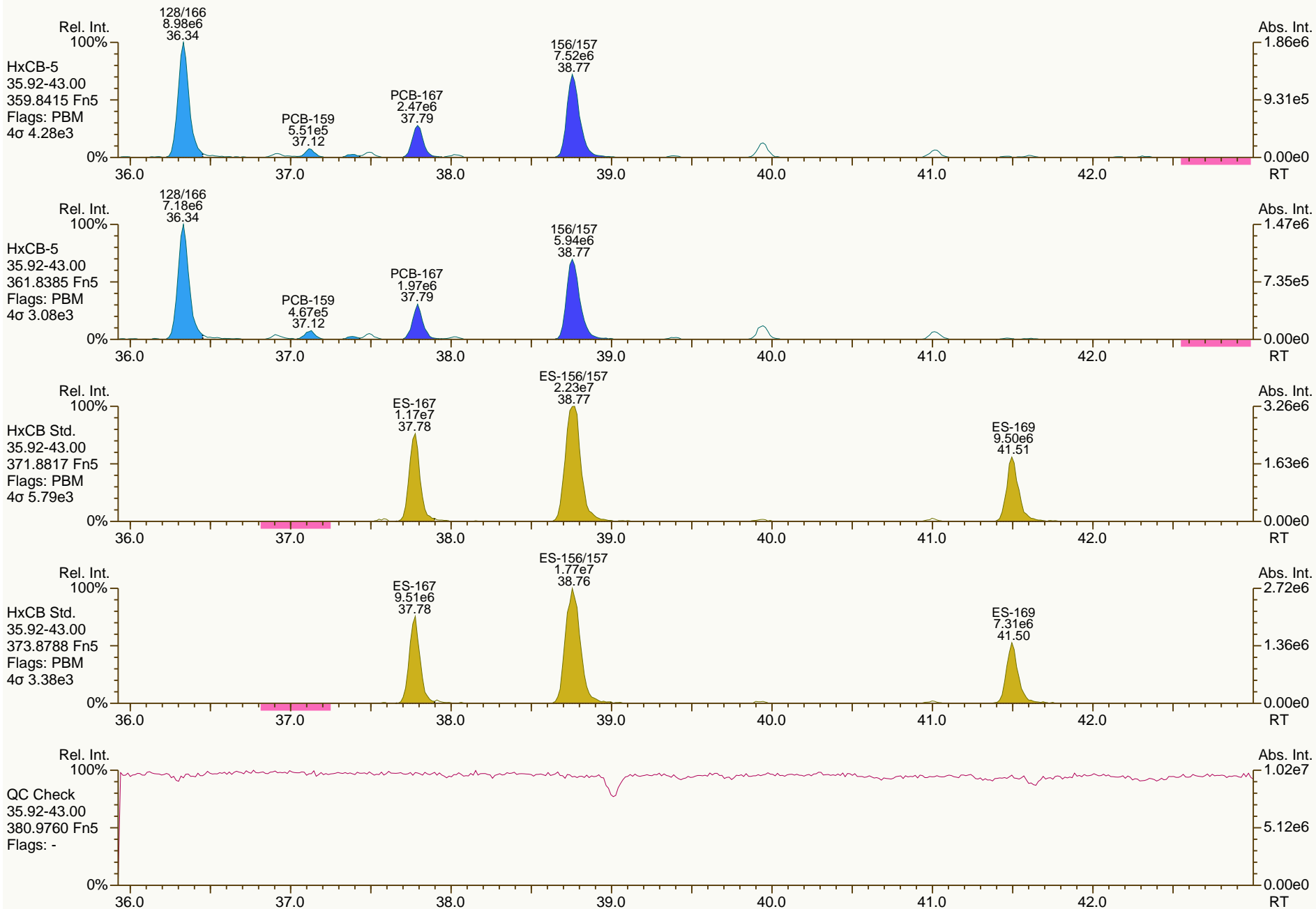
Acq: 19-Jul-2013 22:47:06
 User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

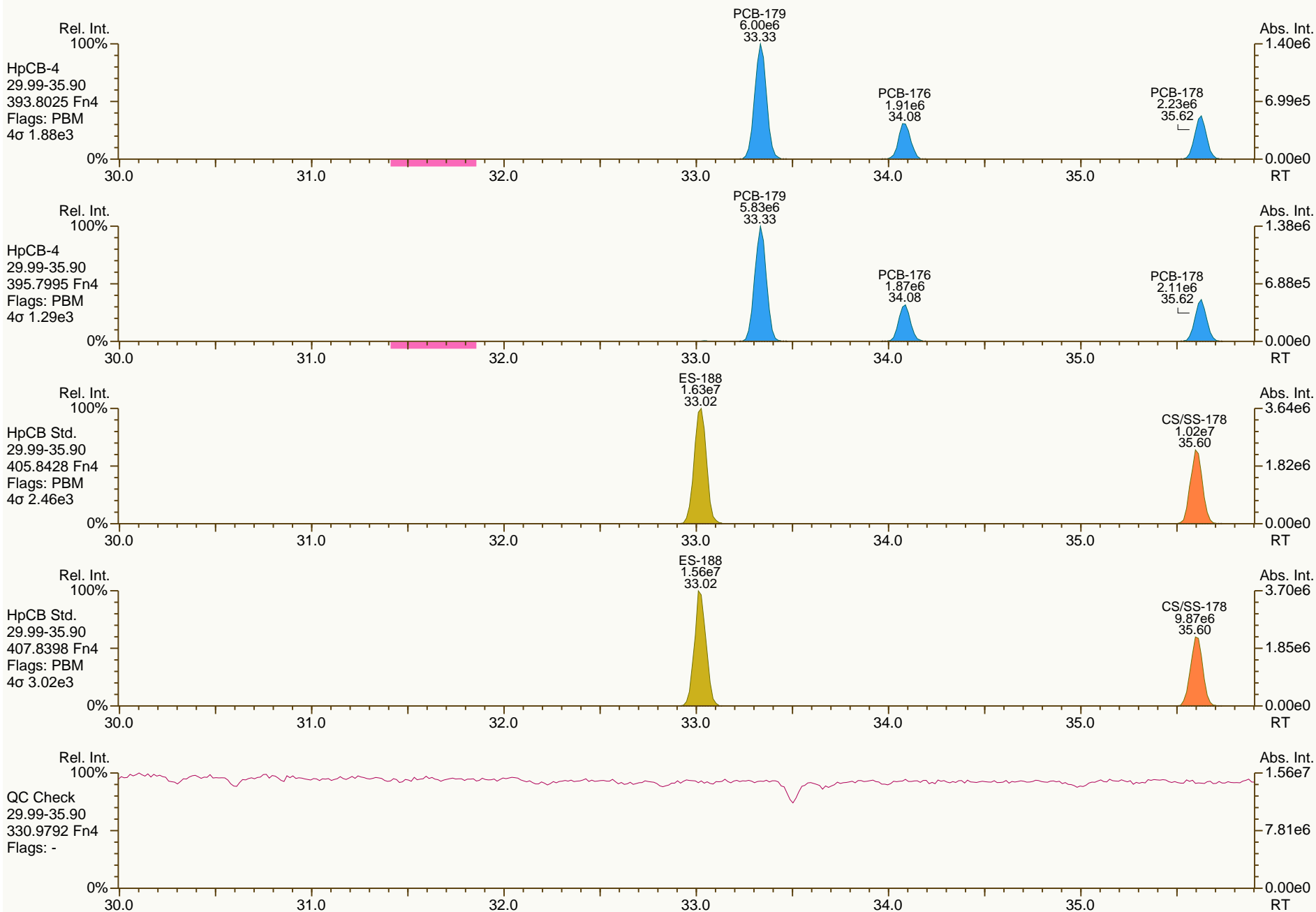
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

Acq: 19-Jul-2013 22:47:06
 User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

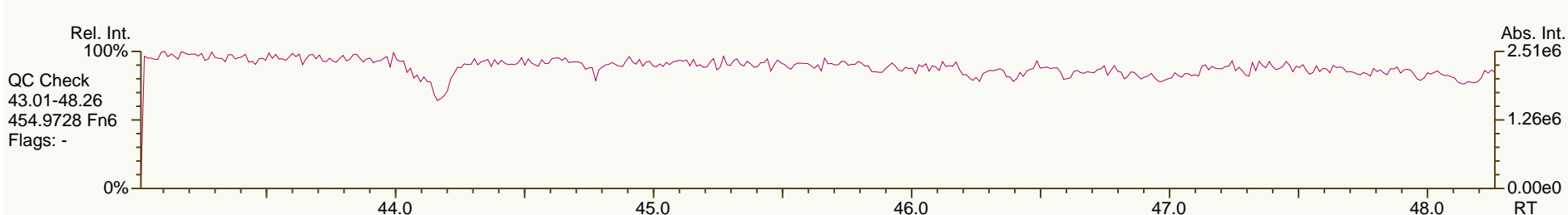
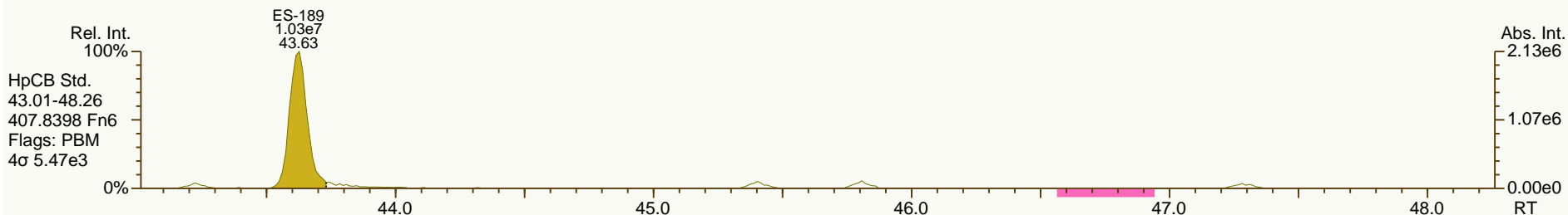
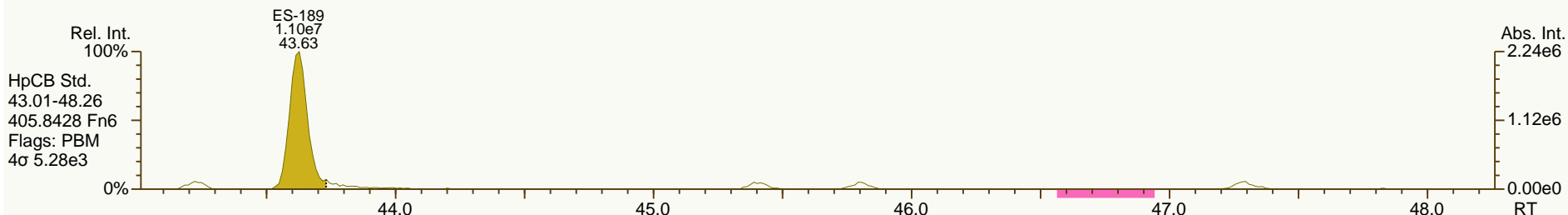
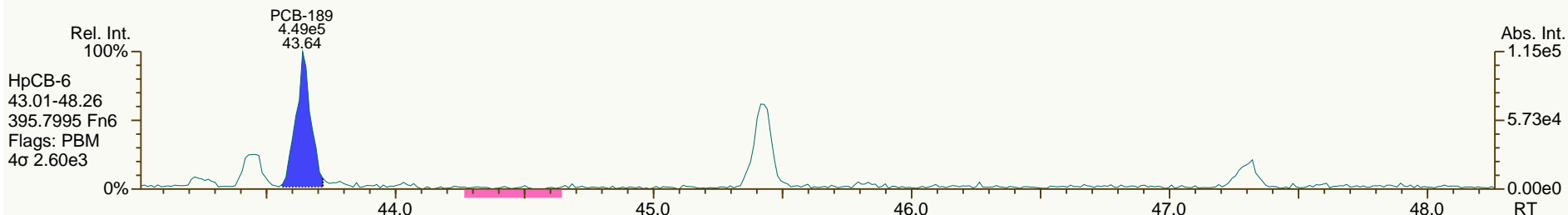
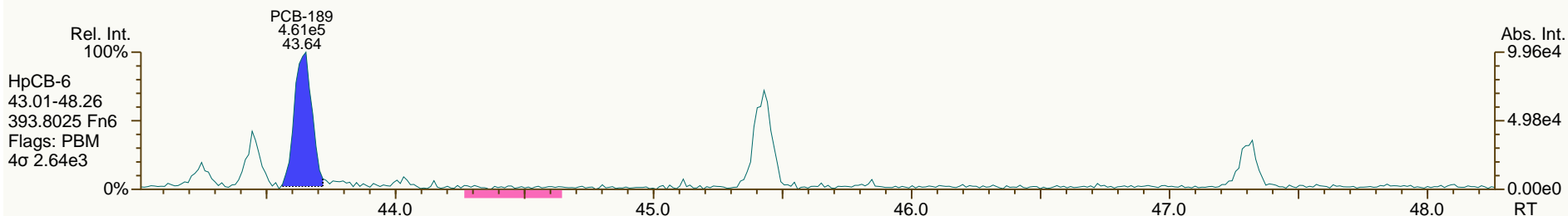
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SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

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SGS-AP ID: A5698_11123_PCB_015
Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

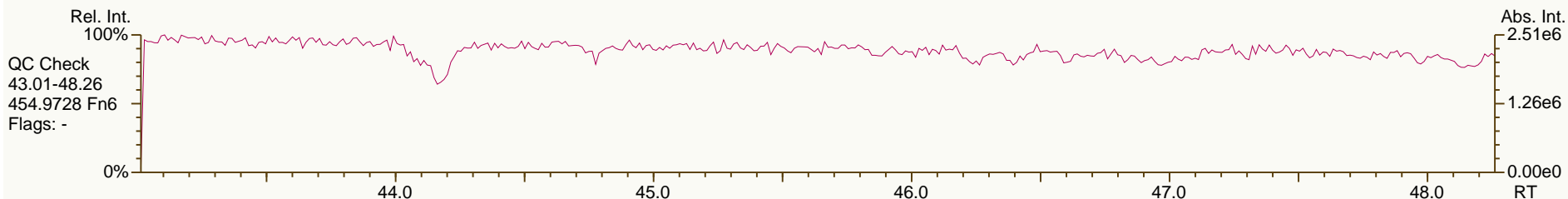
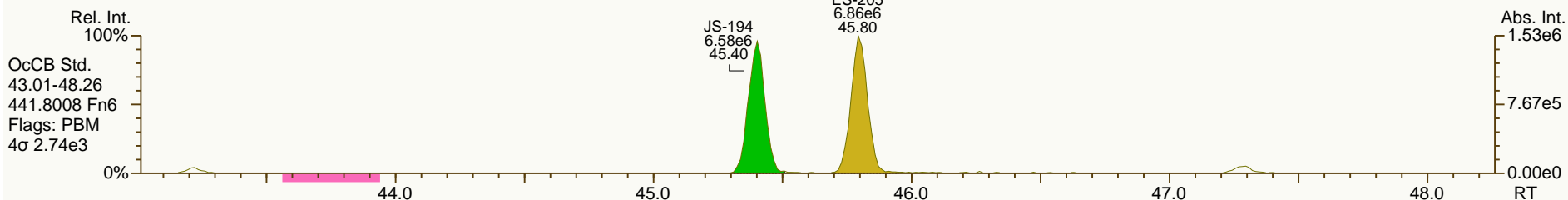
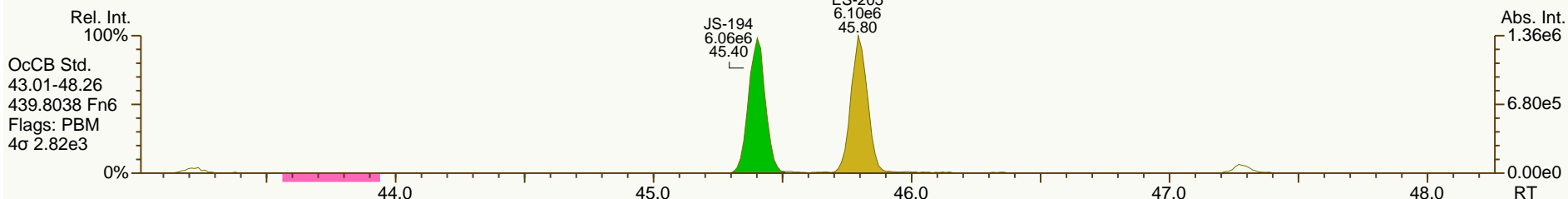
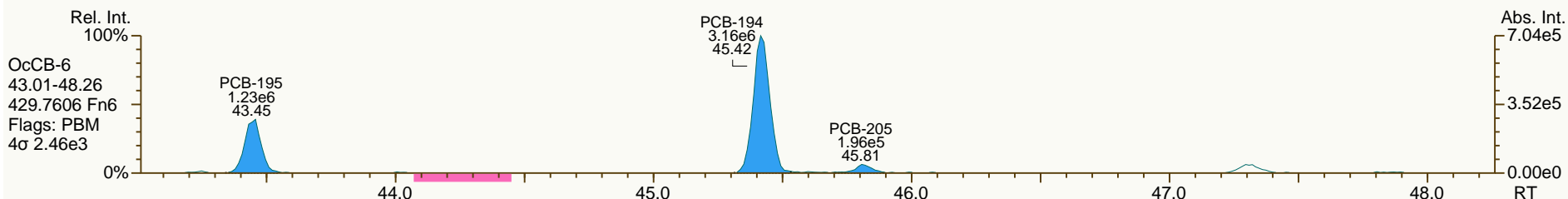
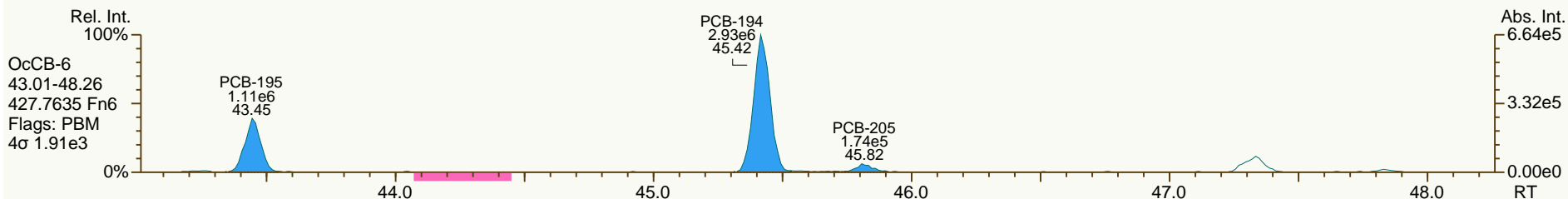
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User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

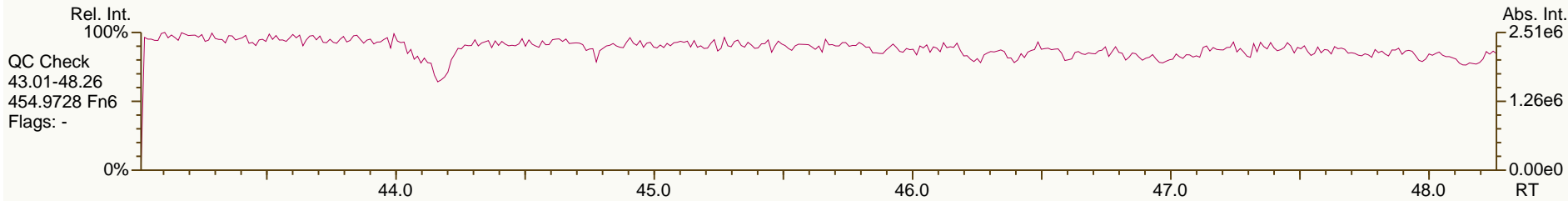
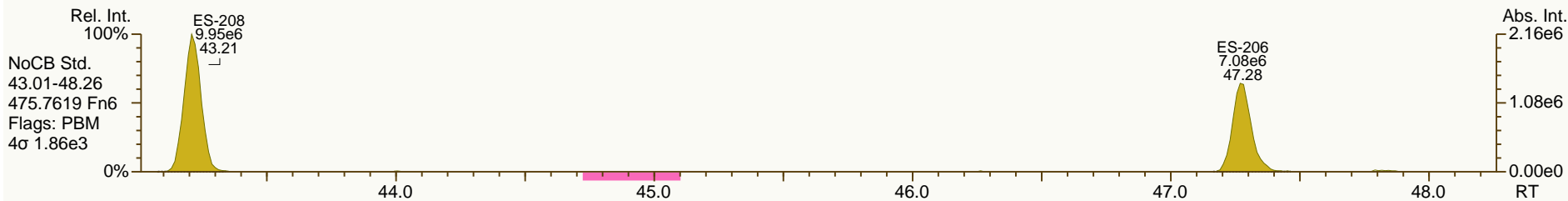
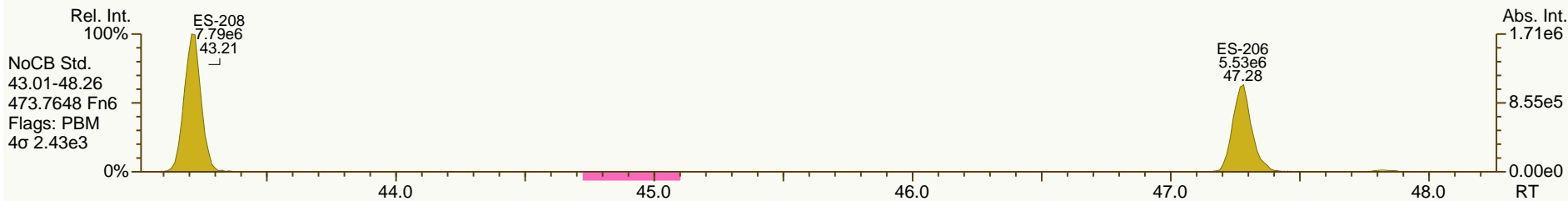
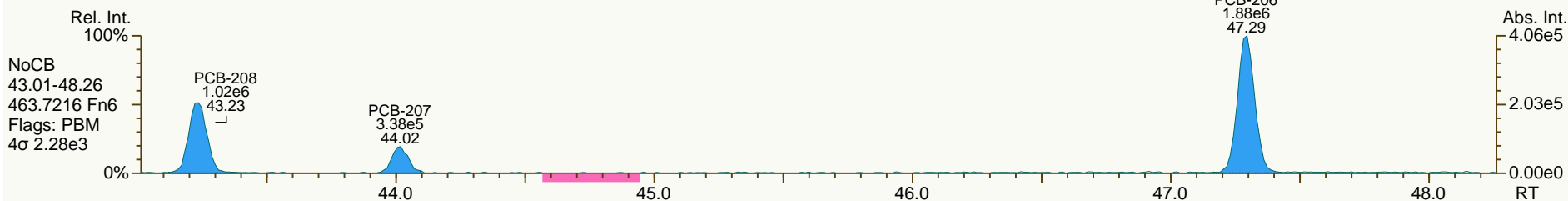
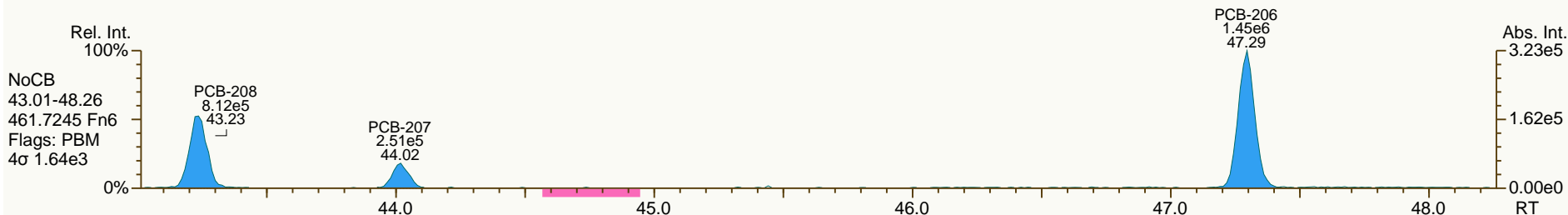
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 User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

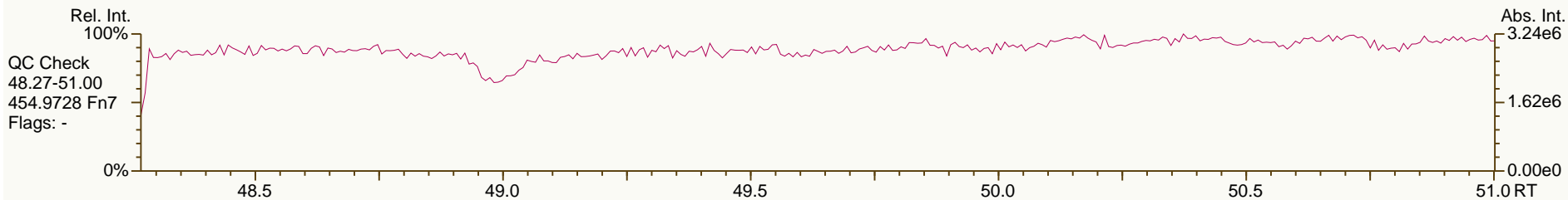
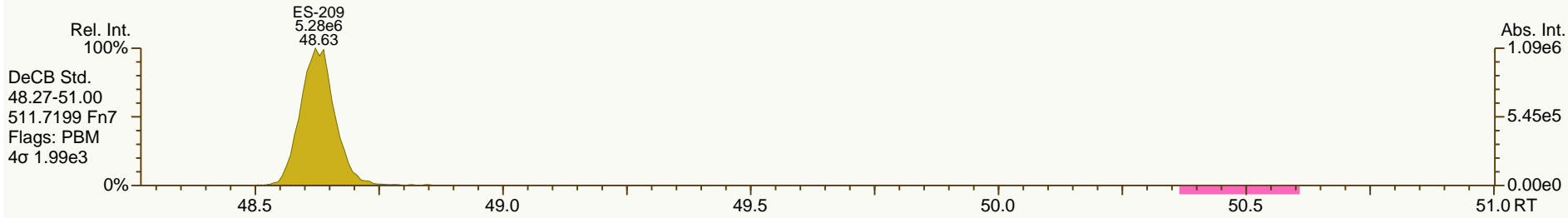
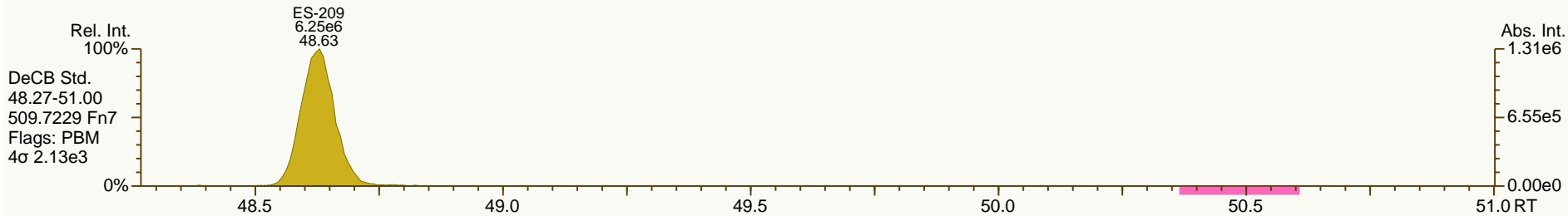
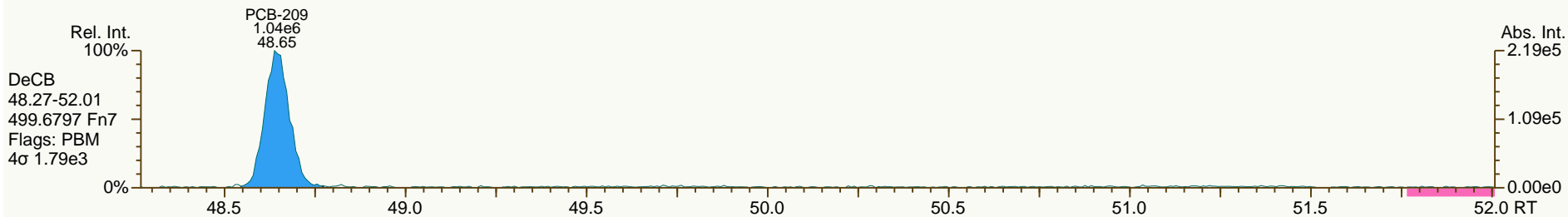
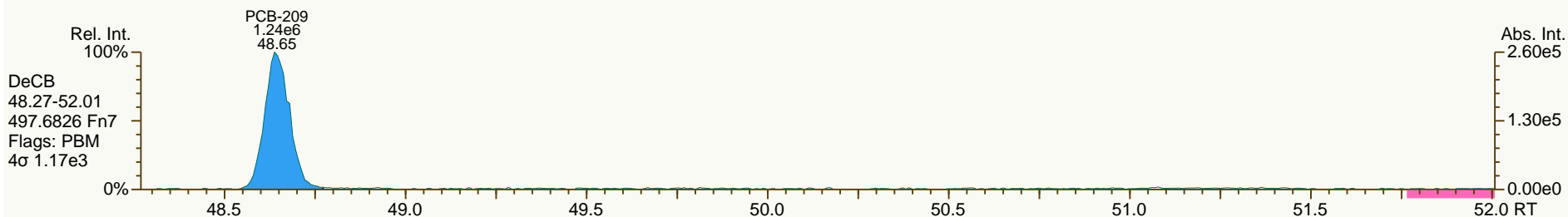
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 User: JLJ Datafile: 130719V18



SGS-AP ID: A5698_11123_PCB_015
 Instr: AutoSpec-Premier MM6

Sample ID: JW-EA09-SC36-A-130426
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 21

Acq: 19-Jul-2013 22:47:06
 User: JLJ Datafile: 130719V18



SGS Analytical Perspectives — Run Log

Project: A5698_11123_DF

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130718P1-01	7	CS3_PA	1.00	11012012A	MDC	203-430	18-JUL-2013	12:22:07
2	130718P1-02	17	OPR1_11123_DF	1.00	0_11123_OPR001	MDC	735-510	18-JUL-2013	13:14:41
3	130718P1-03	15	SBS_130718_DF_PA	1.00	solvent blank	MDC	685-555	18-JUL-2013	14:07:18
4	130718P1-04	16	MB1_11123_DF_SDS	10.00	Method Blank A5698	MDC	722-304	18-JUL-2013	14:59:52
5	130718P1-05	18	A5698_11123_DF_004	6.29	JW-SS-211-130429	MDC	483-957	18-JUL-2013	15:52:27
6	130718P1-06	19	A5698_11123_DF_005	5.47	JW-SS-214-130429	MDC	752-903	18-JUL-2013	16:45:02
7	130718P1-07	20	A5698_11123_DF_006	5.78	JW-SS-215-130429	MDC	813-318	18-JUL-2013	17:37:37
8	130718P1-08	21	A5698_11123_DF_007	8.47	JW-SS-216-130429	MDC	852-833	18-JUL-2013	18:30:12
9	130718P1-09	22	A5698_11123_DF_008	5.40	JW-EA02-SC05-D-130423	MDC	* 870-968	18-JUL-2013	19:22:51
10	130718P1-10	23	A5698_11123_DF_009	7.30	JW-EA04-SC13-D-130423	MDC	213-137	18-JUL-2013	20:15:24
11	130718P1-11	7	CS3_PB	1.00	11012012A	MDC	528-553	18-JUL-2013	21:07:57
12	130718P2-01	17	CPSM	1.00	0_11123_OPR001	MDC	259-588	18-JUL-2013	22:10:42
13	130718P2-02	15	SBS_130718_DF_PB	1.00	solvent blank	MDC	829-350	18-JUL-2013	23:03:13
14	130718P2-03	24	A5698_11123_DF_010	7.10	JW-EA06-SC21-A-130423	MDC	* 030-396	18-JUL-2013	23:55:40
15	130718P2-04	25	A5698_11123_DF_011	6.68	JW-EA06-SC21-B-130423	MDC	083-381	19-JUL-2013	00:48:13
16	130718P2-05	26	A5698_11123_DF_012	7.28	JW-EA07-SC28-A-130426	MDC	320-242	19-JUL-2013	01:40:41
17	130718P2-06	27	A5698_11123_DF_013	9.09	JW-EA07-SC28-B-130426	MDC	438-751	19-JUL-2013	02:33:14
18	130718P2-07	28	A5698_11123_DF_014	8.27	JW-EA07-SC28-C-130426	MDC	740-128	19-JUL-2013	03:25:42
19	130718P2-08	29	A5698_11123_DF_015	8.00	JW-EA09-SC36-A-130426	MDC	610-725	19-JUL-2013	04:18:16
20	130718P2-09	7	CS3_PC	1.00	11012012A	MDC	228-141	19-JUL-2013	05:10:43

REVIEWED

By Michael D H Chu at 11:01 am, Jul 20, 2013

008, 010 checkcodes updated for correction to assignment of HpCDF CS. ajb 7/22/13

OPR analyzed as CPSM on 2nd clock. ajb 7/22/13

APPROVED

By Amy Boehm at 2:45 pm, Jul 22, 2013

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 12:22 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PA		UTP: 19-Jul-2013 13:26 MDC			Checkcode: 203-430-GRF		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.99	7.59E+06	0.79	Y	1.06	1.13	6%
12378-PeCDD	34.16	2.98E+07	1.58	Y	0.94	0.97	3%
123478-HxCDD	38.75	2.89E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	38.88	2.86E+07	1.28	Y	1.04	1.09	5%
123789-HxCDD	39.22	3.16E+07	1.25	Y	0.98	1.02	4%
1234678-HpCDD	42.84	2.87E+07	1.04	Y	1.02	1.04	2%
OCDD	46.61	4.73E+07	0.90	Y	1.08	1.11	2%
2378-TCDF	27.01	1.06E+07	0.79	Y	0.97	1.03	6%
12378-PeCDF	32.45	4.82E+07	1.53	Y	1.00	1.05	6%
23478-PeCDF	33.75	4.84E+07	1.52	Y	0.96	1.04	7%
123478-HxCDF	37.60	4.49E+07	1.26	Y	1.23	1.27	3%
123678-HxCDF	37.76	4.71E+07	1.26	Y	1.14	1.19	4%
234678-HxCDF	38.53	4.45E+07	1.26	Y	1.14	1.19	4%
123789-HxCDF	39.63	4.05E+07	1.26	Y	1.13	1.20	6%
1234678-HpCDF	41.58	3.91E+07	1.03	Y	1.34	1.37	2%
1234789-HpCDF	43.45	3.63E+07	1.03	Y	1.30	1.33	3%
OCDF	46.86	6.11E+07	0.91	Y	1.00	1.06	6%
ES 2378-TCDD	27.96	6.70E+07	0.78	Y	1.01	1.03	2%
ES 12378-PeCDD	34.14	6.15E+07	1.63	Y	0.90	0.94	5%
ES 123478-HxCDD	38.73	5.45E+07	1.20	Y	0.99	1.03	4%
ES 123678-HxCDD	38.87	5.23E+07	1.21	Y	1.02	0.99	-3%
ES 123789-HxCDD	39.20	6.18E+07	1.21	Y	1.12	1.17	5%
ES 1234678-HpCDD	42.82	5.53E+07	1.07	Y	0.90	1.04	16%
ES OCDD	46.60	8.55E+07	0.90	Y	0.74	0.81	9%
ES 2378-TCDF	26.99	1.04E+08	0.76	Y	1.05	1.06	0%
ES 12378-PeCDF	32.43	9.15E+07	1.53	Y	0.88	0.93	6%
ES 23478-PeCDF	33.73	9.34E+07	1.59	Y	0.91	0.95	5%
ES 123478-HxCDF	37.58	7.04E+07	0.53	Y	1.25	1.33	6%
ES 123678-HxCDF	37.74	7.94E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	38.51	7.49E+07	0.52	Y	1.29	1.42	9%
ES 123789-HxCDF	39.62	6.75E+07	0.52	Y	1.17	1.28	9%
ES 1234678-HpCDF	41.57	5.71E+07	0.44	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.44	5.46E+07	0.46	Y	0.89	1.03	16%
ES OCDF	46.85	1.15E+08	0.89	Y	1.00	1.09	9%

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 12:22 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PA		UTP: 19-Jul-2013 13:26 MDC			Checkcode: 203-430		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-01		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	27.23	6.51E+07	0.79	Y	-	-	-
JS 1234-TCDF	25.50	9.80E+07	0.78	Y	-	-	-
JS 123467-HxCDD	39.08	2.64E+07	1.18	Y	-	-	-
CS 37C1-2378-TCDD	27.99	7.47E+06	n/a	-	1.10	1.15	4%
CS 12347-PeCDD	33.55	6.13E+07	1.59	Y	0.79	0.94	19%
CS 12346-PeCDF	31.82	9.55E+07	1.53	Y	0.87	0.97	12%
CS 123469-HxCDF	38.11	6.79E+07	0.53	Y	1.21	1.28	6%
CS 1234689-HpCDF	42.10	5.80E+07	0.45	Y	0.89	1.10	23%
SS 37C1-2378-TCDD	27.99	7.47E+06	n/a	-	1.09	1.12	2%
SS 12347-PeCDD	33.55	6.13E+07	1.59	Y	0.89	1.00	12%
SS 12346-PeCDF	31.82	9.55E+07	1.53	Y	0.99	1.04	6%
SS 123469-HxCDF	38.11	6.79E+07	0.53	Y	0.87	0.85	-1%
SS 1234689-HpCDF	42.10	5.80E+07	0.45	Y	0.87	1.02	17%
AS 1368-TCDD	23.95	6.52E+07	0.81	Y	1.00	1.00	0%
AS 1368-TCDF	21.75	1.17E+08	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	28.33	8.05E+07	0.80	Y	1.18	1.20	2%
FS 12478-PeCDD	32.71	6.74E+07	1.58	Y	1.07	1.10	3%
FS 123468-HxCDD	37.50	6.82E+07	1.21	Y	1.29	1.25	-3%
FS 1234679-HpCDD	41.91	6.37E+07	1.05	Y	1.18	1.15	-3%
TS 1378-TCDD	26.12	7.35E+07	0.80	Y	1.12	1.10	-2%
OCDD-a	46.61	2.81E+06	2.38	Y	0.07	0.07	-1%
OCDF-a	46.86	3.68E+06	2.67	Y	0.06	0.06	4%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-01 Analysis Date: 18-JUL-2013 12:22:07

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	10.6	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	51.7	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	51.7	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	52.7	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.25	1.05 - 1.43	Y	52.1	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88 - 1.20	Y	50.9	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	102	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.79	0.65 - 0.89	Y	10.6	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	52.9	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32 - 1.78	Y	53.7	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.7	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	52.2	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	52.9	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	50.9	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	51.4	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	106	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-01 Analysis Date: 18-JUL-2013 12:22:07

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	102	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.63	1.32 - 1.78	Y	105	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	104	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	96.6	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	105	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88 - 1.20	Y	116	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	218	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.76	0.65 - 0.89	Y	100	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	106	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	105	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	107	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	109	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	109	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.44	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	116	77 - 129	Y
13C-OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	218	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.4	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	119	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	112	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	106	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	123	70 - 130	Y

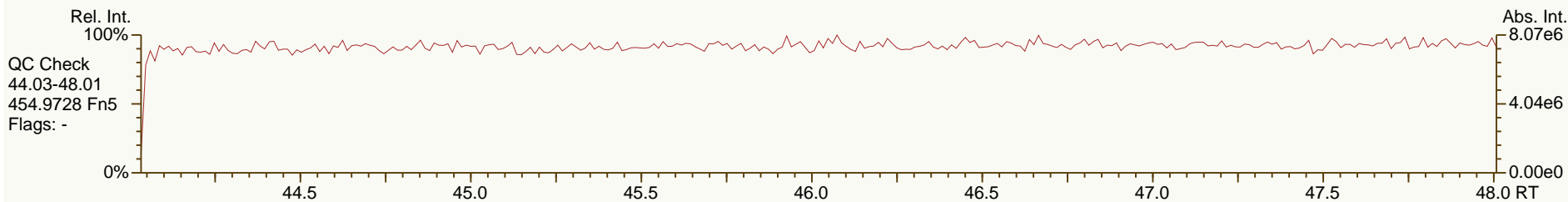
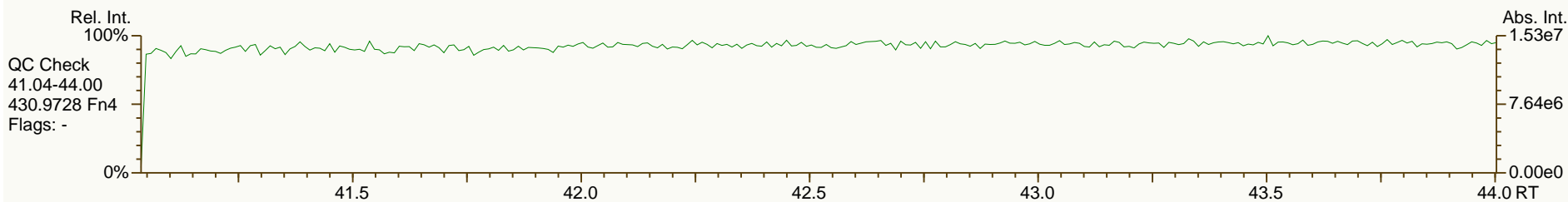
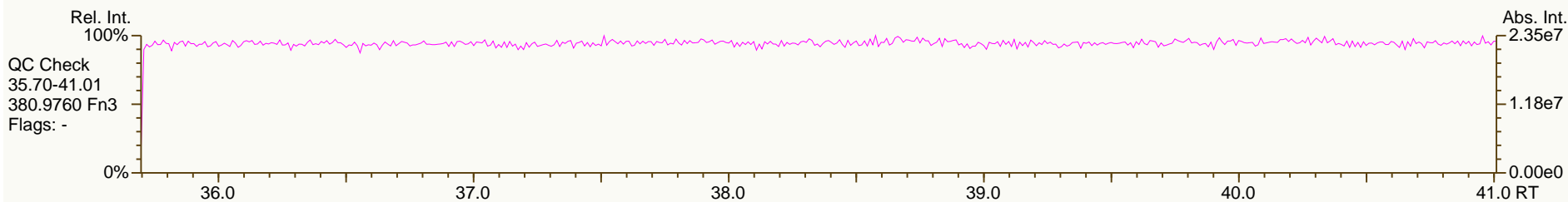
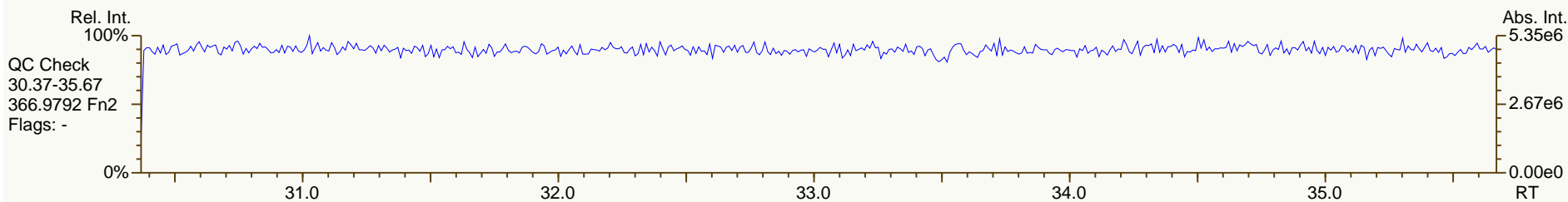
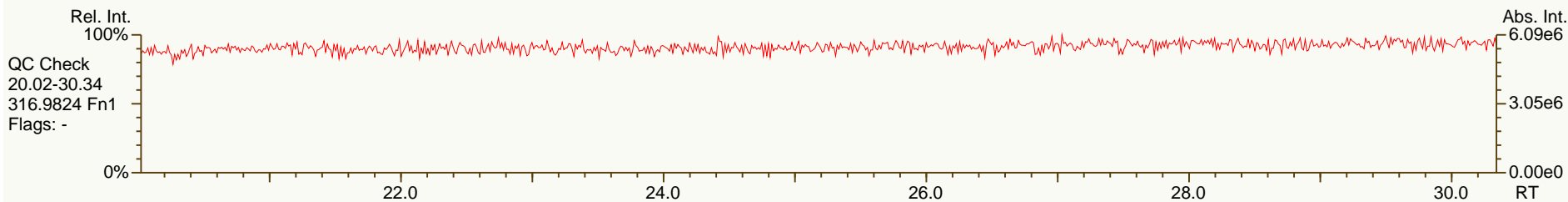
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Analyst: MC

SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

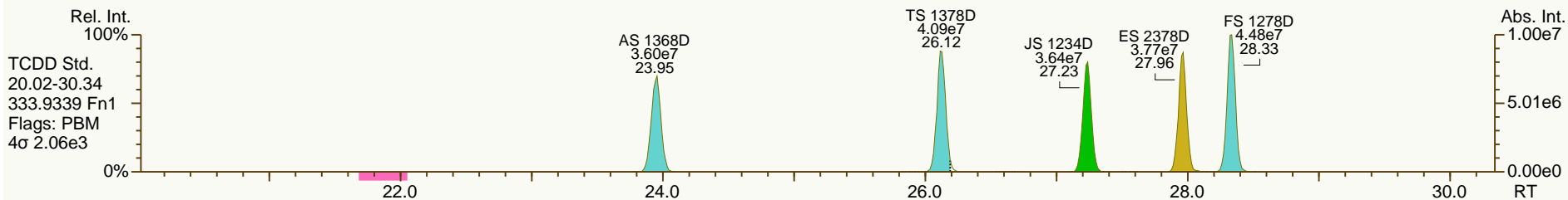
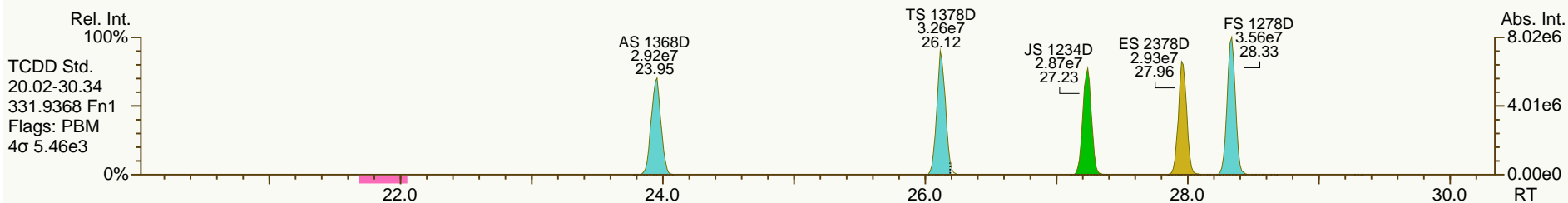
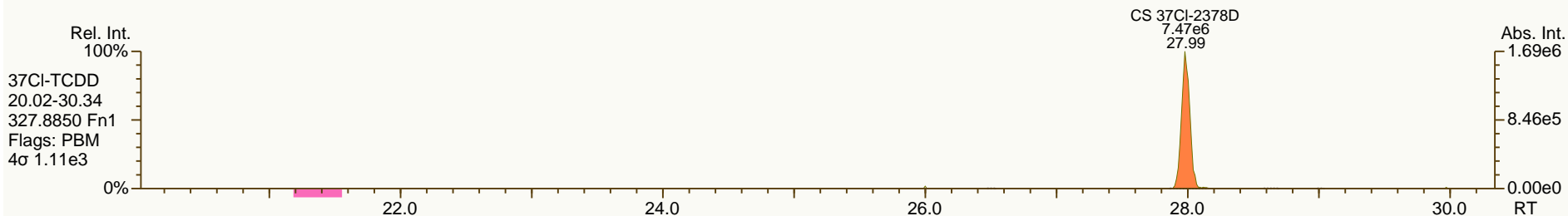
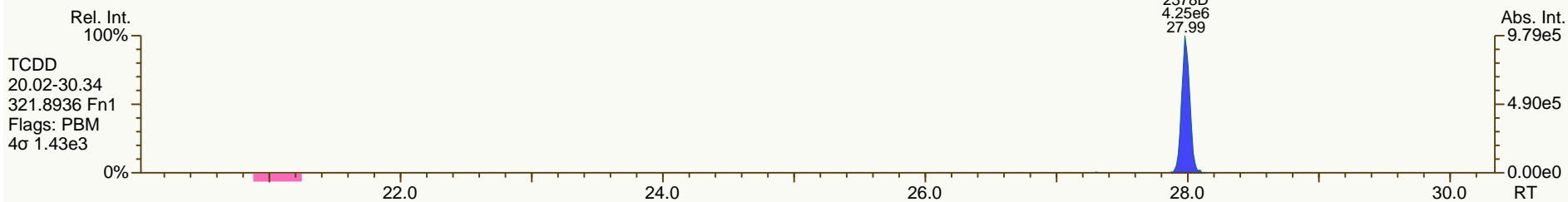
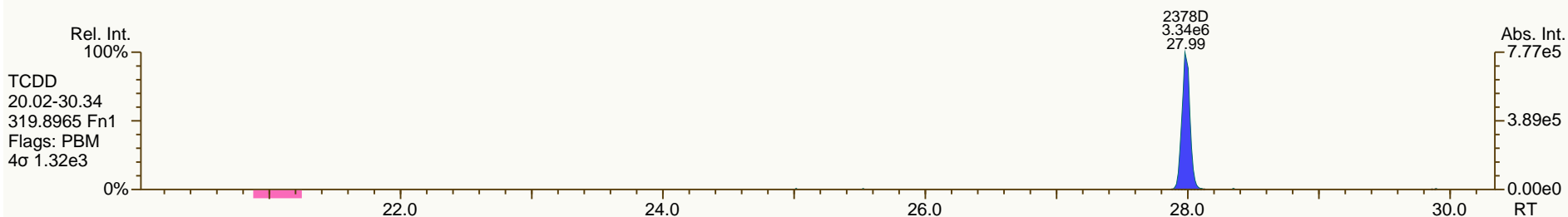
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

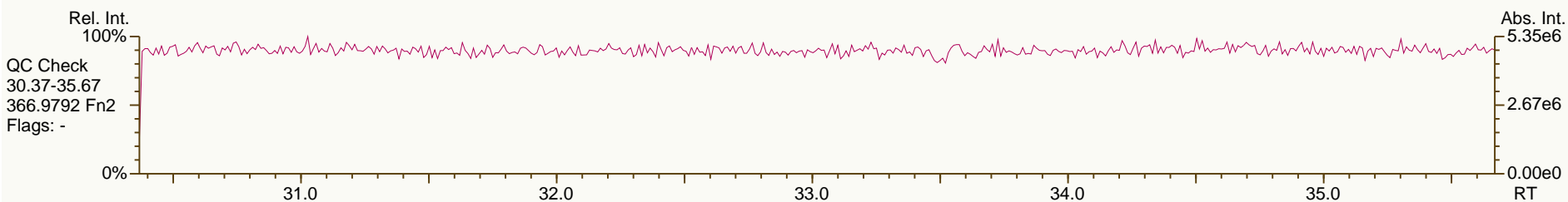
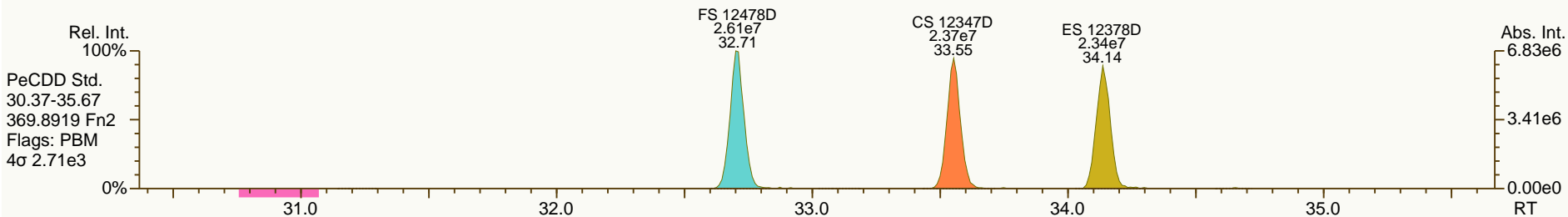
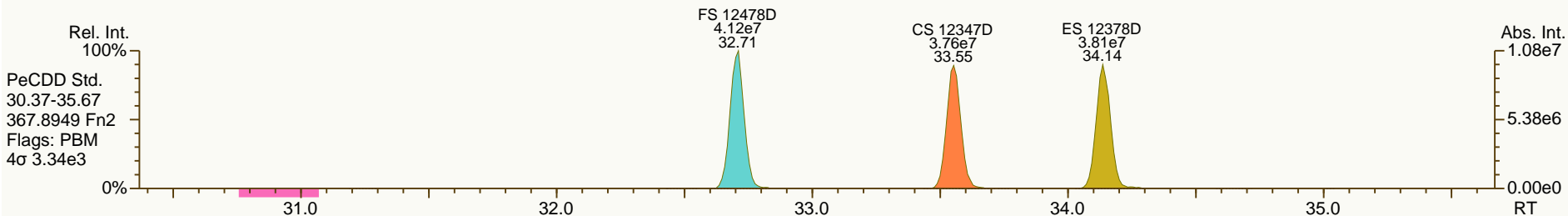
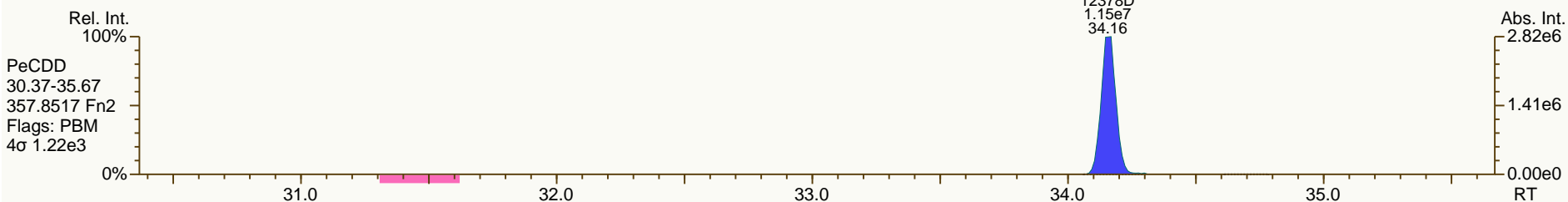
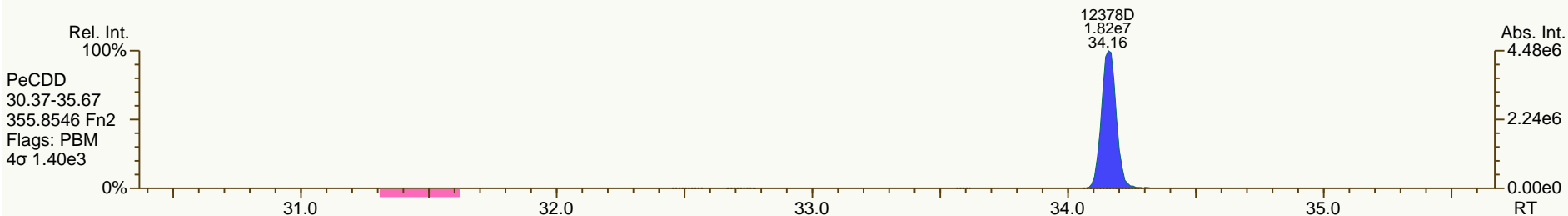
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

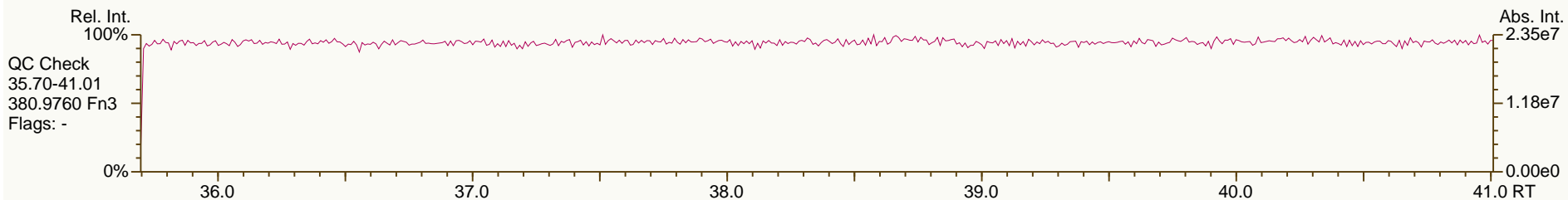
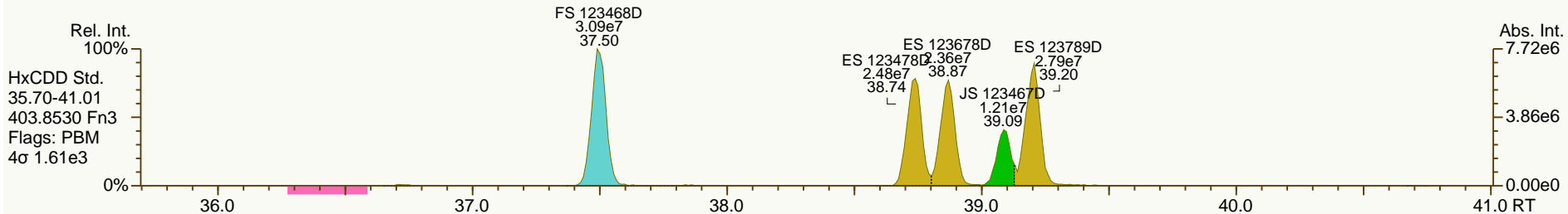
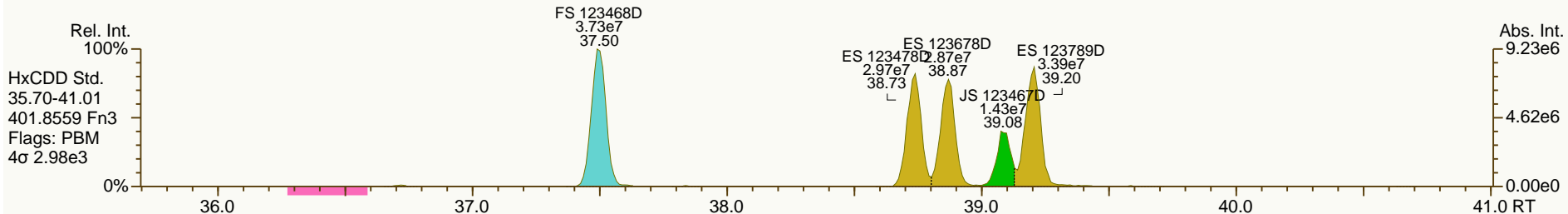
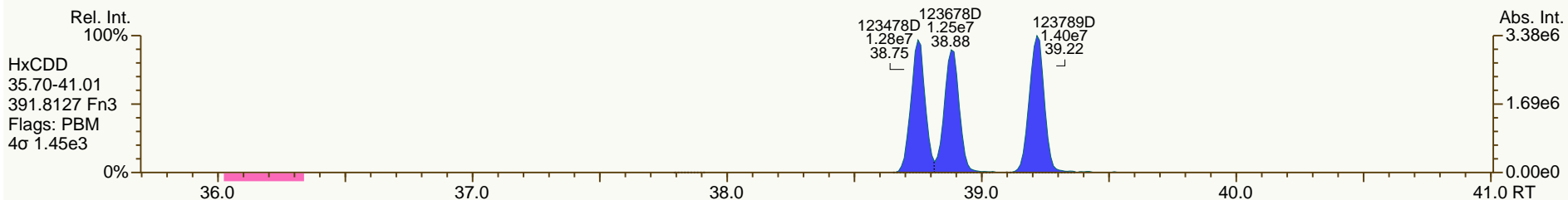
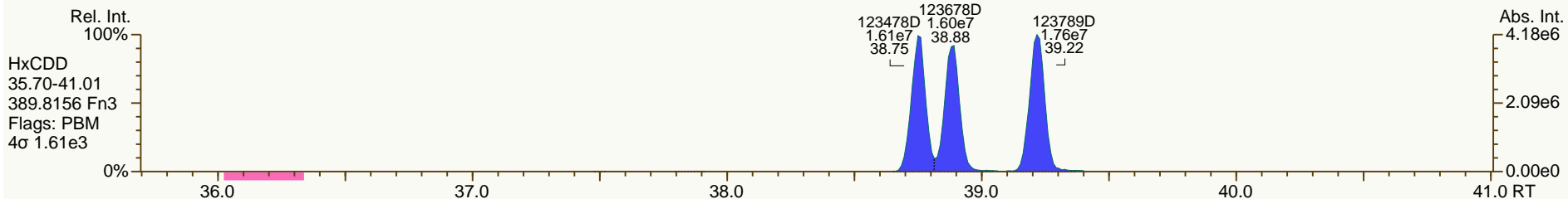
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

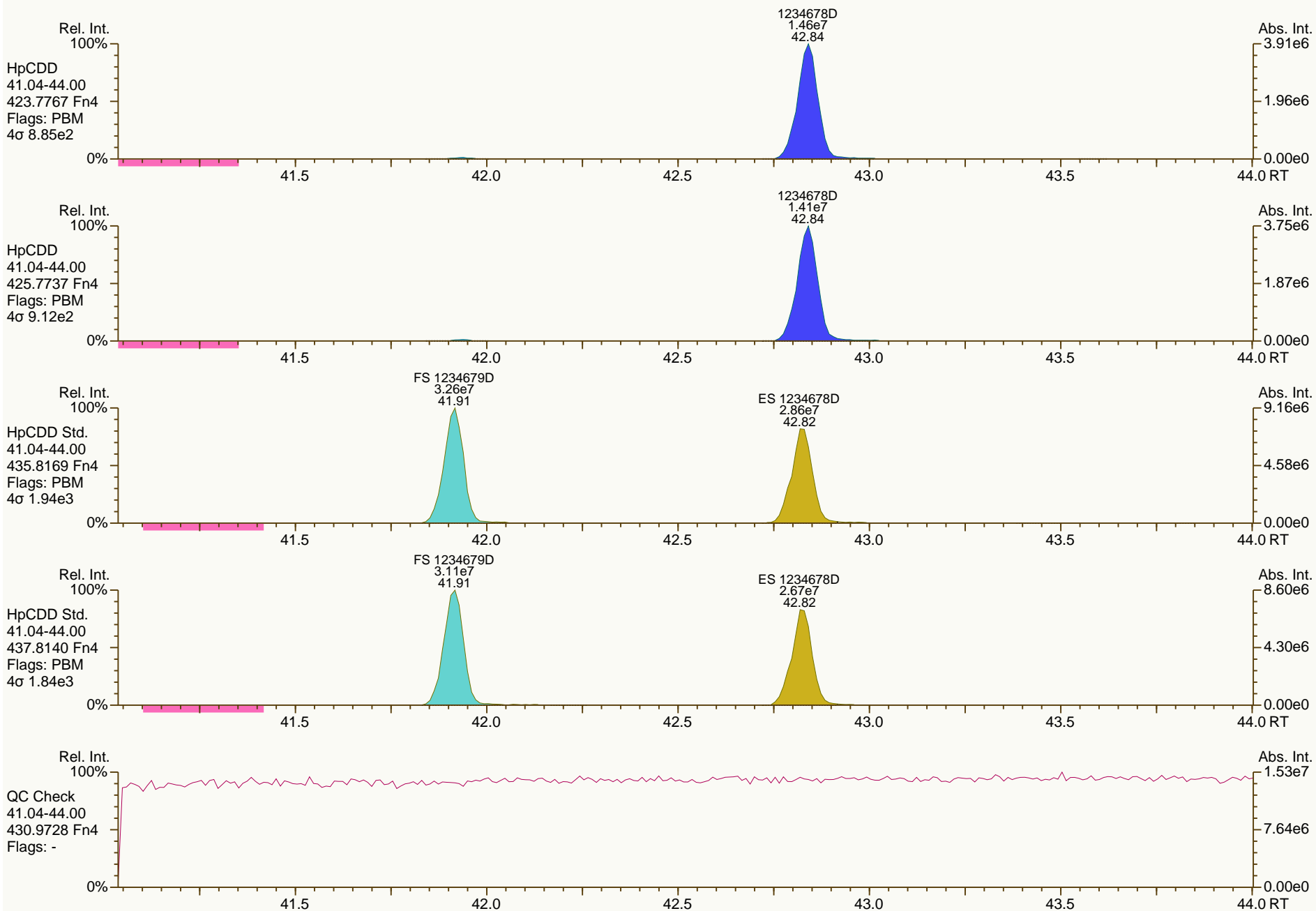
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

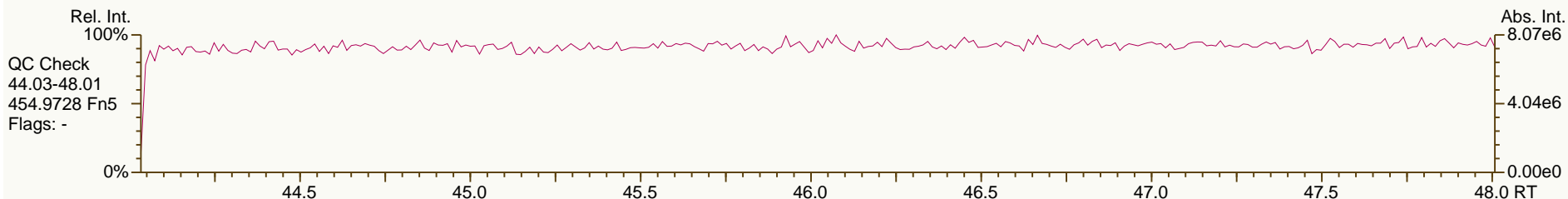
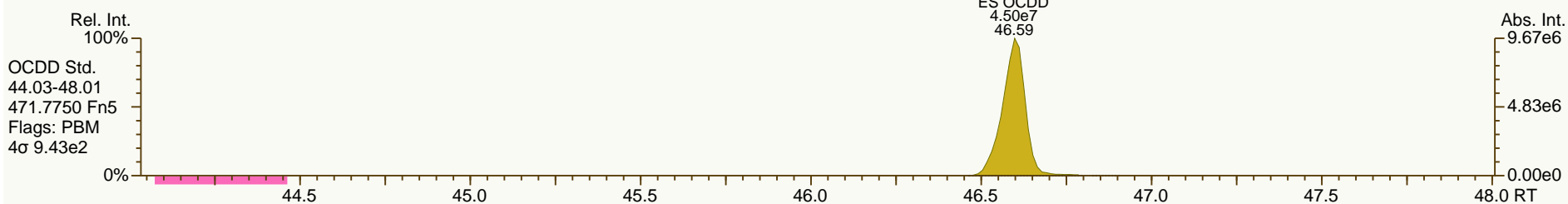
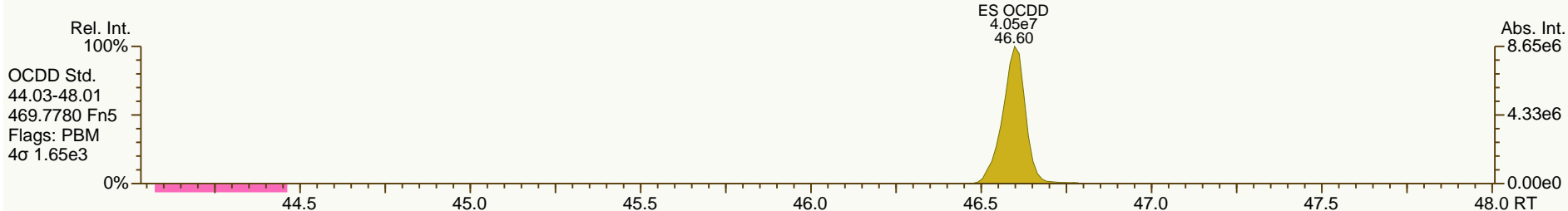
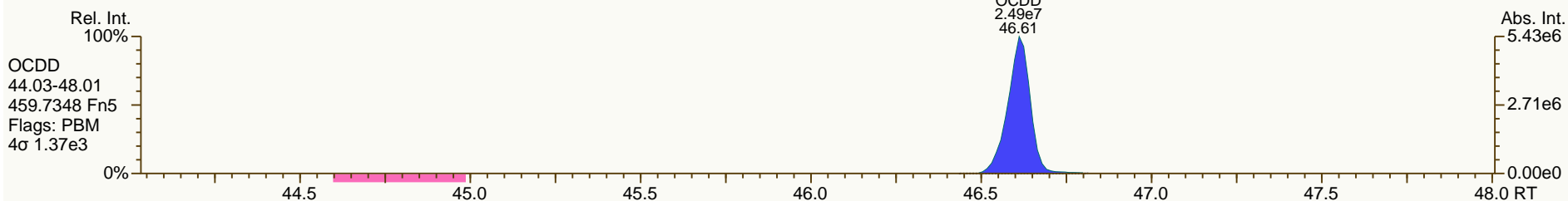
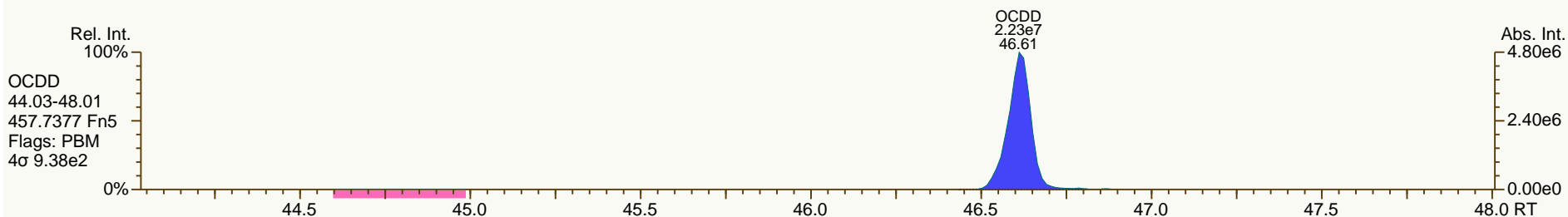
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

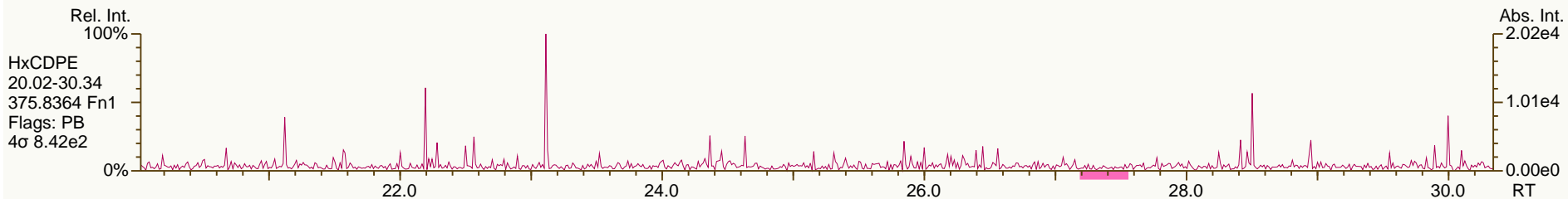
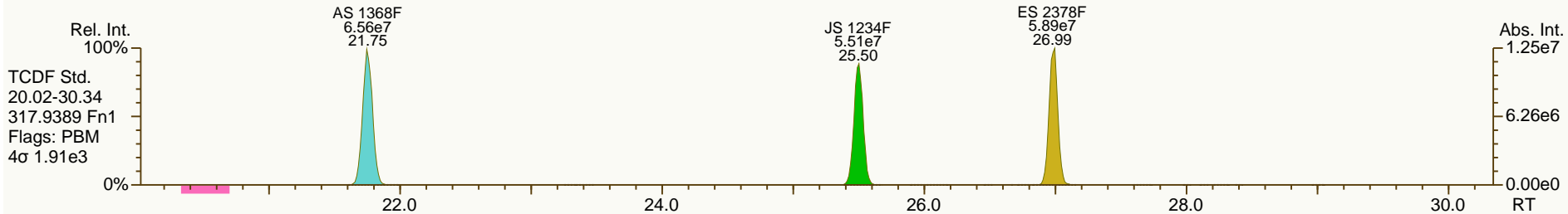
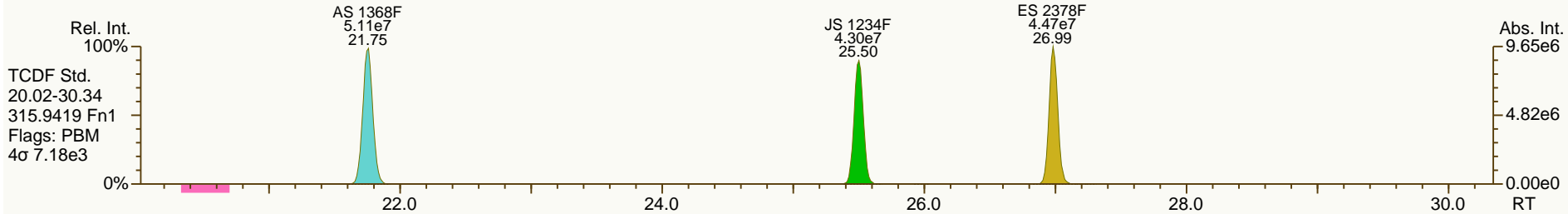
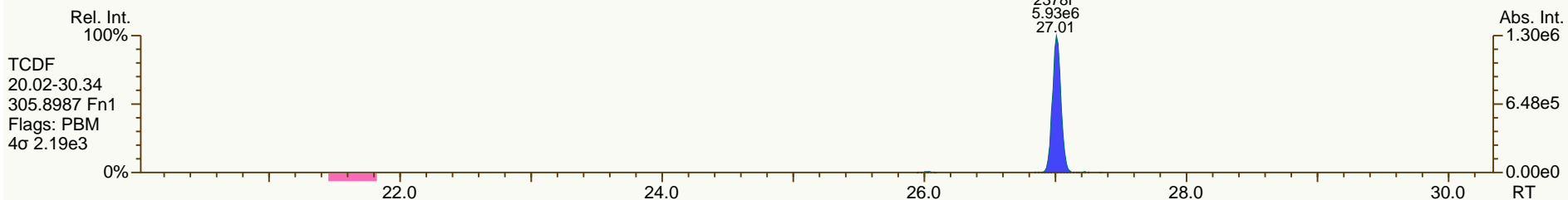
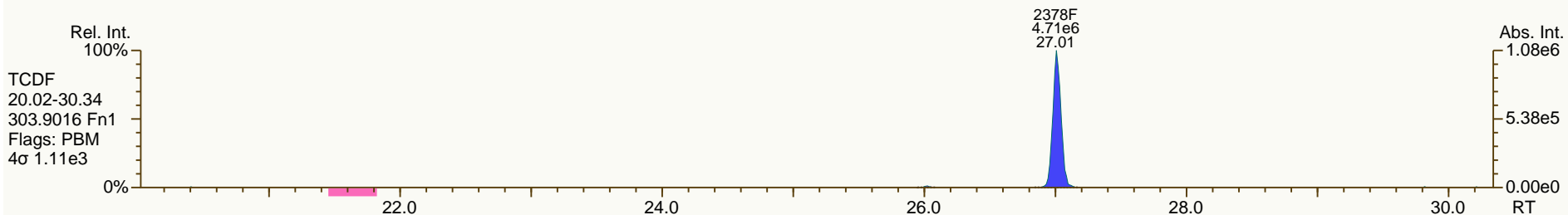
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

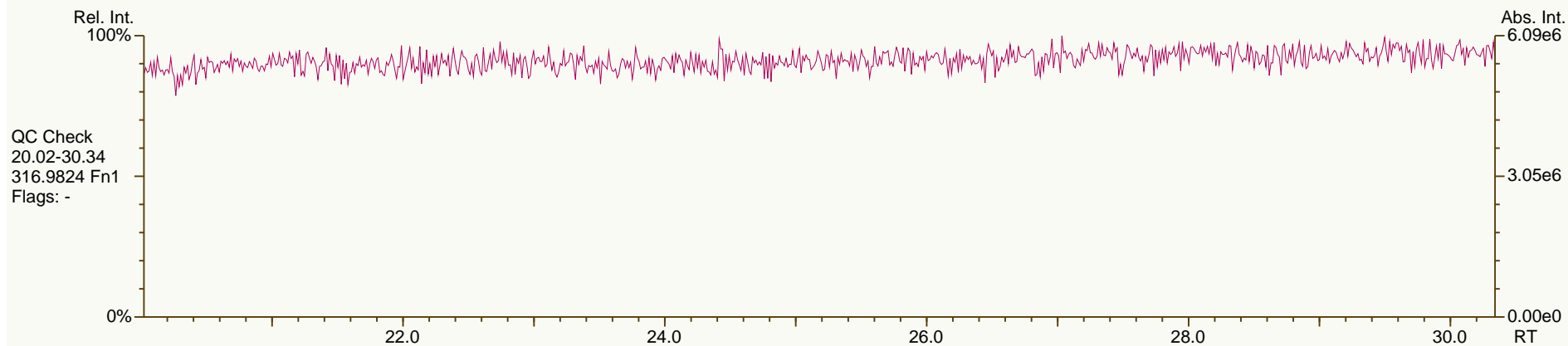
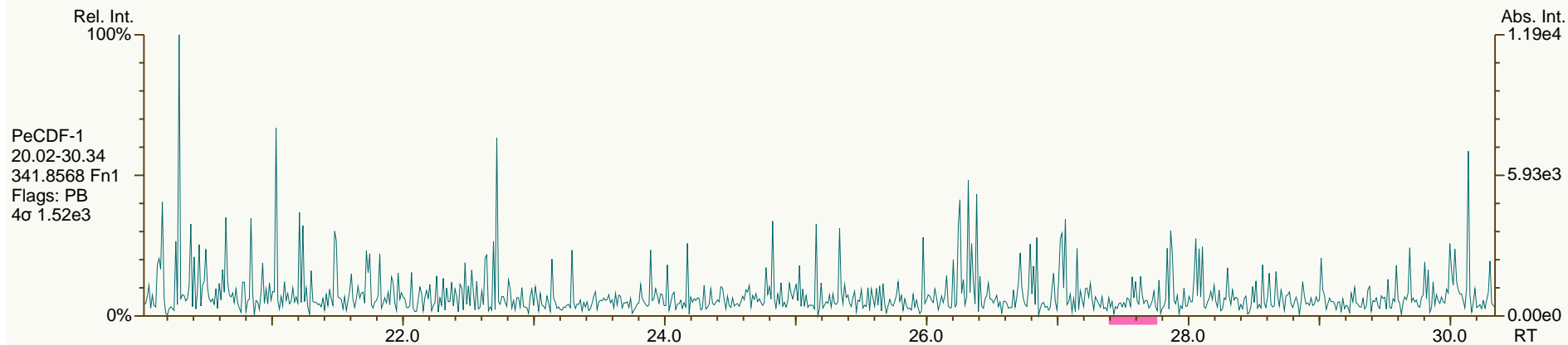
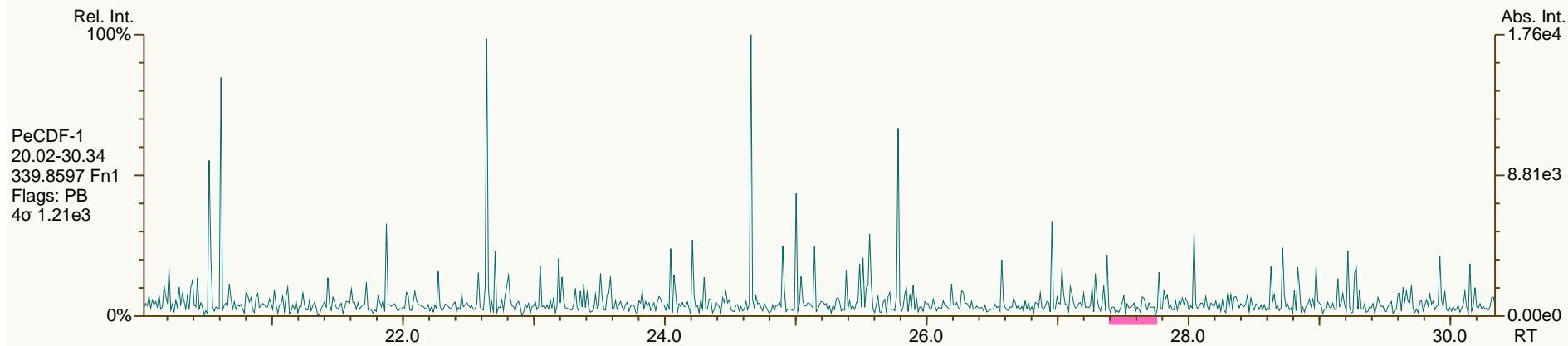
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SGS-AP ID: CS3_PA
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

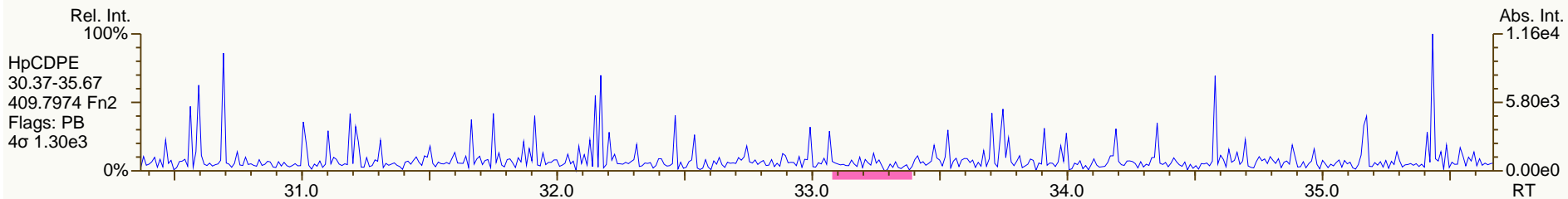
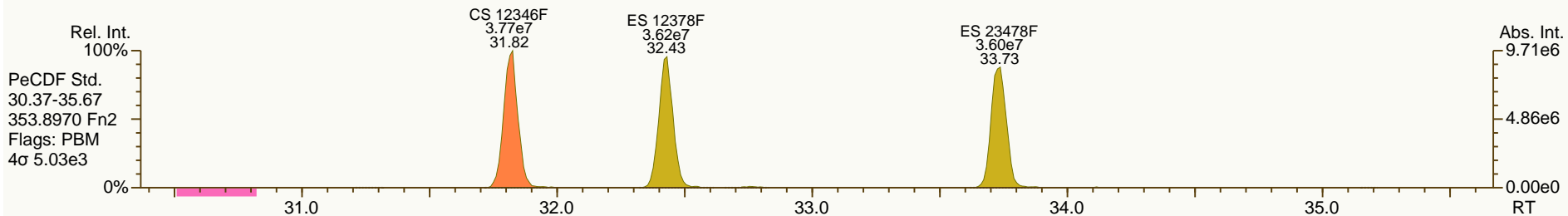
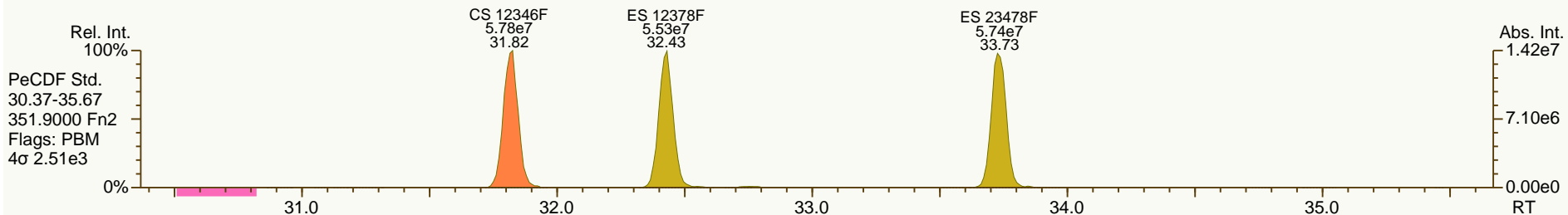
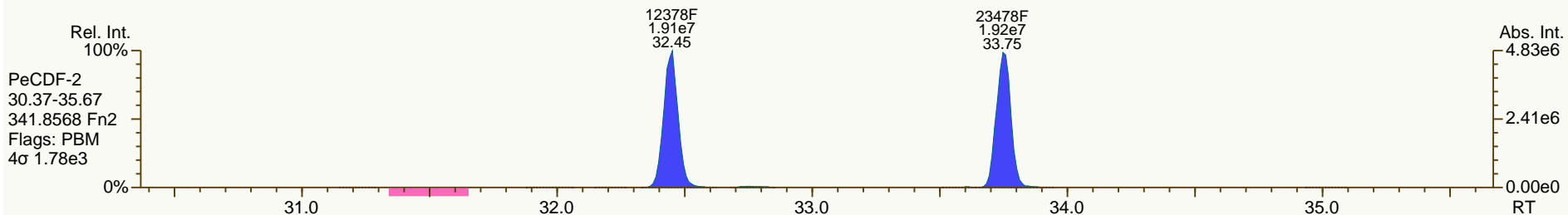
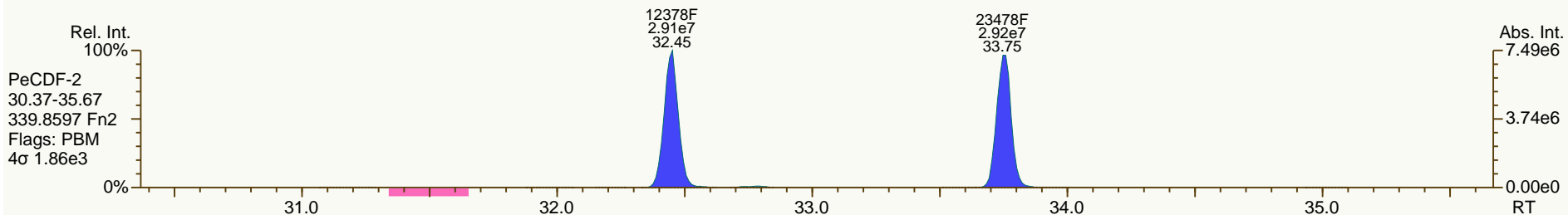
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SGS-AP ID: CS3_PA
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

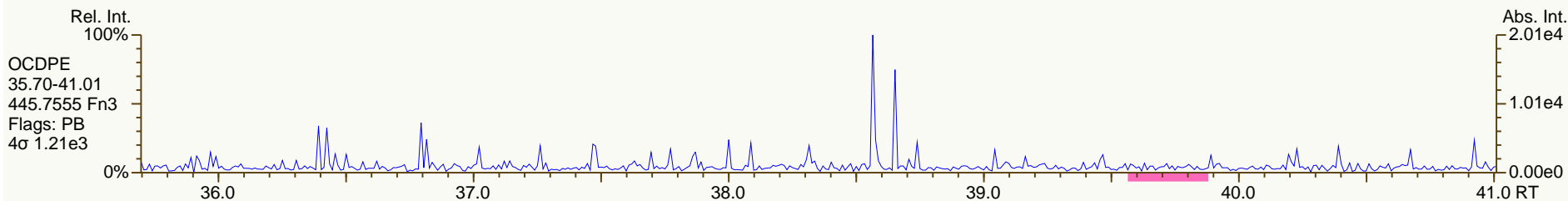
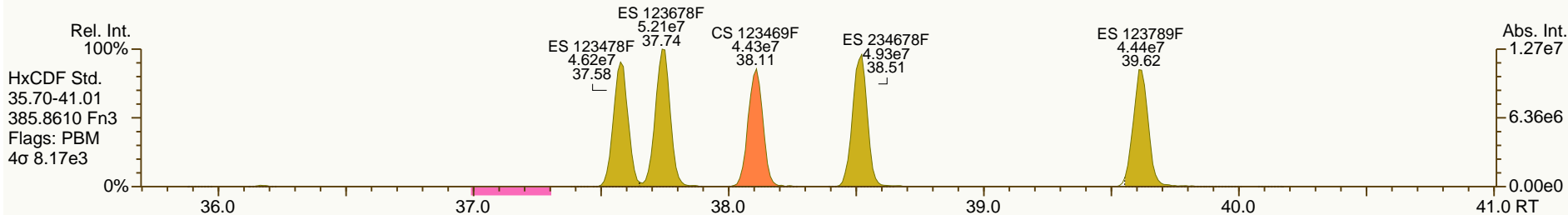
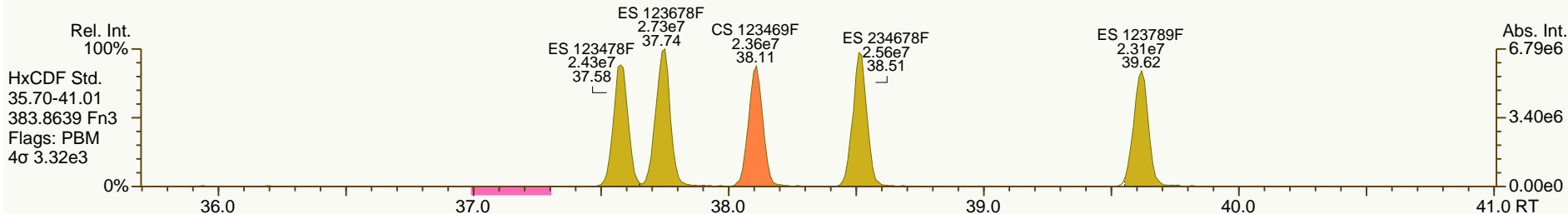
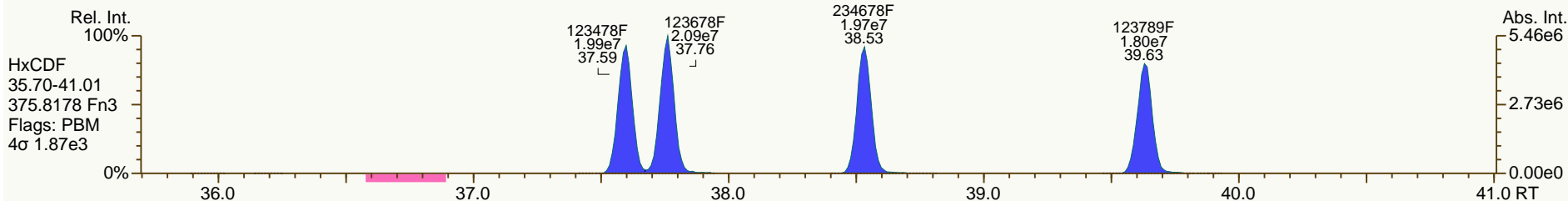
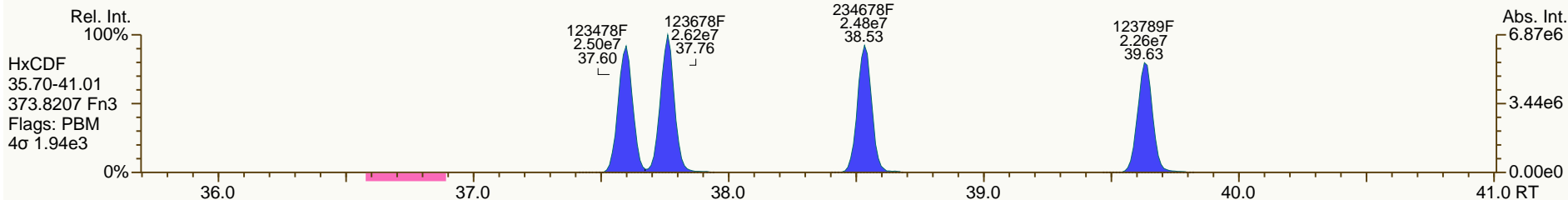
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

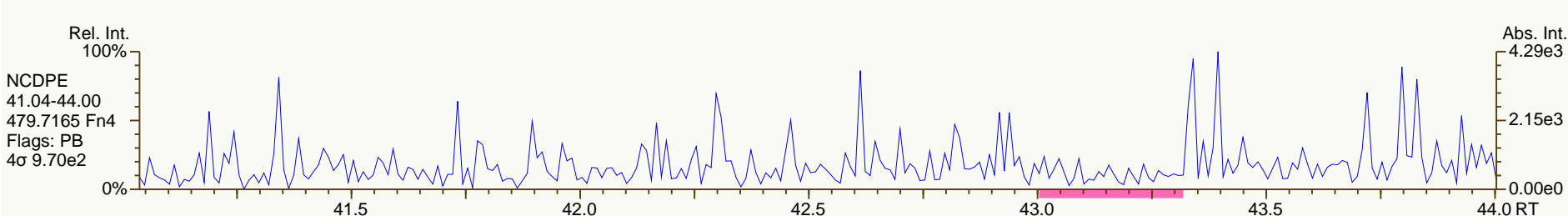
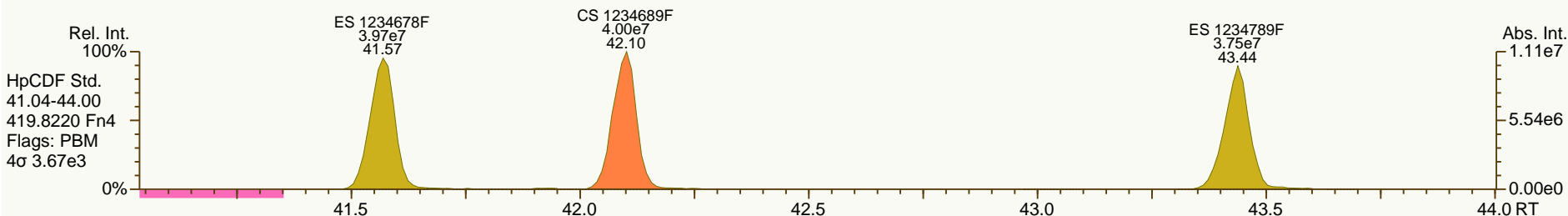
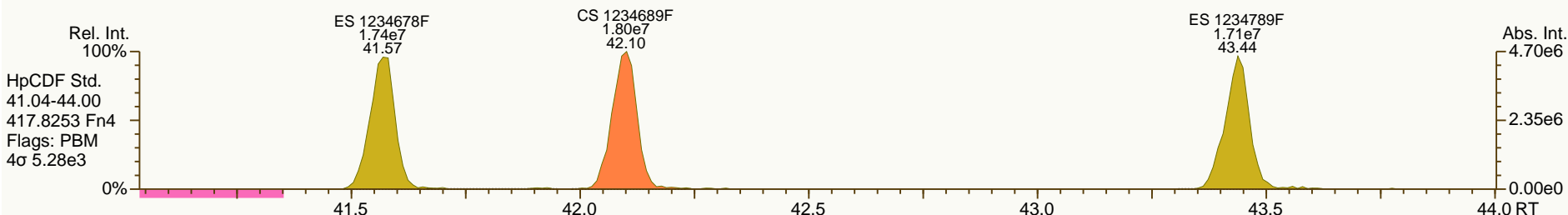
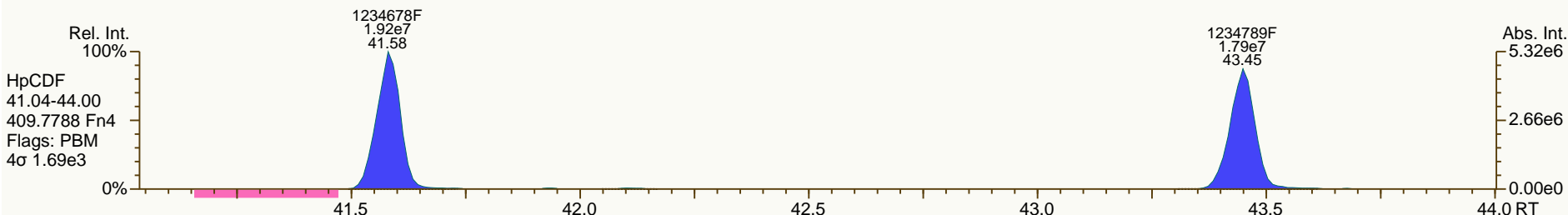
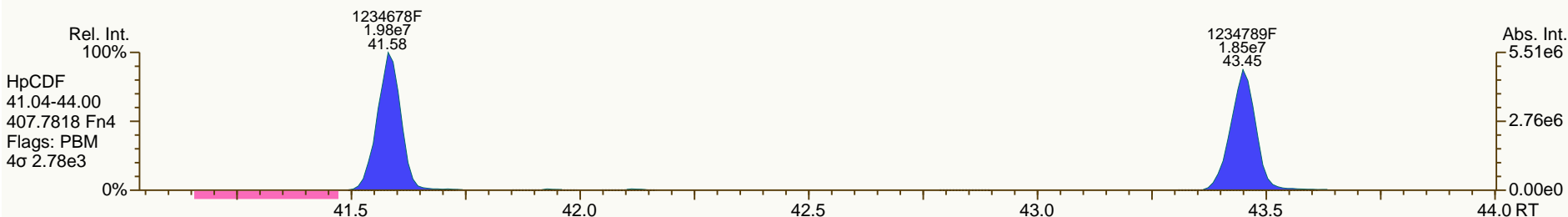
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SGS-AP ID: CS3_PA
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

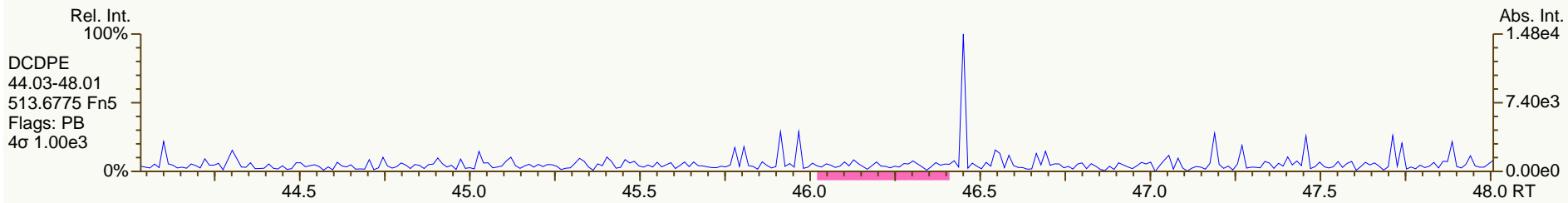
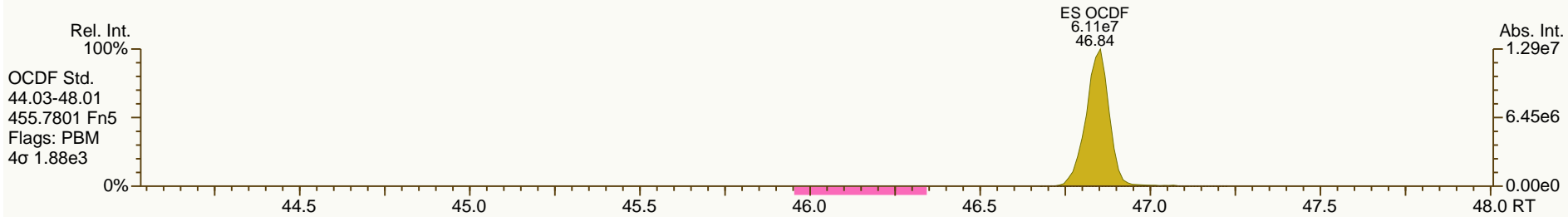
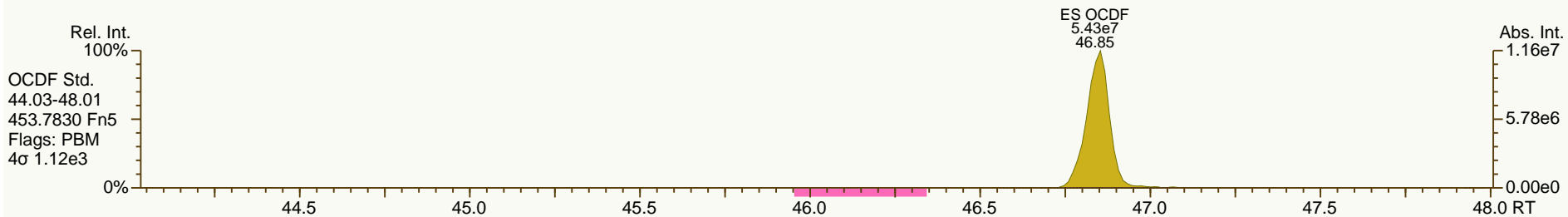
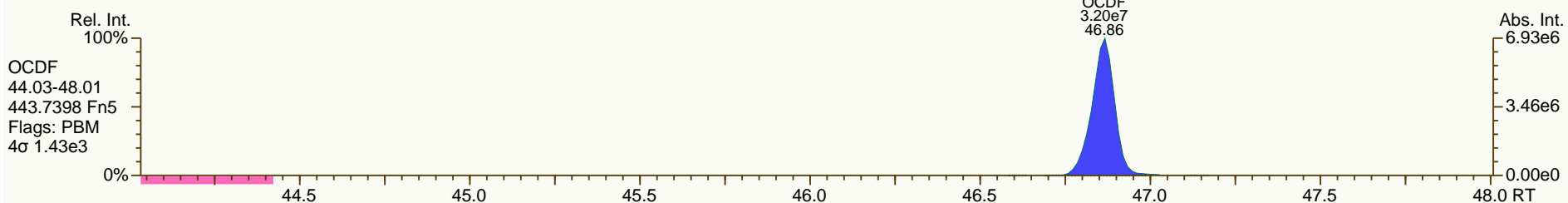
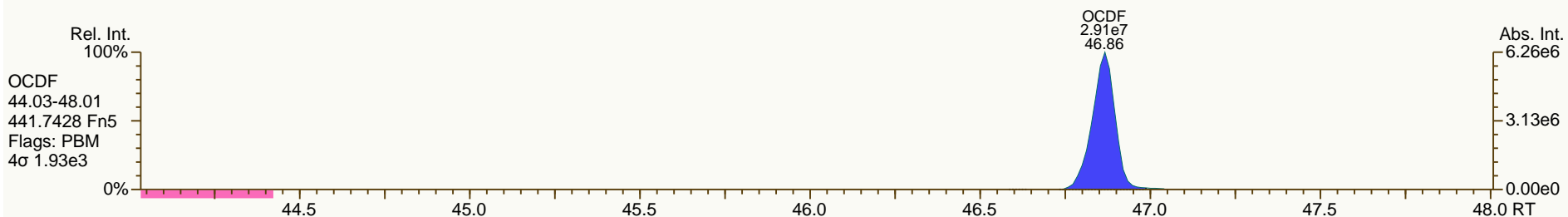
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SGS-AP ID: CS3_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

Acq: 18-JUL-2013 12:22:07
 User: MDC Datafile: 130718P1-01



Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 21:07 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PB		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 528-553-JZY		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-11		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.96	8.01E+06	0.78	Y	1.06	1.15	8%
12378-PeCDD	34.14	2.73E+07	1.60	Y	0.94	0.92	-2%
123478-HxCDD	38.75	3.03E+07	1.26	Y	1.02	1.10	7%
123678-HxCDD	38.88	2.87E+07	1.27	Y	1.04	1.11	7%
123789-HxCDD	39.22	3.13E+07	1.24	Y	0.98	1.03	5%
1234678-HpCDD	42.86	2.90E+07	1.03	Y	1.02	1.04	2%
OCDD	46.66	4.83E+07	0.90	Y	1.08	1.14	5%
2378-TCDF	26.98	1.16E+07	0.78	Y	0.97	1.08	11%
12378-PeCDF	32.43	4.83E+07	1.50	Y	1.00	1.06	7%
23478-PeCDF	33.73	4.77E+07	1.49	Y	0.96	1.02	5%
123478-HxCDF	37.59	4.57E+07	1.27	Y	1.23	1.28	4%
123678-HxCDF	37.75	4.78E+07	1.25	Y	1.14	1.19	5%
234678-HxCDF	38.53	4.46E+07	1.26	Y	1.14	1.17	2%
123789-HxCDF	39.63	4.19E+07	1.26	Y	1.13	1.15	2%
1234678-HpCDF	41.59	4.05E+07	1.03	Y	1.34	1.34	0%
1234789-HpCDF	43.47	3.68E+07	1.04	Y	1.30	1.33	2%
OCDF	46.91	6.22E+07	0.92	Y	1.00	1.06	6%
ES 2378-TCDD	27.93	6.96E+07	0.79	Y	1.01	1.06	5%
ES 12378-PeCDD	34.12	5.93E+07	1.56	Y	0.90	0.90	1%
ES 123478-HxCDD	38.73	5.53E+07	1.21	Y	0.99	0.99	0%
ES 123678-HxCDD	38.86	5.20E+07	1.20	Y	1.02	0.93	-9%
ES 123789-HxCDD	39.20	6.09E+07	1.23	Y	1.12	1.09	-2%
ES 1234678-HpCDD	42.84	5.58E+07	1.07	Y	0.90	1.00	10%
ES OCDD	46.64	8.50E+07	0.90	Y	0.74	0.76	3%
ES 2378-TCDF	26.96	1.08E+08	0.73	Y	1.05	1.05	0%
ES 12378-PeCDF	32.41	9.09E+07	1.59	Y	0.88	0.89	1%
ES 23478-PeCDF	33.71	9.39E+07	1.60	Y	0.91	0.92	1%
ES 123478-HxCDF	37.57	7.13E+07	0.53	Y	1.25	1.28	2%
ES 123678-HxCDF	37.73	8.04E+07	0.53	Y	1.40	1.44	3%
ES 234678-HxCDF	38.51	7.64E+07	0.54	Y	1.29	1.37	6%
ES 123789-HxCDF	39.62	7.27E+07	0.54	Y	1.17	1.30	12%
ES 1234678-HpCDF	41.58	6.06E+07	0.46	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.46	5.54E+07	0.45	Y	0.89	0.99	12%
ES OCDF	46.89	1.17E+08	0.91	Y	1.00	1.05	4%

Dioxin/Furan QC Summary		Acq'd: 18 Jul 2013 21:07 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PB		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 528-553		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P1-11		
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JS 1234-TCDD	27.21	6.57E+07	0.79	Y	-	-	-
JS 1234-TCDF	25.47	1.03E+08	0.78	Y	-	-	-
JS 123467-HxCDD	39.08	2.80E+07	1.21	Y	-	-	-
CS 37C1-2378-TCDD	27.96	7.55E+06	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	33.54	6.25E+07	1.58	Y	0.79	0.95	20%
CS 12346-PeCDF	31.80	9.63E+07	1.63	Y	0.87	0.94	8%
CS 123469-HxCDF	38.10	6.95E+07	0.52	Y	1.21	1.24	3%
CS 1234689-HpCDF	42.11	5.67E+07	0.45	Y	0.89	1.01	13%
SS 37C1-2378-TCDD	27.96	7.55E+06	n/a	-	1.09	1.08	0%
SS 12347-PeCDD	33.54	6.25E+07	1.58	Y	0.89	1.05	19%
SS 12346-PeCDF	31.80	9.63E+07	1.63	Y	0.99	1.06	7%
SS 123469-HxCDF	38.10	6.95E+07	0.52	Y	0.87	0.87	0%
SS 1234689-HpCDF	42.11	5.67E+07	0.45	Y	0.87	0.94	7%
AS 1368-TCDD	23.91	6.74E+07	0.79	Y	1.00	1.03	3%
AS 1368-TCDF	21.72	1.23E+08	0.75	Y	1.20	1.20	0%
FS 1278-TCDD	28.31	8.29E+07	0.78	Y	1.18	1.19	1%
FS 12478-PeCDD	32.69	6.72E+07	1.60	Y	1.07	1.13	6%
FS 123468-HxCDD	37.49	6.91E+07	1.24	Y	1.29	1.25	-3%
FS 1234679-HpCDD	41.93	6.45E+07	1.07	Y	1.18	1.16	-2%
TS 1378-TCDD	26.09	7.77E+07	0.78	Y	1.12	1.12	0%
OCDD-a	46.65	3.00E+06	2.44	Y	0.07	0.07	6%
OCDF-a	46.91	3.74E+06	2.54	Y	0.06	0.06	5%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-11 Analysis Date: 18-JUL-2013 21:07:57

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.78	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	49.2	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05 - 1.43	Y	53.5	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	53.3	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05 - 1.43	Y	52.3	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88 - 1.20	Y	50.9	43 - 58	Y
OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	105	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.78	0.65 - 0.89	Y	11.1	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.50	1.32 - 1.78	Y	53.3	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.49	1.32 - 1.78	Y	52.6	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05 - 1.43	Y	52	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	52.4	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	51	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	50.8	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	49.8	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51.2	43 - 58	Y
OCDF	M+2/M+4	0.92	0.76 - 1.02	Y	106	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-11 Analysis Date: 18-JUL-2013 21:07:57

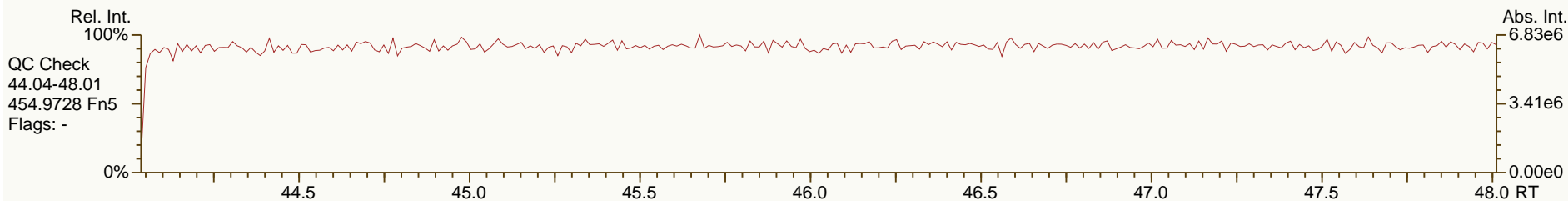
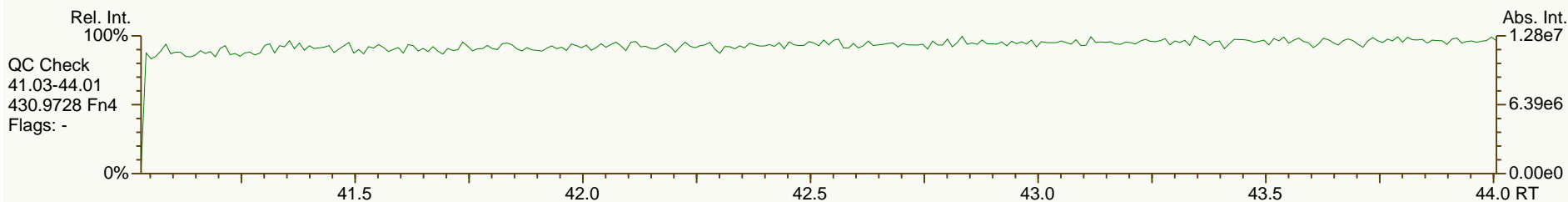
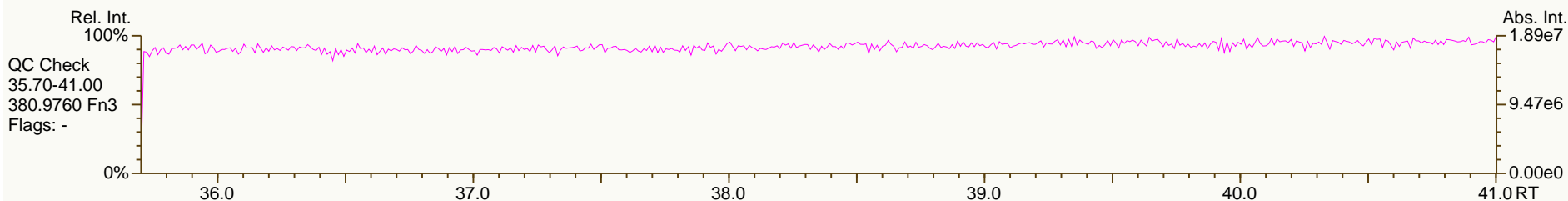
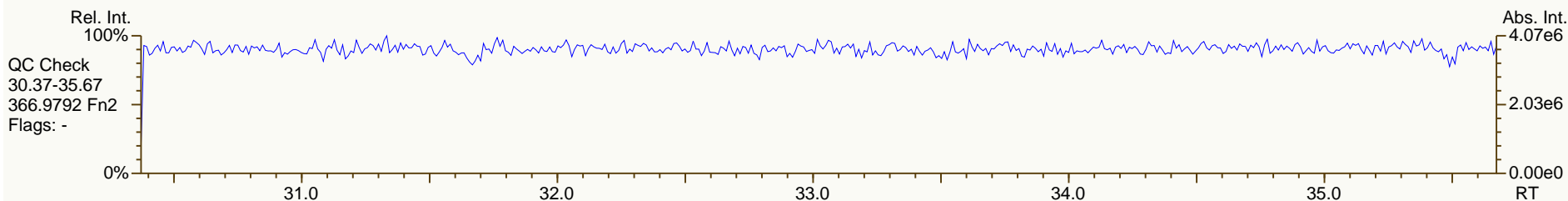
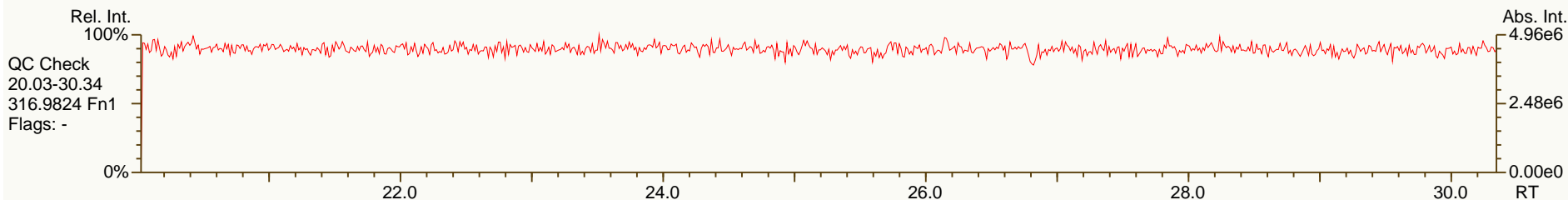
LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.79	0.65 - 0.89	Y	105	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.56	1.32 - 1.78	Y	101	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.21	1.05 - 1.43	Y	99.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.20	1.05 - 1.43	Y	90.8	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.23	1.05 - 1.43	Y	97.7	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88 - 1.20	Y	110	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	205	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.73	0.65 - 0.89	Y	99.6	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.59	1.32 - 1.78	Y	101	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.60	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	102	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	103	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	106	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	112	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.46	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	112	77 - 129	Y
13C-OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	209	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.5	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.58	1.32 - 1.78	Y	120	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.63	1.32 - 1.78	Y	108	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.52	0.43 - 0.59	Y	103	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.45	0.37 - 0.51	Y	113	70 - 130	Y

Processed: 20 Jul 2013 09:56 Analyst: MC

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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

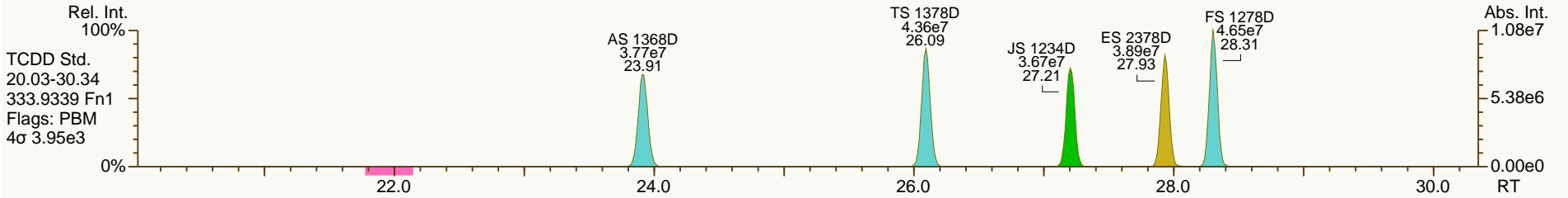
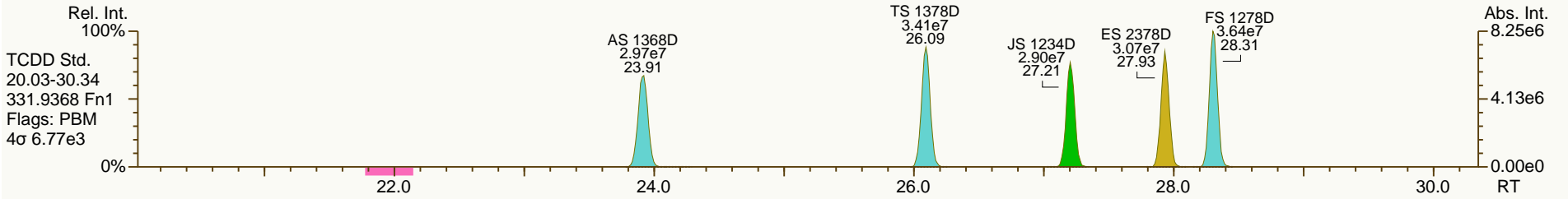
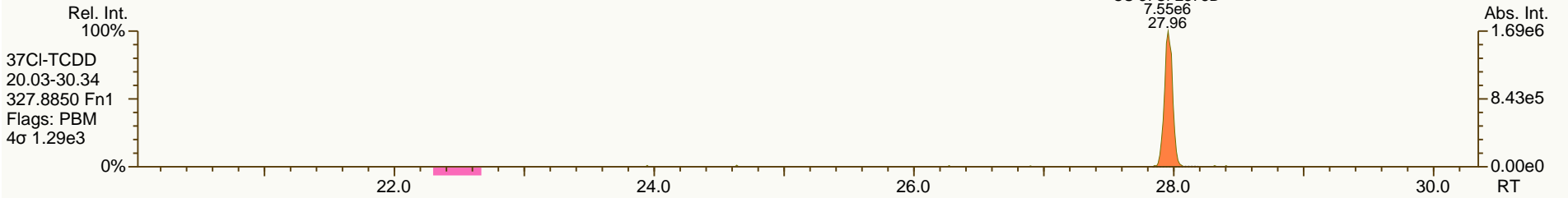
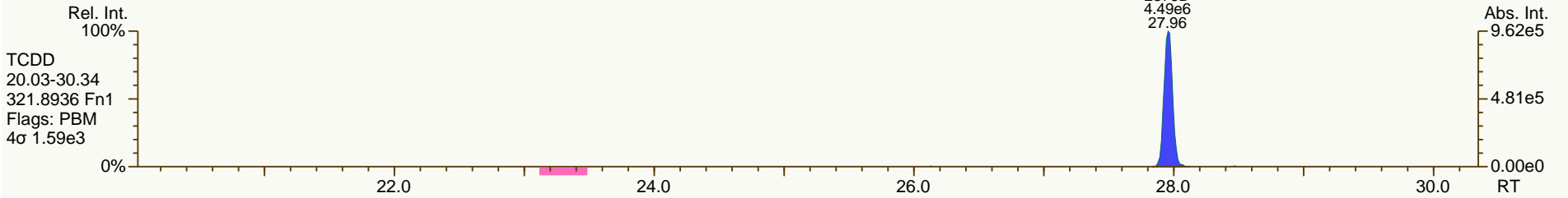
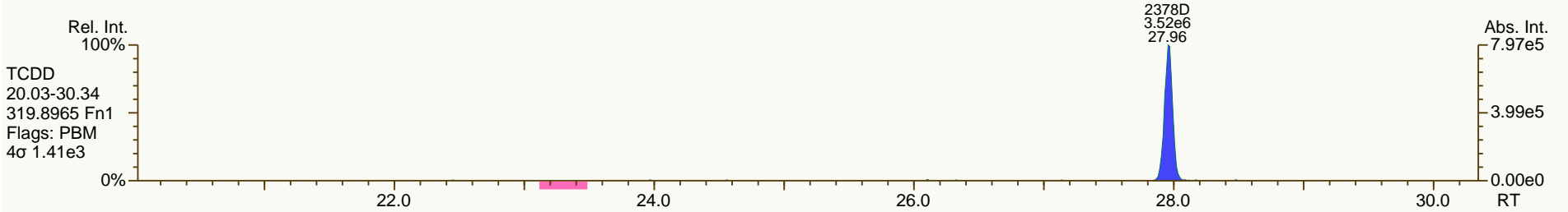
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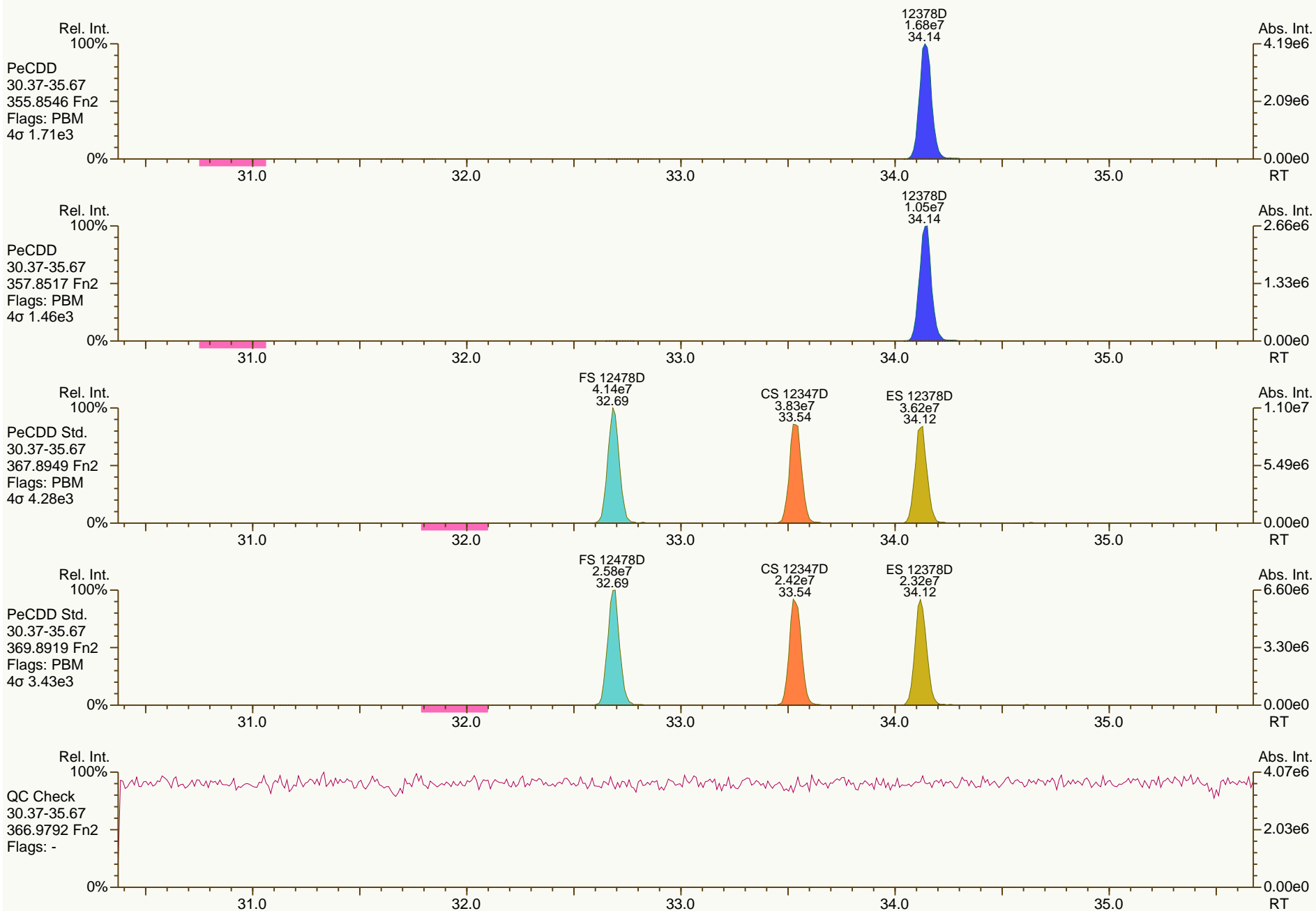
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

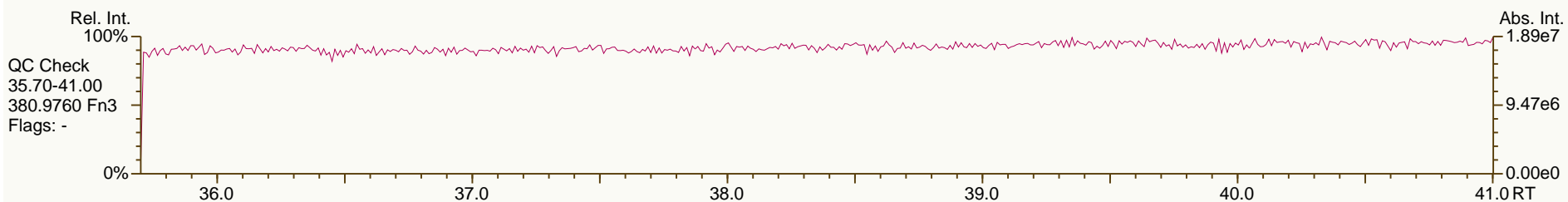
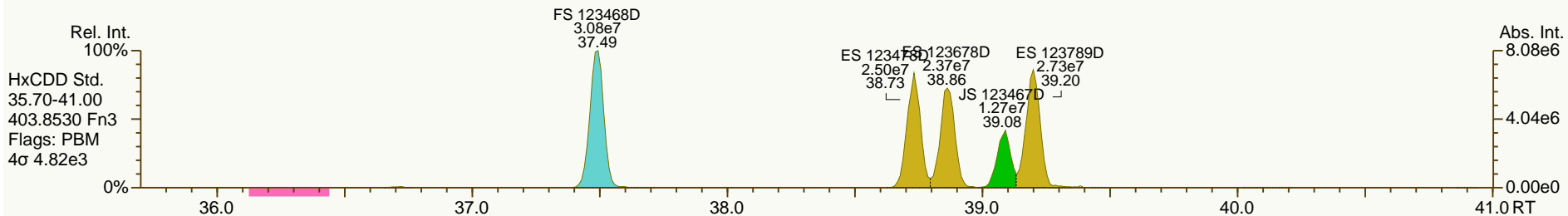
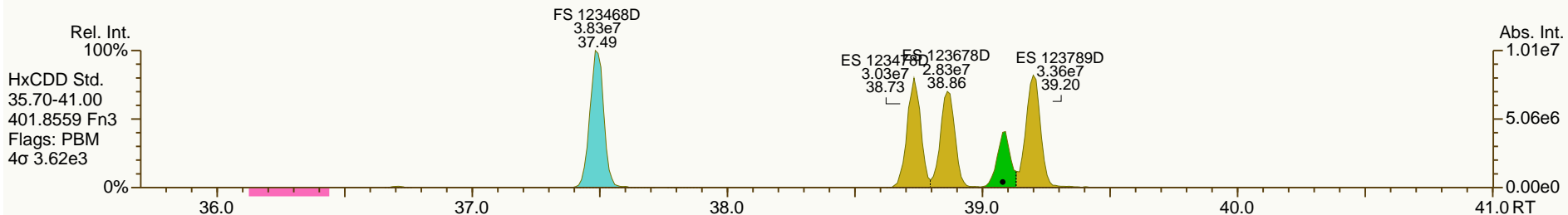
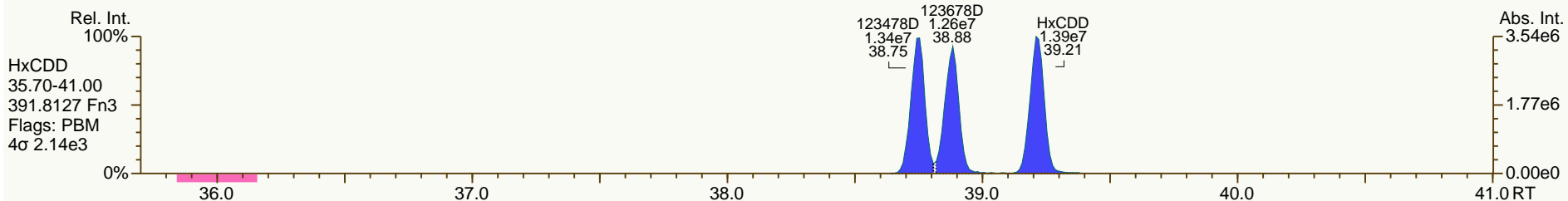
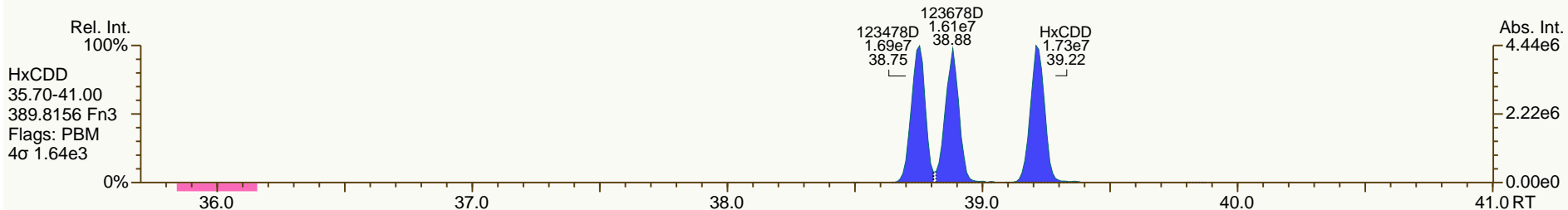
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

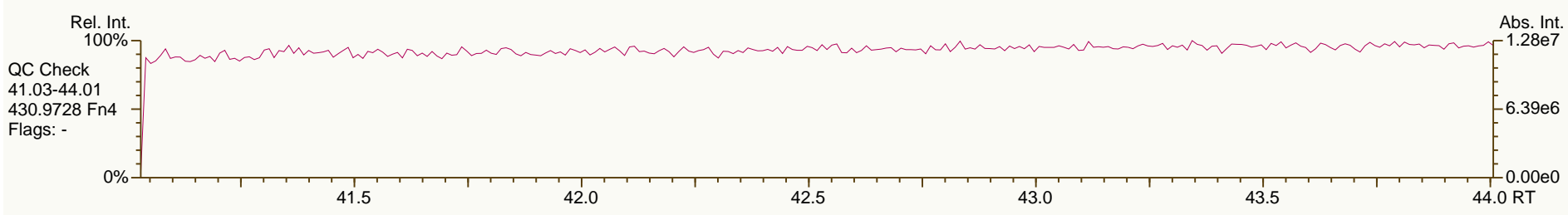
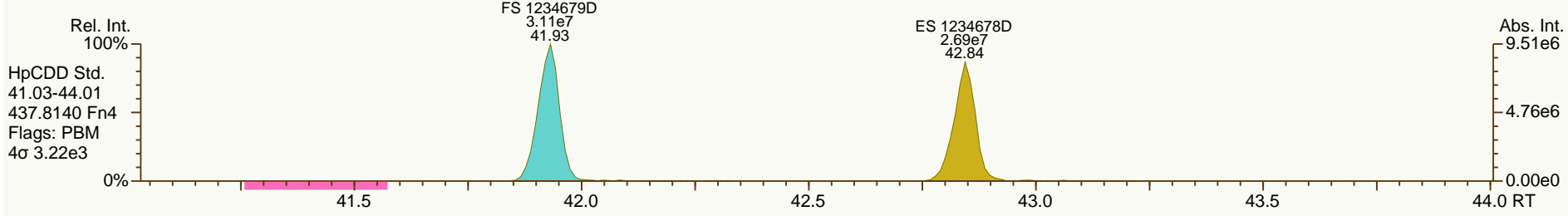
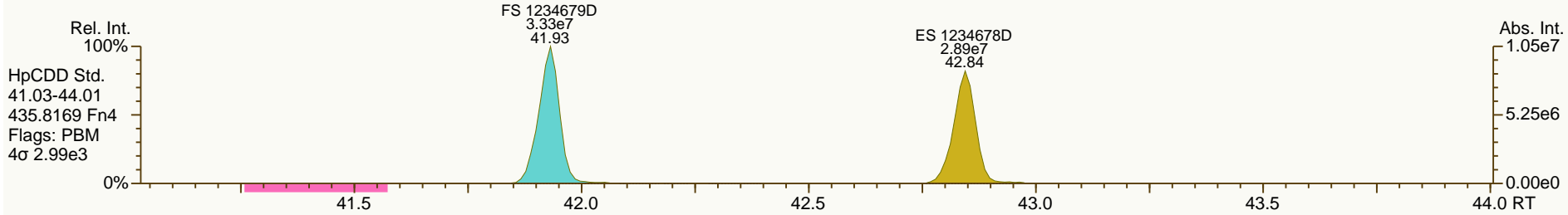
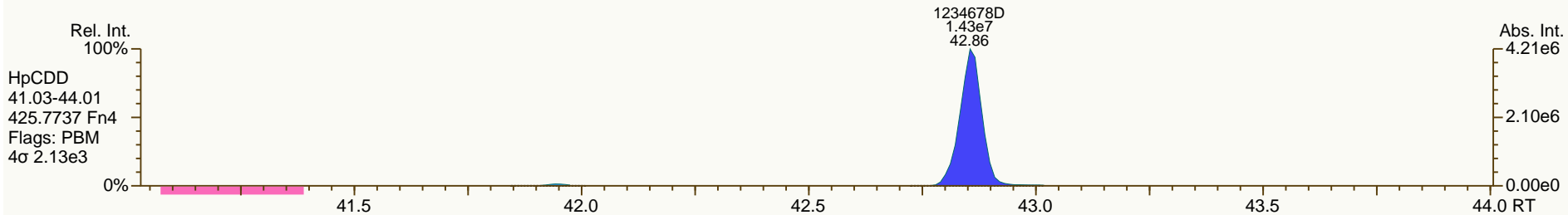
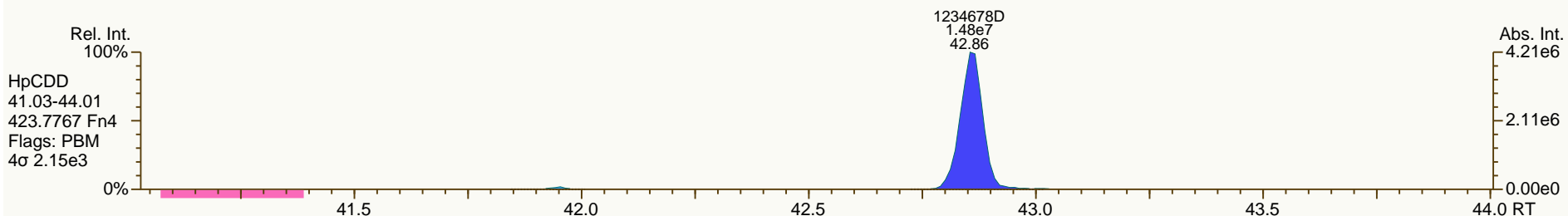
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

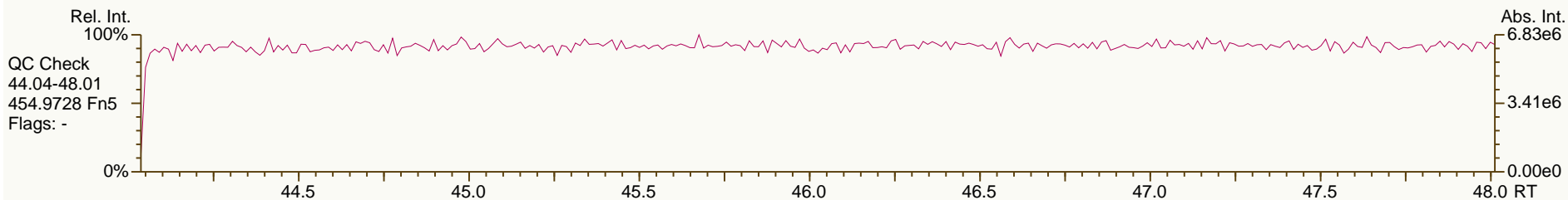
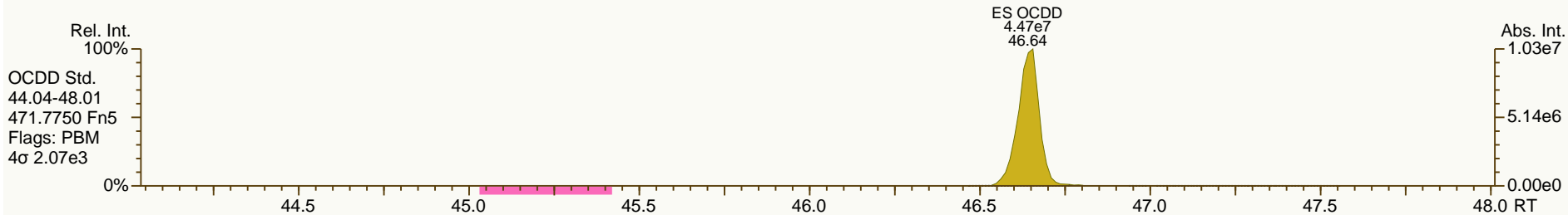
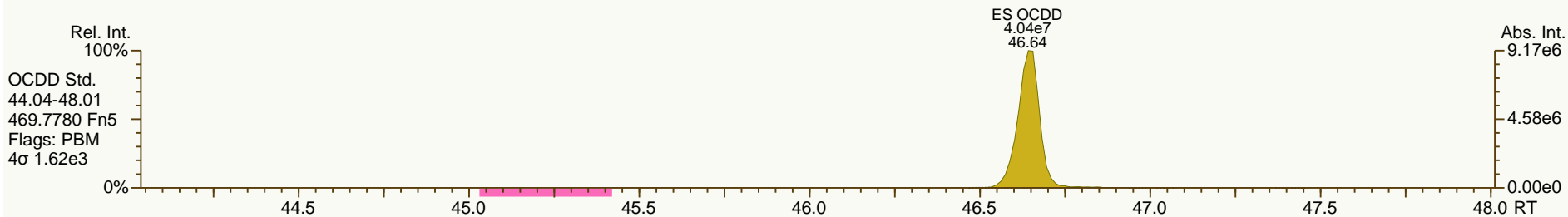
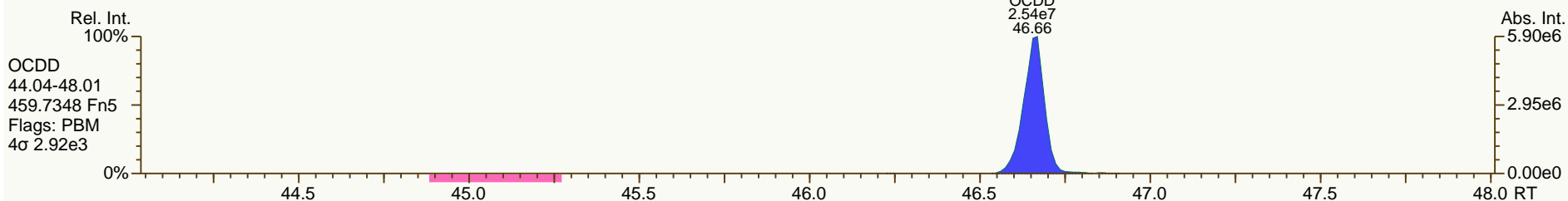
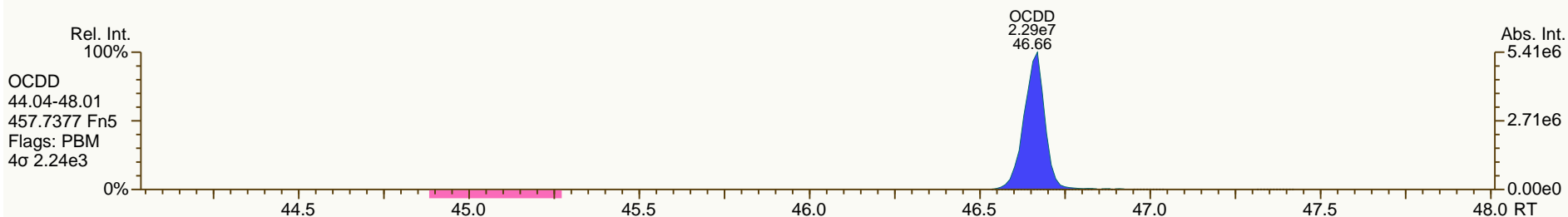
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

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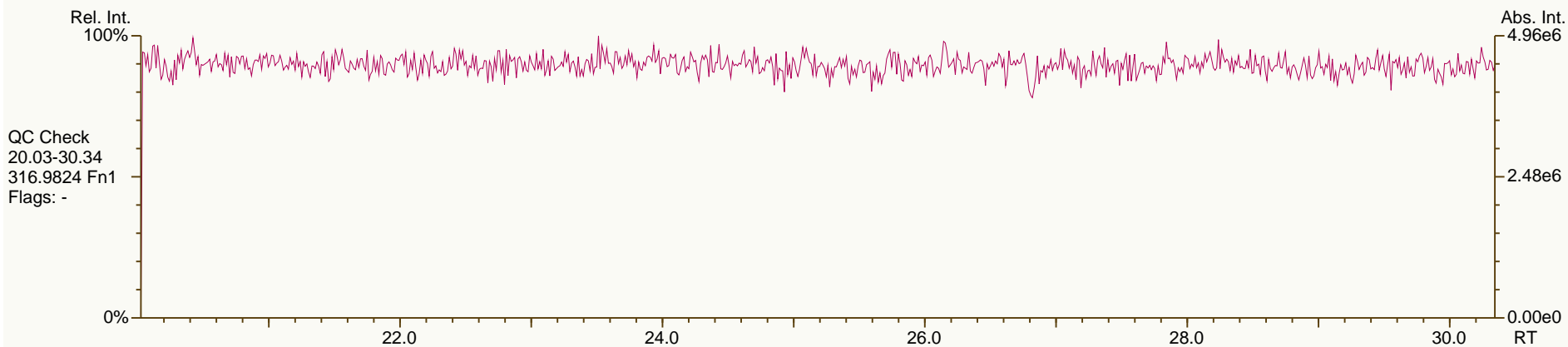
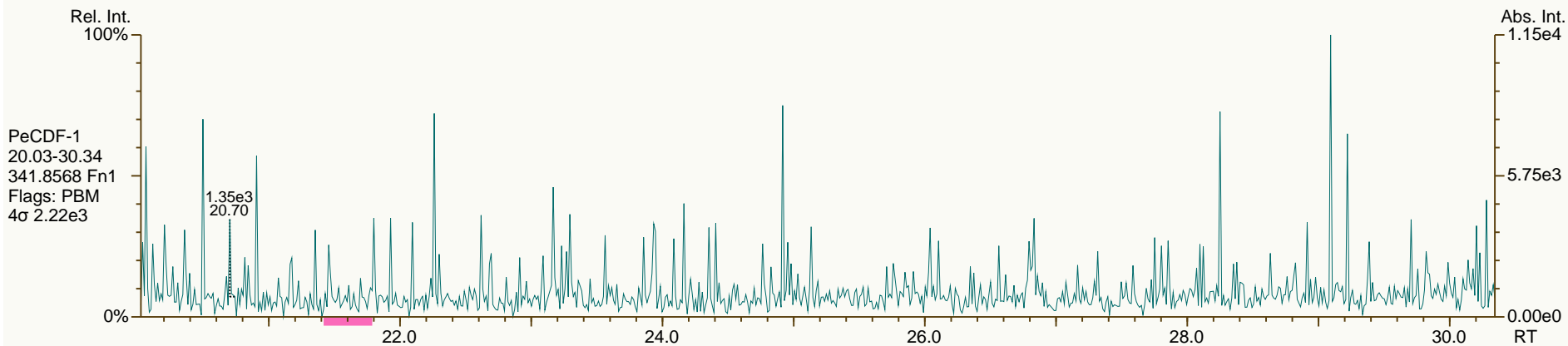
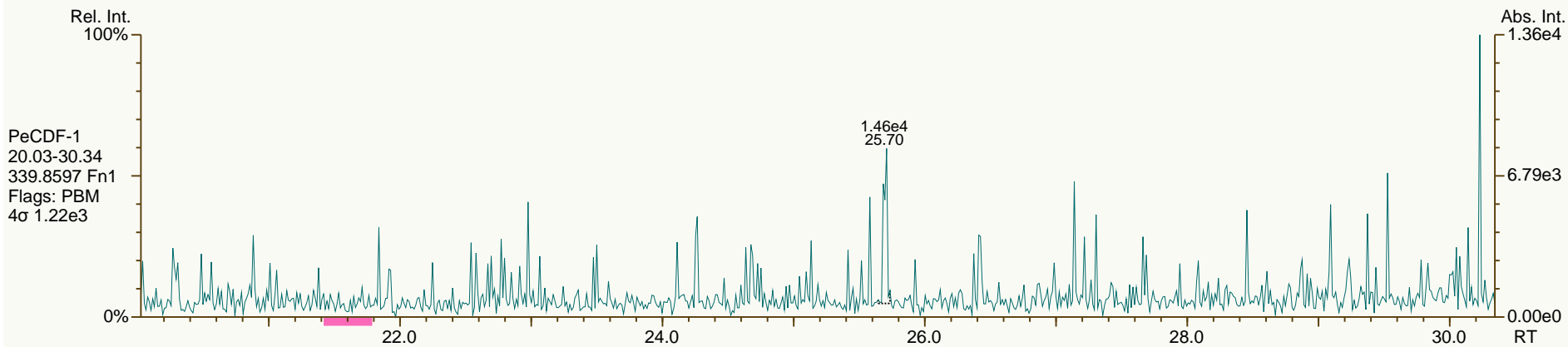
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

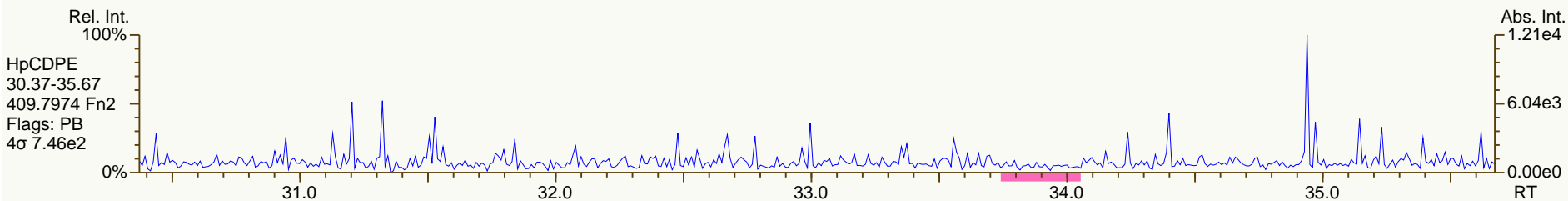
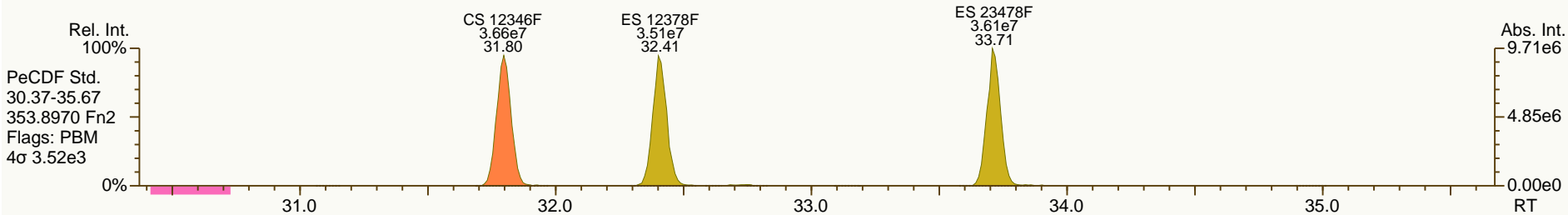
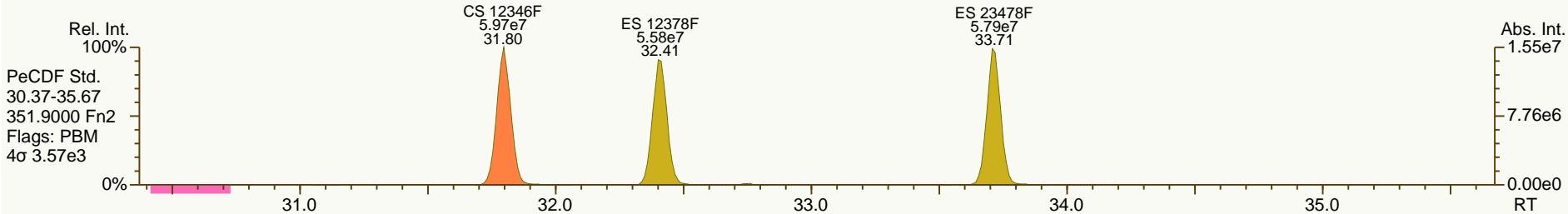
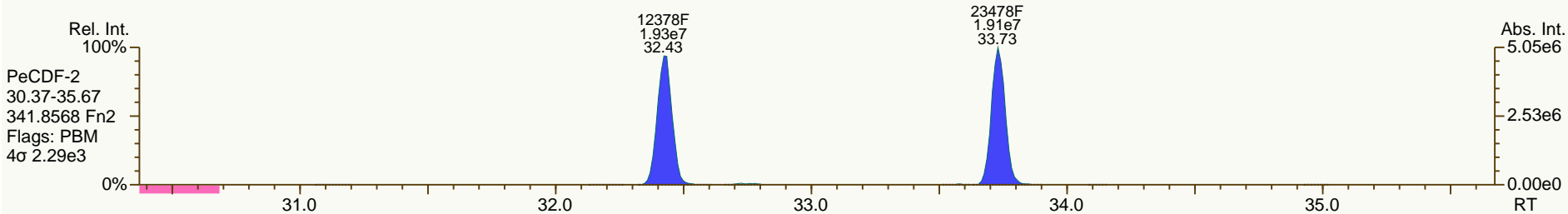
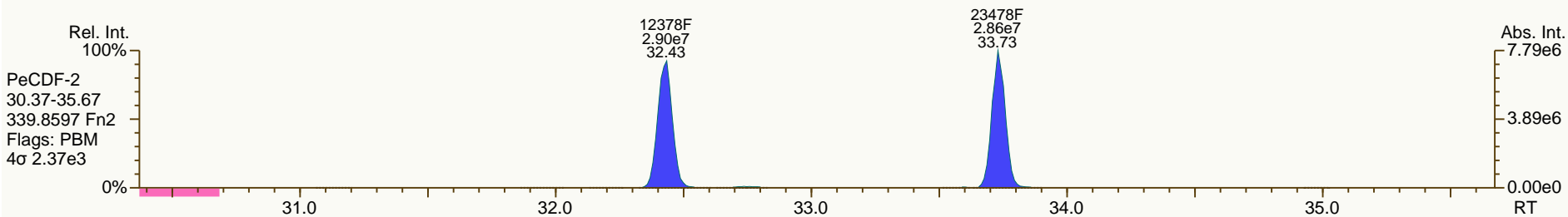
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 Instr: AutoSpec-Ultima MM1

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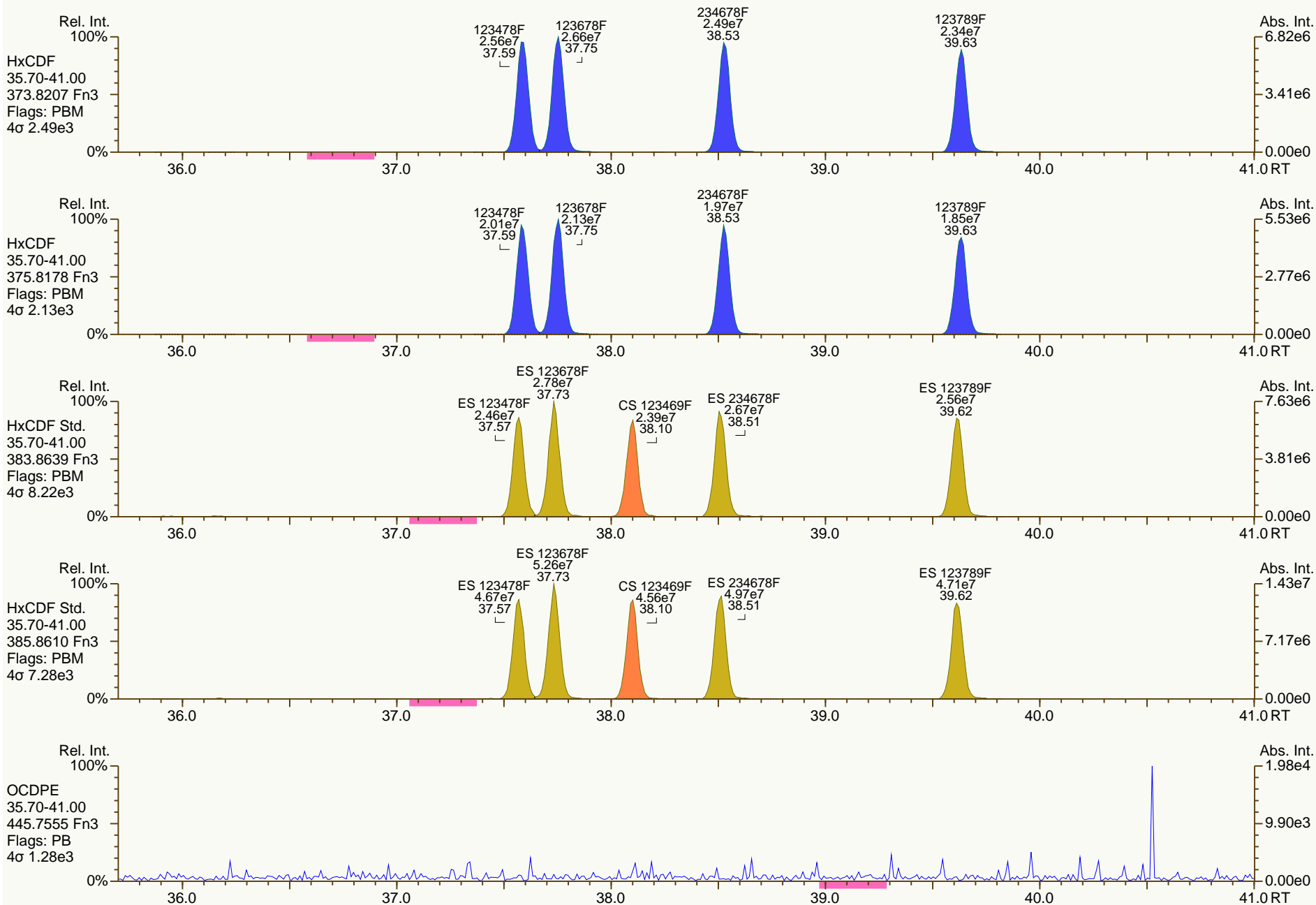
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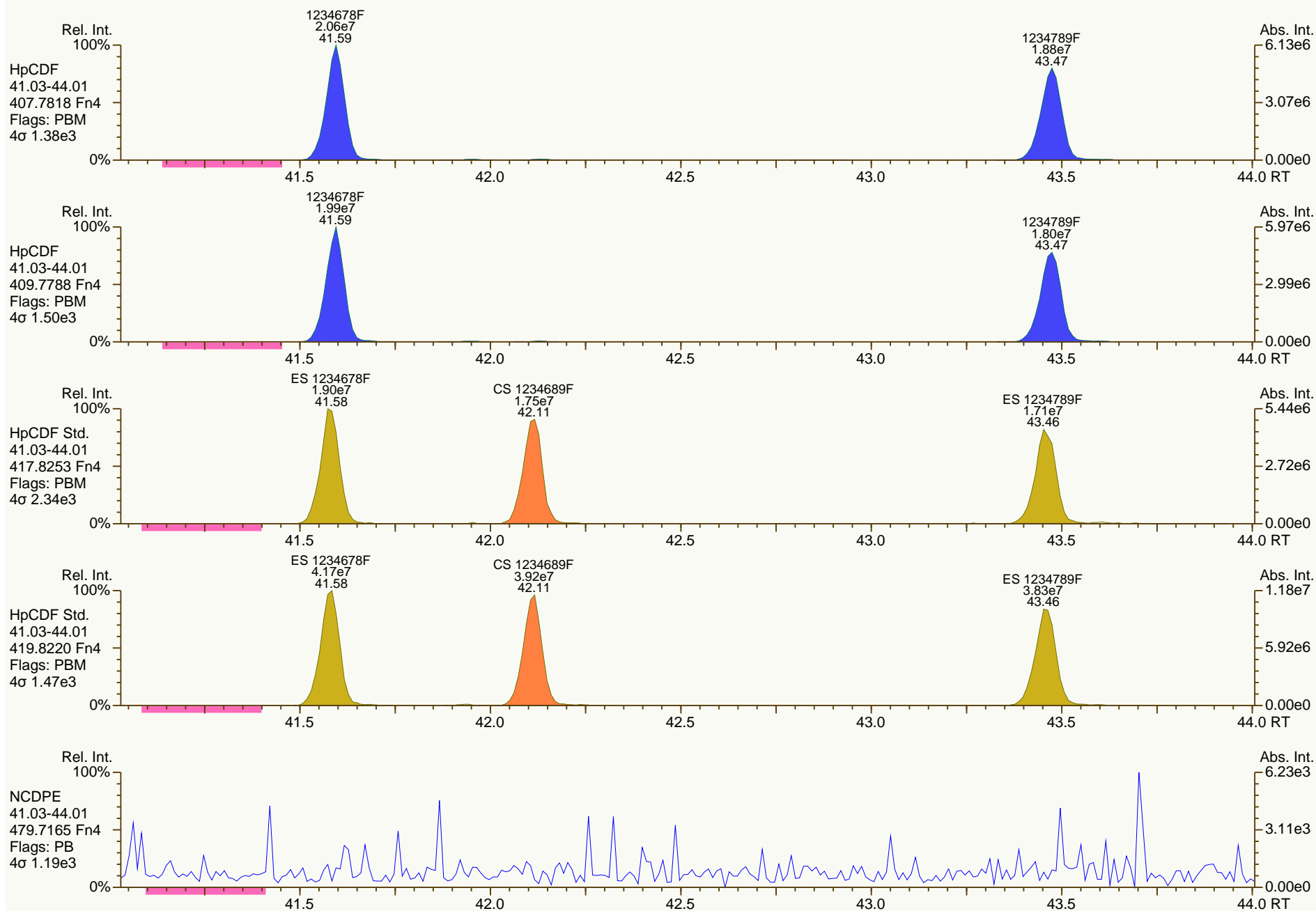
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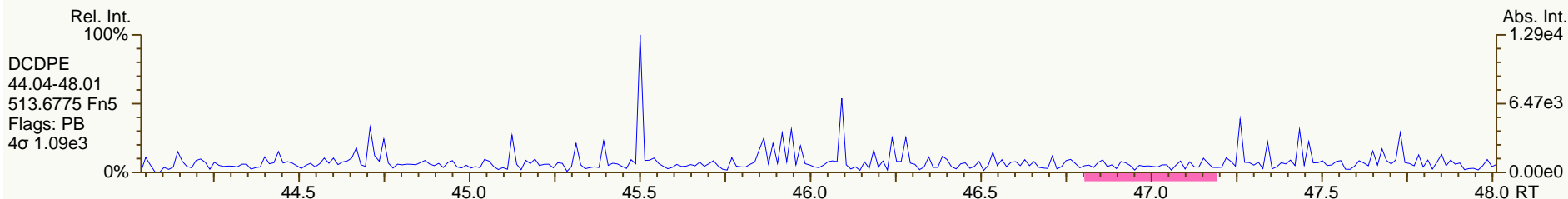
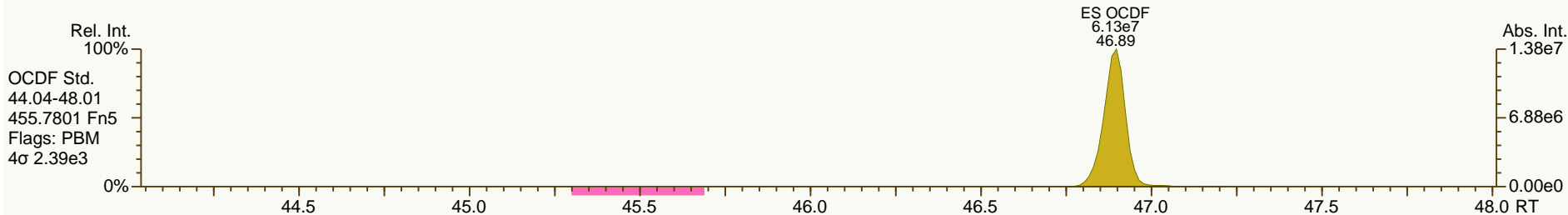
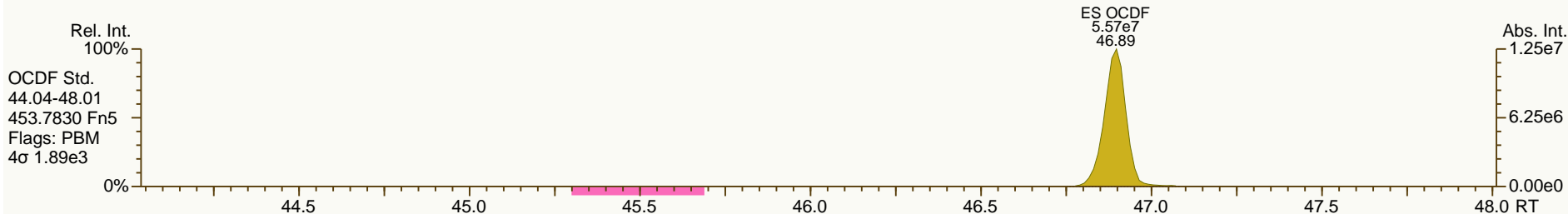
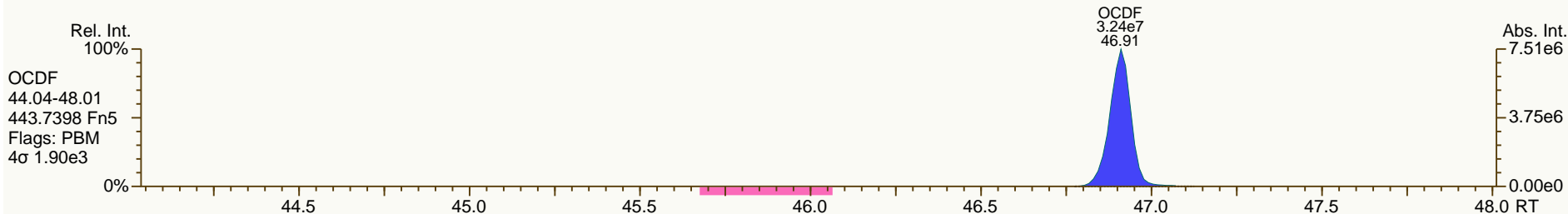
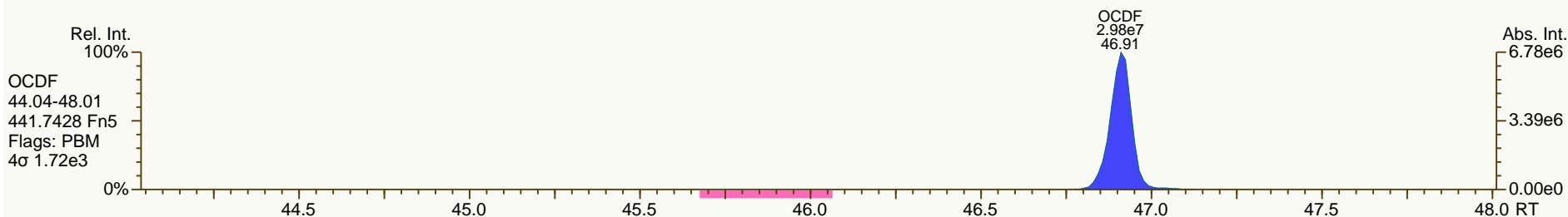
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Instr: AutoSpec-Ultima MM1

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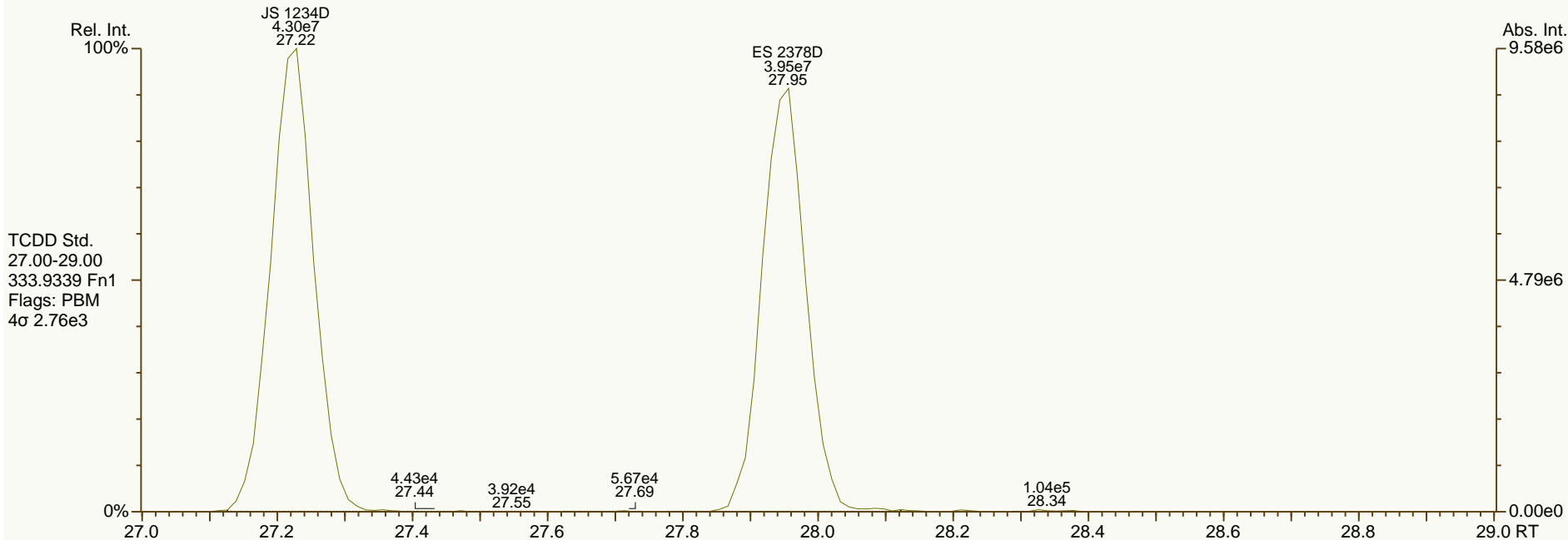
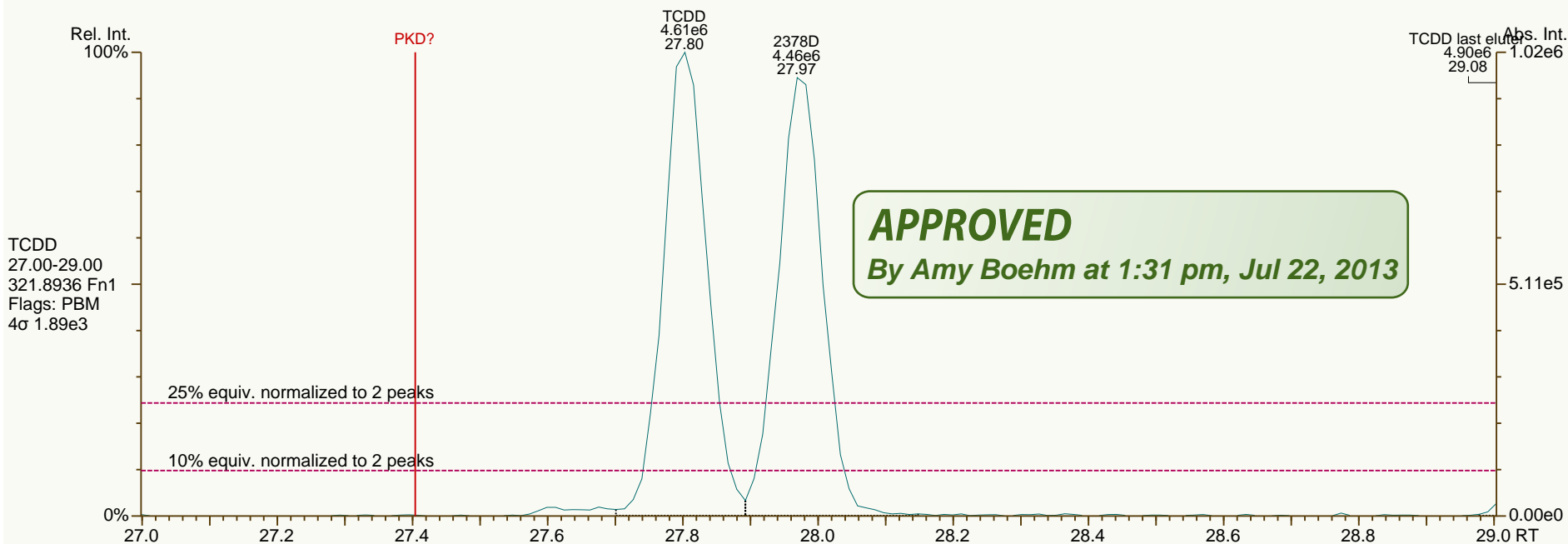
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

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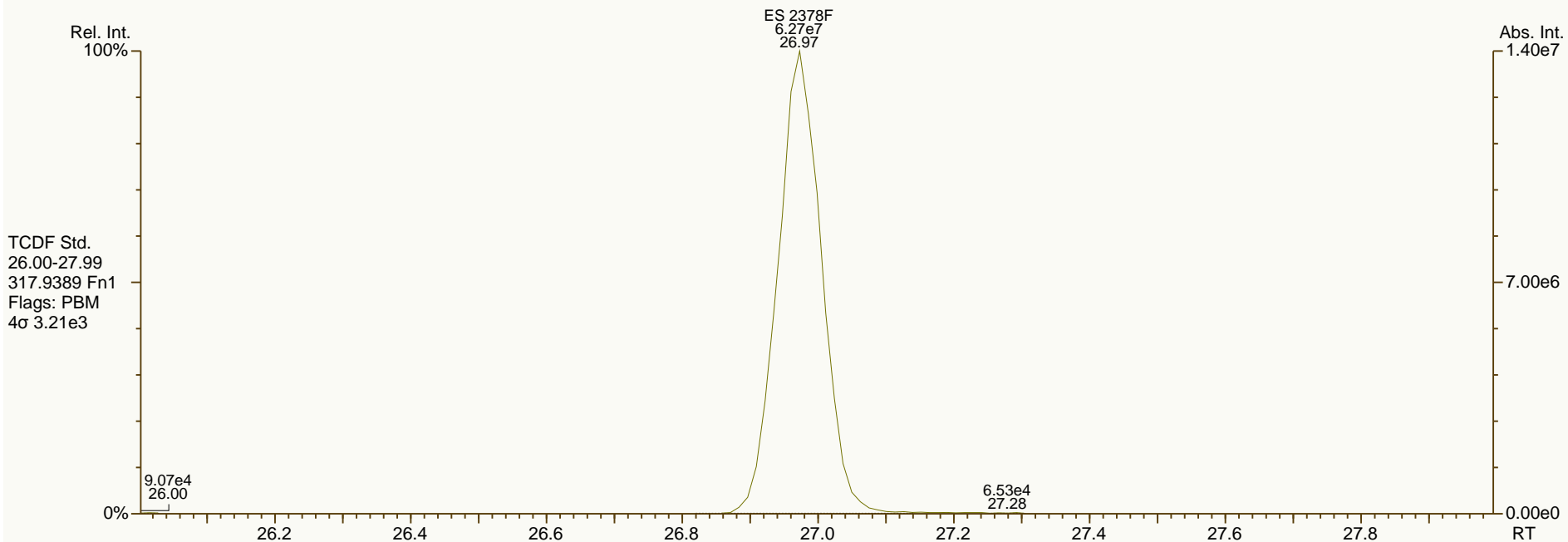
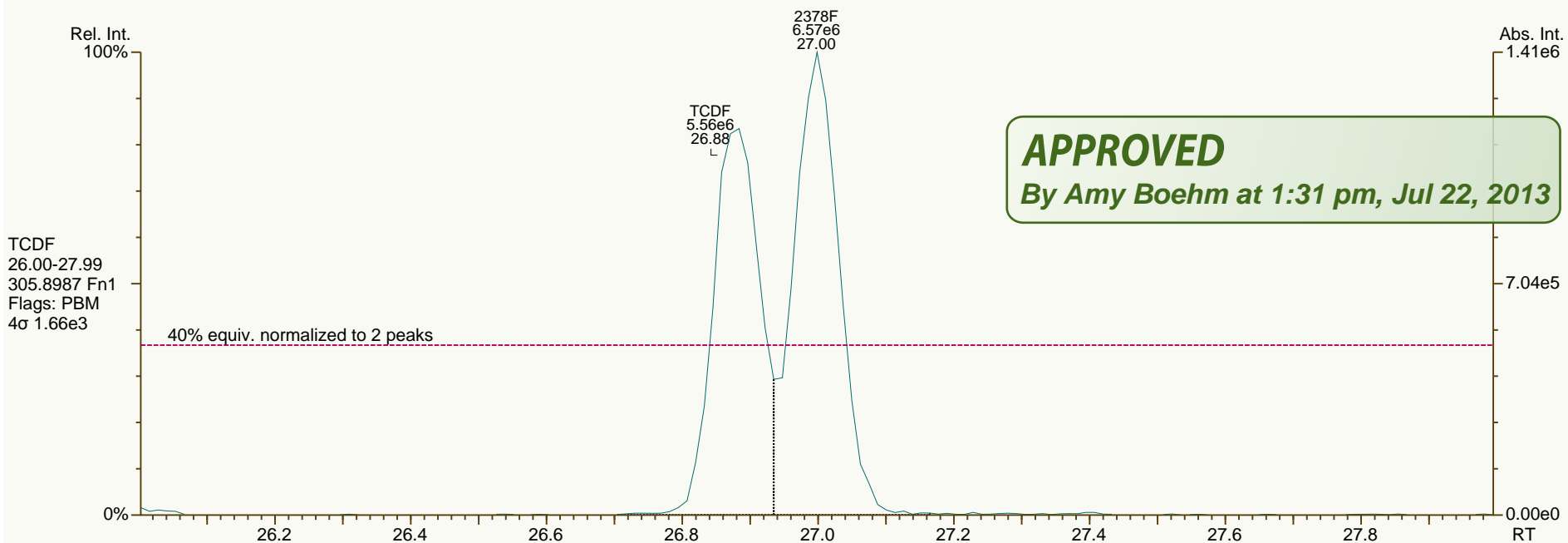
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SGS-AP ID: CPSM
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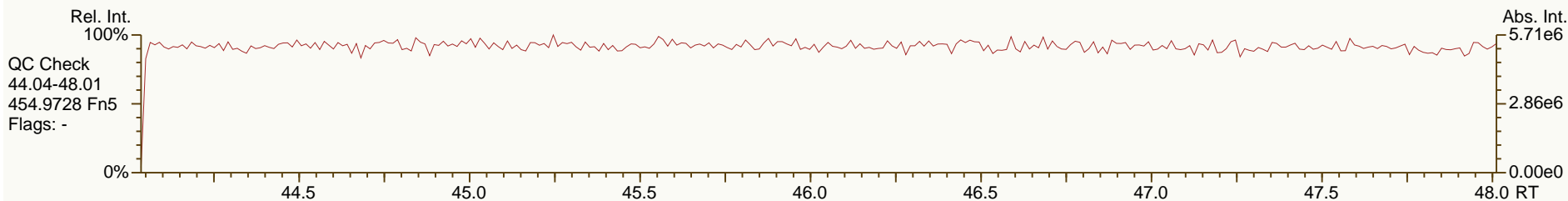
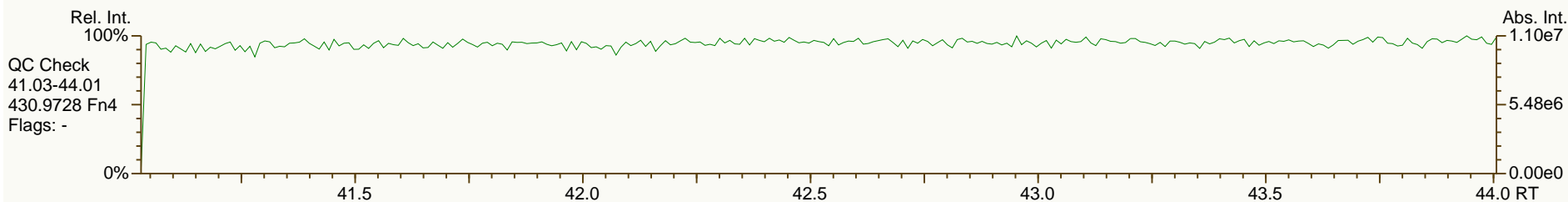
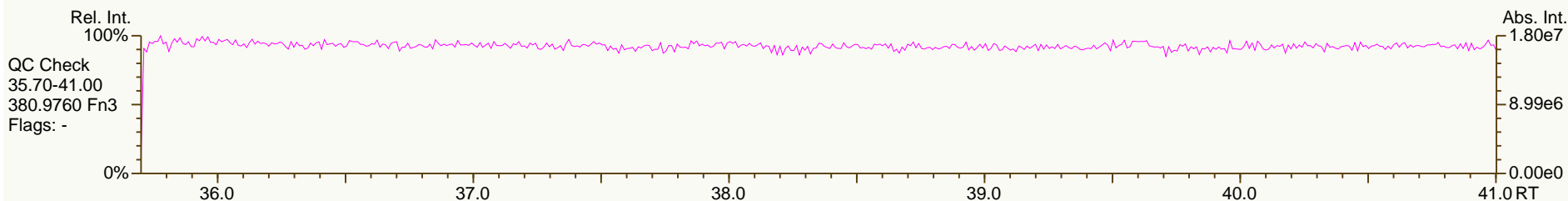
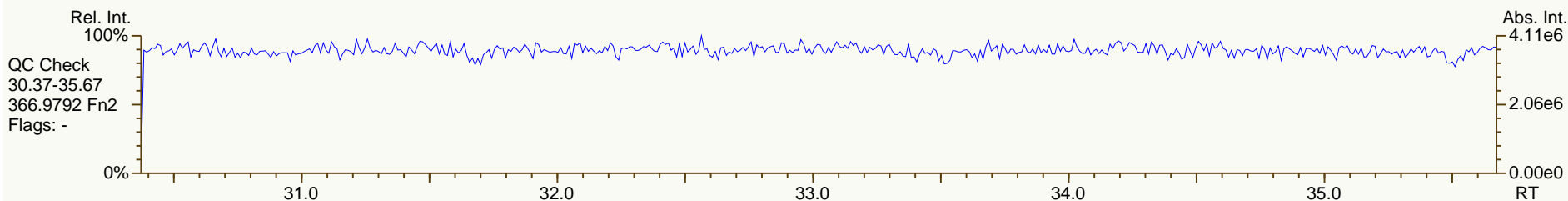
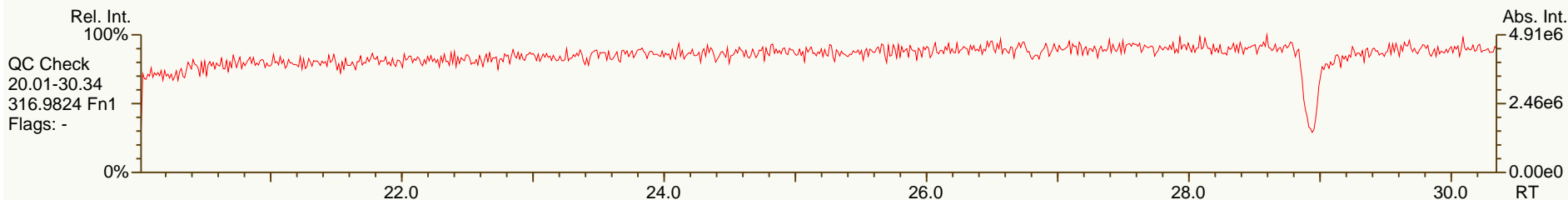
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

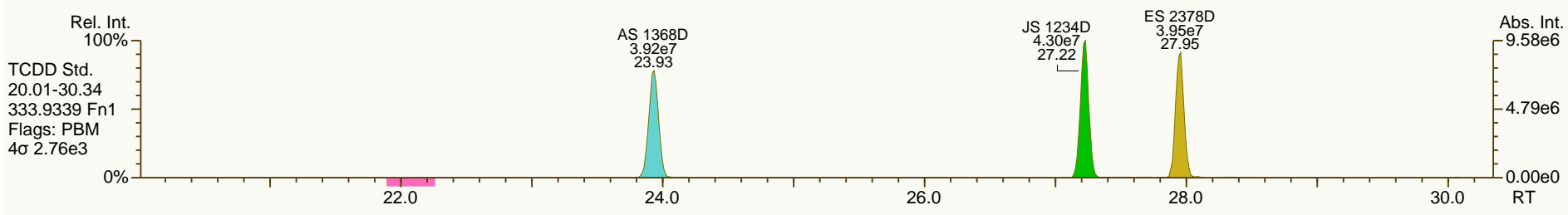
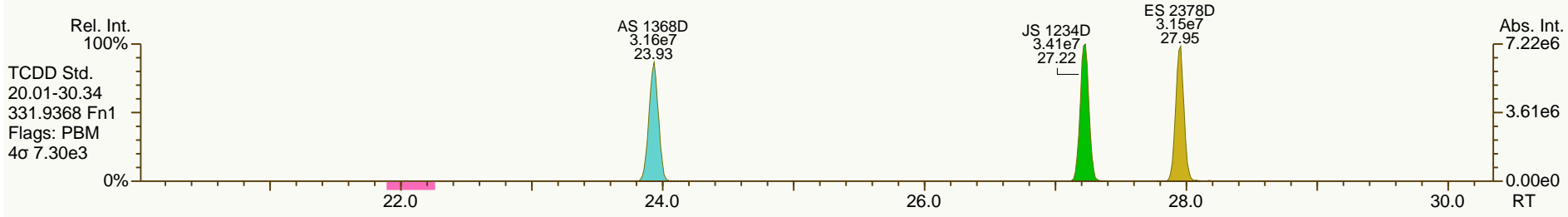
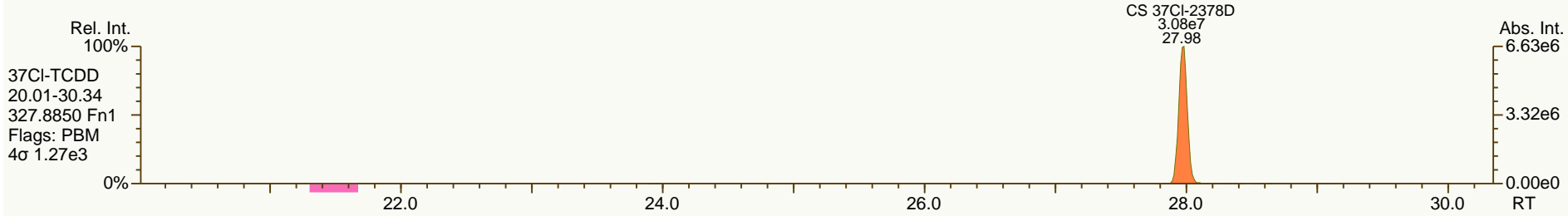
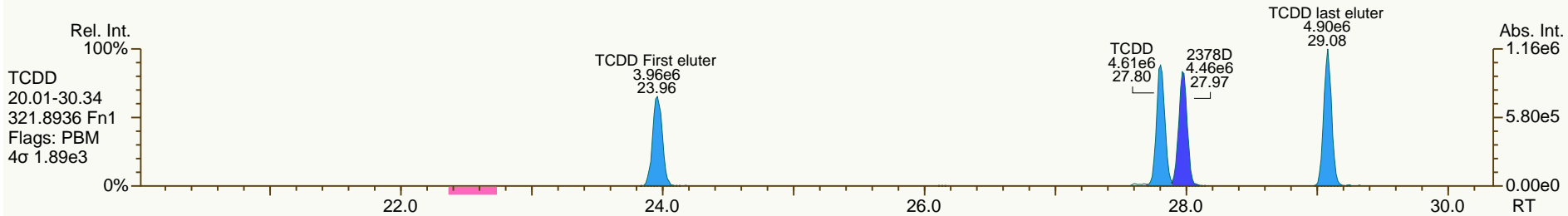
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
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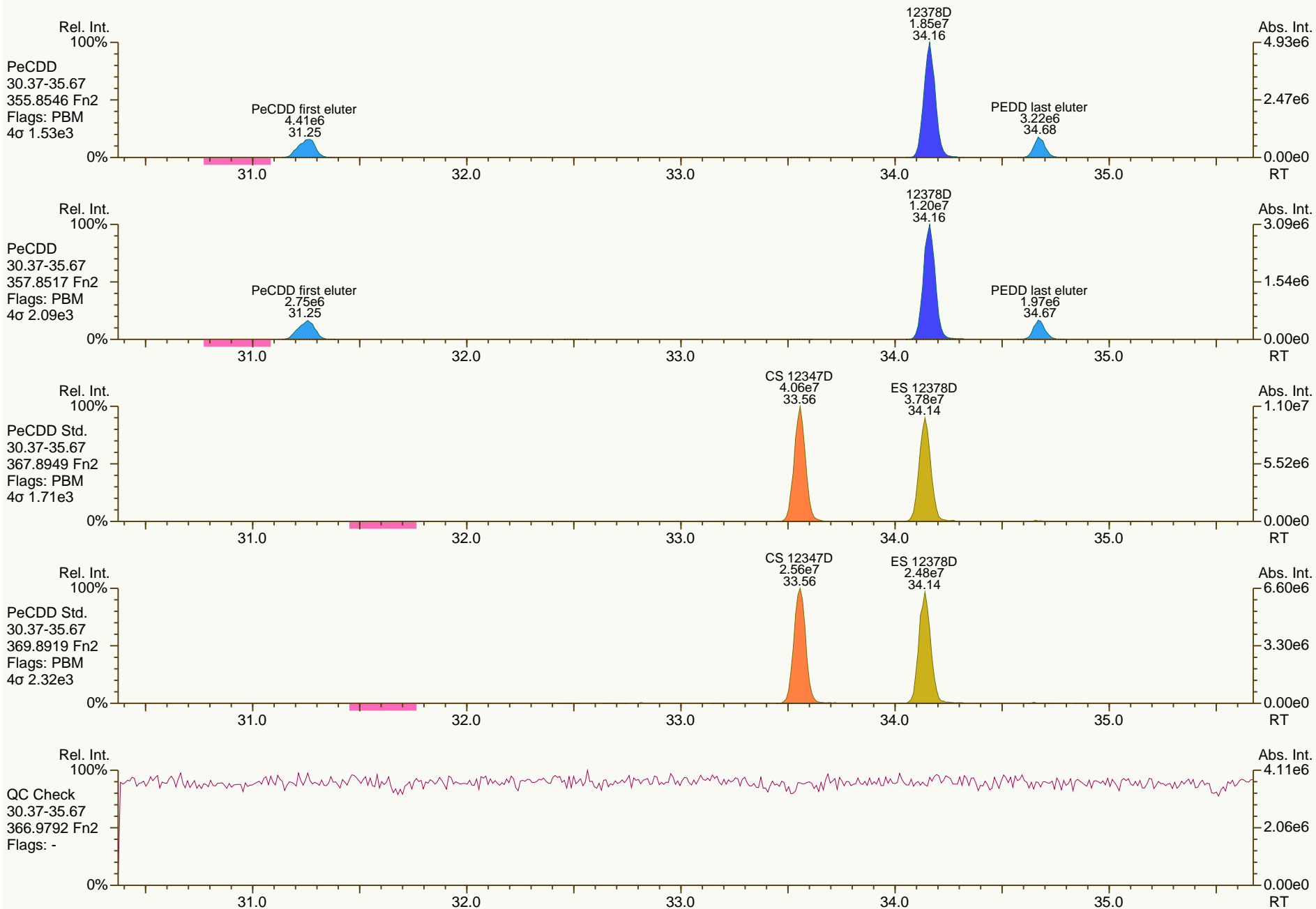
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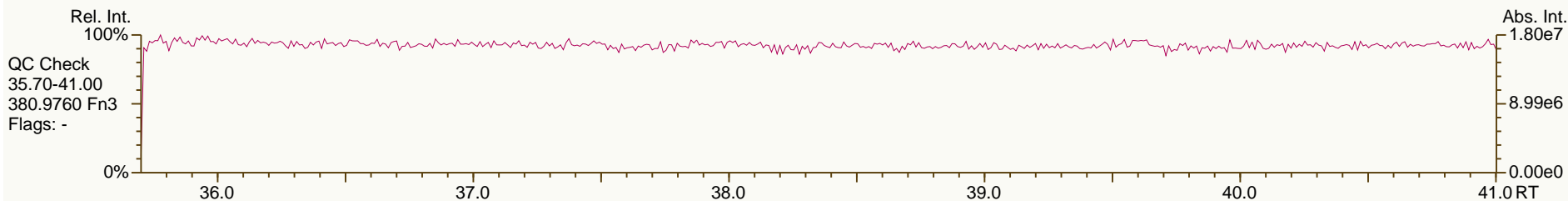
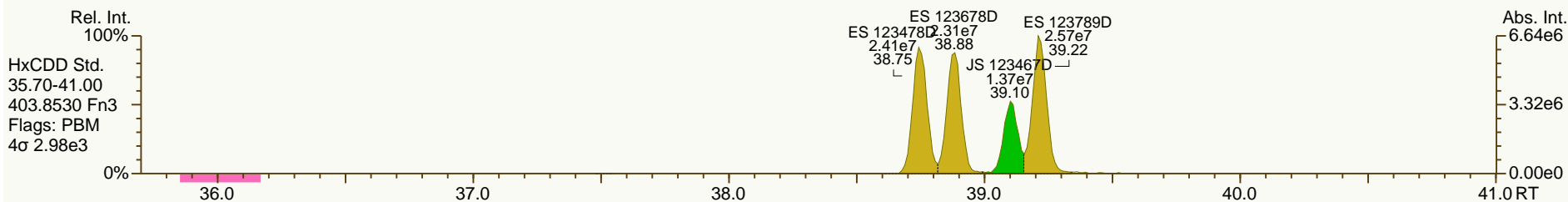
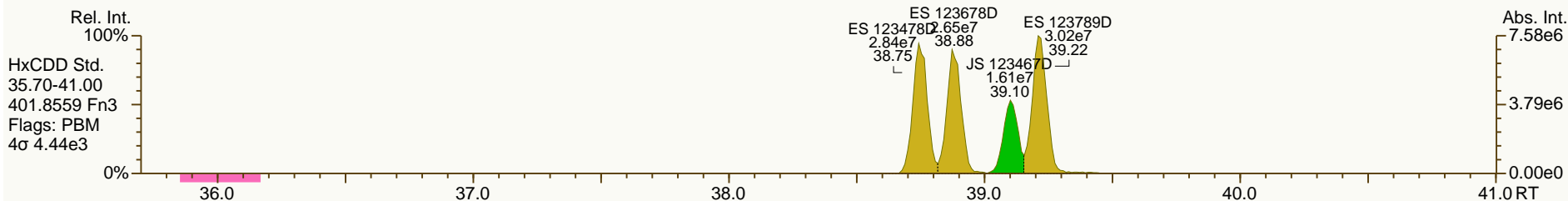
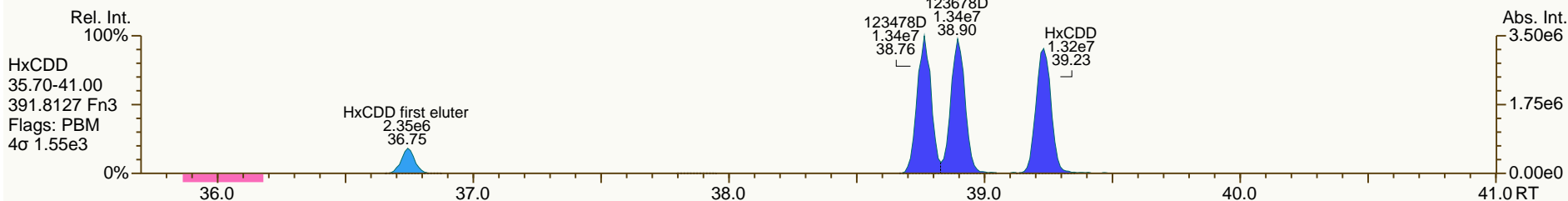
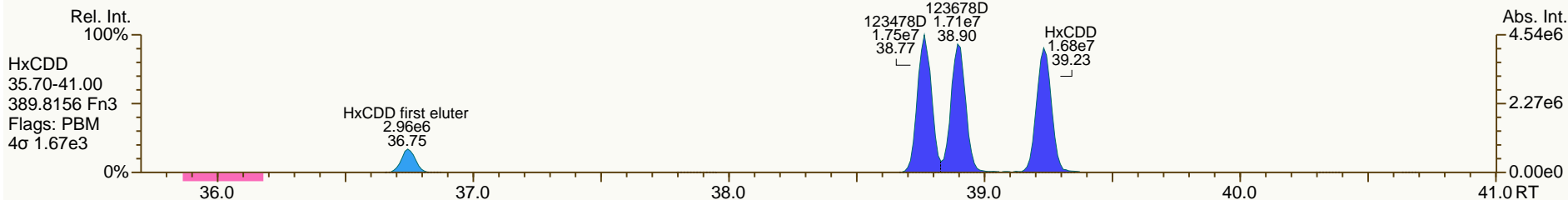
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 22:10:42
 User: MDC Datafile: 130718P2-01



SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

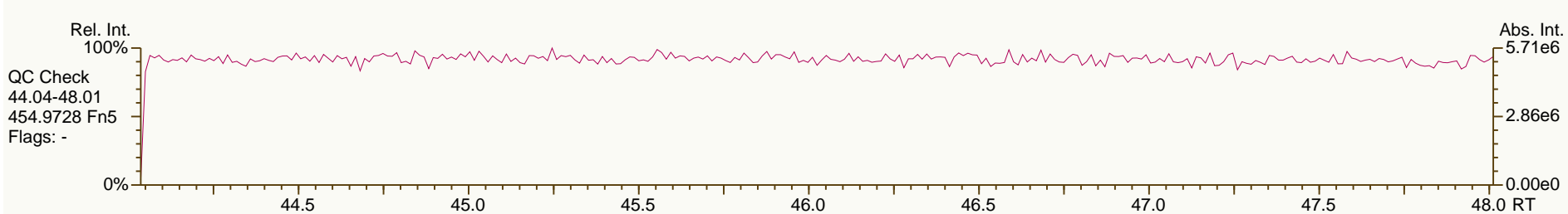
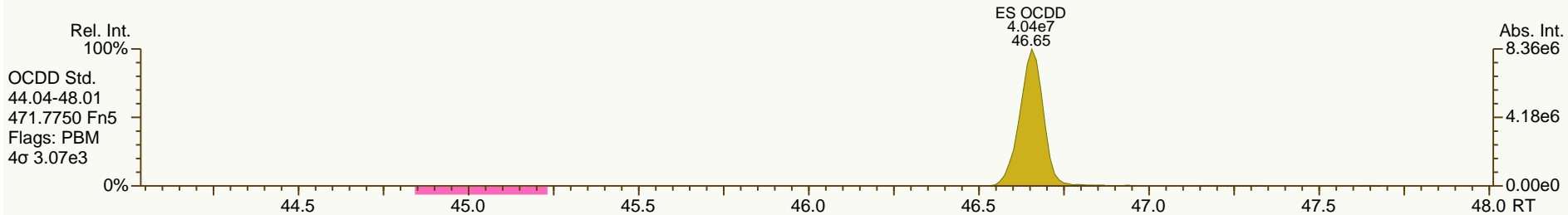
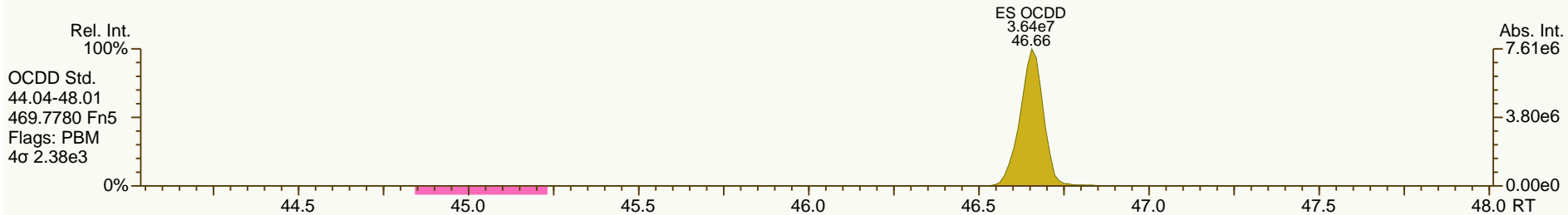
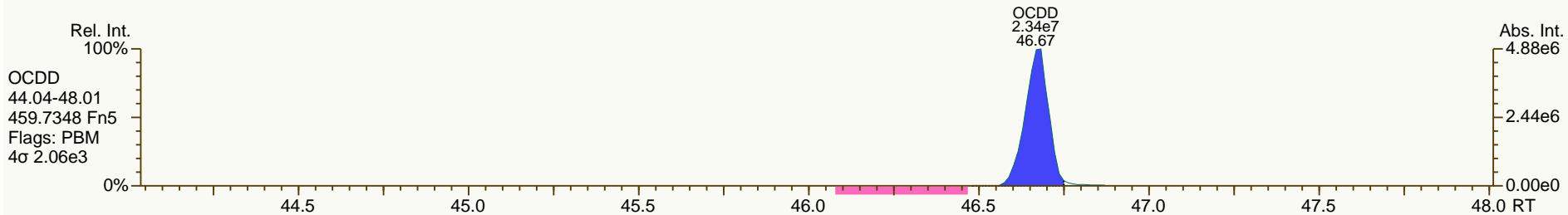
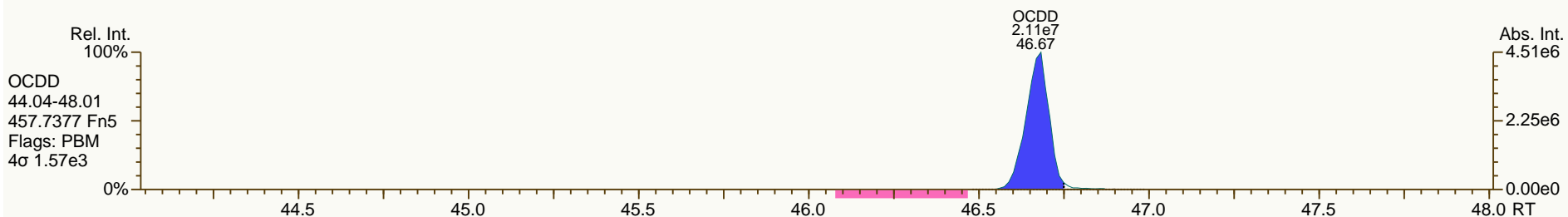
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 22:10:42
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

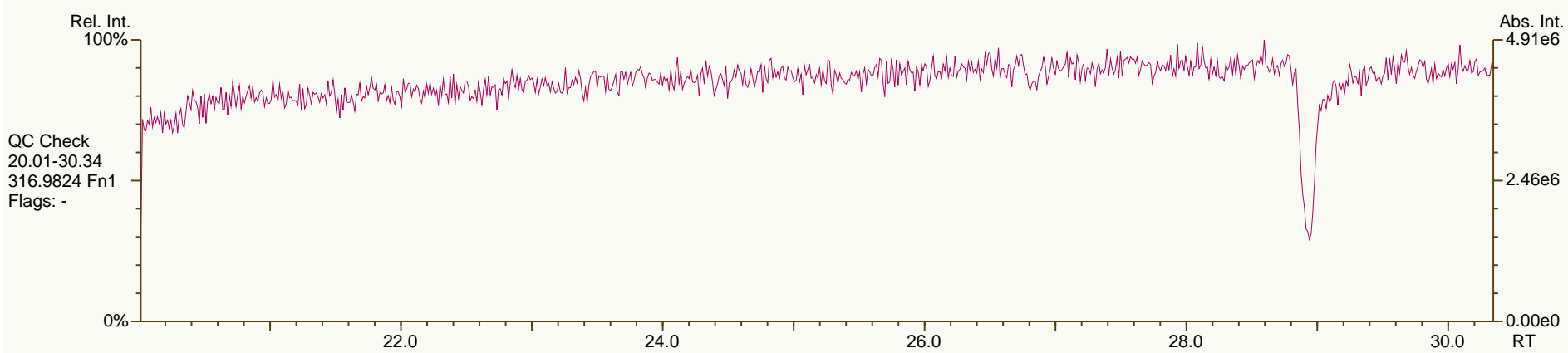
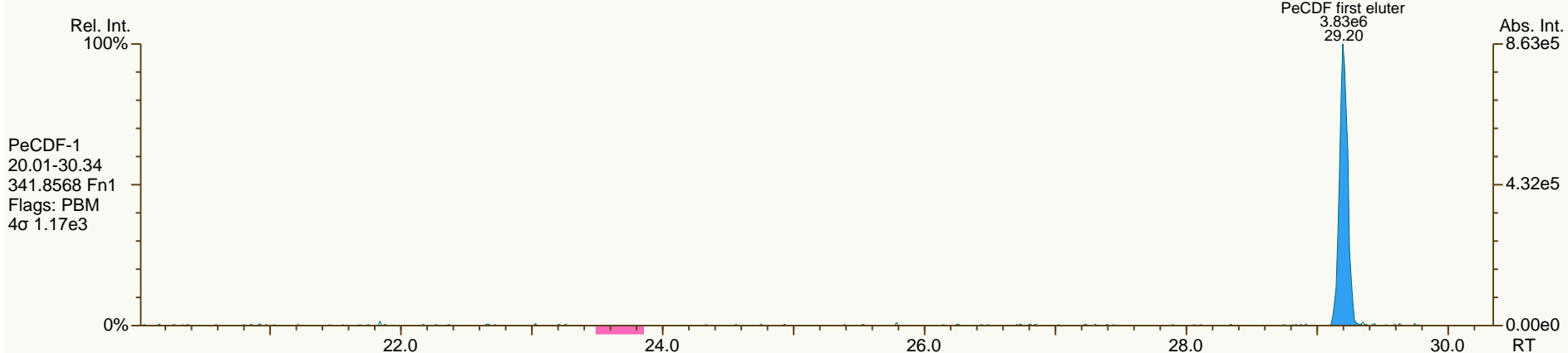
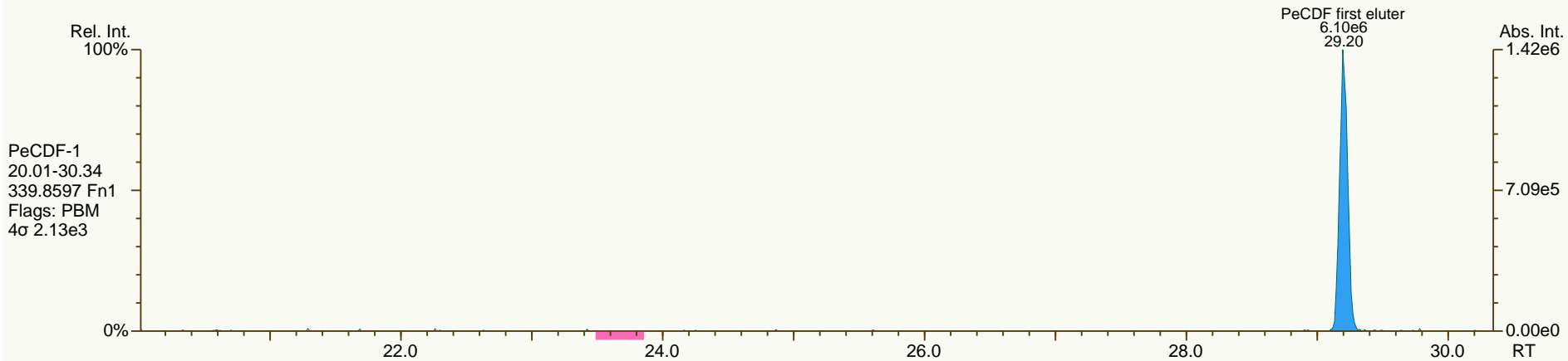
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

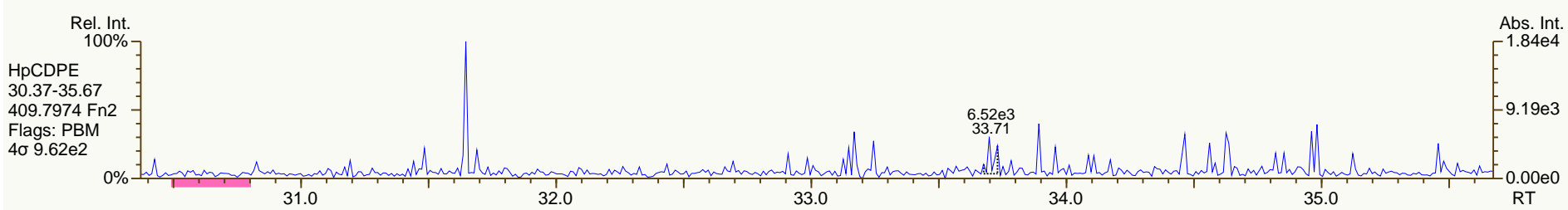
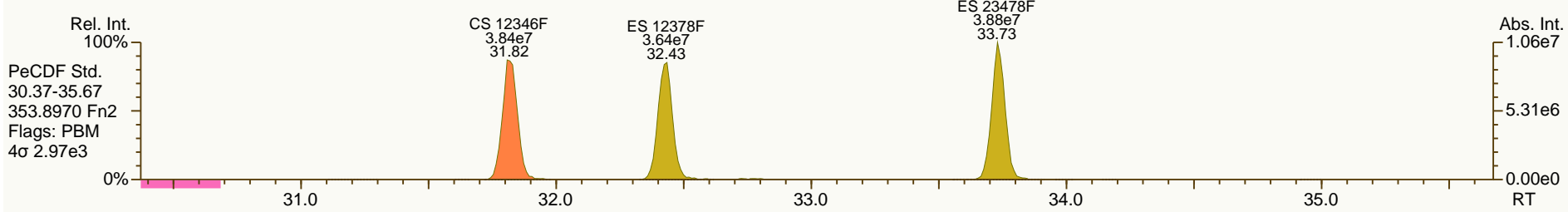
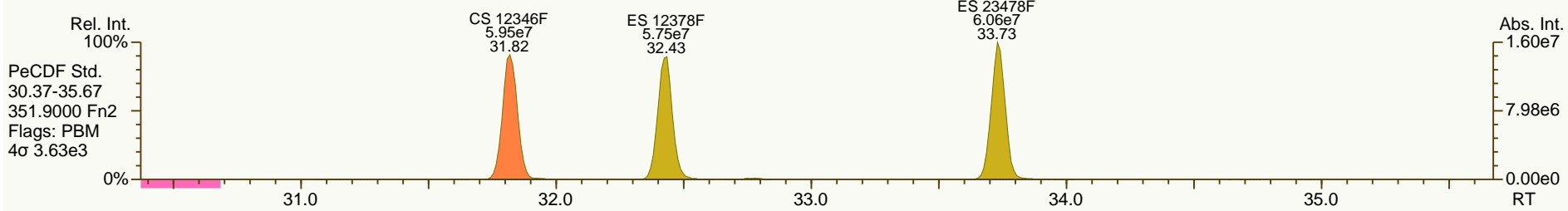
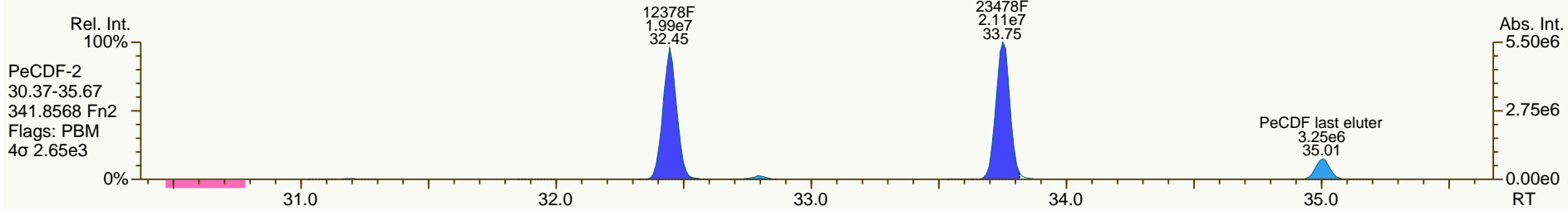
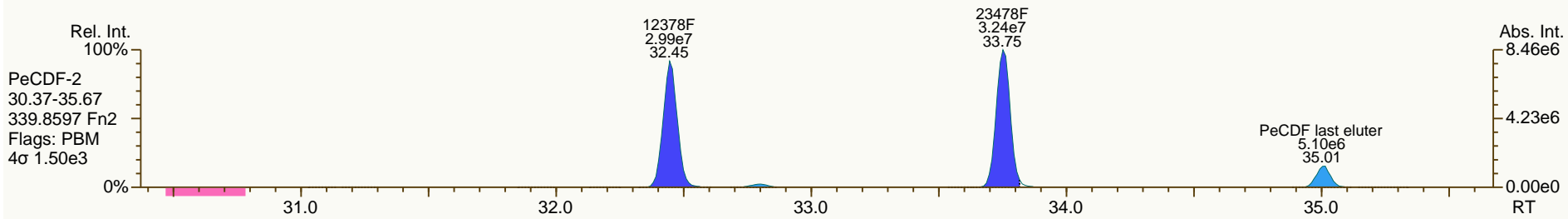
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

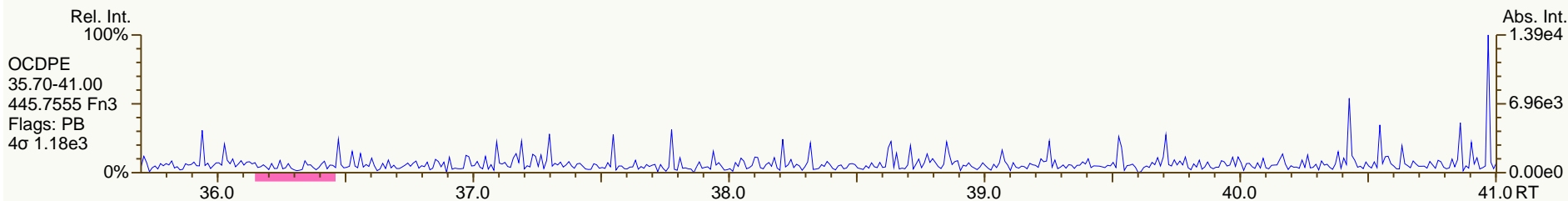
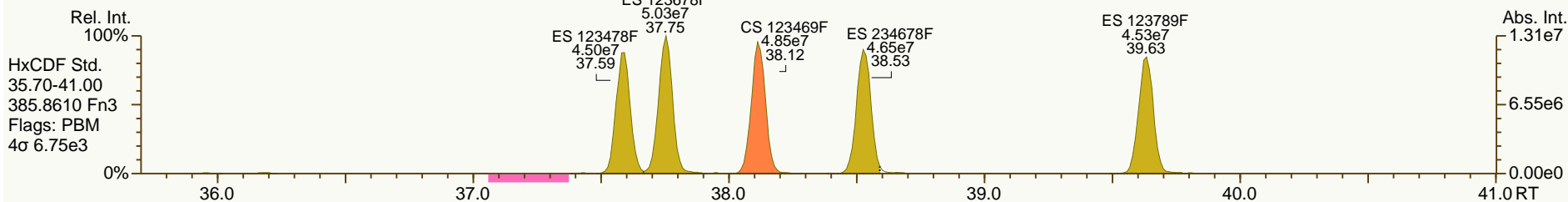
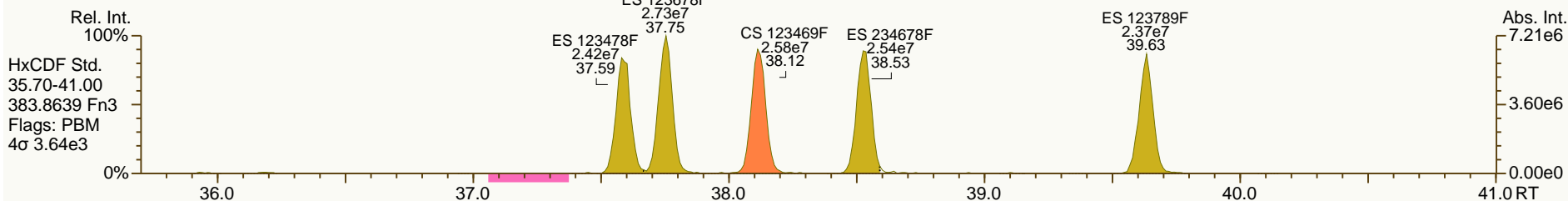
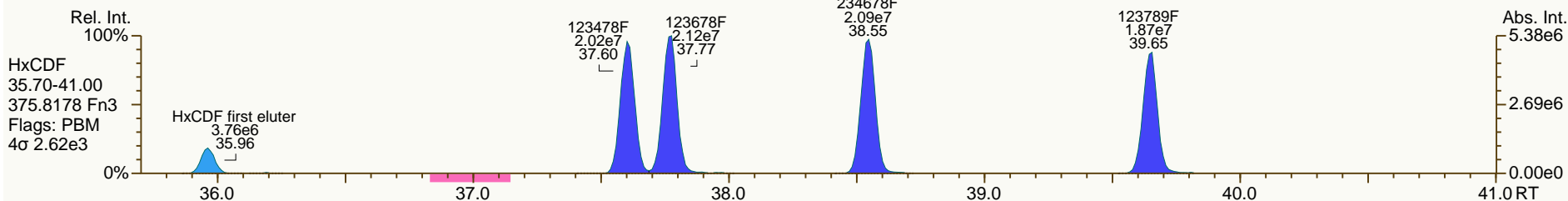
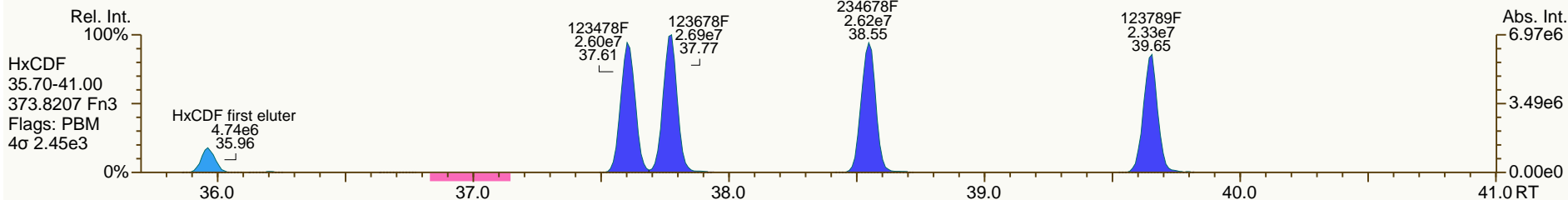
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SGS-AP ID: CPSM
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

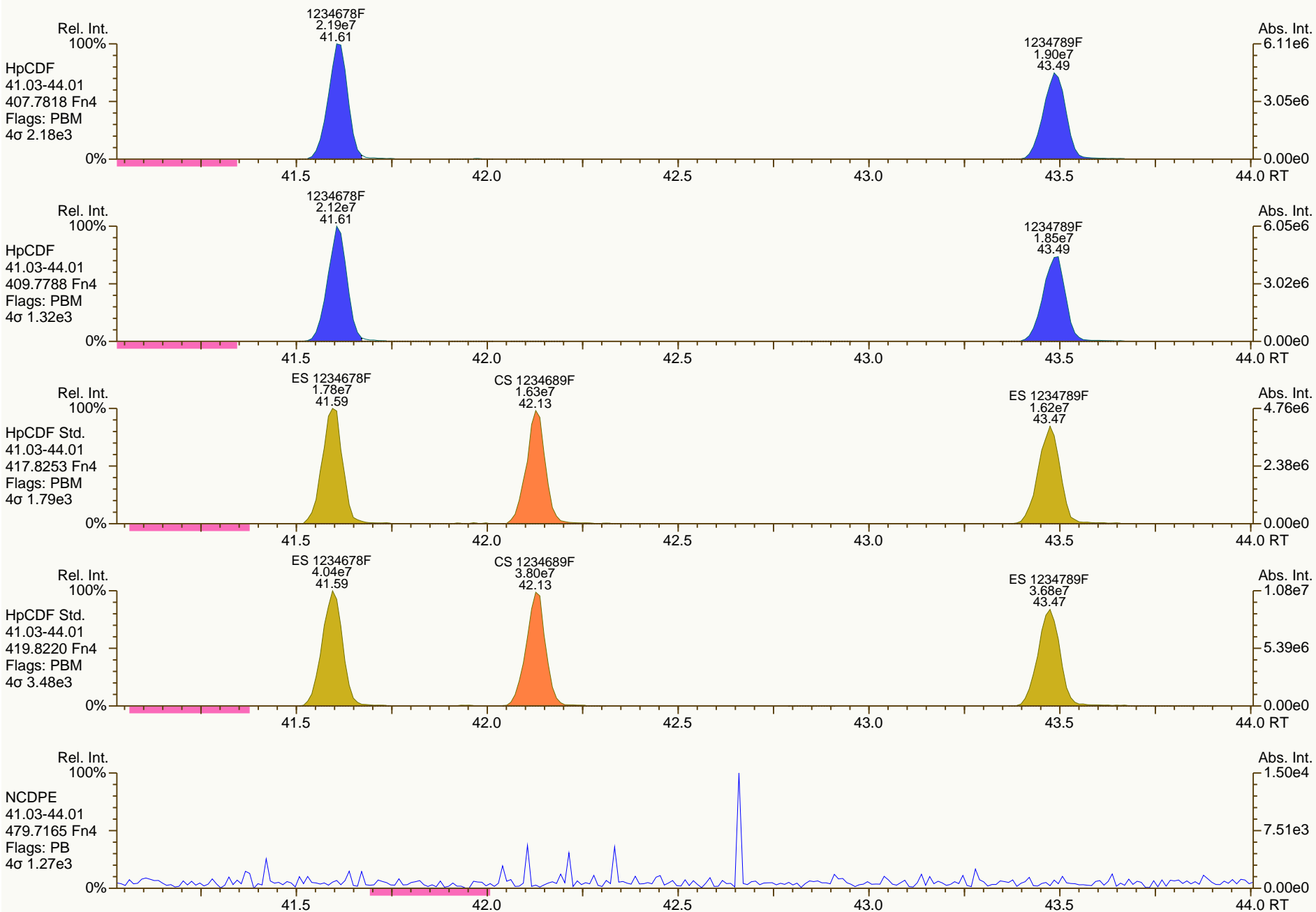
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

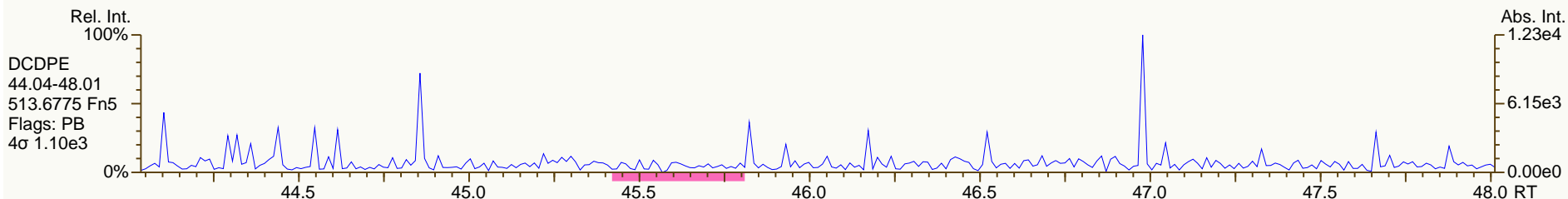
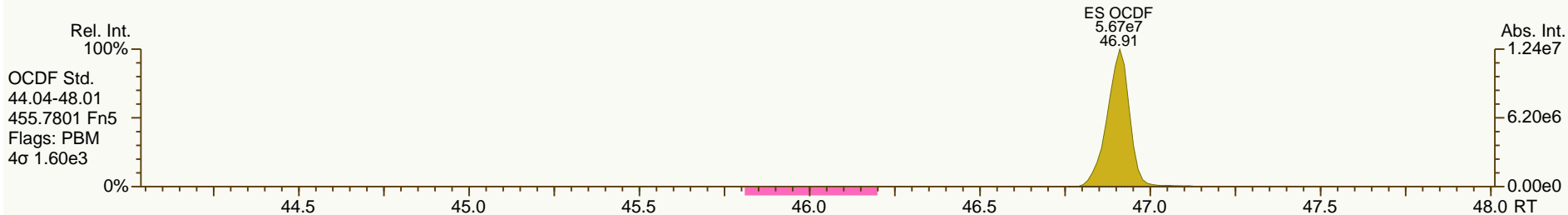
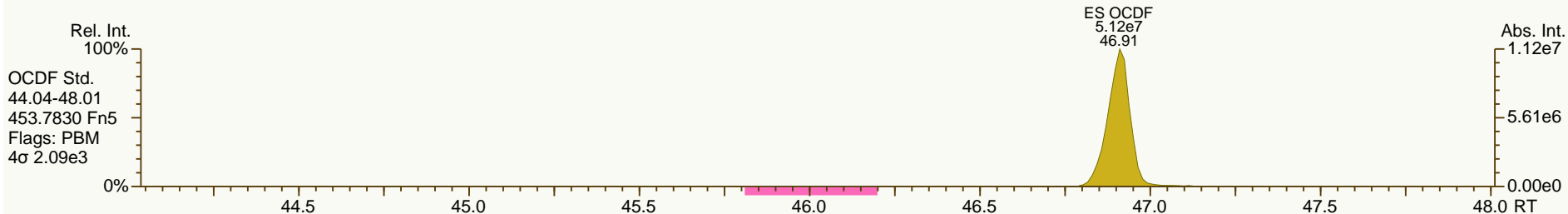
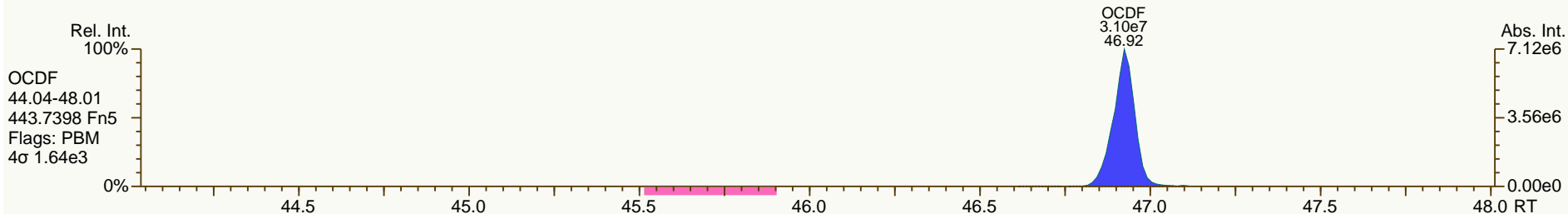
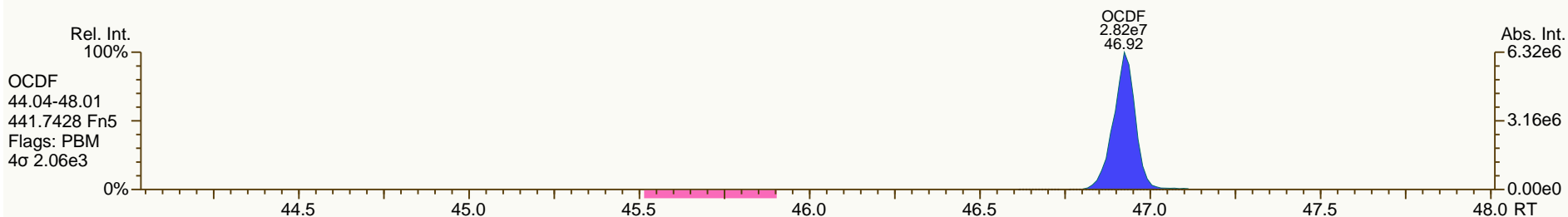
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SGS-AP ID: CPSM
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 22:10:42
User: MDC Datafile: 130718P2-01



Dioxin/Furan QC Summary		Acq'd: 19 Jul 2013 05:10 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PC		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 228-141-YKH		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P2-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	27.96	7.45E+06	0.76	Y	1.06	1.15	8%
12378-PeCDD	34.14	3.00E+07	1.56	Y	0.94	1.01	8%
123478-HxCDD	38.75	2.75E+07	1.28	Y	1.02	1.13	10%
123678-HxCDD	38.88	2.64E+07	1.30	Y	1.04	1.12	8%
123789-HxCDD	39.21	2.91E+07	1.27	Y	0.98	1.07	9%
1234678-HpCDD	42.86	2.71E+07	1.05	Y	1.02	1.06	3%
OCDD	46.65	4.40E+07	0.89	Y	1.08	1.11	3%
2378-TCDF	26.98	1.03E+07	0.77	Y	0.97	1.05	8%
12378-PeCDF	32.42	4.71E+07	1.57	Y	1.00	1.11	11%
23478-PeCDF	33.73	4.52E+07	1.61	Y	0.96	1.05	9%
123478-HxCDF	37.58	4.26E+07	1.24	Y	1.23	1.30	5%
123678-HxCDF	37.75	4.44E+07	1.26	Y	1.14	1.21	6%
234678-HxCDF	38.53	4.23E+07	1.26	Y	1.14	1.23	8%
123789-HxCDF	39.63	4.02E+07	1.25	Y	1.13	1.21	7%
1234678-HpCDF	41.59	3.73E+07	1.03	Y	1.34	1.40	4%
1234789-HpCDF	43.47	3.43E+07	1.04	Y	1.30	1.33	2%
OCDF	46.91	5.82E+07	0.91	Y	1.00	1.07	8%
ES 2378-TCDD	27.93	6.45E+07	0.81	Y	1.01	1.04	3%
ES 12378-PeCDD	34.12	5.92E+07	1.60	Y	0.90	0.96	7%
ES 123478-HxCDD	38.73	4.88E+07	1.17	Y	0.99	0.99	0%
ES 123678-HxCDD	38.86	4.73E+07	1.14	Y	1.02	0.96	-6%
ES 123789-HxCDD	39.20	5.44E+07	1.18	Y	1.12	1.10	-1%
ES 1234678-HpCDD	42.84	5.13E+07	1.06	Y	0.90	1.04	15%
ES OCDD	46.64	7.91E+07	0.90	Y	0.74	0.80	8%
ES 2378-TCDF	26.95	9.82E+07	0.74	Y	1.05	1.04	-1%
ES 12378-PeCDF	32.40	8.51E+07	1.49	Y	0.88	0.90	3%
ES 23478-PeCDF	33.71	8.63E+07	1.50	Y	0.91	0.91	1%
ES 123478-HxCDF	37.57	6.58E+07	0.53	Y	1.25	1.33	7%
ES 123678-HxCDF	37.73	7.36E+07	0.53	Y	1.40	1.49	7%
ES 234678-HxCDF	38.51	6.87E+07	0.55	Y	1.29	1.39	8%
ES 123789-HxCDF	39.61	6.65E+07	0.53	Y	1.17	1.35	16%
ES 1234678-HpCDF	41.58	5.35E+07	0.43	Y	1.03	1.08	5%
ES 1234789-HpCDF	43.46	5.16E+07	0.43	Y	0.89	1.05	18%
ES OCDF	46.89	1.08E+08	0.89	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 19 Jul 2013 05:10 MDC			ICAL: MM1_11012012A_DF_13FEB2013		
Lab ID: CS3_PC		UTP: 19-Jul-2013 13:27 MDC			Checkcode: 228-141		
Sample ID: 11012012A		Report: 20 Jul 2013 09:56 MC			Datafile: 130718P2-09		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	27.20	6.18E+07	0.82	Y	-	-	-
JS 1234-TCDF	25.47	9.43E+07	0.72	Y	-	-	-
JS 123467-HxCDD	39.08	2.47E+07	1.10	Y	-	-	-
CS 37C1-2378-TCDD	27.95	7.04E+06	n/a	-	1.10	1.14	4%
CS 12347-PeCDD	33.53	6.05E+07	1.59	Y	0.79	0.98	23%
CS 12346-PeCDF	31.79	8.87E+07	1.53	Y	0.87	0.94	9%
CS 123469-HxCDF	38.10	6.13E+07	0.54	Y	1.21	1.24	3%
CS 1234689-HpCDF	42.11	5.49E+07	0.43	Y	0.89	1.11	24%
SS 37C1-2378-TCDD	27.95	7.04E+06	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	33.53	6.05E+07	1.59	Y	0.89	1.02	15%
SS 12346-PeCDF	31.79	8.87E+07	1.53	Y	0.99	1.04	5%
SS 123469-HxCDF	38.10	6.13E+07	0.54	Y	0.87	0.83	-4%
SS 1234689-HpCDF	42.11	5.49E+07	0.43	Y	0.87	1.03	18%
AS 1368-TCDD	23.91	5.87E+07	0.82	Y	1.00	0.95	-5%
AS 1368-TCDF	21.72	1.14E+08	0.75	Y	1.20	1.21	1%
FS 1278-TCDD	28.30	7.51E+07	0.78	Y	1.18	1.16	-1%
FS 12478-PeCDD	32.68	6.29E+07	1.62	Y	1.07	1.06	0%
FS 123468-HxCDD	37.49	6.14E+07	1.17	Y	1.29	1.26	-2%
FS 1234679-HpCDD	41.93	5.96E+07	1.05	Y	1.18	1.16	-2%
TS 1378-TCDD	26.09	7.12E+07	0.80	Y	1.12	1.10	-1%
OCDD-a	46.65	2.59E+06	2.17	Y	0.07	0.07	-2%
OCDF-a	46.90	3.37E+06	2.77	Y	0.06	0.06	2%

METHOD 1613B

PCDD/F CALIBRATION VERIFICATION

FORM 4A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P2-09 Analysis Date: 19-JUL-2013 05:10:43

NATIVE ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
2,3,7,8-TCDD	M/M+2	0.76	0.65 - 0.89	Y	10.8	7.8 - 12.9	Y
1,2,3,7,8-PeCDD	M+2/M+4	1.56	1.32 - 1.78	Y	54.1	39 - 65	Y
1,2,3,4,7,8-HxCDD	M+2/M+4	1.28	1.05 - 1.43	Y	55	39 - 64	Y
1,2,3,6,7,8-HxCDD	M+2/M+4	1.30	1.05 - 1.43	Y	53.8	39 - 64	Y
1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05 - 1.43	Y	54.6	41 - 61	Y
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88 - 1.20	Y	51.7	43 - 58	Y
OCDD	M+2/M+4	0.89	0.76 - 1.02	Y	103	79 - 126	Y
2,3,7,8-TCDF	M/M+2	0.77	0.65 - 0.89	Y	10.8	8.4 - 12	Y
1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32 - 1.78	Y	55.6	41 - 60	Y
2,3,4,7,8-PeCDF	M+2/M+4	1.61	1.32 - 1.78	Y	54.3	41 - 61	Y
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05 - 1.43	Y	52.6	45 - 56	Y
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.2	44 - 57	Y
2,3,4,6,7,8-HxCDF	M+2/M+4	1.26	1.05 - 1.43	Y	53.8	44 - 57	Y
1,2,3,7,8,9-HxCDF	M+2/M+4	1.25	1.05 - 1.43	Y	53.3	45 - 56	Y
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.03	0.88 - 1.20	Y	52	45 - 55	Y
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88 - 1.20	Y	51.2	43 - 58	Y
OCDF	M+2/M+4	0.91	0.76 - 1.02	Y	108	63 - 159	Y

See Table 9, Method 1613, for m/z specifications.

Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

Contract-required concentration range as specified in Table 6, Method 1613.

METHOD 1613B**PCDD/F CALIBRATION VERIFICATION****FORM 4B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P2-09 Analysis Date: 19-JUL-2013 05:10:43

LABELED ANALYTES	M/Z's FORMING RATIO	ION ABUND. RATIO	QC LIMITS	OK	CONC. FOUND	RANGE (ng/mL)	OK
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65 - 0.89	Y	103	82 - 121	Y
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32 - 1.78	Y	107	62 - 160	Y
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.17	1.05 - 1.43	Y	99.6	85 - 117	Y
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.14	1.05 - 1.43	Y	93.7	85 - 118	Y
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.18	1.05 - 1.43	Y	98.9	85 - 118	Y
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88 - 1.20	Y	115	72 - 138	Y
13C-OCDD	M+2/M+4	0.90	0.76 - 1.02	Y	216	96 - 415	Y
13C-2,3,7,8-TCDF	M/M+2	0.74	0.65 - 0.89	Y	98.7	71 - 140	Y
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.49	1.32 - 1.78	Y	103	76 - 130	Y
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.50	1.32 - 1.78	Y	101	77 - 130	Y
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	107	76 - 131	Y
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	107	70 - 143	Y
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.55	0.43 - 0.59	Y	108	73 - 137	Y
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43 - 0.59	Y	116	74 - 135	Y
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	105	78 - 129	Y
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	118	77 - 129	Y
13C-OCDF	M+2/M+4	0.89	0.76 - 1.02	Y	219	96 - 415	Y
CLEANUP STANDARDS							
37Cl-2,3,7,8-TCDD	n/a				10.4	7.9 - 12.7	Y
13C-1,2,3,4,7-PeCDD	M+2/M+4	1.59	1.32 - 1.78	Y	123	70 - 130	Y
13C-1,2,3,4,6-PeCDF	M+2/M+4	1.53	1.32 - 1.78	Y	109	70 - 130	Y
13C-1,2,3,4,6,9-HxCDF	M/M+2	0.54	0.43 - 0.59	Y	103	70 - 130	Y
13C-1,2,3,4,6,8,9-HpCDF	M/M+2	0.43	0.37 - 0.51	Y	124	70 - 130	Y

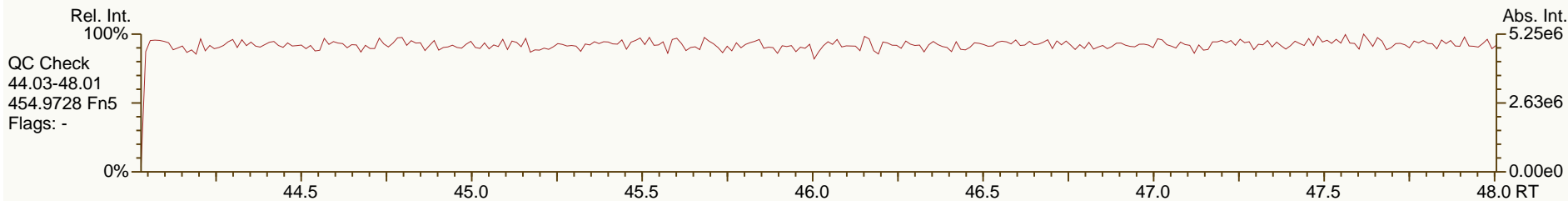
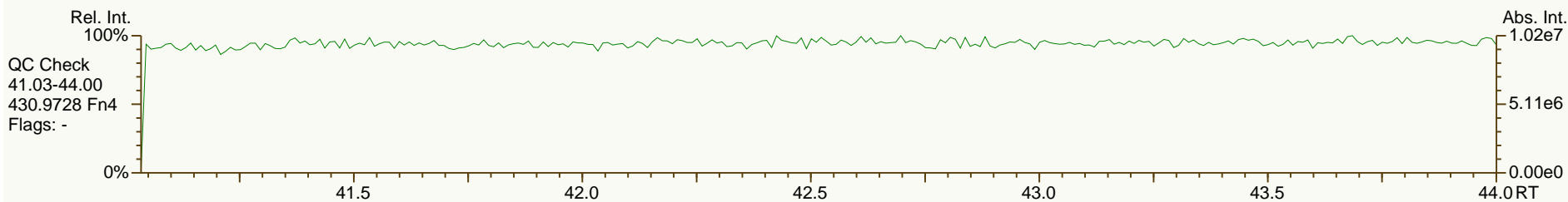
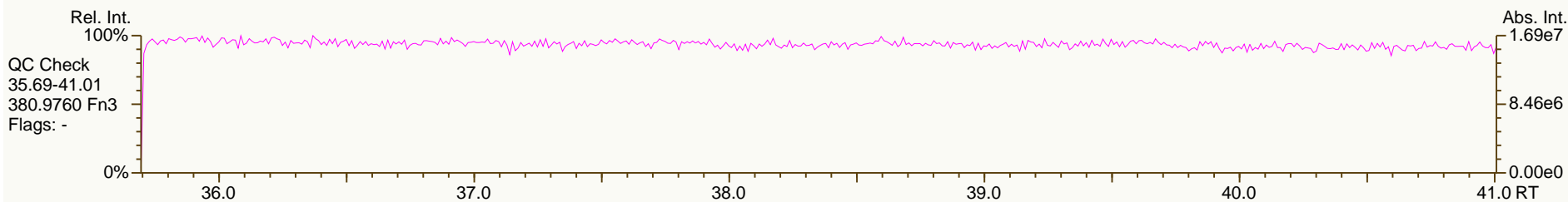
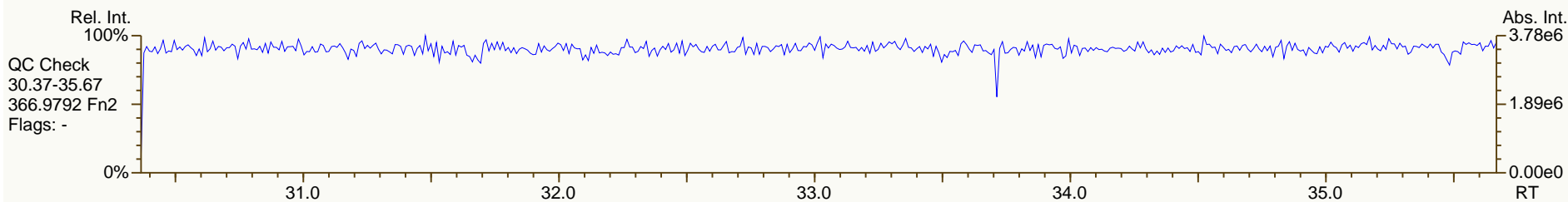
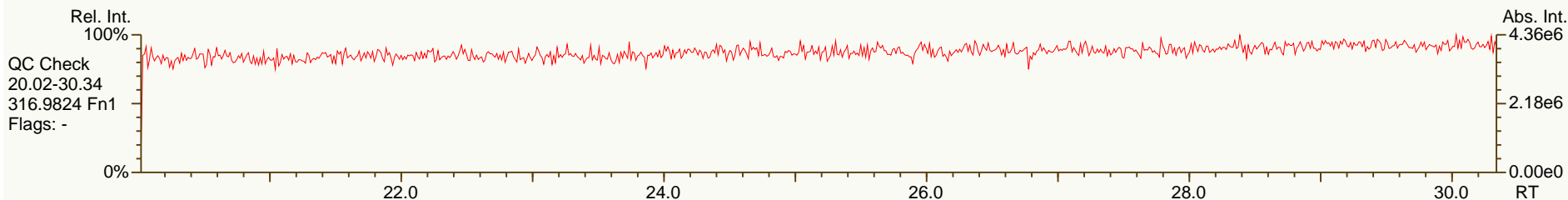
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Analyst: MC

SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

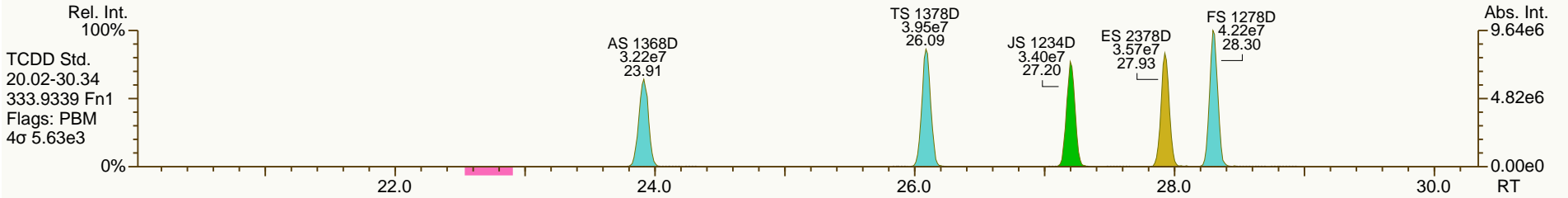
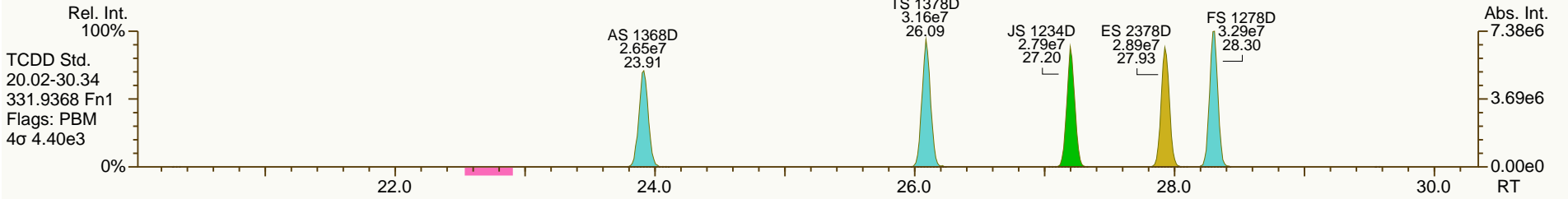
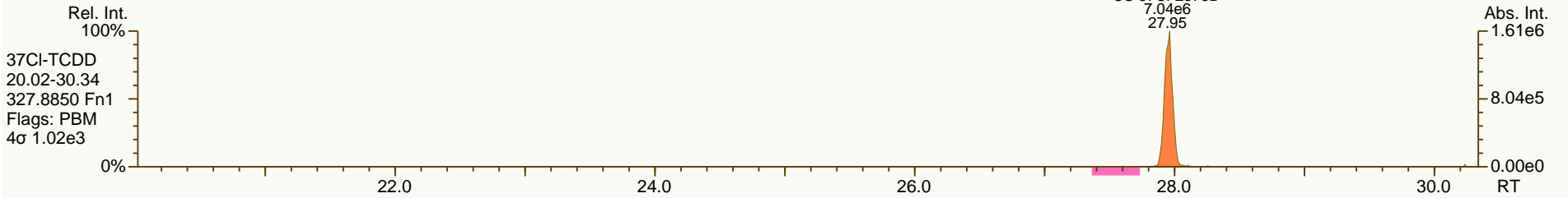
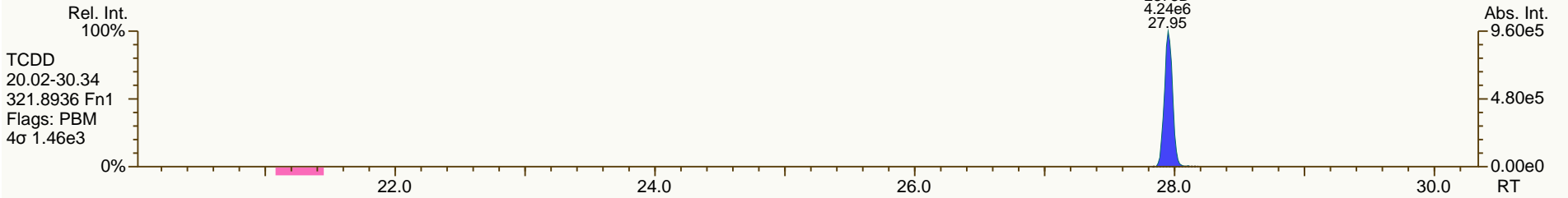
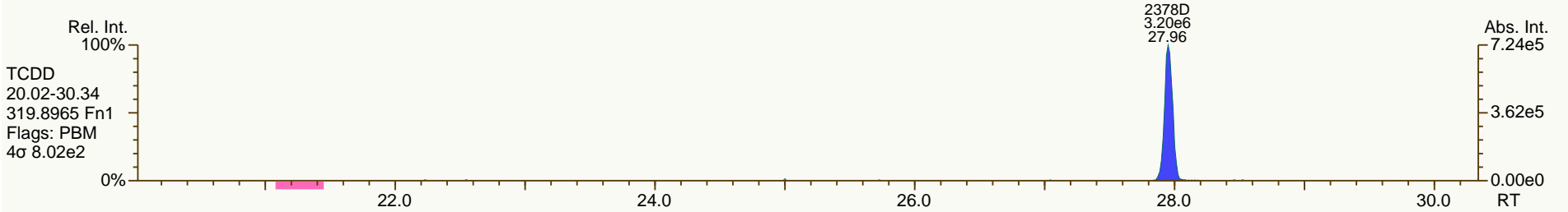
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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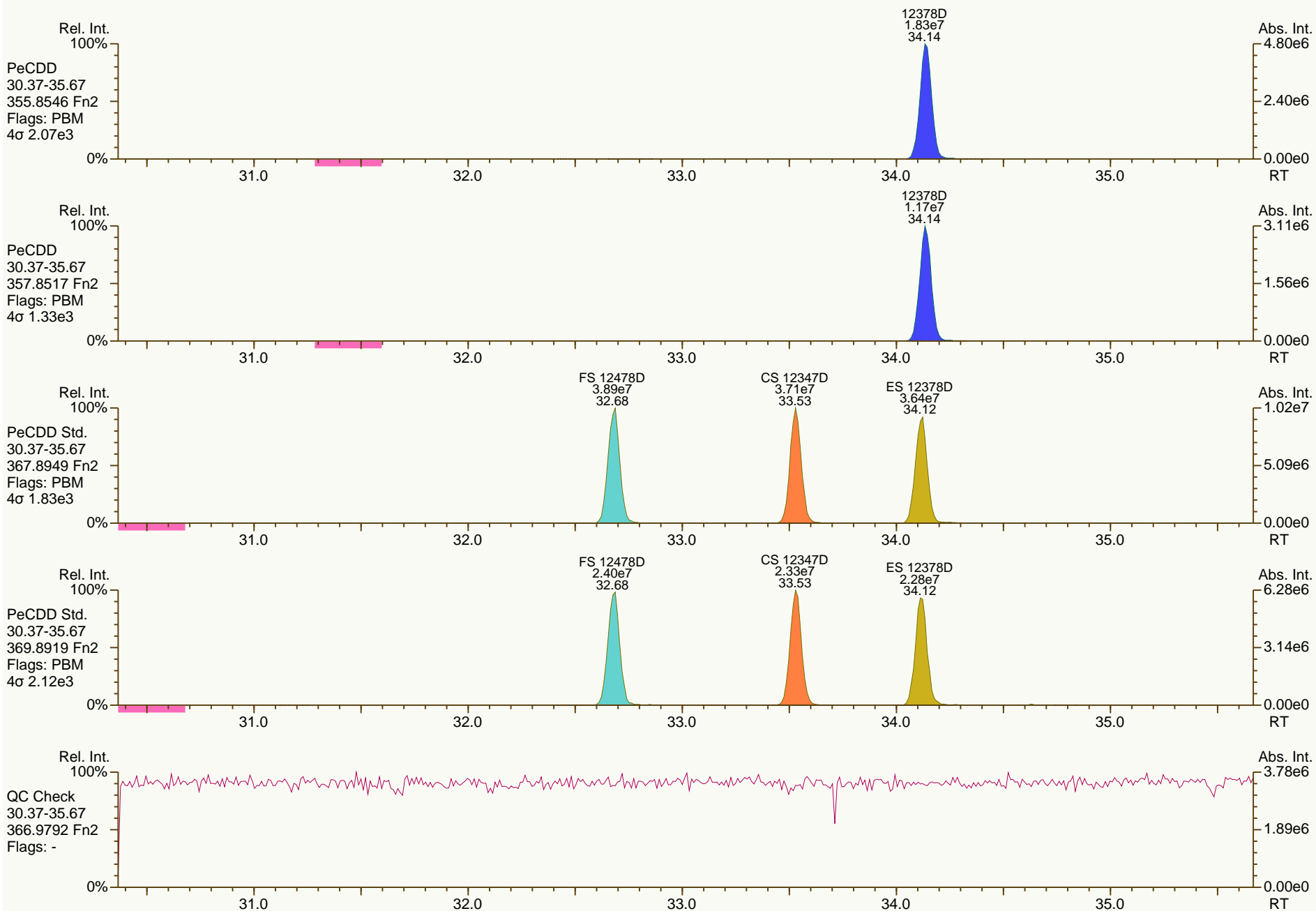
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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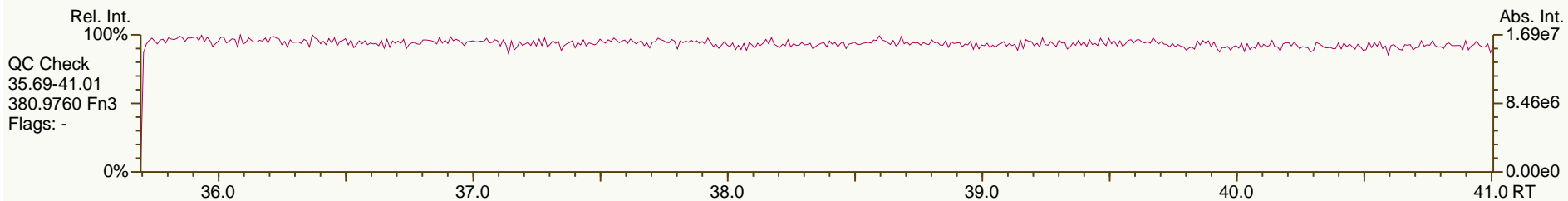
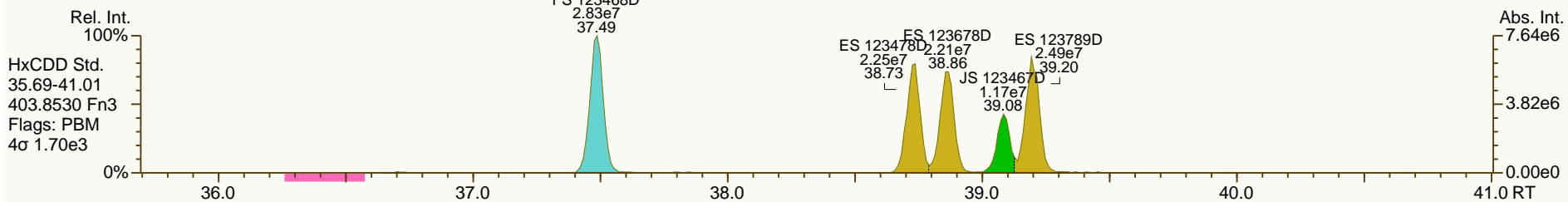
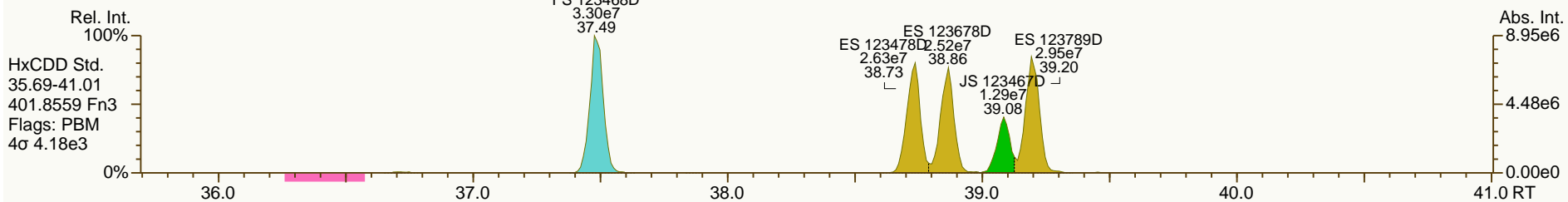
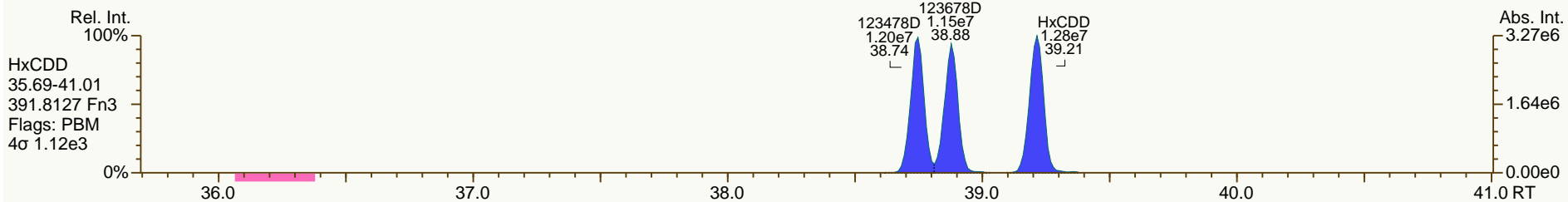
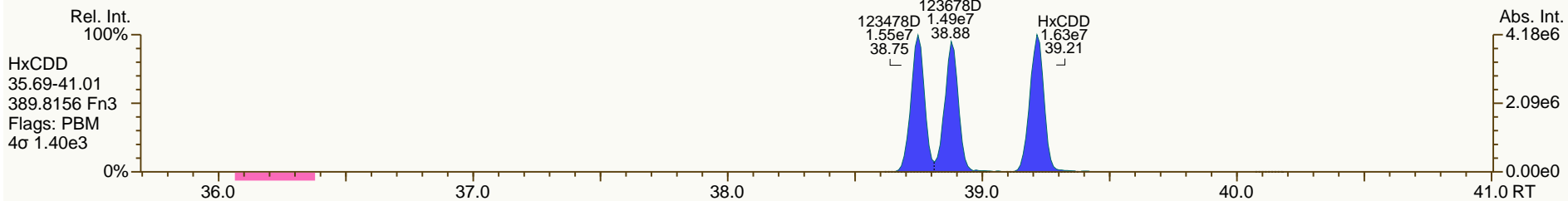
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SGS-AP ID: CS3_PC
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

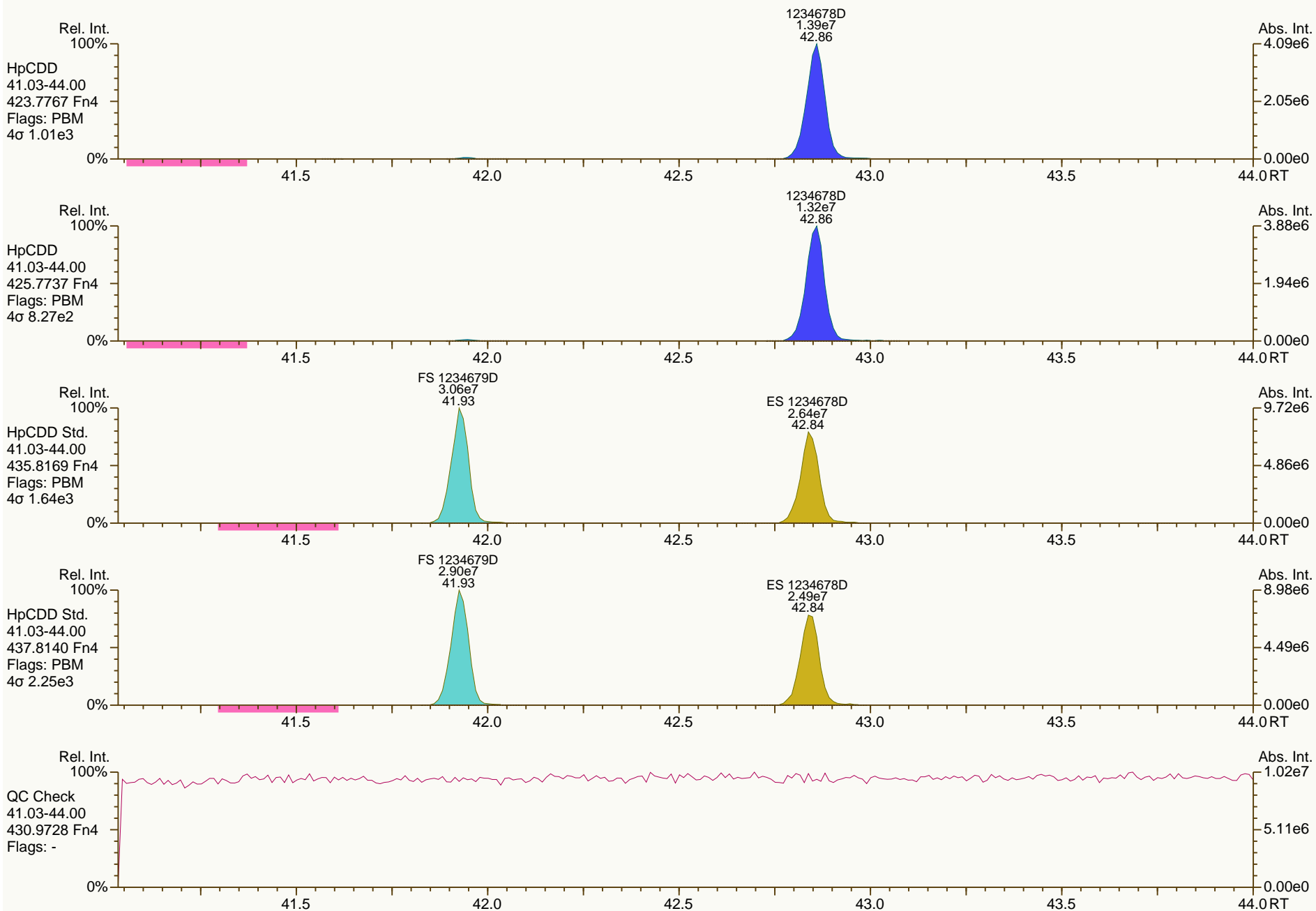
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SGS-AP ID: CS3_PC
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Sample ID: 11012012A
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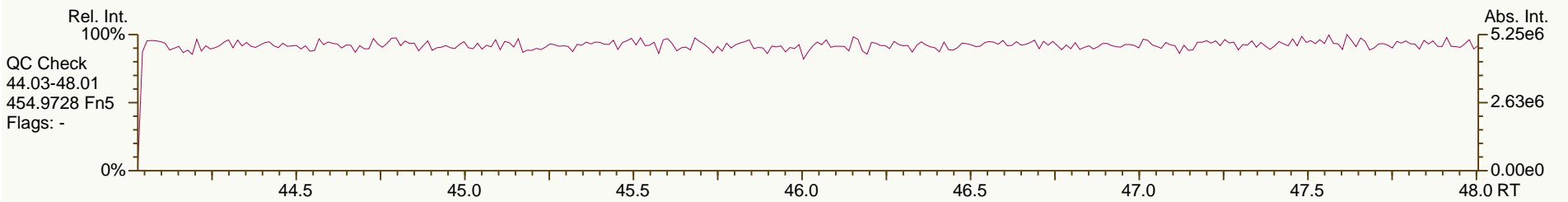
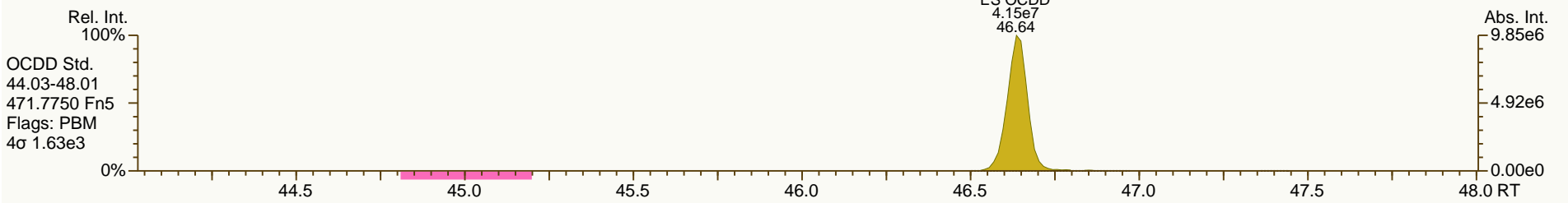
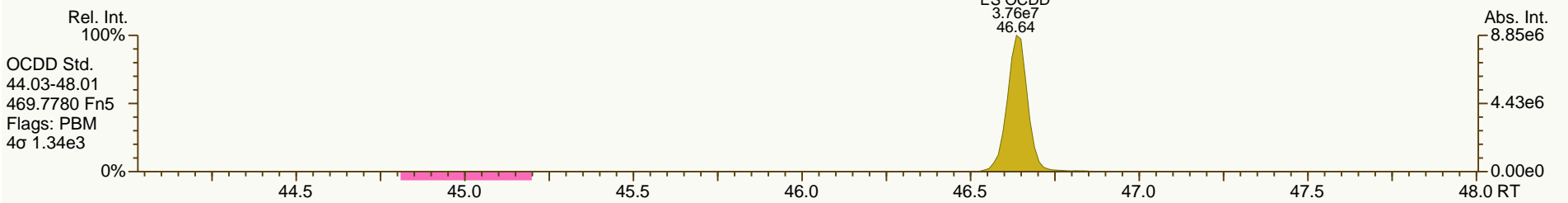
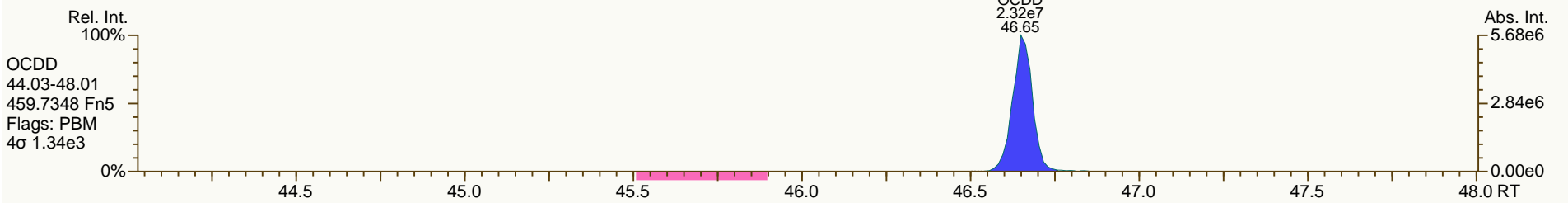
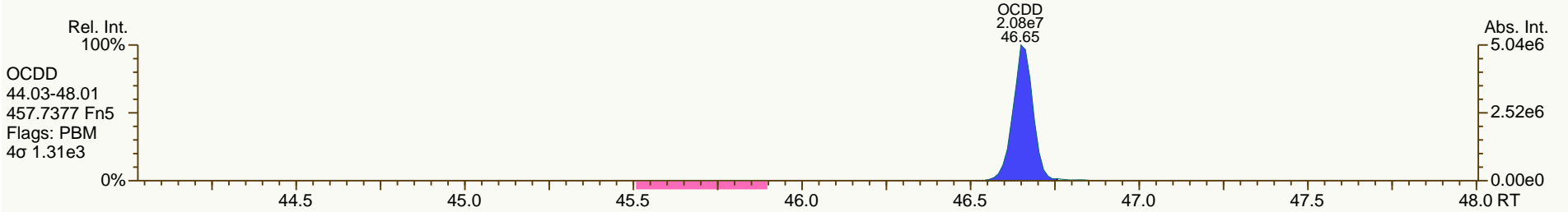
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

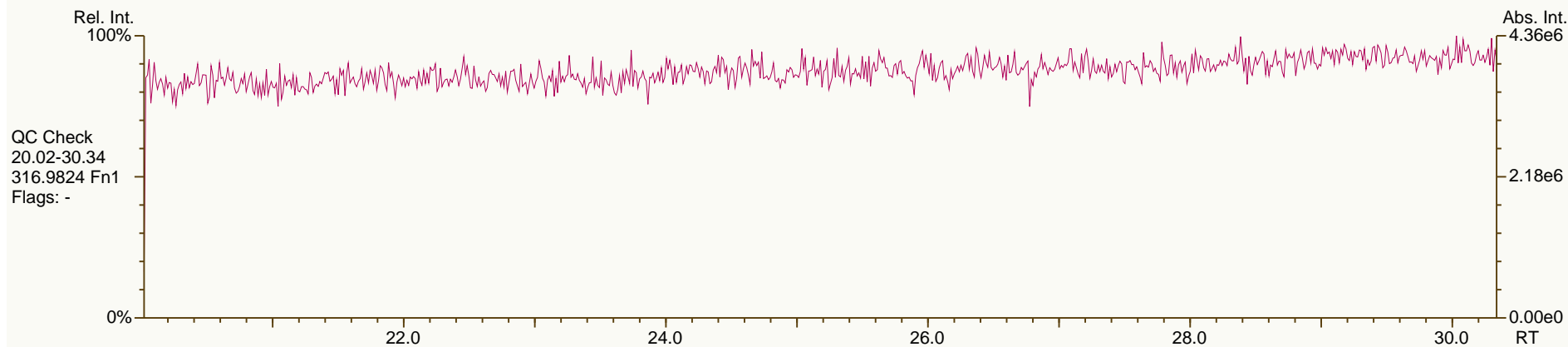
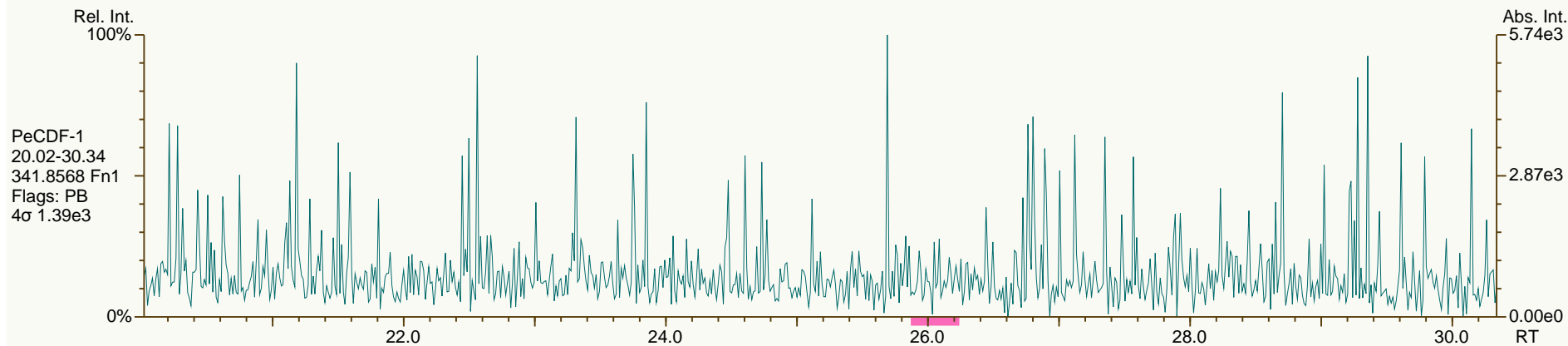
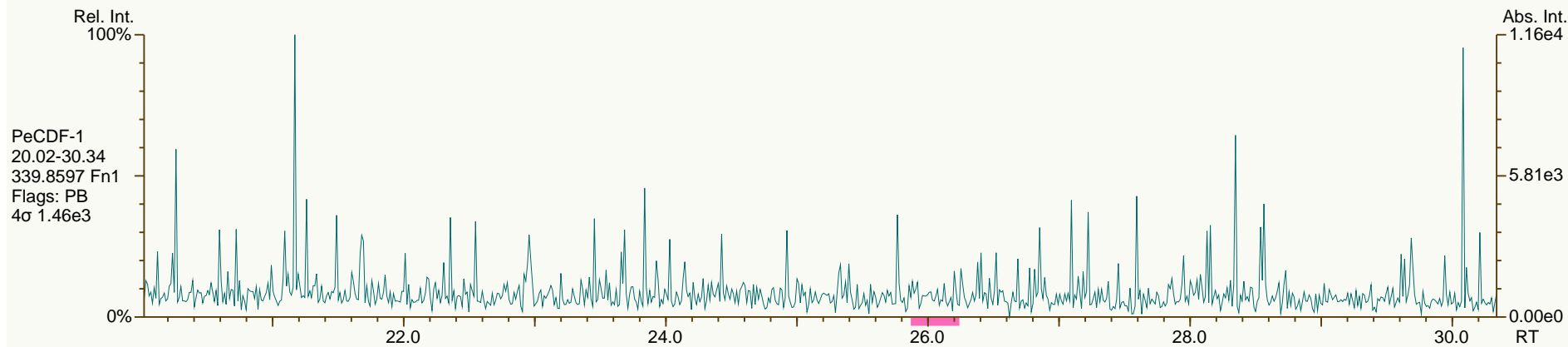
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

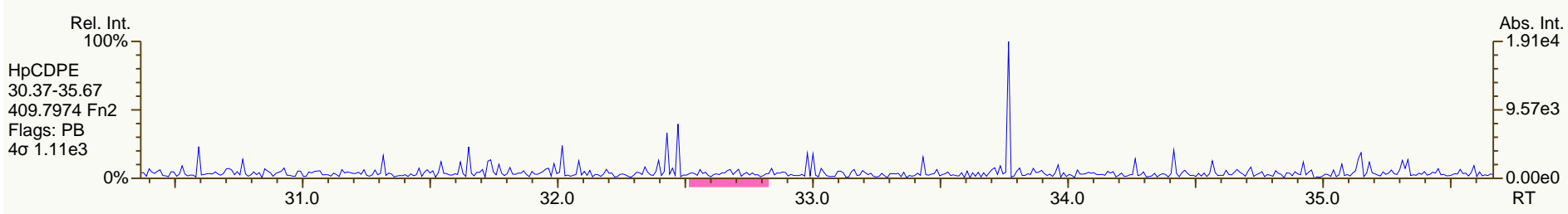
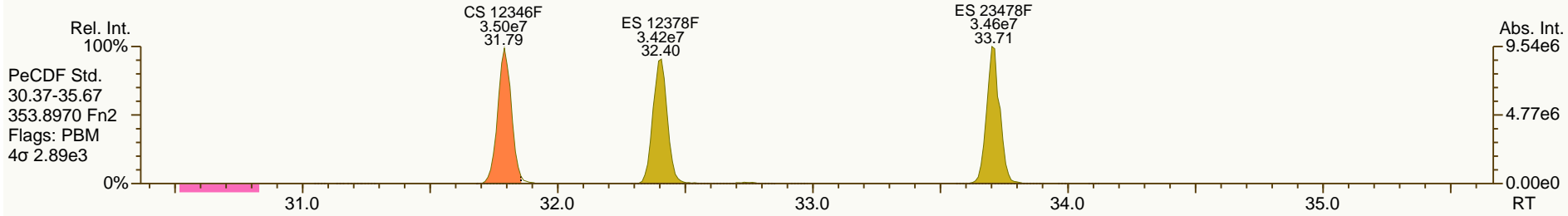
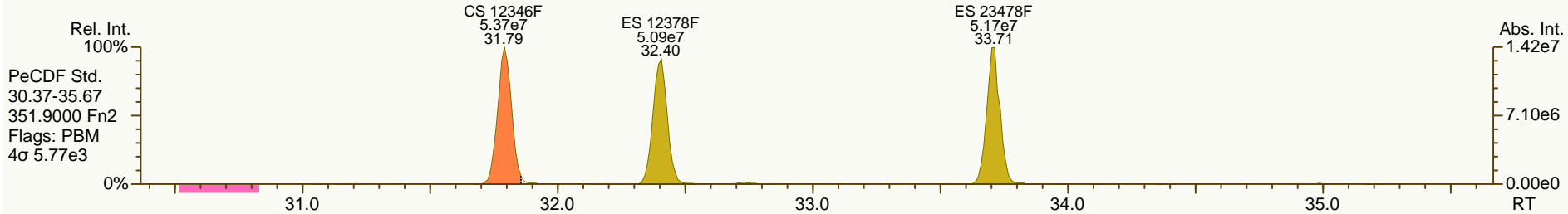
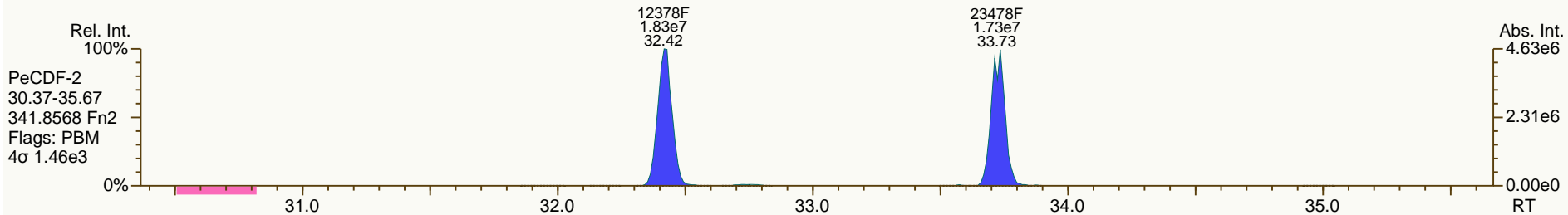
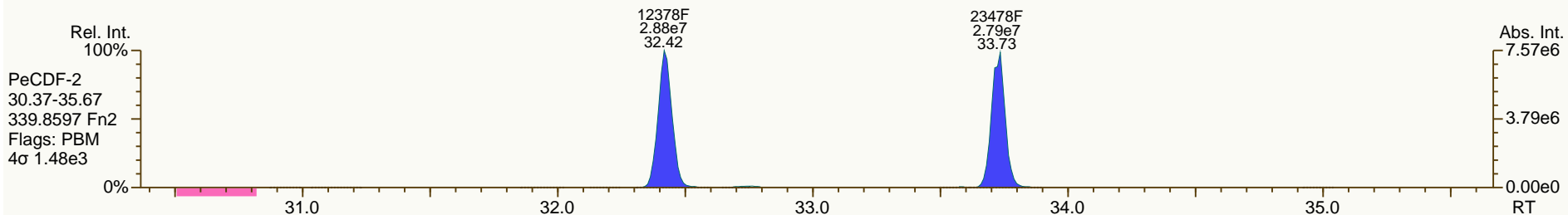
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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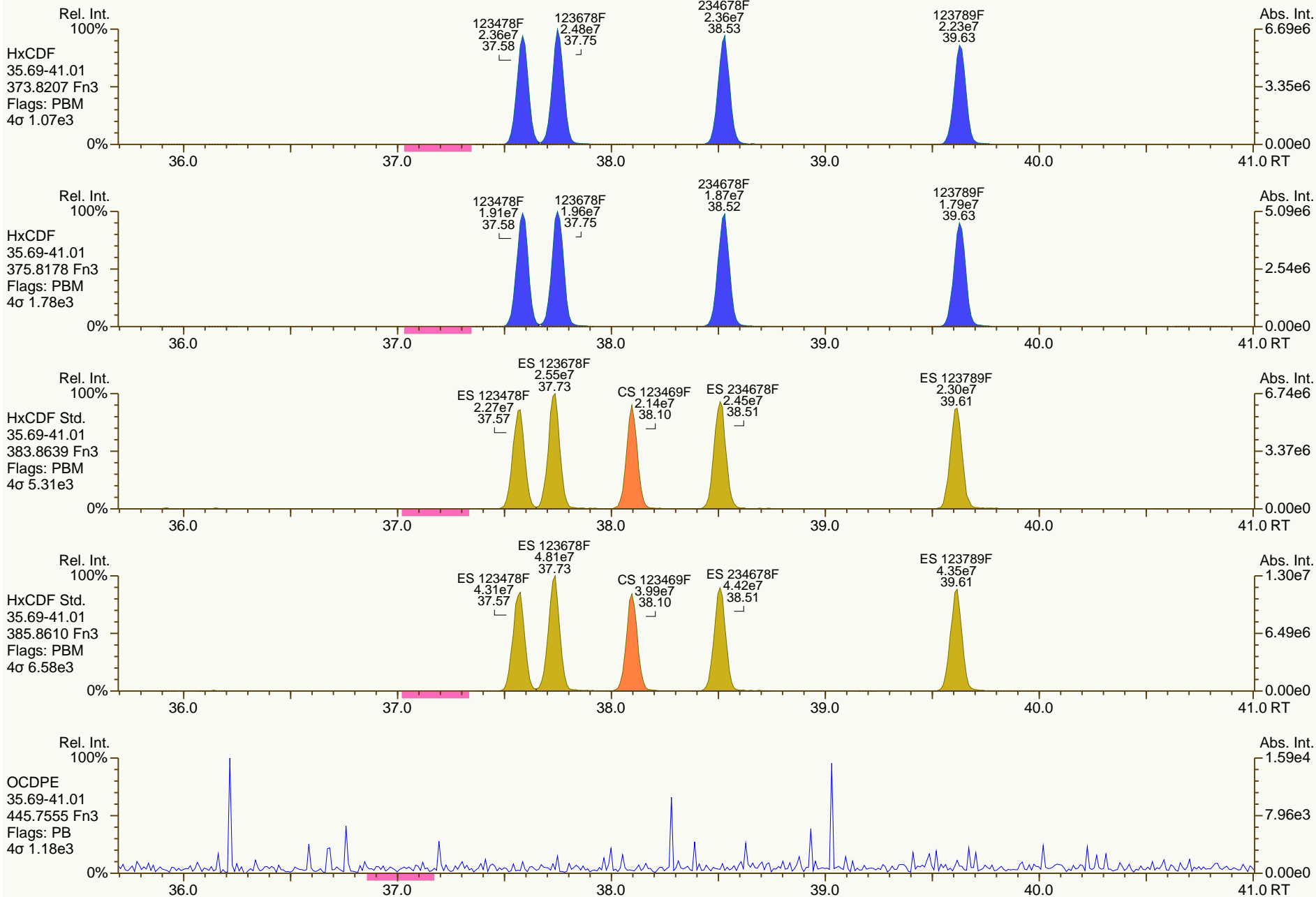
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SGS-AP ID: CS3_PC
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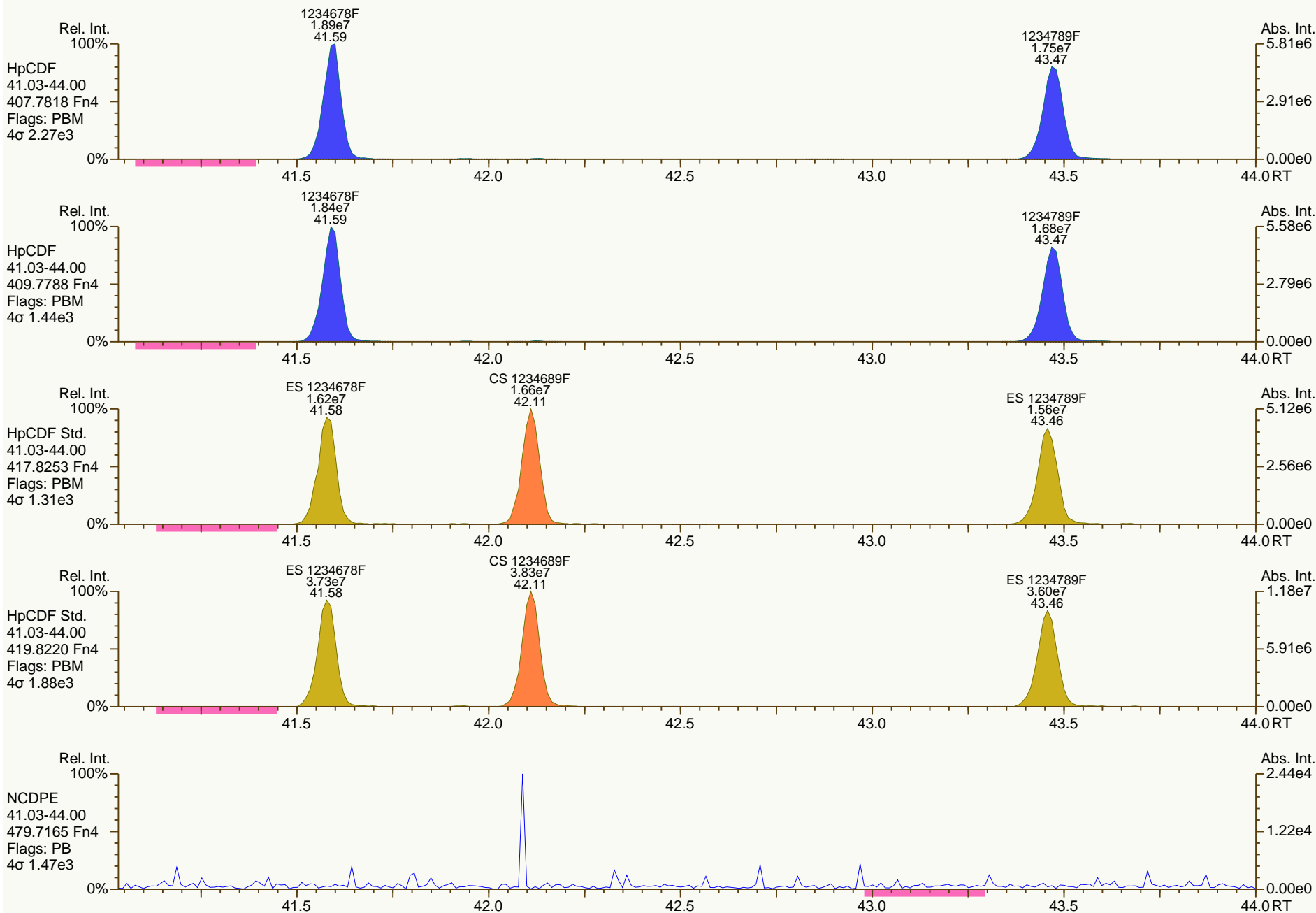
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

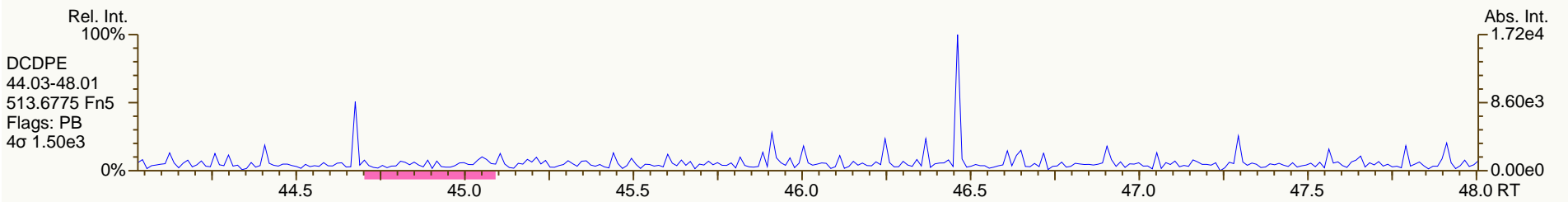
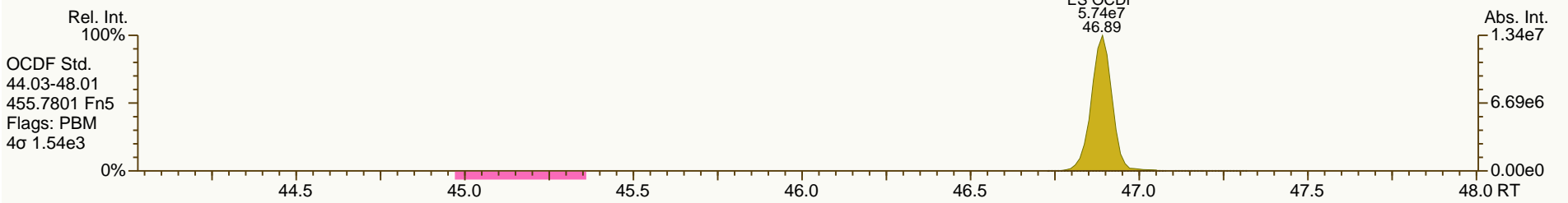
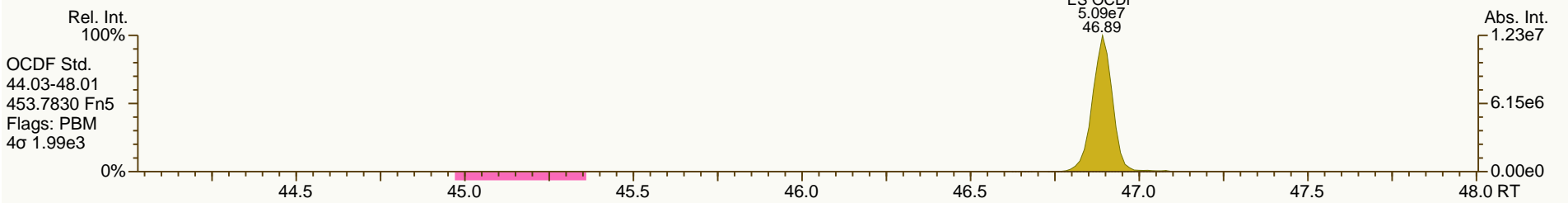
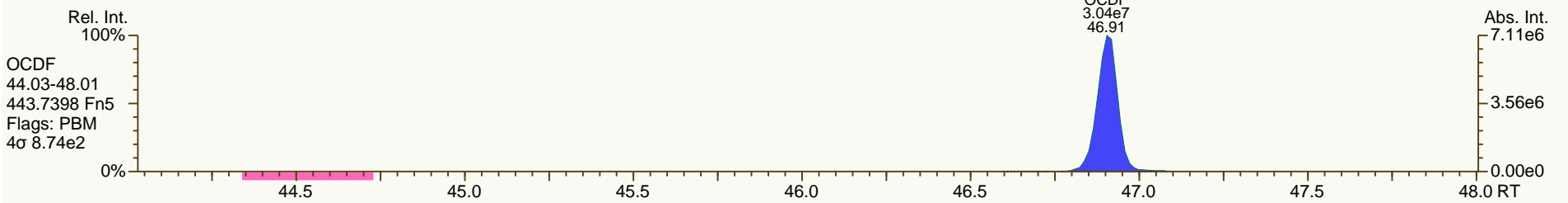
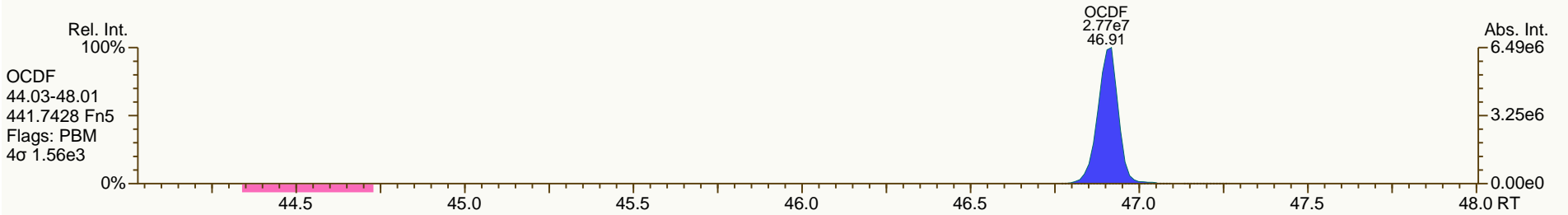
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SGS-AP ID: CS3_PC
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 7

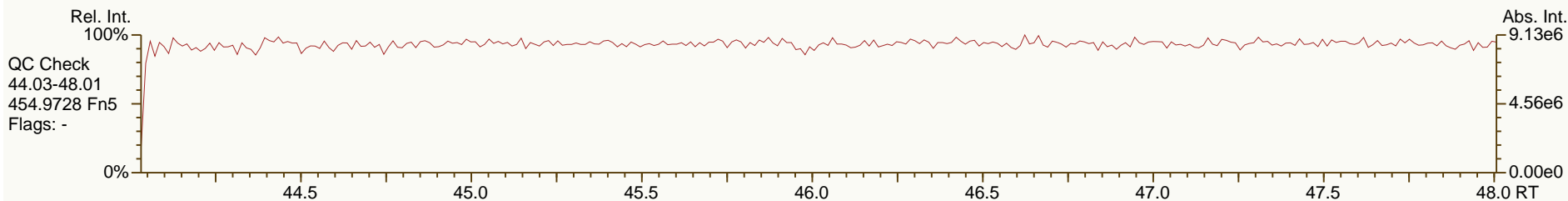
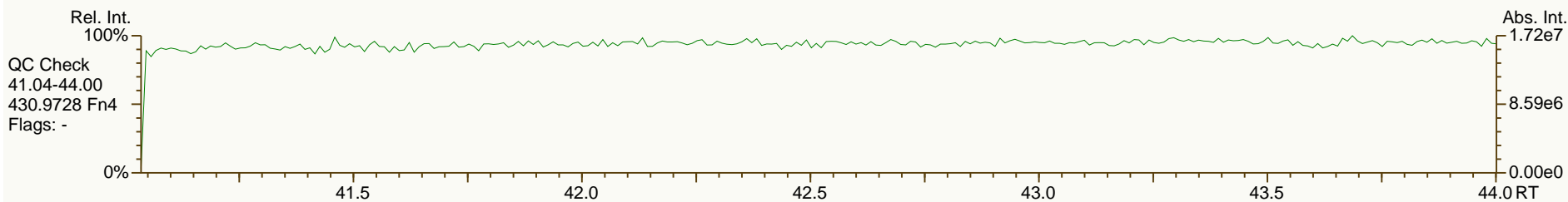
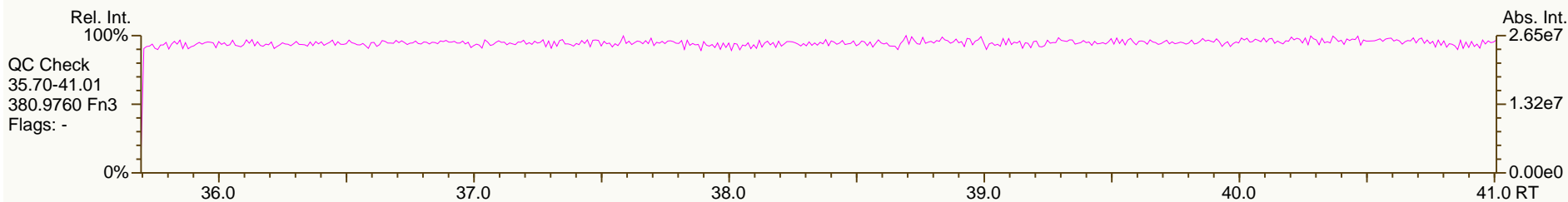
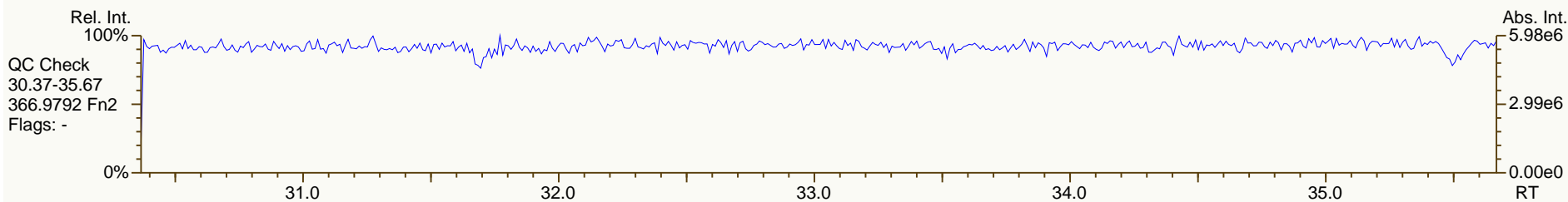
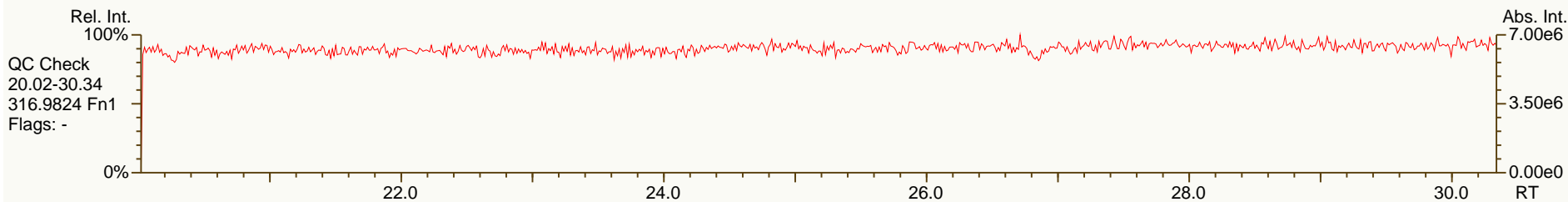
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

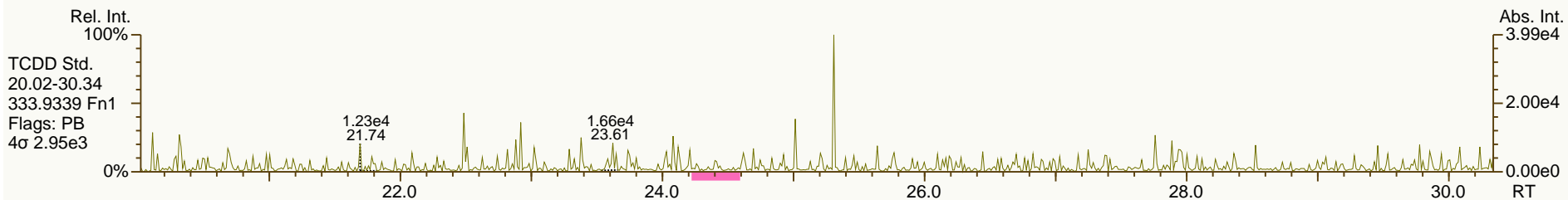
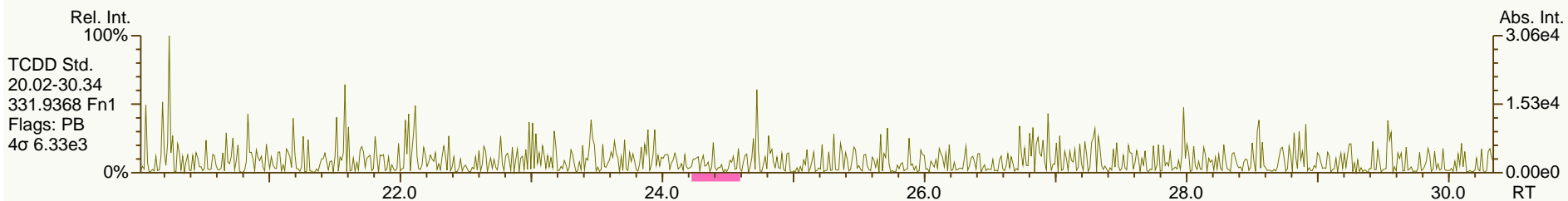
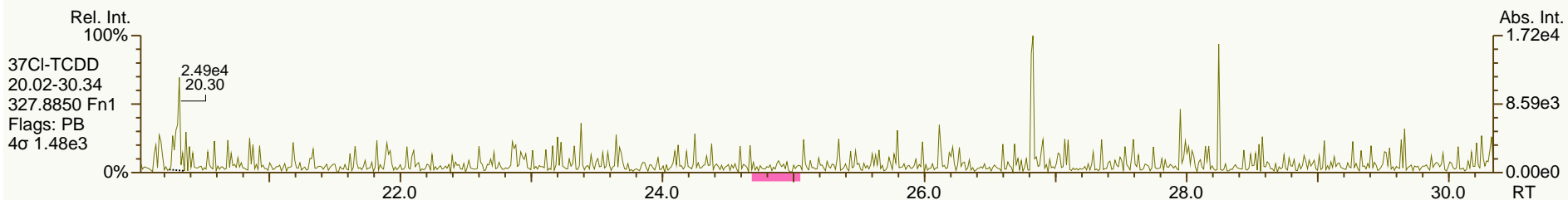
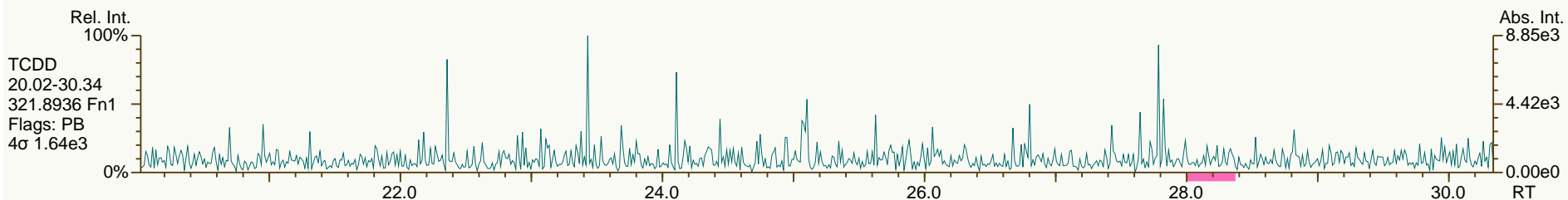
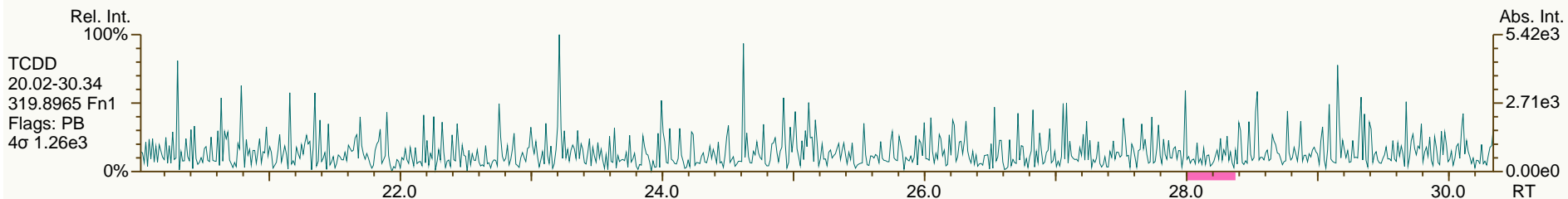
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SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

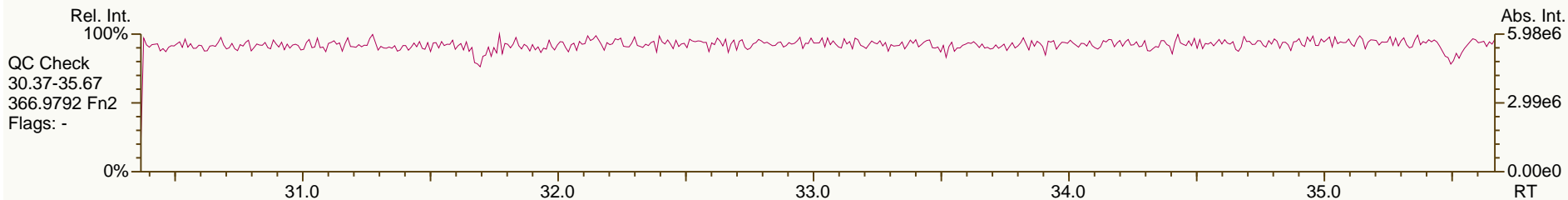
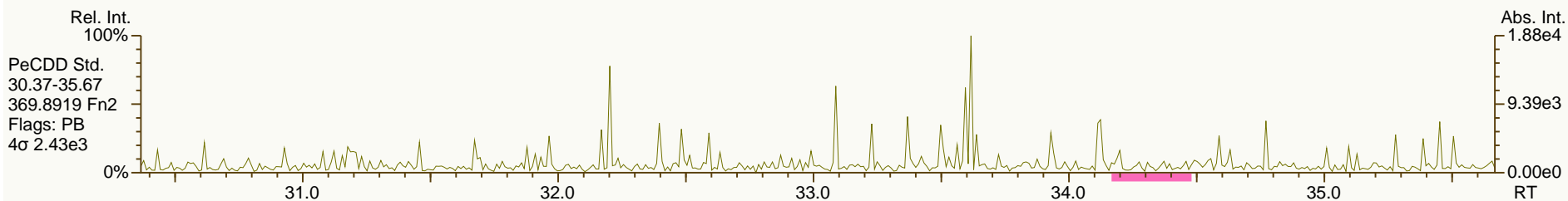
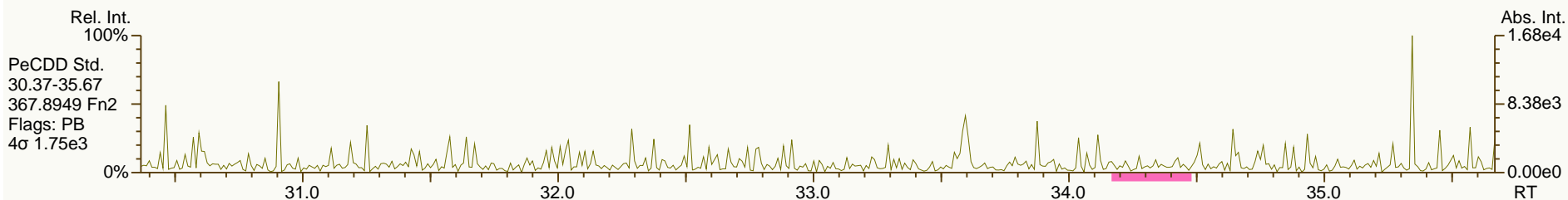
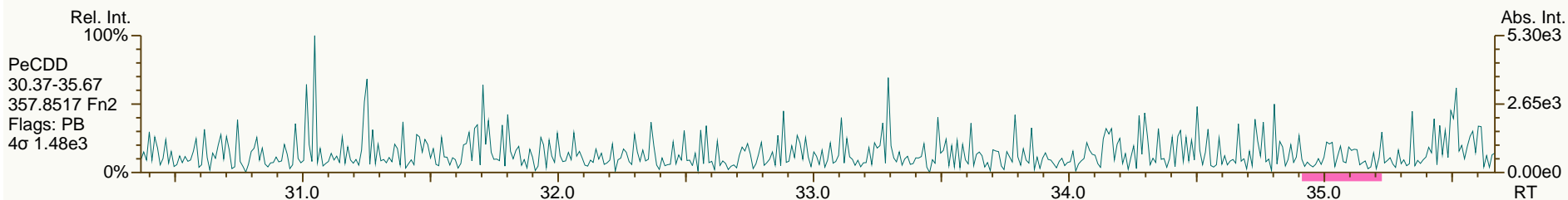
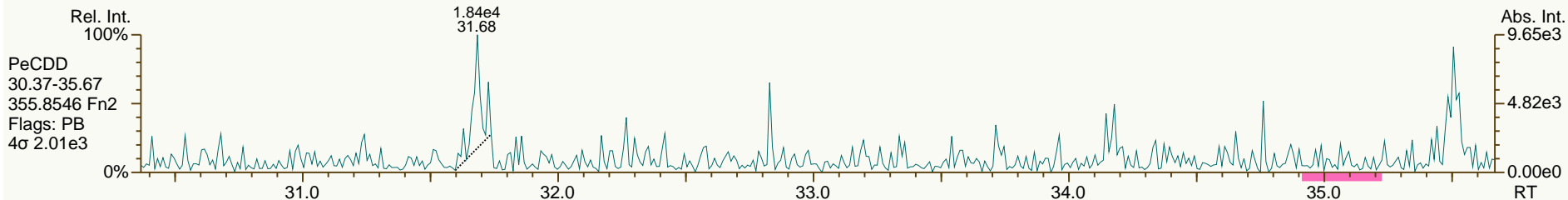
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

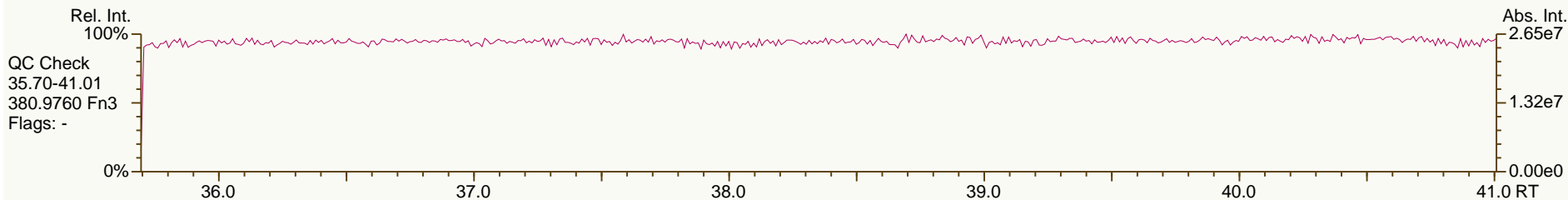
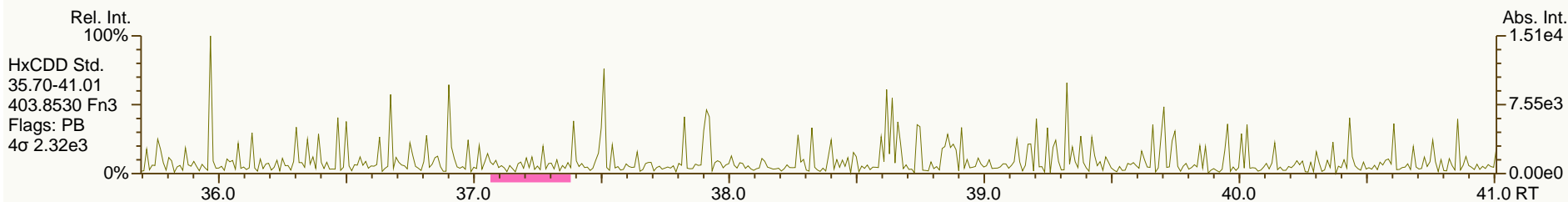
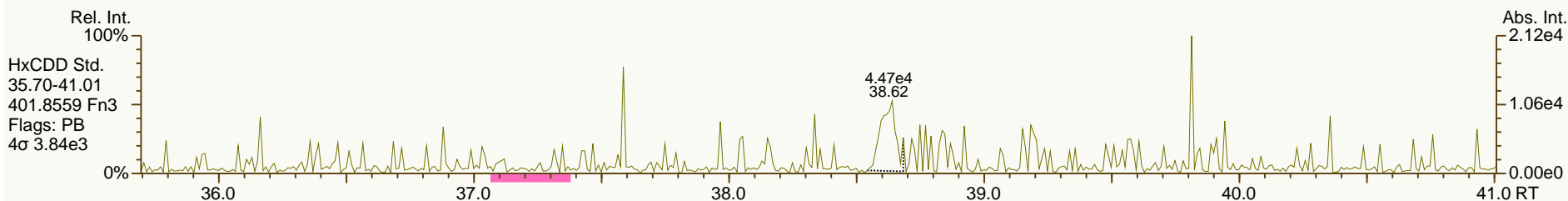
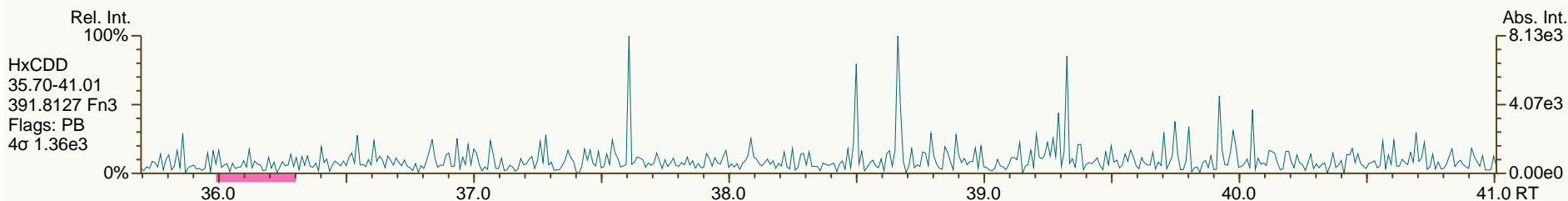
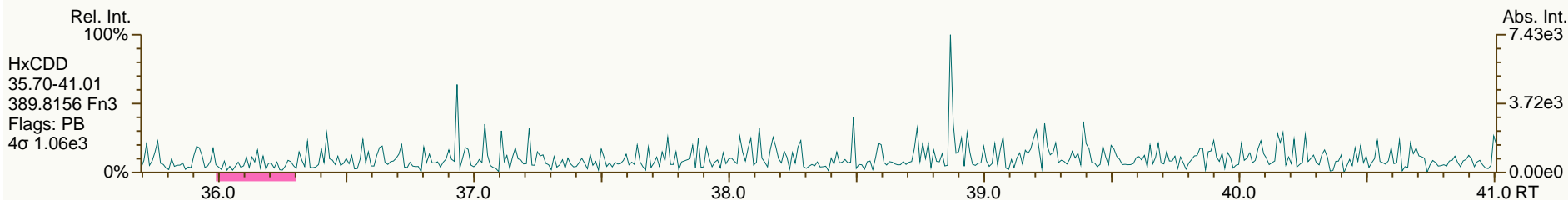
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

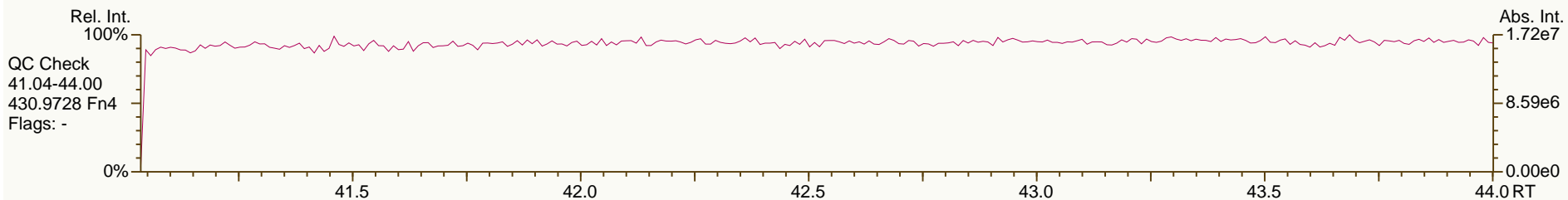
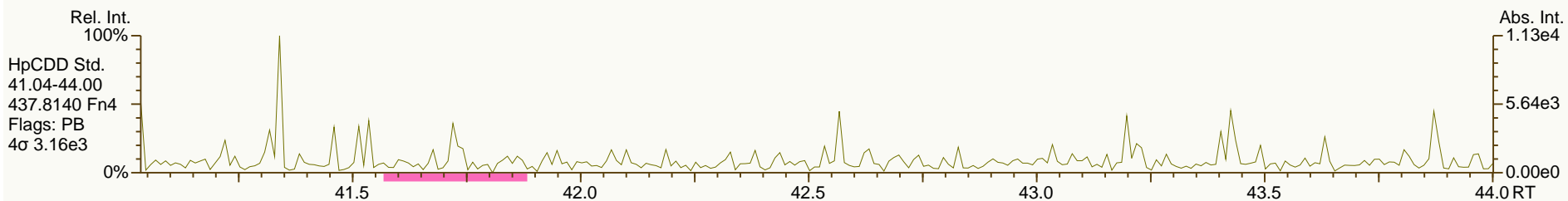
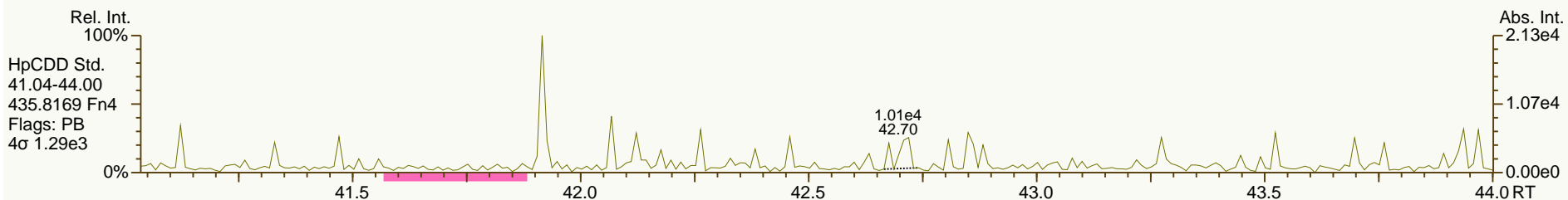
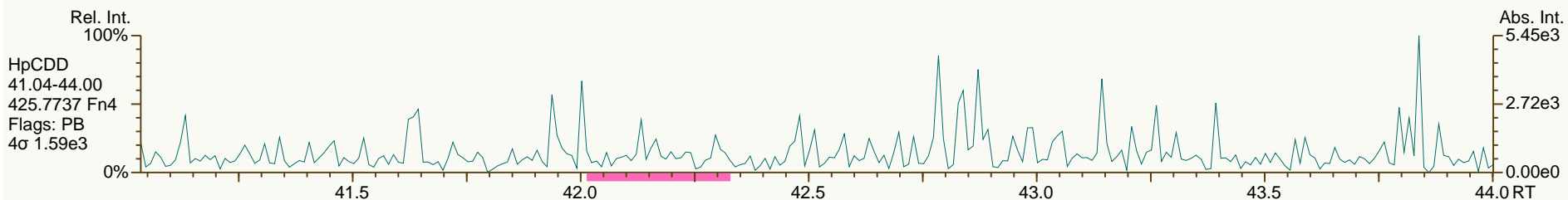
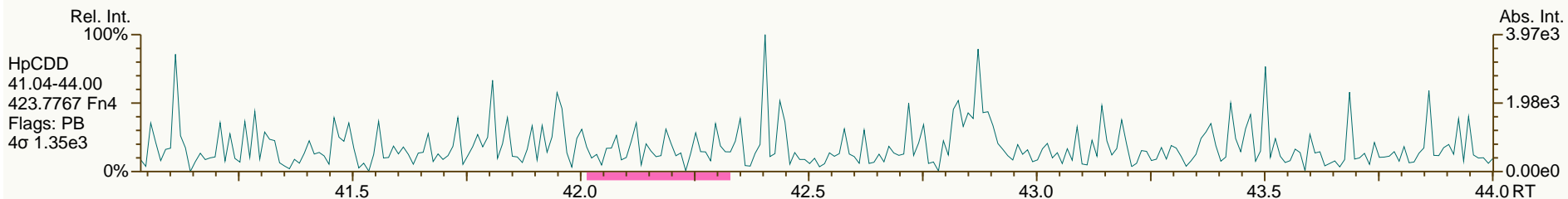
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SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

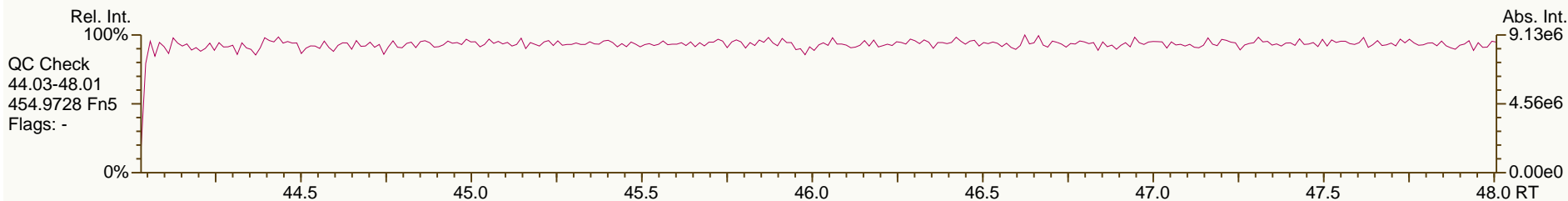
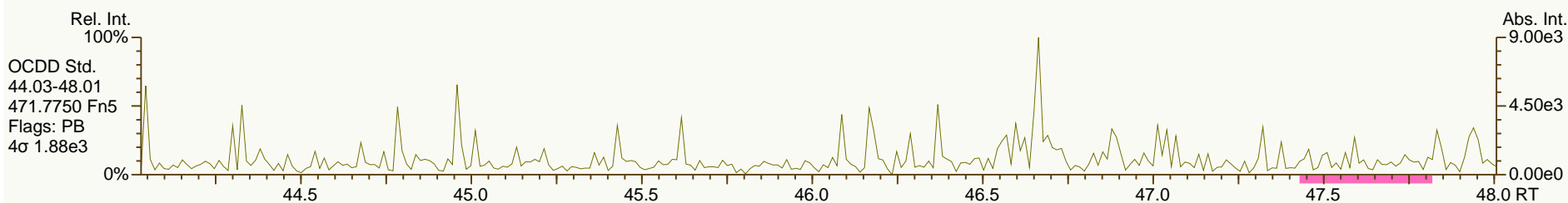
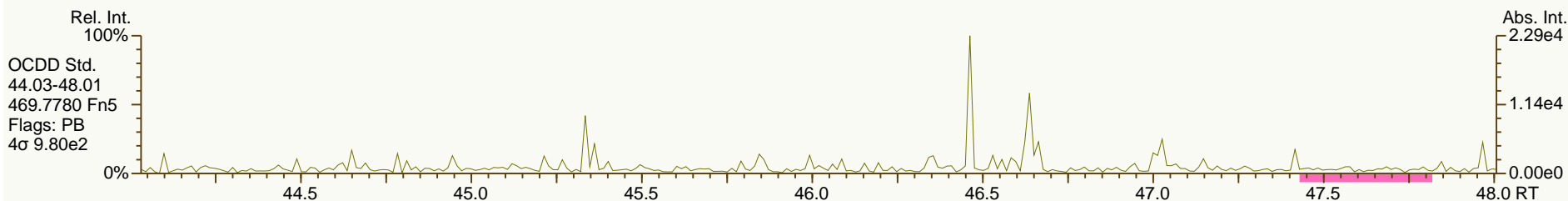
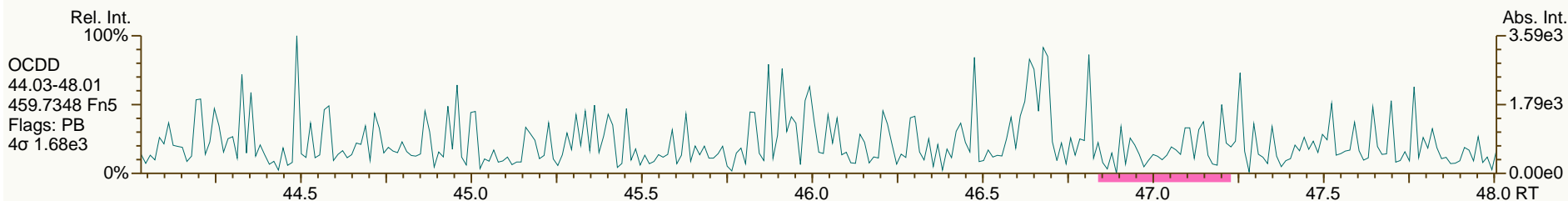
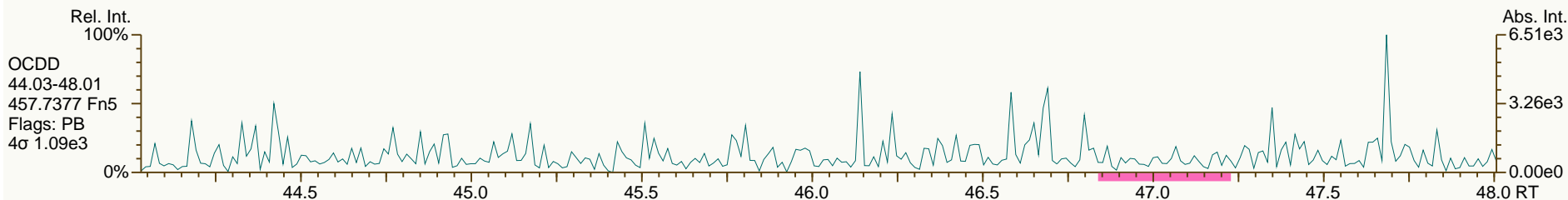
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

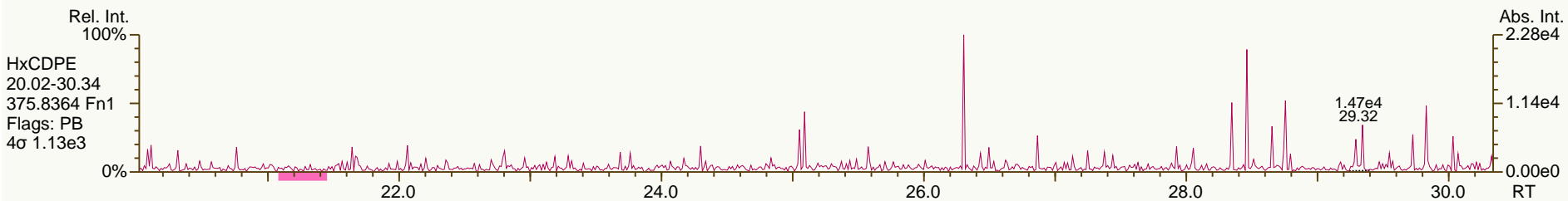
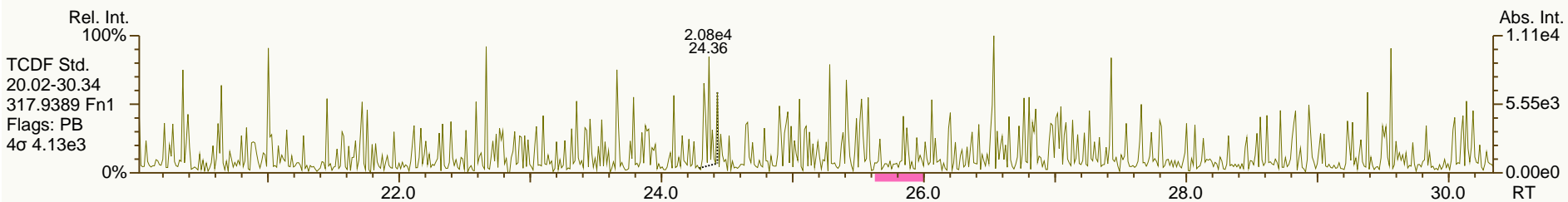
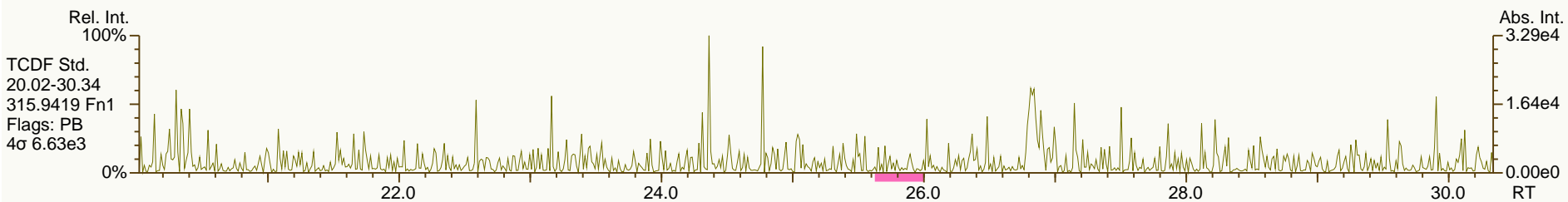
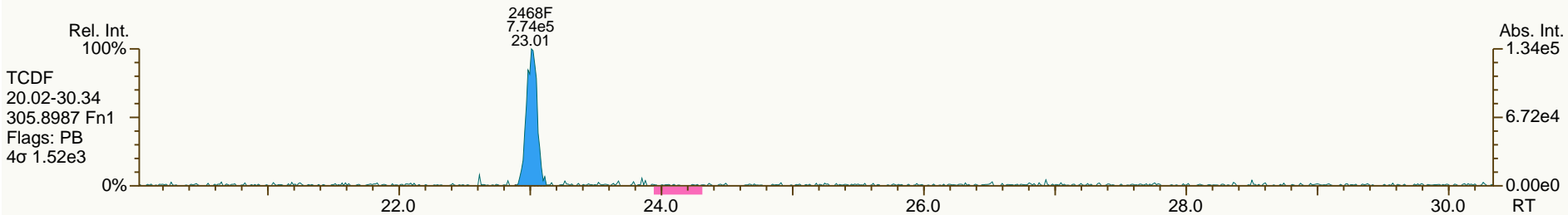
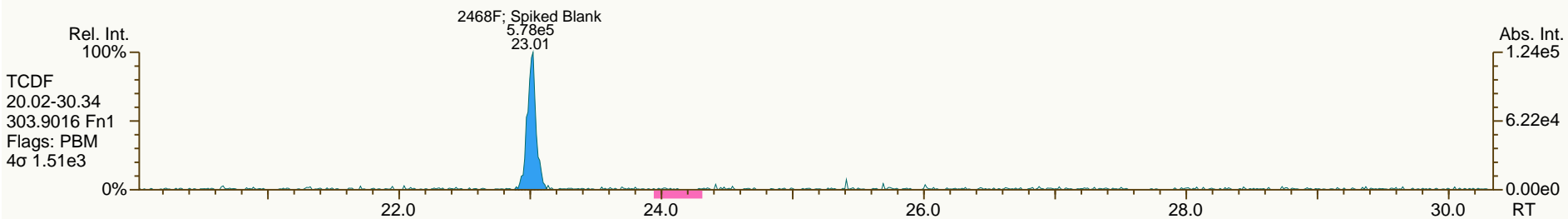
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SGS-AP ID: SBS_130718_DF_PA
 Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

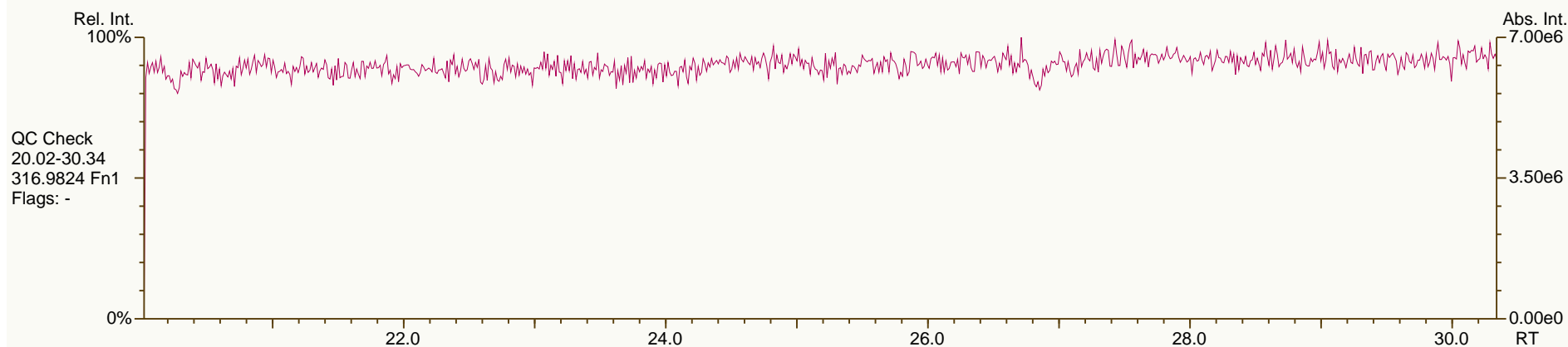
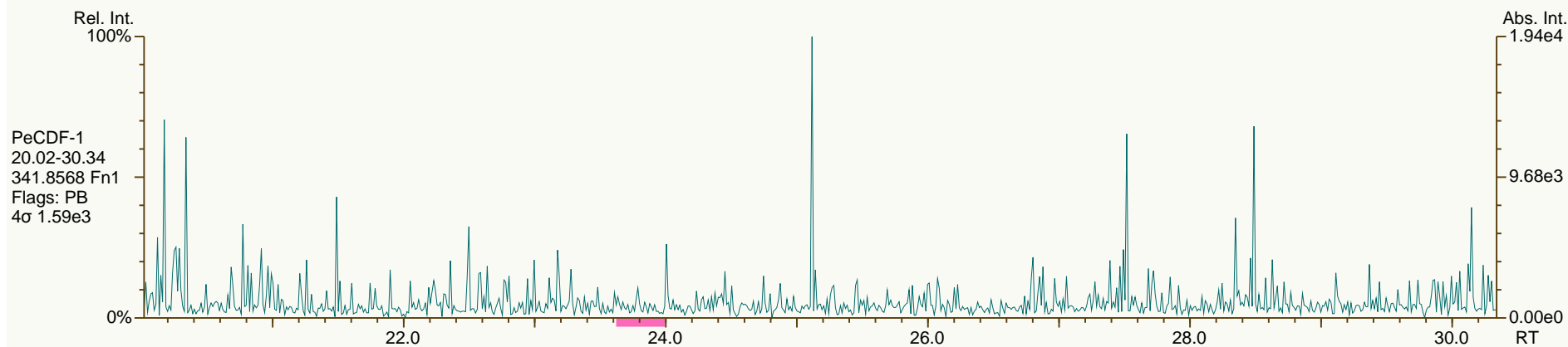
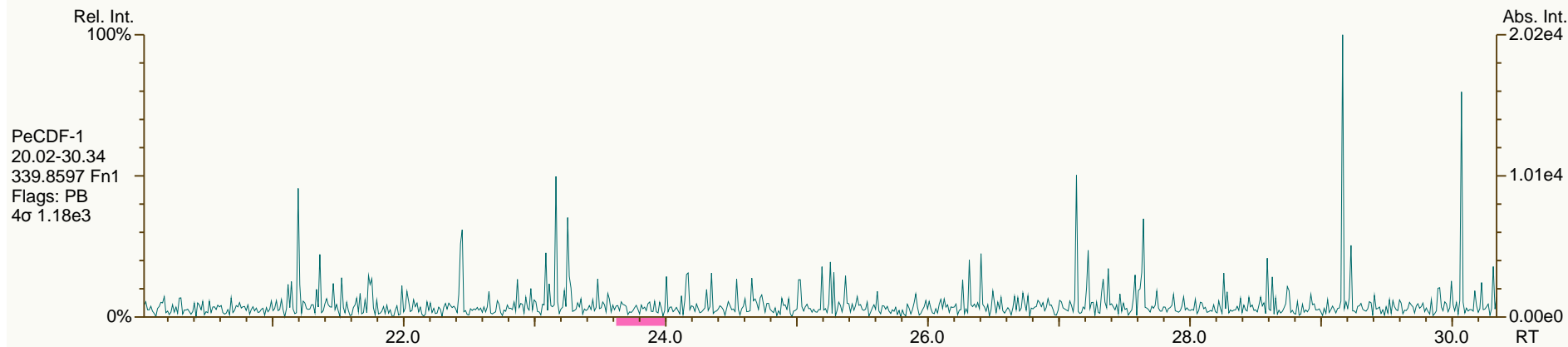
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 User: MDC Datafile: 130718P1-03



SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

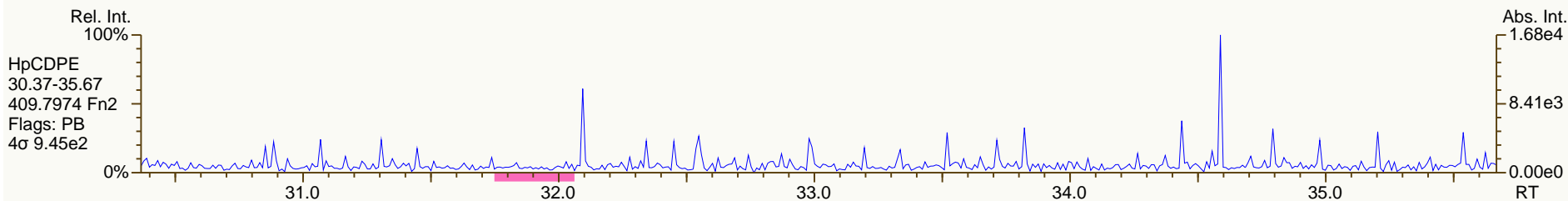
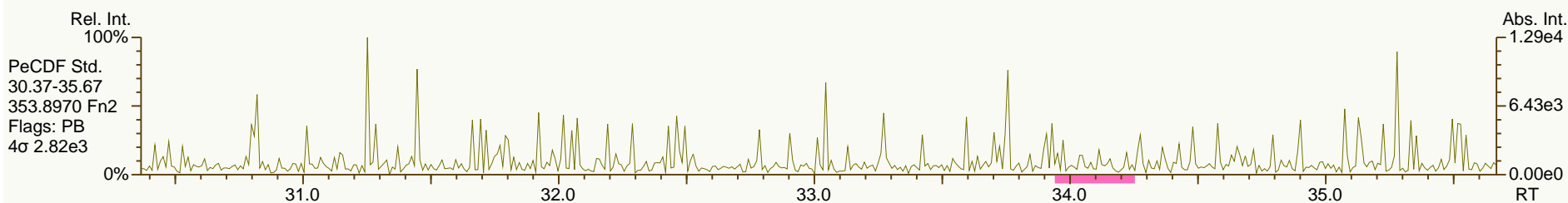
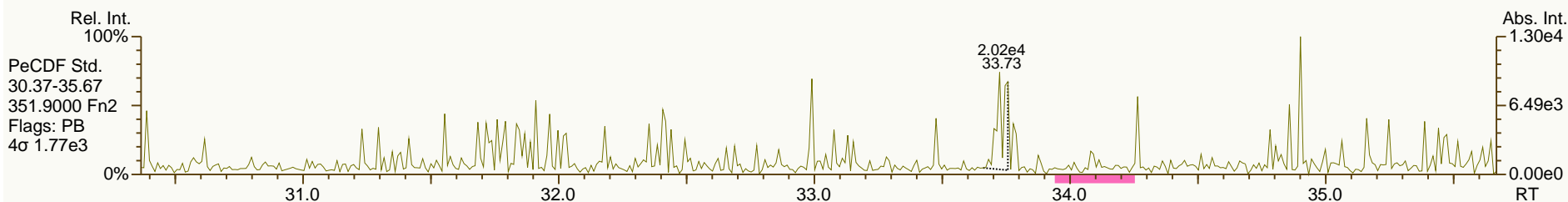
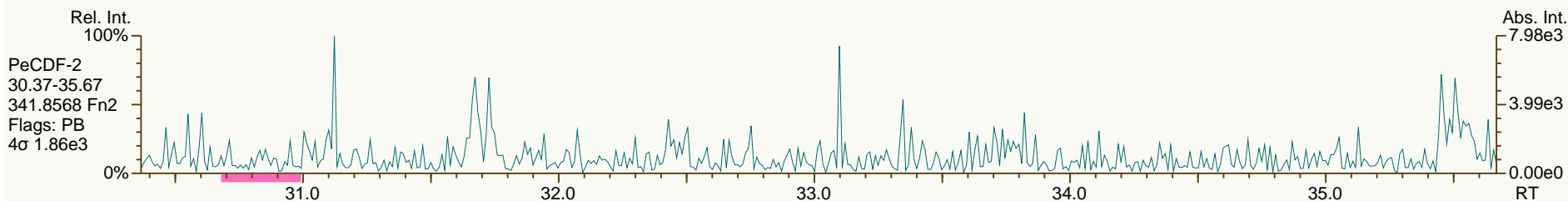
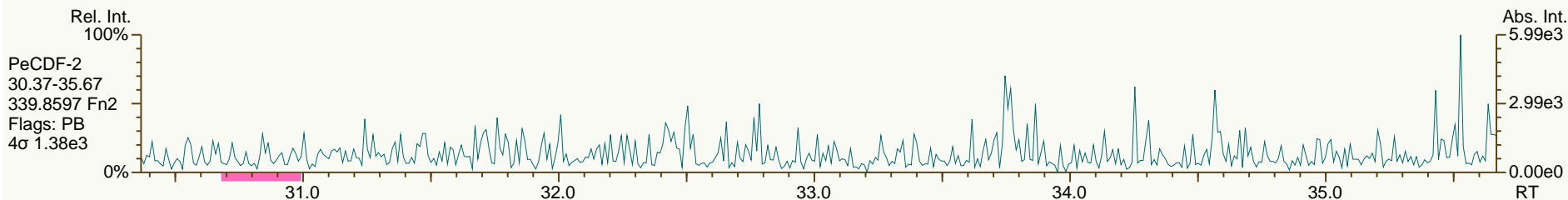
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

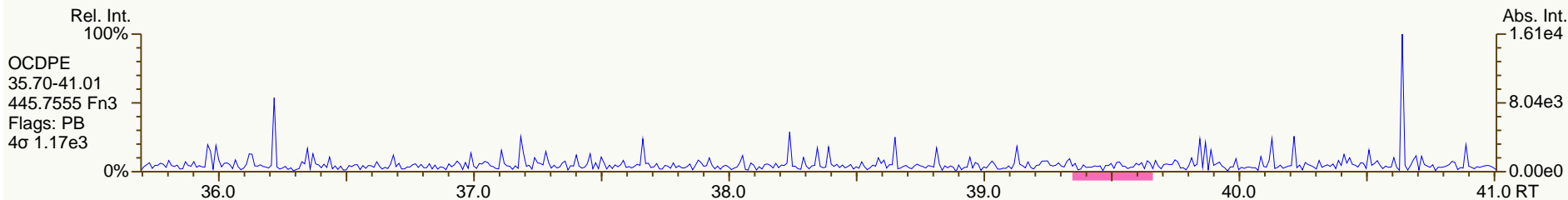
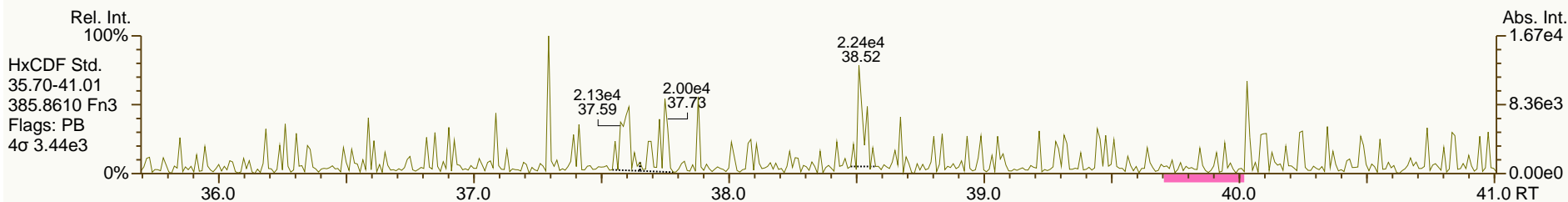
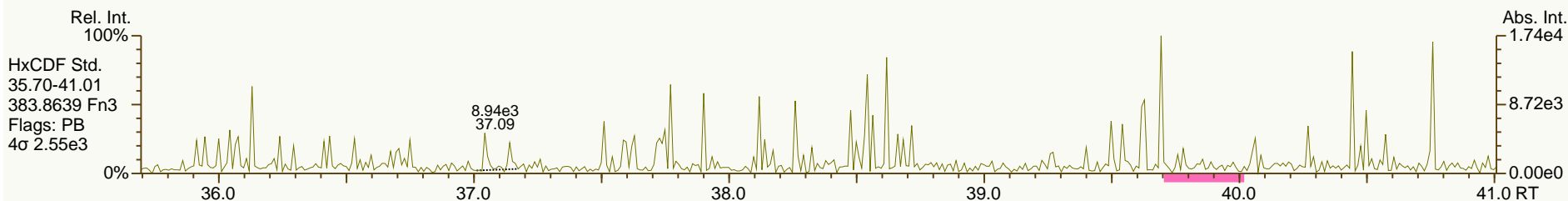
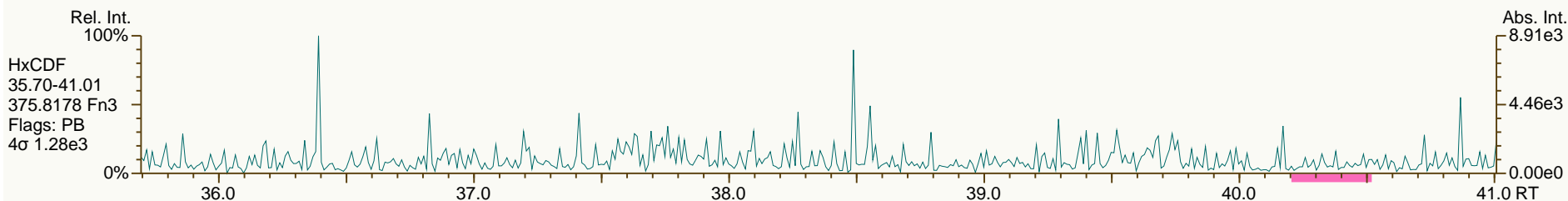
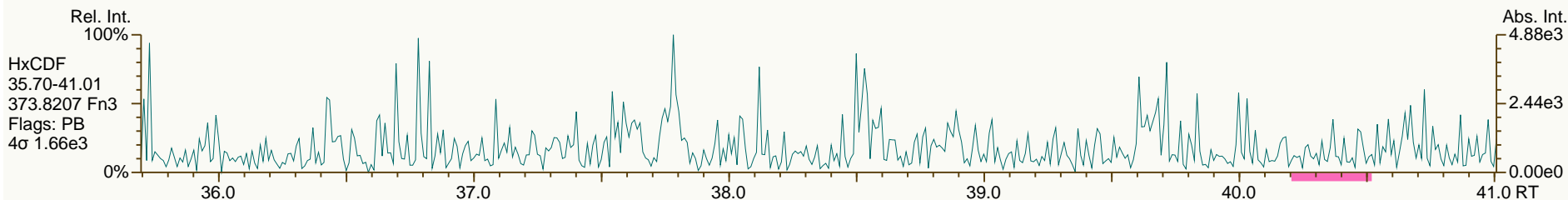
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

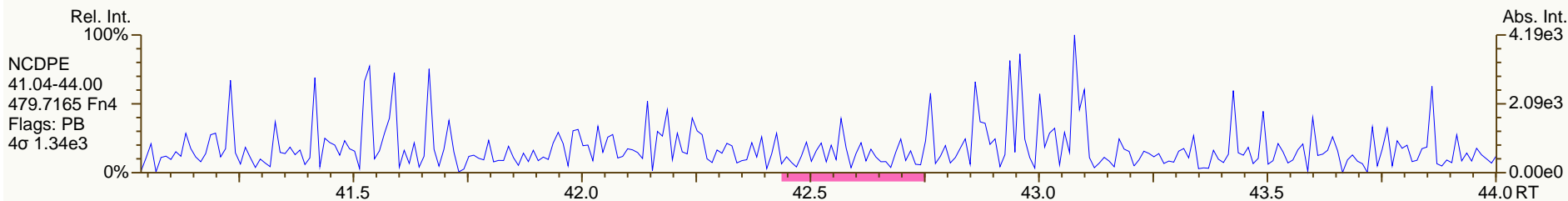
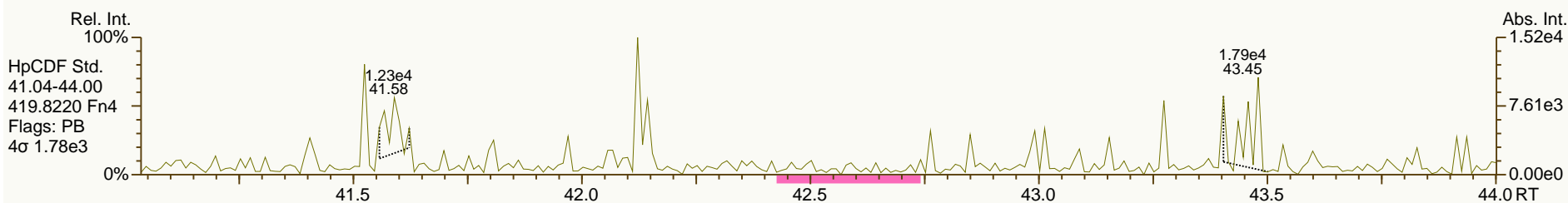
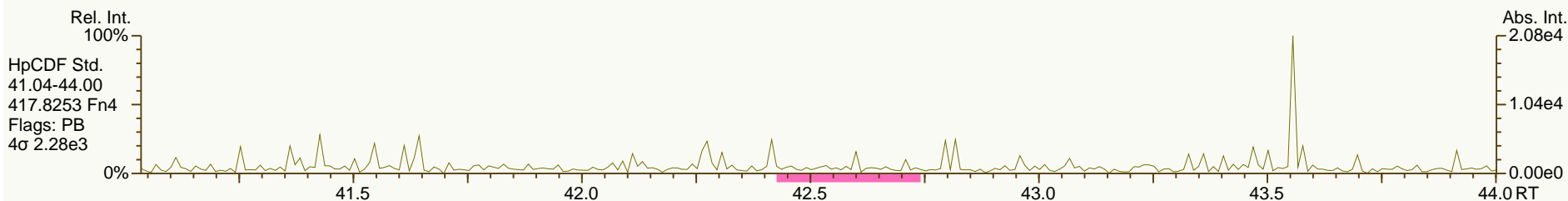
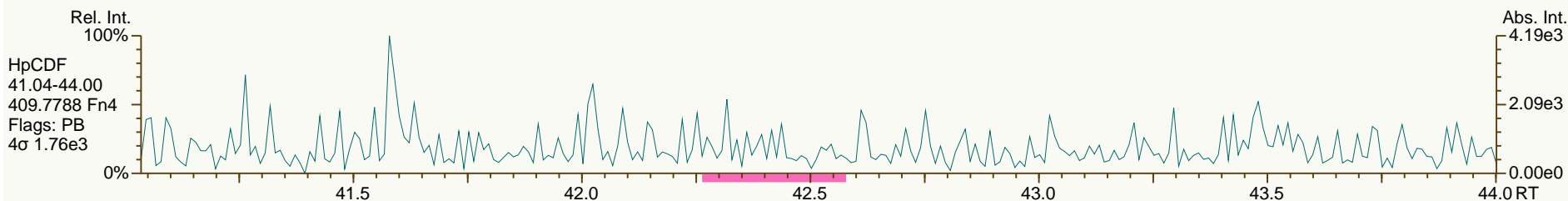
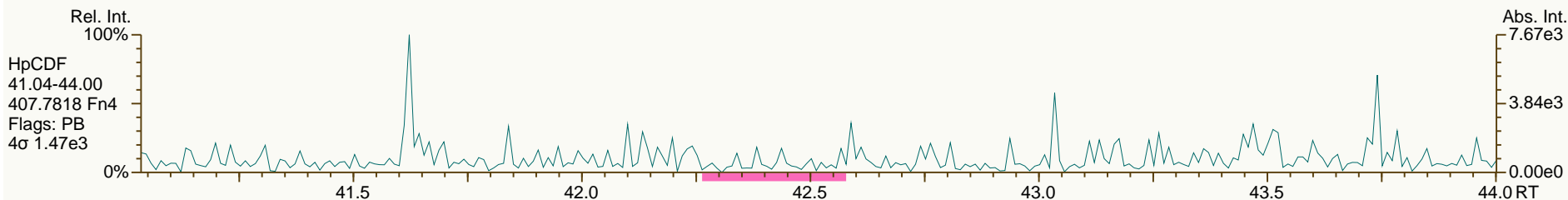
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

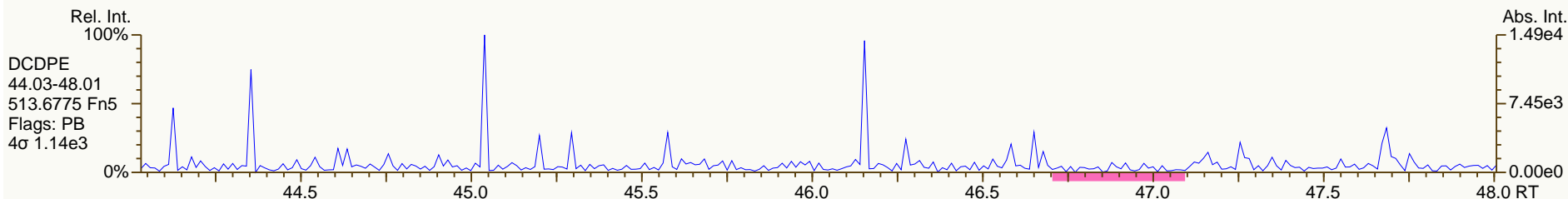
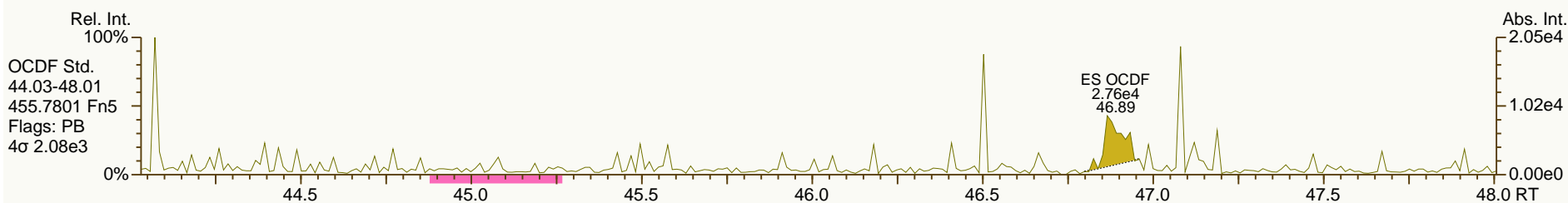
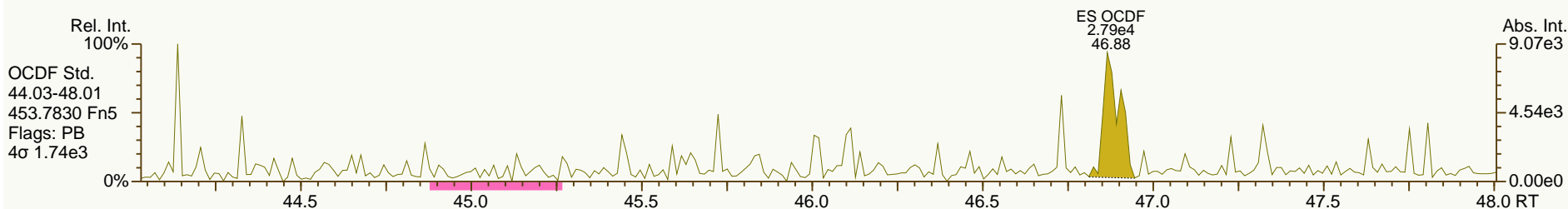
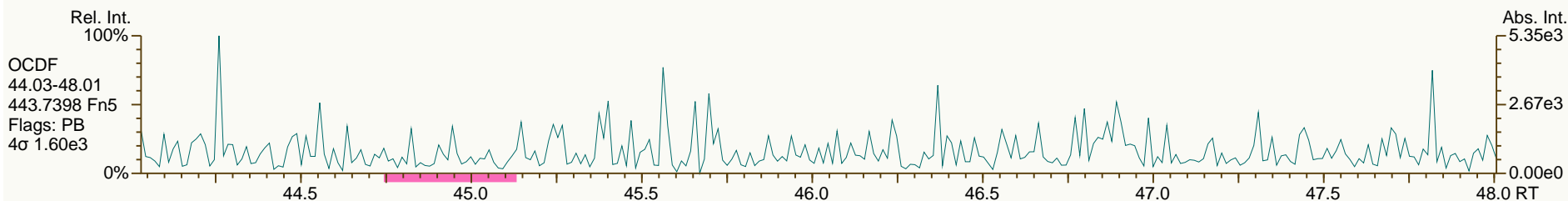
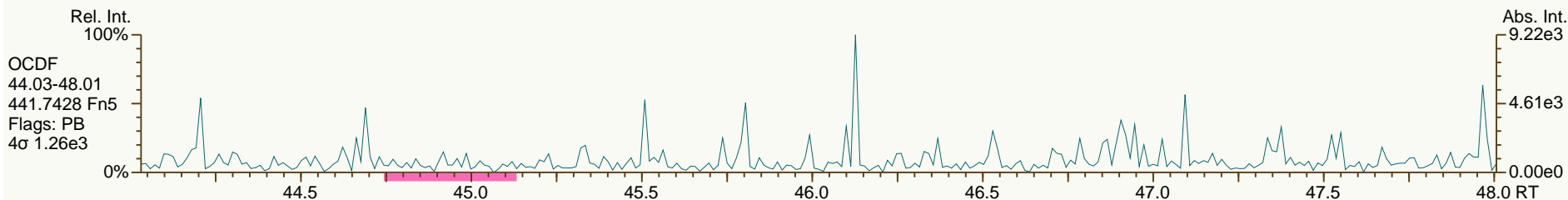
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SGS-AP ID: SBS_130718_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

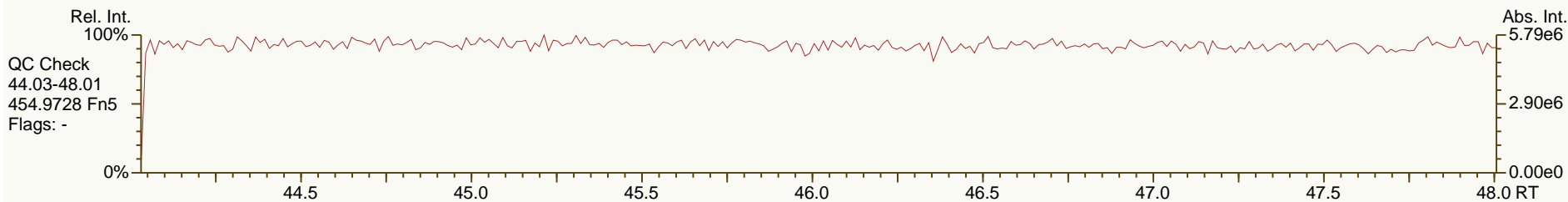
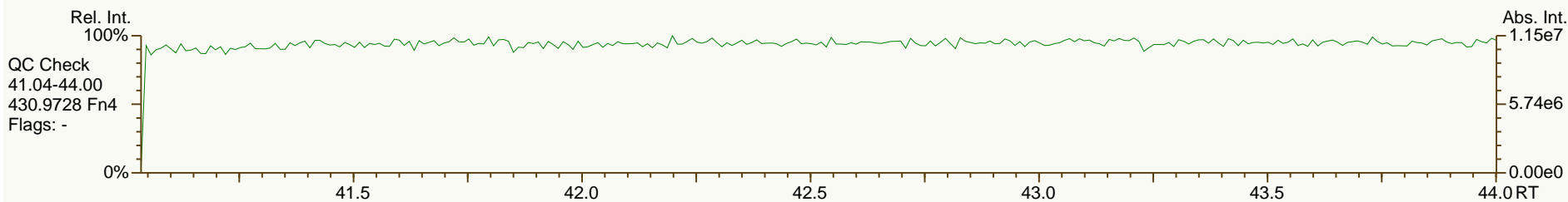
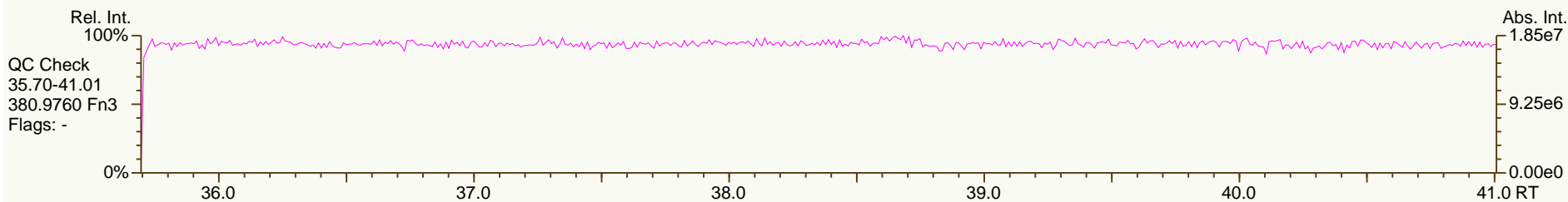
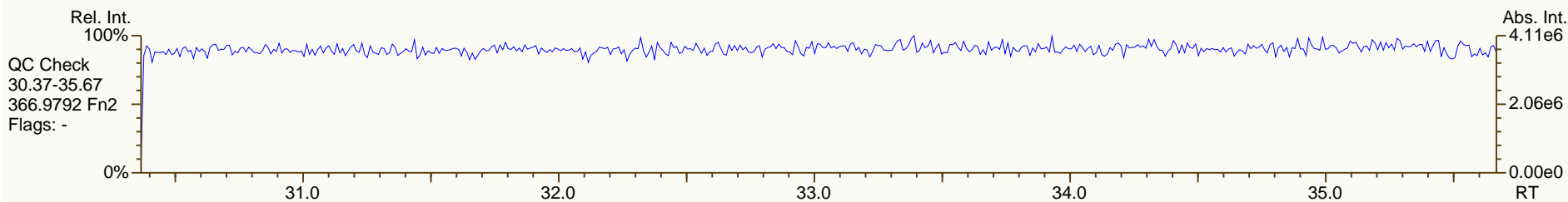
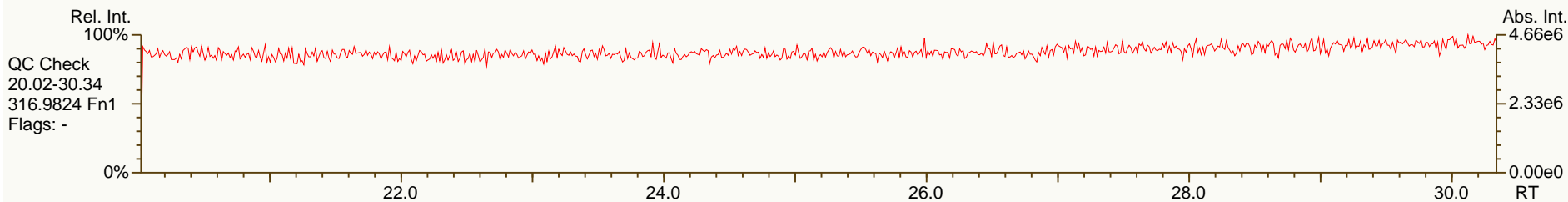
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User: MDC Datafile: 130718P1-03



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

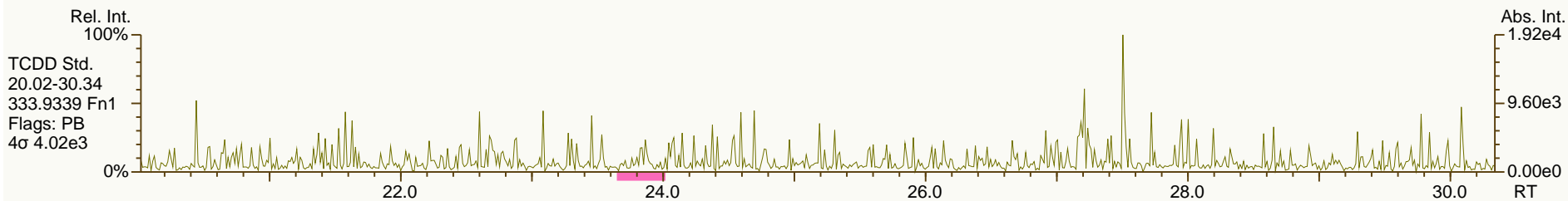
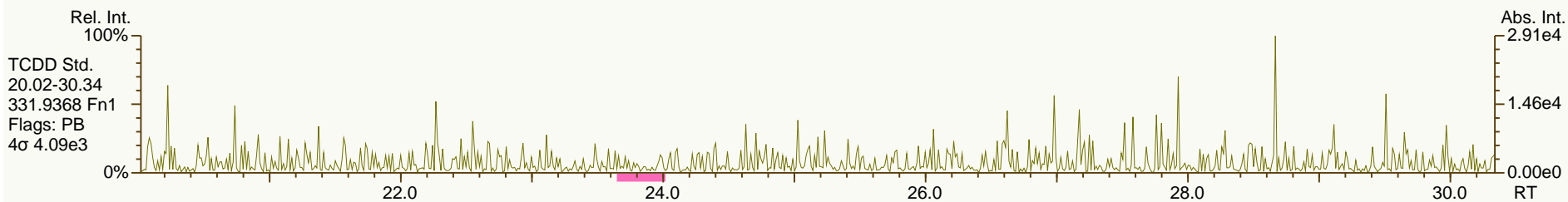
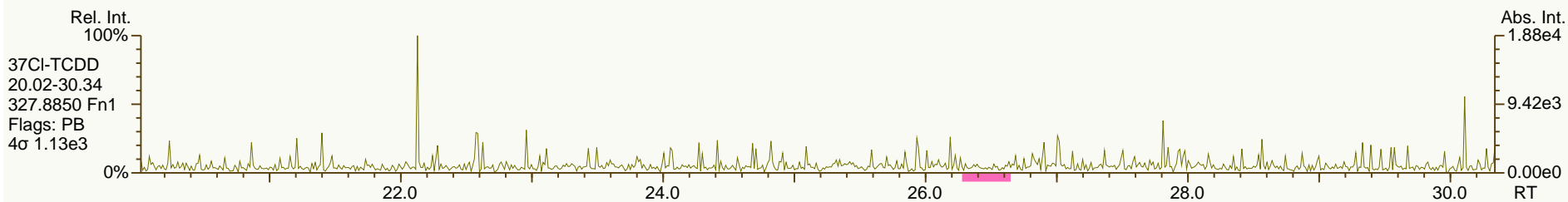
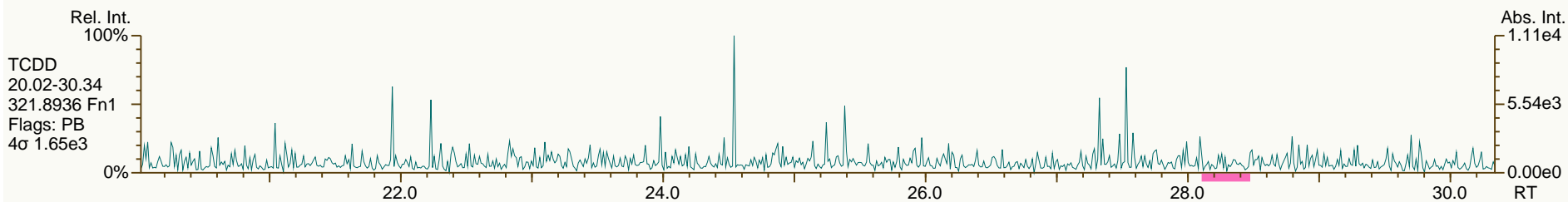
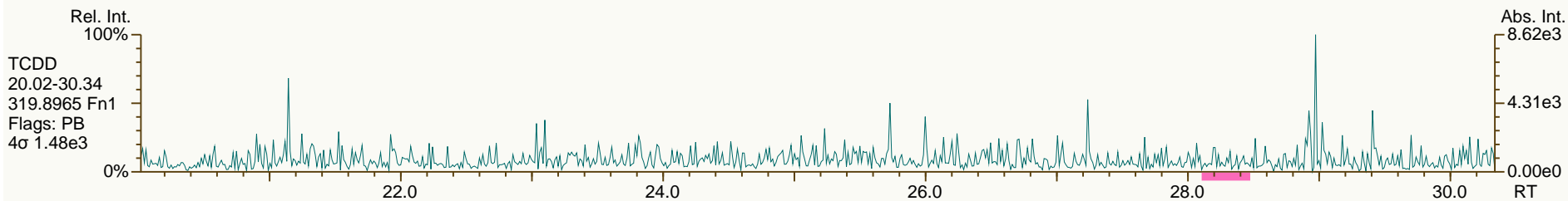
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 18-JUL-2013 23:03:13
User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 18-JUL-2013 23:03:13
User: MDC Datafile: 130718P2-02



SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

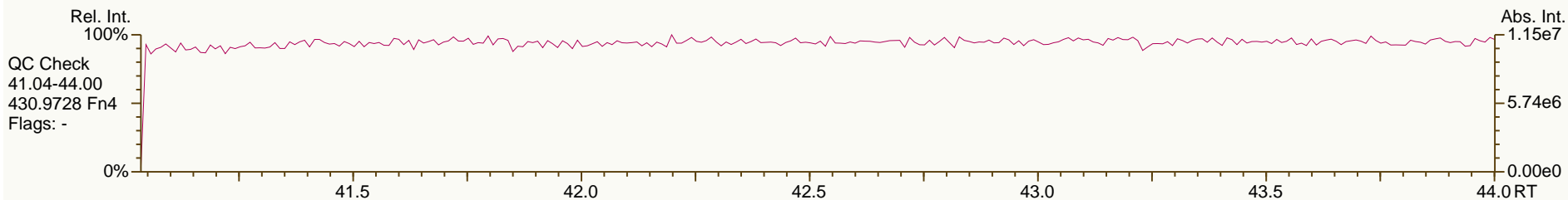
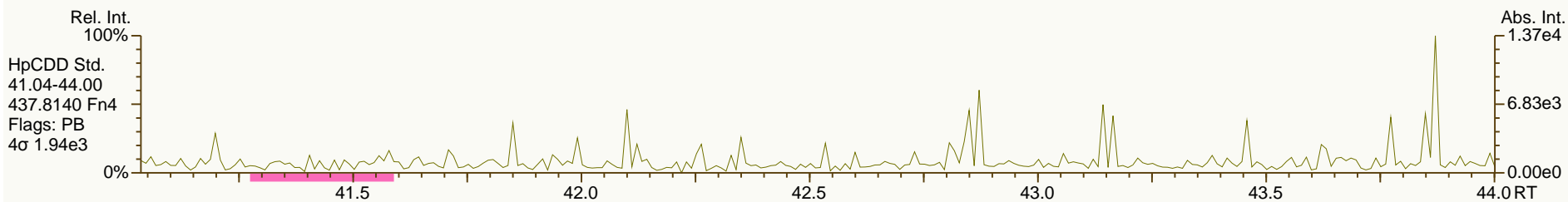
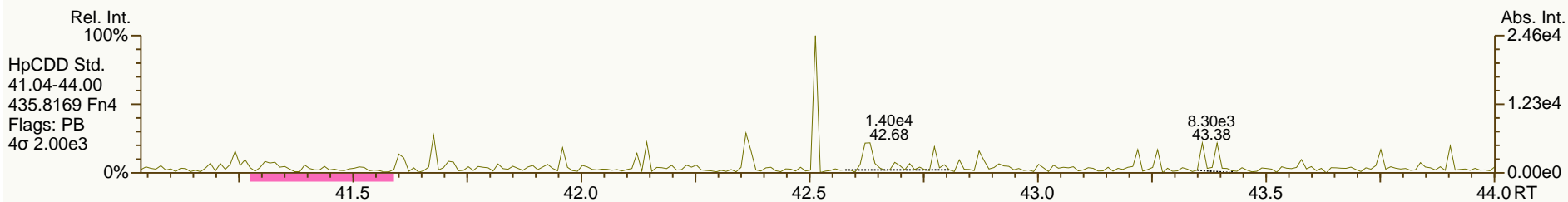
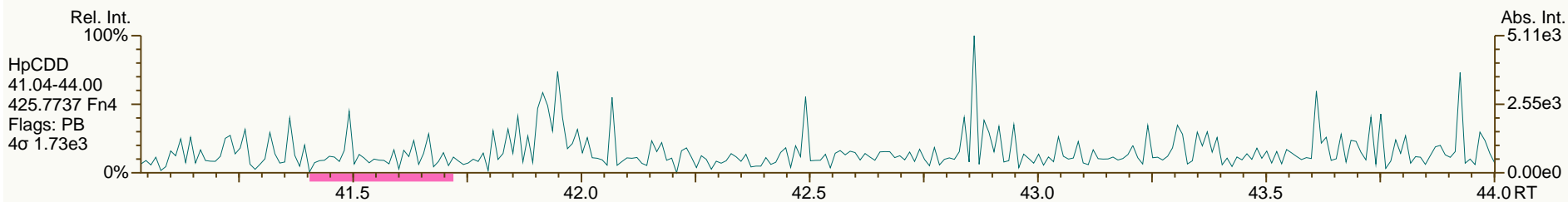
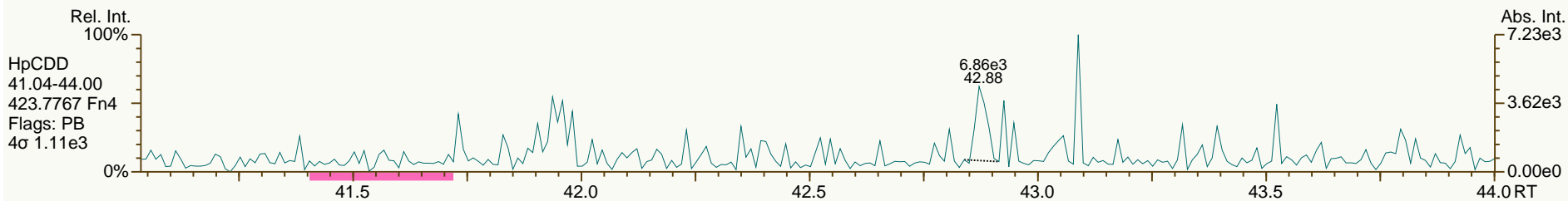
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

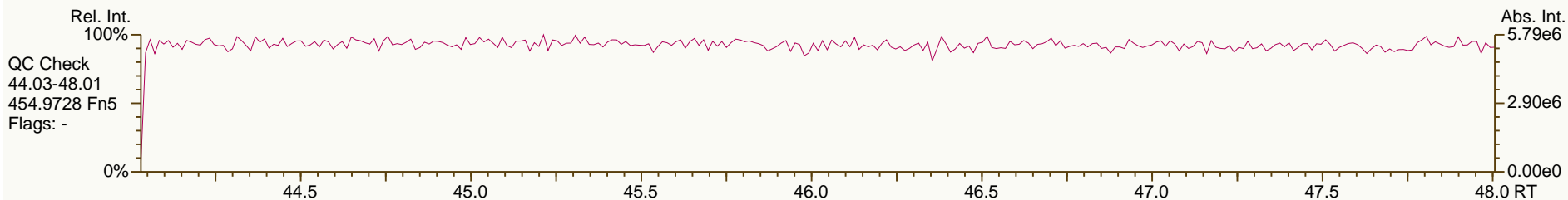
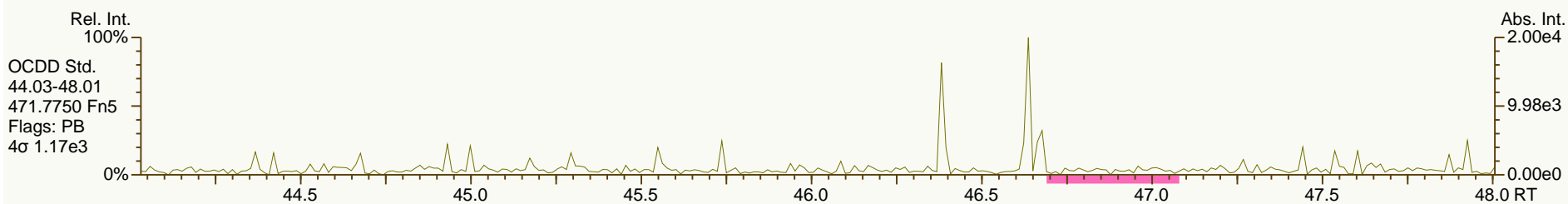
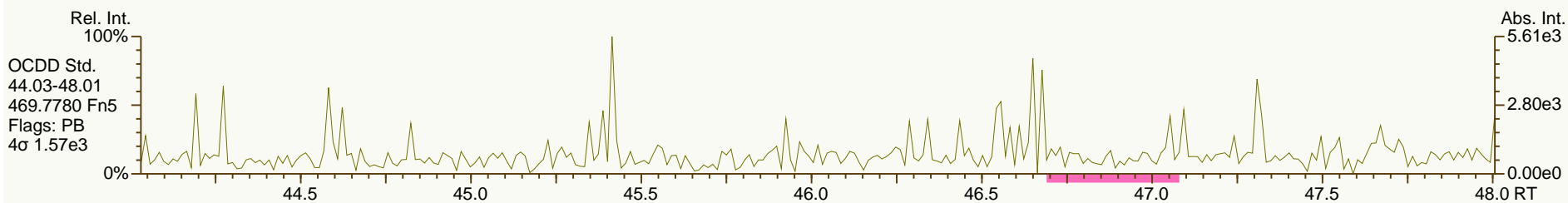
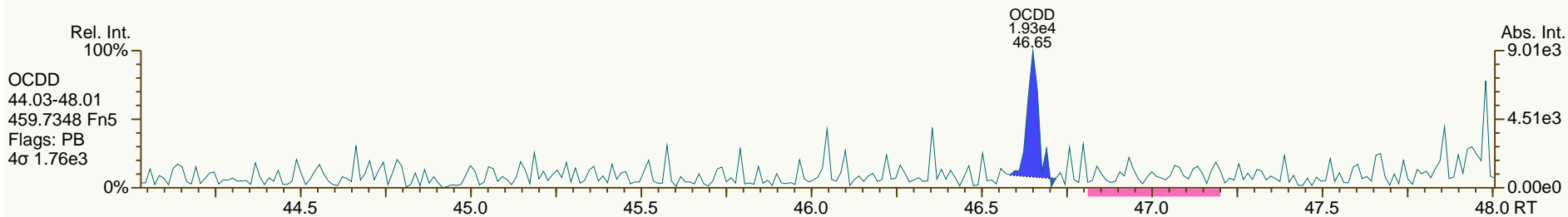
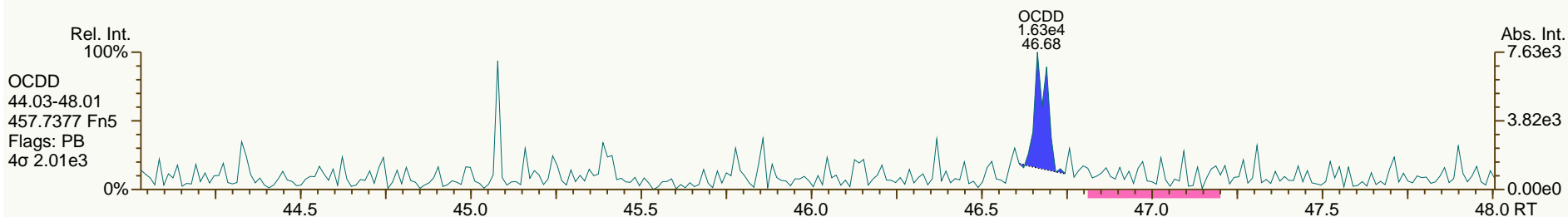
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

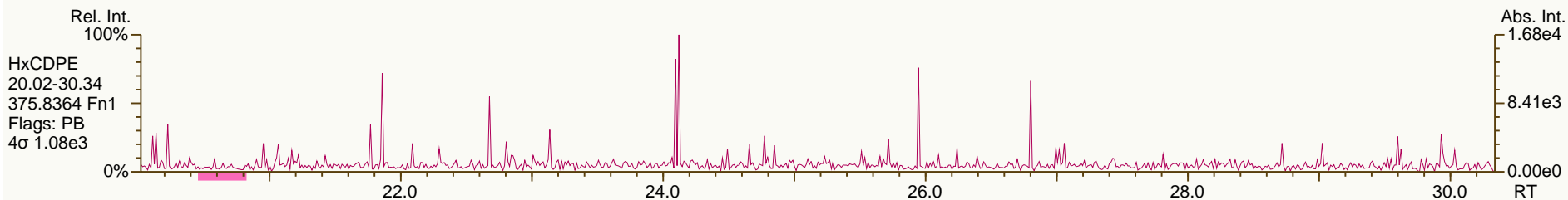
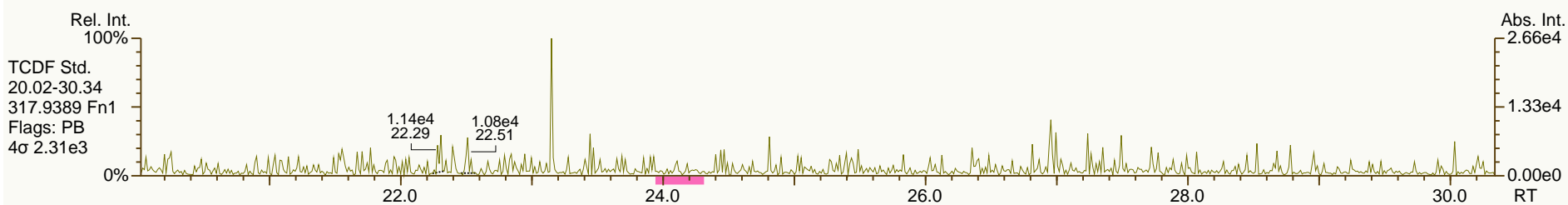
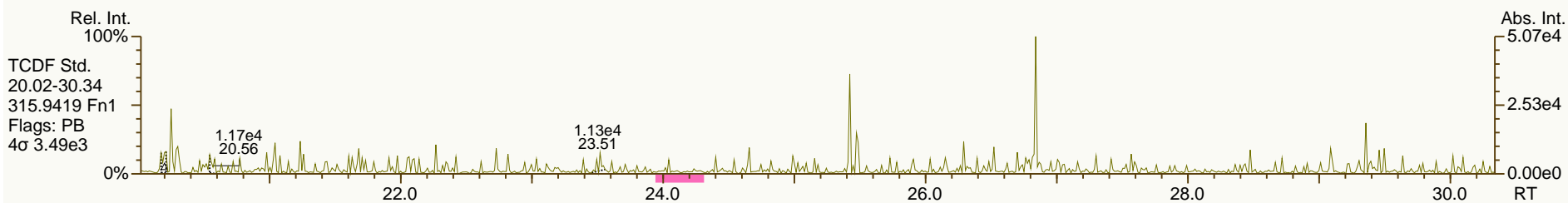
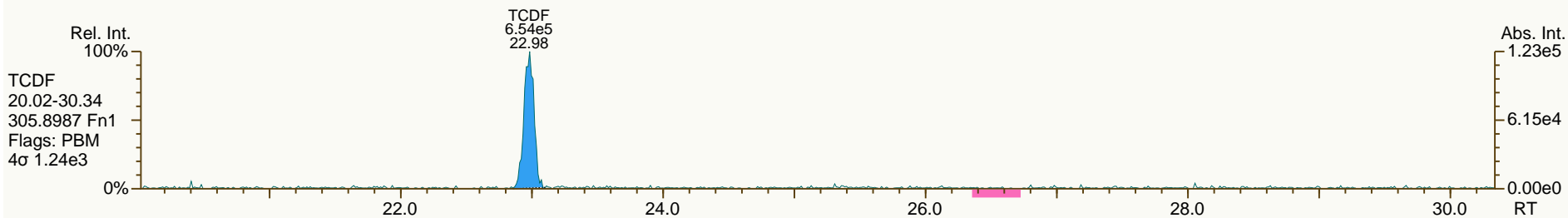
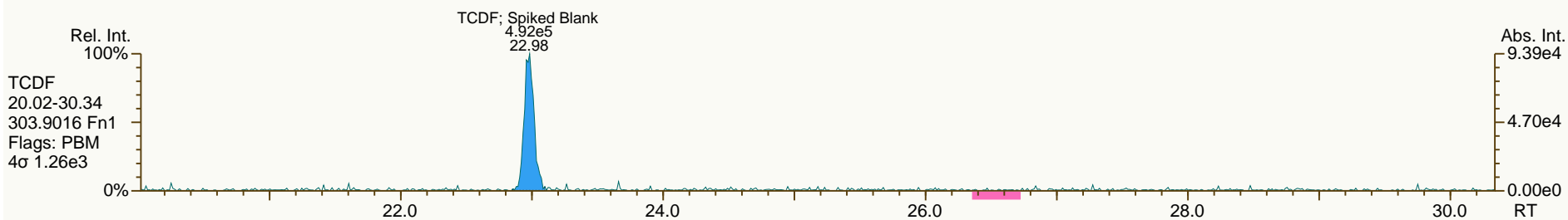
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

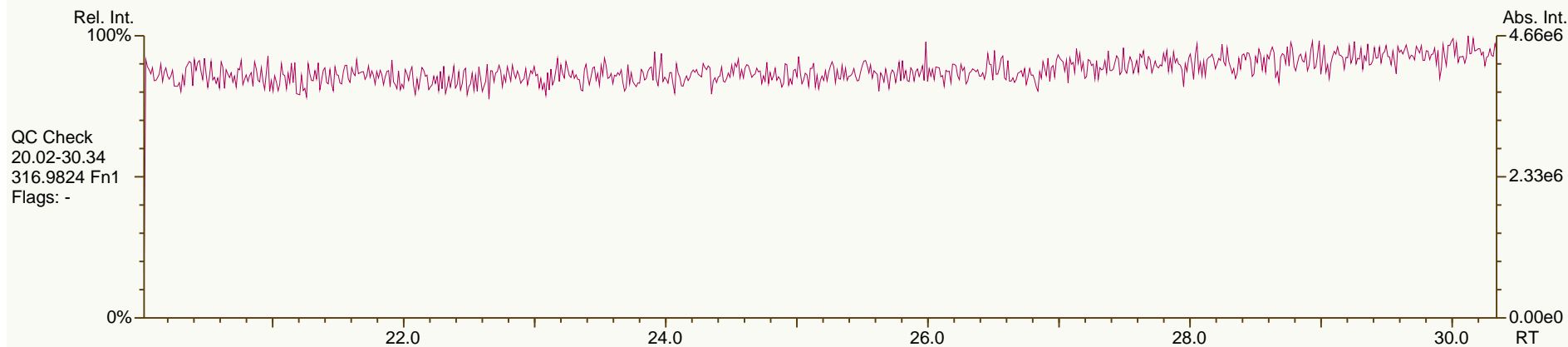
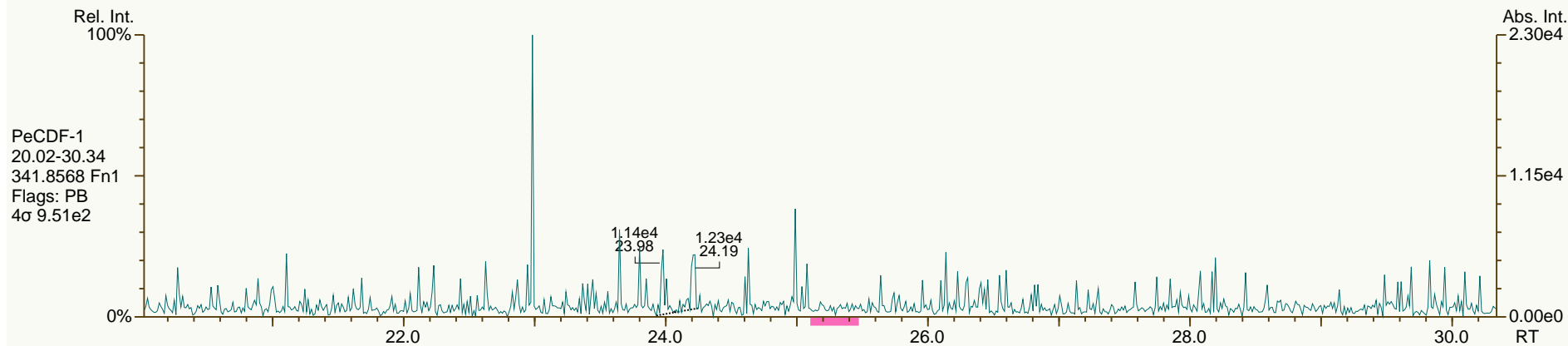
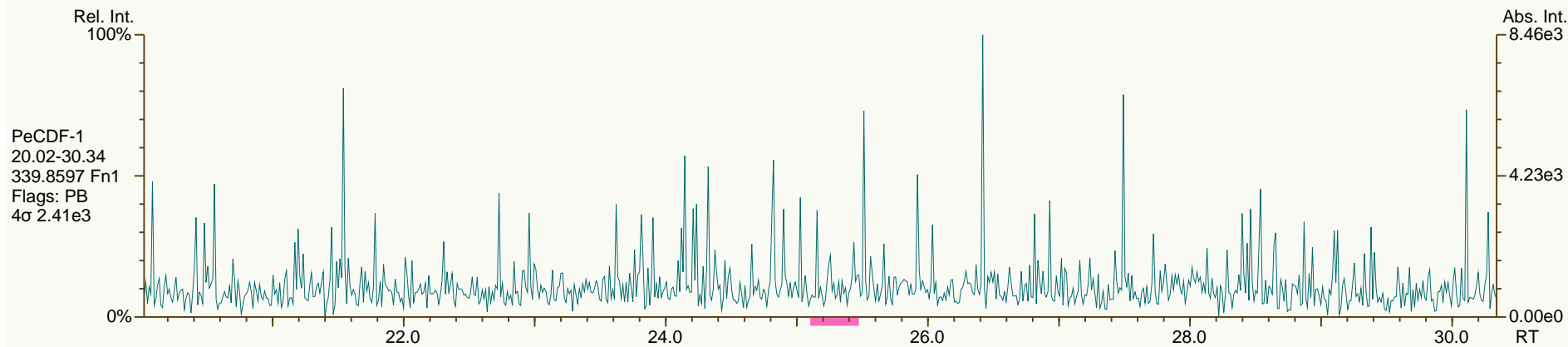
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

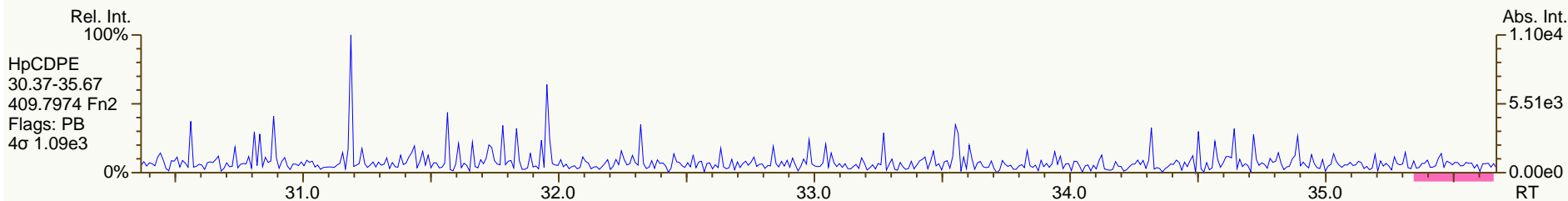
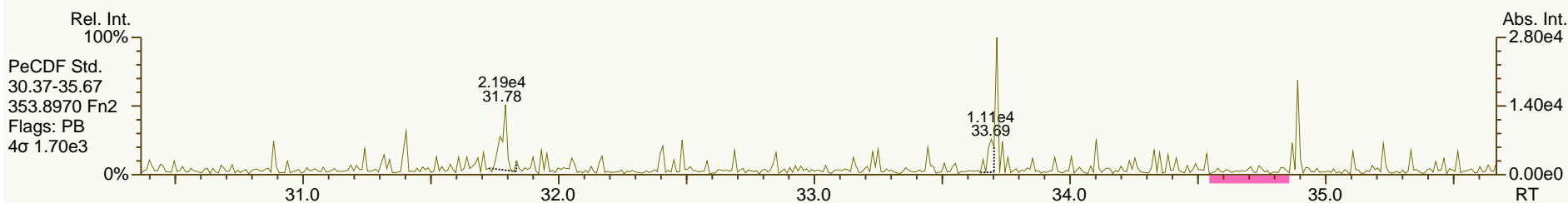
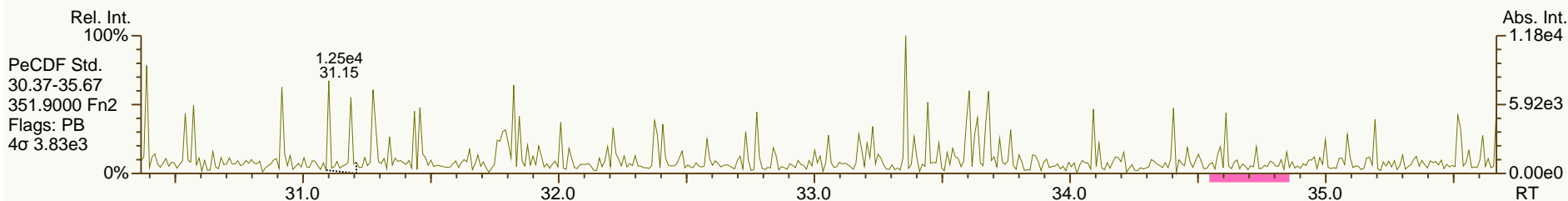
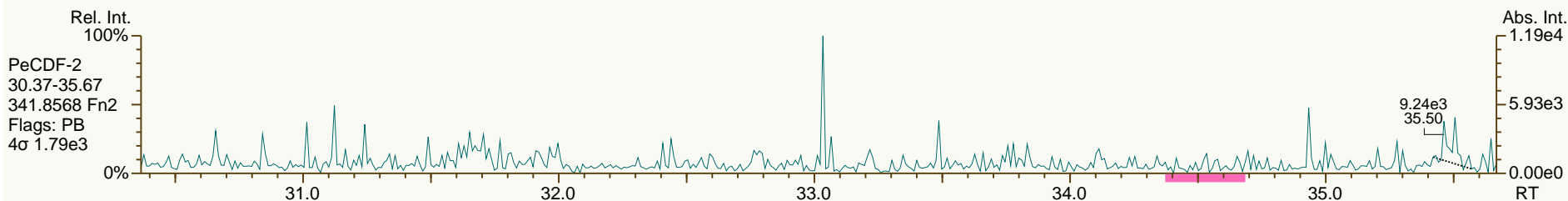
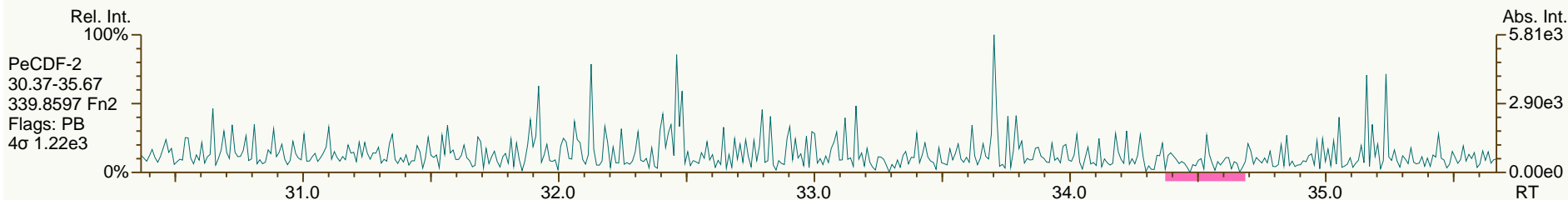
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

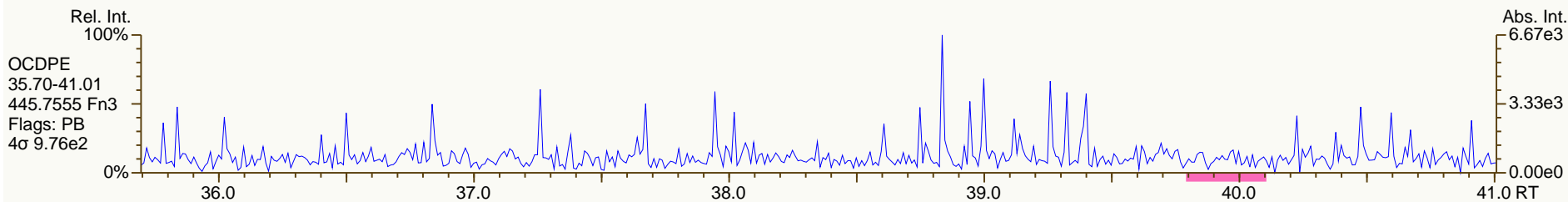
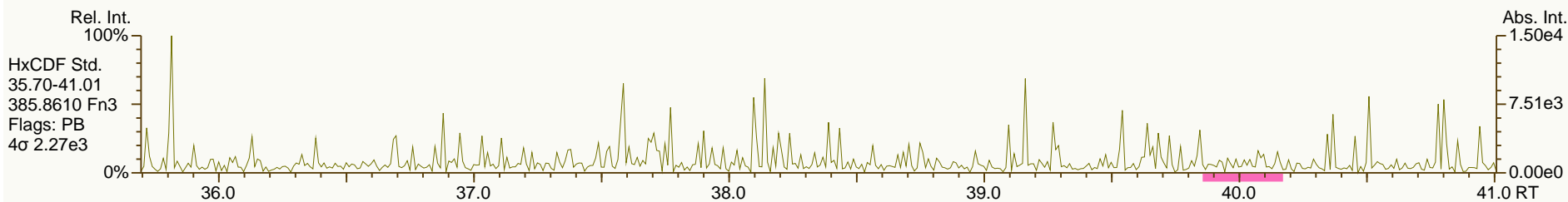
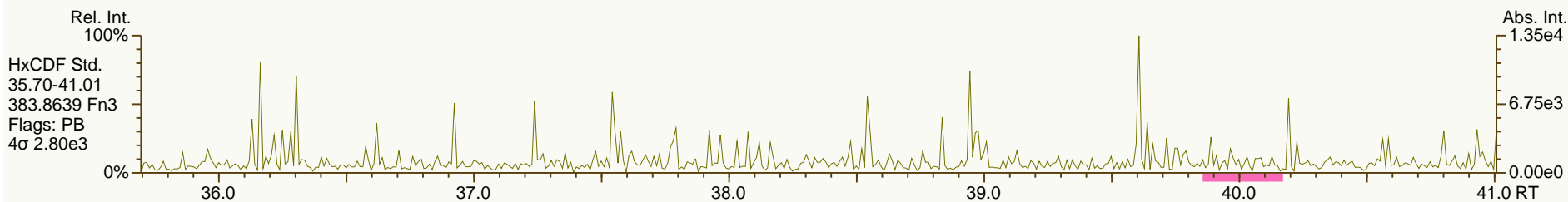
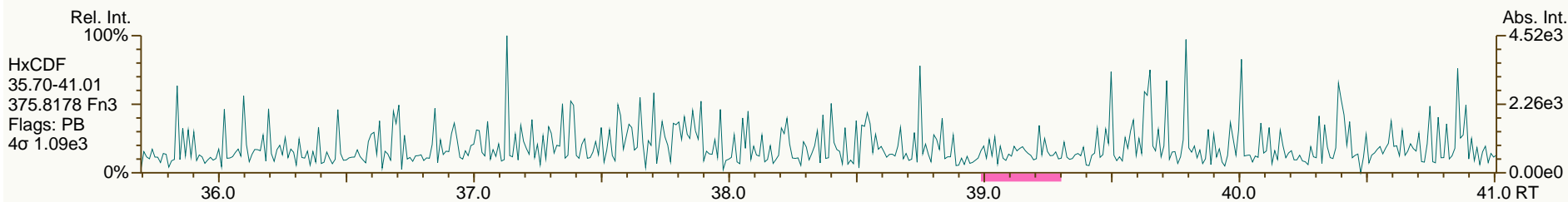
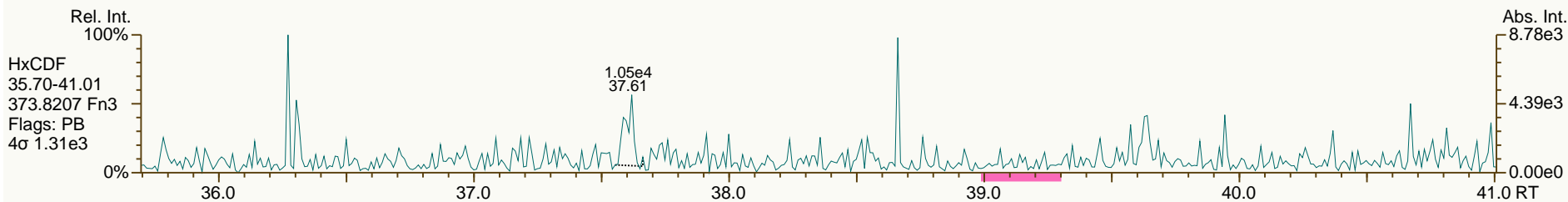
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

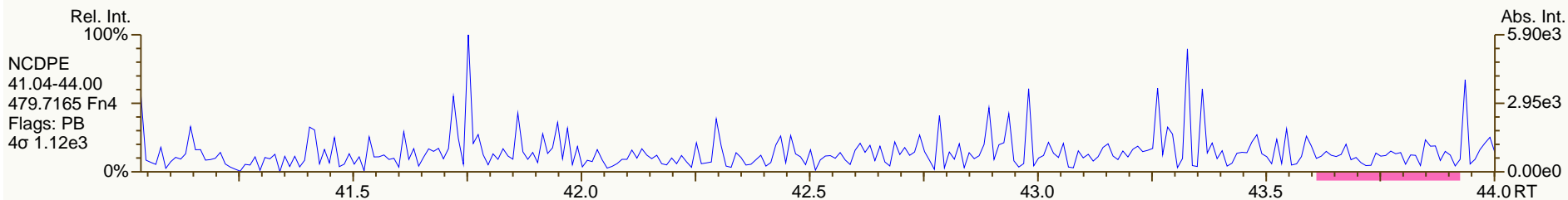
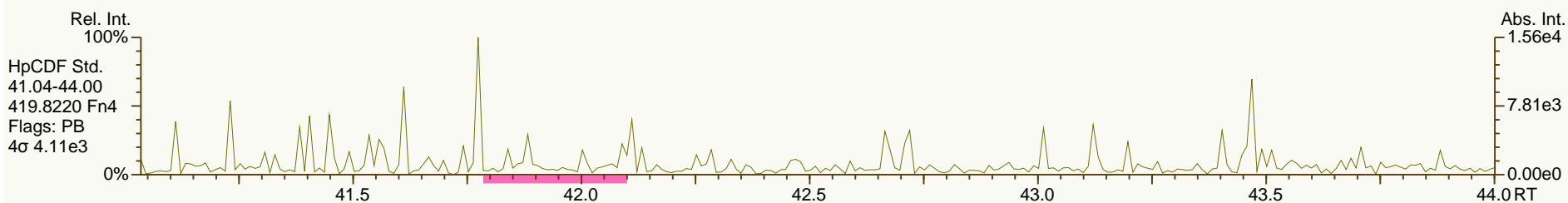
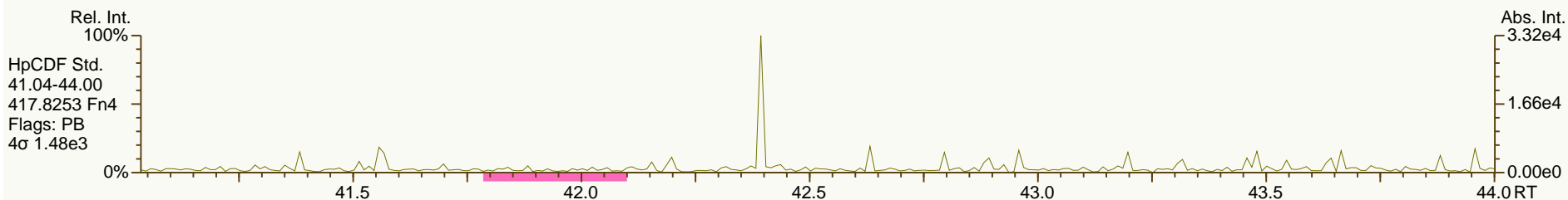
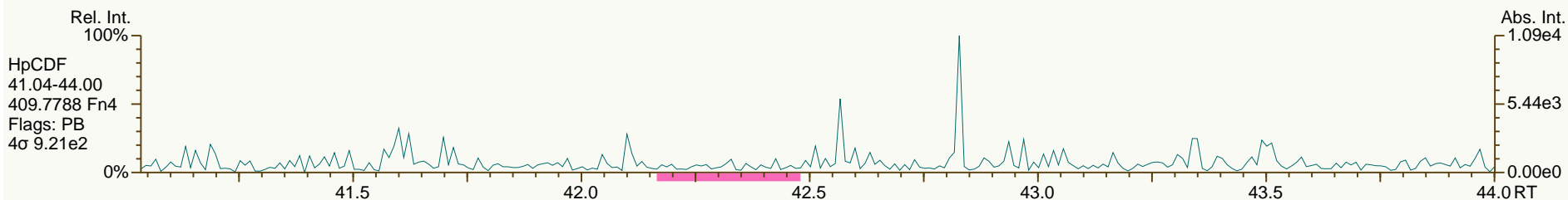
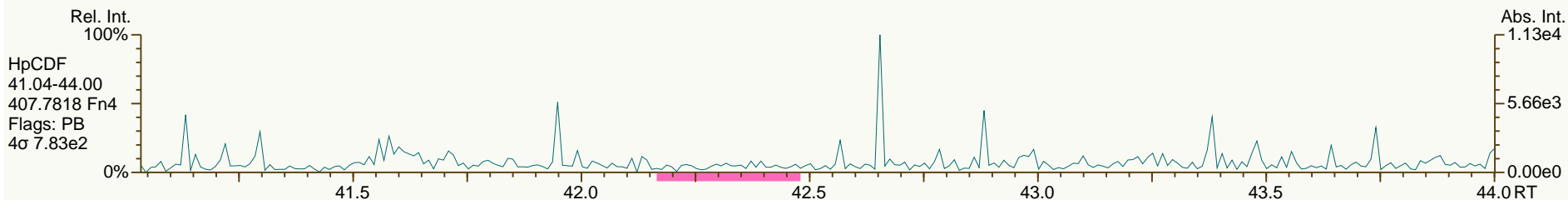
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SGS-AP ID: SBS_130718_DF_PB
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

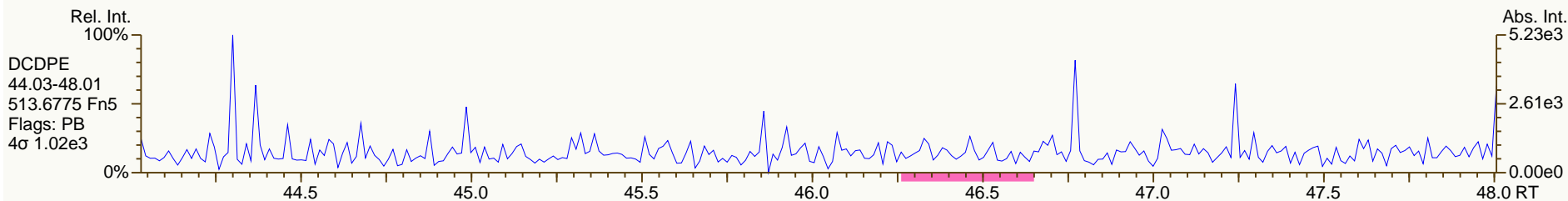
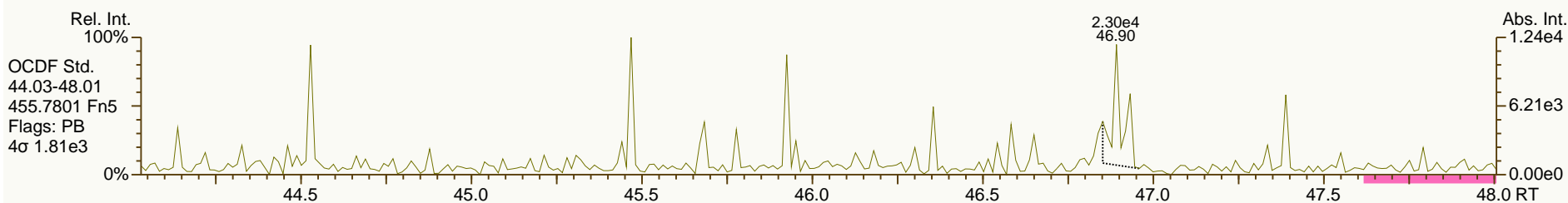
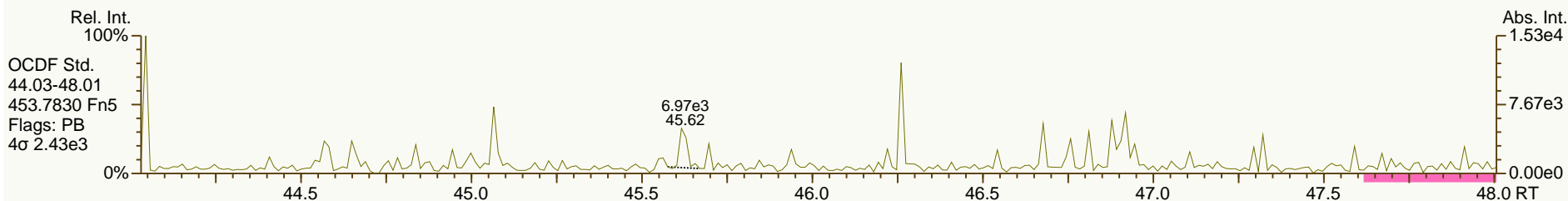
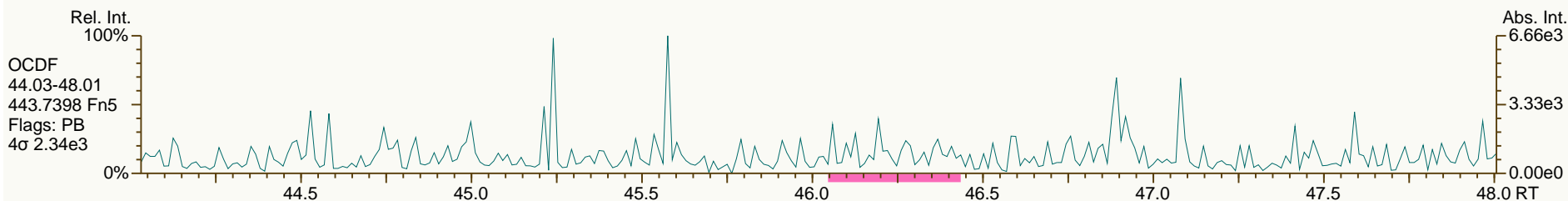
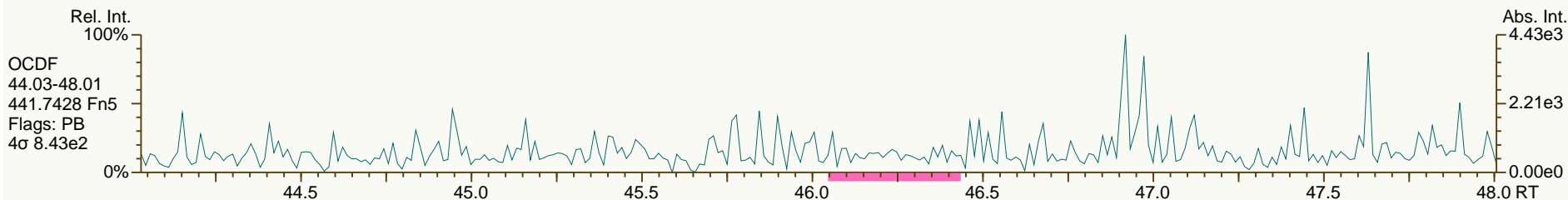
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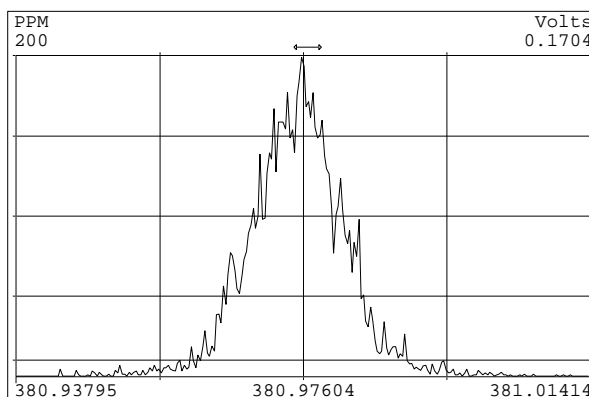
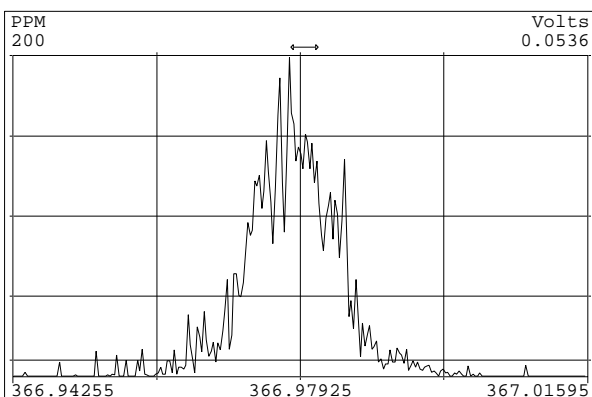
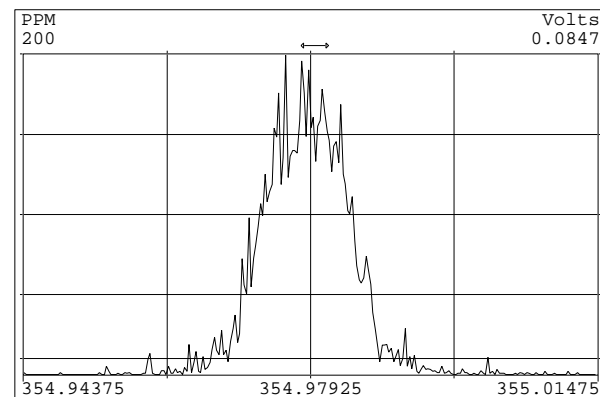
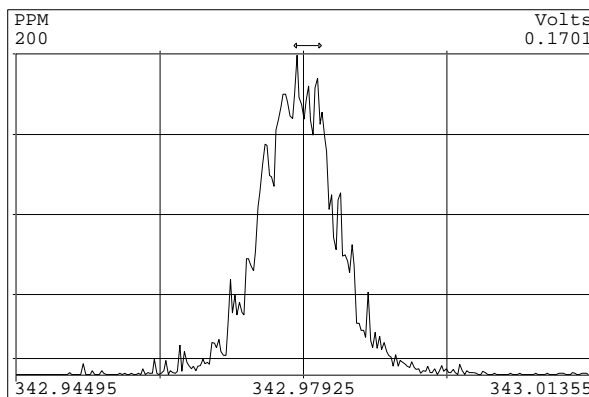
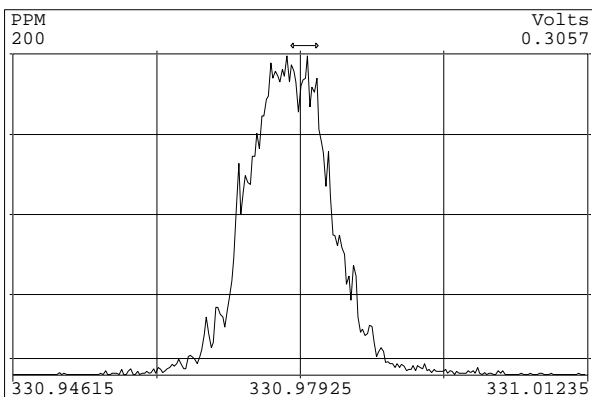
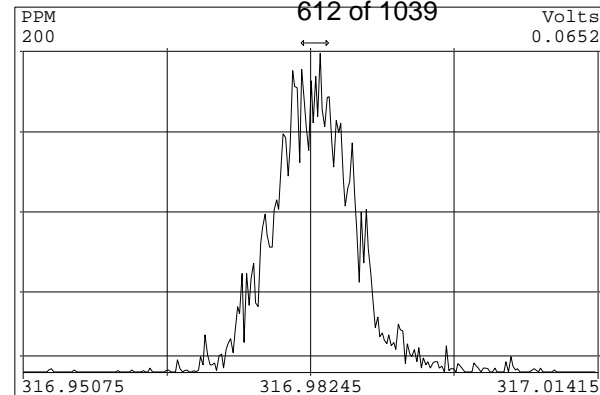
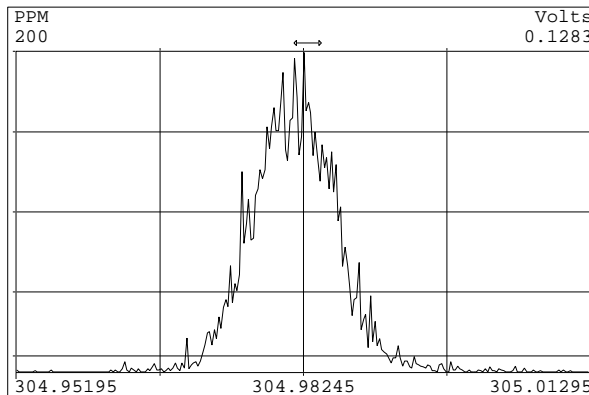
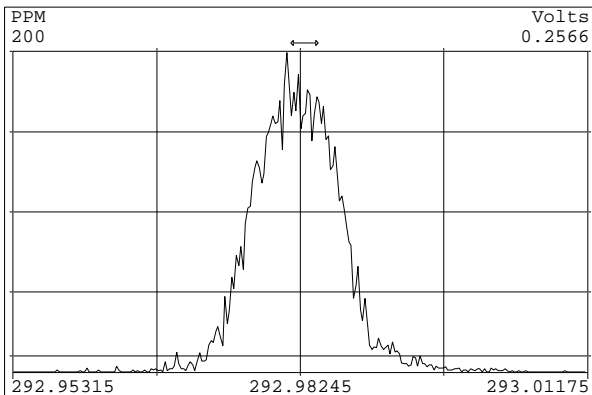


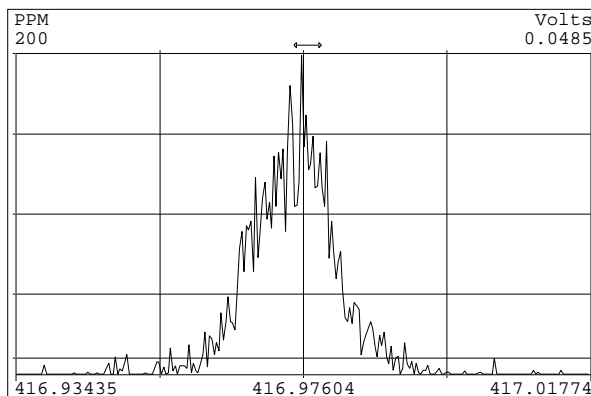
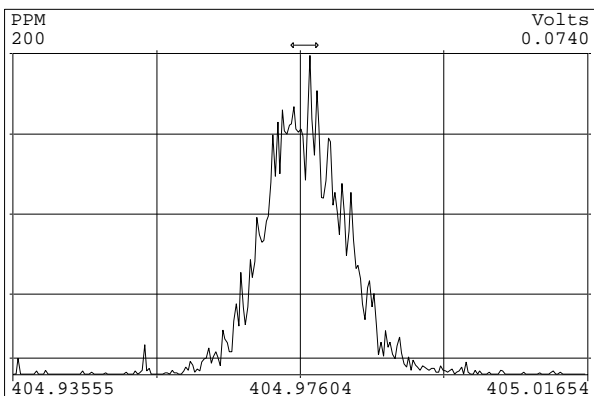
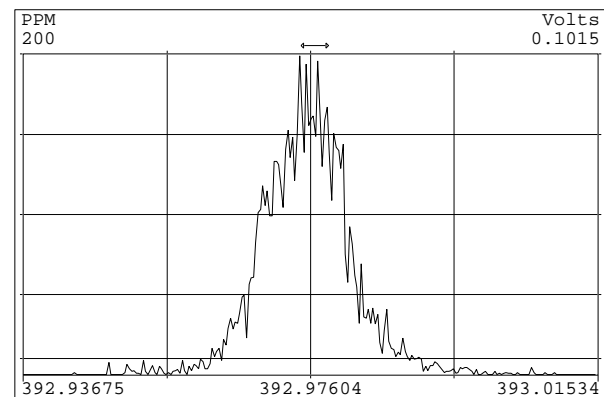
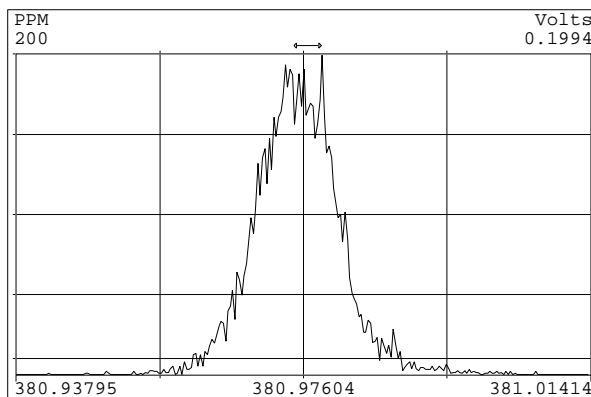
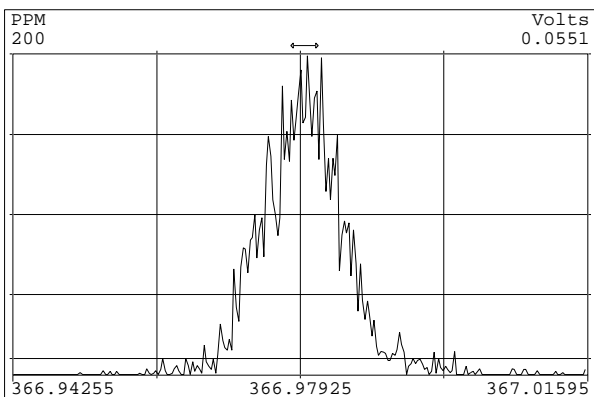
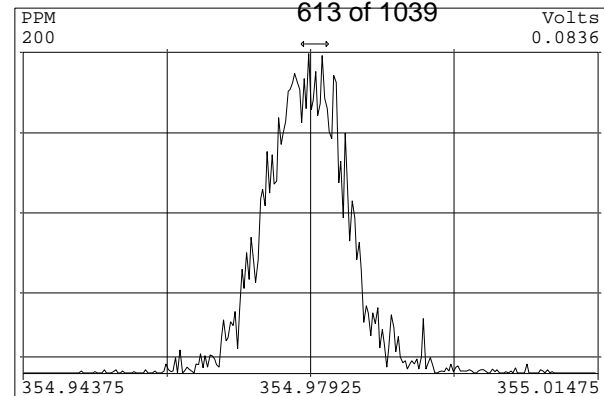
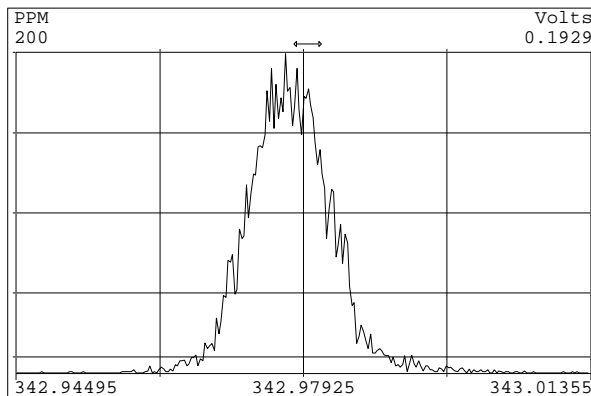
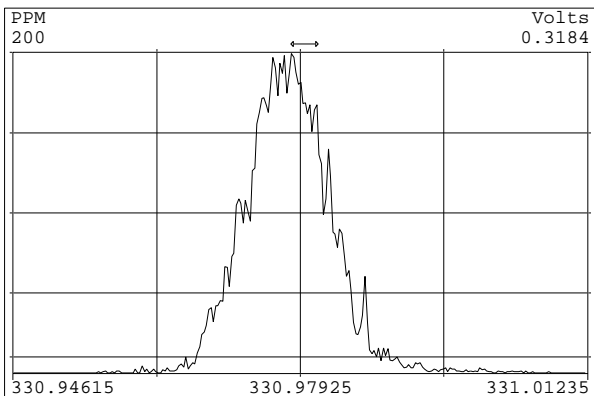
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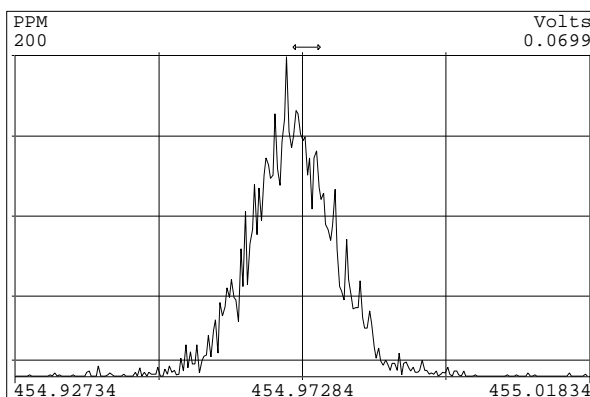
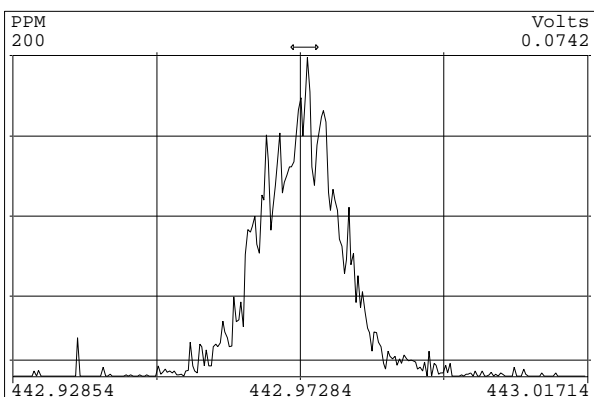
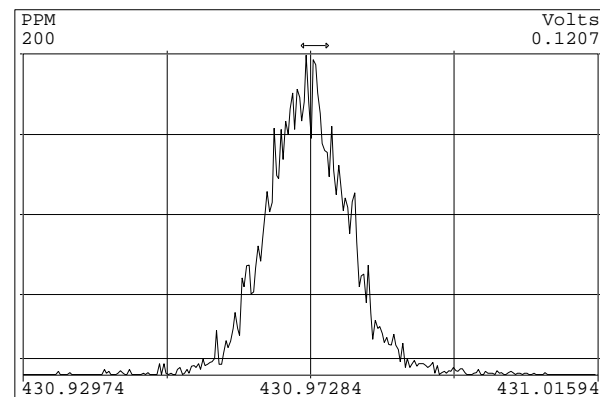
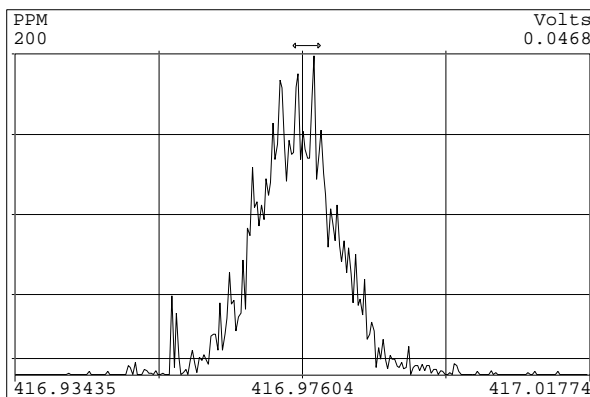
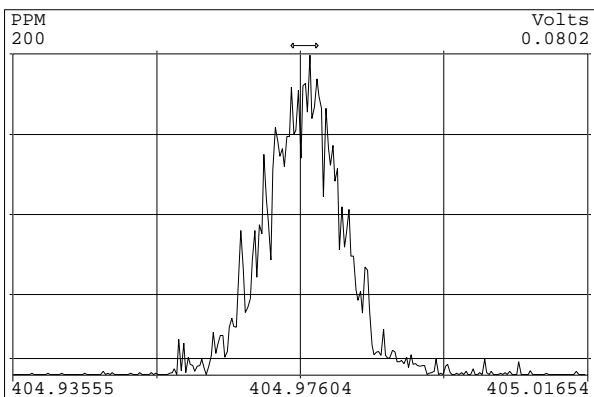
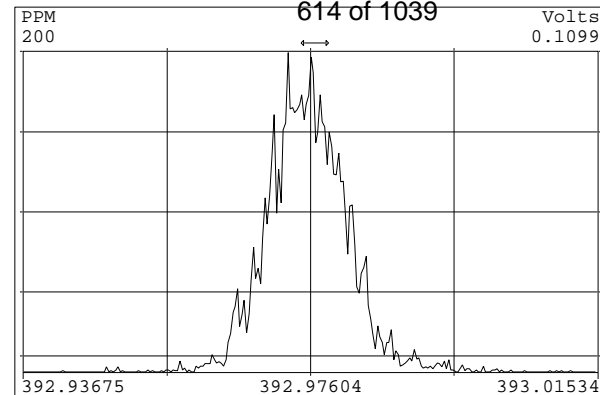
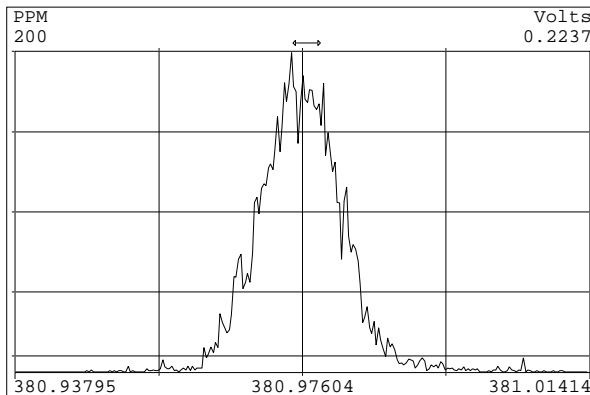
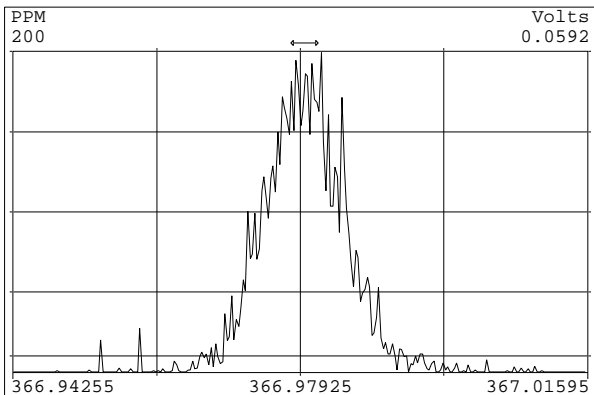
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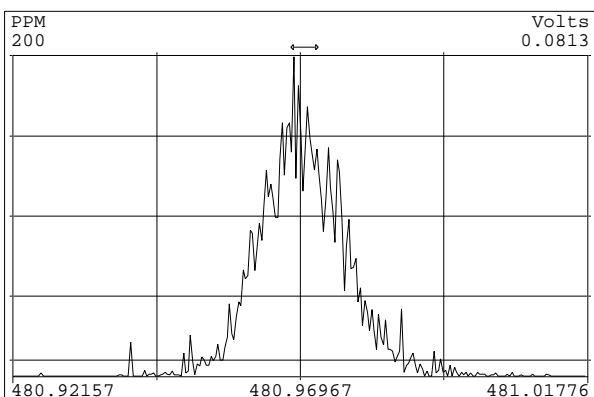
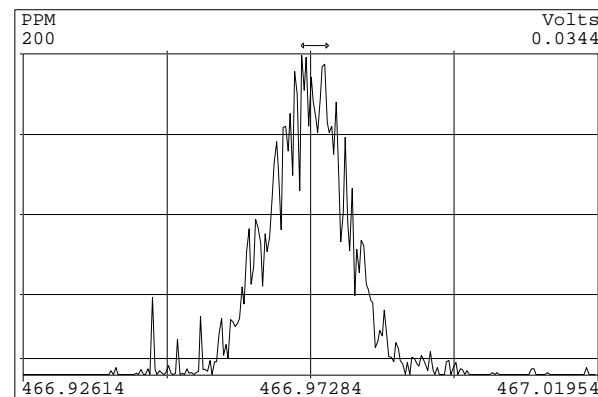
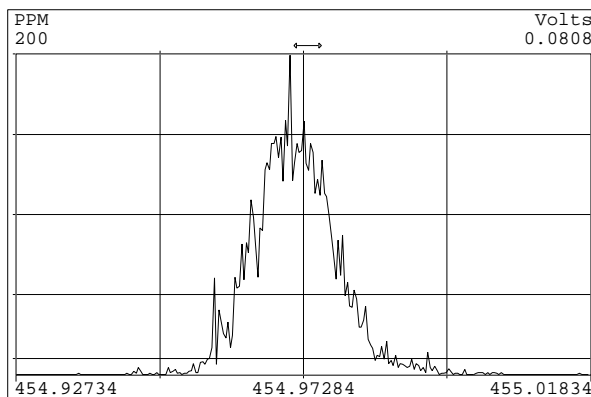
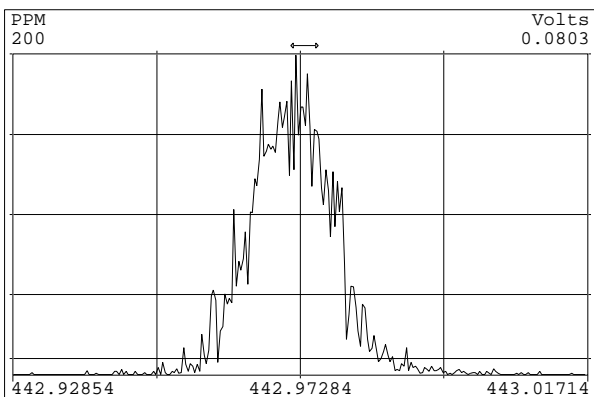
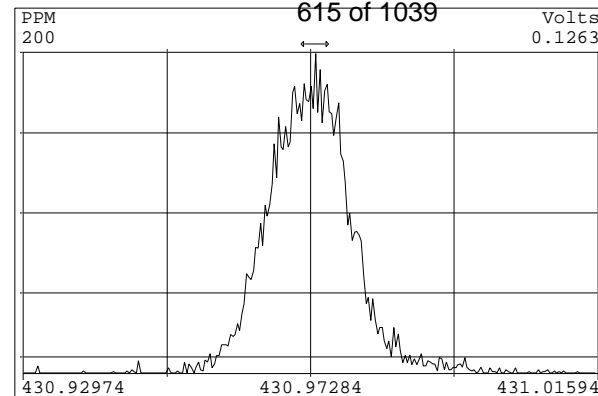
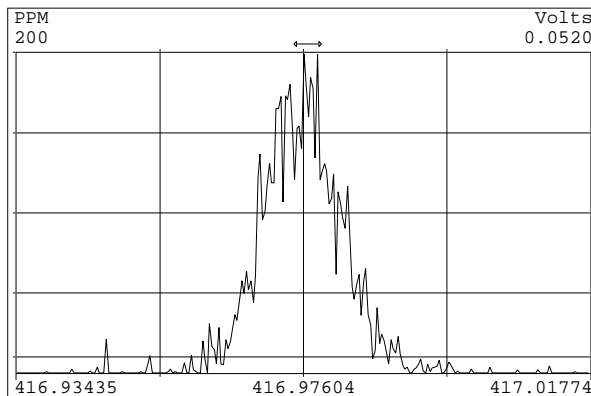
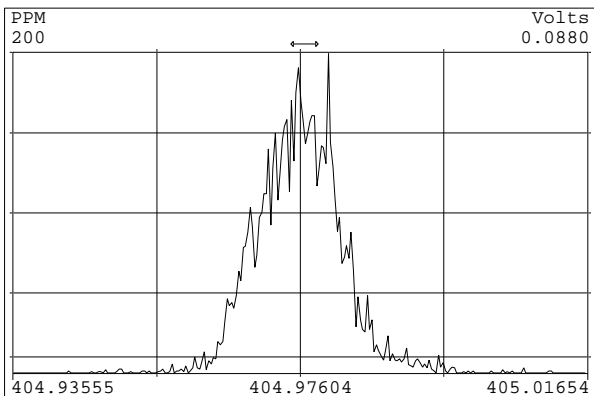
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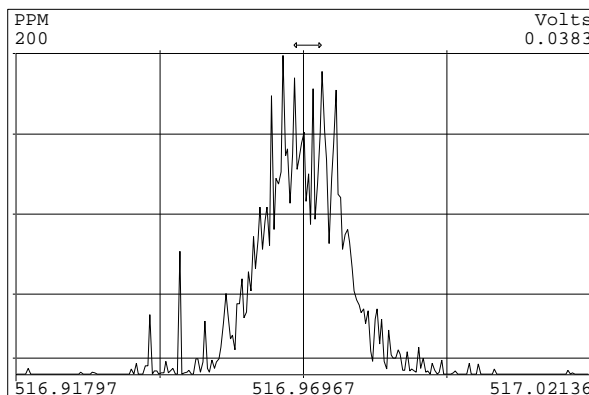
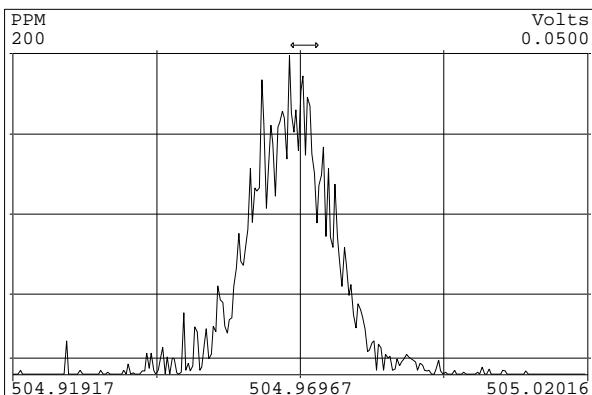
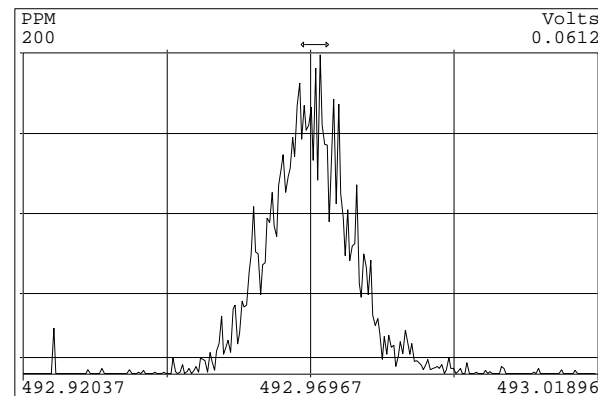
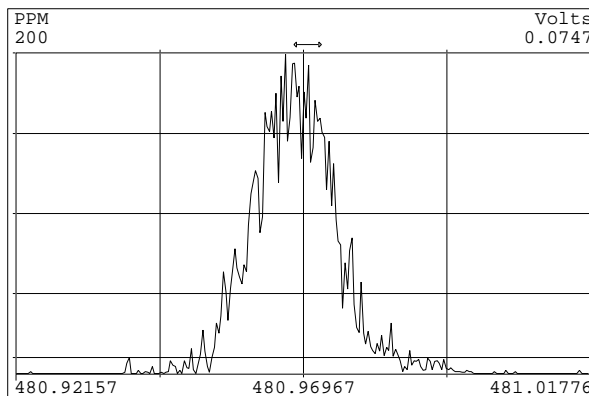
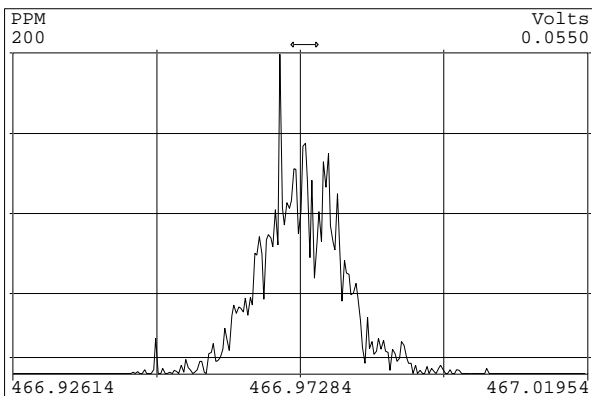
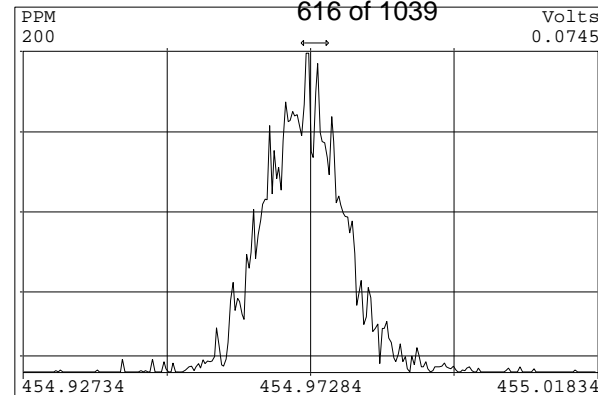
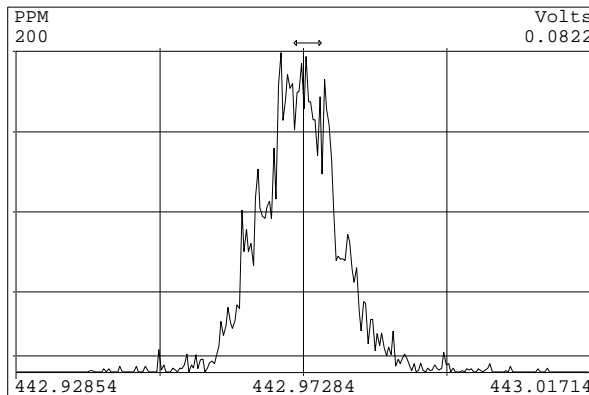
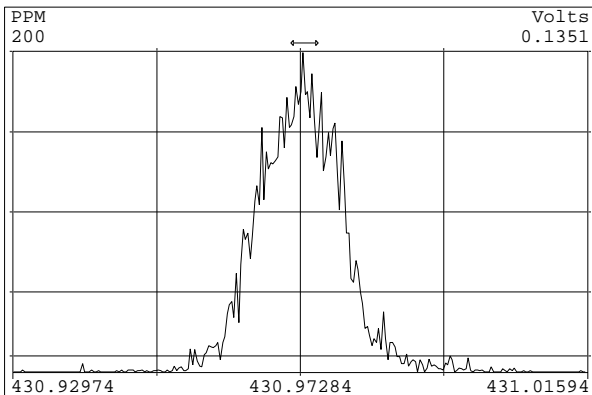


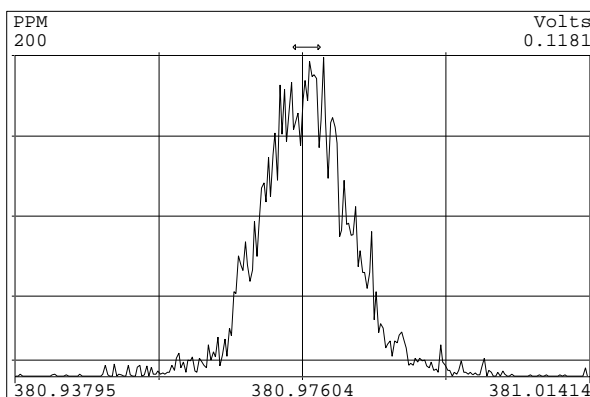
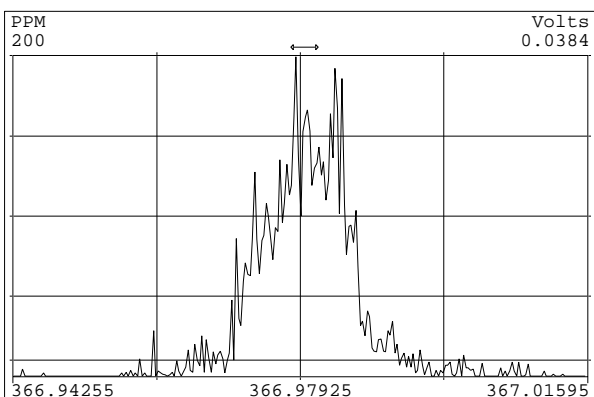
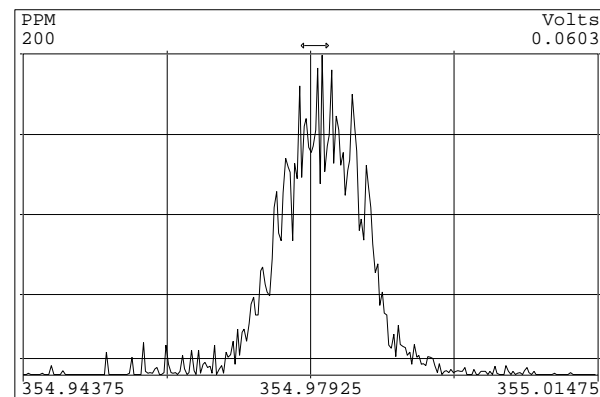
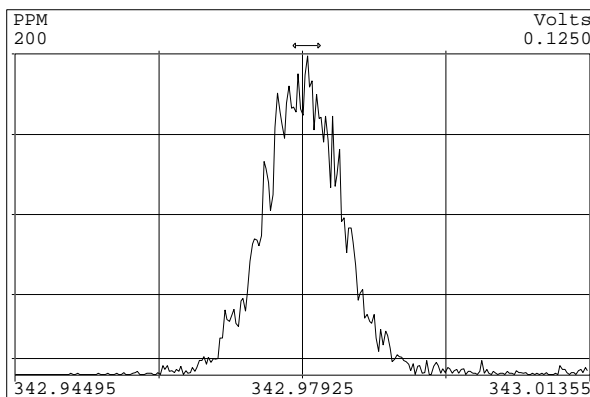
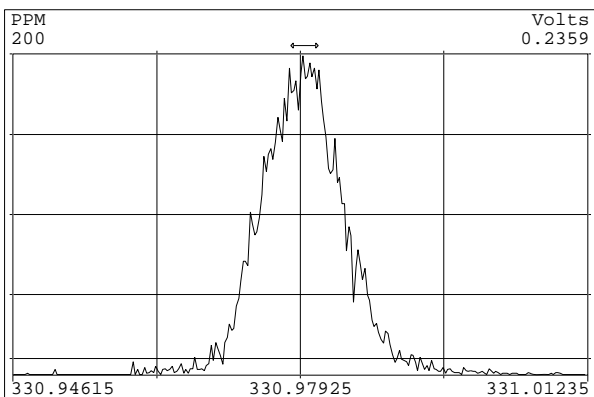
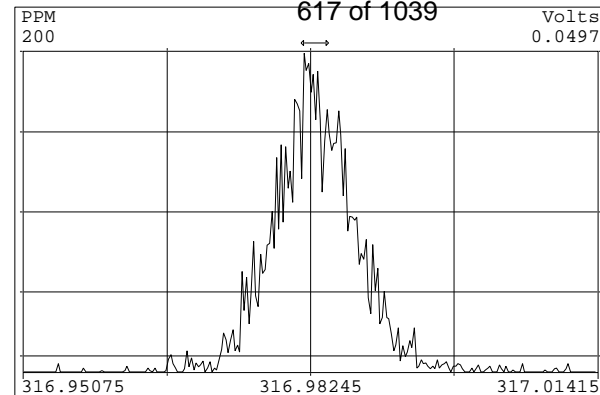
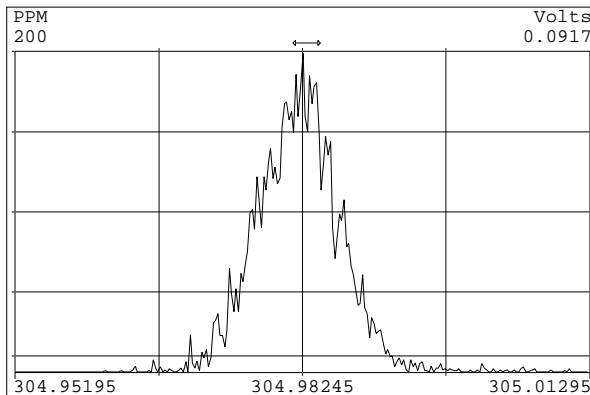
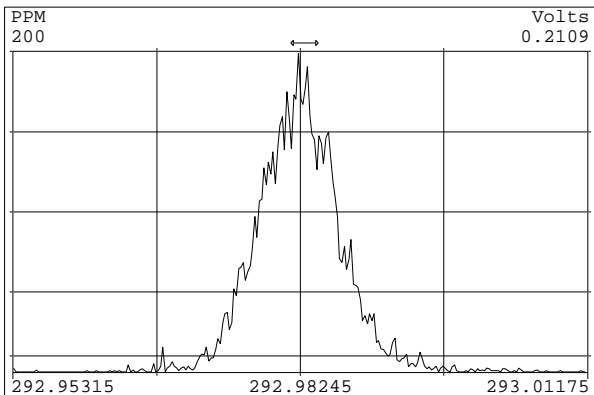


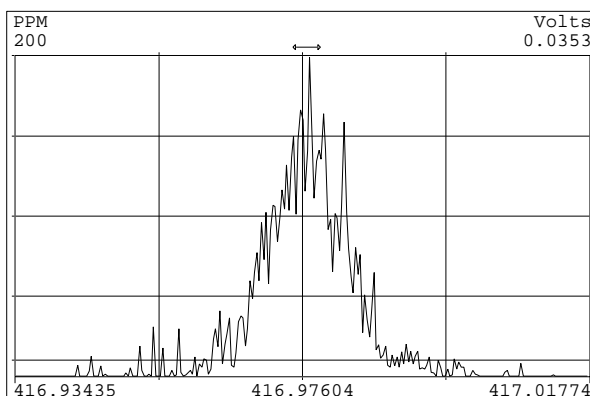
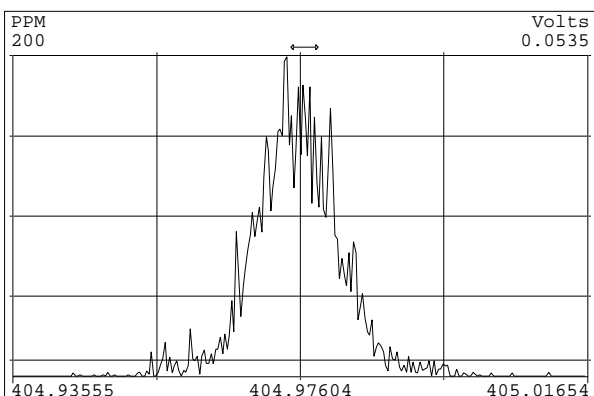
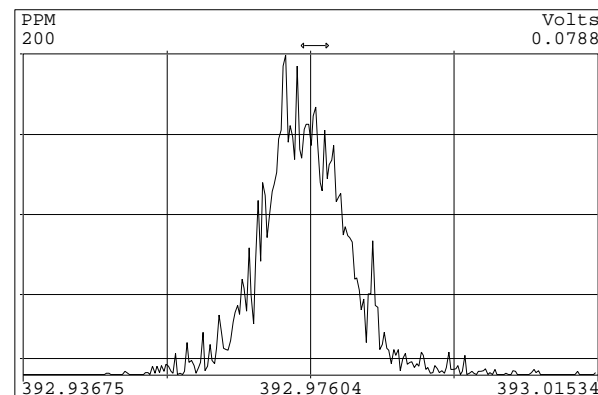
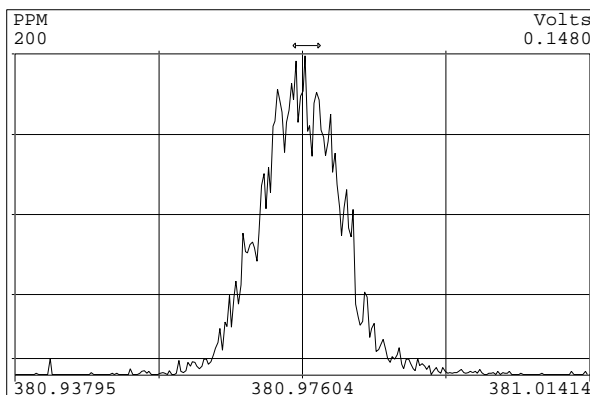
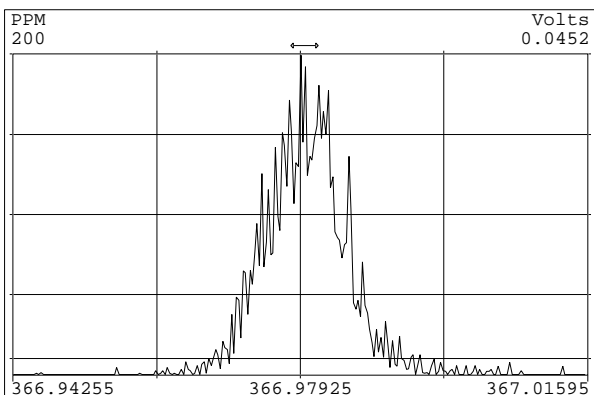
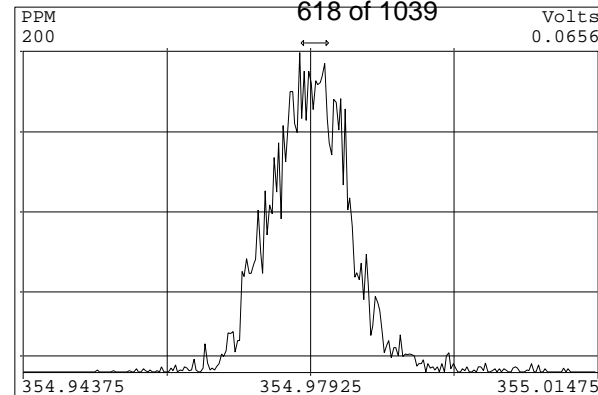
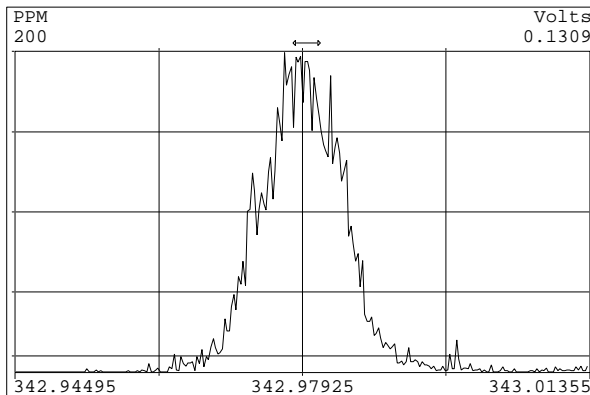
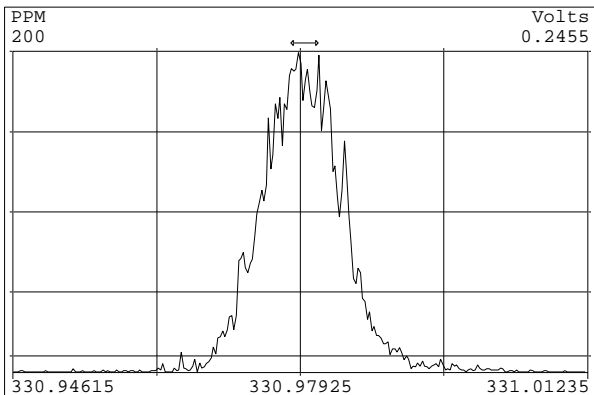


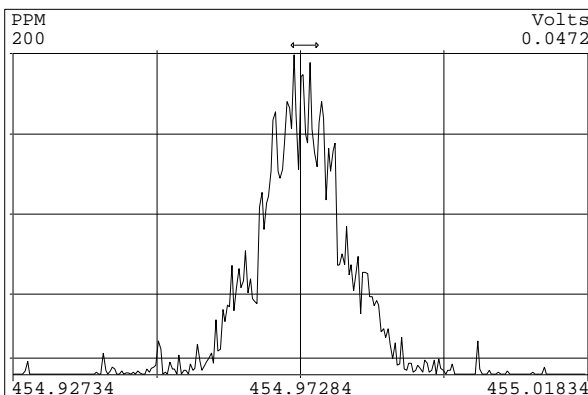
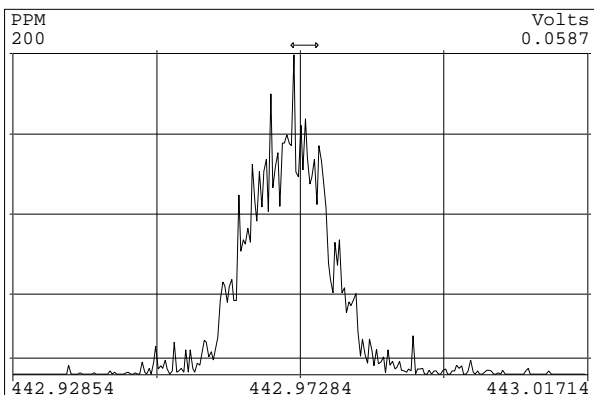
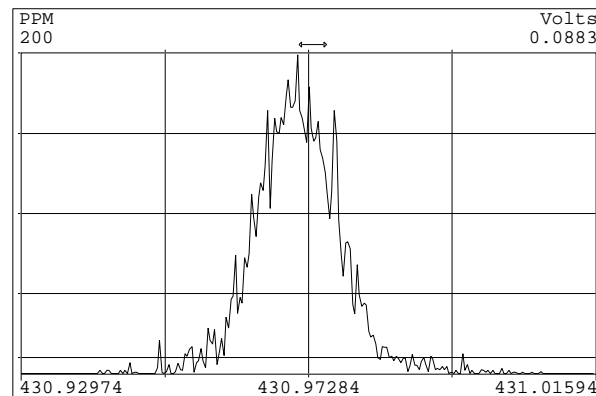
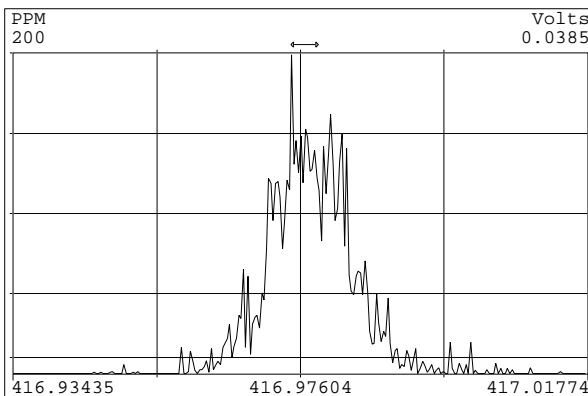
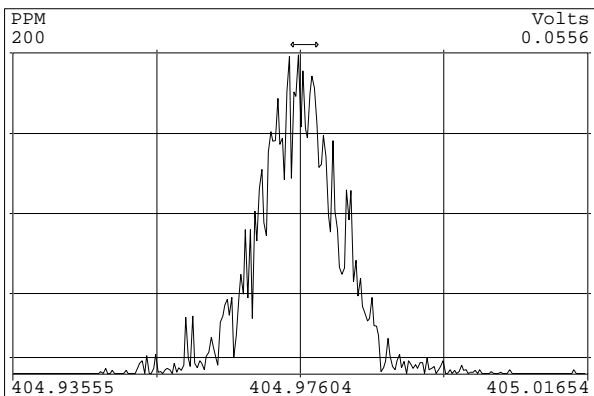
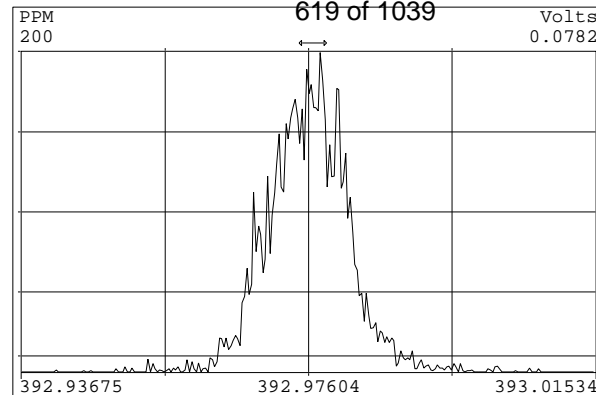
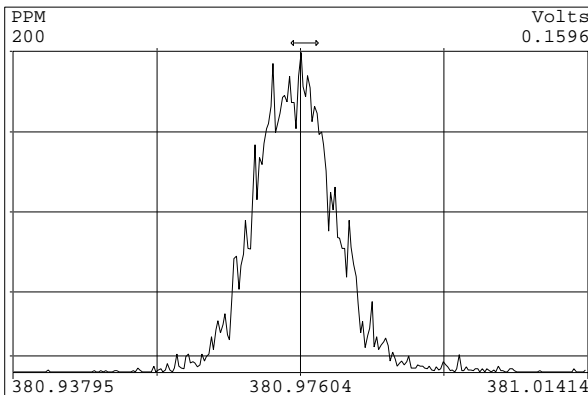
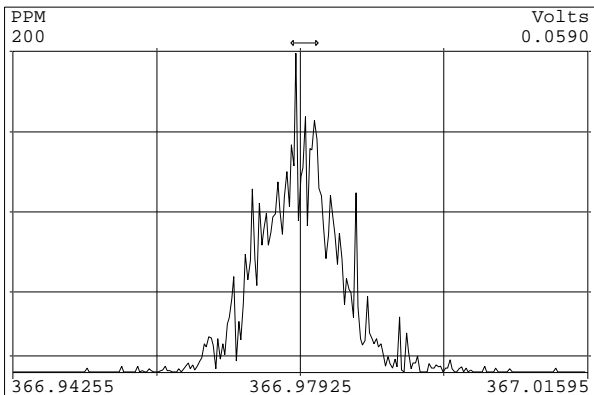


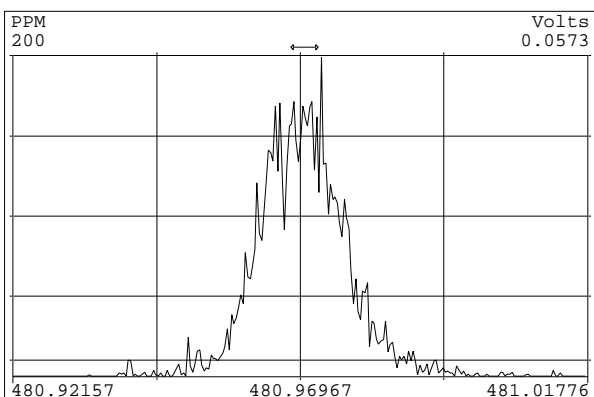
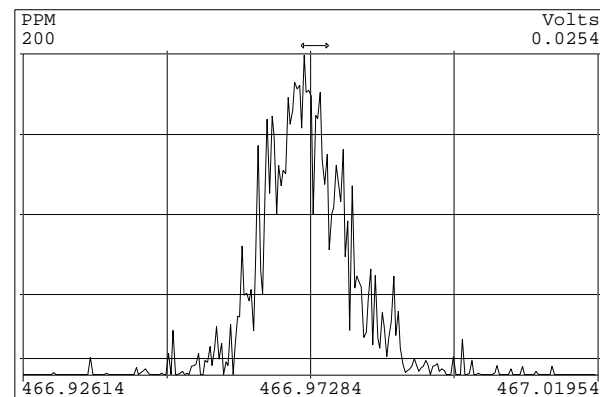
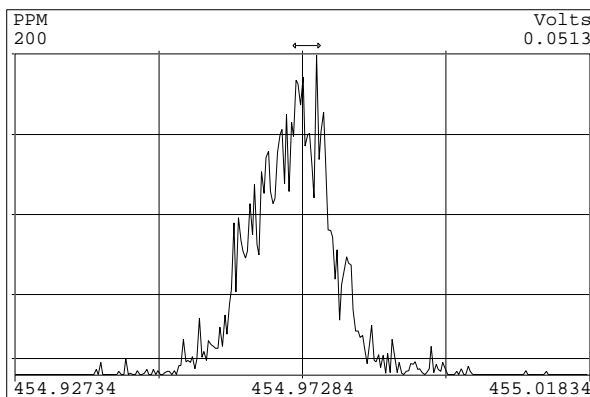
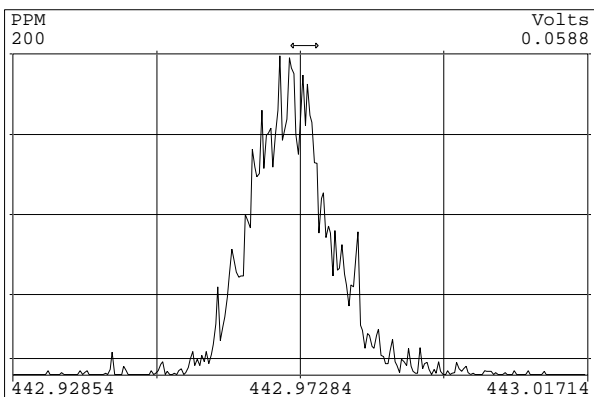
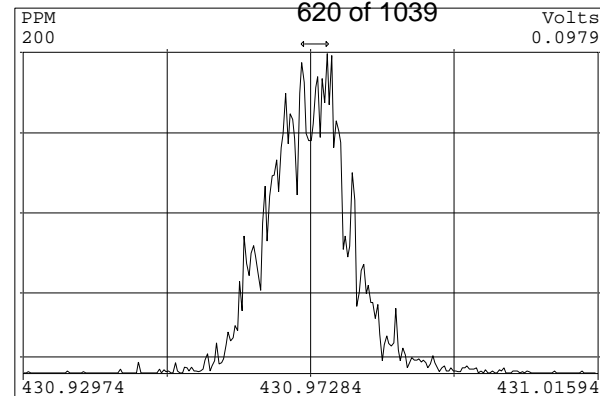
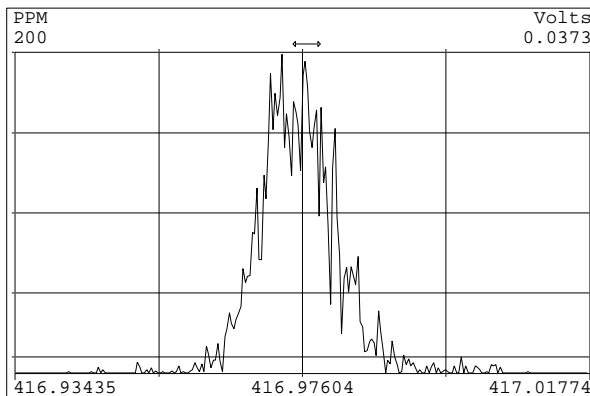
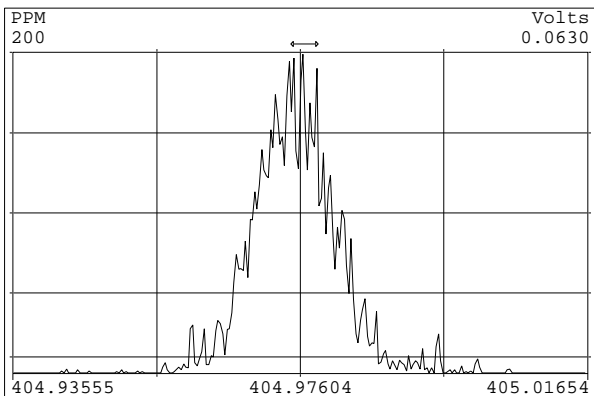


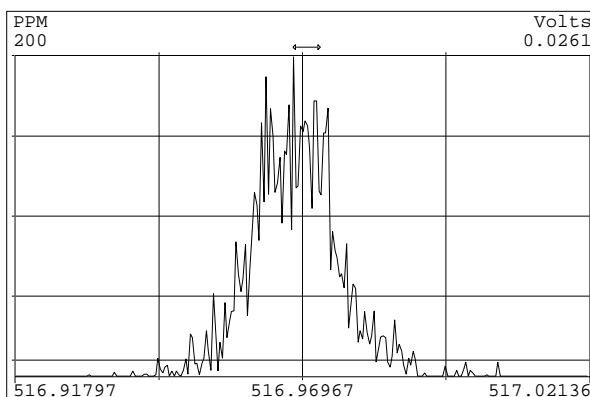
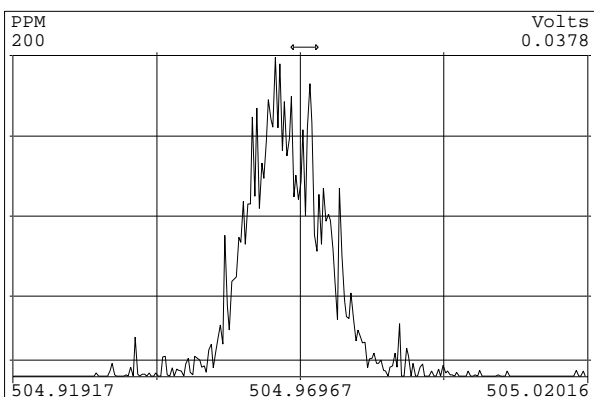
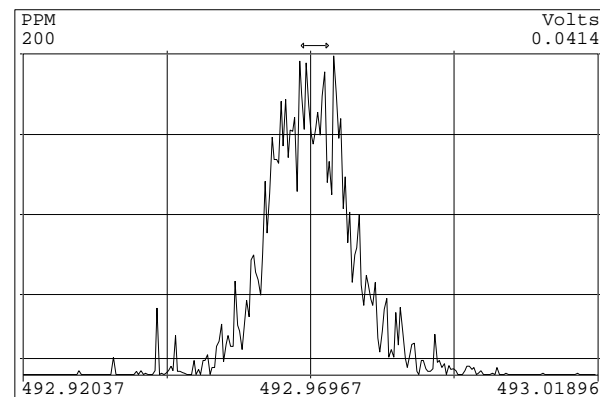
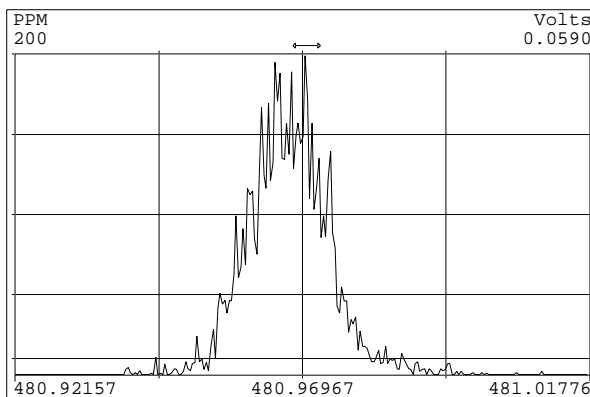
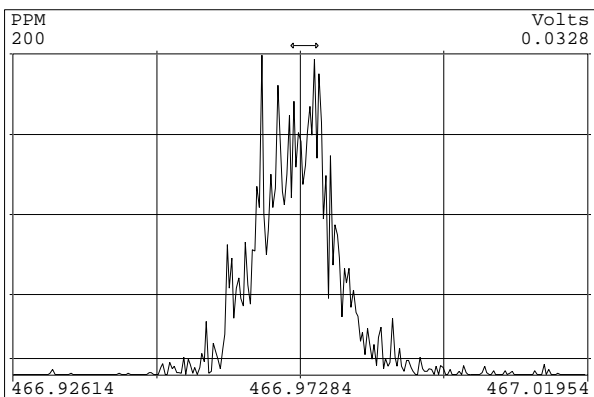
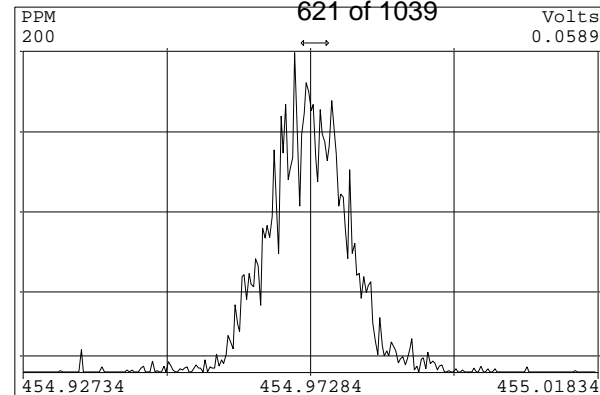
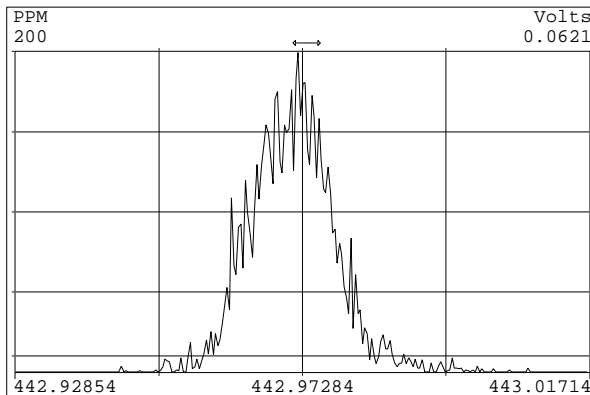
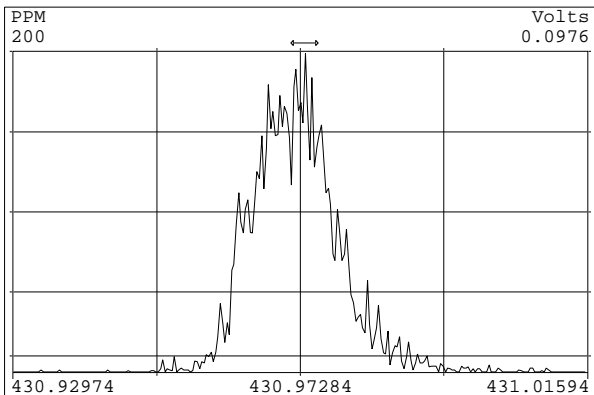


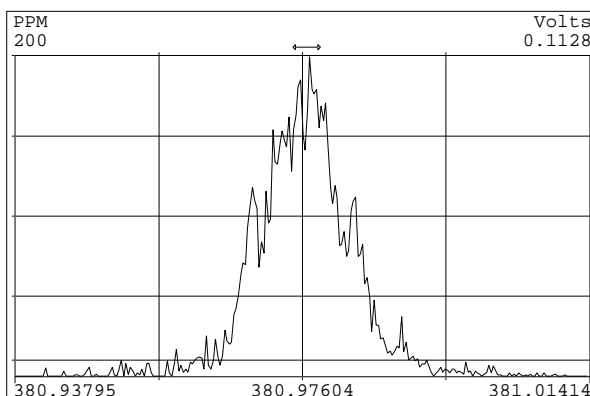
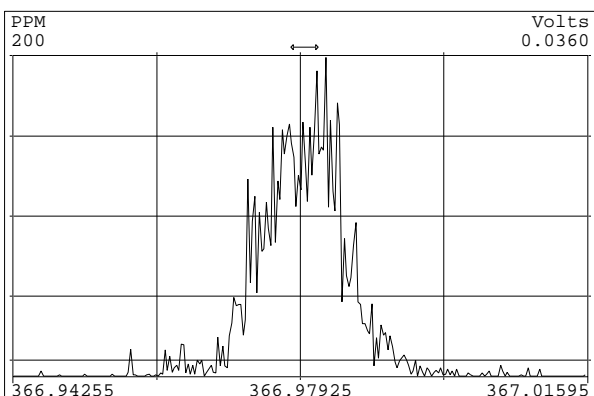
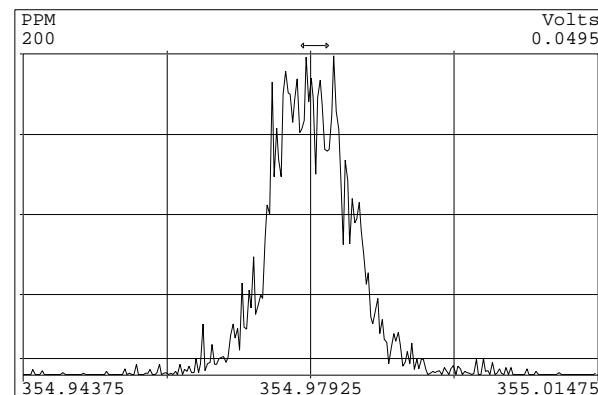
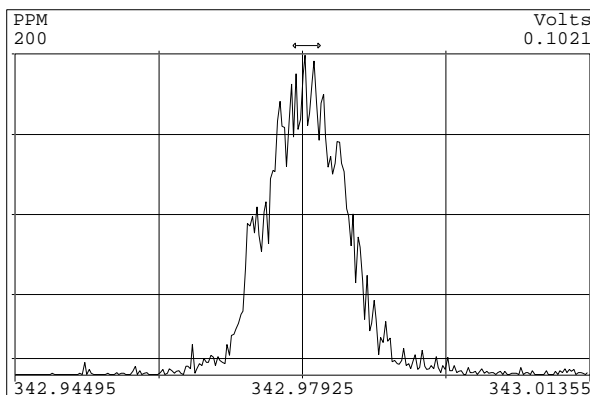
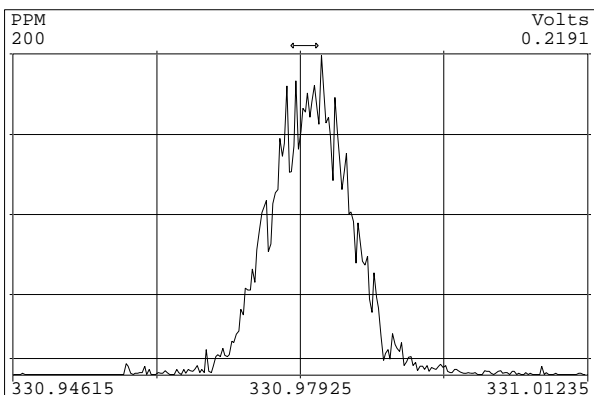
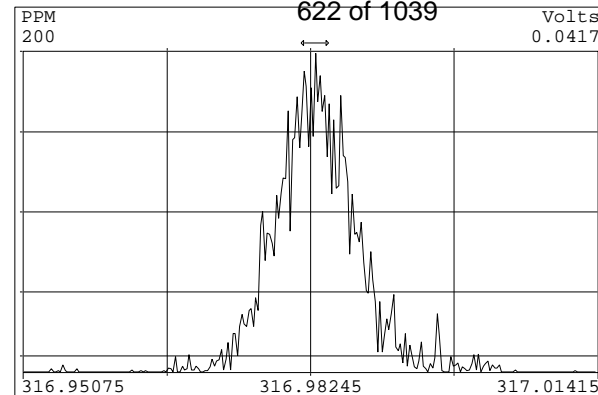
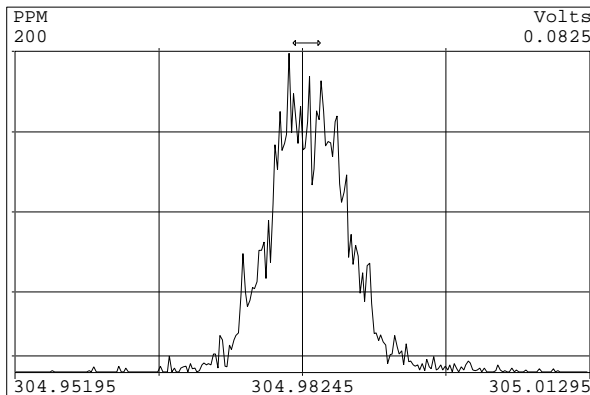
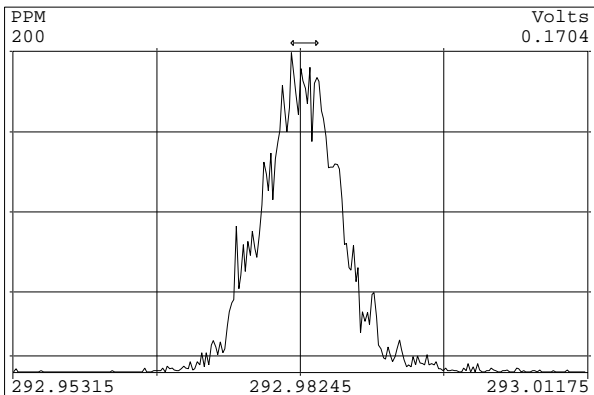


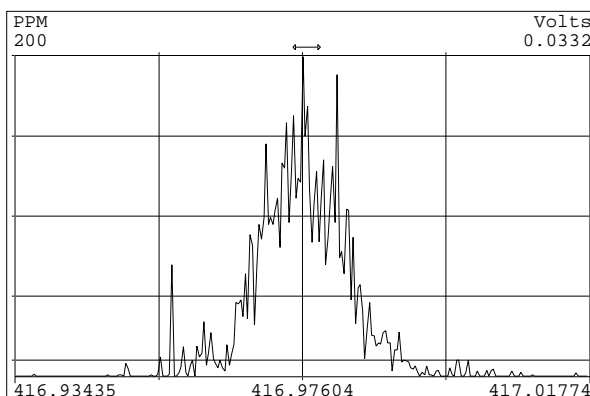
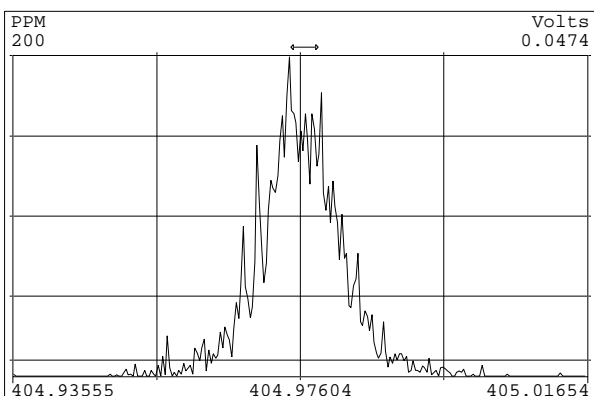
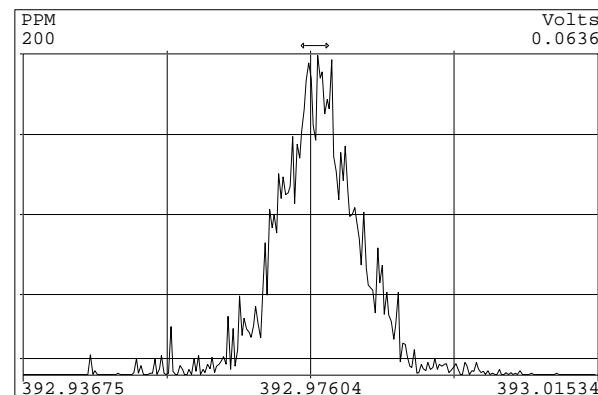
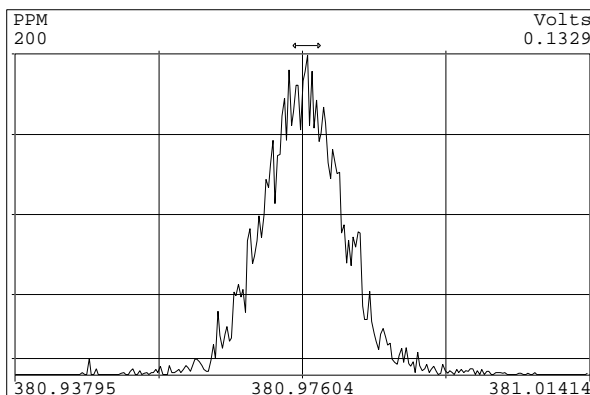
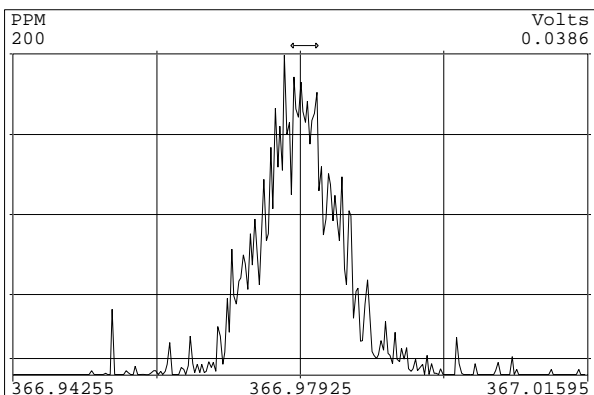
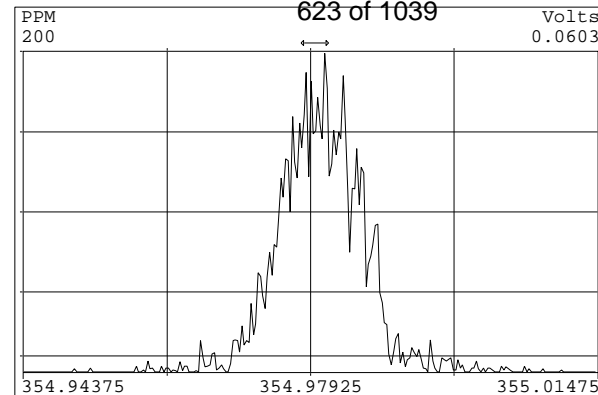
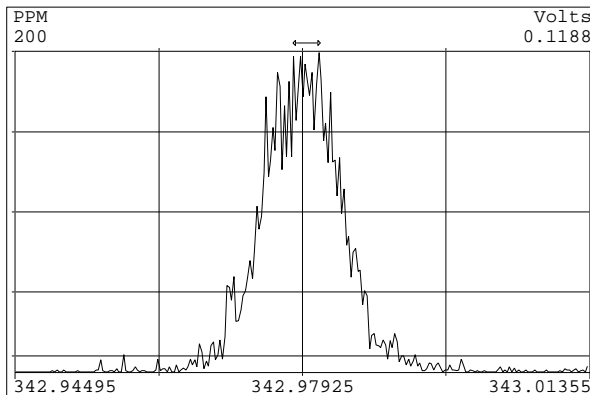
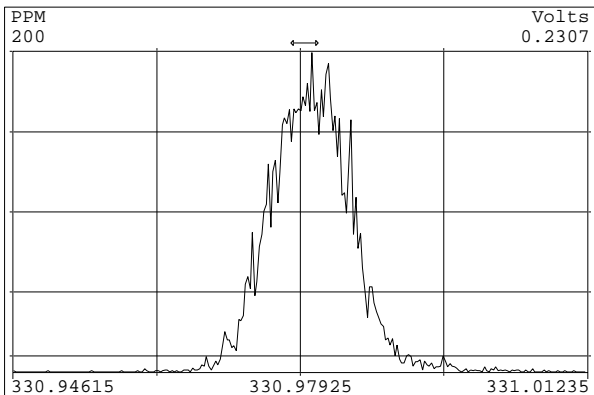


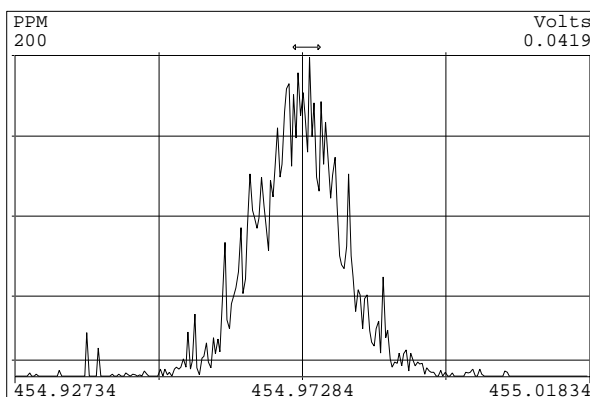
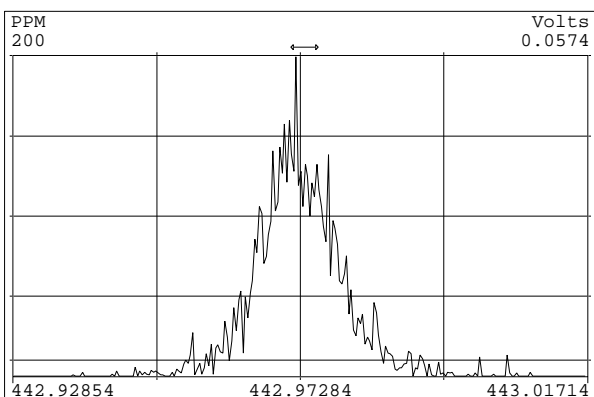
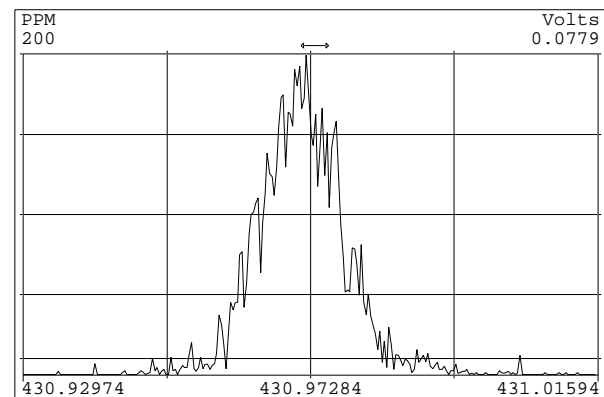
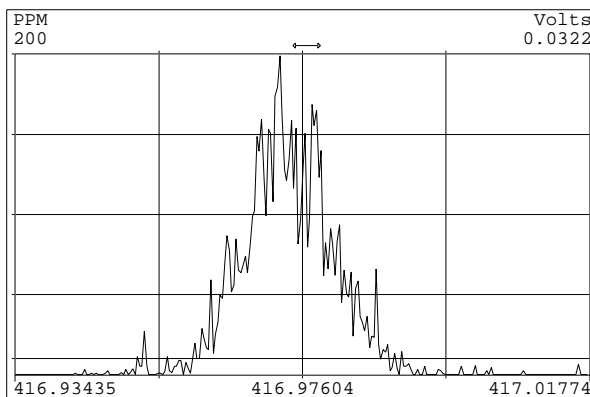
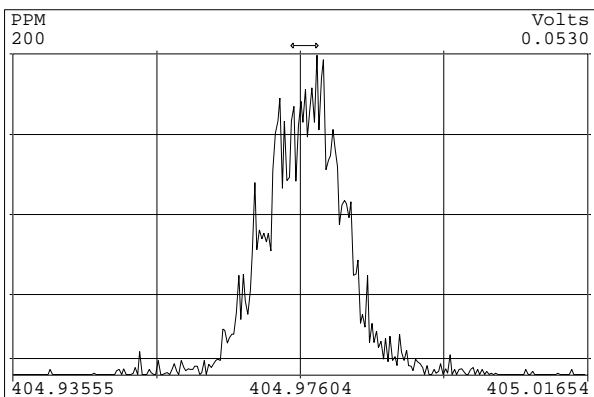
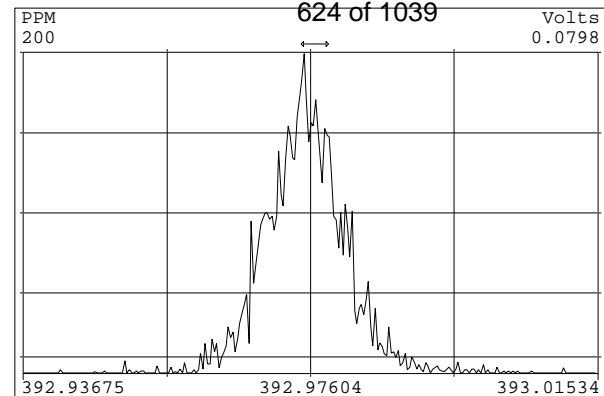
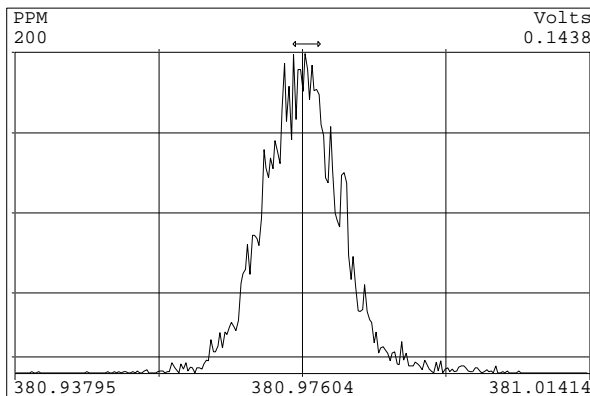
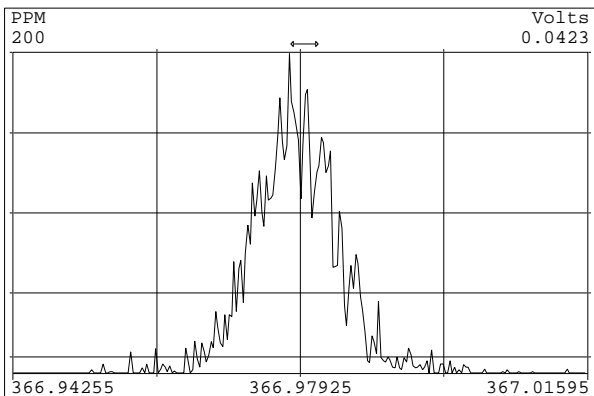


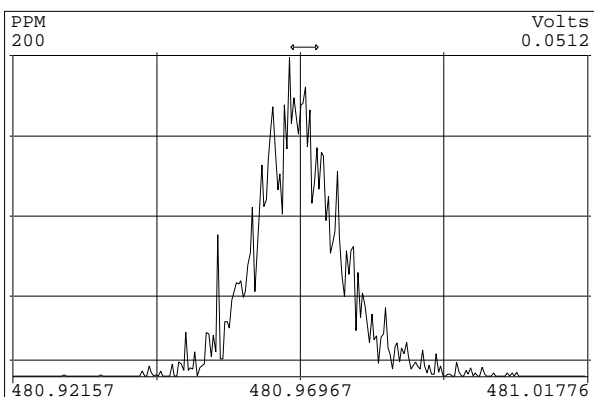
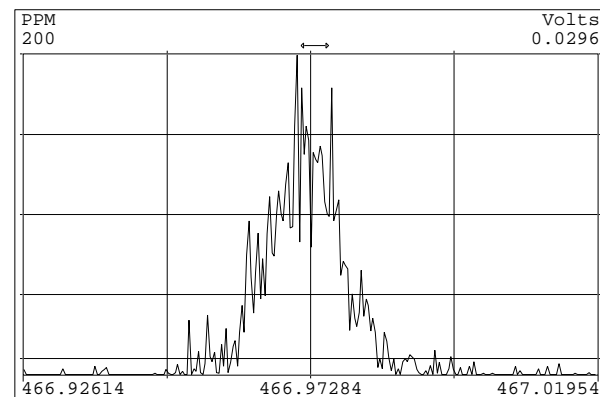
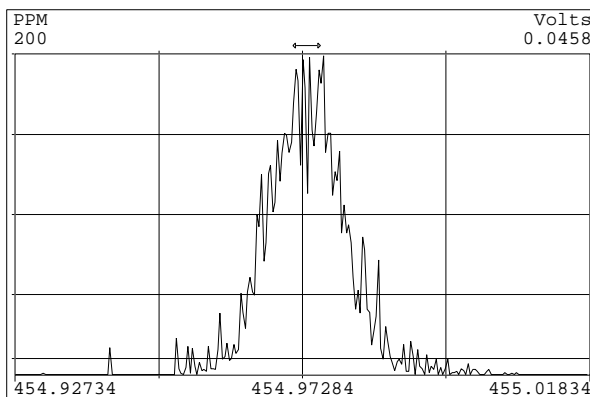
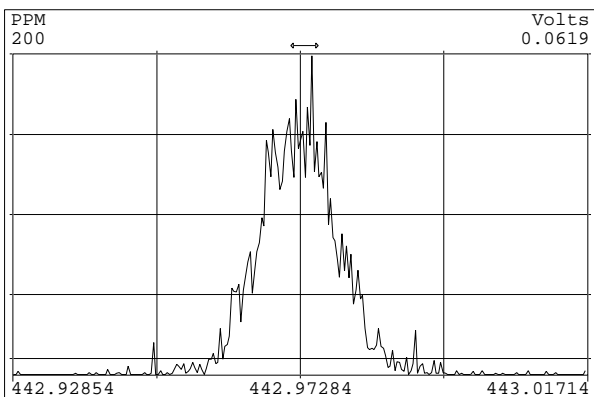
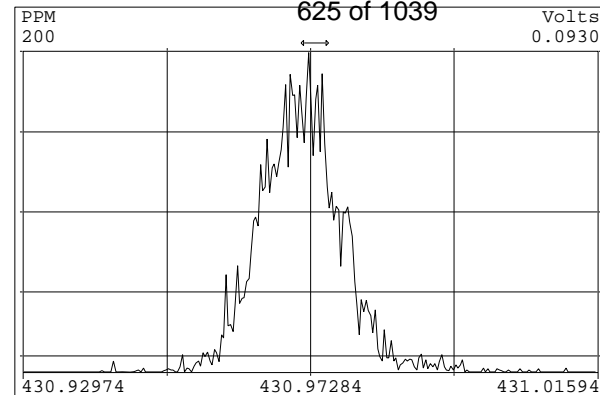
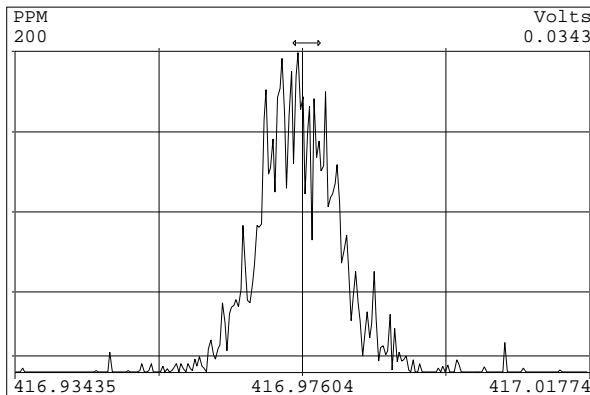
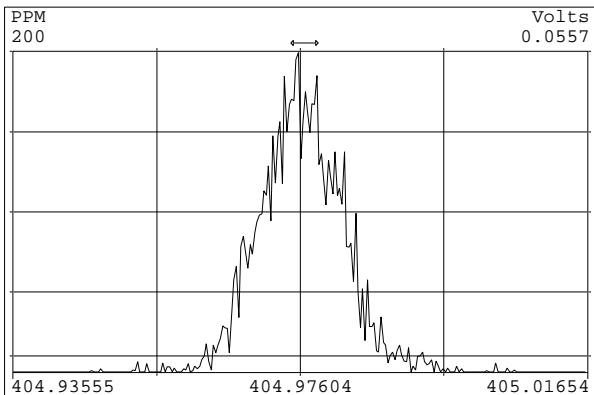


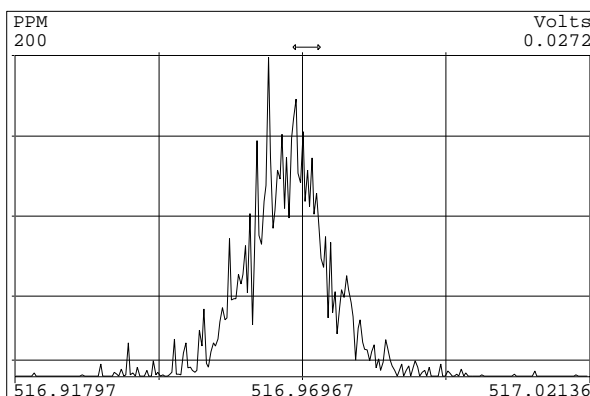
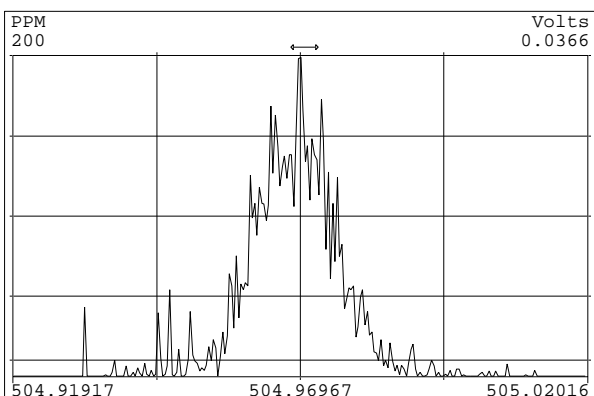
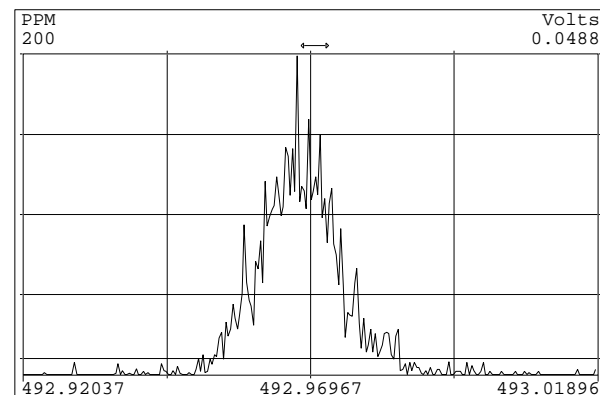
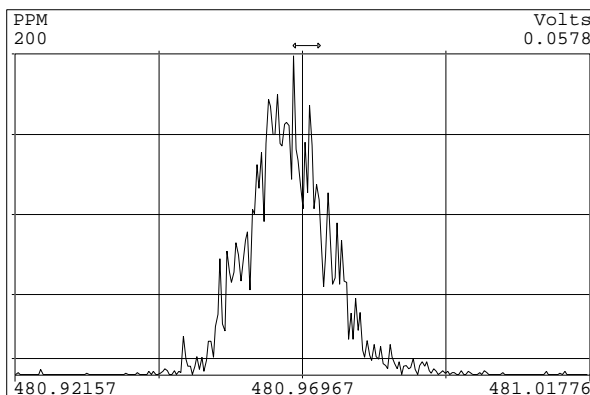
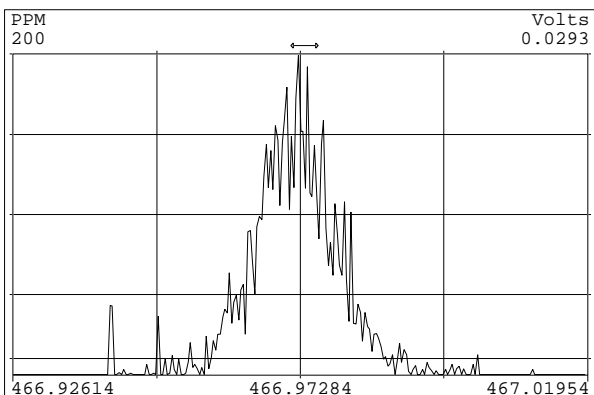
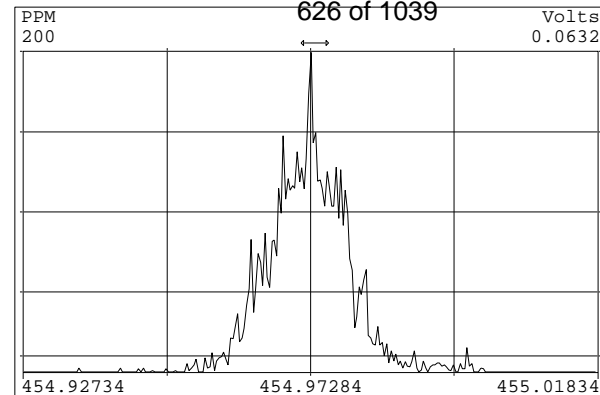
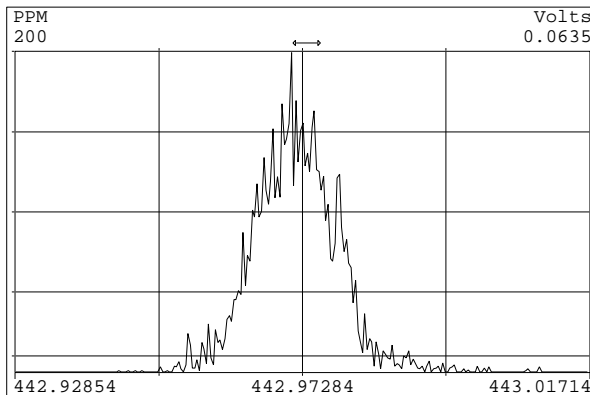
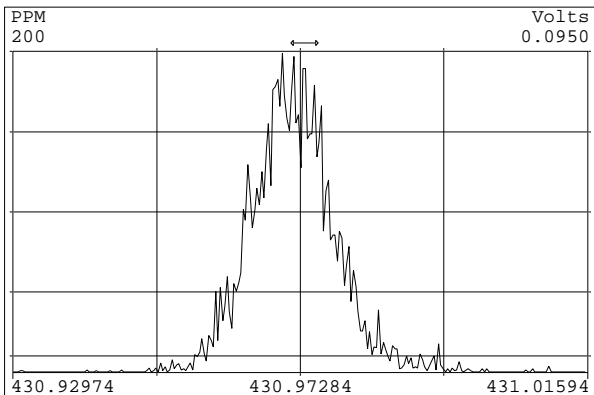














SGS Analytical Perspectives — Run Log

Project: A5698_11123_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
2	130719V07	3	CS3_130719_PCB_VB	1.00	SIL 12-65-1	JLJ, LKB	618-558	19-Jul-2013	12:51:11
3	130719V08	12	OPR1_11123_PCB-RJ	1.00	0_11123_OPR001	JLJ, LKB	844-282	19-Jul-2013	13:44:20
4	130719V09	2	SBS_130719_PCB_VB	1.00	SIL 9-41-1	JLJ, LKB	019-459	19-Jul-2013	14:38:36
5	130719V10	13 	MB1_11123_PCB_SDS-RJ	10.00	Method Blank A5698	JLJ, LKB	683-855	19-Jul-2013	15:32:53
6	130719V11	14	A5698_11123_PCB_001	5.85	JW-SS-207-130429	JLJ, LKB	464-072	19-Jul-2013	16:27:08
7	130719V12	15	A5698_11123_PCB_002	5.48	JW-SS-208-130429	JLJ, LKB	692-940	19-Jul-2013	17:21:24
8	130719V13	16	A5698_11123_PCB_003	6.45	JW-SS-209-130429	JLJ, LKB	901-317	19-Jul-2013	18:15:39
9	130719V14	17	A5698_11123_PCB_004	6.29	JW-SS-211-130429	JLJ, LKB	390-810	19-Jul-2013	19:09:58
10	130719V15	18 	A5698_11123_PCB_005	5.47	JW-SS-214-130429	JLJ, LKB	158-766	19-Jul-2013	20:04:19
11	130719V16	19	A5698_11123_PCB_006	5.78	JW-SS-215-130429	JLJ, LKB	635-390	19-Jul-2013	20:58:36
12	130719V17	20	A5698_11123_PCB_007	8.47	JW-SS-216-130429	JLJ, LKB	627-870	19-Jul-2013	21:52:50
13	130719V18	21	A5698_11123_PCB_015	8.00	JW-EA09-SC36-A-130426	JLJ, LKB	344-876	19-Jul-2013	22:47:06



= manual calculation

REVIEWED
 By Laura Boivin at 4:47 pm, Jul 23, 2013

APPROVED
 By Amy Boehm at 10:35 am, Jul 25, 2013

PCB QC Summary		SGS Analytical Perspectives			Processed: 23-Jul-2013 16:16		
Lab ID:	CS3_130719_PCB_VB						
Acquired:	19-JUL-2013 12:51		ICAL: MM6_PCB_07132012_14DEC12				
Datafile:	130719V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	30.59	4.18E+07	0.78 Y	1.25	1.17	-6.6%	
PCB-81 344'5'-TeCB	30.11	4.18E+07	0.77 Y	1.26	1.20	-4.3%	
PCB-105 233'44'-PeCB	33.57	2.90E+07	0.62 Y	1.06	1.05	-0.3%	
PCB-114 2344'5'-PeCB	33.01	3.26E+07	0.63 Y	1.11	1.13	1.3%	
PCB-118 23'44'5'-PeCB	32.55	3.14E+07	0.62 Y	1.08	1.03	-4.4%	
PCB-123 23'44'5'-PeCB	32.28	3.33E+07	0.62 Y	1.12	1.14	2.1%	
PCB-126 33'44'5'-PeCB	36.17	3.11E+07	0.62 Y	1.16	1.07	-7.5%	
PCB-156/157 ...-HxCB	38.73	5.56E+07	1.25 Y	1.14	1.10	-3.2%	
PCB-167 23'44'55'-HxCB	37.74	3.11E+07	1.25 Y	1.18	1.17	-0.5%	
PCB-169 33'44'55'-HxCB	41.46	2.58E+07	1.29 Y	1.15	1.16	0.5%	
PCB-189 233'44'55'-HpCB	43.58	3.04E+07	1.05 Y	1.12	1.05	-6.1%	
PCB-209 DeCB	48.58	2.08E+07	1.19 Y	1.11	1.03	-7.3%	
ES PCB-1	10.55	1.02E+08	3.19 Y	0.97	0.92	-5.6%	
ES PCB-3	12.60	8.88E+07	3.27 Y	0.90	0.80	-11.4%	
ES PCB-4	12.83	7.80E+07	1.56 Y	0.70	0.70	-0.1%	
ES PCB-15	18.17	1.03E+08	1.61 Y	1.02	0.92	-9.1%	
ES PCB-19	15.68	6.19E+07	1.04 Y	0.53	0.55	5.4%	
ES PCB-37	24.30	6.95E+07	1.12 Y	1.29	1.09	-15.9%	
ES PCB-54	18.44	7.88E+07	0.77 Y	1.43	1.23	-13.6%	
ES PCB-77	30.57	7.17E+07	0.84 Y	1.20	1.12	-6.7%	
ES PCB-81	30.09	6.94E+07	0.83 Y	1.16	1.09	-6.5%	
ES PCB-104	23.25	7.10E+07	1.58 Y	1.70	1.34	-21.2%	
ES PCB-105	33.54	5.51E+07	1.56 Y	1.10	1.04	-5.1%	
ES PCB-114	32.99	5.79E+07	1.58 Y	1.16	1.10	-5.3%	
ES PCB-118	32.53	6.09E+07	1.55 Y	1.15	1.15	-0.4%	
ES PCB-123	32.26	5.82E+07	1.59 Y	1.14	1.10	-3.6%	
ES PCB-126	36.16	5.82E+07	1.62 Y	1.34	1.10	-17.9%	
ES PCB-153	34.11	6.28E+07	1.28 Y	1.14	1.17	2.6%	
ES PCB-155	28.12	8.52E+07	1.28 Y	1.61	1.59	-1.5%	
ES PCB-156/157	38.71	1.01E+08	1.25 Y	0.98	0.94	-3.7%	
ES PCB-167	37.72	5.30E+07	1.27 Y	1.01	0.99	-2.0%	
ES PCB-169	41.44	4.45E+07	1.26 Y	0.90	0.83	-7.4%	
ES PCB-170	40.94	4.41E+07	1.01 Y	1.28	1.28	-0.2%	
ES PCB-180	39.86	5.19E+07	1.04 Y	1.54	1.51	-2.0%	
ES PCB-188	32.97	7.96E+07	1.07 Y	1.63	1.49	-8.6%	
ES PCB-189	43.56	5.81E+07	1.04 Y	1.97	1.69	-14.3%	
ES PCB-202	37.52	7.09E+07	0.88 Y	1.26	1.32	4.9%	
ES PCB-205	45.73	3.96E+07	0.90 Y	1.22	1.15	-5.8%	
ES PCB-206	47.21	3.60E+07	0.78 Y	1.10	1.05	-4.9%	
ES PCB-208	43.16	5.32E+07	0.79 Y	1.41	1.55	9.8%	
ES PCB-209	48.56	4.03E+07	1.17 Y	1.24	1.17	-5.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 23-Jul-2013 16:16		
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	20.83	7.85E+07	1.11 Y	1.18	1.13	-4.1%	
SS PCB-111	30.58	6.20E+07	1.57 Y	1.01	1.07	5.9%	
SS PCB-178	35.55	5.17E+07	1.03 Y	0.60	0.65	7.7%	
CS PCB-28	20.83	7.85E+07	1.11 Y	1.52	1.23	-19.3%	
CS PCB-111	30.58	6.20E+07	1.57 Y	1.15	1.17	2.1%	
CS PCB-178	35.55	5.17E+07	1.03 Y	0.98	0.96	-1.5%	
JS PCB-9	14.65	1.11E+08	1.61 Y		-	-	
JS PCB-52	22.42	6.39E+07	0.77 Y		-	-	
JS PCB-101	28.31	5.29E+07	1.55 Y		-	-	
JS PCB-138	35.17	5.36E+07	1.29 Y		-	-	
JS PCB-194	45.33	3.44E+07	0.91 Y		-	-	
PCB-1 2-MoCB	10.56	6.33E+07	3.06 Y	1.25	1.24	-0.6%	
PCB-3 4-MoCB	12.61	5.56E+07	3.06 Y	1.27	1.25	-1.1%	
PCB-4 22'-DiCB	12.85	3.52E+07	1.55 Y	0.90	0.90	0.5%	
PCB-15 44'-DiCB	18.18	5.33E+07	1.53 Y	1.10	1.04	-5.5%	
PCB-19 22'6'-TrCB	15.70	2.90E+07	1.03 Y	0.95	0.94	-0.8%	
PCB-37 344'-TrCB	24.32	4.72E+07	1.03 Y	1.39	1.36	-2.3%	
PCB-54 22'66'-TeCB	18.46	4.24E+07	0.81 Y	1.05	1.08	2.3%	
PCB-104 22'466'-PeCB	23.27	4.08E+07	0.63 Y	1.12	1.15	2.7%	
PCB-155 22'44'66'-HxCB	28.14	4.62E+07	1.23 Y	1.09	1.08	-0.6%	
PCB-188 22'34'566'-HpCB	33.00	4.01E+07	1.03 Y	0.98	1.01	2.5%	
PCB-202 22'33'55'66'-OcCB	37.54	3.03E+07	0.88 Y	0.86	0.85	-1.2%	
PCB-205 233'44'55'6-OcCB	45.75	2.16E+07	0.90 Y	1.13	1.09	-4.0%	
PCB-208 22'33'455'66'-NoCB	43.18	2.61E+07	0.77 Y	1.03	0.98	-5.2%	
PCB-206 22'33'44'55'6-NoCB	47.23	1.70E+07	0.78 Y	0.97	0.94	-2.7%	

PCB QC Summary - Ax2 Detail				Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	10.56	6.33E+07	3.06 Y	1.25	-	-	
PCB-2 3-MoCB	12.45	5.59E+07	3.08 Y	1.28	1.26	-1.4%	
PCB-3 4-MoCB	12.61	5.56E+07	3.06 Y	1.27	-	-	
PCB-4 22'-DiCB	12.85	3.52E+07	1.55 Y	0.90	-	-	
PCB-10 26-DiCB	13.01	5.45E+07	1.54 Y	1.38	1.40	1.4%	
PCB-9 25-DiCB	14.67	5.15E+07	1.52 Y	0.99	1.00	1.3%	
PCB-7 24-DiCB	14.82	5.78E+07	1.53 Y	1.10	1.12	2.0%	
PCB-6 23'-DiCB	15.04	5.29E+07	1.52 Y	1.04	1.03	-1.0%	
PCB-5 23-DiCB	15.32	5.38E+07	1.53 Y	1.02	1.05	2.1%	
PCB-8 24'-DiCB	15.43	5.43E+07	1.53 Y	1.03	1.06	2.2%	
PCB-14 35-DiCB	16.89	6.26E+07	1.53 Y	1.20	1.22	1.4%	
PCB-11 33'-DiCB	17.63	5.02E+07	1.53 Y	1.03	0.98	-5.1%	
PCB-13/12 34'/34-DiCB	17.91	1.01E+08	1.54 Y	1.03	0.98	-5.1%	
PCB-15 44'-DiCB	18.18	5.33E+07	1.53 Y	1.10	-	-	
PCB-19 22'6-TrCB	15.70	2.90E+07	1.03 Y	0.95	-	-	
PCB-30/18 246/22'5-TrCB	17.35	7.57E+07	1.04 Y	1.23	1.22	-0.5%	
PCB-17 22'4-TrCB	17.74	3.26E+07	1.05 Y	1.05	1.05	0.0%	
PCB-27 23'6-TrCB	17.93	4.29E+07	1.04 Y	1.46	1.39	-5.3%	
PCB-24 236-TrCB	18.05	4.21E+07	1.04 Y	1.32	1.36	3.0%	
PCB-16 22'3-TrCB	18.15	2.54E+07	1.03 Y	0.81	0.82	1.5%	
PCB-32 24'6-TrCB	18.61	4.56E+07	1.04 Y	1.48	1.47	-0.2%	
PCB-34 23'5'-TrCB	19.71	5.32E+07	1.04 Y	1.46	1.53	4.8%	
PCB-23 235-TrCB	19.85	5.50E+07	1.04 Y	1.50	1.58	5.2%	
PCB-26/29 23'5/245-TrCB	20.13	1.08E+08	1.04 Y	1.53	1.56	1.7%	
PCB-25 23'4-TrCB	20.32	5.53E+07	1.03 Y	1.53	1.59	3.7%	
PCB-31 24'5-TrCB	20.59	5.63E+07	1.04 Y	1.55	1.62	4.5%	
PCB-28/20 244'/233'-TrCB	20.87	1.05E+08	1.03 Y	1.51	1.51	0.4%	
PCB-21/33 234/23'4'-TrCB	21.04	1.10E+08	1.04 Y	1.55	1.58	2.0%	
PCB-22 234'-TrCB	21.41	5.02E+07	1.04 Y	1.40	1.45	3.4%	
PCB-36 33'5-TrCB	22.75	5.38E+07	1.04 Y	1.52	1.55	2.0%	
PCB-39 34'5-TrCB	23.06	5.33E+07	1.04 Y	1.58	1.53	-3.1%	
PCB-38 345-TrCB	23.57	5.06E+07	1.03 Y	1.47	1.46	-0.8%	
PCB-35 33'4-TrCB	23.97	4.56E+07	1.03 Y	1.33	1.31	-1.7%	
PCB-37 344'-TrCB	24.32	4.72E+07	1.03 Y	1.39	-	-	
PCB-54 22'66'-TeCB	18.46	4.24E+07	0.81 Y	1.05	-	-	
PCB-50/53 22'46/22'56'-TeCB	20.37	6.23E+07	0.77 Y	0.88	0.90	2.5%	
PCB-45 22'36'-TeCB	20.94	2.90E+07	0.76 Y	0.73	0.84	14.0%	
PCB-51 22'46'-TeCB	21.01	2.97E+07	0.78 Y	0.94	0.86	-8.6%	
PCB-46 22'36'-TeCB	21.22	2.54E+07	0.76 Y	0.72	0.73	2.1%	
PCB-52 22'55'-TeCB	22.44	2.95E+07	0.77 Y	0.82	0.85	3.2%	
PCB-73 23'5'6'-TeCB	22.56	3.98E+07	0.77 Y	1.10	1.15	4.3%	

Lab ID: - Ax2 Detail			Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12				
Acquired:	19-JUL-2013 12:51					
Datafile:	130719V07					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	22.65	2.56E+07	0.78 Y	0.70	0.74	4.7%
PCB-69/49 23'46'/22'45'-TeCB	22.84	7.17E+07	0.78 Y	1.01	1.03	2.5%
PCB-48 22'45'-TeCB	23.11	2.96E+07	0.78 Y	0.84	0.85	1.2%
PCB-44/47/65 ...-TeCB	23.32	9.44E+07	0.77 Y	0.90	0.91	0.6%
PCB-59/62/75 ...-TeCB	23.59	1.20E+08	0.77 Y	1.15	1.15	-0.4%
PCB-42 22'34'-TeCB	23.76	2.83E+07	0.76 Y	0.76	0.82	6.9%
PCB-41 22'34'-TeCB	24.09	2.44E+07	0.77 Y	0.64	0.70	9.7%
PCB-71/40 23'4'6'/22'33'-TeCB	24.19	6.09E+07	0.78 Y	0.83	0.88	5.4%
PCB-64 234'6'-TeCB	24.38	4.31E+07	0.77 Y	1.17	1.24	5.7%
PCB-72 23'55'-TeCB	25.09	4.77E+07	0.77 Y	1.37	1.37	0.3%
PCB-68 23'45'-TeCB	25.34	4.98E+07	0.77 Y	1.52	1.44	-5.2%
PCB-57 233'5'-TeCB	25.70	4.49E+07	0.78 Y	1.32	1.30	-2.1%
PCB-58 233'5'-TeCB	25.91	4.48E+07	0.78 Y	1.34	1.29	-3.6%
PCB-67 23'45'-TeCB	26.05	4.79E+07	0.78 Y	1.41	1.38	-2.2%
PCB-63 234'5'-TeCB	26.28	4.94E+07	0.77 Y	1.46	1.43	-2.2%
PCB-61/70/74/76 ...-TeCB	26.56	1.85E+08	0.78 Y	1.37	1.34	-2.2%
PCB-66 23'44'-TeCB	26.85	4.23E+07	0.78 Y	1.24	1.22	-1.6%
PCB-55 233'4'-TeCB	26.99	4.41E+07	0.78 Y	1.28	1.27	-0.5%
PCB-56 233'4'-TeCB	27.43	4.26E+07	0.79 Y	1.23	1.23	-0.1%
PCB-60 2344'-TeCB	27.61	4.31E+07	0.77 Y	1.30	1.24	-4.2%
PCB-80 33'55'-TeCB	27.94	5.11E+07	0.78 Y	1.44	1.47	2.6%
PCB-79 33'45'-TeCB	29.25	4.74E+07	0.78 Y	1.48	1.37	-7.4%
PCB-78 33'45'-TeCB	29.73	3.97E+07	0.76 Y	1.21	1.14	-5.4%
PCB-104 22'466'-PeCB	23.27	4.08E+07	0.63 Y	1.12	-	-
PCB-96 22'366'-PeCB	23.59	3.54E+07	0.63 Y	0.96	1.00	3.4%
PCB-103 22'45'6'-PeCB	25.25	2.67E+07	0.62 Y	0.93	0.92	-1.7%
PCB-94 22'356'-PeCB	25.44	2.33E+07	0.62 Y	0.81	0.80	-1.0%
PCB-95 22'35'6'-PeCB	25.82	2.47E+07	0.62 Y	0.85	0.85	-0.1%
PCB-100/93 22'44'6'/22'356'-PeC	26.01	5.09E+07	0.62 Y	0.88	0.87	-1.0%
PCB-102 22'456'-PeCB	26.13	2.51E+07	0.62 Y	0.93	0.86	-7.2%
PCB-98 22'34'6'-PeCB	26.19	2.54E+07	0.63 Y	0.84	0.87	4.2%
PCB-88 22'346'-PeCB	26.48	2.13E+07	0.62 Y	0.77	0.73	-5.4%
PCB-91 22'34'6'-PeCB	26.56	2.93E+07	0.63 Y	0.96	1.01	5.0%
PCB-84 22'33'6'-PeCB	26.76	2.16E+07	0.63 Y	0.72	0.74	2.8%
PCB-89 22'346'-PeCB	27.17	2.28E+07	0.63 Y	0.77	0.78	1.5%
PCB-121 23'45'6'-PeCB	27.50	3.39E+07	0.62 Y	1.15	1.16	1.6%
PCB-92 22'355'-PeCB	27.83	2.40E+07	0.63 Y	0.79	0.83	4.1%
PCB-113/90/101 ...-PeCB	28.31	8.37E+07	0.62 Y	0.95	0.96	0.5%
PCB-83 22'33'5'-PeCB	28.74	2.02E+07	0.60 Y	0.72	0.69	-3.7%

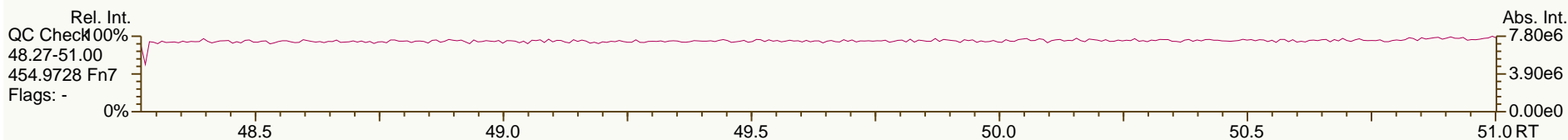
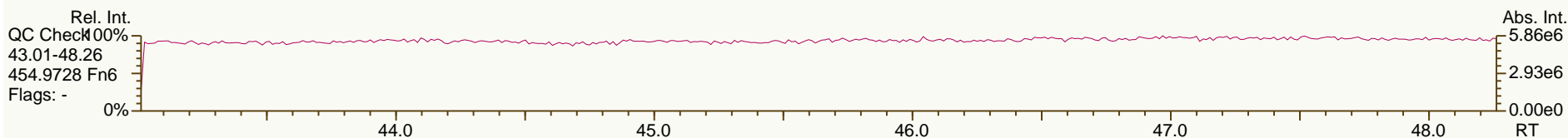
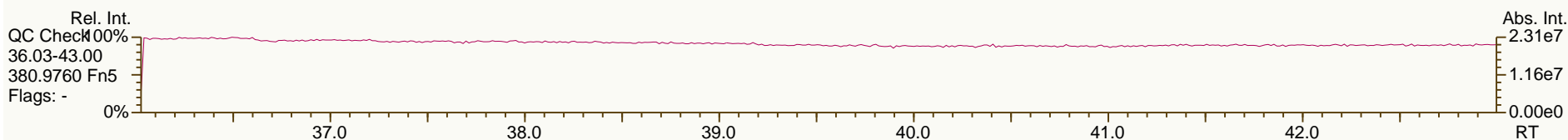
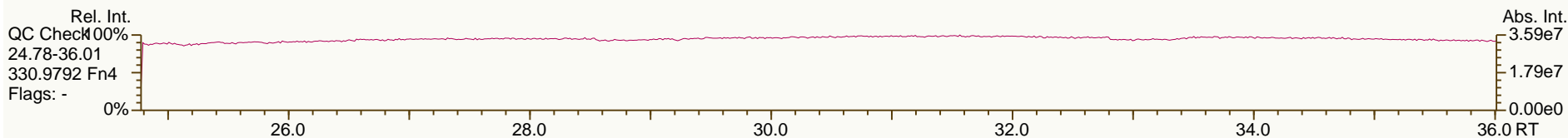
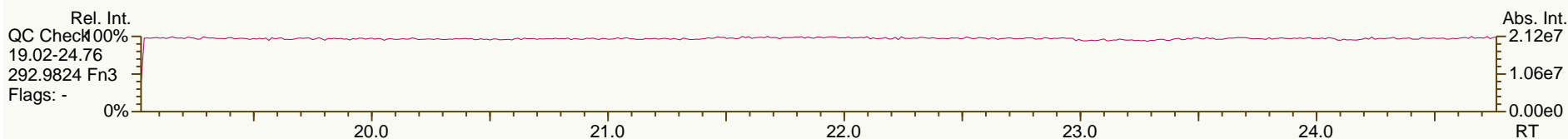
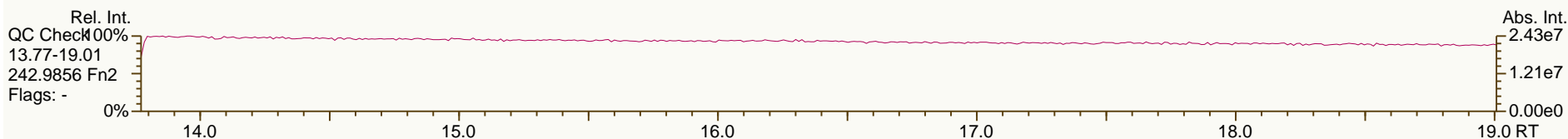
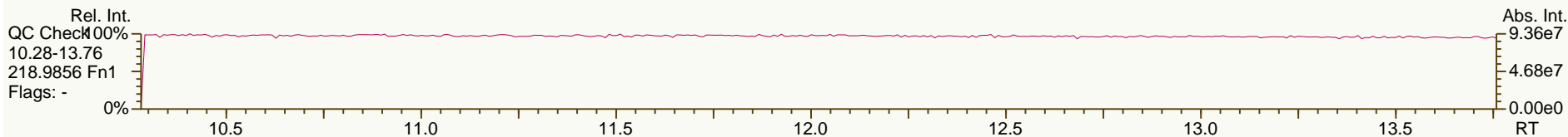
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Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	28.82	2.53E+07	0.63 Y	0.90	0.87	-3.0%	
PCB-112 233'56-PeCB	28.92	3.26E+07	0.63 Y	1.09	1.12	2.3%	
PCB-108/119/86/97/125...-PeCB	29.27	1.66E+08	0.62 Y	0.95	0.95	0.2%	
PCB-117 234'56-PeCB	29.79	2.85E+07	0.62 Y	0.99	0.98	-1.2%	
PCB-116/85 23456/22'344'-PeCl	29.88	5.73E+07	0.62 Y	0.96	0.98	2.6%	
PCB-110 233'4'6-PeCB	30.01	2.78E+07	0.62 Y	1.01	0.95	-5.4%	
PCB-115 2344'6-PeCB	30.08	3.60E+07	0.63 Y	1.15	1.24	7.5%	
PCB-82 22'33'4-PeCB	30.29	2.10E+07	0.62 Y	0.70	0.72	3.3%	
PCB-111 233'55'-PeCB	30.61	3.36E+07	0.63 Y	1.16	1.16	-0.7%	
PCB-120 23'455'-PeCB	31.00	3.30E+07	0.63 Y	1.14	1.13	-0.2%	
PCB-107/124 ...-PeCB	31.97	5.90E+07	0.62 Y	1.02	1.01	-0.4%	
PCB-109 233'46-PeCB	32.17	3.17E+07	0.62 Y	1.13	1.09	-3.7%	
PCB-106 233'45-PeCB	32.38	2.91E+07	0.62 Y	1.01	1.00	-1.0%	
PCB-122 233'4'5'-PeCB	32.85	2.71E+07	0.62 Y	0.91	0.94	2.7%	
PCB-127 33'455'-PeCB	34.79	2.83E+07	0.62 Y	1.06	1.03	-2.9%	
PCB-155 22'44'66'-HxCB	28.14	4.62E+07	1.23 Y	1.09	-	-	
PCB-152 22'3566'-HxCB	28.31	4.27E+07	1.24 Y	1.04	1.00	-3.9%	
PCB-150 22'34'66'-HxCB	28.45	4.32E+07	1.23 Y	1.03	1.02	-1.2%	
PCB-136 22'33'66'-HxCB	28.76	3.88E+07	1.23 Y	0.97	0.91	-6.4%	
PCB-145 22'3466'-HxCB	29.02	3.98E+07	1.24 Y	0.96	0.94	-2.9%	
PCB-148 22'34'56'-HxCB	30.29	3.19E+07	1.23 Y	1.03	1.01	-1.7%	
PCB-151/135 ...-HxCB	30.82	6.11E+07	1.24 Y	0.99	0.97	-2.1%	
PCB-154 22'44'56'-HxCB	31.01	3.46E+07	1.24 Y	1.17	1.10	-6.1%	
PCB-144 22'345'6-HxCB	31.28	3.15E+07	1.23 Y	1.03	1.00	-2.3%	
PCB-147/149 ...-HxCB	31.58	6.24E+07	1.25 Y	1.02	0.99	-2.4%	
PCB-134 22'33'56-HxCB	31.76	2.57E+07	1.22 Y	0.80	0.82	2.1%	
PCB-143 22'3456'-HxCB	31.84	3.05E+07	1.26 Y	0.95	0.97	2.5%	
PCB-139/140 ...-HxCB	32.09	6.35E+07	1.23 Y	1.05	1.01	-3.8%	
PCB-131 22'33'46-HxCB	32.27	2.77E+07	1.23 Y	0.90	0.88	-1.6%	
PCB-142 22'3456-HxCB	32.40	2.82E+07	1.23 Y	0.93	0.90	-2.9%	
PCB-132 22'33'46'-HxCB	32.66	2.86E+07	1.23 Y	0.93	0.91	-2.2%	
PCB-133 22'33'55'-HxCB	33.06	2.91E+07	1.23 Y	0.97	0.93	-4.4%	
PCB-165 233'55'6-HxCB	33.40	3.47E+07	1.26 Y	1.16	1.11	-4.7%	
PCB-146 22'34'55'-HxCB	33.61	3.00E+07	1.25 Y	1.01	0.96	-5.4%	
PCB-161 233'45'6-HxCB	33.72	4.00E+07	1.25 Y	1.29	1.27	-1.7%	
PCB-153/168 ...-HxCB	34.15	7.45E+07	1.24 Y	1.24	1.19	-4.1%	
PCB-141 22'3455'-HxCB	34.30	2.99E+07	1.26 Y	0.95	0.95	0.6%	
PCB-130 22'33'45'-HxCB	34.65	2.59E+07	1.24 Y	0.82	0.83	0.4%	
PCB-137 22'344'5-HxCB	34.84	3.21E+07	1.24 Y	0.97	1.02	5.4%	
PCB-164 233'4'5'6-HxCB	34.93	3.70E+07	1.24 Y	1.25	1.18	-5.7%	
PCB-163/138/129 ...-HxCB	35.21	9.04E+07	1.24 Y	1.04	0.96	-8.0%	

Lab ID: - Ax2 Detail				Processed: 23-Jul-2013 16:16			
Lab ID:	CS3_130719_PCB_VB	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	19-JUL-2013 12:51						
Datafile:	130719V07						
Name	RT	Response	RA		RRF		
PCB-160 233'456'-HxCB	35.34	3.90E+07	1.24 Y	1.19	1.24	4.3%	
PCB-158 233'44'6'-HxCB	35.53	4.06E+07	1.24 Y	1.34	1.29	-3.6%	
PCB-128/166 ...-HxCB	36.26	5.13E+07	1.26 Y	0.96	0.97	0.6%	
PCB-159 233'455'-HxCB	37.08	2.94E+07	1.24 Y	1.12	1.11	-1.4%	
PCB-162 233'4'55'-HxCB	37.33	2.88E+07	1.24 Y	1.13	1.08	-3.8%	
PCB-188 22'34'566'-HpCB	33.00	4.01E+07	1.03 Y	0.98	-	-	
PCB-179 22'33'566'-HpCB	33.29	3.67E+07	1.04 Y	0.90	0.92	2.7%	
PCB-184 22'344'66'-HpCB	33.73	3.65E+07	1.03 Y	0.86	0.92	6.0%	
PCB-176 22'33'466'-HpCB	34.04	4.04E+07	1.04 Y	0.97	1.01	4.7%	
PCB-186 22'34566'-HpCB	34.43	3.85E+07	1.05 Y	0.93	0.97	4.5%	
PCB-178 22'33'55'6'-HpCB	35.57	2.85E+07	1.03 Y	0.66	0.72	8.2%	
PCB-175 22'33'45'6'-HpCB	36.11	2.63E+07	1.04 Y	1.02	1.01	-1.1%	
PCB-187 22'34'55'6'-HpCB	36.34	2.83E+07	1.03 Y	1.03	1.09	6.1%	
PCB-182 22'344'56'-HpCB	36.51	2.88E+07	1.04 Y	1.10	1.11	1.3%	
PCB-183 22'344'5'6'-HpCB	36.86	2.74E+07	1.04 Y	1.12	1.05	-6.2%	
PCB-185 22'3455'6'-HpCB	36.94	2.72E+07	1.04 Y	0.97	1.05	8.4%	
PCB-174 22'33'456'-HpCB	37.07	2.43E+07	1.05 Y	0.90	0.93	4.4%	
PCB-177 22'33'45'6'-HpCB	37.44	2.39E+07	1.04 Y	0.87	0.92	5.5%	
PCB-181 22'344'56'-HpCB	37.77	2.67E+07	1.04 Y	1.03	1.03	-0.6%	
PCB-171/173 ...-HpCB	37.96	4.73E+07	1.05 Y	0.89	0.91	2.9%	
PCB-172 22'33'455'-HpCB	39.33	2.31E+07	1.04 Y	0.87	0.89	1.9%	
PCB-192 233'455'6'-HpCB	39.56	2.93E+07	1.05 Y	1.16	1.13	-2.8%	
PCB-180/193 ...-HpCB	39.85	5.58E+07	1.05 Y	1.07	1.08	0.5%	
PCB-191 233'44'5'6'-HpCB	40.18	3.02E+07	1.05 Y	1.18	1.16	-1.7%	
PCB-170 22'33'44'5'-HpCB	40.96	2.12E+07	1.04 Y	0.99	0.96	-3.4%	
PCB-190 233'44'56'-HpCB	41.40	2.79E+07	1.04 Y	1.36	1.27	-6.5%	
PCB-202 22'33'55'66'-OcCB	37.54	3.03E+07	0.88 Y	0.86	-	-	
PCB-201 22'33'45'66'-OcCB	38.32	3.37E+07	0.89 Y	0.95	0.95	0.0%	
PCB-204 22'344'566'-OcCB	38.89	3.17E+07	0.89 Y	0.90	0.89	-1.2%	
PCB-197 22'33'44'66'-OcCB	39.08	3.29E+07	0.89 Y	0.96	0.93	-3.5%	
PCB-200 22'33'4566'-OcCB	39.18	3.26E+07	0.88 Y	0.88	0.92	4.1%	
PCB-198/199 ...-OcCB	41.52	4.55E+07	0.89 Y	0.63	0.64	1.7%	
PCB-196 22'33'44'56'-OcCB	42.09	2.33E+07	0.90 Y	0.66	0.66	-0.7%	
PCB-203 22'344'55'6'-OcCB	42.26	2.42E+07	0.90 Y	0.69	0.68	-1.9%	
PCB-195 22'33'44'56'-OcCB	43.39	1.76E+07	0.90 Y	0.82	0.89	7.8%	
PCB-194 22'33'44'55'-OcCB	45.35	1.82E+07	0.90 Y	0.90	0.92	2.0%	
PCB-205 233'44'55'6'-OcCB	45.75	2.16E+07	0.90 Y	1.13	-	-	
PCB-208 22'33'455'66'-NoCB	43.18	2.61E+07	0.77 Y	1.03	-	-	
PCB-207 22'33'44'566'-NoCB	43.97	2.65E+07	0.77 Y	1.07	1.00	-6.7%	
PCB-206 22'33'44'55'6'-NoCB	47.23	1.70E+07	0.78 Y	0.97	-	-	

SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

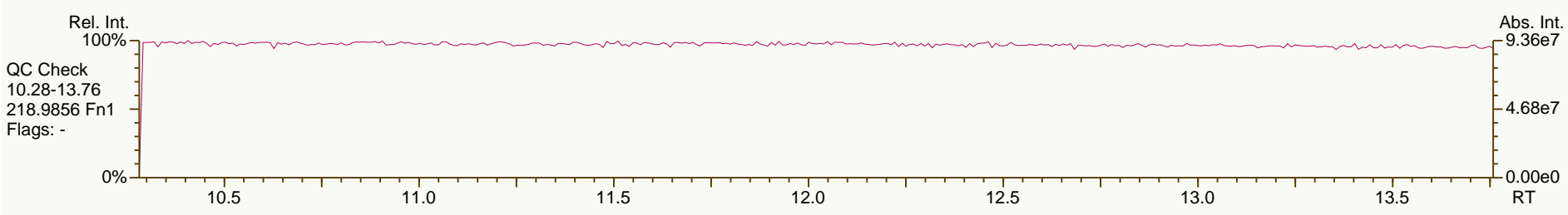
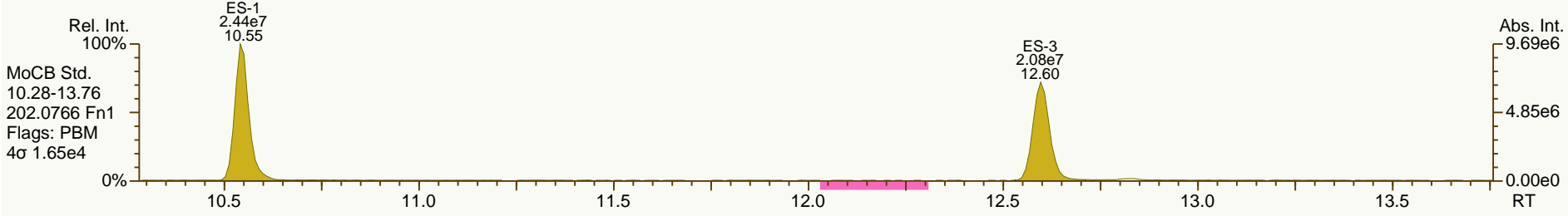
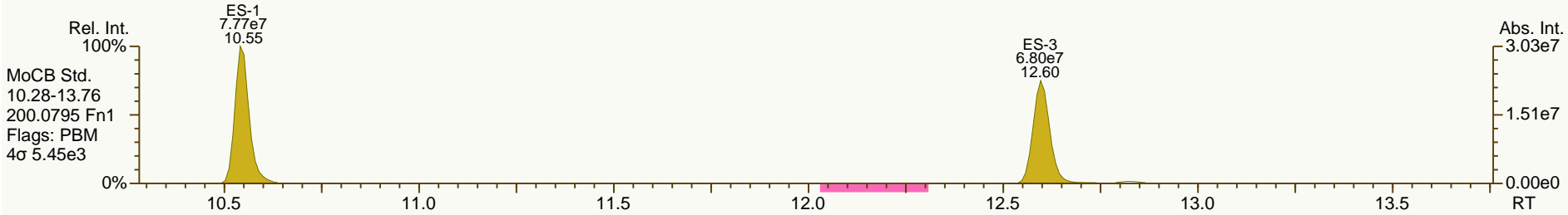
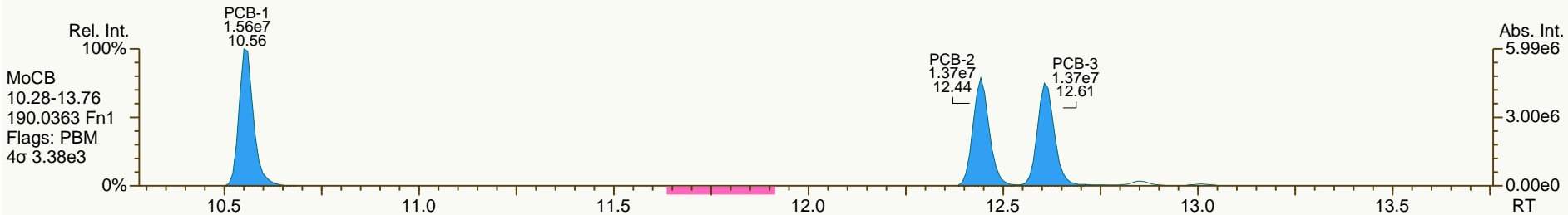
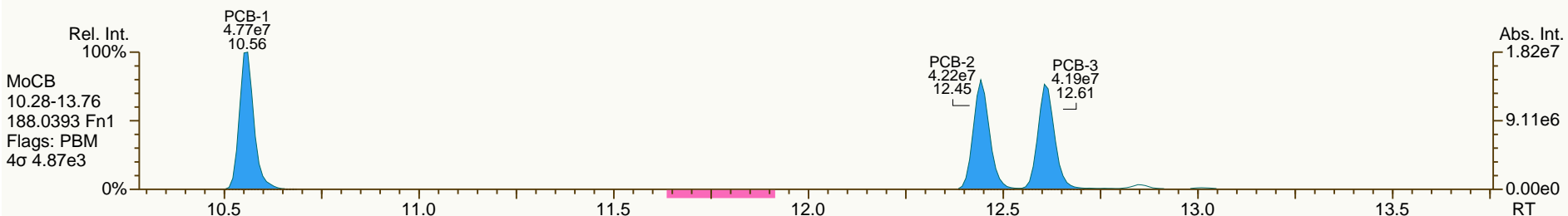
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

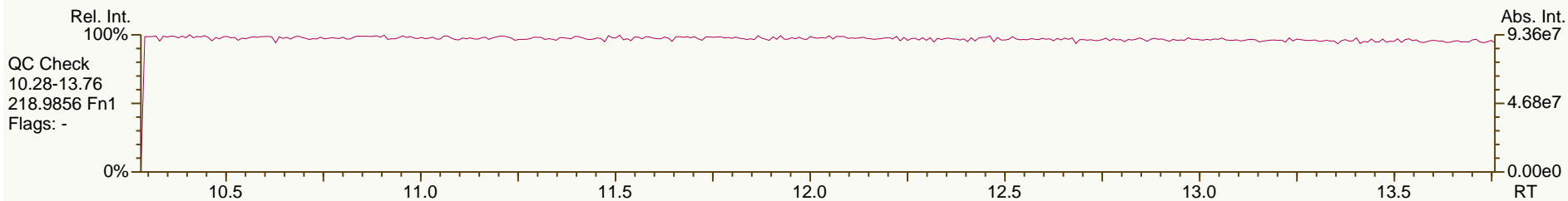
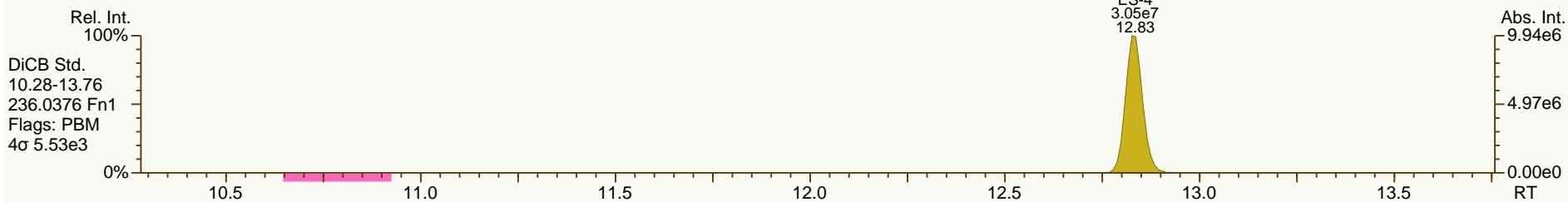
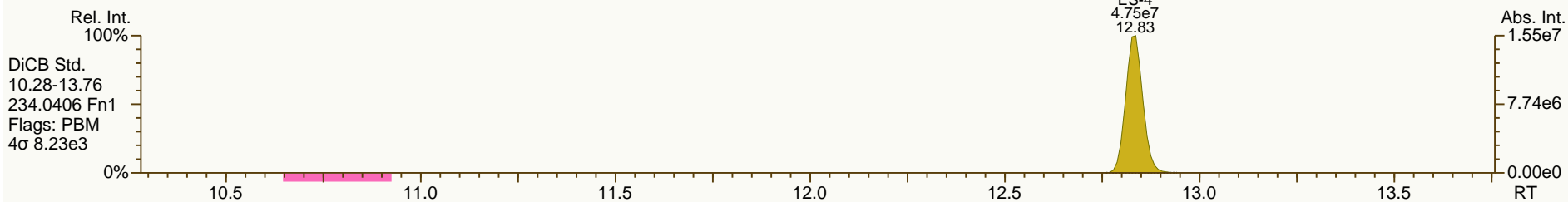
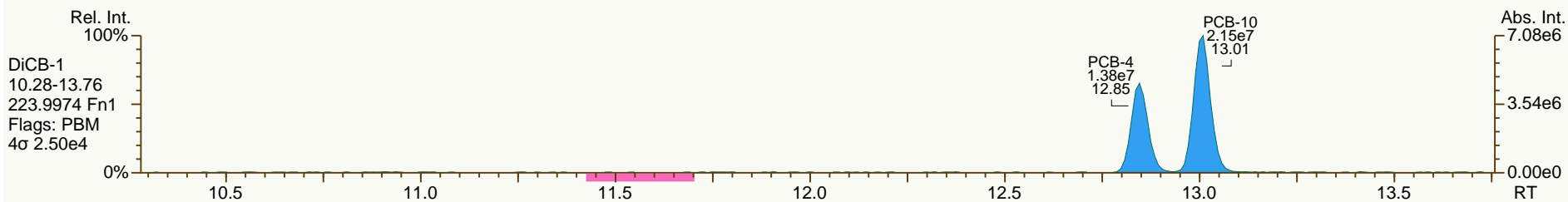
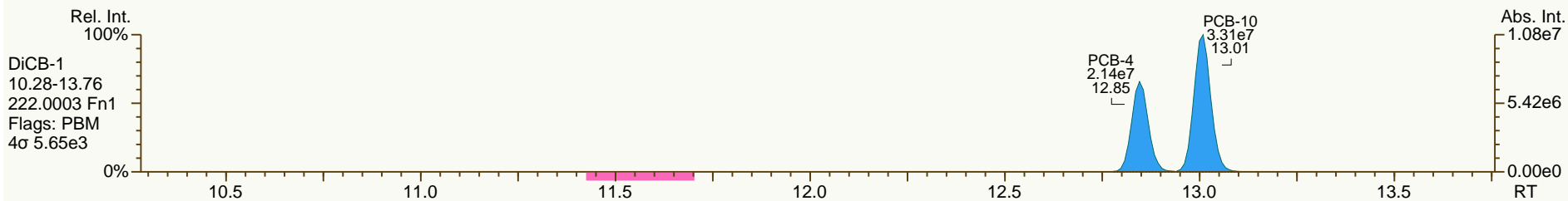
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

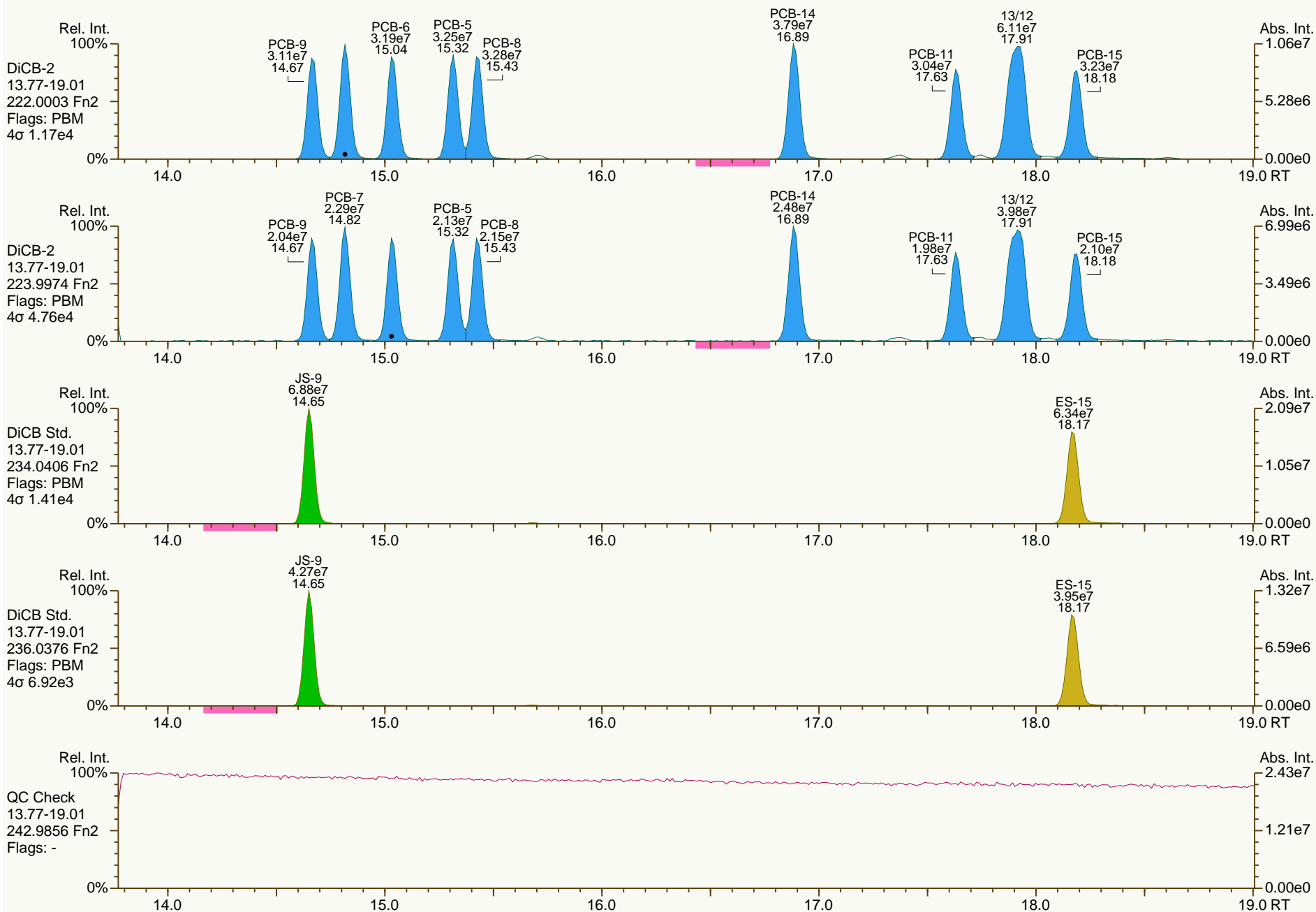
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

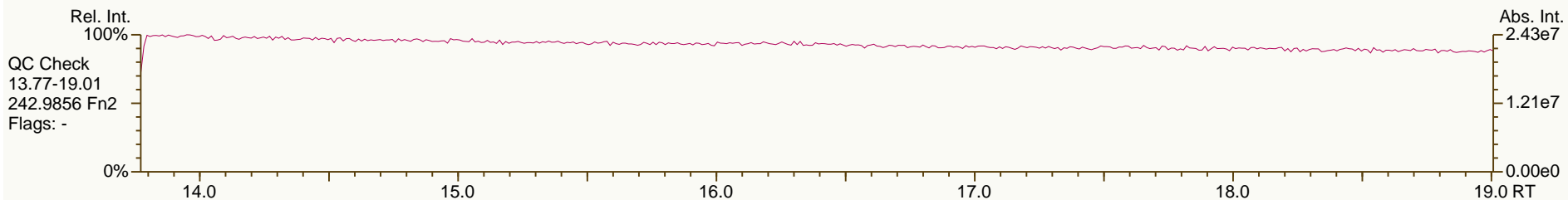
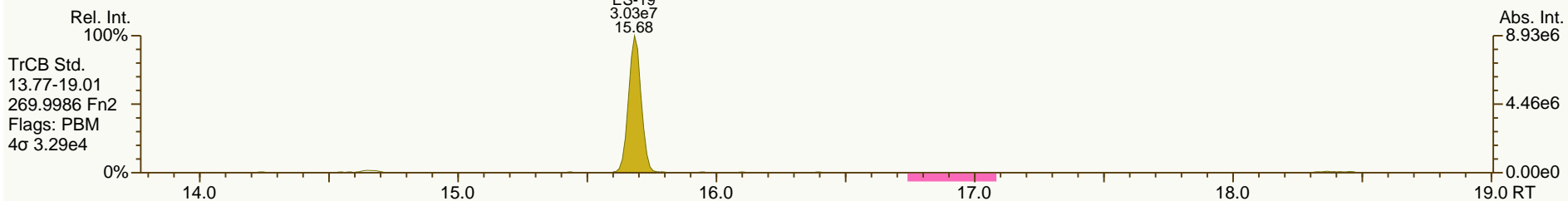
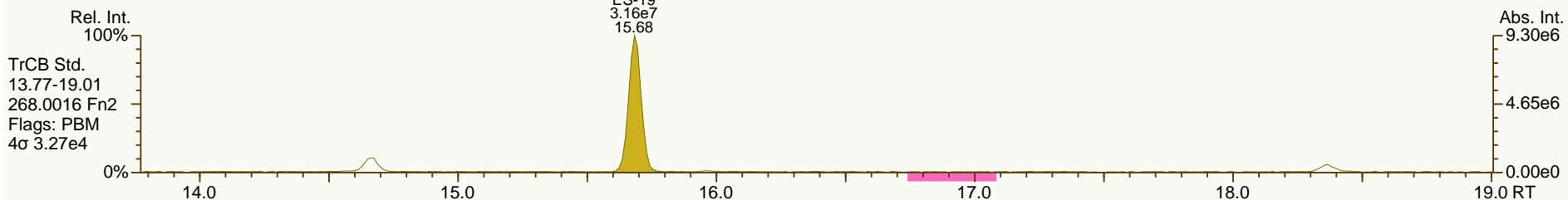
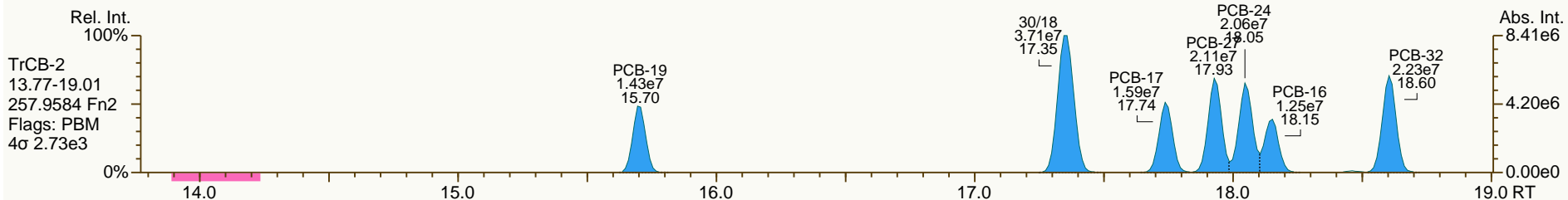
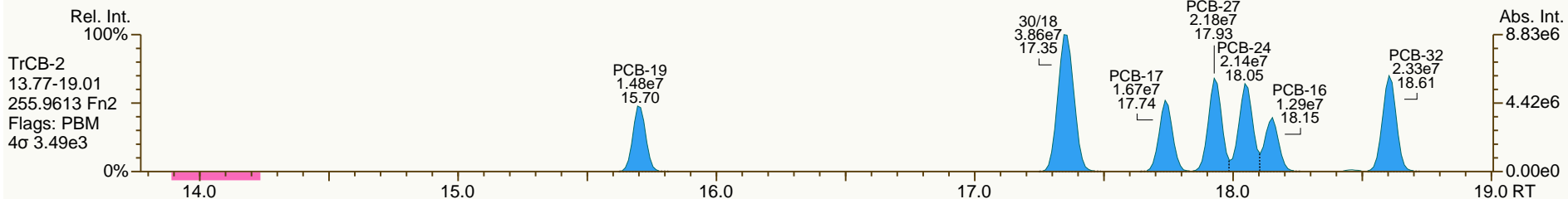
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

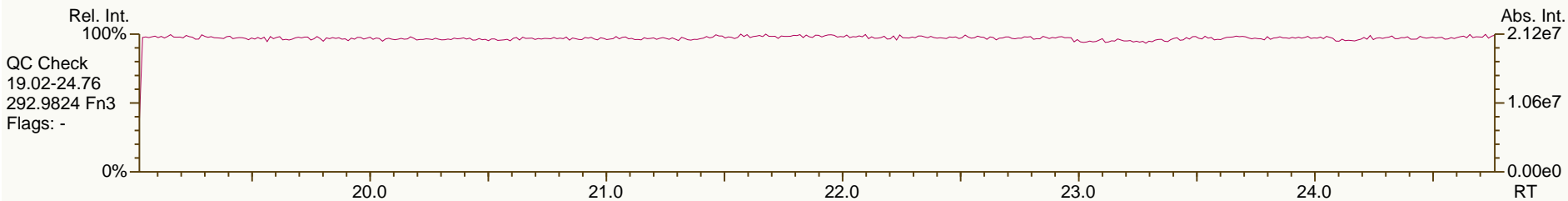
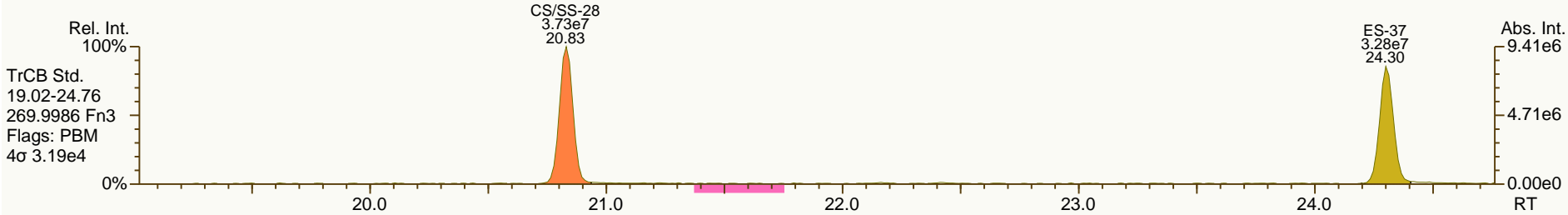
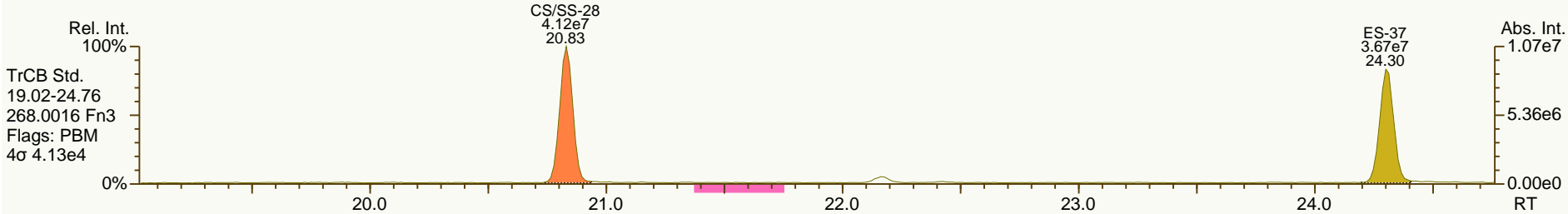
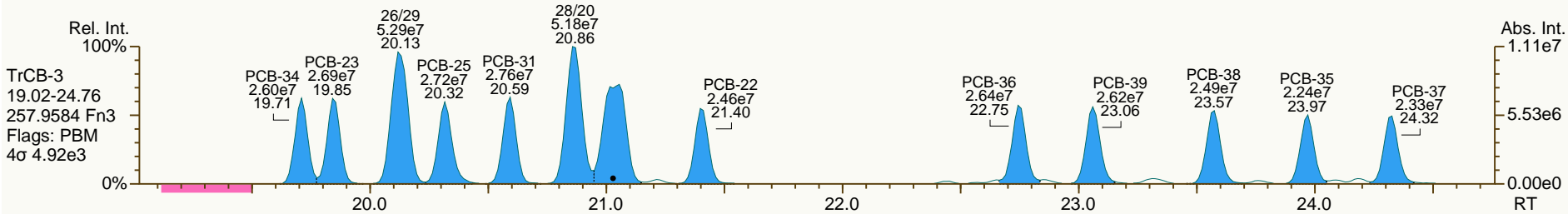
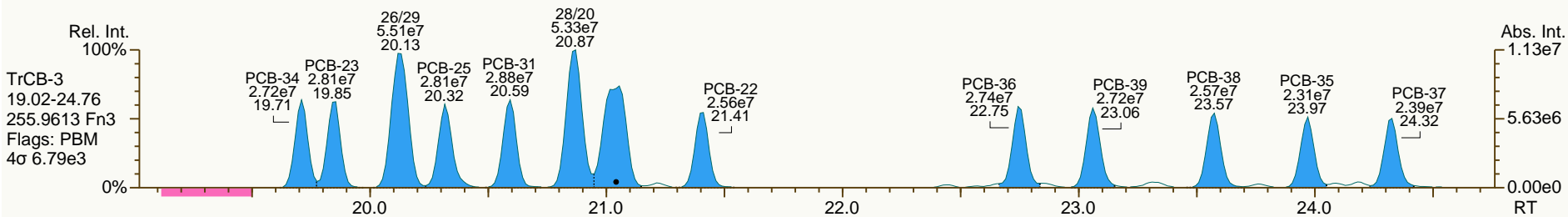
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

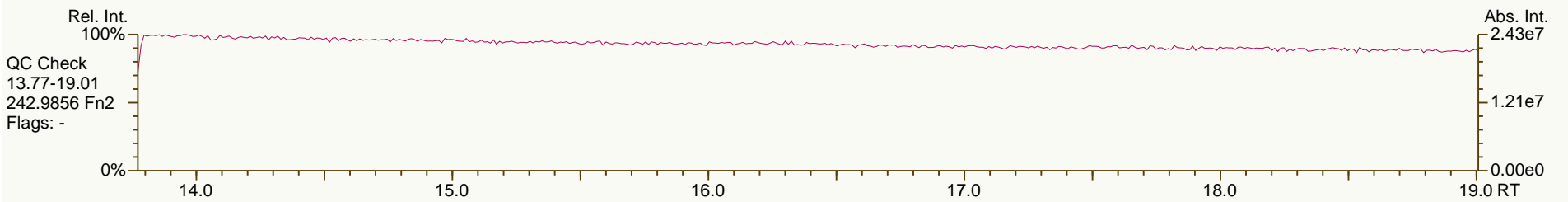
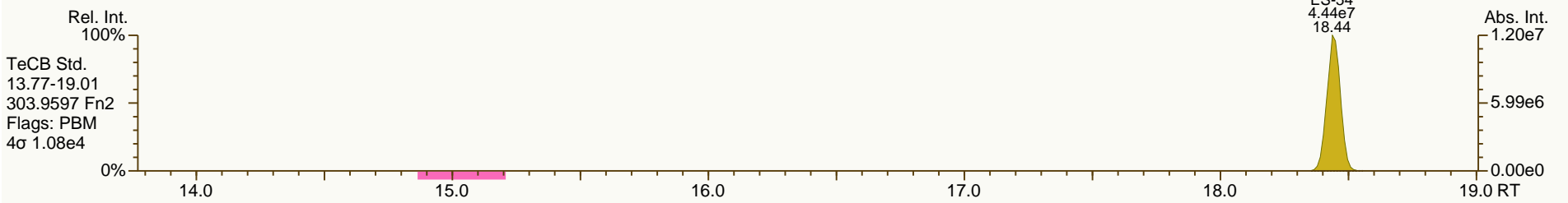
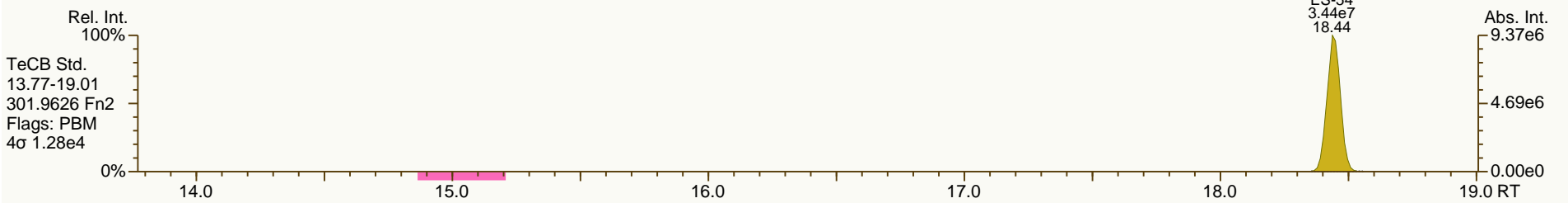
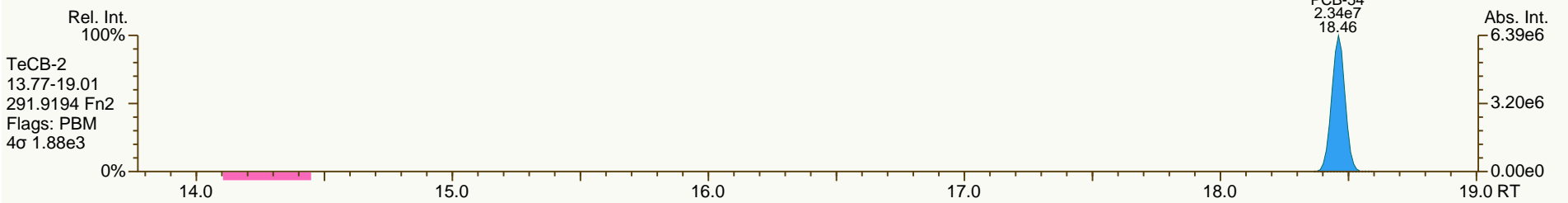
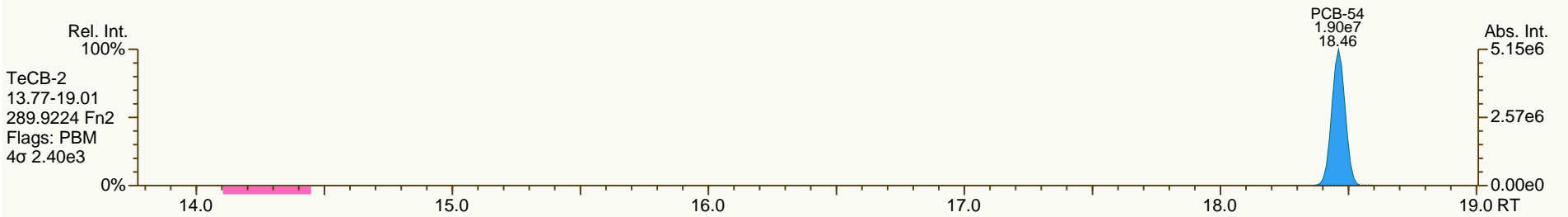
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

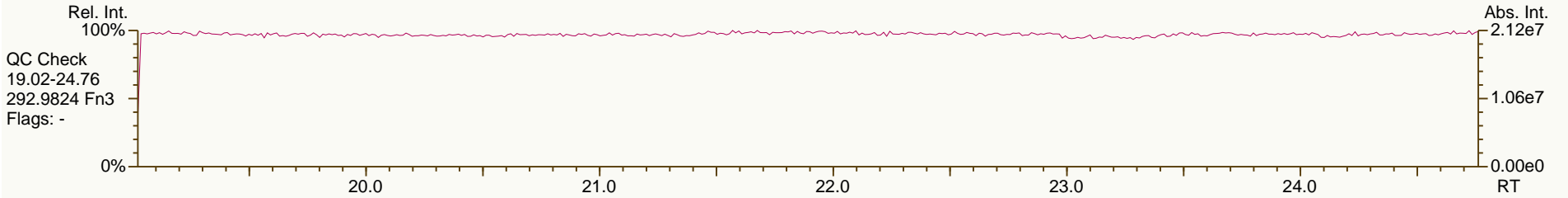
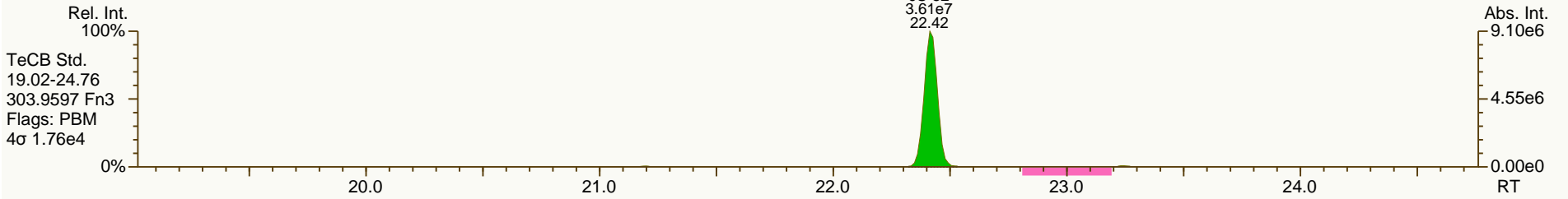
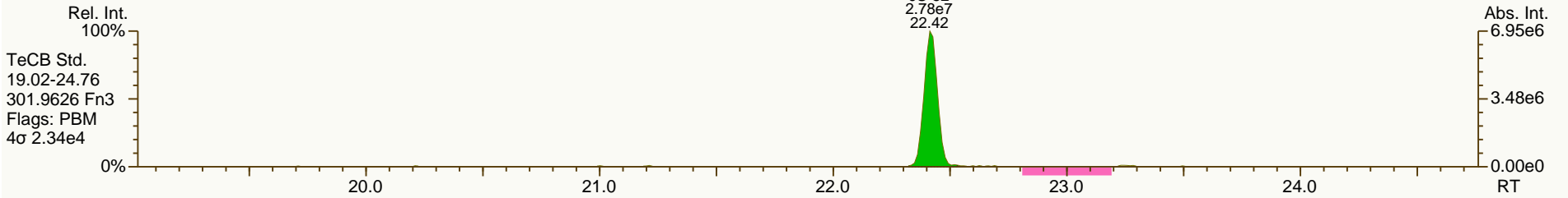
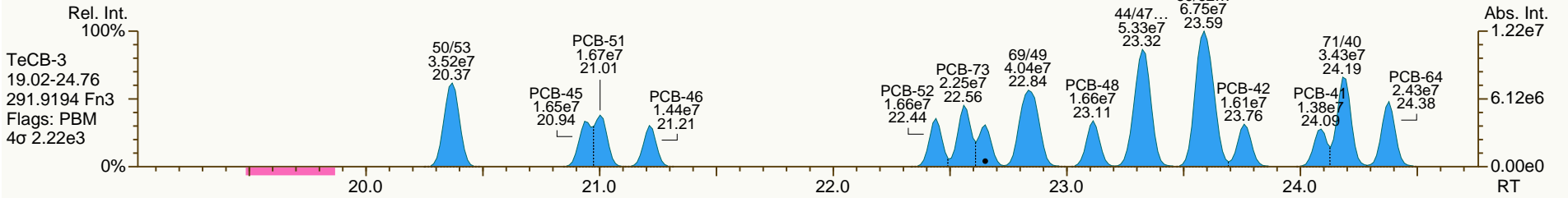
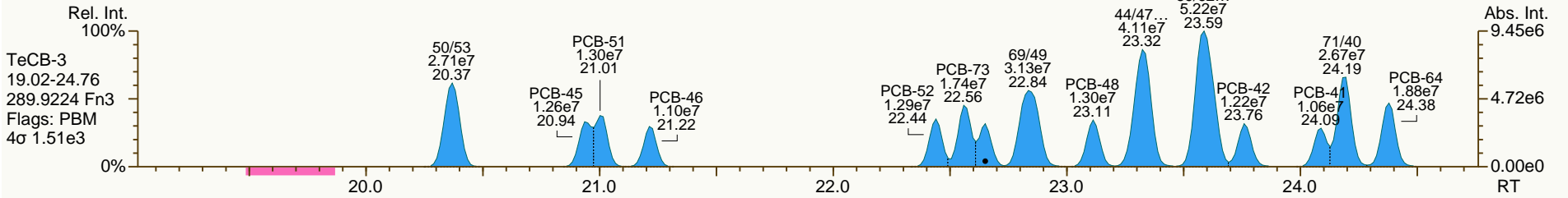
Acq: 19-Jul-2013 12:51:11
User: JLJ Datafile: 130719V07



SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

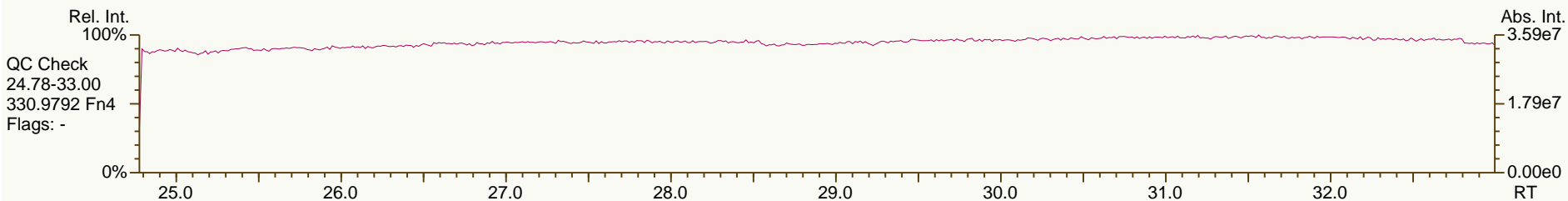
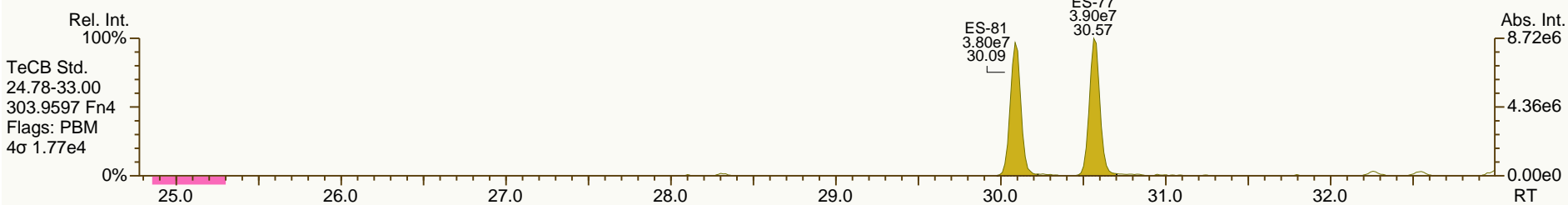
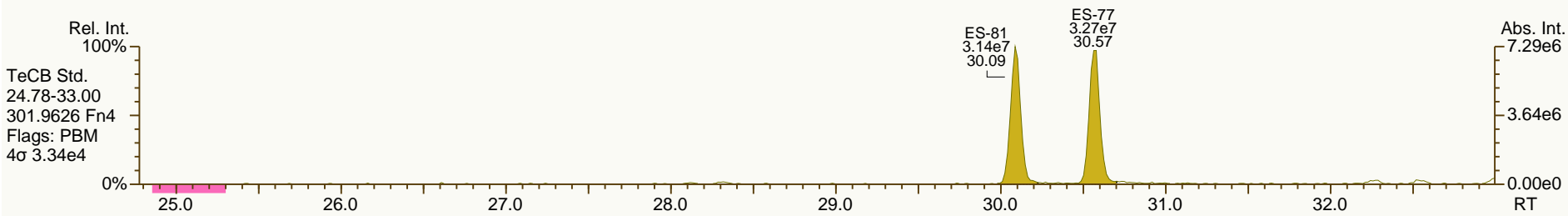
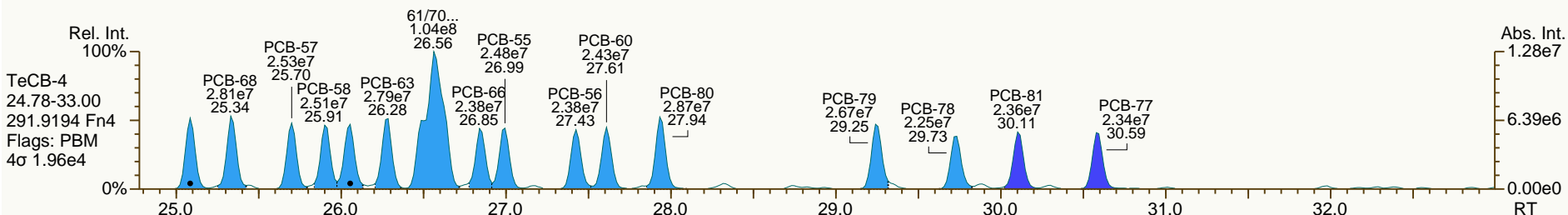
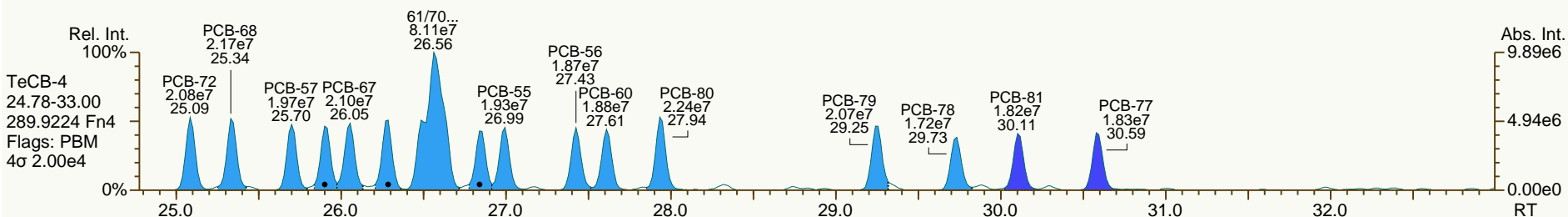
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

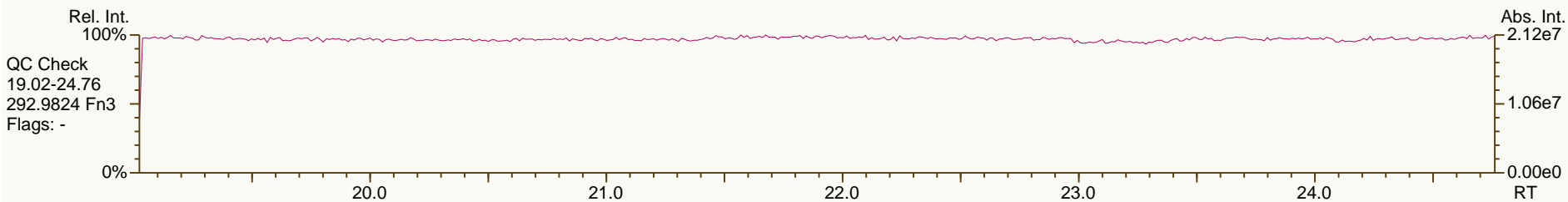
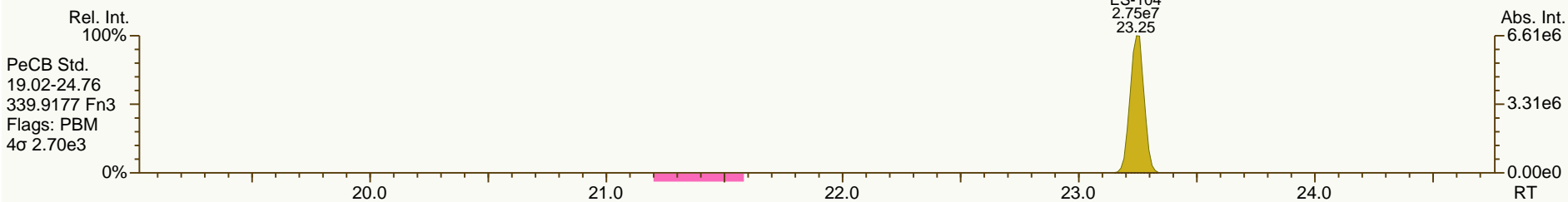
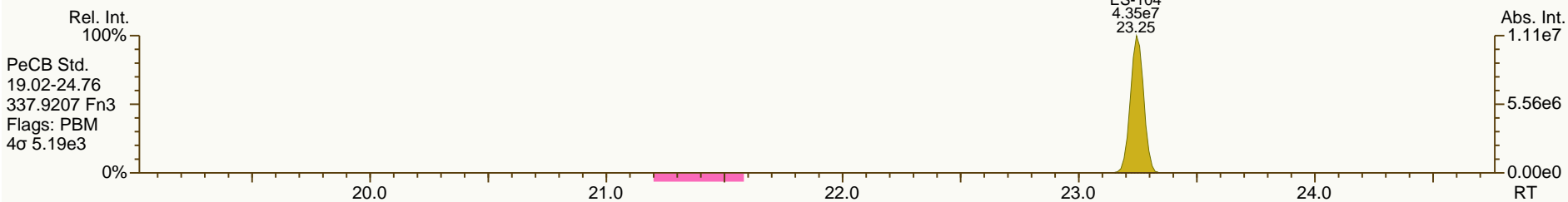
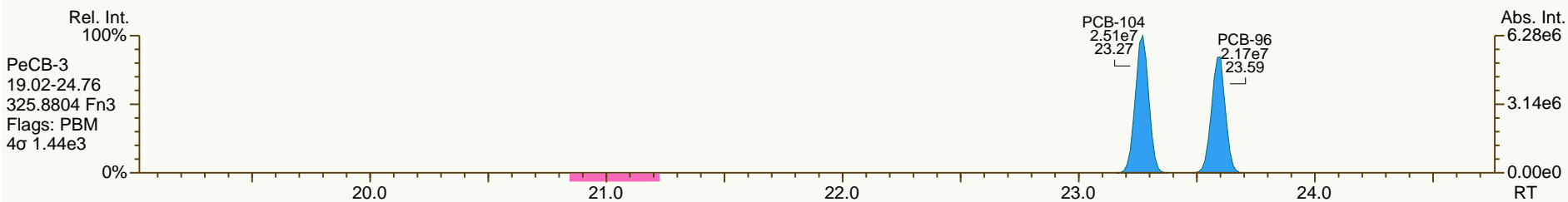
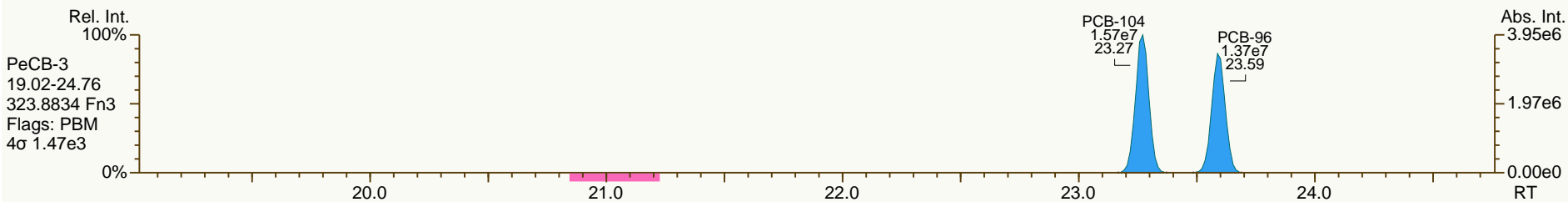
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

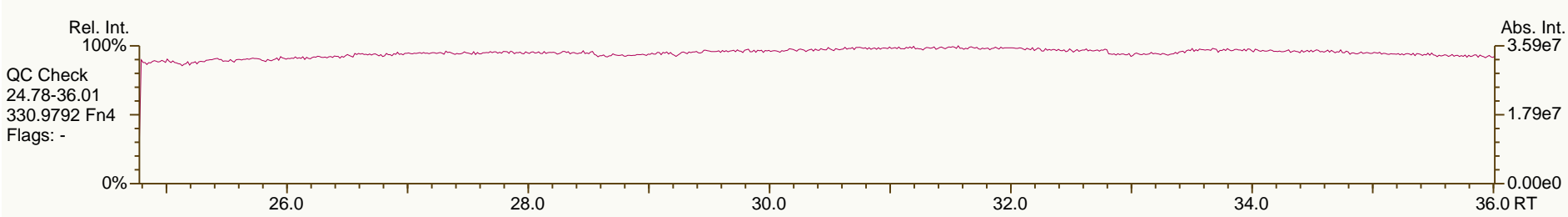
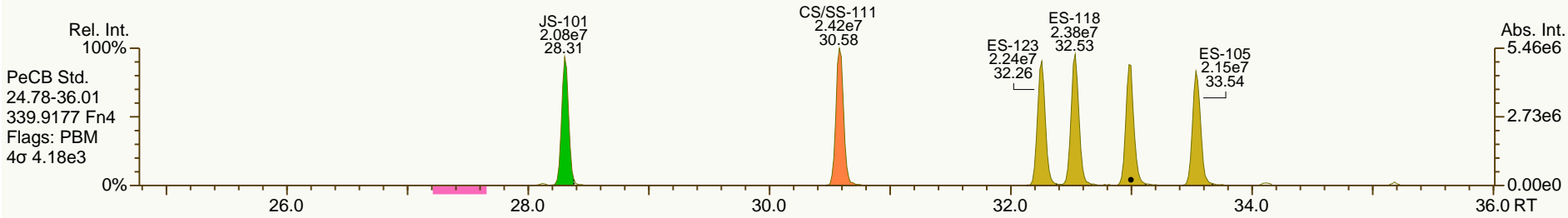
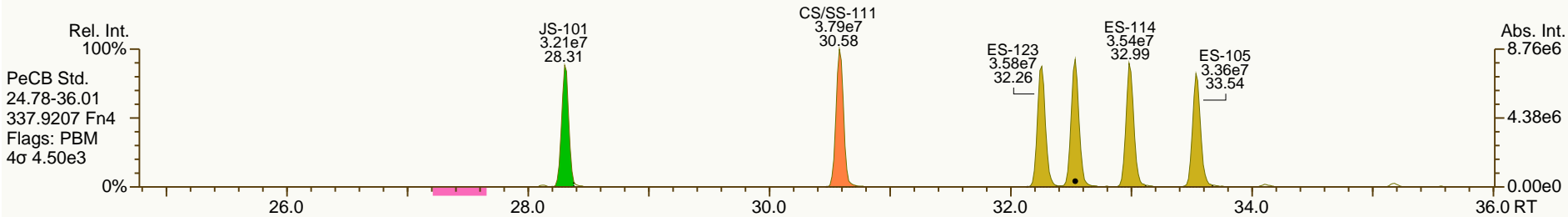
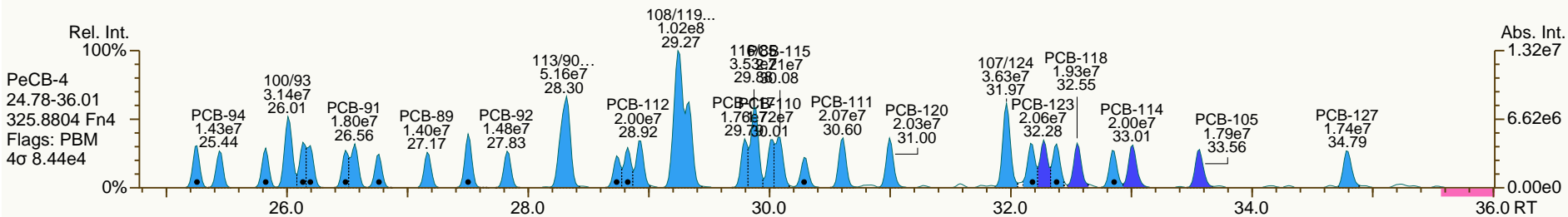
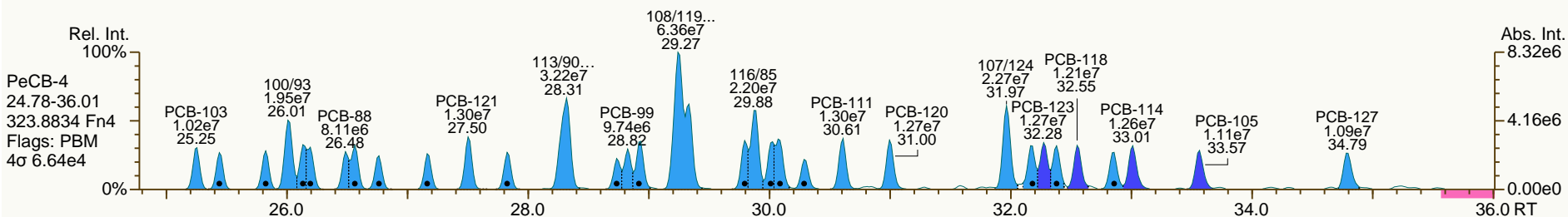
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

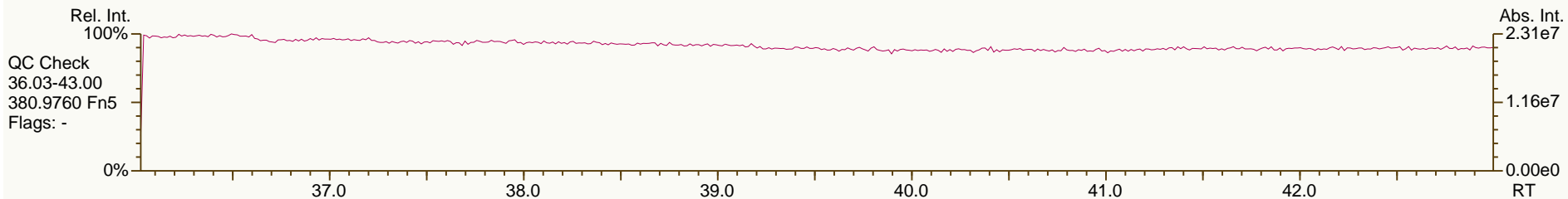
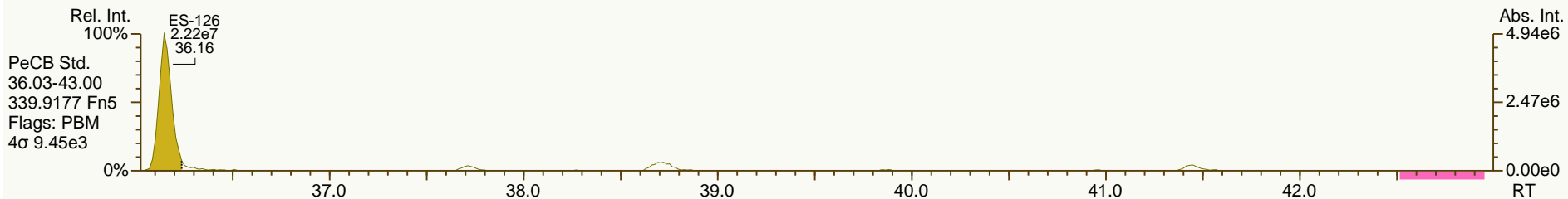
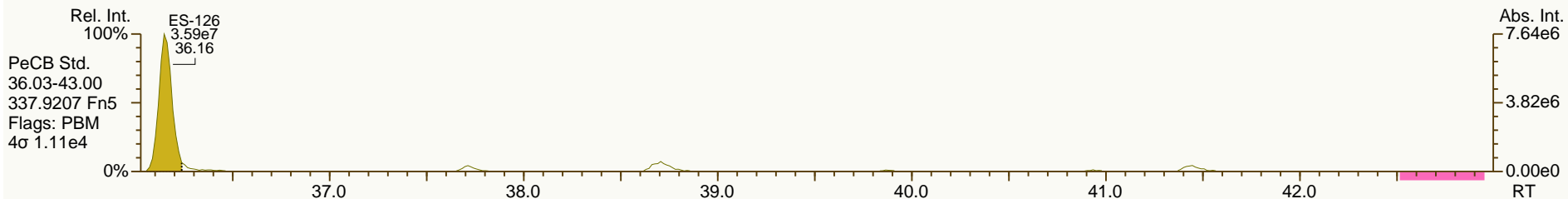
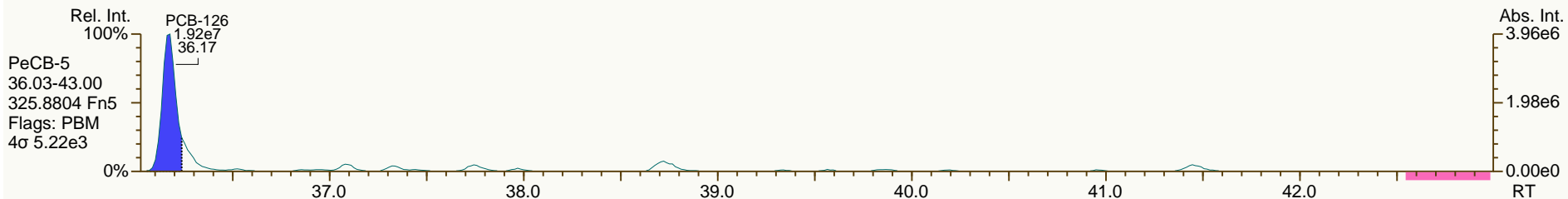
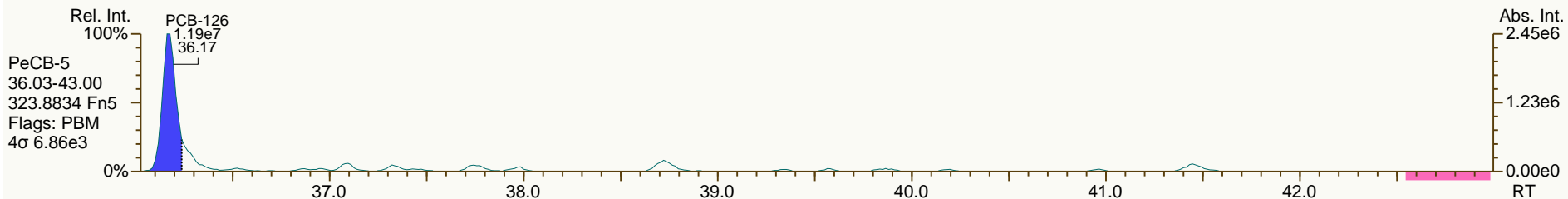
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User: JLJ Datafile: 130719V07



SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

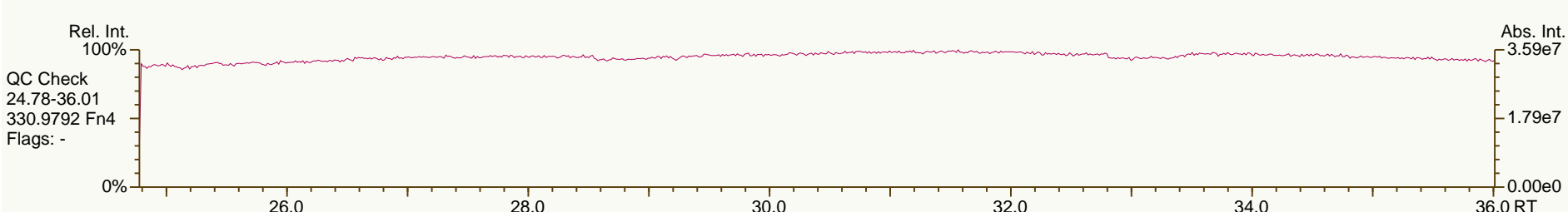
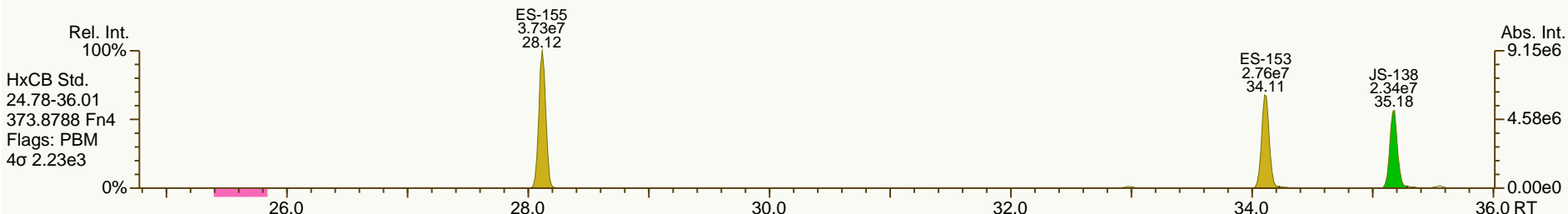
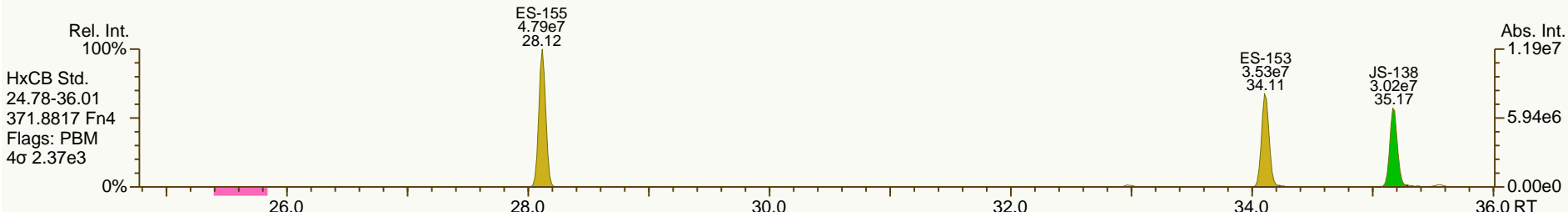
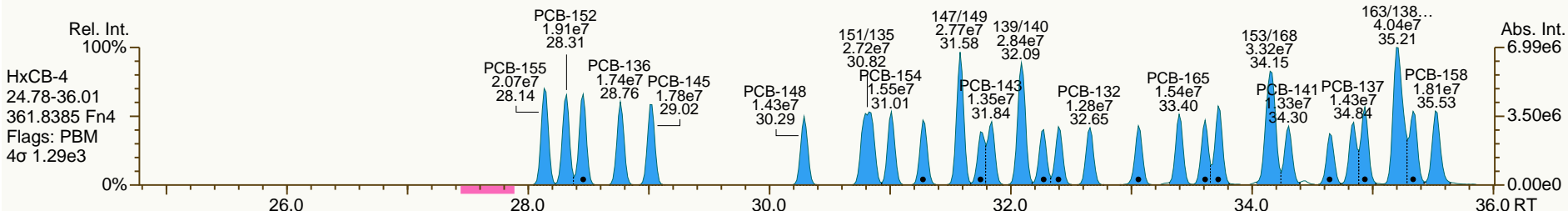
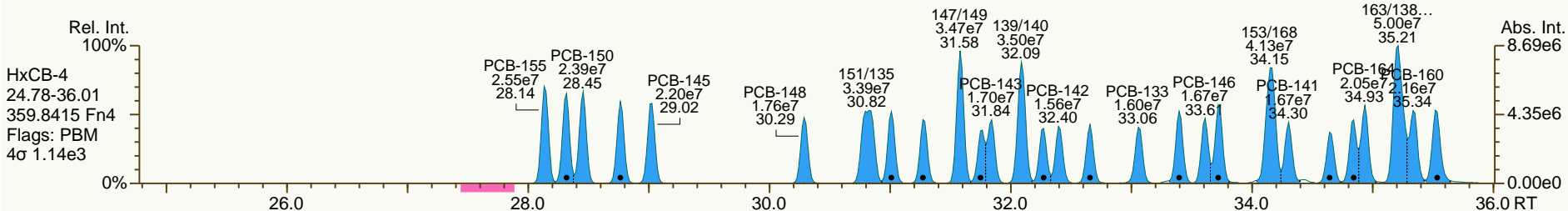
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

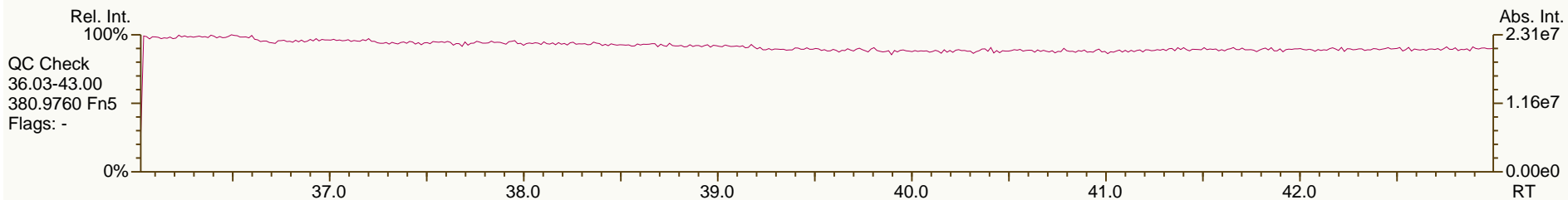
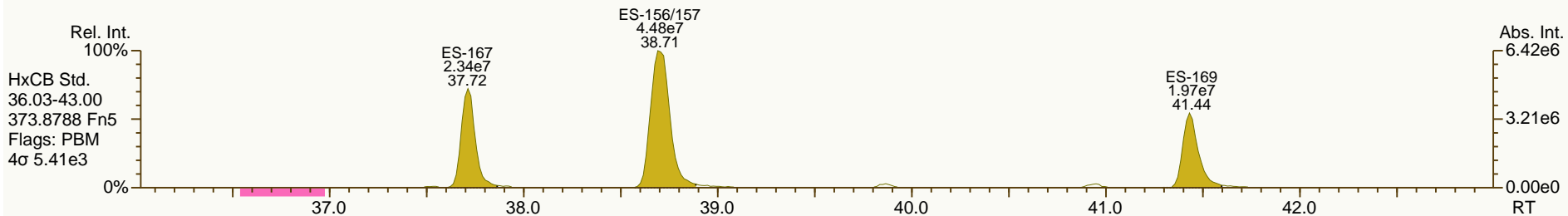
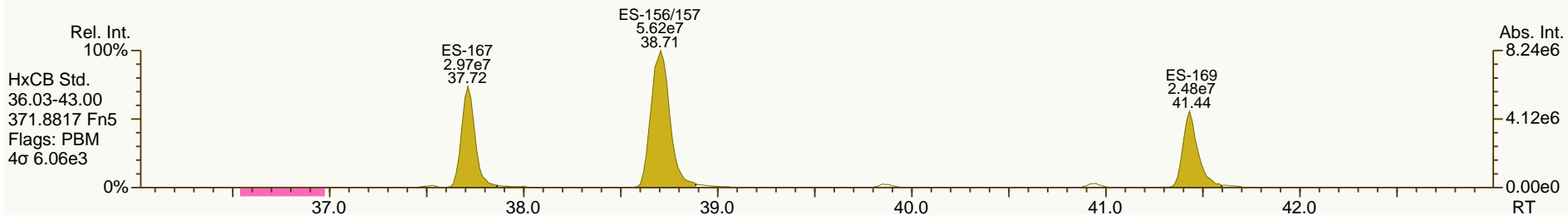
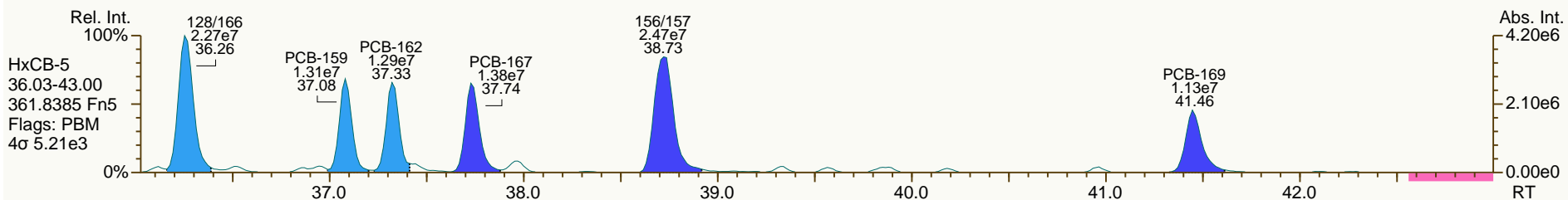
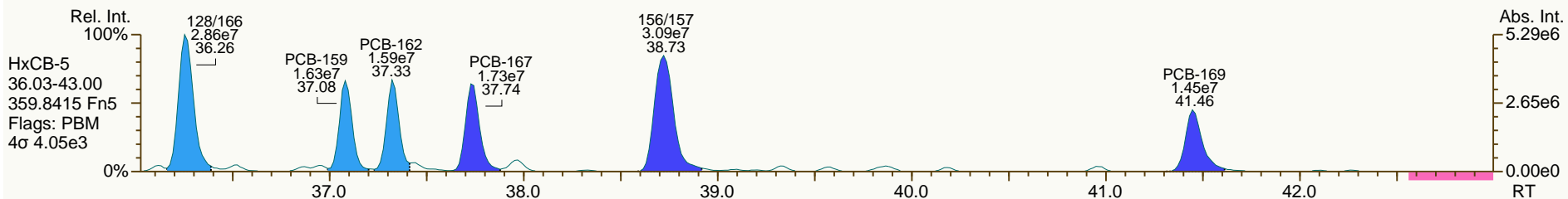
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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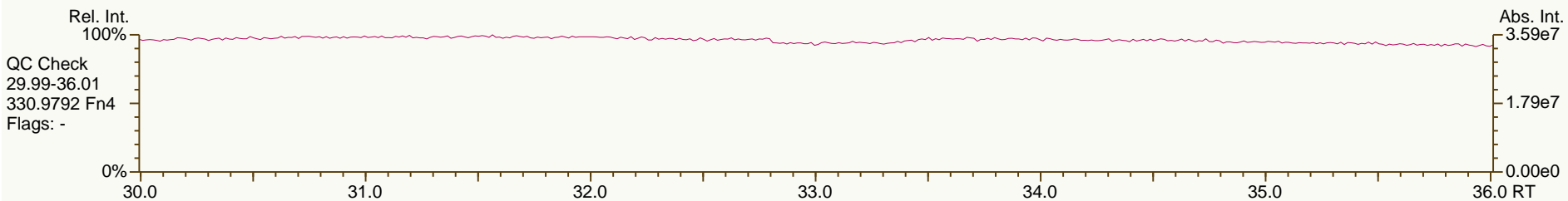
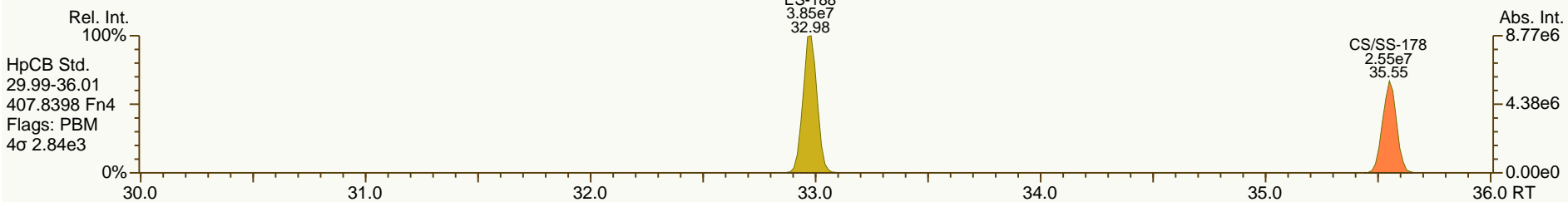
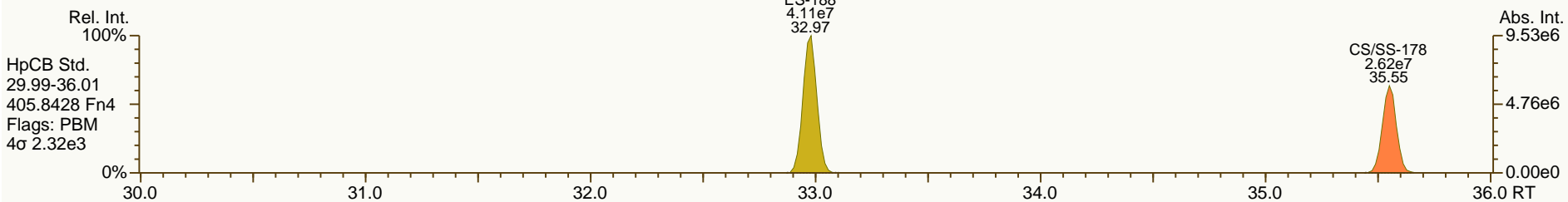
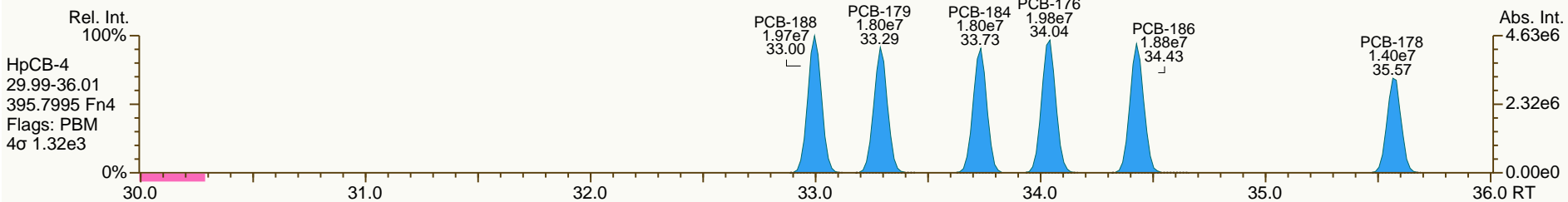
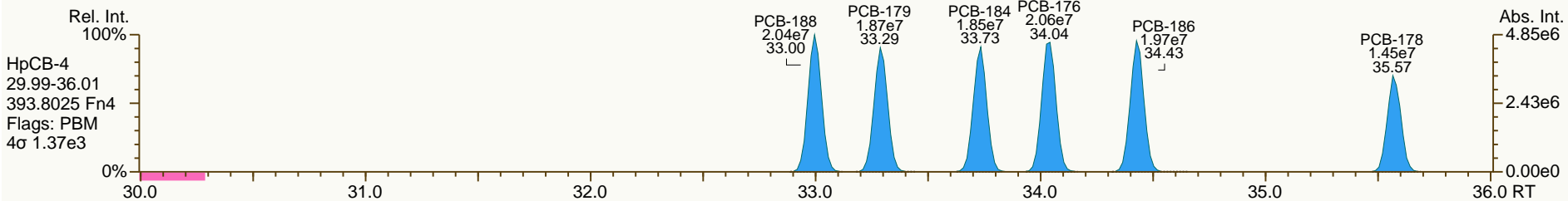
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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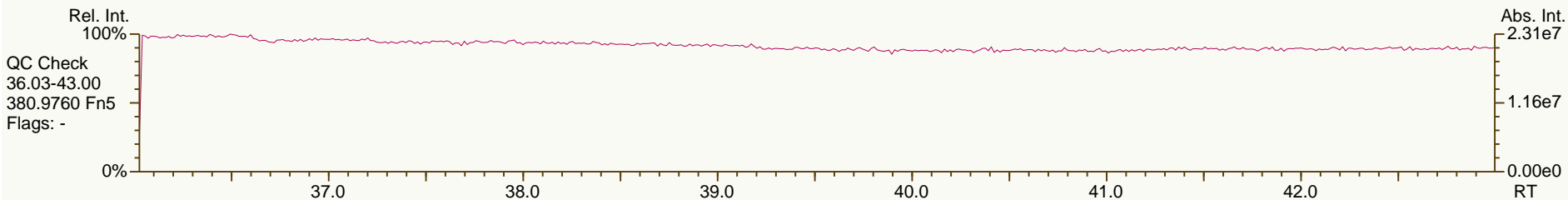
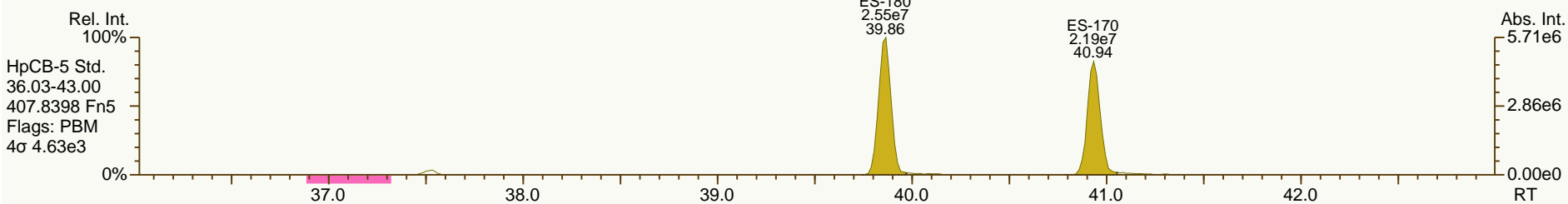
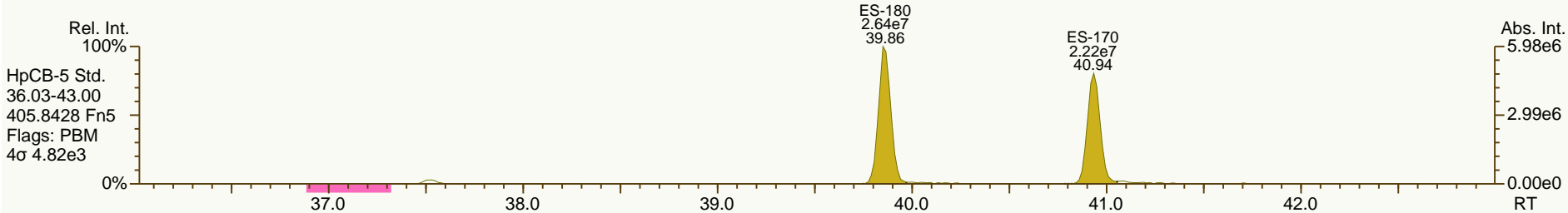
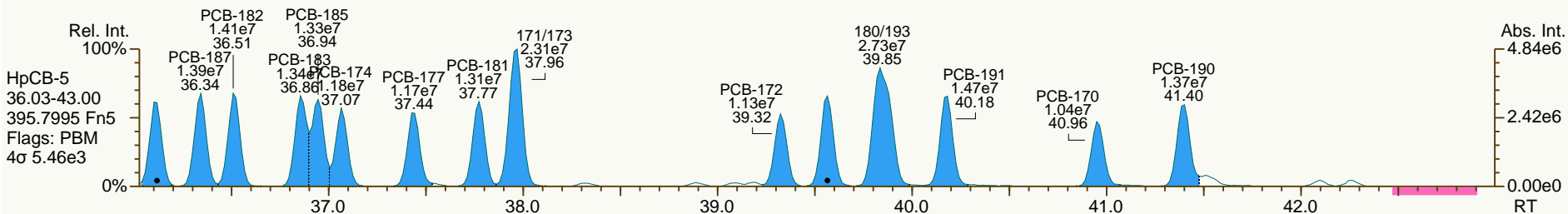
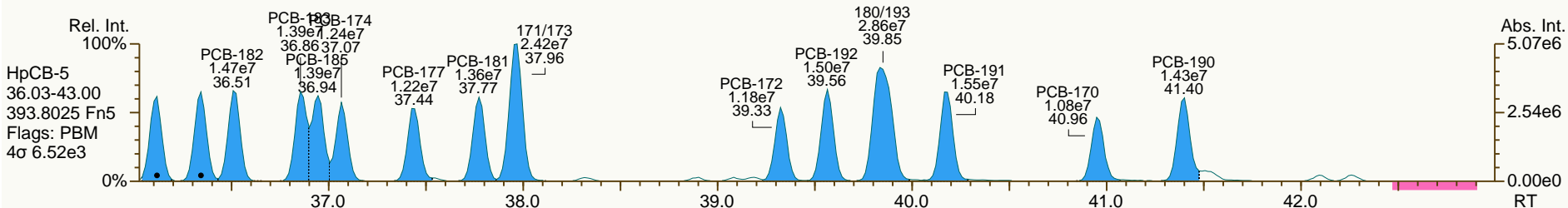
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

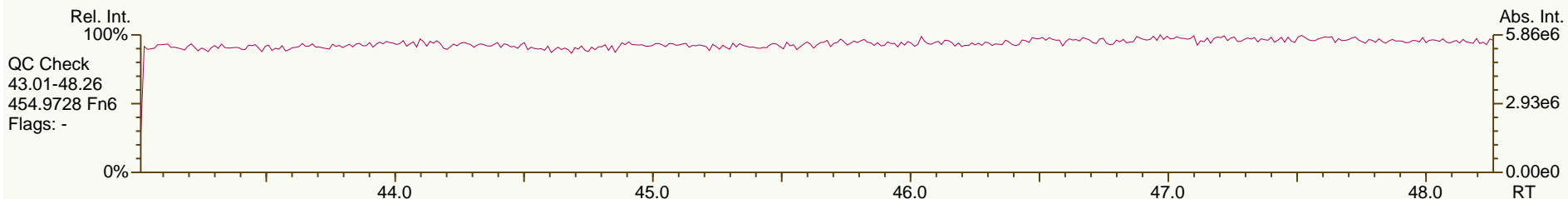
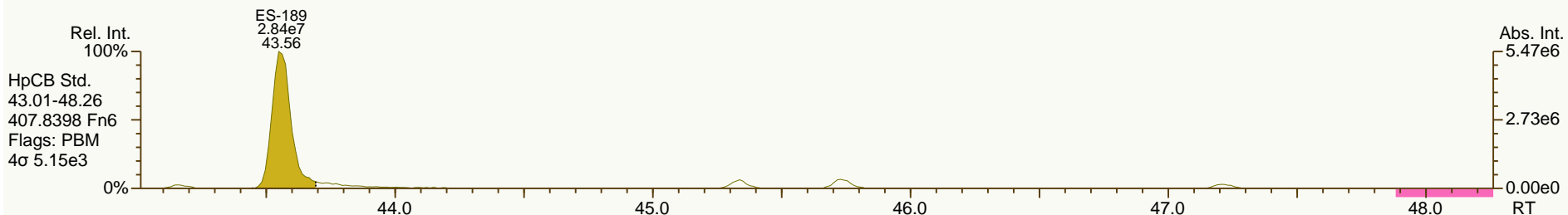
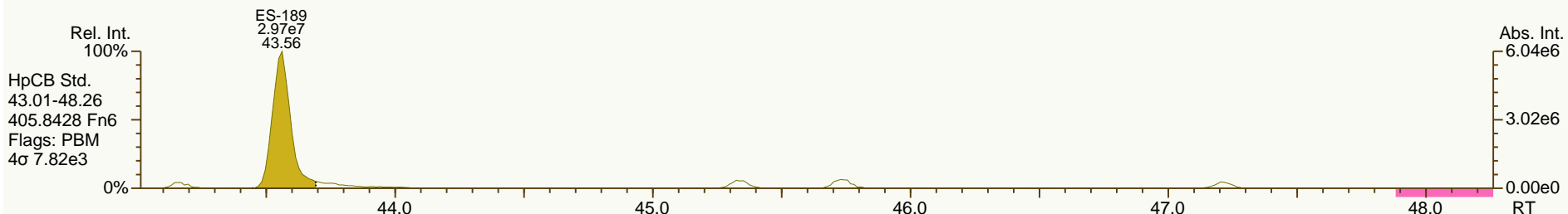
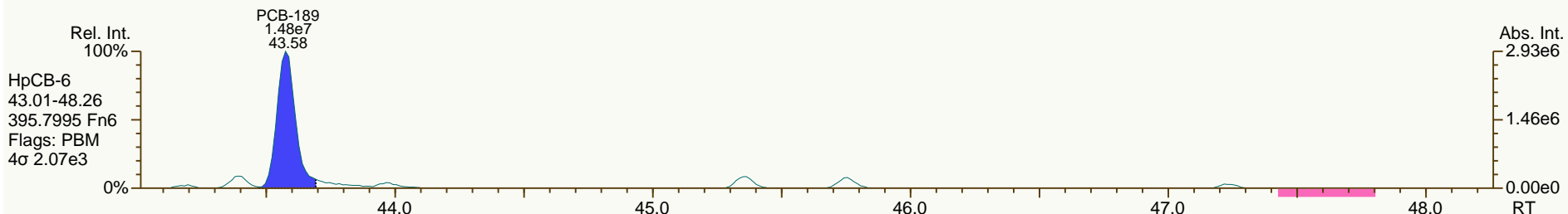
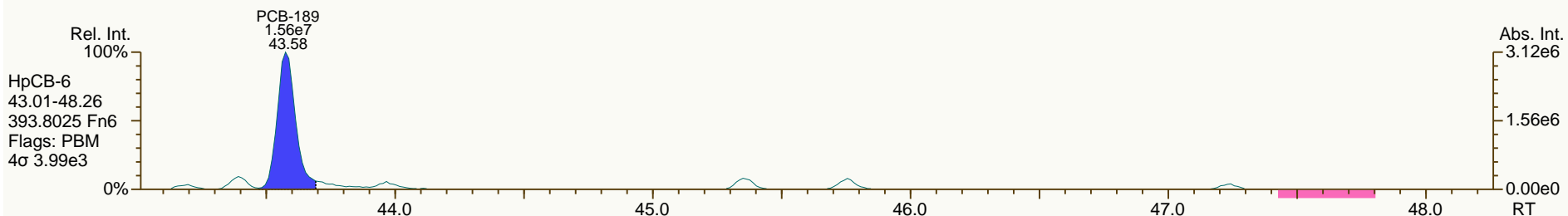
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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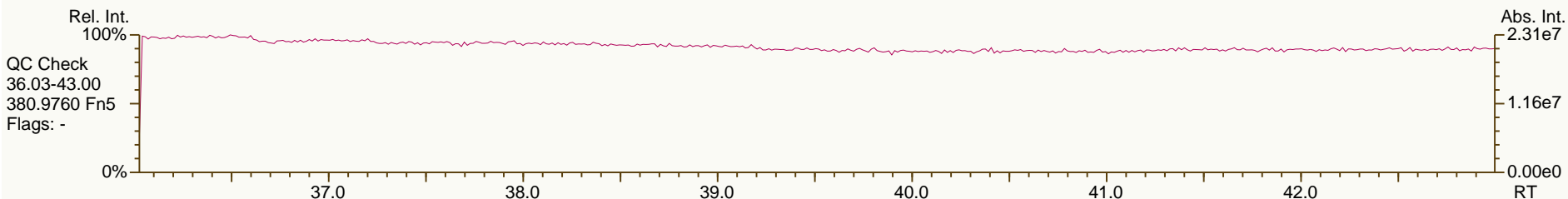
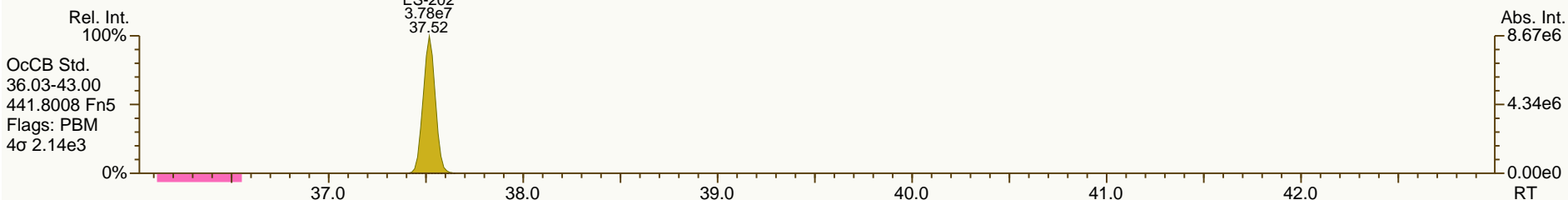
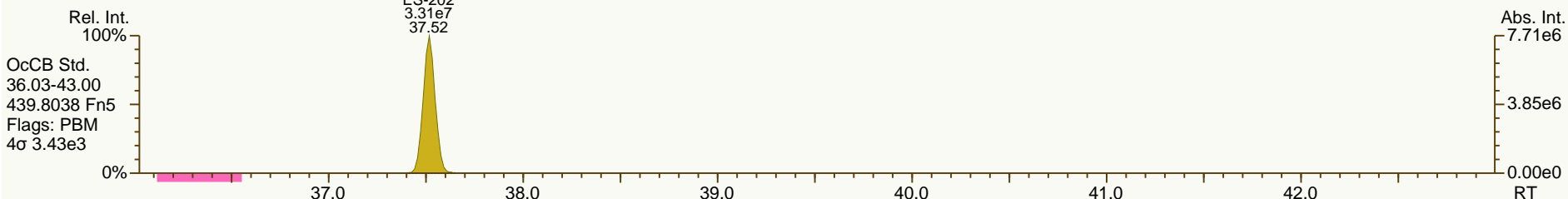
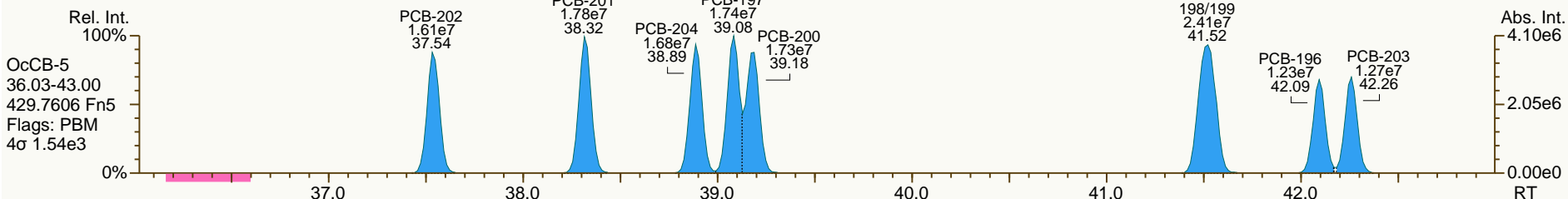
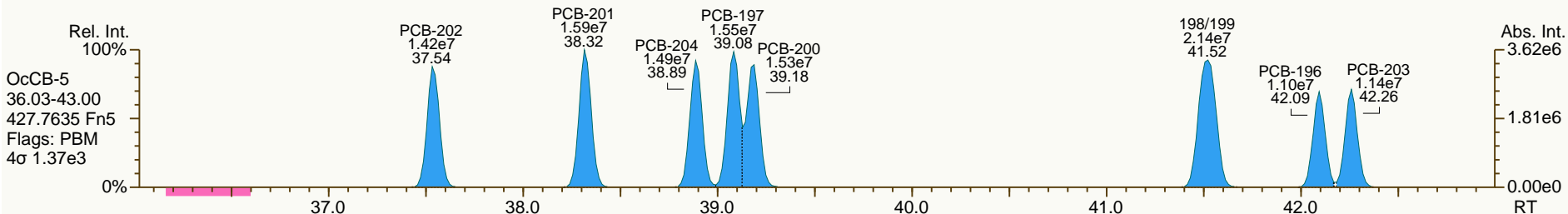
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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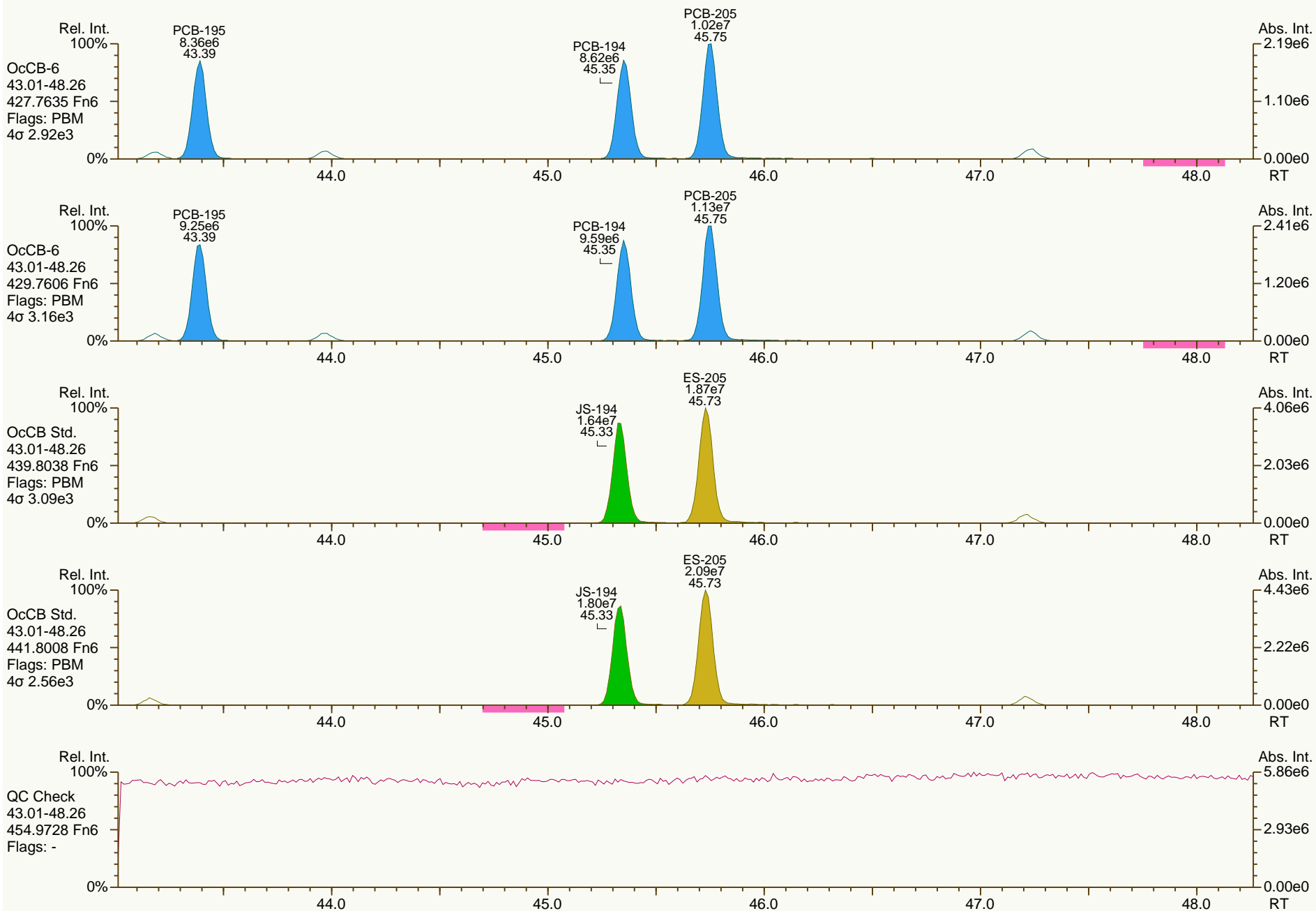
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SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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SGS-AP ID: CS3_130719_PCB_VB
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Sample ID: SIL 12-65-1
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SGS-AP ID: CS3_130719_PCB_VB
Instr: AutoSpec-Premier MM6

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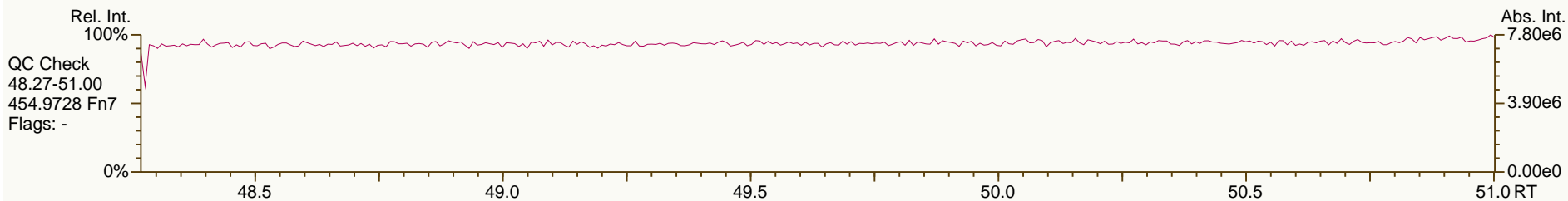
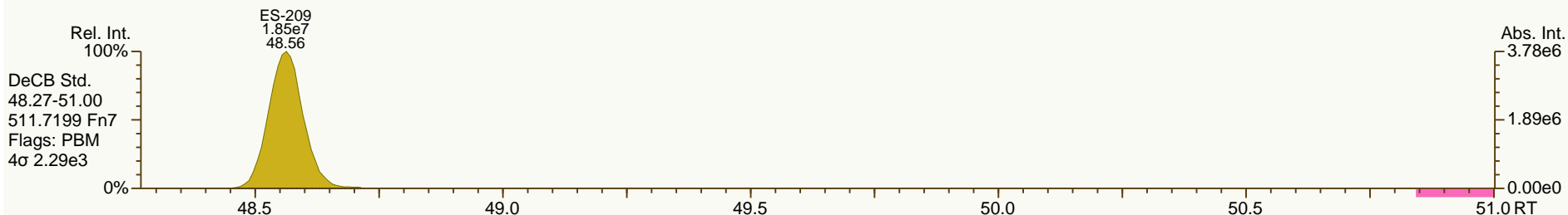
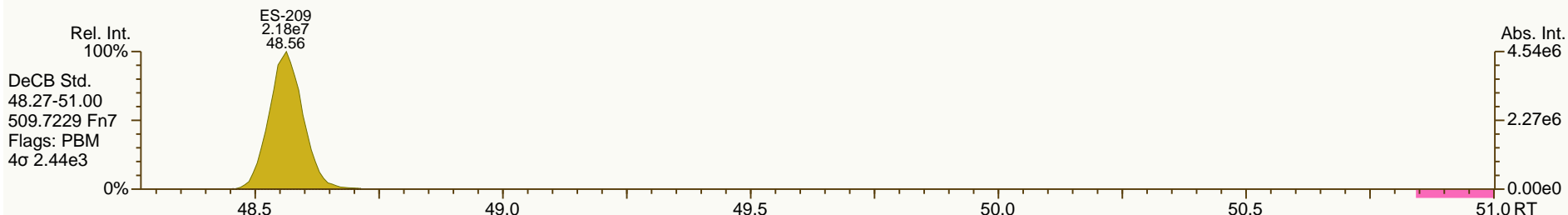
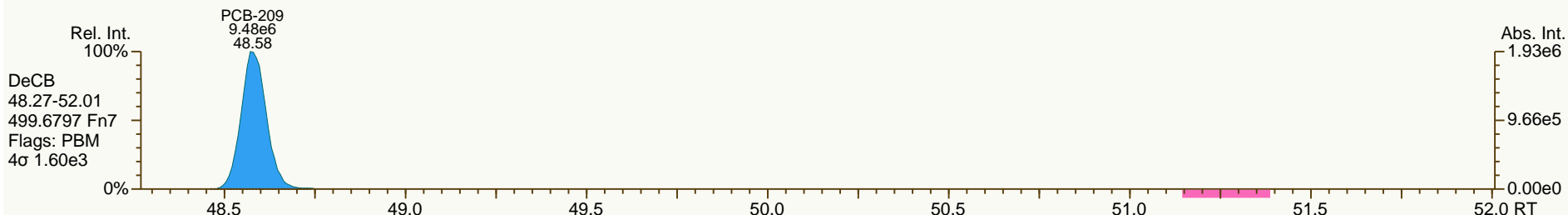
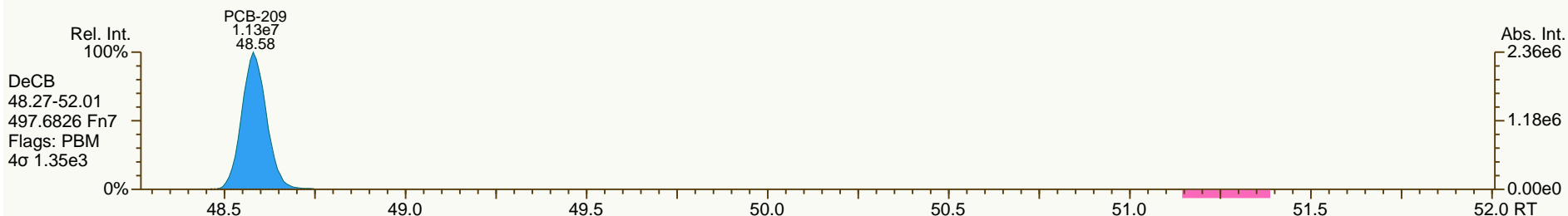
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User: JLJ Datafile: 130719V07



SGS-AP ID: CS3_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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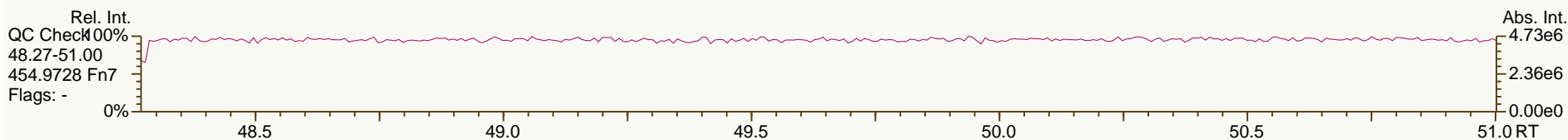
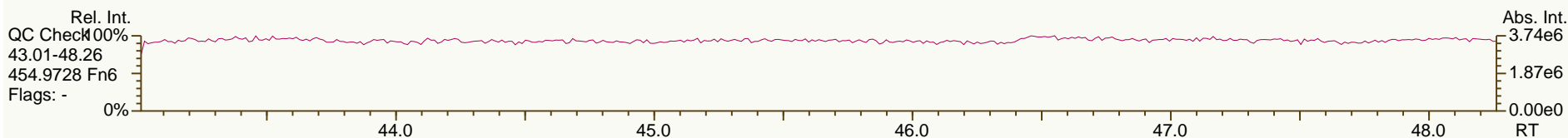
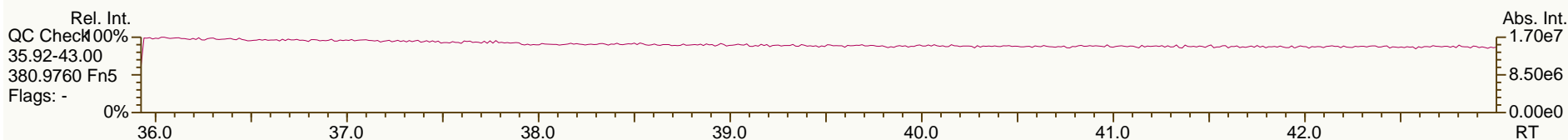
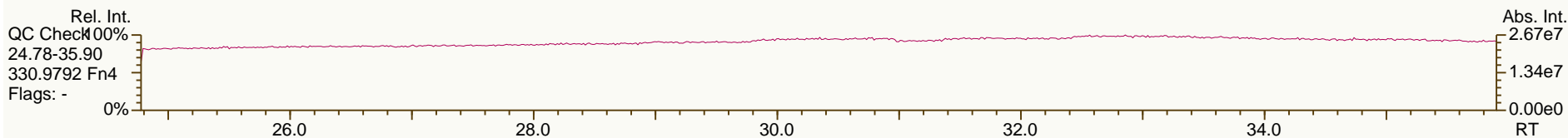
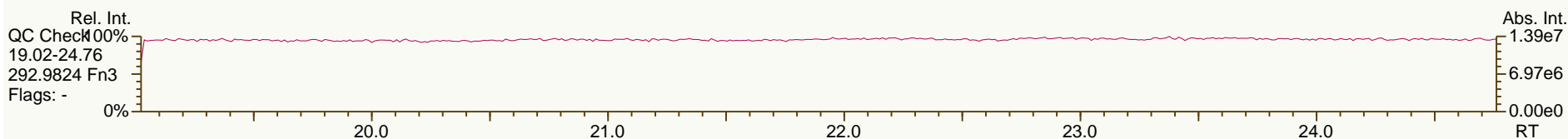
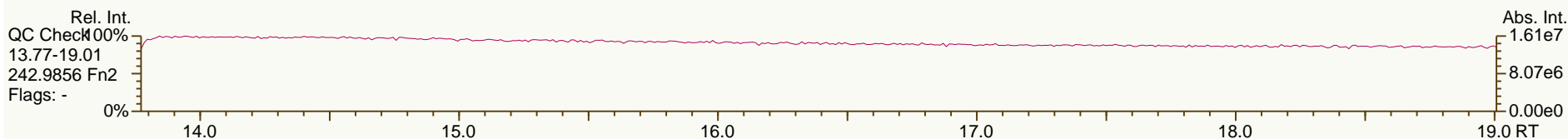
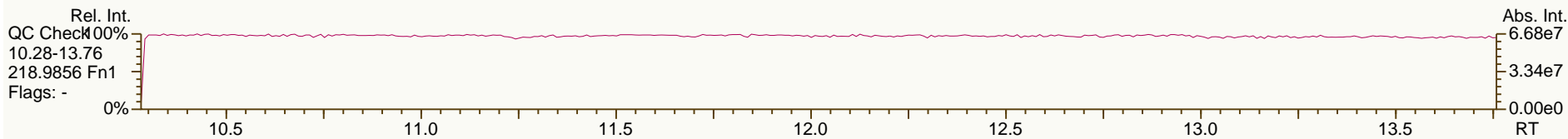
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SGS-AP ID: SBS_130719_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

Acq: 19-Jul-2013 14:38:36
User: JLJ Datafile: 130719V09



SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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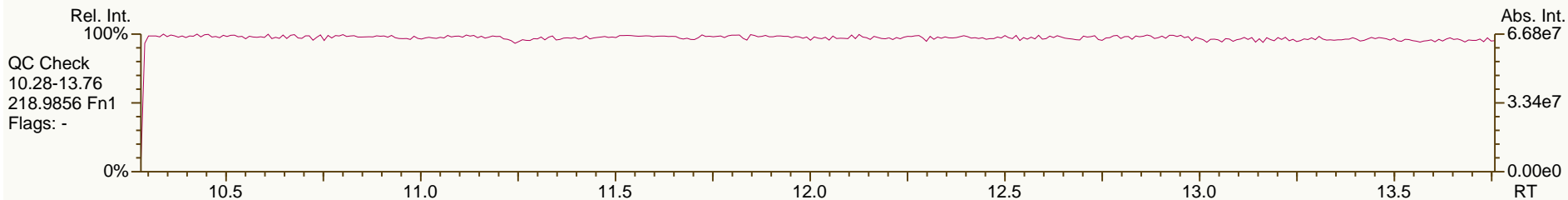
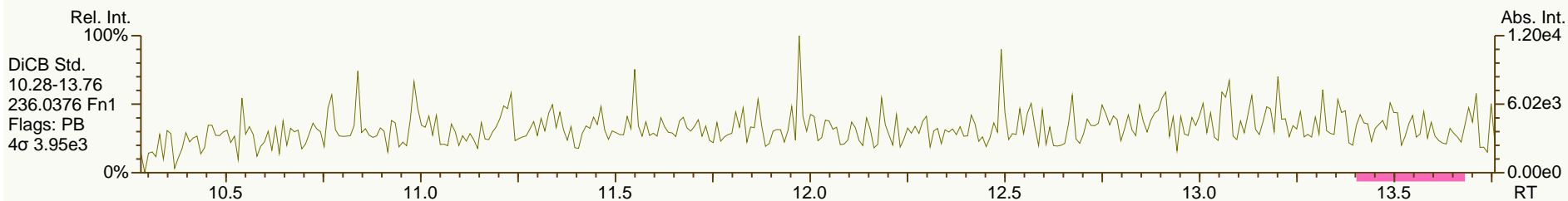
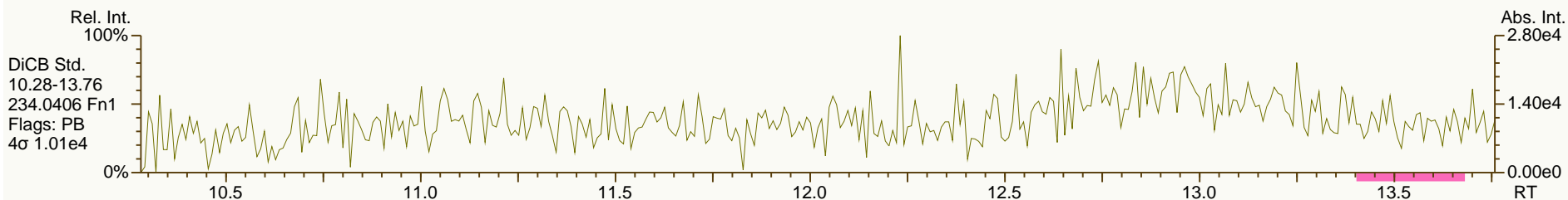
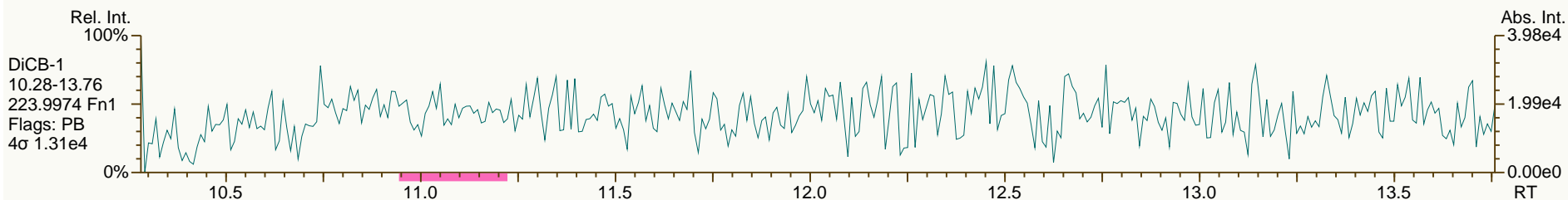
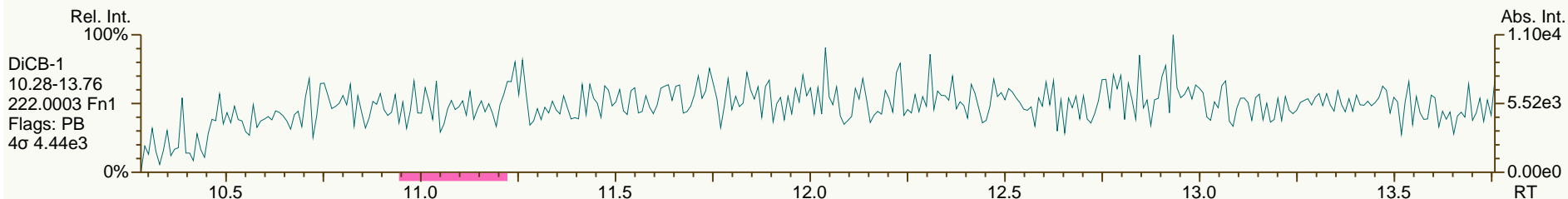
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

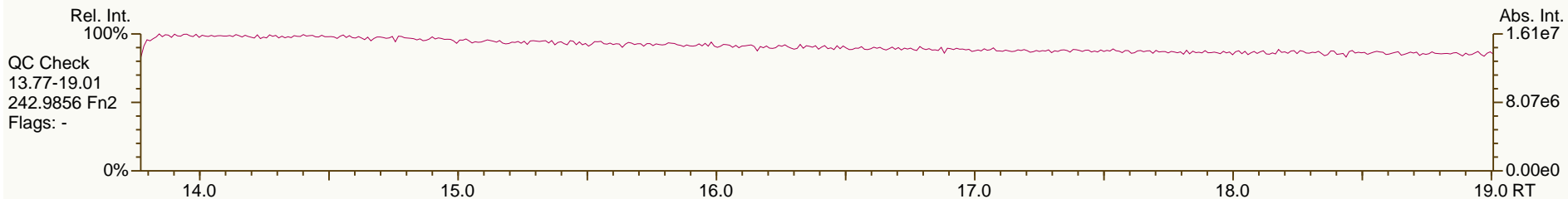
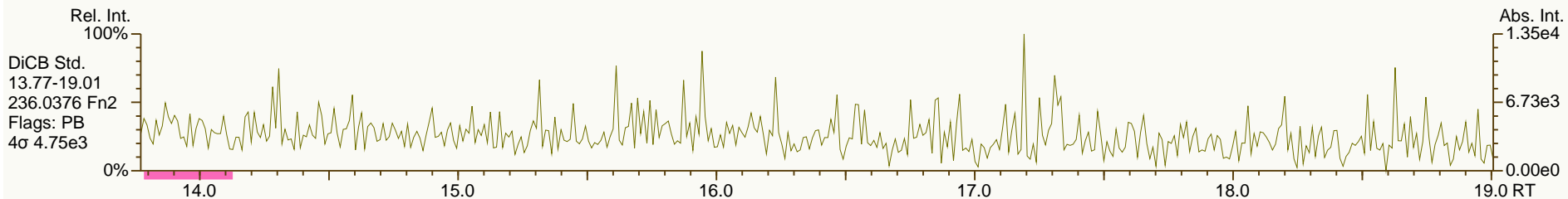
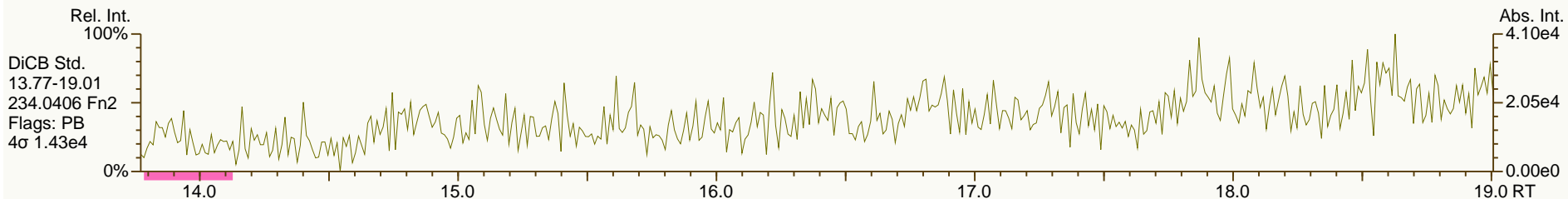
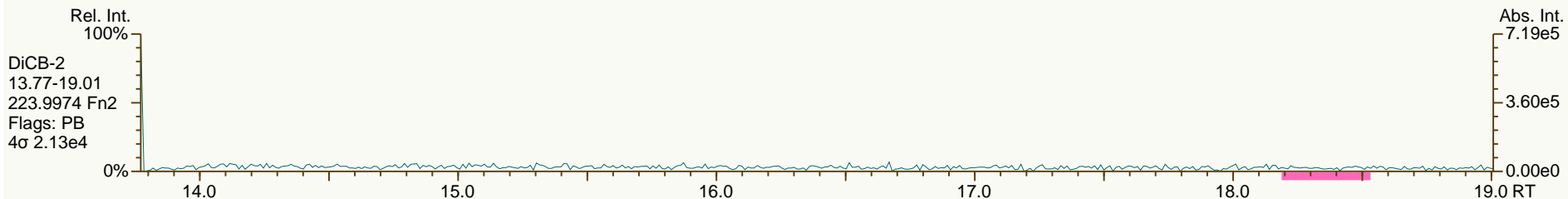
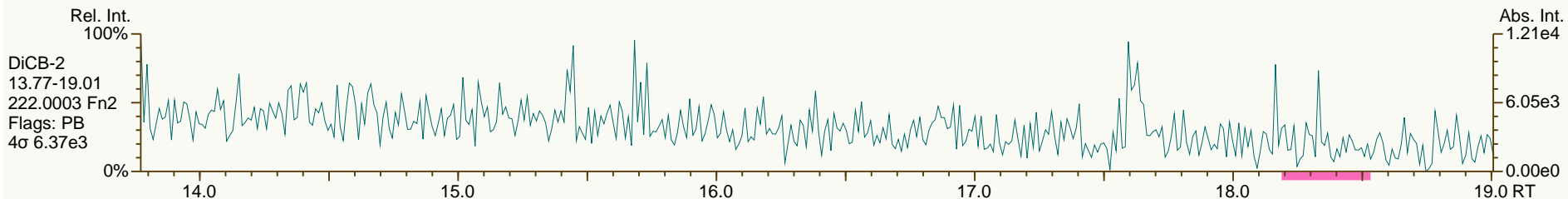
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 User: JLJ Datafile: 130719V09



SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

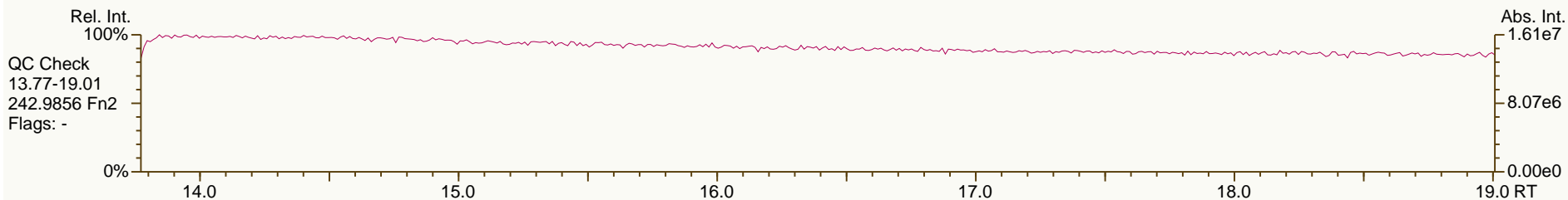
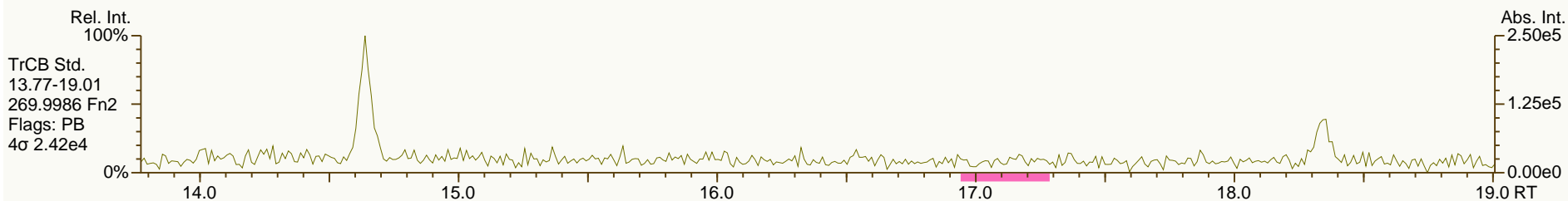
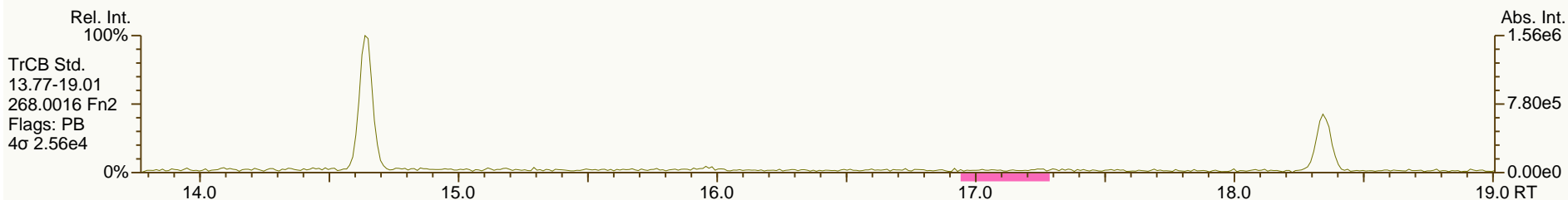
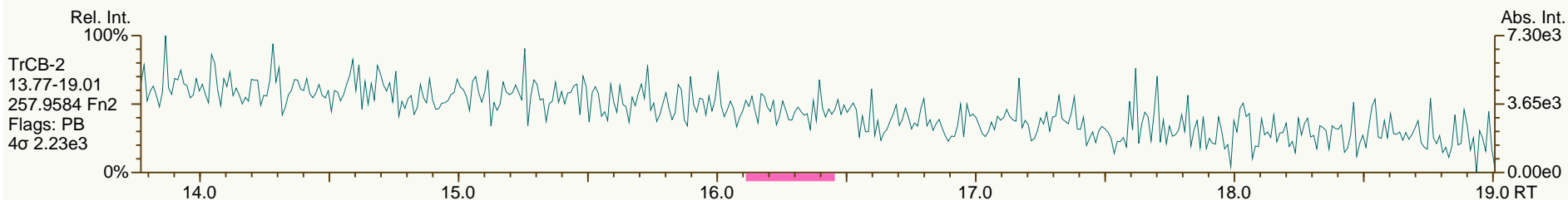
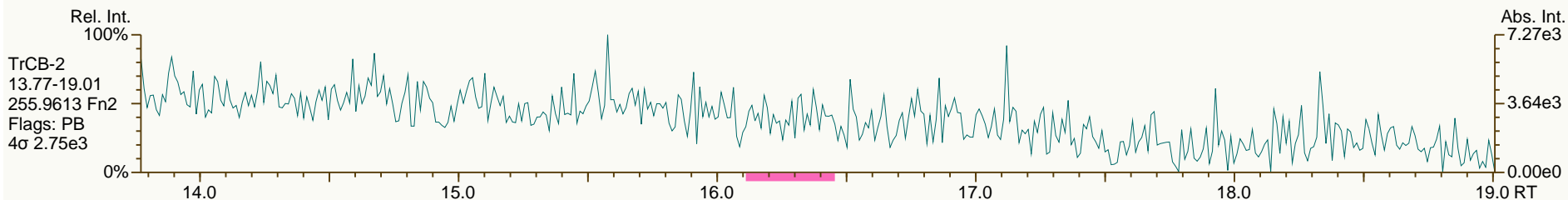
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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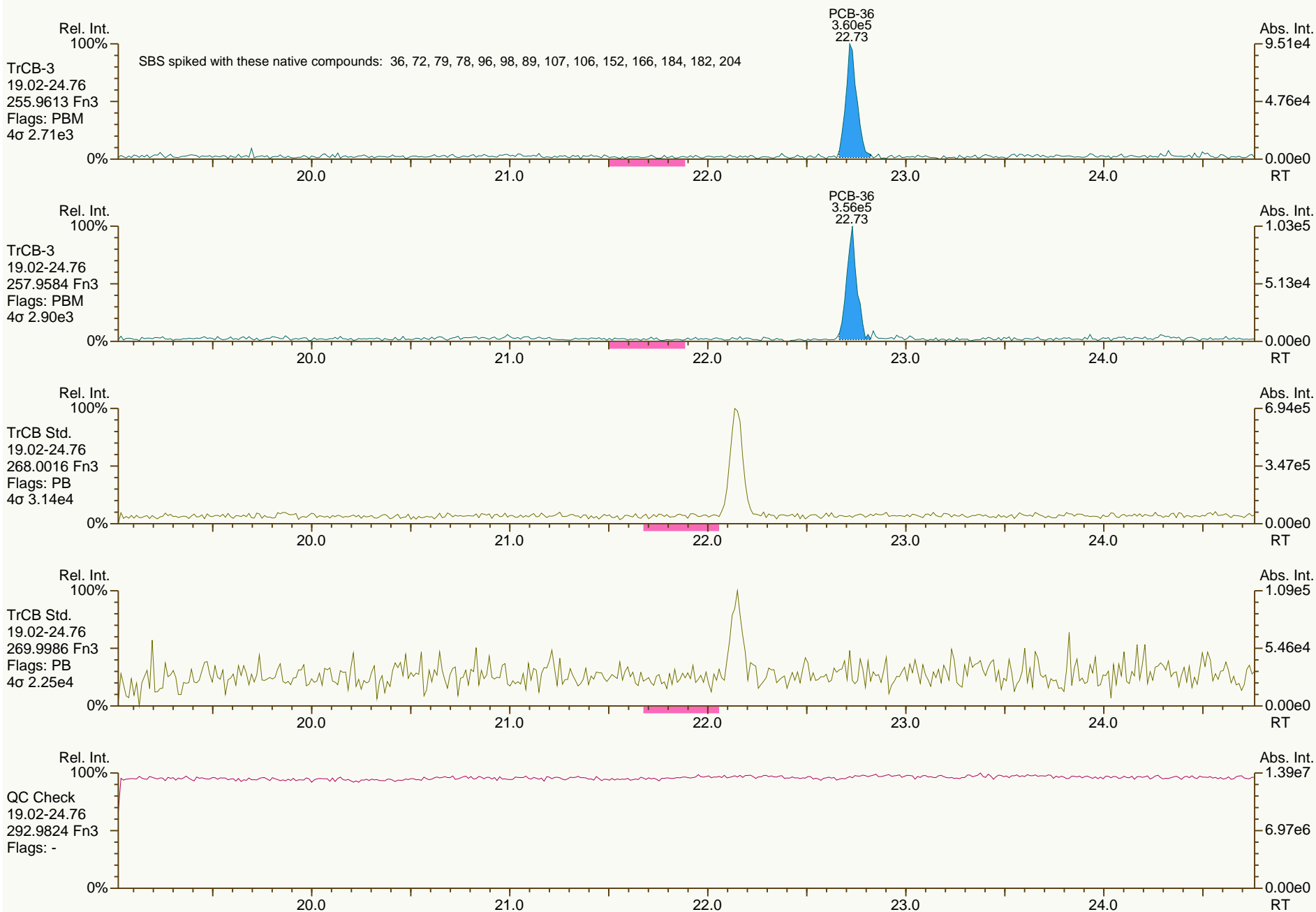
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SGS-AP ID: SBS_130719_PCB_VB
Instr: AutoSpec-Premier MM6

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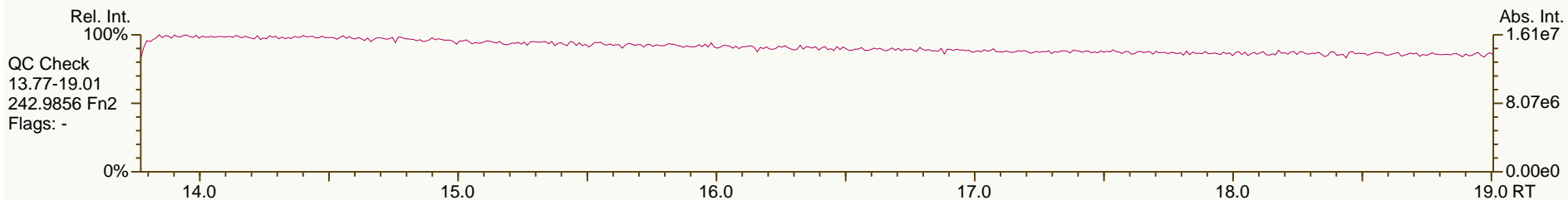
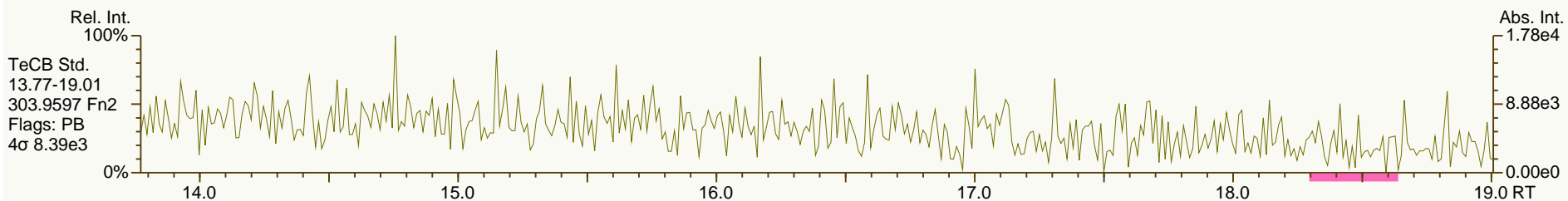
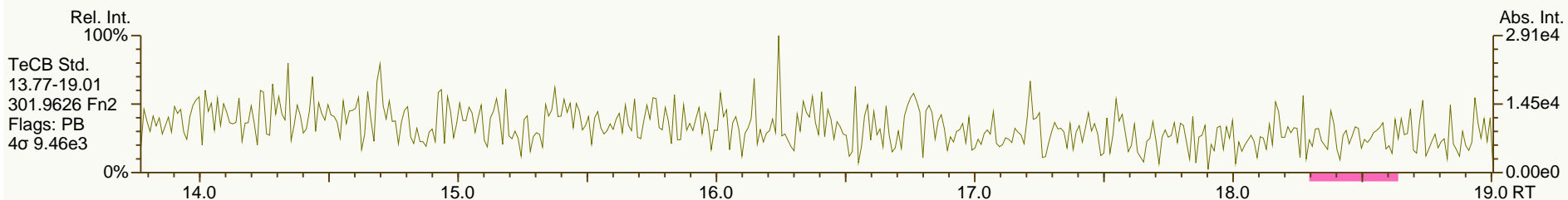
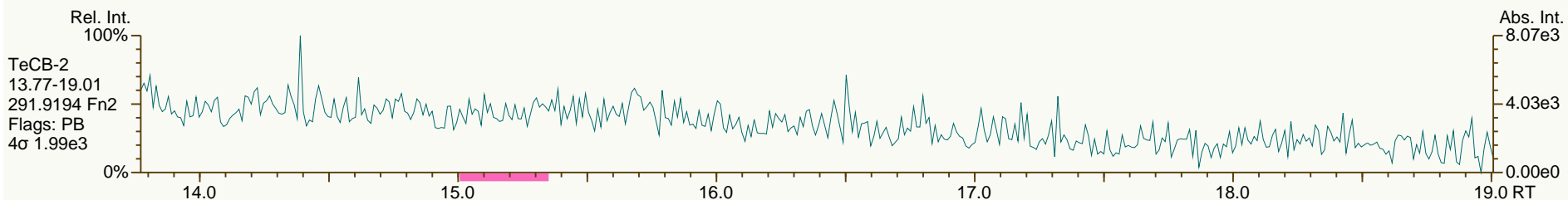
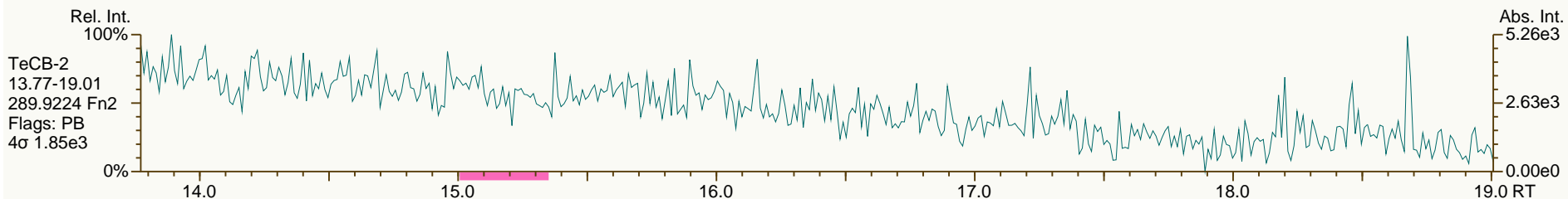
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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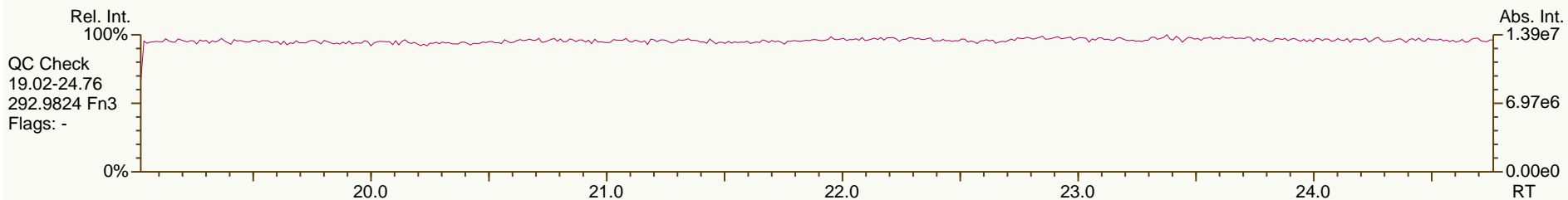
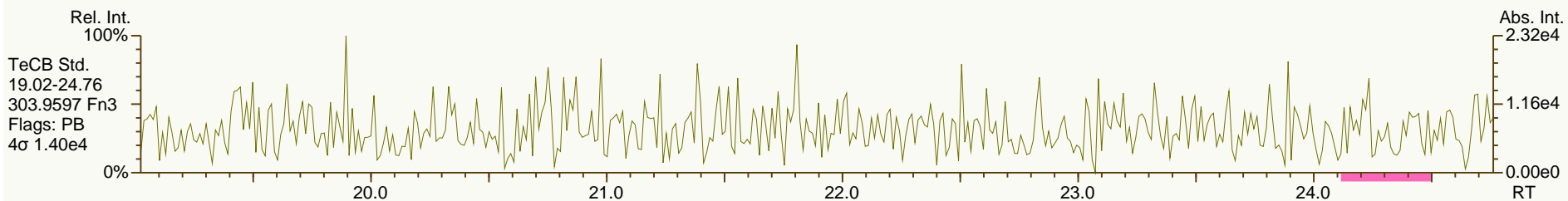
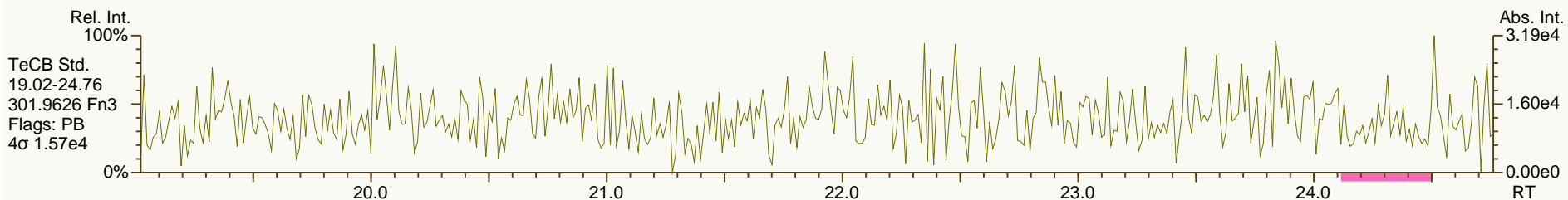
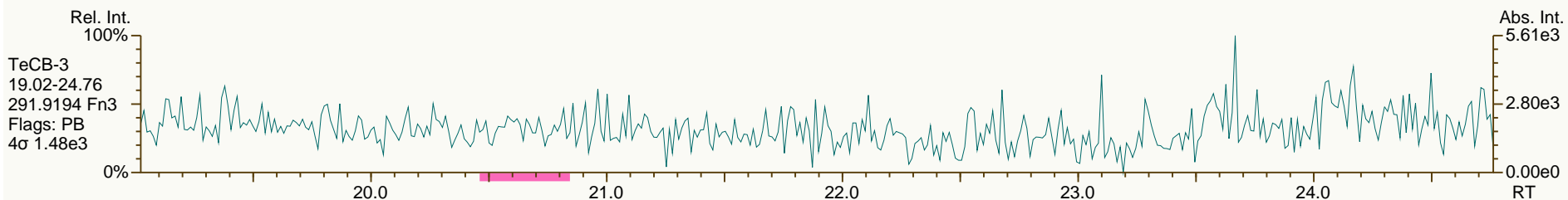
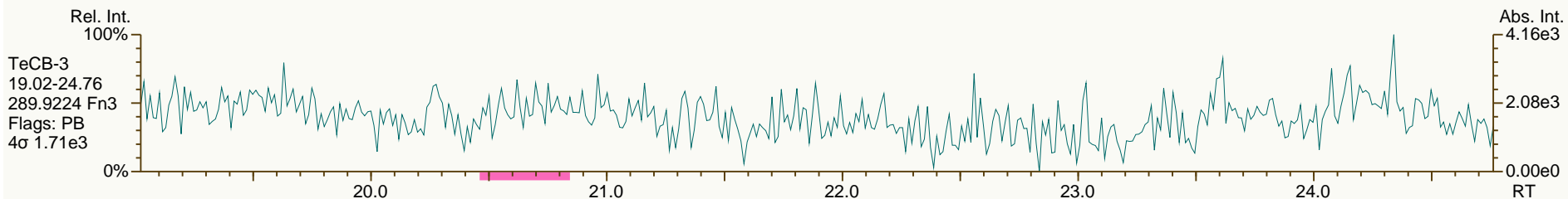
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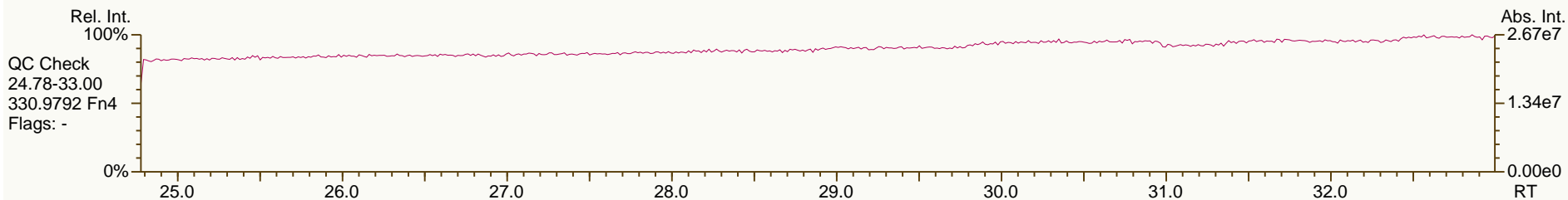
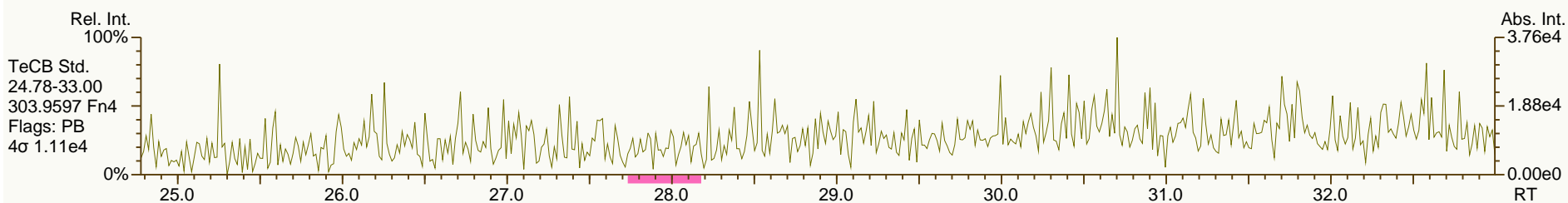
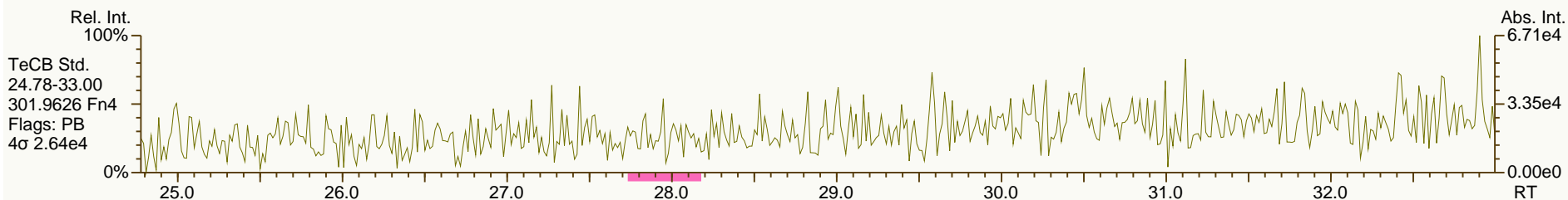
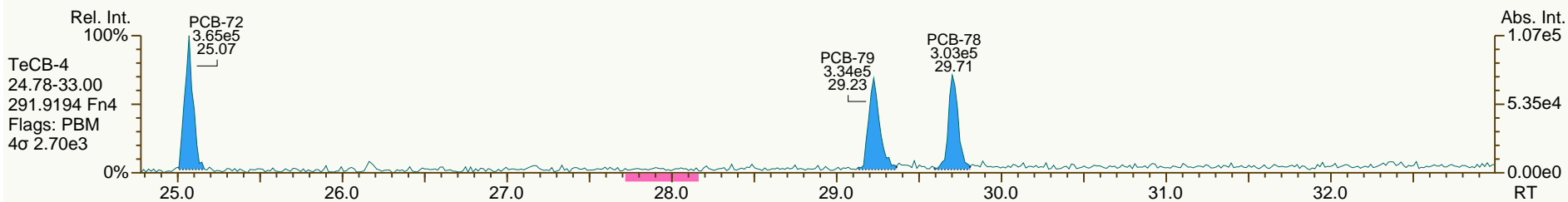
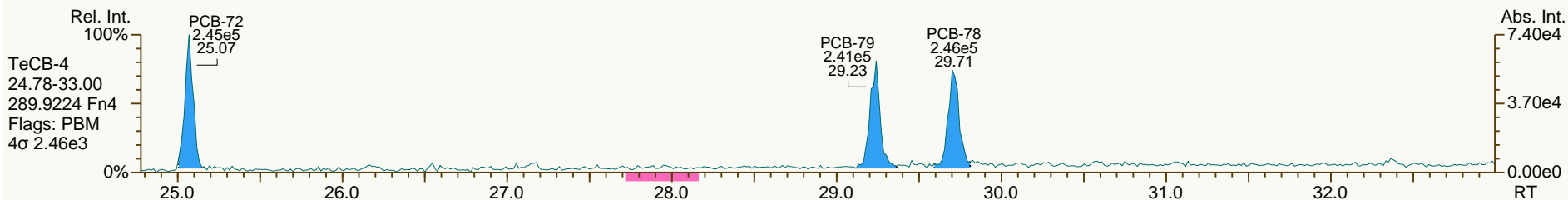
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SGS-AP ID: SBS_130719_PCB_VB
Instr: AutoSpec-Premier MM6

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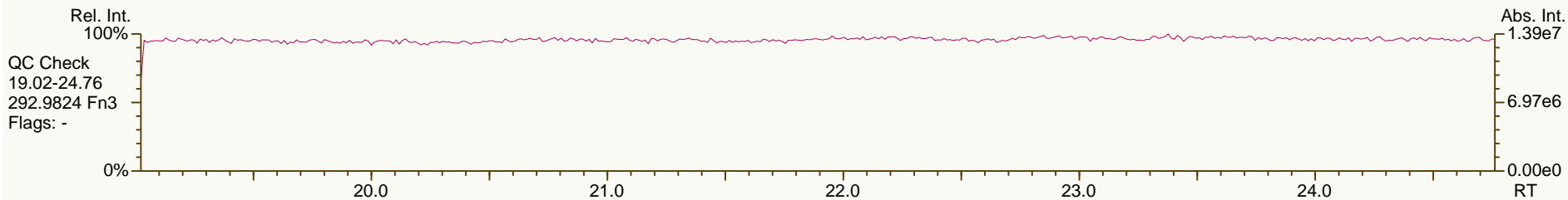
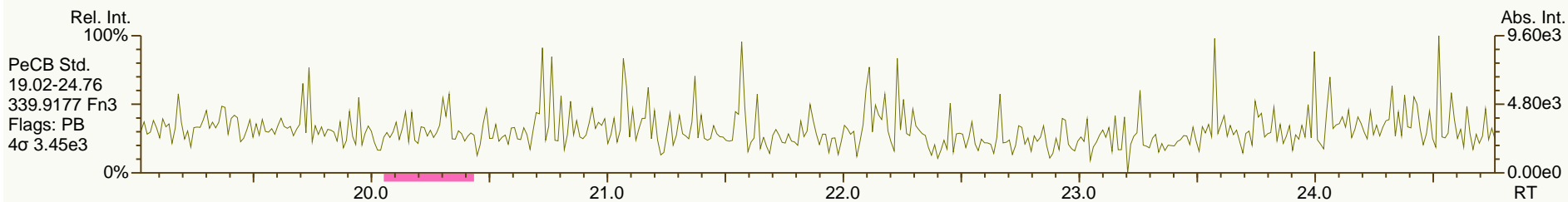
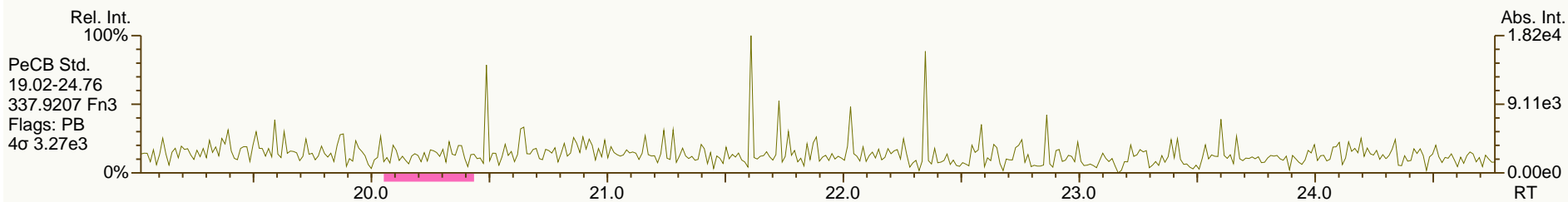
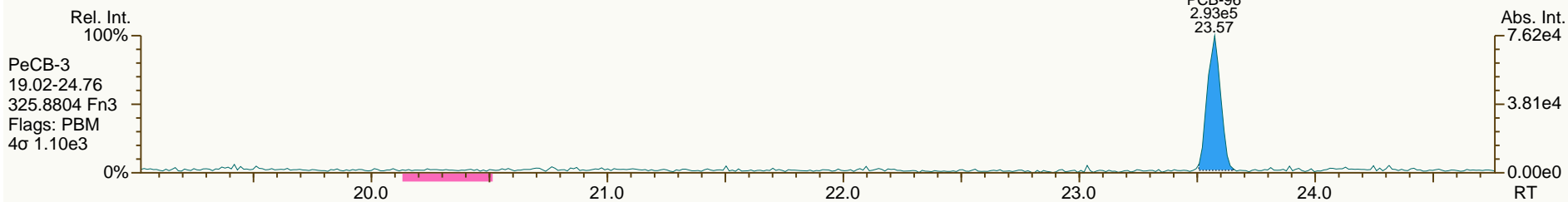
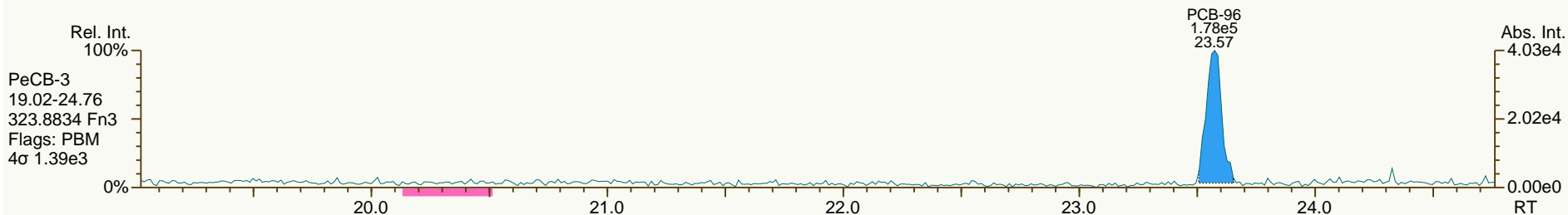
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 Instr: AutoSpec-Premier MM6

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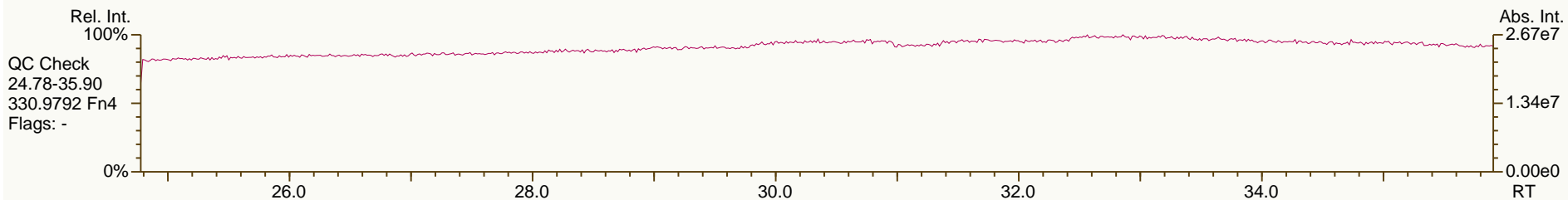
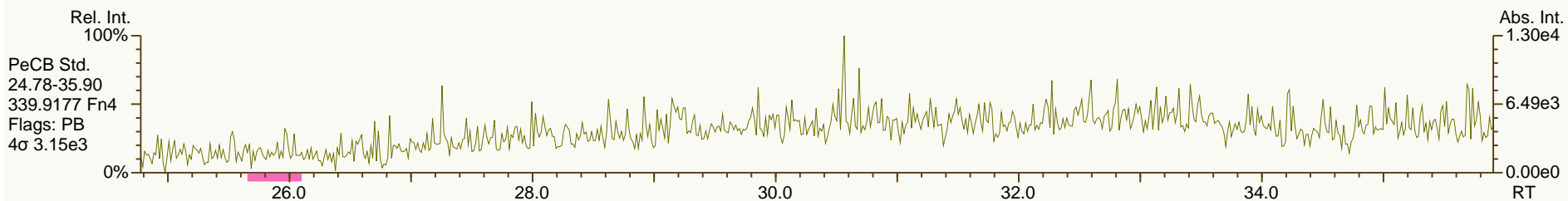
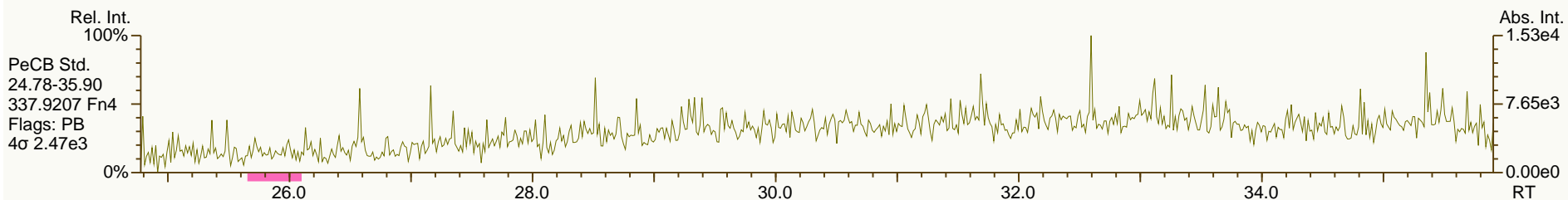
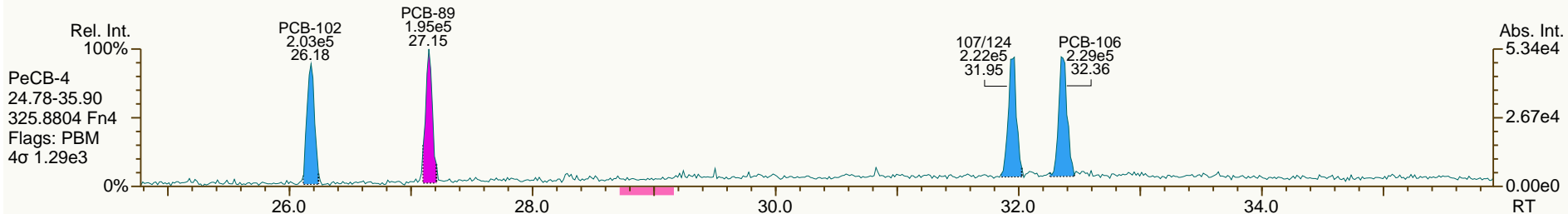
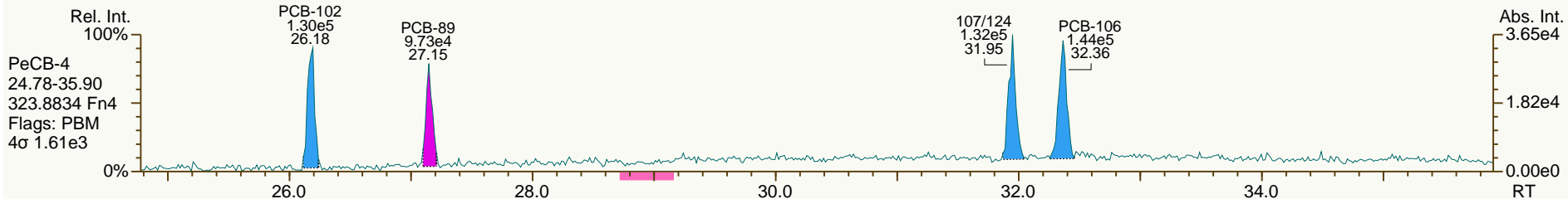
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SGS-AP ID: SBS_130719_PCB_VB
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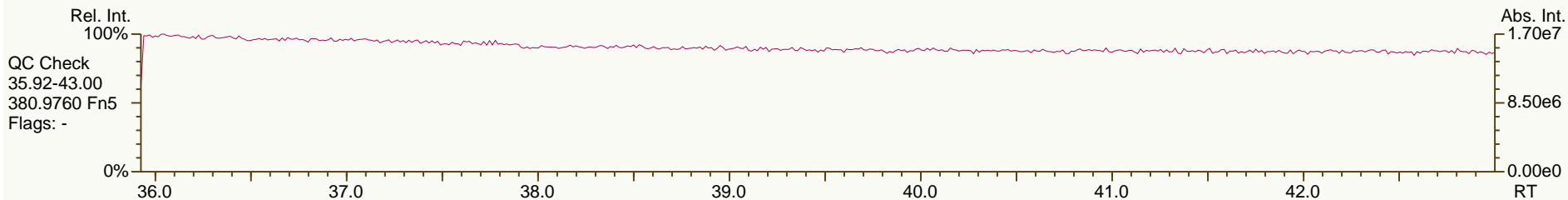
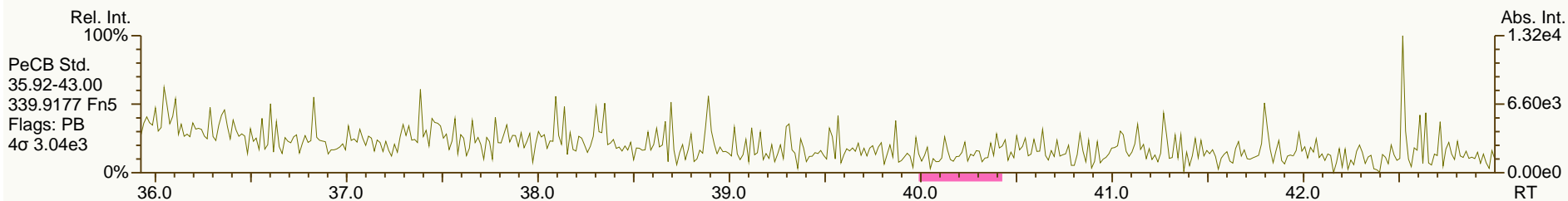
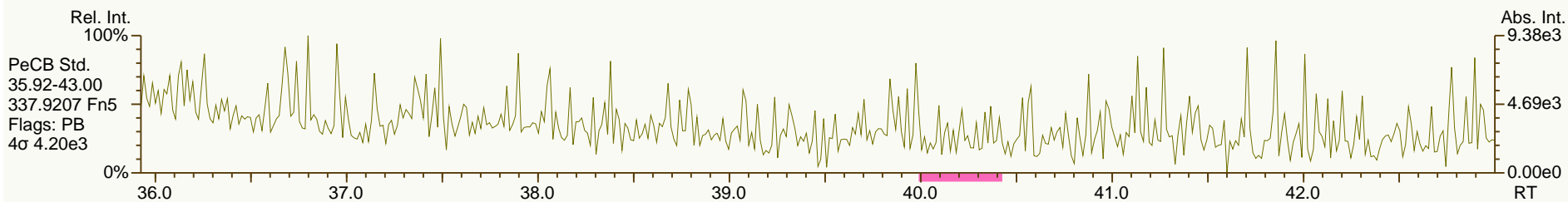
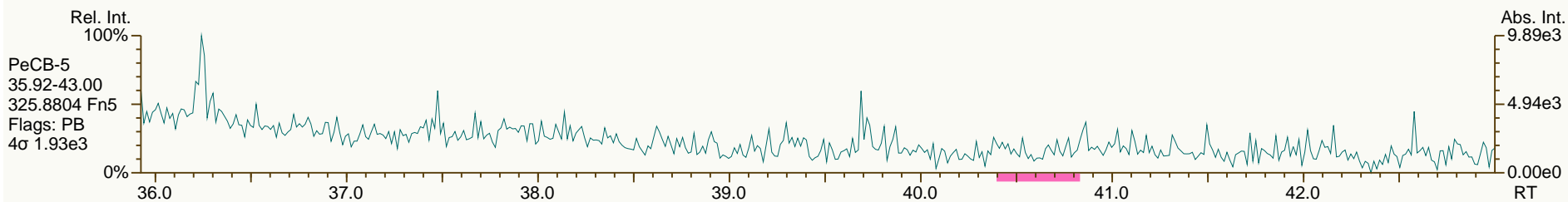
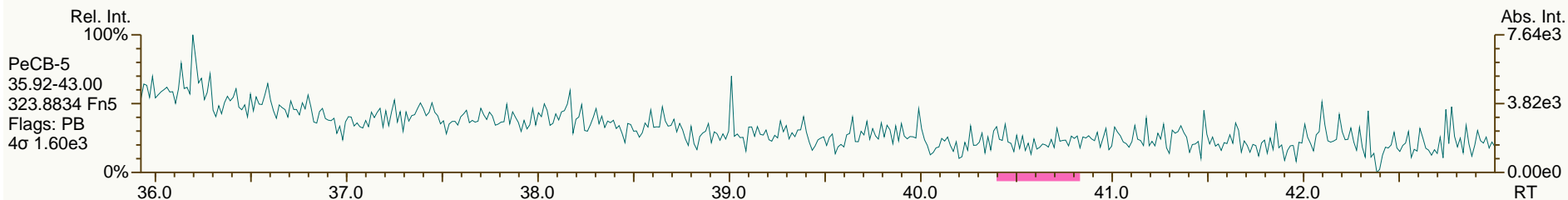
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SGS-AP ID: SBS_130719_PCB_VB
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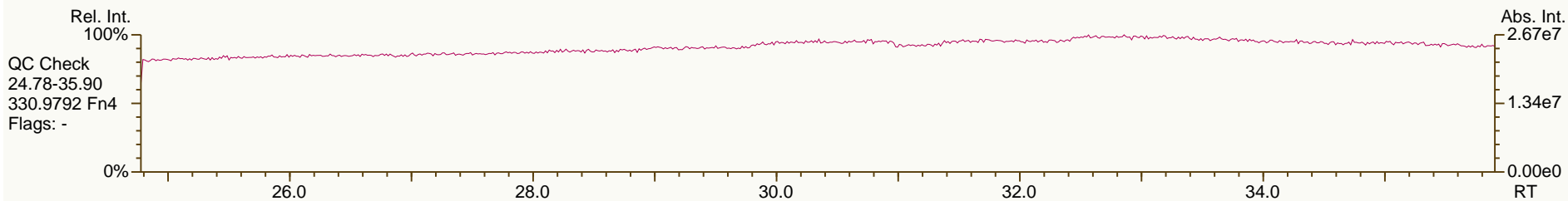
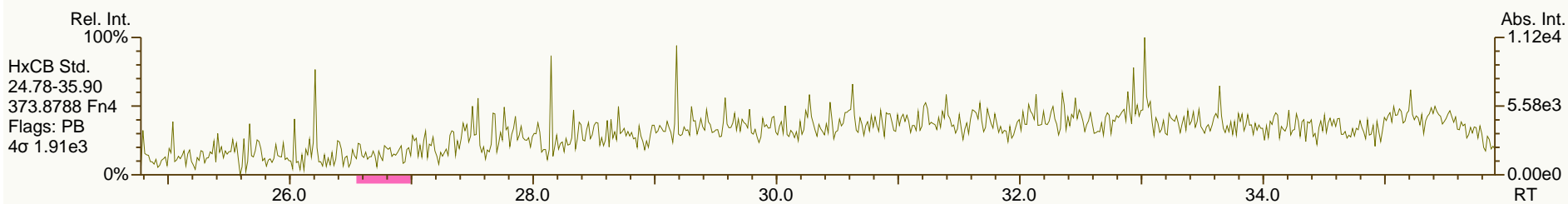
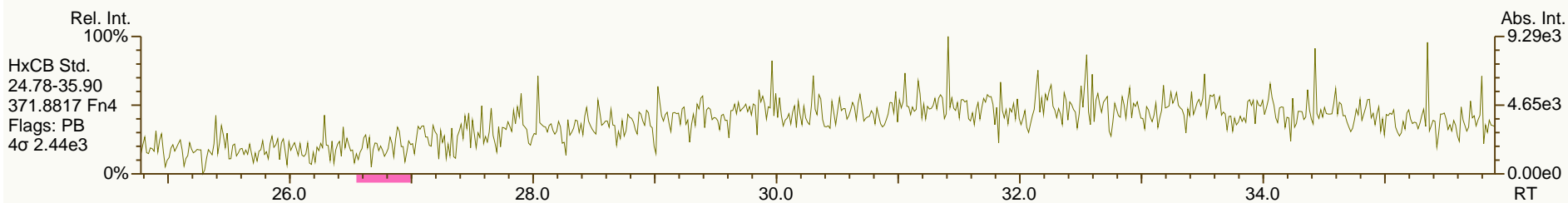
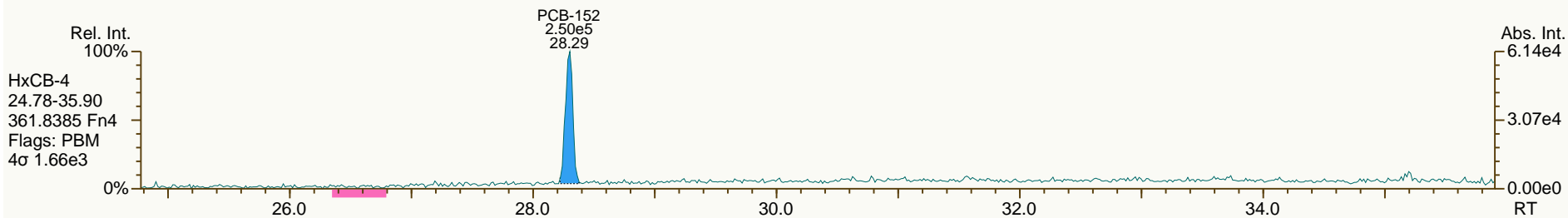
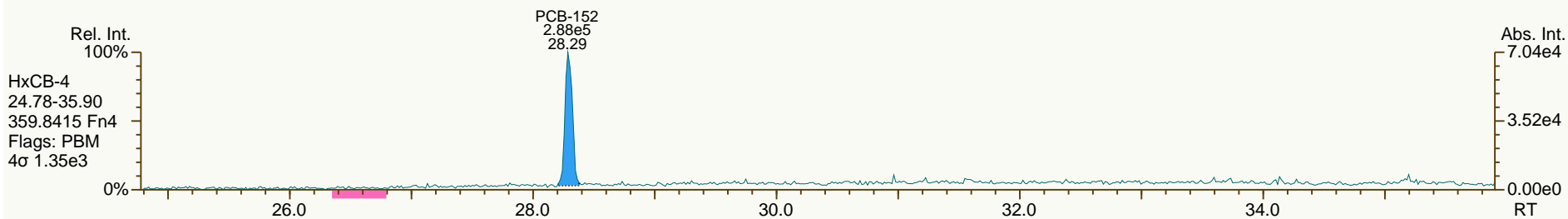
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SGS-AP ID: SBS_130719_PCB_VB
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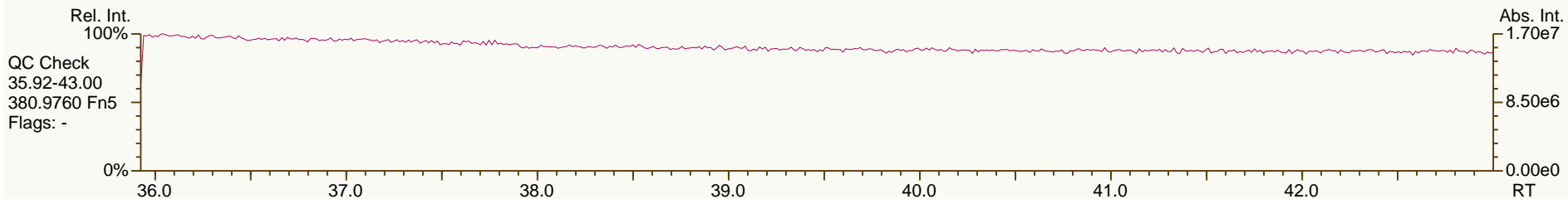
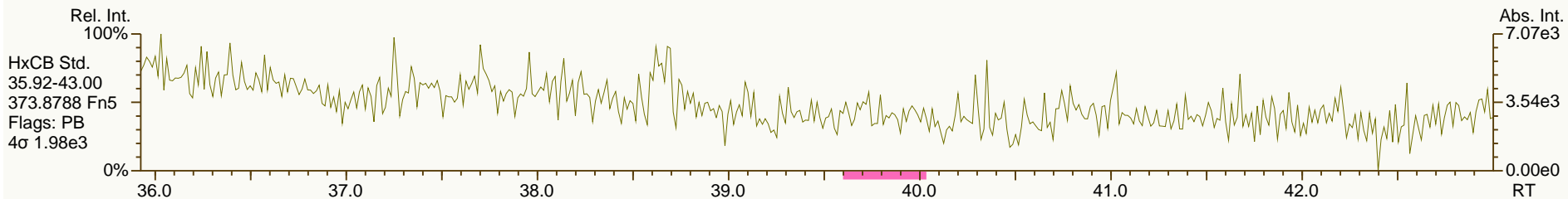
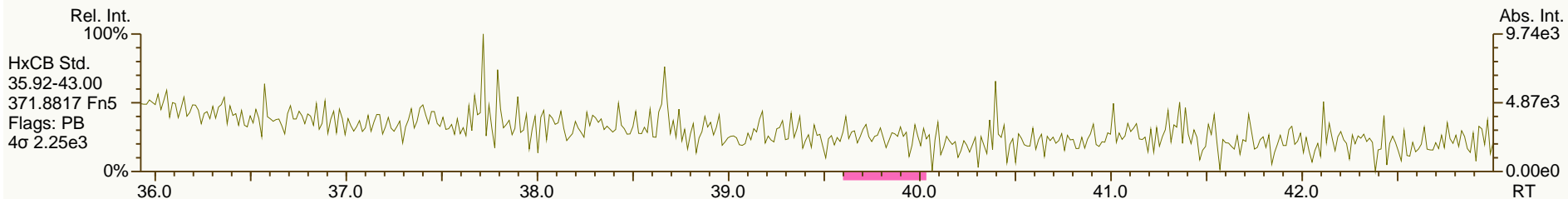
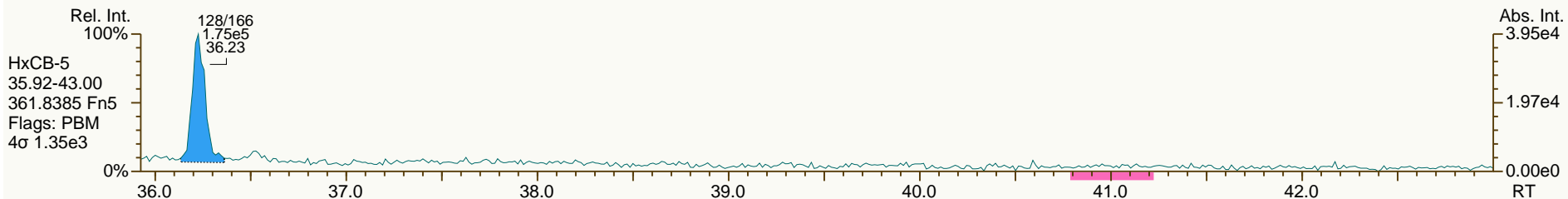
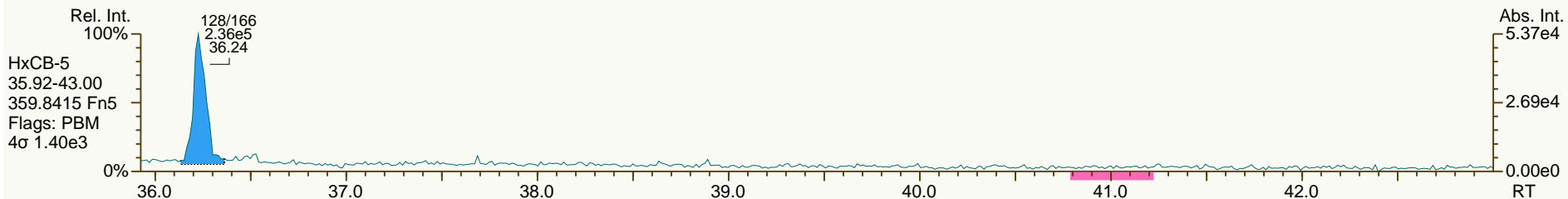
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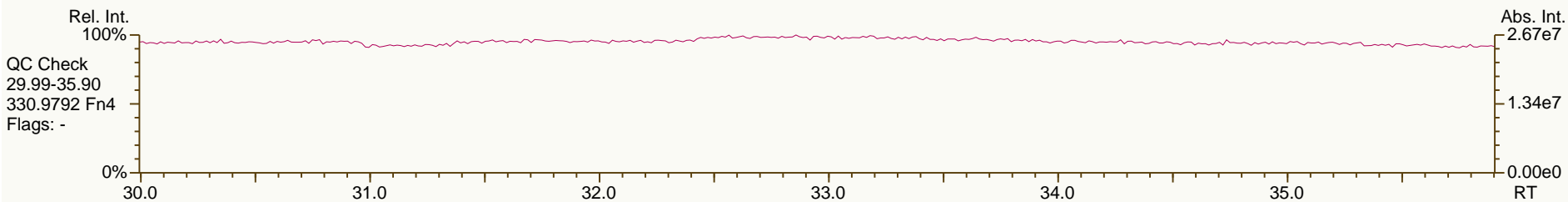
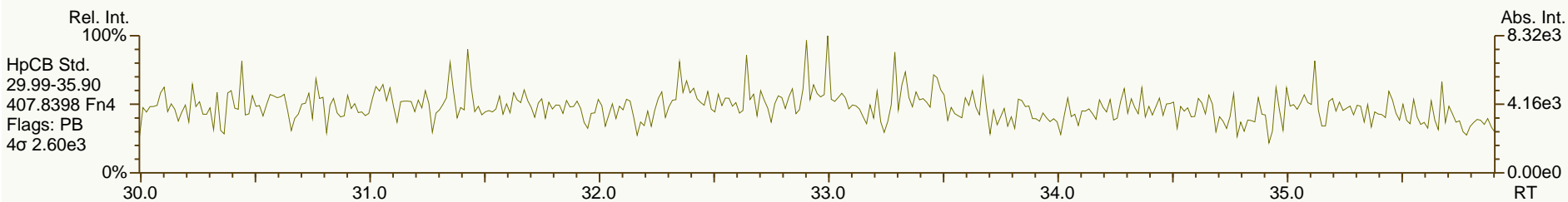
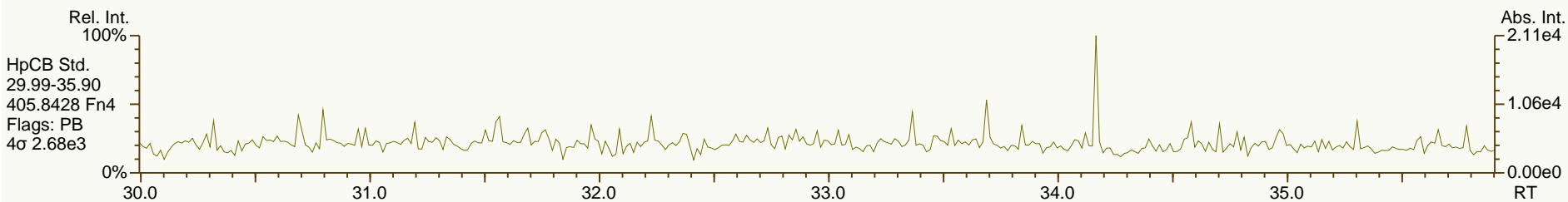
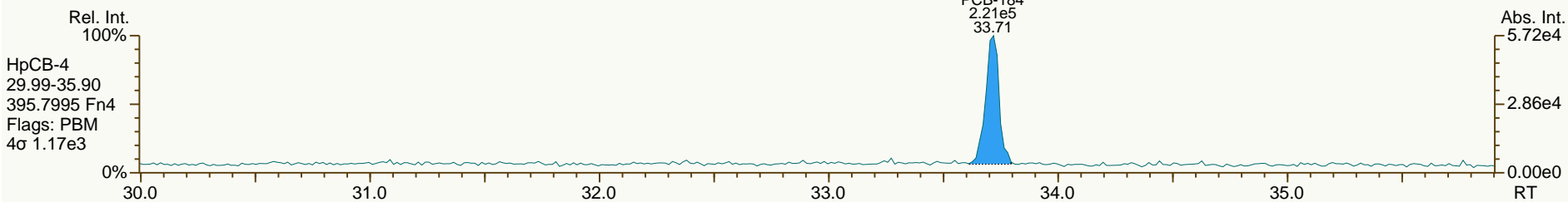
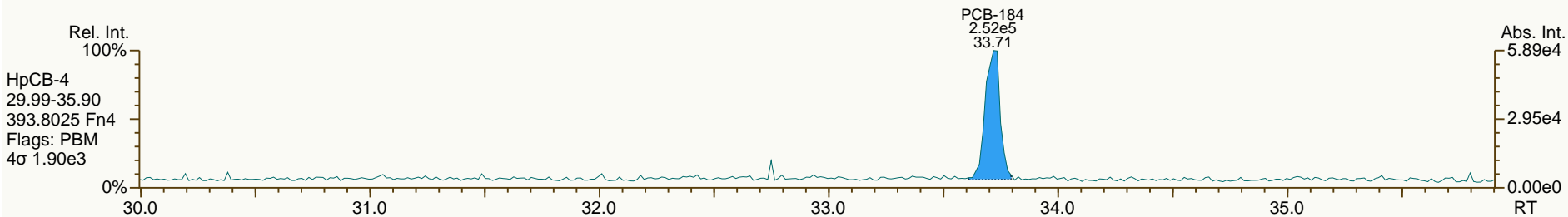
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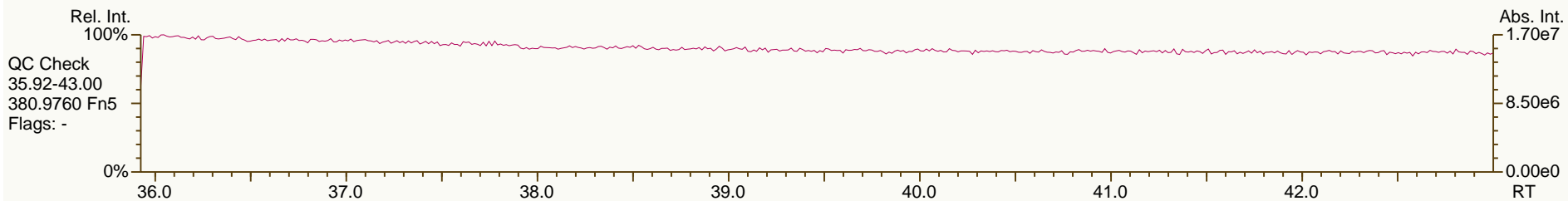
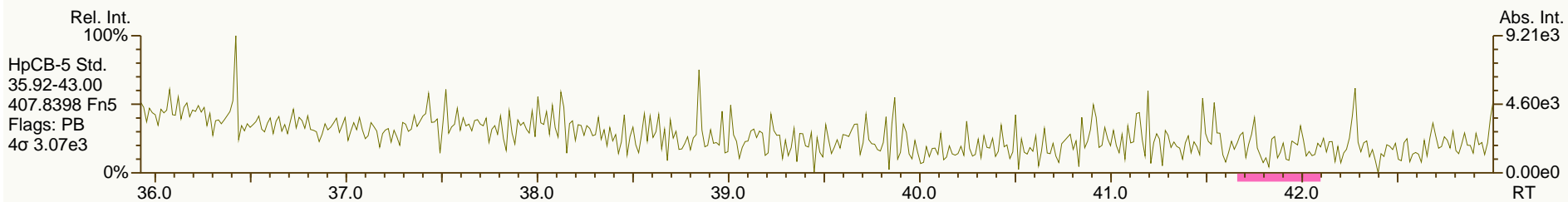
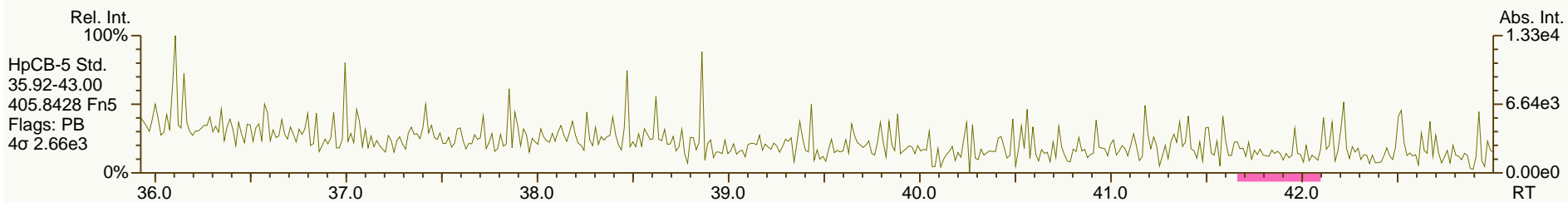
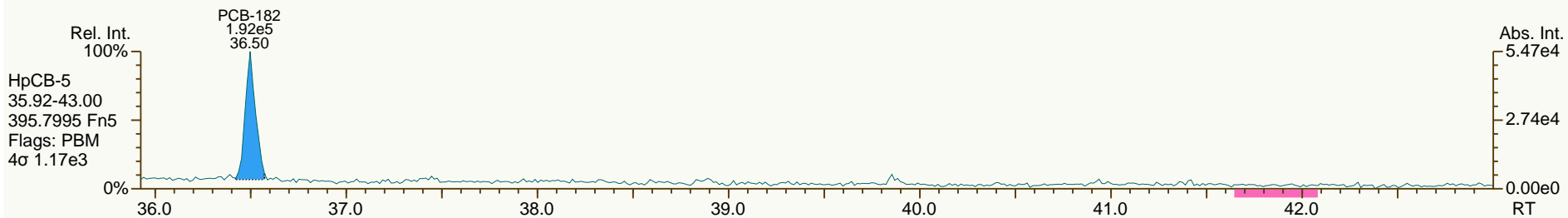
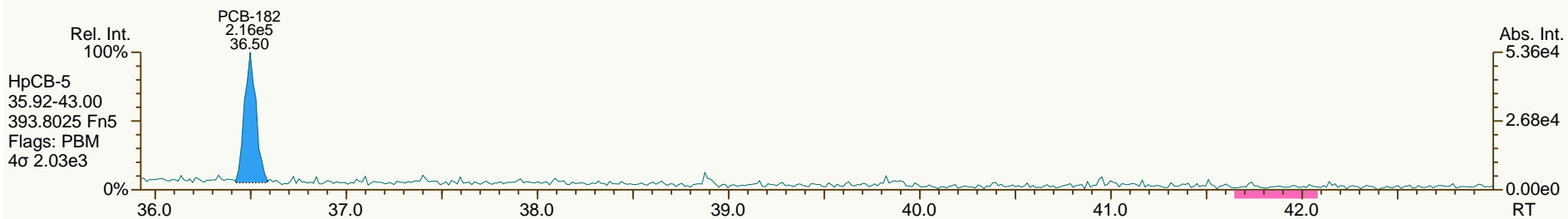
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Sample ID: SIL 9-41-1
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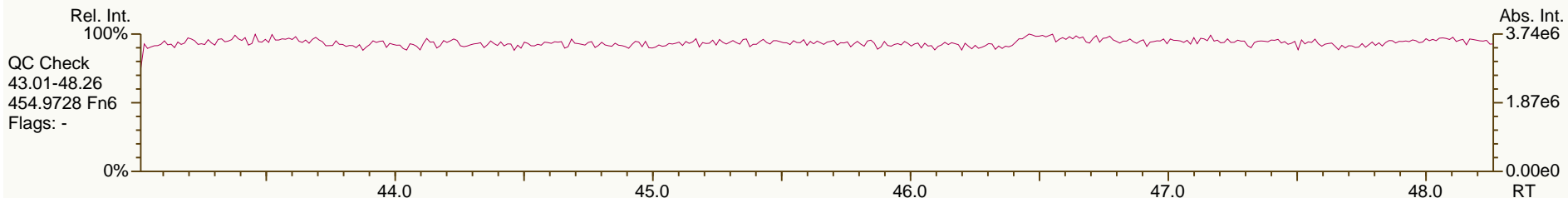
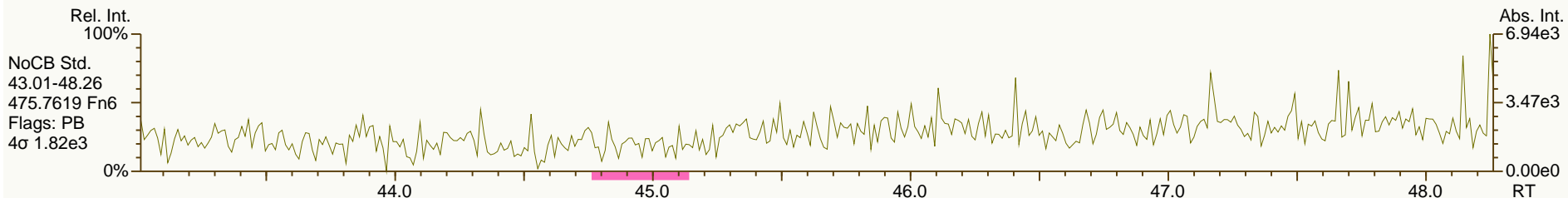
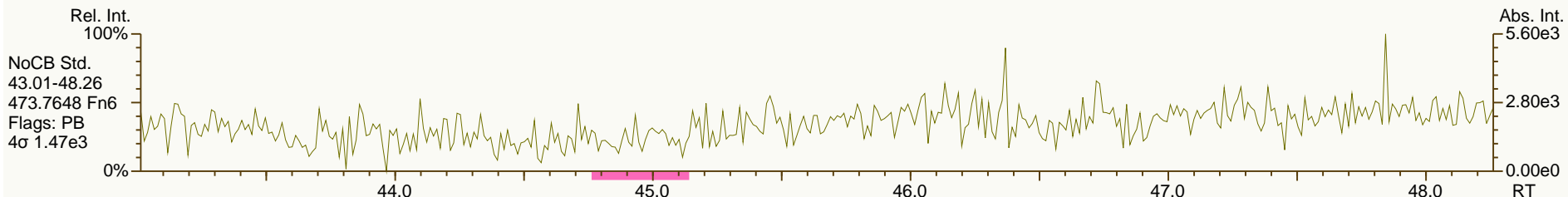
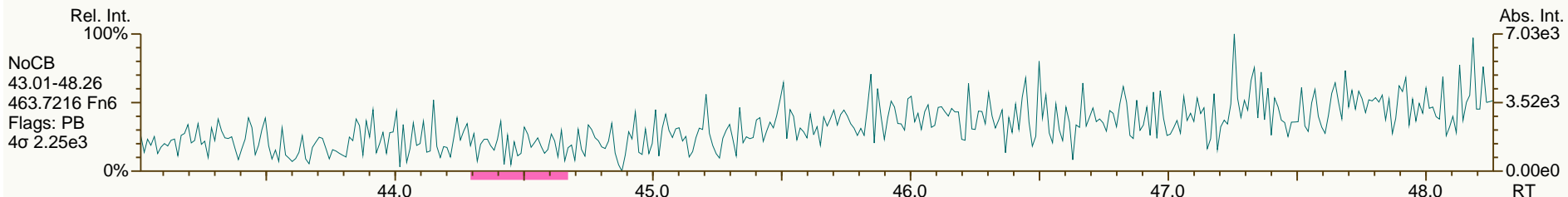
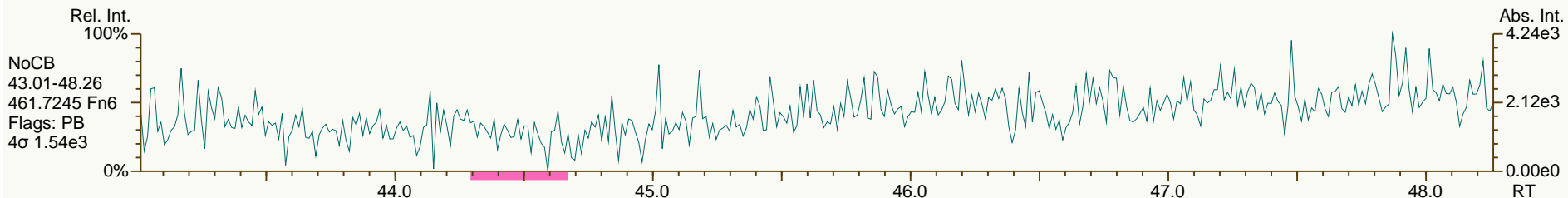
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 Instr: AutoSpec-Premier MM6

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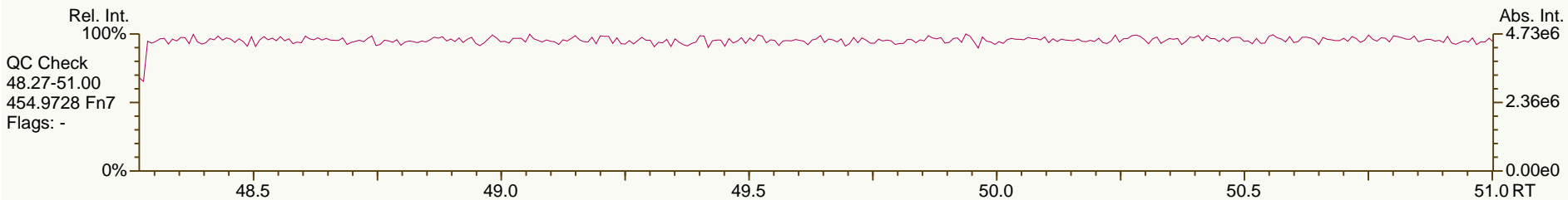
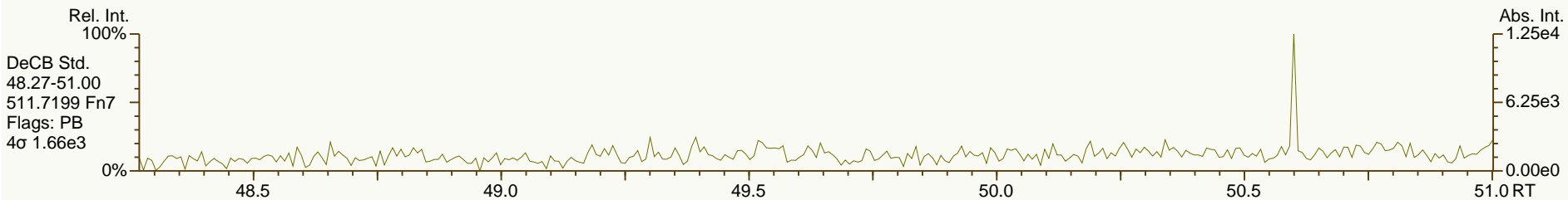
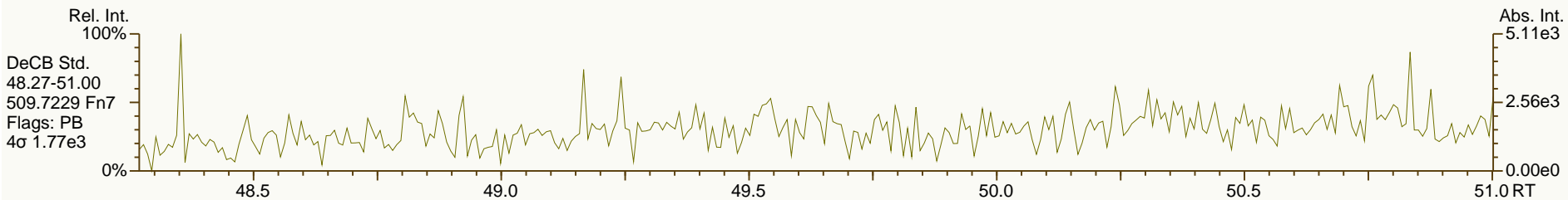
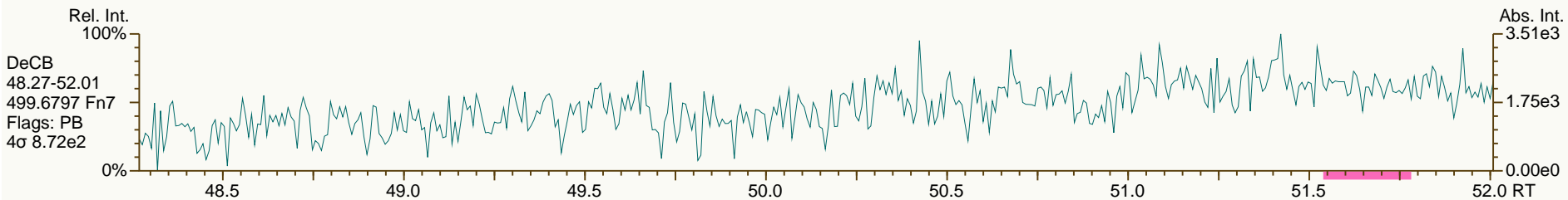
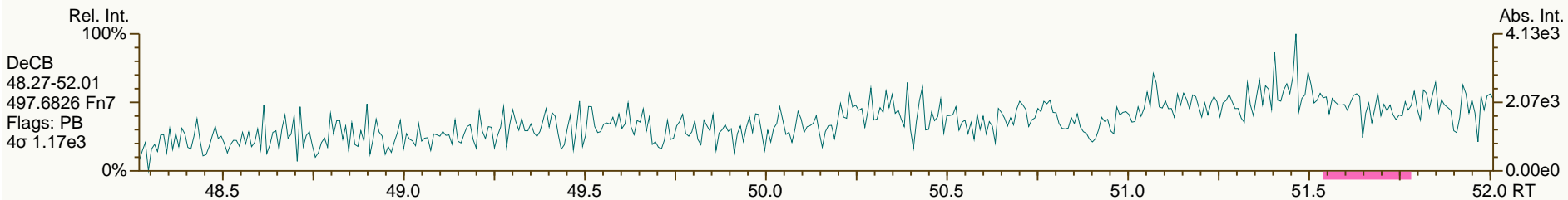
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SGS-AP ID: SBS_130719_PCB_VB
 Instr: AutoSpec-Premier MM6

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Acq: 19-Jul-2013 14:38:36
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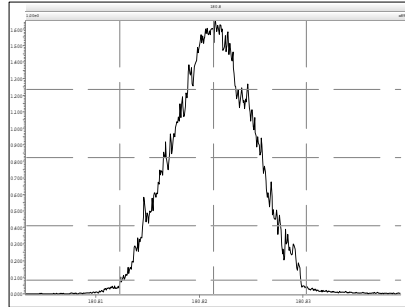
Resolution Check Report

MassLynx 4.1

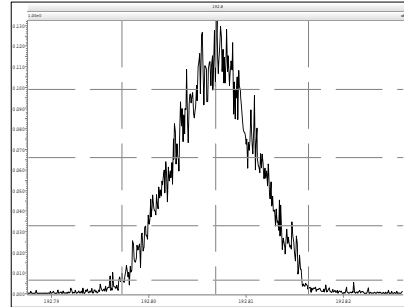
Page 1 of 6

Printed: Friday, July 19, 2013 12:51:08 Eastern Daylight Time

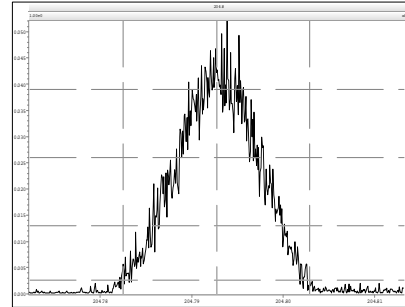
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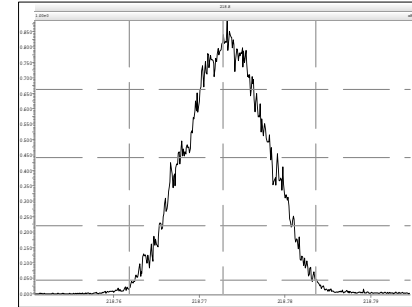
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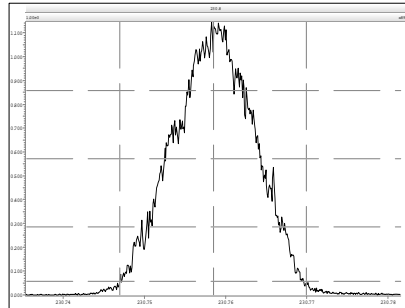
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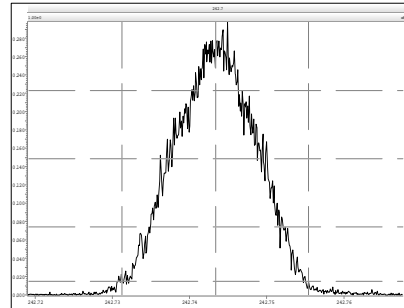
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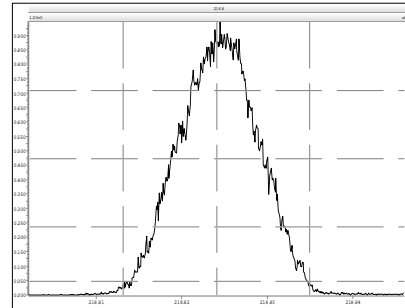
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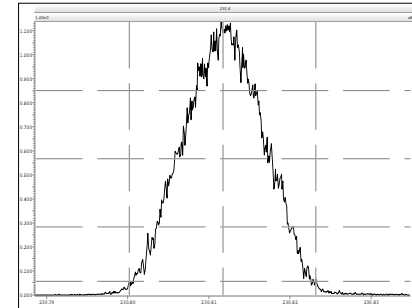
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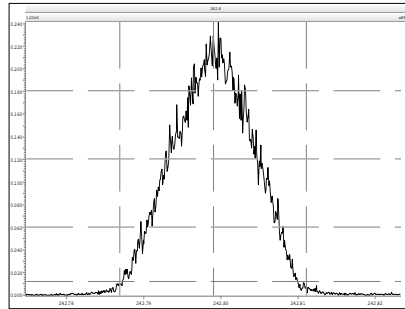
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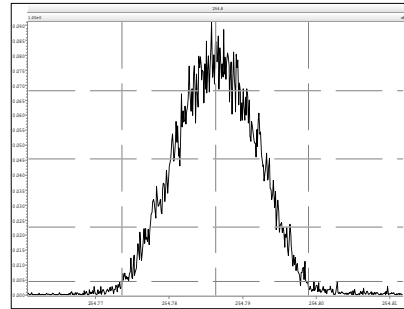
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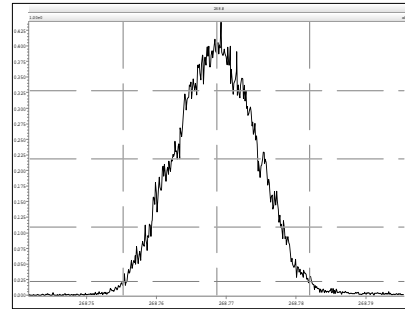
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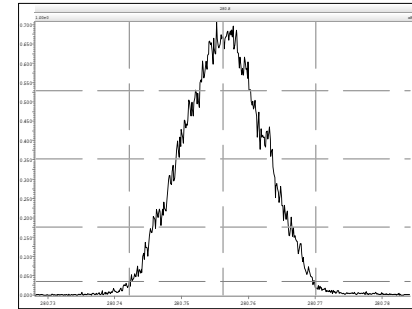
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M 268.9824 R 10451



M 280.9824 R 10309



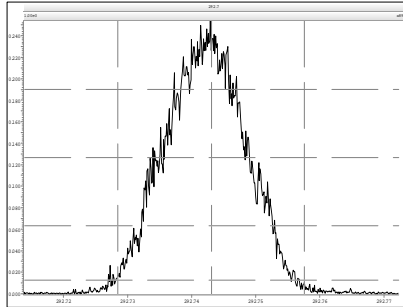
Resolution Check Report

MassLynx 4.1

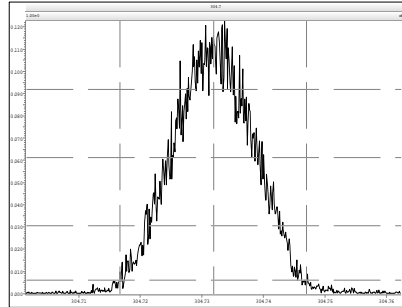
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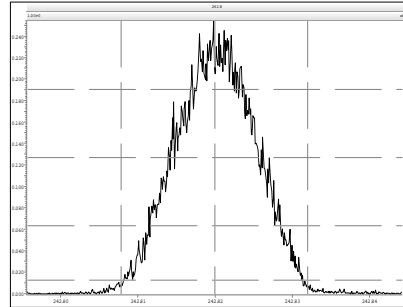
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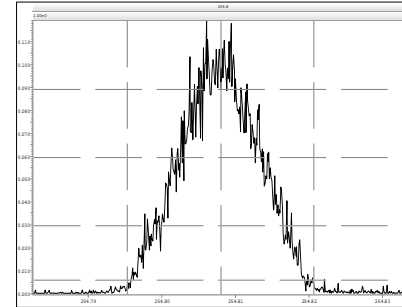
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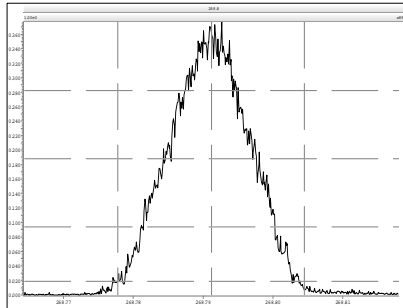
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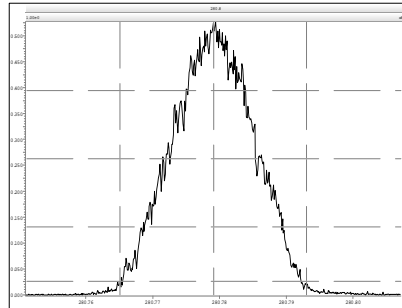
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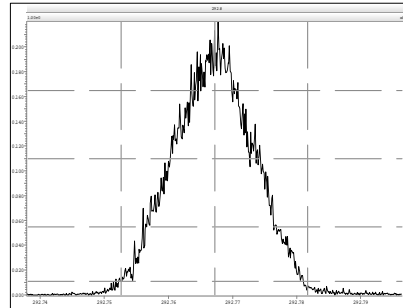
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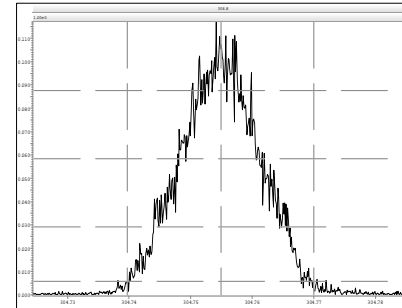
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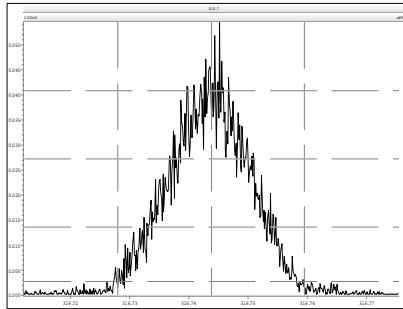
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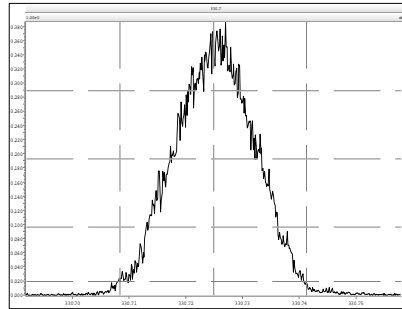
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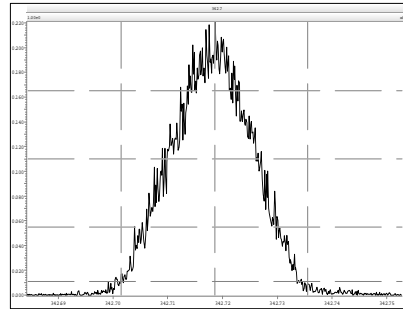
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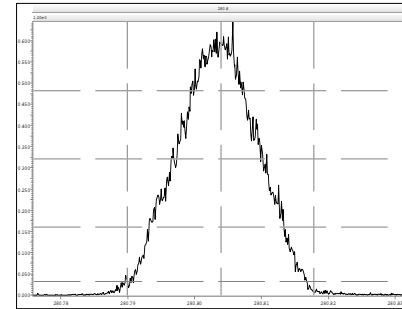
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M 342.9792 R 10485



M 280.9824 R 10548



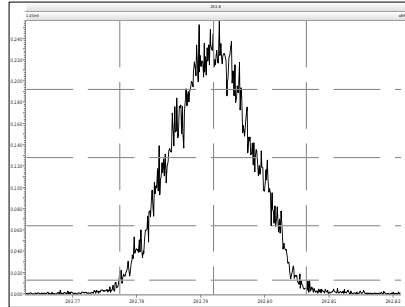
Resolution Check Report

MassLynx 4.1

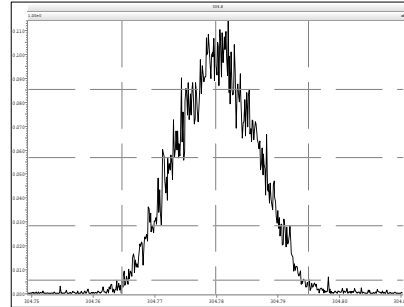
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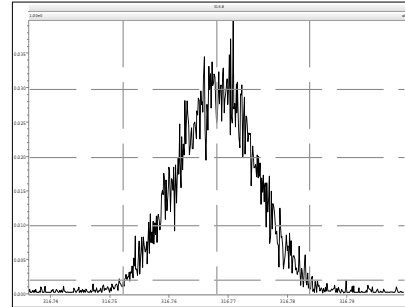
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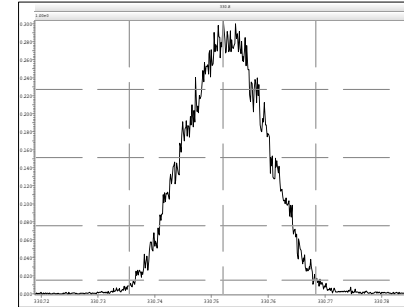
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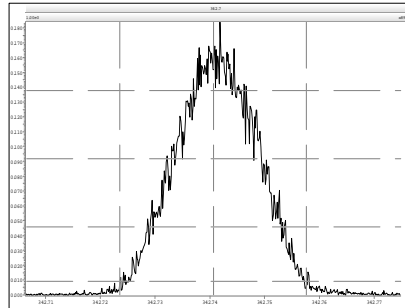
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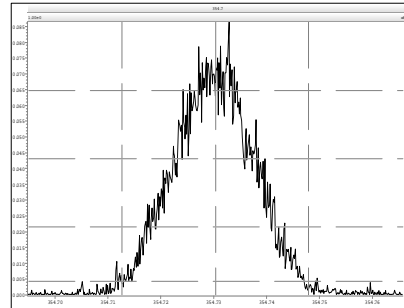
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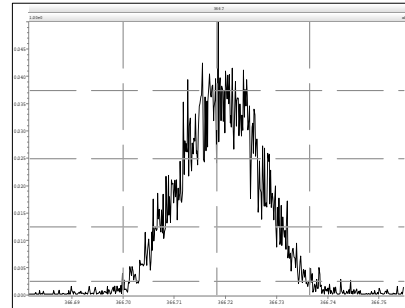
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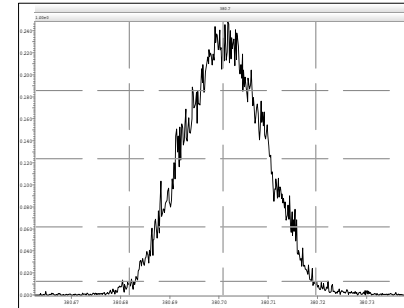
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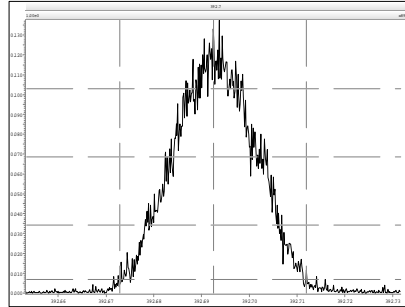
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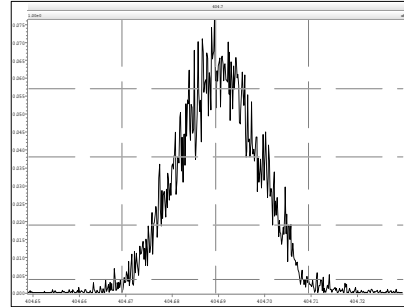
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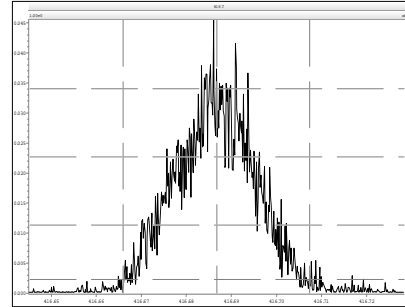
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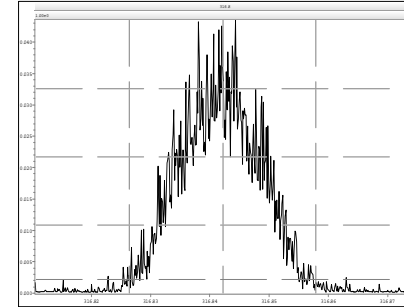
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M 416.9760 R 10924



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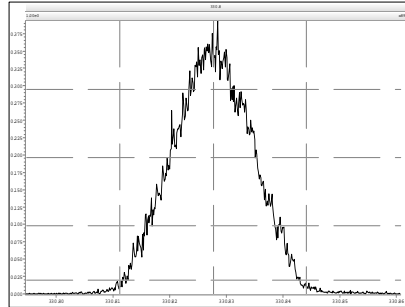
Resolution Check Report

MassLynx 4.1

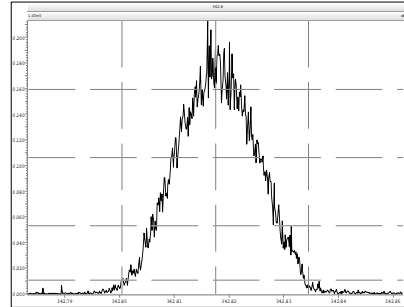
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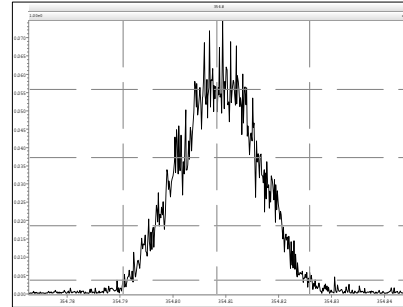
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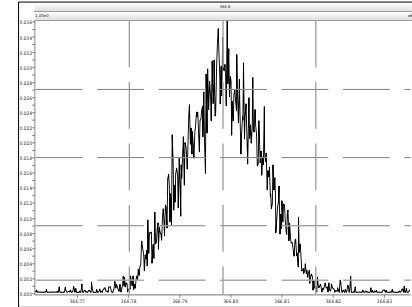
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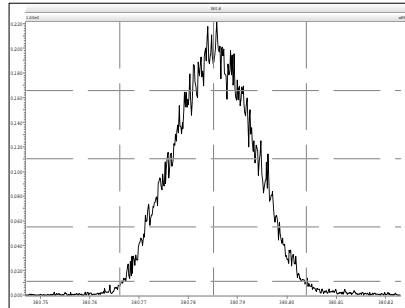
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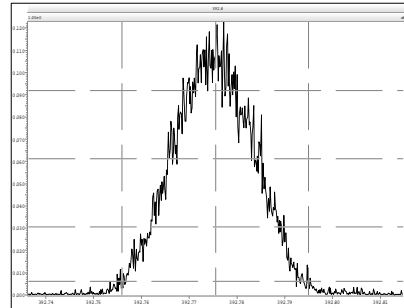
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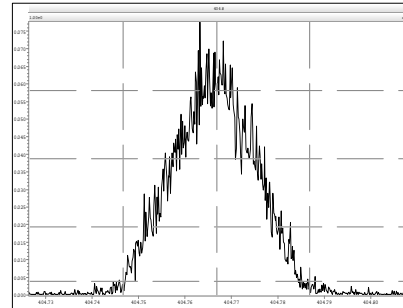
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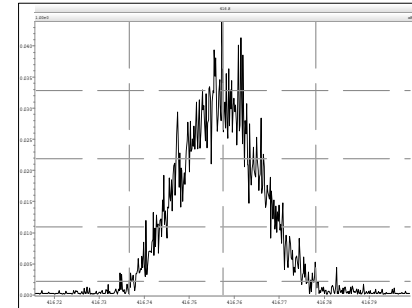
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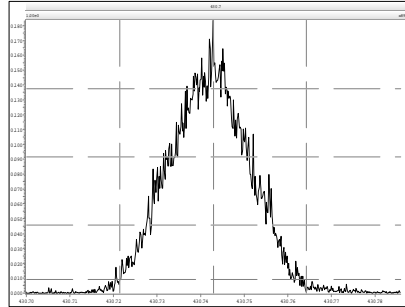
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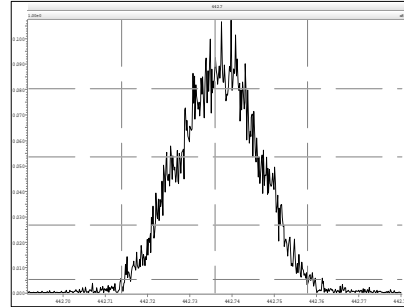
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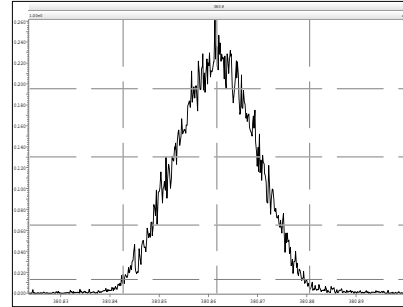
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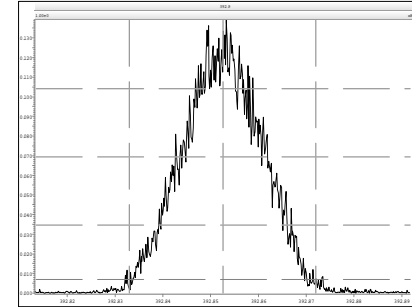
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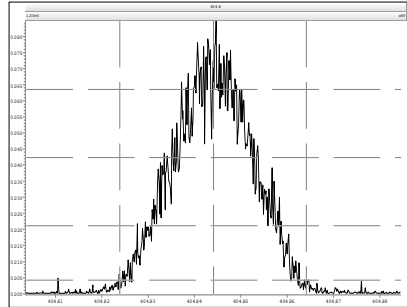


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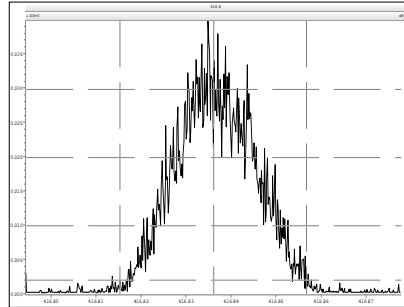
MassLynx 4.1

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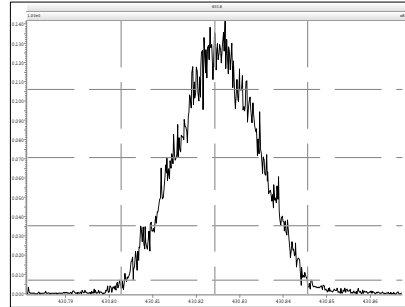
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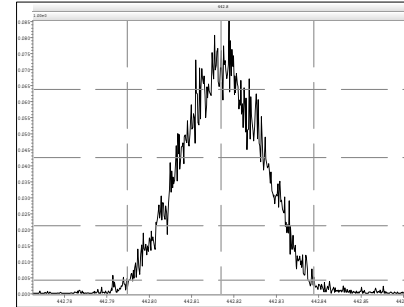
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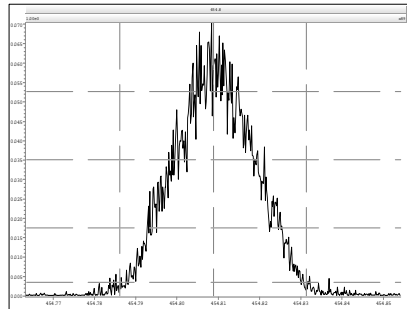
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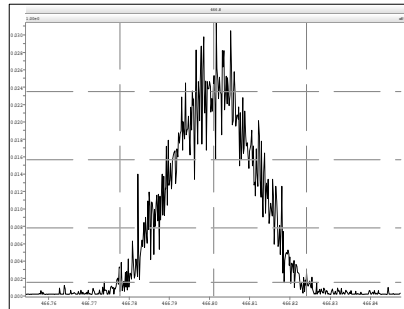
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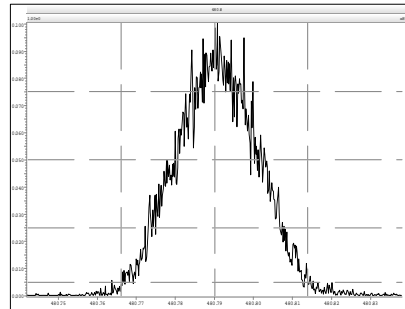
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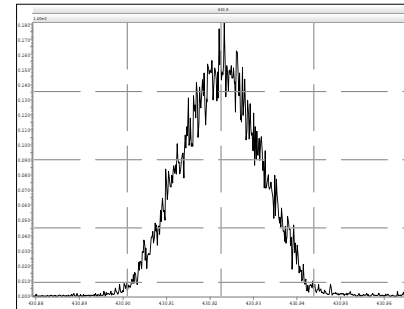
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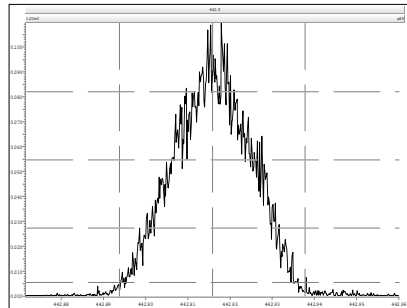
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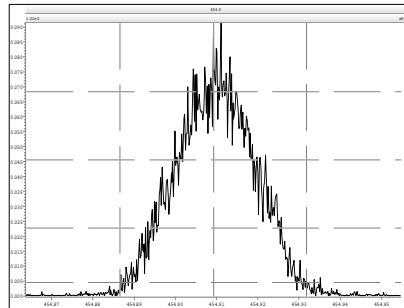
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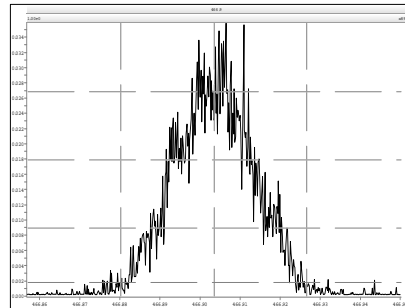
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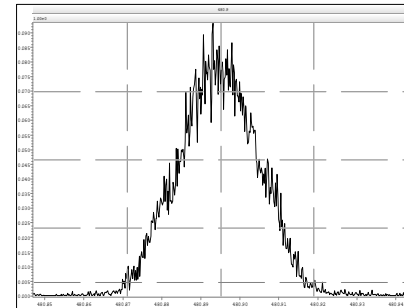
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M 466.9728 R 11135

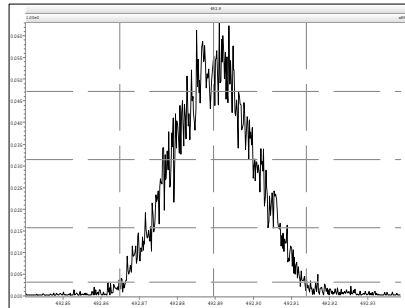


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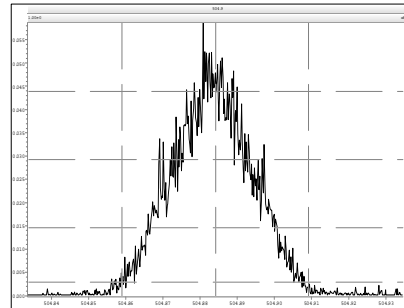


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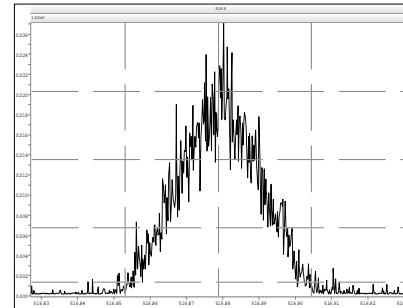
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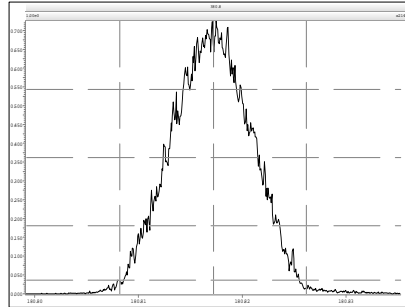
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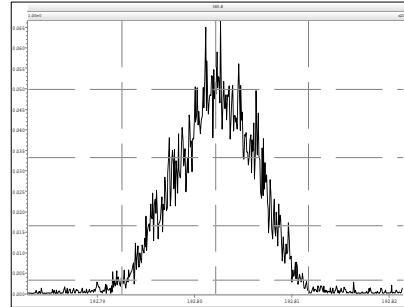
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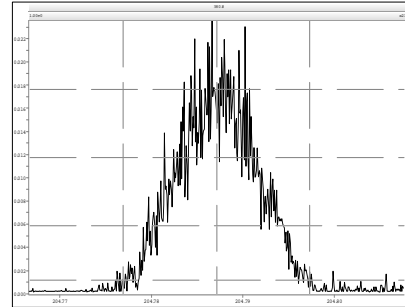
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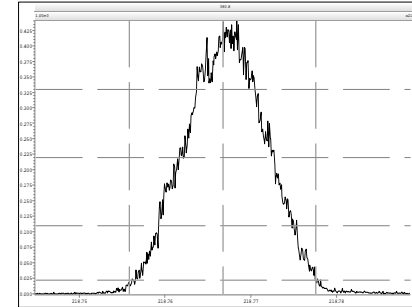
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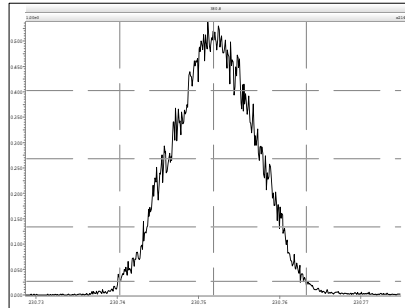
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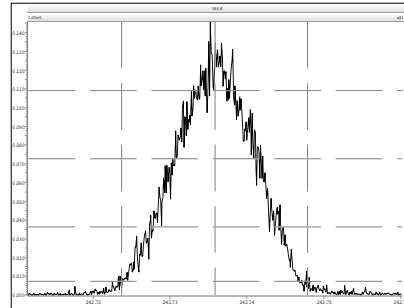
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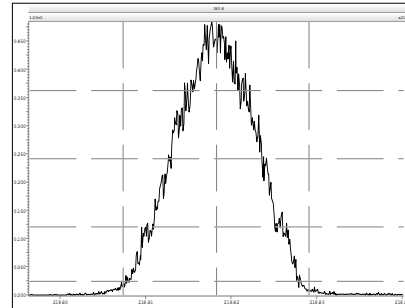
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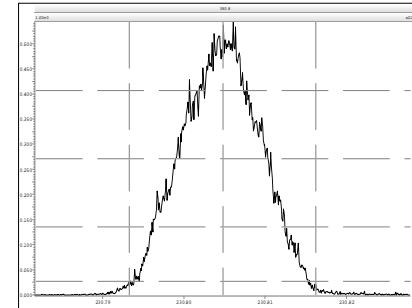
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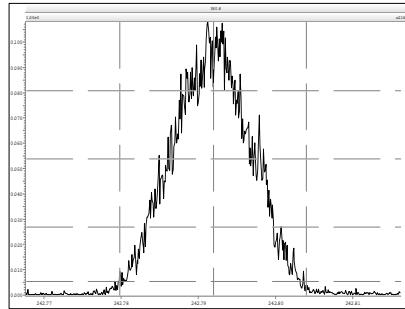
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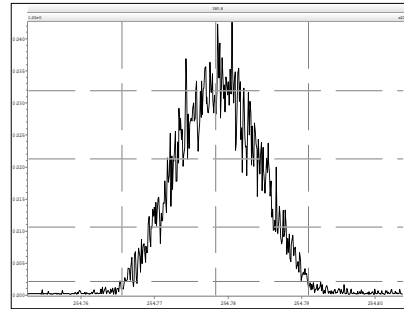
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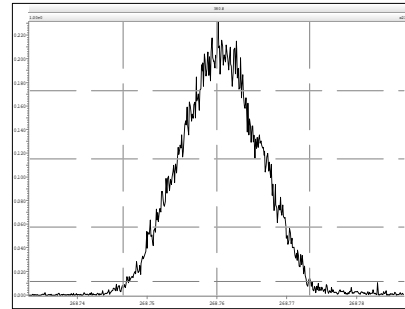
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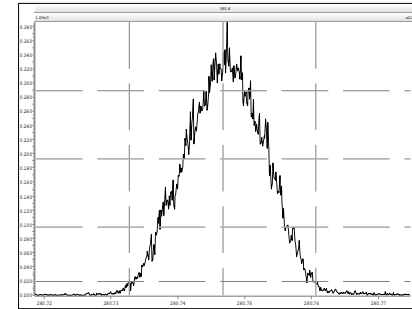
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M 280.9824 R 10439



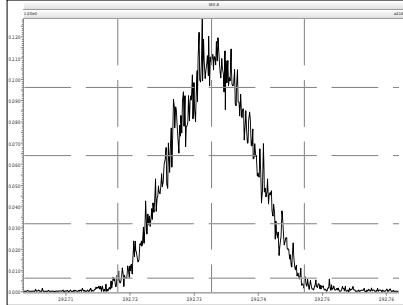
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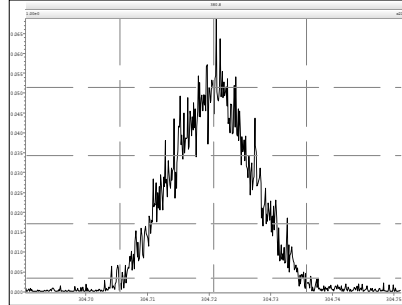
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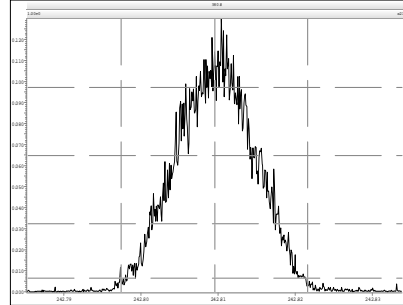
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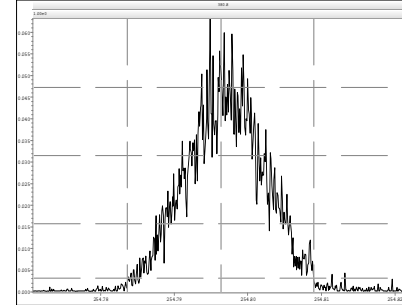
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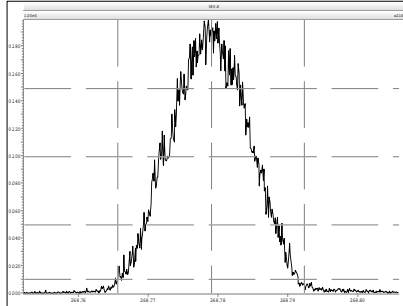
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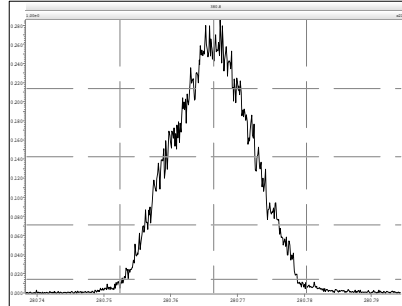
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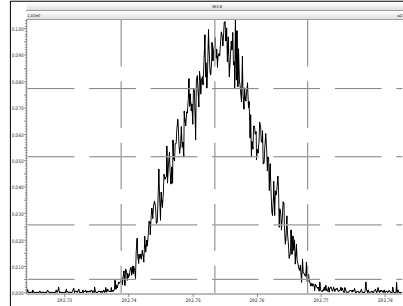
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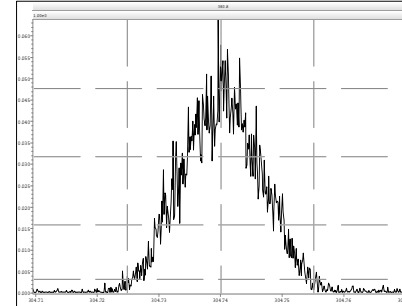
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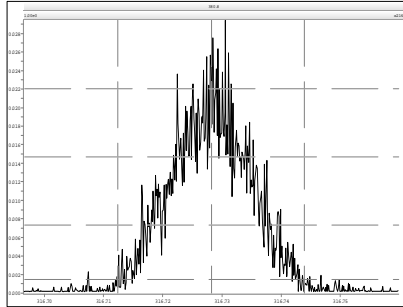
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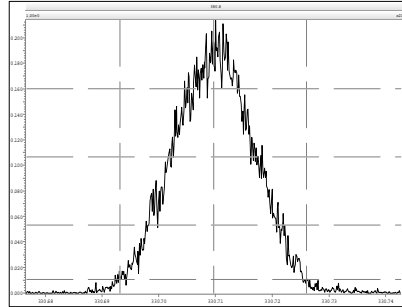
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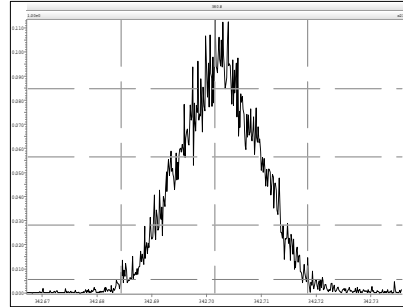
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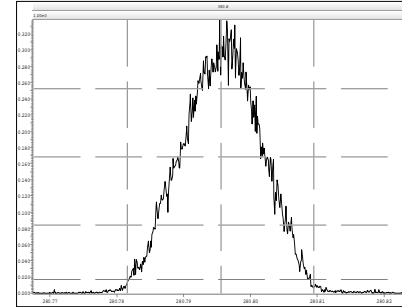
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M 342.9792 R 10684



M 280.9824 R 10508



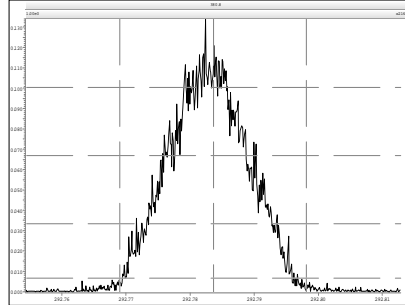
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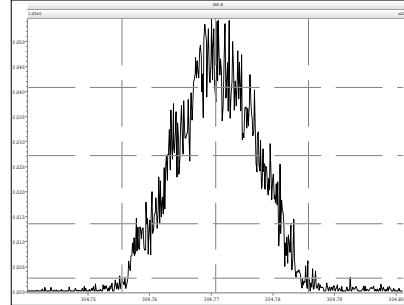
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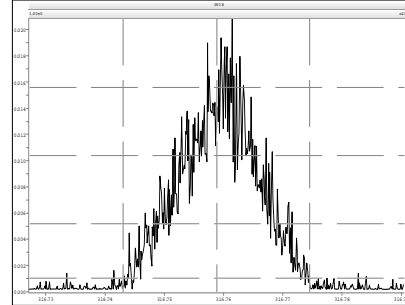
M 292.9824 R 11110



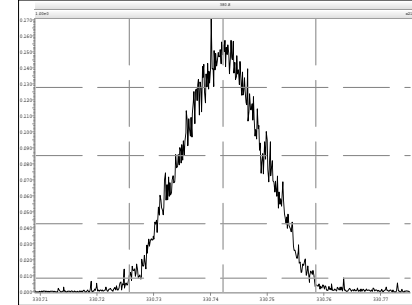
M 304.9824 R 10992



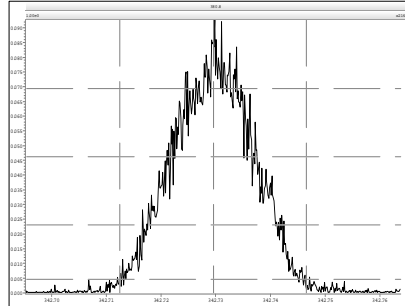
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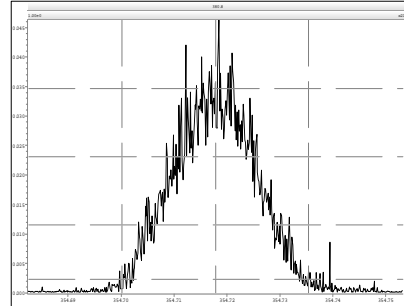
M 330.9792 R 10570



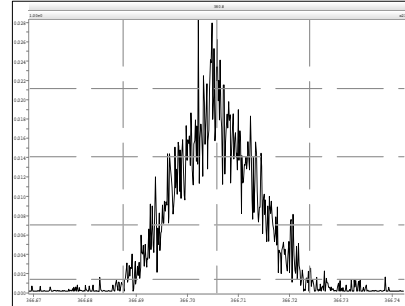
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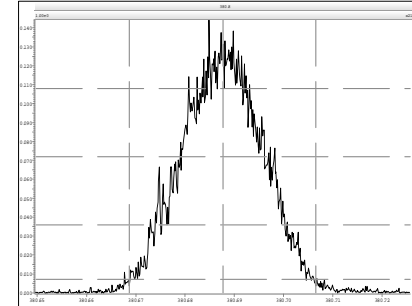
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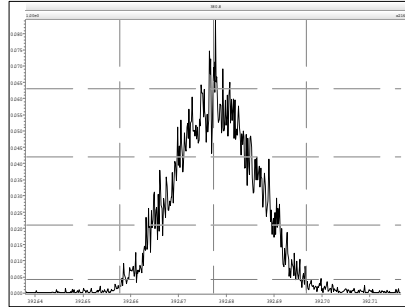
M 366.9792 R 11520



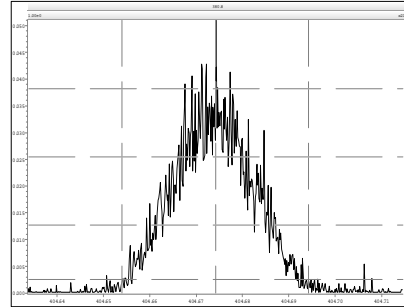
M 380.9760 R 10587



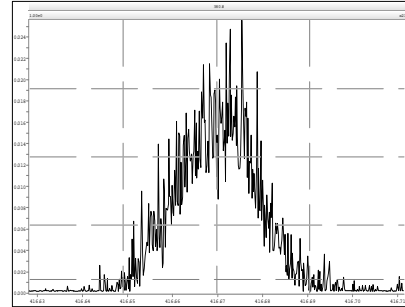
M 392.9760 R 10775



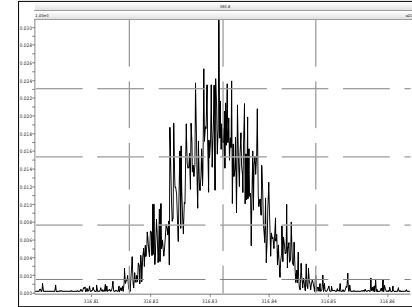
M 404.9760 R 11013



M 416.9760 R 11248



M 316.9824 R 11779



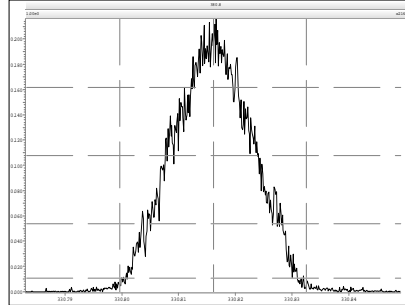
Resolution Check Report

MassLynx 4.1

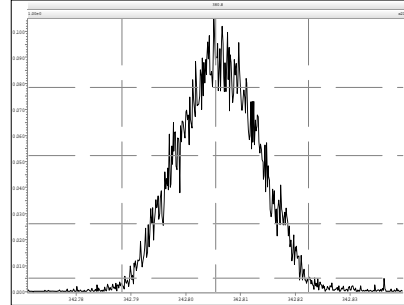
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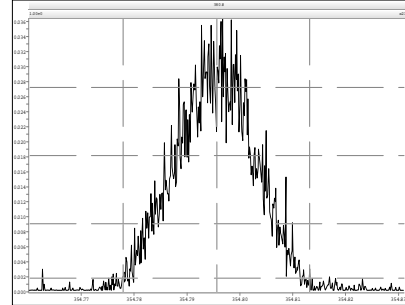
M 330.9792 R 10941



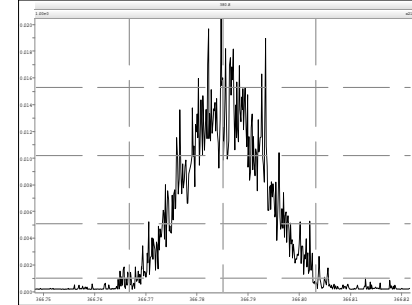
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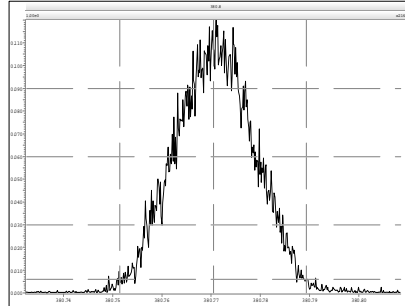
M 354.9792 R 11089



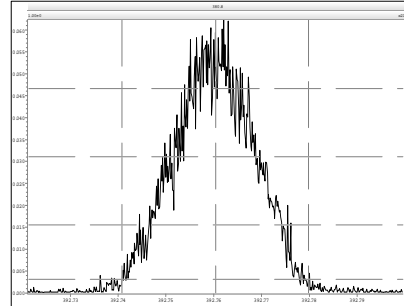
M 366.9792 R 10965



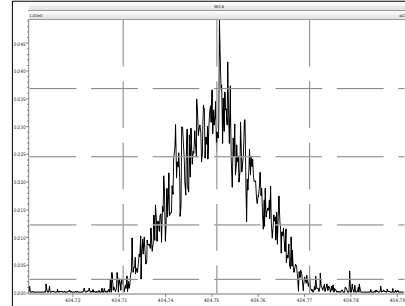
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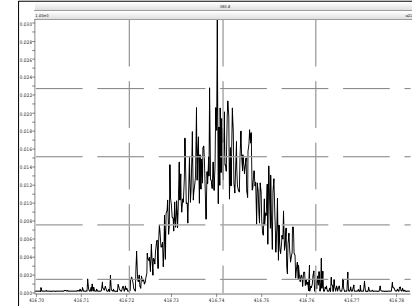
M 392.9760 R 10548



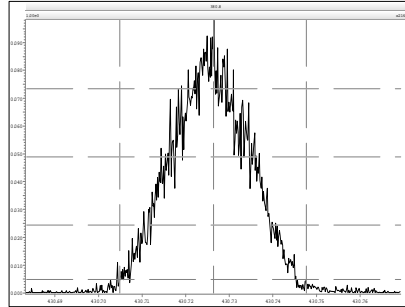
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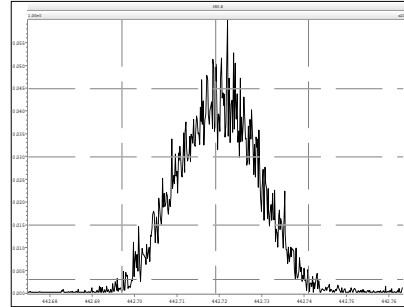
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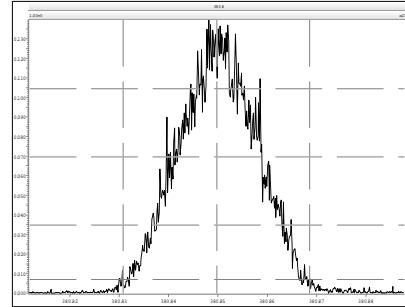
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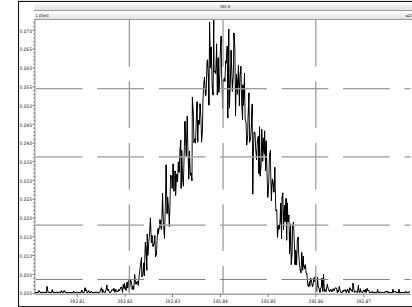
M 442.9728 R 10321



M 380.9760 R 11013



M 392.9760 R 11111



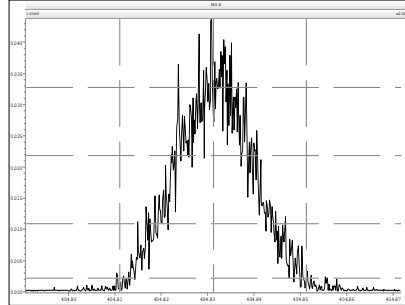
Resolution Check Report

MassLynx 4.1

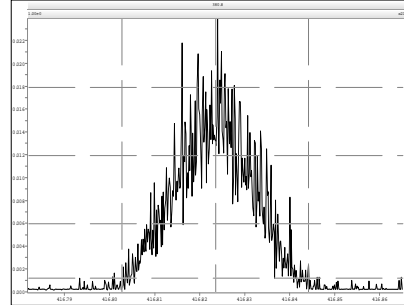
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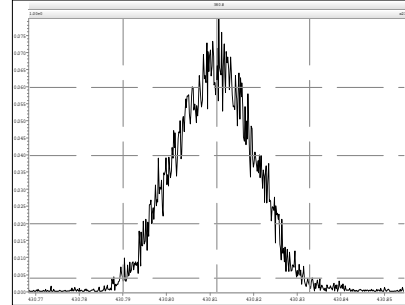
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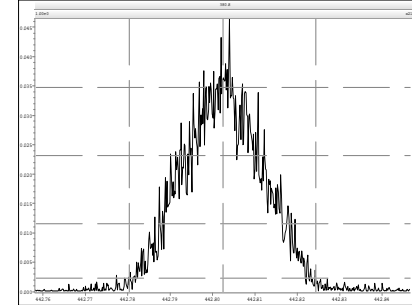
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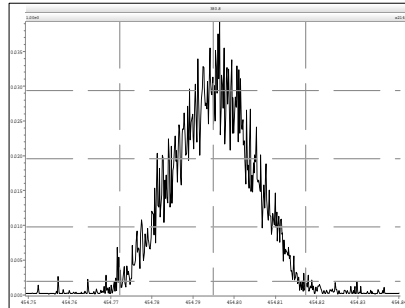
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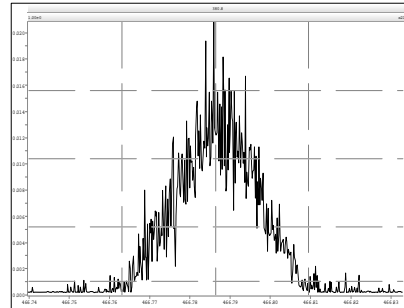
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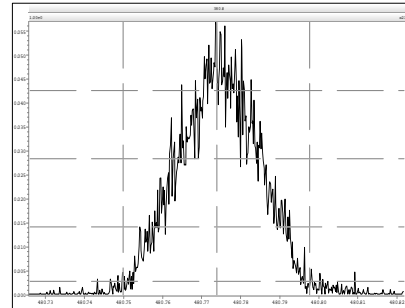
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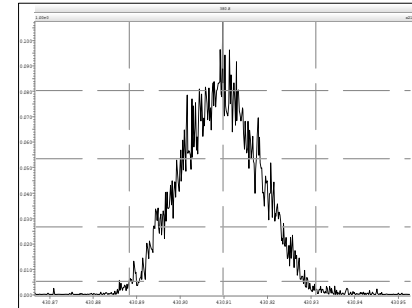
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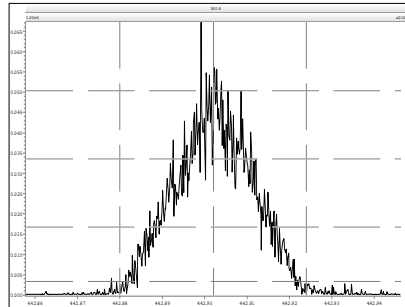
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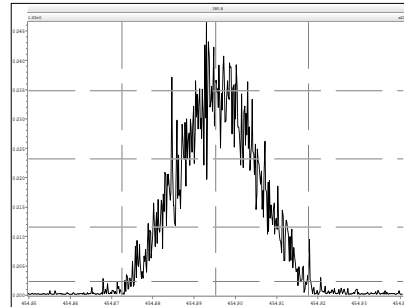
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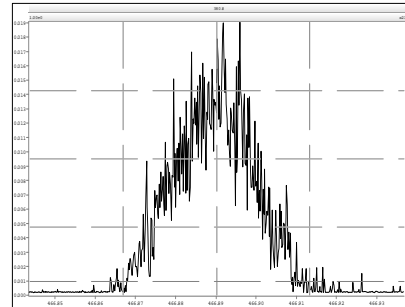
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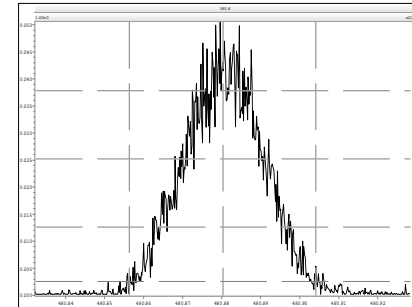
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M 466.9728 R 11235

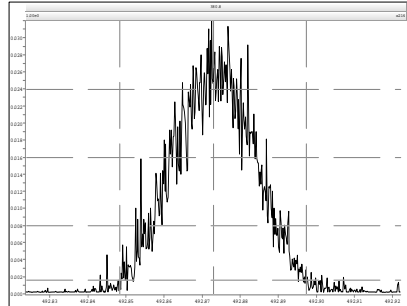


M 480.9696 R 10712

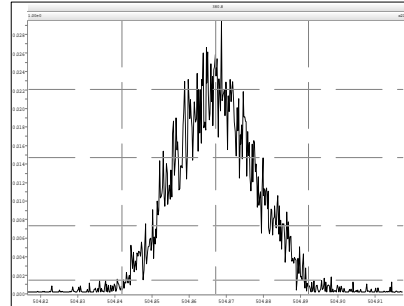


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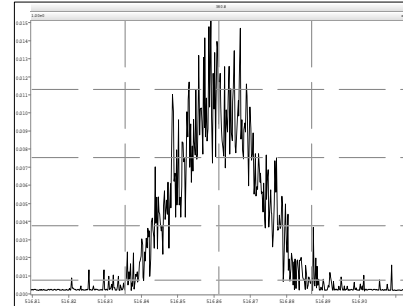
M 492.9696 R 10852



M 504.9696 R 11043



M 516.9697 R 11849



Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 13-Feb-2013										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
2378-TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
12378-PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
123478-HxCDD	1.02	5.1%	0.95	0.99	0.98	1.06	1.08	1.06	1.06	
123678-HxCDD	1.04	5.3%	0.99	1.00	0.98	1.03	1.07	1.07	1.13	
123789-HxCDD	0.98	3.9%	0.93	0.96	0.94	0.99	1.01	1.01	1.03	
1234678-HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
OCDD	1.08	4.7%	1.03	1.03	1.02	1.10	1.12	1.12	1.14	
2378-TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
12378-PeCDF	1.00	4.6%	0.94	0.97	0.95	0.98	1.02	1.05	1.06	
23478-PeCDF	0.96	5.6%	0.92	0.90	0.91	0.97	1.00	1.01	1.03	
123478-HxCDF	1.23	5.3%	1.15	1.17	1.18	1.25	1.28	1.29	1.31	
123678-HxCDF	1.14	4.3%	1.07	1.09	1.10	1.14	1.17	1.18	1.19	
234678-HxCDF	1.14	5.4%	1.11	1.06	1.08	1.15	1.18	1.20	1.23	
123789-HxCDF	1.13	3.8%	1.09	1.09	1.10	1.15	1.15	1.19	1.18	
1234678-HpCDF	1.34	6.3%	1.27	1.22	1.29	1.35	1.40	1.42	1.45	
1234789-HpCDF	1.30	5.9%	1.21	1.23	1.22	1.31	1.34	1.37	1.39	
OCDF	1.00	5.6%	0.93	0.94	0.96	1.01	1.05	1.06	1.05	
ES 2378-TCDD	1.01	2.0%	0.98	1.00	1.01	1.00	1.01	1.03	1.04	
ES 12378-PeCDD	0.90	6.3%	0.87	0.86	0.89	0.85	0.85	0.95	1.00	
ES 123478-HxCDD	0.99	5.5%	0.99	0.94	0.96	0.95	0.99	1.06	1.08	
ES 123678-HxCDD	1.02	5.0%	1.02	0.96	0.99	0.99	1.04	1.07	1.10	
ES 123789-HxCDD	1.12	6.2%	1.11	1.04	1.07	1.06	1.12	1.18	1.23	
ES 1234678-HpCDD	0.90	5.8%	0.89	0.86	0.85	0.88	0.91	0.93	1.01	
ES OCDD	0.74	6.8%	0.75	0.67	0.71	0.70	0.75	0.80	0.81	
ES 2378-TCDF	1.05	2.6%	1.04	1.03	1.04	1.04	1.05	1.07	1.11	
ES 12378-PeCDF	0.88	6.3%	0.86	0.85	0.86	0.82	0.86	0.93	0.98	
ES 23478-PeCDF	0.91	5.8%	0.90	0.87	0.90	0.89	0.85	0.99	0.98	
ES 123478-HxCDF	1.25	3.4%	1.26	1.20	1.22	1.21	1.25	1.29	1.32	
ES 123678-HxCDF	1.40	4.9%	1.40	1.32	1.34	1.35	1.42	1.48	1.50	
ES 234678-HxCDF	1.29	3.7%	1.29	1.25	1.26	1.26	1.30	1.33	1.38	
ES 123789-HxCDF	1.17	6.3%	1.13	1.10	1.11	1.12	1.17	1.24	1.29	
ES 1234678-HpCDF	1.03	4.3%	1.05	0.96	1.00	1.01	1.04	1.06	1.09	
ES 1234789-HpCDF	0.89	6.1%	0.89	0.84	0.84	0.84	0.88	0.93	0.98	
ES OCDF	1.00	7.7%	0.99	0.93	0.94	0.94	1.00	1.10	1.12	

Dioxin/Furan ICAL Summary			SGS Analytical Perspectives						Processed: 14 Feb 2013 09:42	
ICAL: MM1_11012010A_DF_13FEB2013										
Data Acquired: 18-Jun-2009										
Name	Mean	% RSD	130213P2-02	130213P2-03	130213P2-04	130213P2-05	130213P2-06	130213P2-07	130213P2-08	
			0.25 CS0	0.5 CS1	2.0 CS2	10 CS3	40 CS4	200 CS5	500 CS6	
CS 37C1-2378-TCDD	1.10	5.9%	-	1.15	1.01	1.07	1.09	1.17	-	
CS 12347-PeCDD	0.79	2.6%	0.81	0.79	0.81	0.78	0.76	0.80	0.81	
CS 12346-PeCDF	0.87	2.1%	0.89	0.88	0.88	0.86	0.85	0.84	0.87	
CS 123469-HxCDF	1.21	2.0%	1.26	1.19	1.22	1.21	1.21	1.20	1.19	
CS 1234689-HpCDF	0.89	2.3%	0.93	0.90	0.89	0.89	0.92	0.87	0.87	
SS 37C1-2378-TCDD	1.09	5.5%	-	1.15	1.00	1.07	1.09	1.14	-	
SS 12347-PeCDD	0.89	5.2%	0.94	0.92	0.91	0.91	0.88	0.84	0.81	
SS 12346-PeCDF	0.99	6.8%	1.04	1.04	1.02	1.04	0.98	0.91	0.88	
SS 123469-HxCDF	0.87	5.5%	0.90	0.91	0.91	0.90	0.85	0.81	0.79	
SS 1234689-HpCDF	0.87	5.3%	0.88	0.93	0.89	0.88	0.89	0.82	0.80	
AS 1368-TCDD	1.00	1.0%	1.00	1.01	1.00	0.99	0.98	0.99	1.00	
AS 1368-TCDF	1.20	1.0%	1.19	1.19	1.19	1.19	1.21	1.21	1.21	
OCDD-a	0.07	4.8%	-	-	0.06	0.06	0.07	0.07	0.07	
OCDF-a	0.06	3.9%	-	-	0.06	0.06	0.06	0.06	0.06	
Totals										
Total TCDD	1.06	4.1%	1.10	1.01	1.00	1.07	1.06	1.12	1.09	
Total PeCDD	0.94	6.0%	0.87	0.88	0.89	0.94	0.99	0.99	0.99	
Total HxCDD	1.01	4.6%	0.95	0.98	0.97	1.02	1.05	1.05	1.07	
Total HpCDD	1.02	4.8%	0.96	0.98	1.00	1.02	1.03	1.09	1.08	
Total TCDF	0.97	4.5%	0.99	0.92	0.91	0.98	0.98	1.02	1.02	
Total PeCDF	0.98	5.0%	0.93	0.94	0.93	0.97	1.01	1.03	1.04	
Total HxCDF	1.16	4.6%	1.10	1.10	1.12	1.17	1.19	1.22	1.23	
Total HpCDF	1.32	6.0%	1.24	1.23	1.26	1.33	1.37	1.39	1.42	
FS 1278-TCDD	1.18	2.2%	1.21	1.20	1.20	1.19	1.17	1.17	1.14	
FS 12478-PeCDD	1.07	4.0%	1.09	1.11	1.09	1.09	1.07	1.02	1.00	
FS 123468-HxCDD	1.29	6.9%	1.36	1.34	1.36	1.31	1.31	1.18	1.14	
FS 1234679-HpCDD	1.18	6.4%	1.27	1.21	1.25	1.20	1.20	1.11	1.05	
TS 1378-TCDD	1.12	2.2%	1.15	1.14	1.12	1.13	1.11	1.10	1.08	

WHO-2 PCB ICAL Summary		SGS Analytical Perspectives					Processed: 14 Feb 2013 09:42		
ICAL: MM1_11012010A_DF_13FEB2013									
Name	Mean	% RSD	0.50 #REF!	1.00 CS1	5.00 CS2	50 CS3	400 CS4	2000 CS5	
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#REF!	#DIV/0!	#DIV/0!							
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8290B ICALs

Ax	MM1-DF-010606- 25JAN06	MM1-DF-010606- 16MAR06	MM1_SIL4181_20OCT06	MM1_DF_091806B_06NO V06	MM1_DF_091806B_14MA R07	MM1_DF_091806B_31MA R07	MM1_DF_091806B_16AP R07	MM1_DF_07012007A_06 Aug07
2,3,7,8-TCDD	1	1.06	1.12	1.13	1.03	1.18	1.1	1.13
1,2,3,7,8-PeCDD	0.88	0.93	1.1	0.94	0.9	0.93	0.97	0.99
1,2,3,4,7,8-HxCDD	0.92	1	1.2	1.1	0.98	1.1	1.13	1.12
1,2,3,6,7,8-HxCDD	0.93	1.03	1.06	1.03	0.94	1.03	1.04	1
1,2,3,7,8,9-HxCDD	0.91	0.99	1.07	1	0.9	1.03	1	1.08
1,2,3,4,6,7,8-HpCDD	0.83	0.9	1.08	0.87	0.75	0.94	0.91	0.98
OCDD	0.98	1.04	1.1	0.9	0.81	0.93	0.94	1.1
2,3,7,8-TCDF	0.86	0.99	1.09	1.05	0.97	1.07	1.03	1.04
1,2,3,7,8-PeCDF	0.79	0.89	1.18	0.9	0.83	0.97	0.96	0.96
2,3,4,7,8-PeCDF	0.94	1.08	1.15	0.94	0.87	1	0.99	1
1,2,3,4,7,8-HxCDF	1.02	1.17	1.30	1.03	0.96	1.11	1.13	1.22
1,2,3,6,7,8-HxCDF	0.99	1.12	1.27	1.02	0.94	1.12	1.12	1.17
2,3,4,6,7,8-HxCDF	0.95	1.1	1.24	0.99	0.9	1.07	1.06	1.14
1,2,3,7,8,9-HxCDF	1.03	1.19	1.24	1.03	0.94	1.12	1.12	1.14
1,2,3,4,6,7,8-HpCDF	1.17	1.32	1.46	1.15	0.99	1.18	1.2	1.39
1,2,3,4,7,8,9-HpCDF	1.22	1.37	1.51	1.16	1	1.21	1.2	1.37
OCDF	0.86	0.99	1.07	0.78	0.72	0.86	0.83	0.95
ES								
2,3,7,8-TCDD	1.03	1.03	1.05	1.11	1.1	1.12	1.09	1.05
1,2,3,7,8-PeCDD	0.77	0.83	0.95	1.05	1.02	1	1.02	0.92
1,2,3,4,7,8-HxCDD	1.06	1.09	1.19	1.06	1.04	1.1	1.06	1.09
1,2,3,6,7,8-HxCDD	1.22	1.2	1.3	1.16	1.19	1.16	1.2	1.13
1,2,3,7,8,9-HxCDD	1.26	1.22	1.35	1.24	1.25	1.23	1.25	1.17
1,2,3,4,6,7,8-HpCDD	0.92	0.94	1.11	1.17	1.04	1.01	1.09	1.03
OCDD	0.7	0.68	0.86	0.98	0.8	0.72	0.83	0.68
2,3,7,8-TCDF	0.94	0.96	1.02	1.04	0.97	1.04	1	0.99
1,2,3,7,8-PeCDF	0.73	0.8	0.96	1.05	1.01	0.91	0.9	0.91
2,3,4,7,8-PeCDF	0.67	0.73	0.96	1.05	1.04	0.94	1	0.89
1,2,3,4,7,8-HxCDF	1.24	1.4	1.58	1.65	1.39	1.73	1.64	1.57
1,2,3,6,7,8-HxCDF	1.43	1.55	1.79	1.89	1.65	1.86	1.88	1.71
2,3,4,6,7,8-HxCDF	1.32	1.44	1.66	1.71	1.5	1.75	1.74	1.61
1,2,3,7,8,9-HxCDF	1.16	1.29	1.5	1.52	1.26	1.58	1.53	1.45
1,2,3,4,6,7,8-HpCDF	0.86	1.06	1.28	1.3	1.03	1.28	1.32	1.23
1,2,3,4,7,8,9-HpCDF	0.7	0.83	1.04	1.12	0.85	1.04	1.11	1.01
OCDF	0.85	0.95	1.2	1.39	1.05	1.08	1.26	1.06

8290B ICALs

Ax	MM1_DF_07012007A_26 DEC07	MM1_DF_07012007A_25 DEC08	MM1_DF_SIL4-18- 1_22NOV09	MM1_ical_122509	MM1_DF_03312010_250 CT10	MM1_DF_03312010A_25 DEC10	MM1_DF_7MAY11	MM1_DF_6JUN11
2,3,7,8-TCDD	1.14	1.08	1.11	1.23	1.27	1.21	1.12	1.22
1,2,3,7,8-PeCDD	1.03	1	1.04	1.14	1.16	1.06	0.99	1.03
1,2,3,4,7,8-HxCDD	1.16	1.08	1.19	1.19	1.22	1.17	1.21	1.16
1,2,3,6,7,8-HxCDD	1.04	0.94	1.06	1.09	1.09	1.04	1.05	1.02
1,2,3,7,8,9-HxCDD	1.1	0.99	1.08	1.08	1.12	1.09	1.08	1.06
1,2,3,4,6,7,8-HpCDD	1	0.97	1.05	1.04	1.09	1.03	0.98	1.02
OCDD	1.11	1.06	1.11	1.1	1.11	1.07	0.97	1.06
2,3,7,8-TCDF	1.15	1.05	1.06	1.13	1.24	1.14	1.00	1.09
1,2,3,7,8-PeCDF	1.05	0.98	1.14	1.16	1.10	1.01	0.95	1.00
2,3,4,7,8-PeCDF	1.09	1.01	1.1	1.13	1.20	1.10	1.02	1.08
1,2,3,4,7,8-HxCDF	1.28	1.22	1.26	1.26	1.34	1.27	1.18	1.25
1,2,3,6,7,8-HxCDF	1.2	1.15	1.24	1.25	1.33	1.24	1.15	1.22
2,3,4,6,7,8-HxCDF	1.18	1.13	1.19	1.18	1.27	1.18	1.09	1.16
1,2,3,7,8,9-HxCDF	1.19	1.12	1.23	1.2	1.32	1.22	1.13	1.20
1,2,3,4,6,7,8-HpCDF	1.42	1.37	1.41	1.39	1.44	1.39	1.29	1.44
1,2,3,4,7,8,9-HpCDF	1.4	1.32	1.46	1.42	1.52	1.43	1.34	1.48
OCDF	0.97	0.94	1.03	1.01	1.09	1.01	0.95	0.99
ES								
2,3,7,8-TCDD	1.02	0.99	1.04	1.04	1.04	1.05	1.01	1.02
1,2,3,7,8-PeCDD	0.96	0.83	0.91	0.96	1.11	0.98	0.78	0.94
1,2,3,4,7,8-HxCDD	1.12	1.08	1	1.01	1.02	1.05	1.00	1.02
1,2,3,6,7,8-HxCDD	1.23	1.23	1.14	1.14	1.18	1.20	1.30	1.21
1,2,3,7,8,9-HxCDD	1.23	1.21	1.14	1.14	1.18	1.19	1.25	1.18
1,2,3,4,6,7,8-HpCDD	1.14	0.98	0.99	0.98	0.99	0.94	0.96	0.88
OCDD	0.72	0.66	0.7	0.76	0.75	0.75	0.76	0.67
2,3,7,8-TCDF	0.94	0.96	1	0.94	1.00	1.00	0.98	1.02
1,2,3,7,8-PeCDF	0.97	0.85	0.93	0.95	1.12	0.92	0.78	0.93
2,3,4,7,8-PeCDF	0.97	0.88	0.94	0.9	1.10	0.90	0.76	0.89
1,2,3,4,7,8-HxCDF	1.66	1.47	1.35	1.5	1.59	1.60	1.55	1.52
1,2,3,6,7,8-HxCDF	1.99	1.78	1.53	1.63	1.76	1.80	1.85	1.80
2,3,4,6,7,8-HxCDF	1.77	1.61	1.45	1.5	1.67	1.67	1.72	1.65
1,2,3,7,8,9-HxCDF	1.57	1.4	1.25	1.32	1.39	1.39	1.37	1.38
1,2,3,4,6,7,8-HpCDF	1.35	1.16	1.17	1.11	1.21	1.20	1.14	1.12
1,2,3,4,7,8,9-HpCDF	1.09	0.92	0.93	0.92	1.03	0.96	0.89	0.90
OCDF	1.16	1.04	1.02	1.07	1.16	1.14	1.05	1.03

8290B ICALs

Ax	MM1_DF_03312010A_13 SEP11	MM1_DF_03312010A_23 SEP11	MM1_11012012A_DF_13 FEB2013	RSD	Mean	sd	PD from Mean
2,3,7,8-TCDD	1.19	1.14	1.06	5.6	1.13	0.06	1%
1,2,3,7,8-PeCDD	1.07	1.03	0.94	6.5	1.01	0.07	2%
1,2,3,4,7,8-HxCDD	1.16	1.09	1.02	6.6	1.11	0.07	-2%
1,2,3,6,7,8-HxCDD	1.00	1.00	1.04	5.6	1.05	0.06	-5%
1,2,3,7,8,9-HxCDD	1.07	1.04	0.98	5.6	1.02	0.06	2%
1,2,3,4,6,7,8-HpCDD	1.02	1.00	1.02	7.5	0.97	0.07	3%
OCDD	1.05	1.07	1.08	7.3	1.02	0.07	5%
2,3,7,8-TCDF	1.07	1.03	0.97	7.4	1.04	0.08	-1%
1,2,3,7,8-PeCDF	0.95	0.96	1.00	9.0	1.00	0.09	-3%
2,3,4,7,8-PeCDF	1.03	1.04	0.96	7.1	1.03	0.07	1%
1,2,3,4,7,8-HxCDF	1.21	1.20	1.23	7.9	1.18	0.09	3%
1,2,3,6,7,8-HxCDF	1.18	1.18	1.14	7.1	1.16	0.08	2%
2,3,4,6,7,8-HxCDF	1.12	1.12	1.14	7.7	1.11	0.09	0%
1,2,3,7,8,9-HxCDF	1.17	1.17	1.13	6.6	1.14	0.08	2%
1,2,3,4,6,7,8-HpCDF	1.34	1.34	1.34	8.0	1.34	0.11	0%
1,2,3,4,7,8,9-HpCDF	1.37	1.38	1.30	8.4	1.34	0.11	3%
OCDF	0.98	0.98	1.00	8.4	0.96	0.08	2%
ES							
2,3,7,8-TCDD	1.05	1.02	1.01	5.1	1.08	0.05	-5%
1,2,3,7,8-PeCDD	0.92	0.86	0.90	8.5	0.94	0.08	-9%
1,2,3,4,7,8-HxCDD	1.03	1.04	0.99	4.0	1.05	0.04	-1%
1,2,3,6,7,8-HxCDD	1.16	1.18	1.02	5.9	1.16	0.07	2%
1,2,3,7,8,9-HxCDD	1.17	1.16	1.12	4.3	1.21	0.05	-4%
1,2,3,4,6,7,8-HpCDD	1.00	0.94	0.90	9.0	0.97	0.09	-4%
OCDD	0.85	0.72	0.74	11.3	0.76	0.09	-6%
2,3,7,8-TCDF	1.00	1.01	1.05	3.3	1.00	0.03	1%
1,2,3,7,8-PeCDF	0.87	0.85	0.88	10.3	0.88	0.09	-3%
2,3,4,7,8-PeCDF	0.88	0.85	0.91	10.3	0.90	0.09	-6%
1,2,3,4,7,8-HxCDF	1.41	1.41	1.25	8.9	1.50	0.13	-7%
1,2,3,6,7,8-HxCDF	1.54	1.58	1.40	9.7	1.67	0.16	-5%
2,3,4,6,7,8-HxCDF	1.49	1.48	1.29	8.5	1.56	0.13	-5%
1,2,3,7,8,9-HxCDF	1.34	1.32	1.17	9.2	1.34	0.12	-2%
1,2,3,4,6,7,8-HpCDF	1.13	1.10	1.03	11.0	1.13	0.12	-3%
1,2,3,4,7,8,9-HpCDF	0.96	0.90	0.89	12.7	0.92	0.12	-2%
OCDF	1.22	1.09	1.00	12.6	1.08	0.14	1%

SGS Analytical Perspectives — Run Log

Project: MM1_11012010A_DF_13FEB2013

Instrument: MM1 (AutoSpec-Ultima)

MS Experiment: DF_CL4-8B

GC Program: DB5MS_60M

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	130213P2-01	15	SBS_121125_DF_PA	1.00	solvent blank	MDC	739-254	13-FEB-2013	12:51:22
2	130213P2-02	16	CS0	1.00	11012012A	MDC	998-880	13-FEB-2013	13:42:35
3	130213P2-03	17	CS1	1.00	11012012A	MDC	486-134	13-FEB-2013	14:33:42
4	130213P2-04	18	CS2	1.00	11012012A	MDC	353-190	13-FEB-2013	15:24:55
5	130213P2-05	19	CS3	1.00	11012012A	MDC	004-944	13-FEB-2013	16:16:03
6	130213P2-06	20	CS4	1.00	11012012A	MDC	964-013	13-FEB-2013	17:07:16
7	130213P2-07	21	CS5	1.00	11012012A	MDC	585-479	13-FEB-2013	17:58:29
8	130213P2-08	22	CS6	1.00	11012012A	MDC	376-060	13-FEB-2013	18:49:36

REVIEWED

By Michael D H Chu at 10:46 am, Feb 14, 2013

APPROVED

By Jeremy Kadylak at 1:25 pm, Feb 14, 2013

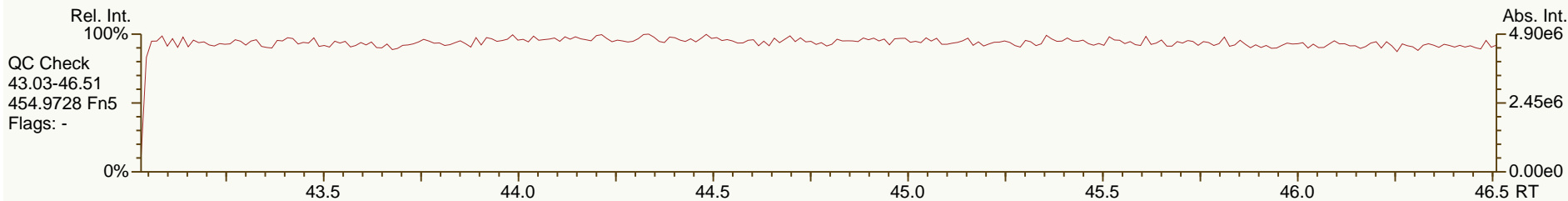
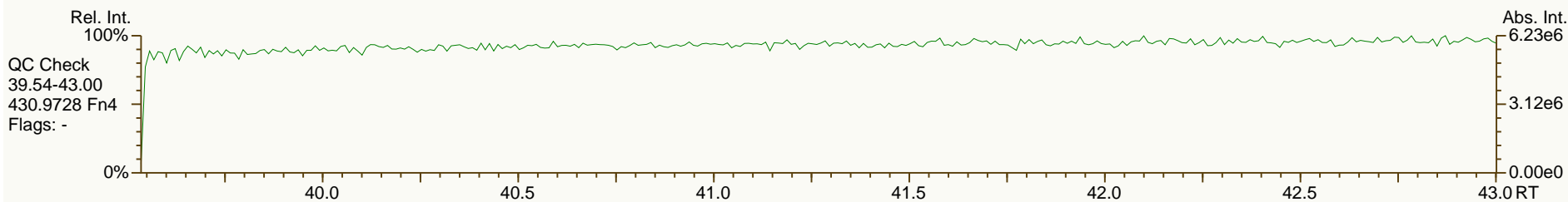
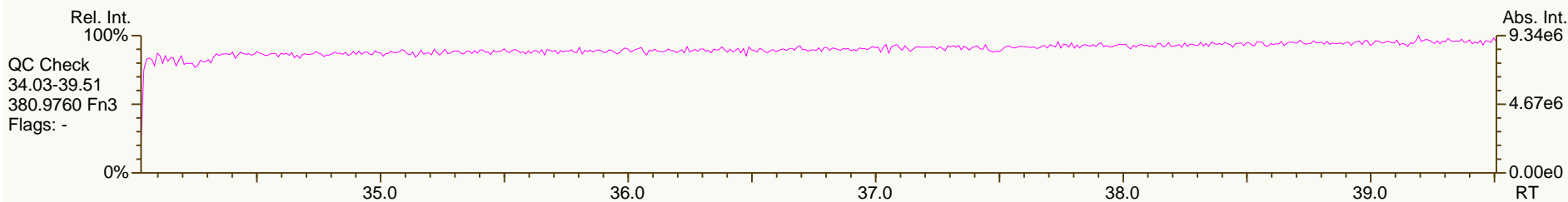
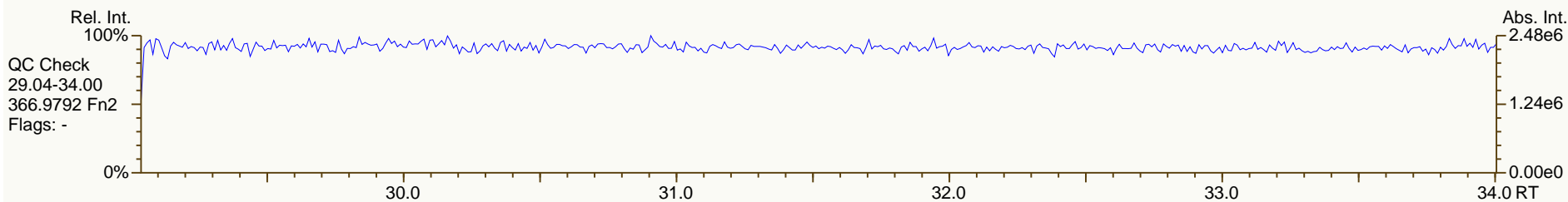
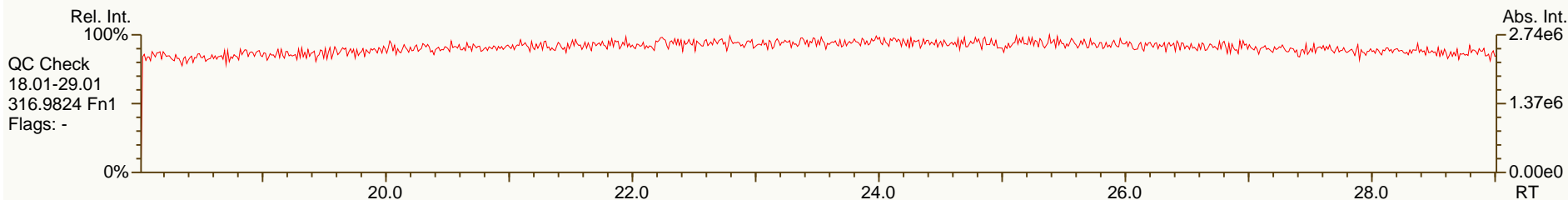
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880-ZMH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	9.68E+04	0.88	Y	1.06	1.10	3%
12378-PeCDD	32.70	3.38E+05	1.48	Y	0.94	0.87	-8%
123478-HxCDD	37.44	2.93E+05	1.22	Y	1.02	0.95	-8%
123678-HxCDD	37.58	3.14E+05	1.22	Y	1.04	0.99	-5%
123789-HxCDD	37.91	3.25E+05	1.35	Y	0.98	0.93	-5%
1234678-HpCDD	41.75	2.69E+05	1.12	Y	1.02	0.96	-6%
OCDD	45.27	4.80E+05	0.93	Y	1.08	1.03	-5%
2378-TCDF	25.12	1.28E+05	0.88	Y	0.97	0.99	2%
12378-PeCDF	30.91	5.05E+05	1.54	Y	1.00	0.94	-5%
23478-PeCDF	32.27	5.15E+05	1.52	Y	0.96	0.92	-5%
123478-HxCDF	36.24	4.56E+05	1.26	Y	1.23	1.15	-7%
123678-HxCDF	36.41	4.69E+05	1.23	Y	1.14	1.07	-6%
234678-HxCDF	37.21	4.51E+05	1.27	Y	1.14	1.11	-3%
123789-HxCDF	38.33	3.86E+05	1.20	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	4.17E+05	1.04	Y	1.34	1.27	-5%
1234789-HpCDF	42.31	3.36E+05	1.15	Y	1.30	1.21	-7%
OCDF	45.49	5.76E+05	0.83	Y	1.00	0.93	-7%
ES 2378-TCDD	26.15	3.53E+07	0.79	Y	1.01	0.98	-3%
ES 12378-PeCDD	32.68	3.12E+07	1.59	Y	0.90	0.87	-3%
ES 123478-HxCDD	37.42	2.48E+07	1.26	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.56	2.55E+07	1.24	Y	1.02	1.02	-1%
ES 123789-HxCDD	37.90	2.79E+07	1.27	Y	1.12	1.11	0%
ES 1234678-HpCDD	41.74	2.24E+07	1.06	Y	0.90	0.89	-1%
ES OCDD	45.25	3.74E+07	0.89	Y	0.74	0.75	0%
ES 2378-TCDF	25.10	5.19E+07	0.79	Y	1.05	1.04	-2%
ES 12378-PeCDF	30.89	4.28E+07	1.56	Y	0.88	0.86	-3%
ES 23478-PeCDF	32.25	4.49E+07	1.54	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.22	3.17E+07	0.52	Y	1.25	1.26	1%
ES 123678-HxCDF	36.39	3.52E+07	0.52	Y	1.40	1.40	0%
ES 234678-HxCDF	37.19	3.24E+07	0.52	Y	1.29	1.29	0%
ES 123789-HxCDF	38.31	2.84E+07	0.52	Y	1.17	1.13	-3%
ES 1234678-HpCDF	40.29	2.63E+07	0.43	Y	1.03	1.05	2%
ES 1234789-HpCDF	42.30	2.23E+07	0.45	Y	0.89	0.89	0%
ES OCDF	45.47	4.94E+07	0.89	Y	1.00	0.99	-2%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 13:42 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS0		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 998-880		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-02		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.00E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.78	1.25E+07	1.25	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.79	0.81	3%
CS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.87	0.89	3%
CS 123469-HxCDF	36.76	3.16E+07	0.51	Y	1.21	1.26	4%
CS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.89	0.93	3%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.07	2.92E+07	1.59	Y	0.89	0.94	6%
SS 12346-PeCDF	30.25	4.44E+07	1.57	Y	0.99	1.04	5%
SS 123469-HxCDF	36.76	3.16E+07	0.51	Y	0.87	0.90	4%
SS 1234689-HpCDF	40.93	2.32E+07	0.44	Y	0.87	0.88	1%
AS 1368-TCDD	21.76	3.61E+07	0.78	Y	1.00	1.00	1%
AS 1368-TCDF	19.70	5.93E+07	0.77	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.29E+07	0.79	Y	1.18	1.21	3%
FS 12478-PeCDD	31.20	3.42E+07	1.58	Y	1.07	1.09	3%
FS 123468-HxCDD	36.15	3.37E+07	1.26	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.72	2.83E+07	1.02	Y	1.18	1.27	7%
TS 1378-TCDD	24.16	4.07E+07	0.79	Y	1.12	1.15	3%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

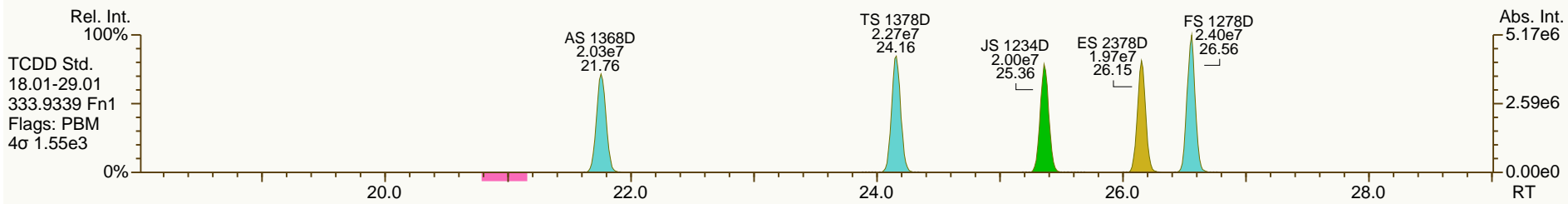
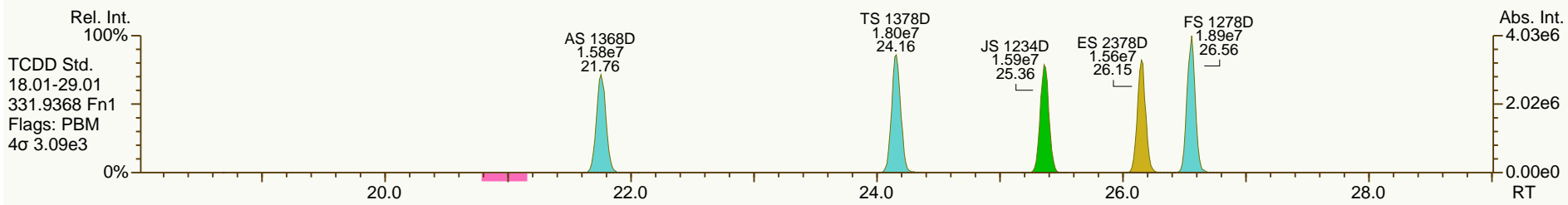
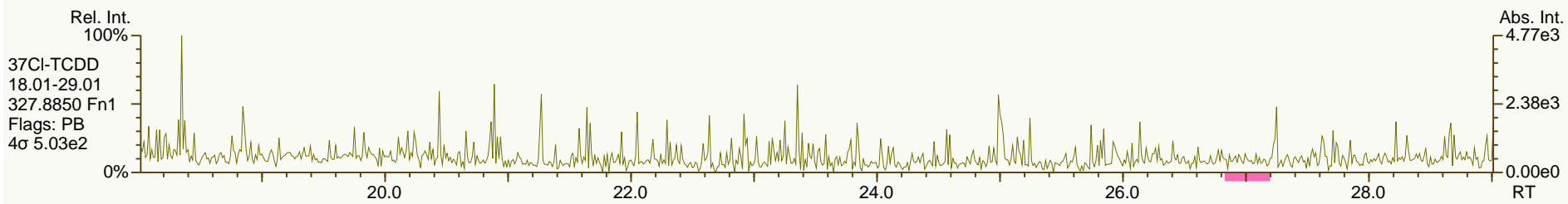
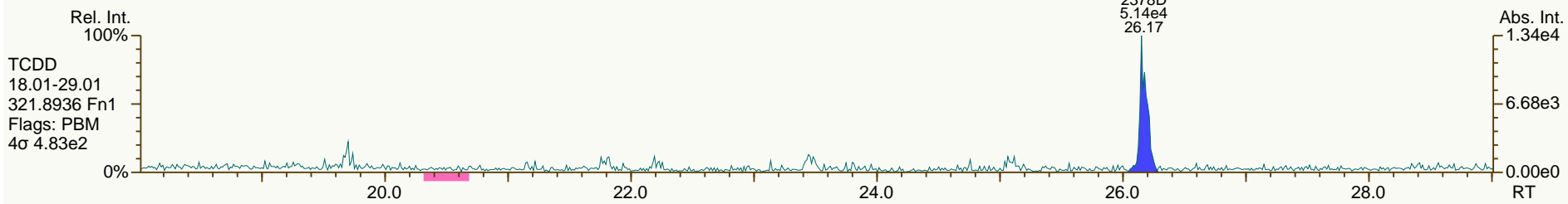
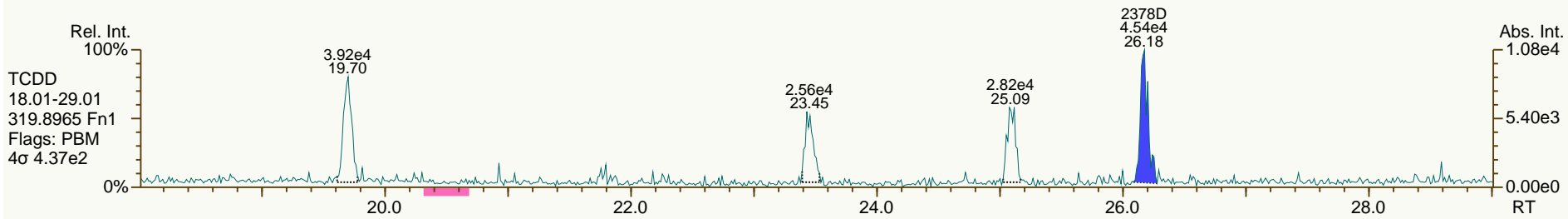
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

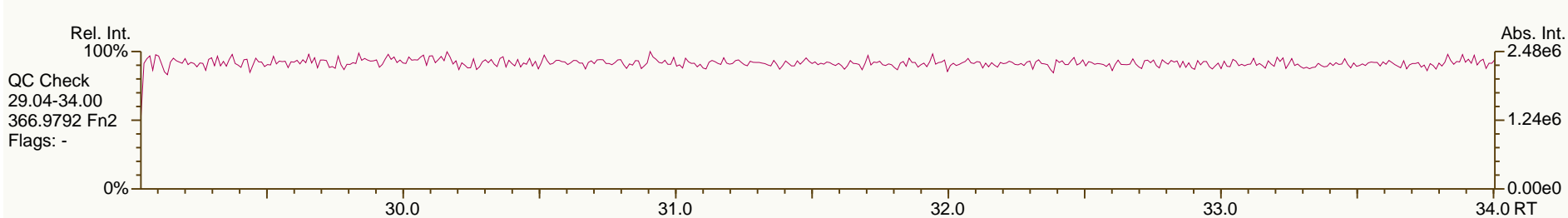
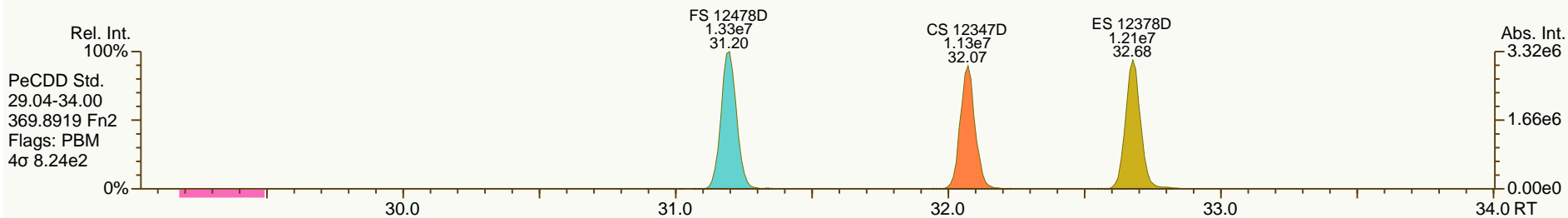
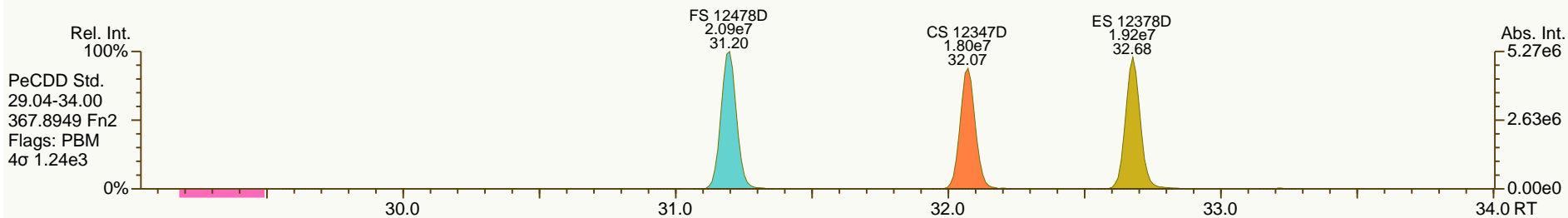
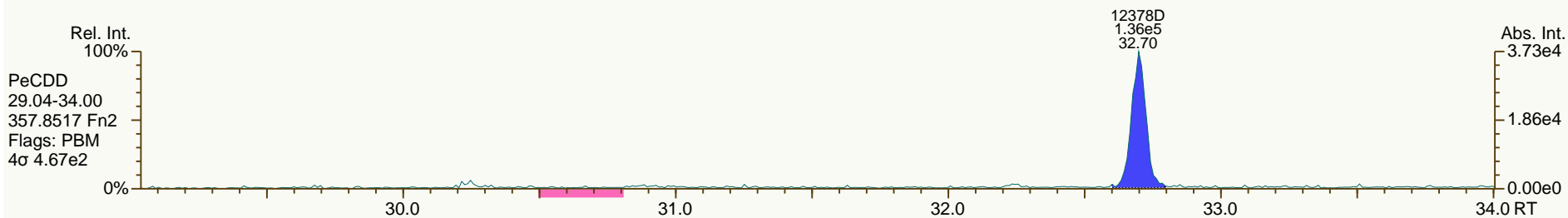
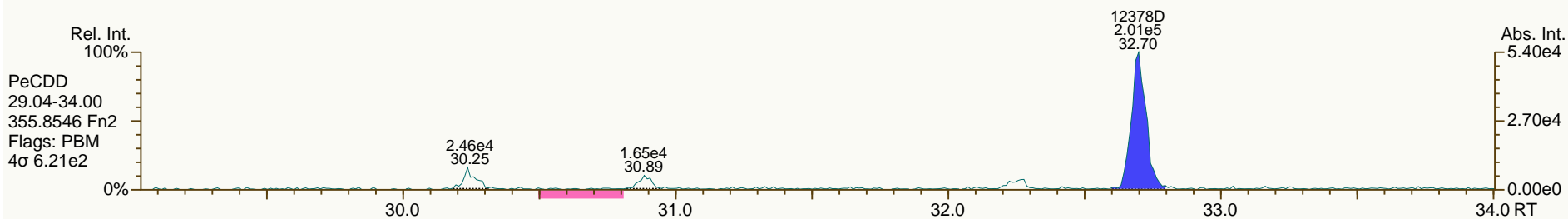
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

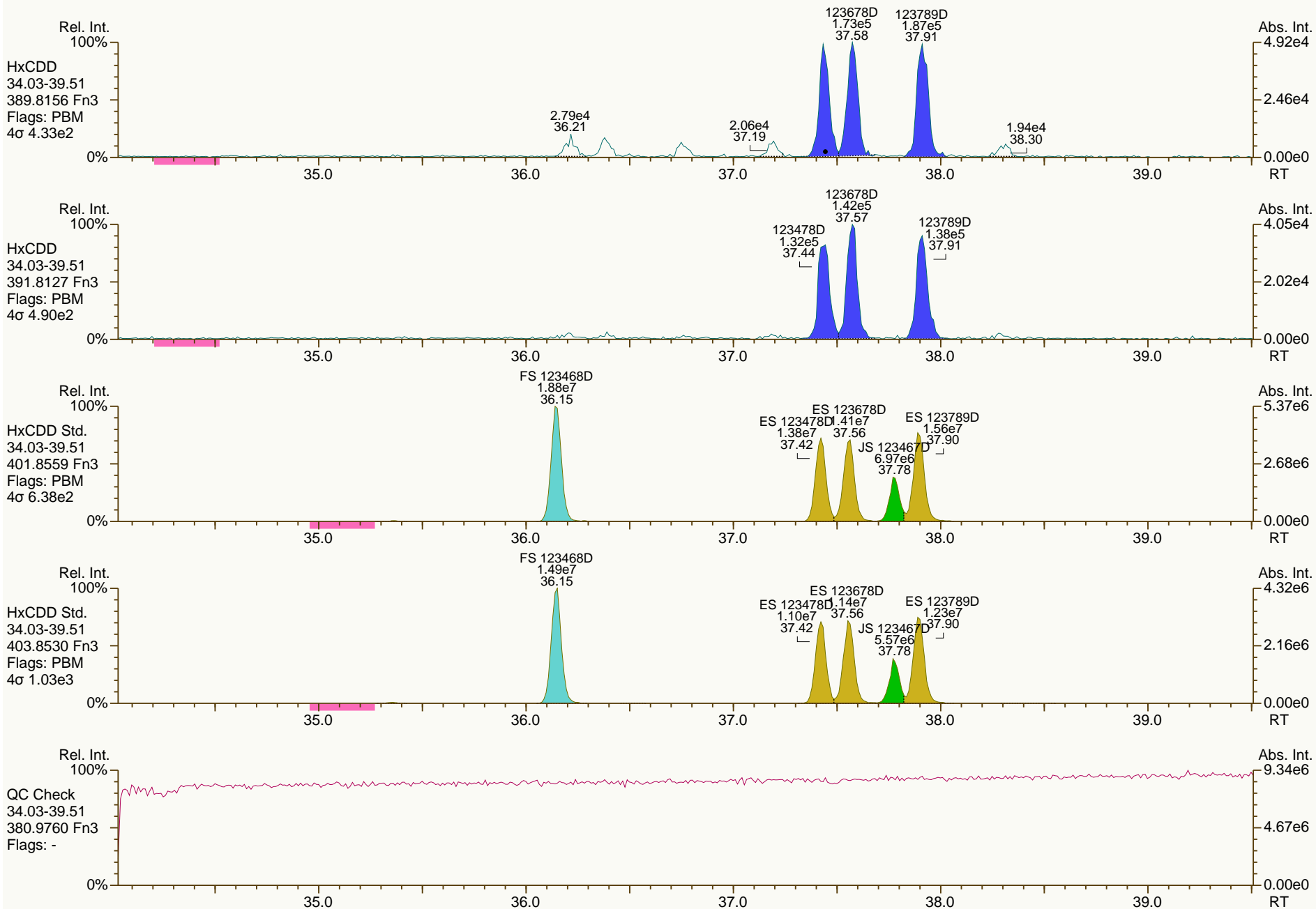
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

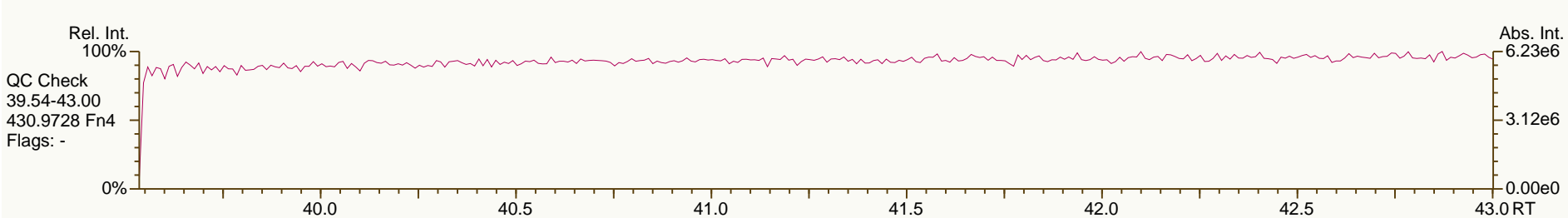
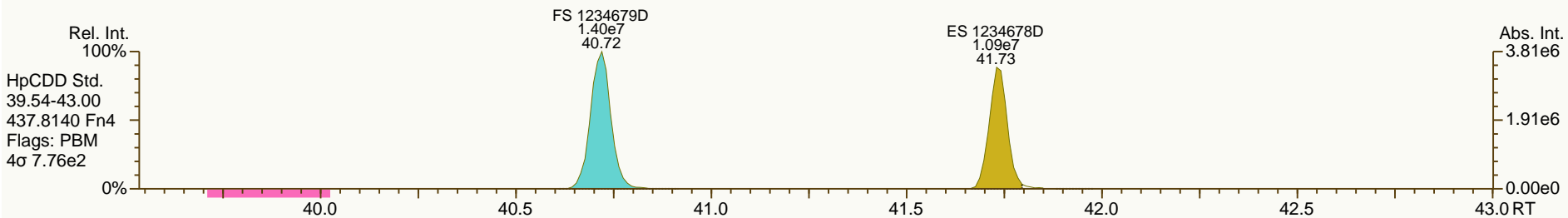
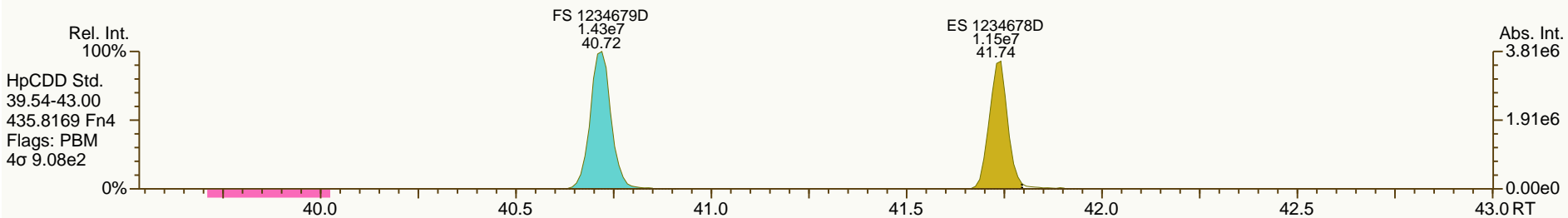
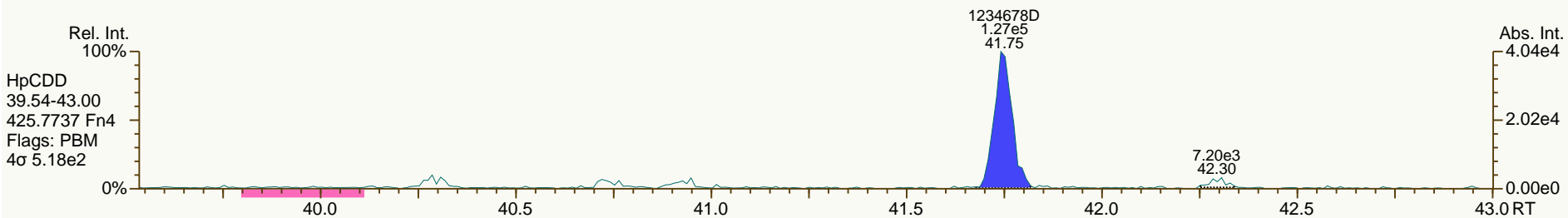
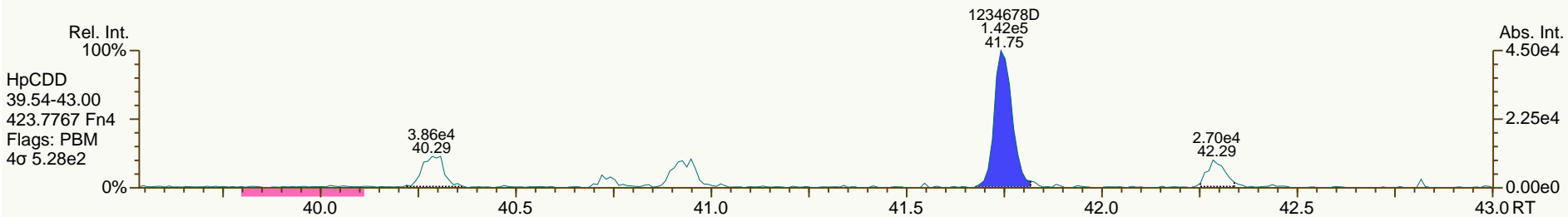
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

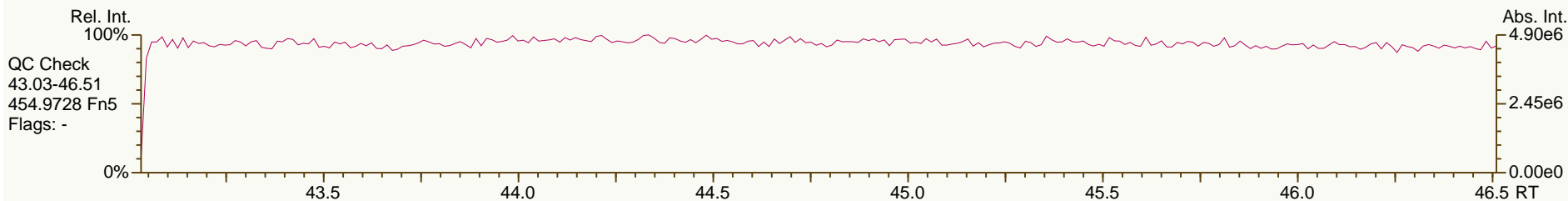
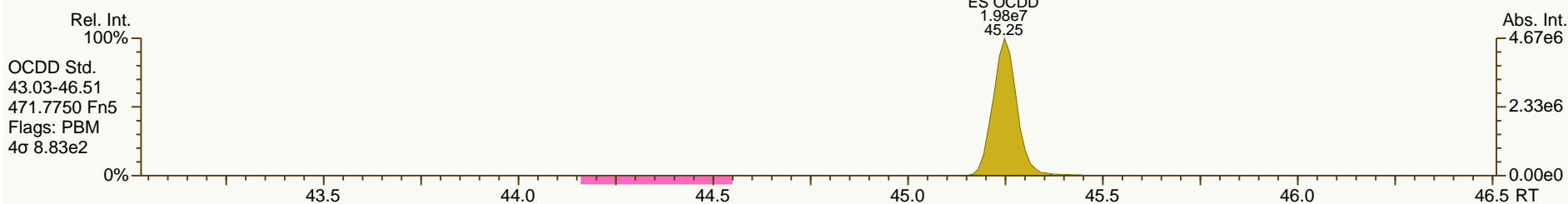
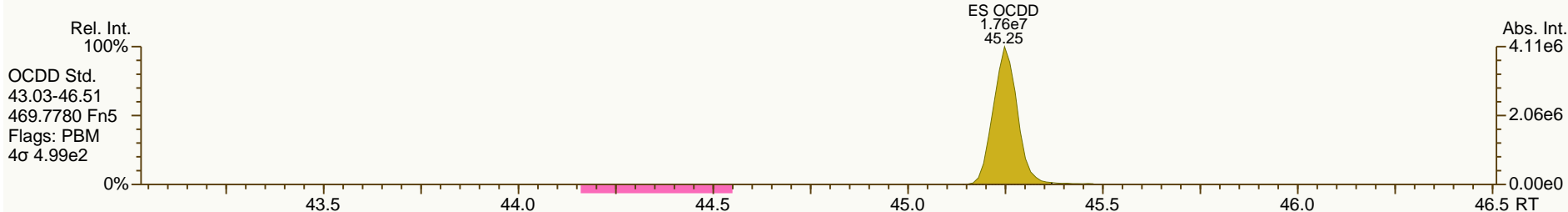
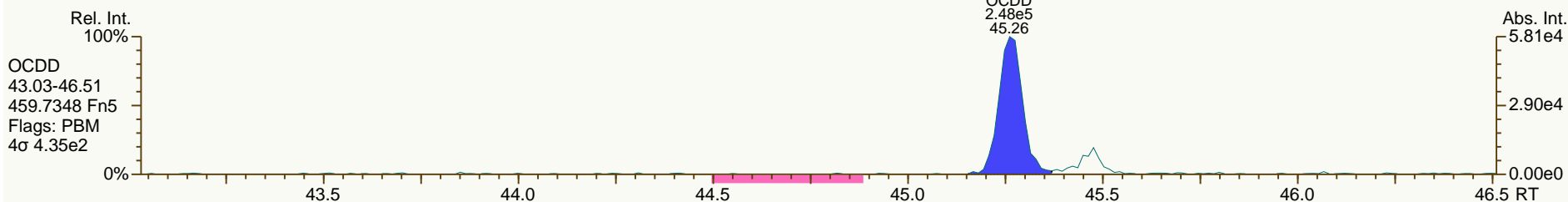
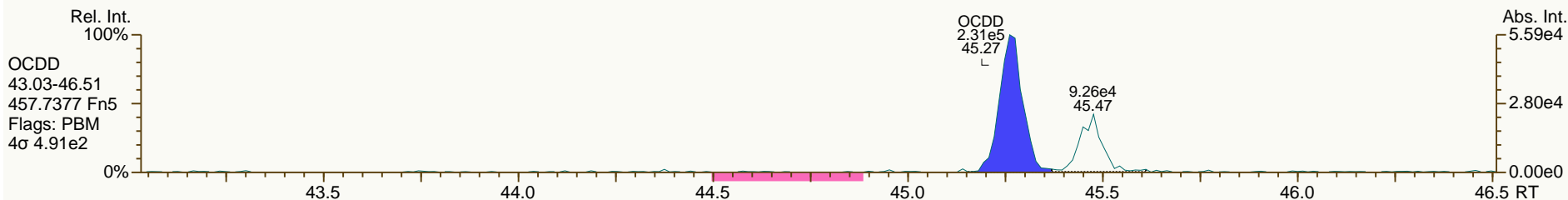
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

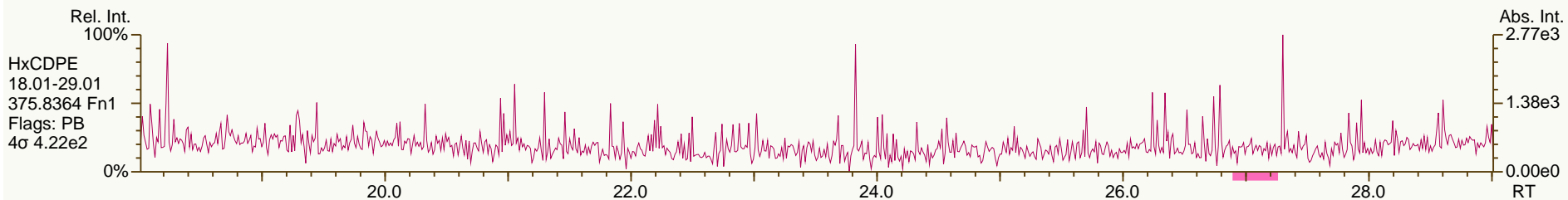
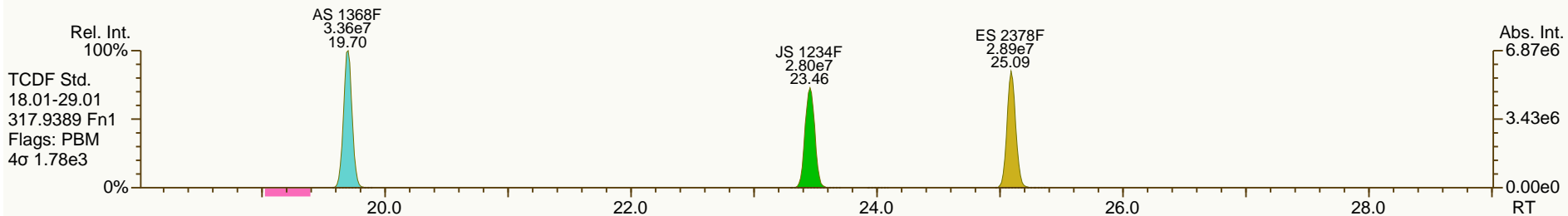
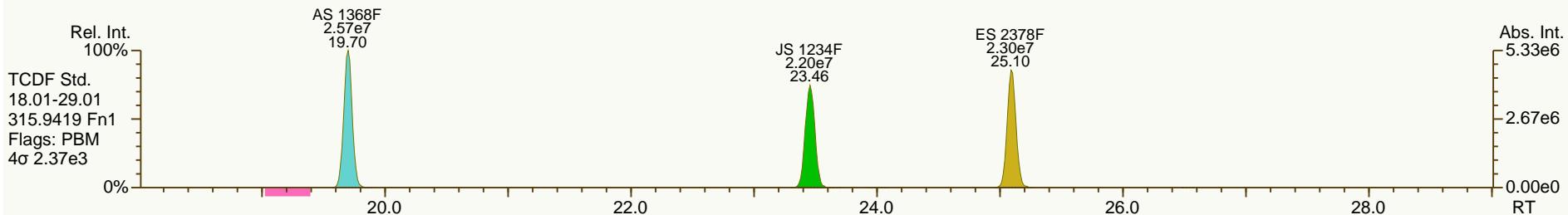
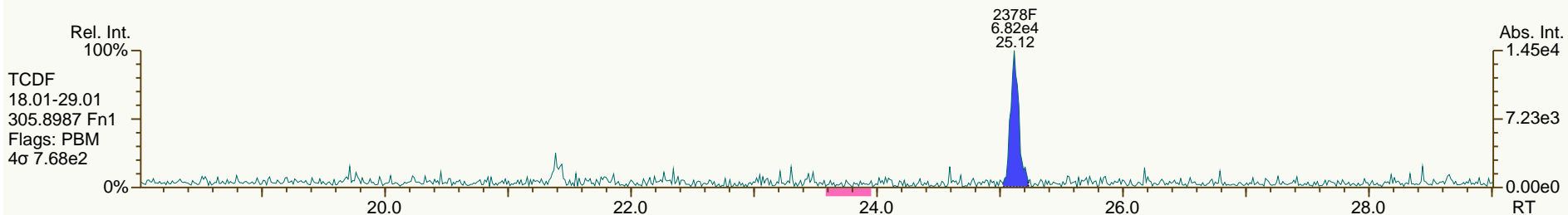
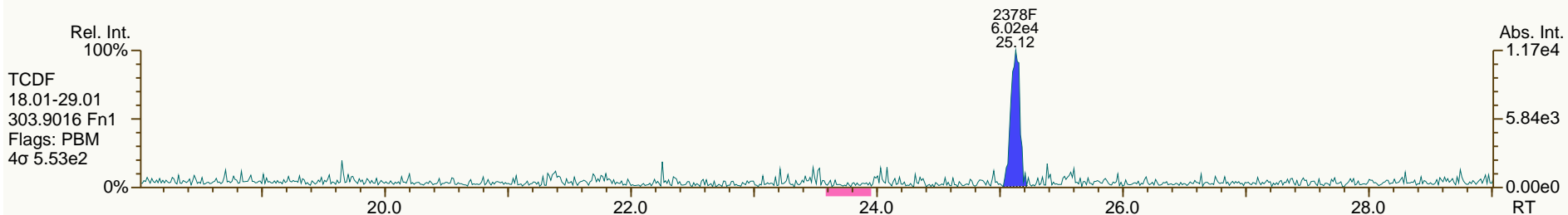
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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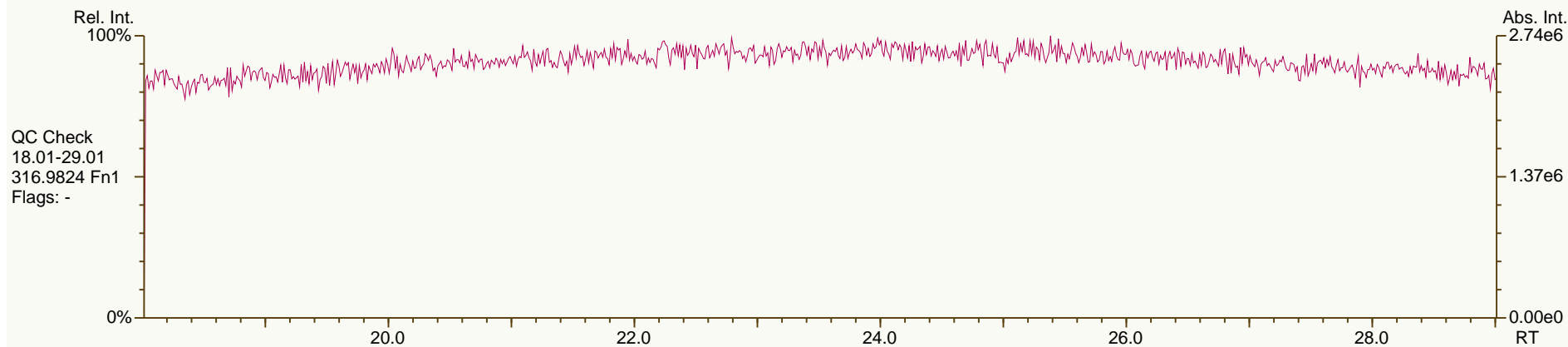
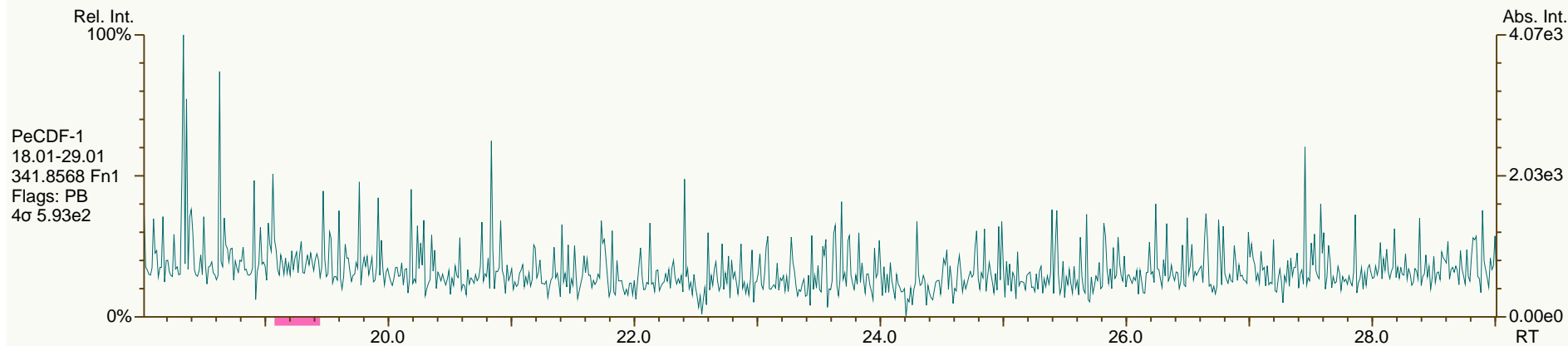
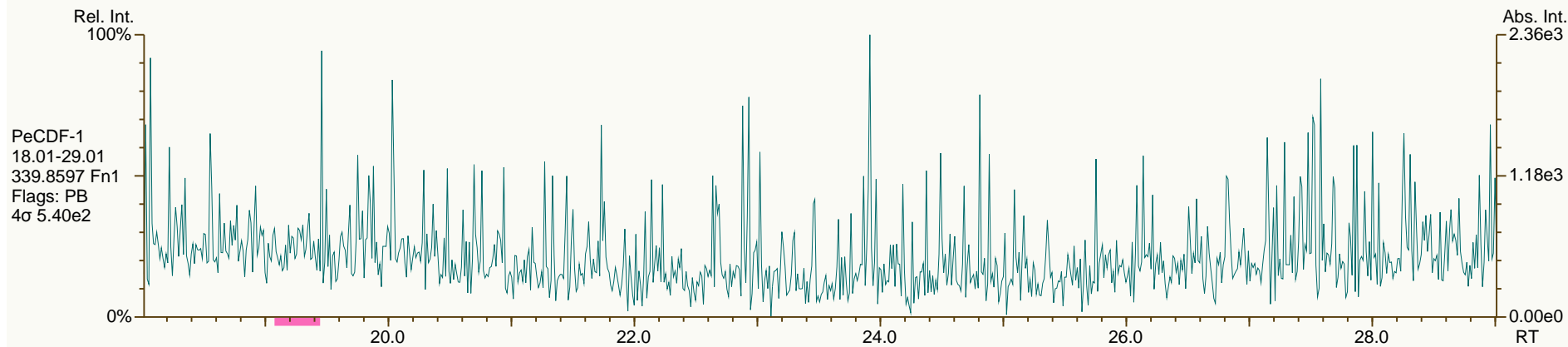
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SGS-AP ID: CS0
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

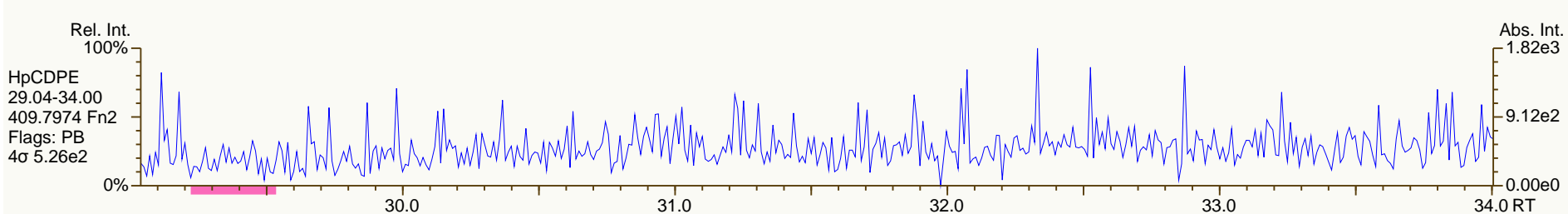
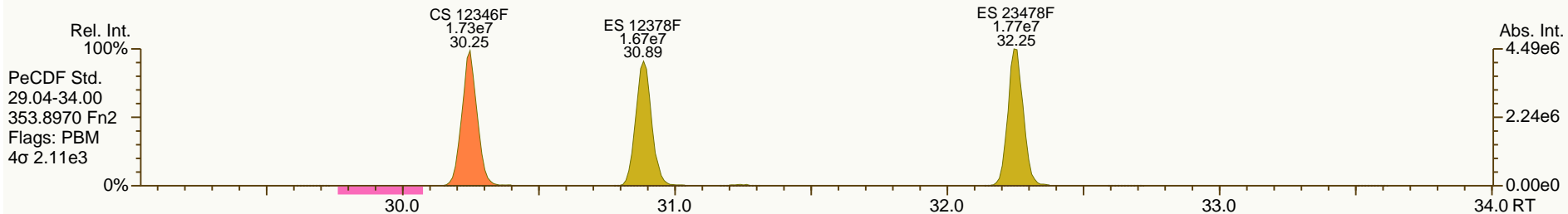
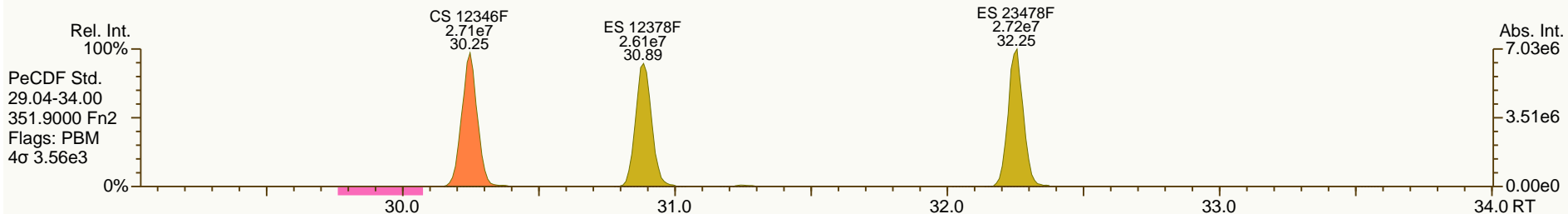
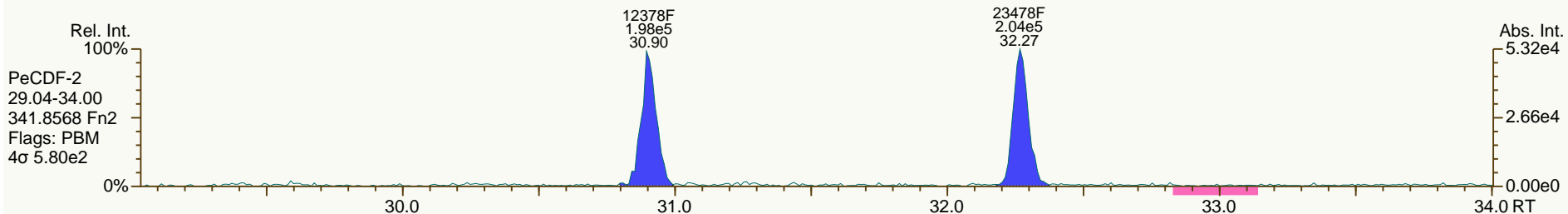
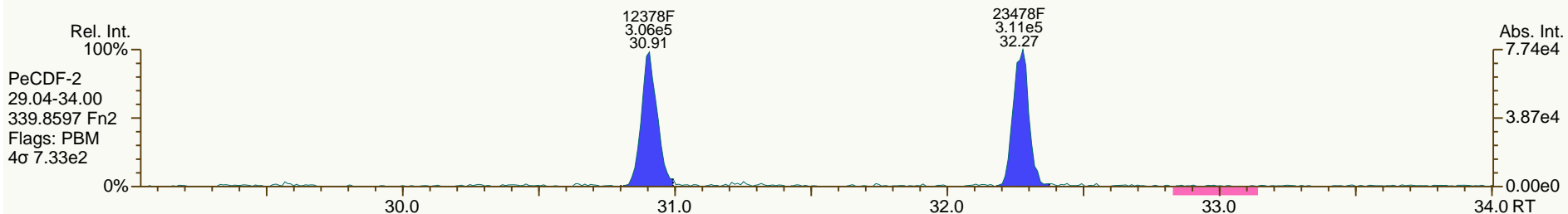
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SGS-AP ID: CS0
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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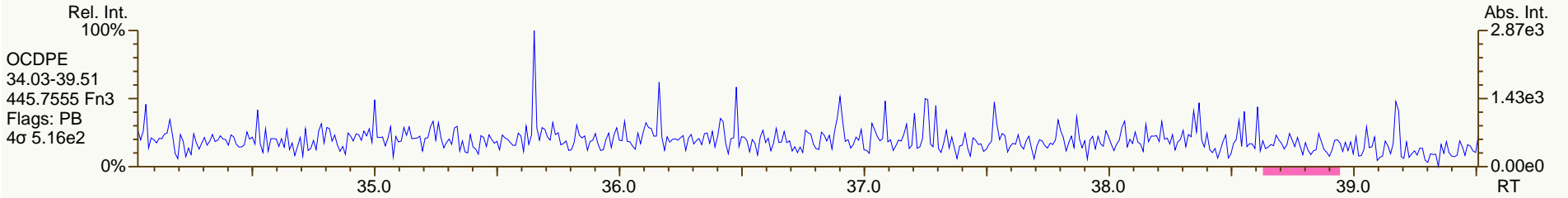
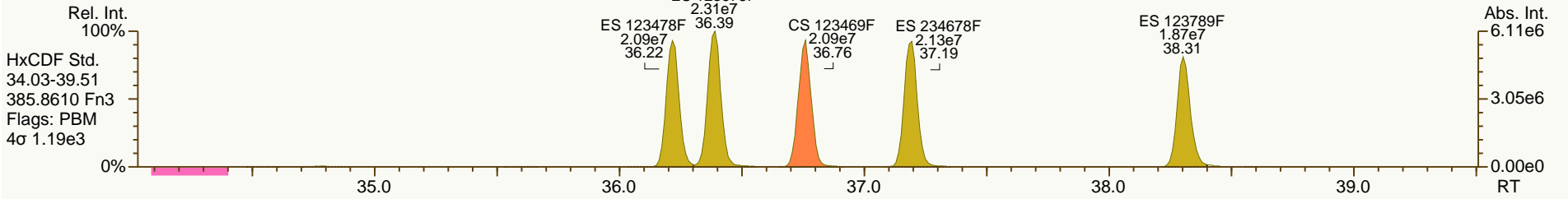
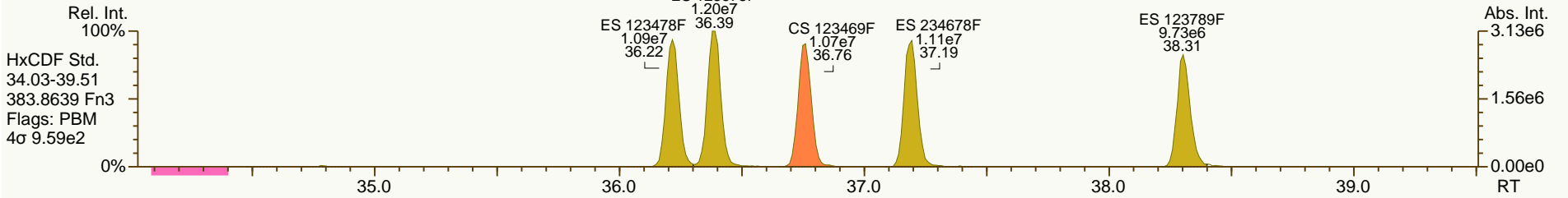
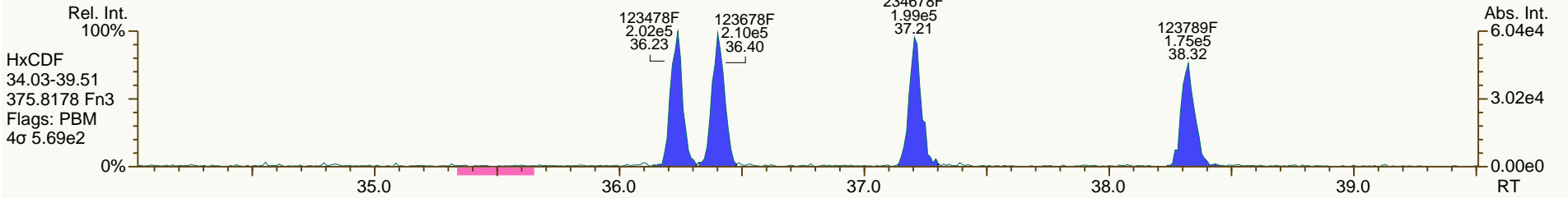
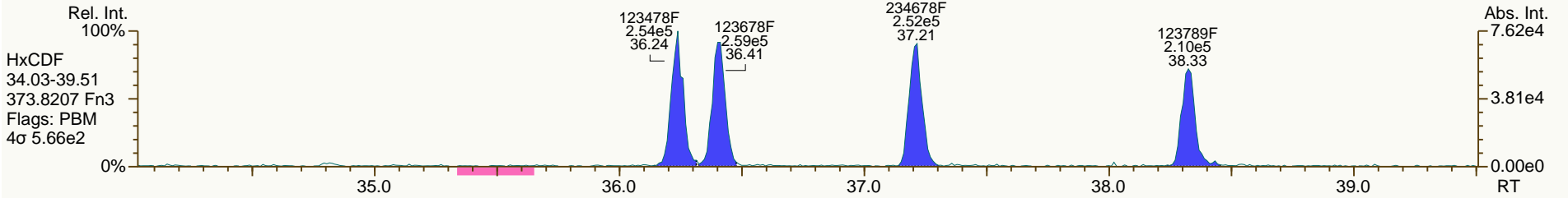
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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

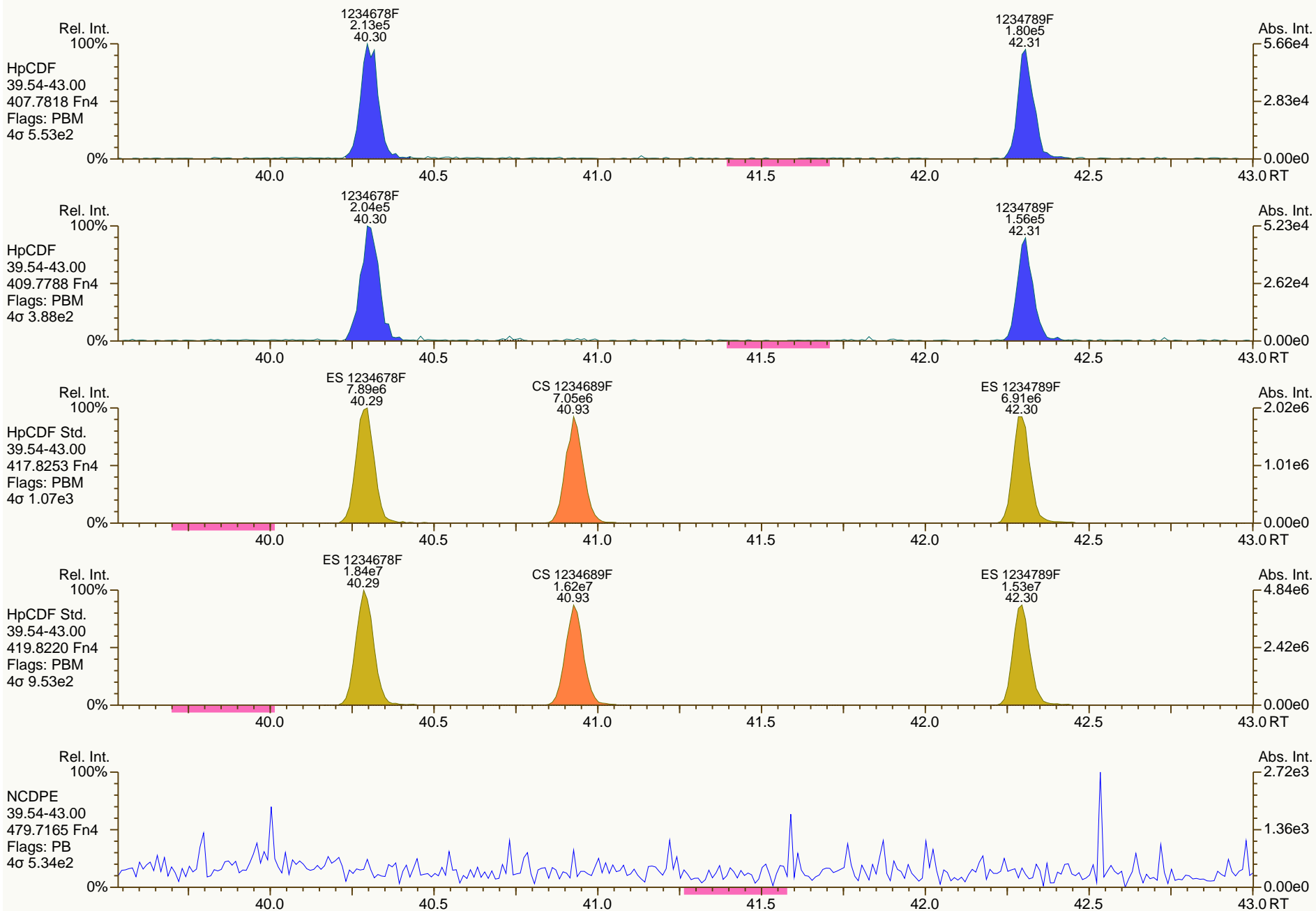
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SGS-AP ID: CS0
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

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SGS-AP ID: CS0
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 16

Acq: 13-FEB-2013 13:42:35
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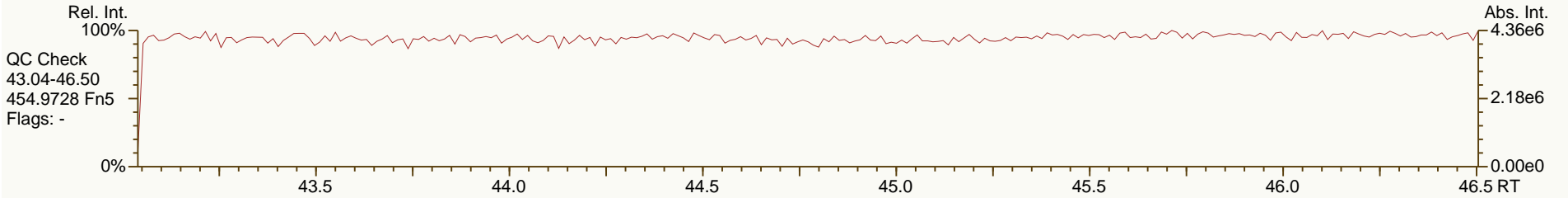
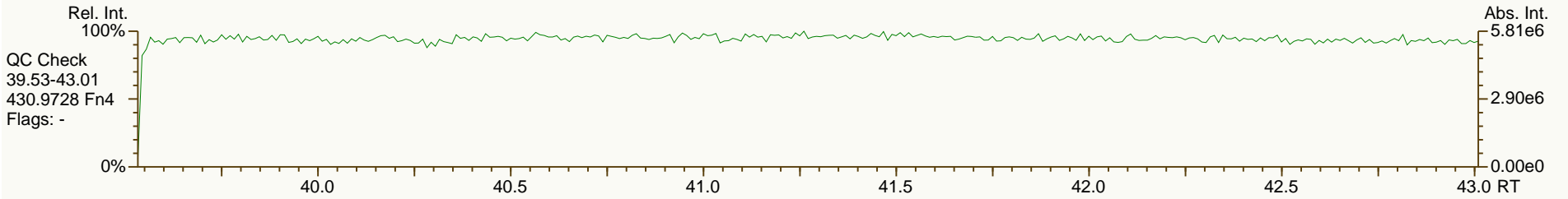
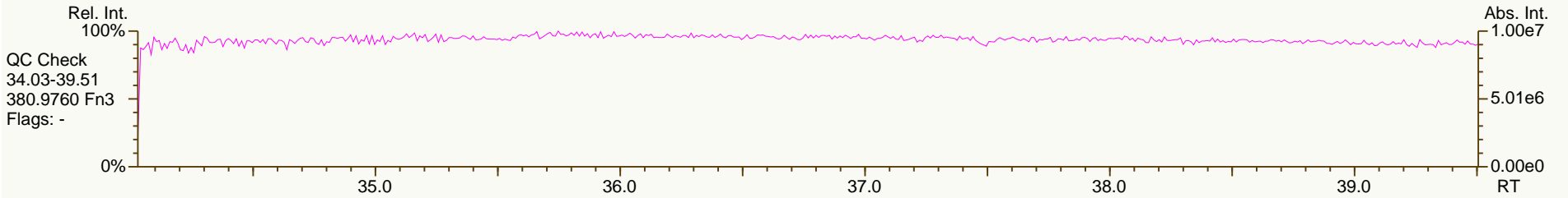
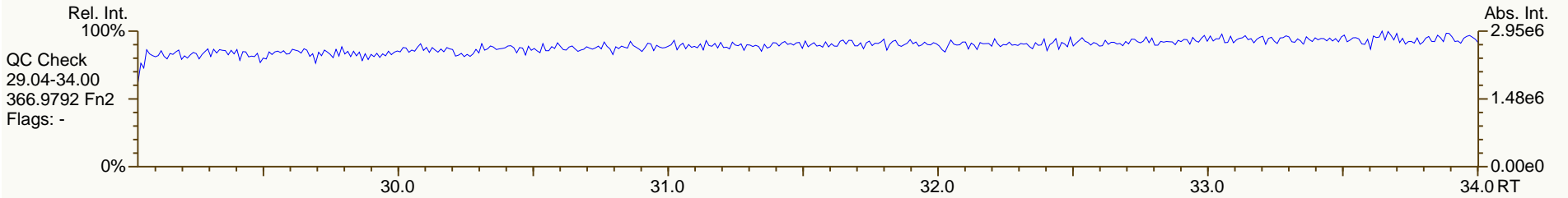
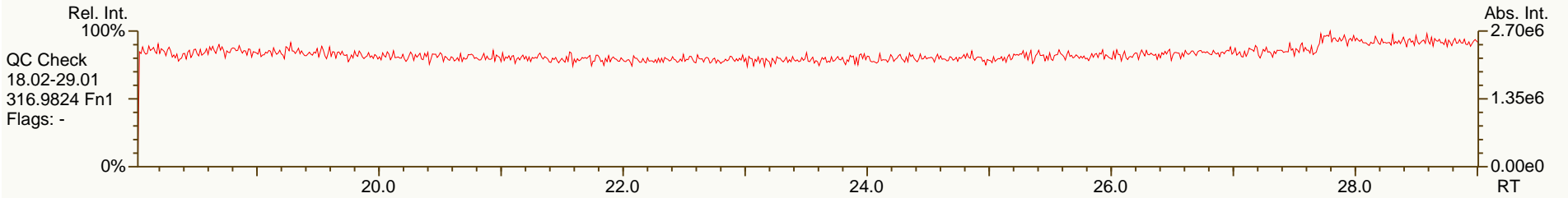
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134-SYP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.18	1.85E+05	0.73	Y	1.06	1.01	-5%
12378-PeCDD	32.70	6.99E+05	1.61	Y	0.94	0.88	-6%
123478-HxCDD	37.44	6.23E+05	1.29	Y	1.02	0.99	-4%
123678-HxCDD	37.57	6.48E+05	1.26	Y	1.04	1.00	-3%
123789-HxCDD	37.91	6.71E+05	1.28	Y	0.98	0.96	-2%
1234678-HpCDD	41.75	5.68E+05	1.10	Y	1.02	0.98	-5%
OCDD	45.27	9.32E+05	0.90	Y	1.08	1.03	-5%
2378-TCDF	25.12	2.46E+05	0.79	Y	0.97	0.92	-6%
12378-PeCDF	30.91	1.07E+06	1.56	Y	1.00	0.97	-2%
23478-PeCDF	32.27	1.02E+06	1.52	Y	0.96	0.90	-7%
123478-HxCDF	36.24	9.41E+05	1.24	Y	1.23	1.17	-6%
123678-HxCDF	36.40	9.70E+05	1.21	Y	1.14	1.09	-4%
234678-HxCDF	37.21	8.92E+05	1.23	Y	1.14	1.06	-7%
123789-HxCDF	38.32	8.09E+05	1.25	Y	1.13	1.09	-4%
1234678-HpCDF	40.30	7.91E+05	1.01	Y	1.34	1.22	-9%
1234789-HpCDF	42.31	7.01E+05	1.06	Y	1.30	1.23	-5%
OCDF	45.49	1.19E+06	0.94	Y	1.00	0.94	-6%
ES 2378-TCDD	26.15	3.67E+07	0.79	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.68	3.16E+07	1.59	Y	0.90	0.86	-4%
ES 123478-HxCDD	37.42	2.53E+07	1.28	Y	0.99	0.94	-6%
ES 123678-HxCDD	37.56	2.59E+07	1.26	Y	1.02	0.96	-6%
ES 123789-HxCDD	37.89	2.80E+07	1.29	Y	1.12	1.04	-7%
ES 1234678-HpCDD	41.74	2.33E+07	1.07	Y	0.90	0.86	-5%
ES OCDD	45.25	3.62E+07	0.90	Y	0.74	0.67	-10%
ES 2378-TCDF	25.10	5.36E+07	0.78	Y	1.05	1.03	-2%
ES 12378-PeCDF	30.89	4.40E+07	1.57	Y	0.88	0.85	-4%
ES 23478-PeCDF	32.25	4.51E+07	1.52	Y	0.91	0.87	-5%
ES 123478-HxCDF	36.22	3.23E+07	0.53	Y	1.25	1.20	-4%
ES 123678-HxCDF	36.39	3.55E+07	0.52	Y	1.40	1.32	-6%
ES 234678-HxCDF	37.19	3.37E+07	0.53	Y	1.29	1.25	-4%
ES 123789-HxCDF	38.31	2.98E+07	0.52	Y	1.17	1.10	-5%
ES 1234678-HpCDF	40.29	2.59E+07	0.44	Y	1.03	0.96	-7%
ES 1234789-HpCDF	42.29	2.28E+07	0.43	Y	0.89	0.84	-5%
ES OCDF	45.48	5.04E+07	0.90	Y	1.00	0.93	-7%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 14:33 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS1		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 486-134		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-03		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.36	3.67E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.46	5.21E+07	0.76	Y	-	-	-
JS 123467-HxCDD	37.78	1.35E+07	1.30	Y	-	-	-
CS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.10	1.15	5%
CS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.79	0.79	0%
CS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.87	0.88	2%
CS 123469-HxCDF	36.76	3.22E+07	0.52	Y	1.21	1.19	-1%
CS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.89	0.90	0%
SS 37C1-2378-TCDD	26.18	2.11E+05	n/a	-	1.09	1.15	5%
SS 12347-PeCDD	32.07	2.90E+07	1.61	Y	0.89	0.92	3%
SS 12346-PeCDF	30.25	4.60E+07	1.55	Y	0.99	1.04	6%
SS 123469-HxCDF	36.76	3.22E+07	0.52	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.42E+07	0.43	Y	0.87	0.93	7%
AS 1368-TCDD	21.76	3.71E+07	0.80	Y	1.00	1.01	1%
AS 1368-TCDF	19.70	6.20E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.56	4.39E+07	0.79	Y	1.18	1.20	1%
FS 12478-PeCDD	31.20	3.52E+07	1.59	Y	1.07	1.11	4%
FS 123468-HxCDD	36.15	3.39E+07	1.26	Y	1.29	1.34	4%
FS 1234679-HpCDD	40.72	2.81E+07	1.06	Y	1.18	1.21	2%
TS 1378-TCDD	24.16	4.19E+07	0.79	Y	1.12	1.14	2%
OCDD-a	NotFnd				0.07		
OCDF-a	NotFnd				0.06		

SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

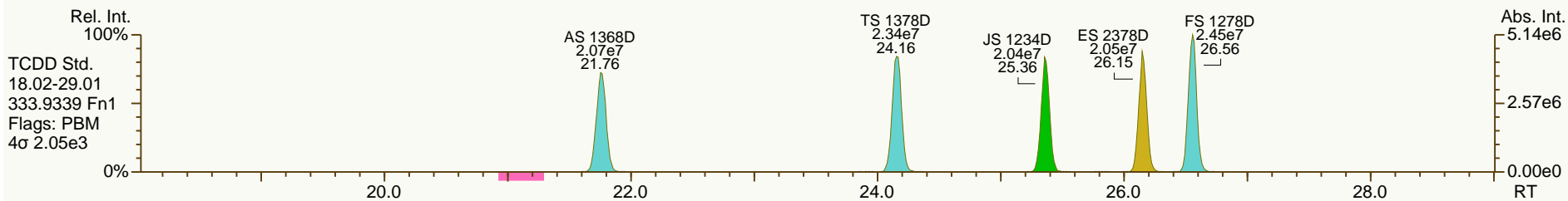
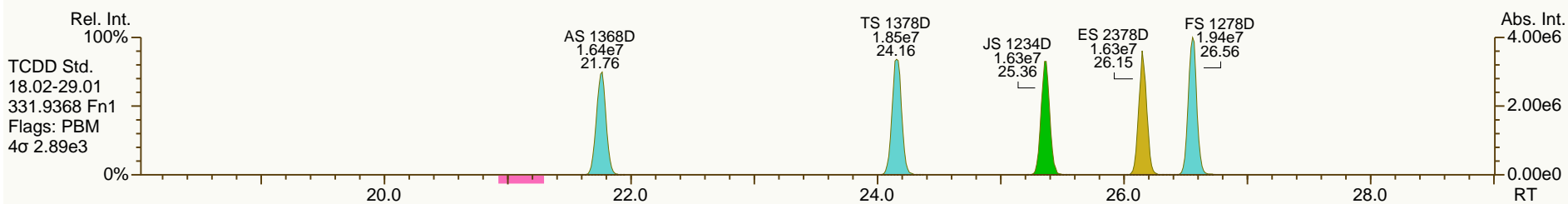
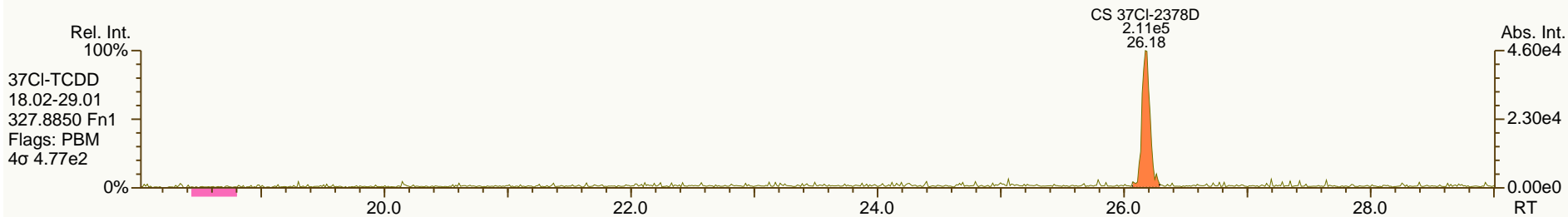
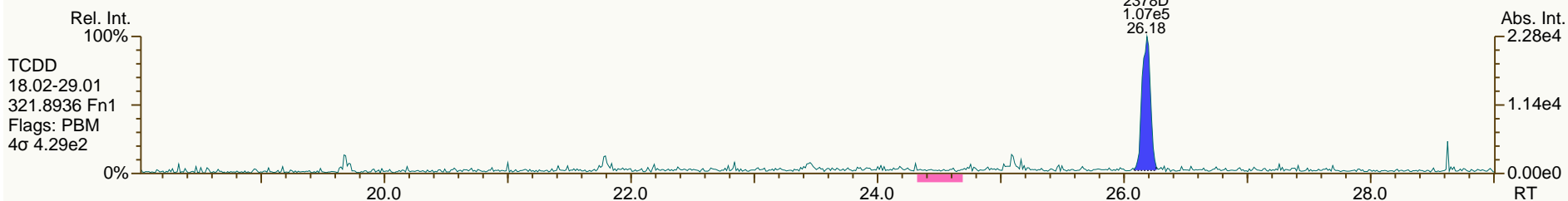
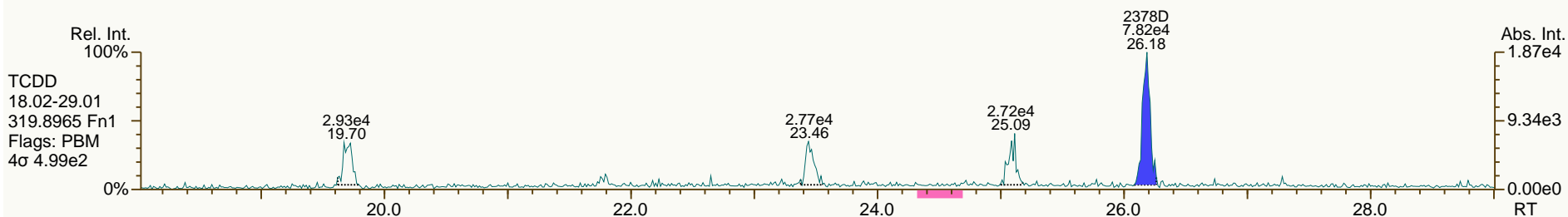
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

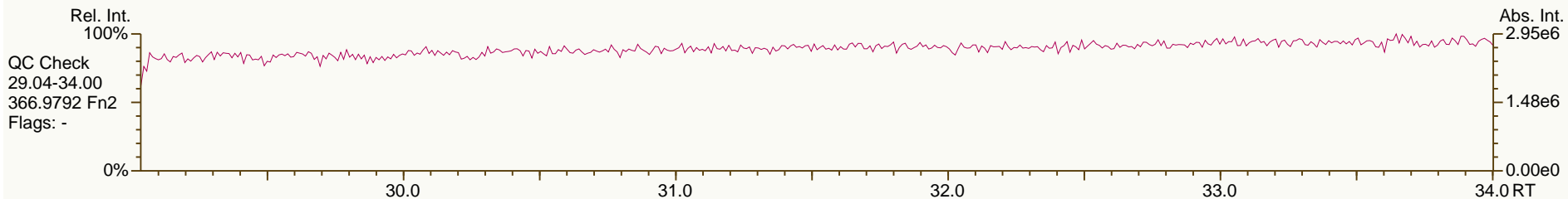
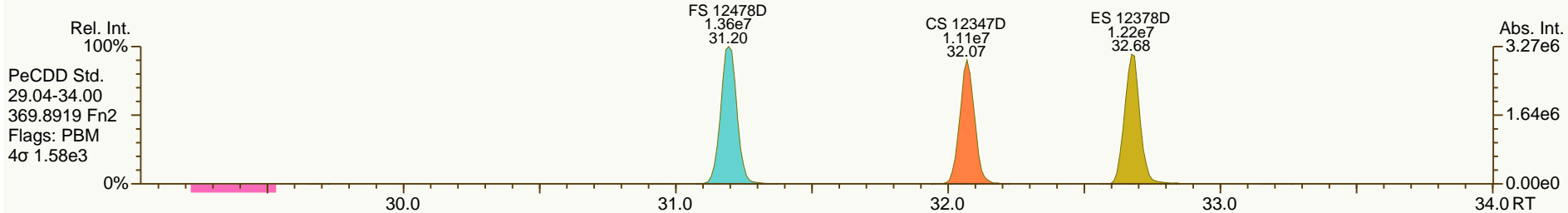
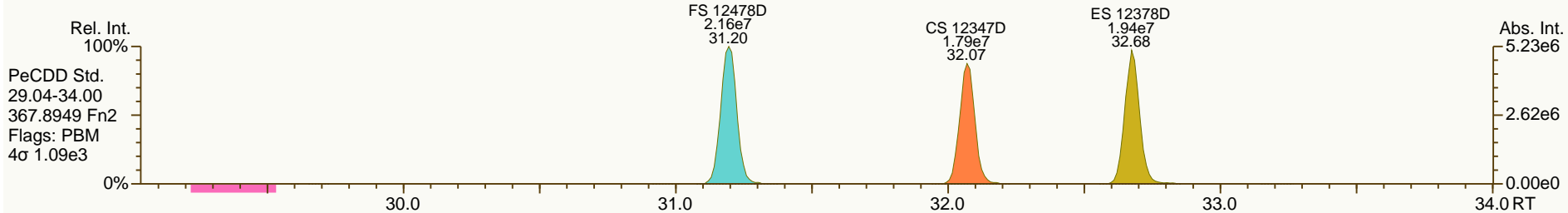
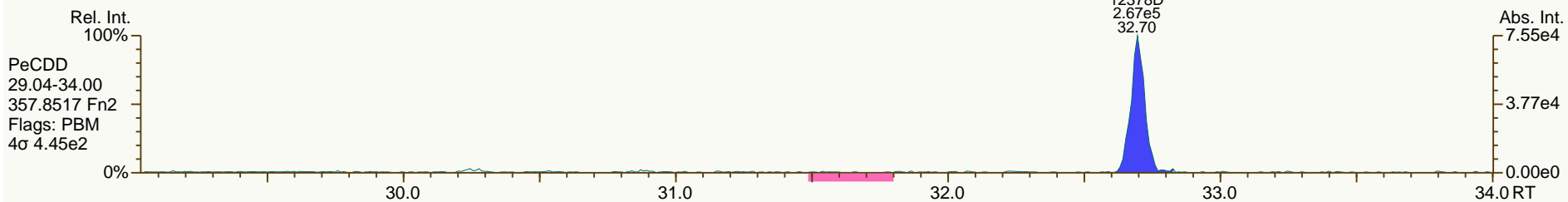
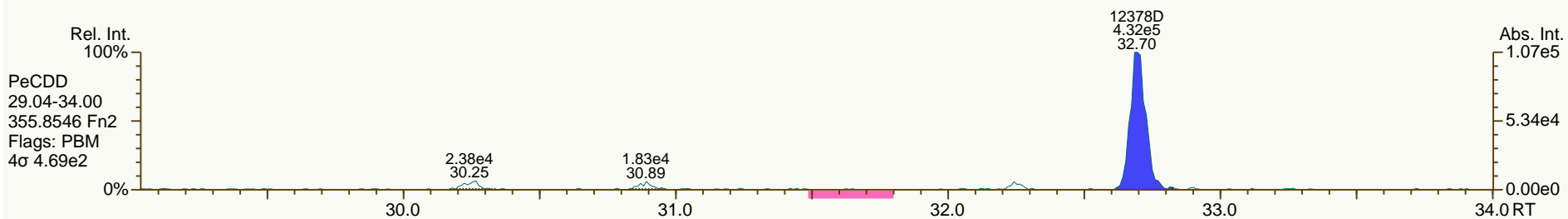
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

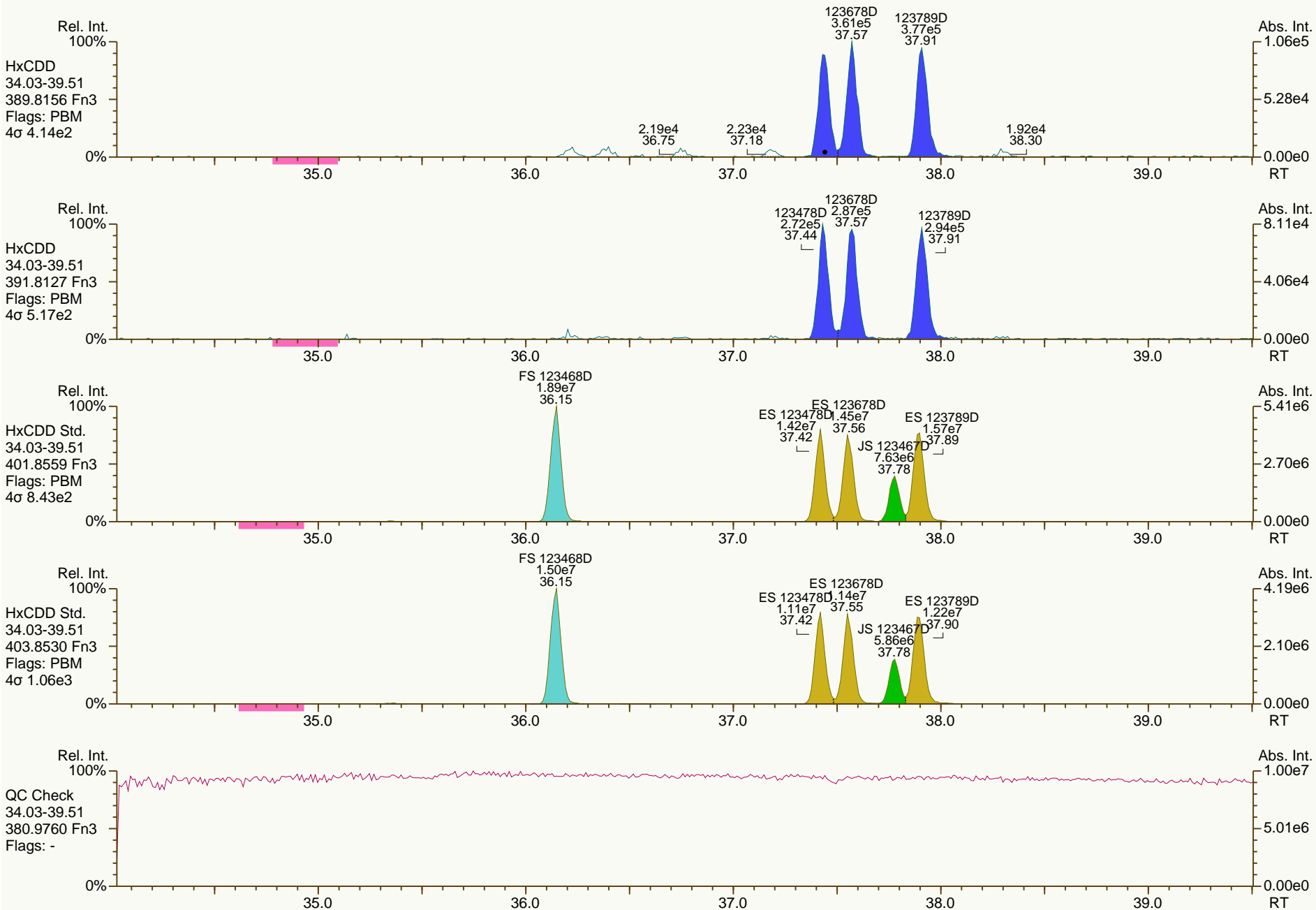
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SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

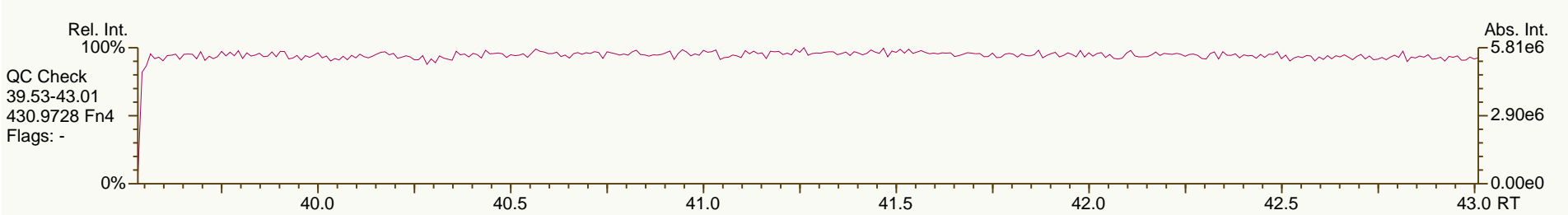
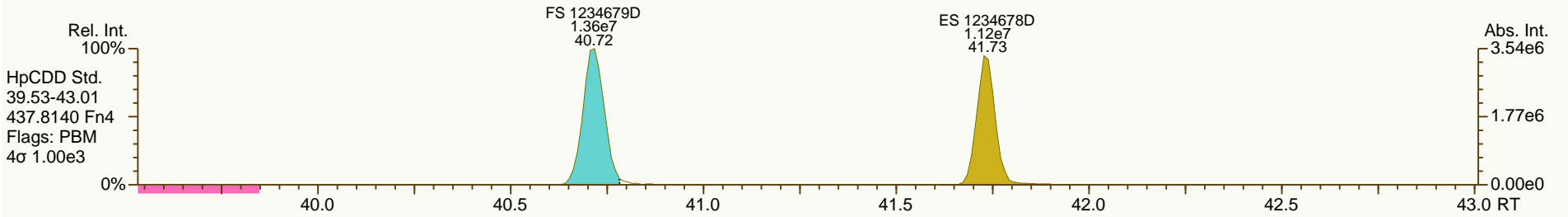
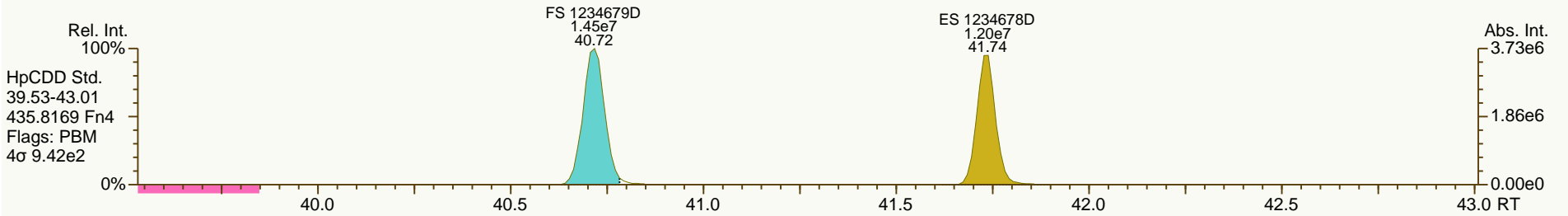
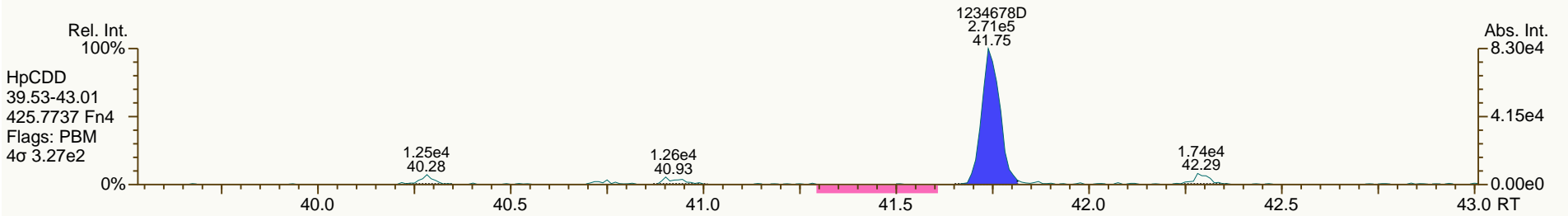
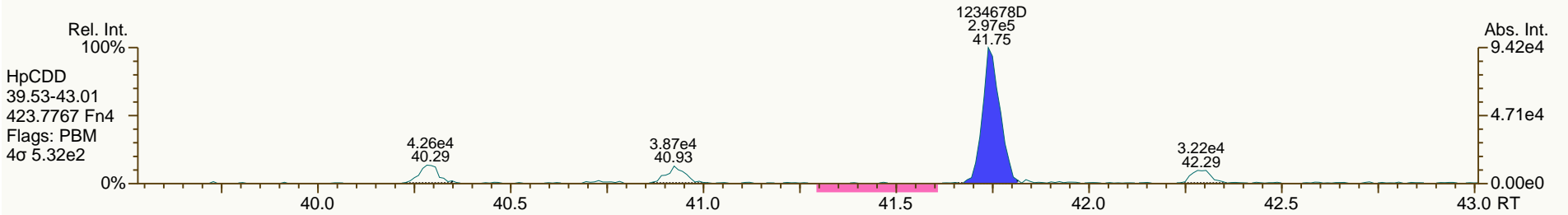
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

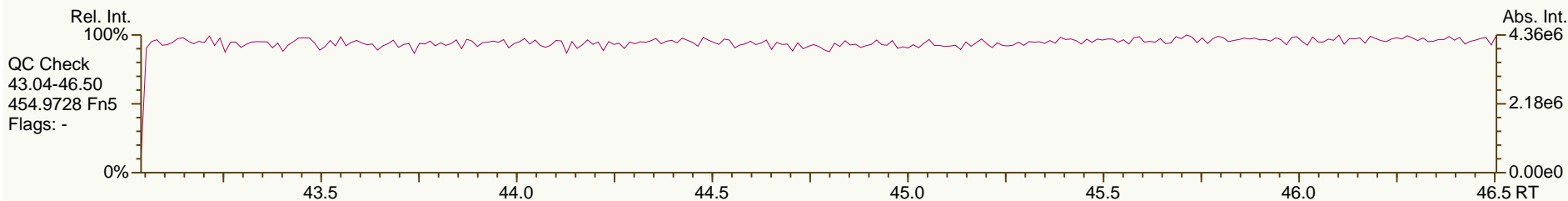
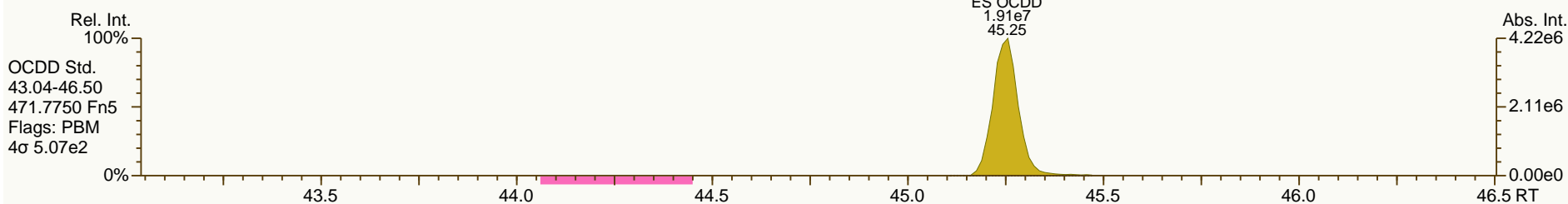
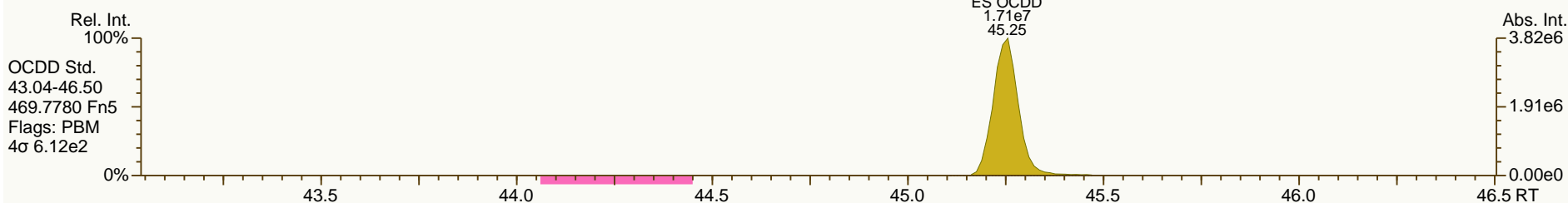
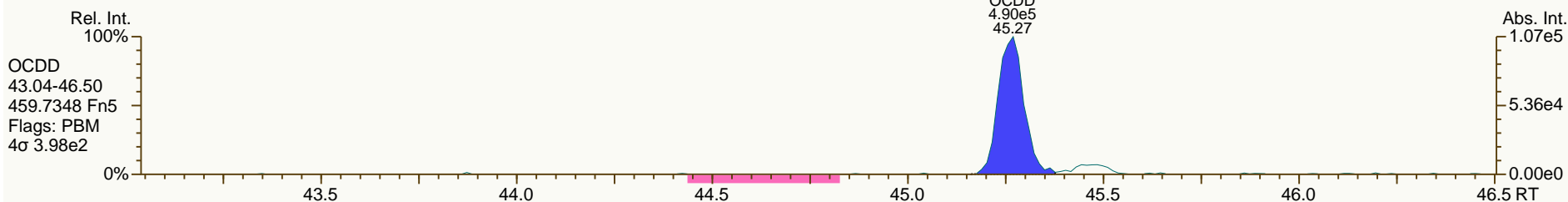
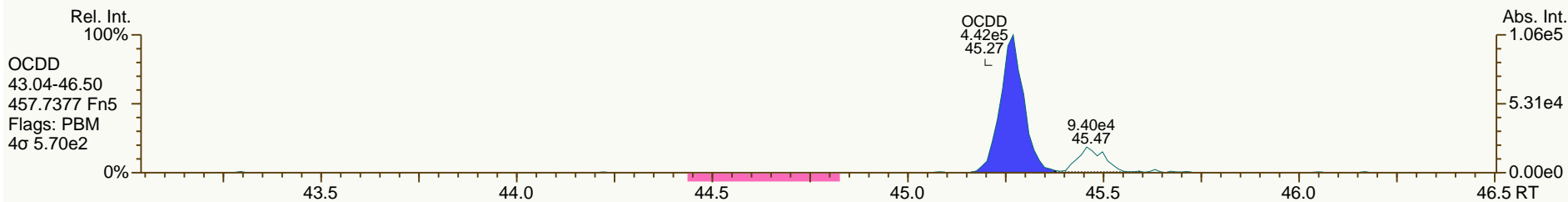
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

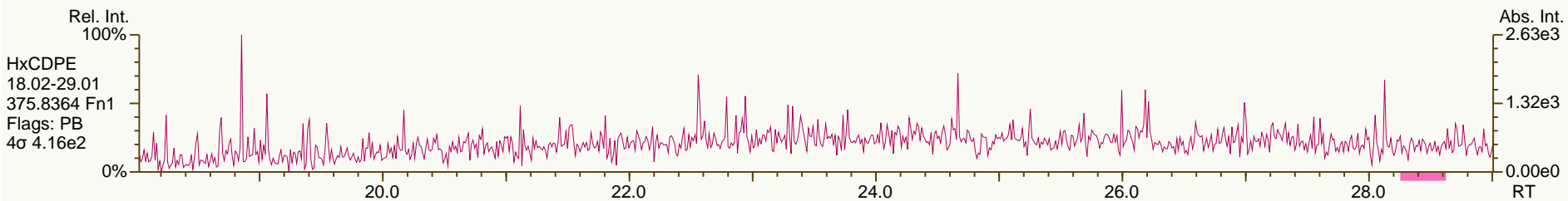
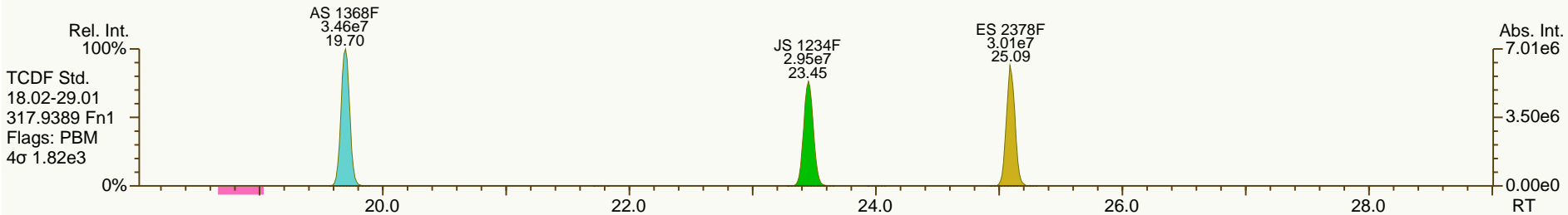
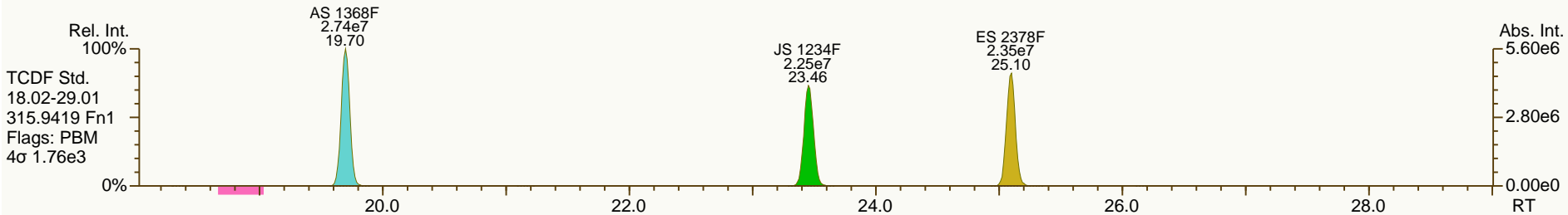
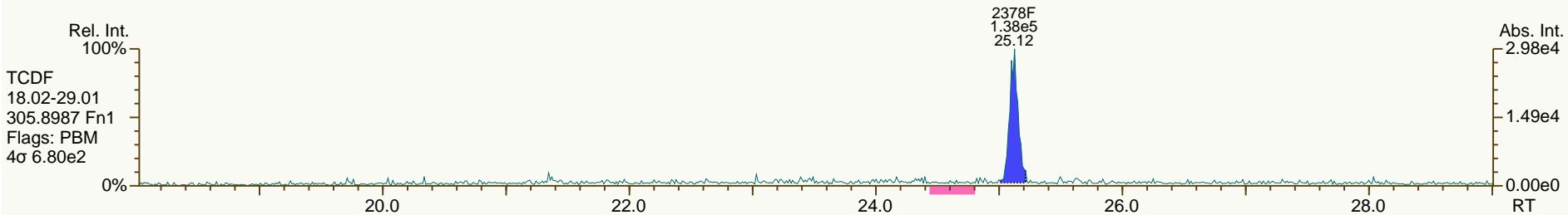
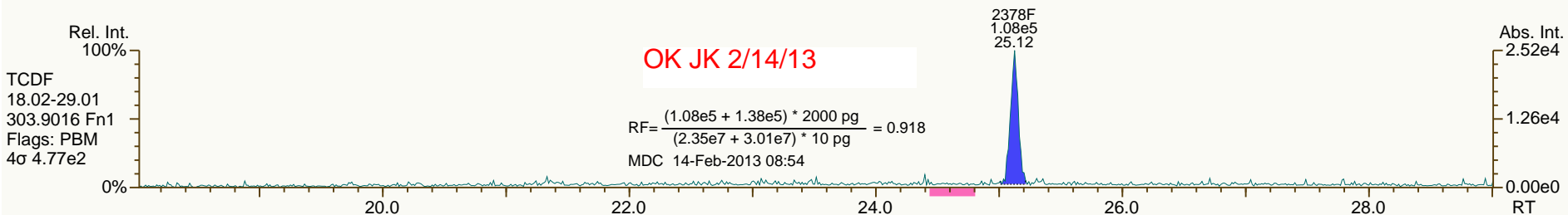
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

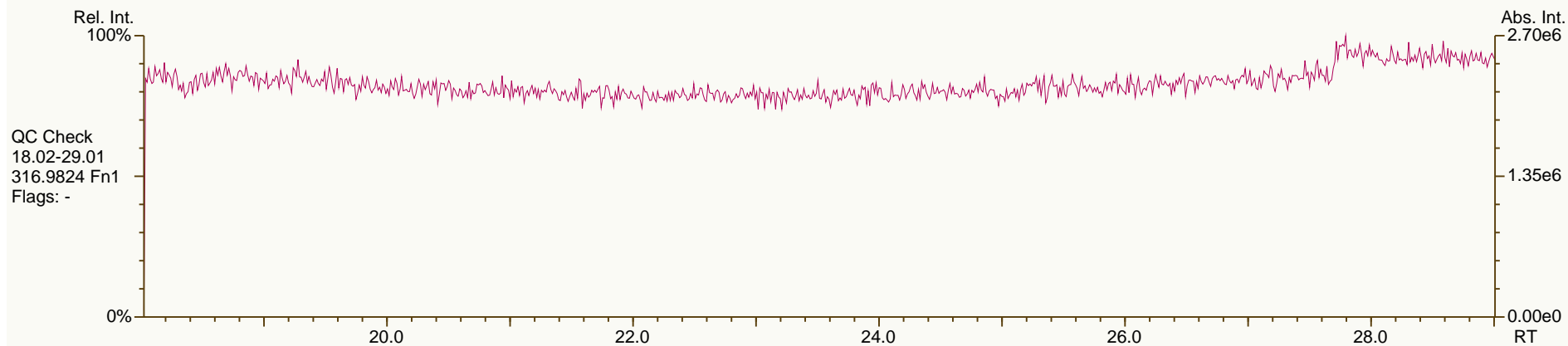
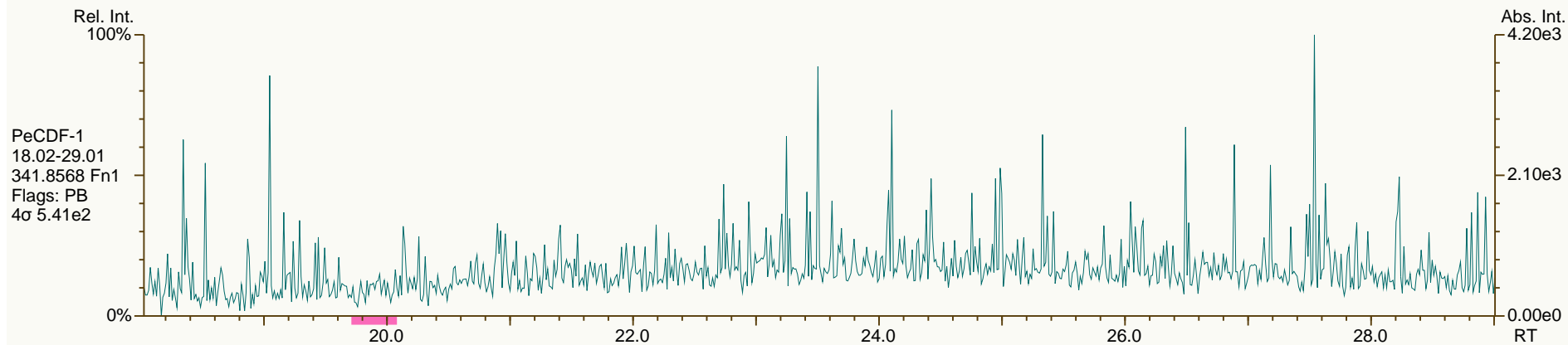
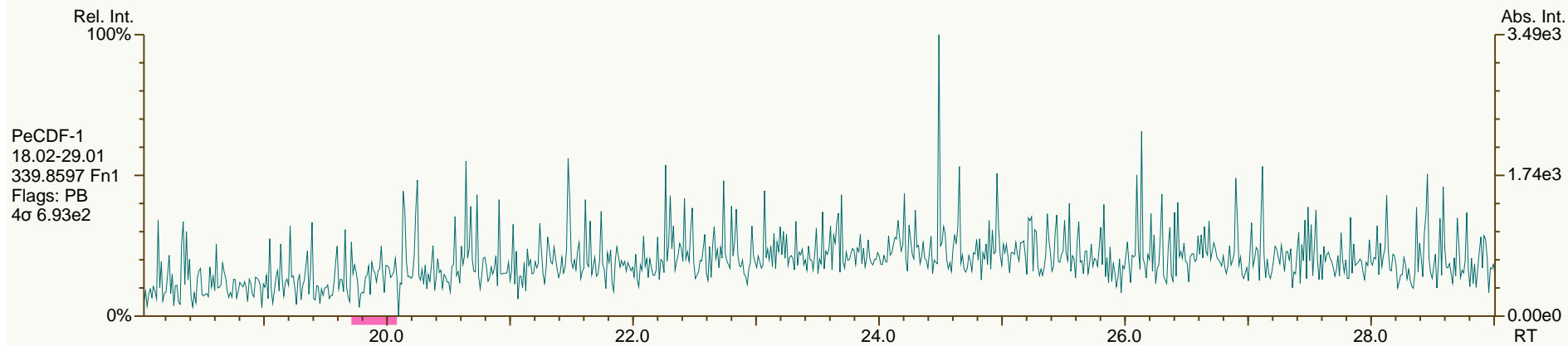
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Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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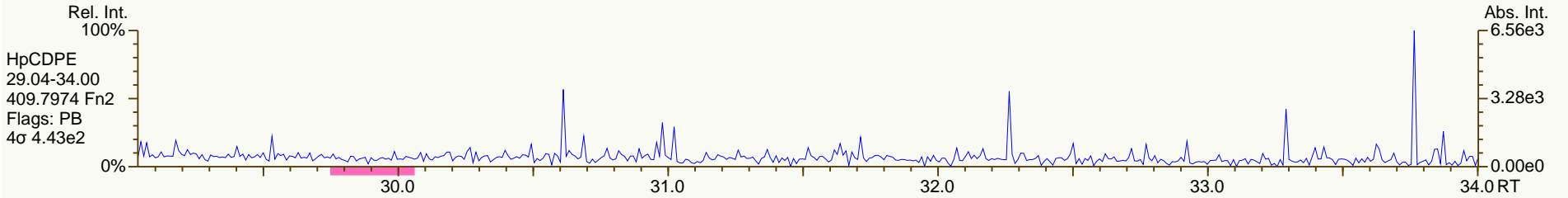
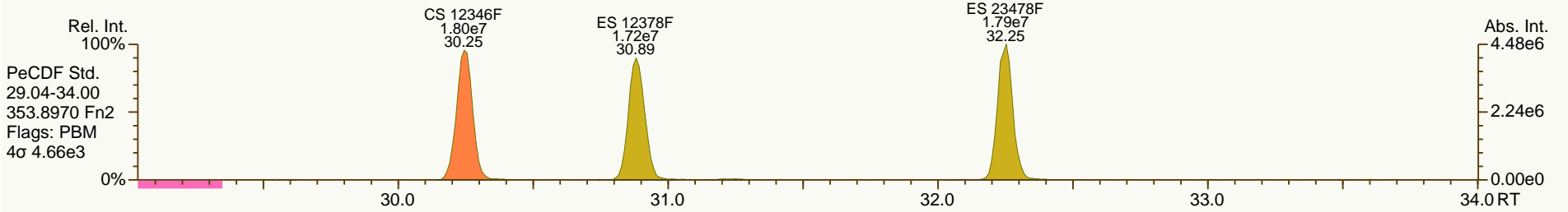
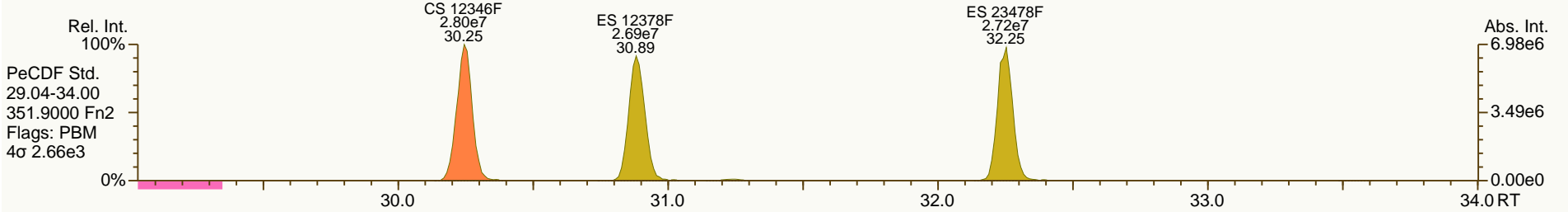
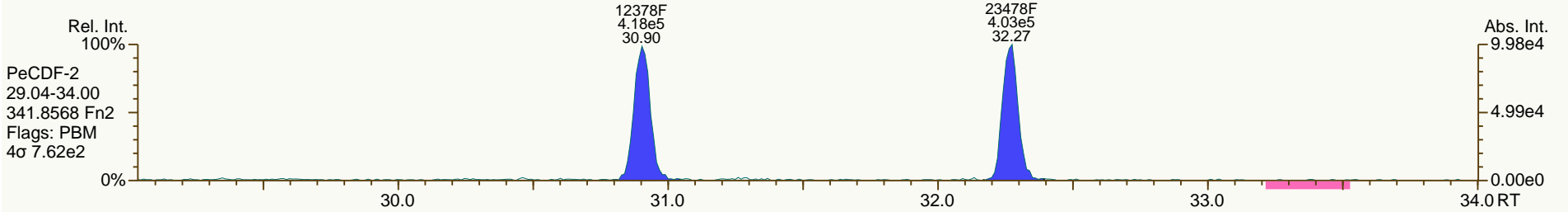
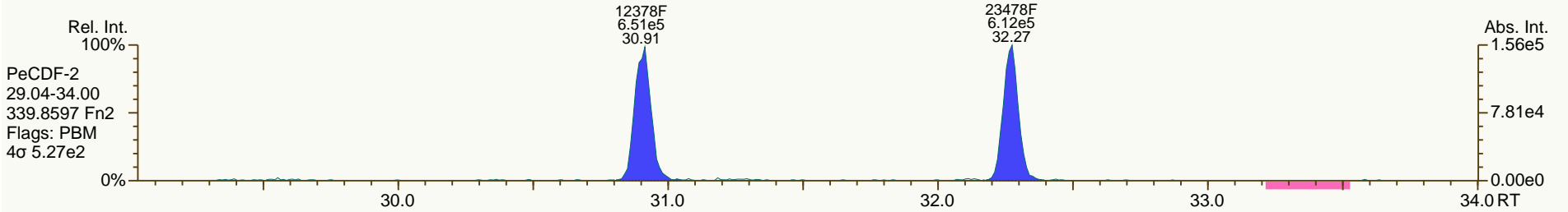
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

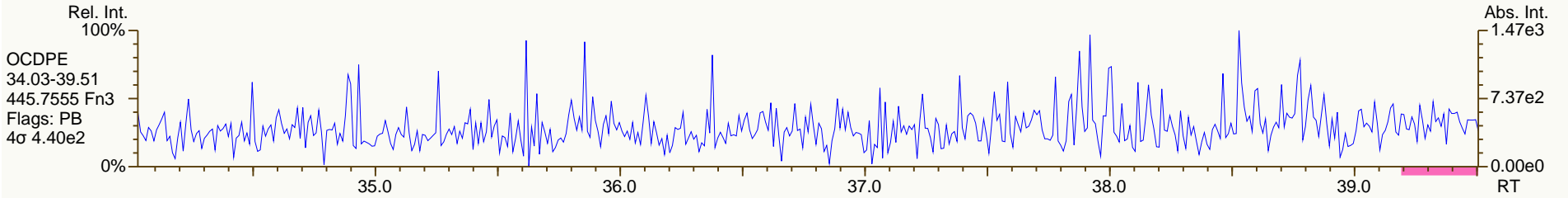
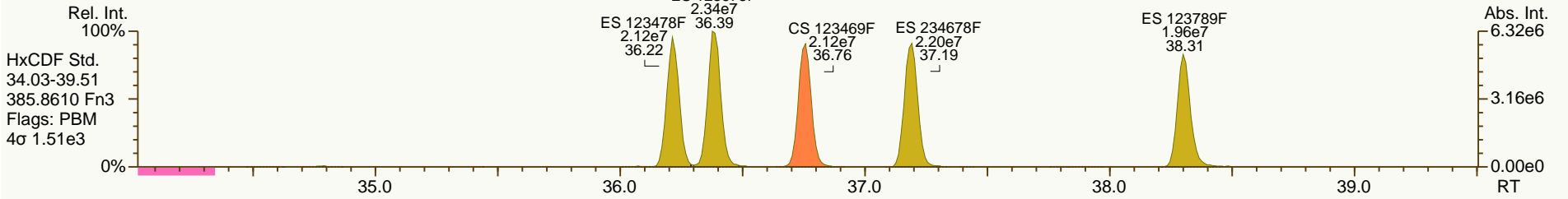
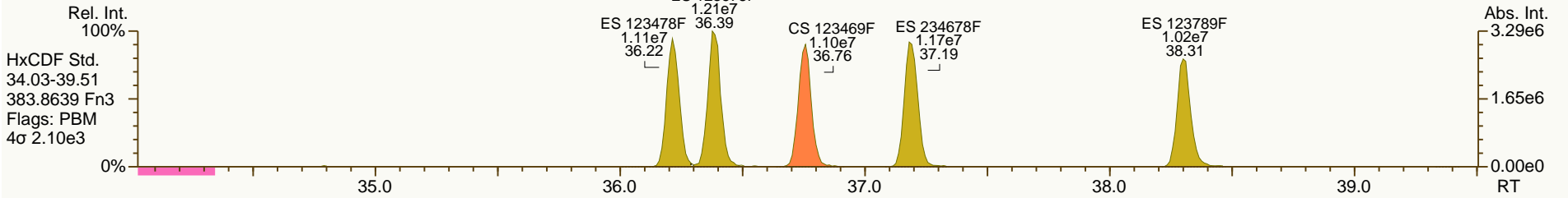
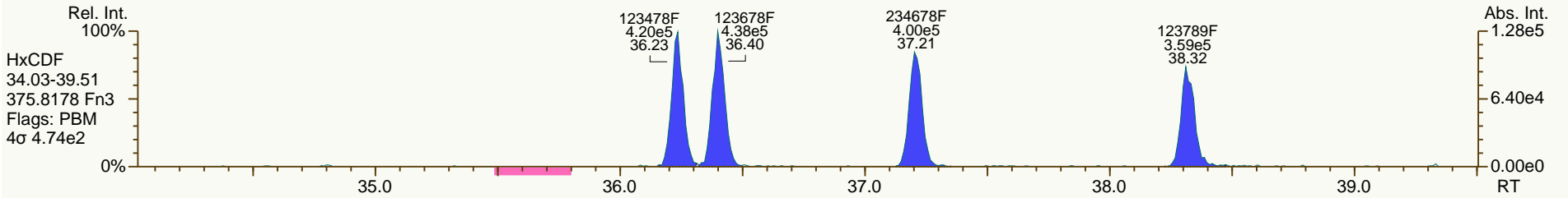
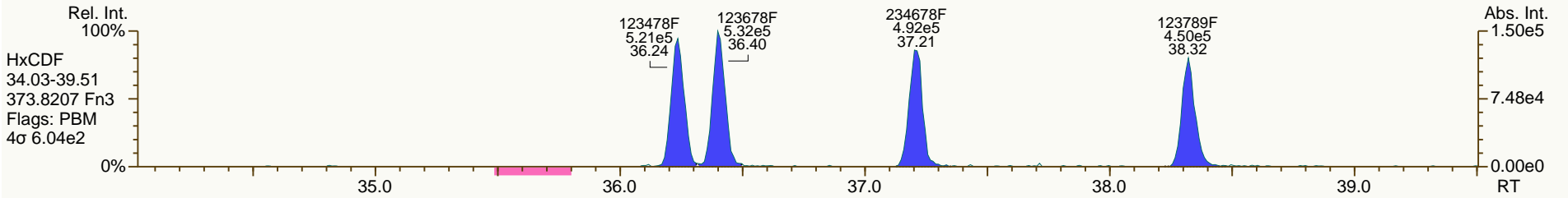
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
User: MDC Datafile: 130213P2-03



SGS-AP ID: CS1
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

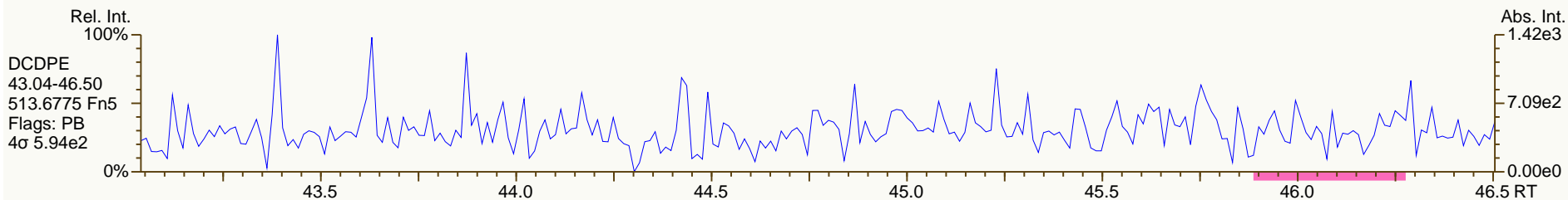
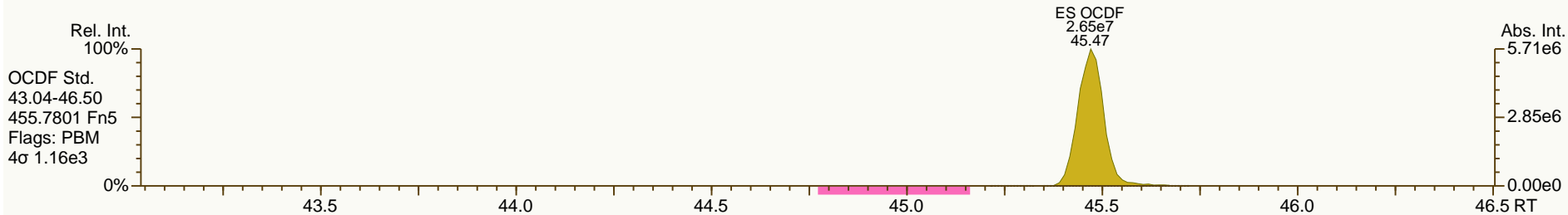
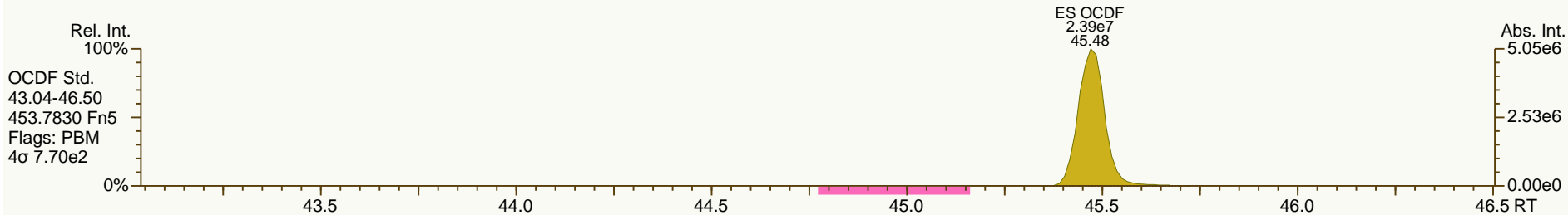
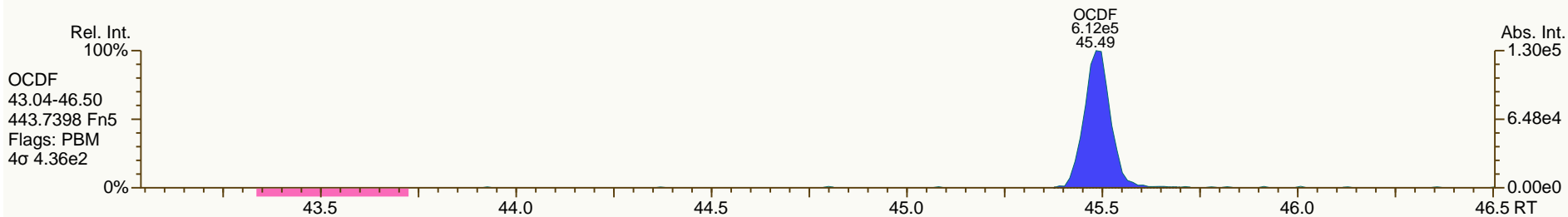
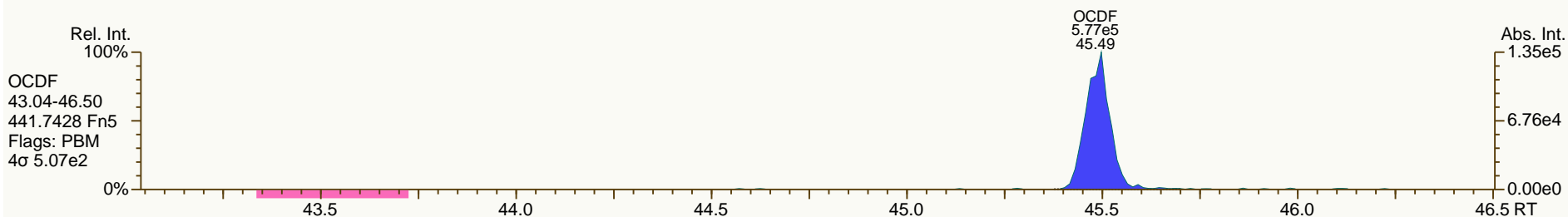
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SGS-AP ID: CS1
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 13-FEB-2013 14:33:42
User: MDC Datafile: 130213P2-03



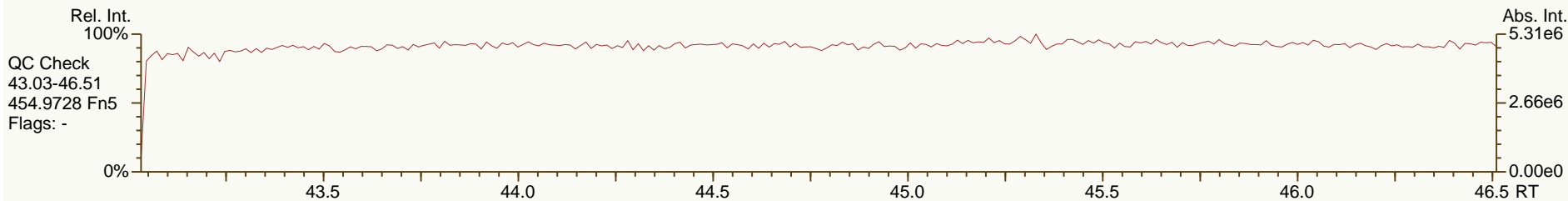
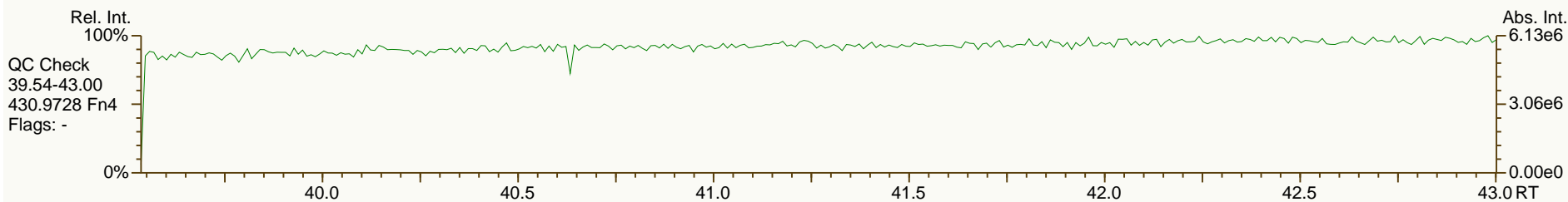
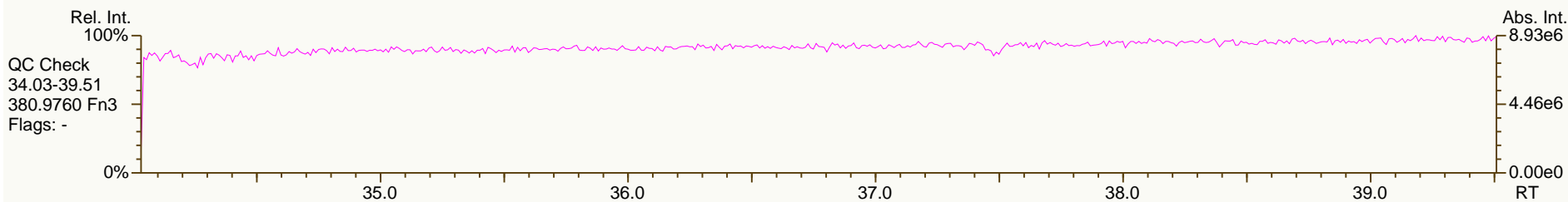
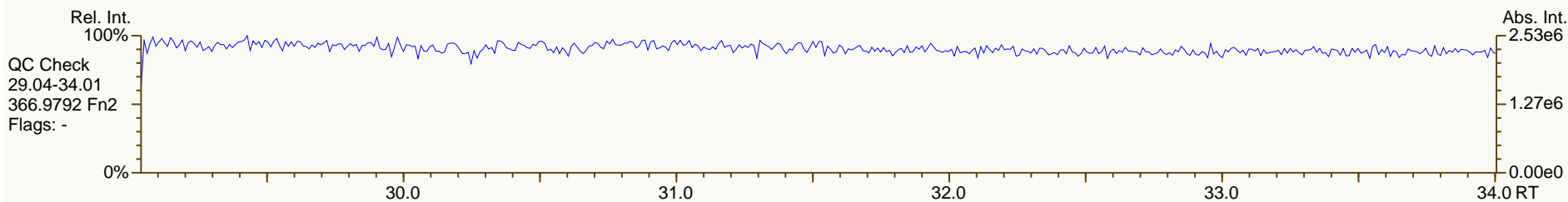
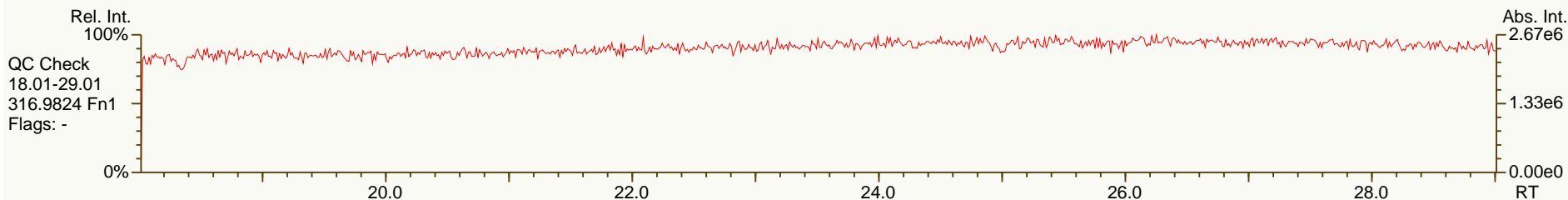
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190-GYM		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	7.31E+05	0.79	Y	1.06	1.00	-6%
12378-PeCDD	32.69	2.85E+06	1.55	Y	0.94	0.89	-5%
123478-HxCDD	37.43	2.48E+06	1.26	Y	1.02	0.98	-4%
123678-HxCDD	37.57	2.55E+06	1.26	Y	1.04	0.98	-6%
123789-HxCDD	37.91	2.65E+06	1.20	Y	0.98	0.94	-5%
1234678-HpCDD	41.75	2.23E+06	1.02	Y	1.02	1.00	-3%
OCDD	45.26	3.86E+06	0.91	Y	1.08	1.02	-5%
2378-TCDF	25.11	9.62E+05	0.75	Y	0.97	0.91	-6%
12378-PeCDF	30.90	4.13E+06	1.51	Y	1.00	0.95	-4%
23478-PeCDF	32.27	4.16E+06	1.46	Y	0.96	0.91	-5%
123478-HxCDF	36.23	3.81E+06	1.24	Y	1.23	1.18	-4%
123678-HxCDF	36.40	3.89E+06	1.25	Y	1.14	1.10	-3%
234678-HxCDF	37.21	3.60E+06	1.25	Y	1.14	1.08	-5%
123789-HxCDF	38.32	3.21E+06	1.25	Y	1.13	1.10	-3%
1234678-HpCDF	40.30	3.40E+06	1.03	Y	1.34	1.29	-4%
1234789-HpCDF	42.30	2.73E+06	1.02	Y	1.30	1.22	-6%
OCDF	45.48	4.73E+06	0.90	Y	1.00	0.96	-4%
ES 2378-TCDD	26.15	3.63E+07	0.80	Y	1.01	1.01	0%
ES 12378-PeCDD	32.67	3.19E+07	1.56	Y	0.90	0.89	-1%
ES 123478-HxCDD	37.42	2.52E+07	1.27	Y	0.99	0.96	-4%
ES 123678-HxCDD	37.55	2.61E+07	1.31	Y	1.02	0.99	-4%
ES 123789-HxCDD	37.89	2.83E+07	1.27	Y	1.12	1.07	-4%
ES 1234678-HpCDD	41.73	2.24E+07	1.09	Y	0.90	0.85	-6%
ES OCDD	45.25	3.77E+07	0.88	Y	0.74	0.71	-4%
ES 2378-TCDF	25.09	5.28E+07	0.78	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	4.34E+07	1.57	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.25	4.55E+07	1.59	Y	0.91	0.90	-1%
ES 123478-HxCDF	36.21	3.23E+07	0.52	Y	1.25	1.22	-2%
ES 123678-HxCDF	36.38	3.53E+07	0.53	Y	1.40	1.34	-4%
ES 234678-HxCDF	37.19	3.32E+07	0.53	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.91E+07	0.52	Y	1.17	1.11	-5%
ES 1234678-HpCDF	40.29	2.64E+07	0.45	Y	1.03	1.00	-3%
ES 1234789-HpCDF	42.29	2.23E+07	0.44	Y	0.89	0.84	-5%
ES OCDF	45.47	4.95E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 15:24 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS2		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 353-190		
Sample ID: 11012012A		Report: 14 Feb 2013 08:49 MC			Datafile: 130213P2-04		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.60E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.45	5.06E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.77	1.32E+07	1.24	Y	-	-	-
CS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.10	1.01	-8%
CS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.79	0.81	2%
CS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.87	0.88	1%
CS 123469-HxCDF	36.75	3.21E+07	0.53	Y	1.21	1.22	0%
CS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.89	0.89	0%
SS 37C1-2378-TCDD	26.17	7.28E+05	n/a	-	1.09	1.00	-8%
SS 12347-PeCDD	32.07	2.90E+07	1.62	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	4.45E+07	1.53	Y	0.99	1.02	4%
SS 123469-HxCDF	36.75	3.21E+07	0.53	Y	0.87	0.91	5%
SS 1234689-HpCDF	40.93	2.35E+07	0.43	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.61E+07	0.80	Y	1.00	1.00	1%
AS 1368-TCDF	19.69	6.01E+07	0.78	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	4.37E+07	0.77	Y	1.18	1.20	2%
FS 12478-PeCDD	31.19	3.47E+07	1.60	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	3.42E+07	1.28	Y	1.29	1.36	6%
FS 1234679-HpCDD	40.71	2.80E+07	1.06	Y	1.18	1.25	6%
TS 1378-TCDD	24.15	4.06E+07	0.82	Y	1.12	1.12	0%
OCDD-a	45.25	2.34E+05	2.64	Y	0.07	0.06	-7%
OCDF-a	45.48	2.85E+05	2.44	Y	0.06	0.06	-6%

SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

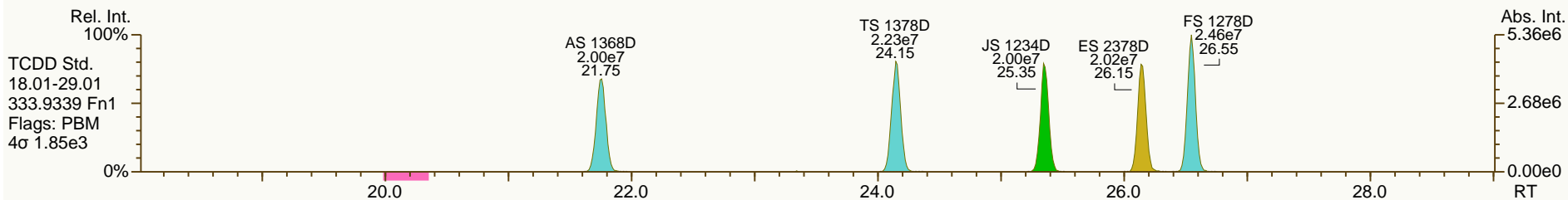
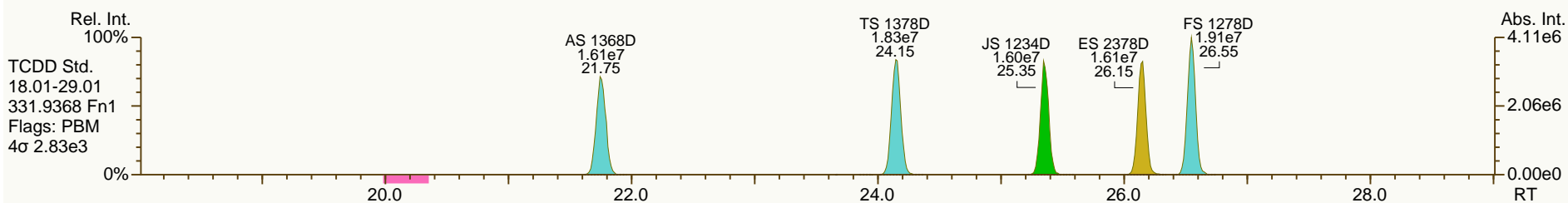
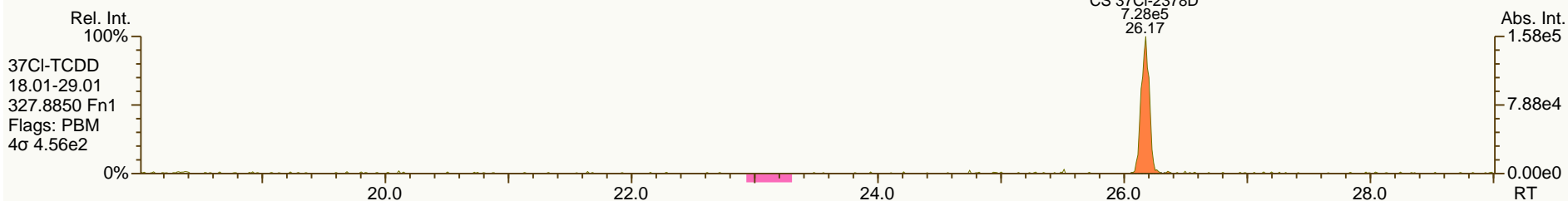
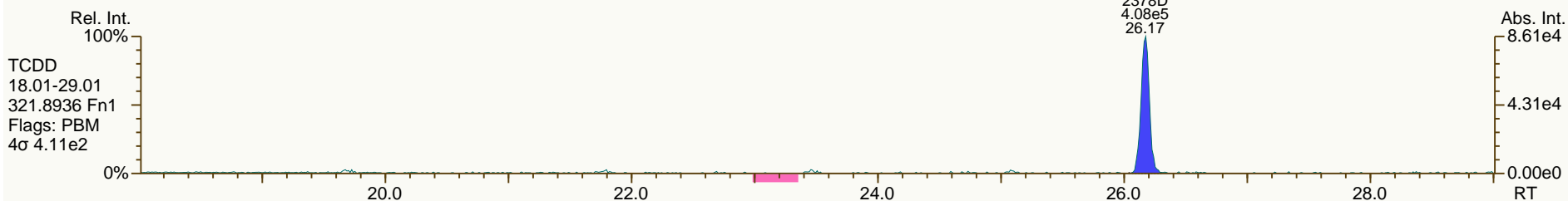
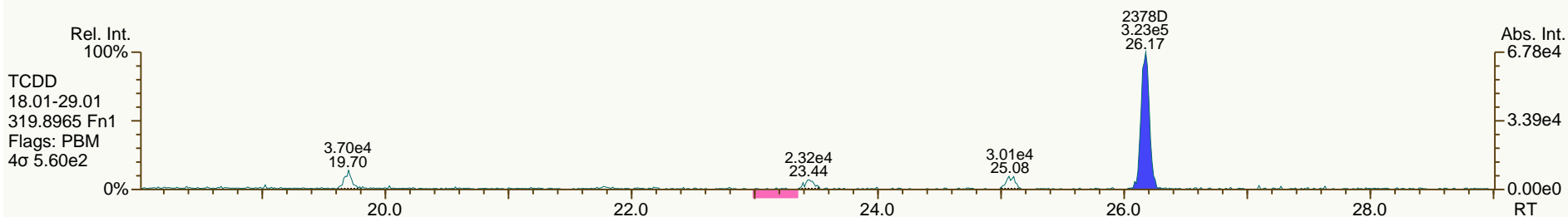
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

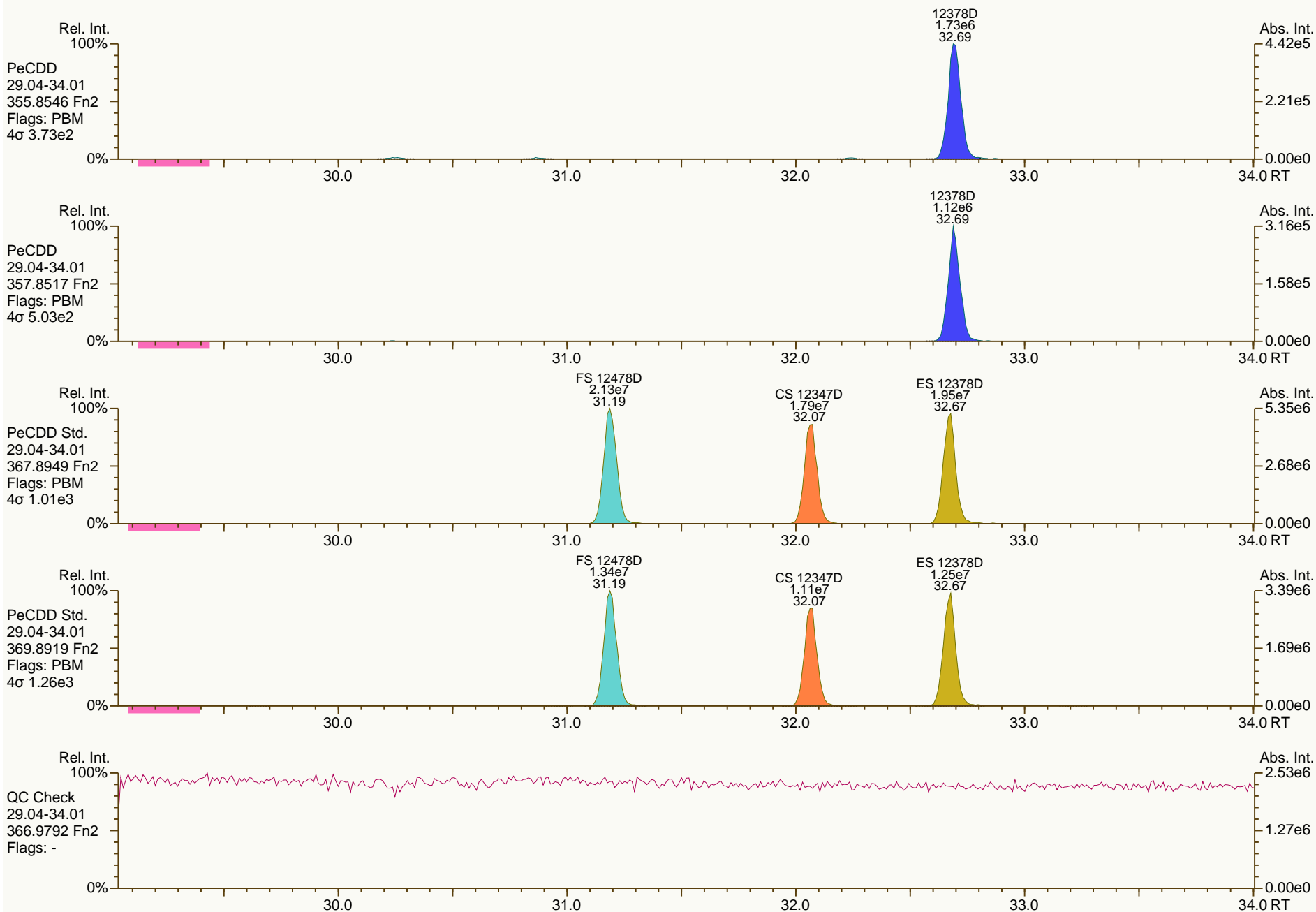
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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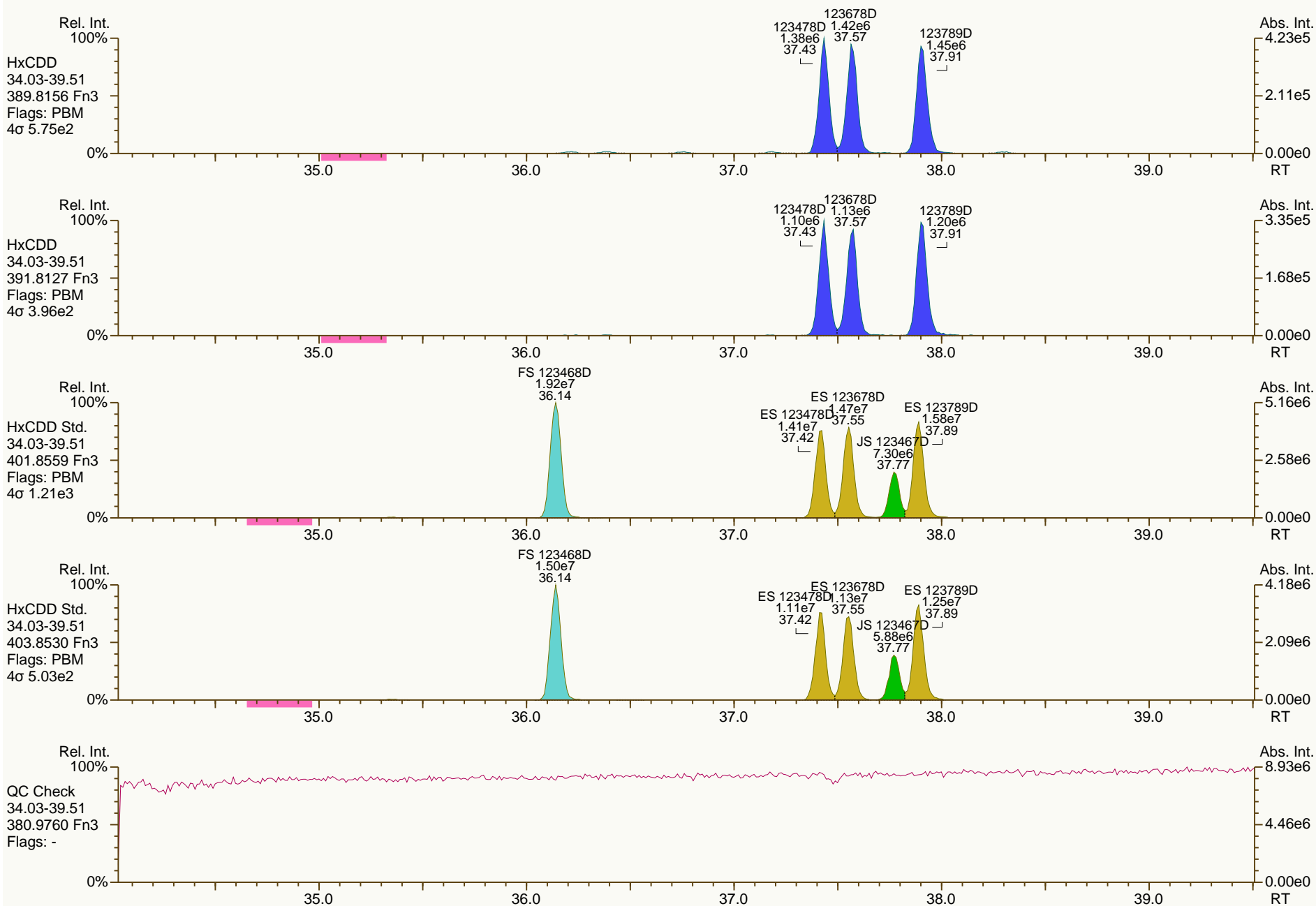
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

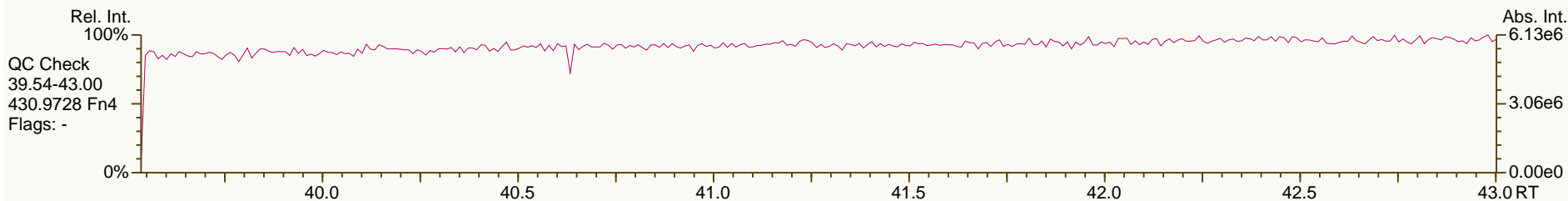
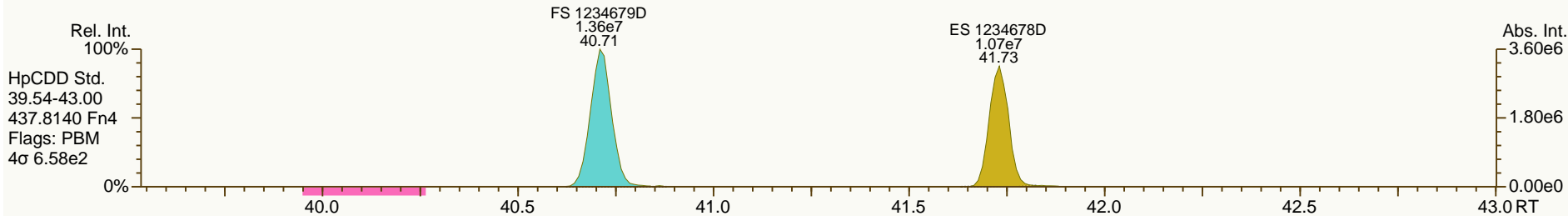
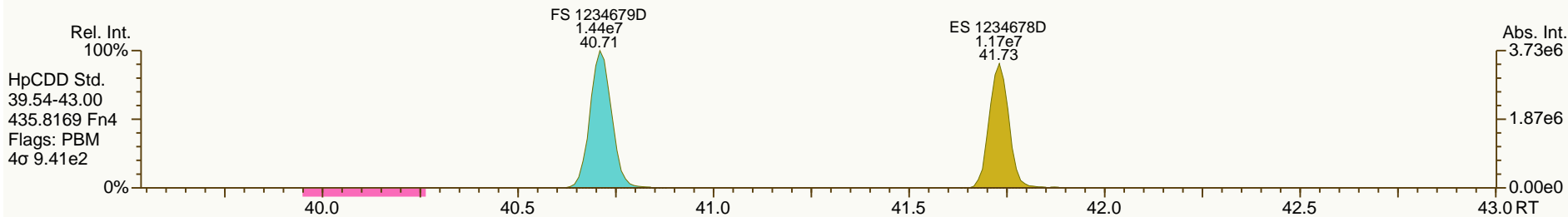
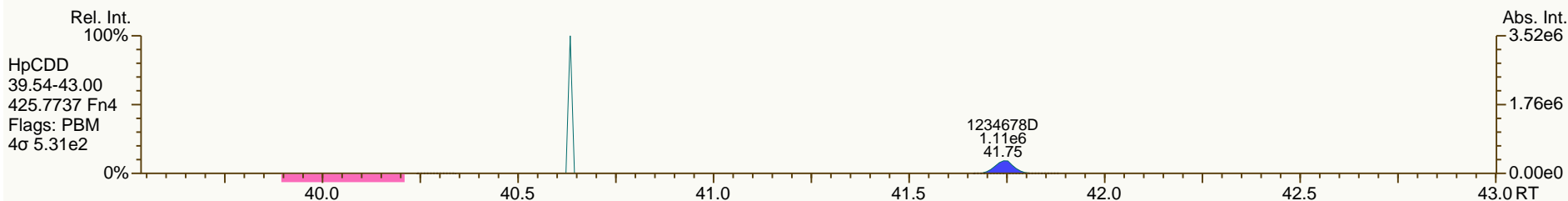
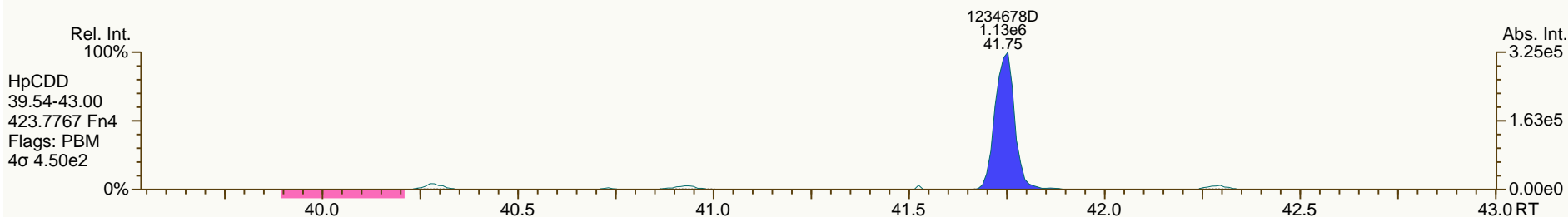
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

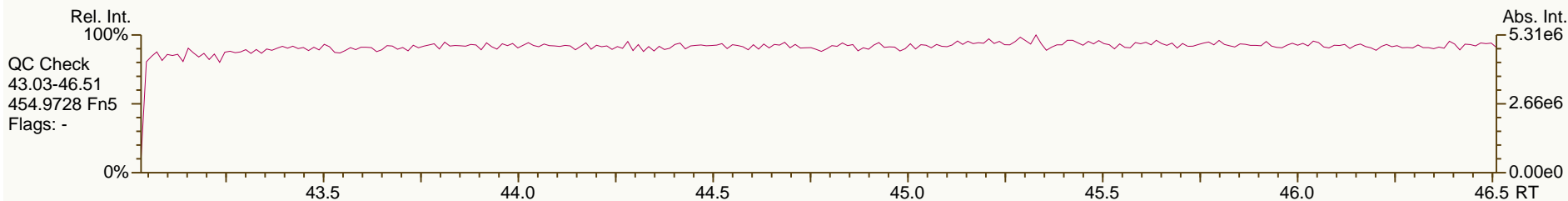
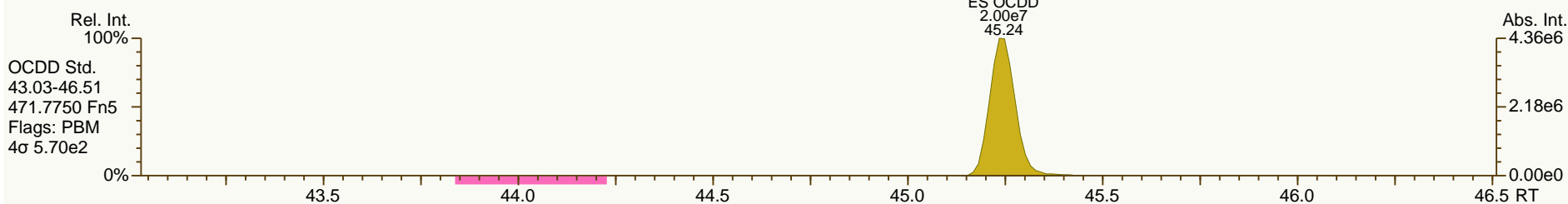
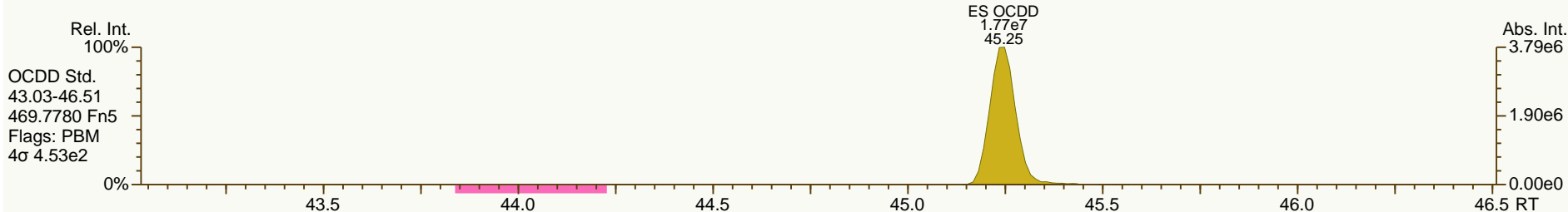
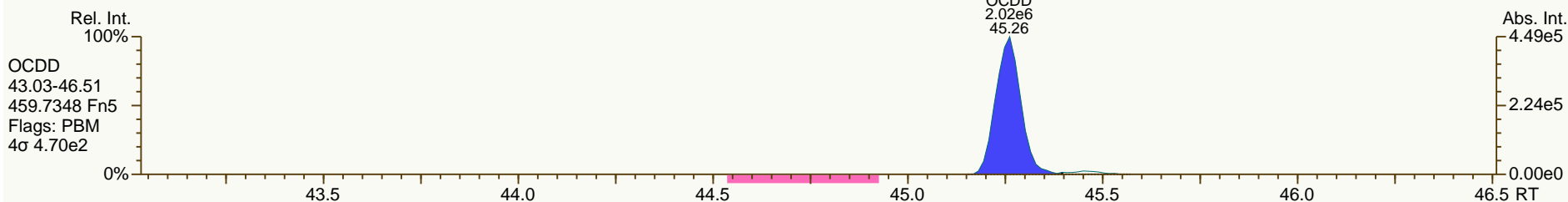
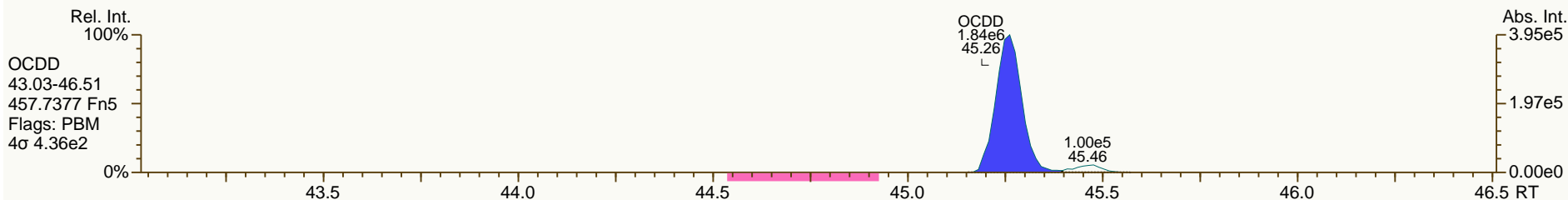
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User: MDC Datafile: 130213P2-04



SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

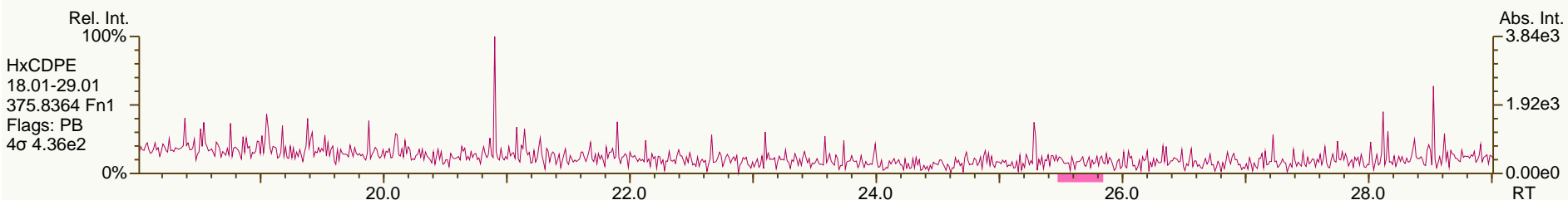
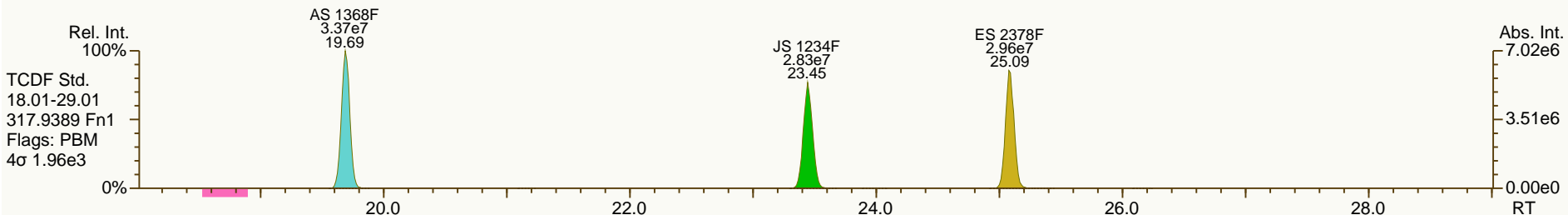
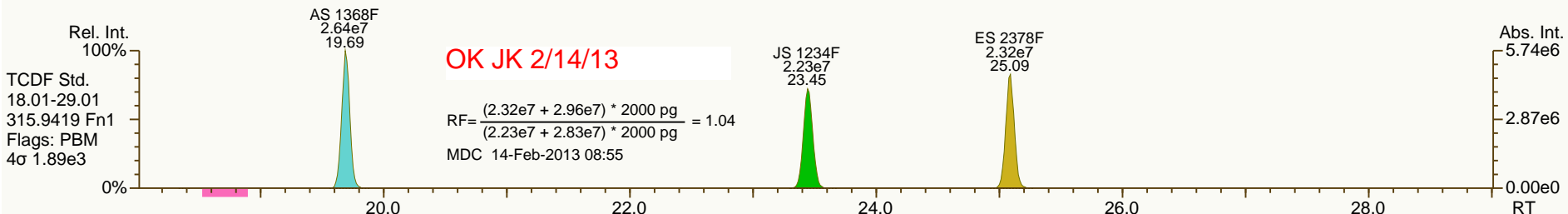
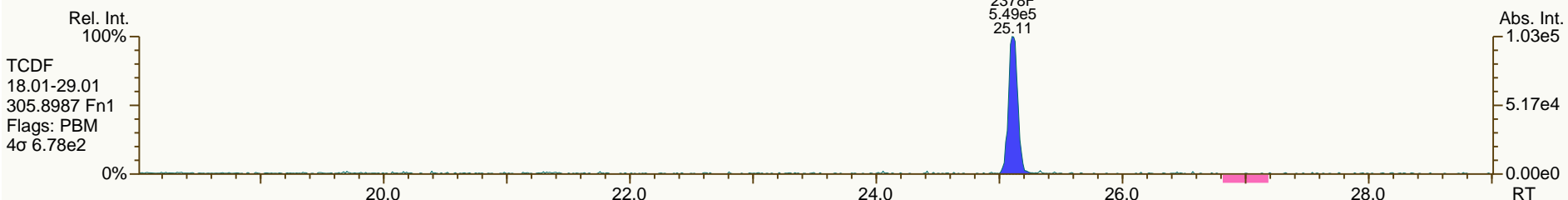
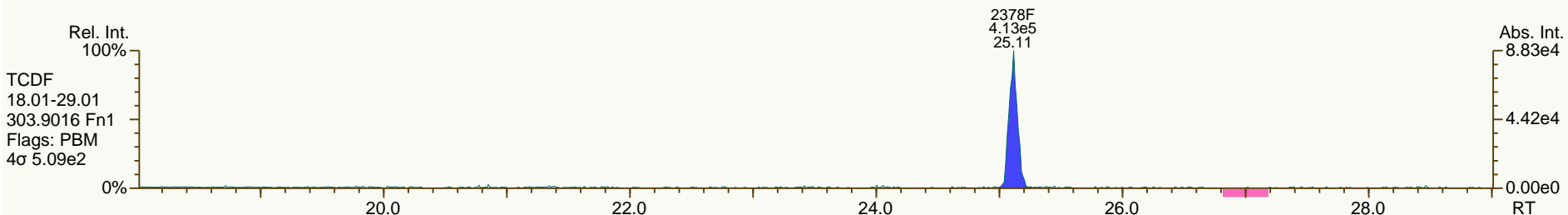
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SGS-AP ID: CS2
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
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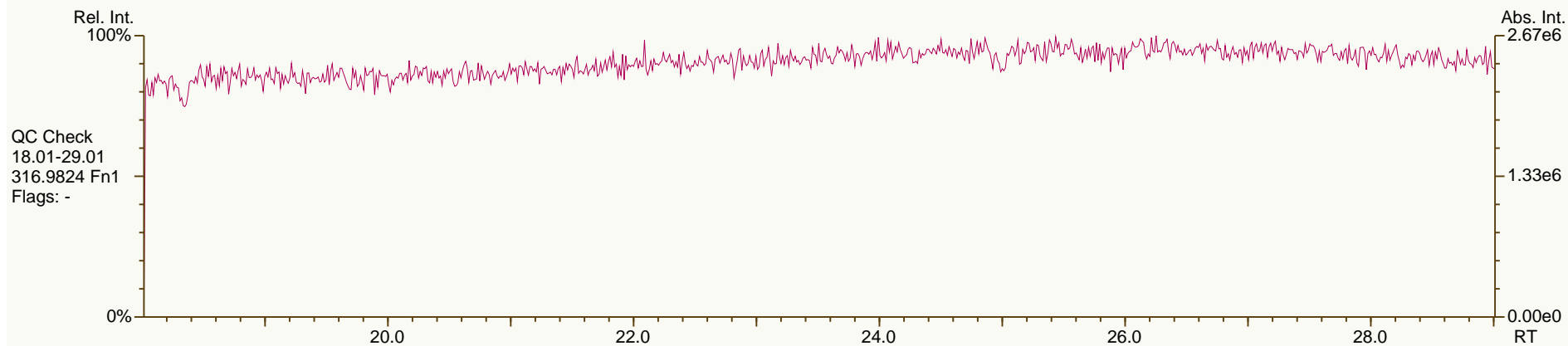
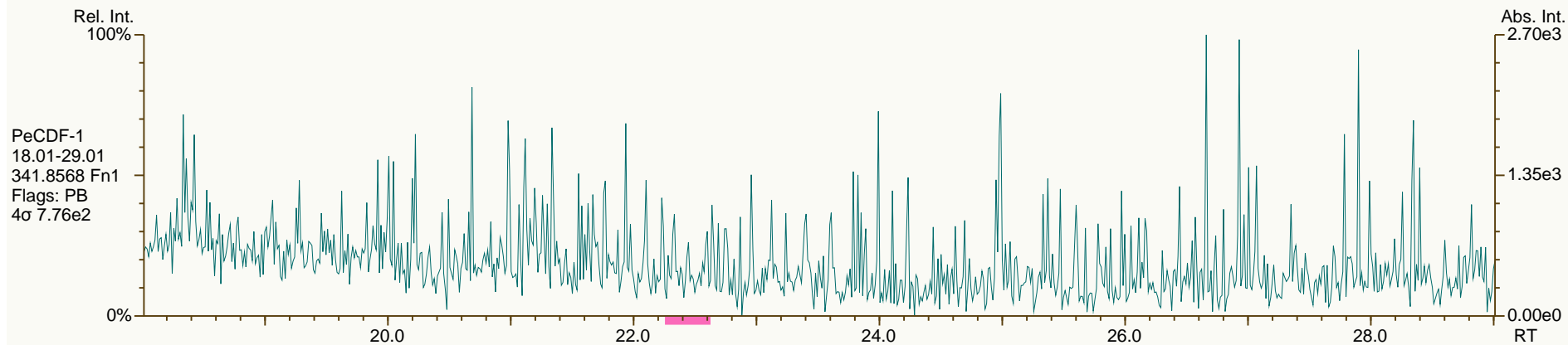
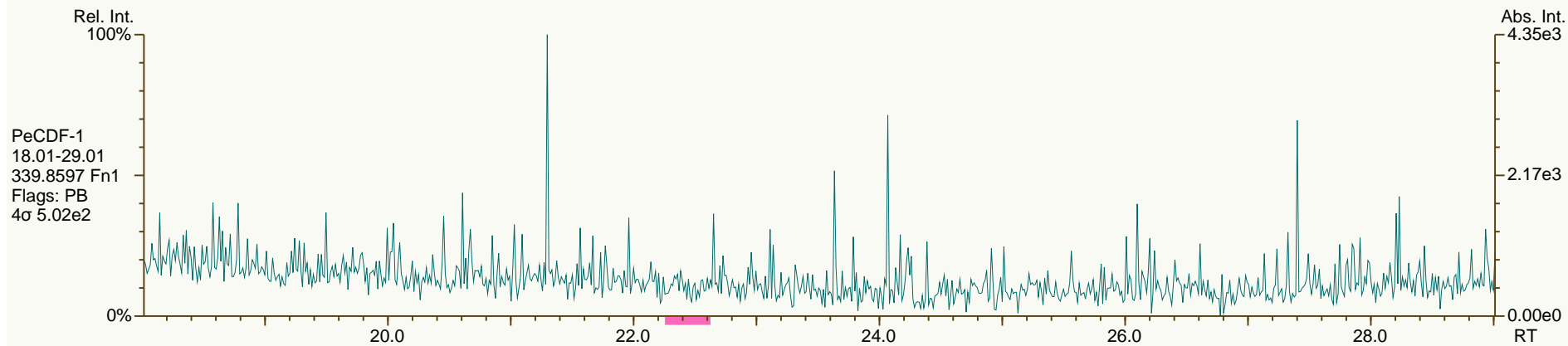
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

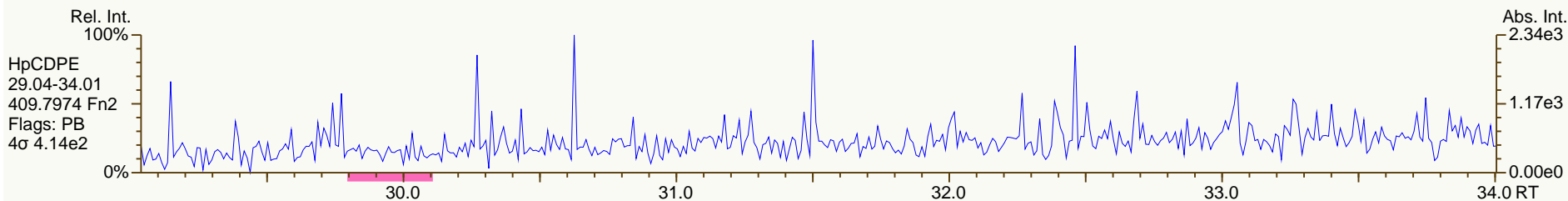
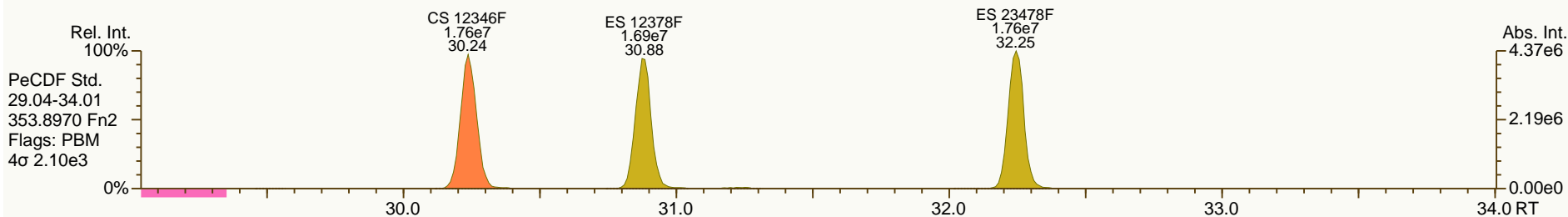
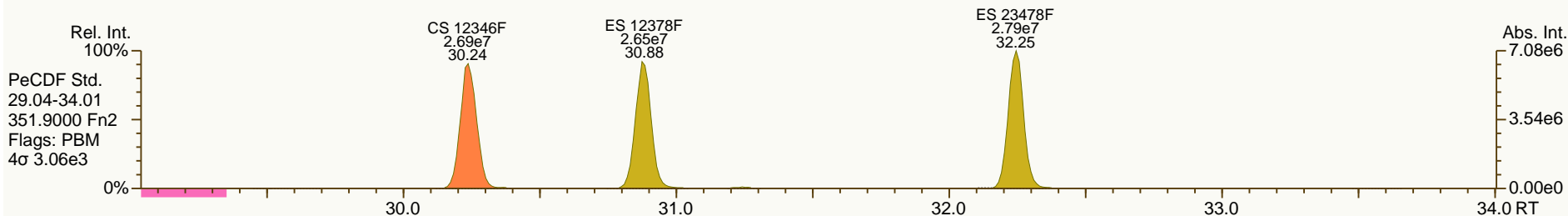
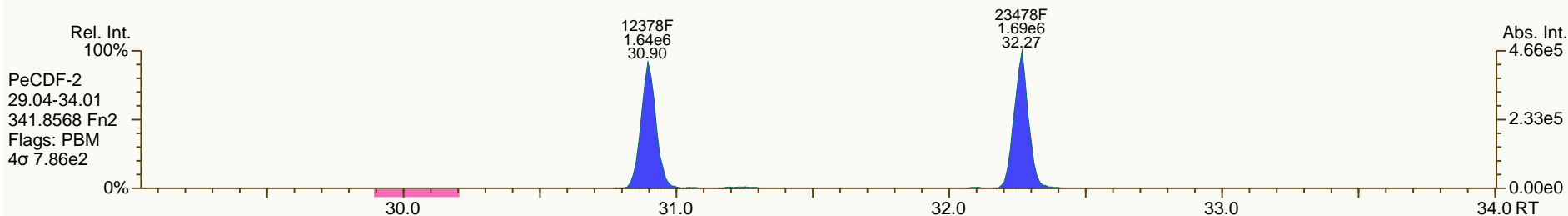
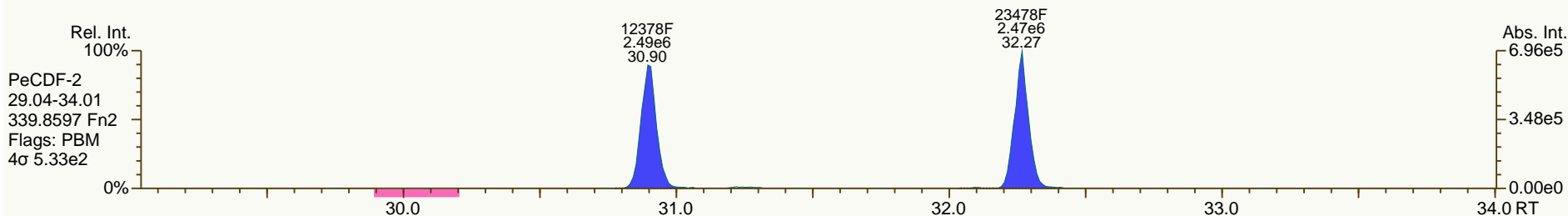
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

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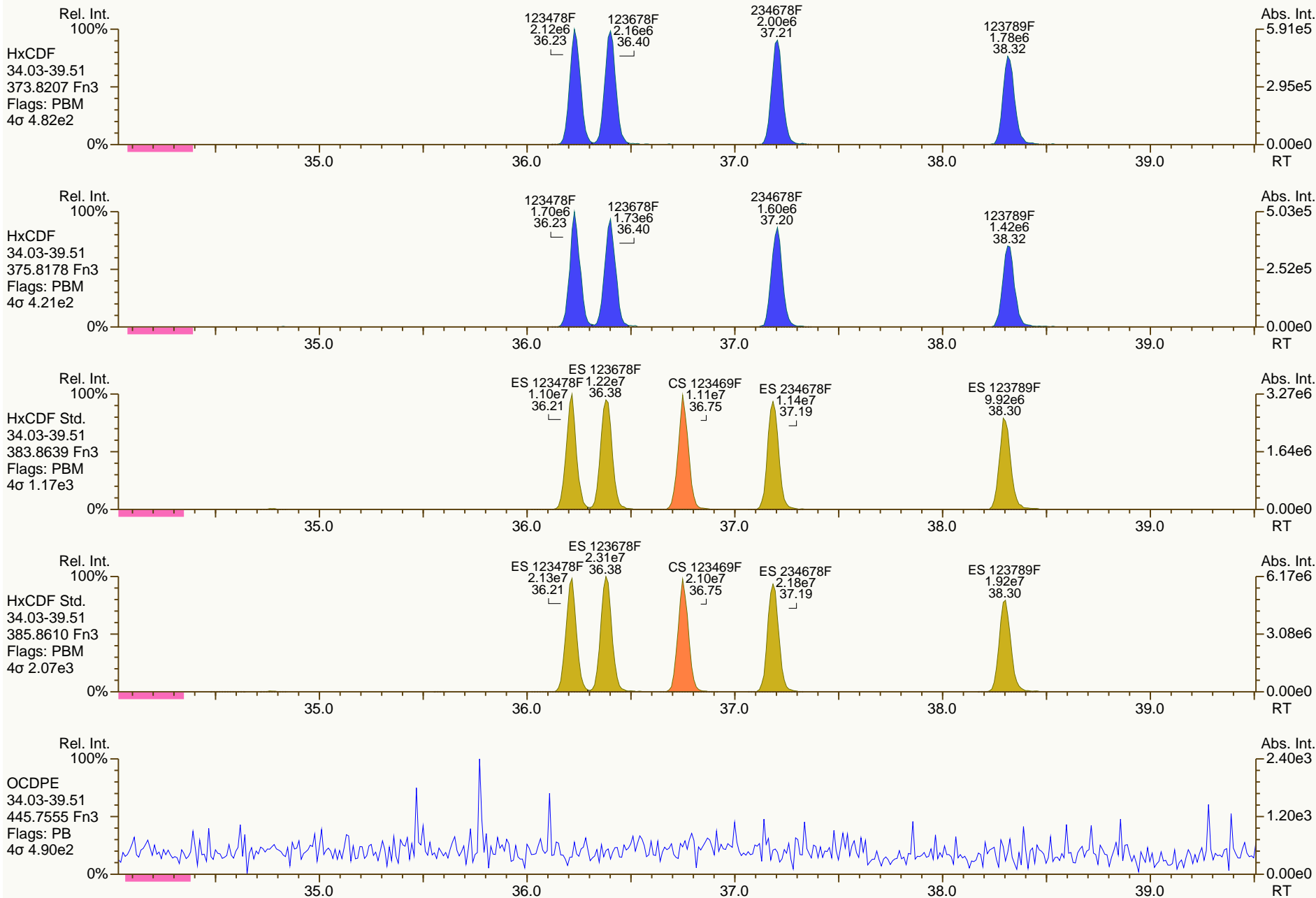
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

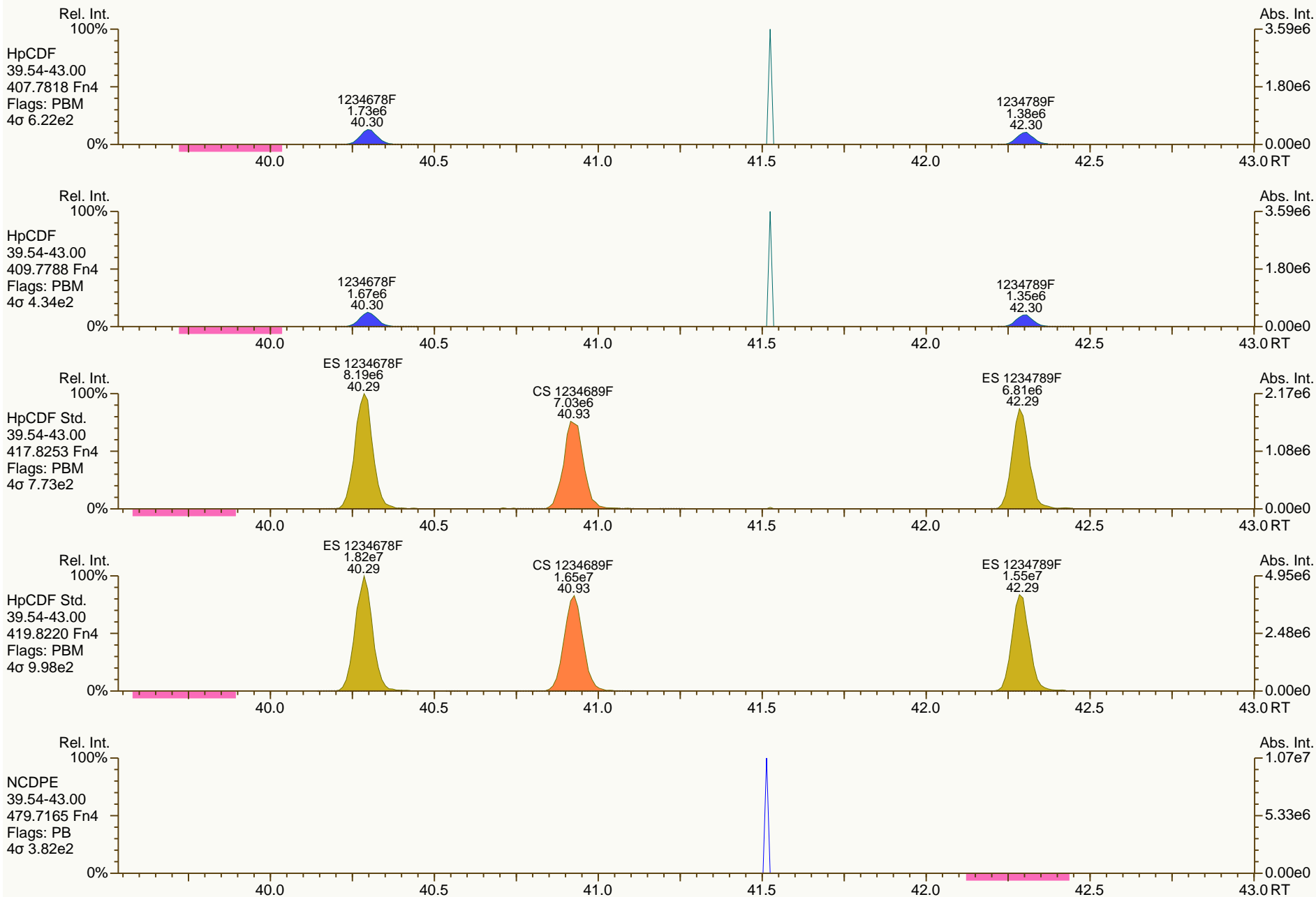
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

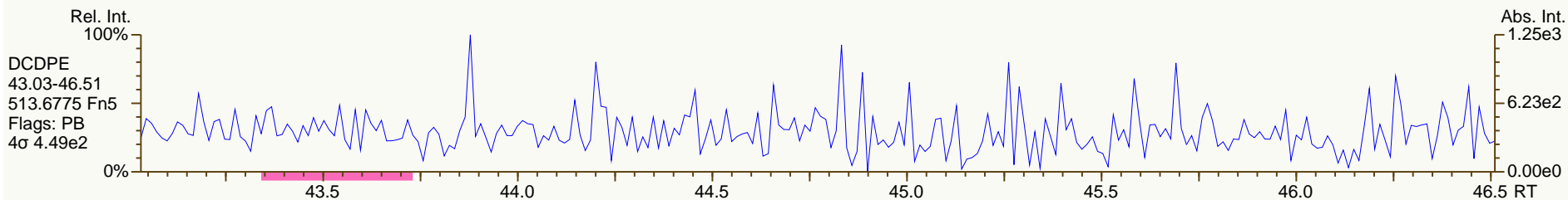
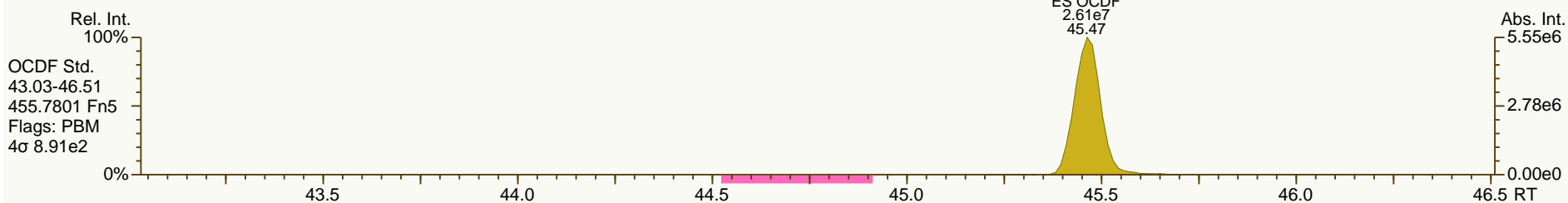
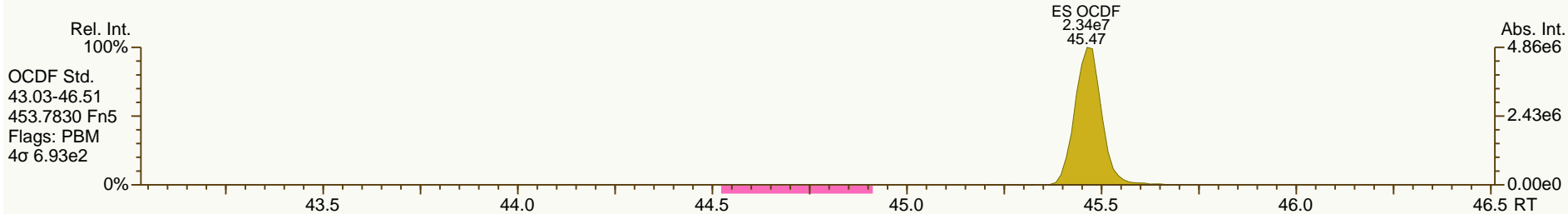
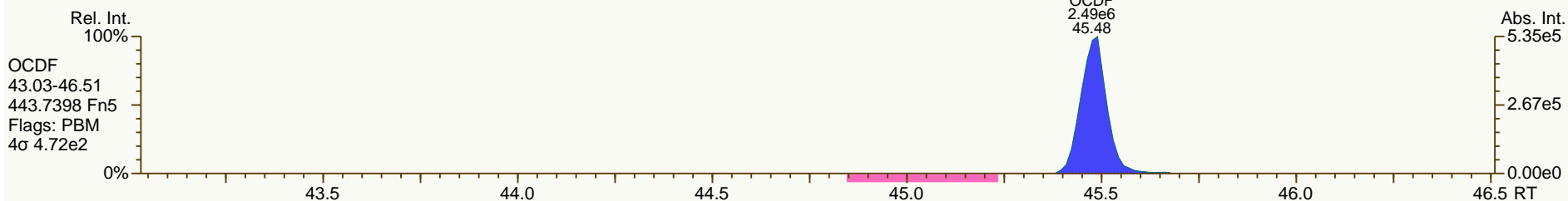
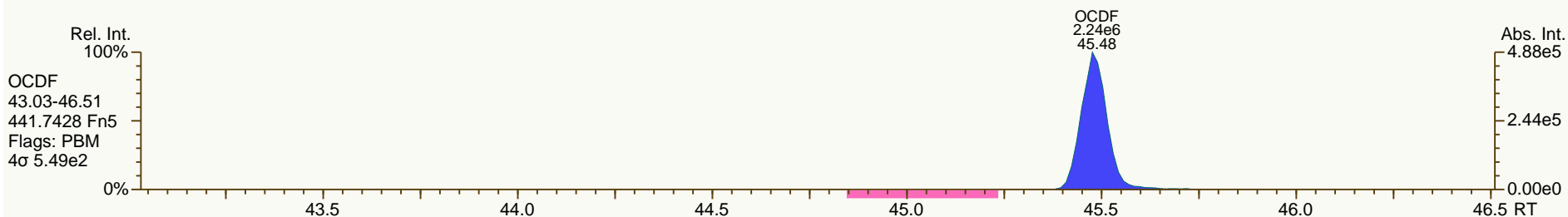
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SGS-AP ID: CS2
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 18

Acq: 13-FEB-2013 15:24:55
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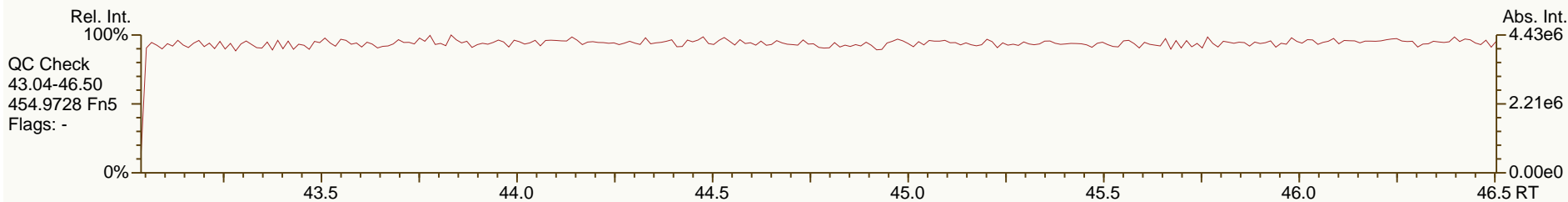
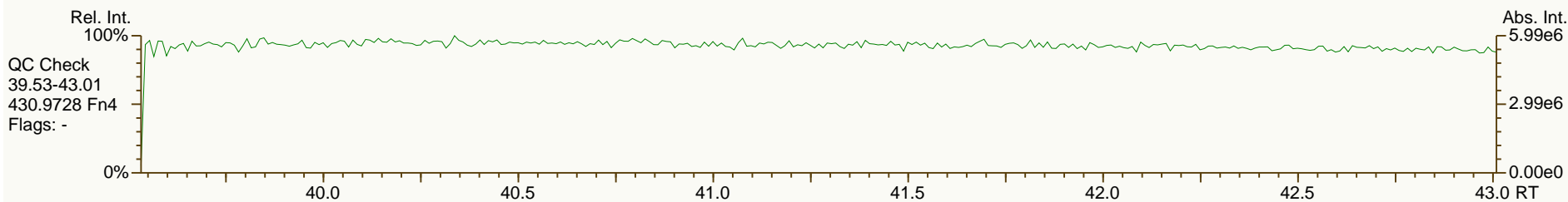
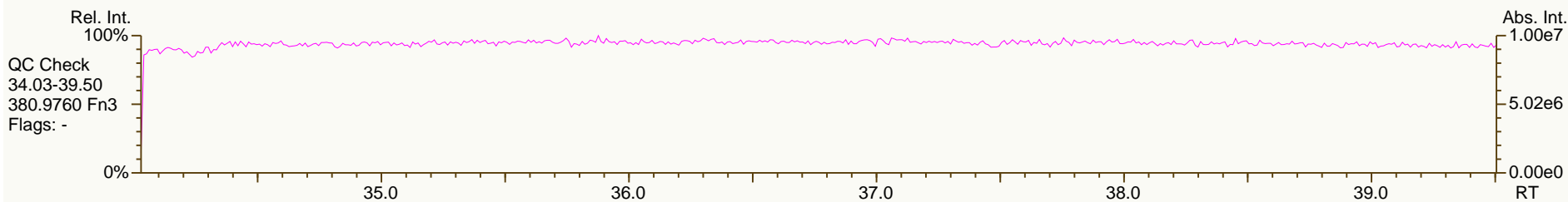
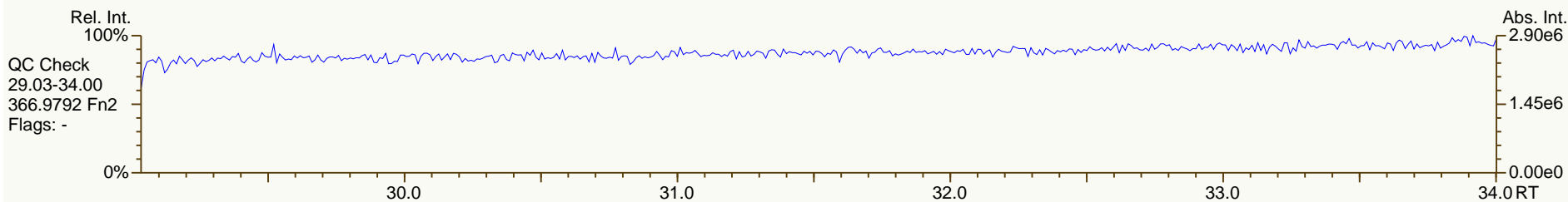
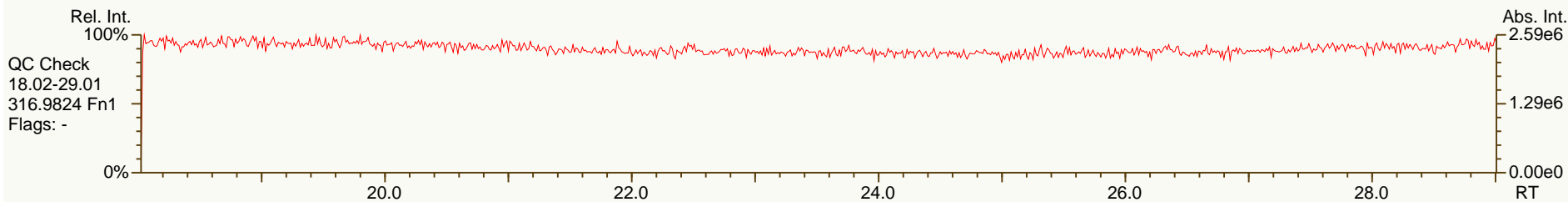
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944-SPB		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	3.53E+06	0.79	Y	1.06	1.07	0%
12378-PeCDD	32.69	1.33E+07	1.58	Y	0.94	0.94	1%
123478-HxCDD	37.43	1.17E+07	1.26	Y	1.02	1.06	3%
123678-HxCDD	37.56	1.19E+07	1.27	Y	1.04	1.03	-1%
123789-HxCDD	37.90	1.22E+07	1.26	Y	0.98	0.99	1%
1234678-HpCDD	41.74	1.05E+07	1.06	Y	1.02	1.02	0%
OCDD	45.26	1.81E+07	0.91	Y	1.08	1.10	2%
2378-TCDF	25.11	4.75E+06	0.79	Y	0.97	0.98	1%
12378-PeCDF	30.90	1.87E+07	1.48	Y	1.00	0.98	-1%
23478-PeCDF	32.26	1.99E+07	1.53	Y	0.96	0.97	0%
123478-HxCDF	36.23	1.77E+07	1.24	Y	1.23	1.25	1%
123678-HxCDF	36.40	1.81E+07	1.25	Y	1.14	1.14	1%
234678-HxCDF	37.20	1.69E+07	1.25	Y	1.14	1.15	1%
123789-HxCDF	38.32	1.49E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.30	1.59E+07	1.05	Y	1.34	1.35	1%
1234789-HpCDF	42.30	1.28E+07	1.03	Y	1.30	1.31	1%
OCDF	45.48	2.20E+07	0.90	Y	1.00	1.01	1%
ES 2378-TCDD	26.14	3.30E+07	0.78	Y	1.01	1.00	-1%
ES 12378-PeCDD	32.67	2.82E+07	1.56	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.22E+07	1.27	Y	0.99	0.95	-4%
ES 123678-HxCDD	37.55	2.31E+07	1.26	Y	1.02	0.99	-3%
ES 123789-HxCDD	37.89	2.47E+07	1.27	Y	1.12	1.06	-5%
ES 1234678-HpCDD	41.73	2.05E+07	1.06	Y	0.90	0.88	-3%
ES OCDD	45.24	3.29E+07	0.91	Y	0.74	0.70	-5%
ES 2378-TCDF	25.09	4.84E+07	0.79	Y	1.05	1.04	-1%
ES 12378-PeCDF	30.88	3.82E+07	1.56	Y	0.88	0.82	-6%
ES 23478-PeCDF	32.24	4.13E+07	1.55	Y	0.91	0.89	-2%
ES 123478-HxCDF	36.21	2.84E+07	0.53	Y	1.25	1.21	-3%
ES 123678-HxCDF	36.38	3.16E+07	0.52	Y	1.40	1.35	-3%
ES 234678-HxCDF	37.18	2.93E+07	0.52	Y	1.29	1.26	-3%
ES 123789-HxCDF	38.30	2.60E+07	0.52	Y	1.17	1.12	-4%
ES 1234678-HpCDF	40.28	2.35E+07	0.44	Y	1.03	1.01	-2%
ES 1234789-HpCDF	42.28	1.95E+07	0.43	Y	0.89	0.84	-6%
ES OCDF	45.46	4.37E+07	0.90	Y	1.00	0.94	-6%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 16:16 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS3		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 004-944		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-05		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.30E+07	0.79	Y	-	-	-
JS 1234-TCDF	23.45	4.64E+07	0.77	Y	-	-	-
JS 123467-HxCDD	37.77	1.17E+07	1.29	Y	-	-	-
CS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.10	1.07	-3%
CS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.79	0.78	-2%
CS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.87	0.86	-1%
CS 123469-HxCDF	36.75	2.83E+07	0.51	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.89	0.89	-1%
SS 37C1-2378-TCDD	26.17	3.53E+06	n/a	-	1.09	1.07	-2%
SS 12347-PeCDD	32.06	2.57E+07	1.59	Y	0.89	0.91	3%
SS 12346-PeCDF	30.24	3.98E+07	1.57	Y	0.99	1.04	6%
SS 123469-HxCDF	36.75	2.83E+07	0.51	Y	0.87	0.90	3%
SS 1234689-HpCDF	40.92	2.07E+07	0.43	Y	0.87	0.88	1%
AS 1368-TCDD	21.75	3.27E+07	0.79	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.52E+07	0.79	Y	1.20	1.19	-1%
FS 1278-TCDD	26.55	3.92E+07	0.78	Y	1.18	1.19	0%
FS 12478-PeCDD	31.19	3.08E+07	1.61	Y	1.07	1.09	2%
FS 123468-HxCDD	36.14	2.91E+07	1.26	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.71	2.45E+07	1.07	Y	1.18	1.20	1%
TS 1378-TCDD	24.15	3.73E+07	0.78	Y	1.12	1.13	1%
OCDD-a	45.25	1.06E+06	2.49	Y	0.07	0.06	-3%
OCDF-a	45.47	1.33E+06	2.85	Y	0.06	0.06	-1%

SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

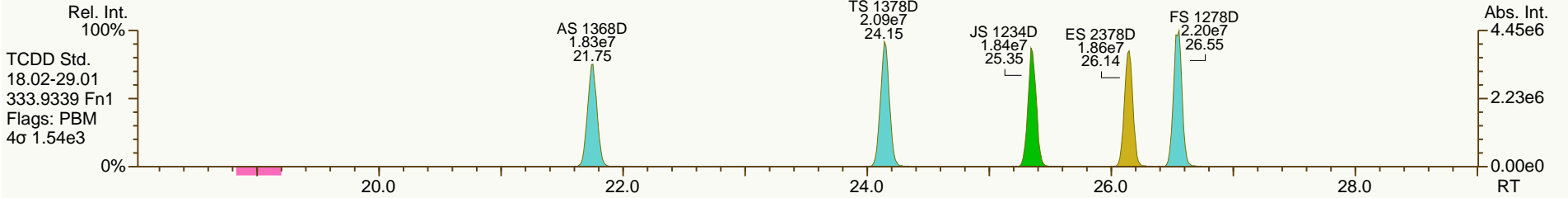
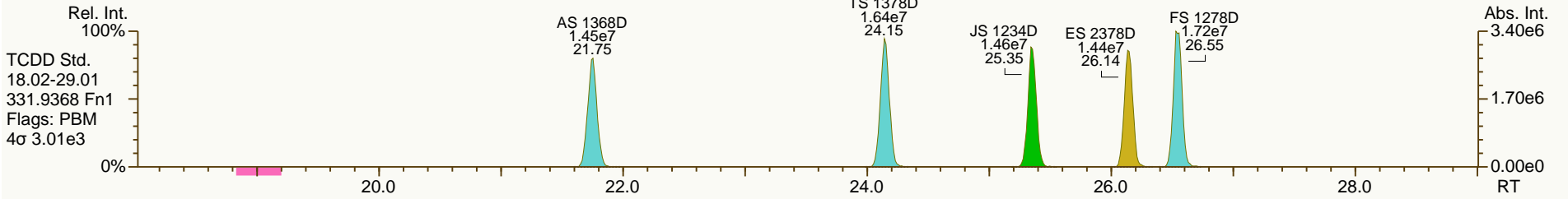
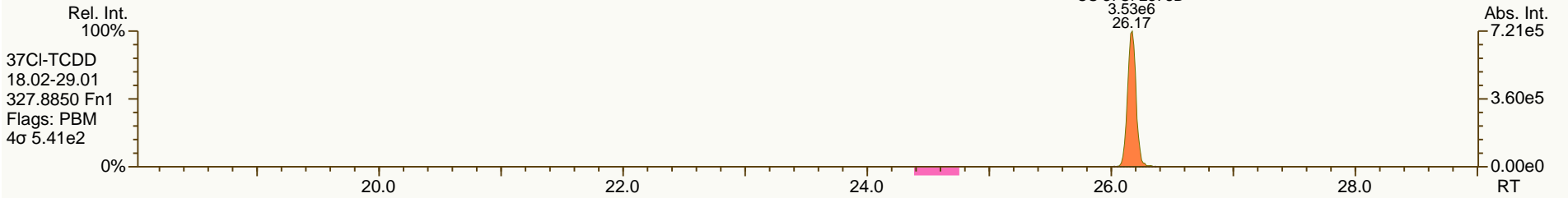
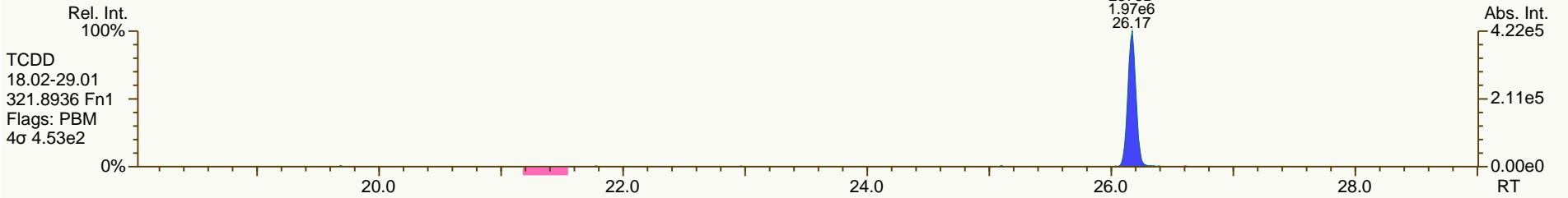
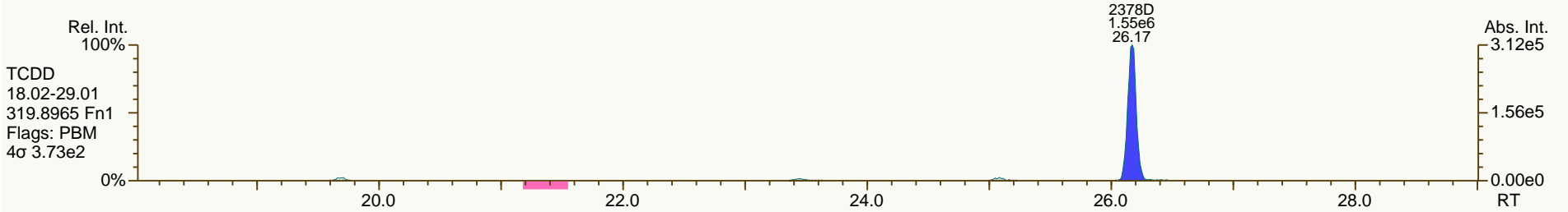
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

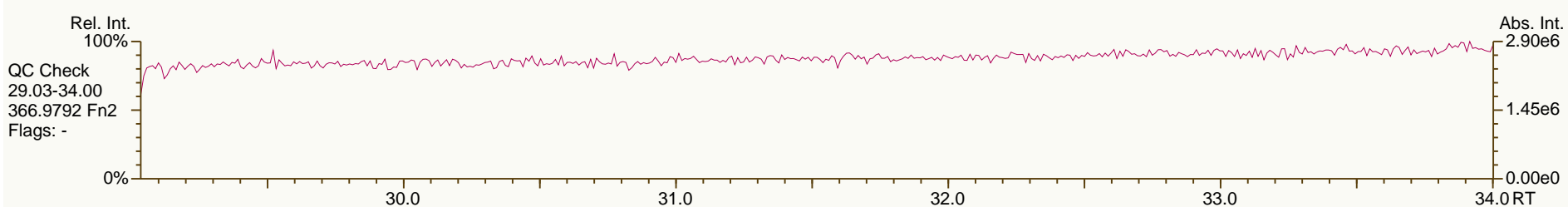
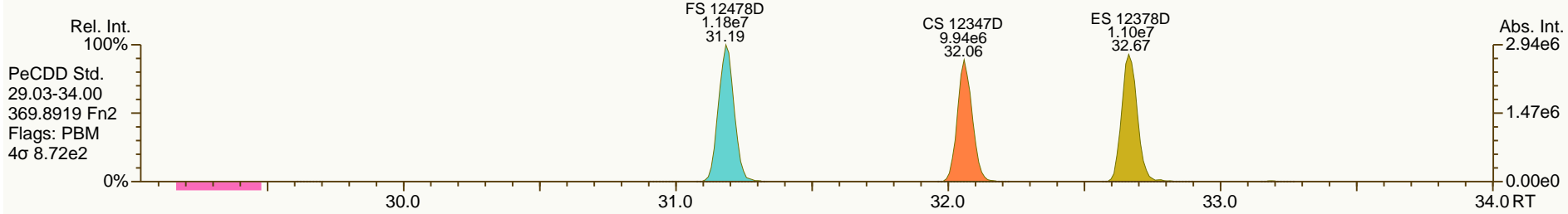
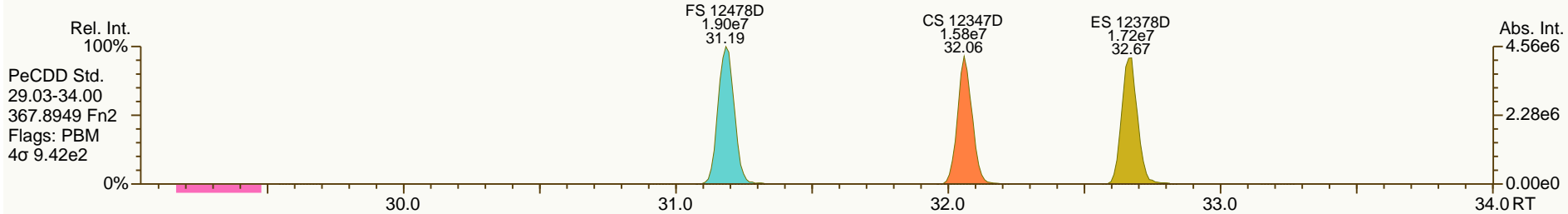
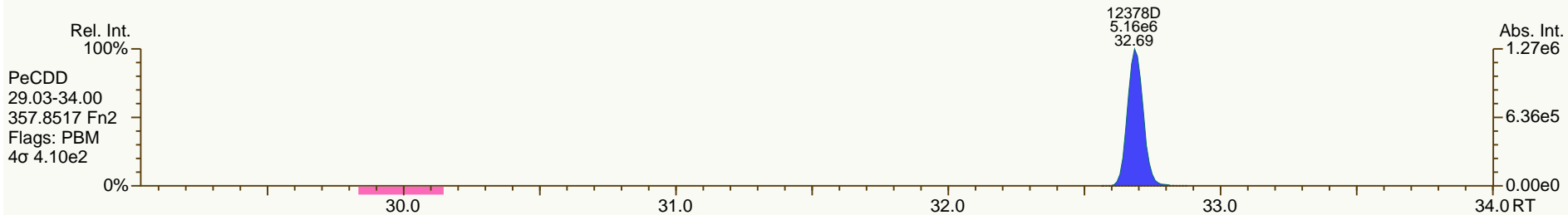
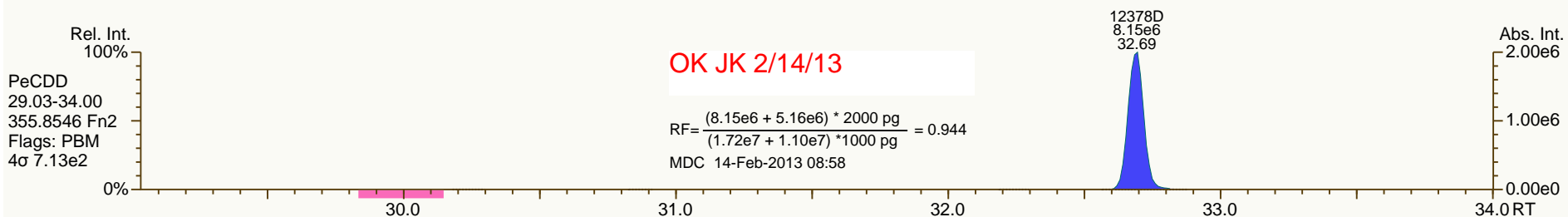
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

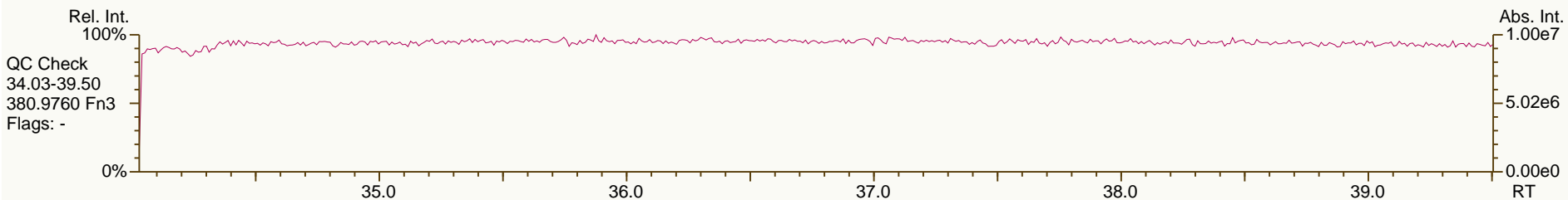
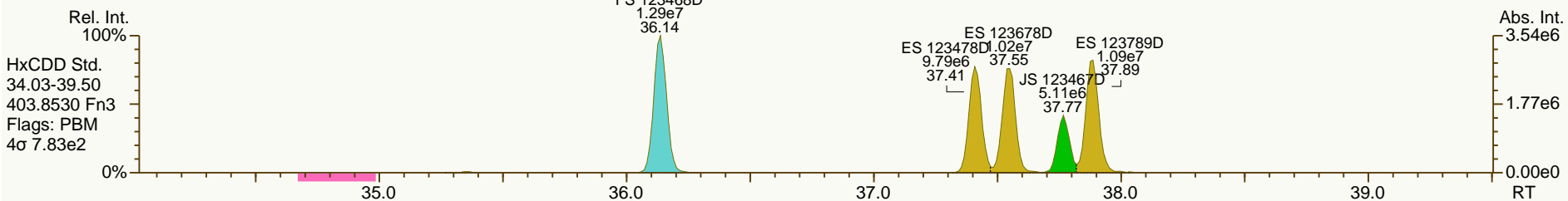
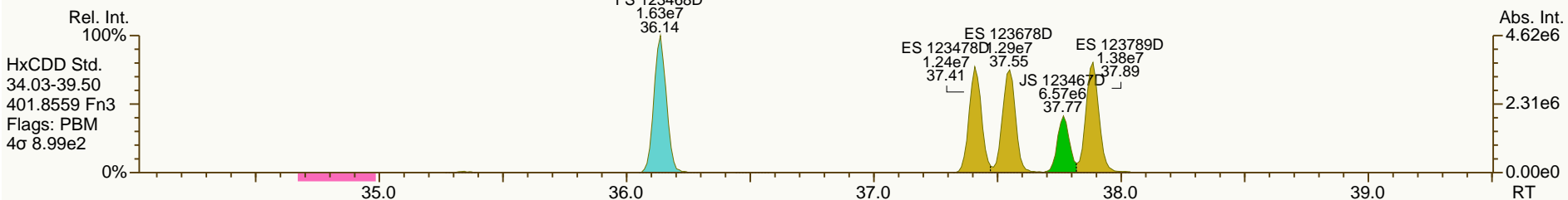
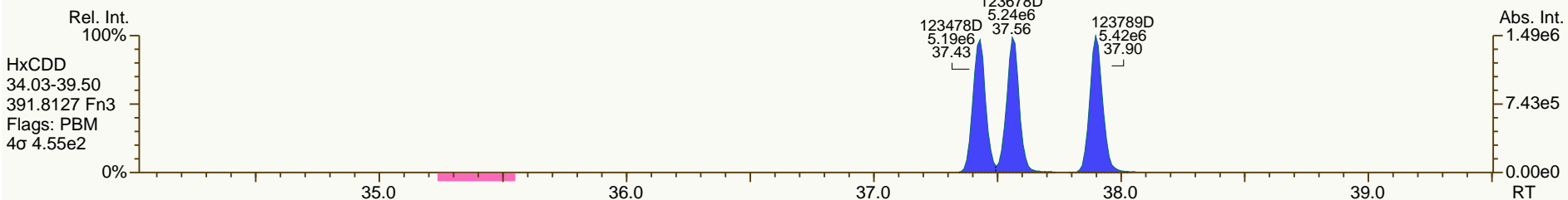
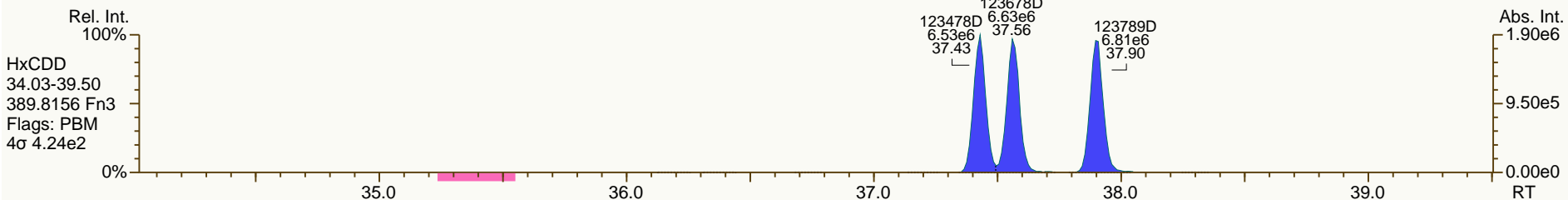
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

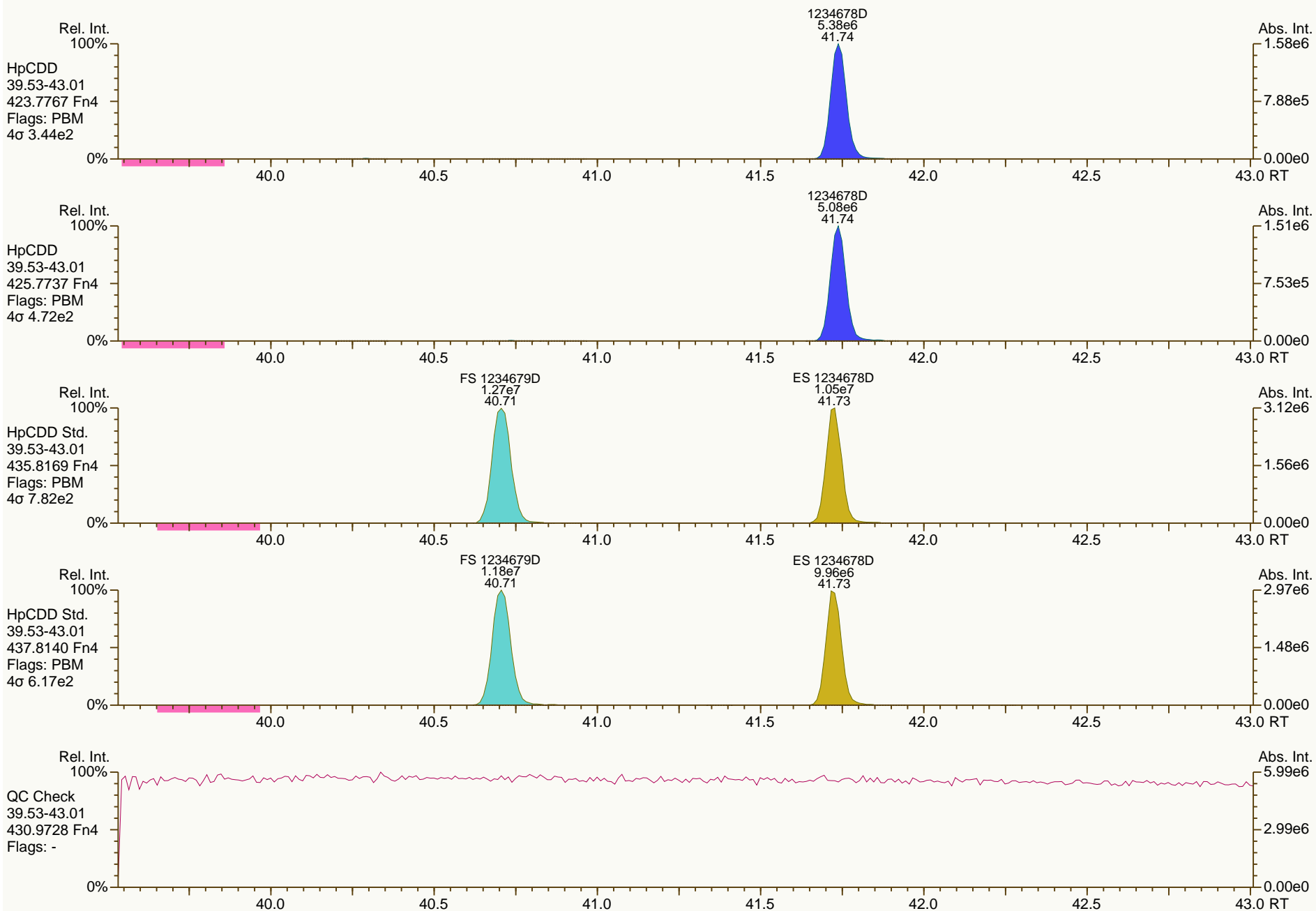
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

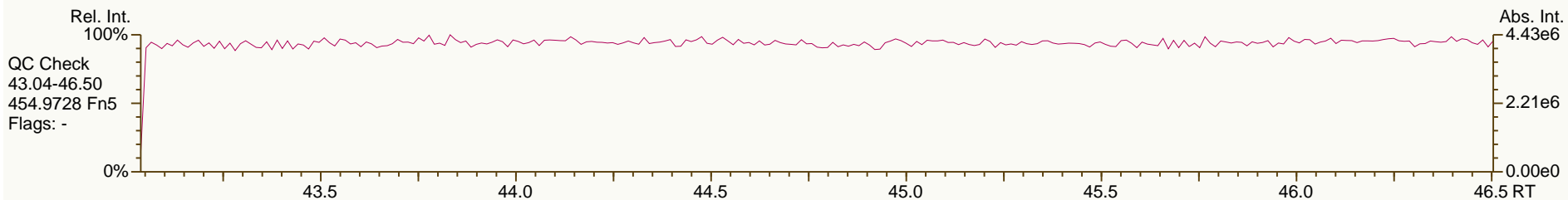
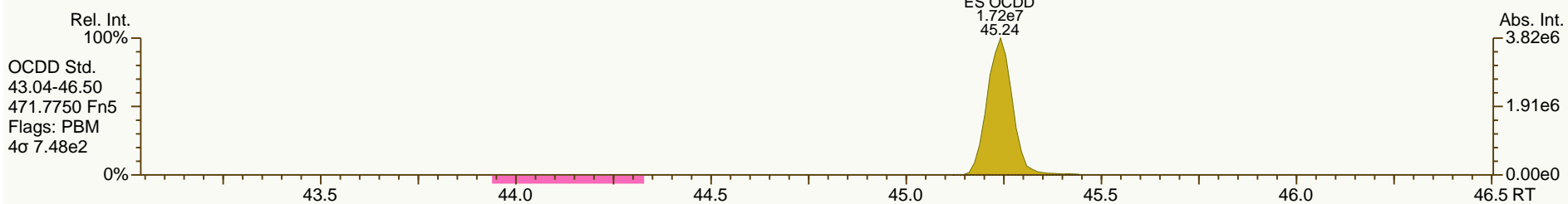
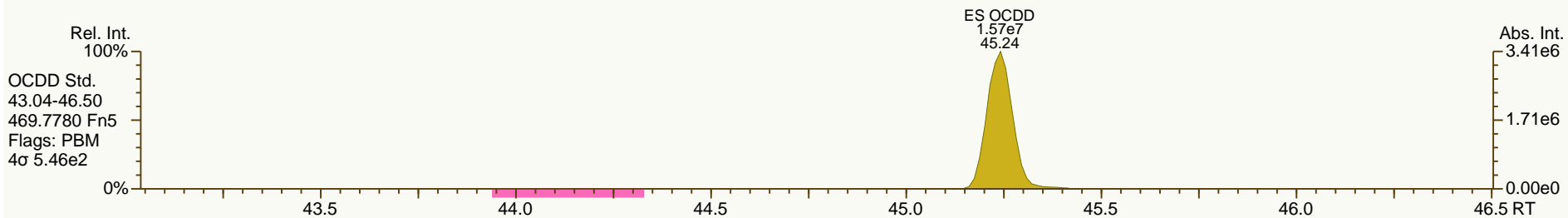
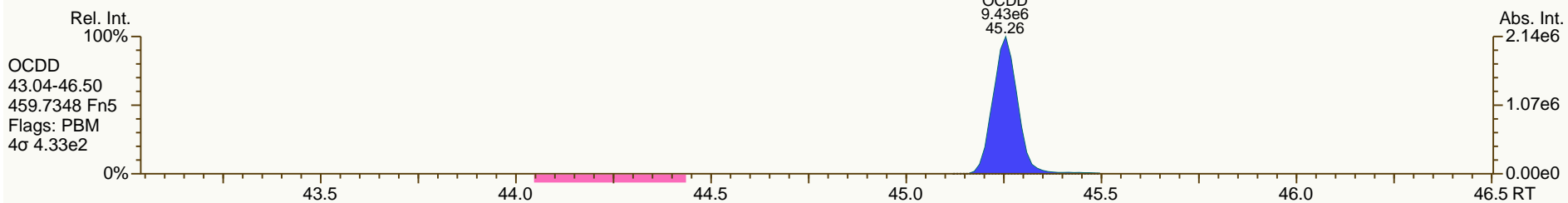
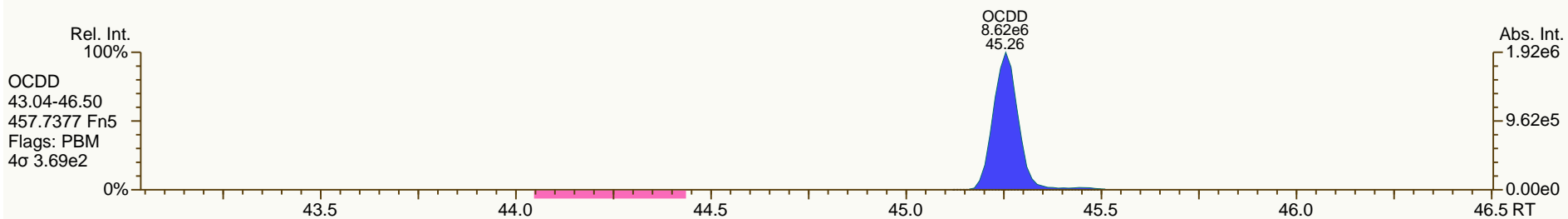
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User: MDC Datafile: 130213P2-05



SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

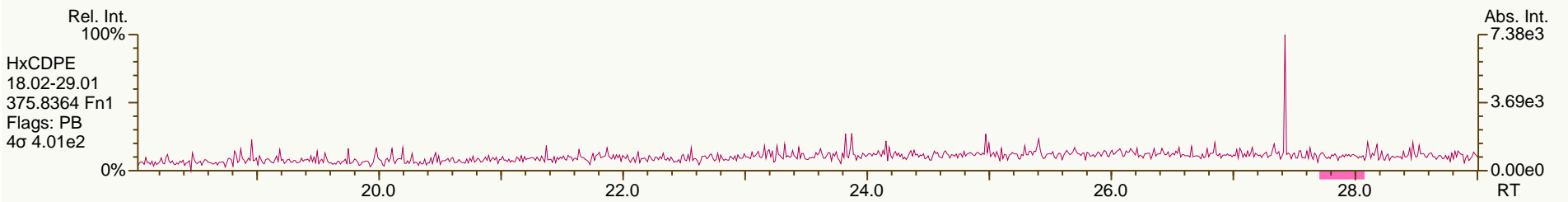
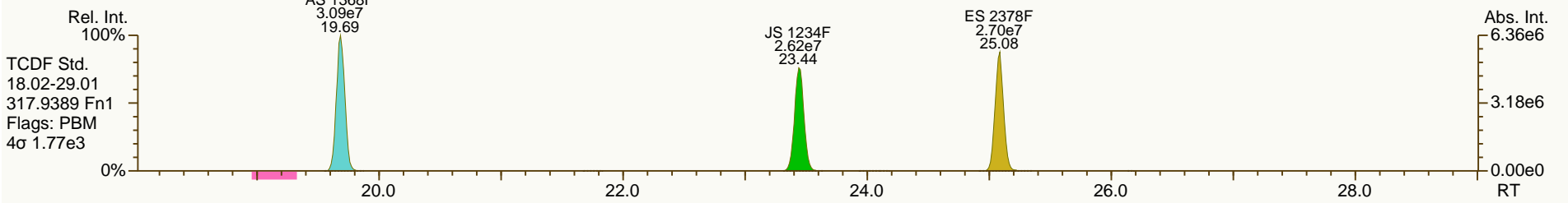
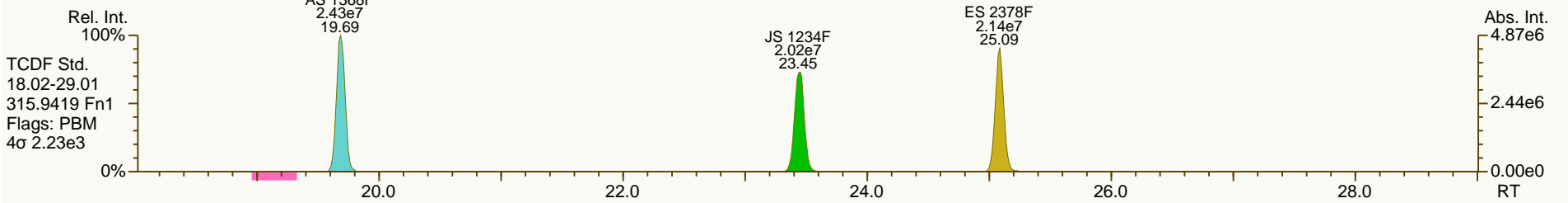
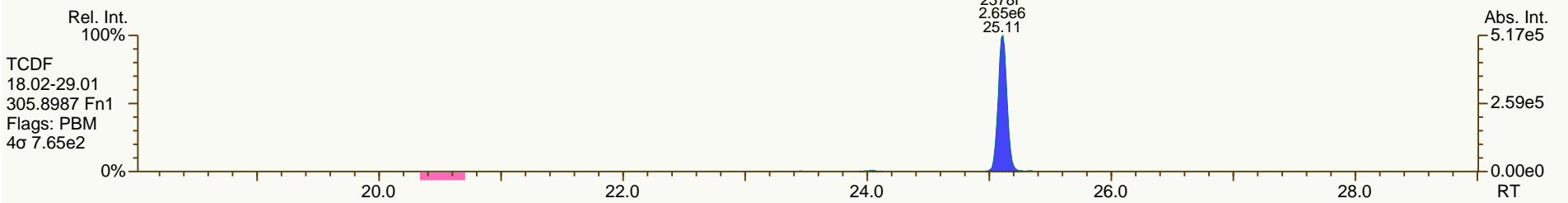
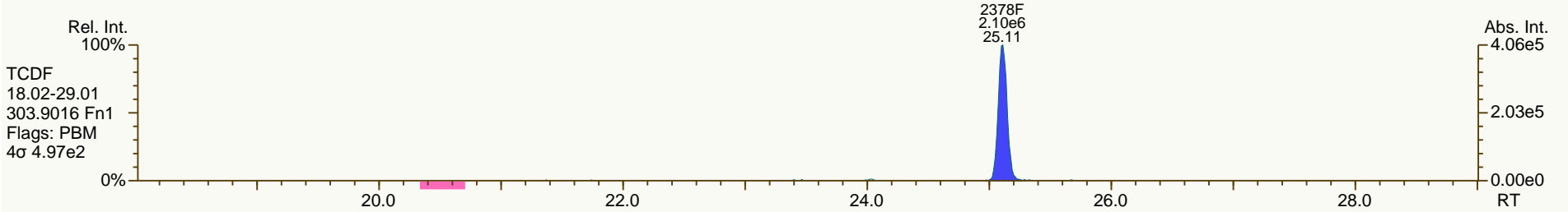
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

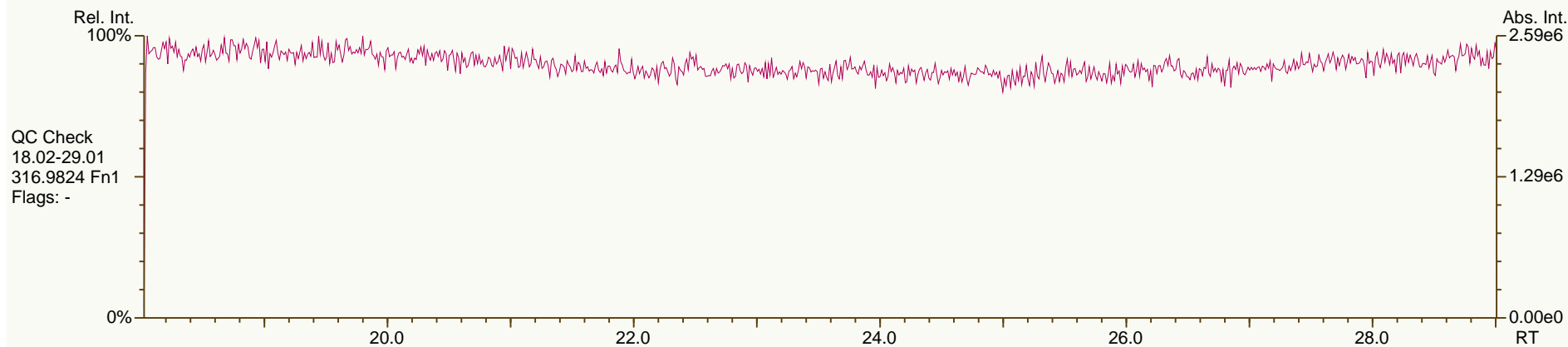
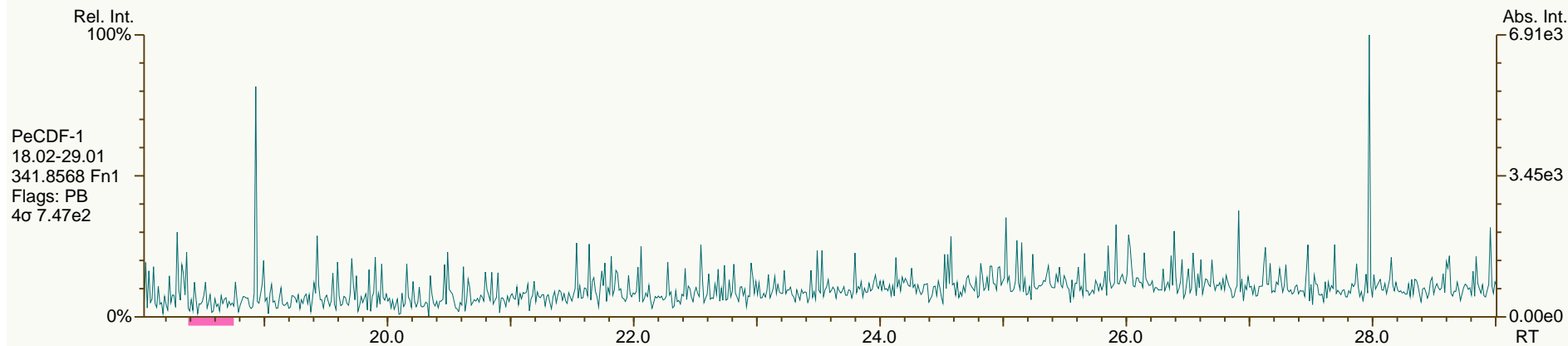
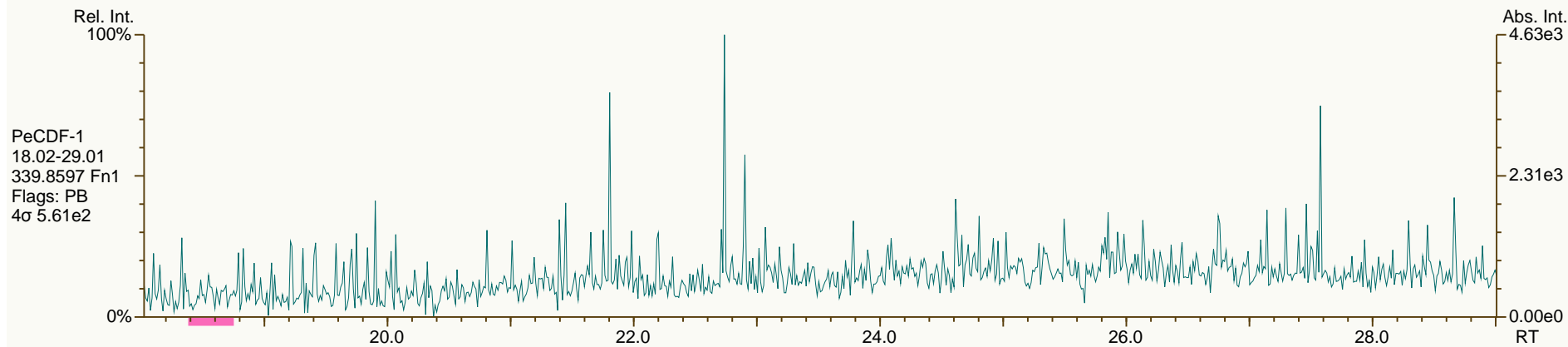
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

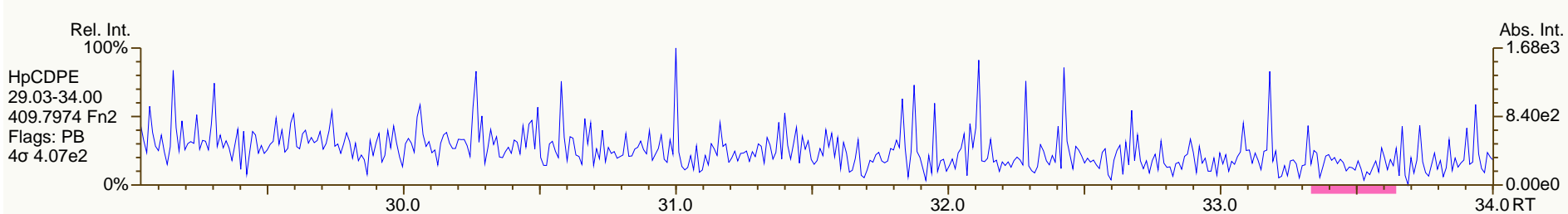
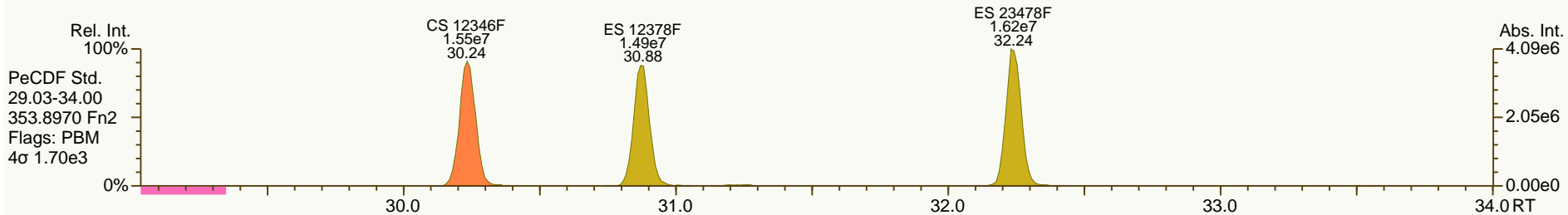
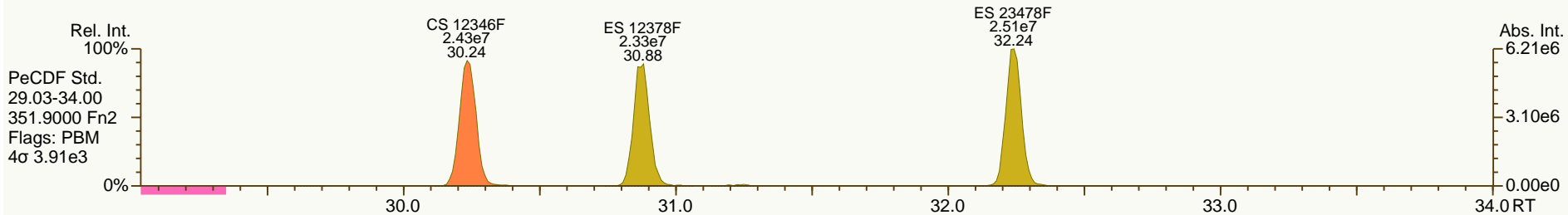
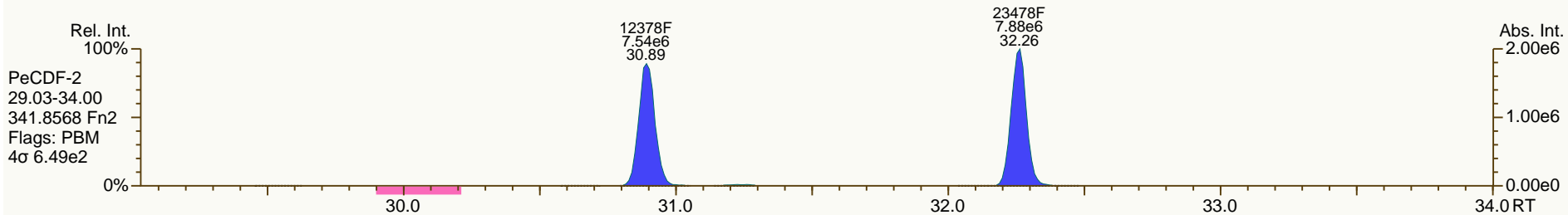
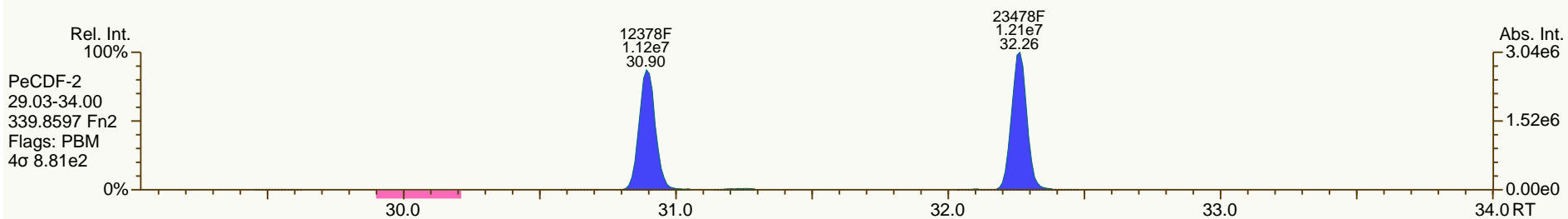
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

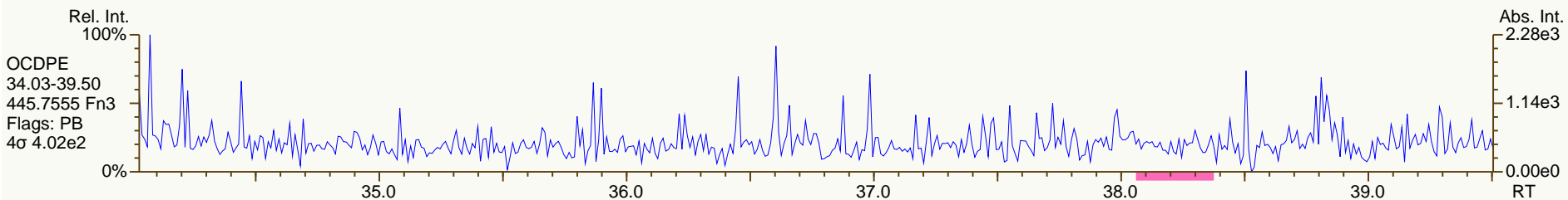
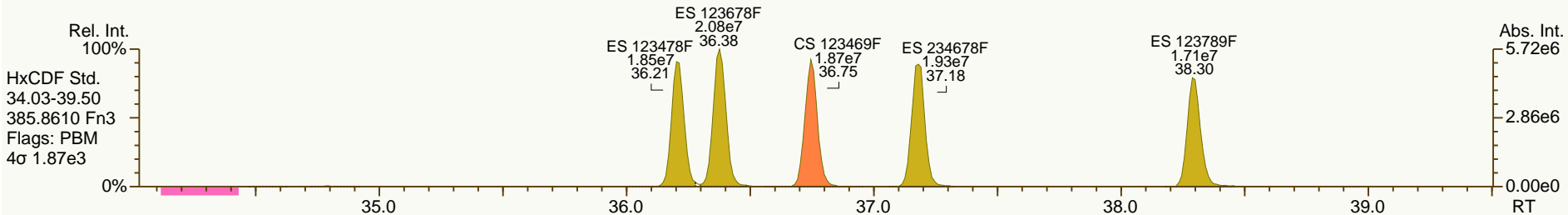
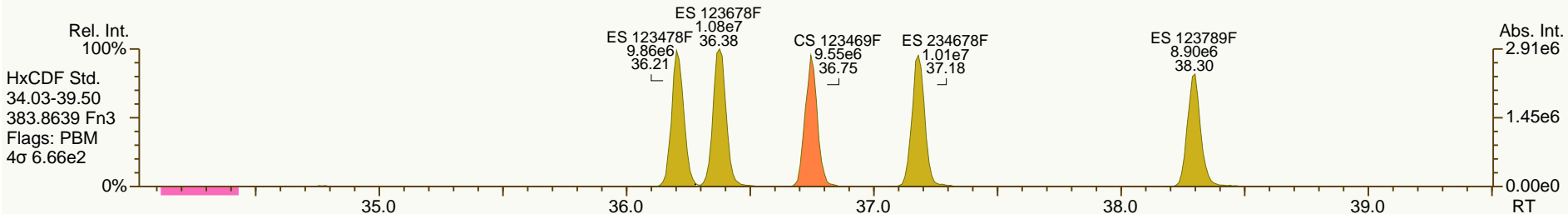
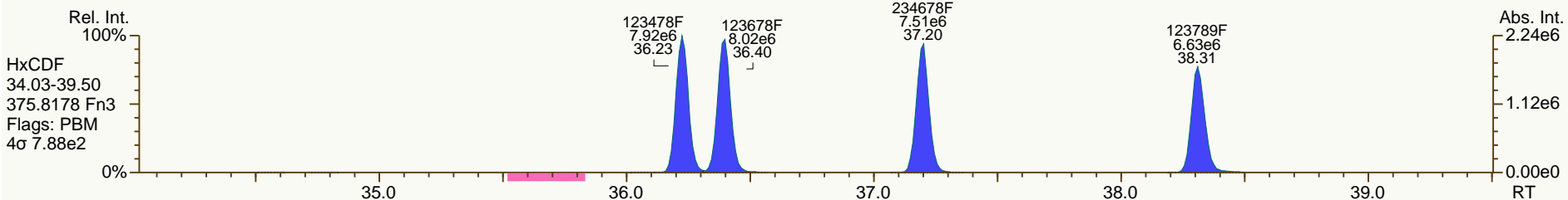
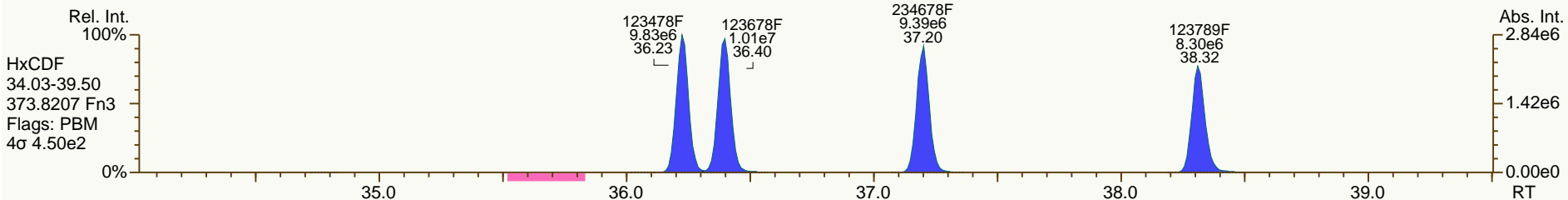
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

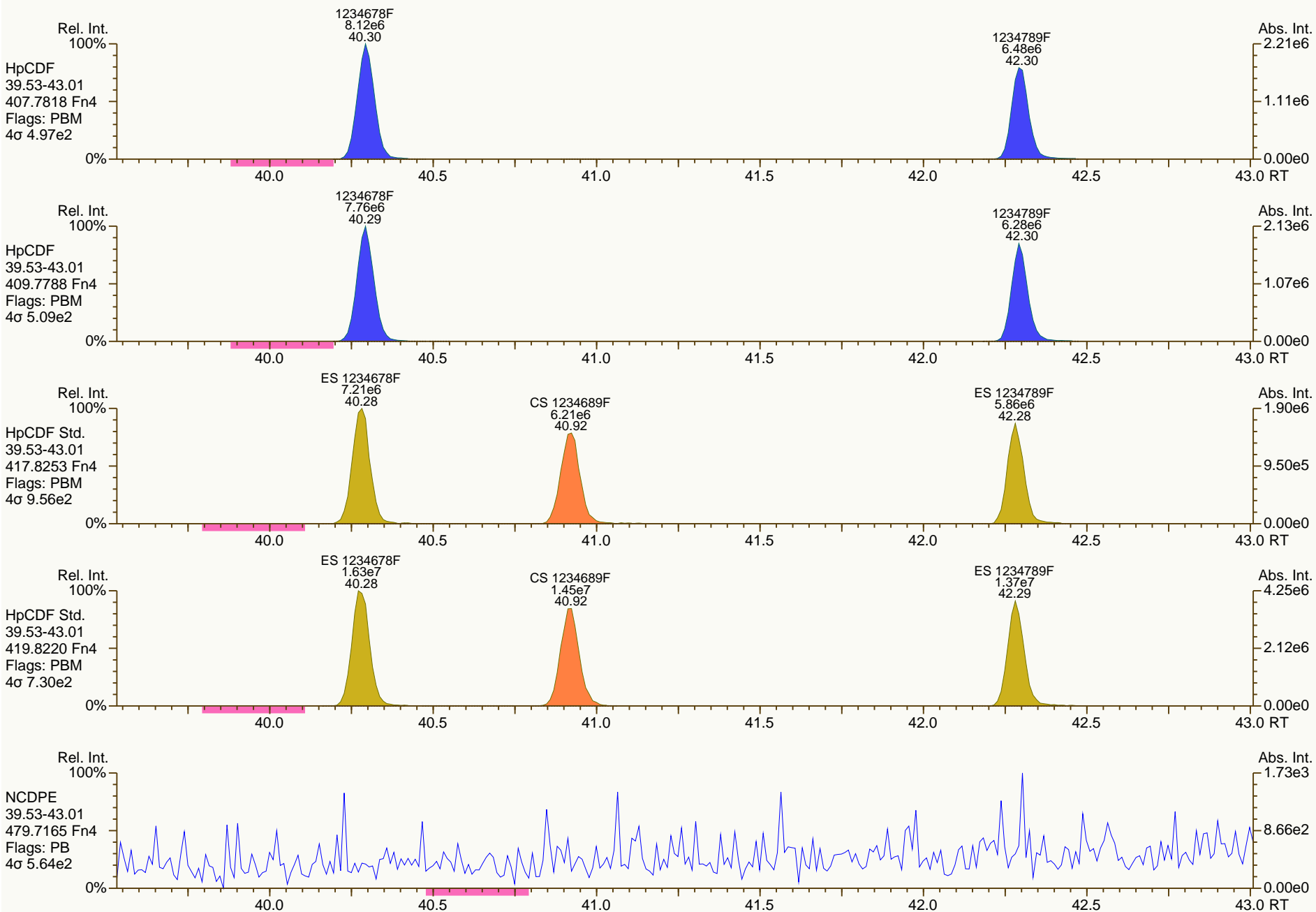
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SGS-AP ID: CS3
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

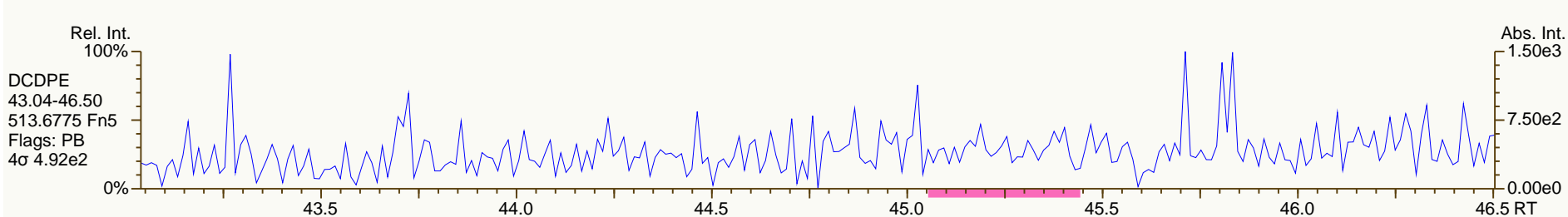
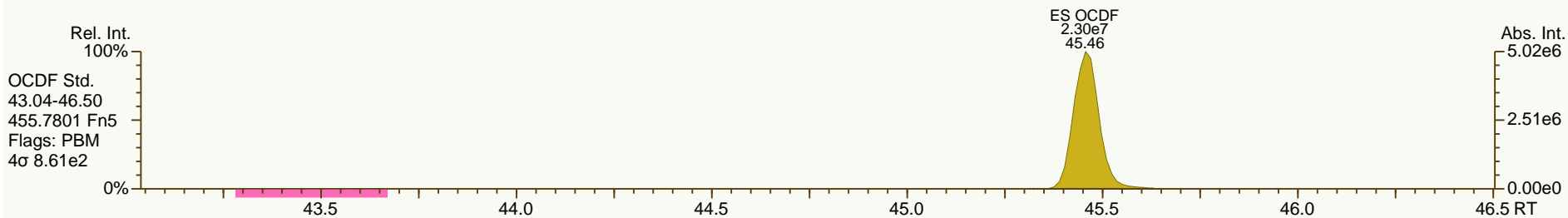
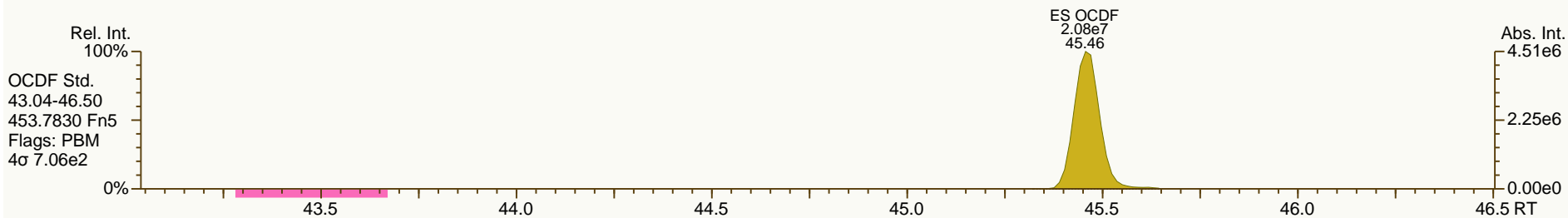
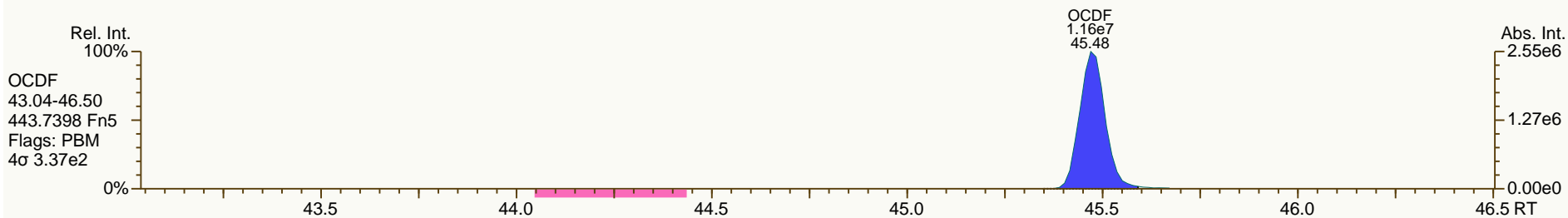
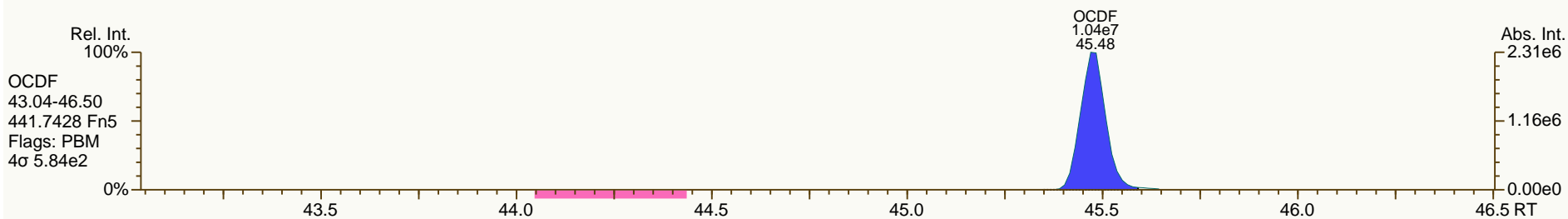
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SGS-AP ID: CS3
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 19

Acq: 13-FEB-2013 16:16:03
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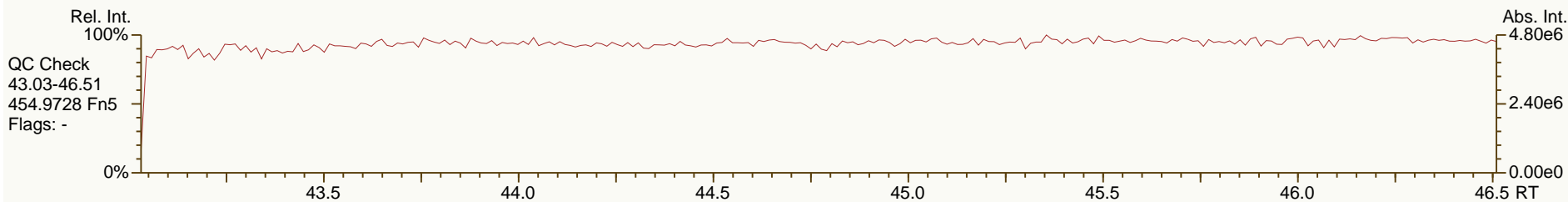
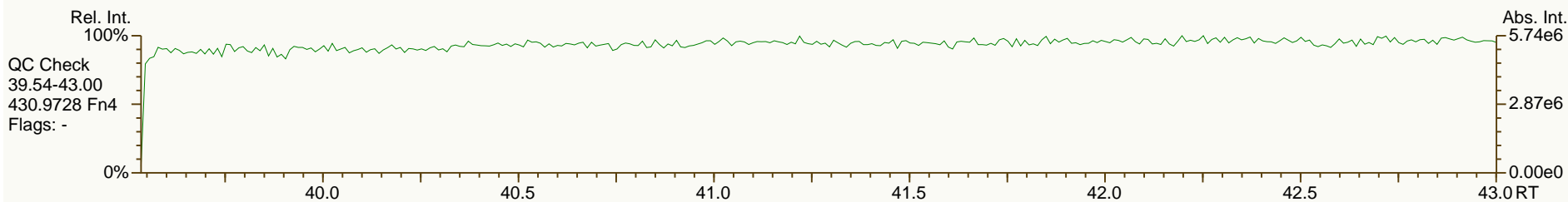
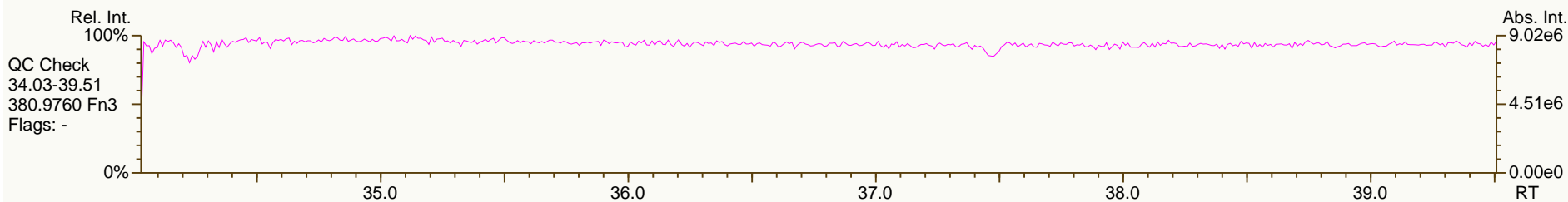
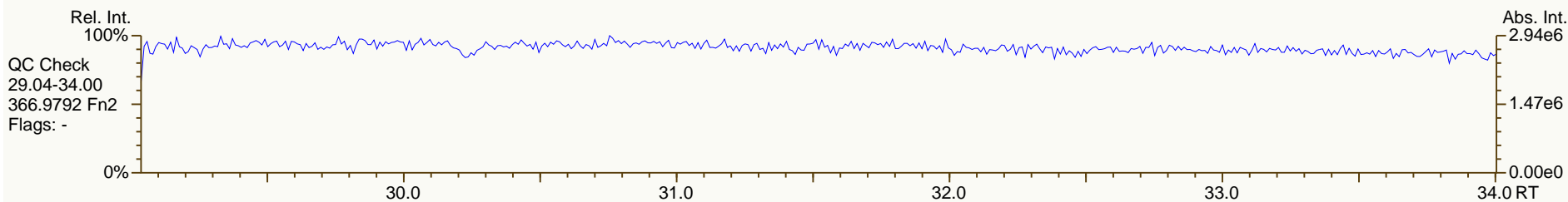
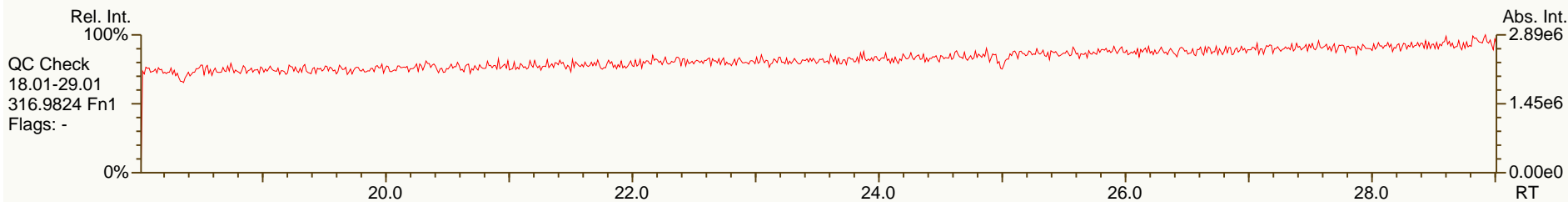
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 964-013-CCP		
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC			Datafile: 130213P2-06		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	1.44E+07	0.78	Y	1.06	1.06	0%
12378-PeCDD	32.69	5.66E+07	1.59	Y	0.94	0.99	6%
123478-HxCDD	37.42	5.12E+07	1.27	Y	1.02	1.08	5%
123678-HxCDD	37.56	5.34E+07	1.27	Y	1.04	1.07	3%
123789-HxCDD	37.90	5.42E+07	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.74	4.52E+07	1.04	Y	1.02	1.03	1%
OCDD	45.25	8.09E+07	0.90	Y	1.08	1.12	4%
2378-TCDF	25.11	1.94E+07	0.78	Y	0.97	0.98	1%
12378-PeCDF	30.89	8.32E+07	1.52	Y	1.00	1.02	2%
23478-PeCDF	32.26	8.11E+07	1.50	Y	0.96	1.00	4%
123478-HxCDF	36.22	7.73E+07	1.25	Y	1.23	1.28	4%
123678-HxCDF	36.39	8.03E+07	1.25	Y	1.14	1.17	3%
234678-HxCDF	37.20	7.34E+07	1.24	Y	1.14	1.18	3%
123789-HxCDF	38.31	6.47E+07	1.25	Y	1.13	1.15	1%
1234678-HpCDF	40.29	6.99E+07	1.04	Y	1.34	1.40	4%
1234789-HpCDF	42.29	5.69E+07	1.04	Y	1.30	1.34	4%
OCDF	45.47	1.01E+08	0.90	Y	1.00	1.05	5%
ES 2378-TCDD	26.14	3.37E+07	0.78	Y	1.01	1.01	0%
ES 12378-PeCDD	32.66	2.86E+07	1.60	Y	0.90	0.85	-5%
ES 123478-HxCDD	37.41	2.37E+07	1.30	Y	0.99	0.99	-1%
ES 123678-HxCDD	37.54	2.50E+07	1.28	Y	1.02	1.04	1%
ES 123789-HxCDD	37.88	2.69E+07	1.27	Y	1.12	1.12	0%
ES 1234678-HpCDD	41.72	2.19E+07	1.05	Y	0.90	0.91	0%
ES OCDD	45.24	3.61E+07	0.88	Y	0.74	0.75	1%
ES 2378-TCDF	25.08	4.96E+07	0.78	Y	1.05	1.05	-1%
ES 12378-PeCDF	30.87	4.08E+07	1.55	Y	0.88	0.86	-2%
ES 23478-PeCDF	32.24	4.04E+07	1.56	Y	0.91	0.85	-6%
ES 123478-HxCDF	36.20	3.01E+07	0.53	Y	1.25	1.25	0%
ES 123678-HxCDF	36.37	3.42E+07	0.52	Y	1.40	1.42	1%
ES 234678-HxCDF	37.18	3.12E+07	0.51	Y	1.29	1.30	0%
ES 123789-HxCDF	38.29	2.82E+07	0.53	Y	1.17	1.17	1%
ES 1234678-HpCDF	40.28	2.50E+07	0.44	Y	1.03	1.04	1%
ES 1234789-HpCDF	42.28	2.12E+07	0.45	Y	0.89	0.88	-1%
ES OCDF	45.46	4.82E+07	0.91	Y	1.00	1.00	0%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:07 MDC		ICAL: MM1_11012010A_DF_13FEB2013			
Lab ID: CS4		UTP: 14-Feb-2013 08:45 MDC		Checkcode: 964-013			
Sample ID: 11012012A		Report: 14 Feb 2013 08:50 MC		Datafile: 130213P2-06			
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.35E+07	0.80	Y	-	-	-
JS 1234-TCDF	23.44	4.73E+07	0.79	Y	-	-	-
JS 123467-HxCDD	37.76	1.20E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.10	1.09	0%
CS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.79	0.76	-5%
CS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.87	0.85	-2%
CS 123469-HxCDF	36.74	2.90E+07	0.53	Y	1.21	1.21	0%
CS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.89	0.92	3%
SS 37C1-2378-TCDD	26.17	1.46E+07	n/a	-	1.09	1.09	0%
SS 12347-PeCDD	32.06	2.53E+07	1.62	Y	0.89	0.88	0%
SS 12346-PeCDF	30.23	4.01E+07	1.54	Y	0.99	0.98	-1%
SS 123469-HxCDF	36.74	2.90E+07	0.53	Y	0.87	0.85	-2%
SS 1234689-HpCDF	40.92	2.21E+07	0.45	Y	0.87	0.89	2%
AS 1368-TCDD	21.75	3.29E+07	0.80	Y	1.00	0.98	-1%
AS 1368-TCDF	19.69	5.71E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.93E+07	0.80	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.05E+07	1.65	Y	1.07	1.07	0%
FS 123468-HxCDD	36.13	3.11E+07	1.30	Y	1.29	1.31	2%
FS 1234679-HpCDD	40.70	2.62E+07	1.06	Y	1.18	1.20	1%
TS 1378-TCDD	24.14	3.75E+07	0.78	Y	1.12	1.11	-1%
OCDD-a	45.25	4.97E+06	2.42	Y	0.07	0.07	3%
OCDF-a	45.47	5.86E+06	2.58	Y	0.06	0.06	0%

SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

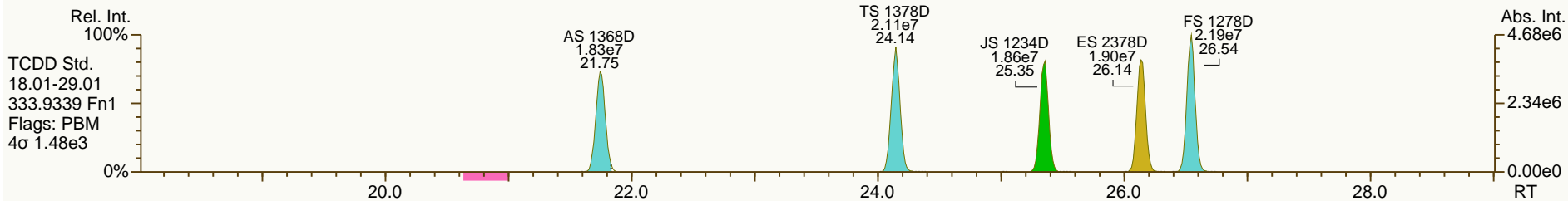
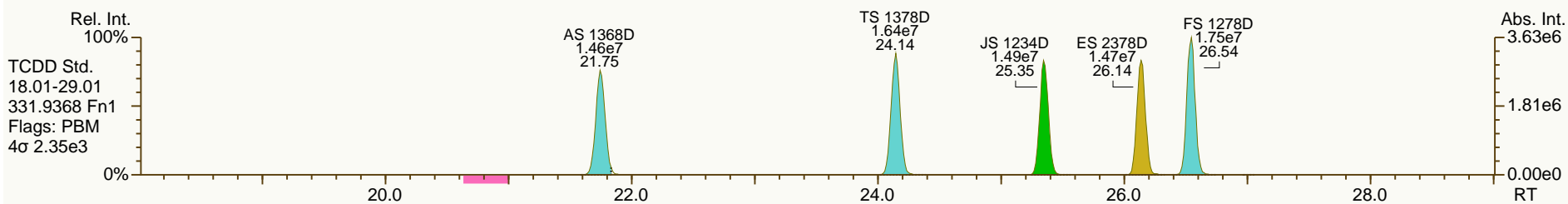
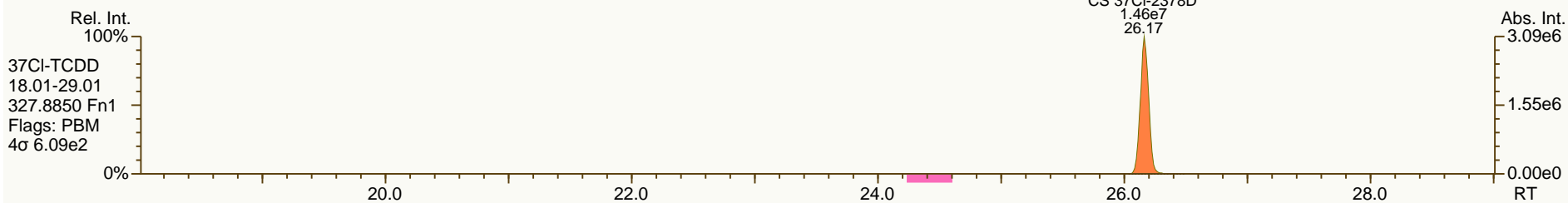
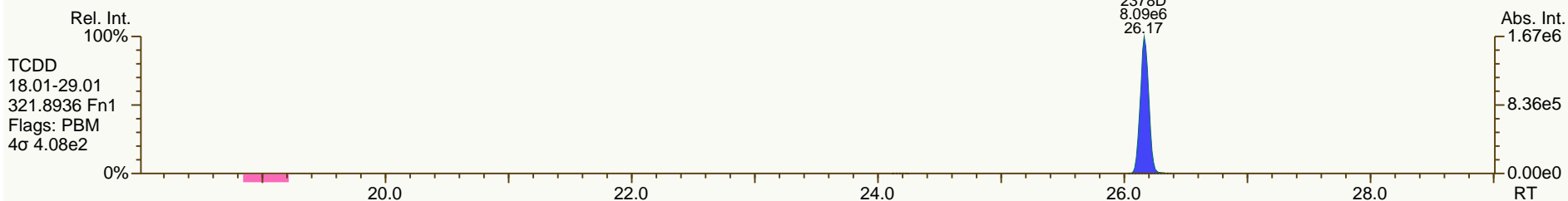
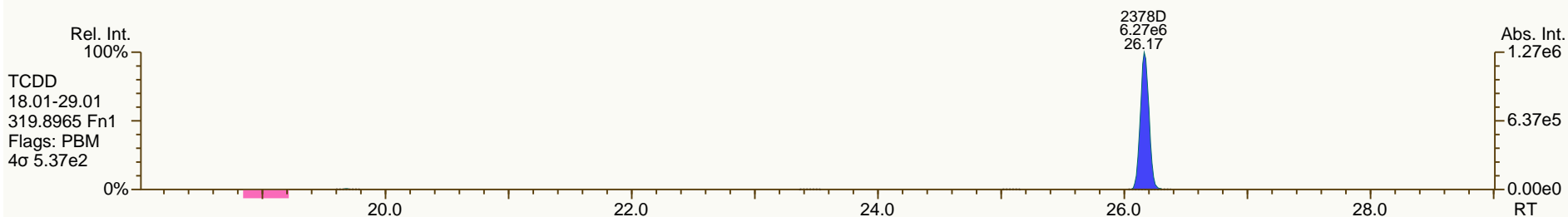
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

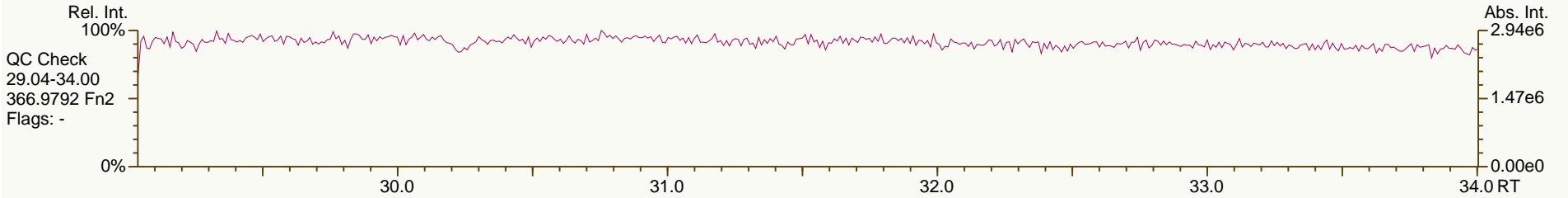
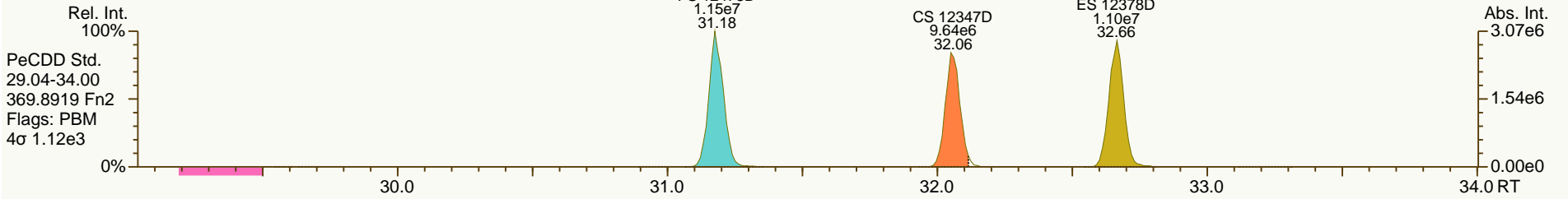
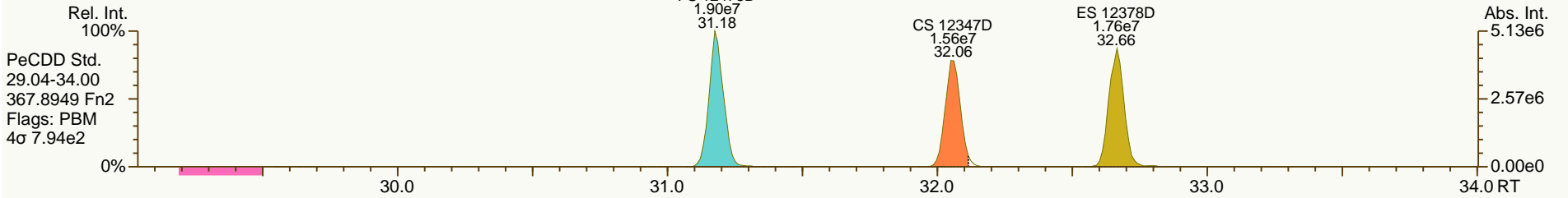
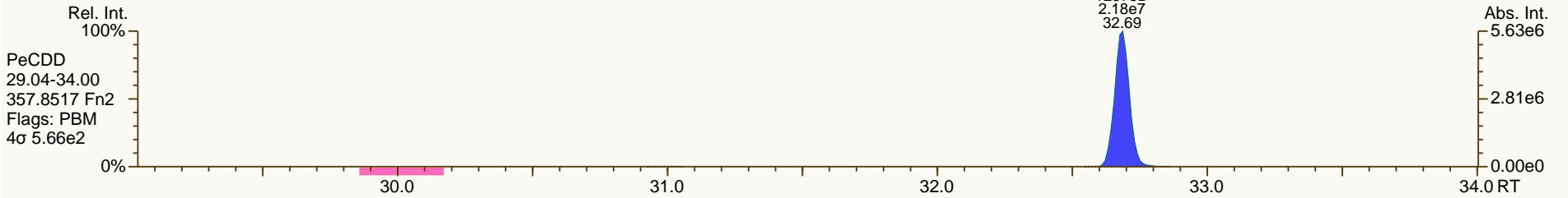
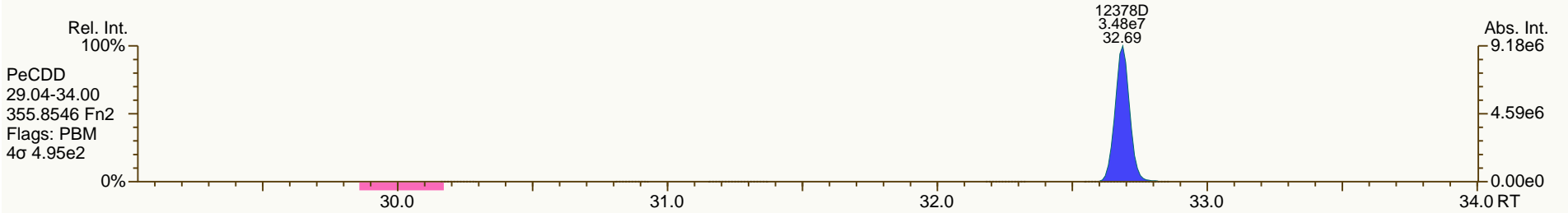
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

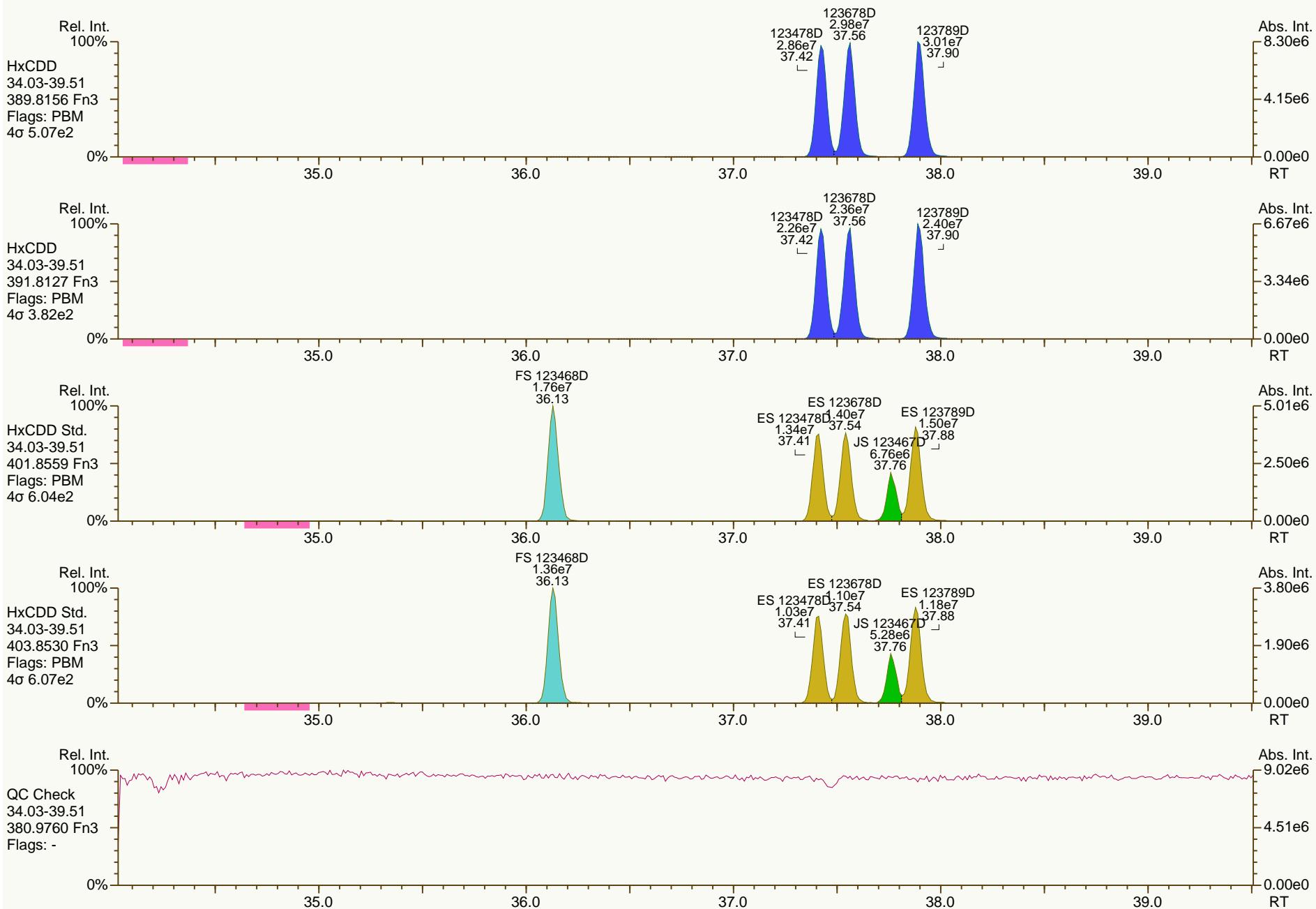
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

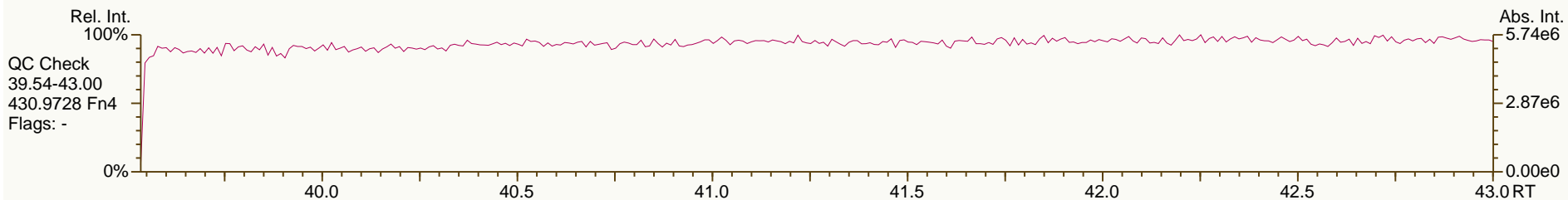
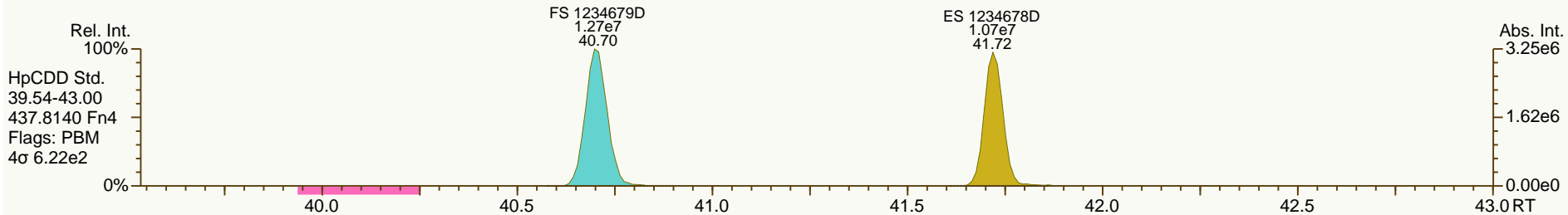
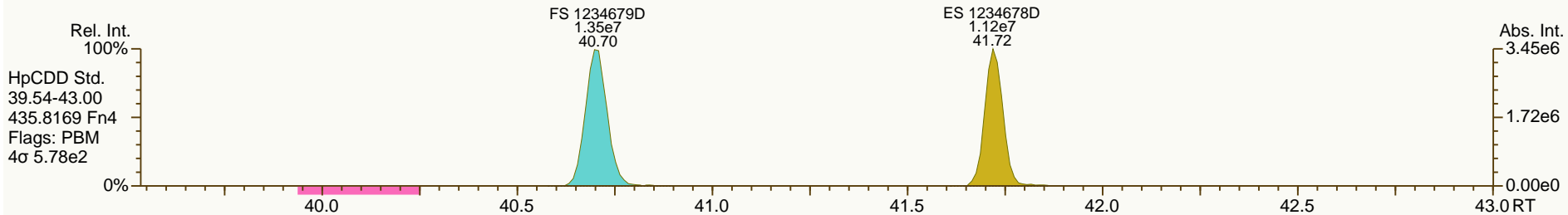
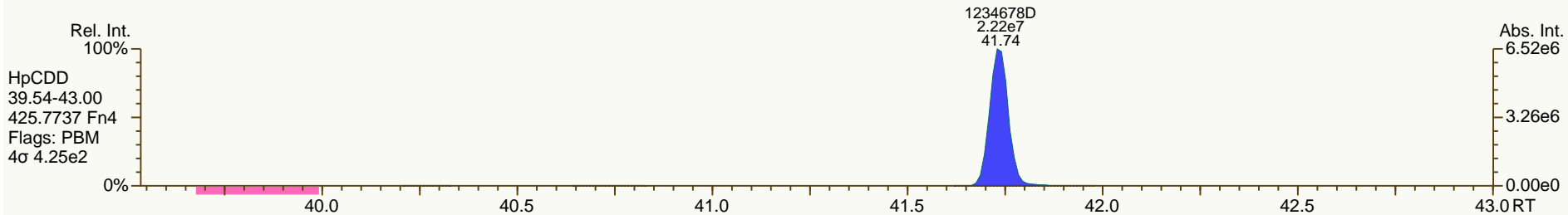
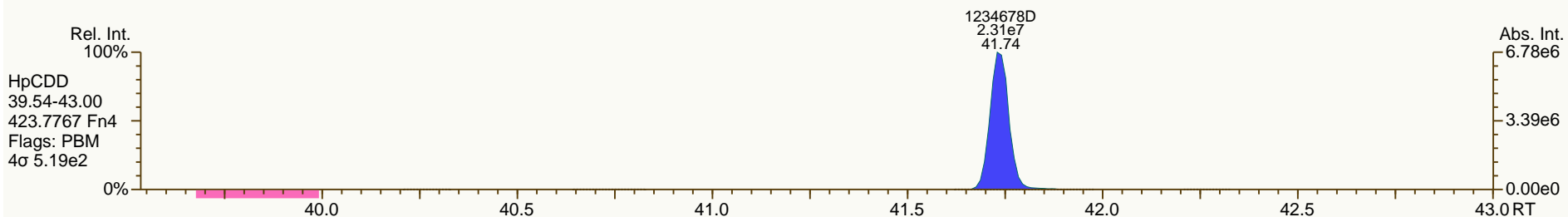
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

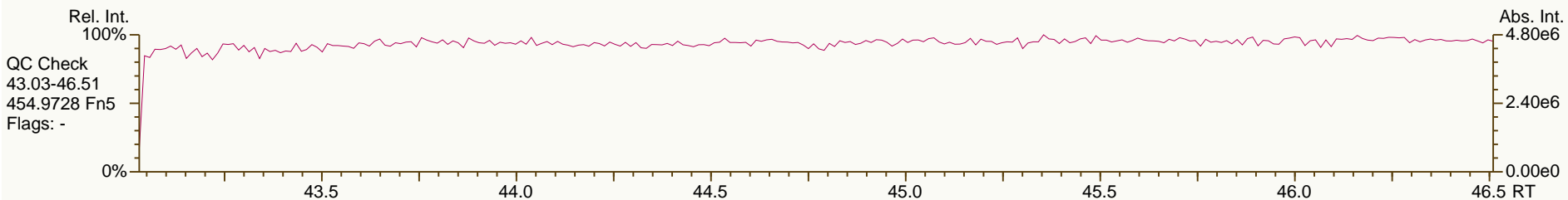
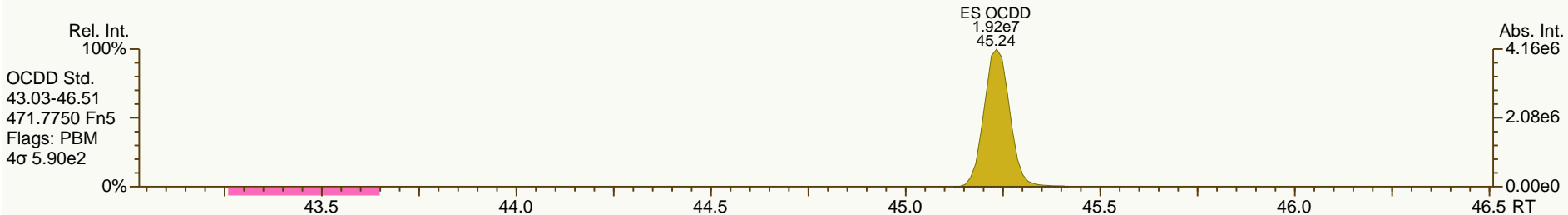
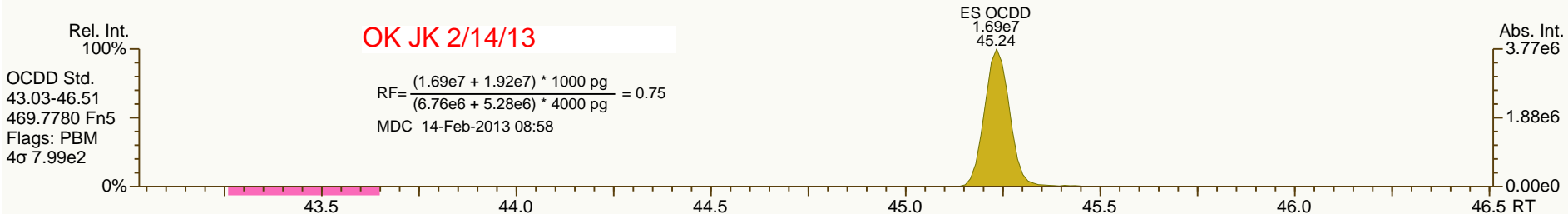
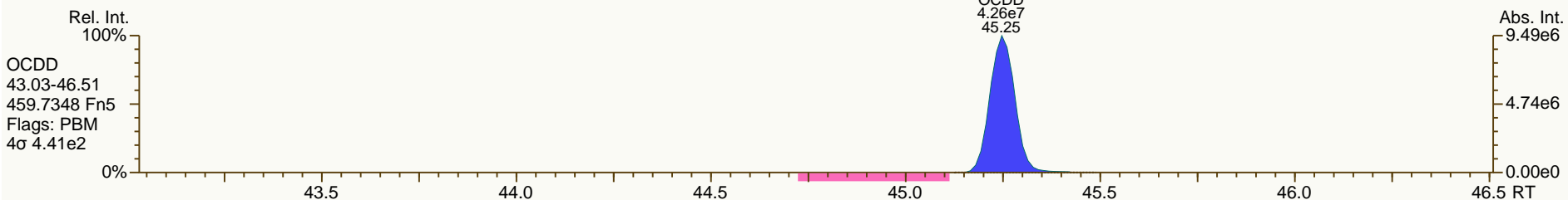
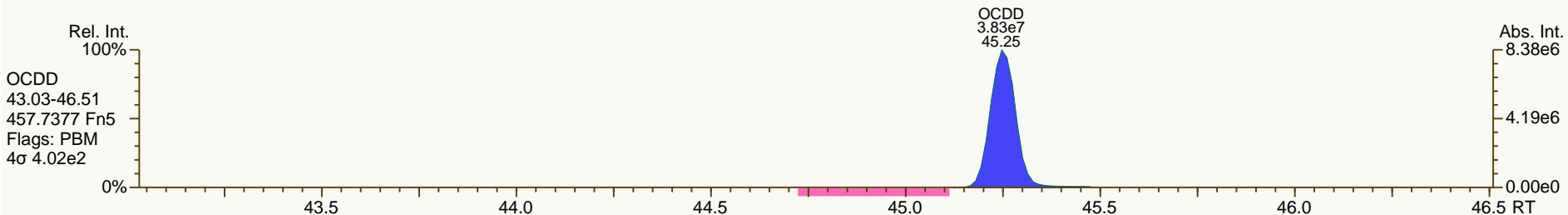
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SGS-AP ID: CS4
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Sample ID: 11012012A
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SGS-AP ID: CS4
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

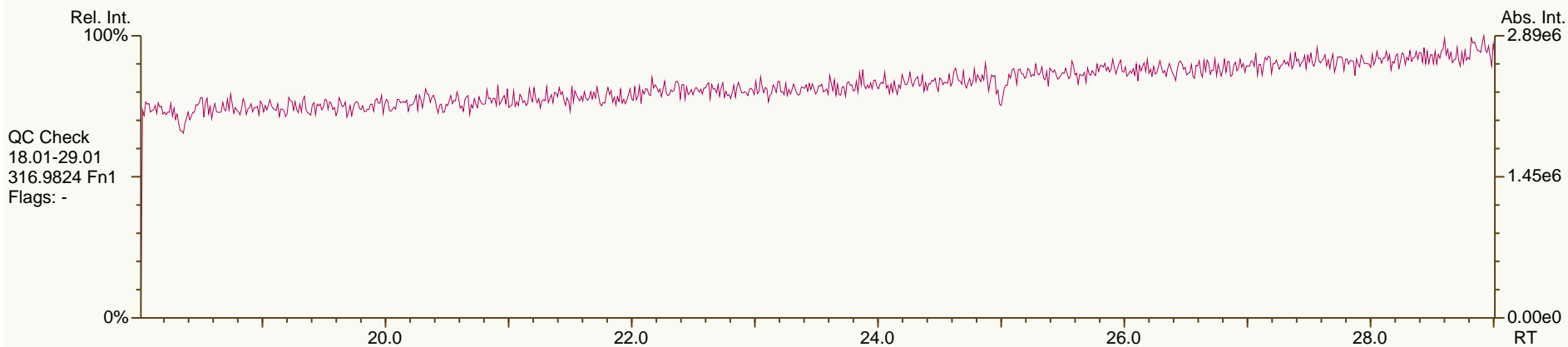
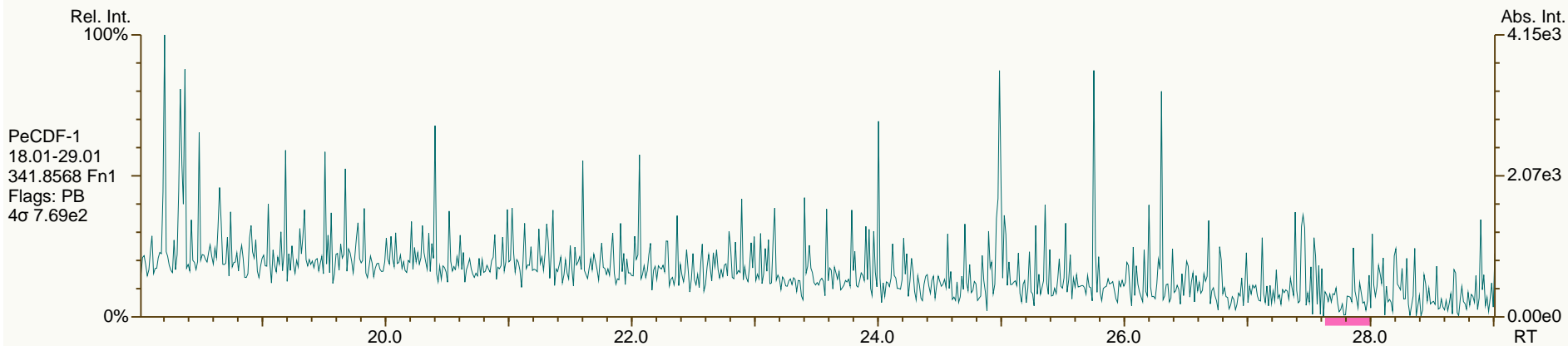
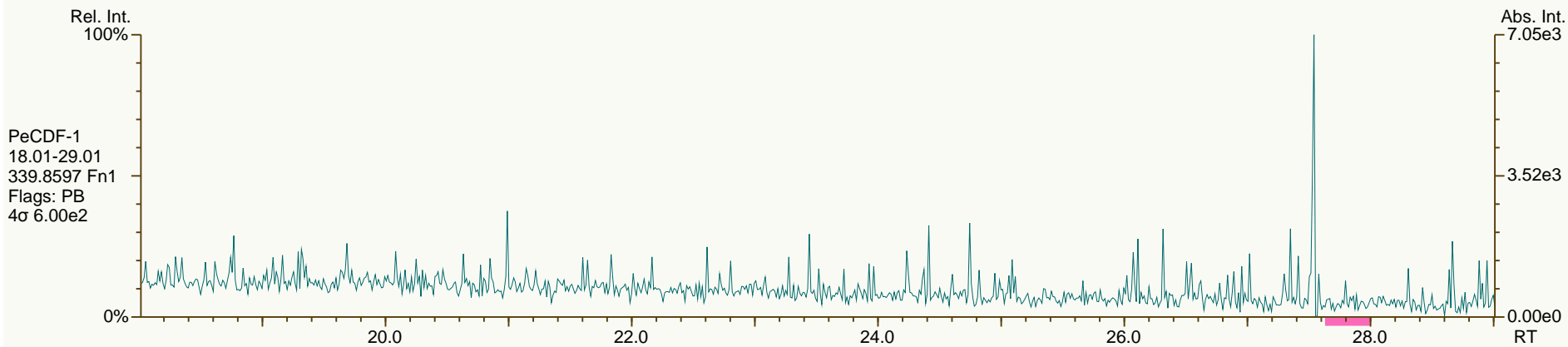
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

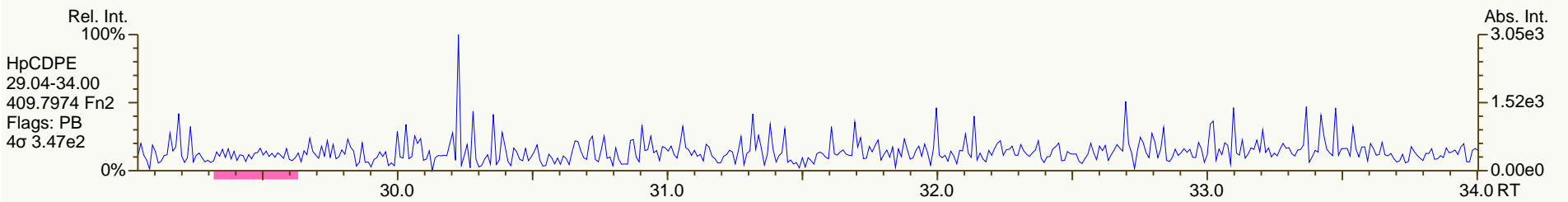
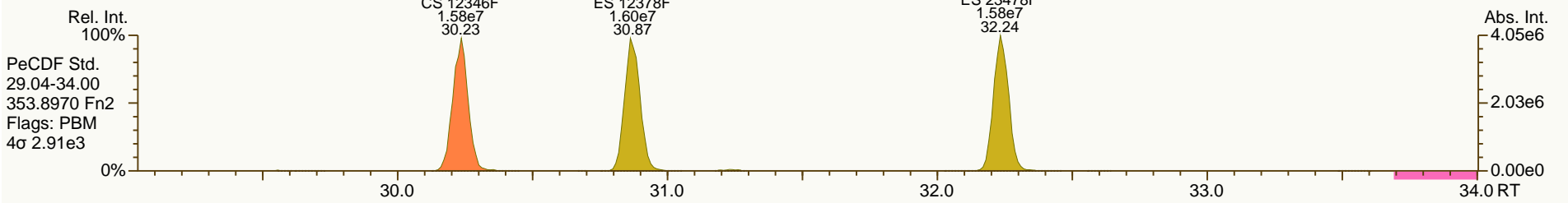
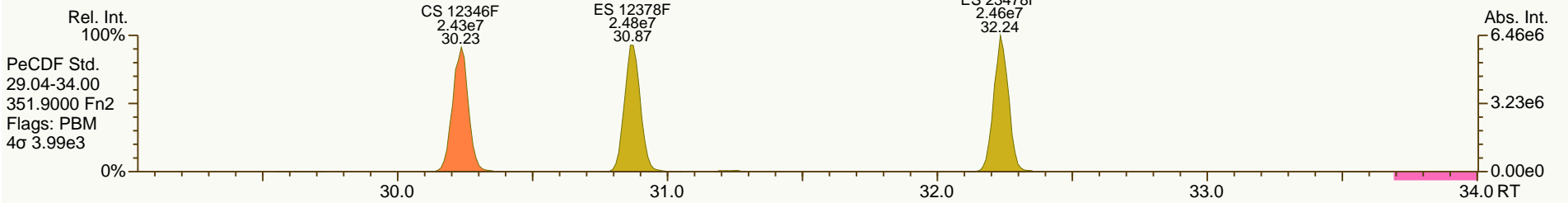
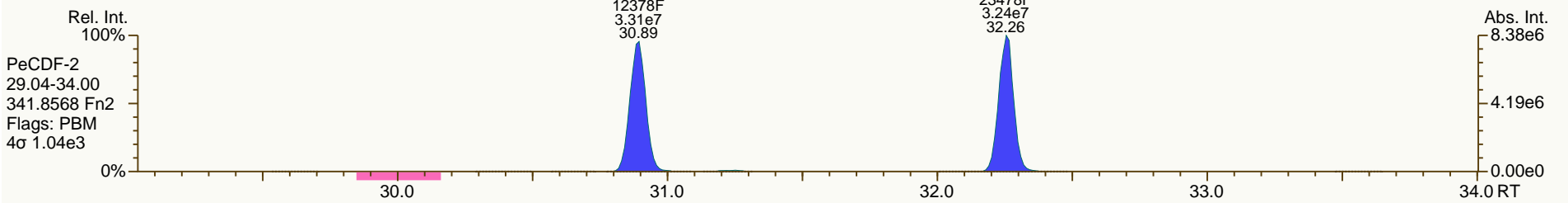
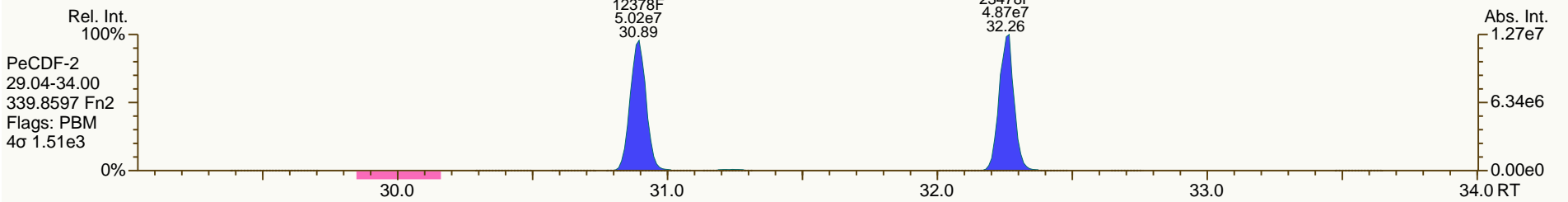
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SGS-AP ID: CS4
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Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

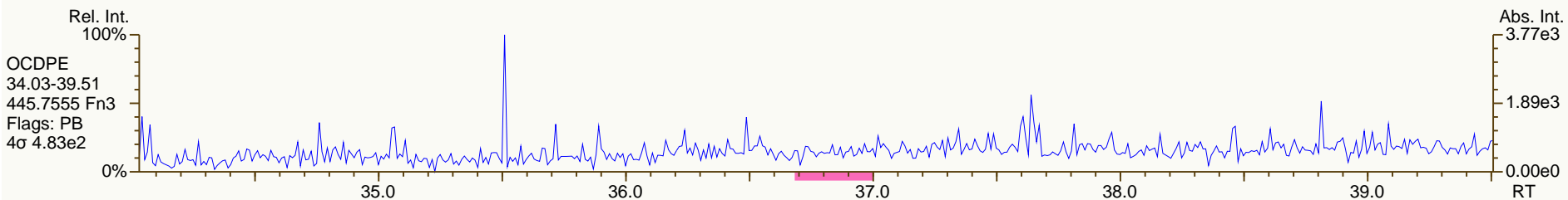
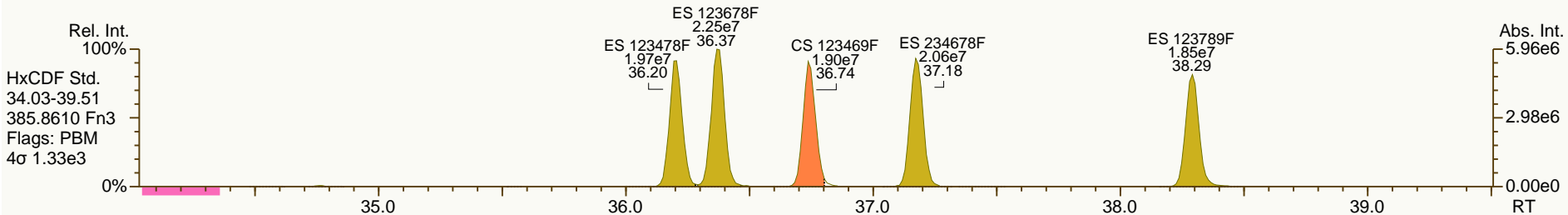
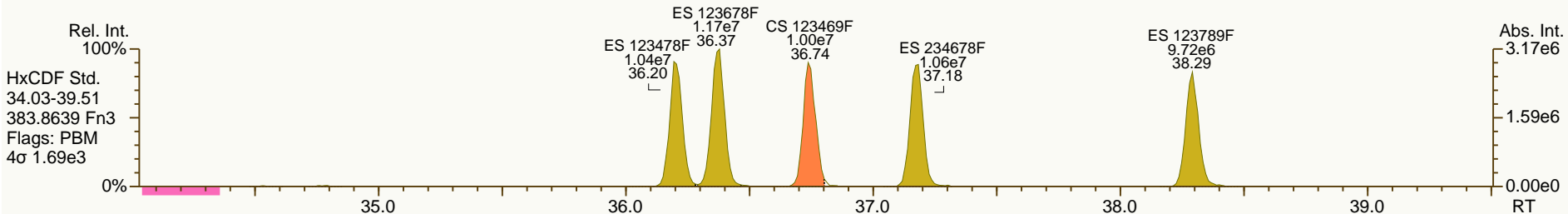
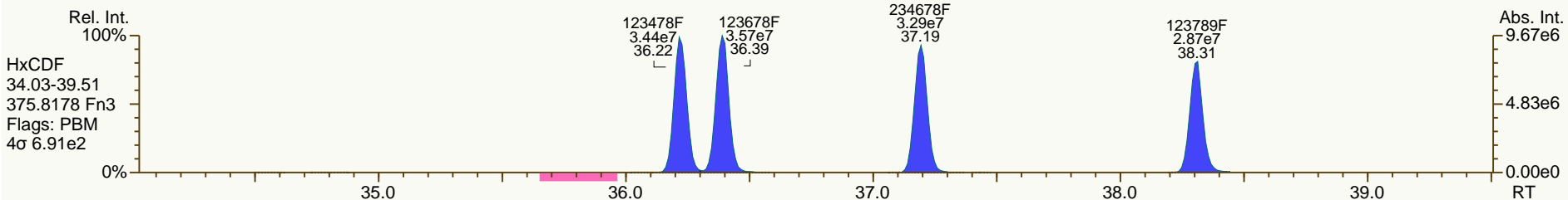
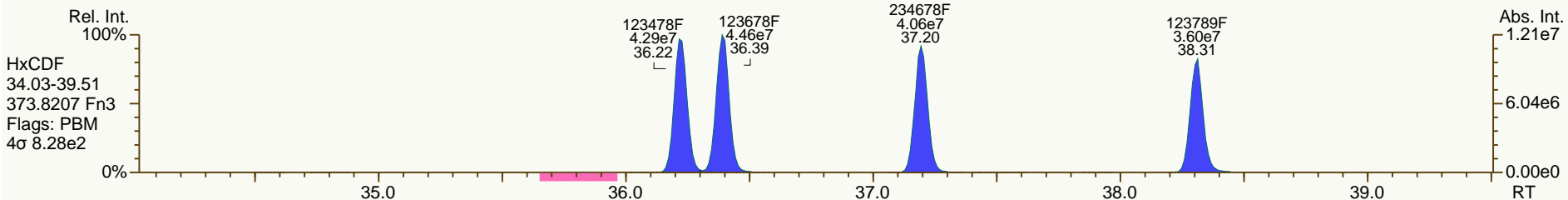
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User: MDC Datafile: 130213P2-06



SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

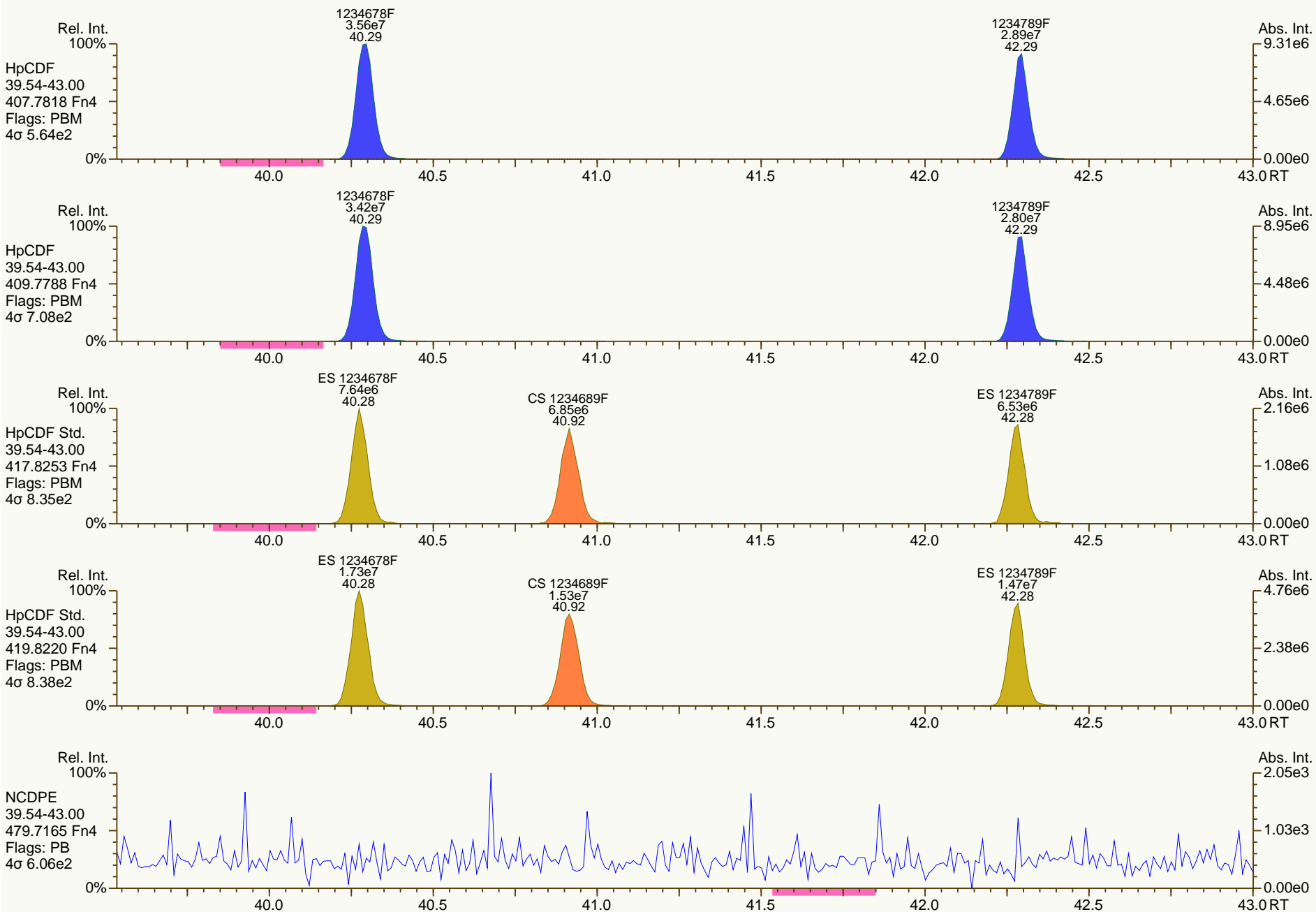
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SGS-AP ID: CS4
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

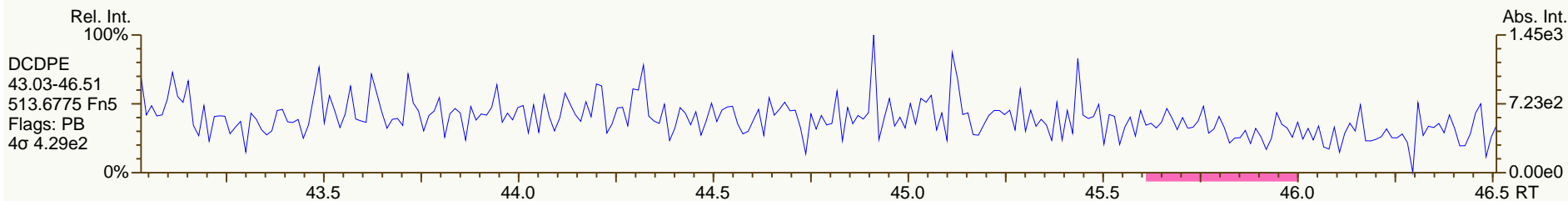
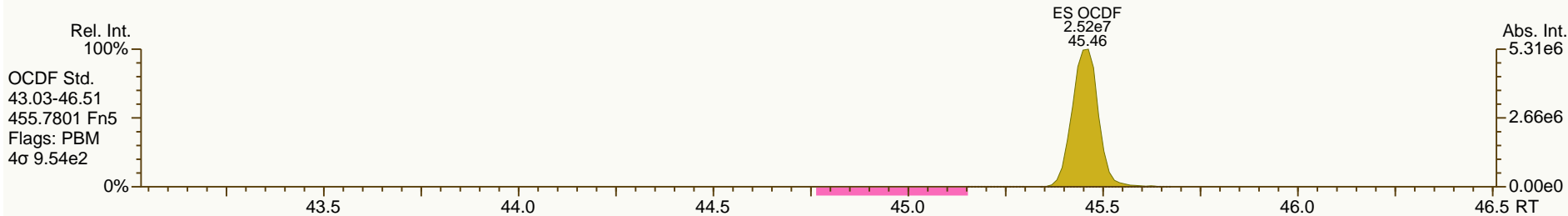
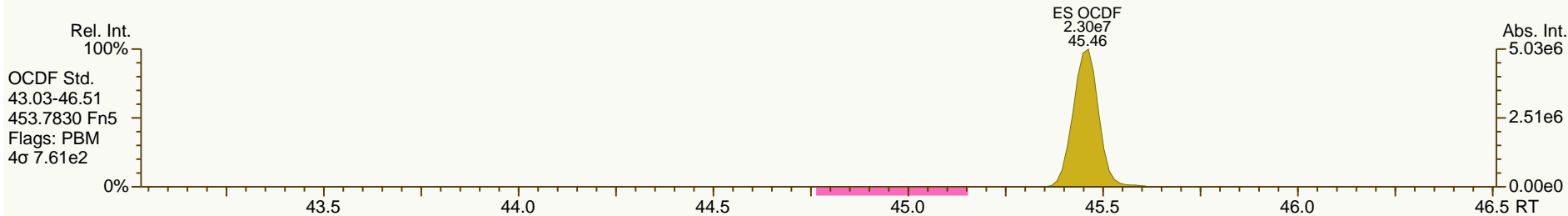
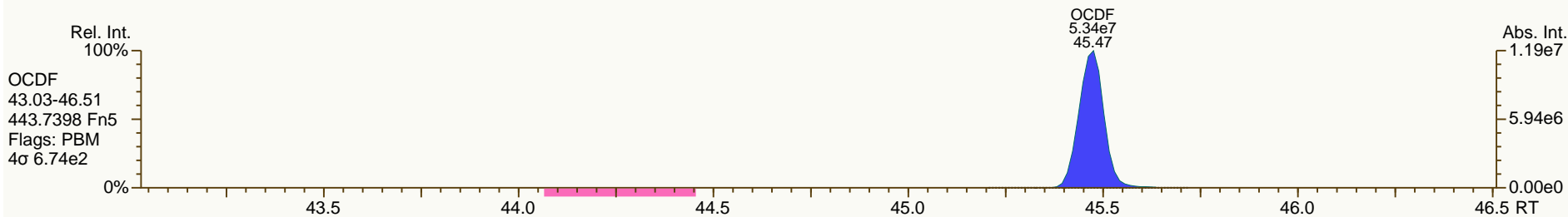
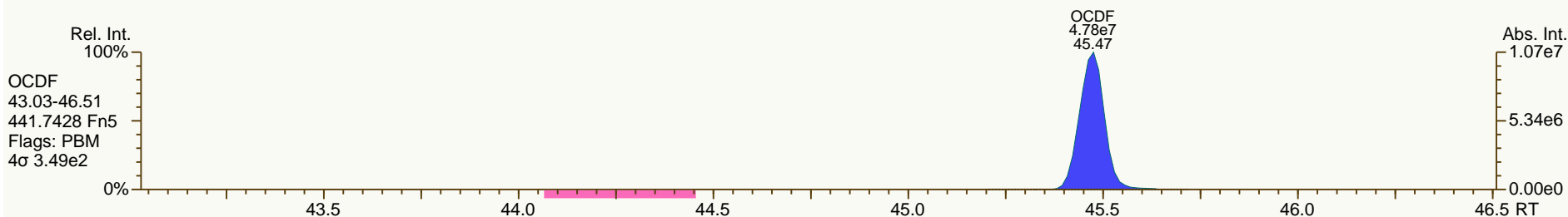
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SGS-AP ID: CS4
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 20

Acq: 13-FEB-2013 17:07:16
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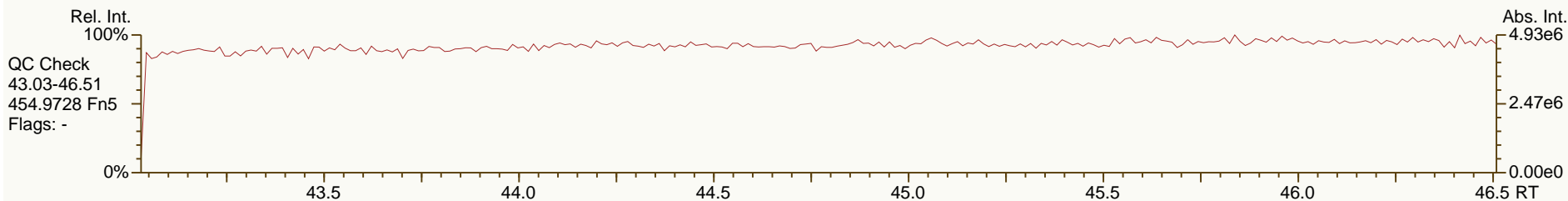
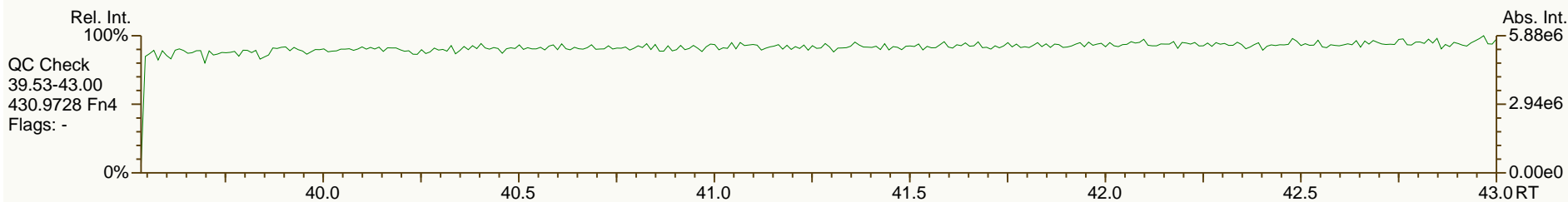
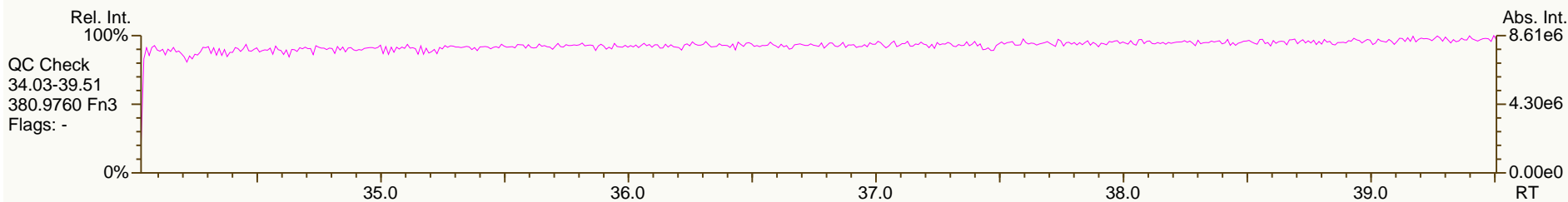
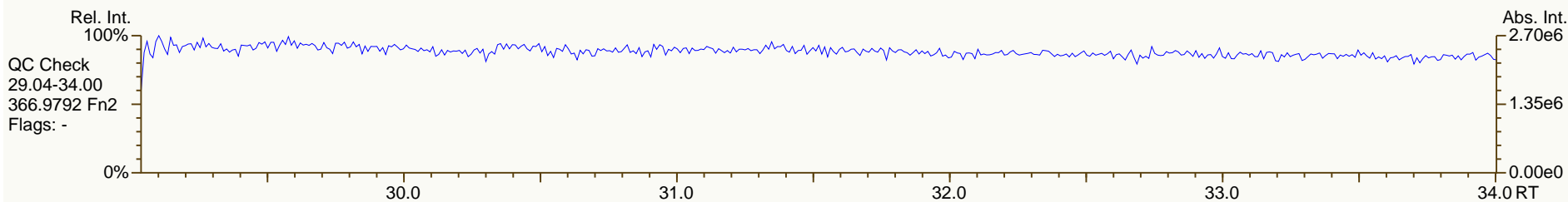
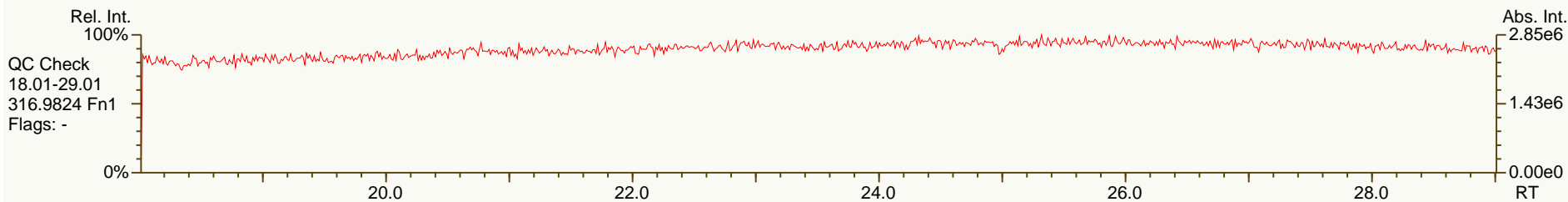
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Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479-TSH		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.17	8.00E+07	0.78	Y	1.06	1.12	5%
12378-PeCDD	32.68	3.29E+08	1.58	Y	0.94	0.99	6%
123478-HxCDD	37.42	2.99E+08	1.26	Y	1.02	1.06	4%
123678-HxCDD	37.56	3.04E+08	1.26	Y	1.04	1.07	3%
123789-HxCDD	37.90	3.18E+08	1.25	Y	0.98	1.01	3%
1234678-HpCDD	41.73	2.70E+08	1.04	Y	1.02	1.09	7%
OCDD	45.25	4.74E+08	0.90	Y	1.08	1.12	3%
2378-TCDF	25.11	1.06E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	4.72E+08	1.51	Y	1.00	1.05	5%
23478-PeCDF	32.26	4.87E+08	1.52	Y	0.96	1.01	5%
123478-HxCDF	36.22	4.44E+08	1.25	Y	1.23	1.29	5%
123678-HxCDF	36.39	4.64E+08	1.24	Y	1.14	1.18	4%
234678-HxCDF	37.19	4.25E+08	1.24	Y	1.14	1.20	5%
123789-HxCDF	38.31	3.92E+08	1.24	Y	1.13	1.19	5%
1234678-HpCDF	40.29	3.98E+08	1.04	Y	1.34	1.42	5%
1234789-HpCDF	42.29	3.41E+08	1.04	Y	1.30	1.37	6%
OCDF	45.47	6.21E+08	0.90	Y	1.00	1.06	6%
ES 2378-TCDD	26.14	3.58E+07	0.79	Y	1.01	1.03	2%
ES 12378-PeCDD	32.66	3.32E+07	1.58	Y	0.90	0.95	6%
ES 123478-HxCDD	37.41	2.81E+07	1.28	Y	0.99	1.06	6%
ES 123678-HxCDD	37.54	2.85E+07	1.29	Y	1.02	1.07	5%
ES 123789-HxCDD	37.88	3.13E+07	1.25	Y	1.12	1.18	6%
ES 1234678-HpCDD	41.72	2.48E+07	1.06	Y	0.90	0.93	3%
ES OCDD	45.23	4.24E+07	0.89	Y	0.74	0.80	8%
ES 2378-TCDF	25.08	5.20E+07	0.80	Y	1.05	1.07	2%
ES 12378-PeCDF	30.87	4.50E+07	1.57	Y	0.88	0.93	6%
ES 23478-PeCDF	32.24	4.80E+07	1.58	Y	0.91	0.99	9%
ES 123478-HxCDF	36.20	3.43E+07	0.52	Y	1.25	1.29	3%
ES 123678-HxCDF	36.37	3.93E+07	0.53	Y	1.40	1.48	5%
ES 234678-HxCDF	37.17	3.54E+07	0.51	Y	1.29	1.33	3%
ES 123789-HxCDF	38.29	3.30E+07	0.53	Y	1.17	1.24	6%
ES 1234678-HpCDF	40.27	2.81E+07	0.43	Y	1.03	1.06	3%
ES 1234789-HpCDF	42.28	2.48E+07	0.43	Y	0.89	0.93	5%
ES OCDF	45.45	5.84E+07	0.91	Y	1.00	1.10	10%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 17:58 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS5		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 585-479		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-07		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.48E+07	0.82	Y	-	-	-
JS 1234-TCDF	23.45	4.85E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.33E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.10	1.17	7%
CS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.79	0.80	1%
CS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.87	0.84	-3%
CS 123469-HxCDF	36.74	3.19E+07	0.53	Y	1.21	1.20	-1%
CS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.89	0.87	-3%
SS 37C1-2378-TCDD	26.16	8.16E+07	n/a	-	1.09	1.14	5%
SS 12347-PeCDD	32.06	2.79E+07	1.64	Y	0.89	0.84	-5%
SS 12346-PeCDF	30.23	4.08E+07	1.53	Y	0.99	0.91	-8%
SS 123469-HxCDF	36.74	3.19E+07	0.53	Y	0.87	0.81	-6%
SS 1234689-HpCDF	40.91	2.32E+07	0.43	Y	0.87	0.82	-5%
AS 1368-TCDD	21.75	3.43E+07	0.80	Y	1.00	0.99	-1%
AS 1368-TCDF	19.69	5.89E+07	0.79	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	4.19E+07	0.79	Y	1.18	1.17	-1%
FS 12478-PeCDD	31.18	3.39E+07	1.56	Y	1.07	1.02	-4%
FS 123468-HxCDD	36.13	3.31E+07	1.28	Y	1.29	1.18	-8%
FS 1234679-HpCDD	40.70	2.75E+07	1.05	Y	1.18	1.11	-6%
TS 1378-TCDD	24.15	3.94E+07	0.78	Y	1.12	1.10	-2%
OCDD-a	45.24	2.88E+07	2.51	Y	0.07	0.07	2%
OCDF-a	45.46	3.65E+07	2.59	Y	0.06	0.06	2%

SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

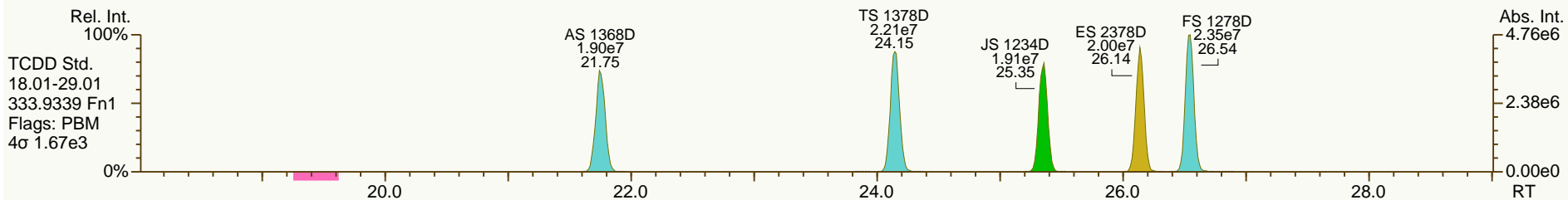
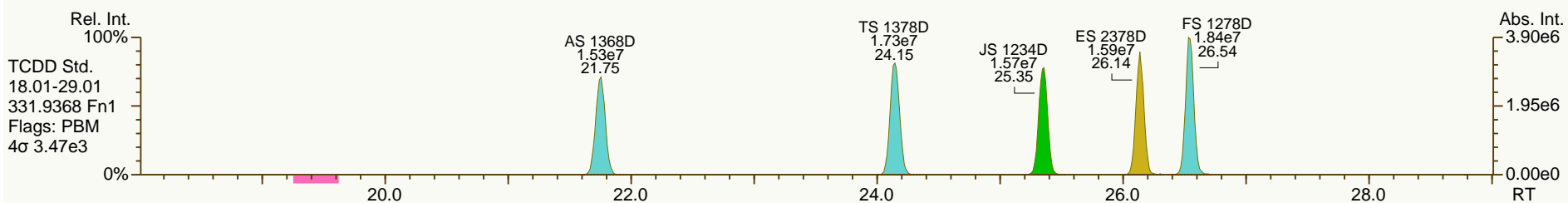
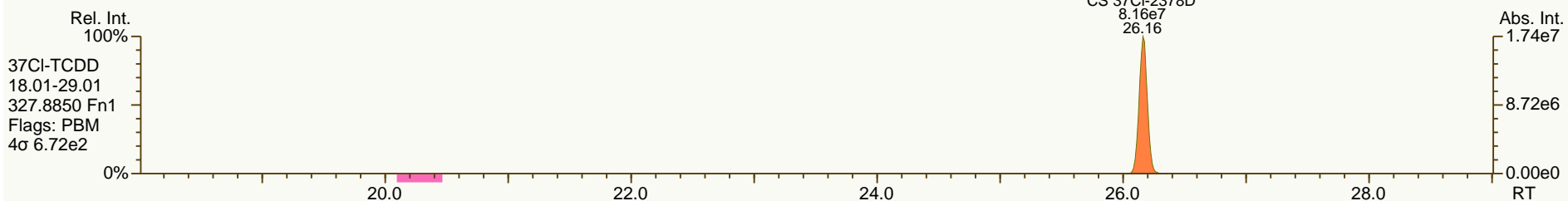
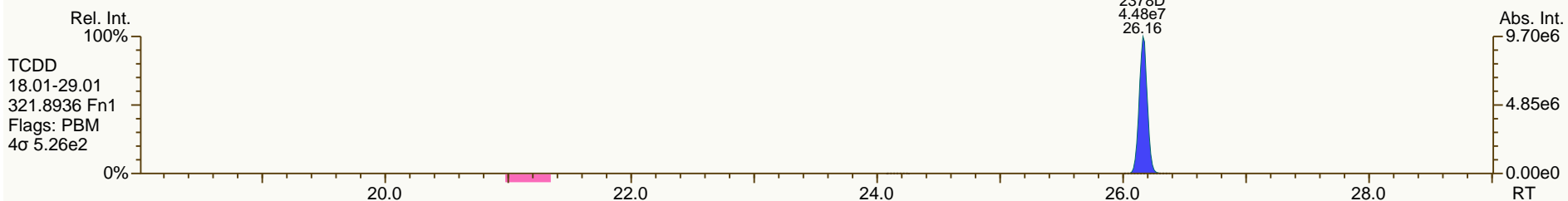
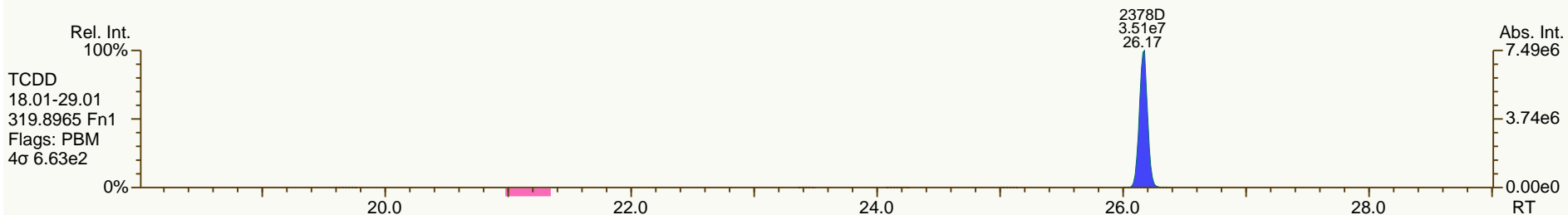
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

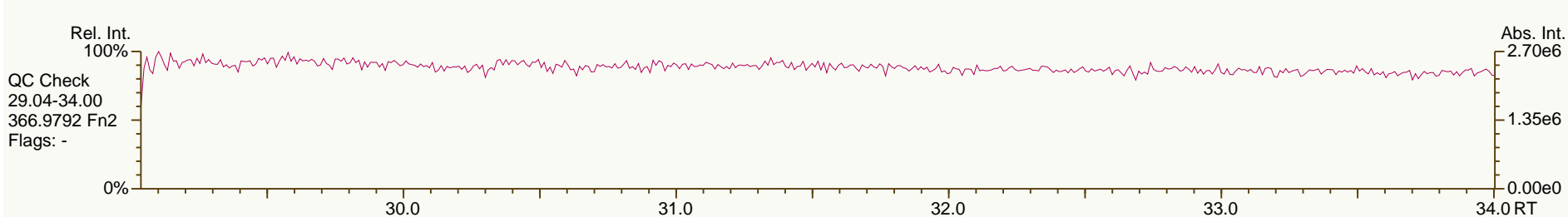
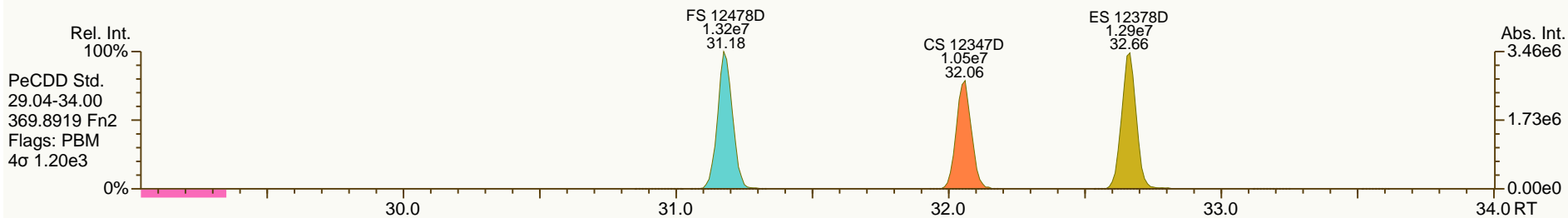
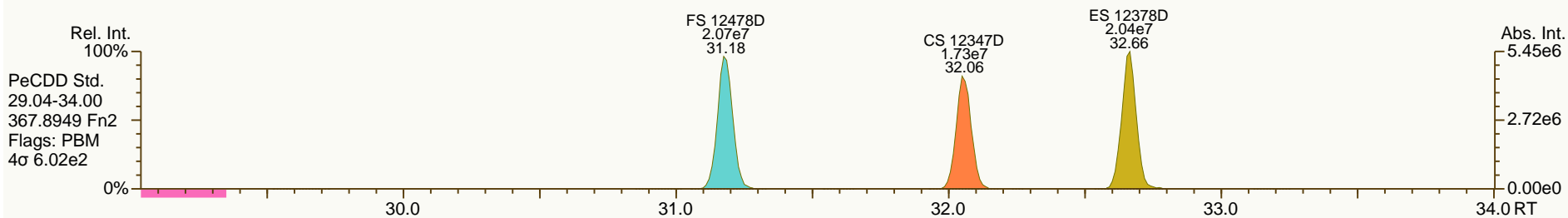
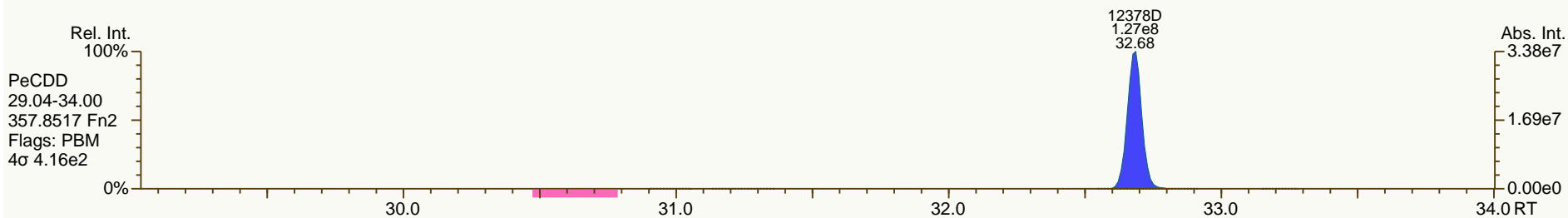
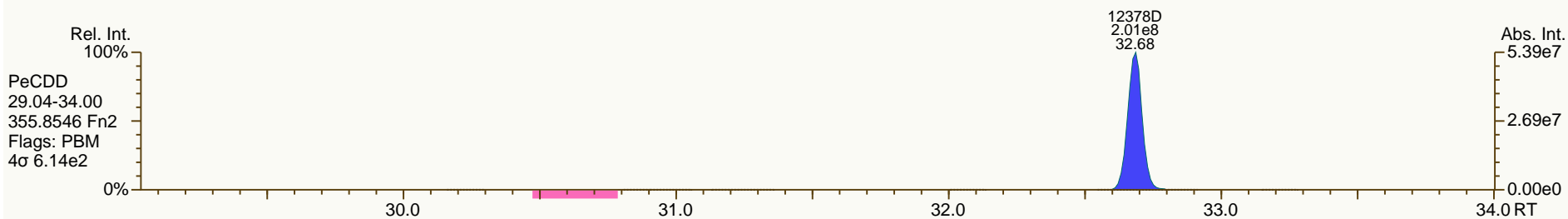
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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

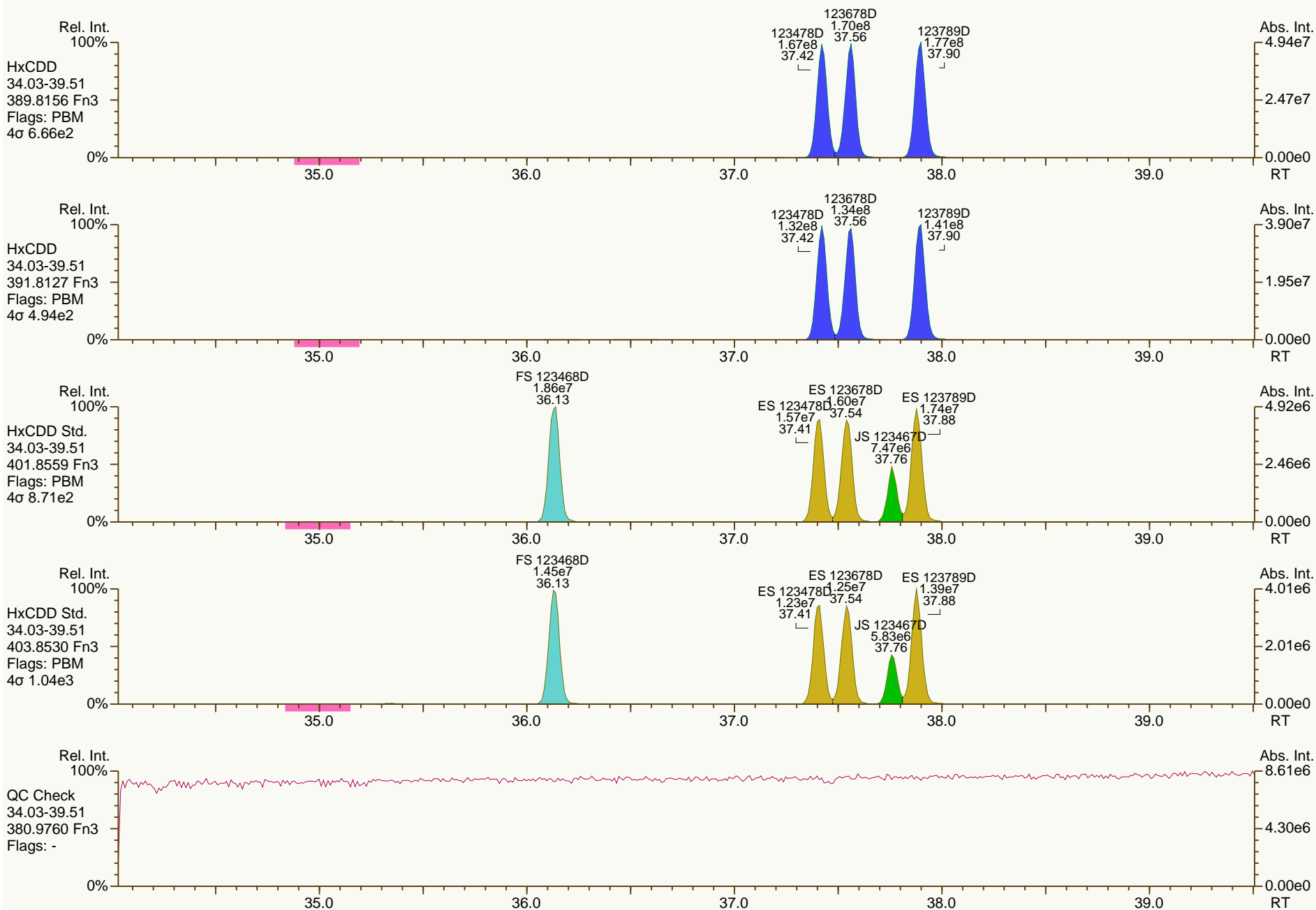
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Instr: AutoSpec-Ultima MM1

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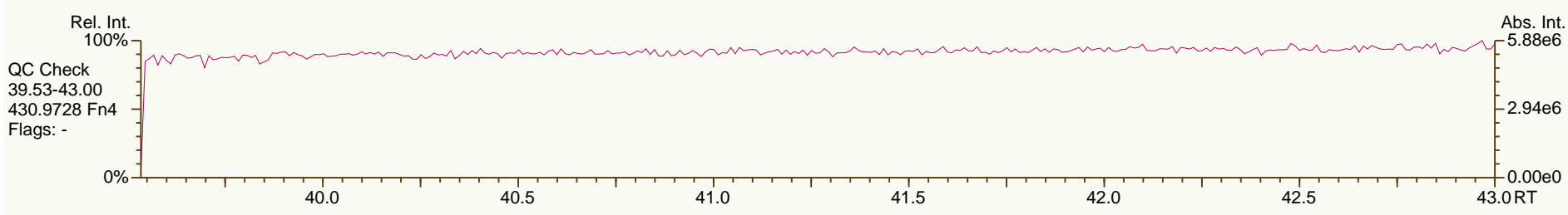
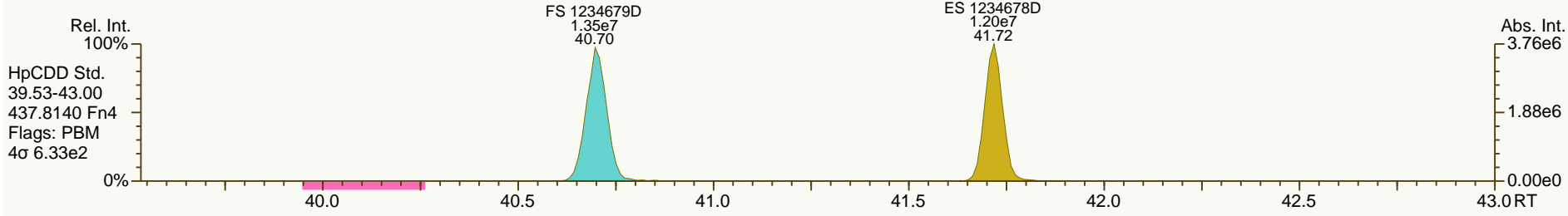
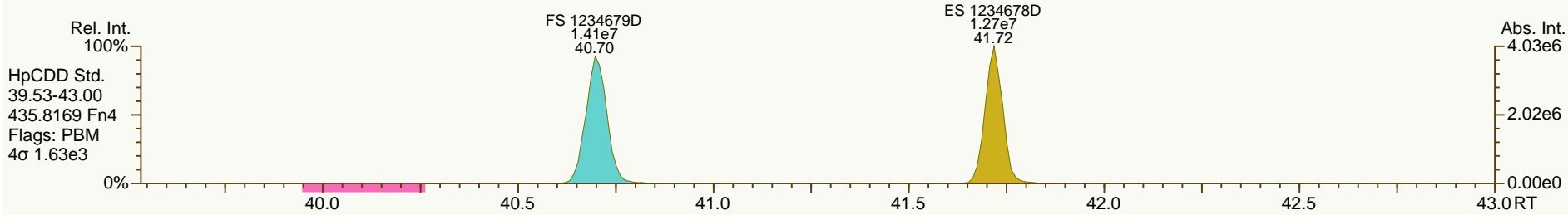
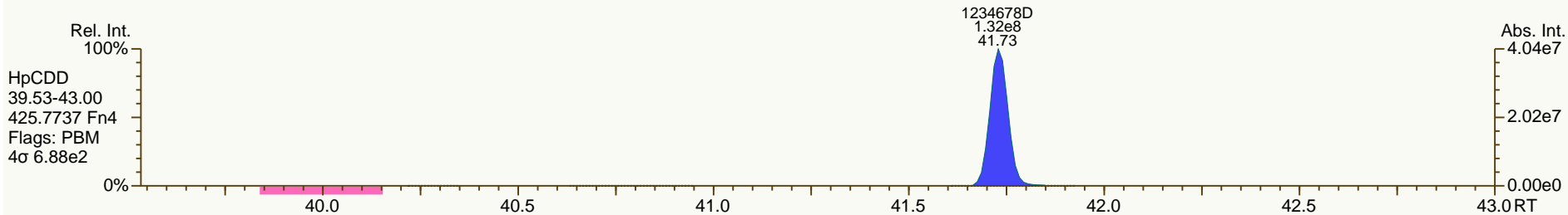
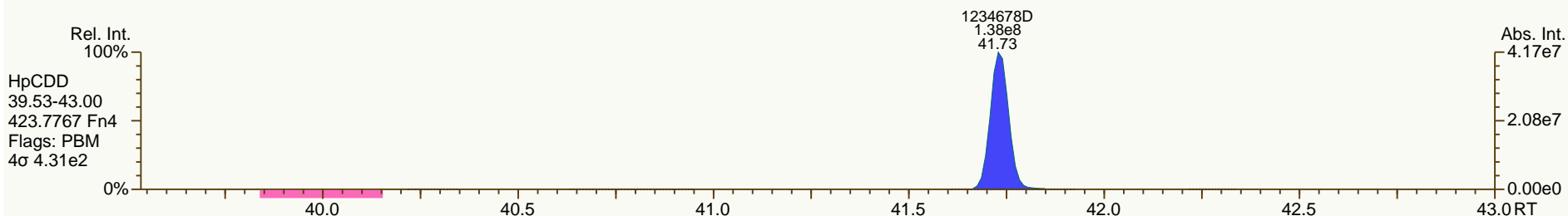
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

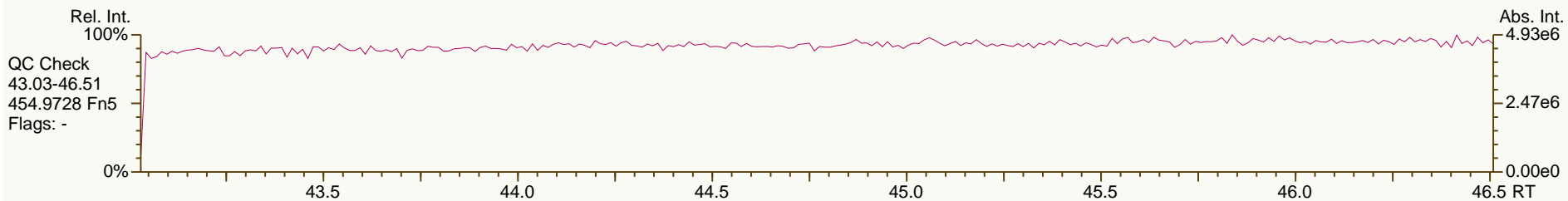
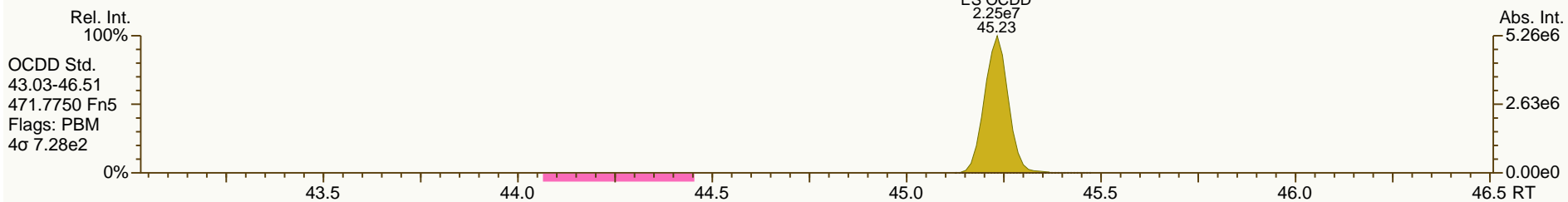
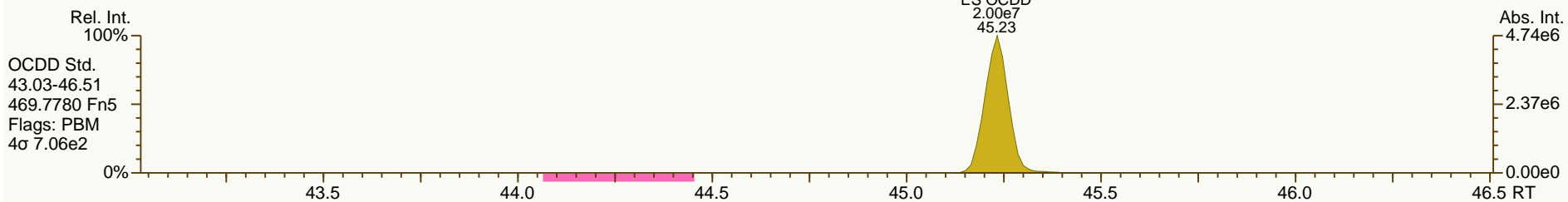
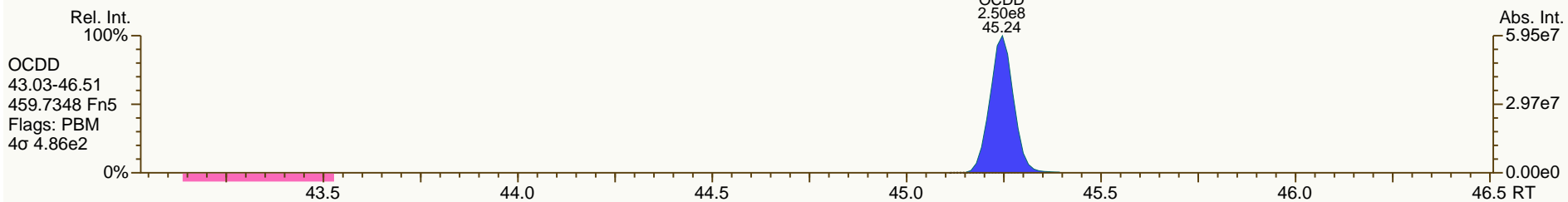
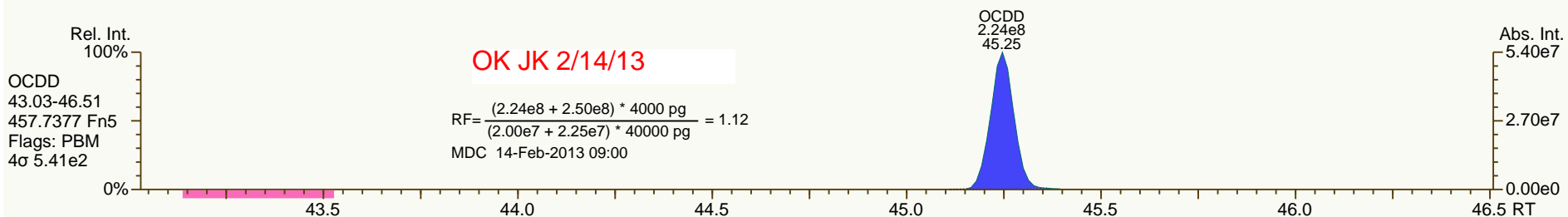
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

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SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

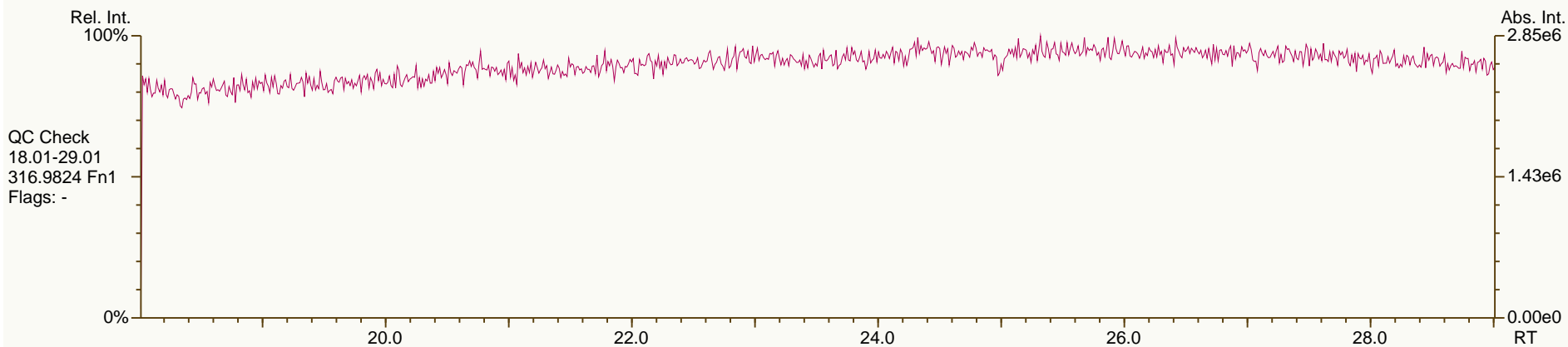
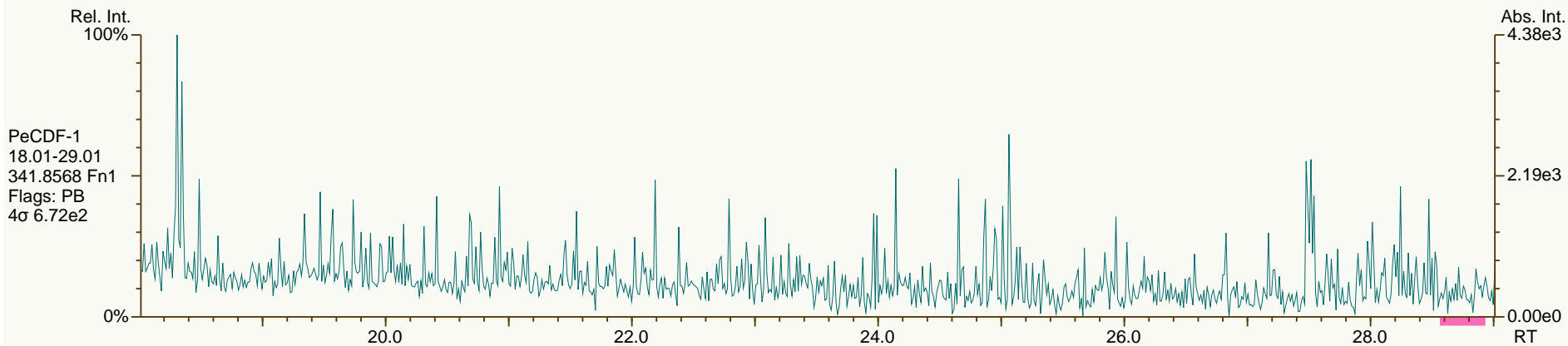
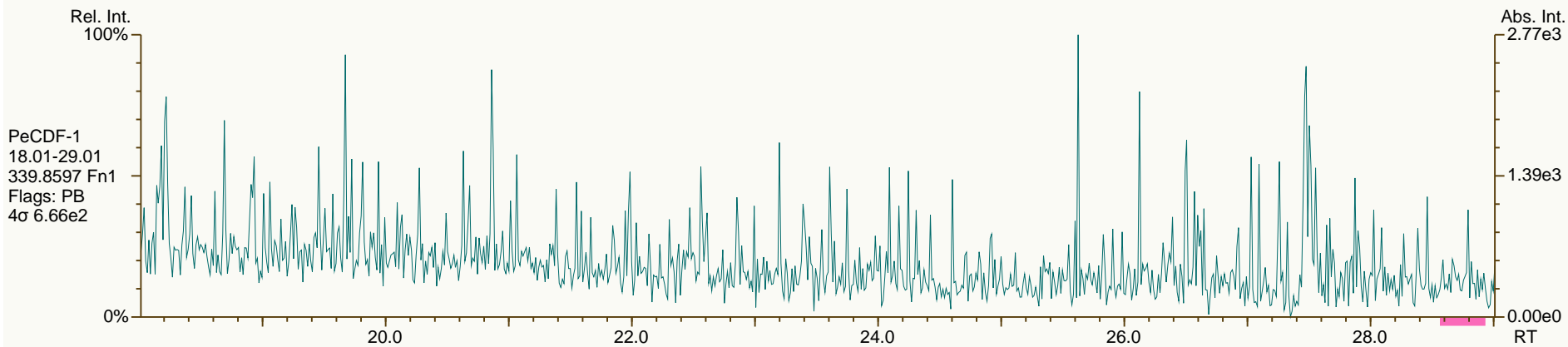
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SGS-AP ID: CS5
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SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

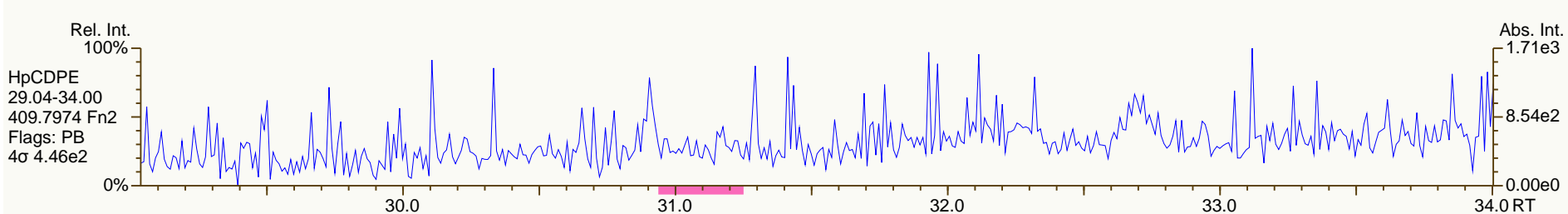
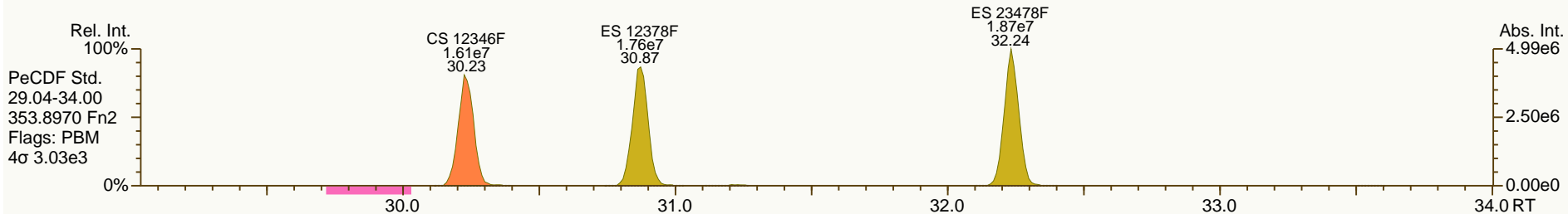
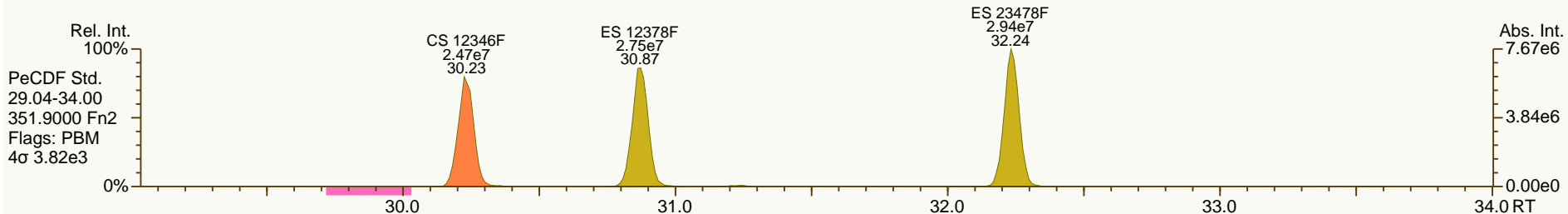
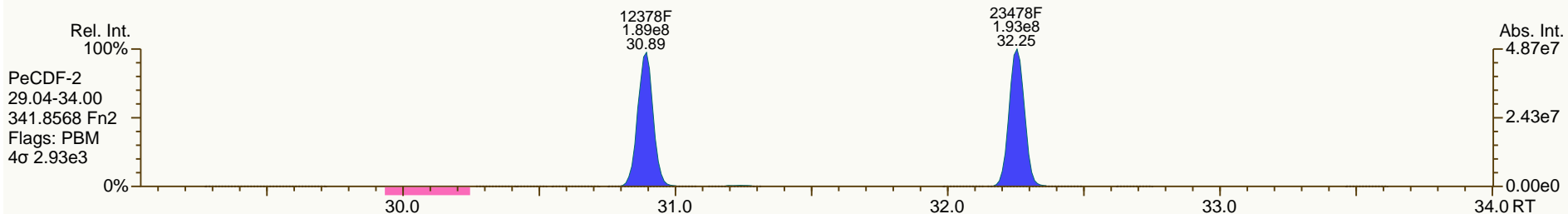
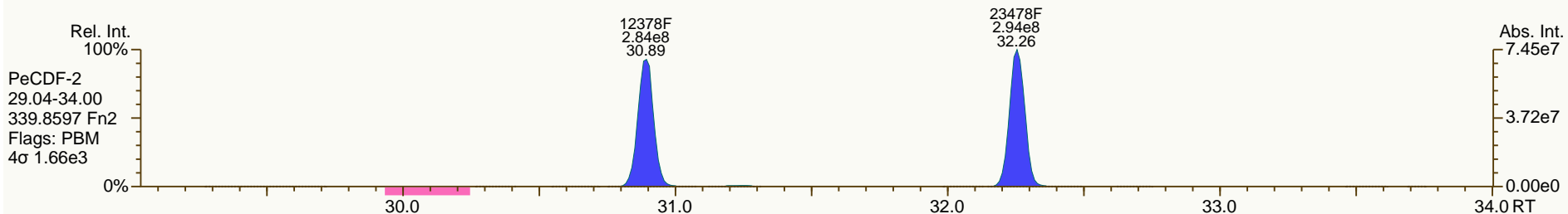
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SGS-AP ID: CS5
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Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

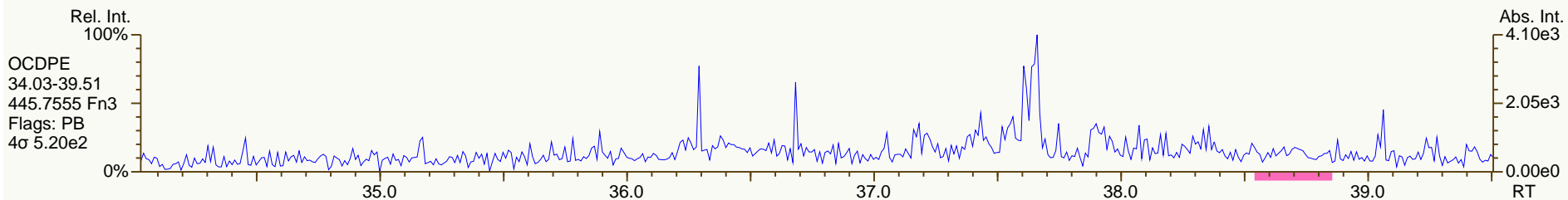
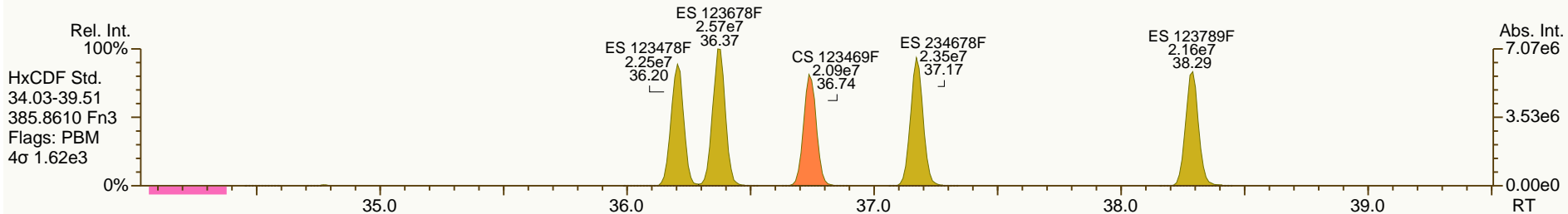
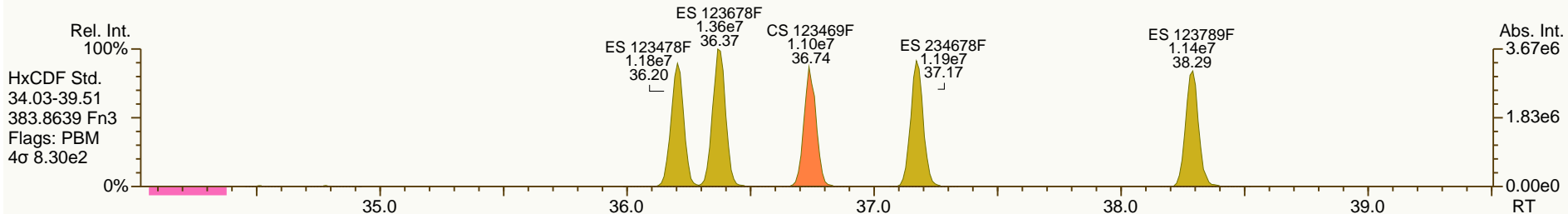
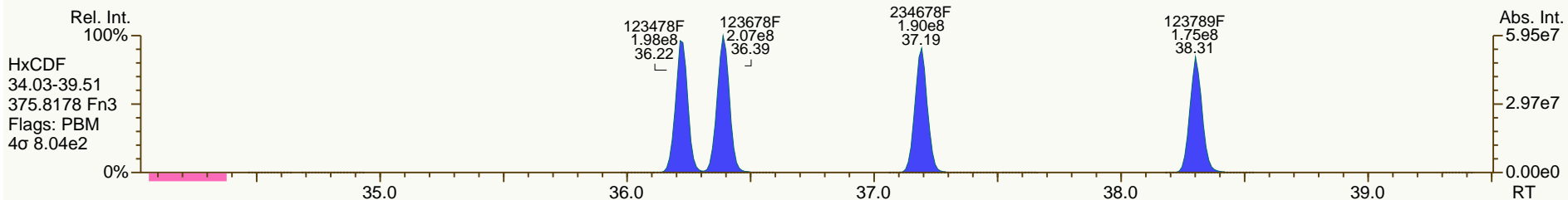
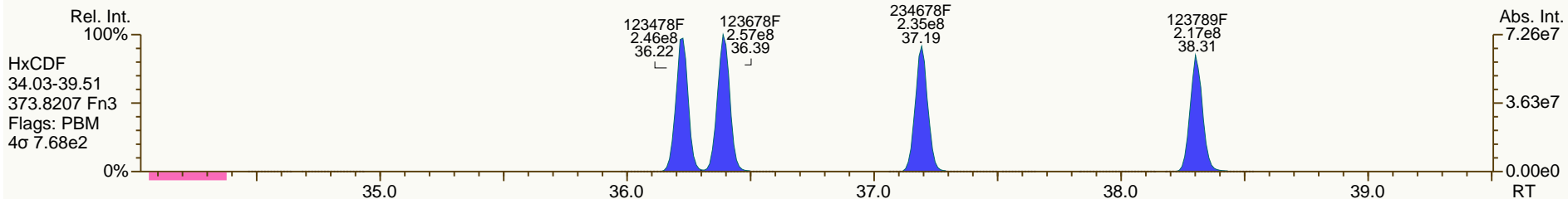
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

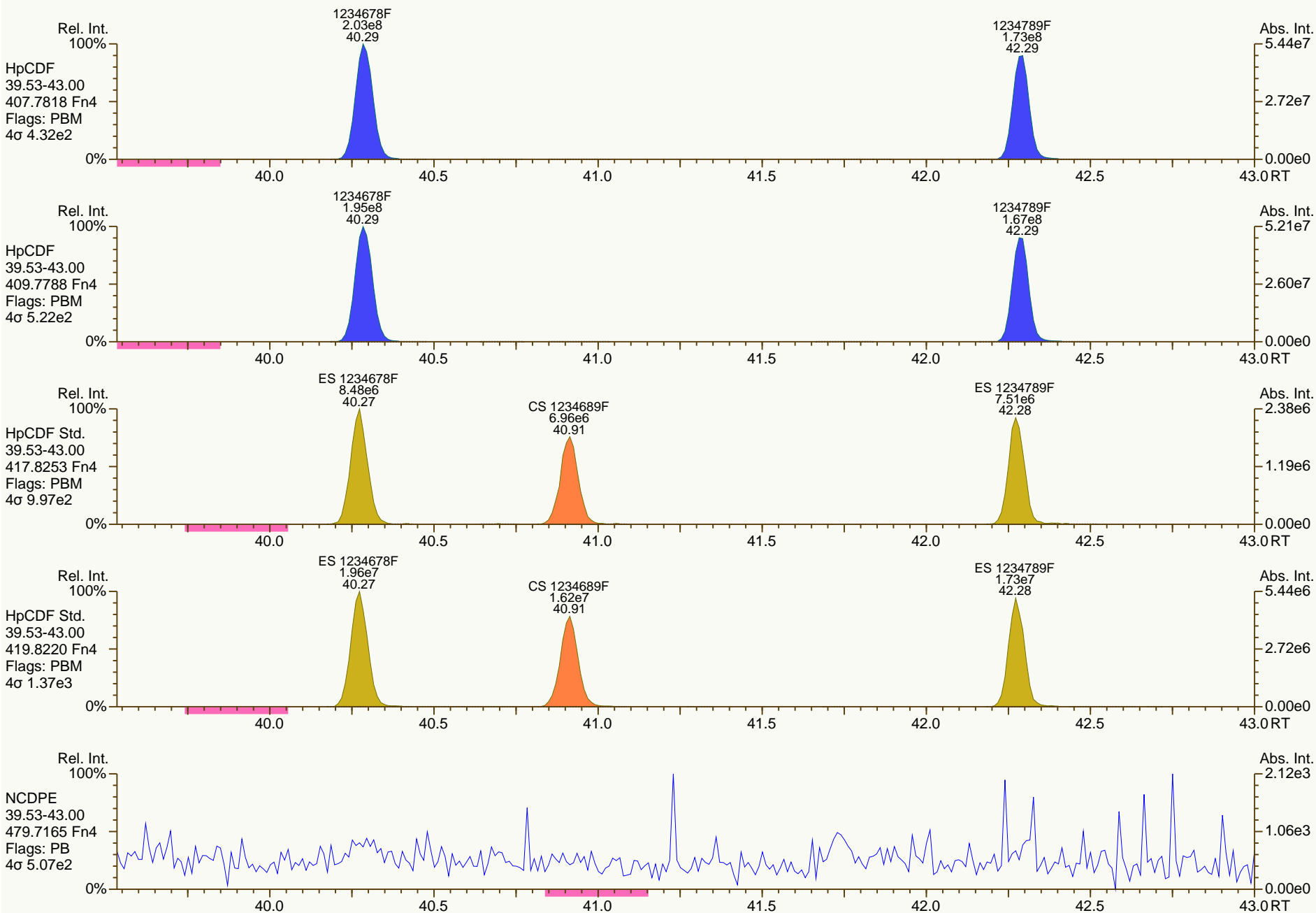
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SGS-AP ID: CS5
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

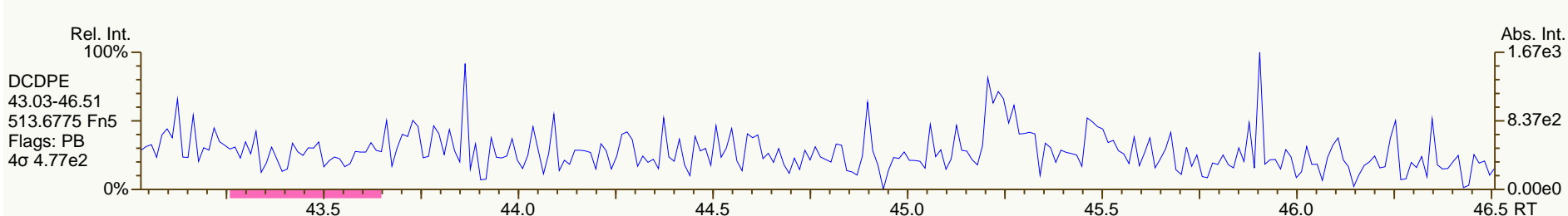
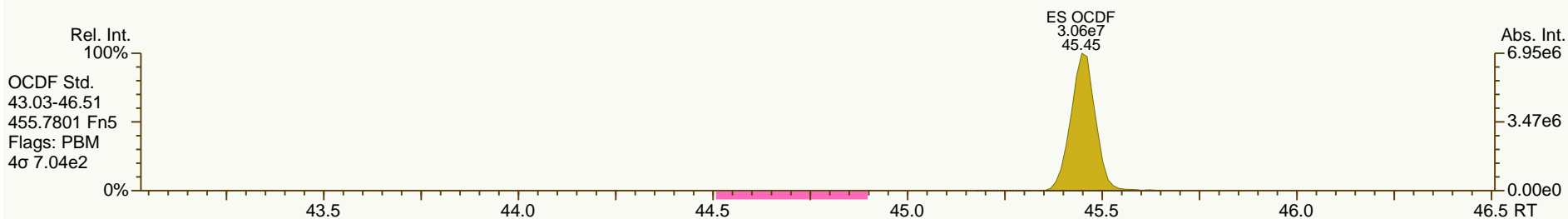
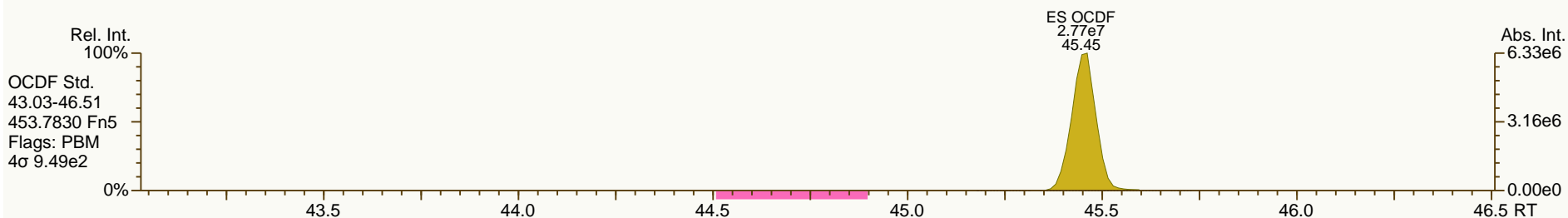
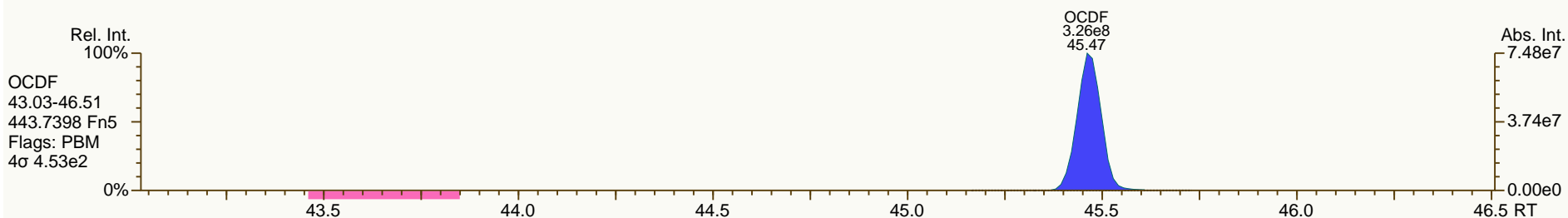
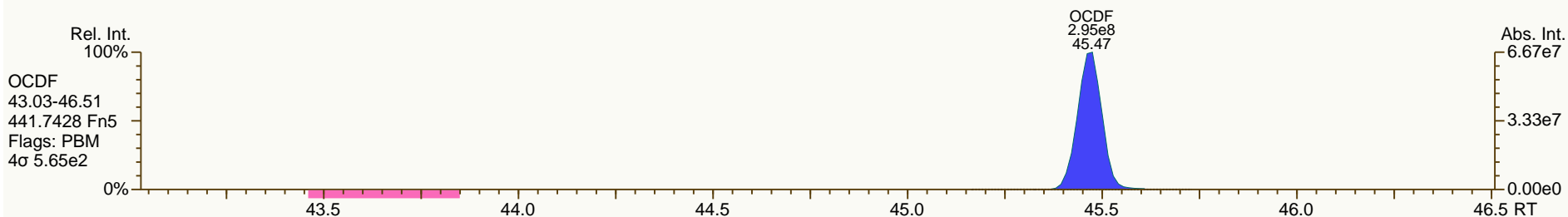
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 User: MDC Datafile: 130213P2-07



SGS-AP ID: CS5
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 21

Acq: 13-FEB-2013 17:58:29
User: MDC Datafile: 130213P2-07



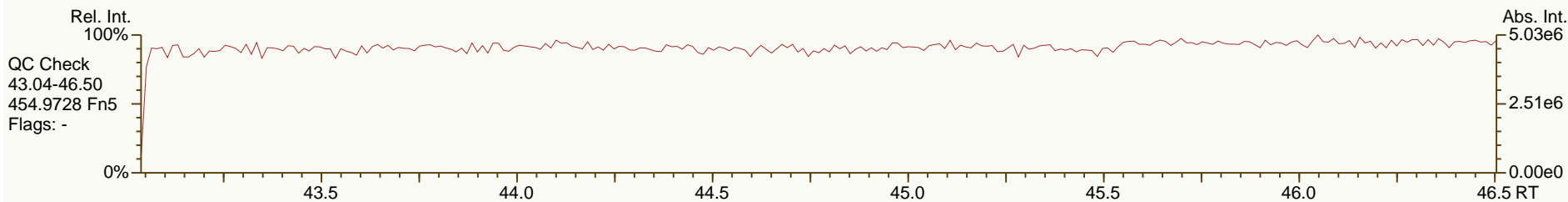
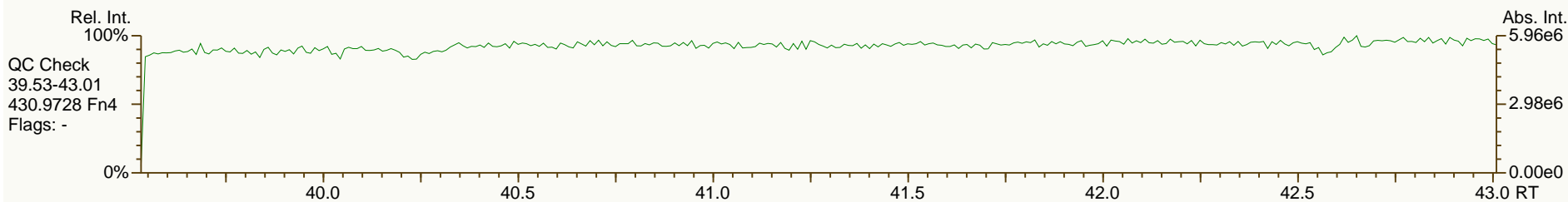
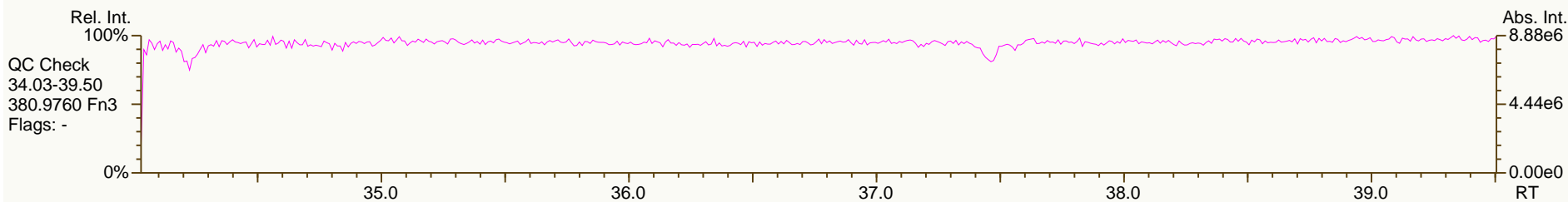
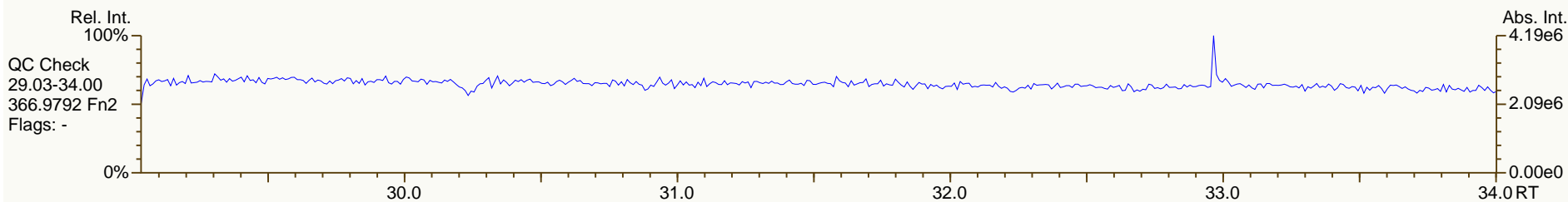
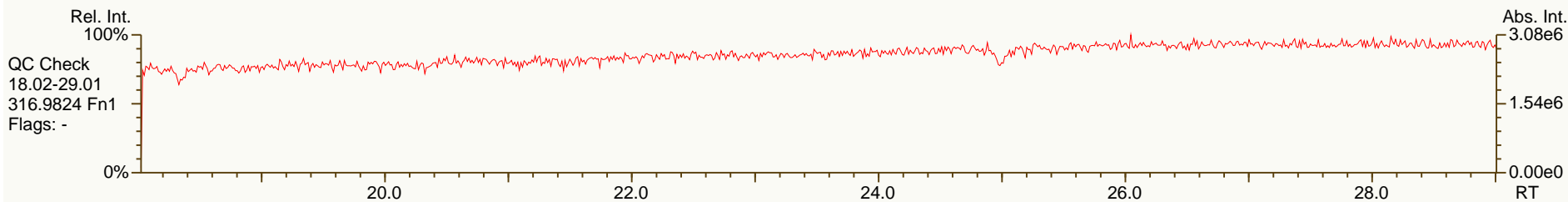
Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060-TRL		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
2378-TCDD	26.16	1.77E+08	0.78	Y	1.06	1.09	3%
12378-PeCDD	32.68	7.72E+08	1.57	Y	0.94	0.99	6%
123478-HxCDD	37.42	6.95E+08	1.27	Y	1.02	1.06	4%
123678-HxCDD	37.56	7.56E+08	1.26	Y	1.04	1.13	9%
123789-HxCDD	37.90	7.66E+08	1.26	Y	0.98	1.03	5%
1234678-HpCDD	41.73	6.56E+08	1.04	Y	1.02	1.08	5%
OCDD	45.25	1.12E+09	0.90	Y	1.08	1.14	5%
2378-TCDF	25.10	2.46E+08	0.77	Y	0.97	1.02	5%
12378-PeCDF	30.89	1.13E+09	1.51	Y	1.00	1.06	6%
23478-PeCDF	32.25	1.10E+09	1.50	Y	0.96	1.03	7%
123478-HxCDF	36.22	1.04E+09	1.24	Y	1.23	1.31	6%
123678-HxCDF	36.39	1.08E+09	1.24	Y	1.14	1.19	5%
234678-HxCDF	37.19	1.03E+09	1.24	Y	1.14	1.23	7%
123789-HxCDF	38.31	9.24E+08	1.24	Y	1.13	1.18	4%
1234678-HpCDF	40.29	9.61E+08	1.03	Y	1.34	1.45	8%
1234789-HpCDF	42.29	8.30E+08	1.04	Y	1.30	1.39	7%
OCDF	45.47	1.42E+09	0.89	Y	1.00	1.05	5%
ES 2378-TCDD	26.13	3.25E+07	0.79	Y	1.01	1.04	3%
ES 12378-PeCDD	32.66	3.11E+07	1.59	Y	0.90	1.00	11%
ES 123478-HxCDD	37.41	2.62E+07	1.28	Y	0.99	1.08	9%
ES 123678-HxCDD	37.54	2.67E+07	1.28	Y	1.02	1.10	8%
ES 123789-HxCDD	37.88	2.99E+07	1.28	Y	1.12	1.23	11%
ES 1234678-HpCDD	41.72	2.43E+07	1.06	Y	0.90	1.01	11%
ES OCDD	45.24	3.93E+07	0.88	Y	0.74	0.81	9%
ES 2378-TCDF	25.08	4.82E+07	0.78	Y	1.05	1.11	5%
ES 12378-PeCDF	30.87	4.26E+07	1.54	Y	0.88	0.98	12%
ES 23478-PeCDF	32.23	4.24E+07	1.57	Y	0.91	0.98	7%
ES 123478-HxCDF	36.20	3.19E+07	0.53	Y	1.25	1.32	5%
ES 123678-HxCDF	36.37	3.62E+07	0.52	Y	1.40	1.50	7%
ES 234678-HxCDF	37.17	3.35E+07	0.52	Y	1.29	1.38	7%
ES 123789-HxCDF	38.29	3.13E+07	0.52	Y	1.17	1.29	11%
ES 1234678-HpCDF	40.27	2.65E+07	0.44	Y	1.03	1.09	6%
ES 1234789-HpCDF	42.27	2.38E+07	0.44	Y	0.89	0.98	11%
ES OCDF	45.46	5.41E+07	0.92	Y	1.00	1.12	11%

Dioxin/Furan QC Summary		Acq'd: 13 Feb 2013 18:49 MDC			ICAL: MM1_11012010A_DF_13FEB2013		
Lab ID: CS6		UTP: 14-Feb-2013 08:45 MDC			Checkcode: 376-060		
Sample ID: 11012012A		Report: 14 Feb 2013 08:51 MC			Datafile: 130213P2-08		
Name	RT	Response	RA	OK	Ref. RRFs	Calc. RRFs	Dev'n
JS 1234-TCDD	25.35	3.11E+07	0.81	Y	-	-	-
JS 1234-TCDF	23.44	4.34E+07	0.78	Y	-	-	-
JS 123467-HxCDD	37.76	1.21E+07	1.28	Y	-	-	-
CS 37C1-2378-TCDD	NotFnd		n/a	-			
CS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.79	0.81	2%
CS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.87	0.87	0%
CS 123469-HxCDF	36.74	2.88E+07	0.51	Y	1.21	1.19	-2%
CS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.89	0.87	-2%
SS 37C1-2378-TCDD	NotFnd		n/a	-			
SS 12347-PeCDD	32.05	2.51E+07	1.57	Y	0.89	0.81	-9%
SS 12346-PeCDF	30.23	3.77E+07	1.54	Y	0.99	0.88	-11%
SS 123469-HxCDF	36.74	2.88E+07	0.51	Y	0.87	0.79	-8%
SS 1234689-HpCDF	40.91	2.12E+07	0.43	Y	0.87	0.80	-8%
AS 1368-TCDD	21.75	3.11E+07	0.78	Y	1.00	1.00	0%
AS 1368-TCDF	19.69	5.27E+07	0.78	Y	1.20	1.21	1%
FS 1278-TCDD	26.54	3.70E+07	0.79	Y	1.18	1.14	-4%
FS 12478-PeCDD	31.18	3.10E+07	1.61	Y	1.07	1.00	-7%
FS 123468-HxCDD	36.13	2.99E+07	1.29	Y	1.29	1.14	-11%
FS 1234679-HpCDD	40.70	2.56E+07	1.07	Y	1.18	1.05	-11%
TS 1378-TCDD	24.14	3.51E+07	0.80	Y	1.12	1.08	-3%
OCDD-a	45.25	6.84E+07	2.49	Y	0.07	0.07	5%
OCDF-a	45.47	8.66E+07	2.54	Y	0.06	0.06	5%

SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

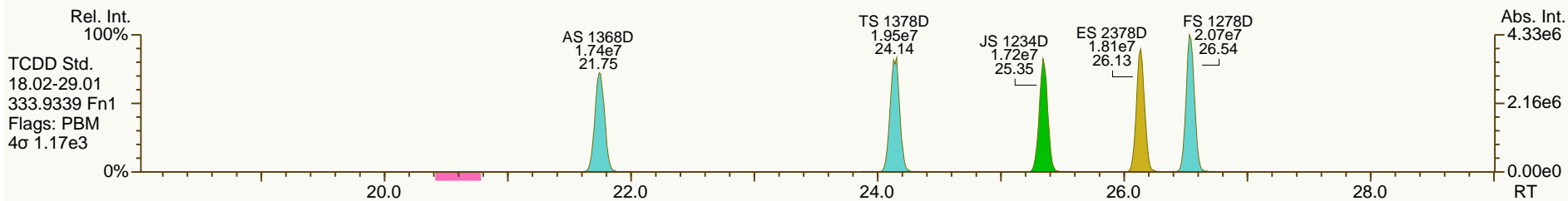
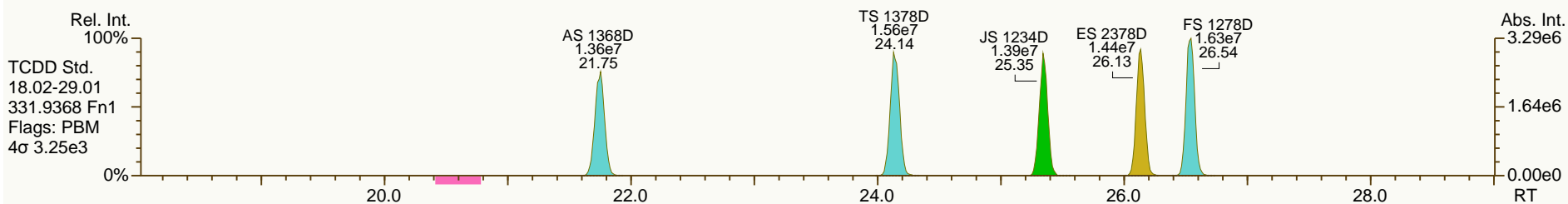
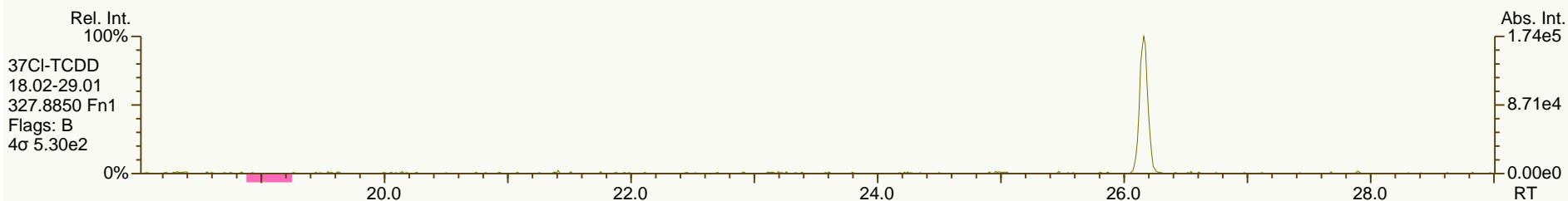
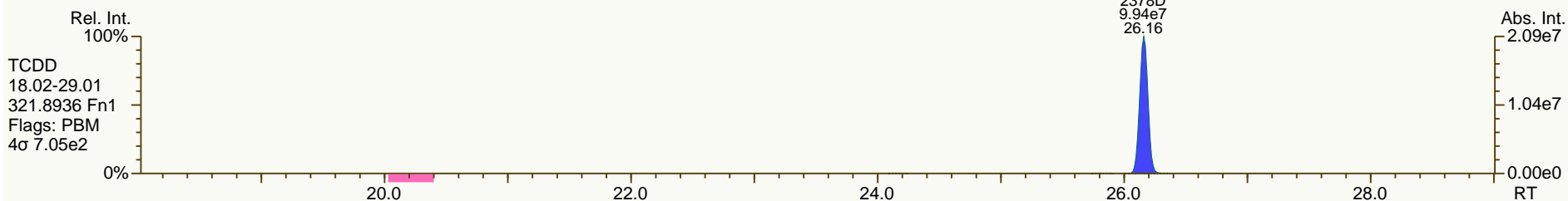
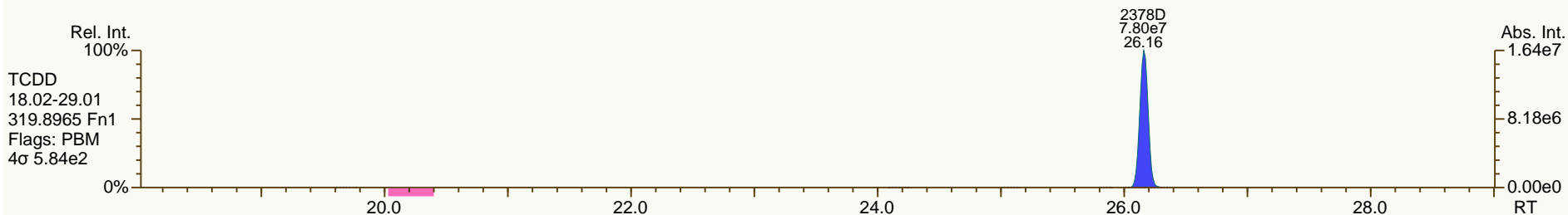
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

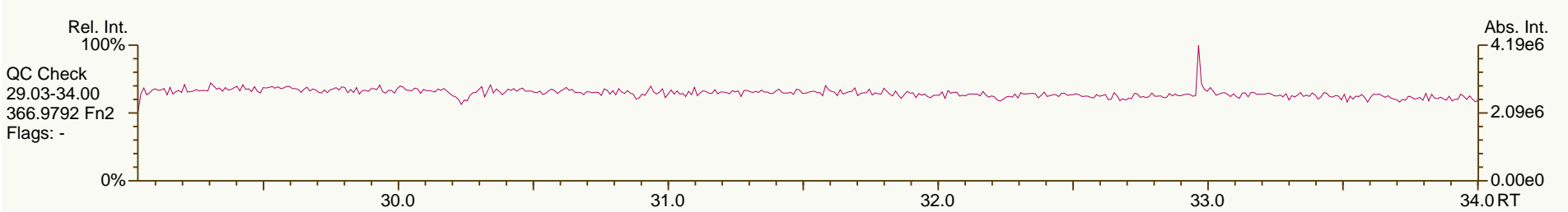
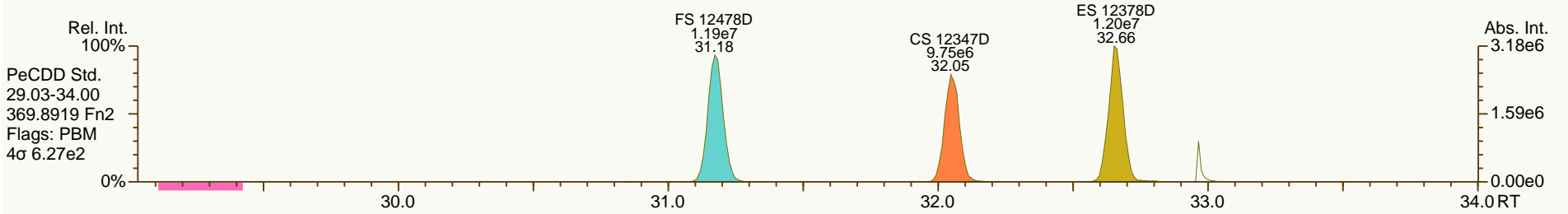
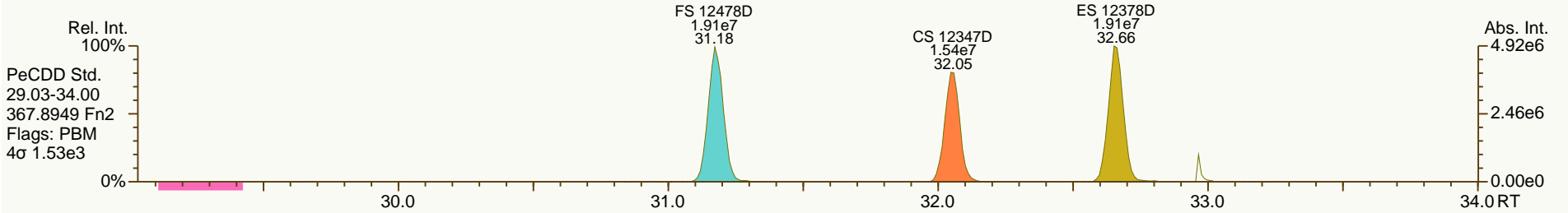
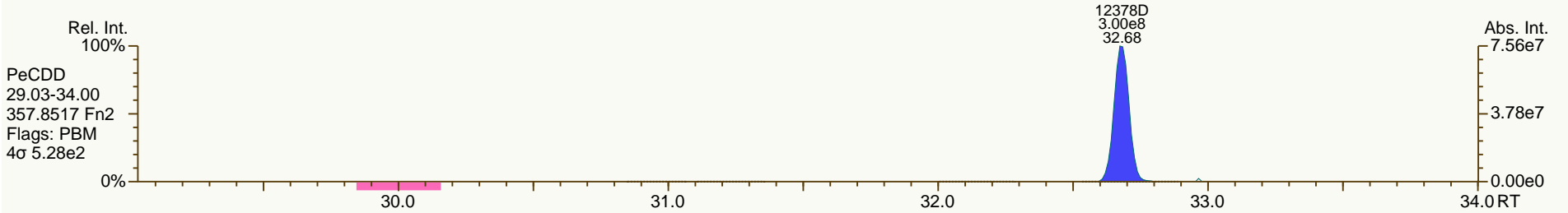
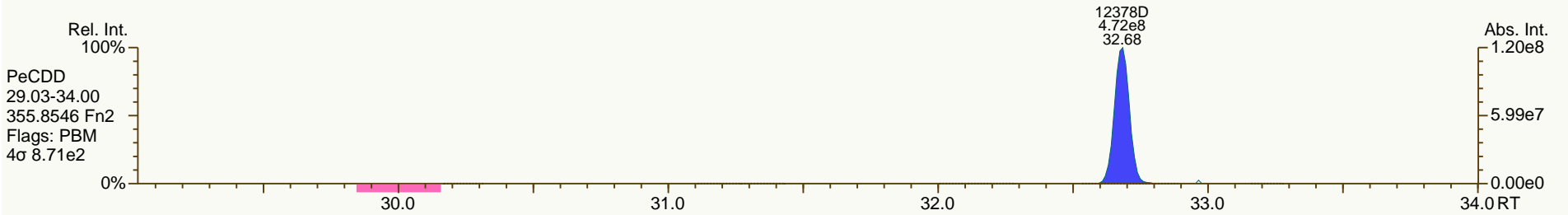
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

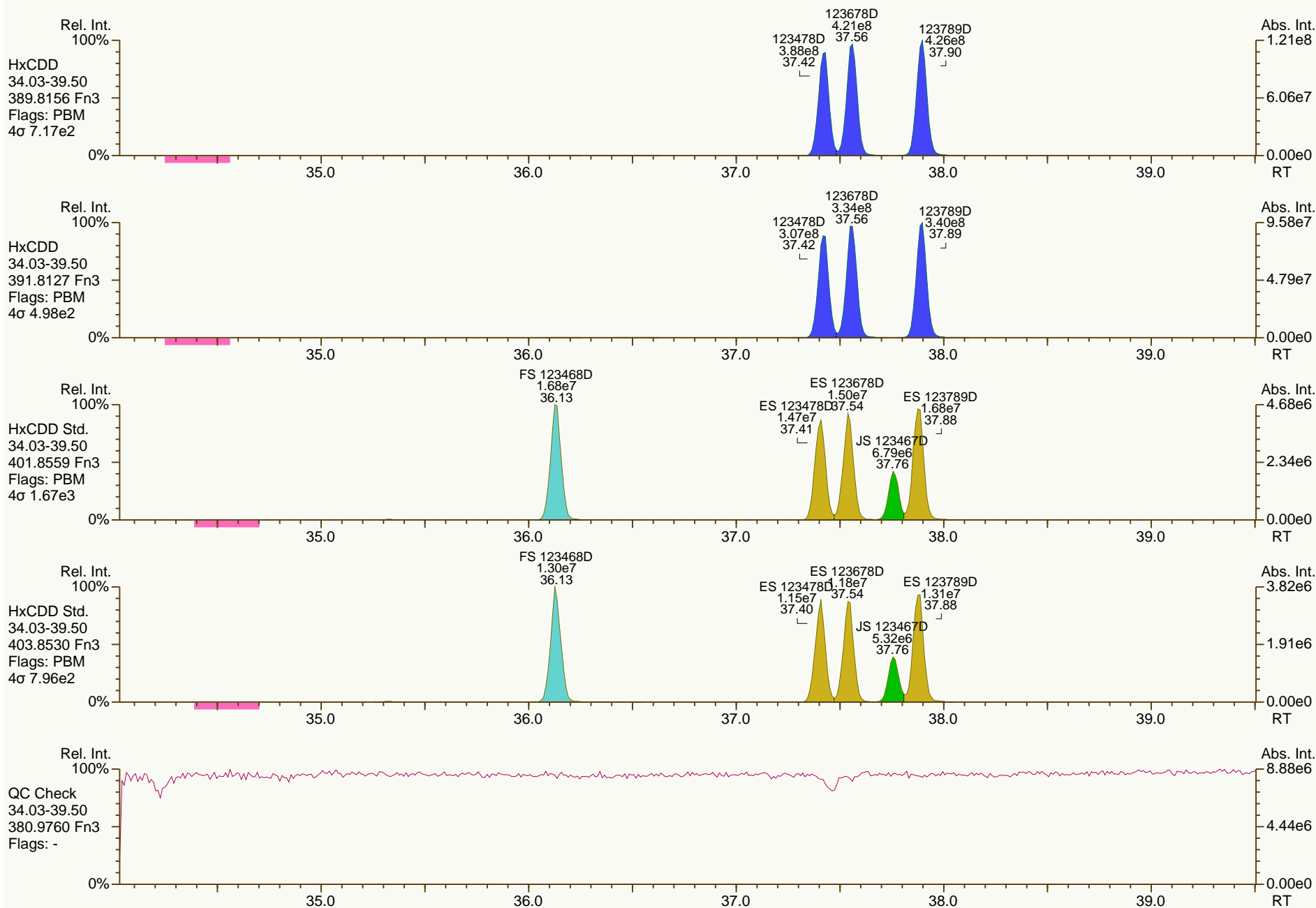
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

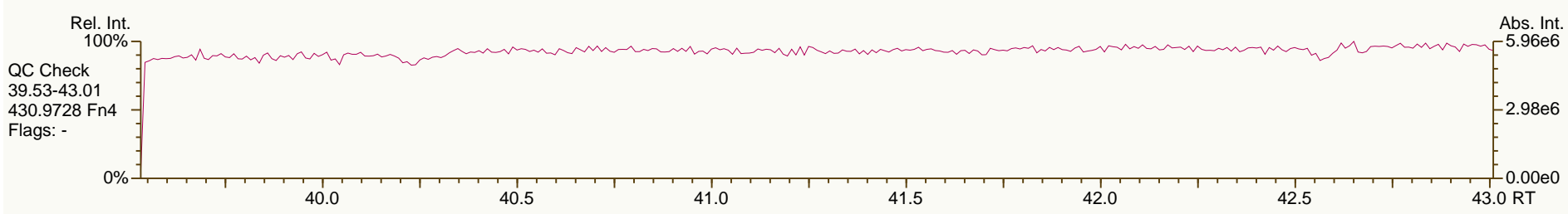
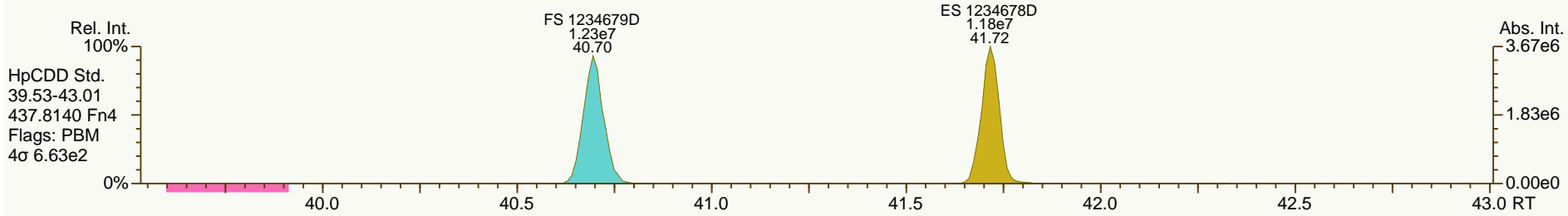
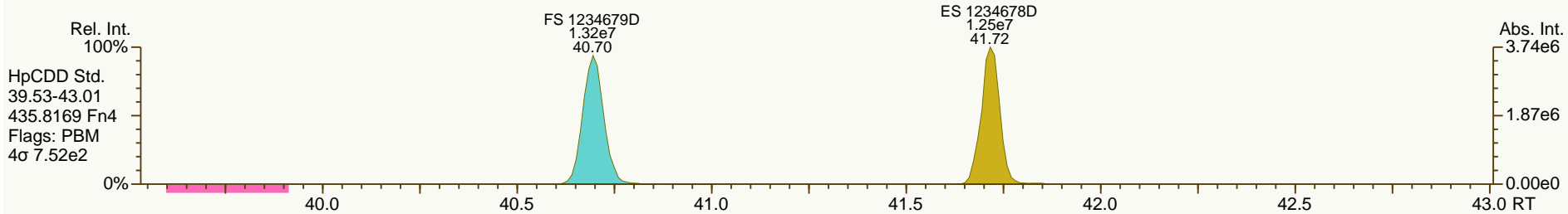
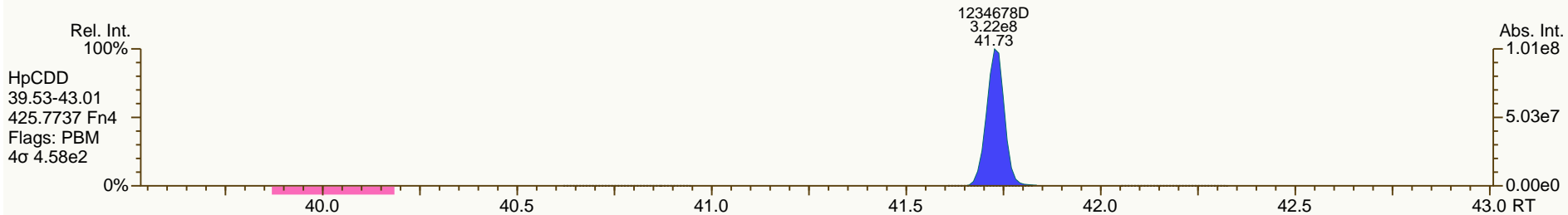
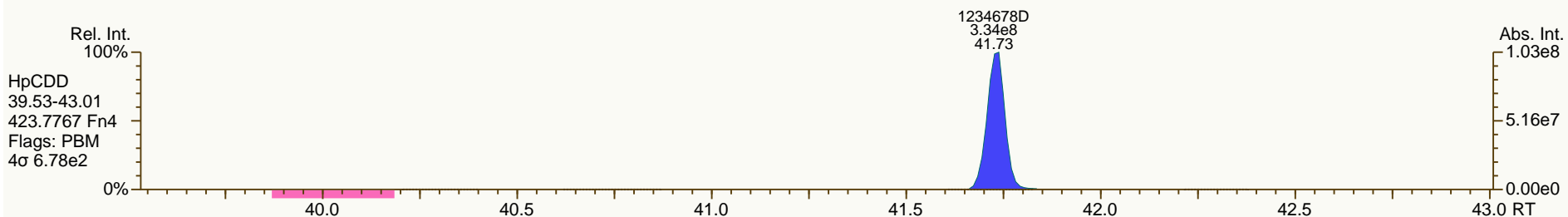
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

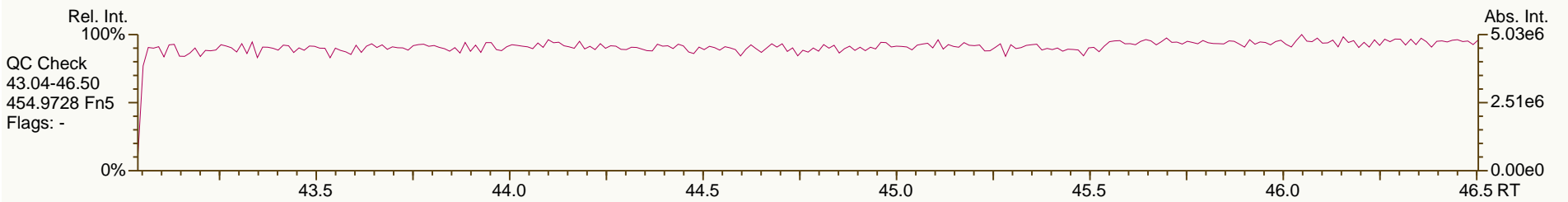
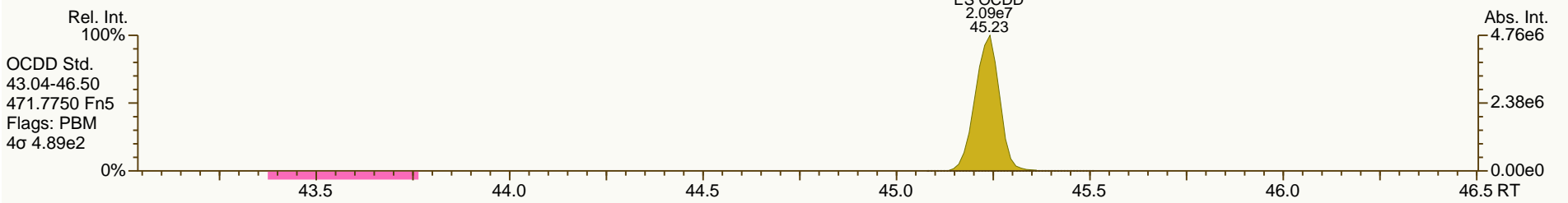
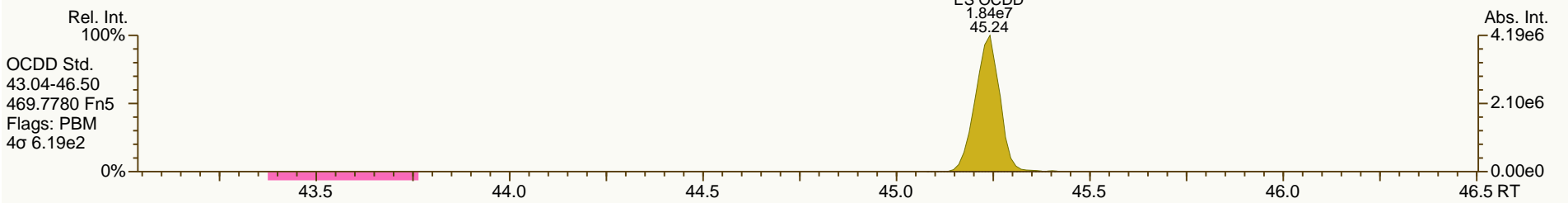
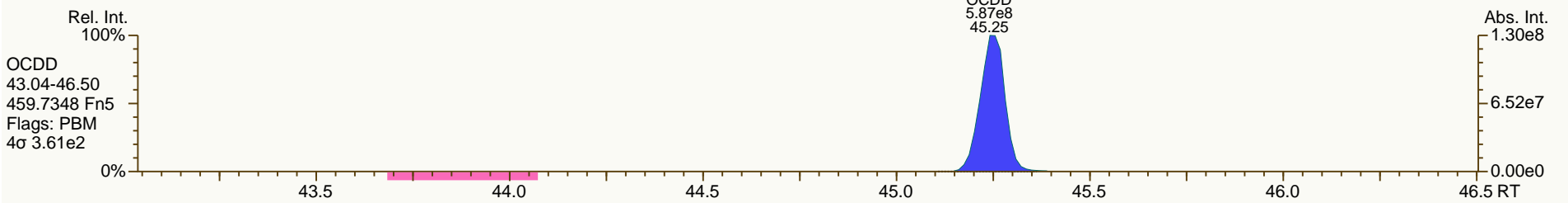
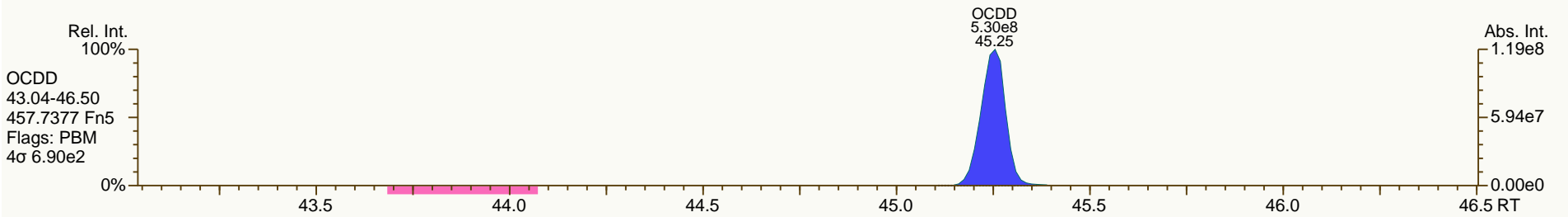
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

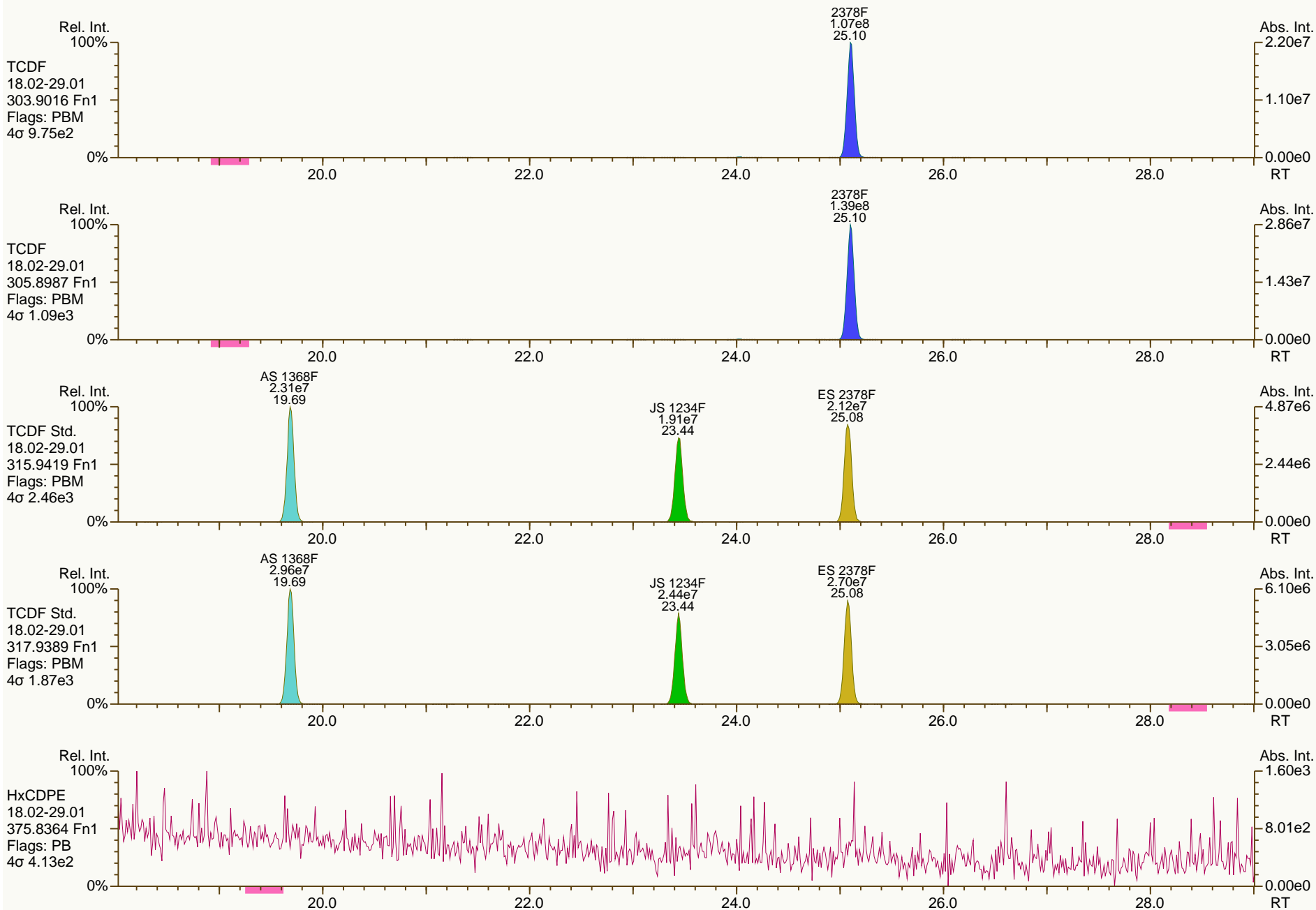
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

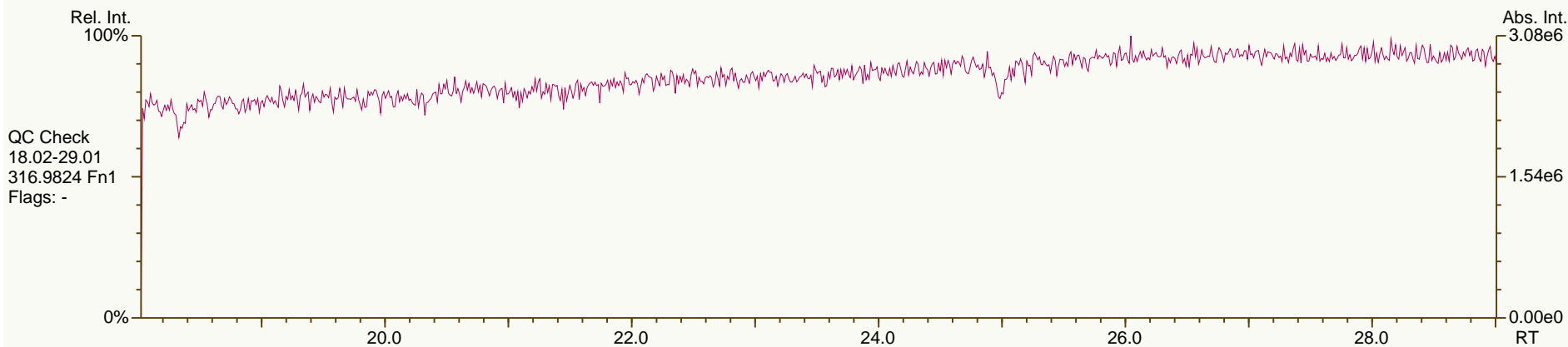
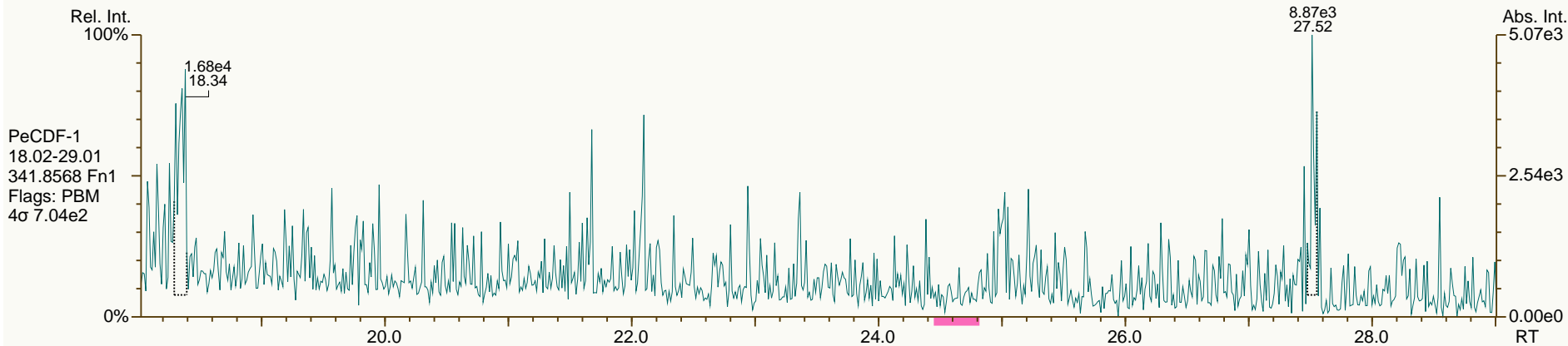
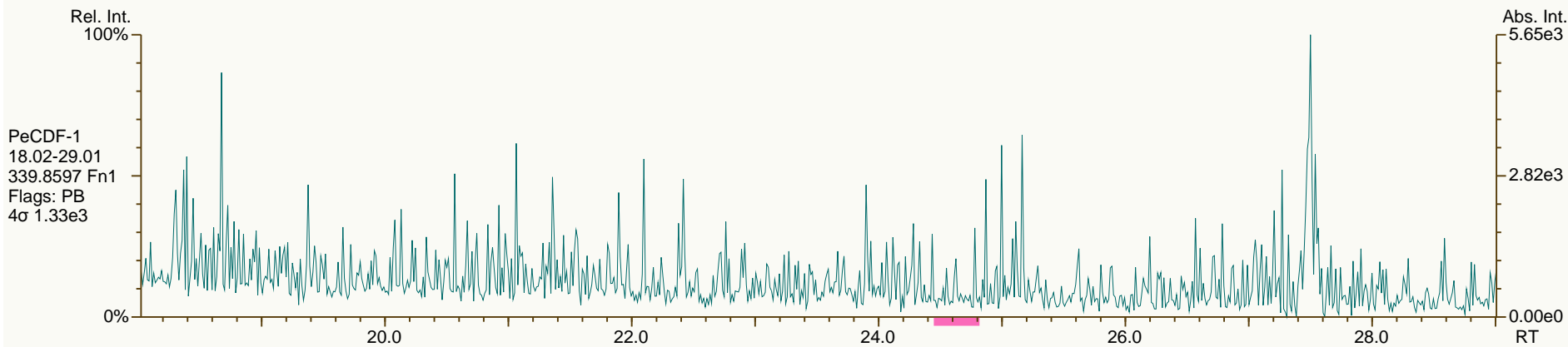
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

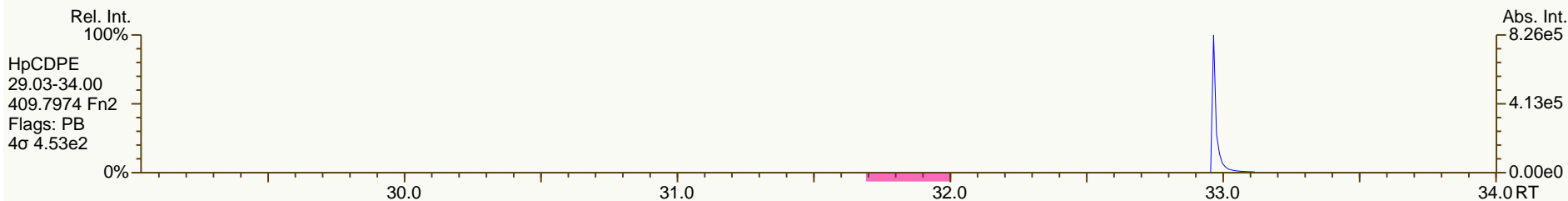
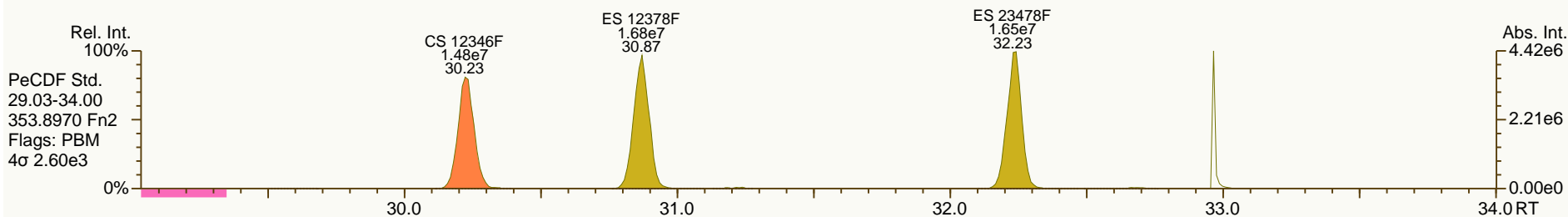
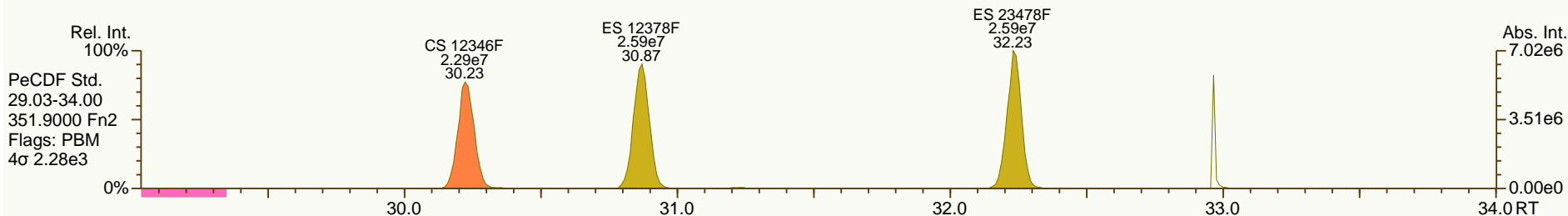
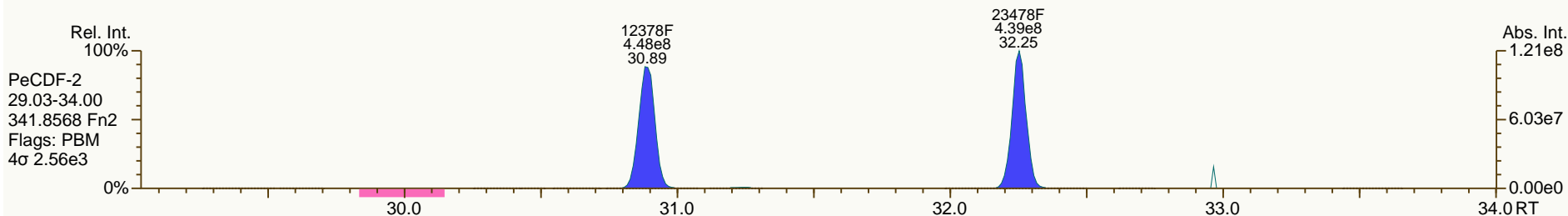
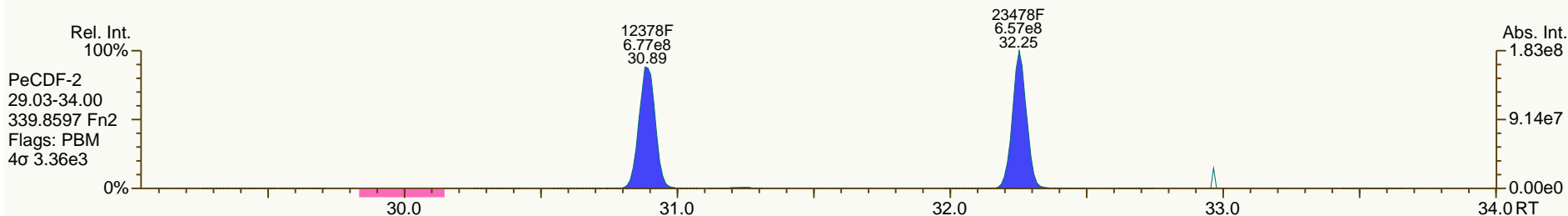
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

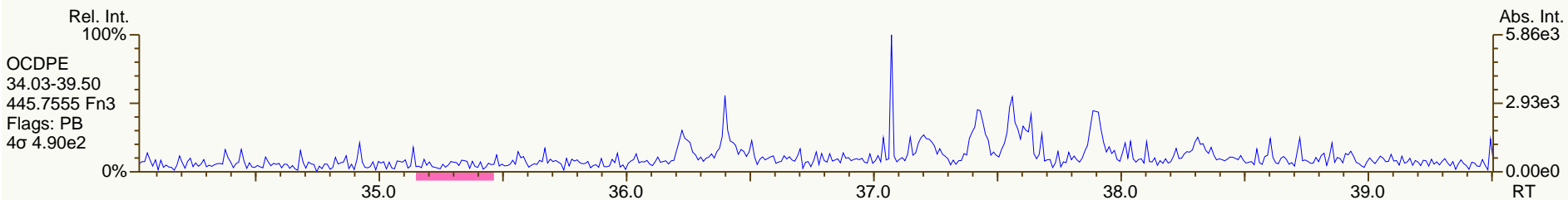
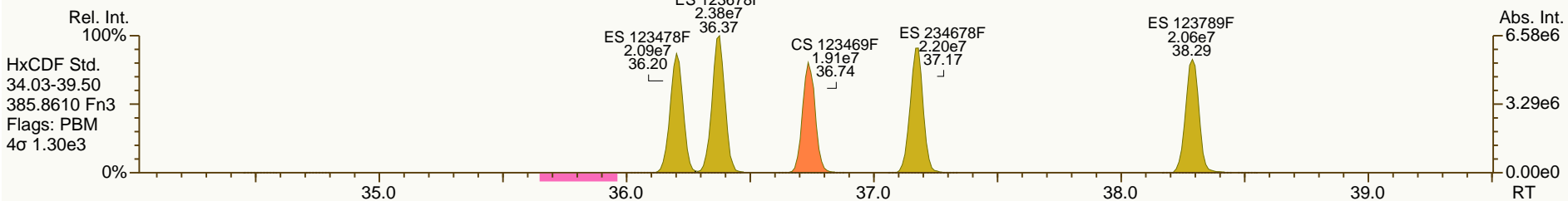
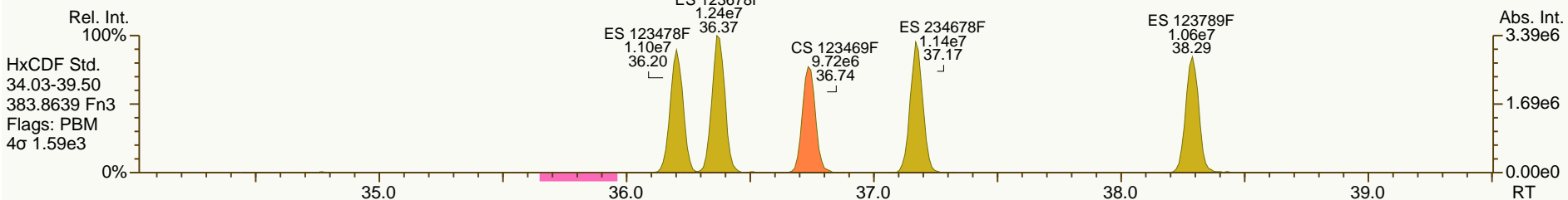
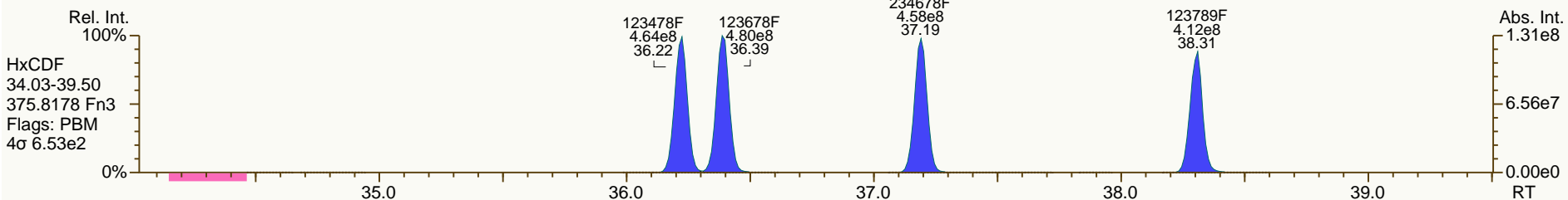
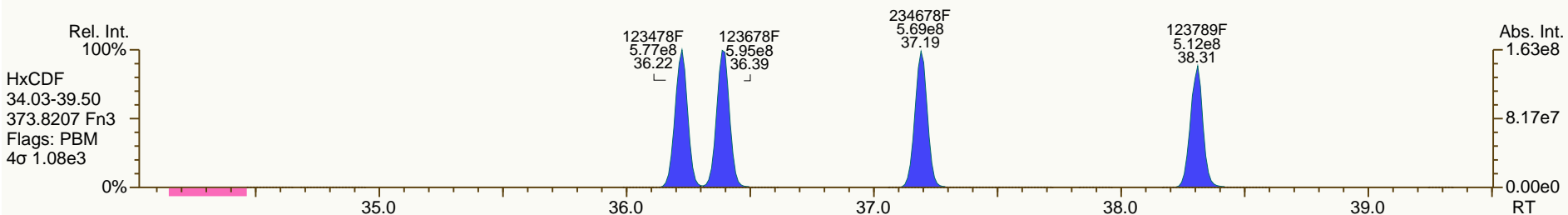
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SGS-AP ID: CS6
 Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

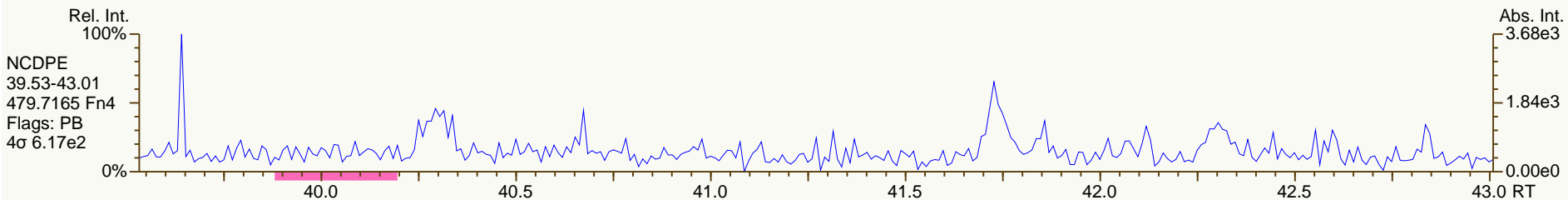
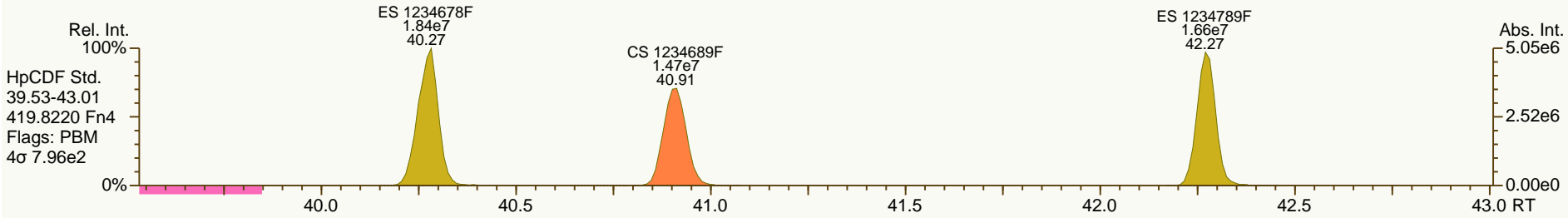
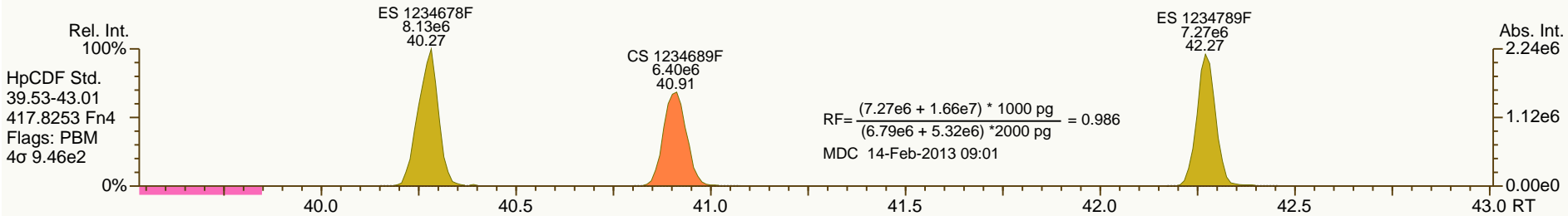
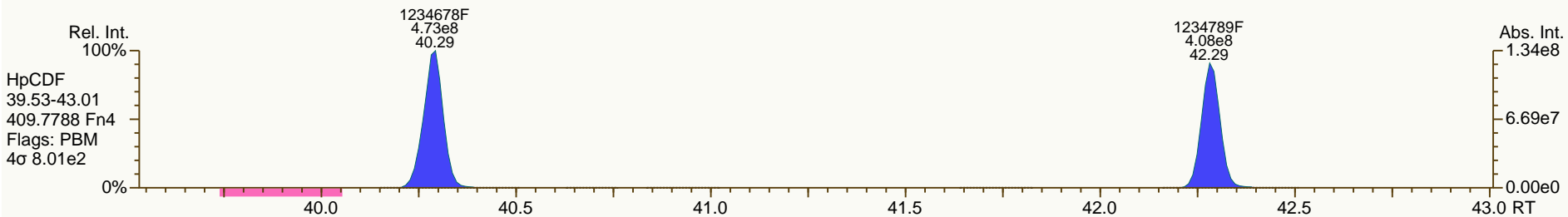
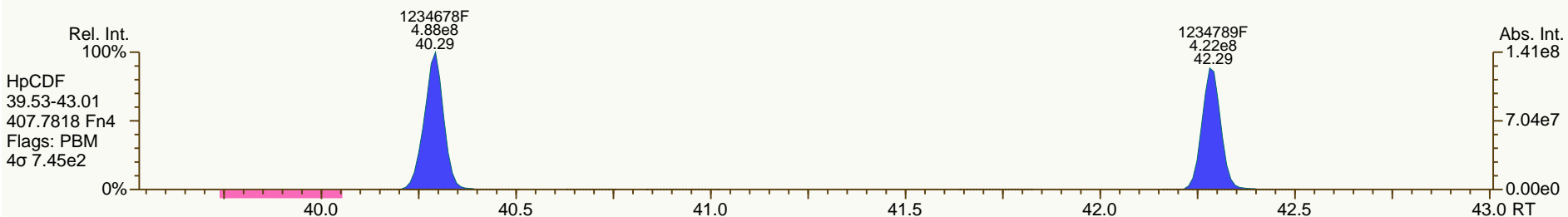
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

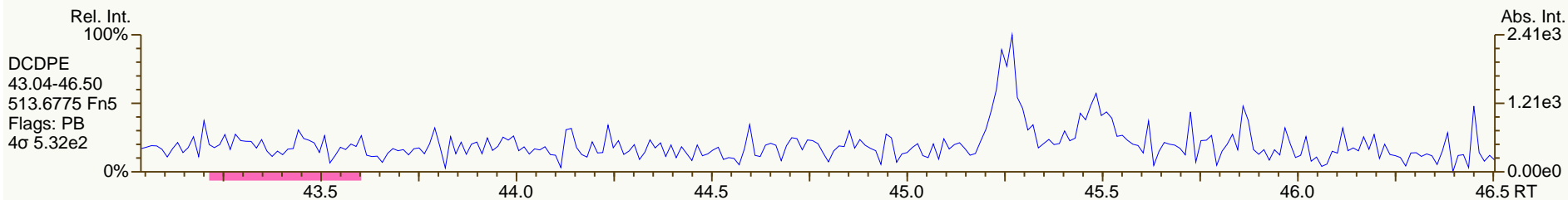
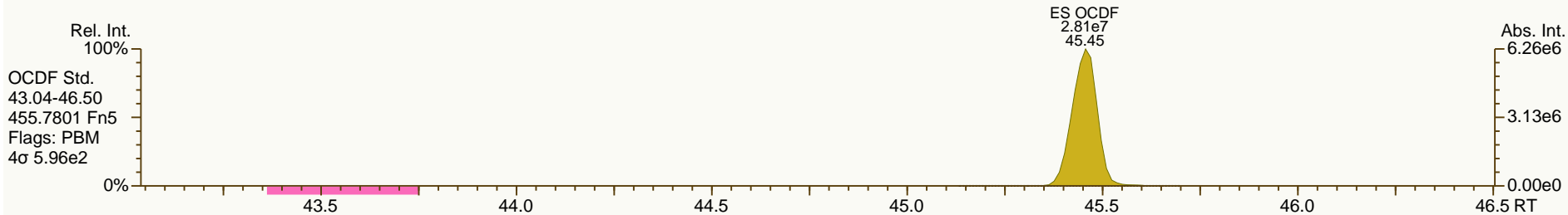
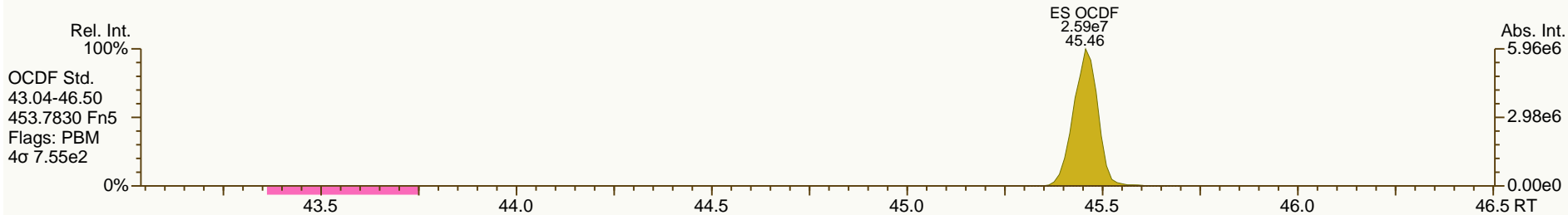
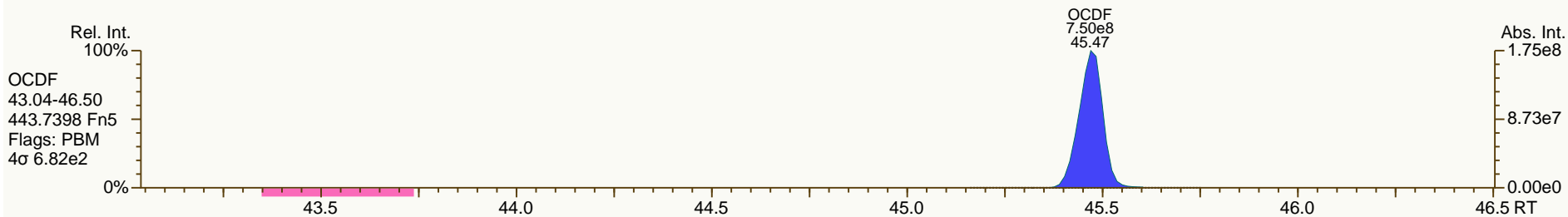
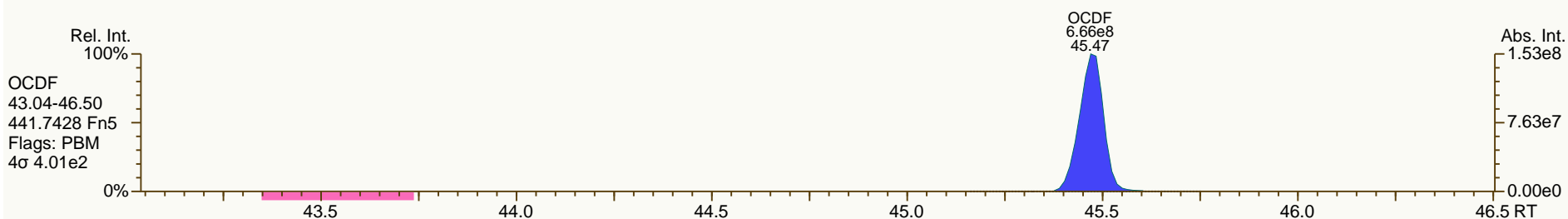
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SGS-AP ID: CS6
Instr: AutoSpec-Ultima MM1

Sample ID: 11012012A
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 22

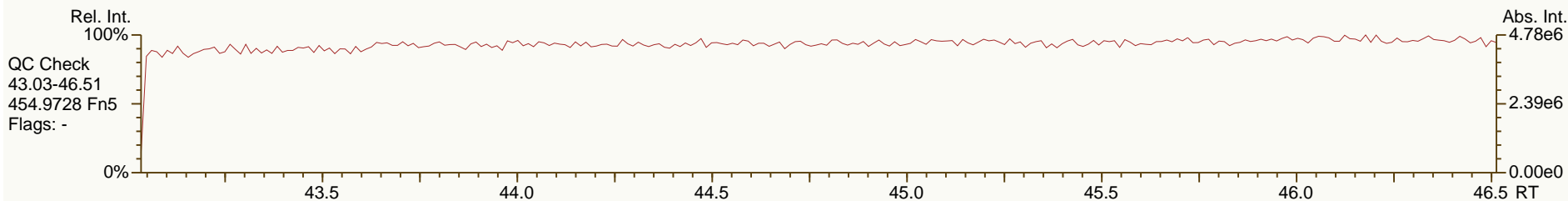
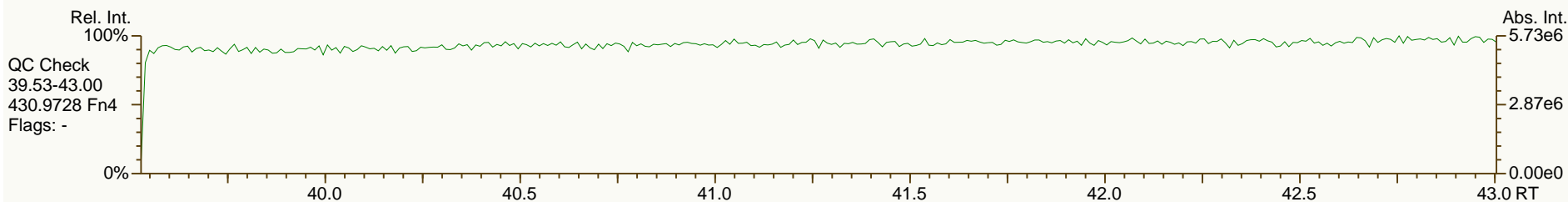
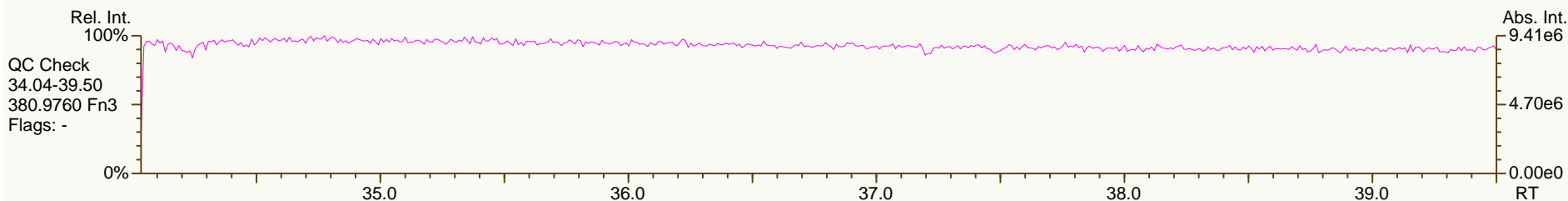
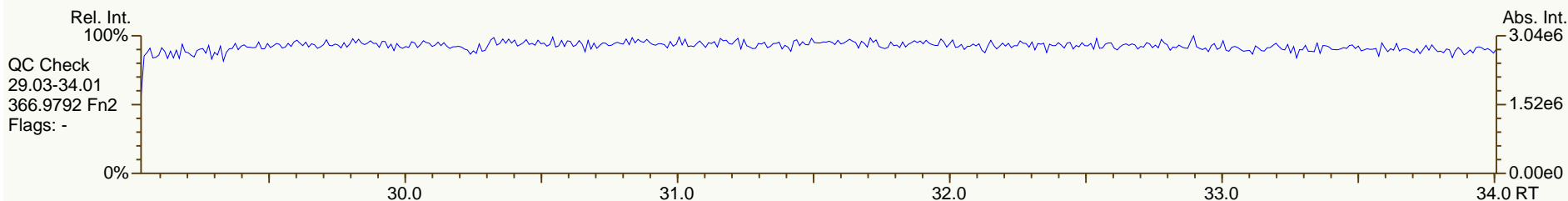
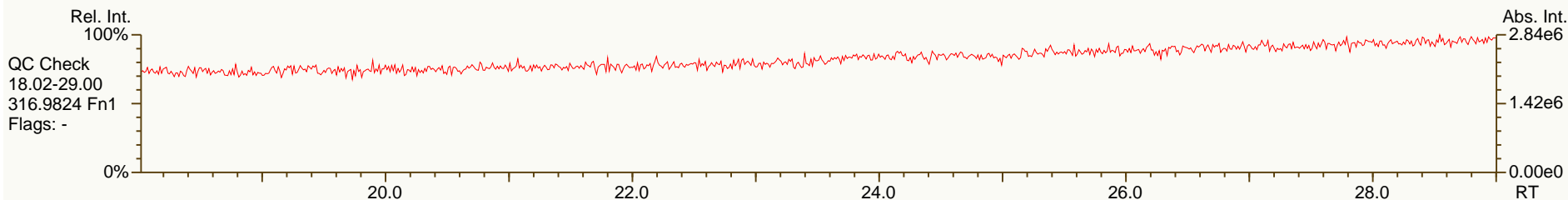
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User: MDC Datafile: 130213P2-08



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

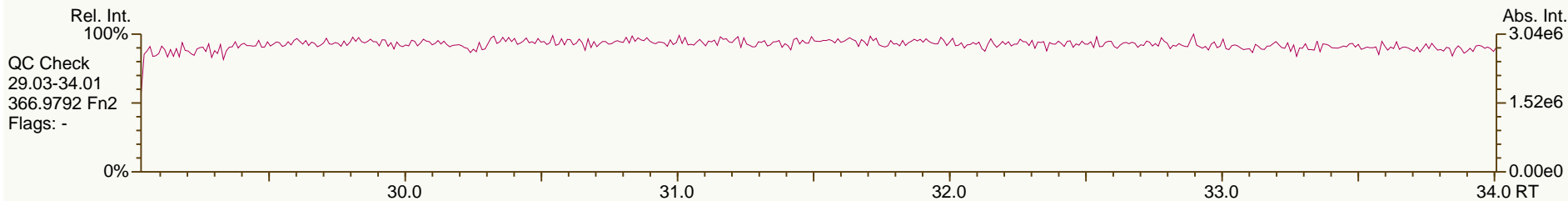
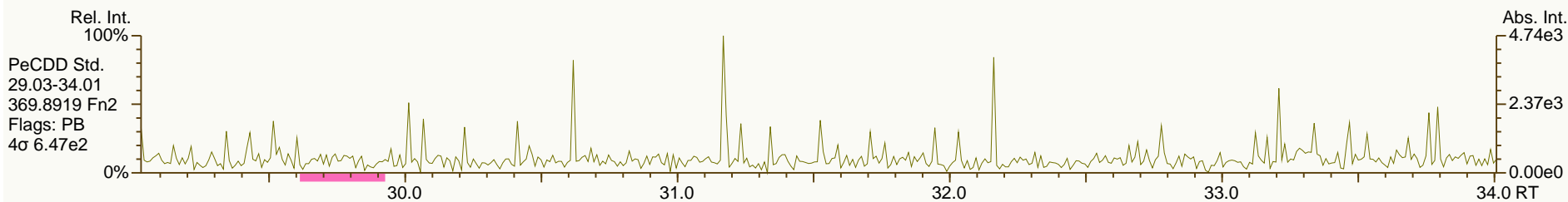
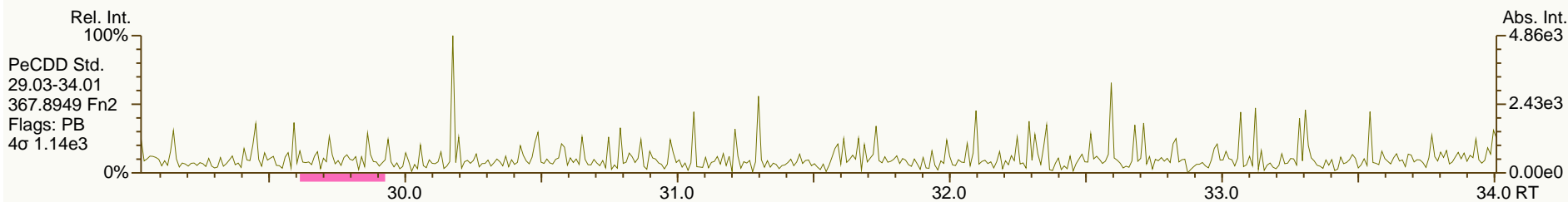
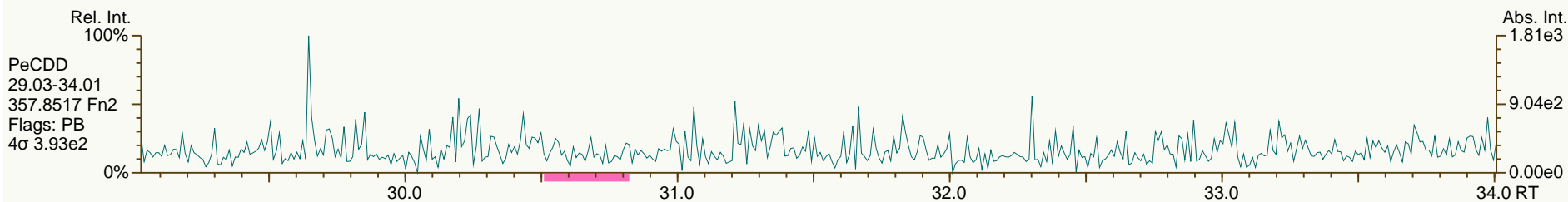
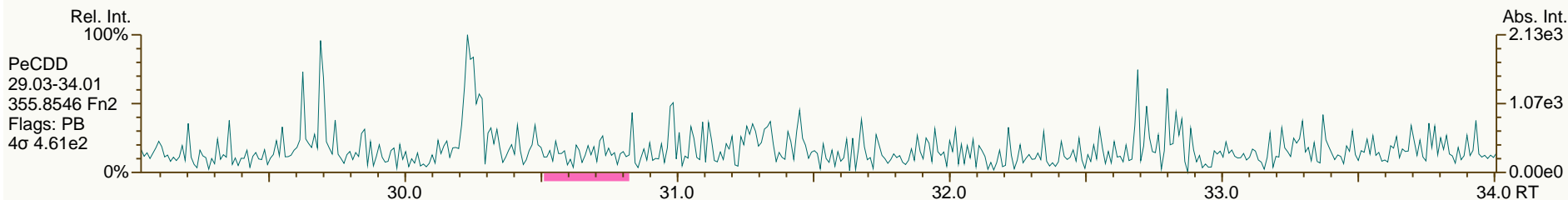
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

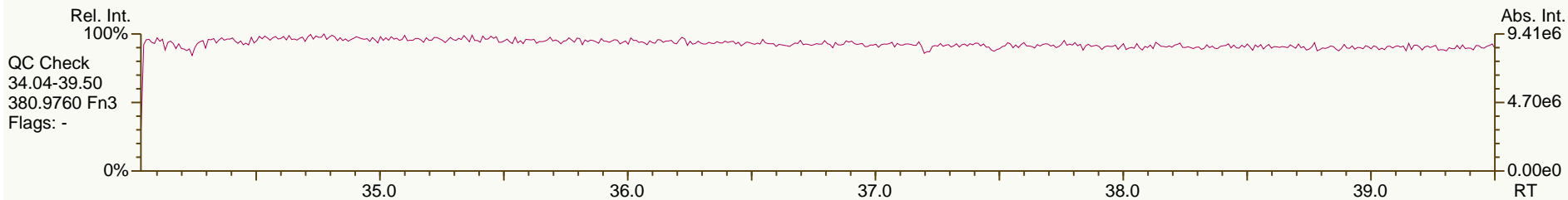
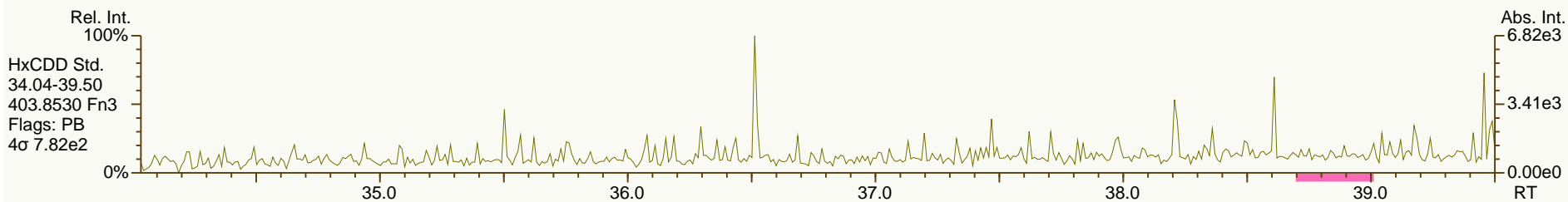
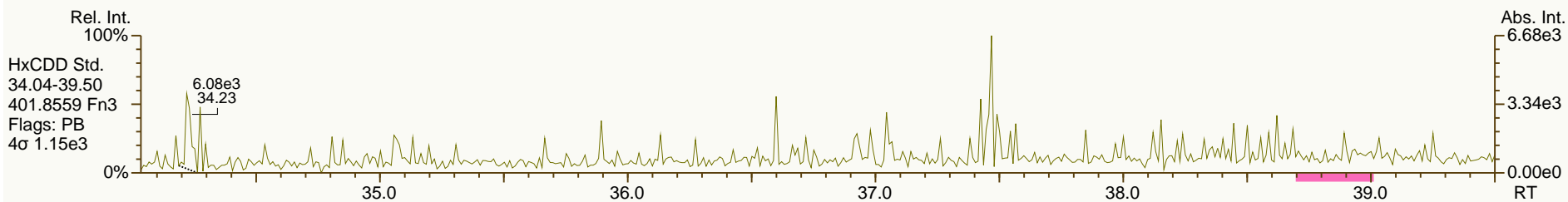
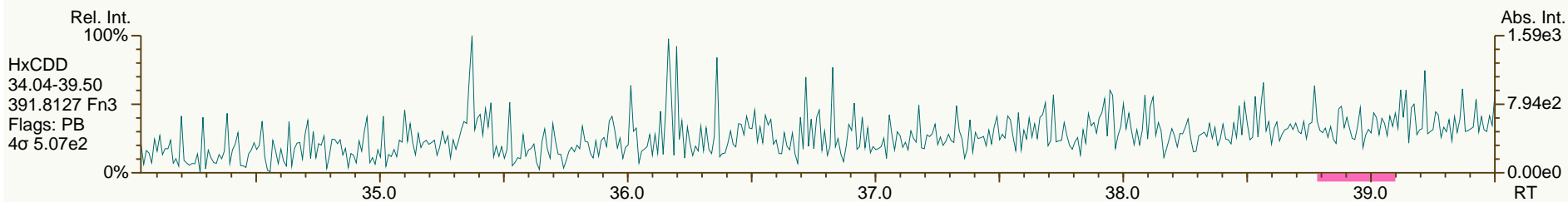
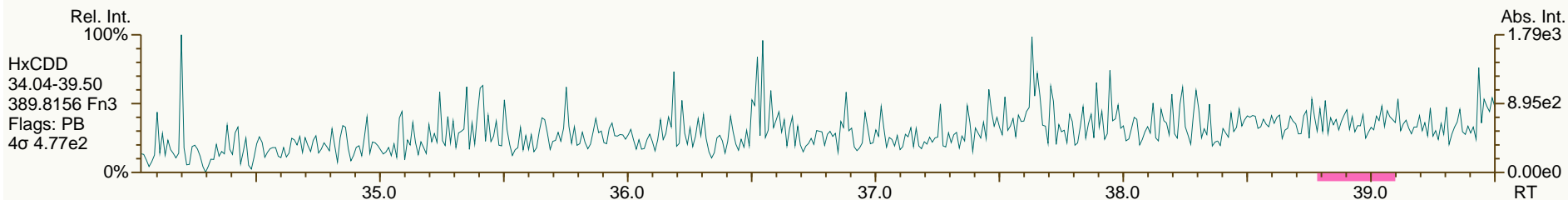
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

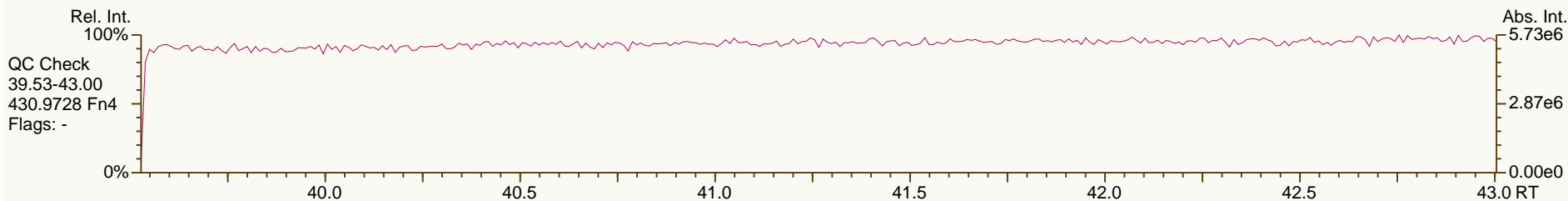
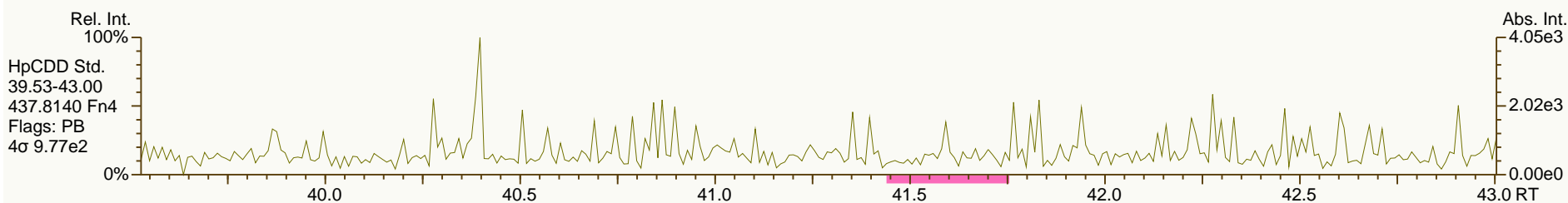
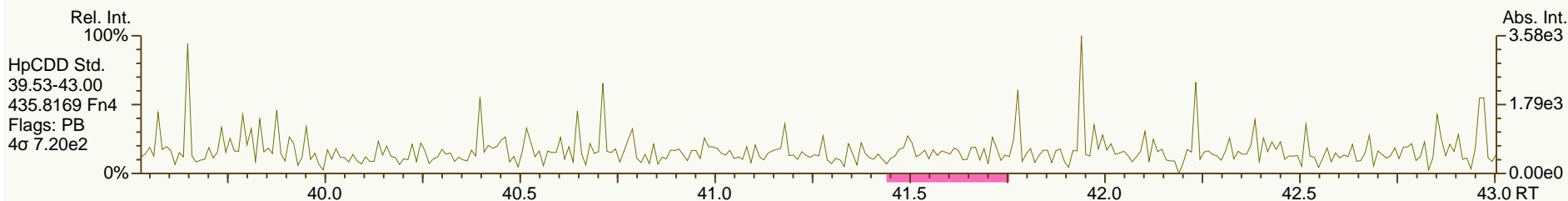
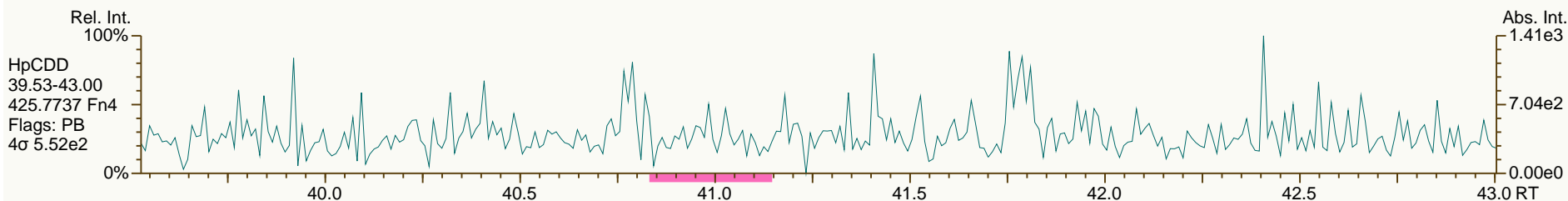
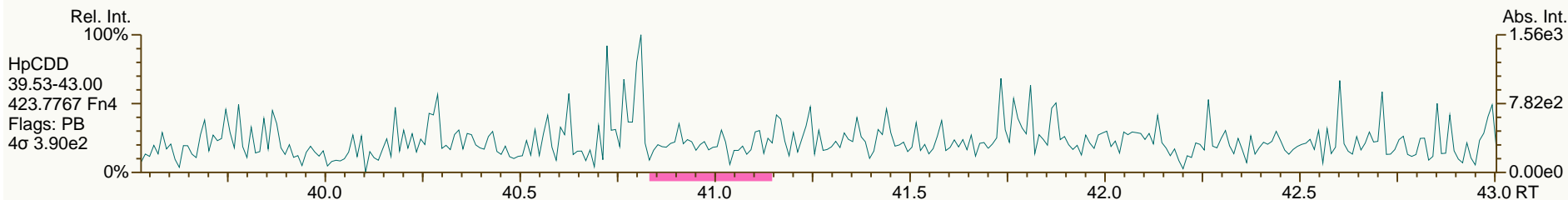
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

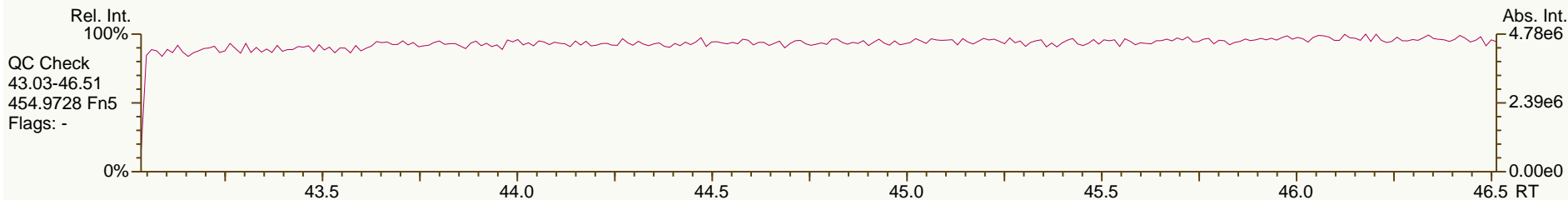
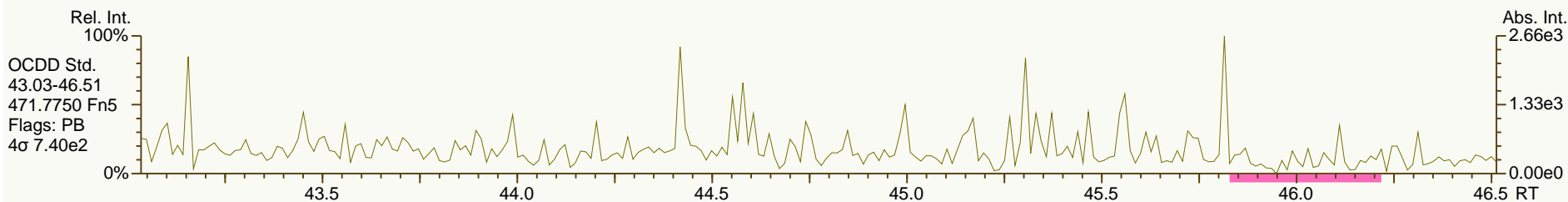
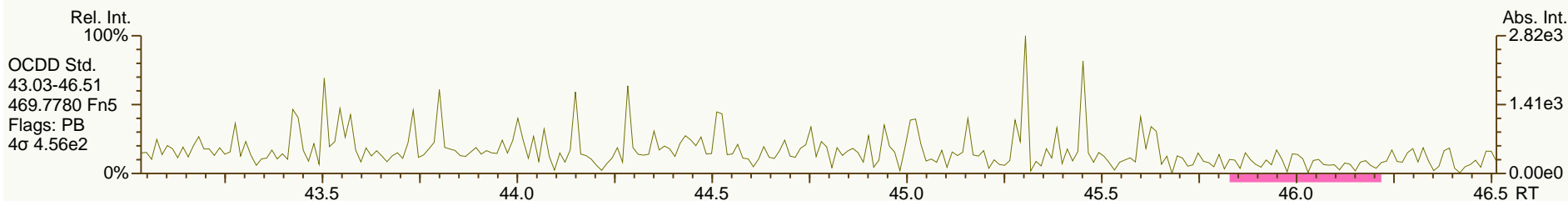
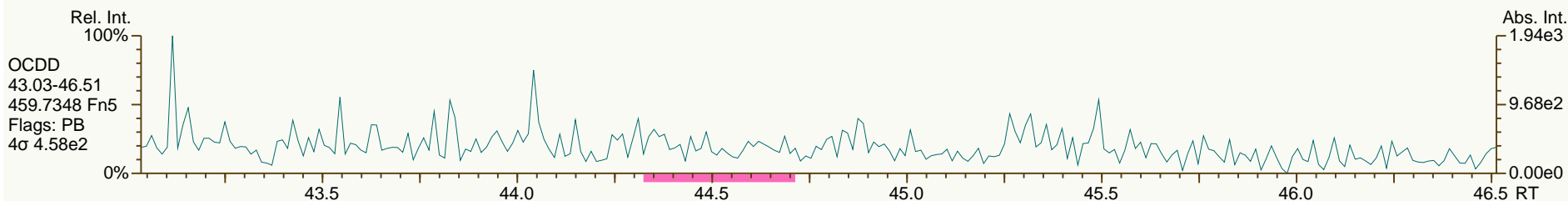
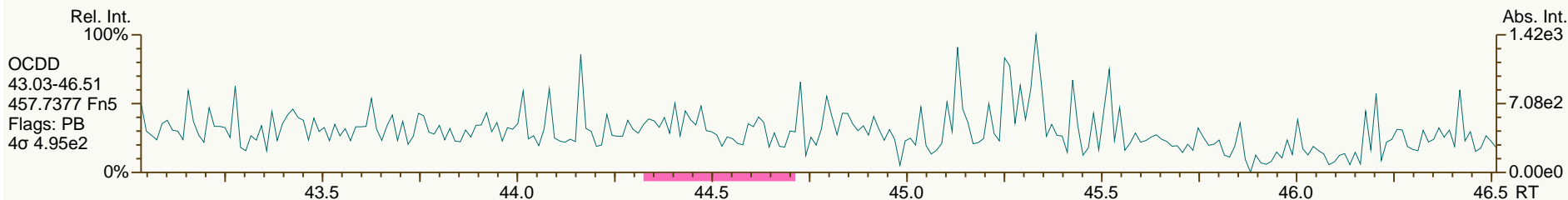
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

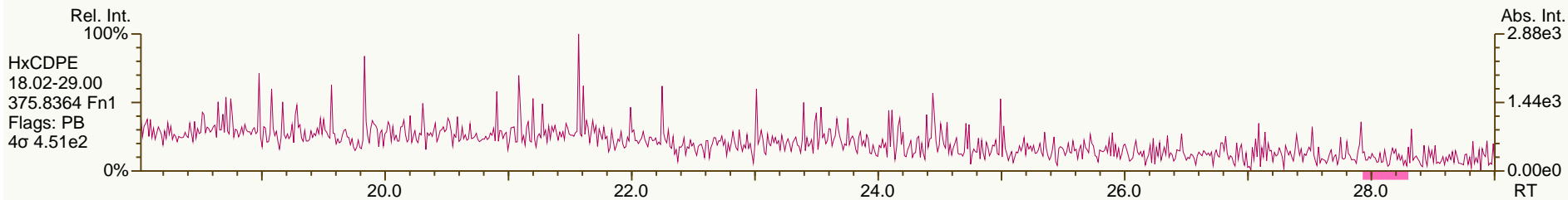
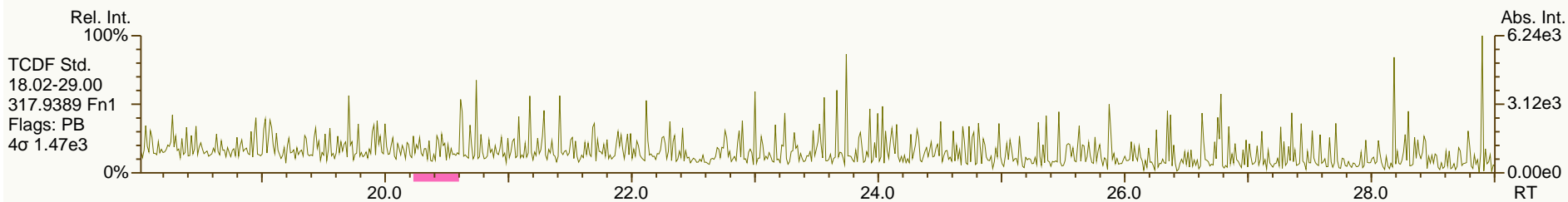
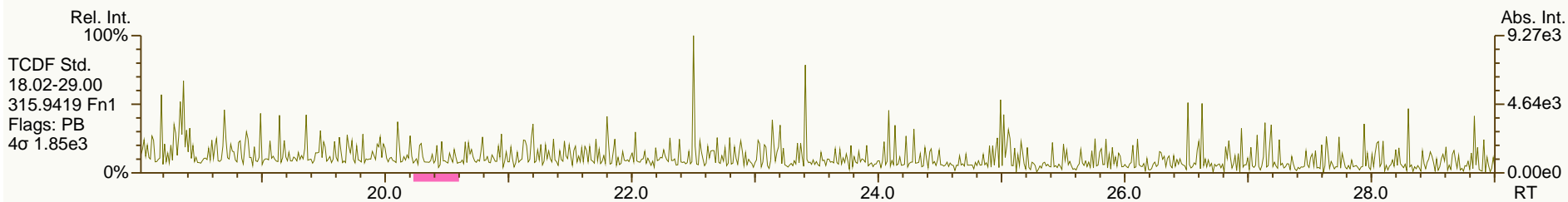
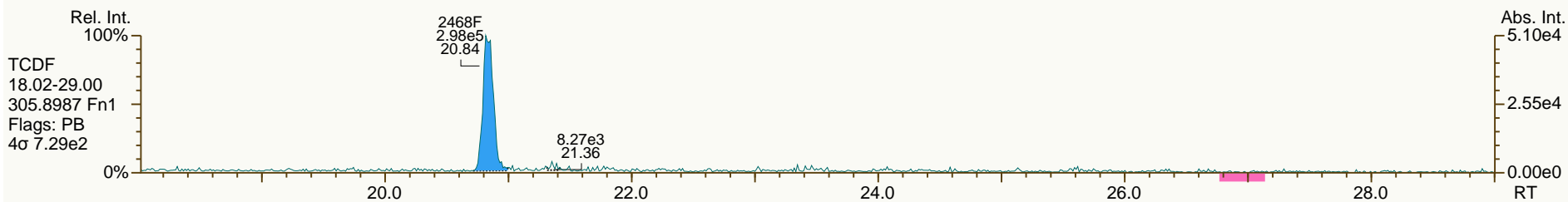
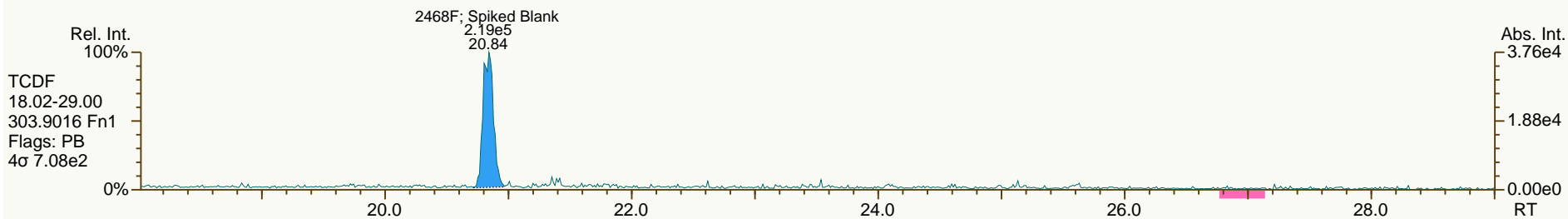
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

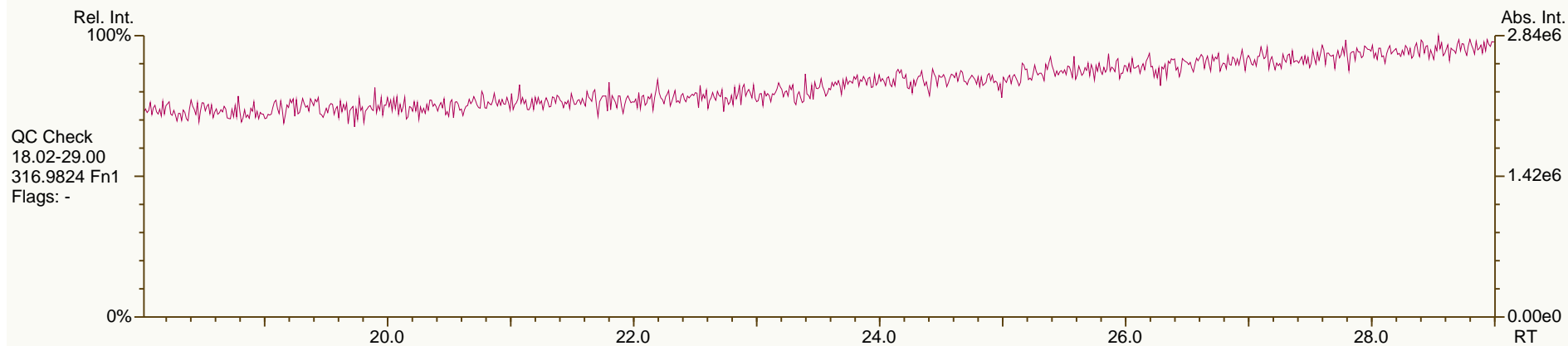
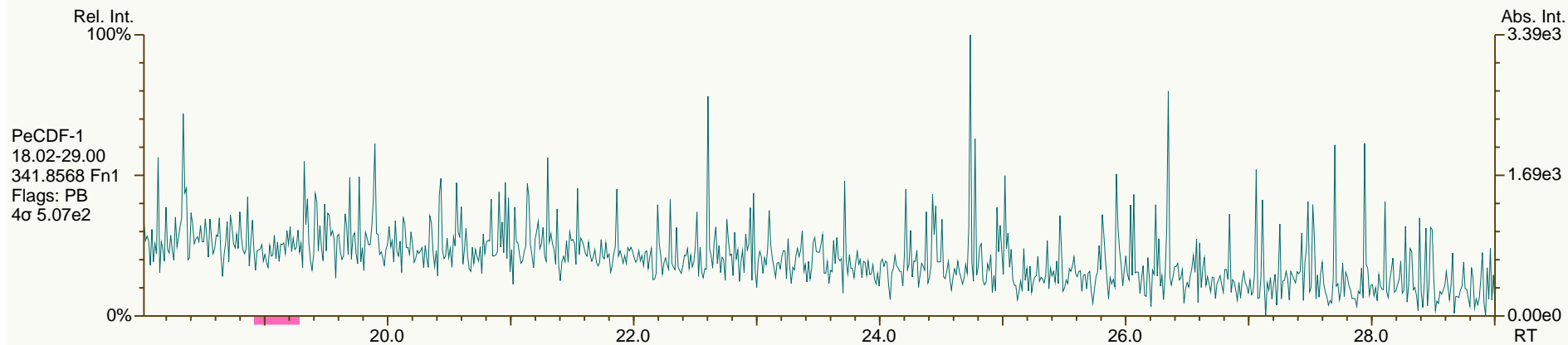
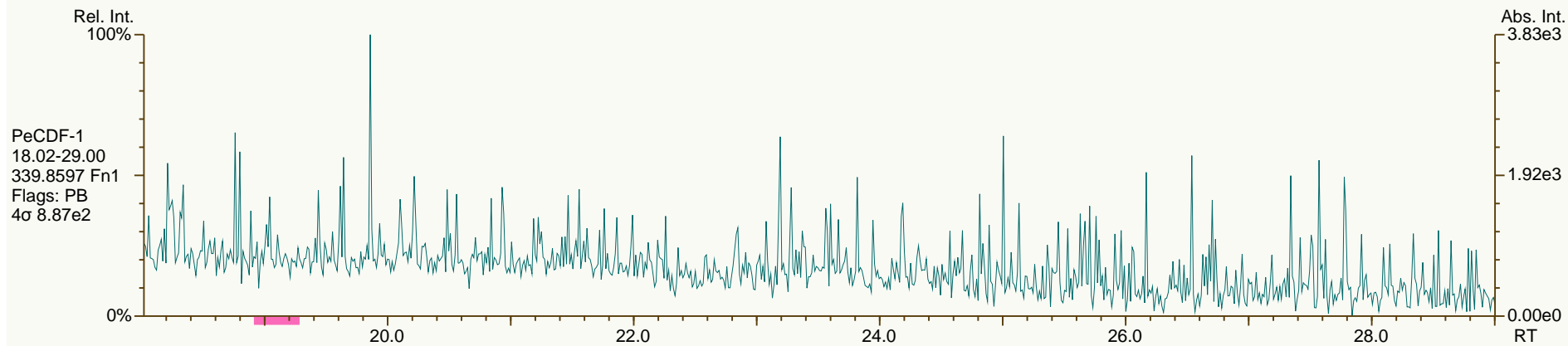
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

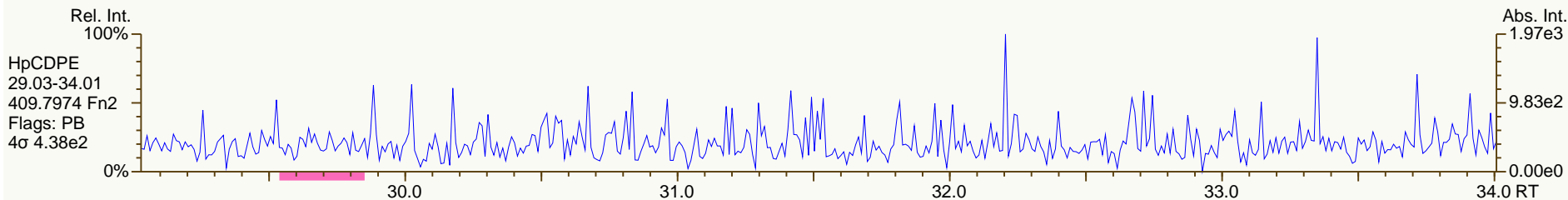
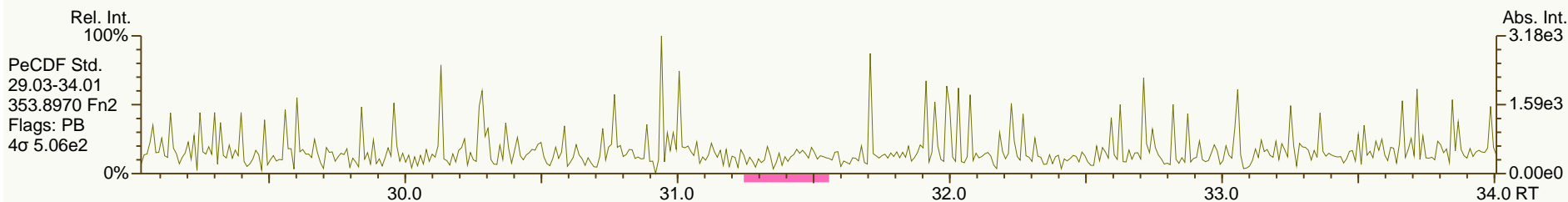
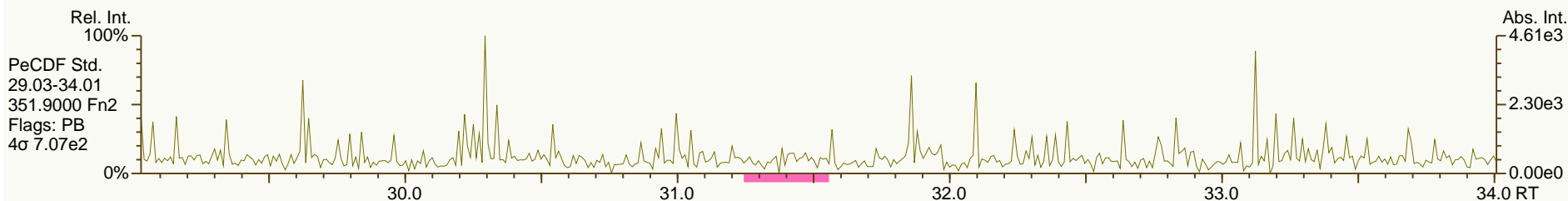
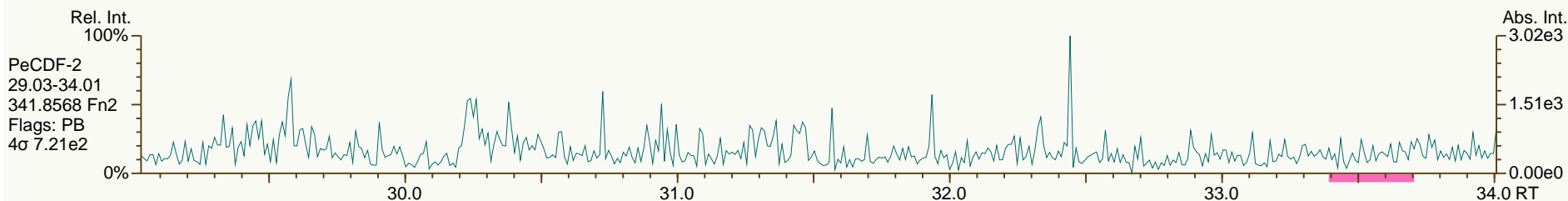
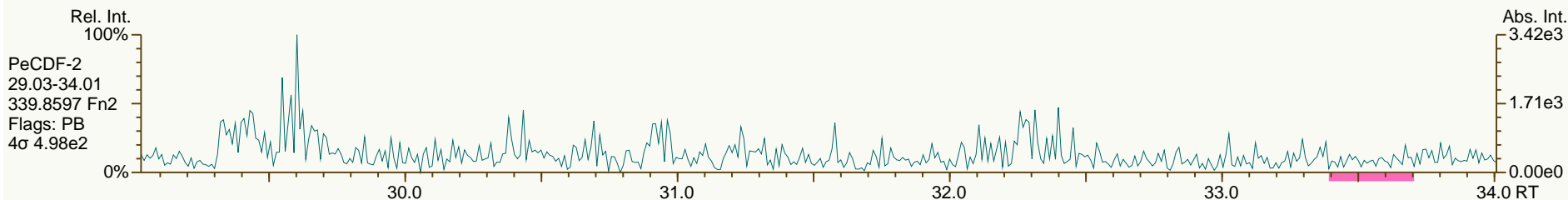
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

Acq: 13-FEB-2013 12:51:22
User: MDC Datafile: 130213P2-01



SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

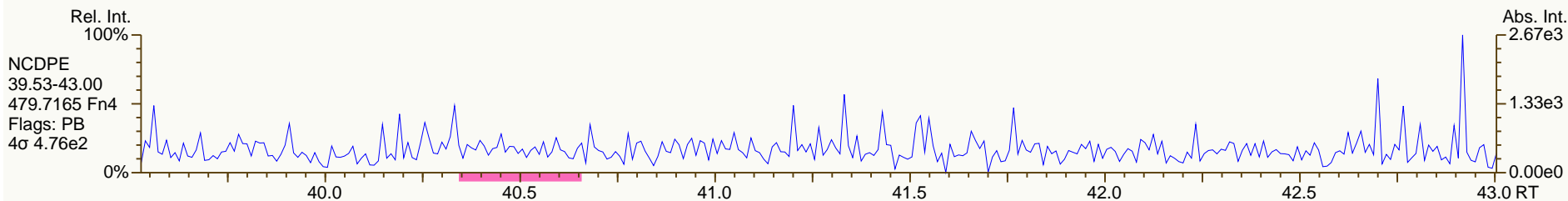
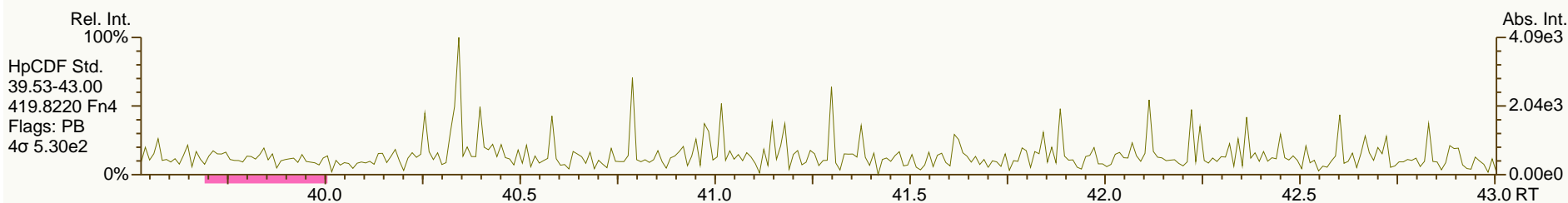
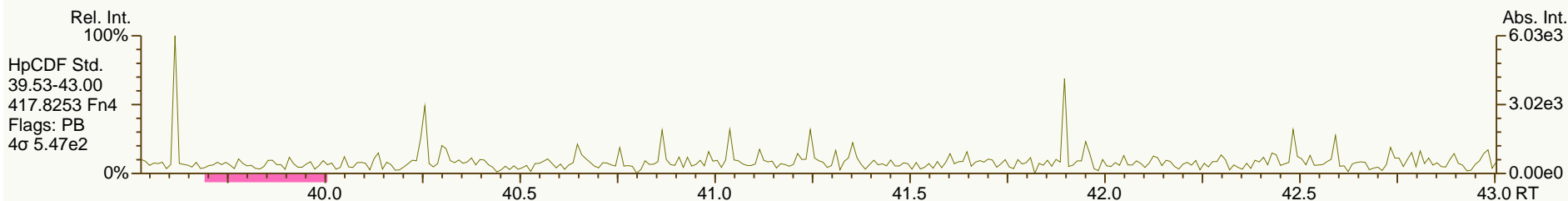
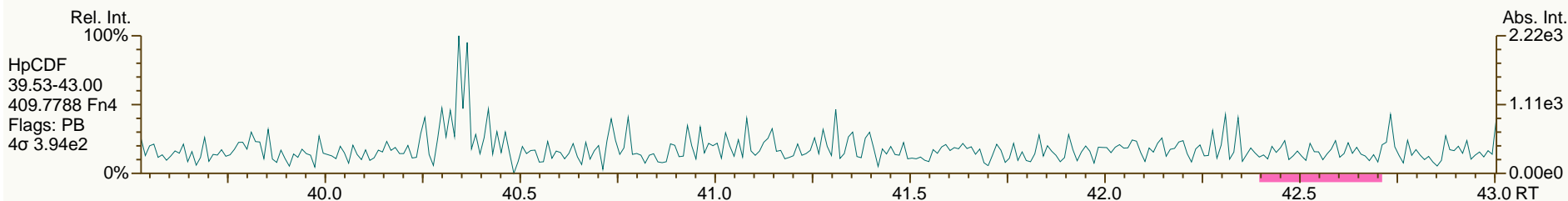
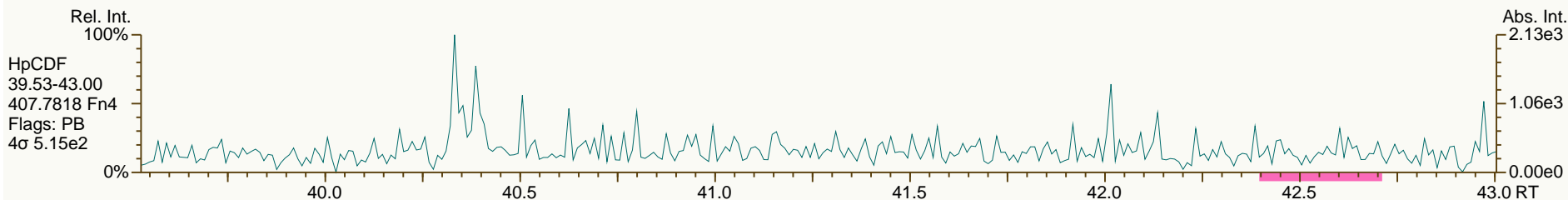
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SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

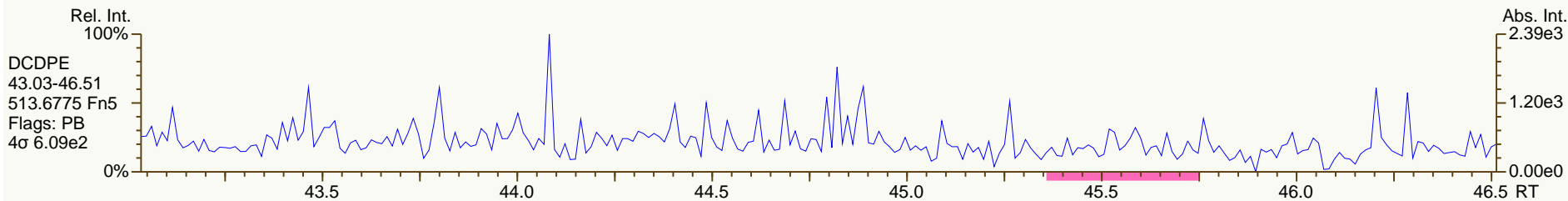
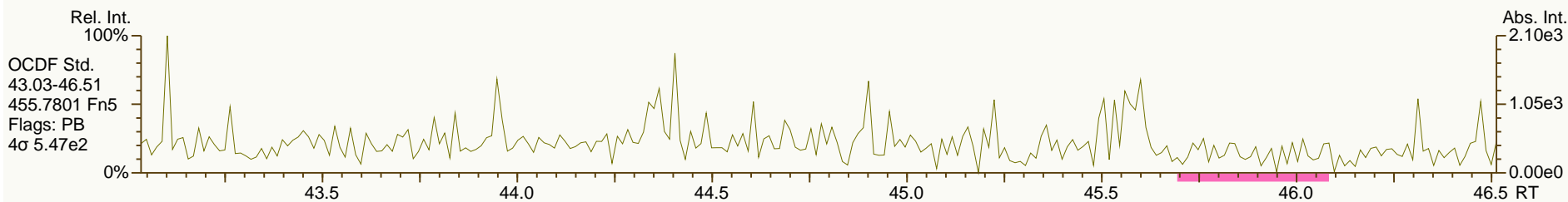
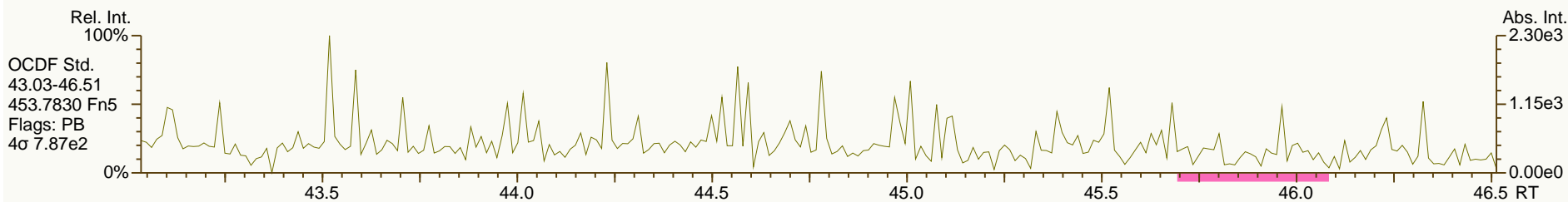
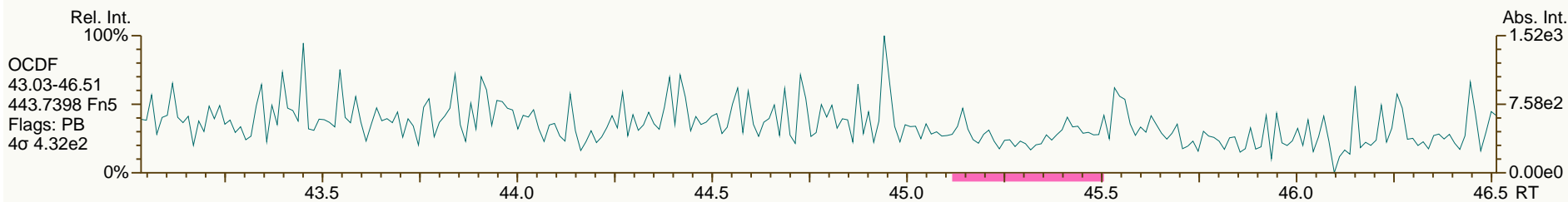
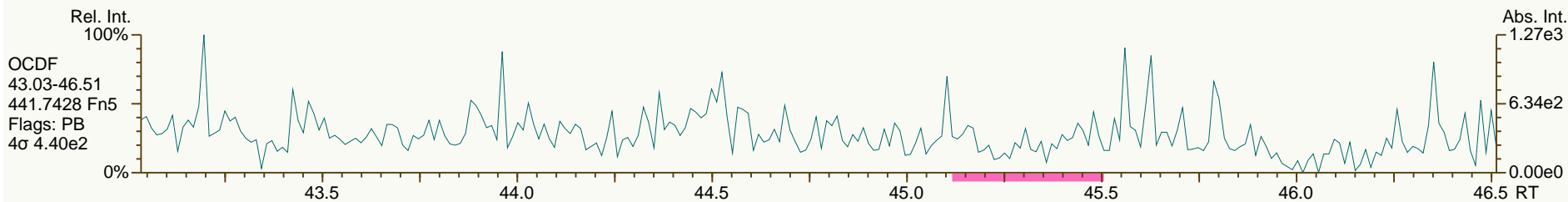
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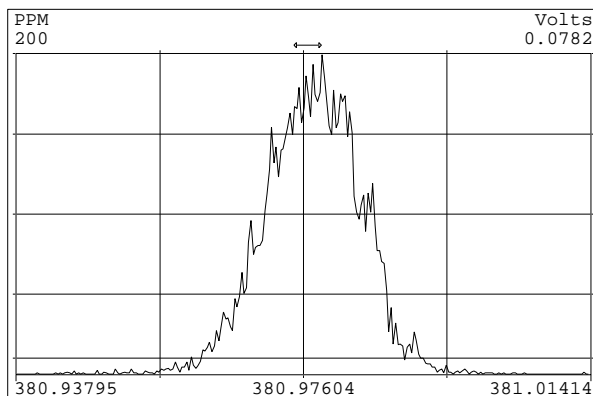
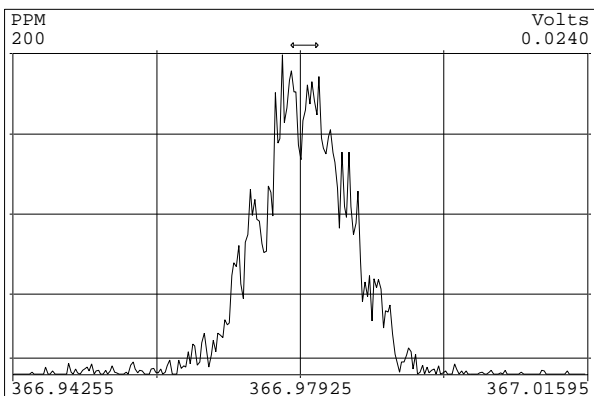
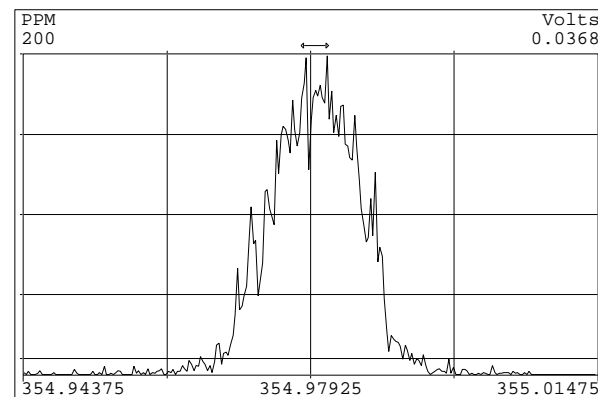
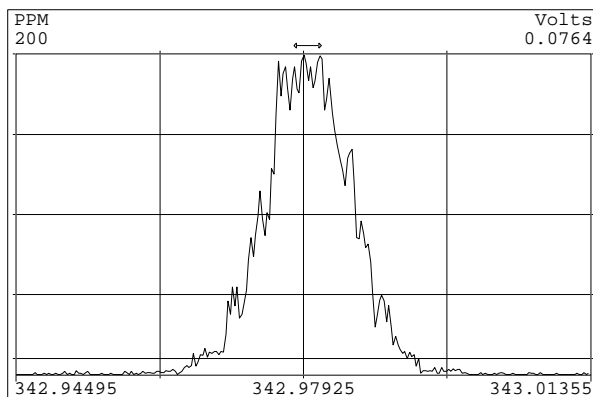
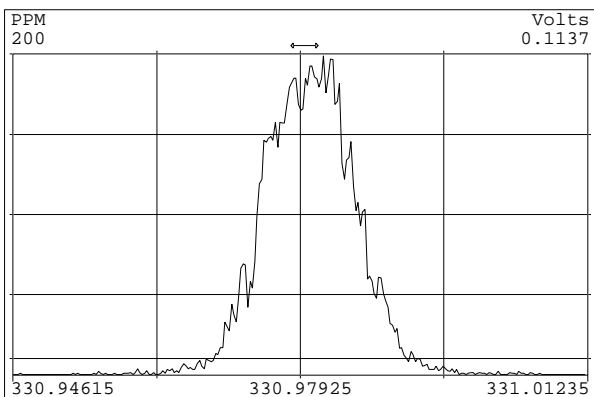
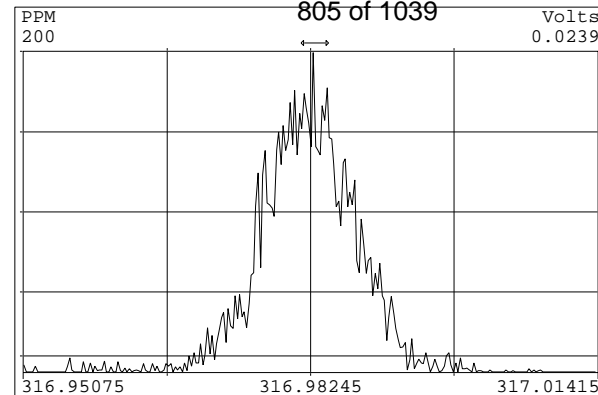
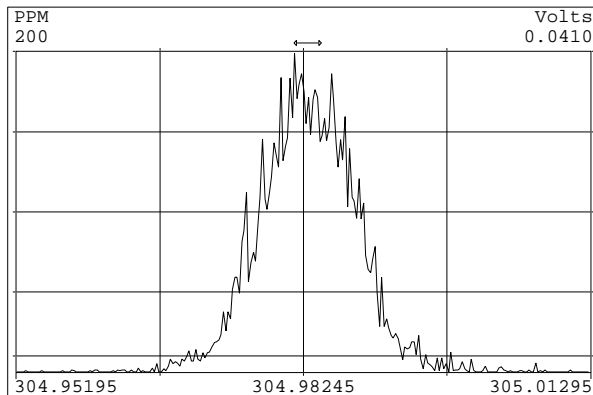
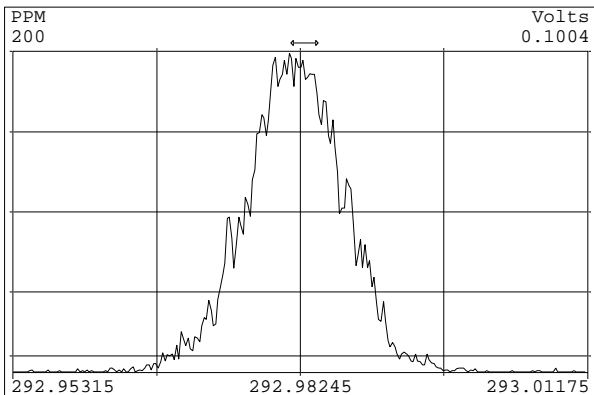


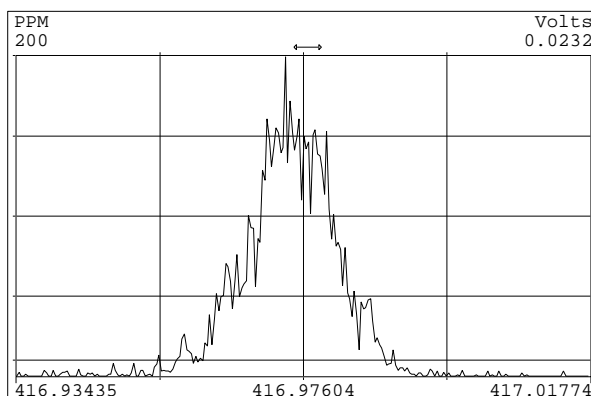
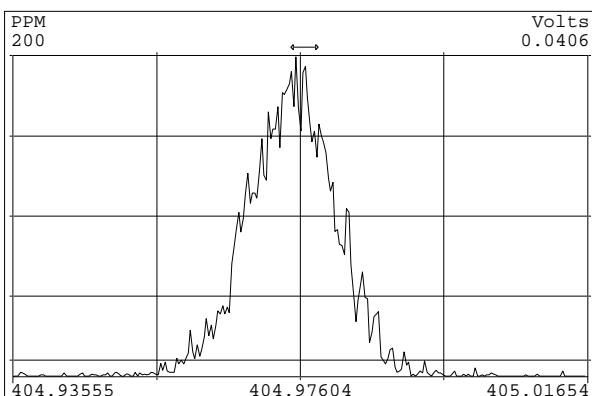
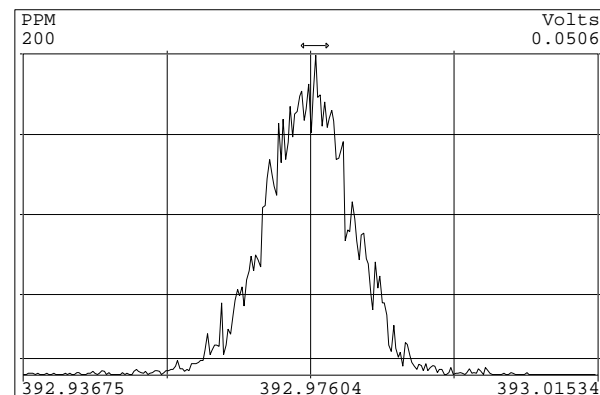
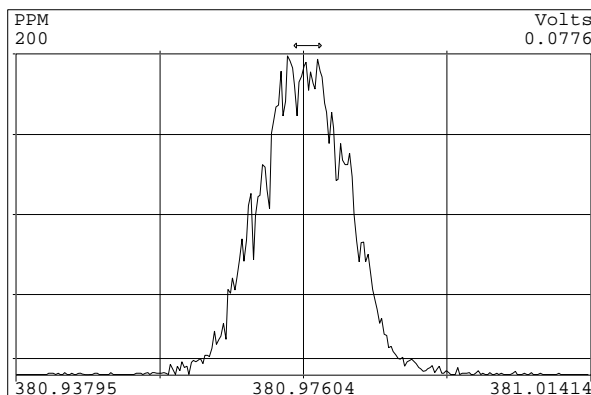
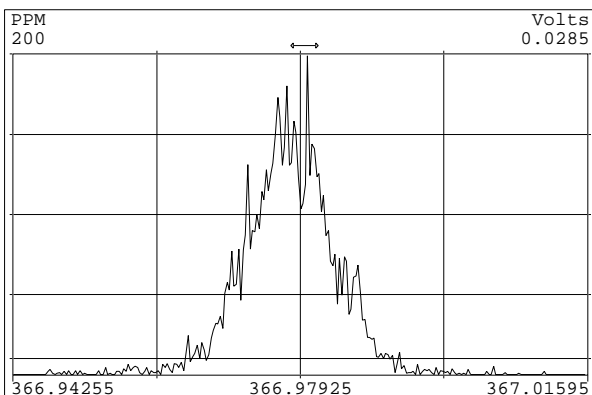
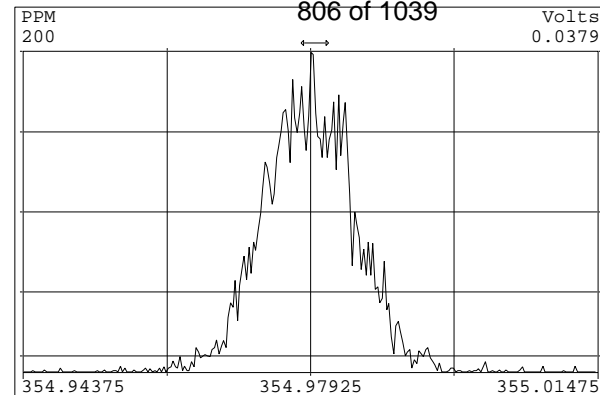
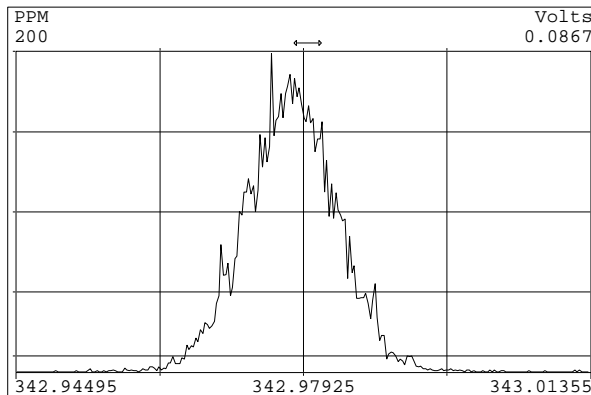
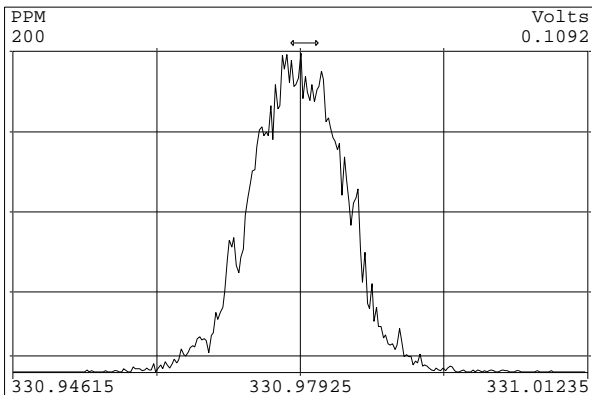
SGS-AP ID: SBS_121125_DF_PA
Instr: AutoSpec-Ultima MM1

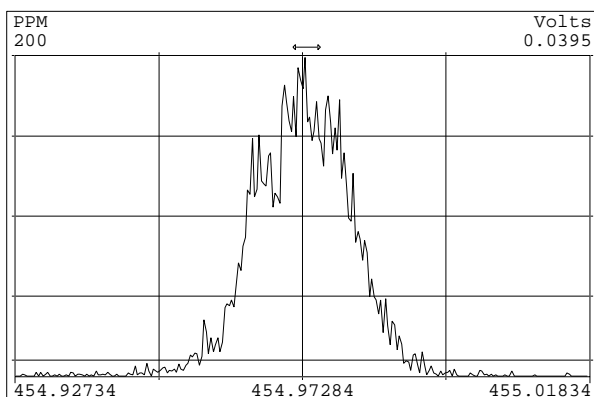
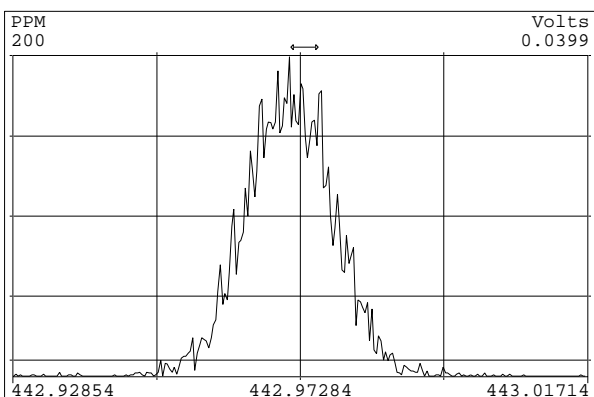
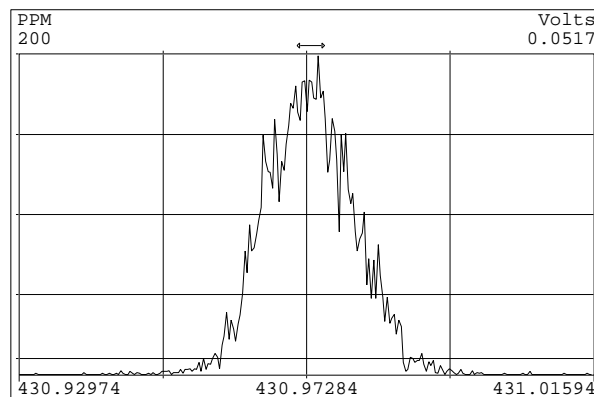
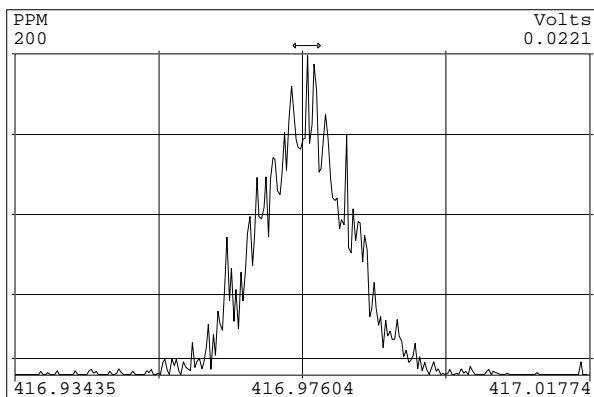
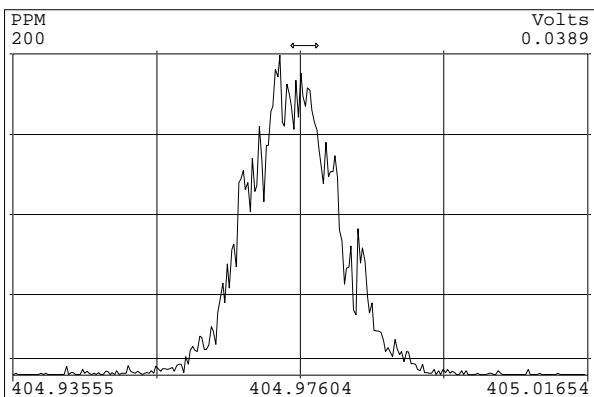
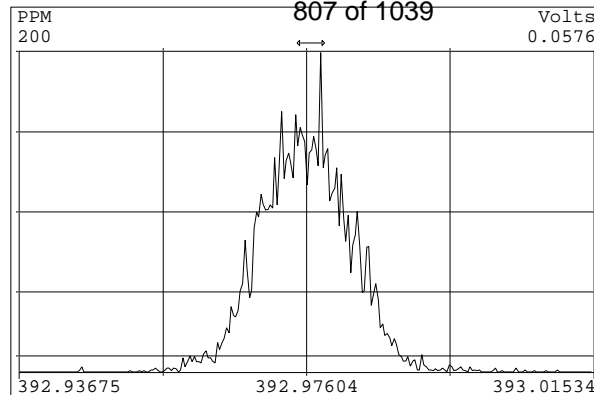
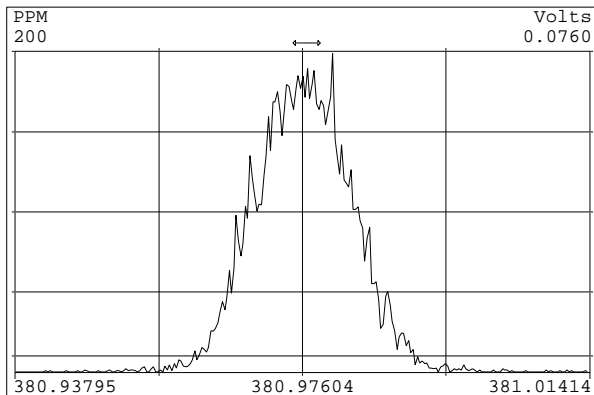
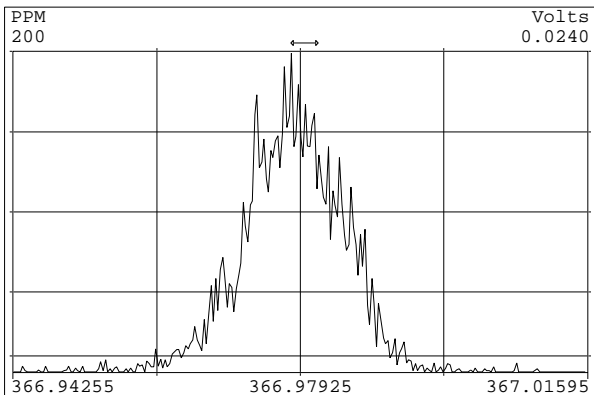
Sample ID: solvent blank
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 15

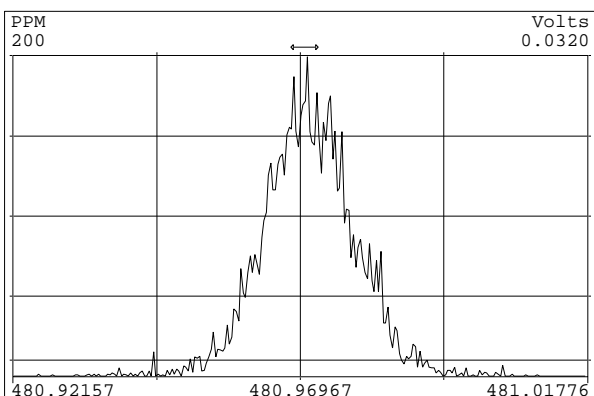
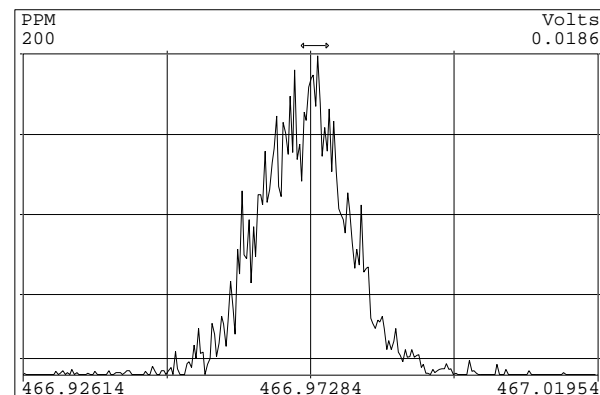
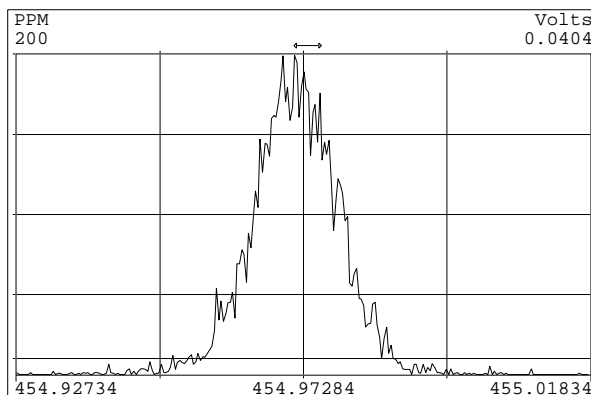
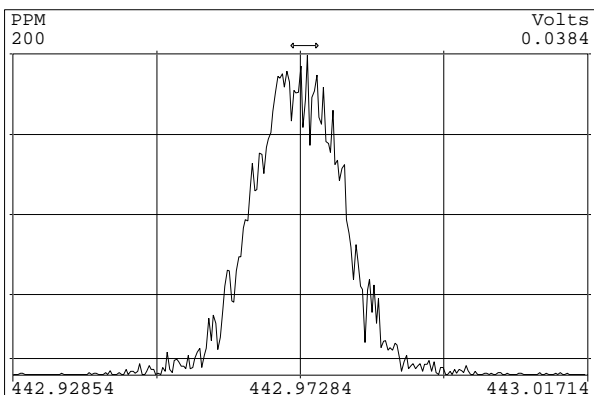
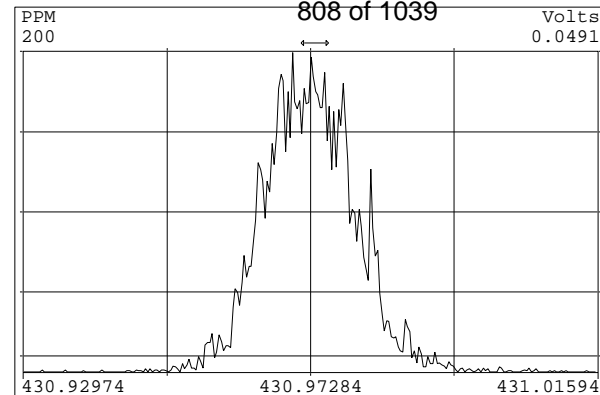
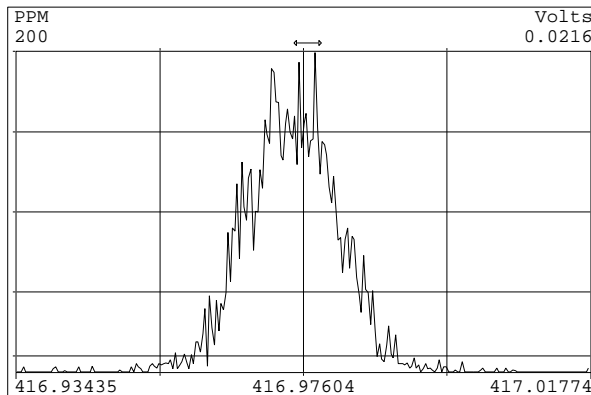
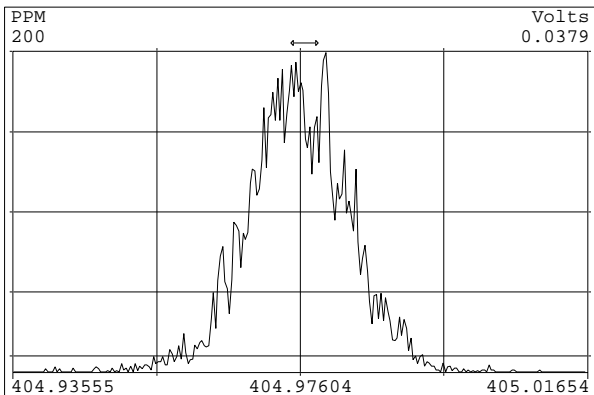
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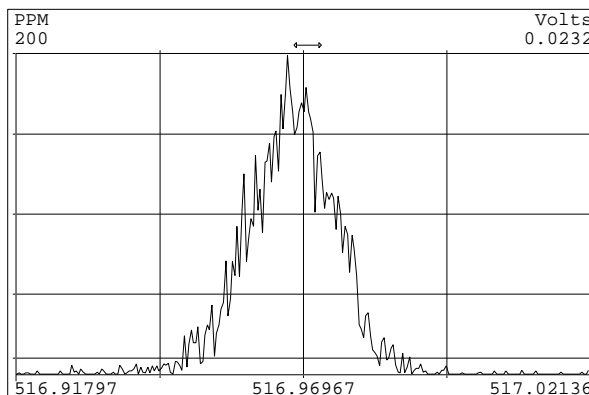
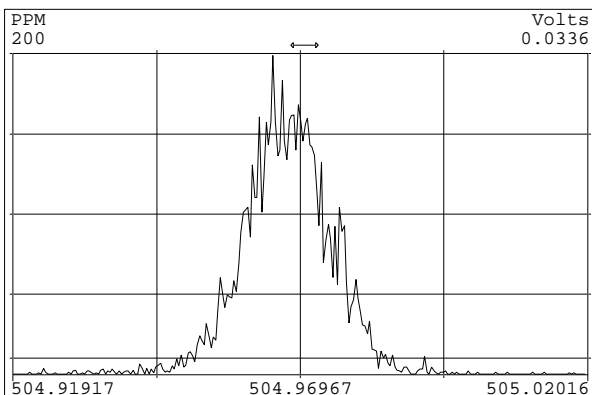
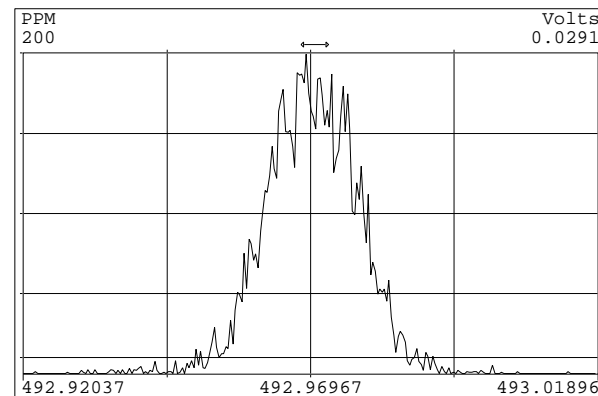
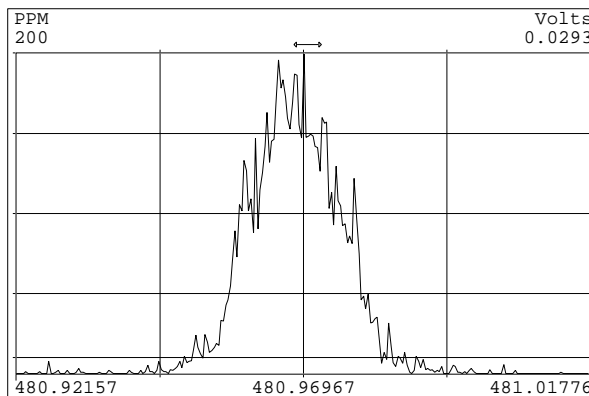
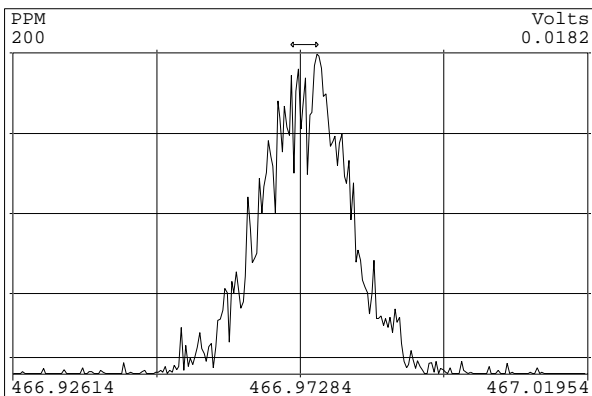
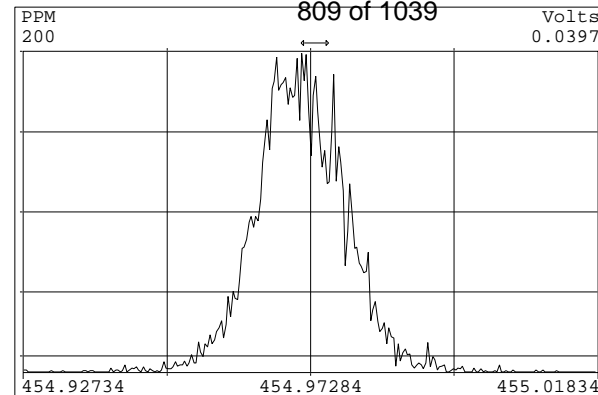
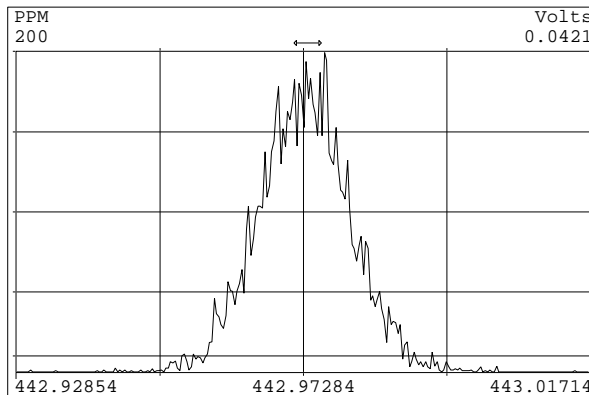
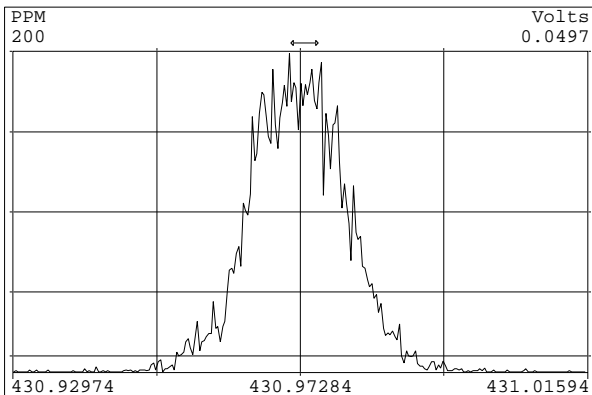


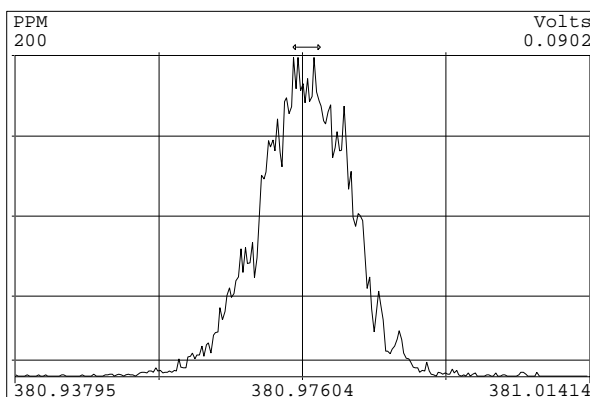
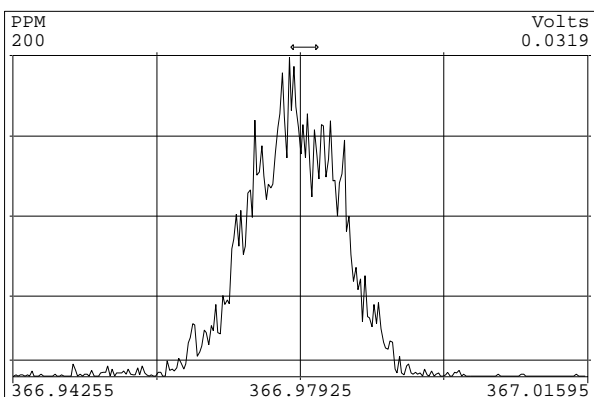
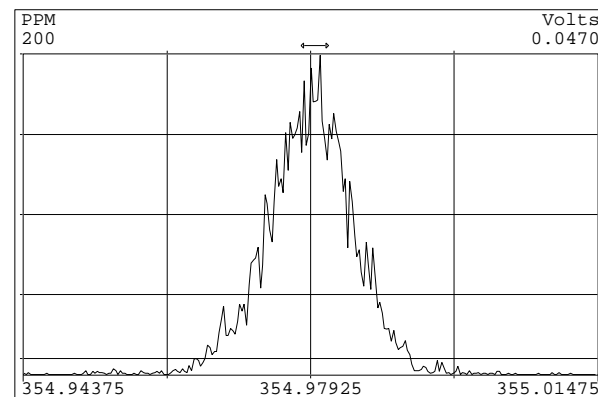
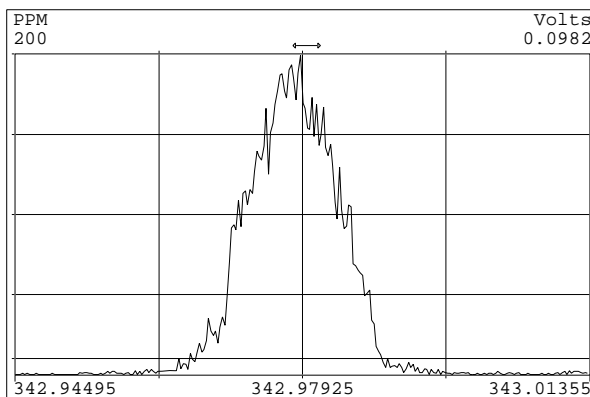
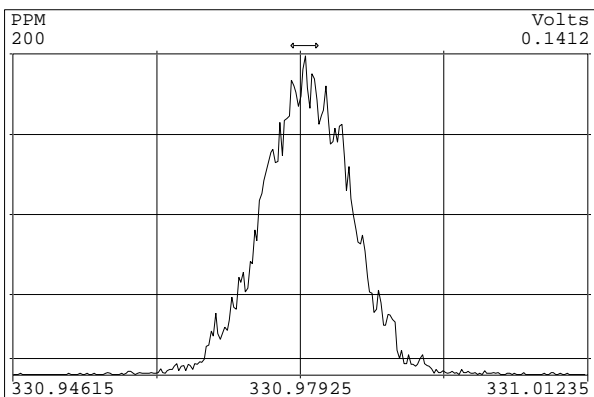
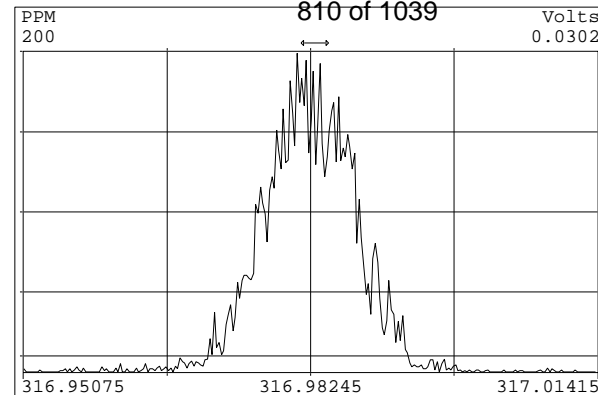
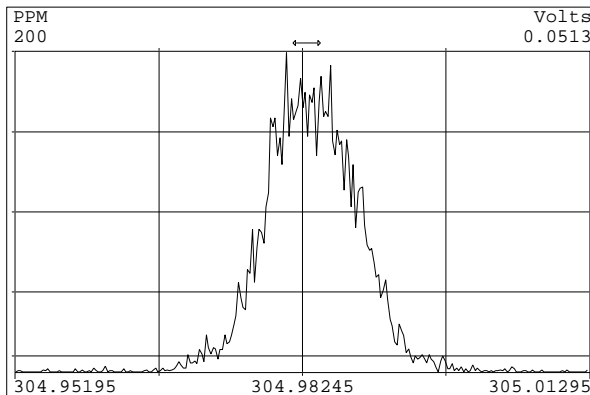
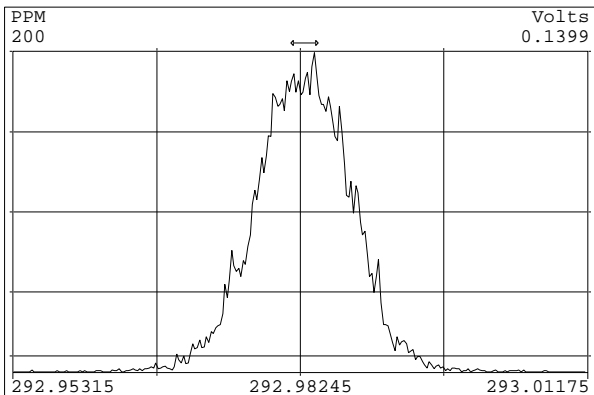


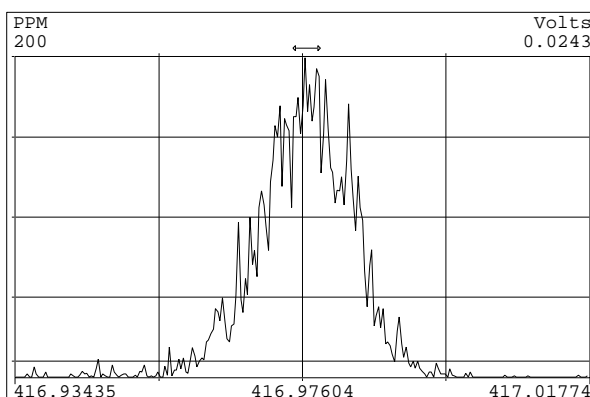
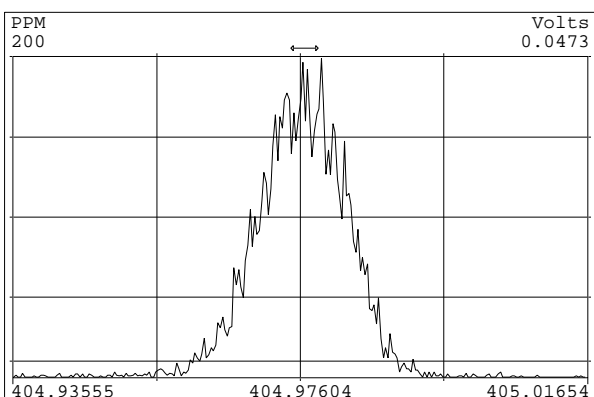
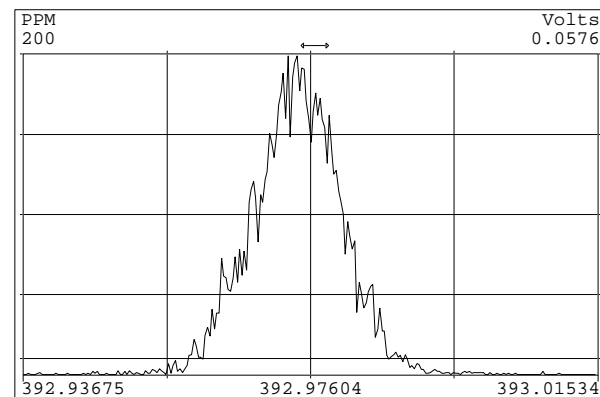
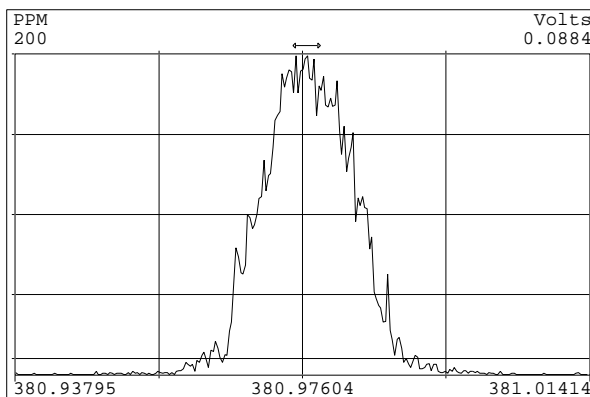
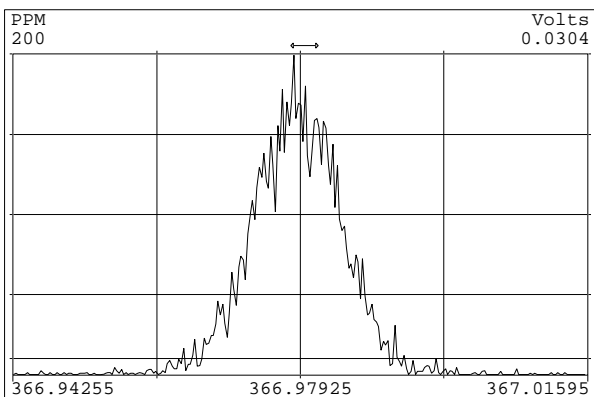
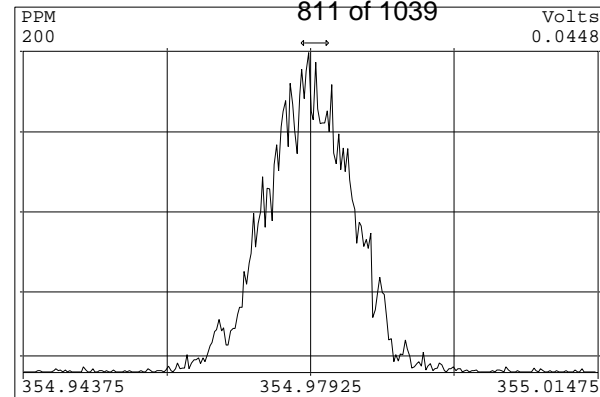
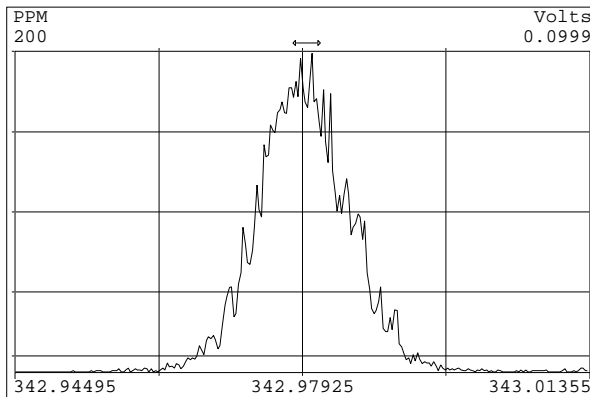
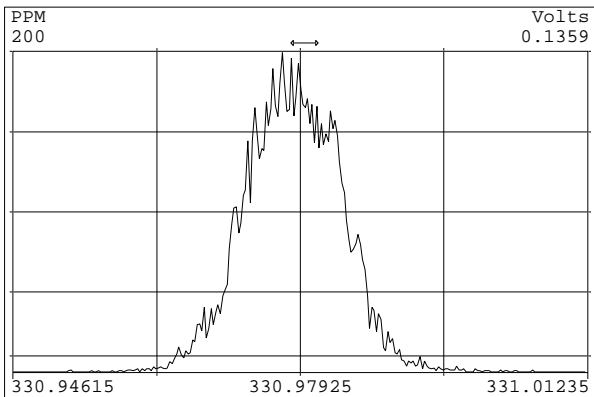


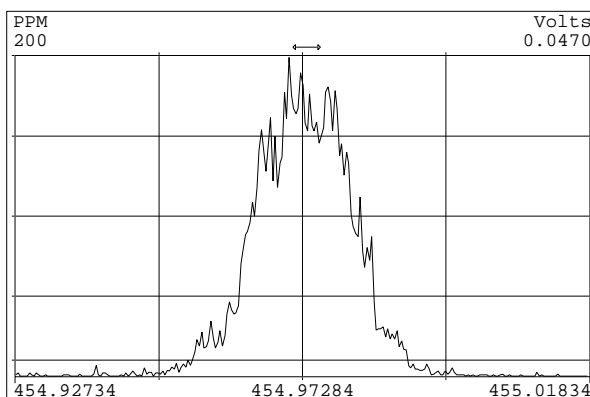
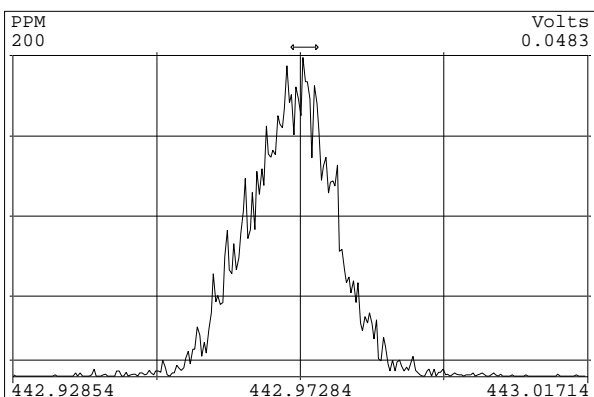
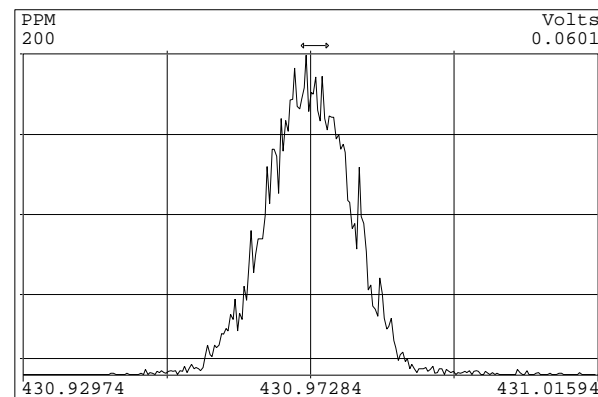
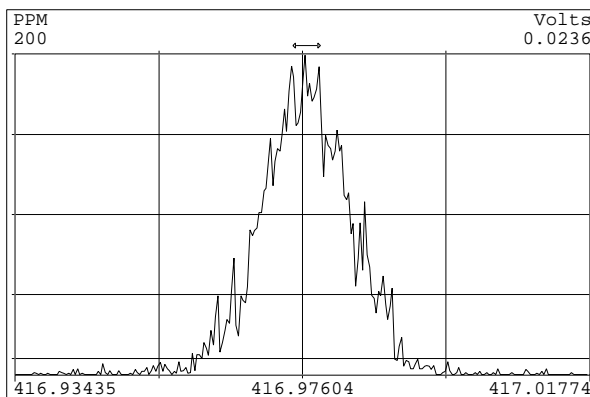
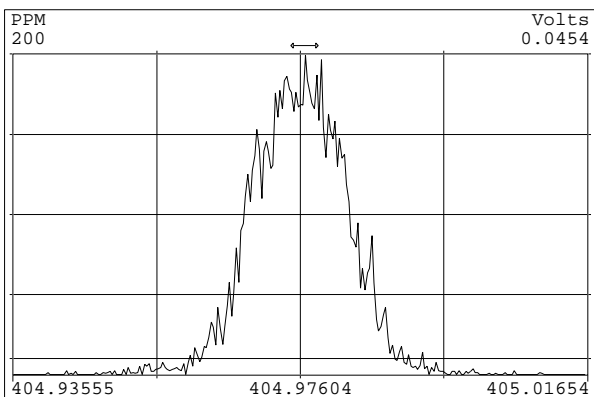
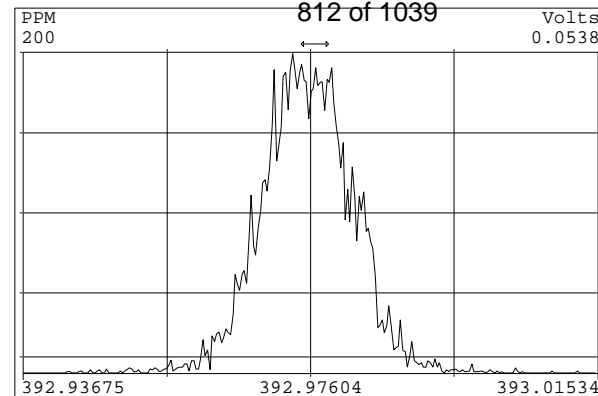
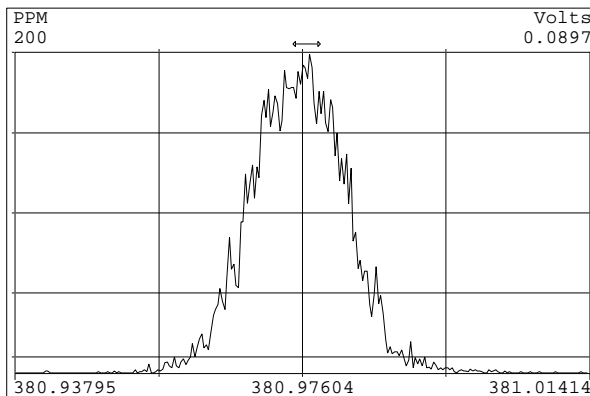
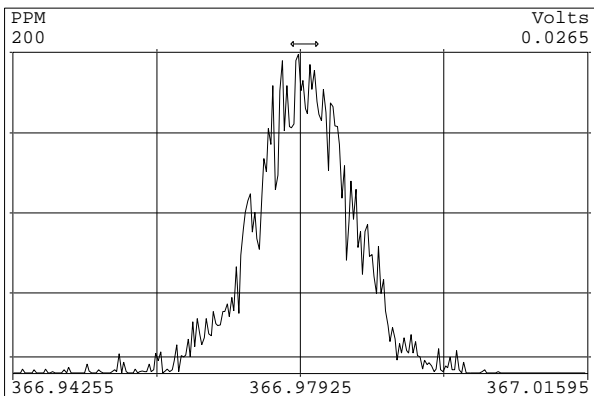


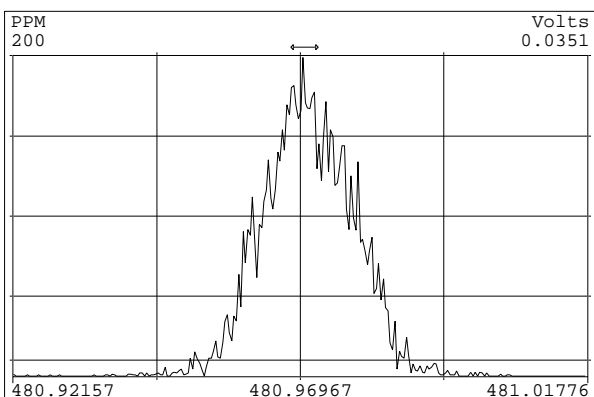
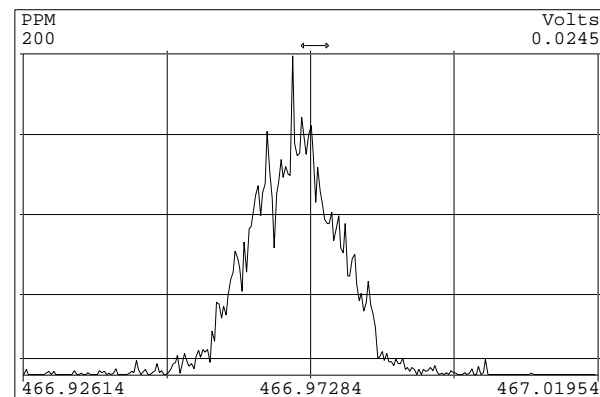
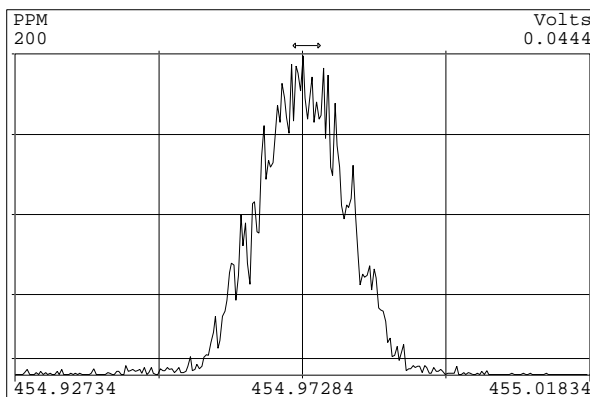
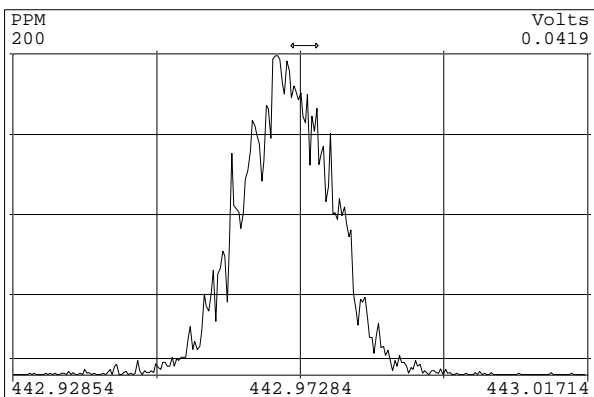
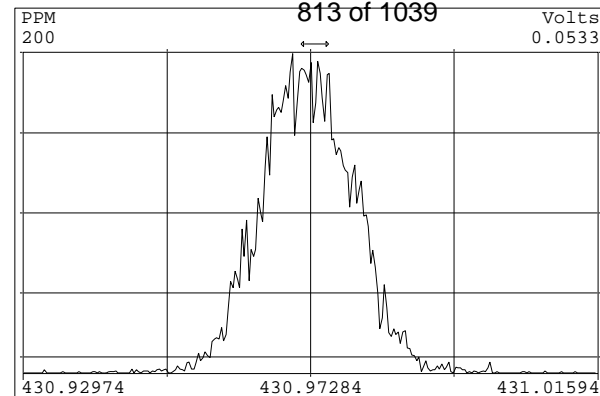
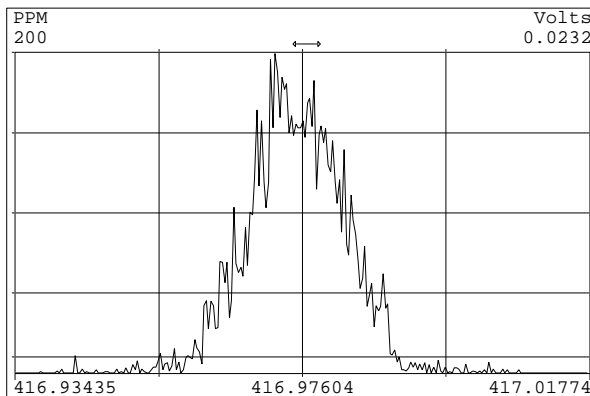
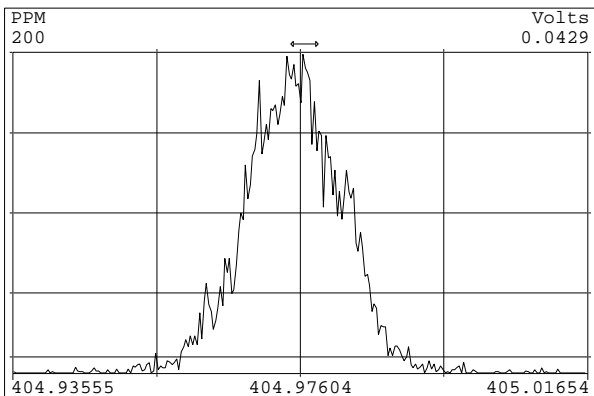


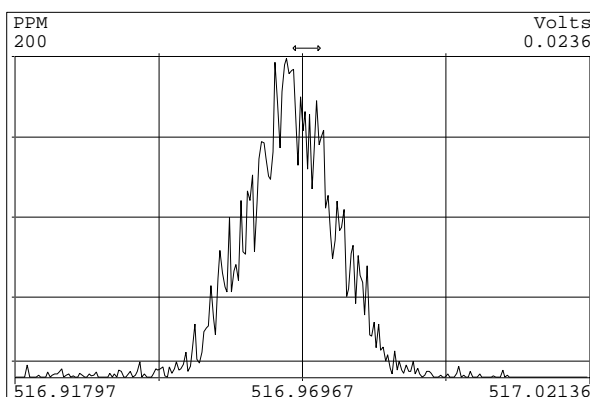
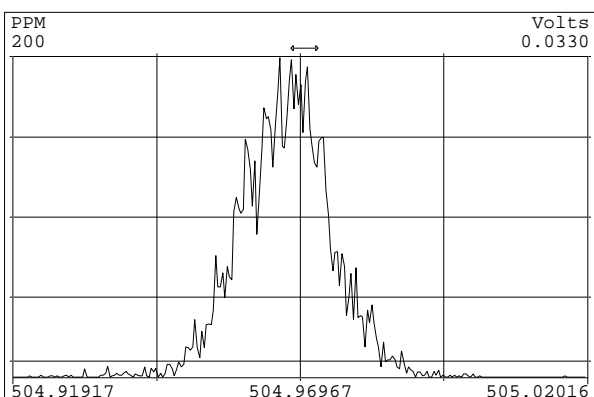
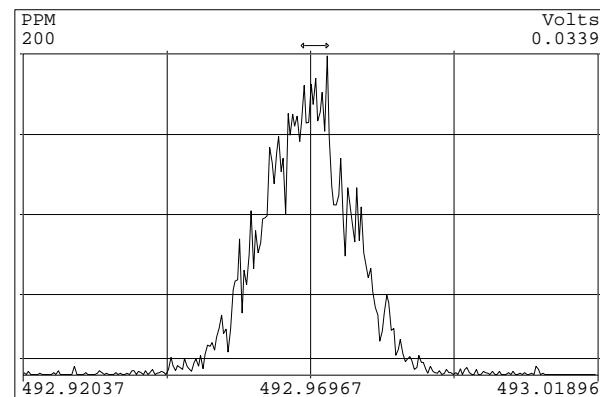
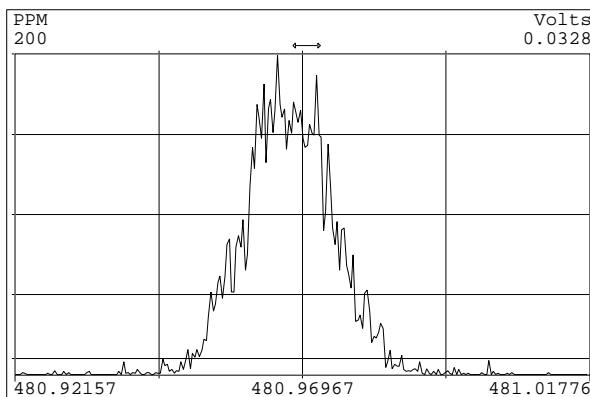
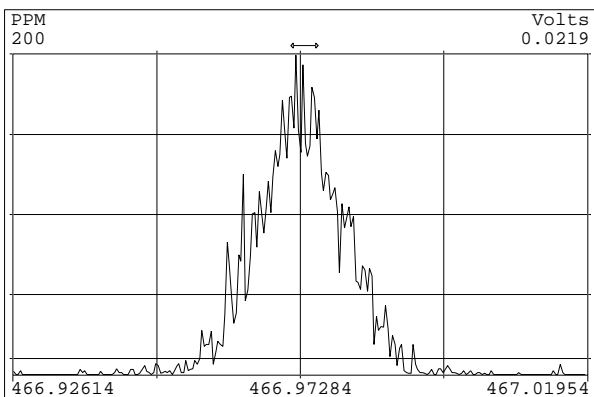
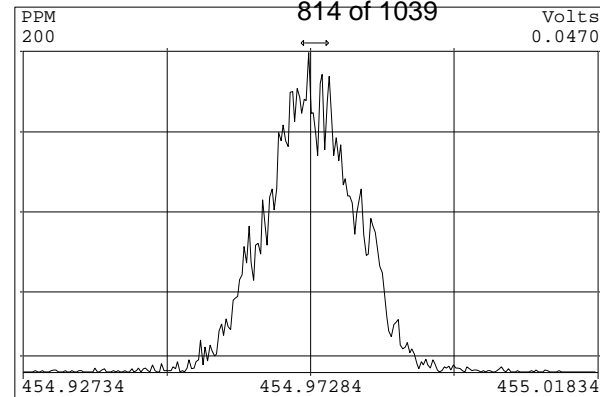
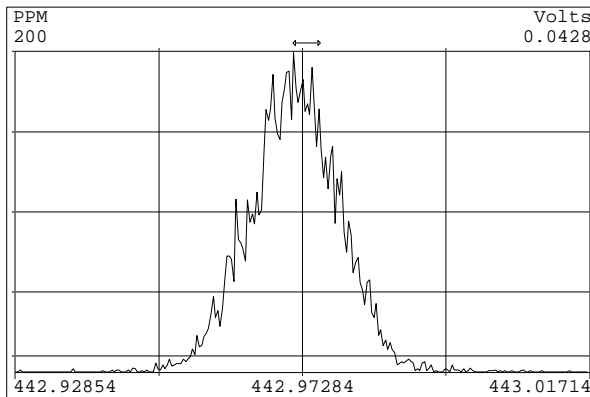
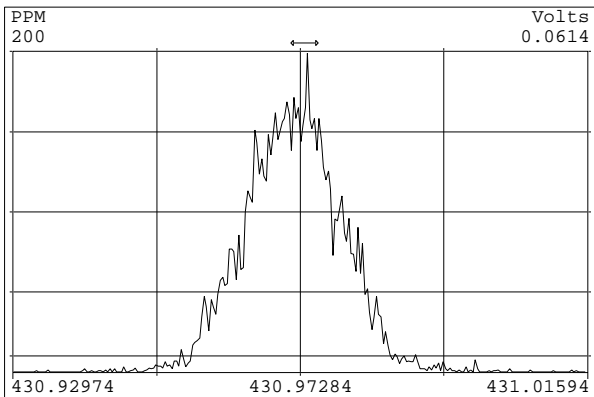












SGS Analytical Perspectives — Run Log

Project: 14 dec 12 ical

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	121214V02	10	CS0_121214_PCB_VA	1.00	SIL 12-65-6	CEM	877-492	14-Dec-2012	02:28:37
2	121214V03	11	CS1_121214_PCB_VA	1.00	SIL 12-65-5	CEM	461-132	14-Dec-2012	03:21:15
3	121214V04	12	CS2_121214_PCB_VA	1.00	SIL 12-65-4	CEM	403-865	14-Dec-2012	04:15:23
4	121214V05	13	CS3_121214_PCB_VA	1.00	SIL 12-65-3	CEM	858-276	14-Dec-2012	05:09:30
5	121214V06	14	CS4_121214_PCB_VA	1.00	SIL 12-65-2	CEM	777-854	14-Dec-2012	06:03:38
6	121214V07	15	CS5_121214_PCB_VA	1.00	SIL 12-65-1	CEM	067-301	14-Dec-2012	06:57:45

APPROVED*By Jeremy Kadylak at 3:51 pm, Dec 14, 2012*

PCB ICAL Summary			SGS Analytical Perspectives							Printed: 14 Dec 2012 11:13	
ICAL: MM6_PCB_07132012_14DEC12											
Acquired: 14 Dec 2012											
Date Processed: 14 Dec 2012 10:42											
Name	Mean	% RSD	121214V02 0.5 CS0	121214V03 1 CS1	121214V04 5 CS2	121214V05 50 CS3	121214V06 400 CS4	121214V07 2000 CS5			
PCB-77 33'44'-TeCB	1.25	5.4%	1.37 ✓	1.18	1.20	1.24	1.26	1.23			
PCB-81 344'5'-TeCB	1.26	5.0%	1.34	1.16 ✓	1.22	1.28	1.29	1.26			
PCB-105 233'44'-PeCB	1.06	2.1%	1.07	1.08 ✓	1.04	1.05	1.07	1.02			
PCB-114 2344'5'-PeCB	1.11	4.0%	1.06	1.18	1.07	1.14	1.10	1.12			
PCB-118 23'44'5'-PeCB	1.08	2.3%	1.11	1.05	1.05	1.09	1.11	1.07			
PCB-123 23'44'5'-PeCB	1.12	6.2%	1.15	1.20	1.04	1.19	1.09	1.05			
PCB-126 33'44'5'-PeCB	1.16	4.7%	1.26	1.15	1.13 ✓	1.12	1.16	1.11			
PCB-156/157 ...-HxCB	1.14	2.4%	1.19	1.13	1.11	1.15 ✓	1.15	1.11			
PCB-167 23'44'55'-HxCB	1.18	1.6%	1.17	1.16	1.16	1.20	1.20	1.19			
PCB-169 33'44'55'-HxCB	1.15	3.7%	1.18	1.08	1.19	1.18	1.17	1.13			
PCB-189 233'44'55'-HpCB	1.12	2.1%	1.14	1.08	1.10	1.11	1.13 ✓	1.12			
PCB-209 DeCB	1.11	7.2%	1.26	1.14	1.05	1.08	1.08	1.06 ✓			
ES PCB-1	0.97	6.3%	0.95	0.97	1.07	0.97	0.99	0.88			
ES PCB-3	0.90	4.1%	0.88	0.90	0.95	0.89	0.93	0.85			
ES PCB-4	0.70	3.5%	0.70	0.69 ✓	0.74	0.70	0.71	0.66			
ES PCB-15	1.02	8.3%	0.99	0.95	0.91	1.00	1.09	1.14			
ES PCB-19	0.53	4.3%	0.54	0.52	0.52	0.49	0.55	0.54			
ES PCB-37	1.29	1.0%	1.31	1.28	1.30	1.30	1.30	1.28			
ES PCB-54	1.43	2.7%	1.41	1.43	1.45	1.43	1.48	1.36			
ES PCB-77	1.20	5.1%	1.30	1.11	1.20	1.22	1.21	1.18			
ES PCB-81	1.16	5.0%	1.22	1.06	1.15	1.14	1.20	1.20			
ES PCB-104	1.70	6.4%	1.64	1.91	1.73	1.69	1.67	1.59			
ES PCB-105	1.10	3.9%	1.10	1.10	1.16	1.13	1.07	1.04			
ES PCB-114	1.16	2.9%	1.18	1.16	1.19	1.17	1.14	1.10			
ES PCB-118	1.15	3.9%	1.19	1.17	1.20	1.17	1.11	1.09			
ES PCB-123	1.14	1.0%	1.14	1.12	1.16	1.15	1.13	1.14			
ES PCB-126	1.34	4.2%	1.34	1.33	1.44	1.34	1.28	1.30			
ES PCB-153	1.14	2.8%	1.18	1.13	1.16	1.16	1.14	1.09			
ES PCB-155	1.61	4.6%	1.71	1.66	1.58	1.65	1.59	1.49			
ES PCB-156/157	0.98	2.4%	1.01	0.94	0.99	0.97	0.98	0.97			
ES PCB-167	1.01	2.5%	1.04	0.98	1.02	1.02	1.03	0.98			
ES PCB-169	0.90	2.4%	0.93	0.86	0.90	0.89	0.91	0.91			
ES PCB-170	1.28	2.5%	1.29	1.27	1.25	1.26	1.34	1.29			
ES PCB-180	1.54	4.0%	1.51	1.50	1.48	1.51	1.62	1.62			
ES PCB-188	1.63	2.3%	1.66	1.57	1.66	1.65	1.62	1.59			
ES PCB-189	1.97	1.9%	2.00	1.98	1.92	1.93	1.96	2.02			
ES PCB-202	1.26	2.2%	1.30	1.23	1.28	1.27	1.26	1.23			
ES PCB-205	1.22	1.2%	1.21	1.22	1.21	1.21	1.22	1.25			
ES PCB-206	1.10	1.4%	1.09	1.09	1.09	1.10	1.11	1.12			

PCB ICAL Summary			SGS Analytical Perspectives						Printed: 14 Dec 2012 11:13	
ICAL: MM6_PCB_07132012_14DEC12										
Acquired: 14 Dec 2012										
Date Processed: 14 Dec 2012 10:42										
Name	Mean	% RSD	121214V02 0.5 CS0	121214V03 1 CS1	121214V04 5 CS2	121214V05 50 CS3	121214V06 400 CS4	121214V07 2000 CS5		
ES PCB-208	1.41	2.8%	1.44	1.41	1.36	1.38	1.40	1.47		
ES PCB-209	1.24	1.5%	1.25	1.23	1.25	1.21	1.25	1.27		
SS PCB-28	1.18	2.4%	1.12	1.20	1.20	1.18	1.17	1.20		
SS PCB-111	1.01	2.6%	1.03	1.03	1.02	1.00	0.99	0.97		
SS PCB-178	0.60	1.5%	0.60	0.61	0.58	0.60	0.61	0.60		
CS PCB-28	1.52	1.7%	1.47	1.53	1.55	1.53	1.52	1.53	✓	
CS PCB-111	1.15	2.7%	1.18	1.16	1.18	1.15	1.12	1.10		
CS PCB-178	0.98	2.0%	1.00	0.95	0.97	1.00	0.99	0.96		
PCB-1 2-MoCB	1.25	2.5%	1.24	1.21	1.22	1.27	1.29	1.25		
PCB-3 4-MoCB	1.27	2.9%	1.24	1.22	1.24	1.30	1.31	1.28		
PCB-4 22'-DiCB	0.90	2.7%	0.90	0.90	0.86	0.90	0.93	0.91		
PCB-15 44'-DiCB	1.10	3.4%	1.13	1.13	1.04	1.11	1.10	1.06		
PCB-19 22'6-TrCB	0.95	3.9%	0.98	0.88	0.92	0.98	0.96	0.95		
PCB-37 344'-TrCB	1.39	2.9%	1.41	1.31	1.39	1.40	1.42	1.40		
PCB-54 22'66'-TeCB	1.05	4.8%	1.01	1.00	1.02	1.08	1.11	1.10		
PCB-104 22'466'-PeCB	1.12	3.6%	1.15	1.07	1.07	1.12	1.14	1.16		
PCB-153/168 ...-HxCB	1.24	2.2%	1.29	1.20	1.23	1.23	1.22	1.24		
PCB-155 22'44'66'-HxCB	1.09	1.5%	1.11	1.09	1.09	1.10	1.09	1.06		
PCB-170 22'33'44'5'-HpCB	0.99	3.1%	1.04	0.94	0.99	0.99	0.99	1.01		
PCB-180/193 ...-HpCB	1.07	2.5%	1.06	1.12	1.05	1.08	1.07	1.04		
PCB-188 22'34'566'-HpCB	0.98	2.6%	0.98	0.97	0.95	1.00	1.02	0.99		
PCB-202 22'33'55'66'-OcCB	0.86	2.4%	0.87	0.90	0.84	0.86	0.88	0.85		
PCB-205 233'44'55'6'-OcCB	1.13	4.0%	1.16	1.11	1.05	1.15	1.18	1.15		
PCB-208 22'33'455'66'-NoCB	1.03	1.7%	1.03	1.04	1.02	1.03	1.06	1.02		
PCB-206 22'33'44'55'6'-NoCB	0.97	1.9%	1.00	0.96	0.95	0.96	0.98	0.97		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 02:28							
Datafile:	121214V02							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.12	2.54E+05	0.83 Y	1.25	1.37	10.0%		
PCB-81 344'5'-TeCB	28.65	2.34E+05	0.83 Y	1.26	1.34	6.8%		
PCB-105 233'44'-PeCB	32.07	1.33E+05	0.56 Y	1.06	1.07	1.3%		
PCB-114 2344'5'-PeCB	31.53	1.42E+05	0.64 Y	1.11	1.06	-4.6%		
PCB-118 23'44'5'-PeCB	31.08	1.49E+05	0.61 Y	1.08	1.11	2.5%		
PCB-123 23'44'5'-PeCB	30.81	1.49E+05	0.58 Y	1.12	1.15	2.9%		
PCB-126 33'44'5'-PeCB	34.65	1.91E+05	0.69 Y	1.16	1.26	9.0%		
PCB-156/157 ...-HxCB	37.19	2.69E+05	1.38 Y	1.14	1.19	4.0%		
PCB-167 23'44'55'-HxCB	36.23	1.37E+05	1.44 Y	1.18	1.17	-0.6%		
PCB-169 33'44'55'-HxCB	39.90	1.23E+05	1.33 Y	1.15	1.18	2.3%		
PCB-189 233'44'55'-HpCB	42.03	1.61E+05	1.15 Y	1.12	1.14	2.5%		
PCB-209 DeCB	47.01	1.12E+05	1.26 Y	1.11	1.26	13.6%		
ES PCB-1	9.83	5.27E+07	3.25 Y	0.97	0.95	-2.1%		
ES PCB-3	11.73	4.89E+07	3.32 Y	0.90	0.88	-1.9%		
ES PCB-4	11.94	3.88E+07	1.54 Y	0.70	0.70	-0.1%		
ES PCB-15	17.00	5.50E+07	1.64 Y	1.02	0.99	-2.2%		
ES PCB-19	14.62	3.00E+07	1.06 Y	0.53	0.54	2.8%		
ES PCB-37	22.95	3.73E+07	1.11 Y	1.29	1.31	1.3%		
ES PCB-54	17.24	4.01E+07	0.79 Y	1.43	1.41	-1.2%		
ES PCB-77	29.10	3.70E+07	0.83 Y	1.20	1.30	7.9%		
ES PCB-81	28.63	3.48E+07	0.84 Y	1.16	1.22	5.3%		
ES PCB-104	21.92	3.71E+07	1.51 Y	1.70	1.64	-3.7%		
ES PCB-105	32.04	2.48E+07	1.48 Y	1.10	1.10	-0.2%		
ES PCB-114	31.50	2.67E+07	1.56 Y	1.16	1.18	2.1%		
ES PCB-118	31.06	2.69E+07	1.49 Y	1.15	1.19	2.9%		
ES PCB-123	30.79	2.58E+07	1.50 Y	1.14	1.14	0.1%		
ES PCB-126	34.63	3.03E+07	1.65 Y	1.34	1.34	0.1%		
ES PCB-153	32.65	2.65E+07	1.27 Y	1.14	1.18	3.5%		
ES PCB-155	26.73	3.82E+07	1.30 Y	1.61	1.71	5.8%		
ES PCB-156/157	37.17	4.54E+07	1.26 Y	0.98	1.01	3.7%		
ES PCB-167	36.21	2.33E+07	1.25 Y	1.01	1.04	3.0%		
ES PCB-169	39.88	2.08E+07	1.29 Y	0.90	0.93	3.3%		
ES PCB-170	39.39	1.82E+07	1.02 Y	1.28	1.29	0.3%		
ES PCB-180	38.35	2.13E+07	1.01 Y	1.54	1.51	-2.0%		
ES PCB-188	31.52	3.72E+07	1.02 Y	1.63	1.66	2.1%		
ES PCB-189	42.01	2.82E+07	1.05 Y	1.97	2.00	1.5%		
ES PCB-202	36.02	2.91E+07	0.88 Y	1.26	1.30	2.9%		
ES PCB-205	44.17	1.72E+07	0.89 Y	1.22	1.21	-0.7%		
ES PCB-206	45.64	1.54E+07	0.75 Y	1.10	1.09	-1.0%		
ES PCB-208	41.62	2.03E+07	0.78 Y	1.41	1.44	2.0%		
ES PCB-209	46.99	1.77E+07	1.17 Y	1.24	1.25	0.8%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:15		
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.58	4.20E+07	1.10 Y	1.18	1.12	-4.5%	
SS PCB-111	29.16	2.67E+07	1.46 Y	1.01	1.03	2.7%	
SS PCB-178	34.07	2.24E+07	1.03 Y	0.60	0.60	0.1%	
CS PCB-28	19.58	4.20E+07	1.10 Y	1.52	1.47	-3.2%	
CS PCB-111	29.16	2.67E+07	1.46 Y	1.15	1.18	2.7%	
CS PCB-178	34.07	2.24E+07	1.03 Y	0.98	1.00	2.2%	
JS PCB-9	13.66	5.54E+07	1.63 Y	-	-	-	
JS PCB-52	21.12	2.85E+07	0.78 Y	-	-	-	
JS PCB-101	26.90	2.26E+07	1.48 Y	-	-	-	
JS PCB-138	33.68	2.24E+07	1.29 Y	-	-	-	
JS PCB-194	43.78	1.41E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.27E+05	3.04 Y	1.25	1.24	-0.4%	
PCB-3 4-MoCB	11.75	3.04E+05	2.71 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.96	1.74E+05	0.00 S	0.90	0.90	-0.2%	
PCB-15 44'-DiCB	17.01	3.10E+05	0.00 S	1.10	1.13	2.8%	
PCB-19 22'6'-TrCB	14.64	1.46E+05	1.05 Y	0.95	0.98	3.2%	
PCB-37 344'-TrCB	22.97	2.63E+05	1.08 Y	1.39	1.41	1.5%	
PCB-54 22'66'-TeCB	17.26	2.02E+05	0.73 Y	1.05	1.01	-4.5%	
PCB-104 22'466'-PeCB	21.94	2.13E+05	0.53 Y	1.12	1.15	2.8%	
PCB-153/168 ...-HxCB	32.69	3.41E+05	1.23 Y	1.24	1.29	4.1%	
PCB-155 22'44'66'-HxCB	26.75	2.13E+05	1.25 Y	1.09	1.11	2.1%	
PCB-170 22'33'44'5'-HpCB	39.40	9.41E+04	0.90 Y	0.99	1.04	4.2%	
PCB-180/193 ...-HpCB	38.33	2.26E+05	1.09 Y	1.07	1.06	-0.8%	
PCB-188 22'34'566'-HpCB	31.54	1.82E+05	1.02 Y	0.98	0.98	-0.6%	
PCB-202 22'33'55'66'-OcCB	36.04	1.26E+05	0.86 Y	0.86	0.87	0.5%	
PCB-205 233'44'55'6'-OcCB	44.19	9.92E+04	0.92 Y	1.13	1.16	2.0%	
PCB-208 22'33'455'66'-NoCB	41.64	1.05E+05	0.75 Y	1.03	1.03	-0.3%	
PCB-206 22'33'44'55'6'-NoCB	45.66	7.71E+04	0.81 Y	0.97	1.00	3.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.27E+05	3.04 Y	1.25	1.24	-0.4%	
PCB-2 3-MoCB	11.59	3.05E+05	3.09 Y	1.28	1.24	-2.6%	
PCB-3 4-MoCB	11.75	3.04E+05	2.71 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.96	1.74E+05	0.00 S	0.90	0.90	-0.2%	
PCB-10 26'-DiCB	12.11	2.54E+05	0.00 S	1.38	1.31	-5.1%	
PCB-9 25'-DiCB	13.68	2.63E+05	0.00 S	0.99	0.96	-3.1%	
PCB-7 24'-DiCB	13.82	3.19E+05	0.00 S	1.10	1.16	5.3%	
PCB-6 23'-DiCB	14.02	2.89E+05	0.00 S	1.04	1.05	1.0%	
PCB-5 23'-DiCB	14.28	2.82E+05	0.00 S	1.02	1.03	0.2%	
PCB-8 24'-DiCB	14.39	2.75E+05	0.00 S	1.03	1.00	-3.3%	
PCB-14 35'-DiCB	15.79	3.30E+05	0.00 S	1.20	1.20	0.0%	
PCB-11 33'-DiCB	16.49	2.89E+05	0.00 S	1.03	1.05	2.4%	
PCB-13/12 34'/34'-DiCB	16.76	5.52E+05	0.00 S	1.03	1.00	-3.0%	
PCB-15 44'-DiCB	17.01	3.10E+05	0.00 S	1.10	1.13	2.8%	
PCB-19 22'6'-TrCB	14.64	1.46E+05	1.05 Y	0.95	0.98	3.2%	
PCB-30/18 246/22'5'-TrCB	16.23	3.45E+05	1.04 Y	1.23	1.15	-6.5%	
PCB-17 22'4'-TrCB	16.59	1.49E+05	0.92 Y	1.05	0.99	-6.0%	
PCB-27 23'6'-TrCB	16.77	2.10E+05	0.94 Y	1.46	1.40	-4.2%	
PCB-24 236'-TrCB	16.89	1.59E+05	0.80 N	1.32	1.06	-19.7%	
PCB-16 22'3'-TrCB	16.97	1.14E+05	1.03 Y	0.81	0.76	-5.6%	
PCB-32 24'6'-TrCB	17.42	2.07E+05	0.95 Y	1.48	1.38	-6.7%	
PCB-34 23'5'-TrCB	18.50	2.59E+05	0.96 Y	1.46	1.39	-5.0%	
PCB-23 235'-TrCB	18.63	2.80E+05	0.98 Y	1.50	1.50	-0.1%	
PCB-26/29 23'5'/245'-TrCB	18.90	5.56E+05	1.09 Y	1.53	1.49	-2.6%	
PCB-25 23'4'-TrCB	19.08	2.50E+05	1.03 Y	1.53	1.34	-12.7%	
PCB-31 24'5'-TrCB	19.35	2.80E+05	1.06 Y	1.55	1.50	-3.3%	
PCB-28/20 244'/233'-TrCB	19.61	5.25E+05	1.11 Y	1.51	1.41	-6.6%	
PCB-21/33 234/23'4'-TrCB	19.77	5.29E+05	1.13 Y	1.55	1.42	-8.4%	
PCB-22 234'-TrCB	20.12	2.45E+05	1.08 Y	1.40	1.31	-6.0%	
PCB-36 33'5'-TrCB	21.45	2.88E+05	1.03 Y	1.52	1.55	1.8%	
PCB-39 34'5'-TrCB	21.75	2.99E+05	1.07 Y	1.58	1.60	1.1%	
PCB-38 345'-TrCB	22.24	2.82E+05	1.05 Y	1.47	1.51	2.9%	
PCB-35 33'4'-TrCB	22.62	2.59E+05	1.01 Y	1.33	1.39	4.2%	
PCB-37 344'-TrCB	22.97	2.63E+05	1.08 Y	1.39	1.41	1.5%	
PCB-54 22'66'-TeCB	17.26	2.02E+05	0.73 Y	1.05	1.01	-4.5%	
PCB-50/53 22'46'/22'56'-TeCB	19.12	2.57E+05	0.82 Y	0.88	0.74	-16.0%	
PCB-45 22'36'-TeCB	19.66	1.23E+05	0.74 Y	0.73	0.71	-3.6%	
PCB-51 22'46'-TeCB	19.74	1.49E+05	0.75 Y	0.94	0.86	-8.8%	
PCB-46 22'36'-TeCB	19.93	1.23E+05	0.77 Y	0.72	0.71	-1.5%	
PCB-52 22'55'-TeCB	21.14	1.33E+05	0.72 Y	0.82	0.76	-7.5%	
PCB-73 23'5'6'-TeCB	21.27	1.74E+05	0.77 Y	1.10	1.00	-9.0%	
PCB-43 22'35'-TeCB	21.34	1.28E+05	0.71 Y	0.70	0.73	4.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.54	3.34E+05	0.77 Y	1.01	0.96	-4.9%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.80	1.48E+05	0.68 Y	0.84	0.85	1.1%	
PCB-44/47/65 ...-TeCB	22.00	4.47E+05	0.80 Y	0.90	0.86	-5.1%	
PCB-59/62/75 ...-TeCB	22.26	5.57E+05	0.78 Y	1.15	1.07	-7.6%	
PCB-42 22'34'-TeCB	22.42	1.31E+05	0.67 Y	0.76	0.75	-1.3%	
PCB-41 22'34'-TeCB	22.73	9.18E+04	0.68 Y	0.64	0.53	-17.7%	
PCB-71/40 23'4'6/22'33'-TeCB	22.83	2.56E+05	0.77 Y	0.83	0.74	-11.6%	
PCB-64 23'4'6'-TeCB	23.02	1.98E+05	0.79 Y	1.17	1.14	-2.9%	
PCB-72 23'55'-TeCB	23.75	2.26E+05	0.85 Y	1.37	1.30	-5.3%	
PCB-68 23'45'-TeCB	23.98	2.65E+05	0.69 Y	1.52	1.52	0.5%	
PCB-57 23'3'5'-TeCB	24.34	2.29E+05	0.82 Y	1.32	1.31	-0.8%	
PCB-58 23'3'5'-TeCB	24.53	2.43E+05	0.82 Y	1.34	1.39	4.2%	
PCB-67 23'45'-TeCB	24.68	2.29E+05	0.73 Y	1.41	1.32	-6.9%	
PCB-63 23'4'5'-TeCB	24.90	2.47E+05	0.83 Y	1.46	1.42	-2.5%	
PCB-61/70/74/76 ...-TeCB	25.18	9.16E+05	0.71 Y	1.37	1.31	-3.7%	
PCB-66 23'44'-TeCB	25.45	2.11E+05	0.78 Y	1.24	1.21	-2.4%	
PCB-55 23'3'4'-TeCB	25.58	2.21E+05	0.73 Y	1.28	1.27	-0.4%	
PCB-56 23'3'4'-TeCB	26.01	2.15E+05	0.86 Y	1.23	1.23	0.3%	
PCB-60 23'44'-TeCB	26.19	2.32E+05	0.80 Y	1.30	1.33	2.6%	
PCB-80 33'55'-TeCB	26.55	2.31E+05	0.73 Y	1.44	1.33	-7.4%	
PCB-79 33'45'-TeCB	27.82	2.54E+05	0.83 Y	1.48	1.46	-1.2%	
PCB-78 33'45'-TeCB	28.29	2.19E+05	0.78 Y	1.21	1.26	4.2%	
PCB-104 22'466'-PeCB	21.94	2.13E+05	0.53 Y	1.12	1.15	2.8%	
PCB-96 22'366'-PeCB	22.24	1.80E+05	0.64 Y	0.96	0.97	0.3%	
PCB-103 22'45'6'-PeCB	23.90	1.26E+05	0.61 Y	0.93	0.98	4.6%	
PCB-94 22'356'-PeCB	24.07	9.40E+04	0.66 Y	0.81	0.73	-10.0%	
PCB-95 22'35'6'-PeCB	24.43	1.17E+05	0.69 Y	0.85	0.90	6.2%	
PCB-100/93 22'44'6/22'356'-PeCB	24.64	2.38E+05	0.61 Y	0.88	0.92	4.5%	
PCB-102 22'456'-PeCB	24.74	1.18E+05	0.64 Y	0.93	0.91	-1.9%	
PCB-98 22'34'6'-PeCB	24.81	1.36E+05	0.67 Y	0.84	1.05	25.6%	
PCB-88 22'346'-PeCB	25.09	1.07E+05	0.55 Y	0.77	0.83	6.9%	
PCB-91 22'34'6'-PeCB	25.17	1.22E+05	0.76 N	0.96	0.94	-2.0%	
PCB-84 22'33'6'-PeCB	25.35	9.82E+04	0.59 Y	0.72	0.76	5.4%	
PCB-89 22'346'-PeCB	25.75	1.03E+05	0.54 Y	0.77	0.80	3.3%	
PCB-121 23'45'6'-PeCB	26.13	1.51E+05	0.63 Y	1.15	1.17	2.0%	
PCB-92 22'355'-PeCB	26.43	9.98E+04	0.68 Y	0.79	0.77	-2.5%	
PCB-113/90/101 ...-PeCB	26.90	3.90E+05	0.65 Y	0.95	1.01	5.3%	
PCB-83 22'33'5'-PeCB	27.31	1.06E+05	0.53 Y	0.72	0.82	14.0%	
PCB-99 22'44'5'-PeCB	27.41	1.19E+05	0.69 Y	0.90	0.92	3.1%	
PCB-112 23'3'56'-PeCB	27.51	1.53E+05	0.63 Y	1.09	1.19	8.3%	
PCB-109/119/86/97/125...-PeCB	27.84	7.38E+05	0.62 Y	0.95	0.95	0.6%	
PCB-117 23'4'56'-PeCB	28.36	1.42E+05	0.57 Y	0.99	1.10	11.3%	
PCB-116/85 23'456/22'344'-PeCB	28.43	2.55E+05	0.62 Y	0.96	0.99	2.9%	
PCB-110 23'3'4'6'-PeCB	28.56	1.24E+05	0.61 Y	1.01	0.96	-4.4%	

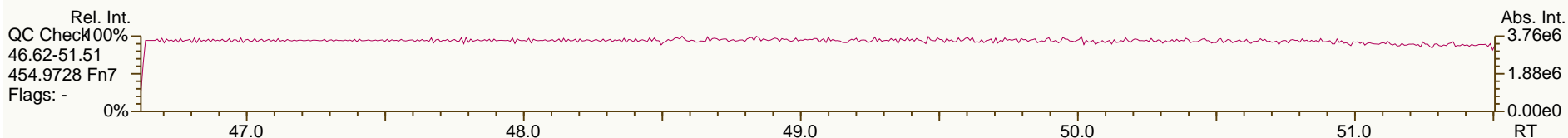
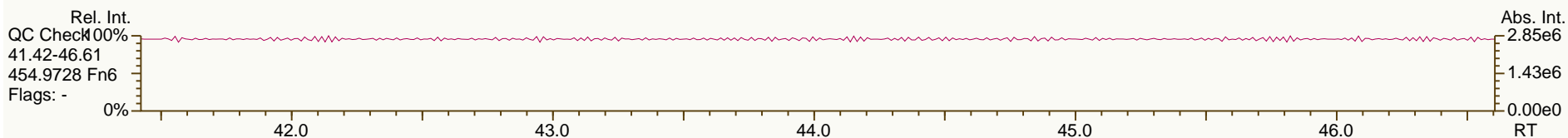
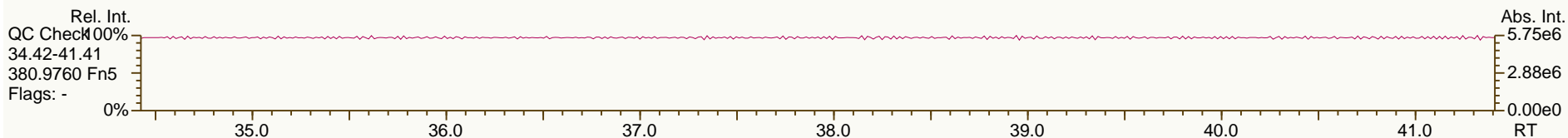
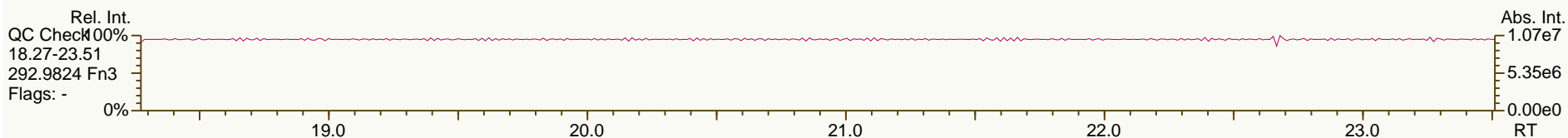
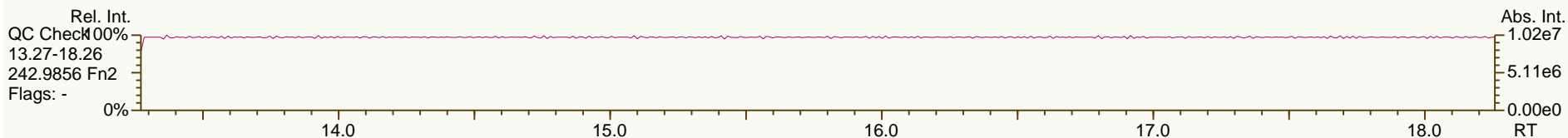
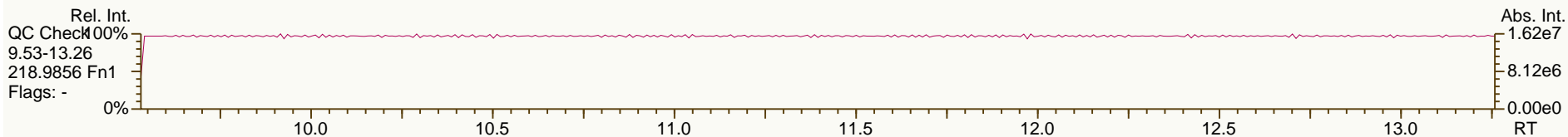
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.78E+05	0.58 Y	1.15	1.38	19.5%	
PCB-82 22'33'4'-PeCB	28.83	1.07E+05	0.75 N	0.70	0.83	19.1%	
PCB-111 233'55'-PeCB	29.18	1.59E+05	0.65 Y	1.16	1.23	5.8%	
PCB-120 23'455'-PeCB	29.57	1.49E+05	0.56 Y	1.14	1.16	1.7%	
PCB-108/124 ...-PeCB	30.51	2.67E+05	0.62 Y	1.02	1.03	1.4%	
PCB-107 233'4'5'-PeCB	30.71	1.47E+05	0.72 N	1.13	1.14	0.2%	
PCB-106 233'45'-PeCB	30.91	1.29E+05	0.70 Y	1.01	1.00	-1.1%	
PCB-122 233'4'5'-PeCB	31.37	1.15E+05	0.50 N	0.91	0.86	-5.6%	
PCB-127 33'455'-PeCB	33.31	1.33E+05	0.66 Y	1.06	1.08	1.9%	
PCB-155 22'44'66'-HxCB	26.75	2.13E+05	1.25 Y	1.09	1.11	2.1%	
PCB-152 22'3566'-HxCB	26.88	2.00E+05	1.23 Y	1.04	1.05	0.7%	
PCB-150 22'34'66'-HxCB	27.03	2.08E+05	1.35 Y	1.03	1.09	5.7%	
PCB-136 22'33'66'-HxCB	27.31	2.03E+05	1.16 Y	0.97	1.06	8.8%	
PCB-145 22'3466'-HxCB	27.58	1.97E+05	1.21 Y	0.96	1.03	7.0%	
PCB-148 22'34'56'-HxCB	28.87	1.37E+05	0.98 N	1.03	1.03	0.0%	
PCB-151/135 ...-HxCB	29.37	2.69E+05	1.17 Y	0.99	1.02	2.3%	
PCB-154 22'44'56'-HxCB	29.58	1.78E+05	1.30 Y	1.17	1.34	14.6%	
PCB-144 22'345'6'-HxCB	29.83	1.37E+05	1.18 Y	1.03	1.03	0.7%	
PCB-147/149 ...-HxCB	30.12	2.61E+05	1.17 Y	1.02	0.98	-3.4%	
PCB-134 22'33'56'-HxCB	30.29	1.10E+05	1.28 Y	0.80	0.83	4.2%	
PCB-143 22'3456'-HxCB	30.36	1.27E+05	1.13 Y	0.95	0.96	0.9%	
PCB-139/140 ...-HxCB	30.63	3.01E+05	1.36 Y	1.05	1.14	8.4%	
PCB-131 22'33'46'-HxCB	30.79	1.16E+05	0.95 N	0.90	0.88	-1.9%	
PCB-142 22'3456'-HxCB	30.92	1.32E+05	1.42 Y	0.93	0.99	7.3%	
PCB-132 22'33'46'-HxCB	31.16	1.48E+05	1.41 Y	0.93	1.12	20.5%	
PCB-133 22'33'55'-HxCB	31.61	1.30E+05	1.23 Y	0.97	0.98	1.5%	
PCB-165 233'55'6'-HxCB	31.95	1.57E+05	1.35 Y	1.16	1.19	2.3%	
PCB-146 22'34'55'-HxCB	32.15	1.40E+05	1.11 Y	1.01	1.06	5.0%	
PCB-161 233'45'6'-HxCB	32.27	1.75E+05	1.15 Y	1.29	1.32	2.2%	
PCB-153/168 ...-HxCB	32.69	3.41E+05	1.23 Y	1.24	1.29	4.1%	
PCB-141 22'3455'-HxCB	32.82	1.22E+05	1.21 Y	0.95	0.92	-3.0%	
PCB-130 22'33'45'-HxCB	33.16	1.10E+05	1.45 N	0.82	0.83	1.1%	
PCB-137 22'344'5'-HxCB	33.35	1.15E+05	1.26 Y	0.97	0.87	-10.8%	
PCB-164 233'4'5'6'-HxCB	33.44	1.71E+05	1.16 Y	1.25	1.29	3.1%	
PCB-163/138/129 ...-HxCB	33.73	4.51E+05	1.34 Y	1.04	1.14	9.0%	
PCB-160 233'456'-HxCB	33.84	1.57E+05	1.37 Y	1.19	1.18	-0.7%	
PCB-158 233'44'6'-HxCB	34.04	1.91E+05	1.15 Y	1.34	1.44	7.5%	
PCB-128/166 ...-HxCB	34.74	2.22E+05	1.44 Y	0.96	0.95	-0.8%	
PCB-159 233'455'-HxCB	35.60	1.20E+05	1.28 Y	1.12	1.03	-8.1%	
PCB-162 233'4'55'-HxCB	35.83	1.26E+05	1.14 Y	1.13	1.08	-4.4%	
PCB-188 22'34'566'-HpCB	31.54	1.82E+05	1.02 Y	0.98	0.98	-0.6%	
PCB-179 22'33'566'-HpCB	31.81	1.71E+05	1.04 Y	0.90	0.92	2.5%	
PCB-184 22'344'66'-HpCB	32.27	1.54E+05	1.06 Y	0.86	0.83	-4.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:15			
Lab ID:	CS0_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 02:28						
Datafile:	121214V02						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.55	1.87E+05	1.09 Y	0.97	1.01	4.0%	
PCB-186 22'34'566'-HpCB	32.93	1.72E+05	1.03 Y	0.93	0.92	-0.3%	
PCB-178 22'33'55'6'-HpCB	34.10	1.15E+05	1.18 Y	0.66	0.62	-6.4%	
PCB-175 22'33'45'6'-HpCB	34.63	1.22E+05	1.07 Y	1.02	1.14	11.7%	
PCB-187 22'34'55'6'-HpCB	34.86	1.04E+05	1.31 N	1.03	0.98	-4.8%	
PCB-182 22'344'56'-HpCB	35.03	1.35E+05	0.99 Y	1.10	1.27	15.5%	
PCB-183 22'344'5'6'-HpCB	35.37	1.26E+05	1.16 Y	1.12	1.18	5.0%	
PCB-185 22'3455'6'-HpCB	35.44	1.08E+05	1.14 Y	0.97	1.01	4.5%	
PCB-174 22'33'456'-HpCB	35.55	9.35E+04	0.95 Y	0.90	0.88	-2.1%	
PCB-177 22'33'45'6'-HpCB	35.92	1.09E+05	0.91 Y	0.87	1.02	17.0%	
PCB-181 22'344'56'-HpCB	36.26	1.11E+05	1.17 Y	1.03	1.04	0.7%	
PCB-171/173 ...-HpCB	36.44	2.04E+05	0.94 Y	0.89	0.96	8.1%	
PCB-172 22'33'455'-HpCB	37.82	9.70E+04	1.14 Y	0.87	0.91	4.3%	
PCB-192 233'455'6'-HpCB	38.05	1.34E+05	0.95 Y	1.16	1.25	8.1%	
PCB-180/193 ...-HpCB	38.33	2.26E+05	1.09 Y	1.07	1.06	-0.8%	
PCB-191 233'44'5'6'-HpCB	38.66	1.32E+05	1.03 Y	1.18	1.24	4.6%	
PCB-170 22'33'44'5'-HpCB	39.40	9.41E+04	0.90 Y	0.99	1.04	4.2%	
PCB-190 233'44'56'-HpCB	39.85	1.24E+05	0.90 Y	1.36	1.36	0.6%	
PCB-202 22'33'55'66'-OcCB	36.04	1.26E+05	0.86 Y	0.86	0.87	0.5%	
PCB-201 22'33'45'66'-OcCB	36.81	1.32E+05	0.93 Y	0.95	0.91	-4.6%	
PCB-204 22'344'566'-OcCB	37.38	1.50E+05	0.82 Y	0.90	1.03	14.0%	
PCB-197 22'33'44'66'-OcCB	37.57	1.35E+05	0.86 Y	0.96	0.93	-3.1%	
PCB-200 22'33'4566'-OcCB	37.65	1.29E+05	0.80 Y	0.88	0.89	0.4%	
PCB-198/199 ...-OcCB	39.99	1.87E+05	0.85 Y	0.63	0.64	2.0%	
PCB-196 22'33'44'56'-OcCB	40.56	1.05E+05	0.90 Y	0.66	0.72	9.1%	
PCB-203 22'344'55'6'-OcCB	40.73	1.05E+05	0.85 Y	0.69	0.72	4.0%	
PCB-195 22'33'44'56'-OcCB	41.83	7.48E+04	0.84 Y	0.82	0.87	5.7%	
PCB-194 22'33'44'55'-OcCB	43.80	7.85E+04	0.83 Y	0.90	0.91	1.5%	
PCB-205 233'44'55'6'-OcCB	44.19	9.92E+04	0.92 Y	1.13	1.16	2.0%	
PCB-208 22'33'455'66'-NoCB	41.64	1.05E+05	0.75 Y	1.03	1.03	-0.3%	
PCB-207 22'33'44'566'-NoCB	42.42	1.08E+05	0.79 Y	1.07	1.07	-0.2%	
PCB-206 22'33'44'55'6'-NoCB	45.66	7.71E+04	0.81 Y	0.97	1.00	3.3%	

SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

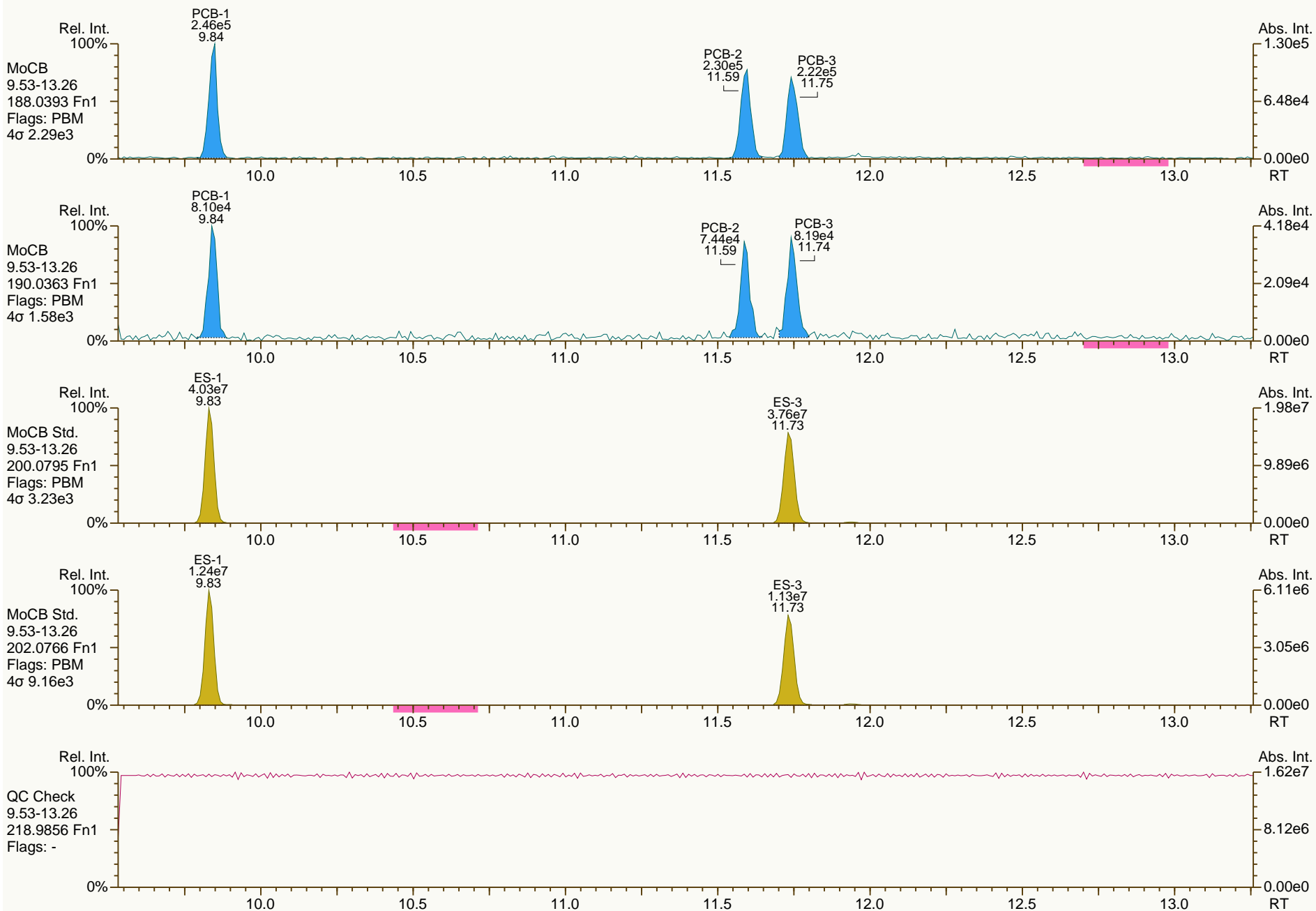
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

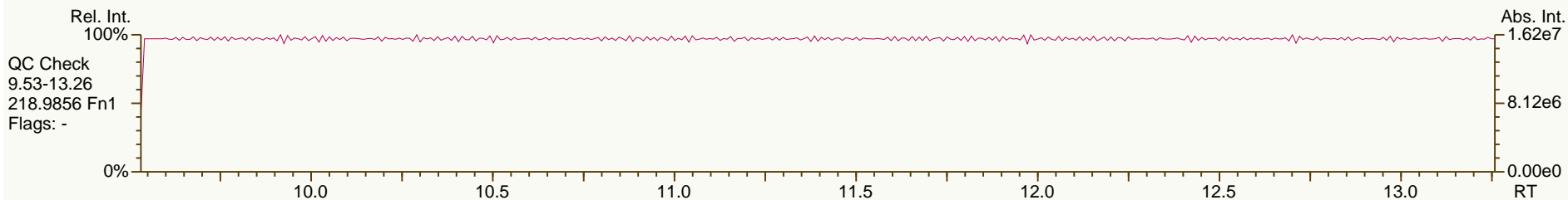
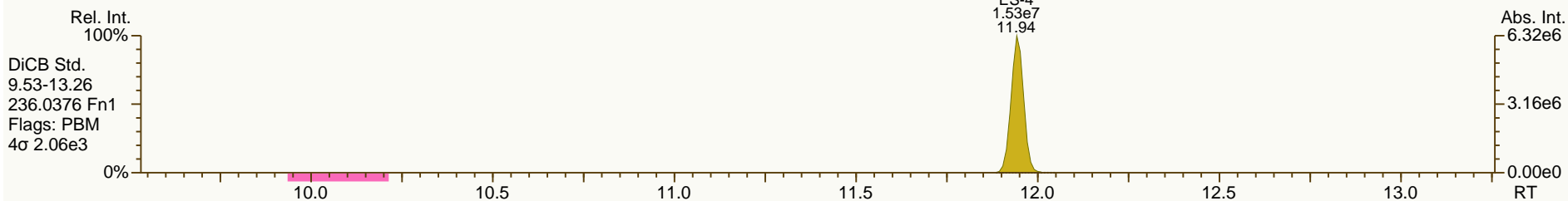
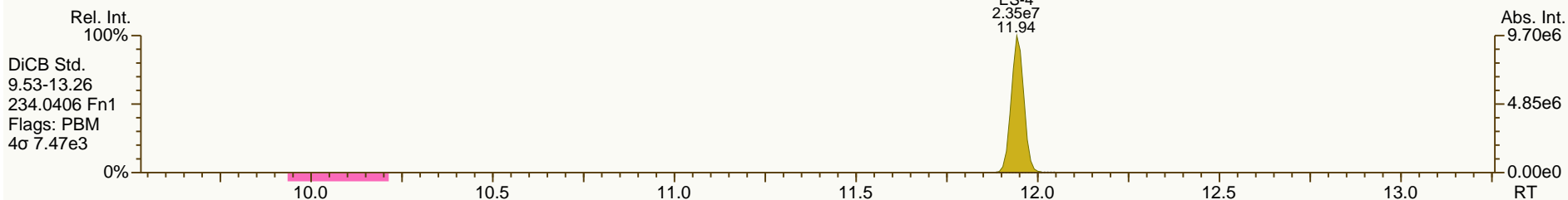
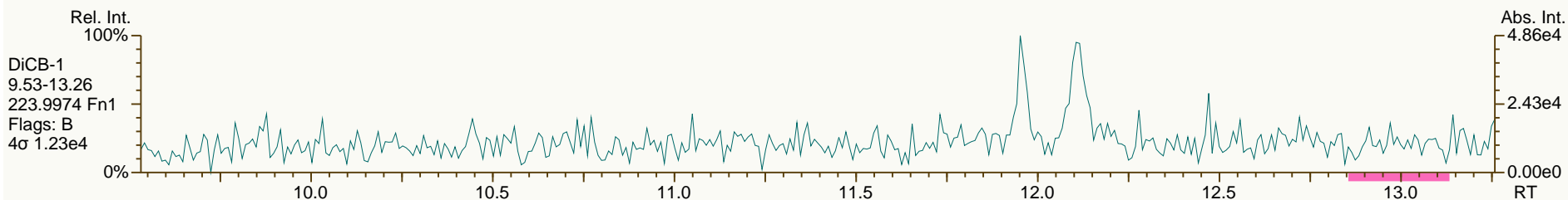
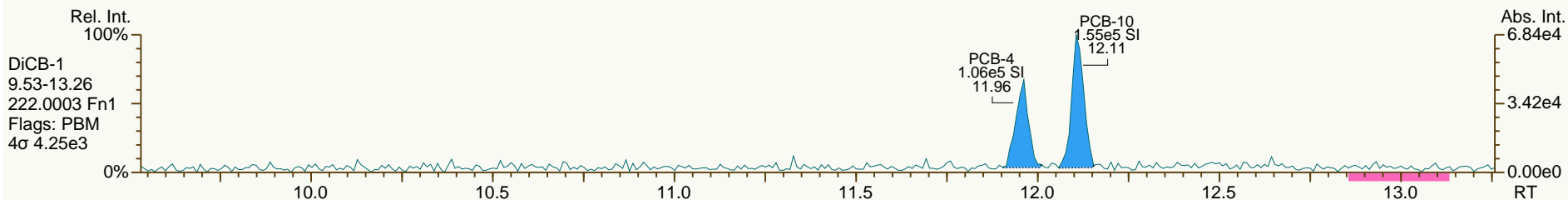
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

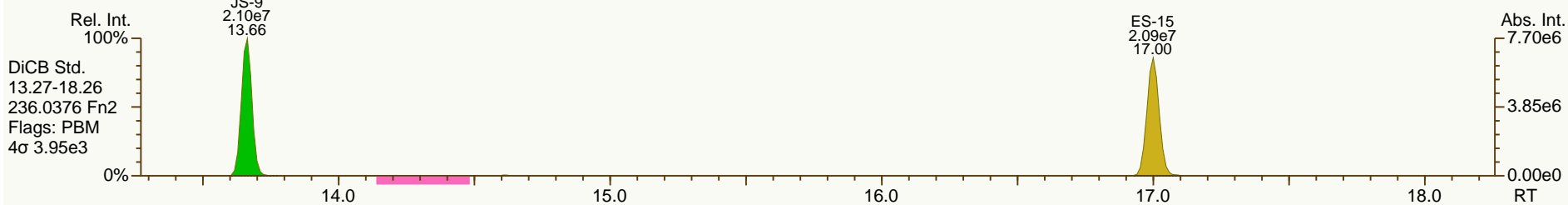
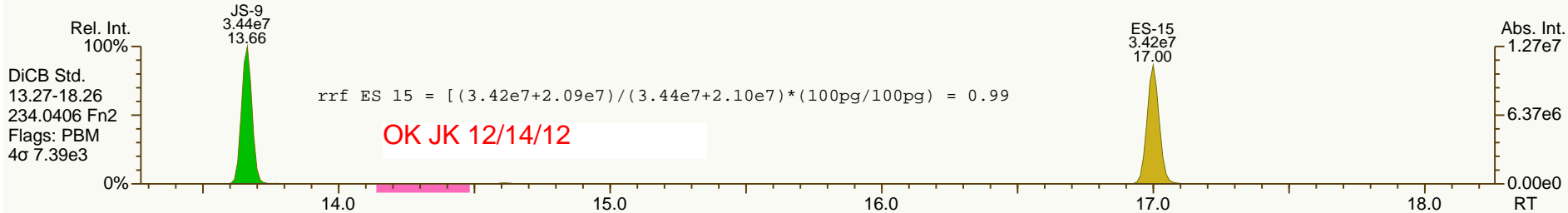
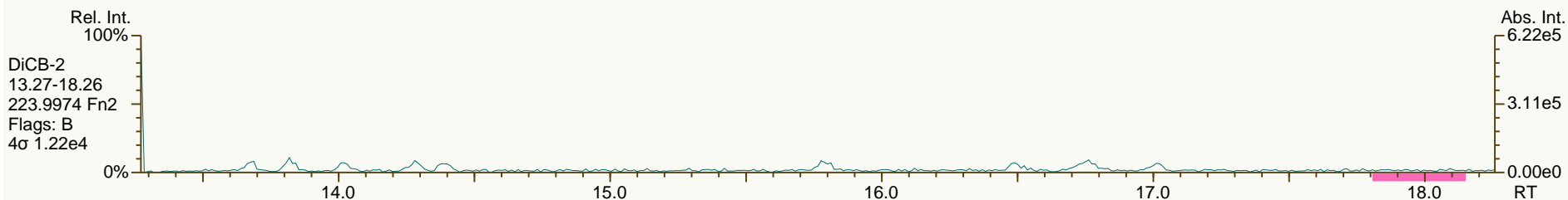
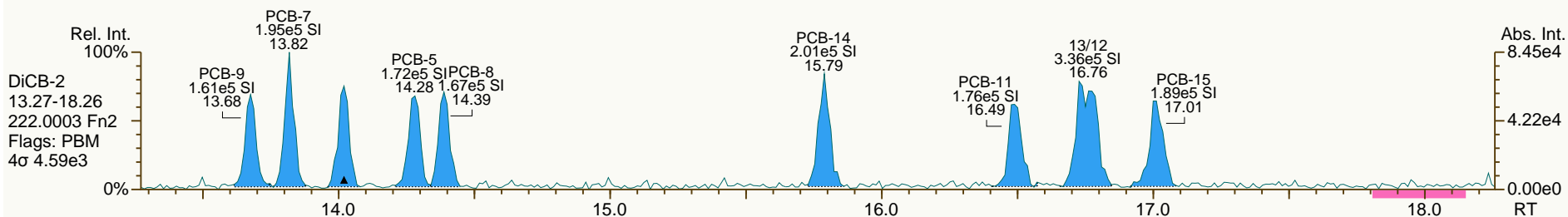
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

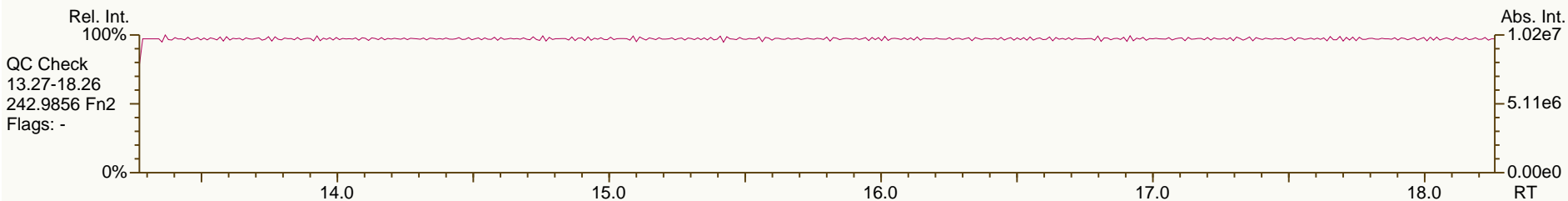
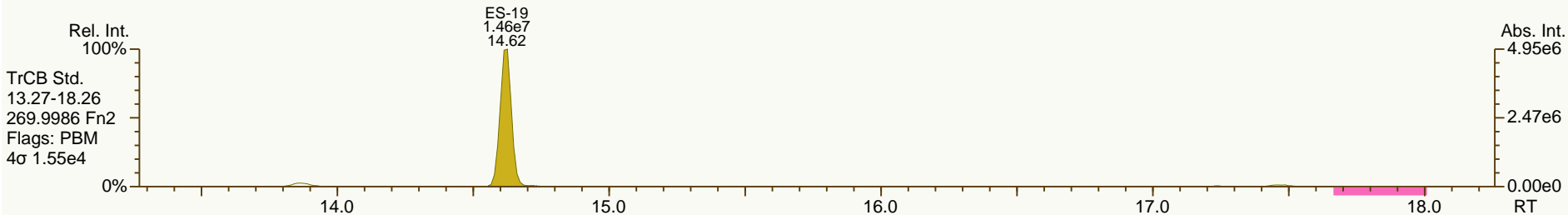
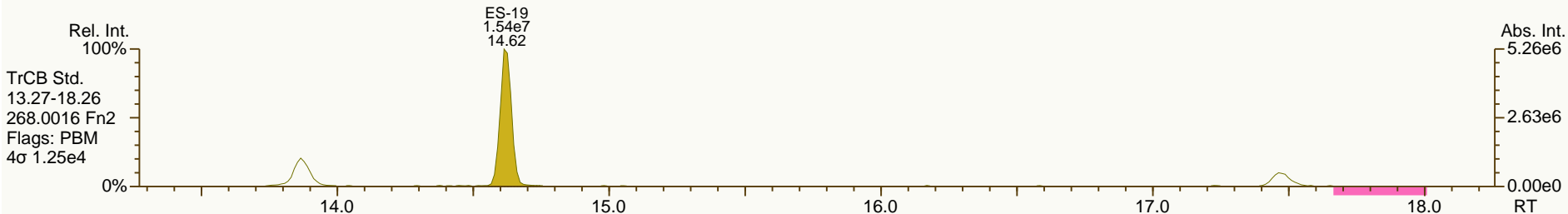
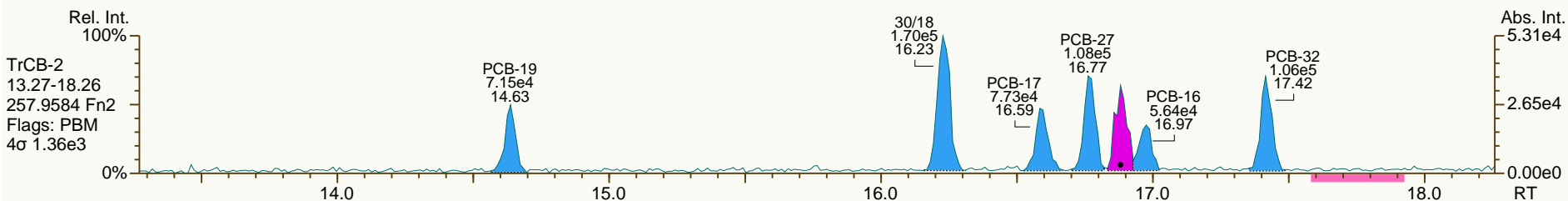
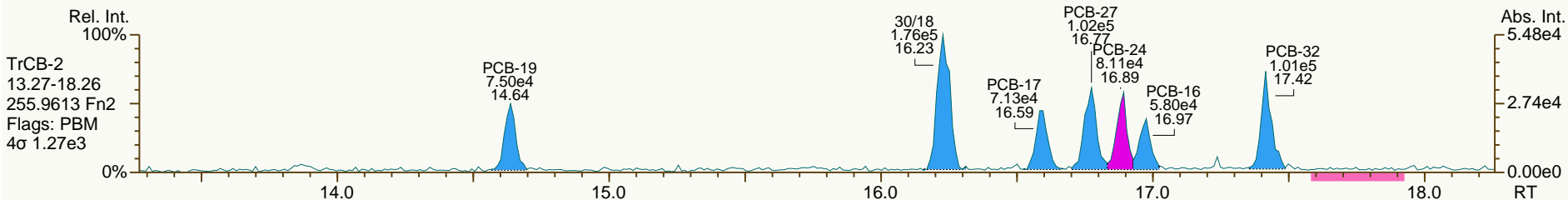
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

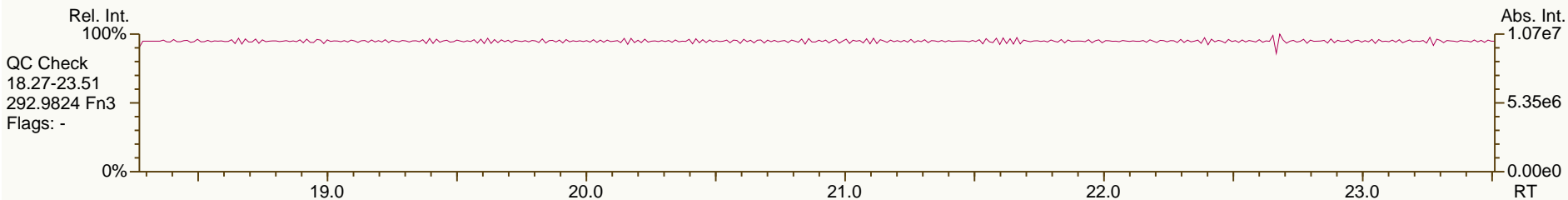
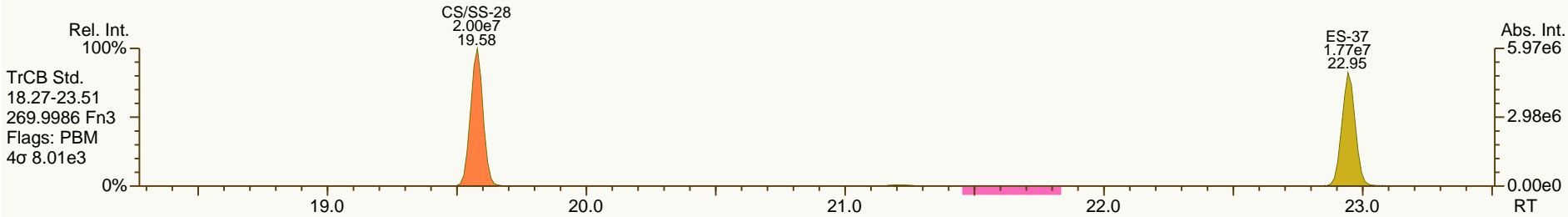
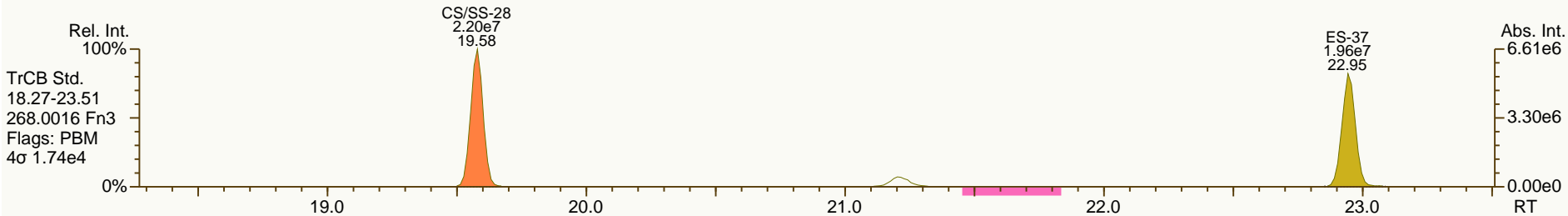
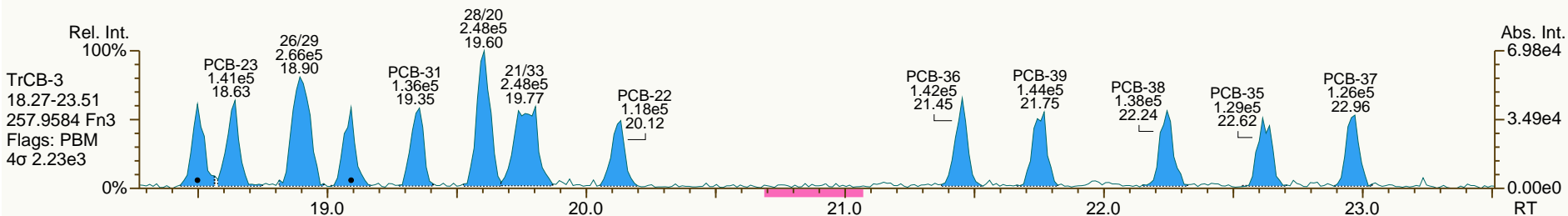
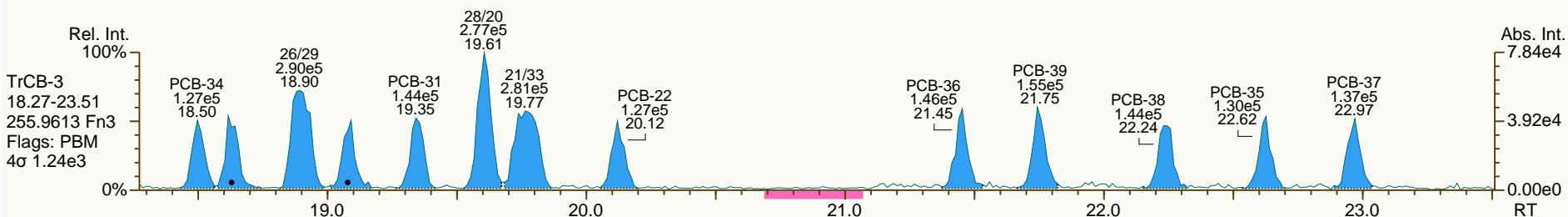
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

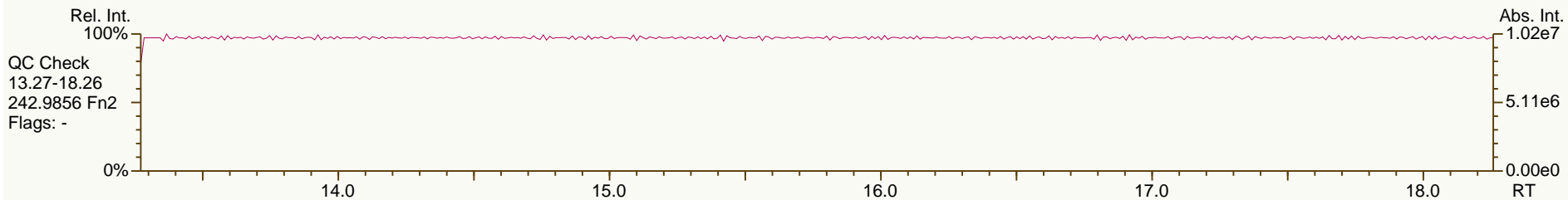
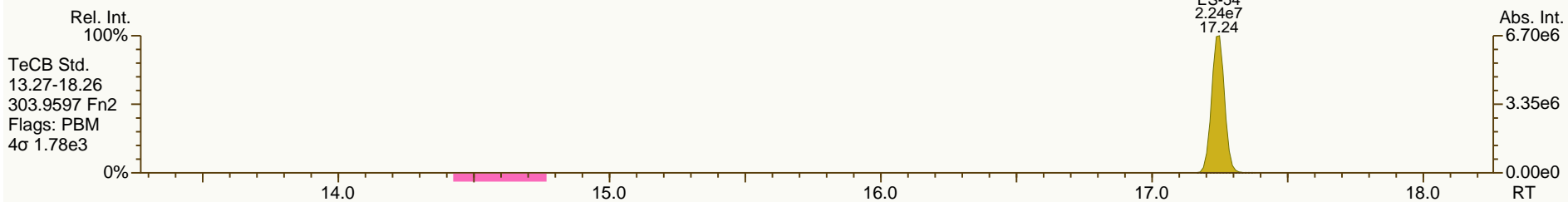
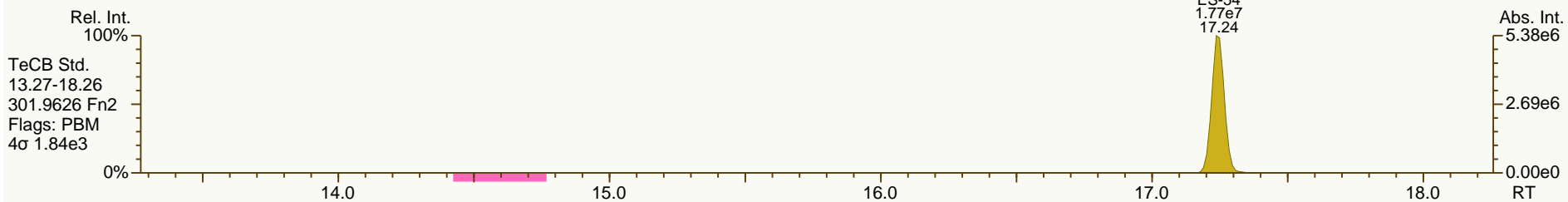
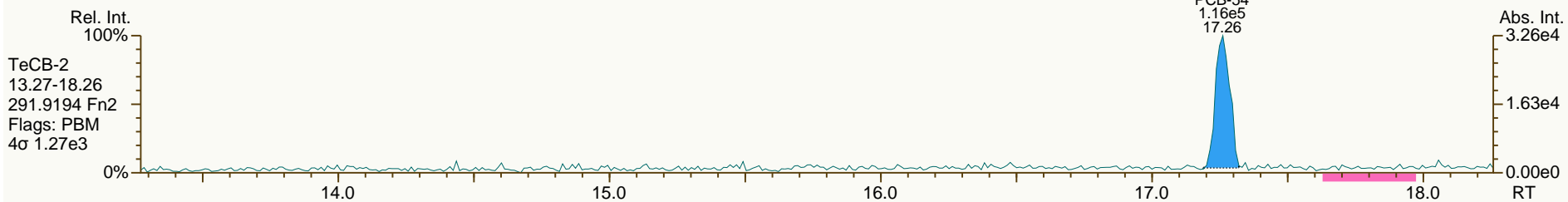
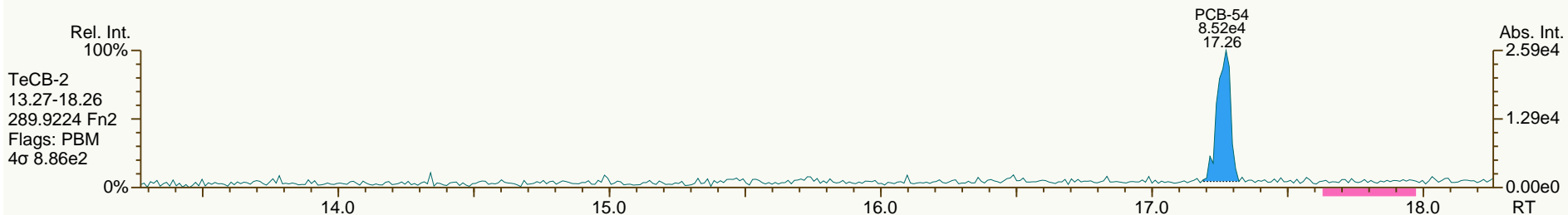
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

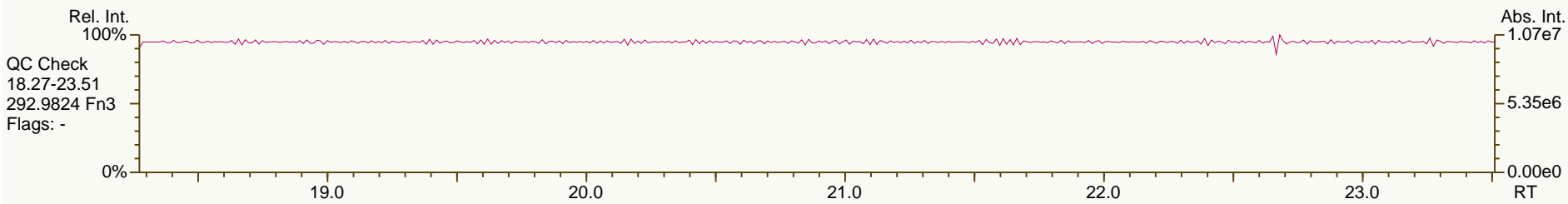
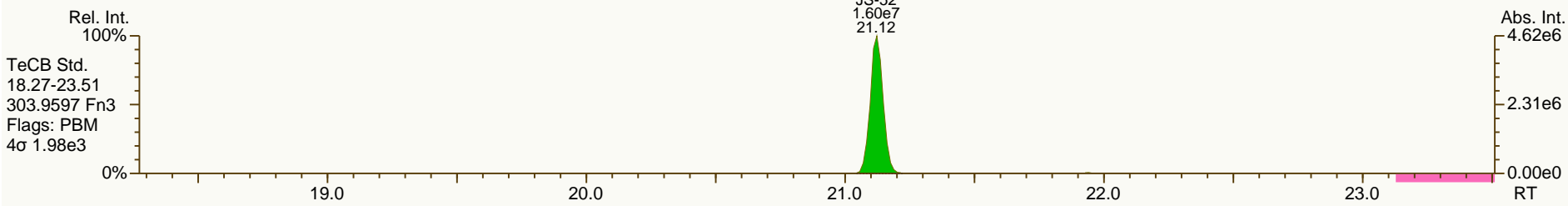
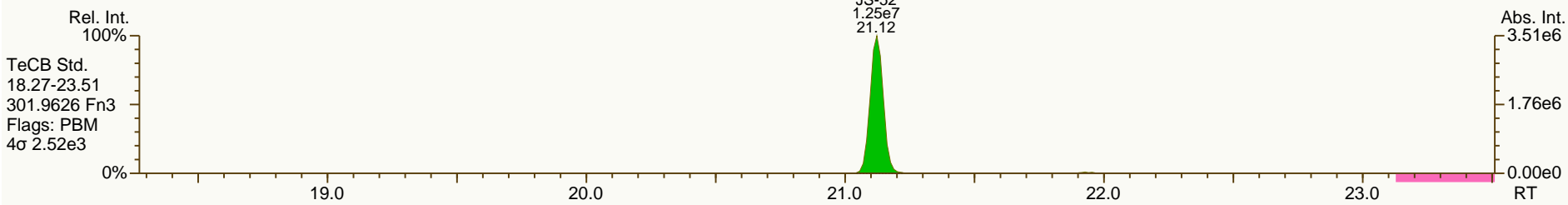
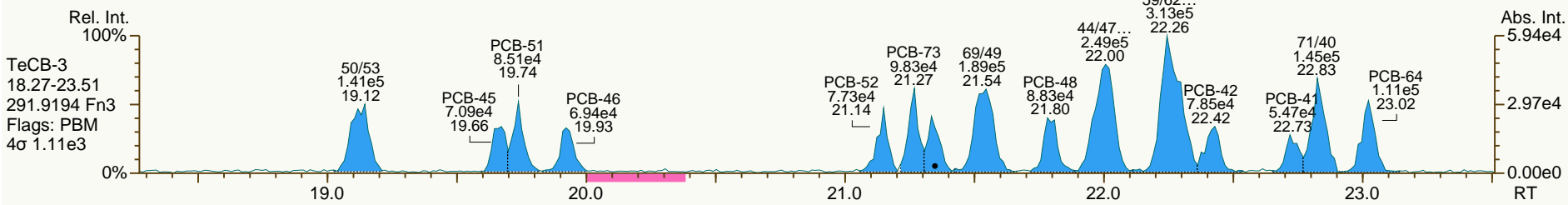
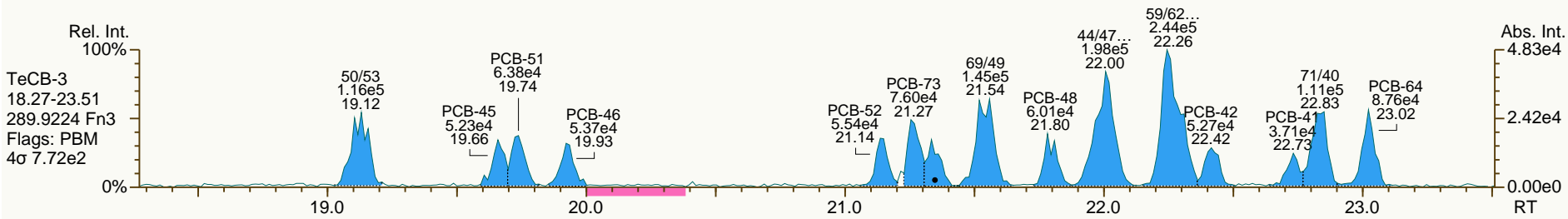
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

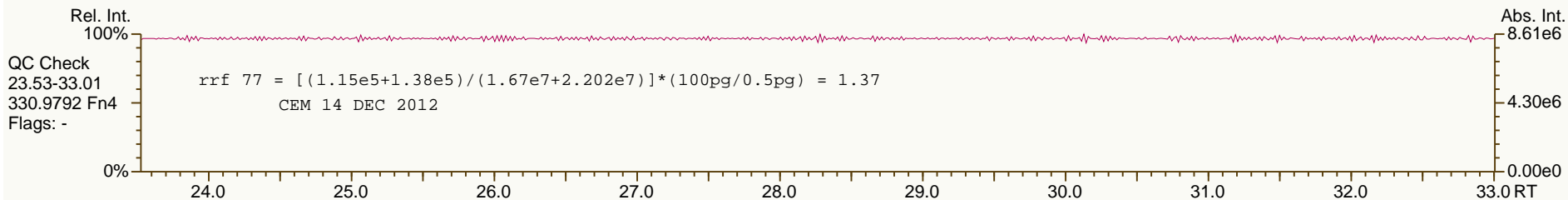
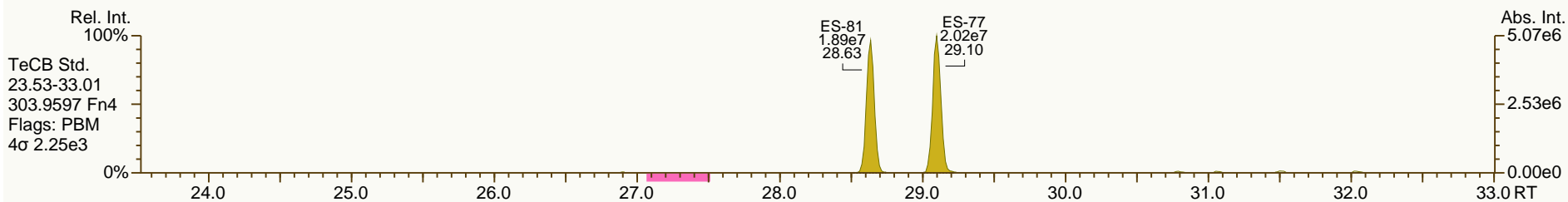
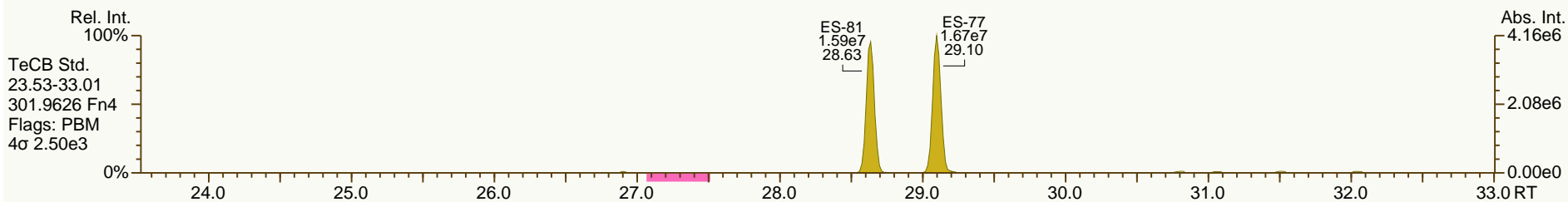
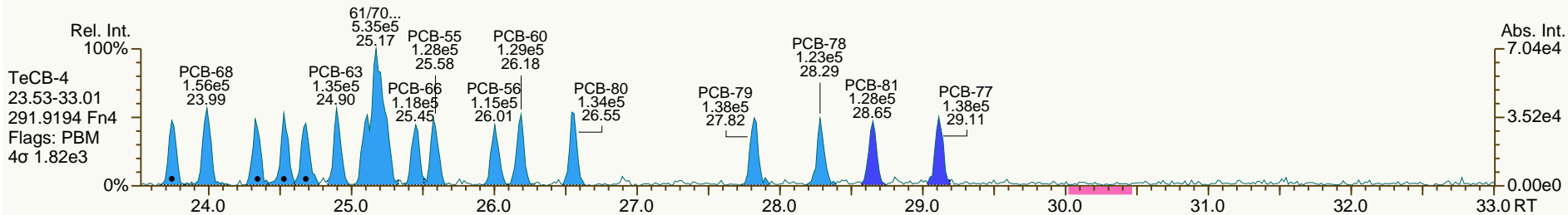
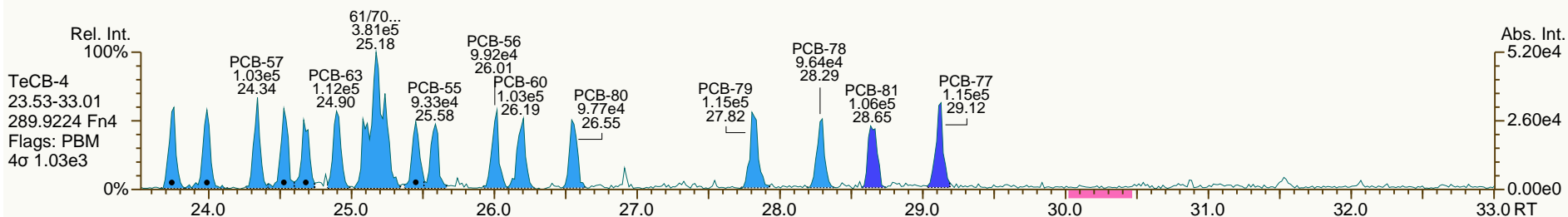
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

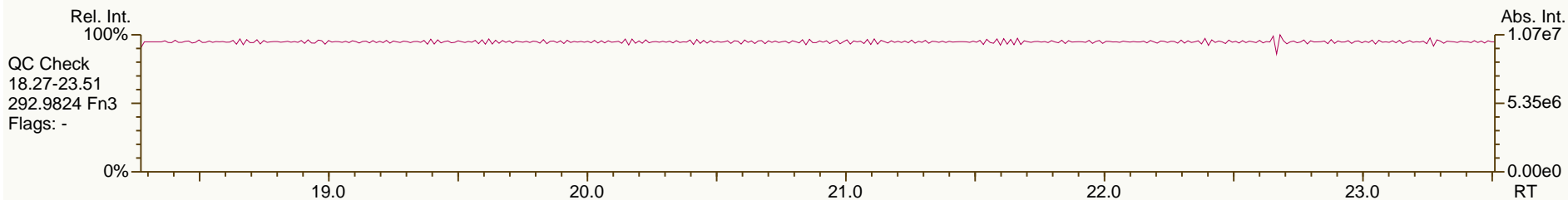
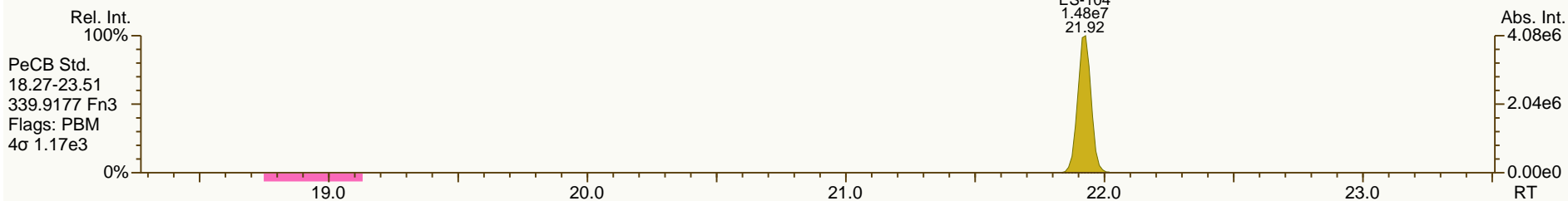
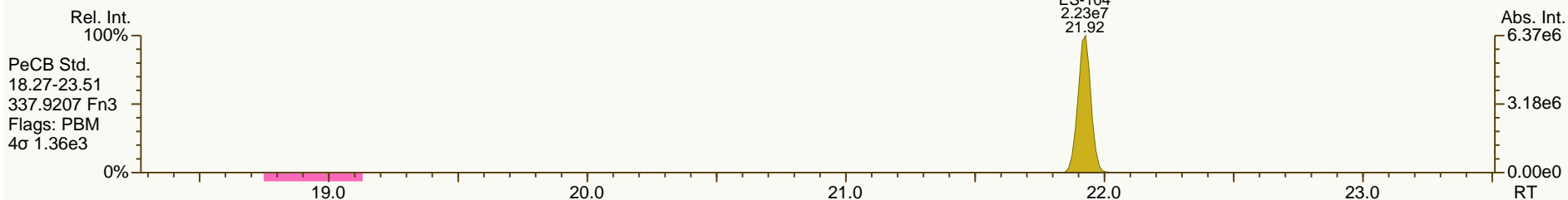
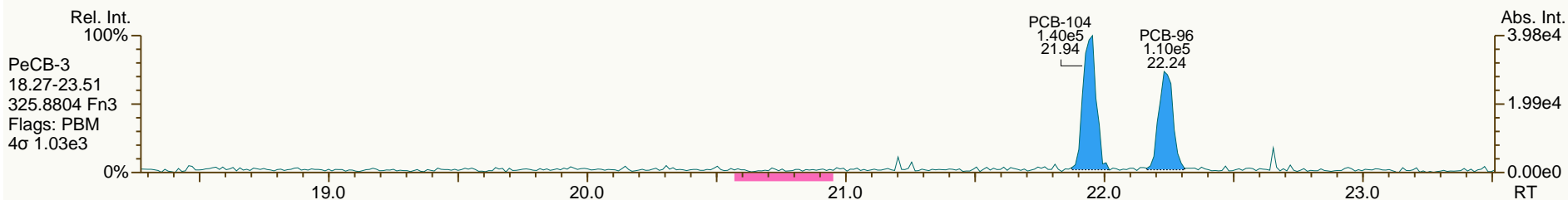
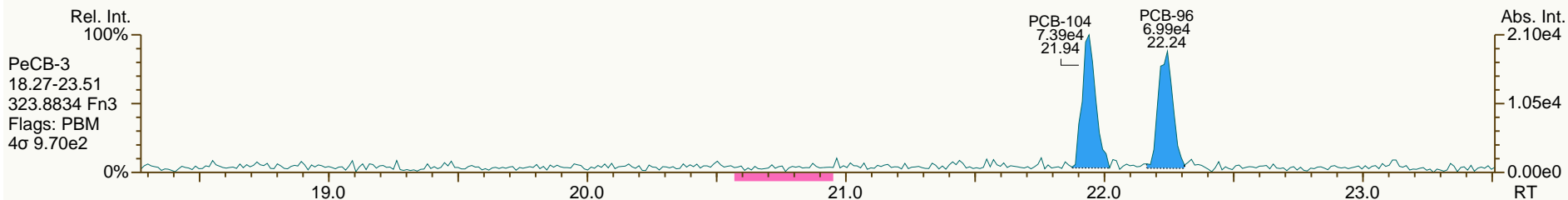
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

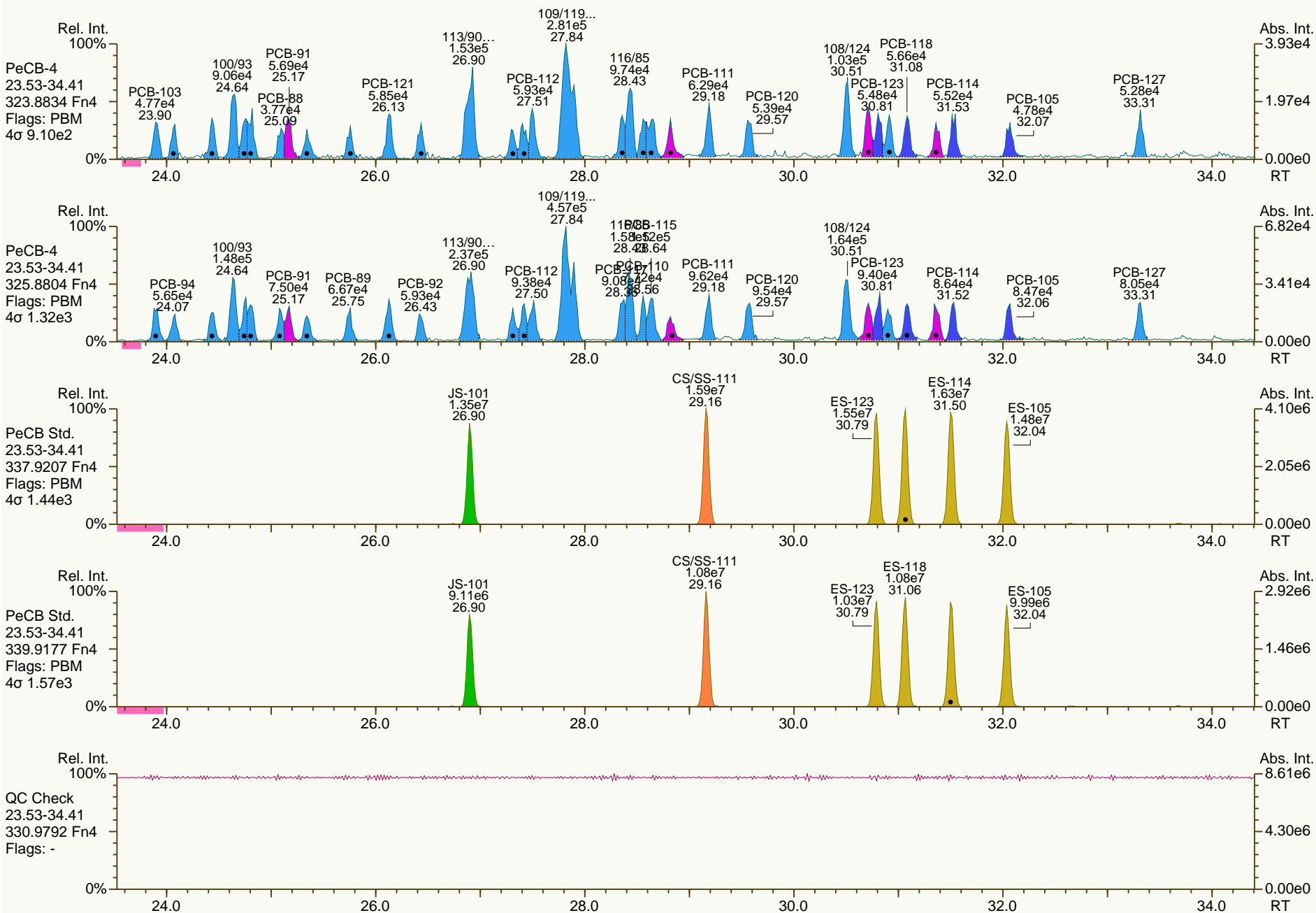
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

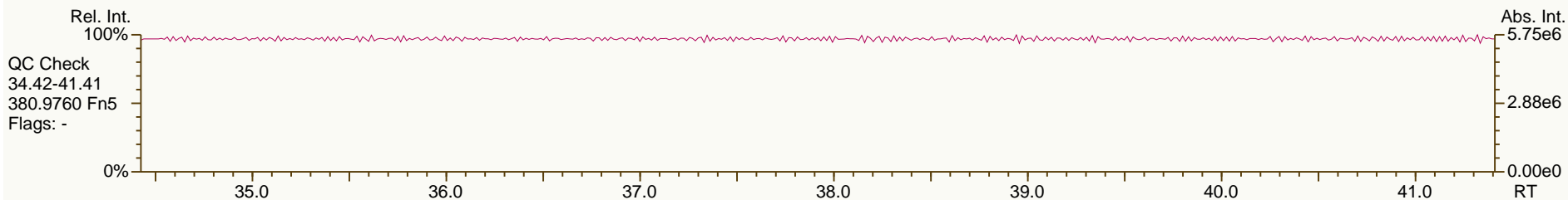
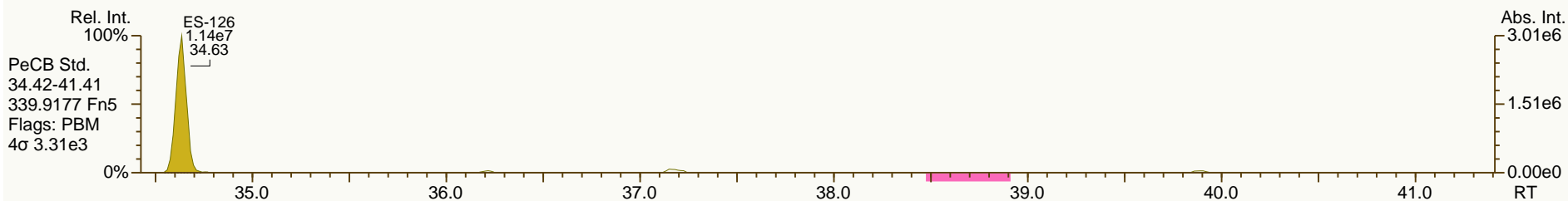
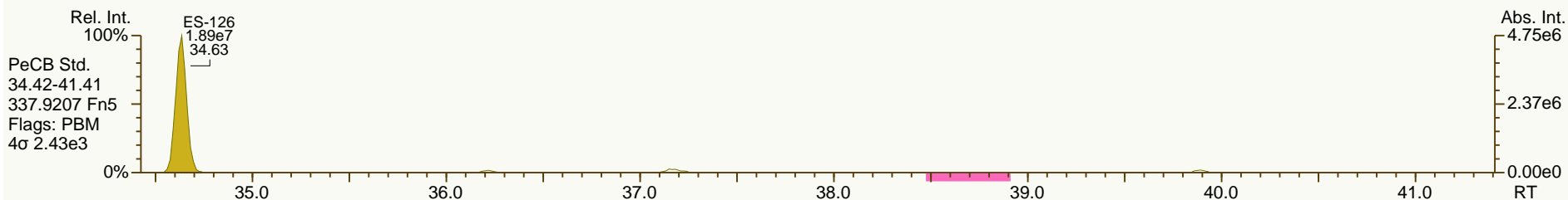
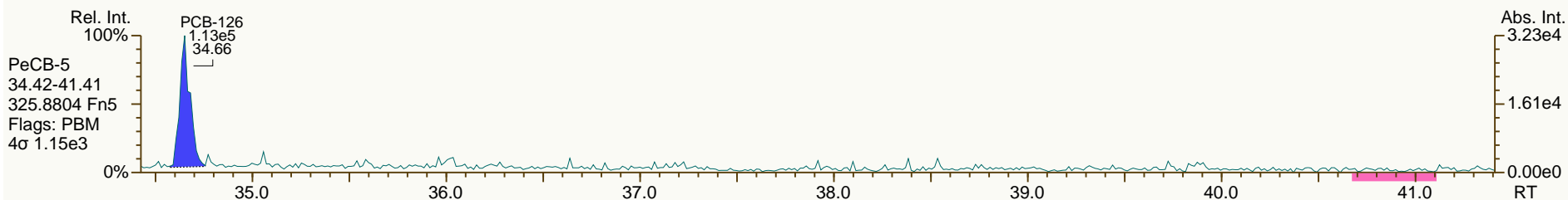
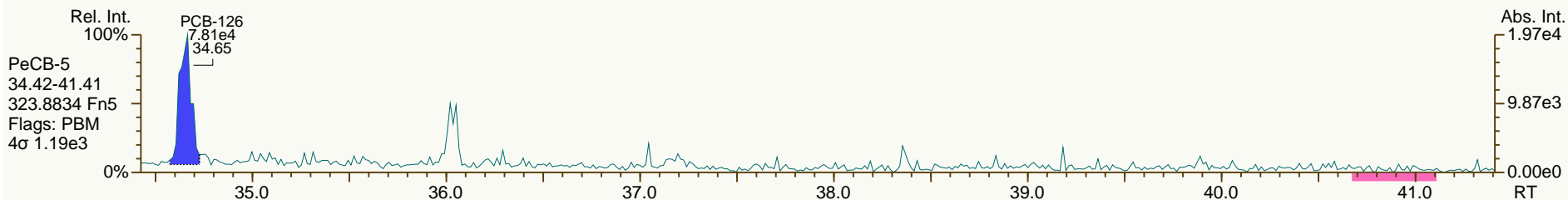
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
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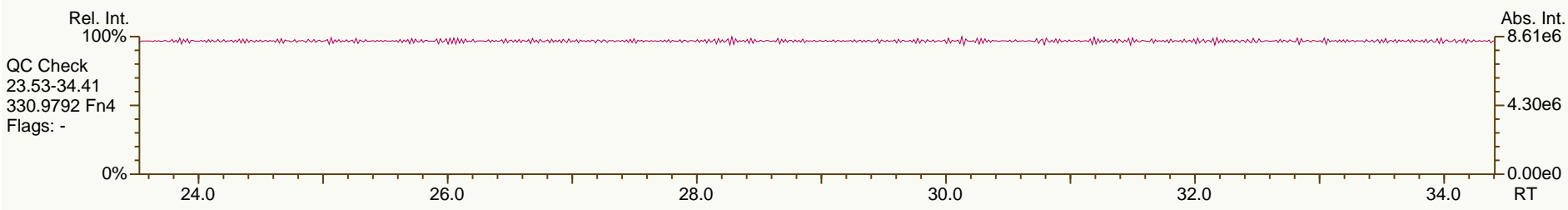
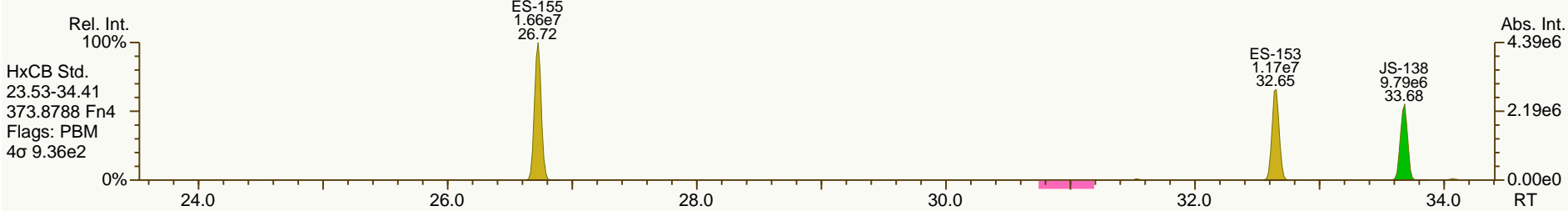
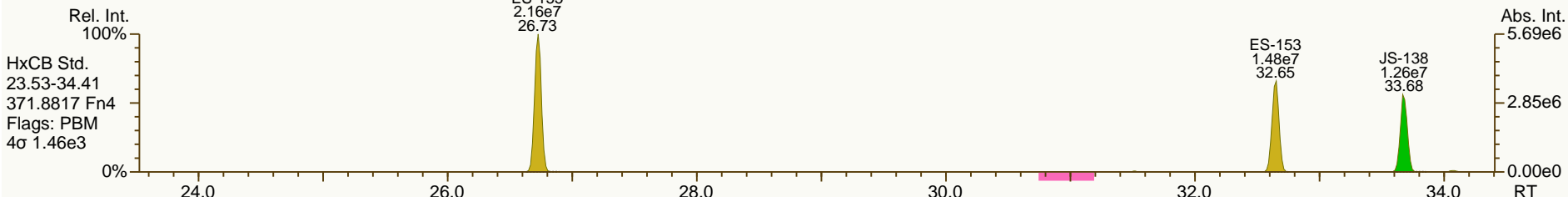
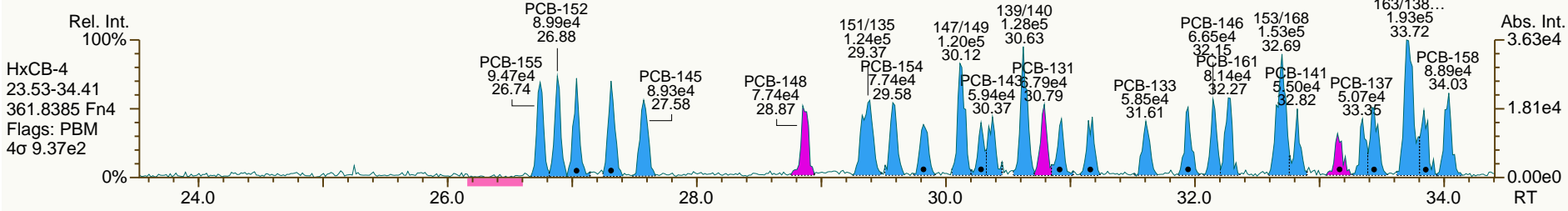
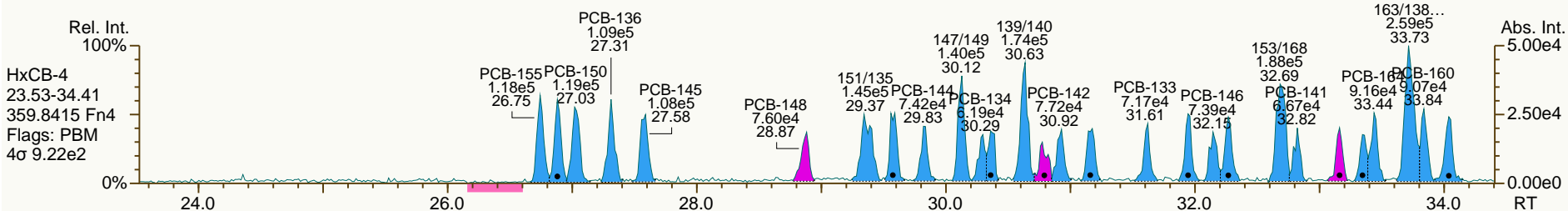
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SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
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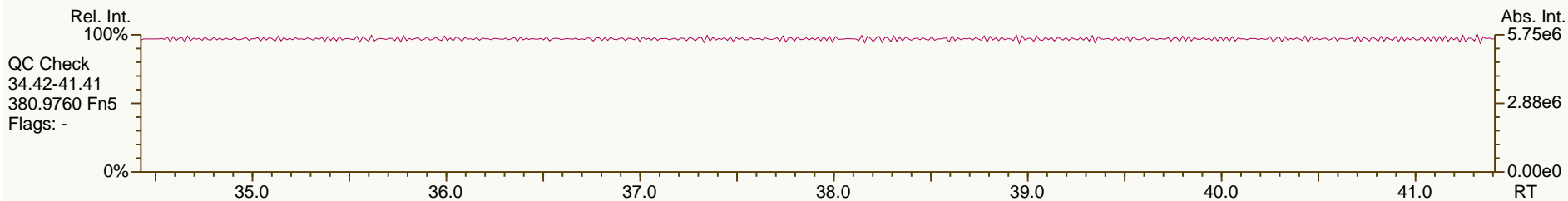
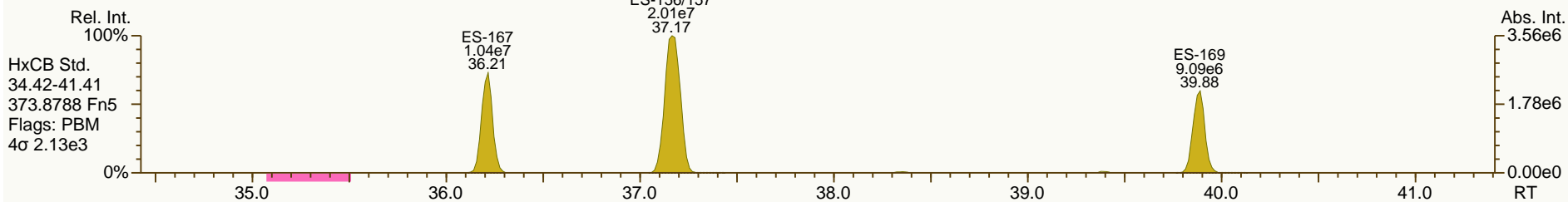
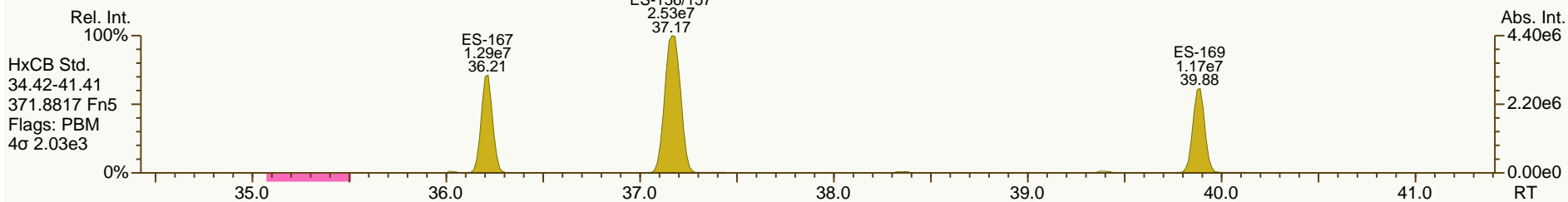
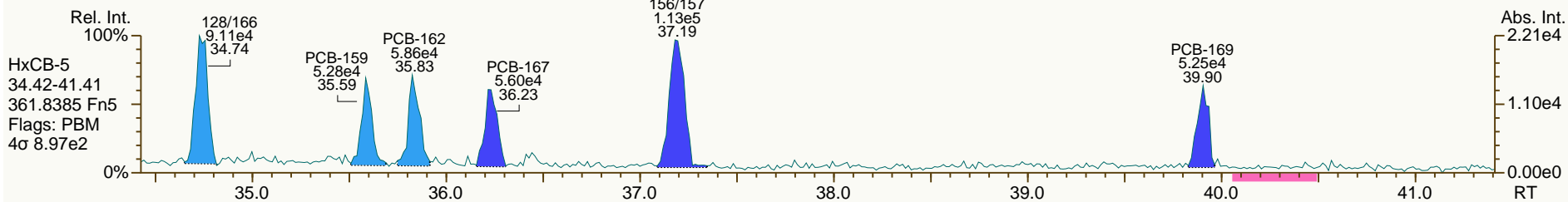
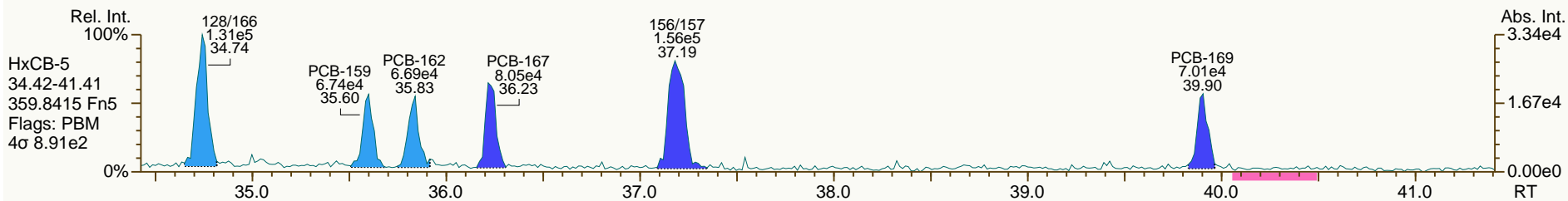
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

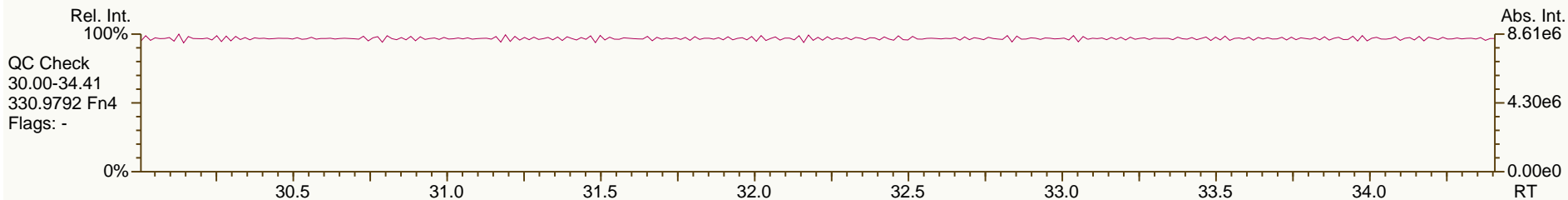
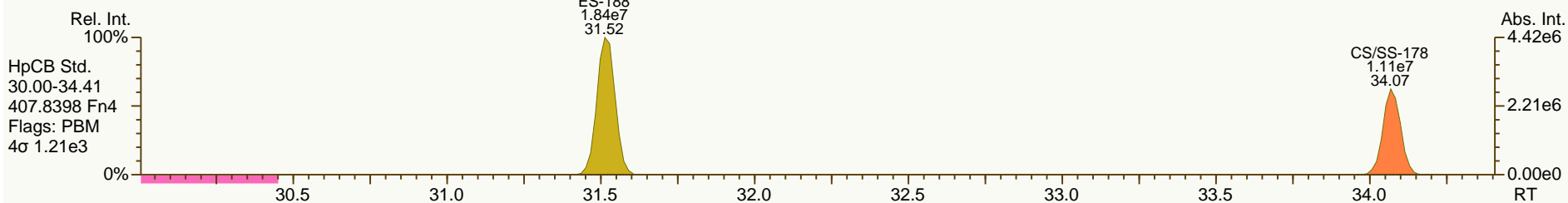
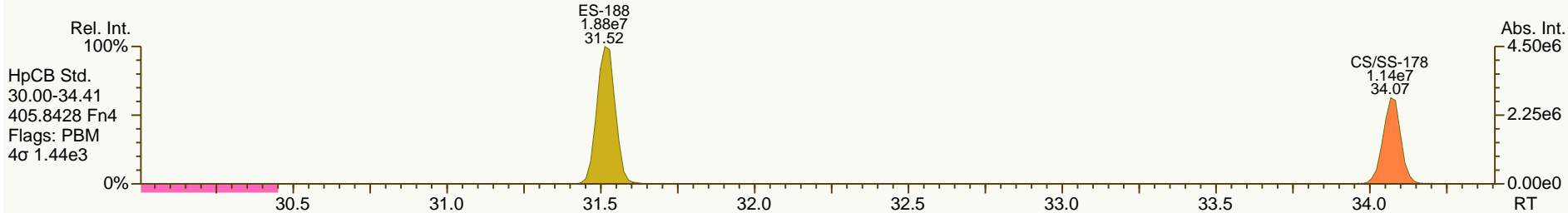
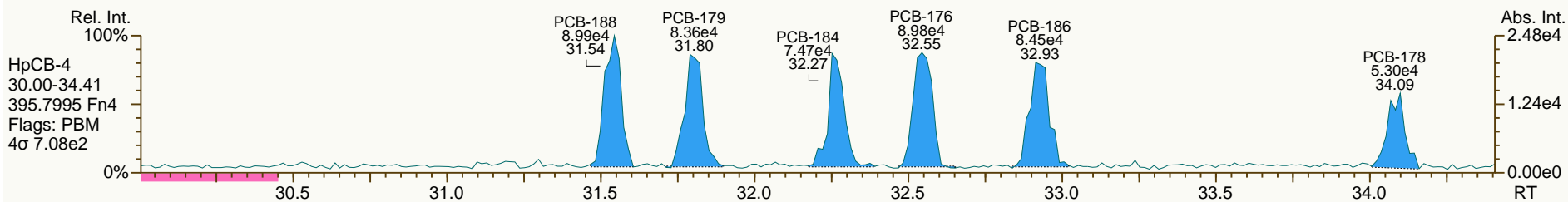
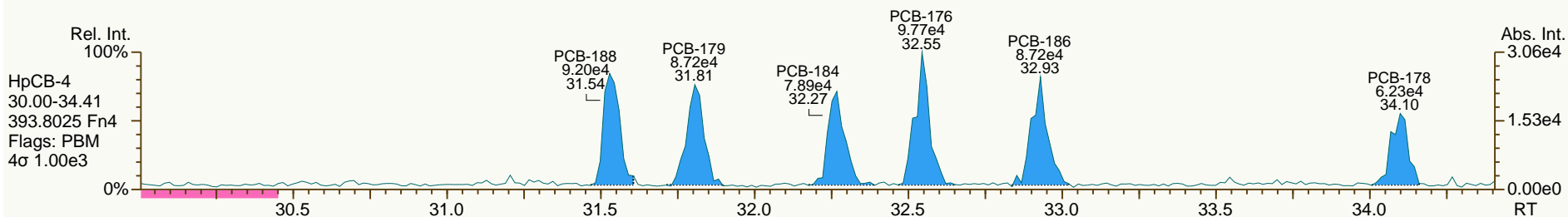
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 User: CEM Datafile: 121214V02 (EQ)



SGS-AP ID: CS0_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

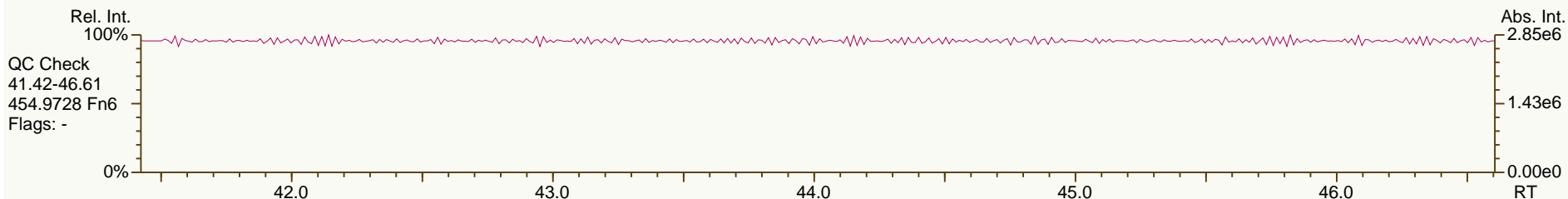
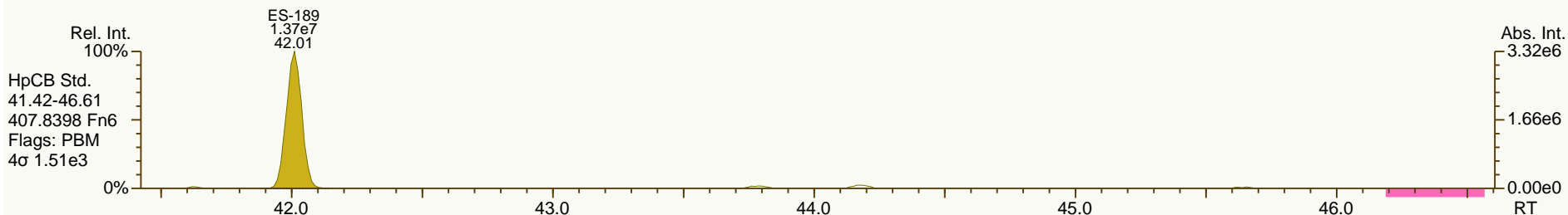
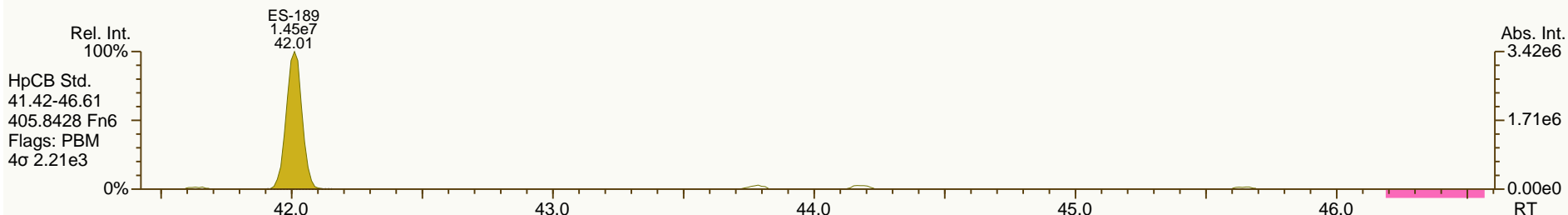
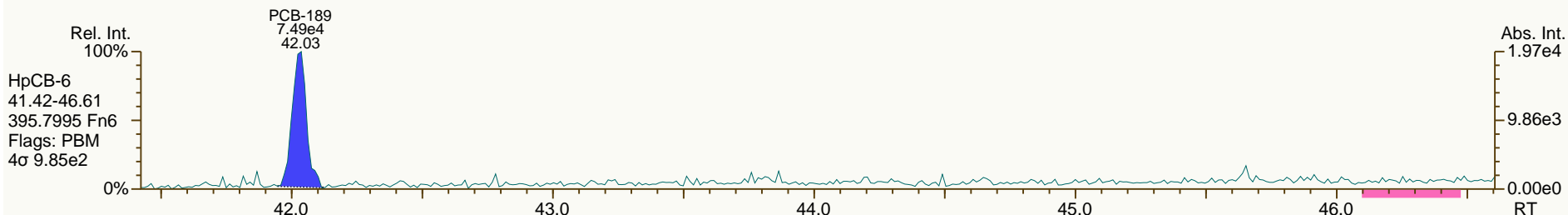
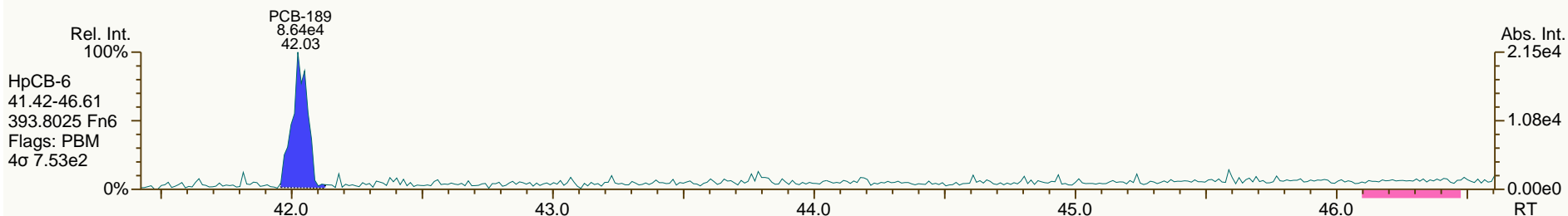
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

Acq: 14-Dec-2012 02:28:37
 User: CEM Datafile: 121214V02 (EQ)



SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

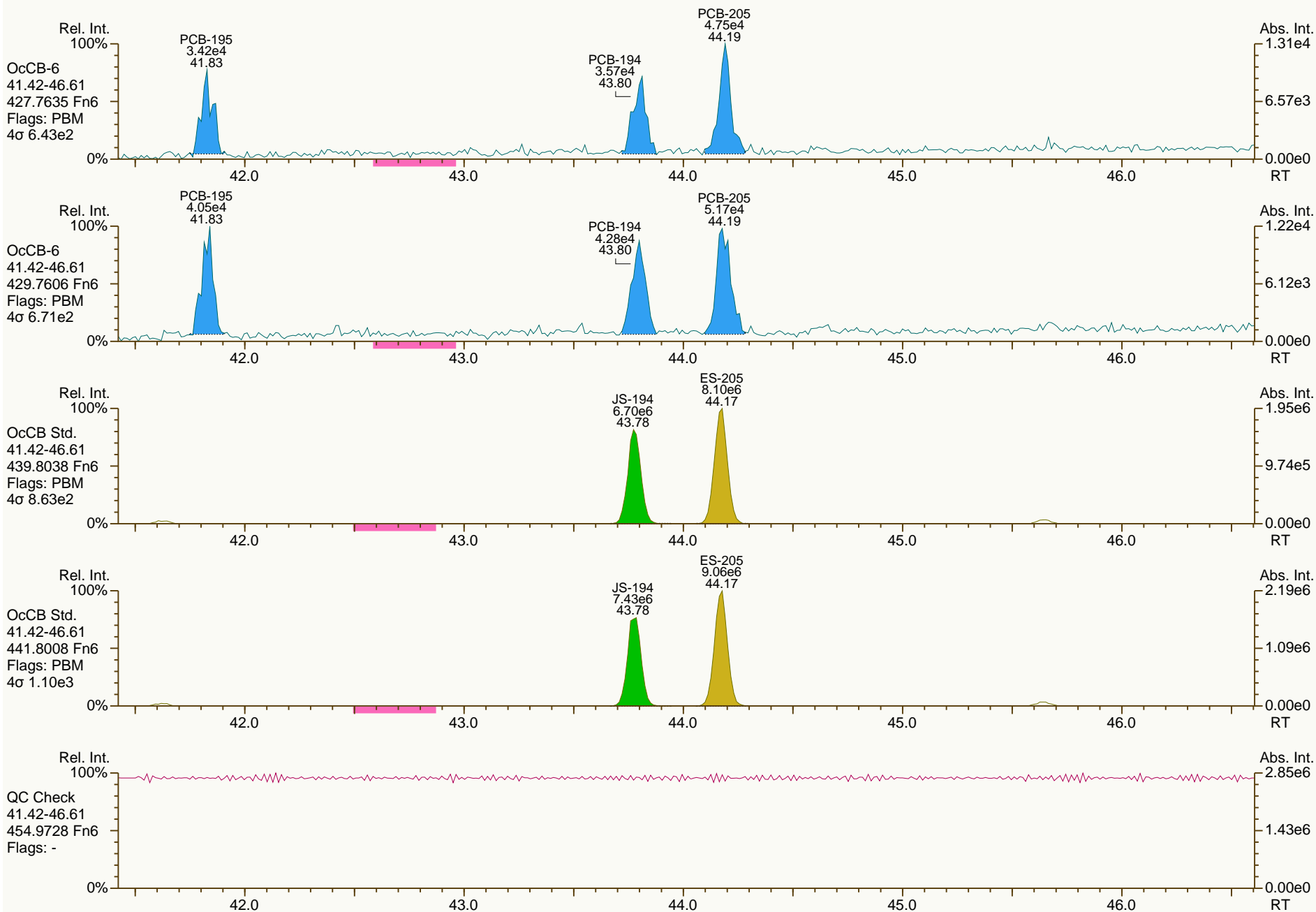
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

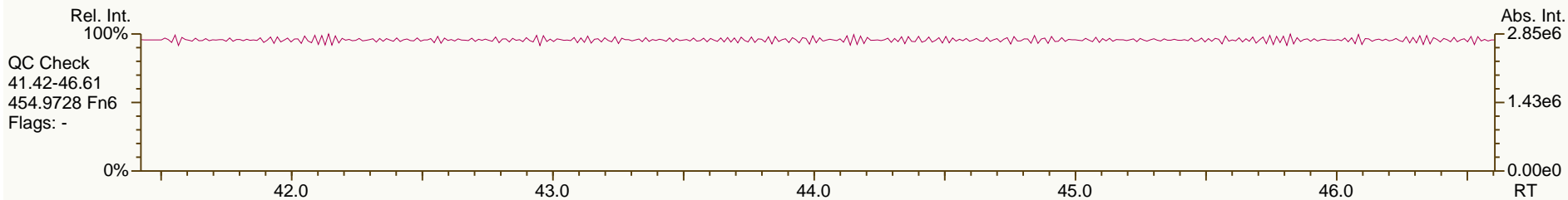
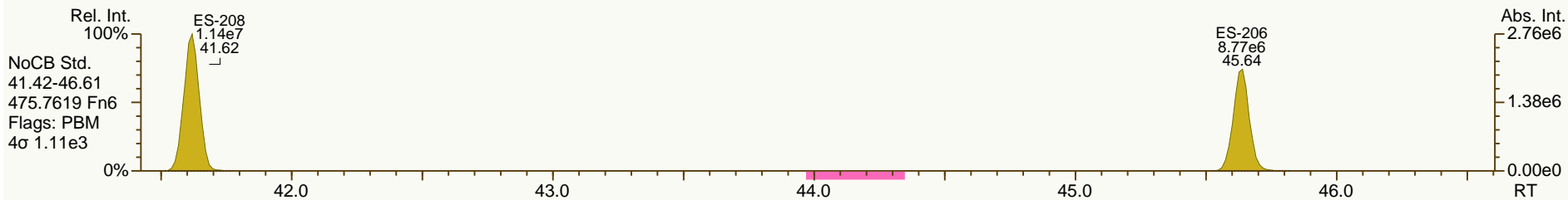
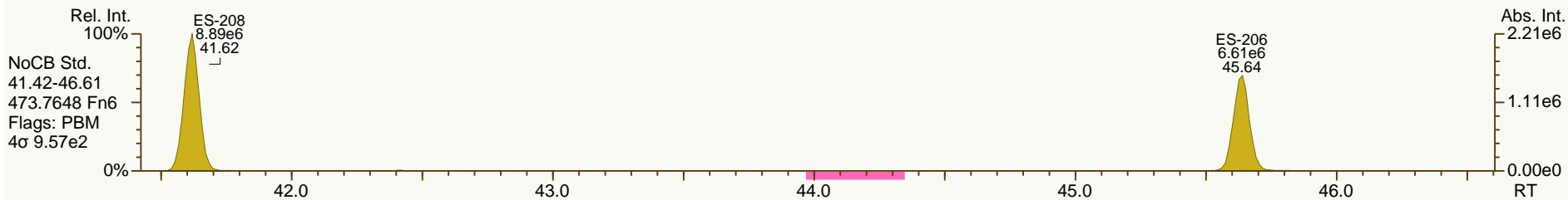
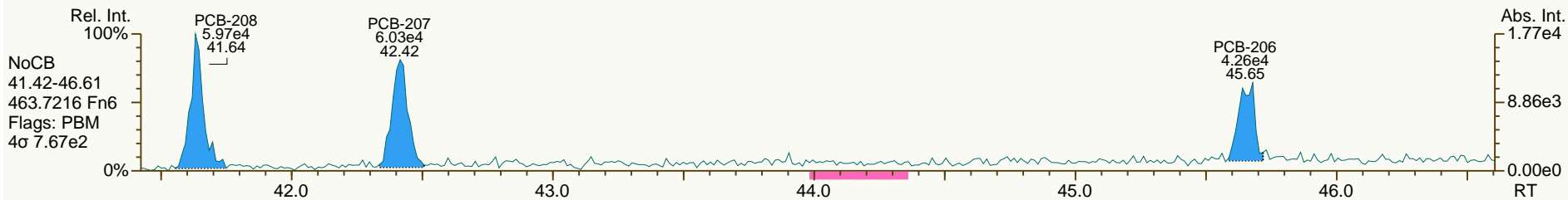
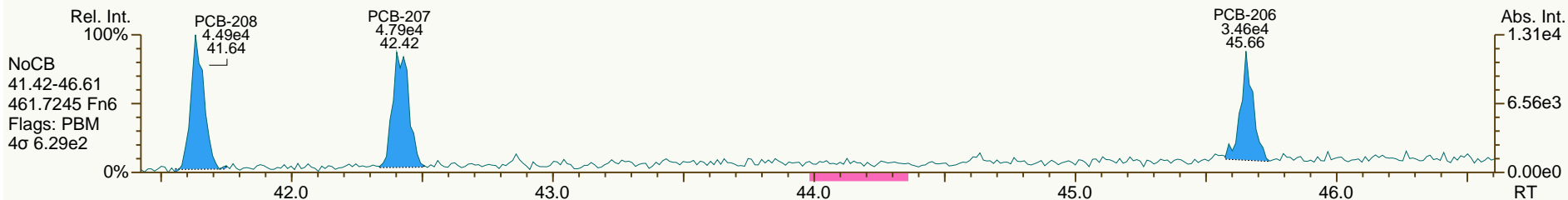
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

Acq: 14-Dec-2012 02:28:37
 User: CEM Datafile: 121214V02 (EQ)



SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

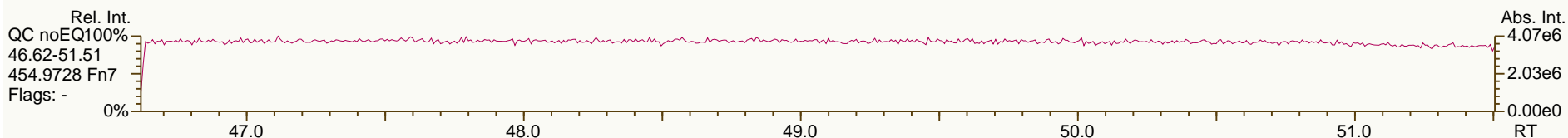
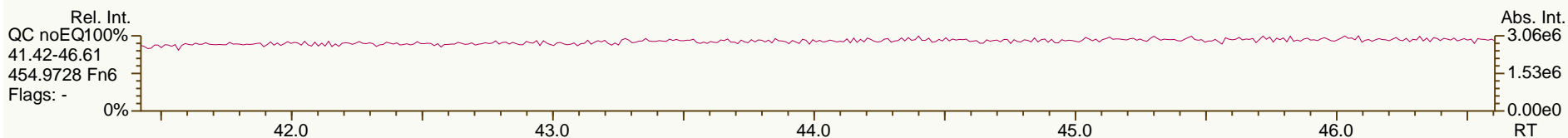
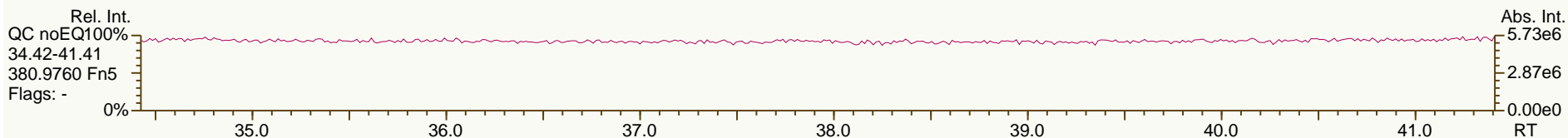
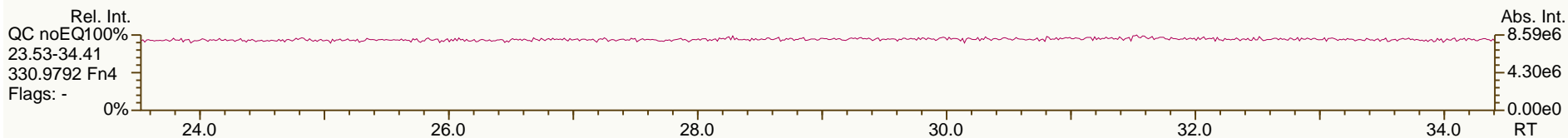
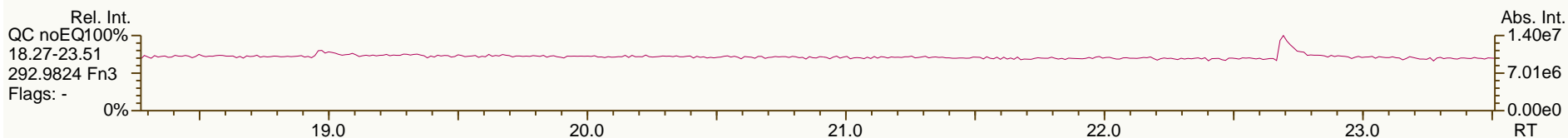
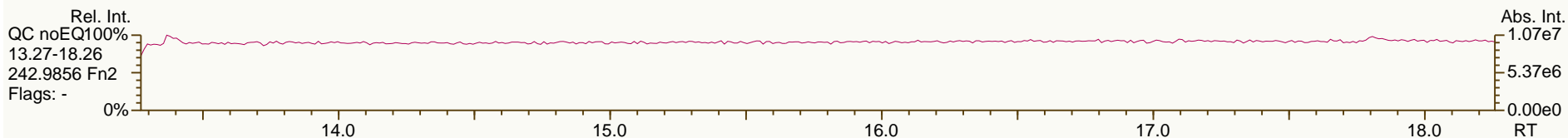
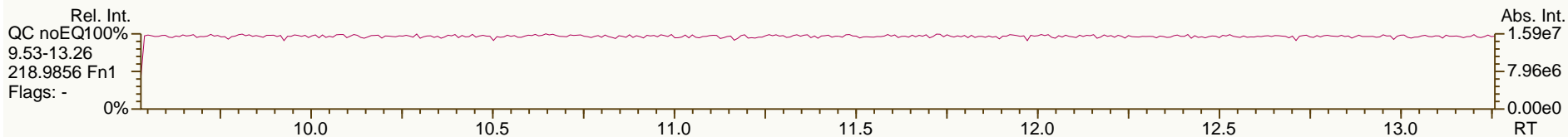
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SGS-AP ID: CS0_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

Acq: 14-Dec-2012 02:28:37
 User: CEM Datafile: 121214V02 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16		
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.10	4.04E+05	0.78 Y	1.25	1.18	-5.3%	
PCB-81 344'5'-TeCB	28.63	3.78E+05	0.84 Y	1.26	1.16	-8.0%	
PCB-105 233'44'-PeCB	32.04	2.48E+05	0.63 Y	1.06	1.08	2.2%	
PCB-114 2344'5'-PeCB	31.52	2.88E+05	0.67 Y	1.11	1.18	6.3%	
PCB-118 23'44'5'-PeCB	31.08	2.58E+05	0.61 Y	1.08	1.05	-2.5%	
PCB-123 23'44'5'-PeCB	30.80	2.82E+05	0.66 Y	1.12	1.20	7.2%	
PCB-126 33'44'5'-PeCB	34.64	3.20E+05	0.59 Y	1.16	1.15	-0.7%	
PCB-156/157 ...-HxCB	37.17	4.59E+05	1.27 Y	1.14	1.13	-0.5%	
PCB-167 23'44'55'-HxCB	36.22	2.44E+05	1.40 Y	1.18	1.16	-1.5%	
PCB-169 33'44'55'-HxCB	39.88	1.99E+05	1.19 Y	1.15	1.08	-6.7%	
PCB-189 233'44'55'-HpCB	42.02	2.72E+05	1.09 Y	1.12	1.08	-3.5%	
PCB-209 DeCB	46.99	1.79E+05	1.14 Y	1.11	1.14	2.5%	
ES PCB-1	9.82	6.27E+07	3.29 Y	0.97	0.97	-0.2%	
ES PCB-3	11.72	5.80E+07	3.36 Y	0.90	0.90	-0.4%	
ES PCB-4	11.93	4.49E+07	1.54 Y	0.70	0.69	-1.1%	
ES PCB-15	16.98	6.18E+07	1.63 Y	1.02	0.95	-6.0%	
ES PCB-19	14.60	3.37E+07	1.04 Y	0.53	0.52	-1.3%	
ES PCB-37	22.93	3.94E+07	1.11 Y	1.29	1.28	-1.2%	
ES PCB-54	17.23	4.42E+07	0.77 Y	1.43	1.43	0.5%	
ES PCB-77	29.08	3.42E+07	0.84 Y	1.20	1.11	-7.9%	
ES PCB-81	28.62	3.27E+07	0.85 Y	1.16	1.06	-8.8%	
ES PCB-104	21.90	3.98E+07	1.50 Y	1.70	1.91	11.8%	
ES PCB-105	32.02	2.30E+07	1.52 Y	1.10	1.10	0.3%	
ES PCB-114	31.49	2.43E+07	1.47 Y	1.16	1.16	0.6%	
ES PCB-118	31.05	2.44E+07	1.49 Y	1.15	1.17	1.3%	
ES PCB-123	30.77	2.35E+07	1.49 Y	1.14	1.12	-1.5%	
ES PCB-126	34.62	2.79E+07	1.64 Y	1.34	1.33	-0.5%	
ES PCB-153	32.63	2.43E+07	1.29 Y	1.14	1.13	-1.0%	
ES PCB-155	26.71	3.57E+07	1.26 Y	1.61	1.66	3.1%	
ES PCB-156/157	37.15	4.05E+07	1.25 Y	0.98	0.94	-3.4%	
ES PCB-167	36.20	2.10E+07	1.26 Y	1.01	0.98	-3.1%	
ES PCB-169	39.87	1.85E+07	1.21 Y	0.90	0.86	-3.9%	
ES PCB-170	39.37	1.62E+07	1.03 Y	1.28	1.27	-1.1%	
ES PCB-180	38.33	1.91E+07	1.04 Y	1.54	1.50	-2.6%	
ES PCB-188	31.50	3.37E+07	1.06 Y	1.63	1.57	-3.4%	
ES PCB-189	42.00	2.52E+07	1.06 Y	1.97	1.98	0.6%	
ES PCB-202	36.00	2.63E+07	0.91 Y	1.26	1.23	-2.7%	
ES PCB-205	44.16	1.55E+07	0.88 Y	1.22	1.22	-0.4%	
ES PCB-206	45.63	1.38E+07	0.77 Y	1.10	1.09	-1.3%	
ES PCB-208	41.60	1.79E+07	0.78 Y	1.41	1.41	-0.1%	
ES PCB-209	46.97	1.57E+07	1.16 Y	1.24	1.23	-1.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16		
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	4.73E+07	1.10 Y	1.18	1.20	1.8%	
SS PCB-111	29.15	2.42E+07	1.52 Y	1.01	1.03	2.4%	
SS PCB-178	34.06	2.05E+07	1.04 Y	0.60	0.61	1.0%	
CS PCB-28	19.56	4.73E+07	1.10 Y	1.52	1.53	0.6%	
CS PCB-111	29.15	2.42E+07	1.52 Y	1.15	1.16	0.8%	
CS PCB-178	34.06	2.05E+07	1.04 Y	0.98	0.95	-2.5%	
JS PCB-9	13.65	6.48E+07	1.62 Y	-	-	-	
JS PCB-52	21.10	3.09E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	2.09E+07	1.49 Y	-	-	-	
JS PCB-138	33.66	2.14E+07	1.33 Y	-	-	-	
JS PCB-194	43.76	1.27E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.83	7.57E+05	2.83 Y	1.25	1.21	-3.3%	
PCB-3 4-MoCB	11.73	7.08E+05	2.79 Y	1.27	1.22	-3.6%	
PCB-4 22'-DiCB	11.94	4.02E+05	1.36 Y	0.90	0.90	-0.3%	
PCB-15 44'-DiCB	17.00	7.01E+05	1.33 Y	1.10	1.13	3.5%	
PCB-19 22'6'-TrCB	14.62	2.97E+05	1.03 Y	0.95	0.88	-6.7%	
PCB-37 344'-TrCB	22.95	5.17E+05	1.09 Y	1.39	1.31	-5.6%	
PCB-54 22'66'-TeCB	17.24	4.42E+05	0.79 Y	1.05	1.00	-5.0%	
PCB-104 22'466'-PeCB	21.93	4.27E+05	0.62 Y	1.12	1.07	-4.2%	
PCB-153/168 ...-HxCB	32.67	5.84E+05	1.24 Y	1.24	1.20	-2.7%	
PCB-155 22'44'66'-HxCB	26.73	3.89E+05	1.20 Y	1.09	1.09	-0.1%	
PCB-170 22'33'44'5'-HpCB	39.39	1.52E+05	0.98 Y	0.99	0.94	-5.3%	
PCB-180/193 ...-HpCB	38.32	4.27E+05	1.08 Y	1.07	1.12	4.5%	
PCB-188 22'34'566'-HpCB	31.52	3.25E+05	1.19 Y	0.98	0.97	-1.7%	
PCB-202 22'33'55'66'-OxCB	36.02	2.36E+05	0.83 Y	0.86	0.90	3.6%	
PCB-205 233'44'55'6'-OxCB	44.18	1.72E+05	0.87 Y	1.13	1.11	-1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.86E+05	0.71 Y	1.03	1.04	0.8%	
PCB-206 22'33'44'55'6'-NoCB	45.65	1.33E+05	0.69 Y	0.97	0.96	-0.8%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.83	7.57E+05	2.83 Y	1.25	1.21	-3.3%	
PCB-2 3-MoCB	11.58	7.05E+05	3.17 Y	1.28	1.21	-4.9%	
PCB-3 4-MoCB	11.73	7.08E+05	2.79 Y	1.27	1.22	-3.6%	
PCB-4 22'-DiCB	11.94	4.02E+05	1.36 Y	0.90	0.90	-0.3%	
PCB-10 26'-DiCB	12.10	5.94E+05	1.53 Y	1.38	1.32	-4.1%	
PCB-9 25'-DiCB	13.66	6.24E+05	1.47 Y	0.99	1.01	2.2%	
PCB-7 24'-DiCB	13.80	6.72E+05	1.71 Y	1.10	1.09	-1.5%	
PCB-6 23'-DiCB	14.00	6.62E+05	1.36 Y	1.04	1.07	3.1%	
PCB-5 23'-DiCB	14.26	6.29E+05	1.59 Y	1.02	1.02	-0.7%	
PCB-8 24'-DiCB	14.37	6.02E+05	1.39 Y	1.03	0.97	-5.7%	
PCB-14 35'-DiCB	15.77	7.61E+05	1.47 Y	1.20	1.23	2.5%	
PCB-11 33'-DiCB	16.48	6.57E+05	1.48 Y	1.03	1.06	3.4%	
PCB-13/12 34'/34'-DiCB	16.74	1.18E+06	1.48 Y	1.03	0.96	-7.6%	
PCB-15 44'-DiCB	17.00	7.01E+05	1.33 Y	1.10	1.13	3.5%	
PCB-19 22'6'-TrCB	14.62	2.97E+05	1.03 Y	0.95	0.88	-6.7%	
PCB-30/18 246'/22'5'-TrCB	16.21	7.25E+05	1.00 Y	1.23	1.08	-12.5%	
PCB-17 22'4'-TrCB	16.57	3.48E+05	1.07 Y	1.05	1.03	-1.9%	
PCB-27 23'6'-TrCB	16.75	4.46E+05	1.06 Y	1.46	1.33	-9.5%	
PCB-24 236'-TrCB	16.87	4.22E+05	1.02 Y	1.32	1.25	-5.1%	
PCB-16 22'3'-TrCB	16.95	2.62E+05	1.00 Y	0.81	0.78	-3.7%	
PCB-32 24'6'-TrCB	17.40	4.79E+05	1.06 Y	1.48	1.42	-3.6%	
PCB-34 23'5'-TrCB	18.48	5.40E+05	1.01 Y	1.46	1.37	-6.3%	
PCB-23 235'-TrCB	18.61	5.73E+05	1.10 Y	1.50	1.45	-3.3%	
PCB-26/29 23'5'/245'-TrCB	18.88	1.17E+06	1.04 Y	1.53	1.48	-2.9%	
PCB-25 23'4'-TrCB	19.07	6.05E+05	1.15 Y	1.53	1.53	0.0%	
PCB-31 24'5'-TrCB	19.33	5.97E+05	1.00 Y	1.55	1.51	-2.4%	
PCB-28/20 244'/233'-TrCB	19.59	1.17E+06	1.06 Y	1.51	1.48	-1.6%	
PCB-21/33 234'/23'4'-TrCB	19.75	1.22E+06	1.00 Y	1.55	1.55	0.1%	
PCB-22 234'-TrCB	20.10	5.44E+05	1.07 Y	1.40	1.38	-1.3%	
PCB-36 33'5'-TrCB	21.43	5.81E+05	1.11 Y	1.52	1.47	-2.9%	
PCB-39 34'5'-TrCB	21.73	6.17E+05	1.00 Y	1.58	1.57	-1.1%	
PCB-38 345'-TrCB	22.22	5.57E+05	1.08 Y	1.47	1.41	-3.7%	
PCB-35 33'4'-TrCB	22.61	4.81E+05	1.05 Y	1.33	1.22	-8.5%	
PCB-37 344'-TrCB	22.95	5.17E+05	1.09 Y	1.39	1.31	-5.6%	
PCB-54 22'66'-TeCB	17.24	4.42E+05	0.79 Y	1.05	1.00	-5.0%	
PCB-50/53 22'46'/22'56'-TeCB	19.10	6.13E+05	0.75 Y	0.88	0.94	6.9%	
PCB-45 22'36'-TeCB	19.64	2.33E+05	0.76 Y	0.73	0.71	-2.8%	
PCB-51 22'46'-TeCB	19.71	3.28E+05	0.75 Y	0.94	1.00	7.0%	
PCB-46 22'36'-TeCB	19.91	2.44E+05	0.72 Y	0.72	0.75	4.2%	
PCB-52 22'55'-TeCB	21.13	2.72E+05	0.79 Y	0.82	0.83	0.9%	
PCB-73 23'5'6'-TeCB	21.25	3.71E+05	0.77 Y	1.10	1.13	3.0%	
PCB-43 22'35'-TeCB	21.33	2.32E+05	0.73 Y	0.70	0.71	0.7%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	6.63E+05	0.74 Y	1.01	1.01	0.6%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16		
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12				
Acquired:	14-DEC-2012 03:21					
Datafile:	121214V03					
Name	RT	Response	RA	ICAL	RRF	Dev'n
PCB-48 22'45'-TeCB	21.78	2.73E+05	0.77 Y	0.84	0.84	-0.9%
PCB-44/47/65 ...-TeCB	21.98	9.01E+05	0.76 Y	0.90	0.92	1.9%
PCB-59/62/75 ...-TeCB	22.25	1.12E+06	0.72 Y	1.15	1.14	-1.0%
PCB-42 22'34'-TeCB	22.40	2.55E+05	0.69 Y	0.76	0.78	2.1%
PCB-41 22'34'-TeCB	22.71	2.06E+05	0.68 Y	0.64	0.63	-1.7%
PCB-71/40 23'4'6/22'33'-TeCB	22.81	5.79E+05	0.79 Y	0.83	0.89	6.3%
PCB-64 23'4'6'-TeCB	23.00	3.83E+05	0.76 Y	1.17	1.17	-0.3%
PCB-72 23'55'-TeCB	23.73	4.38E+05	0.69 Y	1.37	1.34	-2.1%
PCB-68 23'45'-TeCB	23.97	5.52E+05	0.79 Y	1.52	1.69	11.3%
PCB-57 23'3'5'-TeCB	24.32	4.56E+05	0.77 Y	1.32	1.40	5.4%
PCB-58 23'3'5'-TeCB	24.52	4.44E+05	0.78 Y	1.34	1.36	1.6%
PCB-67 23'45'-TeCB	24.66	4.61E+05	0.77 Y	1.41	1.41	-0.1%
PCB-63 23'4'5'-TeCB	24.88	4.96E+05	0.84 Y	1.46	1.52	4.1%
PCB-61/70/74/76 ...-TeCB	25.16	1.82E+06	0.78 Y	1.37	1.39	2.0%
PCB-66 23'44'-TeCB	25.44	4.11E+05	0.73 Y	1.24	1.26	1.2%
PCB-55 23'3'4'-TeCB	25.57	4.13E+05	0.73 Y	1.28	1.26	-1.1%
PCB-56 23'3'4'-TeCB	25.99	4.21E+05	0.76 Y	1.23	1.29	4.7%
PCB-60 23'44'-TeCB	26.17	4.32E+05	0.72 Y	1.30	1.32	1.9%
PCB-80 33'55'-TeCB	26.54	4.89E+05	0.77 Y	1.44	1.50	4.2%
PCB-79 33'45'-TeCB	27.81	4.75E+05	0.80 Y	1.48	1.45	-1.5%
PCB-78 33'45'-TeCB	28.27	4.15E+05	0.75 Y	1.21	1.27	5.0%
PCB-104 22'466'-PeCB	21.93	4.27E+05	0.62 Y	1.12	1.07	-4.2%
PCB-96 22'366'-PeCB	22.22	3.48E+05	0.66 Y	0.96	0.87	-9.3%
PCB-103 22'45'6'-PeCB	23.88	2.32E+05	0.61 Y	0.93	0.99	6.1%
PCB-94 22'356'-PeCB	24.05	2.21E+05	0.63 Y	0.81	0.94	16.5%
PCB-95 22'35'6'-PeCB	24.42	2.00E+05	0.77 N	0.85	0.85	0.0%
PCB-100/93 22'44'6/22'356'-PeCB	24.62	4.36E+05	0.63 Y	0.88	0.93	5.0%
PCB-102 22'456'-PeCB	24.74	2.52E+05	0.65 Y	0.93	1.07	15.2%
PCB-98 22'34'6'-PeCB	24.80	1.87E+05	0.69 Y	0.84	0.80	-5.0%
PCB-88 22'346'-PeCB	25.08	1.84E+05	0.63 Y	0.77	0.78	1.6%
PCB-91 22'34'6'-PeCB	25.15	2.29E+05	0.66 Y	0.96	0.97	1.5%
PCB-84 22'33'6'-PeCB	25.33	1.72E+05	0.66 Y	0.72	0.73	1.5%
PCB-89 22'346'-PeCB	25.73	2.02E+05	0.69 Y	0.77	0.86	11.4%
PCB-121 23'45'6'-PeCB	26.11	2.73E+05	0.56 Y	1.15	1.16	1.4%
PCB-92 22'355'-PeCB	26.42	1.97E+05	0.65 Y	0.79	0.84	5.5%
PCB-113/90/101 ...-PeCB	26.88	6.95E+05	0.61 Y	0.95	0.99	3.2%
PCB-83 22'33'5'-PeCB	27.29	1.77E+05	0.64 Y	0.72	0.75	4.5%
PCB-99 22'44'5'-PeCB	27.40	2.15E+05	0.68 Y	0.90	0.91	2.1%
PCB-112 23'3'56'-PeCB	27.49	2.84E+05	0.64 Y	1.09	1.21	10.6%
PCB-109/119/86/97/125...-PeCB	27.82	1.35E+06	0.64 Y	0.95	0.96	1.1%
PCB-117 23'4'56'-PeCB	28.34	2.50E+05	0.64 Y	0.99	1.07	7.5%
PCB-116/85 23'456/22'344'-PeCB	28.42	4.28E+05	0.65 Y	0.96	0.91	-5.1%
PCB-110 23'3'4'6'-PeCB	28.55	2.77E+05	0.66 Y	1.01	1.18	16.8%

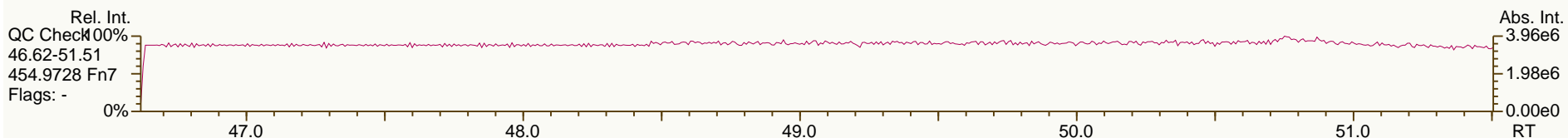
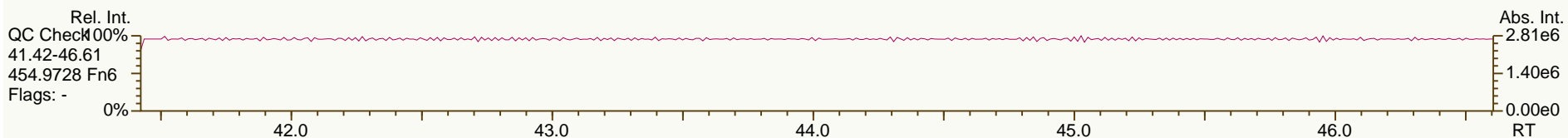
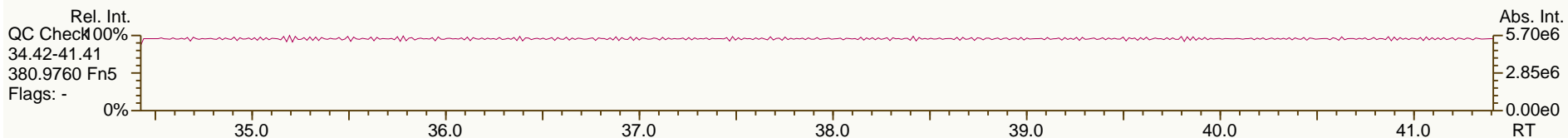
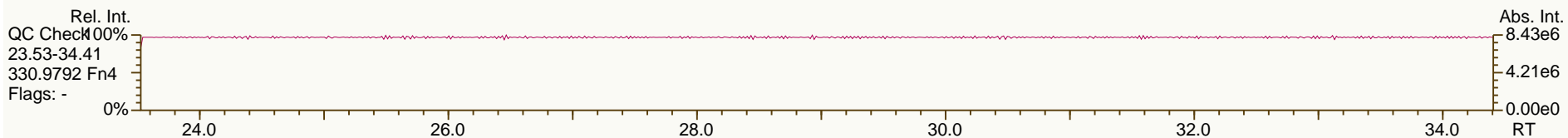
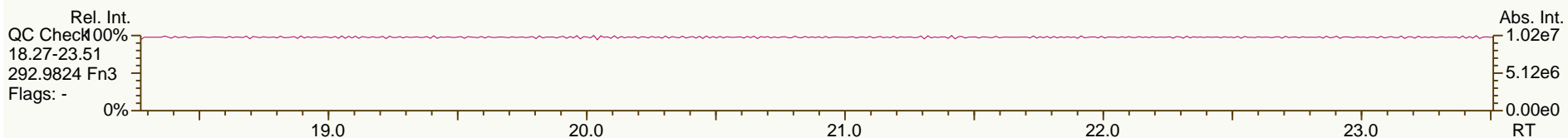
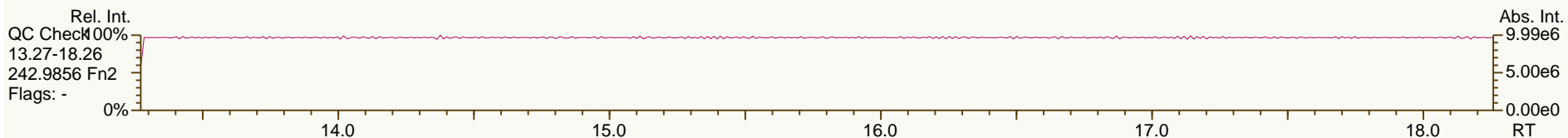
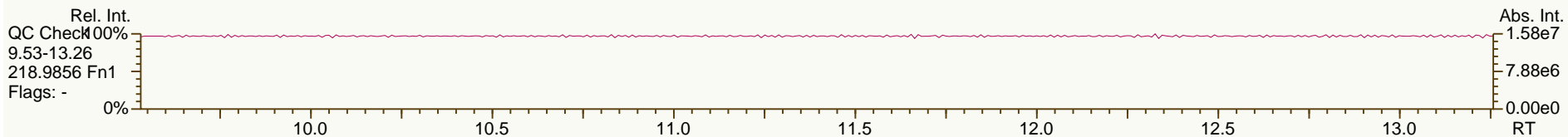
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Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.62	2.40E+05	0.63 Y	1.15	1.02	-11.1%	
PCB-82 22'33'4'-PeCB	28.81	1.67E+05	0.63 Y	0.70	0.71	1.8%	
PCB-111 233'55'-PeCB	29.17	2.75E+05	0.61 Y	1.16	1.17	0.7%	
PCB-120 23'455'-PeCB	29.55	2.70E+05	0.63 Y	1.14	1.15	1.1%	
PCB-108/124 ...-PeCB	30.49	4.76E+05	0.65 Y	1.02	1.01	-0.6%	
PCB-107 233'4'5'-PeCB	30.69	2.69E+05	0.68 Y	1.13	1.14	0.9%	
PCB-106 233'45'-PeCB	30.89	2.33E+05	0.68 Y	1.01	0.99	-2.1%	
PCB-122 233'4'5'-PeCB	31.35	2.17E+05	0.63 Y	0.91	0.89	-2.1%	
PCB-127 33'455'-PeCB	33.30	2.33E+05	0.63 Y	1.06	1.01	-3.9%	
PCB-155 22'44'66'-HxCB	26.73	3.89E+05	1.20 Y	1.09	1.09	-0.1%	
PCB-152 22'3566'-HxCB	26.87	3.55E+05	1.37 Y	1.04	1.00	-4.4%	
PCB-150 22'34'66'-HxCB	27.01	3.54E+05	1.33 Y	1.03	0.99	-3.5%	
PCB-136 22'33'66'-HxCB	27.30	3.46E+05	1.23 Y	0.97	0.97	-0.3%	
PCB-145 22'3466'-HxCB	27.56	3.18E+05	1.17 Y	0.96	0.89	-7.3%	
PCB-148 22'34'56'-HxCB	28.85	2.64E+05	1.29 Y	1.03	1.09	5.3%	
PCB-151/135 ...-HxCB	29.35	4.93E+05	1.23 Y	0.99	1.02	2.3%	
PCB-154 22'44'56'-HxCB	29.56	2.72E+05	1.17 Y	1.17	1.12	-4.4%	
PCB-144 22'345'6'-HxCB	29.81	2.74E+05	1.30 Y	1.03	1.13	9.8%	
PCB-147/149 ...-HxCB	30.11	5.15E+05	1.14 Y	1.02	1.06	4.3%	
PCB-134 22'33'56'-HxCB	30.27	1.97E+05	1.28 Y	0.80	0.81	1.3%	
PCB-143 22'3456'-HxCB	30.35	2.20E+05	1.15 Y	0.95	0.91	-4.2%	
PCB-139/140 ...-HxCB	30.61	4.87E+05	1.18 Y	1.05	1.00	-4.4%	
PCB-131 22'33'46'-HxCB	30.77	2.13E+05	1.21 Y	0.90	0.88	-1.8%	
PCB-142 22'3456'-HxCB	30.90	2.28E+05	1.28 Y	0.93	0.94	1.6%	
PCB-132 22'33'46'-HxCB	31.15	2.08E+05	1.24 Y	0.93	0.86	-8.0%	
PCB-133 22'33'55'-HxCB	31.60	2.44E+05	1.17 Y	0.97	1.00	3.7%	
PCB-165 233'55'6'-HxCB	31.93	2.90E+05	1.32 Y	1.16	1.20	3.0%	
PCB-146 22'34'55'-HxCB	32.14	2.46E+05	1.34 Y	1.01	1.01	0.3%	
PCB-161 233'45'6'-HxCB	32.25	2.93E+05	1.15 Y	1.29	1.21	-6.7%	
PCB-153/168 ...-HxCB	32.67	5.84E+05	1.24 Y	1.24	1.20	-2.7%	
PCB-141 22'3455'-HxCB	32.80	2.54E+05	1.24 Y	0.95	1.05	10.3%	
PCB-130 22'33'45'-HxCB	33.15	1.99E+05	1.17 Y	0.82	0.82	-0.4%	
PCB-137 22'344'5'-HxCB	33.33	2.15E+05	1.57 N	0.97	0.89	-8.5%	
PCB-164 233'4'5'6'-HxCB	33.42	2.99E+05	1.23 Y	1.25	1.23	-1.4%	
PCB-163/138/129 ...-HxCB	33.70	7.01E+05	1.24 Y	1.04	0.96	-7.5%	
PCB-160 233'456'-HxCB	33.82	2.98E+05	1.20 Y	1.19	1.23	3.0%	
PCB-158 233'44'6'-HxCB	34.02	3.10E+05	1.13 Y	1.34	1.28	-4.7%	
PCB-128/166 ...-HxCB	34.73	3.96E+05	1.31 Y	0.96	0.94	-1.8%	
PCB-159 233'455'-HxCB	35.58	2.47E+05	1.32 Y	1.12	1.18	5.0%	
PCB-162 233'4'55'-HxCB	35.82	2.39E+05	1.28 Y	1.13	1.14	1.0%	
PCB-188 22'34'566'-HpCB	31.52	3.25E+05	1.19 Y	0.98	0.97	-1.7%	
PCB-179 22'33'566'-HpCB	31.79	3.14E+05	1.13 Y	0.90	0.93	4.1%	
PCB-184 22'344'66'-HpCB	32.25	2.84E+05	1.09 Y	0.86	0.84	-2.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS1_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 03:21						
Datafile:	121214V03						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	3.32E+05	0.98 Y	0.97	0.99	1.9%	
PCB-186 22'34'566'-HpCB	32.91	3.41E+05	1.03 Y	0.93	1.01	9.3%	
PCB-178 22'33'55'6'-HpCB	34.08	2.33E+05	1.00 Y	0.66	0.69	4.5%	
PCB-175 22'33'45'6'-HpCB	34.61	1.90E+05	0.89 Y	1.02	1.00	-2.8%	
PCB-187 22'34'55'6'-HpCB	34.84	2.03E+05	1.03 Y	1.03	1.07	3.7%	
PCB-182 22'344'56'-HpCB	35.01	2.13E+05	1.12 Y	1.10	1.11	1.6%	
PCB-183 22'344'5'6'-HpCB	35.36	2.48E+05	1.16 Y	1.12	1.30	15.4%	
PCB-185 22'3455'6'-HpCB	35.43	1.63E+05	1.07 Y	0.97	0.86	-11.7%	
PCB-174 22'33'456'-HpCB	35.54	1.80E+05	0.96 Y	0.90	0.94	5.3%	
PCB-177 22'33'45'6'-HpCB	35.91	1.55E+05	0.97 Y	0.87	0.81	-6.8%	
PCB-181 22'344'56'-HpCB	36.24	2.16E+05	1.11 Y	1.03	1.13	9.3%	
PCB-171/173 ...-HpCB	36.42	3.40E+05	1.14 Y	0.89	0.89	0.4%	
PCB-172 22'33'455'-HpCB	37.80	1.68E+05	1.11 Y	0.87	0.88	0.7%	
PCB-192 233'455'6'-HpCB	38.04	2.29E+05	1.02 Y	1.16	1.20	3.4%	
PCB-180/193 ...-HpCB	38.32	4.27E+05	1.08 Y	1.07	1.12	4.5%	
PCB-191 233'44'5'6'-HpCB	38.65	2.30E+05	1.06 Y	1.18	1.20	1.7%	
PCB-170 22'33'44'5'-HpCB	39.39	1.52E+05	0.98 Y	0.99	0.94	-5.3%	
PCB-190 233'44'56'-HpCB	39.84	2.09E+05	1.09 Y	1.36	1.30	-4.5%	
PCB-202 22'33'55'66'-OcCB	36.02	2.36E+05	0.83 Y	0.86	0.90	3.6%	
PCB-201 22'33'45'66'-OcCB	36.80	2.67E+05	0.76 Y	0.95	1.02	7.0%	
PCB-204 22'344'566'-OcCB	37.37	2.09E+05	0.83 Y	0.90	0.79	-12.2%	
PCB-197 22'33'44'66'-OcCB	37.56	2.74E+05	0.93 Y	0.96	1.04	8.5%	
PCB-200 22'33'4566'-OcCB	37.63	2.11E+05	0.97 Y	0.88	0.80	-9.2%	
PCB-198/199 ...-OcCB	39.98	3.06E+05	0.84 Y	0.63	0.58	-7.7%	
PCB-196 22'33'44'56'-OcCB	40.54	1.62E+05	0.79 Y	0.66	0.62	-7.0%	
PCB-203 22'344'55'6'-OcCB	40.71	1.86E+05	0.88 Y	0.69	0.71	1.6%	
PCB-195 22'33'44'56'-OcCB	41.81	1.20E+05	0.86 Y	0.82	0.77	-6.5%	
PCB-194 22'33'44'55'-OcCB	43.79	1.38E+05	0.90 Y	0.90	0.89	-1.2%	
PCB-205 233'44'55'6'-OcCB	44.18	1.72E+05	0.87 Y	1.13	1.11	-1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.86E+05	0.71 Y	1.03	1.04	0.8%	
PCB-207 22'33'44'566'-NoCB	42.41	1.95E+05	0.71 Y	1.07	1.09	1.9%	
PCB-206 22'33'44'55'6'-NoCB	45.65	1.33E+05	0.69 Y	0.97	0.96	-0.8%	

SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

Acq: 14-Dec-2012 03:21:15
 User: CEM Datafile: 121214V03 (EQ)



SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

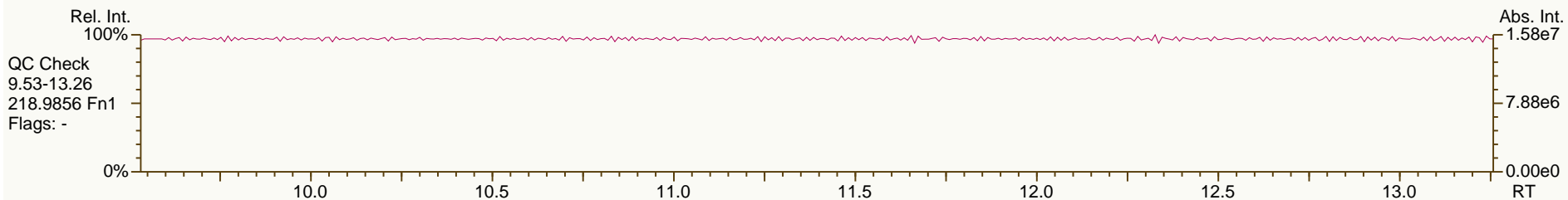
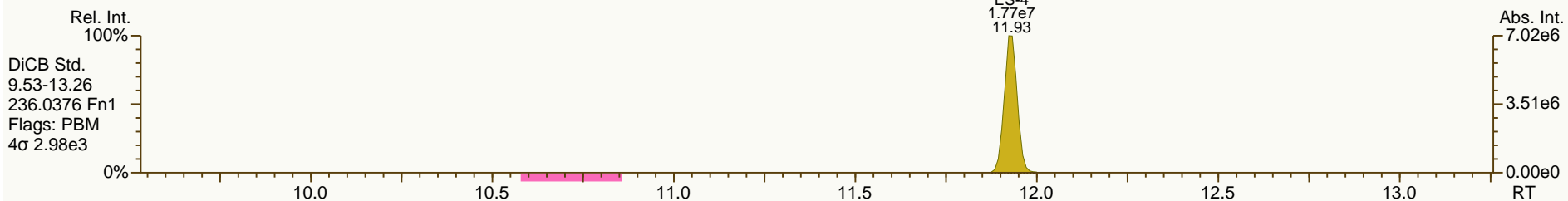
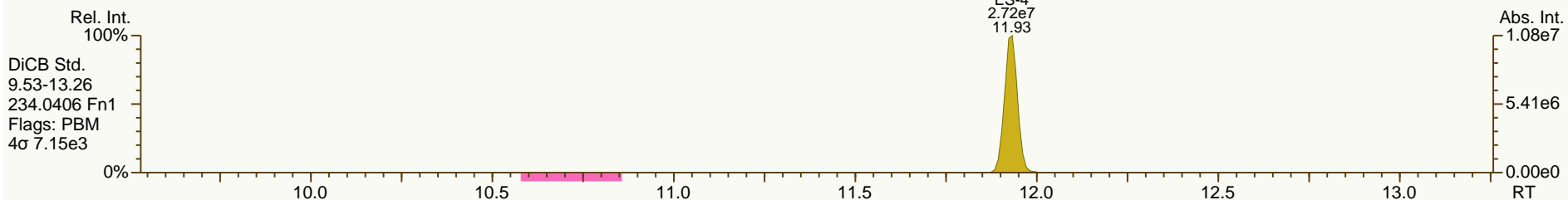
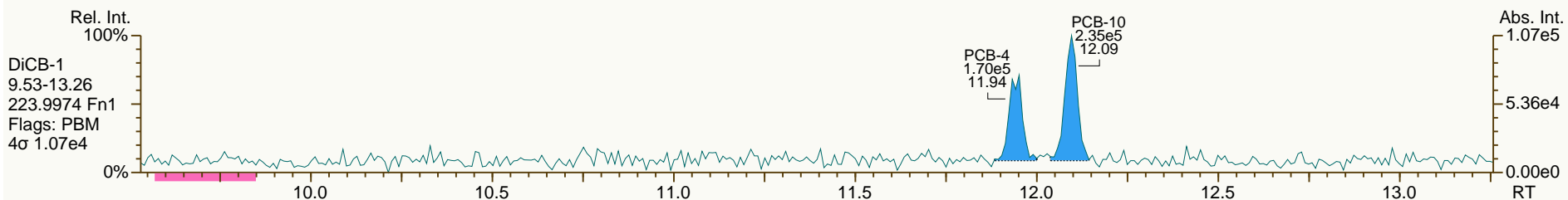
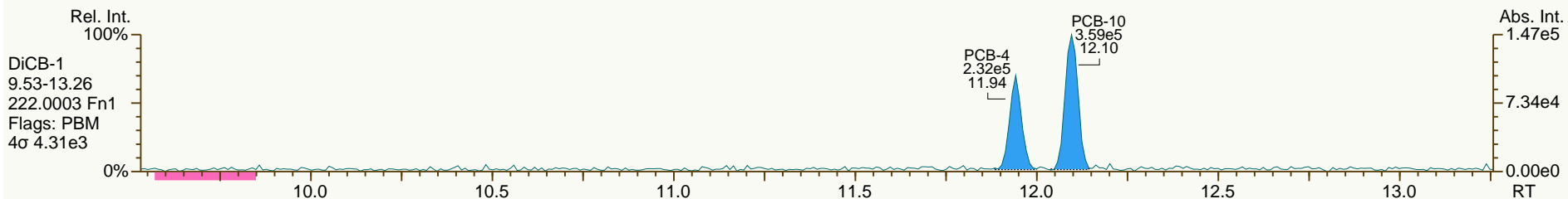
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

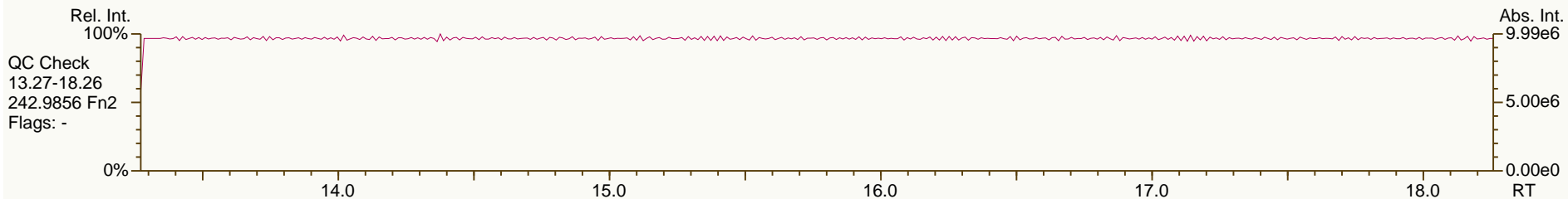
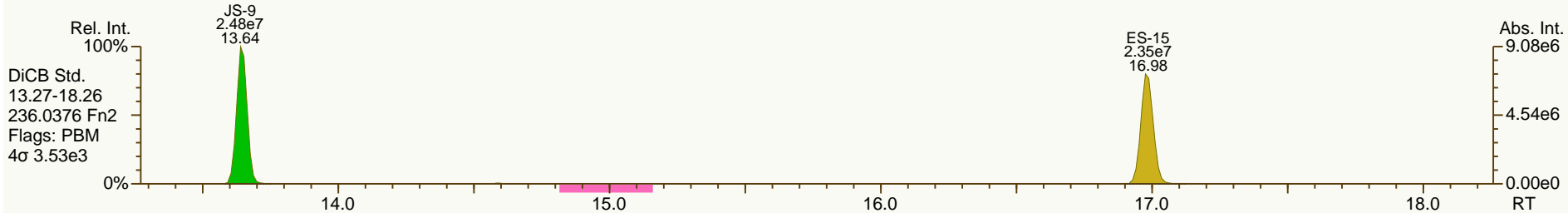
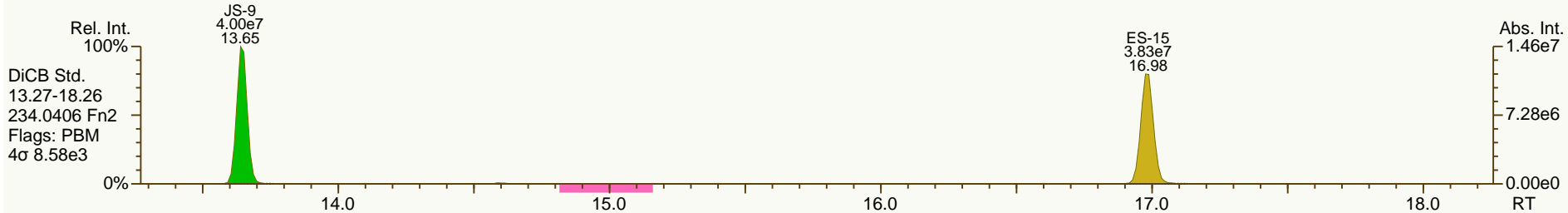
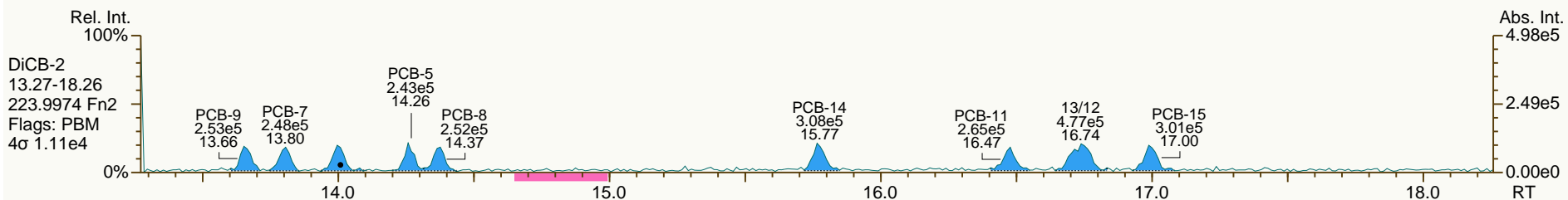
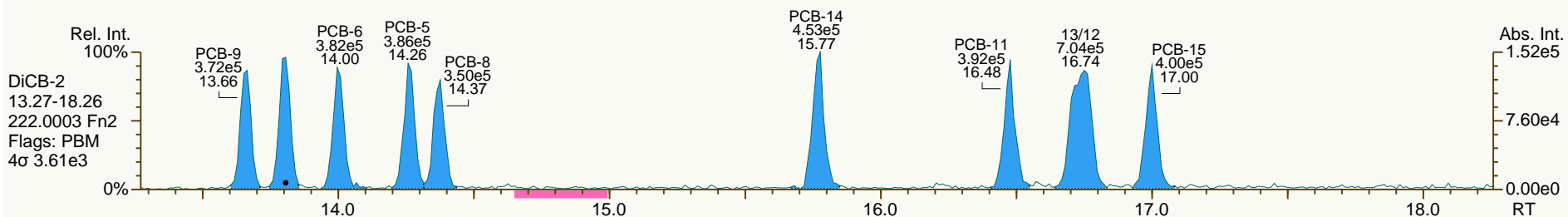
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User: CEM Datafile: 121214V03 (EQ)



SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

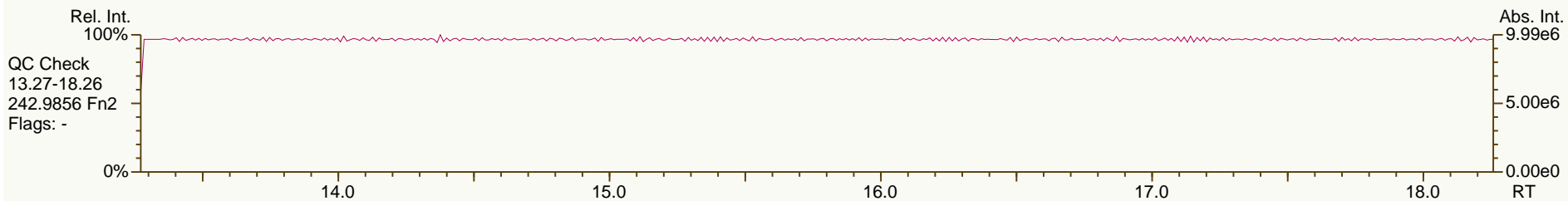
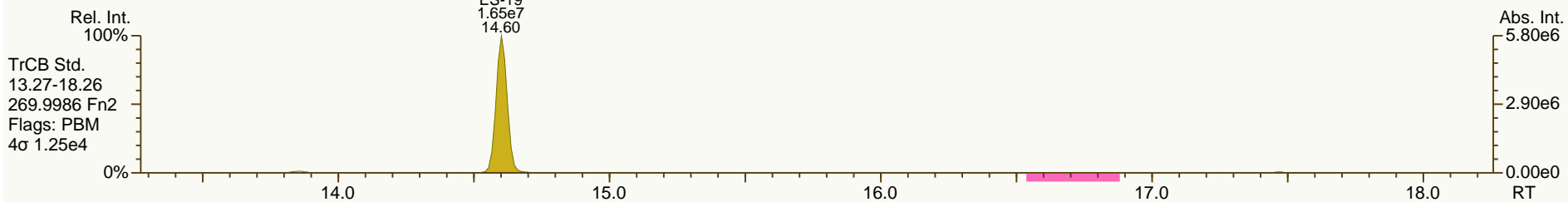
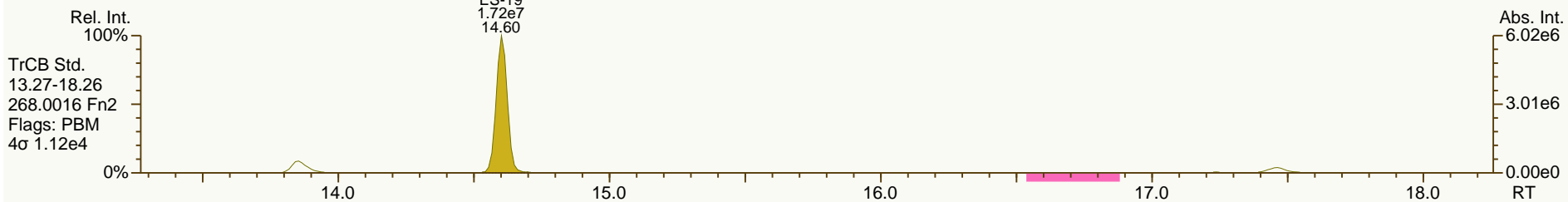
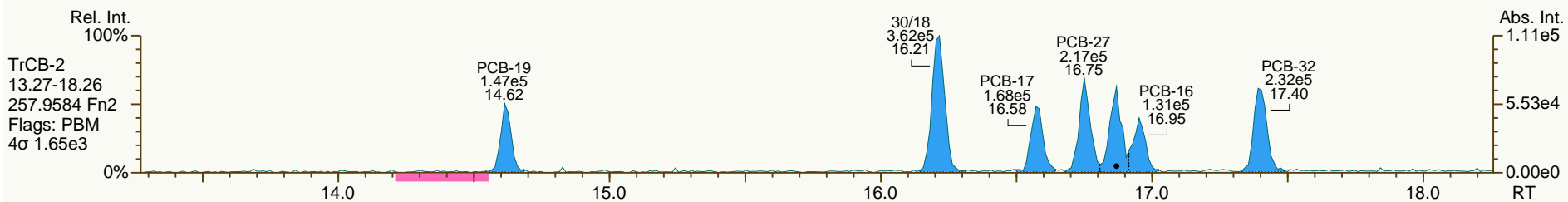
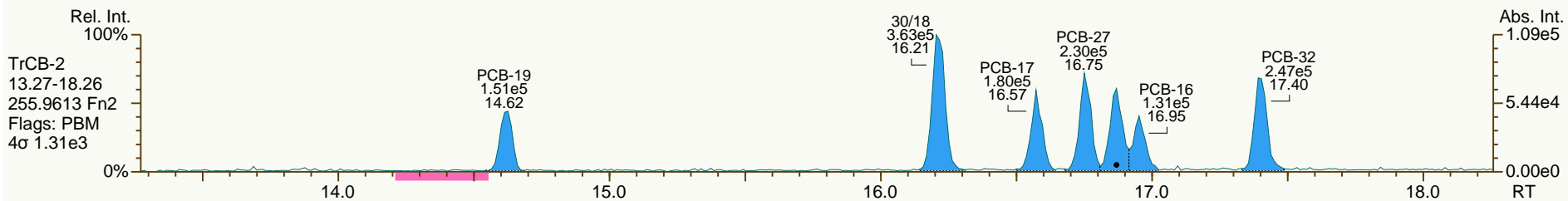
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 User: CEM Datafile: 121214V03 (EQ)



SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

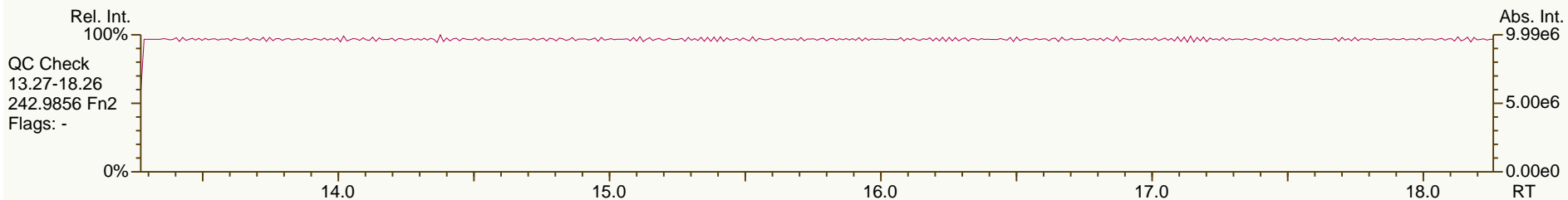
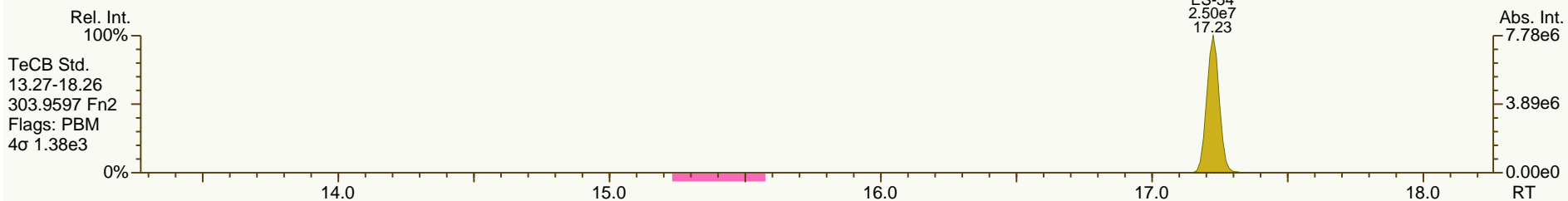
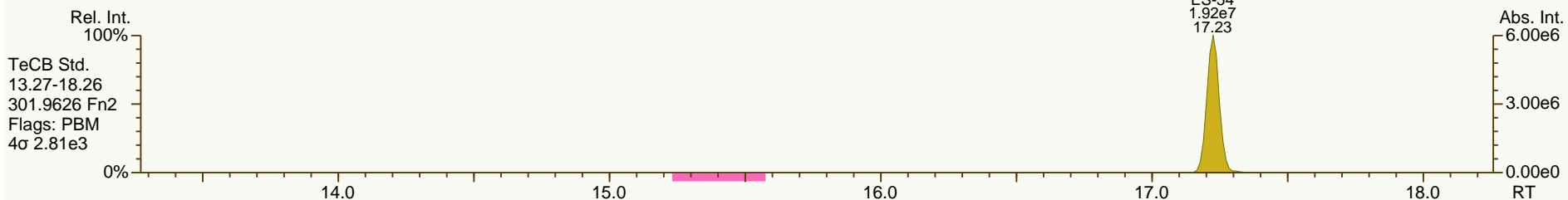
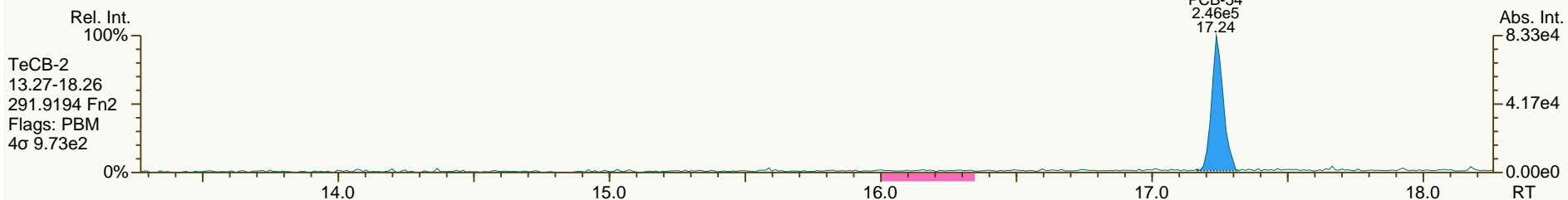
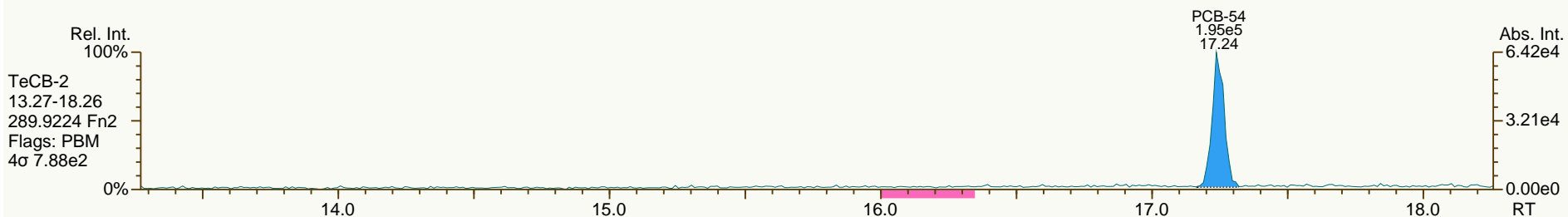
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

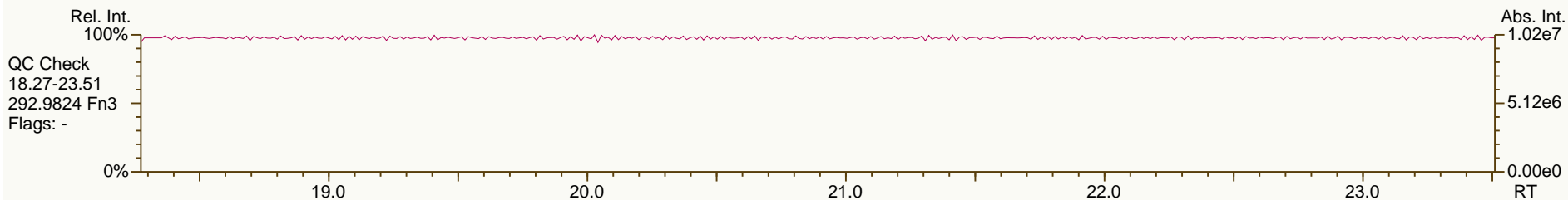
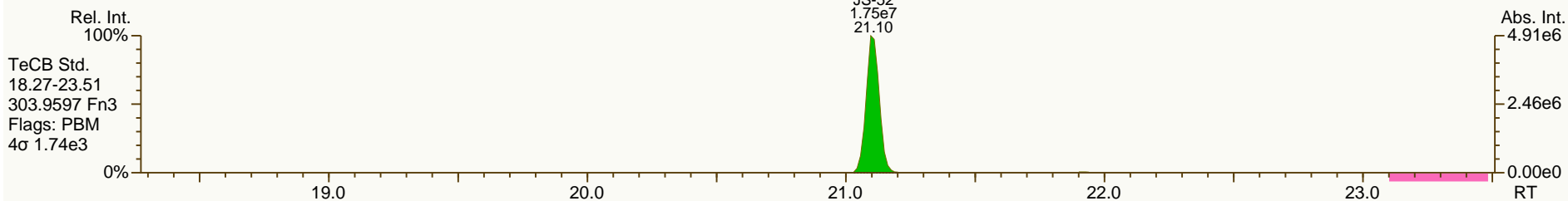
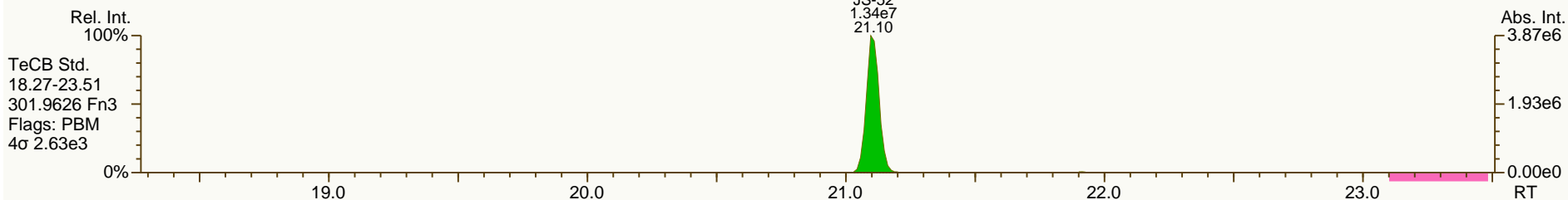
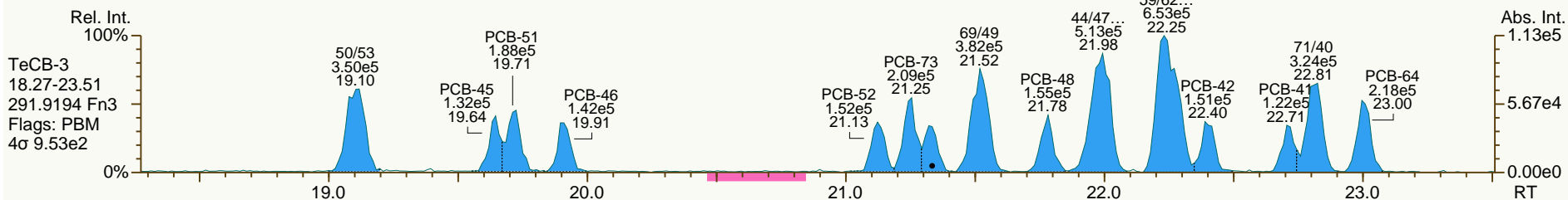
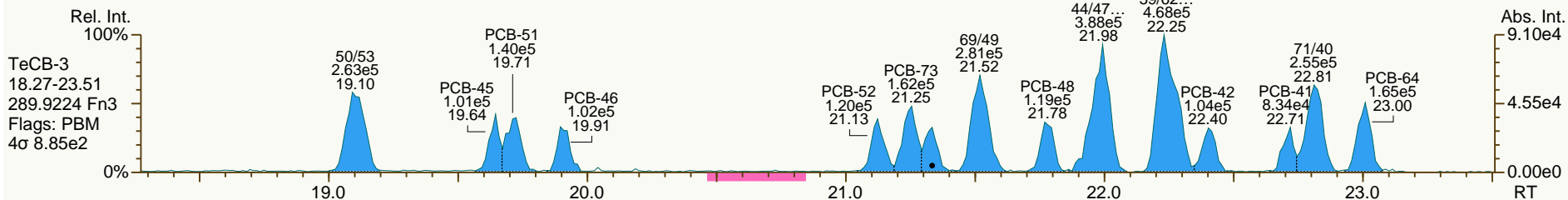
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

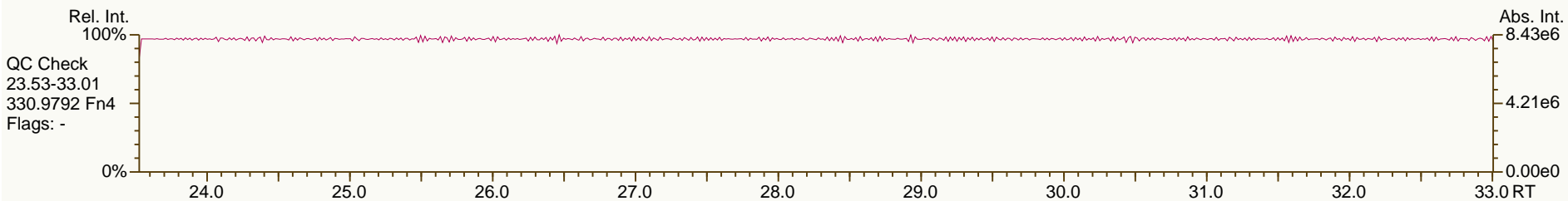
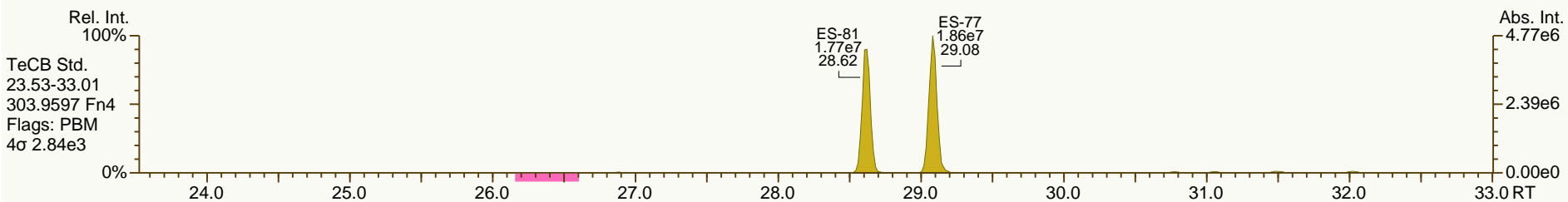
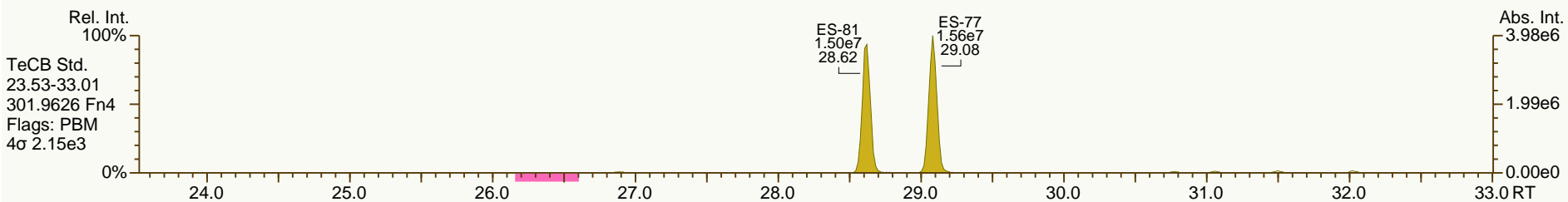
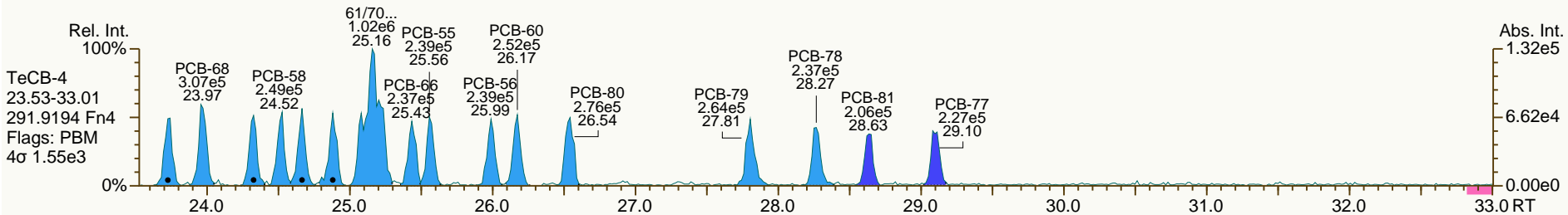
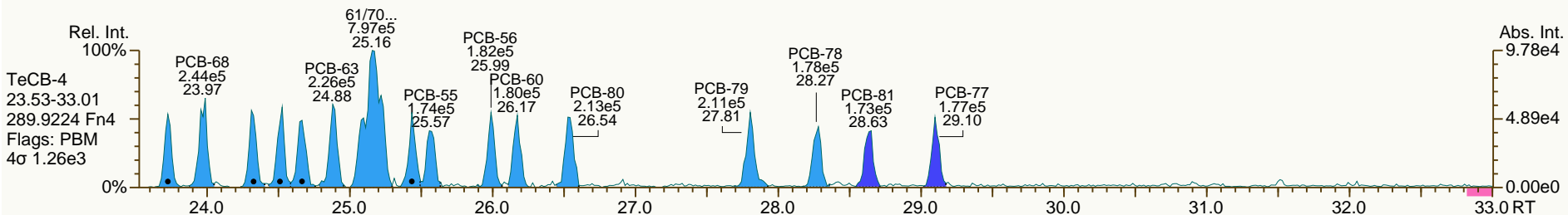
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

Acq: 14-Dec-2012 03:21:15
 User: CEM Datafile: 121214V03 (EQ)



SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

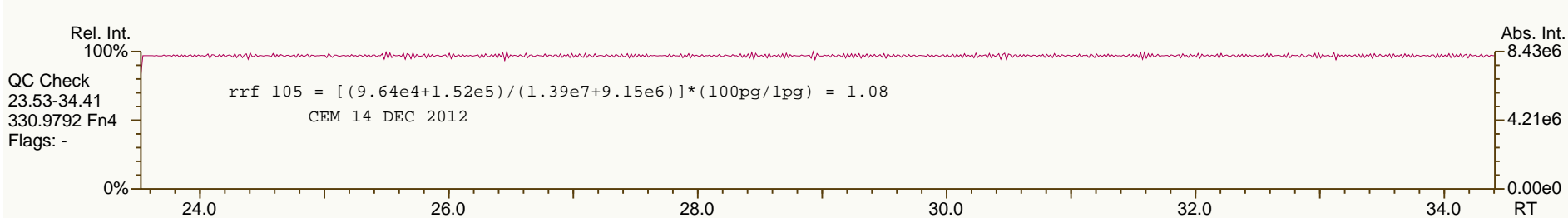
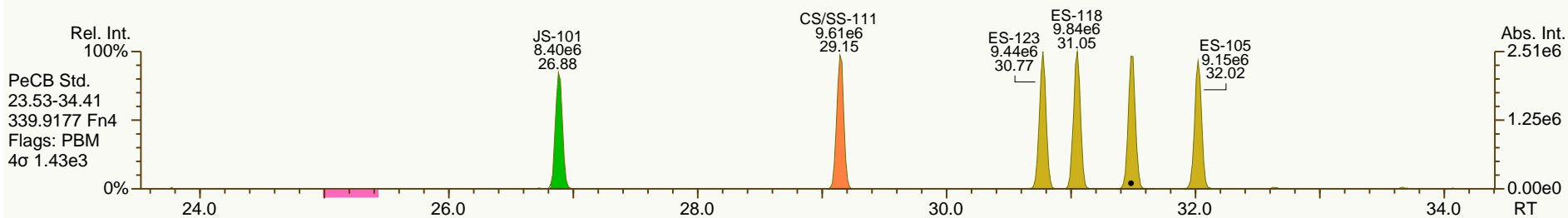
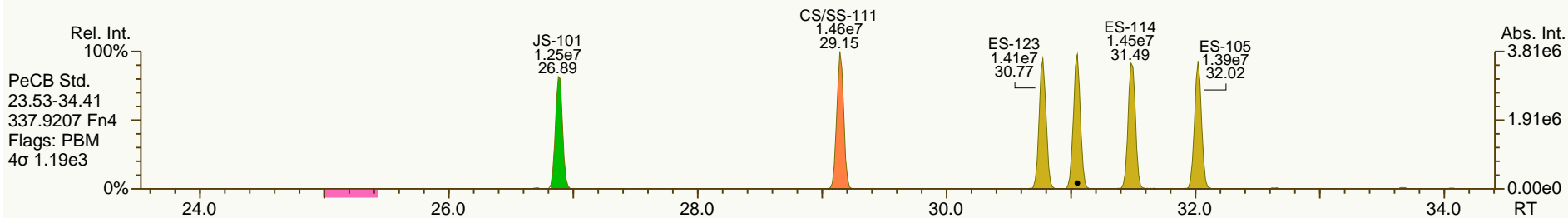
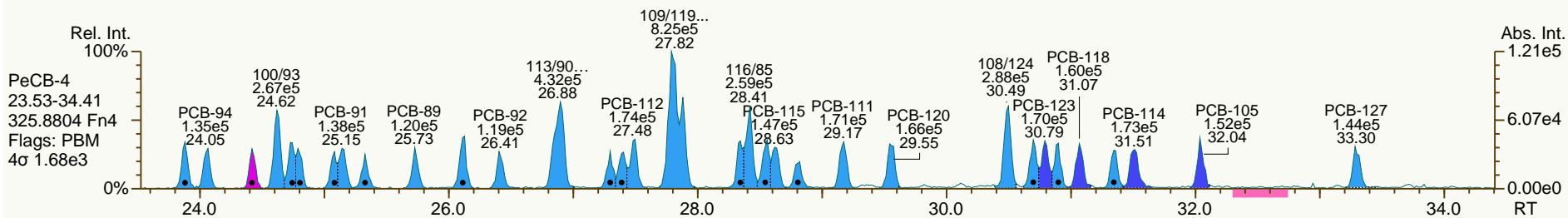
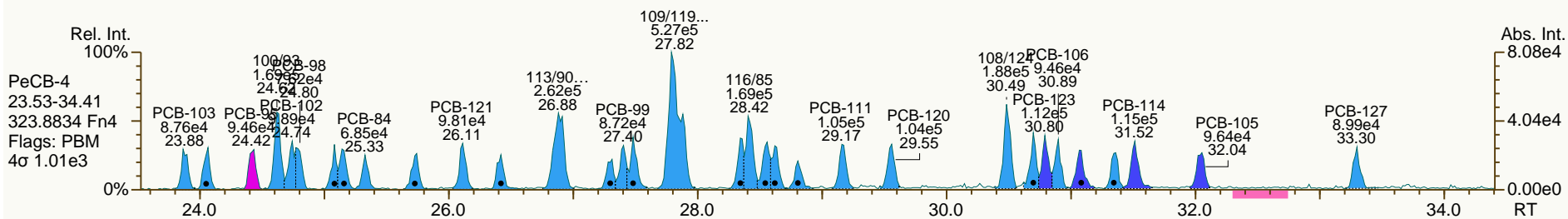
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

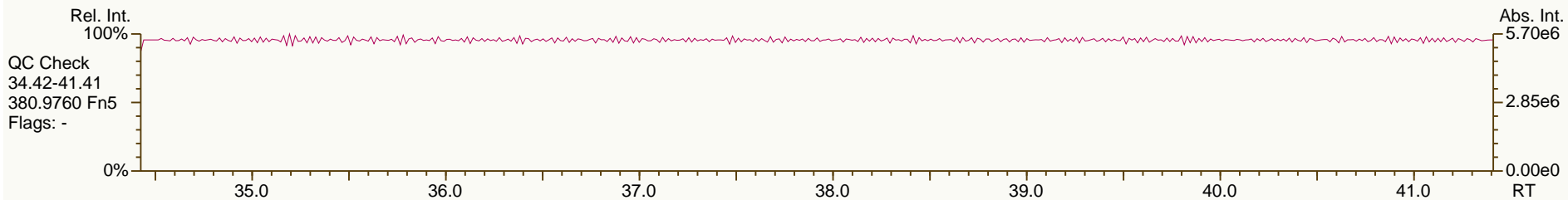
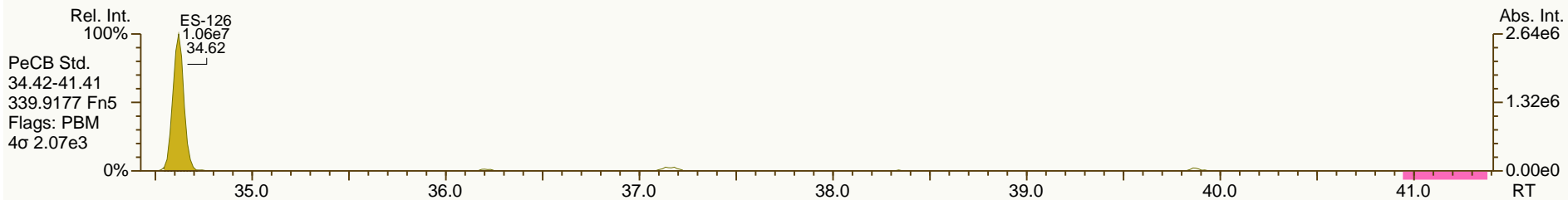
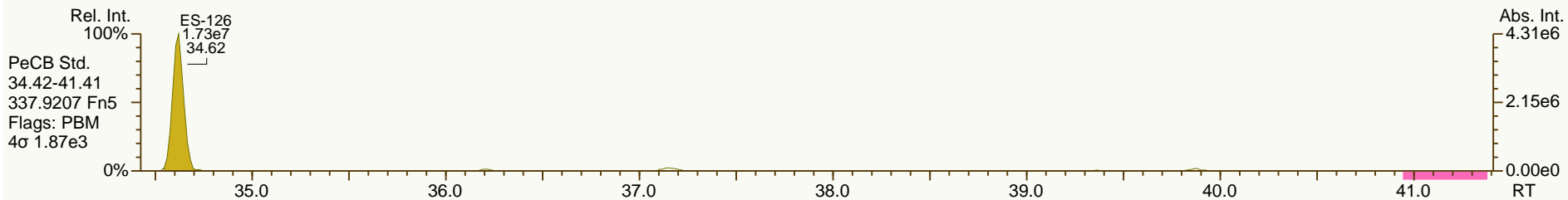
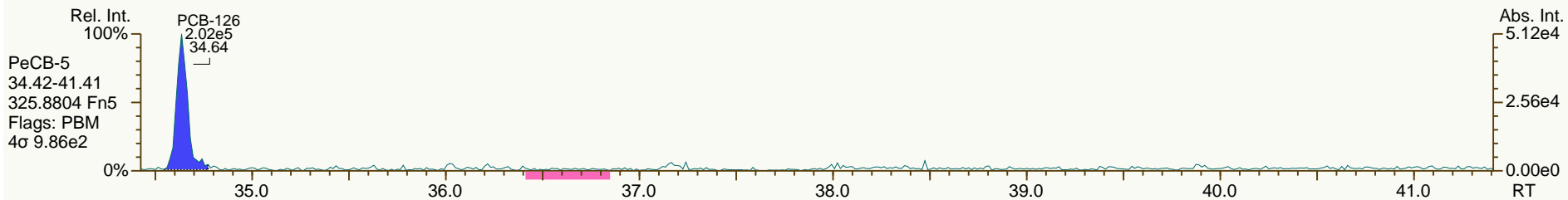
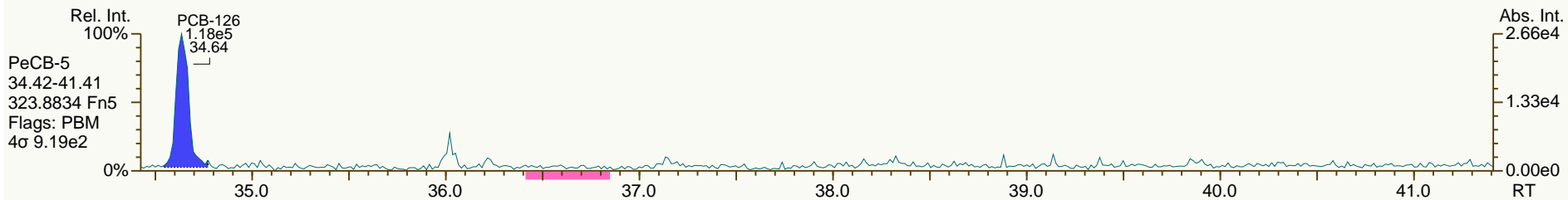
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

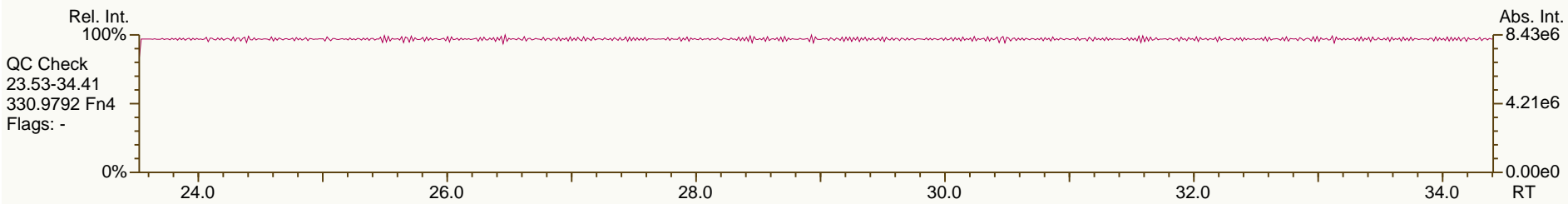
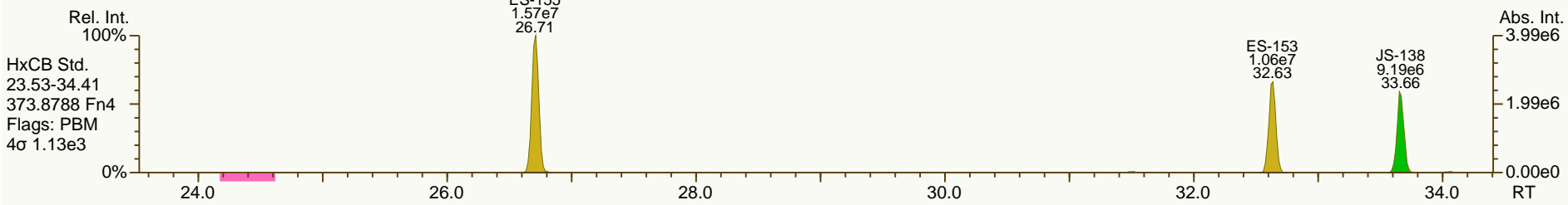
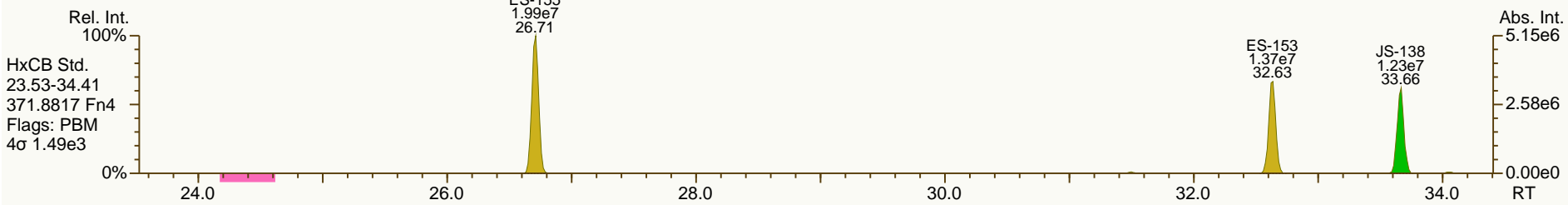
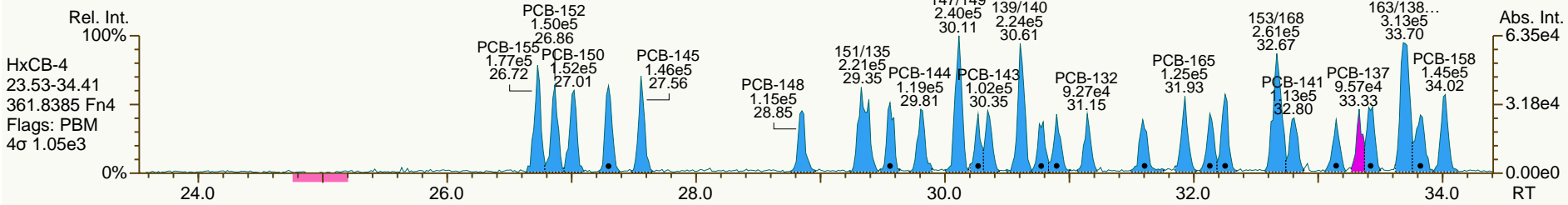
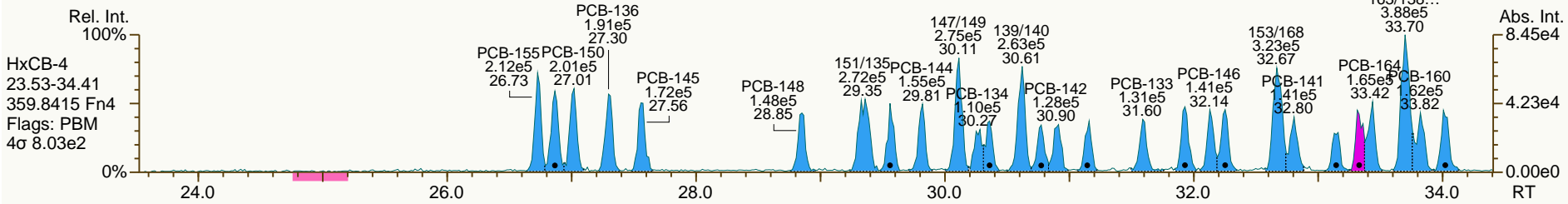
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

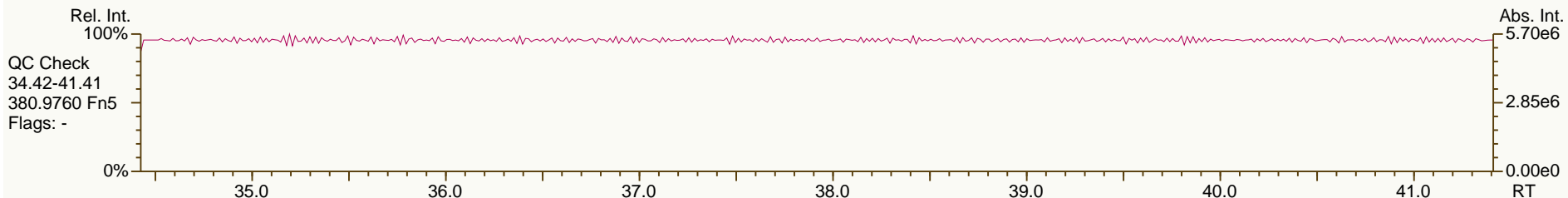
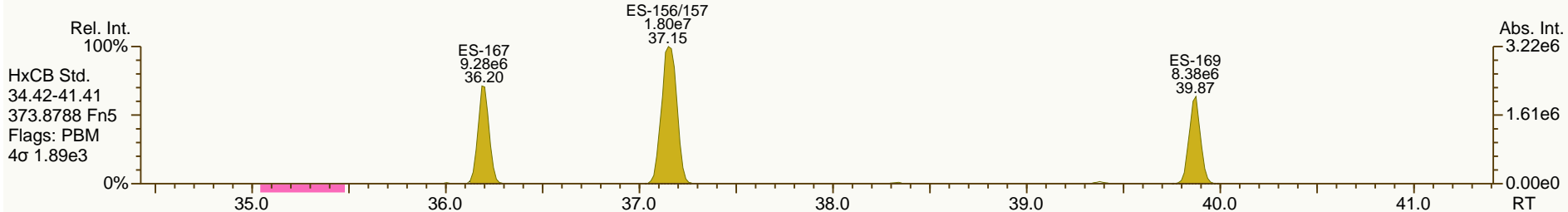
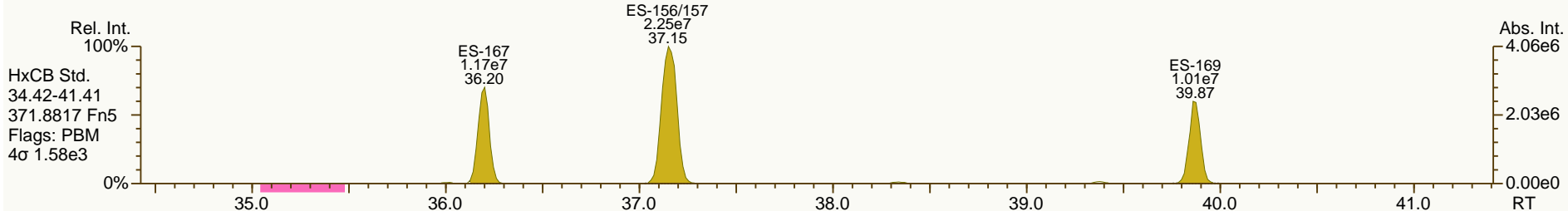
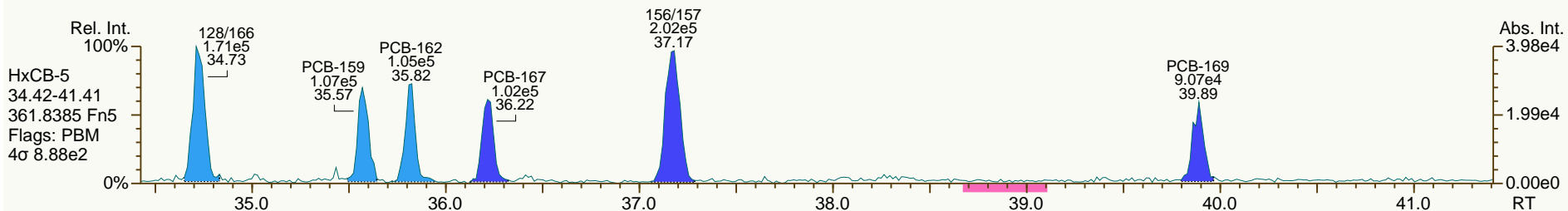
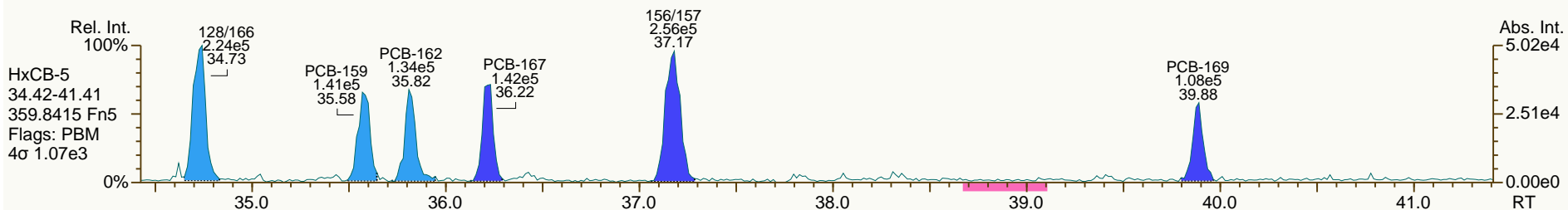
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

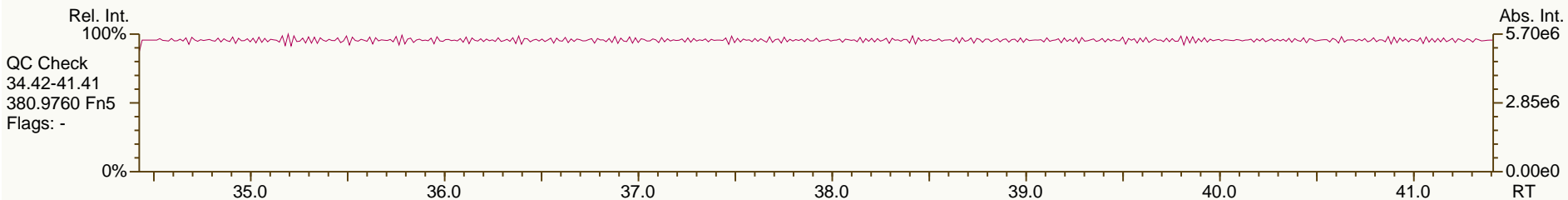
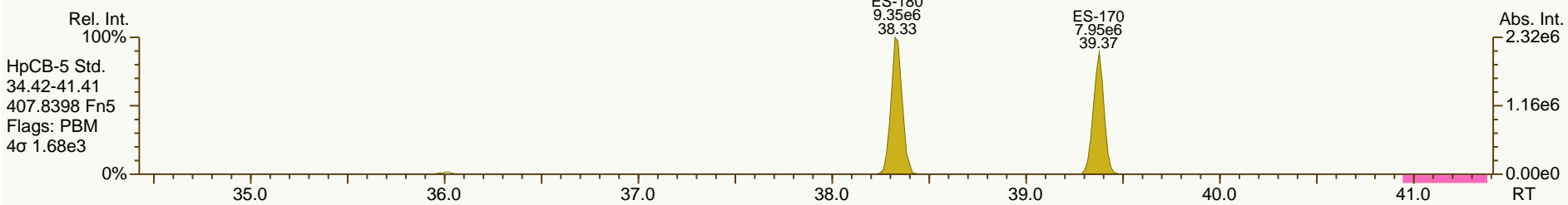
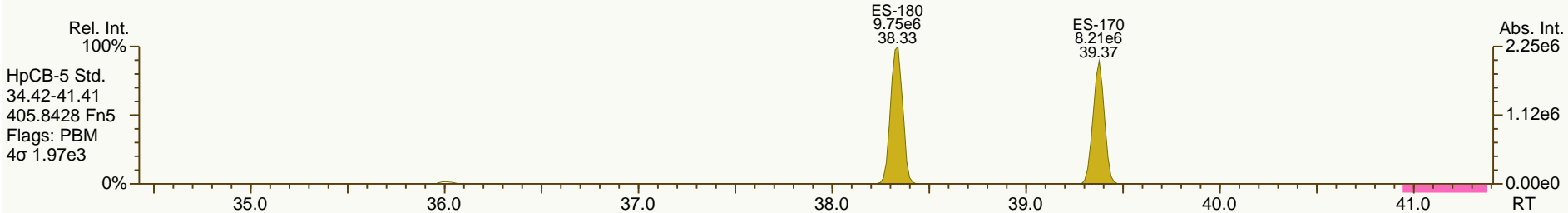
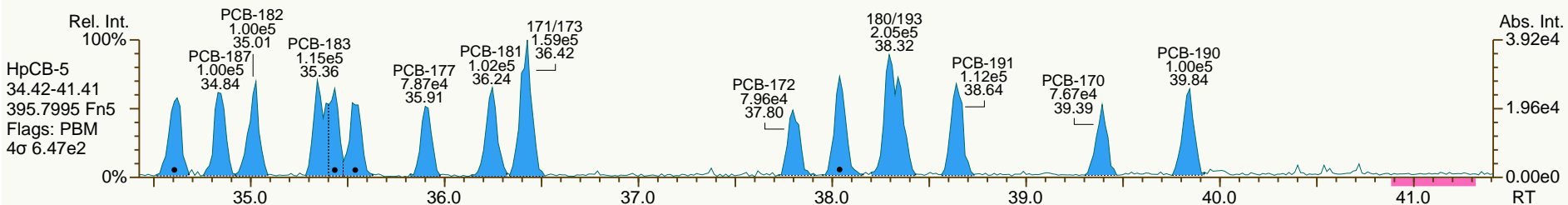
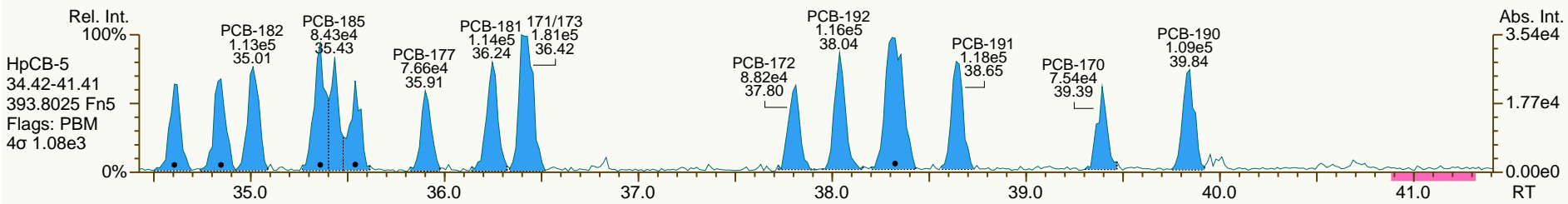
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

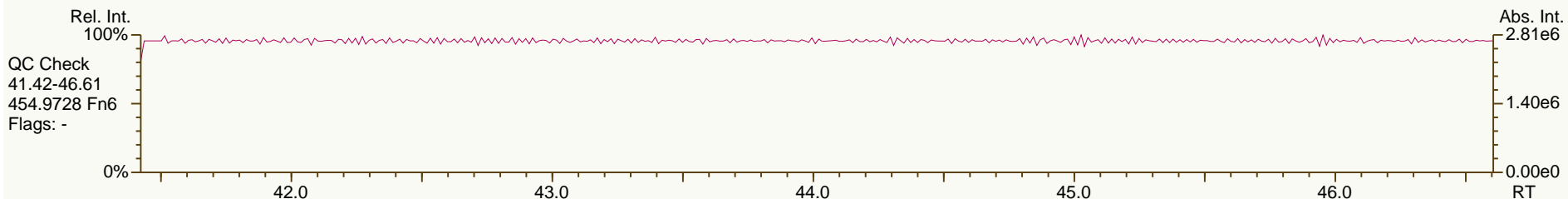
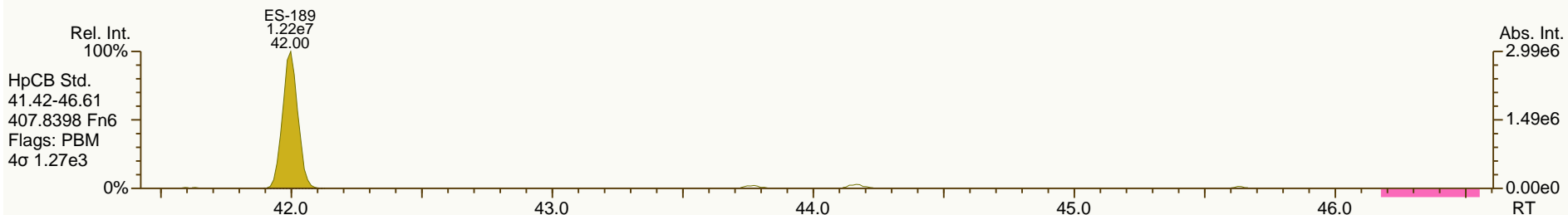
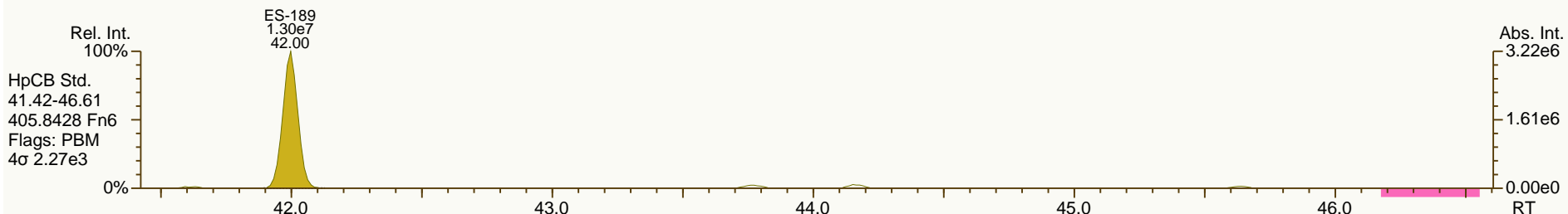
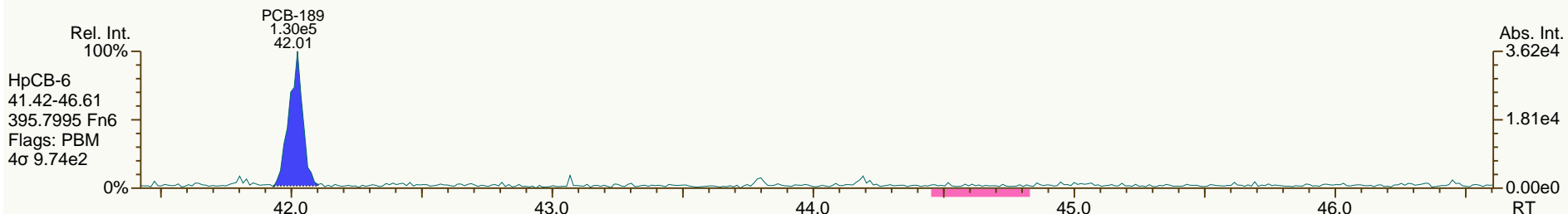
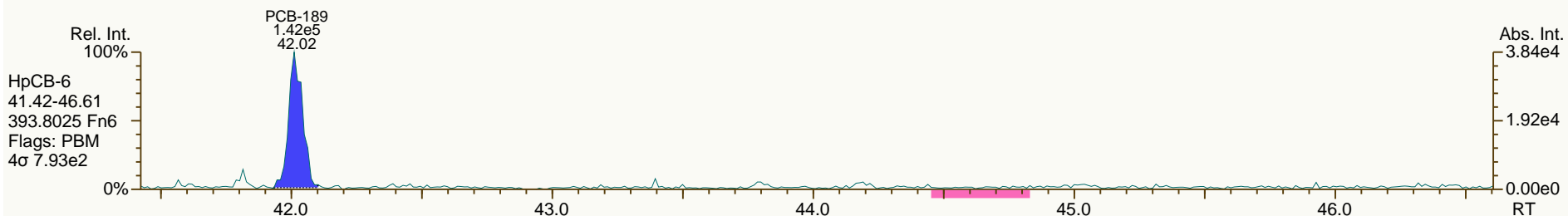
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

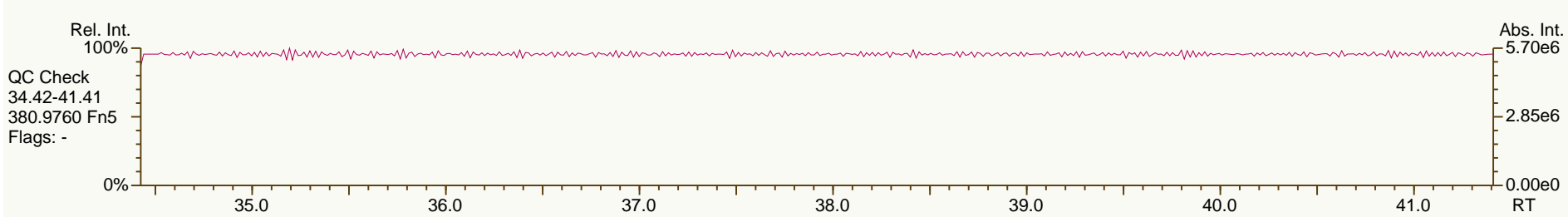
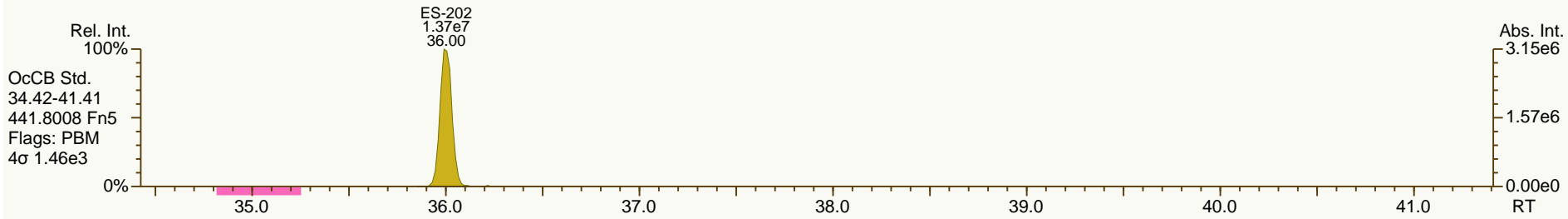
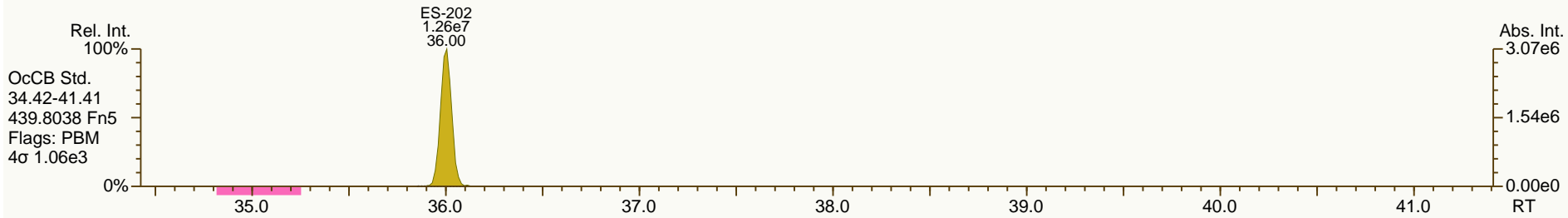
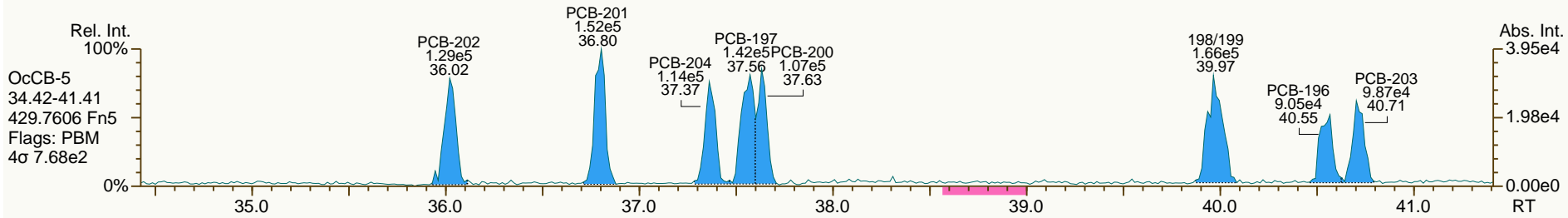
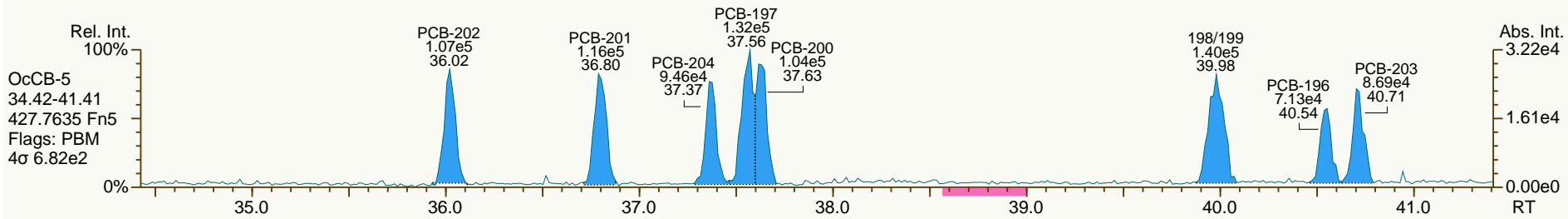
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

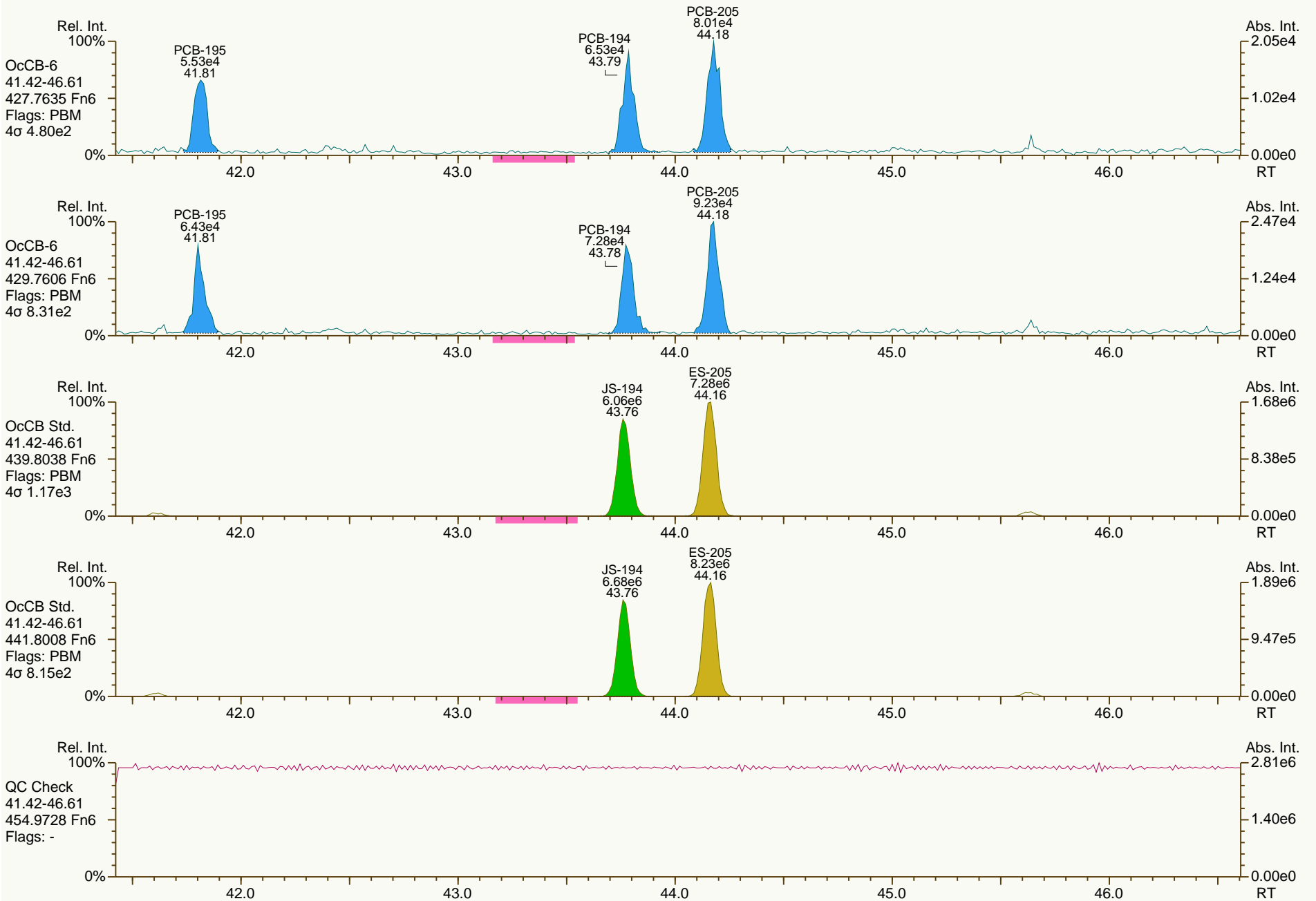
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SGS-AP ID: CS1_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
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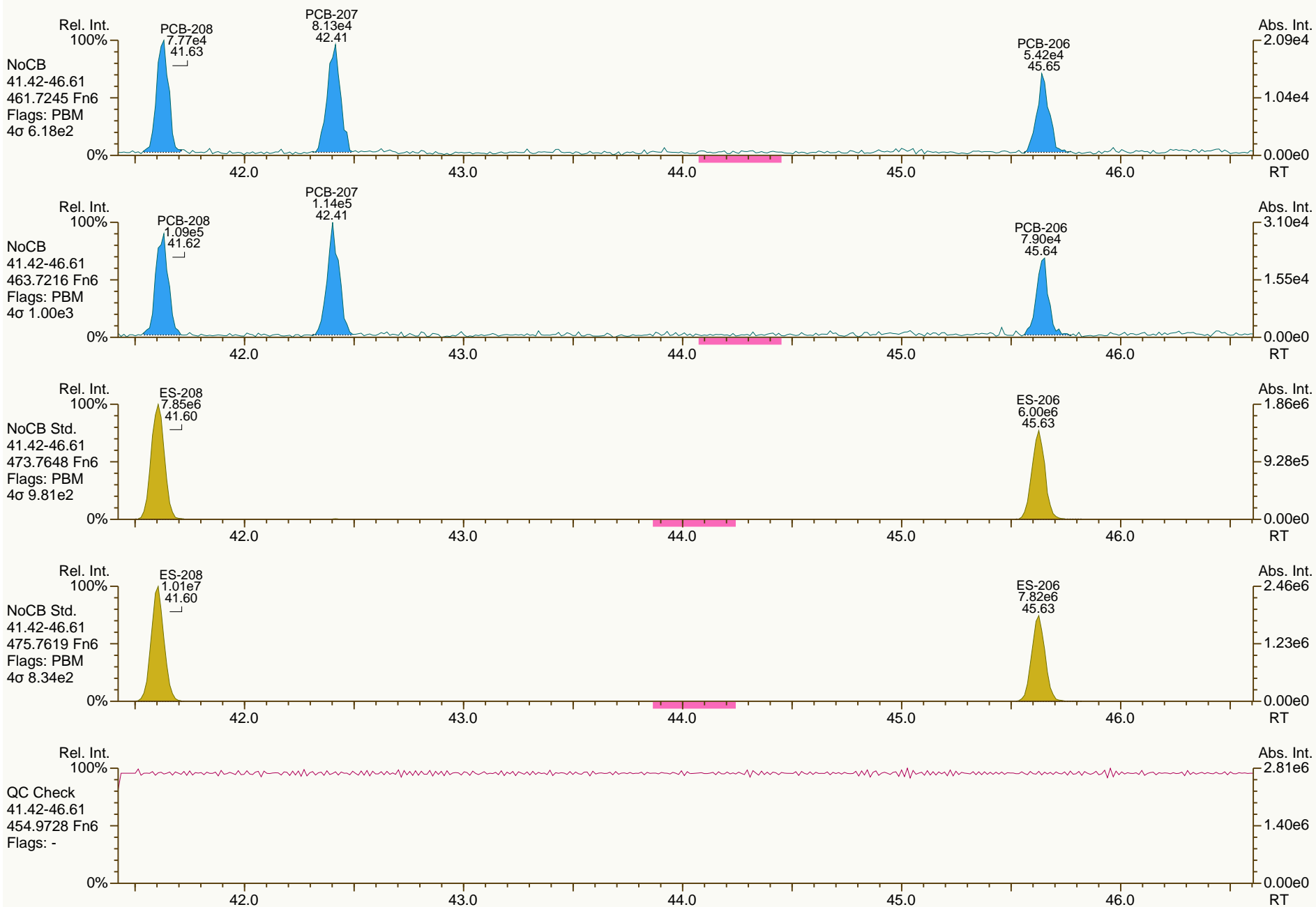
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
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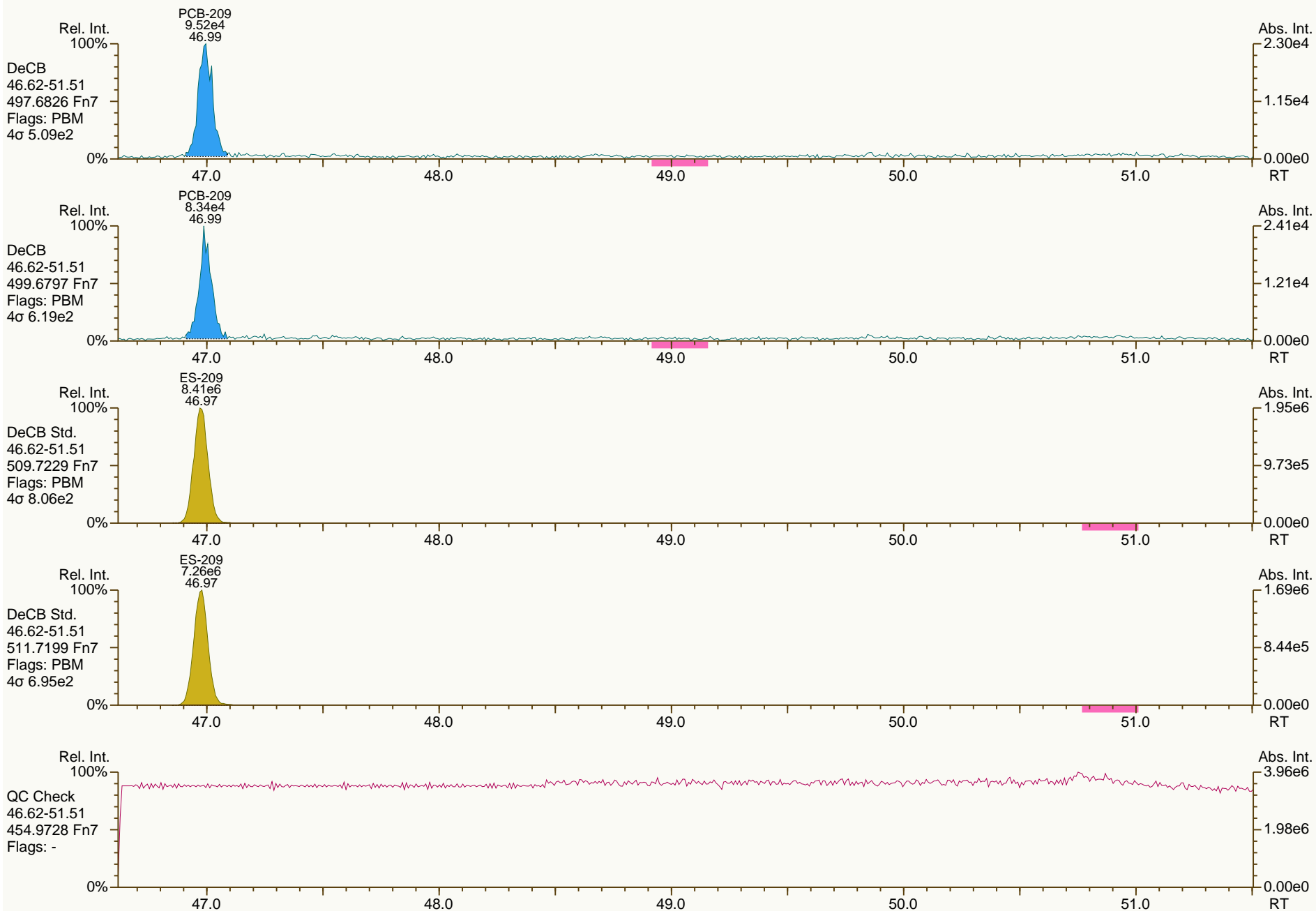
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

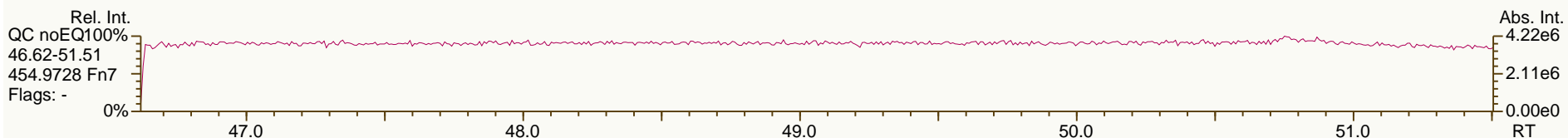
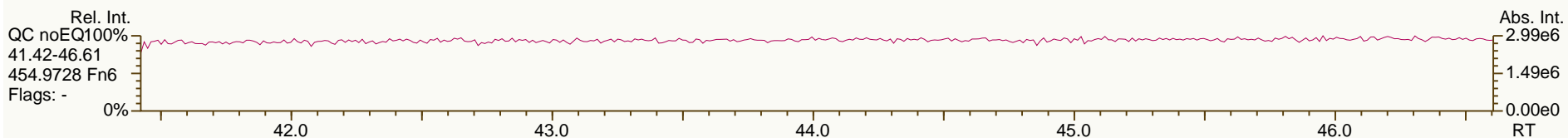
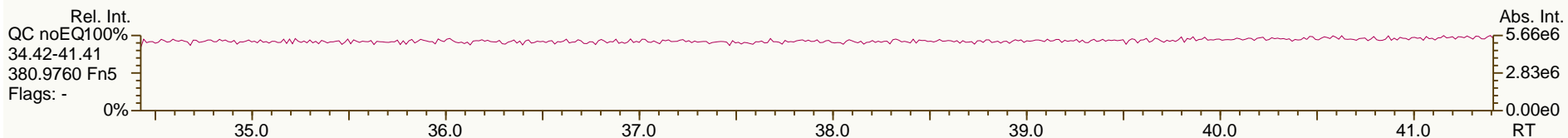
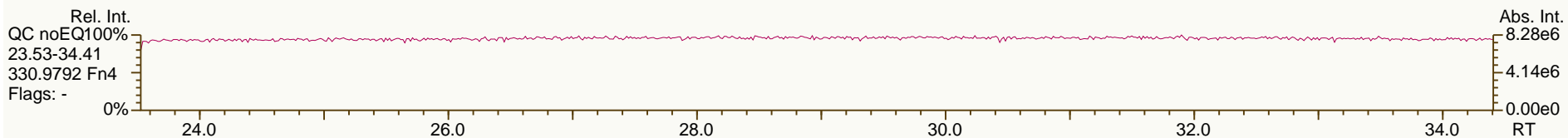
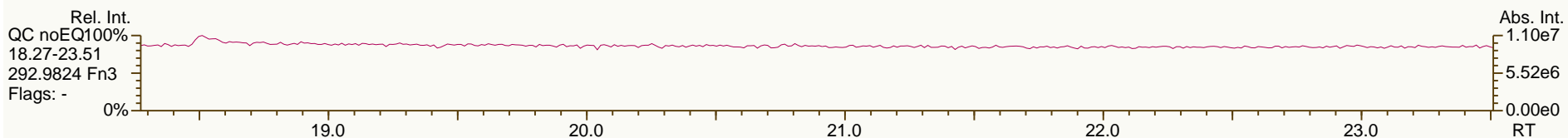
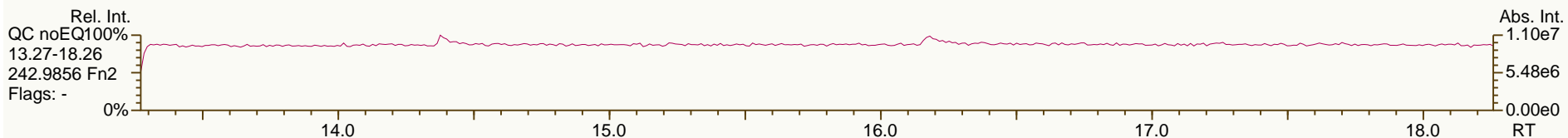
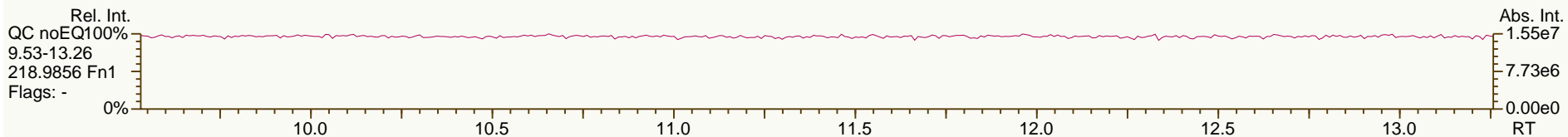
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SGS-AP ID: CS1_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 11

Acq: 14-Dec-2012 03:21:15
 User: CEM Datafile: 121214V03 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12						
Acquired:	14-DEC-2012 04:15							
Datafile:	121214V04							
Name	RT	Response	RA	ICAL	RRF	Dev'n		
PCB-77 33'44'-TeCB	29.11	1.97E+06	0.80 Y	1.25	1.20	-4.1%		
PCB-81 344'5'-TeCB	28.64	1.93E+06	0.79 Y	1.26	1.22	-3.0%		
PCB-105 233'44'-PeCB	32.05	1.22E+06	0.63 Y	1.06	1.04	-1.2%		
PCB-114 2344'5'-PeCB	31.52	1.29E+06	0.62 Y	1.11	1.07	-3.7%		
PCB-118 23'44'5'-PeCB	31.08	1.27E+06	0.63 Y	1.08	1.05	-2.7%		
PCB-123 23'44'5'-PeCB	30.80	1.22E+06	0.67 Y	1.12	1.04	-6.7%		
PCB-126 33'44'5'-PeCB	34.65	1.65E+06	0.59 Y	1.16	1.13	-2.3%		
PCB-156/157 ...-HxCB	37.18	2.32E+06	1.26 Y	1.14	1.11	-2.3%		
PCB-167 23'44'55'-HxCB	36.23	1.23E+06	1.23 Y	1.18	1.16	-1.9%		
PCB-169 33'44'55'-HxCB	39.90	1.12E+06	1.19 Y	1.15	1.19	3.0%		
PCB-189 233'44'55'-HpCB	42.03	1.43E+06	1.07 Y	1.12	1.10	-1.1%		
PCB-209 DeCB	47.00	8.87E+05	1.19 Y	1.11	1.05	-5.4%		
ES PCB-1	9.83	6.35E+07	3.27 Y	0.97	1.07	10.1%		
ES PCB-3	11.73	5.68E+07	3.36 Y	0.90	0.95	6.1%		
ES PCB-4	11.94	4.39E+07	1.54 Y	0.70	0.74	5.3%		
ES PCB-15	16.99	5.44E+07	1.63 Y	1.02	0.91	-10.0%		
ES PCB-19	14.61	3.07E+07	1.05 Y	0.53	0.52	-2.0%		
ES PCB-37	22.94	3.57E+07	1.12 Y	1.29	1.30	0.2%		
ES PCB-54	17.23	3.99E+07	0.79 Y	1.43	1.45	1.7%		
ES PCB-77	29.09	3.30E+07	0.83 Y	1.20	1.20	-0.4%		
ES PCB-81	28.63	3.17E+07	0.83 Y	1.16	1.15	-1.0%		
ES PCB-104	21.91	3.49E+07	1.52 Y	1.70	1.73	1.3%		
ES PCB-105	32.03	2.34E+07	1.46 Y	1.10	1.16	5.5%		
ES PCB-114	31.50	2.40E+07	1.51 Y	1.16	1.19	2.8%		
ES PCB-118	31.06	2.42E+07	1.50 Y	1.15	1.20	3.7%		
ES PCB-123	30.78	2.34E+07	1.47 Y	1.14	1.16	1.4%		
ES PCB-126	34.63	2.92E+07	1.63 Y	1.34	1.44	7.7%		
ES PCB-153	32.64	2.42E+07	1.27 Y	1.14	1.16	1.3%		
ES PCB-155	26.72	3.32E+07	1.27 Y	1.61	1.58	-1.8%		
ES PCB-156/157	37.16	4.16E+07	1.27 Y	0.98	0.99	1.7%		
ES PCB-167	36.20	2.13E+07	1.21 Y	1.01	1.02	0.6%		
ES PCB-169	39.88	1.88E+07	1.27 Y	0.90	0.90	-0.1%		
ES PCB-170	39.38	1.69E+07	1.04 Y	1.28	1.25	-2.4%		
ES PCB-180	38.34	2.00E+07	1.05 Y	1.54	1.48	-3.6%		
ES PCB-188	31.51	3.47E+07	1.04 Y	1.63	1.66	1.9%		
ES PCB-189	42.01	2.60E+07	1.06 Y	1.97	1.92	-2.2%		
ES PCB-202	36.01	2.69E+07	0.89 Y	1.26	1.28	1.8%		
ES PCB-205	44.17	1.64E+07	0.90 Y	1.22	1.21	-0.7%		
ES PCB-206	45.63	1.47E+07	0.78 Y	1.10	1.09	-1.2%		
ES PCB-208	41.61	1.84E+07	0.76 Y	1.41	1.36	-3.4%		
ES PCB-209	46.98	1.69E+07	1.16 Y	1.24	1.25	0.4%		

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:16		
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.57	4.28E+07	1.10 Y	1.18	1.20	1.8%	
SS PCB-111	29.15	2.38E+07	1.49 Y	1.01	1.02	1.2%	
SS PCB-178	34.07	2.03E+07	1.02 Y	0.60	0.58	-2.9%	
CS PCB-28	19.57	4.28E+07	1.10 Y	1.52	1.55	2.0%	
CS PCB-111	29.15	2.38E+07	1.49 Y	1.15	1.18	2.6%	
CS PCB-178	34.07	2.03E+07	1.02 Y	0.98	0.97	-1.1%	
JS PCB-9	13.65	5.95E+07	1.65 Y	-	-	-	
JS PCB-52	21.11	2.75E+07	0.76 Y	-	-	-	
JS PCB-101	26.89	2.02E+07	1.48 Y	-	-	-	
JS PCB-138	33.67	2.09E+07	1.31 Y	-	-	-	
JS PCB-194	43.77	1.35E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.88E+06	3.07 Y	1.25	1.22	-2.1%	
PCB-3 4-MoCB	11.74	3.53E+06	2.98 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.95	1.88E+06	1.56 Y	0.90	0.86	-4.7%	
PCB-15 44'-DiCB	17.01	2.82E+06	1.54 Y	1.10	1.04	-5.2%	
PCB-19 22'6'-TrCB	14.63	1.42E+06	1.00 Y	0.95	0.92	-2.3%	
PCB-37 344'-TrCB	22.96	2.48E+06	1.08 Y	1.39	1.39	-0.2%	
PCB-54 22'66'-TeCB	17.25	2.03E+06	0.78 Y	1.05	1.02	-3.2%	
PCB-104 22'466'-PeCB	21.93	1.86E+06	0.64 Y	1.12	1.07	-4.4%	
PCB-153/168 ...-HxCB	32.68	2.99E+06	1.26 Y	1.24	1.23	-0.3%	
PCB-155 22'44'66'-HxCB	26.74	1.81E+06	1.19 Y	1.09	1.09	0.2%	
PCB-170 22'33'44'5'-HpCB	39.40	8.38E+05	1.03 Y	0.99	0.99	-0.3%	
PCB-180/193 ...-HpCB	38.33	2.10E+06	1.02 Y	1.07	1.05	-2.0%	
PCB-188 22'34'566'-HpCB	31.53	1.64E+06	1.10 Y	0.98	0.95	-3.5%	
PCB-202 22'33'55'66'-OxCB	36.03	1.13E+06	0.88 Y	0.86	0.84	-2.9%	
PCB-205 233'44'55'6'-OxCB	44.19	8.63E+05	0.87 Y	1.13	1.05	-7.2%	
PCB-208 22'33'455'66'-NoCB	41.63	9.34E+05	0.77 Y	1.03	1.02	-1.7%	
PCB-206 22'33'44'55'6'-NoCB	45.65	6.98E+05	0.76 Y	0.97	0.95	-2.0%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.88E+06	3.07 Y	1.25	1.22	-2.1%	
PCB-2 3-MoCB	11.59	3.65E+06	3.16 Y	1.28	1.29	0.6%	
PCB-3 4-MoCB	11.74	3.53E+06	2.98 Y	1.27	1.24	-1.8%	
PCB-4 22'-DiCB	11.95	1.88E+06	1.56 Y	0.90	0.86	-4.7%	
PCB-10 26'-DiCB	12.10	2.93E+06	1.55 Y	1.38	1.33	-3.2%	
PCB-9 25'-DiCB	13.67	2.95E+06	1.48 Y	0.99	1.08	9.7%	
PCB-7 24'-DiCB	13.81	2.97E+06	1.49 Y	1.10	1.09	-0.8%	
PCB-6 23'-DiCB	14.01	3.02E+06	1.48 Y	1.04	1.11	7.0%	
PCB-5 23'-DiCB	14.27	2.91E+06	1.51 Y	1.02	1.07	4.7%	
PCB-8 24'-DiCB	14.38	3.06E+06	1.55 Y	1.03	1.13	9.1%	
PCB-14 35'-DiCB	15.78	3.32E+06	1.54 Y	1.20	1.22	1.7%	
PCB-11 33'-DiCB	16.48	2.88E+06	1.51 Y	1.03	1.06	3.3%	
PCB-13/12 34'/34'-DiCB	16.75	5.75E+06	1.54 Y	1.03	1.06	2.4%	
PCB-15 44'-DiCB	17.01	2.82E+06	1.54 Y	1.10	1.04	-5.2%	
PCB-19 22'6'-TrCB	14.63	1.42E+06	1.00 Y	0.95	0.92	-2.3%	
PCB-30/18 246/22'5'-TrCB	16.22	3.58E+06	1.03 Y	1.23	1.17	-5.3%	
PCB-17 22'4'-TrCB	16.58	1.54E+06	1.06 Y	1.05	1.00	-5.1%	
PCB-27 23'6'-TrCB	16.76	2.03E+06	1.01 Y	1.46	1.32	-9.6%	
PCB-24 236'-TrCB	16.88	1.95E+06	1.02 Y	1.32	1.27	-3.6%	
PCB-16 22'3'-TrCB	16.96	1.08E+06	1.03 Y	0.81	0.70	-13.1%	
PCB-32 24'6'-TrCB	17.41	2.13E+06	1.06 Y	1.48	1.39	-5.9%	
PCB-34 23'5'-TrCB	18.49	2.67E+06	1.08 Y	1.46	1.49	2.2%	
PCB-23 235'-TrCB	18.62	2.66E+06	1.07 Y	1.50	1.49	-1.1%	
PCB-26/29 23'5'/245'-TrCB	18.89	5.31E+06	1.08 Y	1.53	1.49	-2.7%	
PCB-25 23'4'-TrCB	19.08	2.72E+06	1.03 Y	1.53	1.52	-0.9%	
PCB-31 24'5'-TrCB	19.34	2.73E+06	1.07 Y	1.55	1.53	-1.3%	
PCB-28/20 244'/233'-TrCB	19.60	5.32E+06	1.05 Y	1.51	1.49	-1.0%	
PCB-21/33 234/23'4'-TrCB	19.76	5.39E+06	1.05 Y	1.55	1.51	-2.4%	
PCB-22 234'-TrCB	20.11	2.52E+06	1.04 Y	1.40	1.41	0.8%	
PCB-36 33'5'-TrCB	21.44	2.66E+06	1.04 Y	1.52	1.49	-1.9%	
PCB-39 34'5'-TrCB	21.74	2.69E+06	1.04 Y	1.58	1.50	-5.0%	
PCB-38 345'-TrCB	22.23	2.45E+06	1.08 Y	1.47	1.37	-6.4%	
PCB-35 33'4'-TrCB	22.61	2.34E+06	1.12 Y	1.33	1.31	-1.6%	
PCB-37 344'-TrCB	22.96	2.48E+06	1.08 Y	1.39	1.39	-0.2%	
PCB-54 22'66'-TeCB	17.25	2.03E+06	0.78 Y	1.05	1.02	-3.2%	
PCB-50/53 22'46'/22'56'-TeCB	19.12	2.75E+06	0.77 Y	0.88	0.87	-1.1%	
PCB-45 22'36'-TeCB	19.65	1.13E+06	0.80 Y	0.73	0.71	-3.1%	
PCB-51 22'46'-TeCB	19.73	1.45E+06	0.79 Y	0.94	0.92	-2.4%	
PCB-46 22'36'-TeCB	19.92	1.11E+06	0.78 Y	0.72	0.70	-2.4%	
PCB-52 22'55'-TeCB	21.14	1.30E+06	0.81 Y	0.82	0.82	-0.4%	
PCB-73 23'5'6'-TeCB	21.26	1.78E+06	0.75 Y	1.10	1.13	2.5%	
PCB-43 22'35'-TeCB	21.34	1.03E+06	0.76 Y	0.70	0.65	-7.5%	
PCB-69/49 23'46'/22'45'-TeCB	21.53	3.08E+06	0.75 Y	1.01	0.97	-3.5%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.79	1.29E+06	0.74 Y	0.84	0.81	-3.6%	
PCB-44/47/65 ...-TeCB	21.99	4.09E+06	0.78 Y	0.90	0.86	-4.4%	
PCB-59/62/75 ...-TeCB	22.26	5.23E+06	0.78 Y	1.15	1.10	-4.5%	
PCB-42 22'34'-TeCB	22.41	1.18E+06	0.82 Y	0.76	0.75	-2.3%	
PCB-41 22'34'-TeCB	22.72	1.03E+06	0.77 Y	0.64	0.65	1.4%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.57E+06	0.77 Y	0.83	0.81	-2.5%	
PCB-64 23'4'6'-TeCB	23.02	1.82E+06	0.77 Y	1.17	1.15	-2.0%	
PCB-72 23'55'-TeCB	23.74	2.16E+06	0.79 Y	1.37	1.37	-0.1%	
PCB-68 23'45'-TeCB	23.98	2.28E+06	0.78 Y	1.52	1.44	-5.2%	
PCB-57 23'35'-TeCB	24.33	2.02E+06	0.75 Y	1.32	1.27	-3.7%	
PCB-58 23'35'-TeCB	24.52	2.06E+06	0.79 Y	1.34	1.30	-2.9%	
PCB-67 23'45'-TeCB	24.67	2.23E+06	0.77 Y	1.41	1.41	-0.1%	
PCB-63 23'45'-TeCB	24.89	2.25E+06	0.80 Y	1.46	1.42	-2.6%	
PCB-61/70/74/76 ...-TeCB	25.17	8.27E+06	0.77 Y	1.37	1.31	-4.3%	
PCB-66 23'44'-TeCB	25.44	1.94E+06	0.74 Y	1.24	1.23	-1.0%	
PCB-55 23'34'-TeCB	25.57	2.02E+06	0.74 Y	1.28	1.27	-0.3%	
PCB-56 23'34'-TeCB	26.00	1.87E+06	0.80 Y	1.23	1.18	-3.9%	
PCB-60 23'44'-TeCB	26.18	1.96E+06	0.74 Y	1.30	1.24	-4.7%	
PCB-80 33'55'-TeCB	26.54	2.28E+06	0.78 Y	1.44	1.44	0.6%	
PCB-79 33'45'-TeCB	27.81	2.19E+06	0.77 Y	1.48	1.38	-6.3%	
PCB-78 33'45'-TeCB	28.28	1.84E+06	0.75 Y	1.21	1.16	-3.9%	
PCB-104 22'466'-PeCB	21.93	1.86E+06	0.64 Y	1.12	1.07	-4.4%	
PCB-96 22'366'-PeCB	22.23	1.58E+06	0.64 Y	0.96	0.91	-6.0%	
PCB-103 22'45'6'-PeCB	23.89	1.07E+06	0.60 Y	0.93	0.91	-2.2%	
PCB-94 22'356'-PeCB	24.06	9.29E+05	0.64 Y	0.81	0.79	-1.8%	
PCB-95 22'35'6'-PeCB	24.43	9.87E+05	0.61 Y	0.85	0.84	-0.6%	
PCB-100/93 22'44'6/22'356'-PeCB	24.63	2.01E+06	0.64 Y	0.88	0.86	-2.6%	
PCB-102 22'456'-PeCB	24.74	1.01E+06	0.65 Y	0.93	0.87	-7.1%	
PCB-98 22'34'6'-PeCB	24.80	9.43E+05	0.64 Y	0.84	0.81	-3.8%	
PCB-88 22'346'-PeCB	25.08	8.12E+05	0.59 Y	0.77	0.69	-10.0%	
PCB-91 22'34'6'-PeCB	25.15	1.15E+06	0.64 Y	0.96	0.98	2.3%	
PCB-84 22'33'6'-PeCB	25.34	8.41E+05	0.63 Y	0.72	0.72	-0.3%	
PCB-89 22'346'-PeCB	25.74	8.70E+05	0.59 Y	0.77	0.74	-3.6%	
PCB-121 23'45'6'-PeCB	26.12	1.36E+06	0.60 Y	1.15	1.16	1.3%	
PCB-92 22'355'-PeCB	26.43	9.50E+05	0.64 Y	0.79	0.81	2.5%	
PCB-113/90/101 ...-PeCB	26.89	3.19E+06	0.63 Y	0.95	0.91	-4.7%	
PCB-83 22'33'5'-PeCB	27.30	8.20E+05	0.59 Y	0.72	0.70	-2.5%	
PCB-99 22'44'5'-PeCB	27.41	1.03E+06	0.60 Y	0.90	0.88	-2.0%	
PCB-112 23'3'56'-PeCB	27.50	1.24E+06	0.65 Y	1.09	1.06	-3.4%	
PCB-109/119/86/97/125...-PeCB	27.83	6.46E+06	0.63 Y	0.95	0.92	-2.8%	
PCB-117 23'4'56'-PeCB	28.35	1.07E+06	0.64 Y	0.99	0.92	-7.3%	
PCB-116/85 23'456/22'344'-PeCB	28.42	2.30E+06	0.62 Y	0.96	0.98	2.3%	
PCB-110 23'3'4'6'-PeCB	28.55	1.16E+06	0.63 Y	1.01	0.99	-1.9%	

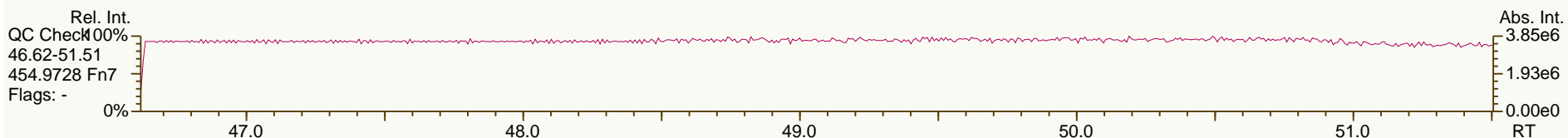
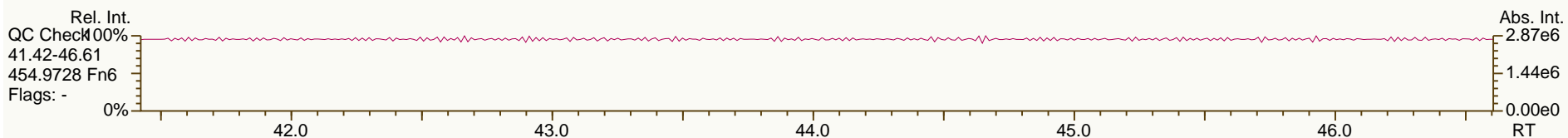
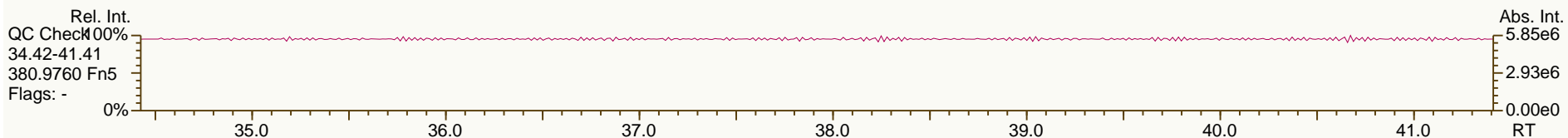
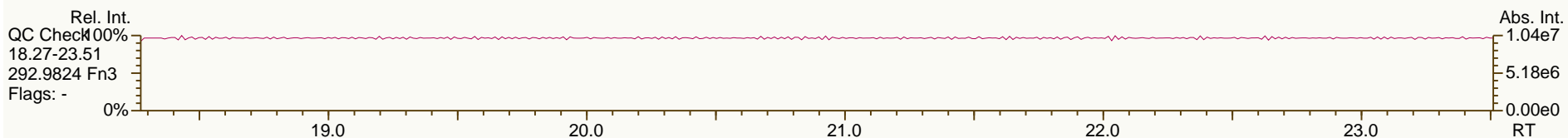
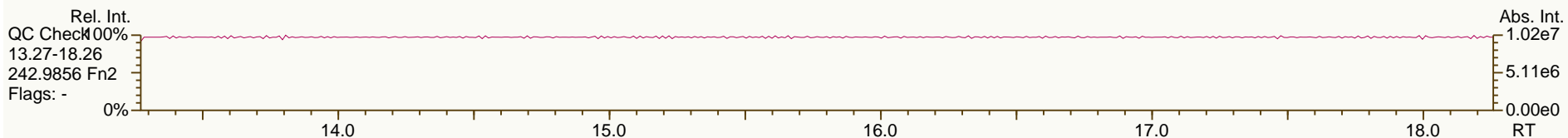
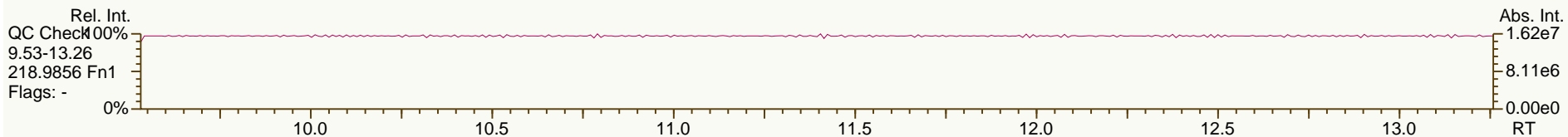
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.63	1.35E+06	0.63 Y	1.15	1.16	0.4%	
PCB-82 22'33'4-PeCB	28.82	7.66E+05	0.61 Y	0.70	0.66	-6.1%	
PCB-111 233'55'-PeCB	29.19	1.43E+06	0.65 Y	1.16	1.23	5.3%	
PCB-120 23'455'-PeCB	29.56	1.35E+06	0.64 Y	1.14	1.15	1.5%	
PCB-108/124 ...-PeCB	30.50	2.37E+06	0.66 Y	1.02	1.01	-0.4%	
PCB-107 233'4'5-PeCB	30.70	1.36E+06	0.63 Y	1.13	1.16	2.5%	
PCB-106 233'45-PeCB	30.90	1.19E+06	0.64 Y	1.01	1.02	0.6%	
PCB-122 233'4'5'-PeCB	31.36	1.10E+06	0.63 Y	0.91	0.92	0.9%	
PCB-127 33'455'-PeCB	33.31	1.23E+06	0.59 Y	1.06	1.05	-0.8%	
PCB-155 22'44'66'-HxCB	26.74	1.81E+06	1.19 Y	1.09	1.09	0.2%	
PCB-152 22'3566'-HxCB	26.87	1.69E+06	1.25 Y	1.04	1.02	-2.4%	
PCB-150 22'34'66'-HxCB	27.02	1.73E+06	1.22 Y	1.03	1.04	1.2%	
PCB-136 22'33'66'-HxCB	27.31	1.52E+06	1.26 Y	0.97	0.92	-5.8%	
PCB-145 22'3466'-HxCB	27.57	1.63E+06	1.27 Y	0.96	0.98	1.9%	
PCB-148 22'34'56'-HxCB	28.86	1.21E+06	1.22 Y	1.03	1.00	-3.4%	
PCB-151/135 ...-HxCB	29.36	2.33E+06	1.25 Y	0.99	0.96	-3.2%	
PCB-154 22'44'56'-HxCB	29.57	1.36E+06	1.26 Y	1.17	1.12	-4.6%	
PCB-144 22'345'6-HxCB	29.82	1.21E+06	1.31 Y	1.03	1.00	-2.6%	
PCB-147/149 ...-HxCB	30.12	2.39E+06	1.25 Y	1.02	0.98	-3.2%	
PCB-134 22'33'56-HxCB	30.27	8.98E+05	1.23 Y	0.80	0.74	-7.3%	
PCB-143 22'3456'-HxCB	30.36	1.17E+06	1.28 Y	0.95	0.97	1.9%	
PCB-139/140 ...-HxCB	30.62	2.44E+06	1.20 Y	1.05	1.01	-4.1%	
PCB-131 22'33'46-HxCB	30.78	1.05E+06	1.26 Y	0.90	0.87	-2.9%	
PCB-142 22'3456-HxCB	30.91	1.06E+06	1.27 Y	0.93	0.88	-5.2%	
PCB-132 22'33'46'-HxCB	31.16	1.09E+06	1.27 Y	0.93	0.90	-2.8%	
PCB-133 22'33'55'-HxCB	31.60	1.16E+06	1.20 Y	0.97	0.95	-1.4%	
PCB-165 233'55'6-HxCB	31.94	1.39E+06	1.32 Y	1.16	1.14	-1.5%	
PCB-146 22'34'55'-HxCB	32.15	1.22E+06	1.21 Y	1.01	1.01	0.0%	
PCB-161 233'45'6-HxCB	32.26	1.55E+06	1.23 Y	1.29	1.28	-1.3%	
PCB-153/168 ...-HxCB	32.68	2.99E+06	1.26 Y	1.24	1.23	-0.3%	
PCB-141 22'3455'-HxCB	32.81	1.14E+06	1.23 Y	0.95	0.94	-1.0%	
PCB-130 22'33'45'-HxCB	33.15	9.82E+05	1.34 Y	0.82	0.81	-1.5%	
PCB-137 22'344'5-HxCB	33.35	1.26E+06	1.21 Y	0.97	1.04	7.5%	
PCB-164 233'4'5'6-HxCB	33.43	1.43E+06	1.29 Y	1.25	1.18	-5.3%	
PCB-163/138/129 ...-HxCB	33.71	3.73E+06	1.25 Y	1.04	1.02	-1.6%	
PCB-160 233'456-HxCB	33.83	1.35E+06	1.28 Y	1.19	1.12	-6.4%	
PCB-158 233'44'6-HxCB	34.03	1.56E+06	1.24 Y	1.34	1.28	-4.1%	
PCB-128/166 ...-HxCB	34.74	2.03E+06	1.23 Y	0.96	0.95	-0.8%	
PCB-159 233'455'-HxCB	35.59	1.18E+06	1.30 Y	1.12	1.10	-1.6%	
PCB-162 233'4'55'-HxCB	35.83	1.19E+06	1.26 Y	1.13	1.12	-0.8%	
PCB-188 22'34'566'-HpCB	31.53	1.64E+06	1.10 Y	0.98	0.95	-3.5%	
PCB-179 22'33'566'-HpCB	31.80	1.54E+06	1.03 Y	0.90	0.89	-0.7%	
PCB-184 22'344'66'-HpCB	32.26	1.49E+06	1.02 Y	0.86	0.86	-0.9%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:16			
Lab ID:	CS2_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 04:15						
Datafile:	121214V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.54	1.62E+06	1.05 Y	0.97	0.93	-3.7%	
PCB-186 22'34566'-HpCB	32.92	1.55E+06	0.98 Y	0.93	0.90	-3.3%	
PCB-178 22'33'55'6'-HpCB	34.09	1.12E+06	1.05 Y	0.66	0.64	-2.8%	
PCB-175 22'33'45'6'-HpCB	34.62	9.86E+05	1.02 Y	1.02	0.98	-3.9%	
PCB-187 22'34'55'6'-HpCB	34.85	1.04E+06	1.08 Y	1.03	1.04	0.8%	
PCB-182 22'344'56'-HpCB	35.02	1.06E+06	1.04 Y	1.10	1.05	-3.8%	
PCB-183 22'344'5'6'-HpCB	35.36	1.12E+06	1.03 Y	1.12	1.12	-0.3%	
PCB-185 22'3455'6'-HpCB	35.44	8.84E+05	1.07 Y	0.97	0.88	-8.9%	
PCB-174 22'33'456'-HpCB	35.55	8.62E+05	1.05 Y	0.90	0.86	-3.9%	
PCB-177 22'33'45'6'-HpCB	35.92	8.30E+05	0.98 Y	0.87	0.83	-5.0%	
PCB-181 22'344'56'-HpCB	36.25	9.91E+05	1.02 Y	1.03	0.99	-4.4%	
PCB-171/173 ...-HpCB	36.43	1.70E+06	1.07 Y	0.89	0.85	-4.0%	
PCB-172 22'33'455'-HpCB	37.81	8.70E+05	1.04 Y	0.87	0.87	-0.5%	
PCB-192 233'455'6'-HpCB	38.05	1.14E+06	1.07 Y	1.16	1.14	-1.9%	
PCB-180/193 ...-HpCB	38.33	2.10E+06	1.02 Y	1.07	1.05	-2.0%	
PCB-191 233'44'5'6'-HpCB	38.65	1.20E+06	1.04 Y	1.18	1.20	1.5%	
PCB-170 22'33'44'5'-HpCB	39.40	8.38E+05	1.03 Y	0.99	0.99	-0.3%	
PCB-190 233'44'56'-HpCB	39.85	1.11E+06	1.02 Y	1.36	1.31	-3.6%	
PCB-202 22'33'55'66'-OcCB	36.03	1.13E+06	0.88 Y	0.86	0.84	-2.9%	
PCB-201 22'33'45'66'-OcCB	36.81	1.22E+06	0.89 Y	0.95	0.91	-4.3%	
PCB-204 22'344'566'-OcCB	37.38	1.20E+06	0.86 Y	0.90	0.89	-1.3%	
PCB-197 22'33'44'66'-OcCB	37.56	1.15E+06	0.89 Y	0.96	0.86	-10.8%	
PCB-200 22'33'4566'-OcCB	37.64	1.19E+06	0.84 Y	0.88	0.89	0.6%	
PCB-198/199 ...-OcCB	39.99	1.64E+06	0.89 Y	0.63	0.61	-3.3%	
PCB-196 22'33'44'56'-OcCB	40.56	8.68E+05	0.93 Y	0.66	0.65	-2.4%	
PCB-203 22'344'55'6'-OcCB	40.72	9.02E+05	0.86 Y	0.69	0.67	-3.5%	
PCB-195 22'33'44'56'-OcCB	41.82	6.47E+05	0.90 Y	0.82	0.79	-4.4%	
PCB-194 22'33'44'55'-OcCB	43.79	7.04E+05	0.87 Y	0.90	0.86	-4.8%	
PCB-205 233'44'55'6'-OcCB	44.19	8.63E+05	0.87 Y	1.13	1.05	-7.2%	
PCB-208 22'33'455'66'-NoCB	41.63	9.34E+05	0.77 Y	1.03	1.02	-1.7%	
PCB-207 22'33'44'566'-NoCB	42.42	9.83E+05	0.79 Y	1.07	1.07	0.1%	
PCB-206 22'33'44'55'6'-NoCB	45.65	6.98E+05	0.76 Y	0.97	0.95	-2.0%	

SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

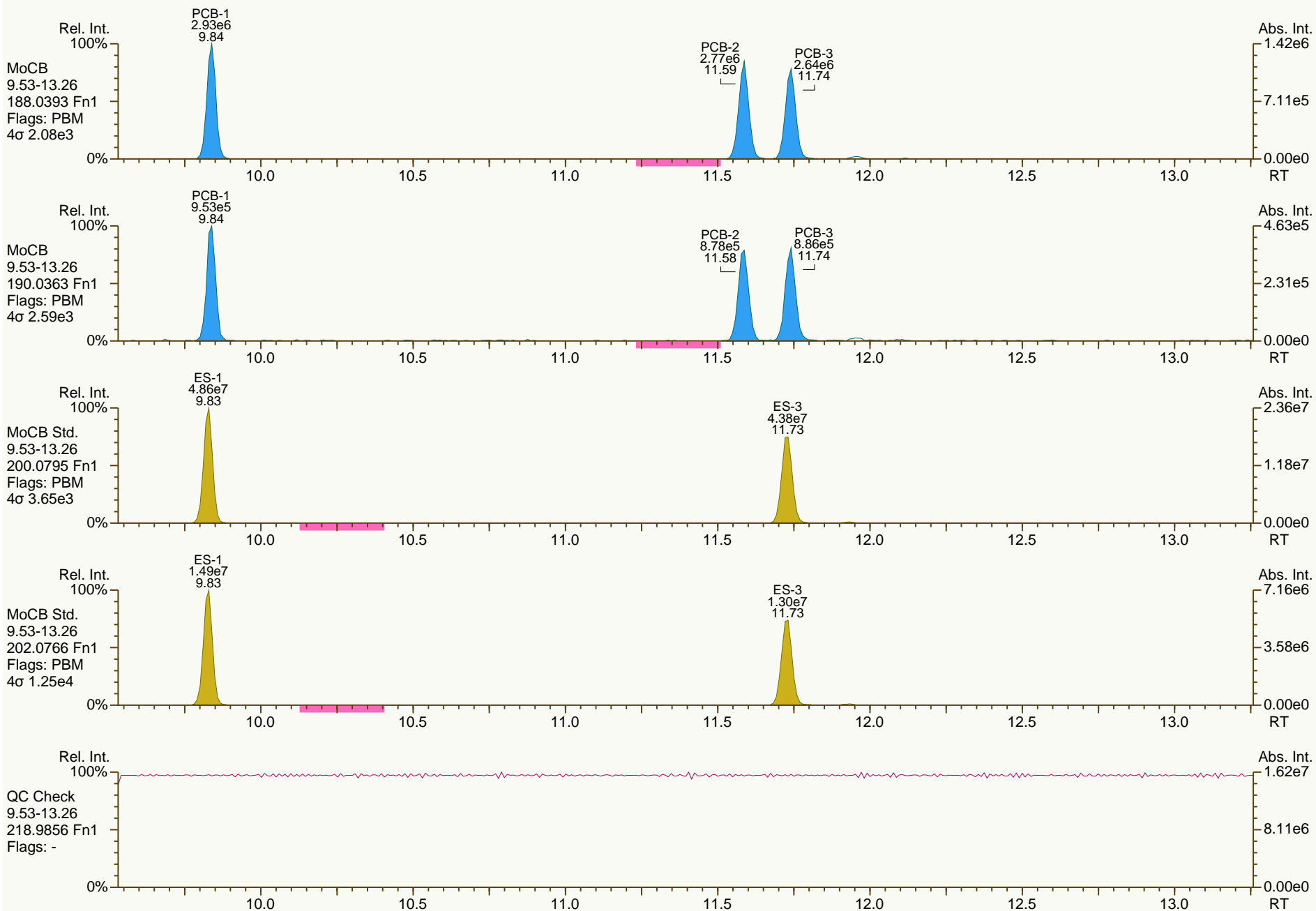
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SGS-AP ID: CS2_121214_PCB_VA
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Sample ID: SIL 12-65-4
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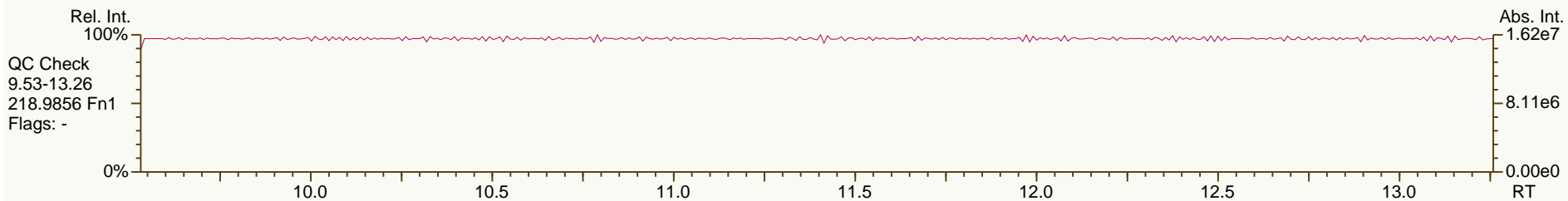
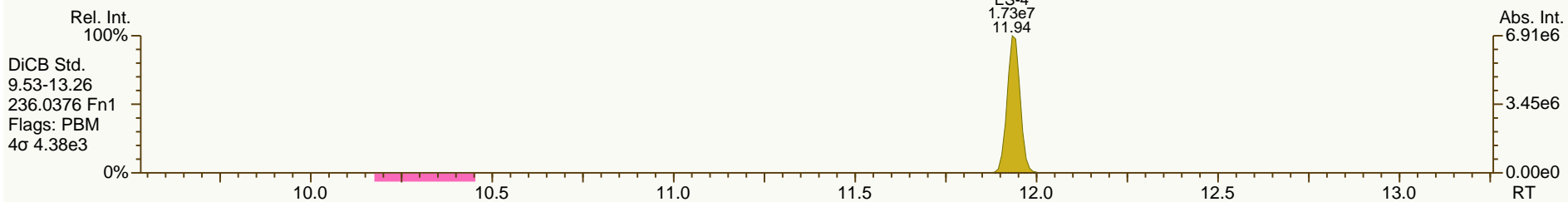
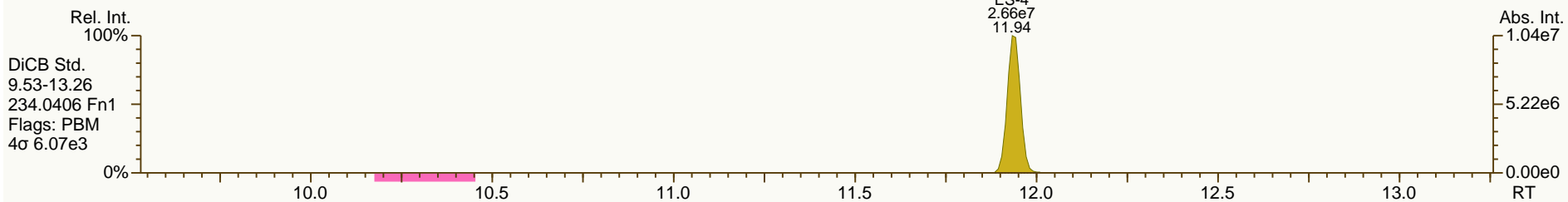
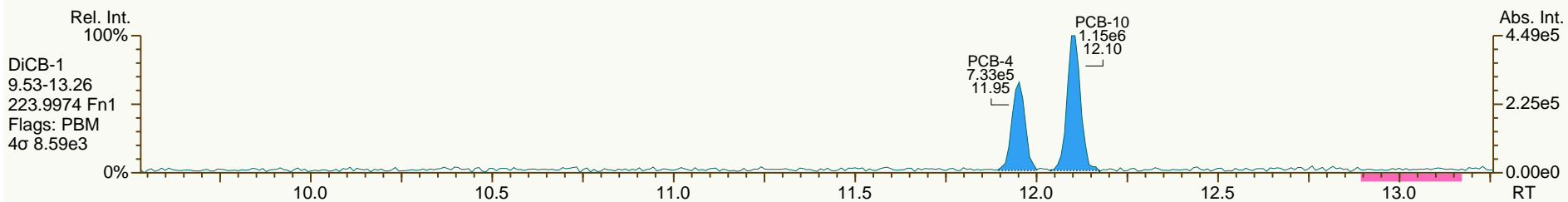
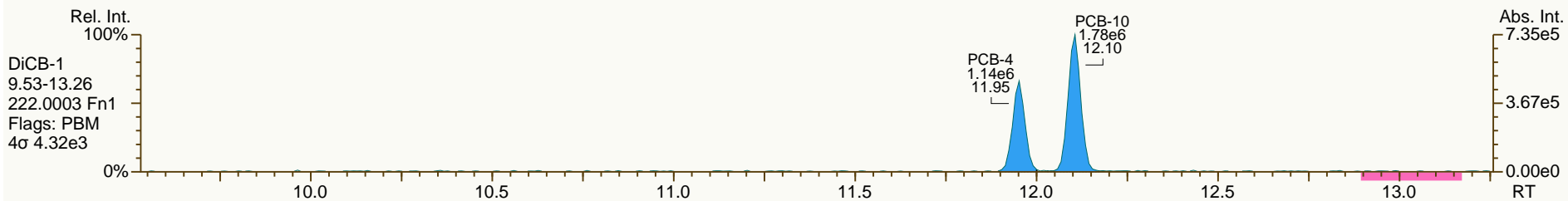
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SGS-AP ID: CS2_121214_PCB_VA
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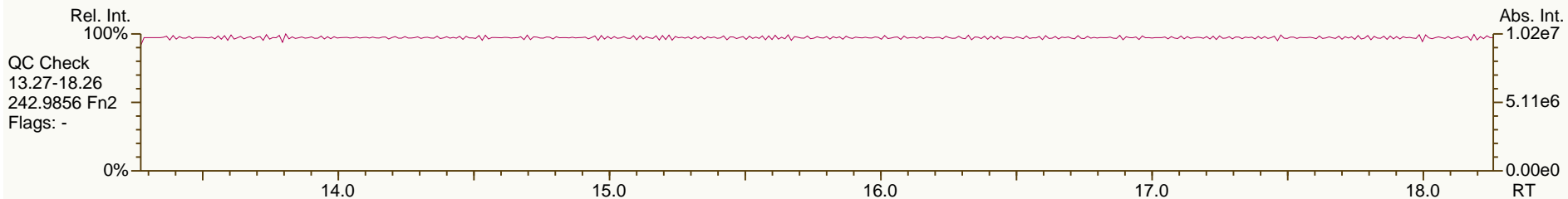
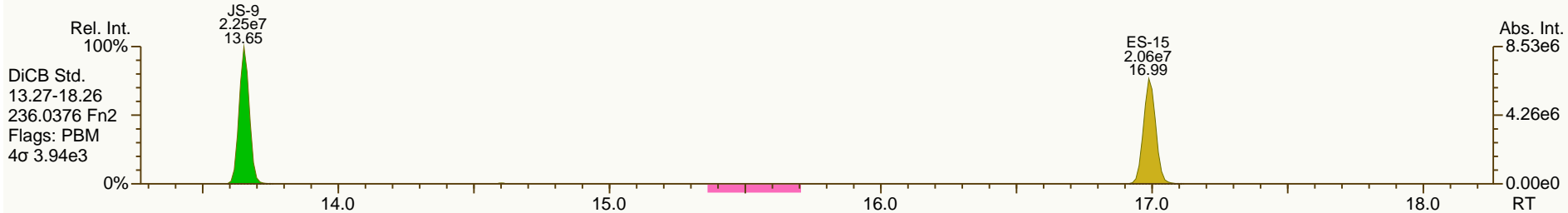
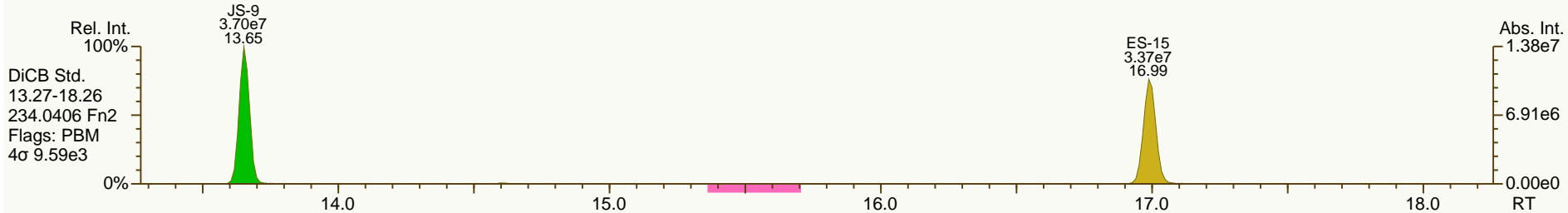
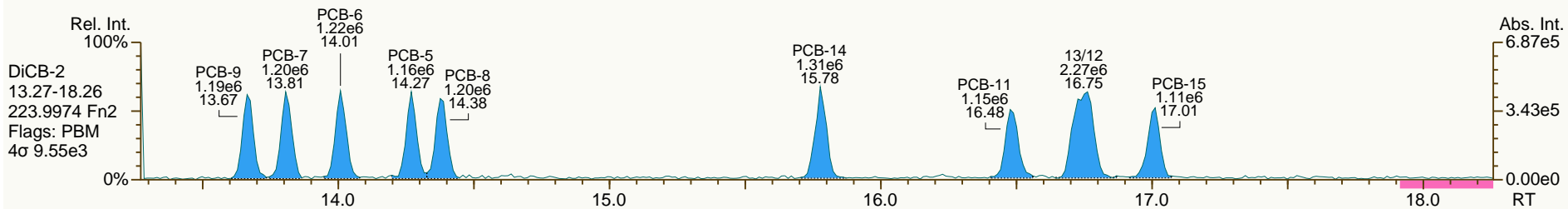
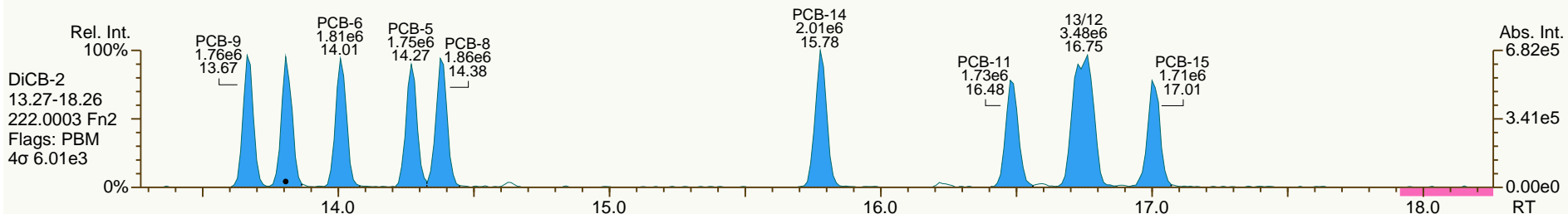
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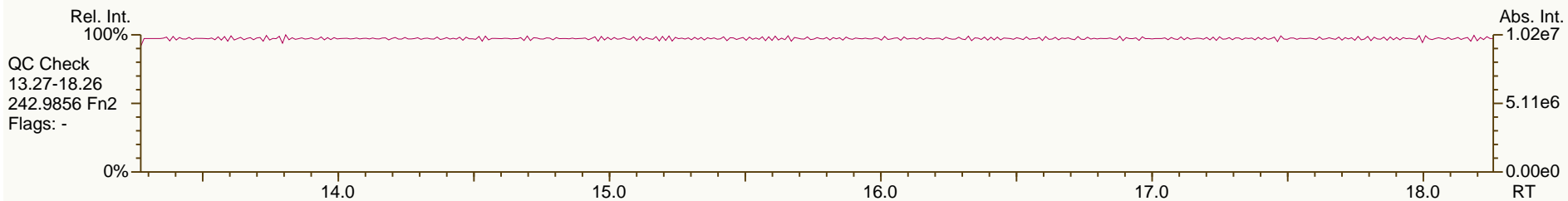
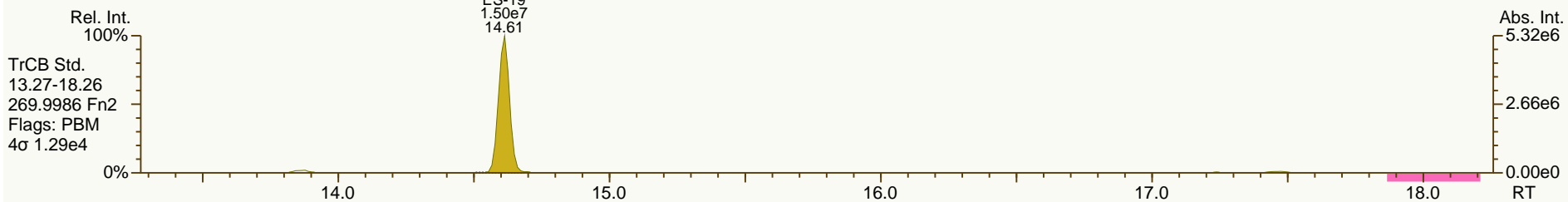
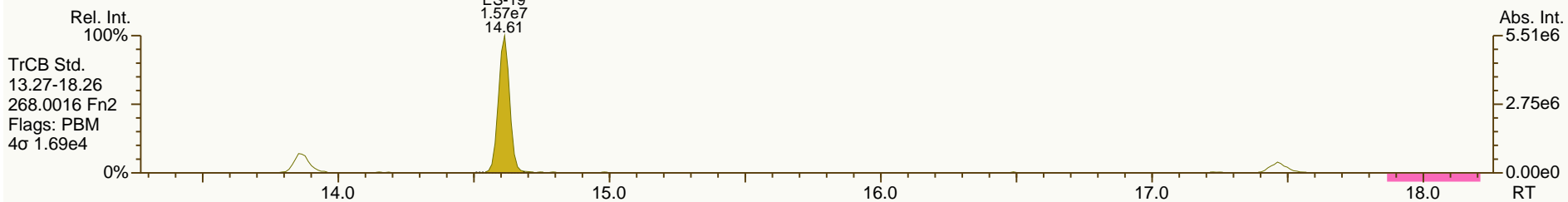
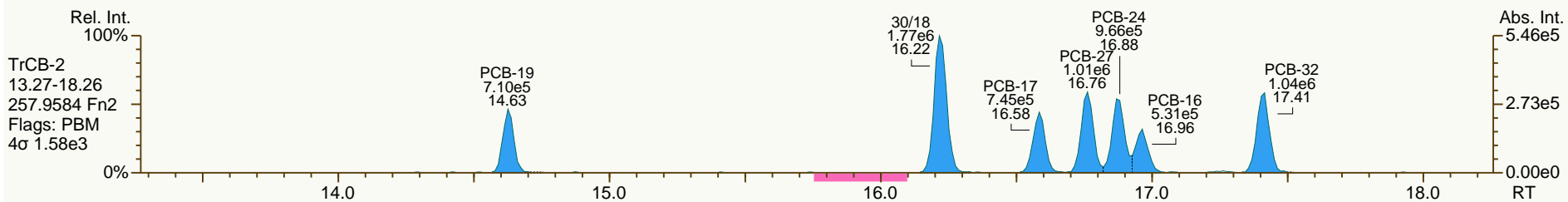
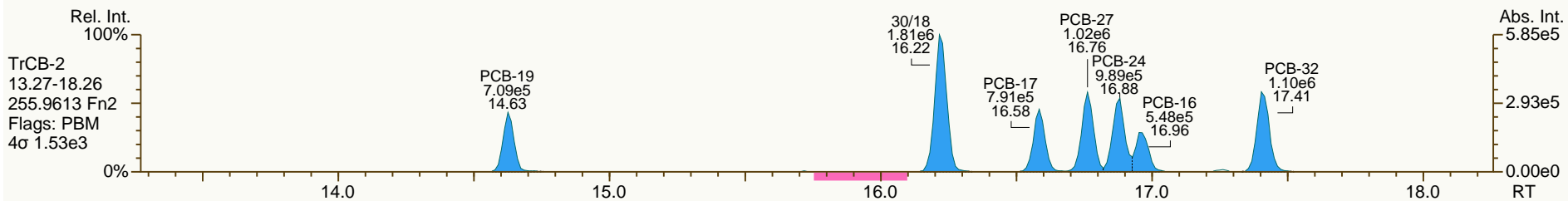
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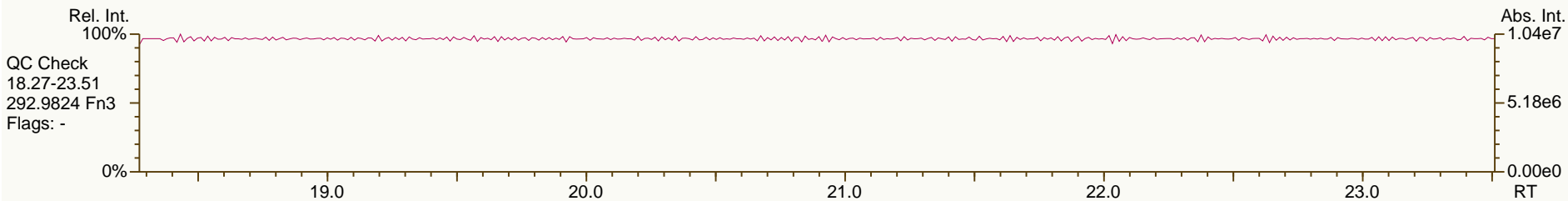
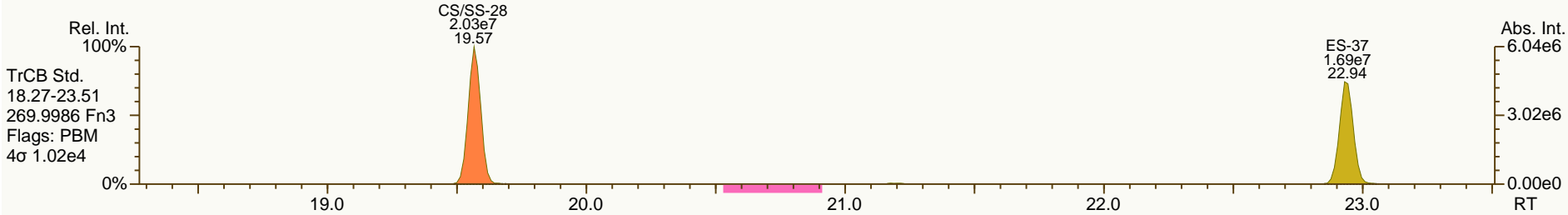
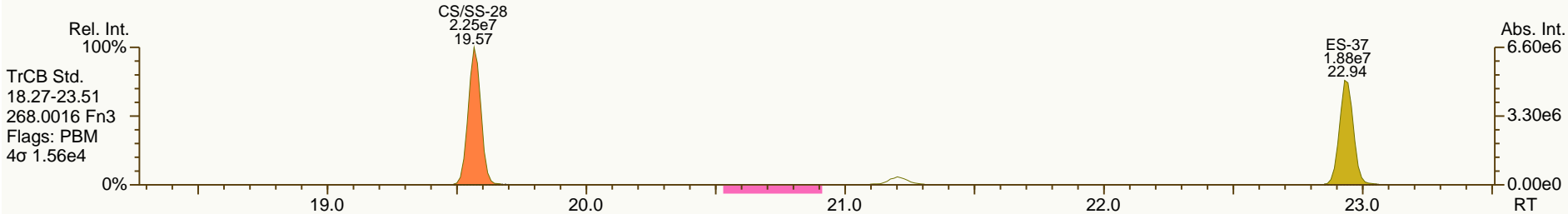
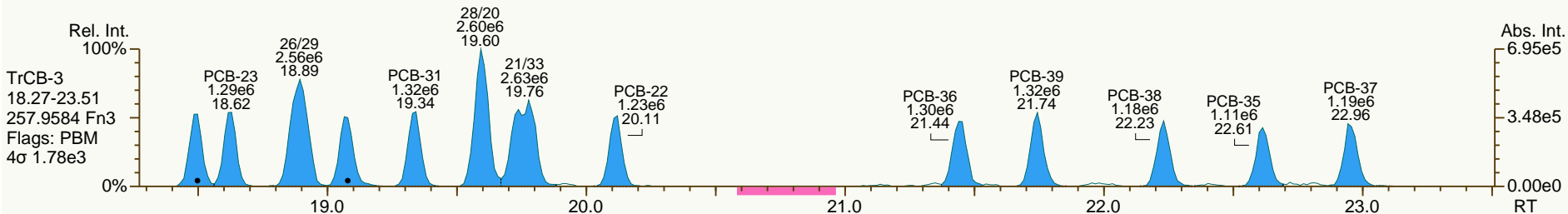
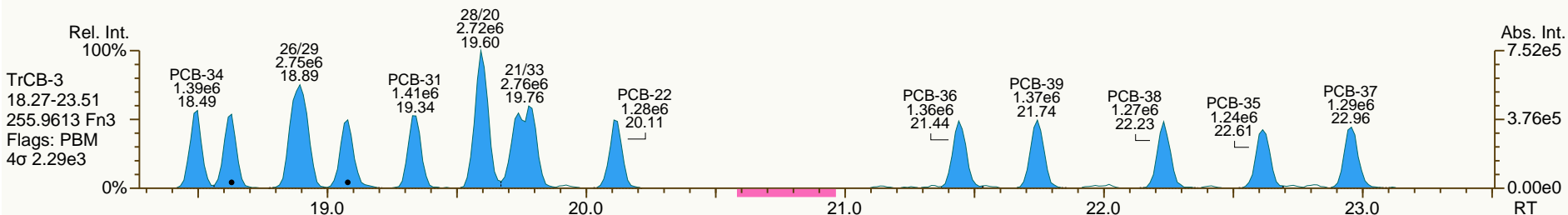
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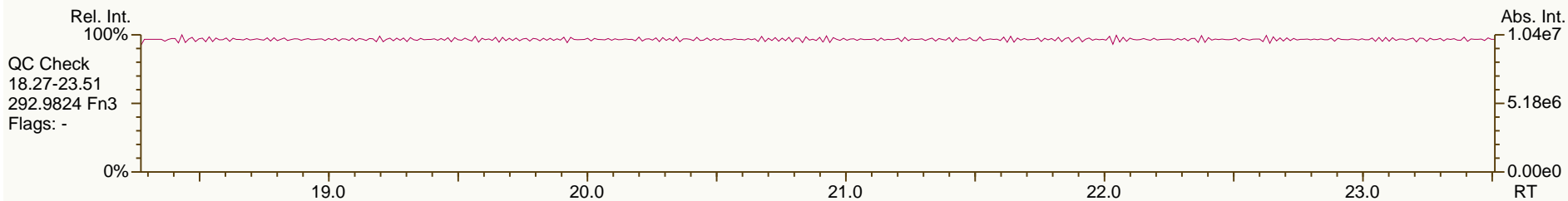
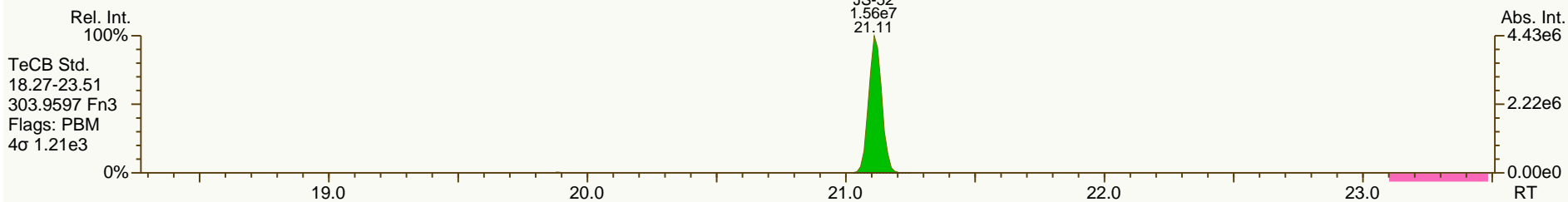
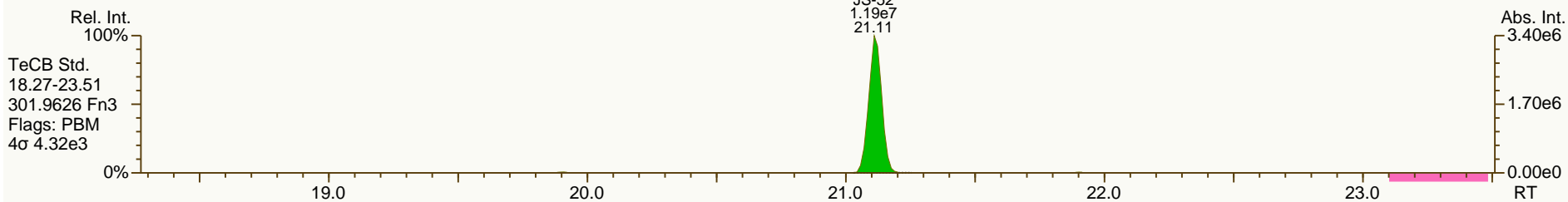
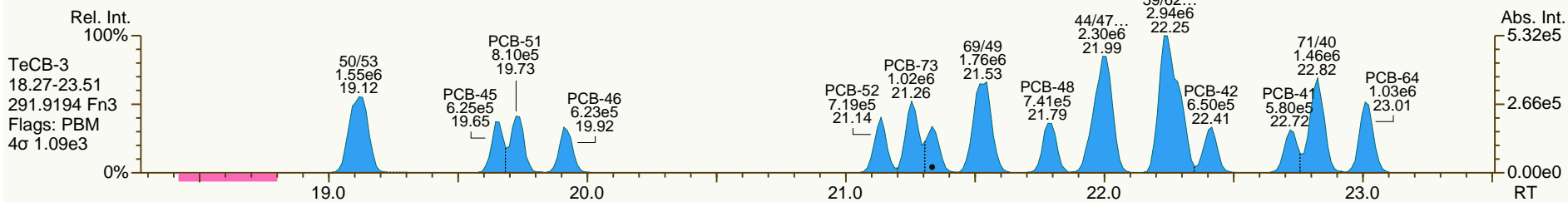
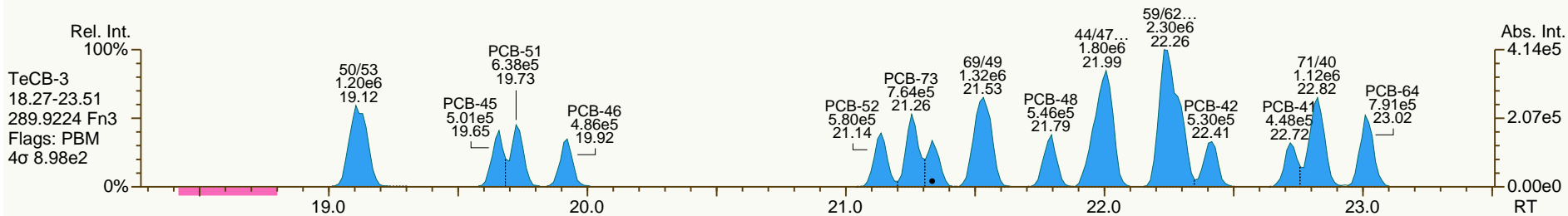
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Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

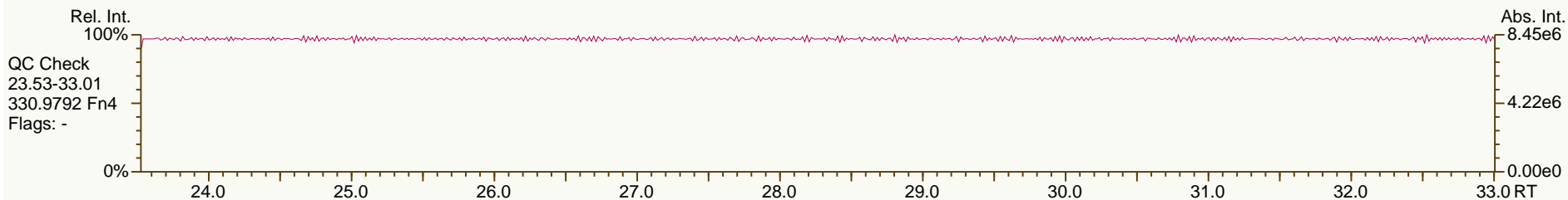
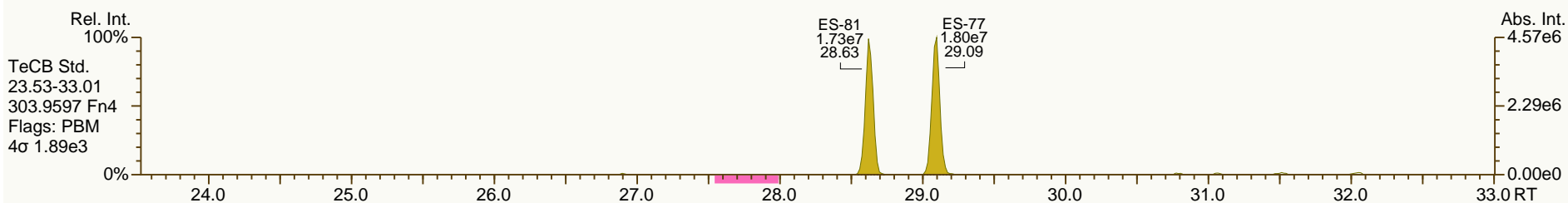
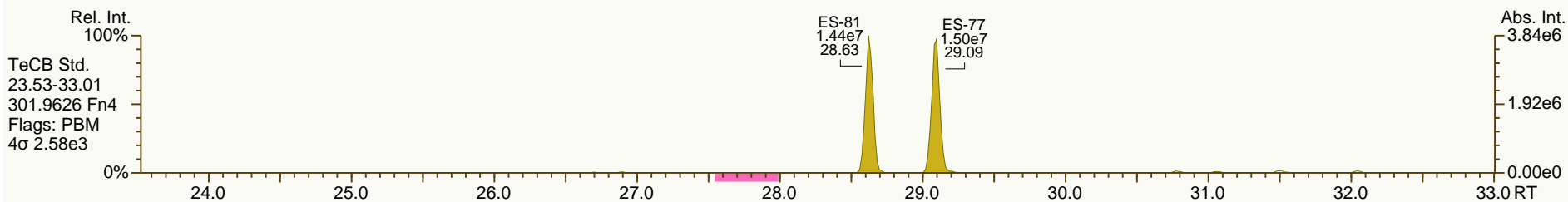
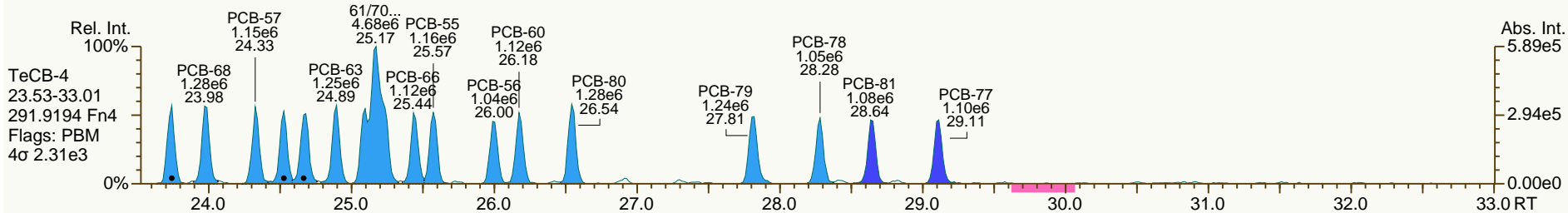
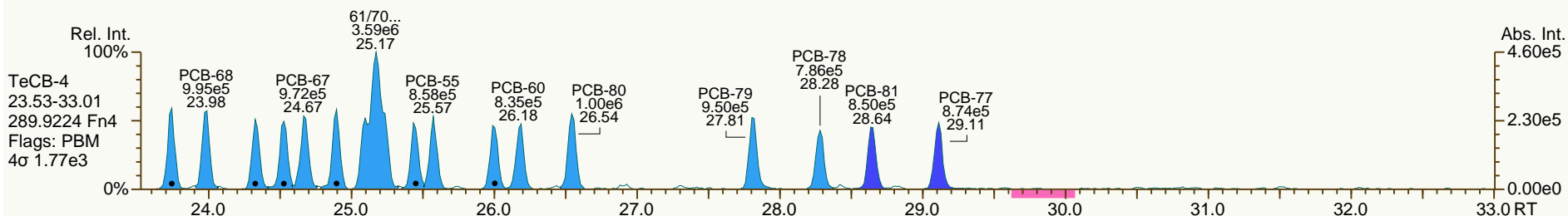
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Sample ID: SIL 12-65-4
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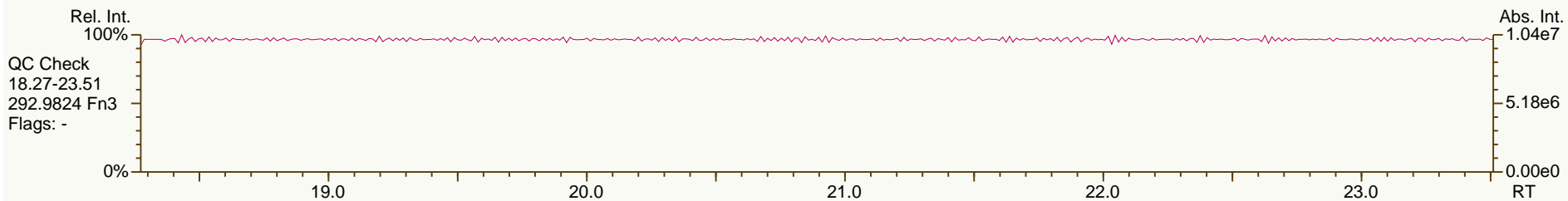
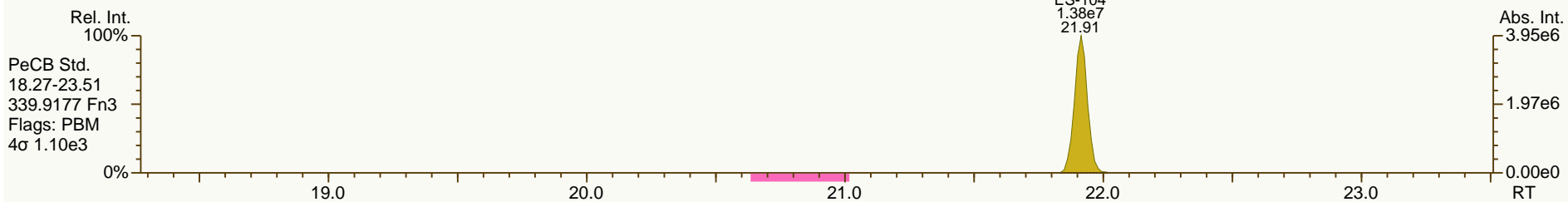
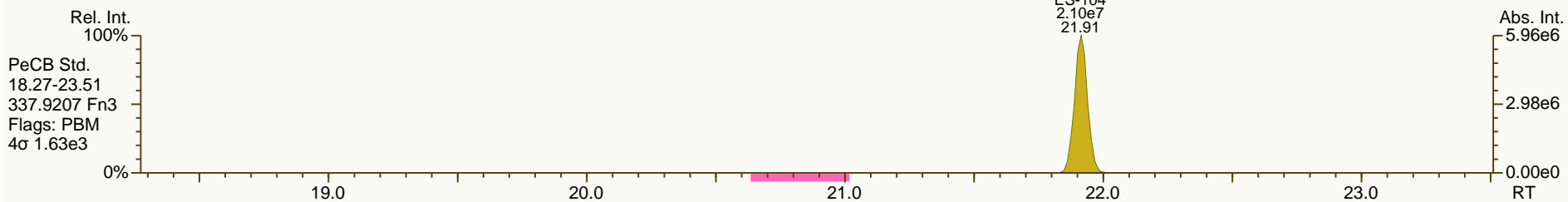
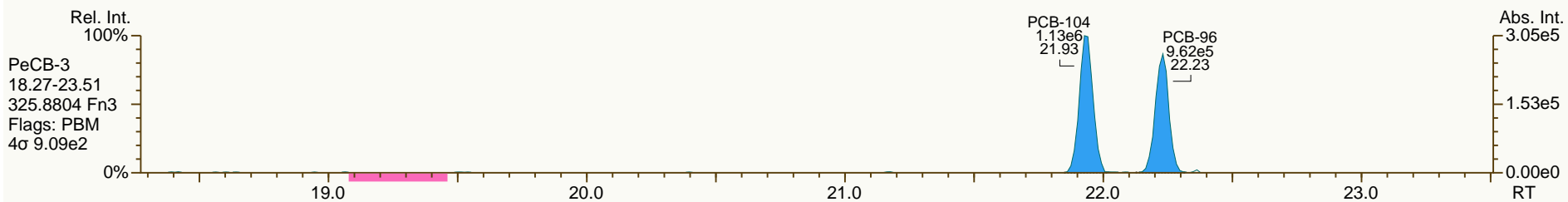
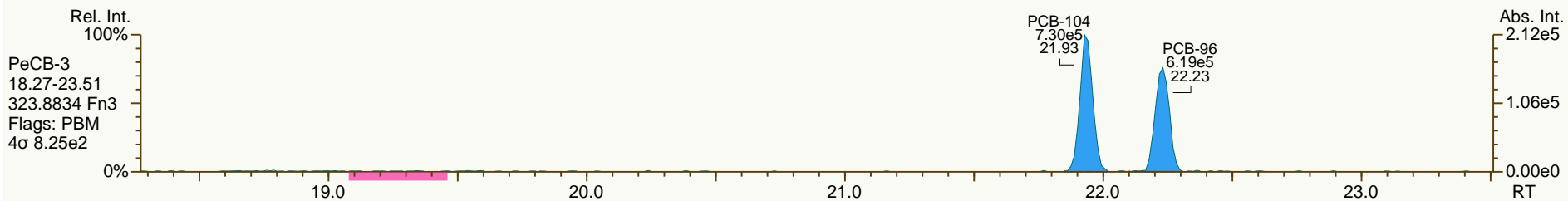
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SGS-AP ID: CS2_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

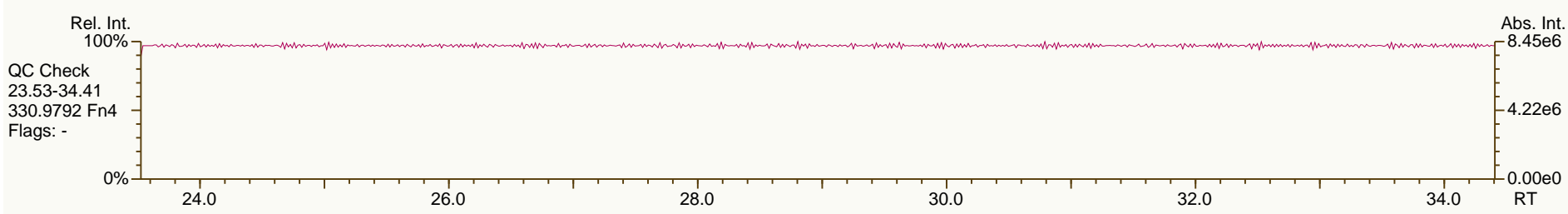
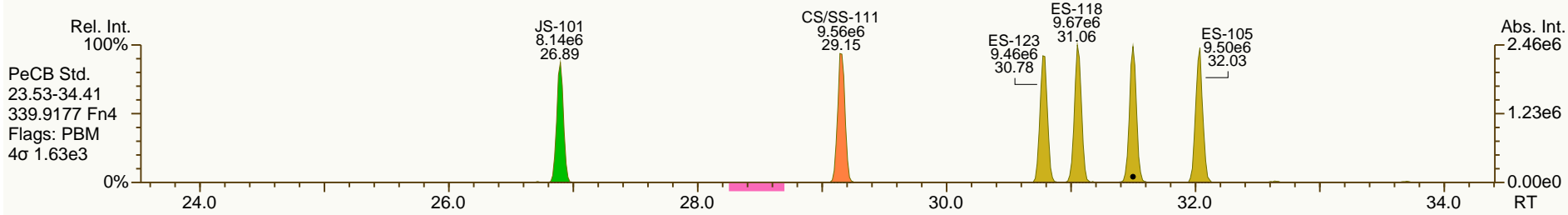
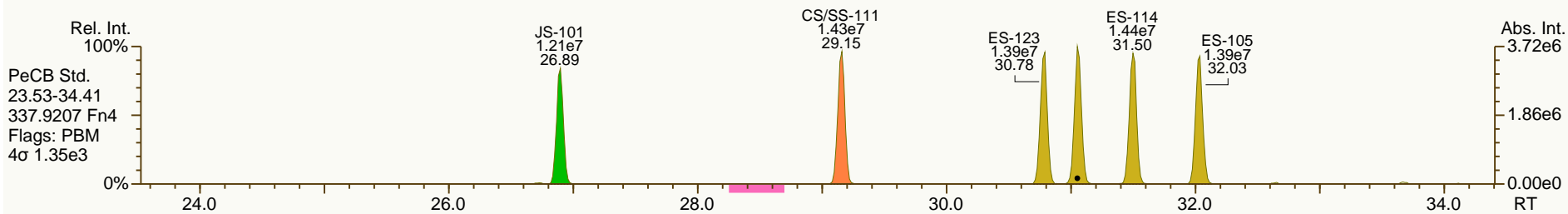
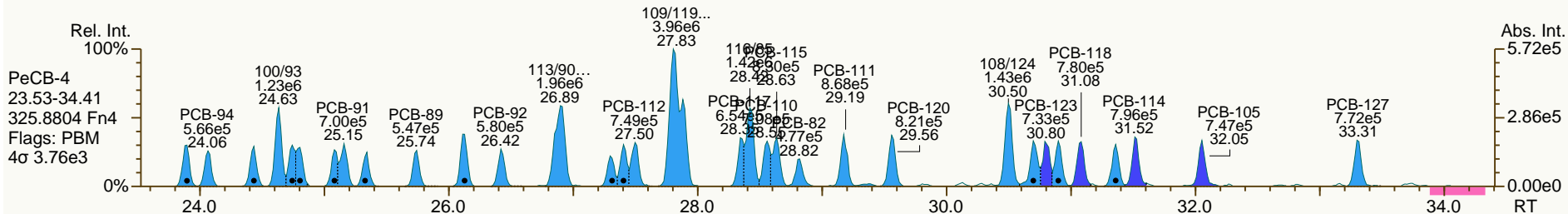
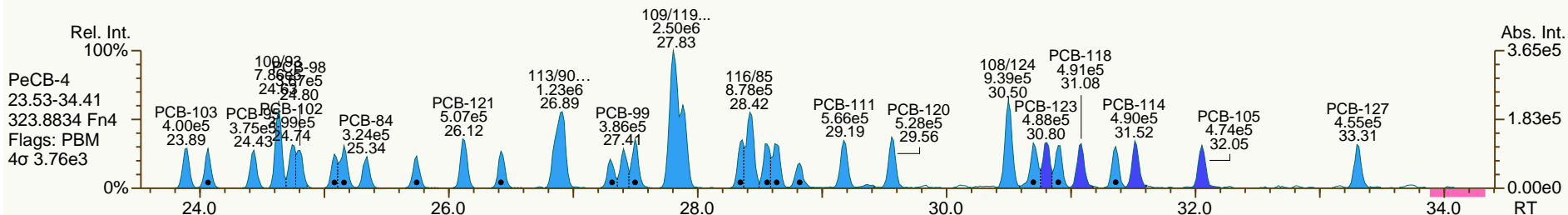
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SGS-AP ID: CS2_121214_PCB_VA
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Sample ID: SIL 12-65-4
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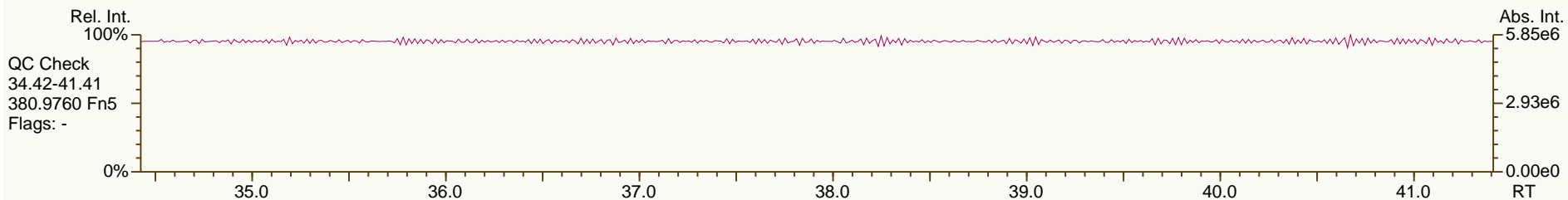
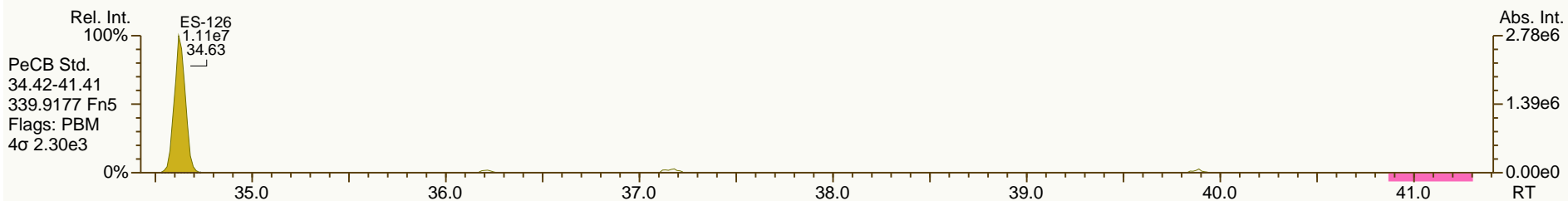
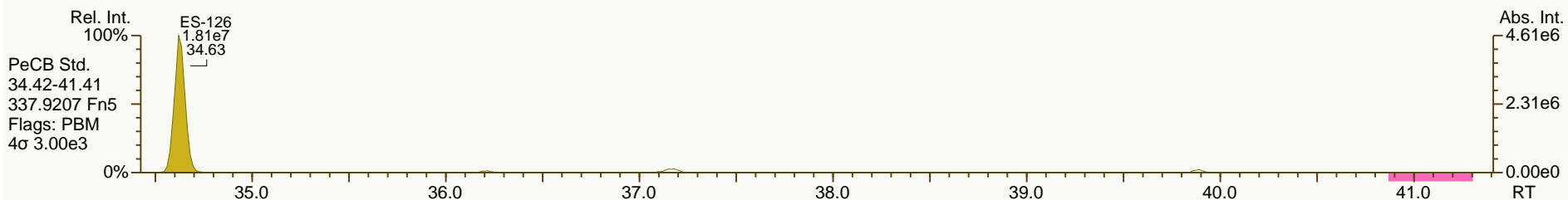
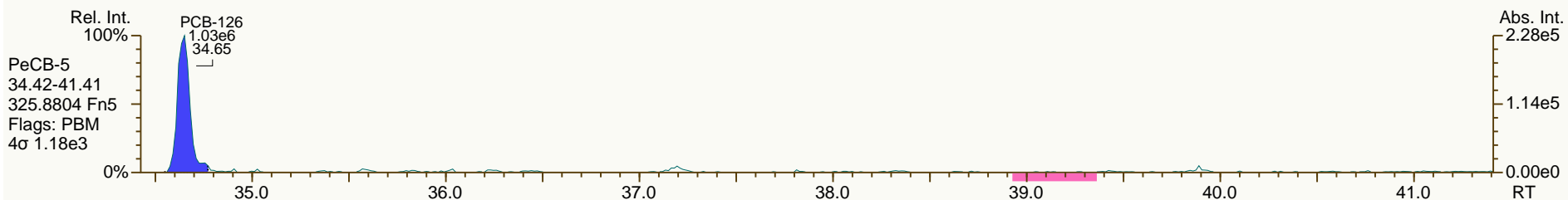
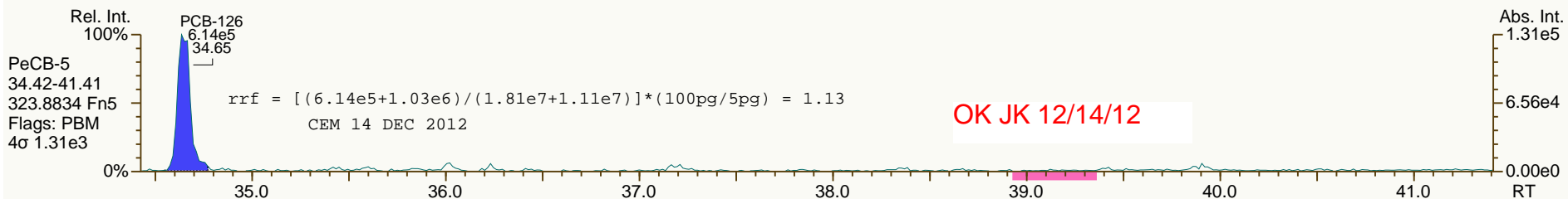
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Sample ID: SIL 12-65-4
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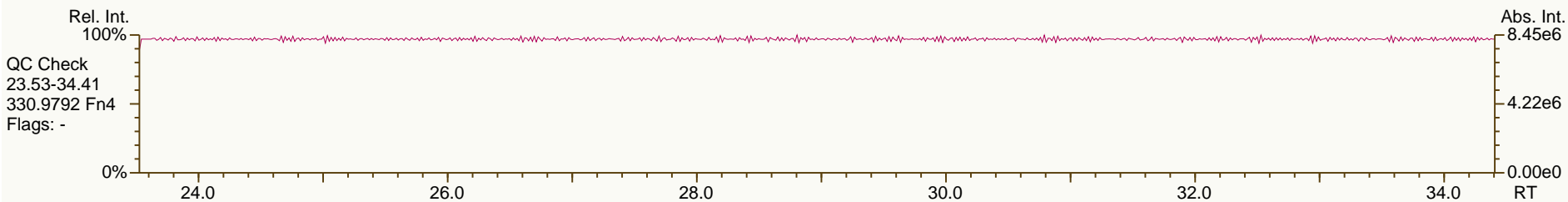
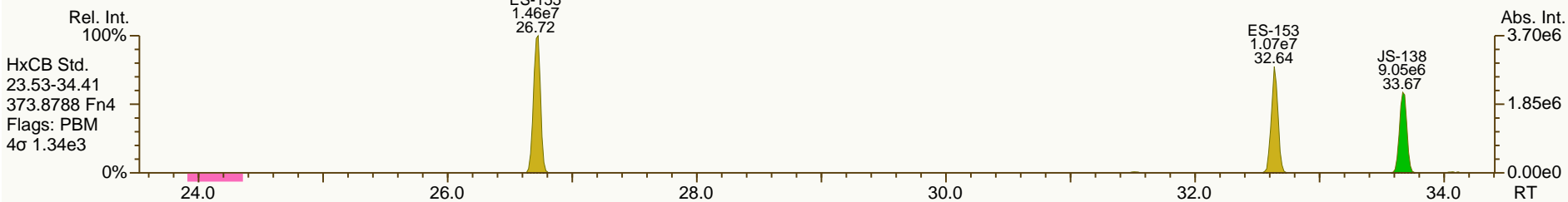
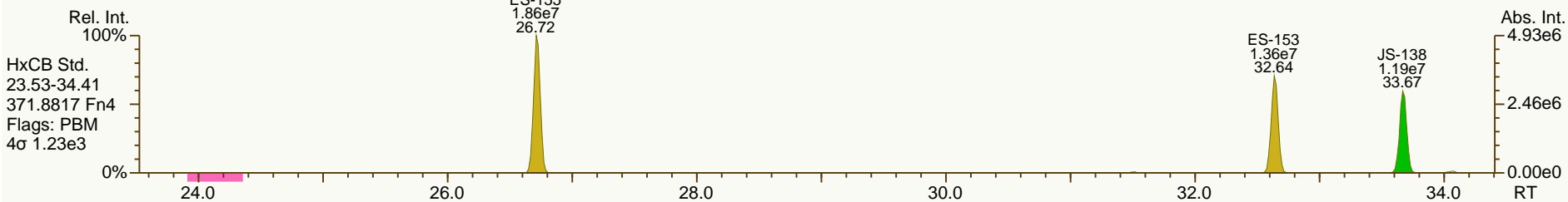
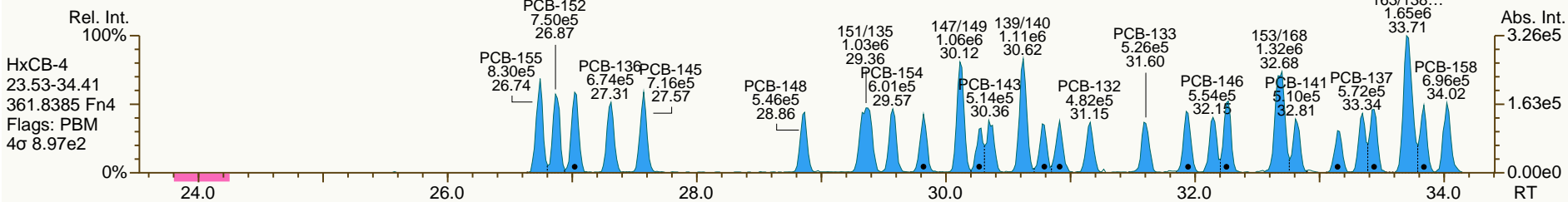
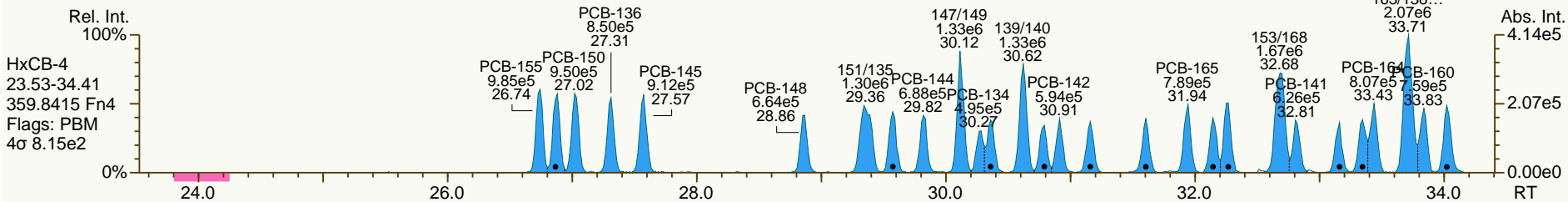
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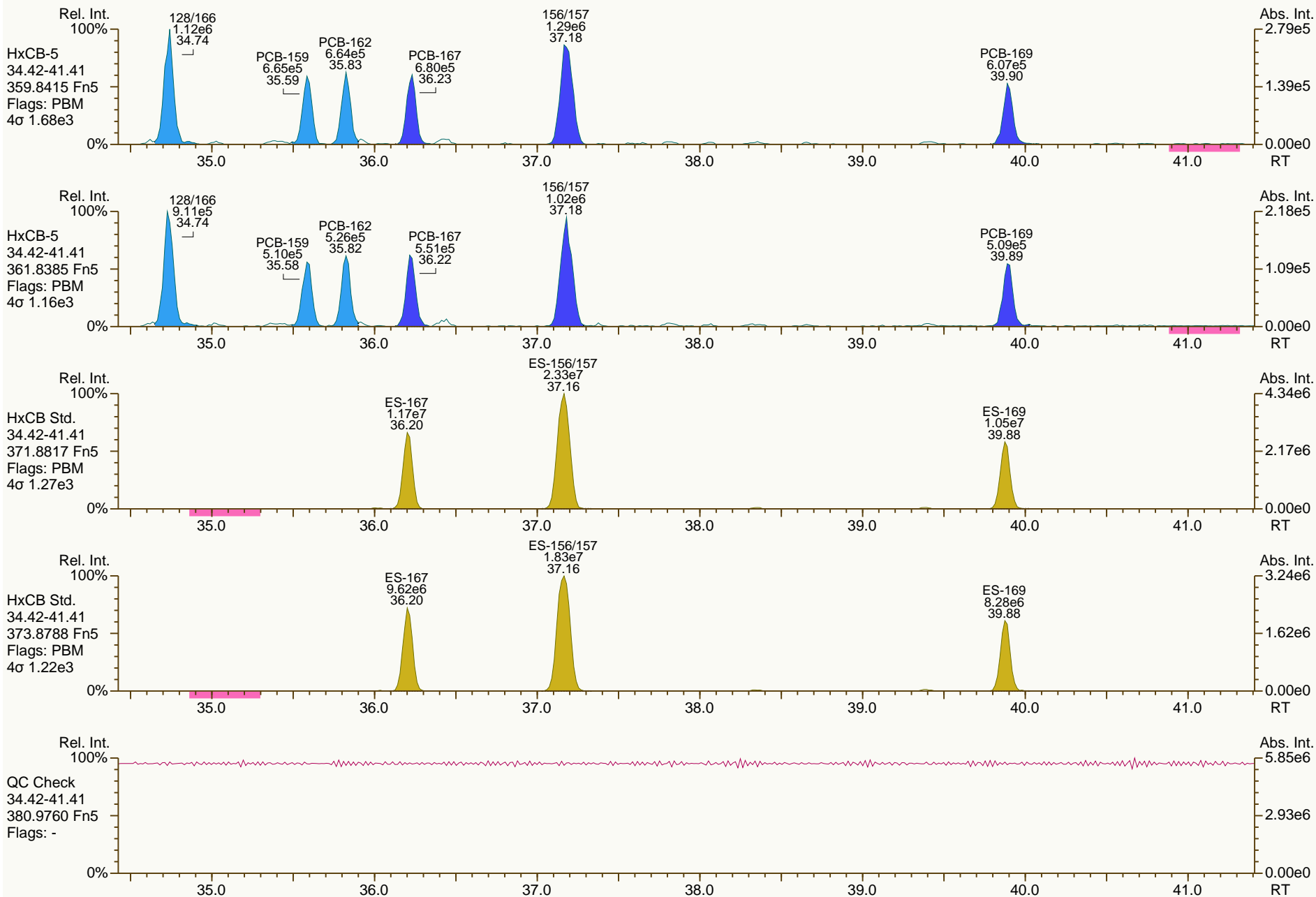
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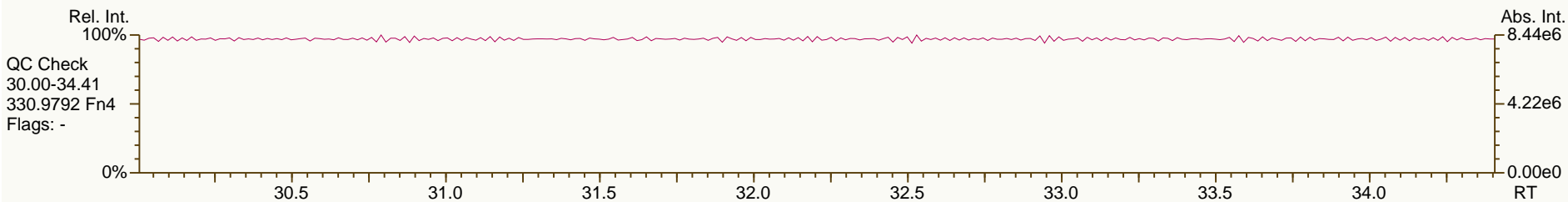
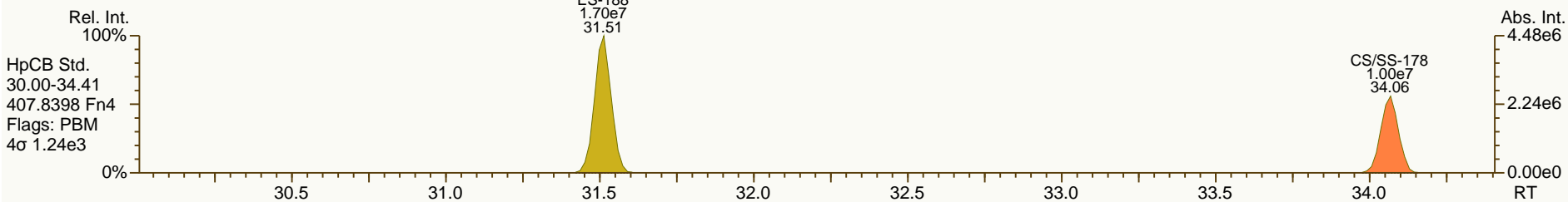
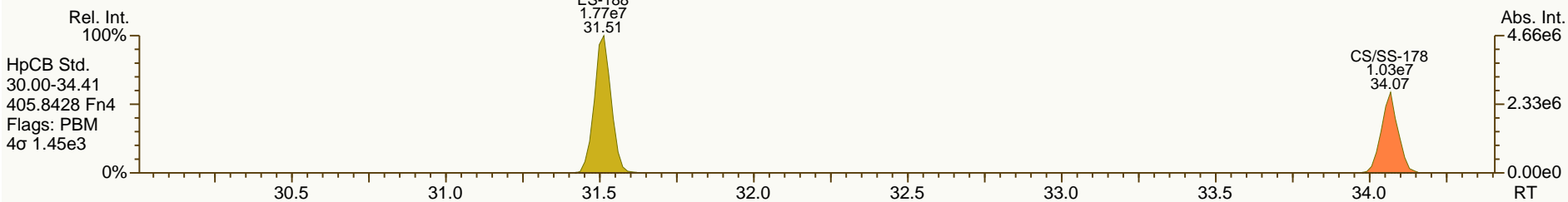
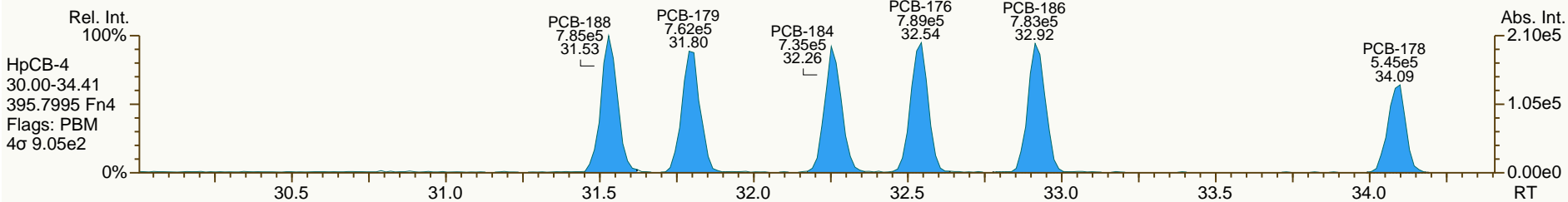
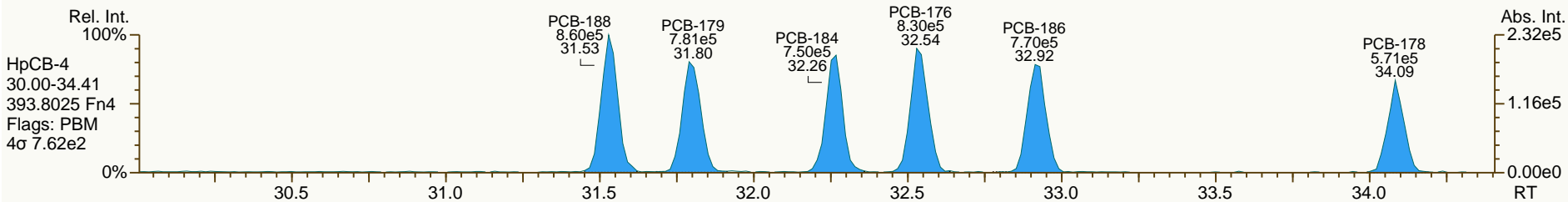
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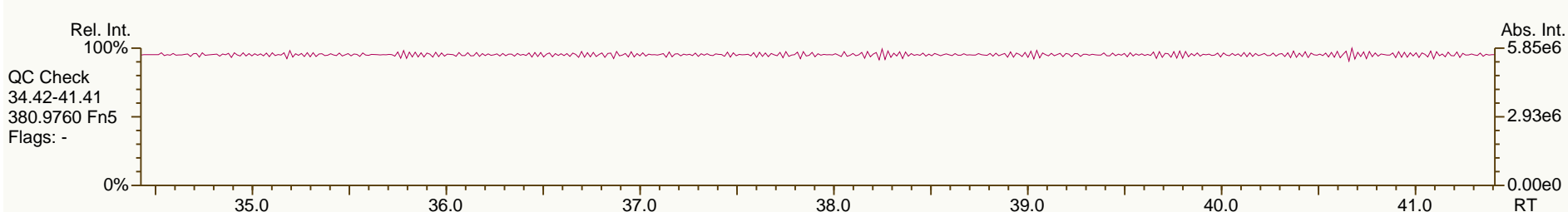
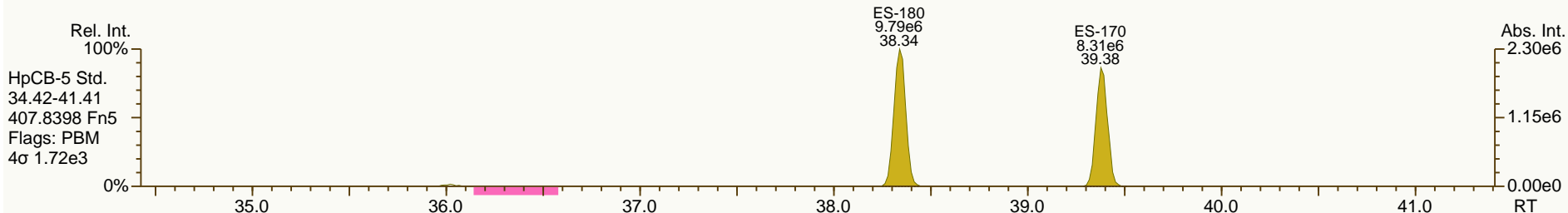
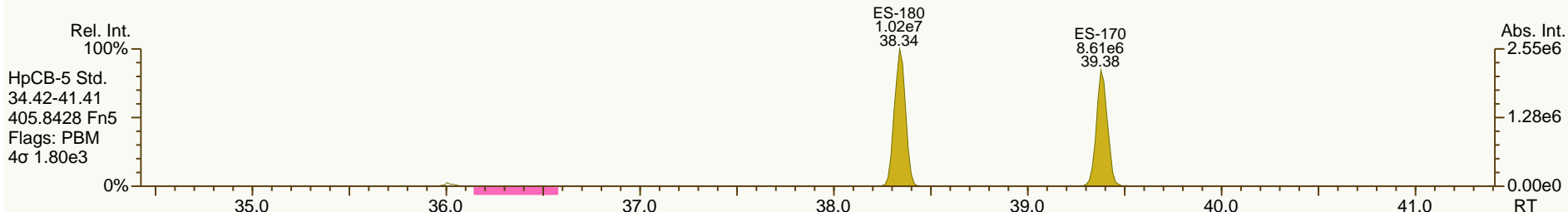
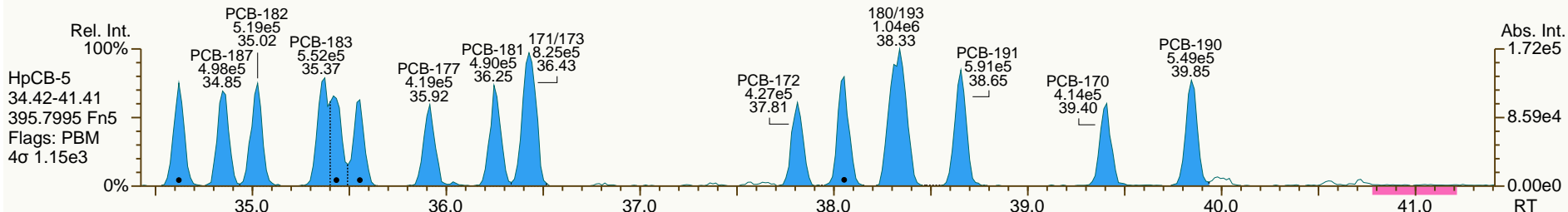
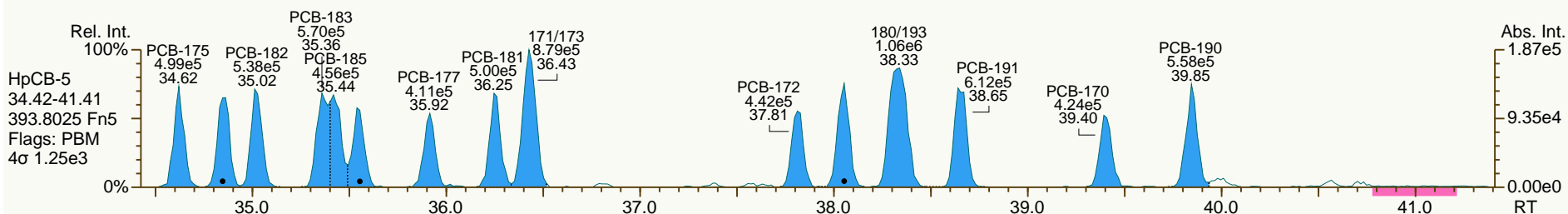
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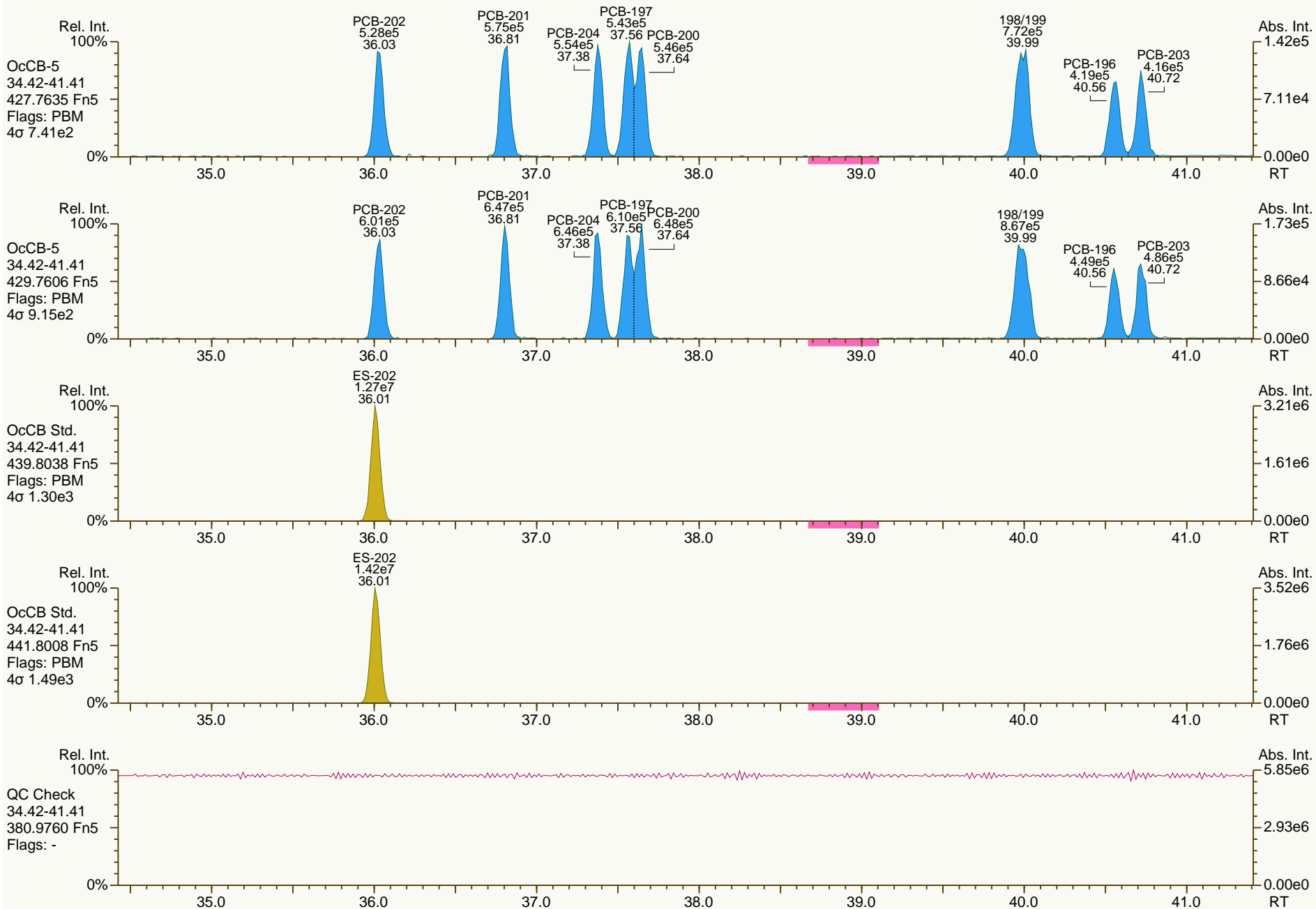
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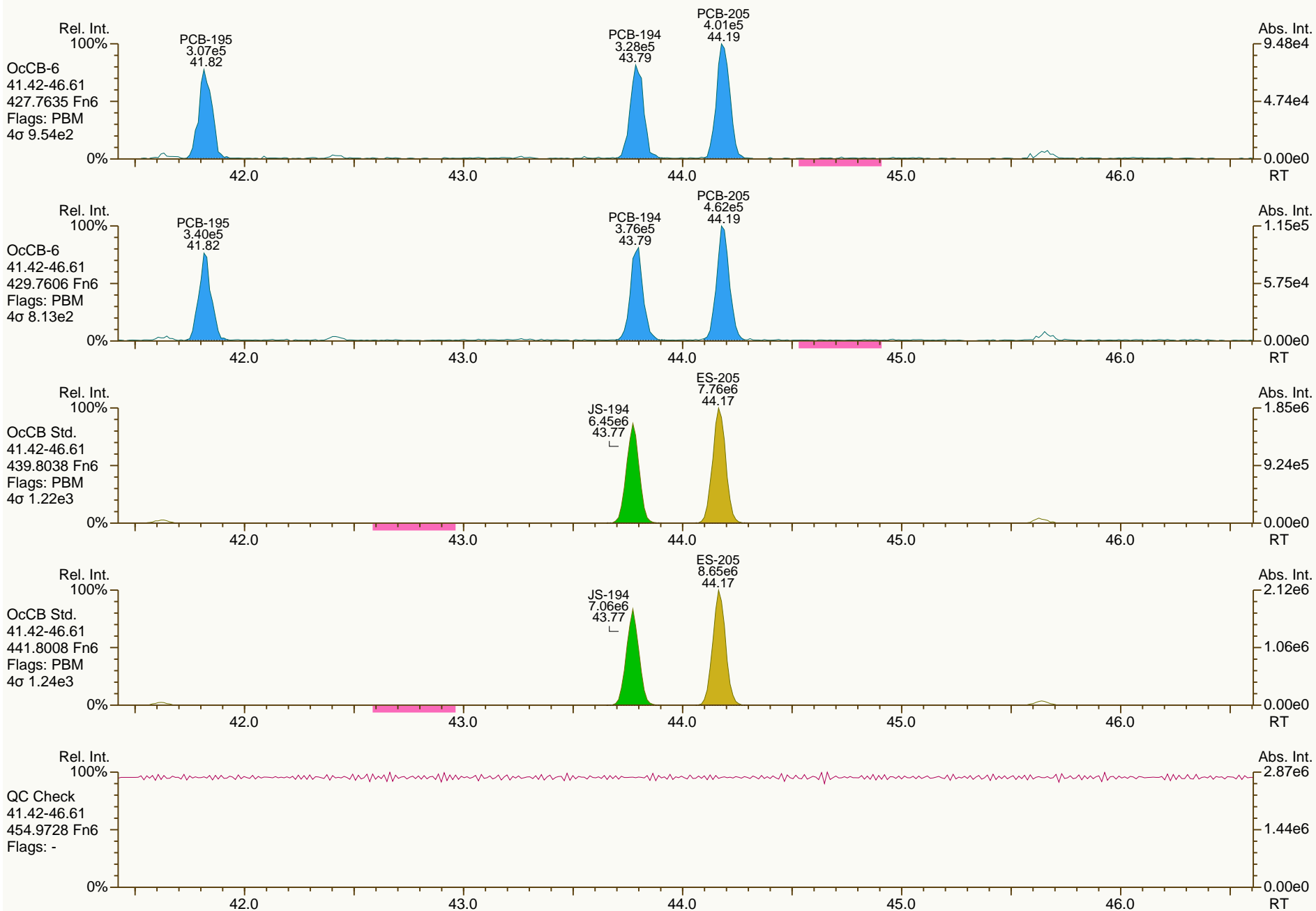
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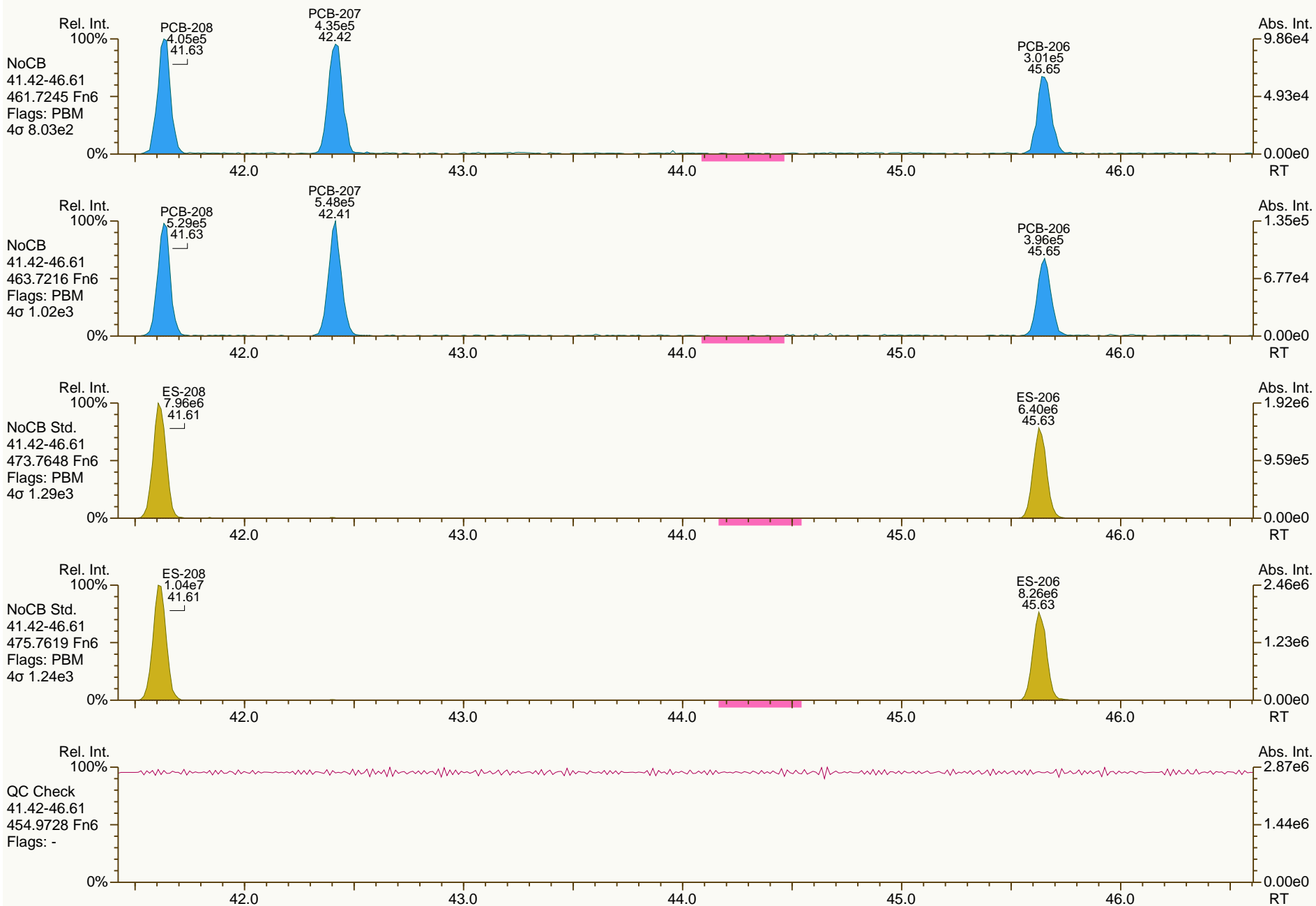
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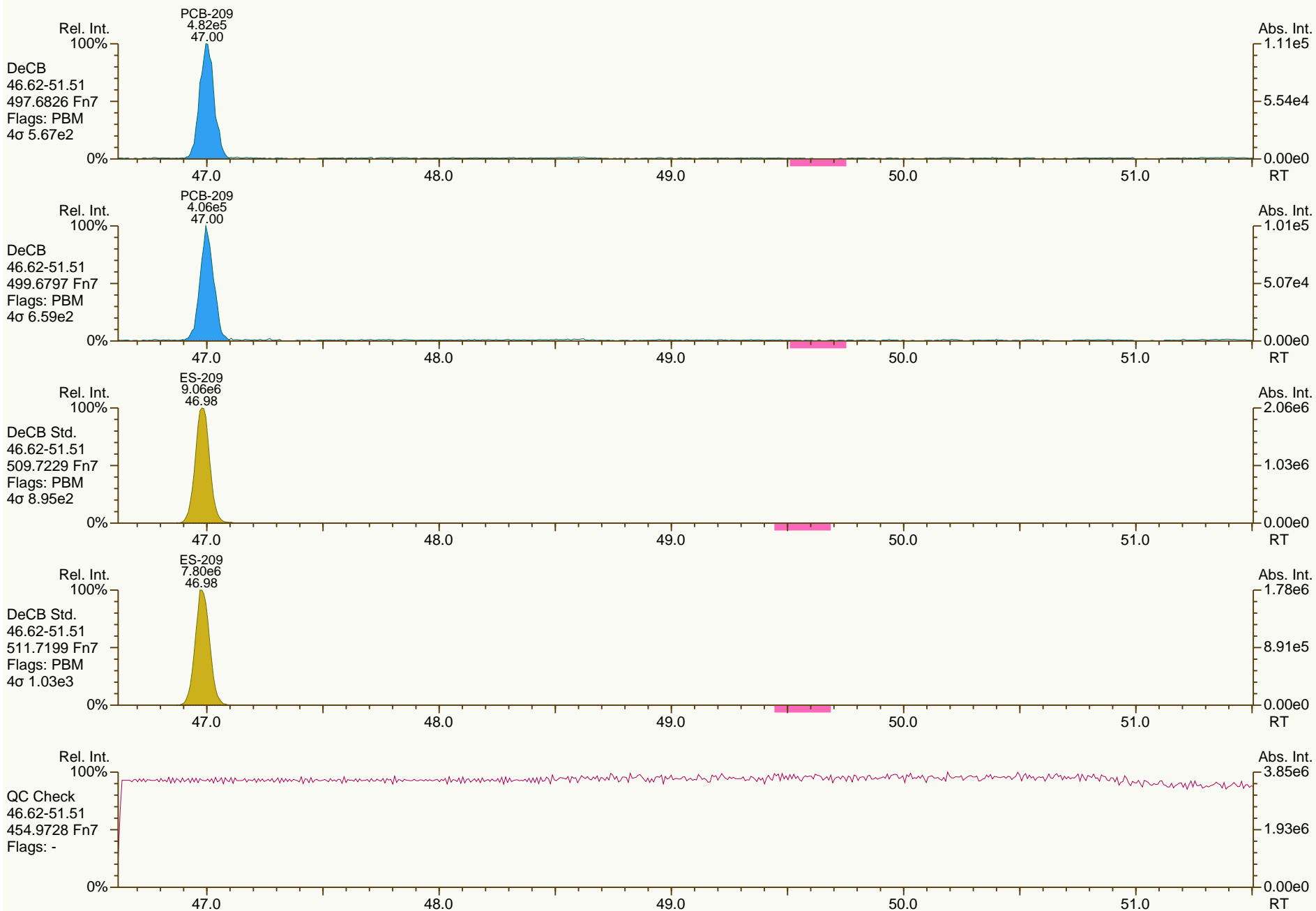
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 User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

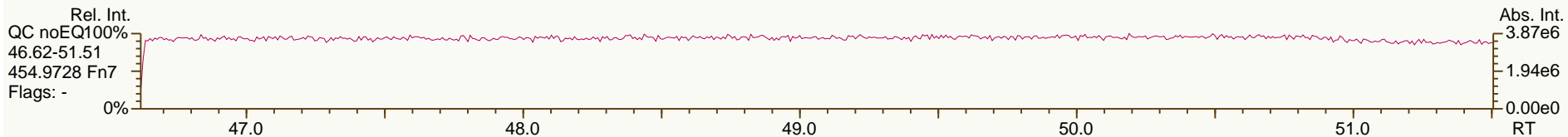
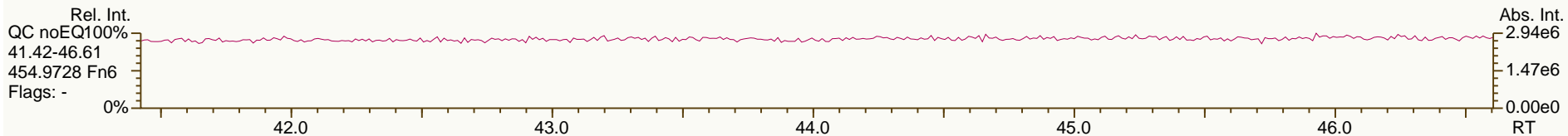
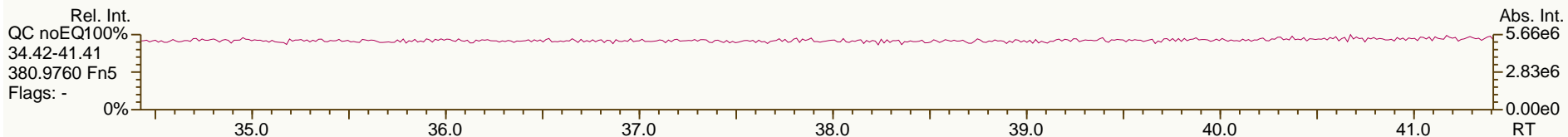
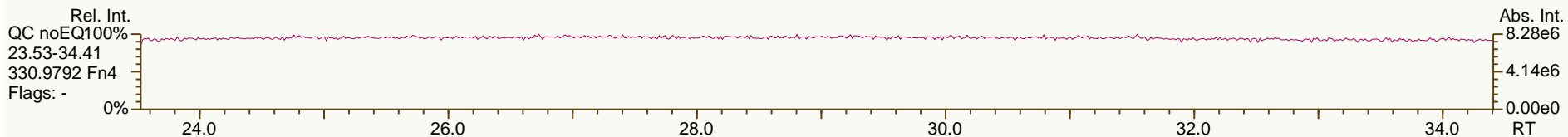
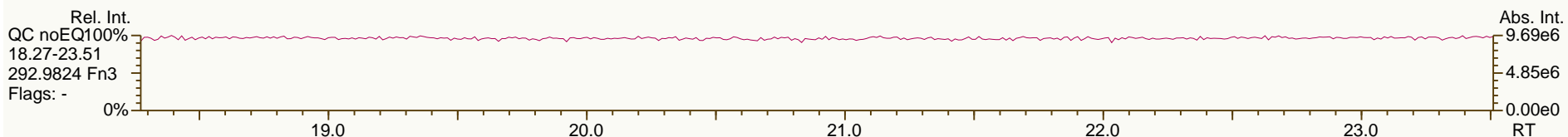
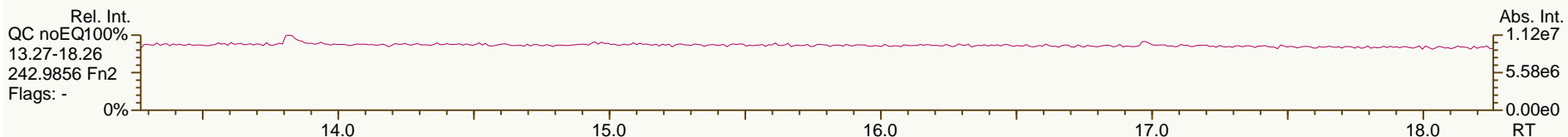
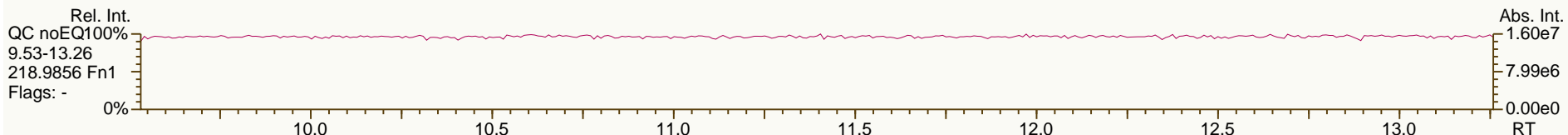
Acq: 14-Dec-2012 04:15:23
 User: CEM Datafile: 121214V04 (EQ)



SGS-AP ID: CS2_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 14-Dec-2012 04:15:23
 User: CEM Datafile: 121214V04 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.10	2.42E+07	0.76 Y	1.25	1.24	-0.4%	
PCB-81 344'5'-TeCB	28.64	2.32E+07	0.76 Y	1.26	1.28	1.5%	
PCB-105 233'44'-PeCB	32.05	1.42E+07	0.62 Y	1.06	1.05	-0.8%	
PCB-114 2344'5'-PeCB	31.52	1.61E+07	0.62 Y	1.11	1.14	2.5%	
PCB-118 23'44'5'-PeCB	31.07	1.55E+07	0.63 Y	1.08	1.09	1.3%	
PCB-123 23'44'5'-PeCB	30.80	1.65E+07	0.62 Y	1.12	1.19	6.0%	
PCB-126 33'44'5'-PeCB	34.64	1.81E+07	0.62 Y	1.16	1.12	-3.3%	
PCB-156/157 ...-HxCB	37.17	2.67E+07	1.25 Y	1.14	1.15	0.6%	
PCB-167 23'44'55'-HxCB	36.22	1.47E+07	1.26 Y	1.18	1.20	2.1%	
PCB-169 33'44'55'-HxCB	39.89	1.25E+07	1.27 Y	1.15	1.18	2.1%	
PCB-189 233'44'55'-HpCB	42.02	1.63E+07	1.05 Y	1.12	1.11	-0.1%	
PCB-209 DeCB	47.00	9.92E+06	1.18 Y	1.11	1.08	-3.2%	
ES PCB-1	9.82	6.05E+07	3.29 Y	0.97	0.97	-0.4%	
ES PCB-3	11.72	5.58E+07	3.36 Y	0.90	0.89	-0.9%	
ES PCB-4	11.93	4.37E+07	1.55 Y	0.70	0.70	-0.3%	
ES PCB-15	16.99	6.29E+07	1.65 Y	1.02	1.00	-1.1%	
ES PCB-19	14.61	3.07E+07	1.05 Y	0.53	0.49	-7.0%	
ES PCB-37	22.93	4.13E+07	1.10 Y	1.29	1.30	0.3%	
ES PCB-54	17.23	4.54E+07	0.79 Y	1.43	1.43	0.0%	
ES PCB-77	29.09	3.89E+07	0.82 Y	1.20	1.22	1.5%	
ES PCB-81	28.62	3.64E+07	0.84 Y	1.16	1.14	-1.5%	
ES PCB-104	21.91	4.09E+07	1.54 Y	1.70	1.69	-0.7%	
ES PCB-105	32.02	2.72E+07	1.46 Y	1.10	1.13	2.5%	
ES PCB-114	31.49	2.83E+07	1.51 Y	1.16	1.17	1.2%	
ES PCB-118	31.05	2.84E+07	1.51 Y	1.15	1.17	1.7%	
ES PCB-123	30.78	2.78E+07	1.48 Y	1.14	1.15	0.7%	
ES PCB-126	34.62	3.24E+07	1.60 Y	1.34	1.34	0.1%	
ES PCB-153	32.63	2.79E+07	1.32 Y	1.14	1.16	1.6%	
ES PCB-155	26.71	3.95E+07	1.26 Y	1.61	1.65	2.0%	
ES PCB-156/157	37.16	4.65E+07	1.25 Y	0.98	0.97	-0.8%	
ES PCB-167	36.20	2.44E+07	1.24 Y	1.01	1.02	0.8%	
ES PCB-169	39.87	2.13E+07	1.26 Y	0.90	0.89	-1.0%	
ES PCB-170	39.38	1.91E+07	1.02 Y	1.28	1.26	-1.6%	
ES PCB-180	38.33	2.29E+07	1.01 Y	1.54	1.51	-2.1%	
ES PCB-188	31.50	3.97E+07	1.04 Y	1.63	1.65	1.7%	
ES PCB-189	42.00	2.93E+07	1.07 Y	1.97	1.93	-1.9%	
ES PCB-202	36.00	3.04E+07	0.88 Y	1.26	1.27	0.5%	
ES PCB-205	44.16	1.84E+07	0.90 Y	1.22	1.21	-0.7%	
ES PCB-206	45.63	1.67E+07	0.76 Y	1.10	1.10	0.3%	
ES PCB-208	41.61	2.09E+07	0.76 Y	1.41	1.38	-2.3%	
ES PCB-209	46.98	1.84E+07	1.16 Y	1.24	1.21	-2.3%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	4.85E+07	1.10 Y	1.18	1.18	-0.2%	
SS PCB-111	29.15	2.77E+07	1.51 Y	1.01	1.00	-0.7%	
SS PCB-178	34.06	2.40E+07	1.02 Y	0.60	0.60	0.4%	
CS PCB-28	19.56	4.85E+07	1.10 Y	1.52	1.53	0.2%	
CS PCB-111	29.15	2.77E+07	1.51 Y	1.15	1.15	0.0%	
CS PCB-178	34.06	2.40E+07	1.02 Y	0.98	1.00	2.1%	
JS PCB-9	13.65	6.27E+07	1.62 Y	-	-	-	
JS PCB-52	21.11	3.18E+07	0.79 Y	-	-	-	
JS PCB-101	26.89	2.42E+07	1.52 Y	-	-	-	
JS PCB-138	33.66	2.40E+07	1.26 Y	-	-	-	
JS PCB-194	43.77	1.52E+07	0.91 Y	-	-	-	
PCB-1 2-MoCB	9.83	3.85E+07	3.11 Y	1.25	1.27	2.0%	
PCB-3 4-MoCB	11.73	3.64E+07	3.11 Y	1.27	1.30	3.0%	
PCB-4 22'-DiCB	11.95	1.97E+07	1.57 Y	0.90	0.90	0.4%	
PCB-15 44'-DiCB	17.00	3.50E+07	1.55 Y	1.10	1.11	1.5%	
PCB-19 22'6'-TrCB	14.62	1.51E+07	1.04 Y	0.95	0.98	4.0%	
PCB-37 344'-TrCB	22.95	2.90E+07	1.06 Y	1.39	1.40	1.2%	
PCB-54 22'66'-TeCB	17.25	2.45E+07	0.79 Y	1.05	1.08	2.5%	
PCB-104 22'466'-PeCB	21.93	2.29E+07	0.62 Y	1.12	1.12	0.0%	
PCB-153/168 ...-HxCB	32.68	3.44E+07	1.25 Y	1.24	1.23	-0.3%	
PCB-155 22'44'66'-HxCB	26.73	2.16E+07	1.20 Y	1.09	1.10	0.4%	
PCB-170 22'33'44'5'-HpCB	39.40	9.52E+06	1.03 Y	0.99	0.99	0.1%	
PCB-180/193 ...-HpCB	38.32	2.47E+07	1.04 Y	1.07	1.08	0.9%	
PCB-188 22'34'566'-HpCB	31.53	1.99E+07	1.03 Y	0.98	1.00	1.9%	
PCB-202 22'33'55'66'-OcCB	36.03	1.31E+07	0.89 Y	0.86	0.86	-0.7%	
PCB-205 233'44'55'6'-OcCB	44.18	1.06E+07	0.92 Y	1.13	1.15	1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.07E+07	0.78 Y	1.03	1.03	-0.7%	
PCB-206 22'33'44'55'6'-NoCB	45.65	8.01E+06	0.79 Y	0.97	0.96	-1.3%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.83	3.85E+07	3.11 Y	1.25	1.27	2.0%	
PCB-2 3-MoCB	11.58	3.68E+07	3.11 Y	1.28	1.32	3.2%	
PCB-3 4-MoCB	11.73	3.64E+07	3.11 Y	1.27	1.30	3.0%	
PCB-4 22'-DiCB	11.95	1.97E+07	1.57 Y	0.90	0.90	0.4%	
PCB-10 26'-DiCB	12.10	3.09E+07	1.54 Y	1.38	1.41	2.4%	
PCB-9 25'-DiCB	13.66	3.19E+07	1.53 Y	0.99	1.02	2.7%	
PCB-7 24'-DiCB	13.81	3.59E+07	1.55 Y	1.10	1.14	3.5%	
PCB-6 23'-DiCB	14.00	3.21E+07	1.55 Y	1.04	1.02	-1.7%	
PCB-5 23'-DiCB	14.27	3.23E+07	1.55 Y	1.02	1.03	0.2%	
PCB-8 24'-DiCB	14.37	3.35E+07	1.53 Y	1.03	1.07	3.2%	
PCB-14 35'-DiCB	15.77	3.88E+07	1.57 Y	1.20	1.23	2.6%	
PCB-11 33'-DiCB	16.48	3.28E+07	1.56 Y	1.03	1.04	1.5%	
PCB-13/12 34'/34'-DiCB	16.74	6.69E+07	1.55 Y	1.03	1.06	2.8%	
PCB-15 44'-DiCB	17.00	3.50E+07	1.55 Y	1.10	1.11	1.5%	
PCB-19 22'6'-TrCB	14.62	1.51E+07	1.04 Y	0.95	0.98	4.0%	
PCB-30/18 246/22'5'-TrCB	16.22	4.13E+07	1.04 Y	1.23	1.35	9.5%	
PCB-17 22'4'-TrCB	16.58	1.77E+07	1.03 Y	1.05	1.15	9.3%	
PCB-27 23'6'-TrCB	16.76	2.40E+07	1.03 Y	1.46	1.57	7.0%	
PCB-24 236'-TrCB	16.87	2.29E+07	1.03 Y	1.32	1.49	13.0%	
PCB-16 22'3'-TrCB	16.96	1.39E+07	1.02 Y	0.81	0.91	12.3%	
PCB-32 24'6'-TrCB	17.40	2.50E+07	1.03 Y	1.48	1.63	10.6%	
PCB-34 23'5'-TrCB	18.49	3.10E+07	1.06 Y	1.46	1.50	2.9%	
PCB-23 235'-TrCB	18.62	3.15E+07	1.05 Y	1.50	1.53	1.4%	
PCB-26/29 23'5'/245'-TrCB	18.89	6.42E+07	1.06 Y	1.53	1.56	1.8%	
PCB-25 23'4'-TrCB	19.07	3.26E+07	1.06 Y	1.53	1.58	2.9%	
PCB-31 24'5'-TrCB	19.33	3.29E+07	1.05 Y	1.55	1.59	2.6%	
PCB-28/20 244'/233'-TrCB	19.59	6.33E+07	1.06 Y	1.51	1.53	1.8%	
PCB-21/33 234/23'4'-TrCB	19.75	6.46E+07	1.05 Y	1.55	1.56	1.2%	
PCB-22 234'-TrCB	20.11	2.89E+07	1.06 Y	1.40	1.40	0.2%	
PCB-36 33'5'-TrCB	21.44	3.13E+07	1.06 Y	1.52	1.51	-0.2%	
PCB-39 34'5'-TrCB	21.74	3.28E+07	1.05 Y	1.58	1.59	0.3%	
PCB-38 345'-TrCB	22.23	2.92E+07	1.06 Y	1.47	1.41	-3.8%	
PCB-35 33'4'-TrCB	22.61	2.80E+07	1.05 Y	1.33	1.36	1.6%	
PCB-37 344'-TrCB	22.95	2.90E+07	1.06 Y	1.39	1.40	1.2%	
PCB-54 22'66'-TeCB	17.25	2.45E+07	0.79 Y	1.05	1.08	2.5%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	3.29E+07	0.78 Y	0.88	0.90	3.0%	
PCB-45 22'36'-TeCB	19.65	1.42E+07	0.77 Y	0.73	0.78	6.2%	
PCB-51 22'46'-TeCB	19.72	1.67E+07	0.77 Y	0.94	0.92	-2.0%	
PCB-46 22'36'-TeCB	19.91	1.34E+07	0.78 Y	0.72	0.73	2.3%	
PCB-52 22'55'-TeCB	21.13	1.57E+07	0.77 Y	0.82	0.86	4.8%	
PCB-73 23'5'6'-TeCB	21.25	2.04E+07	0.76 Y	1.10	1.12	1.8%	
PCB-43 22'35'-TeCB	21.33	1.35E+07	0.78 Y	0.70	0.74	5.1%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	3.76E+07	0.77 Y	1.01	1.03	2.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.78	1.56E+07	0.78 Y	0.84	0.86	1.7%	
PCB-44/47/65 ...-TeCB	21.99	4.96E+07	0.77 Y	0.90	0.91	0.8%	
PCB-59/62/75 ...-TeCB	22.25	6.33E+07	0.77 Y	1.15	1.16	0.3%	
PCB-42 22'34'-TeCB	22.41	1.42E+07	0.77 Y	0.76	0.78	1.8%	
PCB-41 22'34'-TeCB	22.72	1.29E+07	0.76 Y	0.64	0.71	10.4%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	3.10E+07	0.77 Y	0.83	0.85	2.3%	
PCB-64 23'4'6'-TeCB	23.01	2.19E+07	0.77 Y	1.17	1.20	2.4%	
PCB-72 23'55'-TeCB	23.73	2.59E+07	0.77 Y	1.37	1.42	4.0%	
PCB-68 23'45'-TeCB	23.97	2.75E+07	0.78 Y	1.52	1.51	-0.2%	
PCB-57 23'3'5'-TeCB	24.32	2.48E+07	0.77 Y	1.32	1.36	2.8%	
PCB-58 23'3'5'-TeCB	24.52	2.47E+07	0.76 Y	1.34	1.36	1.4%	
PCB-67 23'45'-TeCB	24.67	2.67E+07	0.75 Y	1.41	1.47	3.9%	
PCB-63 23'4'5'-TeCB	24.89	2.76E+07	0.77 Y	1.46	1.51	3.9%	
PCB-61/70/74/76 ...-TeCB	25.16	1.02E+08	0.77 Y	1.37	1.40	2.5%	
PCB-66 23'44'-TeCB	25.44	2.33E+07	0.77 Y	1.24	1.28	3.0%	
PCB-55 23'3'4'-TeCB	25.57	2.43E+07	0.77 Y	1.28	1.33	4.3%	
PCB-56 23'3'4'-TeCB	25.99	2.31E+07	0.78 Y	1.23	1.27	3.4%	
PCB-60 23'44'-TeCB	26.17	2.41E+07	0.76 Y	1.30	1.32	1.8%	
PCB-80 33'55'-TeCB	26.54	2.74E+07	0.77 Y	1.44	1.50	4.7%	
PCB-79 33'4'5'-TeCB	27.81	2.76E+07	0.78 Y	1.48	1.52	2.8%	
PCB-78 33'4'5'-TeCB	28.27	2.24E+07	0.79 Y	1.21	1.23	1.9%	
PCB-104 22'466'-PeCB	21.93	2.29E+07	0.62 Y	1.12	1.12	0.0%	
PCB-96 22'366'-PeCB	22.22	1.94E+07	0.63 Y	0.96	0.95	-1.3%	
PCB-103 22'45'6'-PeCB	23.88	1.31E+07	0.62 Y	0.93	0.94	1.1%	
PCB-94 22'356'-PeCB	24.06	1.15E+07	0.62 Y	0.81	0.83	2.3%	
PCB-95 22'35'6'-PeCB	24.42	1.20E+07	0.63 Y	0.85	0.87	2.2%	
PCB-100/93 22'44'6/22'356'-PeCB	24.62	2.39E+07	0.62 Y	0.88	0.86	-2.7%	
PCB-102 22'456'-PeCB	24.74	1.40E+07	0.62 Y	0.93	1.01	8.3%	
PCB-98 22'34'6'-PeCB	24.80	1.08E+07	0.64 Y	0.84	0.77	-7.6%	
PCB-88 22'346'-PeCB	25.08	1.07E+07	0.61 Y	0.77	0.77	-0.6%	
PCB-91 22'34'6'-PeCB	25.15	1.32E+07	0.63 Y	0.96	0.95	-0.9%	
PCB-84 22'33'6'-PeCB	25.33	1.02E+07	0.63 Y	0.72	0.74	2.2%	
PCB-89 22'346'-PeCB	25.73	1.08E+07	0.63 Y	0.77	0.78	0.6%	
PCB-121 23'45'6'-PeCB	26.11	1.60E+07	0.63 Y	1.15	1.15	0.7%	
PCB-92 22'355'-PeCB	26.42	1.12E+07	0.62 Y	0.79	0.81	2.1%	
PCB-113/90/101 ...-PeCB	26.88	4.00E+07	0.63 Y	0.95	0.96	0.5%	
PCB-83 22'33'5'-PeCB	27.30	9.44E+06	0.62 Y	0.72	0.68	-5.6%	
PCB-99 22'44'5'-PeCB	27.40	1.32E+07	0.64 Y	0.90	0.95	6.0%	
PCB-112 23'3'56'-PeCB	27.49	1.47E+07	0.63 Y	1.09	1.06	-3.1%	
PCB-109/119/86/97/125...-PeCB	27.83	7.92E+07	0.62 Y	0.95	0.95	0.3%	
PCB-117 23'4'56'-PeCB	28.34	1.43E+07	0.62 Y	0.99	1.03	4.2%	
PCB-116/85 23'456/22'344'-PeCB	28.42	2.62E+07	0.63 Y	0.96	0.95	-1.5%	
PCB-110 23'3'4'6'-PeCB	28.55	1.47E+07	0.62 Y	1.01	1.06	5.2%	

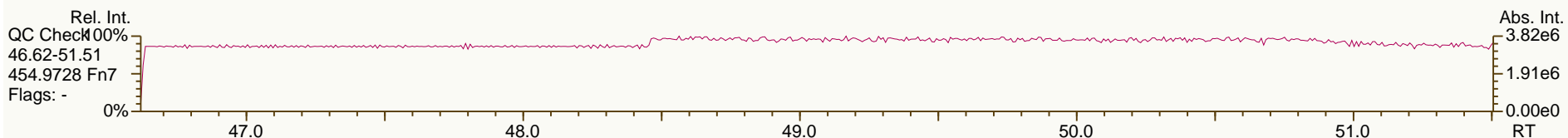
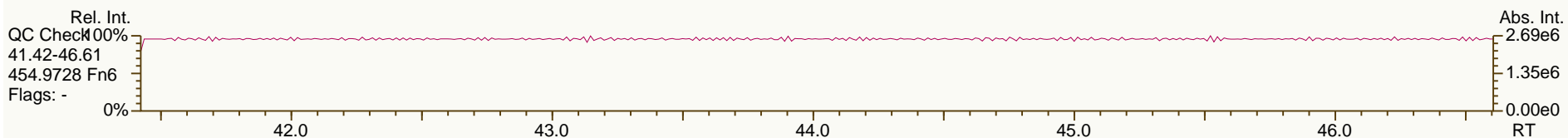
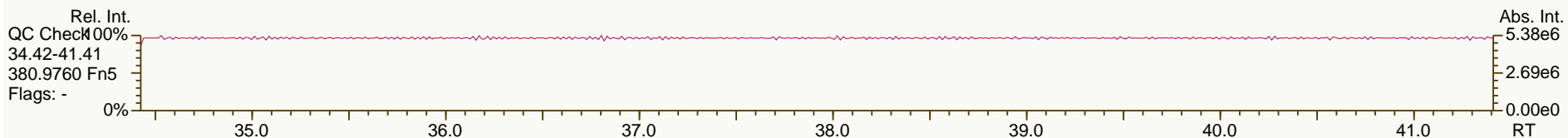
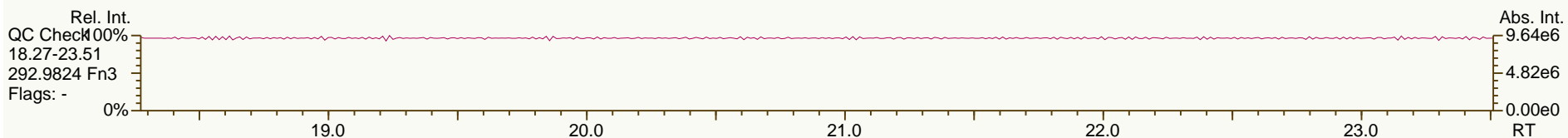
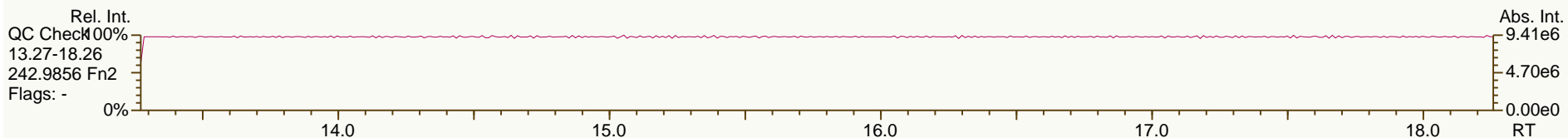
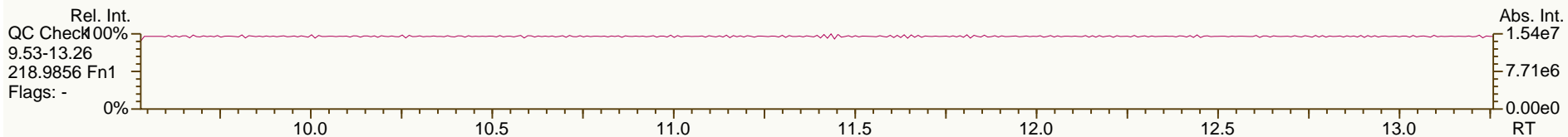
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6-PeCB	28.63	1.51E+07	0.62 Y	1.15	1.09	-5.3%	
PCB-82 22'33'4-PeCB	28.81	9.47E+06	0.62 Y	0.70	0.68	-2.4%	
PCB-111 233'55'-PeCB	29.17	1.57E+07	0.63 Y	1.16	1.13	-3.1%	
PCB-120 23'455'-PeCB	29.56	1.60E+07	0.62 Y	1.14	1.15	1.2%	
PCB-108/124 ...-PeCB	30.49	2.84E+07	0.63 Y	1.02	1.02	0.4%	
PCB-107 233'4'5-PeCB	30.69	1.56E+07	0.63 Y	1.13	1.12	-1.0%	
PCB-106 233'45-PeCB	30.90	1.42E+07	0.64 Y	1.01	1.02	1.2%	
PCB-122 233'4'5'-PeCB	31.35	1.35E+07	0.63 Y	0.91	0.95	4.8%	
PCB-127 33'455'-PeCB	33.30	1.41E+07	0.62 Y	1.06	1.03	-2.0%	
PCB-155 22'44'66'-HxCB	26.73	2.16E+07	1.20 Y	1.09	1.10	0.4%	
PCB-152 22'3566'-HxCB	26.87	2.04E+07	1.24 Y	1.04	1.03	-0.8%	
PCB-150 22'34'66'-HxCB	27.02	2.04E+07	1.25 Y	1.03	1.03	0.7%	
PCB-136 22'33'66'-HxCB	27.30	1.87E+07	1.25 Y	0.97	0.94	-3.1%	
PCB-145 22'3466'-HxCB	27.57	1.90E+07	1.24 Y	0.96	0.96	-0.1%	
PCB-148 22'34'56'-HxCB	28.85	1.44E+07	1.23 Y	1.03	1.04	0.3%	
PCB-151/135 ...-HxCB	29.35	2.79E+07	1.26 Y	0.99	1.00	0.9%	
PCB-154 22'44'56'-HxCB	29.57	1.59E+07	1.22 Y	1.17	1.14	-2.7%	
PCB-144 22'345'6-HxCB	29.81	1.44E+07	1.23 Y	1.03	1.03	0.5%	
PCB-147/149 ...-HxCB	30.11	2.83E+07	1.25 Y	1.02	1.02	-0.1%	
PCB-134 22'33'56-HxCB	30.27	1.17E+07	1.25 Y	0.80	0.84	4.5%	
PCB-143 22'3456'-HxCB	30.35	1.33E+07	1.24 Y	0.95	0.96	0.7%	
PCB-139/140 ...-HxCB	30.62	2.89E+07	1.24 Y	1.05	1.04	-1.3%	
PCB-131 22'33'46-HxCB	30.77	1.25E+07	1.25 Y	0.90	0.90	0.4%	
PCB-142 22'3456-HxCB	30.90	1.28E+07	1.23 Y	0.93	0.92	-0.9%	
PCB-132 22'33'46'-HxCB	31.15	1.27E+07	1.25 Y	0.93	0.91	-2.2%	
PCB-133 22'33'55'-HxCB	31.60	1.35E+07	1.25 Y	0.97	0.97	-0.2%	
PCB-165 233'55'6-HxCB	31.93	1.64E+07	1.24 Y	1.16	1.18	1.2%	
PCB-146 22'34'55'-HxCB	32.14	1.38E+07	1.24 Y	1.01	0.99	-2.2%	
PCB-161 233'45'6-HxCB	32.25	1.83E+07	1.25 Y	1.29	1.31	1.3%	
PCB-153/168 ...-HxCB	32.68	3.44E+07	1.25 Y	1.24	1.23	-0.3%	
PCB-141 22'3455'-HxCB	32.81	1.30E+07	1.24 Y	0.95	0.93	-1.3%	
PCB-130 22'33'45'-HxCB	33.15	1.17E+07	1.24 Y	0.82	0.84	2.0%	
PCB-137 22'344'5-HxCB	33.34	1.34E+07	1.21 Y	0.97	0.96	-0.8%	
PCB-164 233'4'5'6-HxCB	33.43	1.80E+07	1.23 Y	1.25	1.29	3.5%	
PCB-163/138/129 ...-HxCB	33.70	4.21E+07	1.24 Y	1.04	1.01	-3.4%	
PCB-160 233'456-HxCB	33.83	1.69E+07	1.27 Y	1.19	1.22	2.1%	
PCB-158 233'44'6-HxCB	34.02	1.88E+07	1.26 Y	1.34	1.35	0.6%	
PCB-128/166 ...-HxCB	34.73	2.36E+07	1.27 Y	0.96	0.97	0.6%	
PCB-159 233'455'-HxCB	35.58	1.39E+07	1.25 Y	1.12	1.14	1.4%	
PCB-162 233'4'55'-HxCB	35.82	1.40E+07	1.25 Y	1.13	1.15	2.0%	
PCB-188 22'34'566'-HpCB	31.53	1.99E+07	1.03 Y	0.98	1.00	1.9%	
PCB-179 22'33'566'-HpCB	31.79	1.79E+07	1.04 Y	0.90	0.90	0.6%	
PCB-184 22'344'66'-HpCB	32.25	1.72E+07	1.05 Y	0.86	0.87	0.4%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS3_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 05:09						
Datafile:	121214V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	1.96E+07	1.02 Y	0.97	0.99	1.7%	
PCB-186 22'34566'-HpCB	32.91	1.84E+07	1.03 Y	0.93	0.93	0.3%	
PCB-178 22'33'55'6'-HpCB	34.08	1.32E+07	1.05 Y	0.66	0.67	0.9%	
PCB-175 22'33'45'6'-HpCB	34.61	1.14E+07	1.04 Y	1.02	1.00	-2.5%	
PCB-187 22'34'55'6'-HpCB	34.84	1.20E+07	1.05 Y	1.03	1.05	2.6%	
PCB-182 22'344'56'-HpCB	35.02	1.23E+07	1.05 Y	1.10	1.07	-1.9%	
PCB-183 22'344'5'6'-HpCB	35.35	1.19E+07	1.03 Y	1.12	1.04	-7.5%	
PCB-185 22'3455'6'-HpCB	35.42	1.18E+07	1.03 Y	0.97	1.03	6.3%	
PCB-174 22'33'456'-HpCB	35.54	1.06E+07	1.04 Y	0.90	0.93	3.8%	
PCB-177 22'33'45'6'-HpCB	35.91	9.97E+06	1.04 Y	0.87	0.87	0.0%	
PCB-181 22'344'56'-HpCB	36.25	1.16E+07	1.05 Y	1.03	1.01	-1.9%	
PCB-171/173 ...-HpCB	36.42	1.98E+07	1.04 Y	0.89	0.87	-2.2%	
PCB-172 22'33'455'-HpCB	37.81	9.92E+06	1.04 Y	0.87	0.87	-0.5%	
PCB-192 233'455'6'-HpCB	38.04	1.29E+07	1.06 Y	1.16	1.13	-2.9%	
PCB-180/193 ...-HpCB	38.32	2.47E+07	1.04 Y	1.07	1.08	0.9%	
PCB-191 233'44'5'6'-HpCB	38.65	1.35E+07	1.03 Y	1.18	1.18	-0.5%	
PCB-170 22'33'44'5'-HpCB	39.40	9.52E+06	1.03 Y	0.99	0.99	0.1%	
PCB-190 233'44'56'-HpCB	39.84	1.31E+07	1.04 Y	1.36	1.37	1.1%	
PCB-202 22'33'55'66'-OcCB	36.03	1.31E+07	0.89 Y	0.86	0.86	-0.7%	
PCB-201 22'33'45'66'-OcCB	36.80	1.44E+07	0.89 Y	0.95	0.95	-0.4%	
PCB-204 22'344'566'-OcCB	37.37	1.38E+07	0.88 Y	0.90	0.91	0.2%	
PCB-197 22'33'44'66'-OcCB	37.56	1.51E+07	0.86 Y	0.96	0.99	3.2%	
PCB-200 22'33'4566'-OcCB	37.64	1.30E+07	0.87 Y	0.88	0.86	-2.8%	
PCB-198/199 ...-OcCB	39.98	1.90E+07	0.89 Y	0.63	0.63	-0.6%	
PCB-196 22'33'44'56'-OcCB	40.55	1.02E+07	0.87 Y	0.66	0.67	1.3%	
PCB-203 22'344'55'6'-OcCB	40.72	1.05E+07	0.91 Y	0.69	0.69	-0.7%	
PCB-195 22'33'44'56'-OcCB	41.82	7.59E+06	0.90 Y	0.82	0.82	-0.1%	
PCB-194 22'33'44'55'-OcCB	43.79	8.37E+06	0.92 Y	0.90	0.91	0.9%	
PCB-205 233'44'55'6'-OcCB	44.18	1.06E+07	0.92 Y	1.13	1.15	1.9%	
PCB-208 22'33'455'66'-NoCB	41.63	1.07E+07	0.78 Y	1.03	1.03	-0.7%	
PCB-207 22'33'44'566'-NoCB	42.41	1.09E+07	0.77 Y	1.07	1.04	-2.5%	
PCB-206 22'33'44'55'6'-NoCB	45.65	8.01E+06	0.79 Y	0.97	0.96	-1.3%	

SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

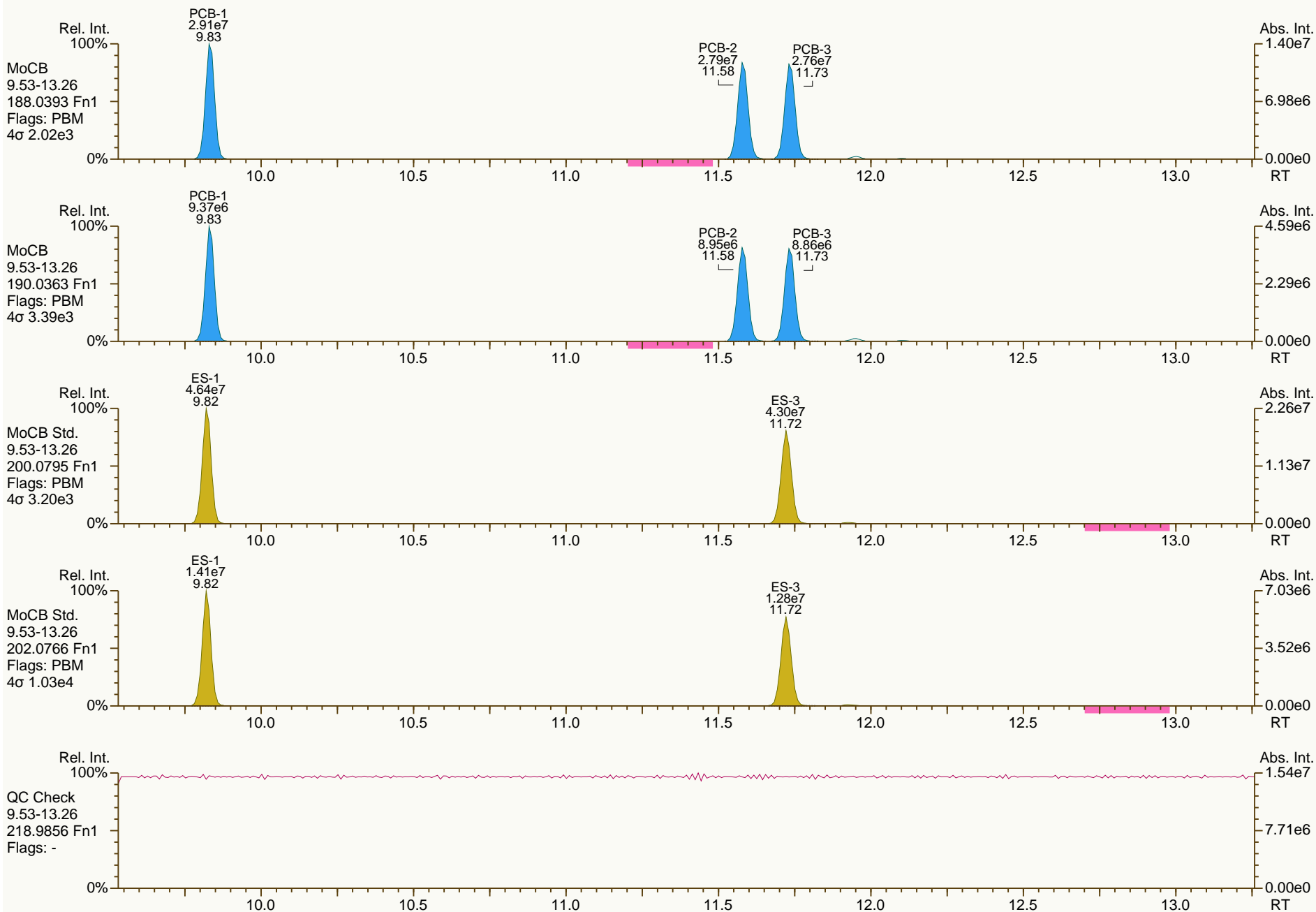
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User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

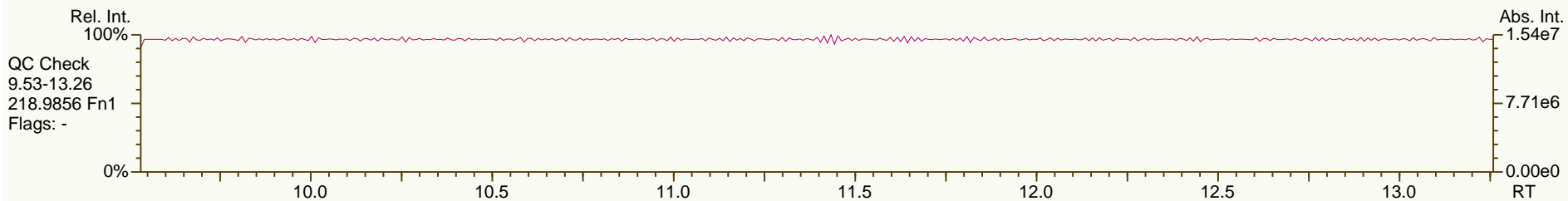
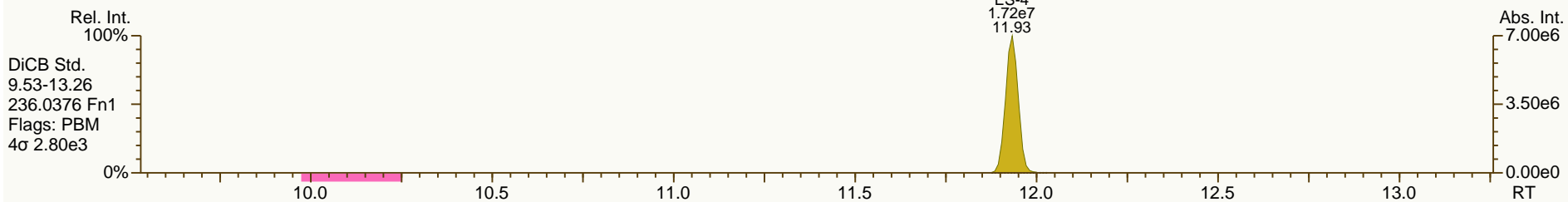
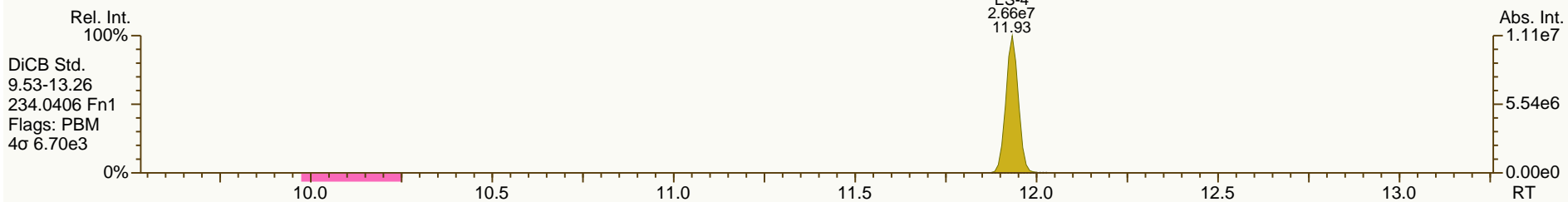
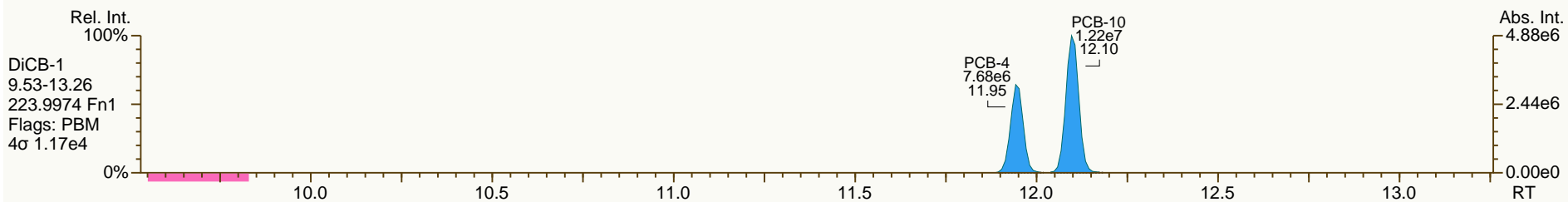
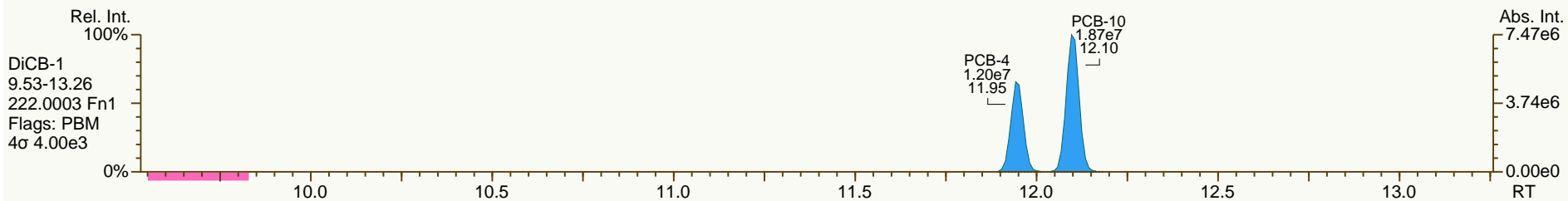
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

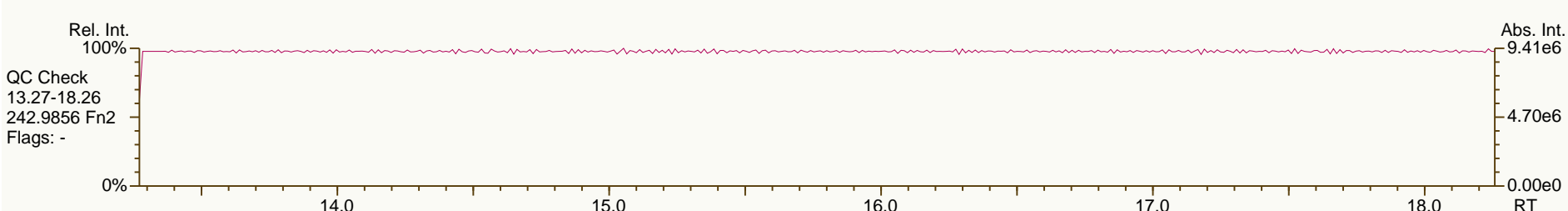
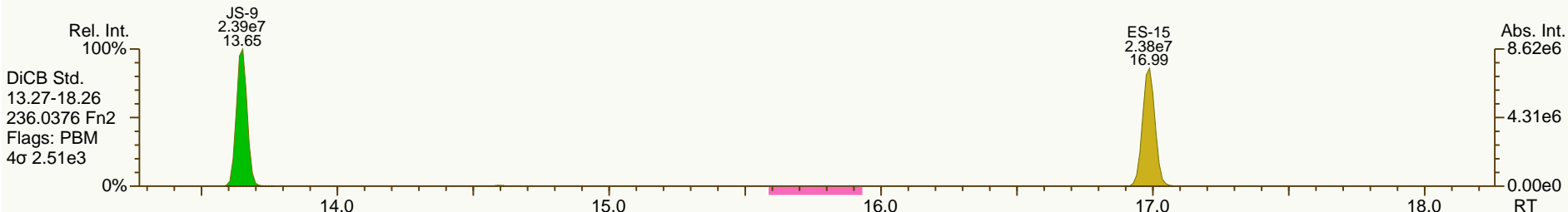
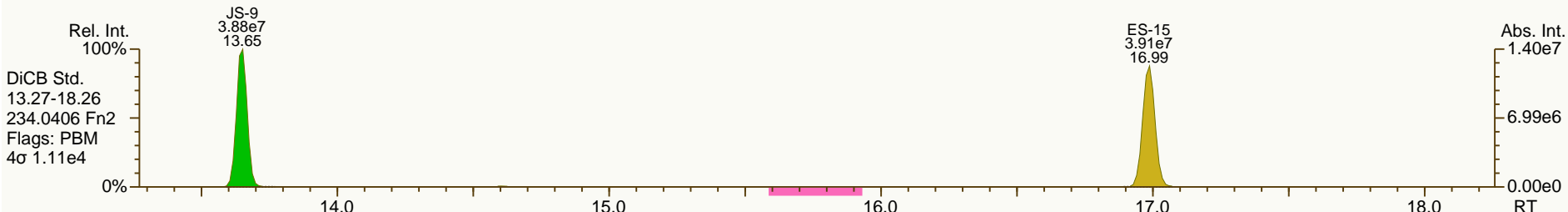
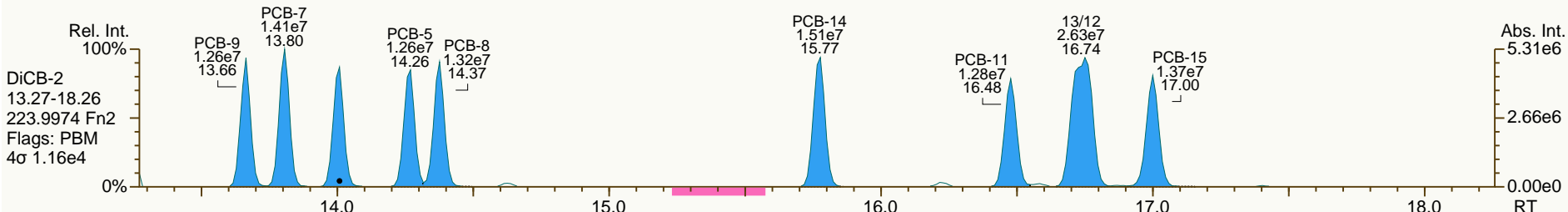
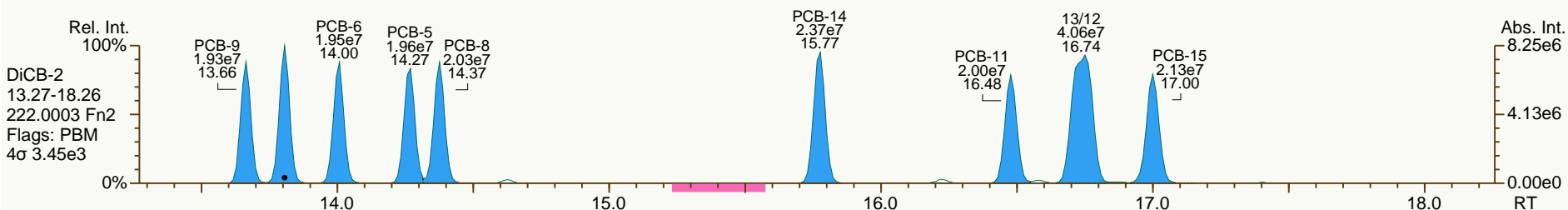
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

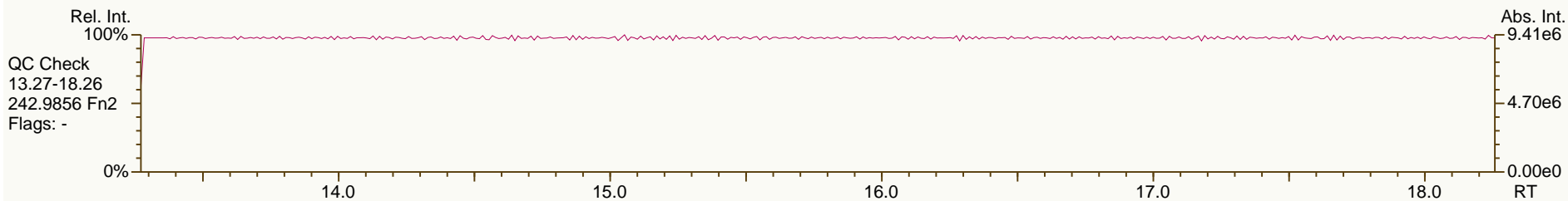
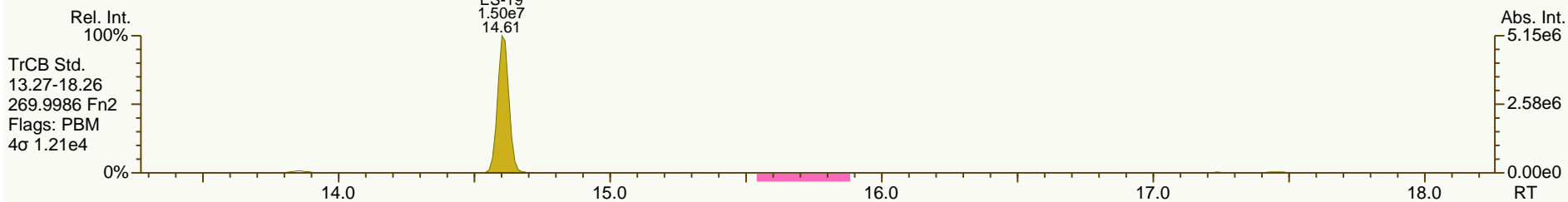
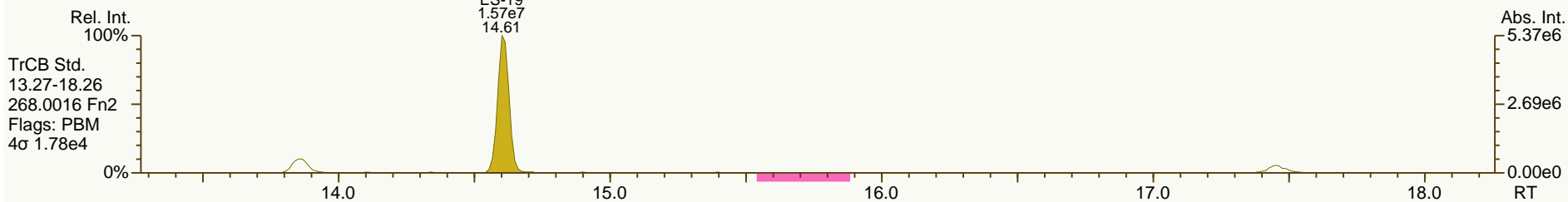
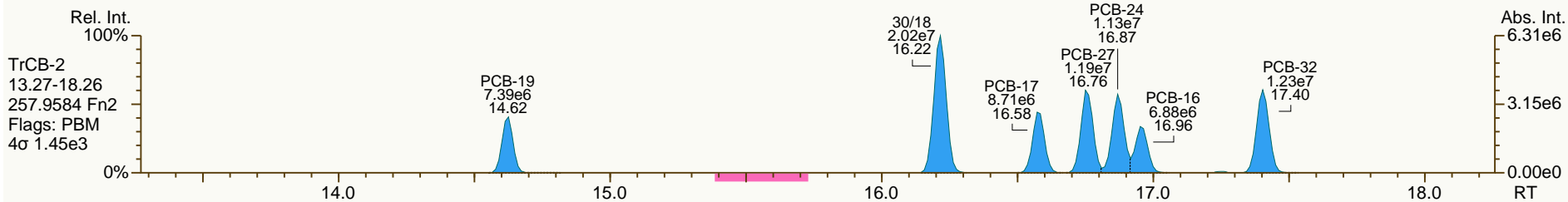
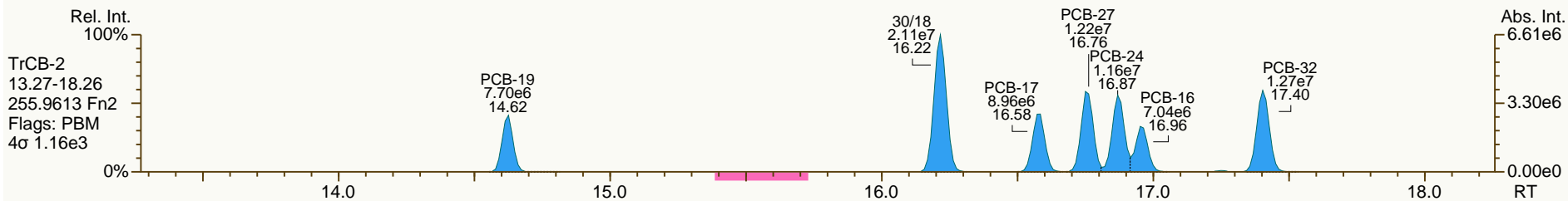
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

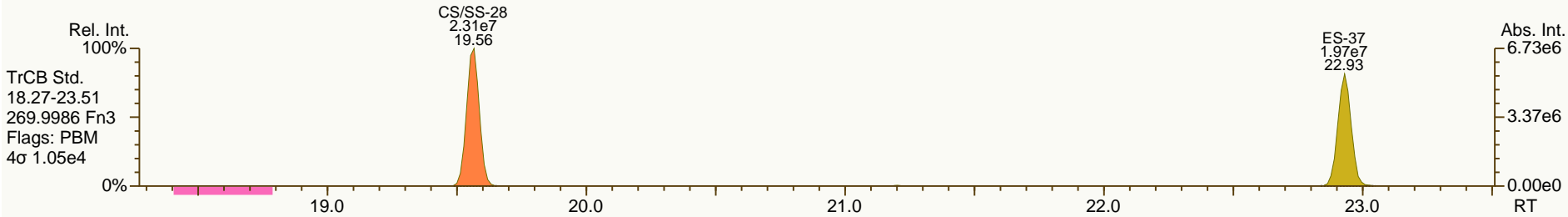
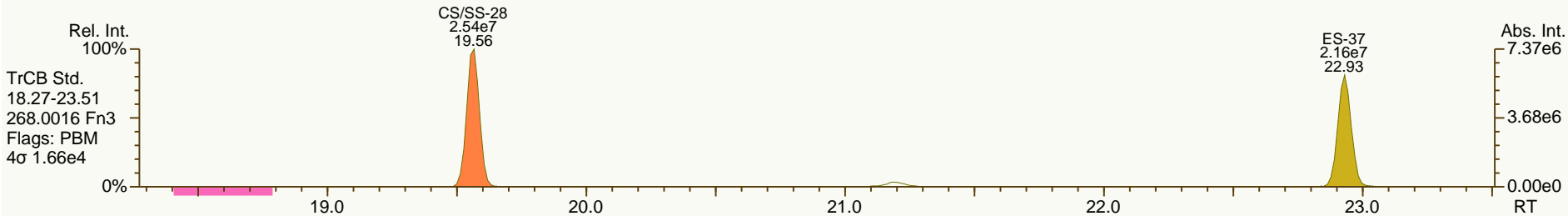
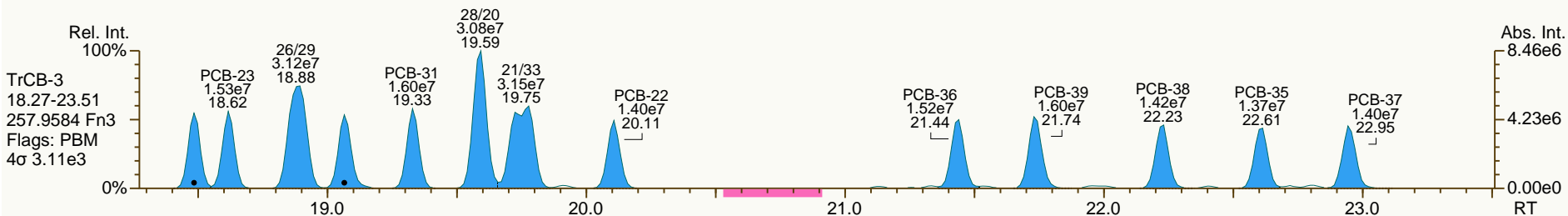
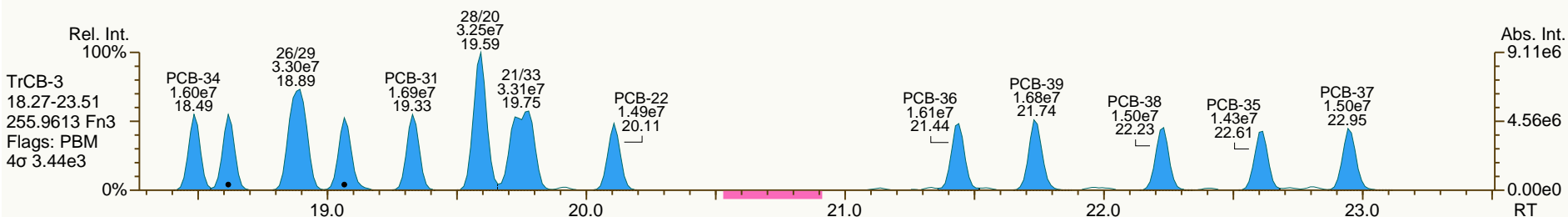
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

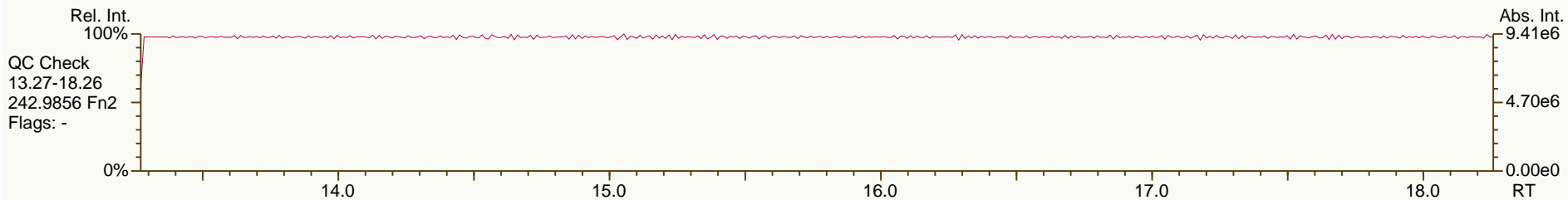
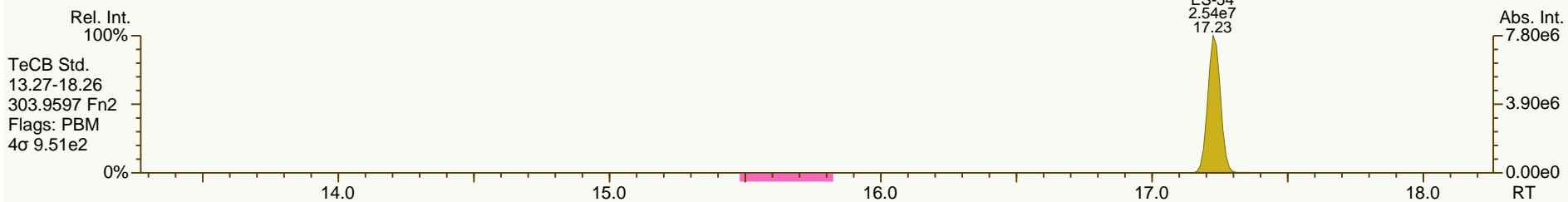
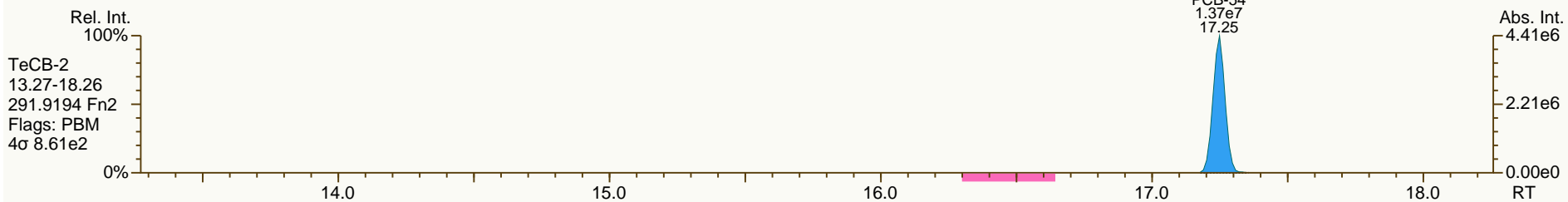
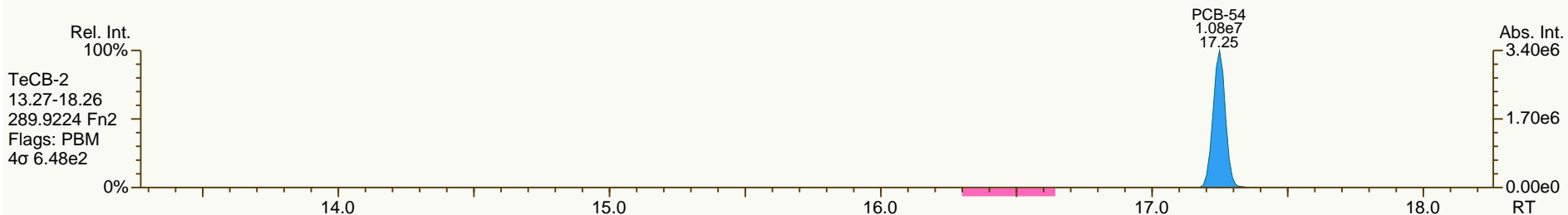
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

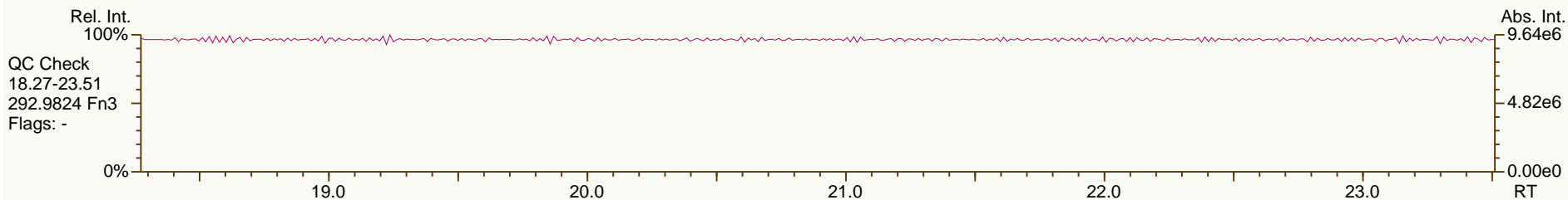
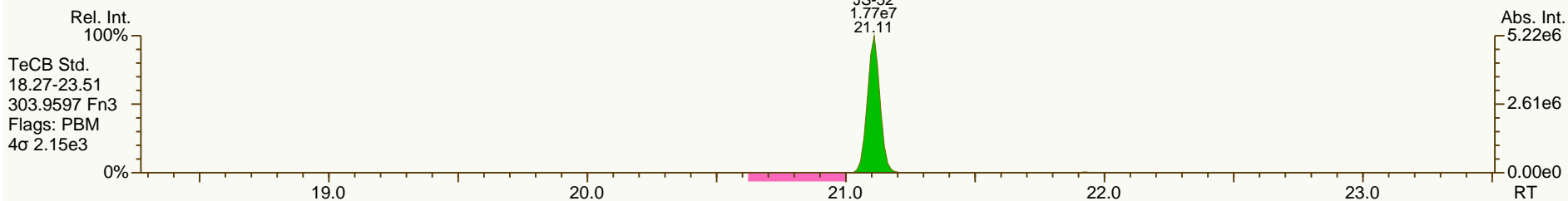
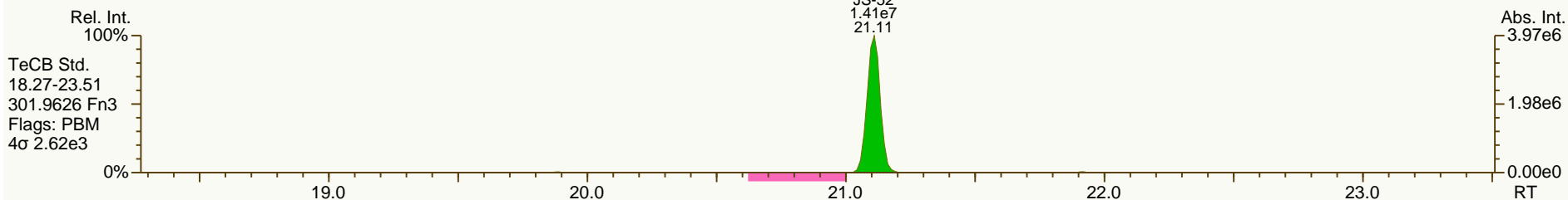
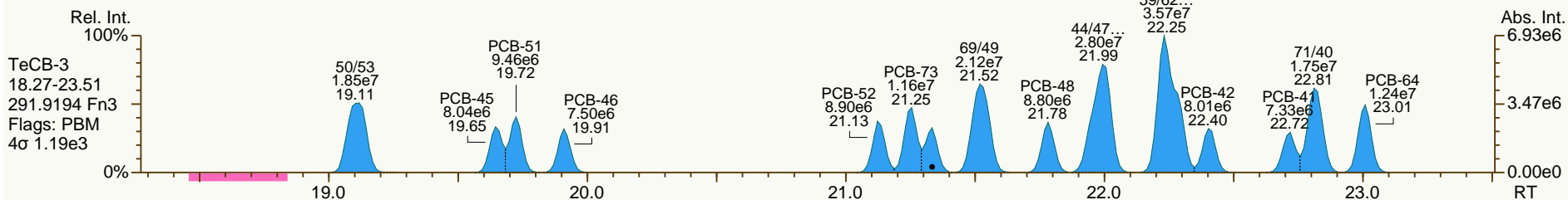
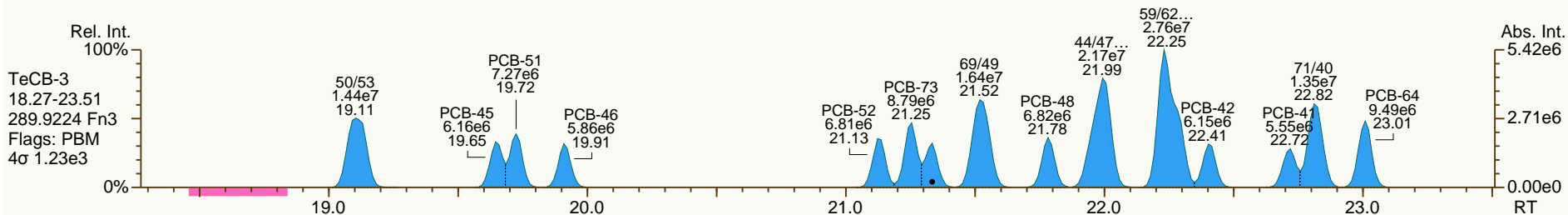
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

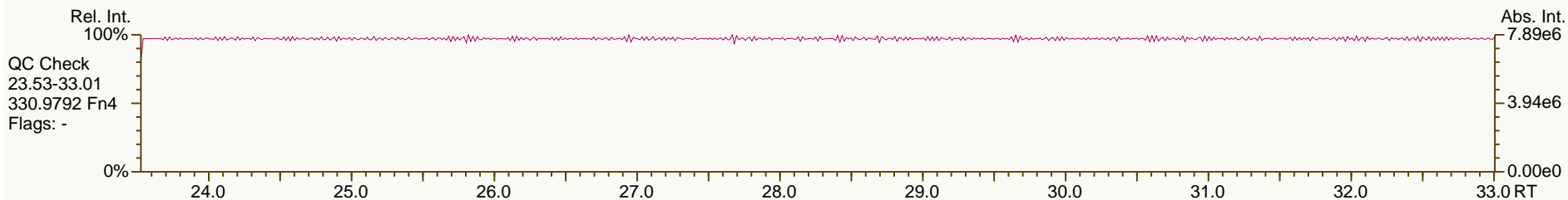
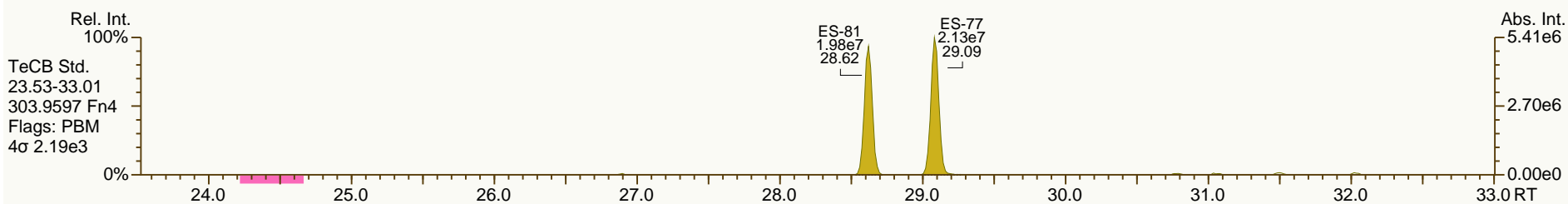
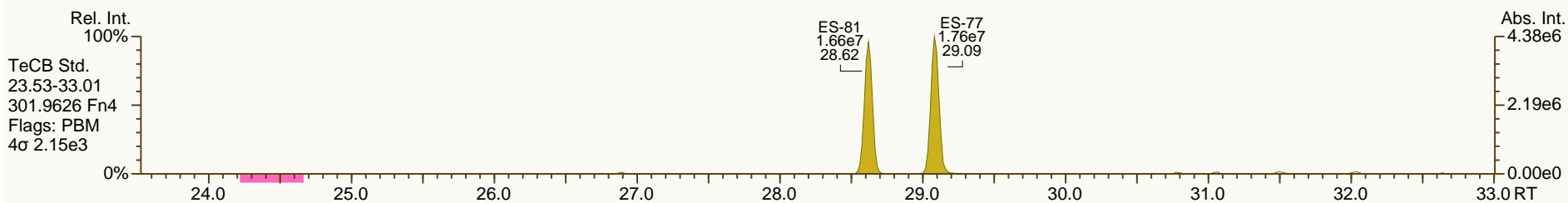
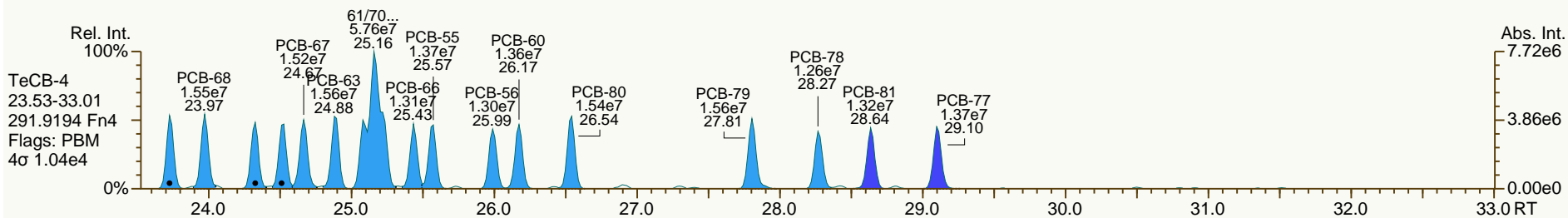
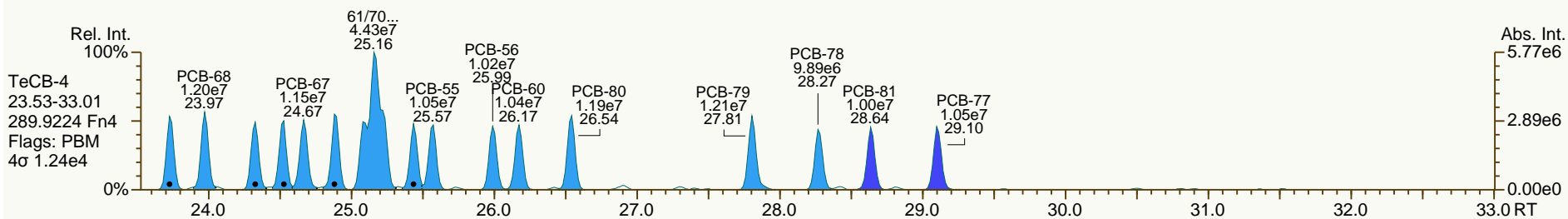
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

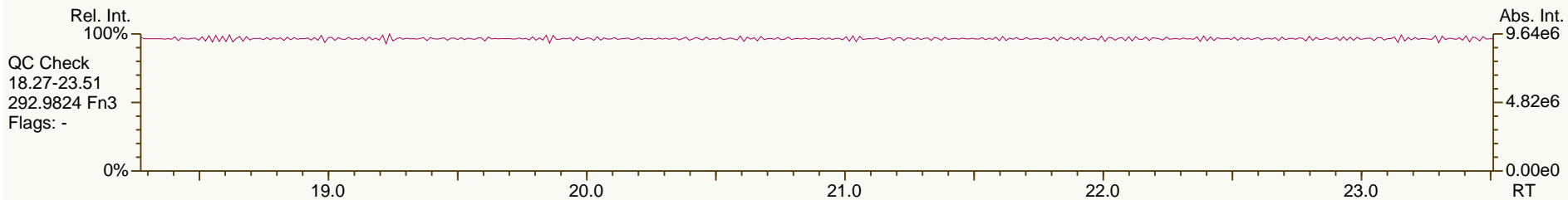
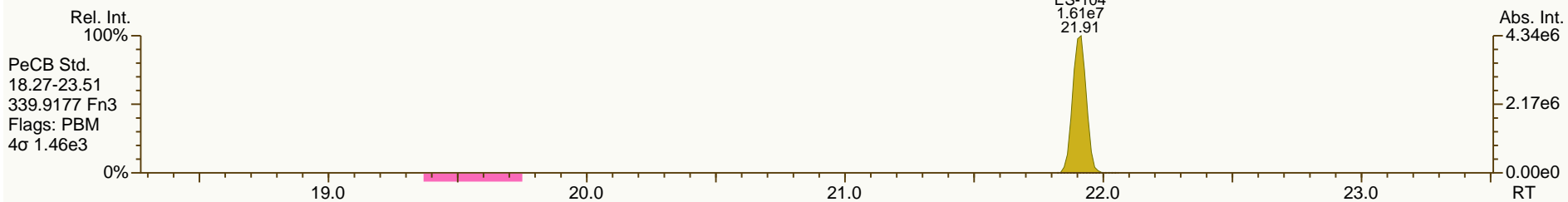
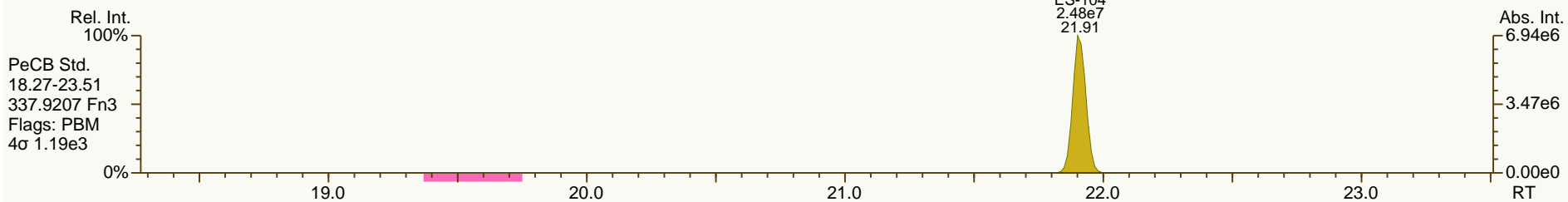
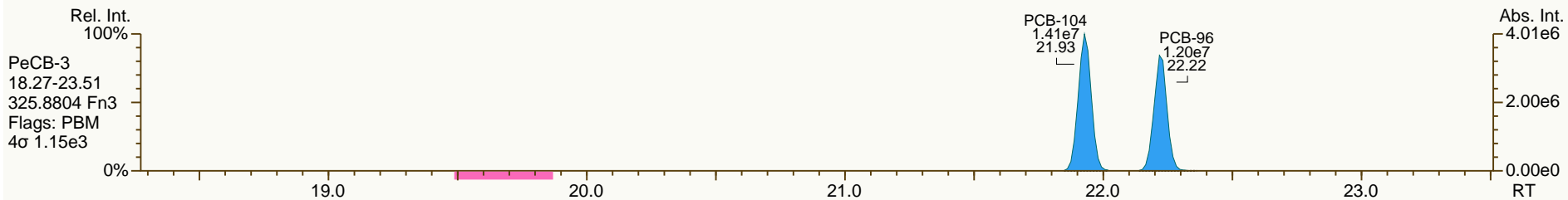
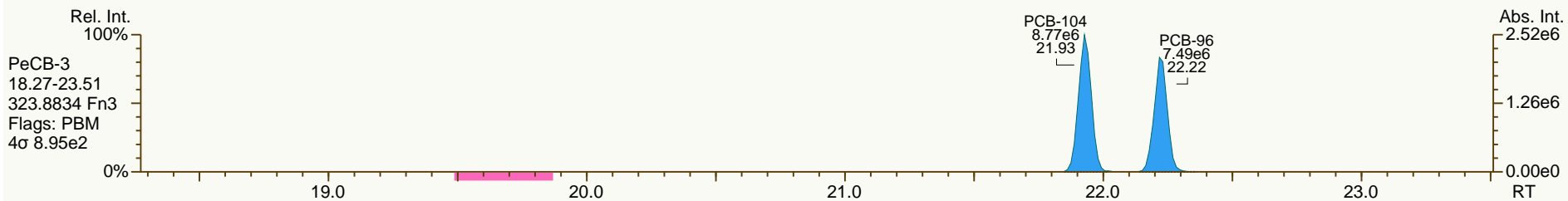
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
 User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

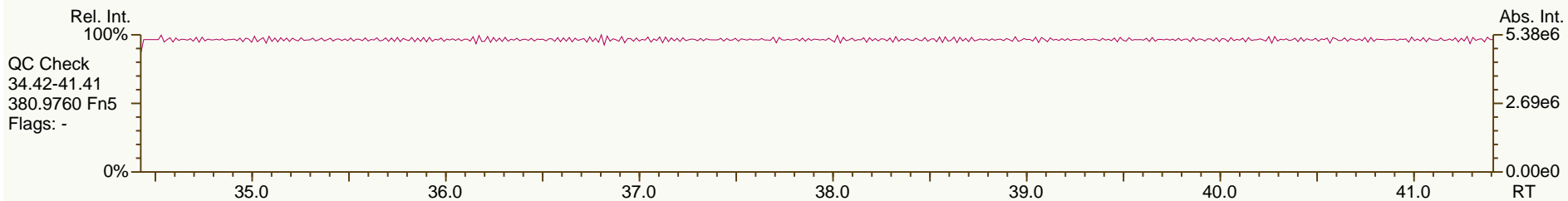
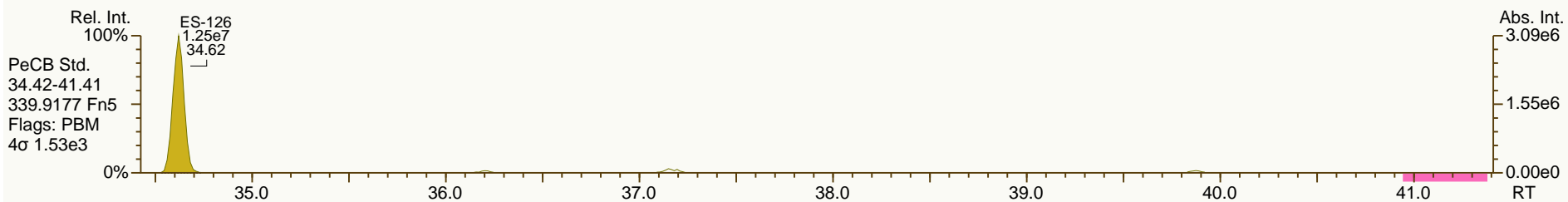
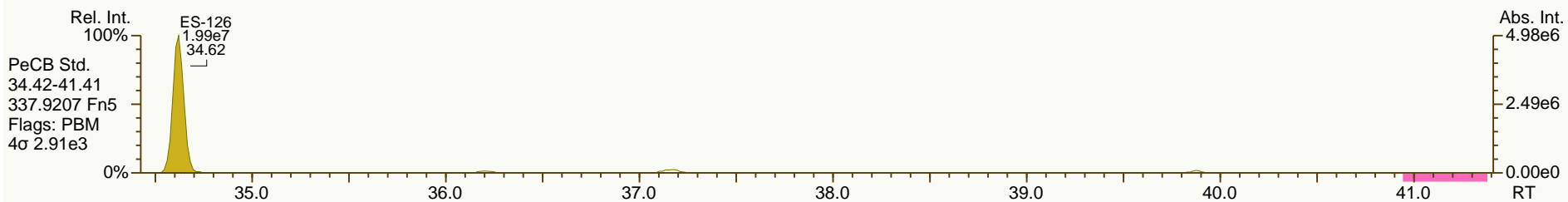
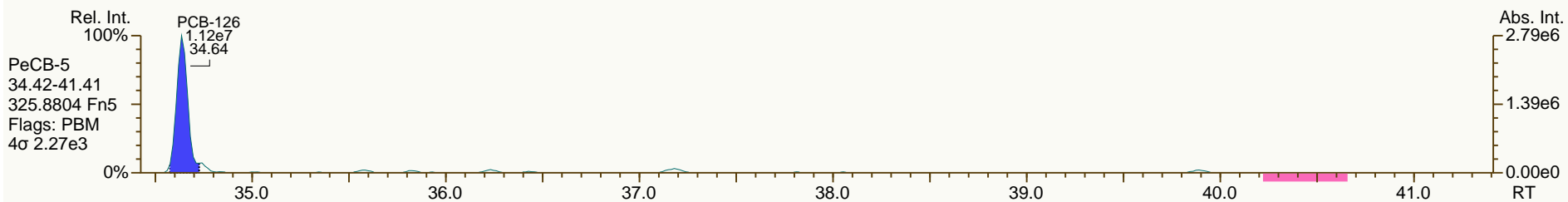
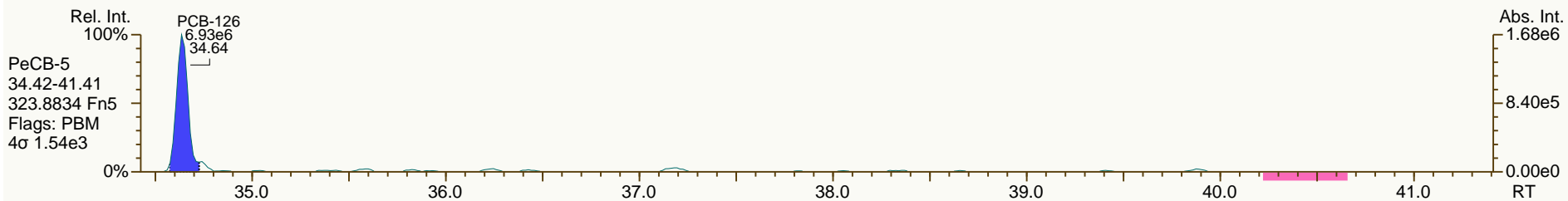
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User: CEM Datafile: 121214V05 (EQ)



SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

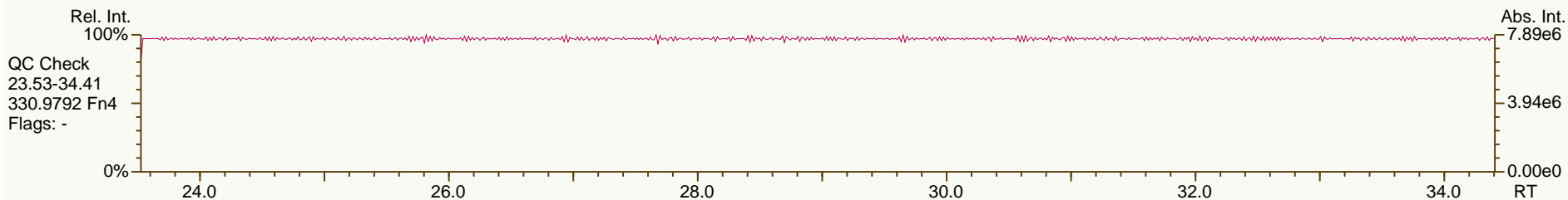
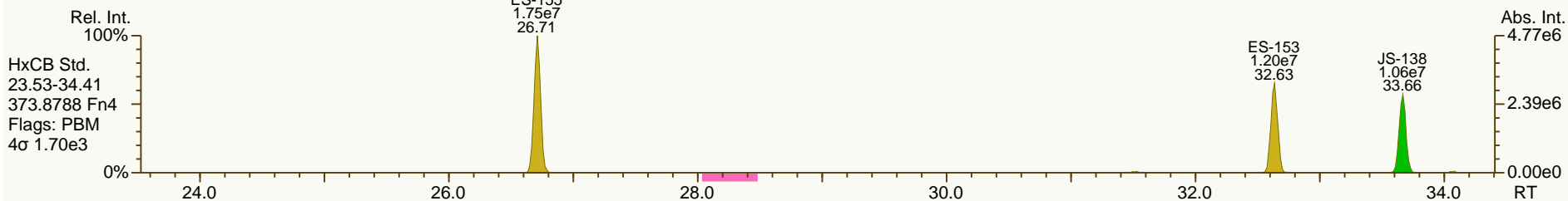
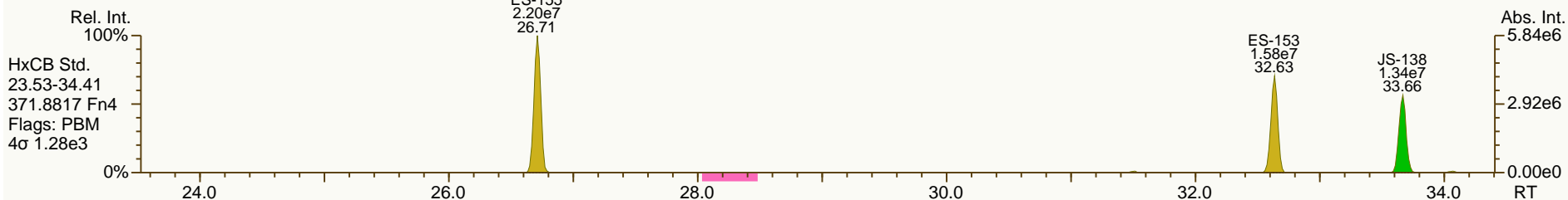
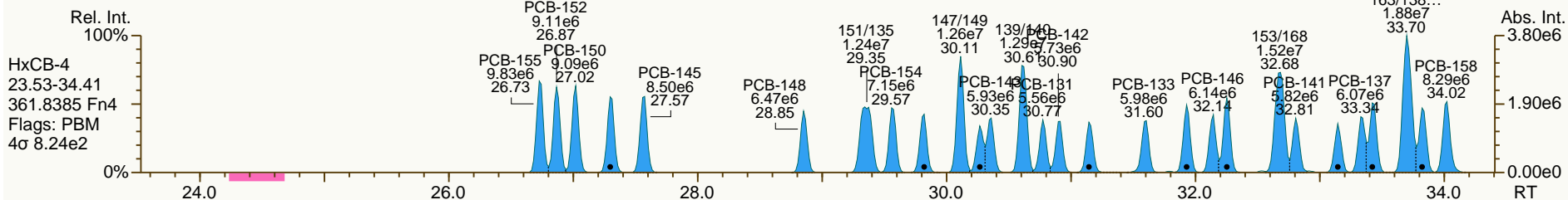
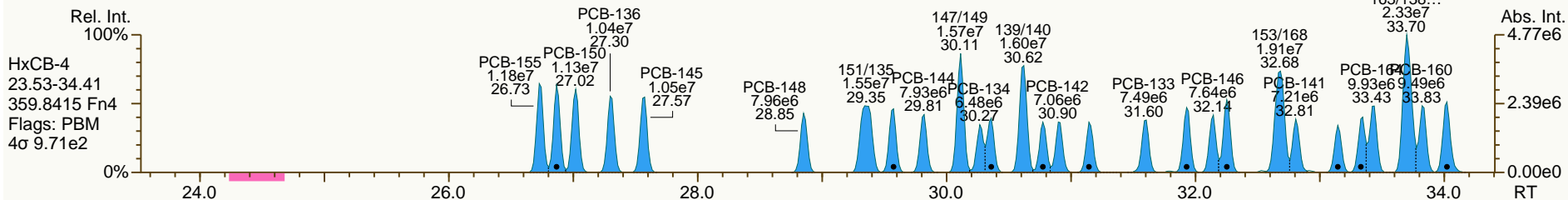
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

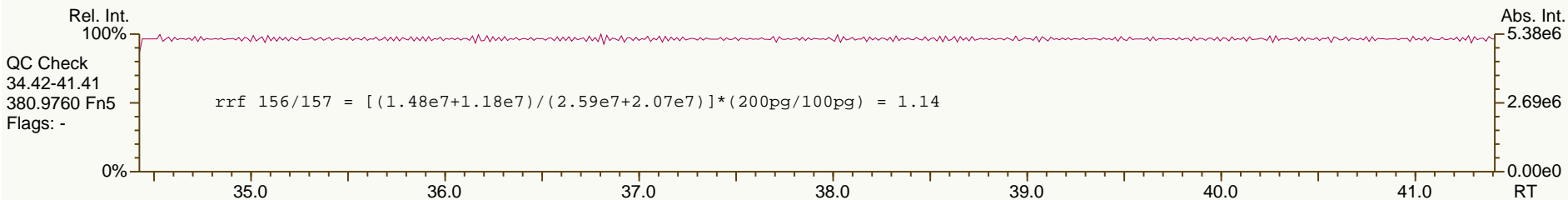
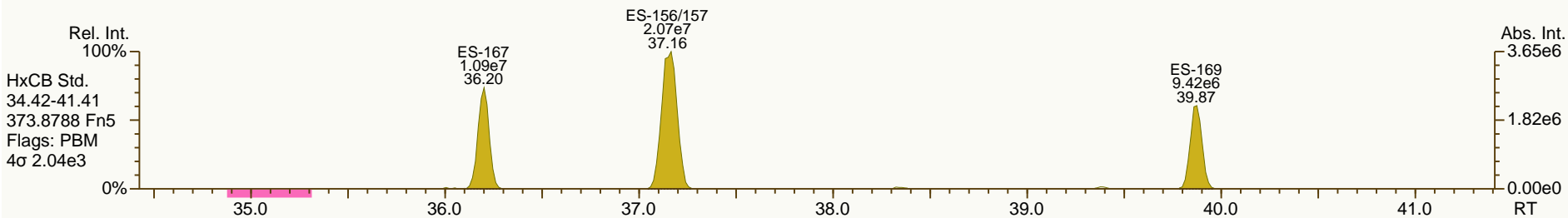
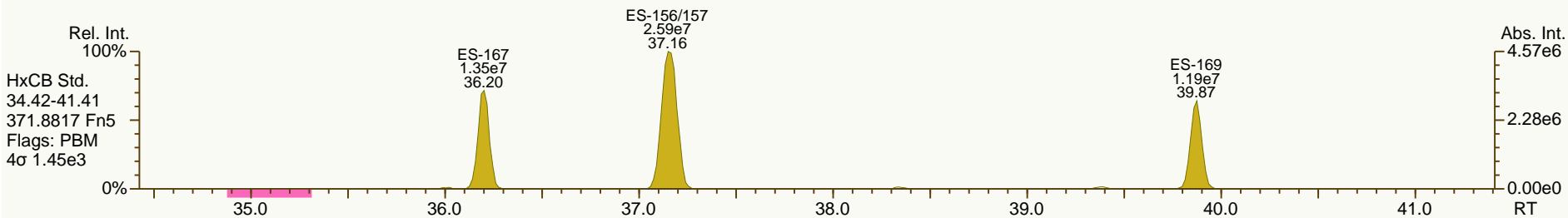
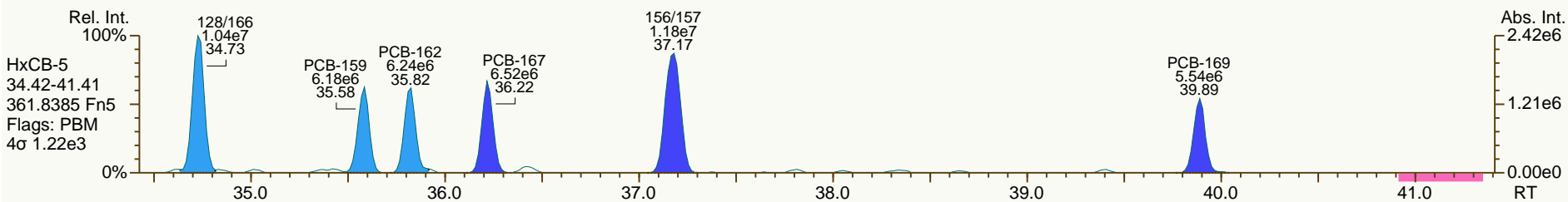
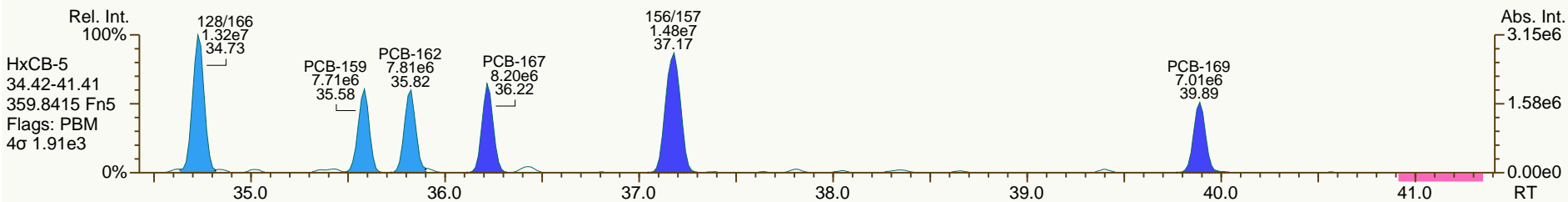
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

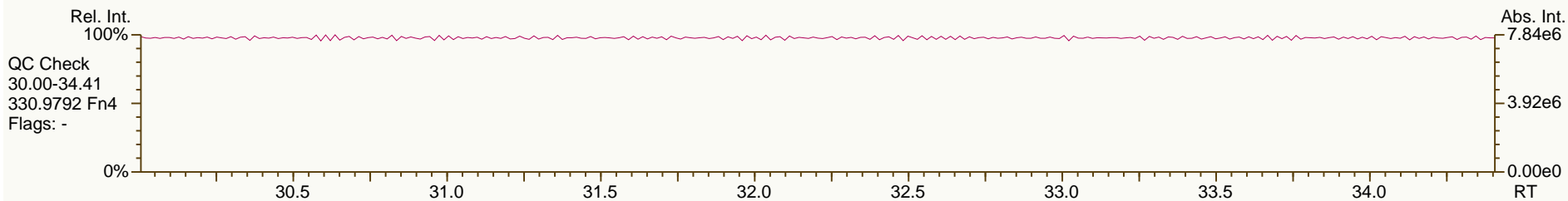
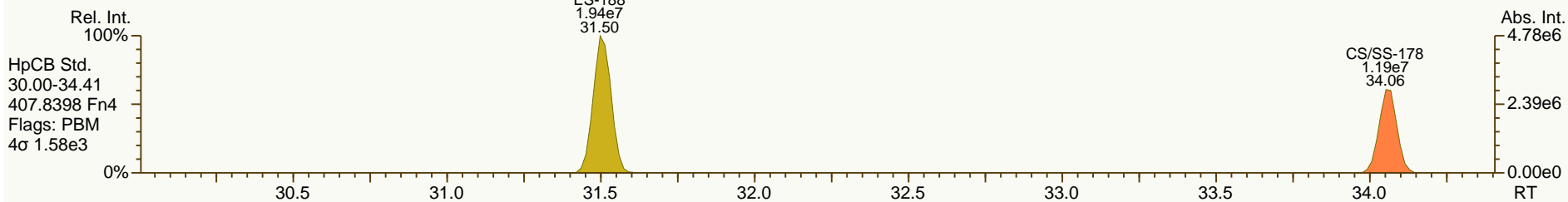
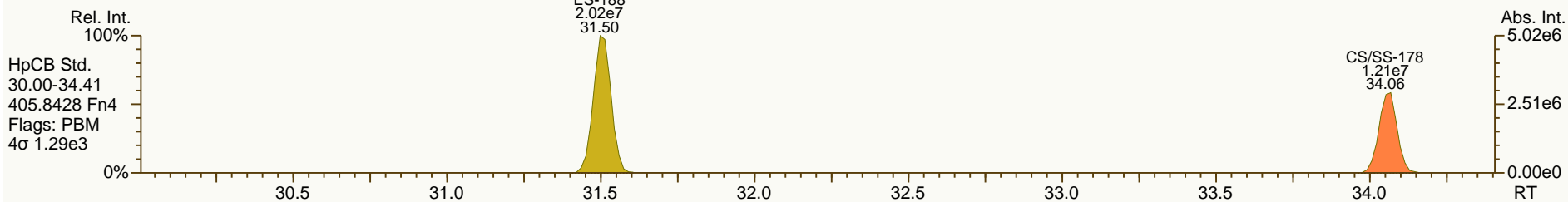
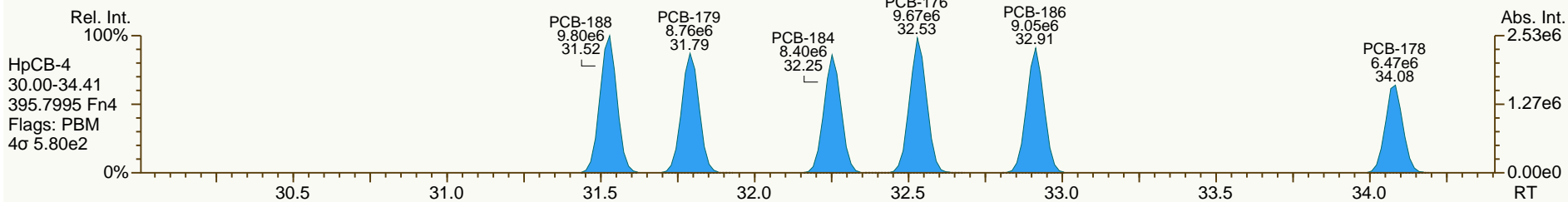
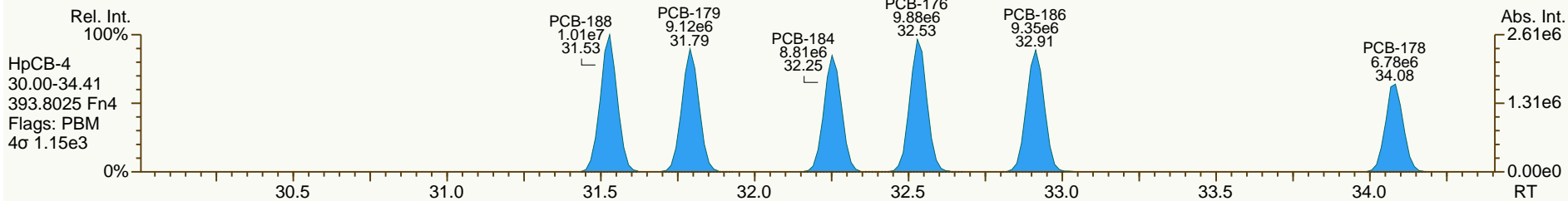
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

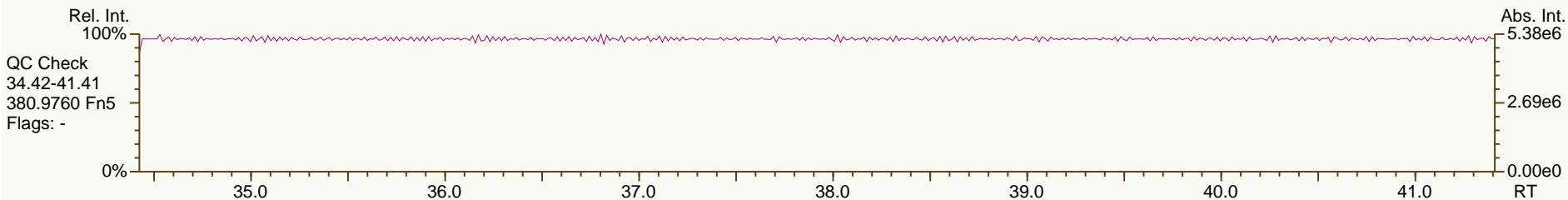
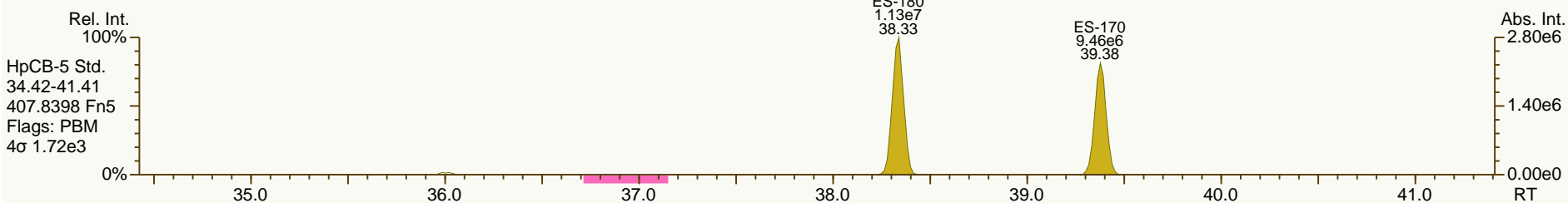
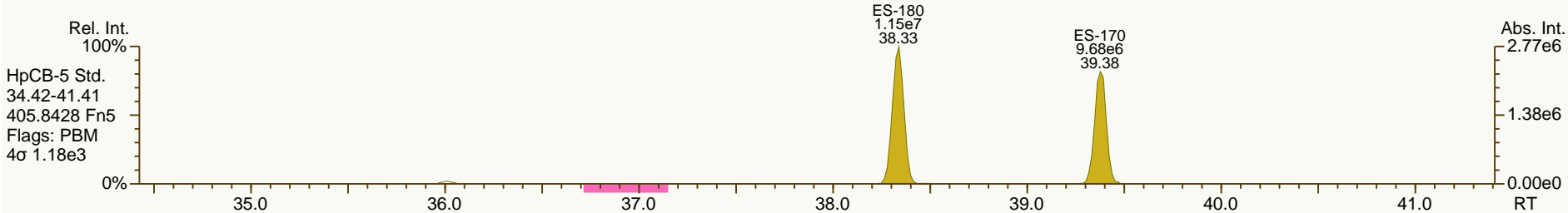
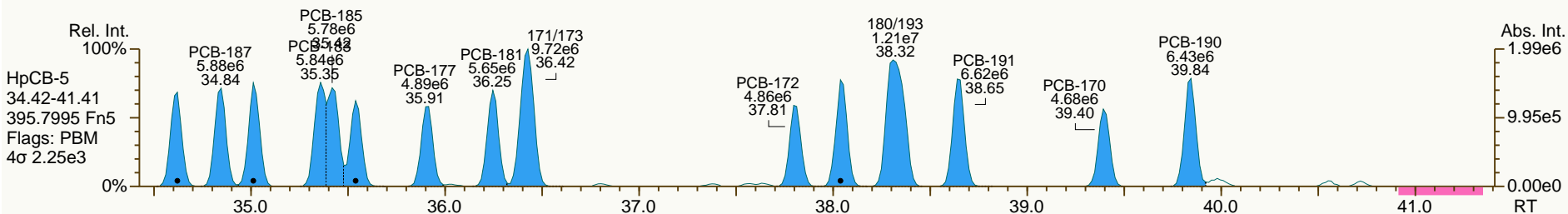
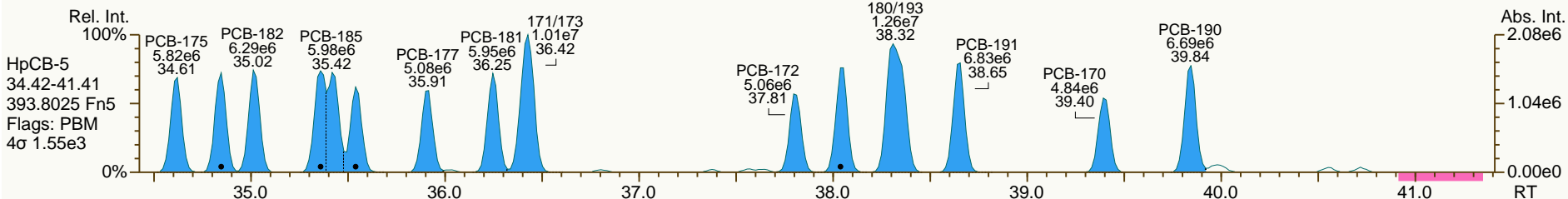
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

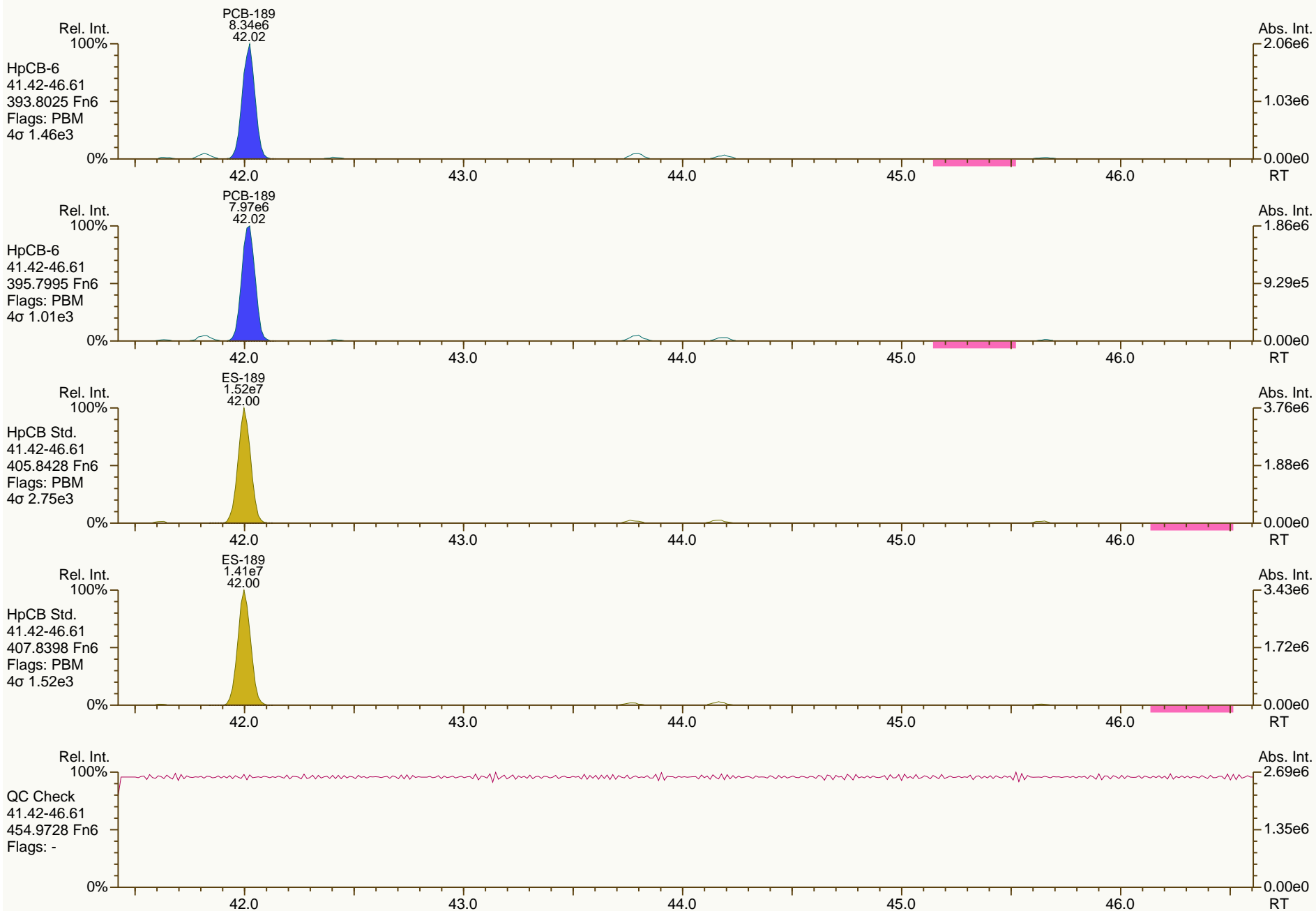
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

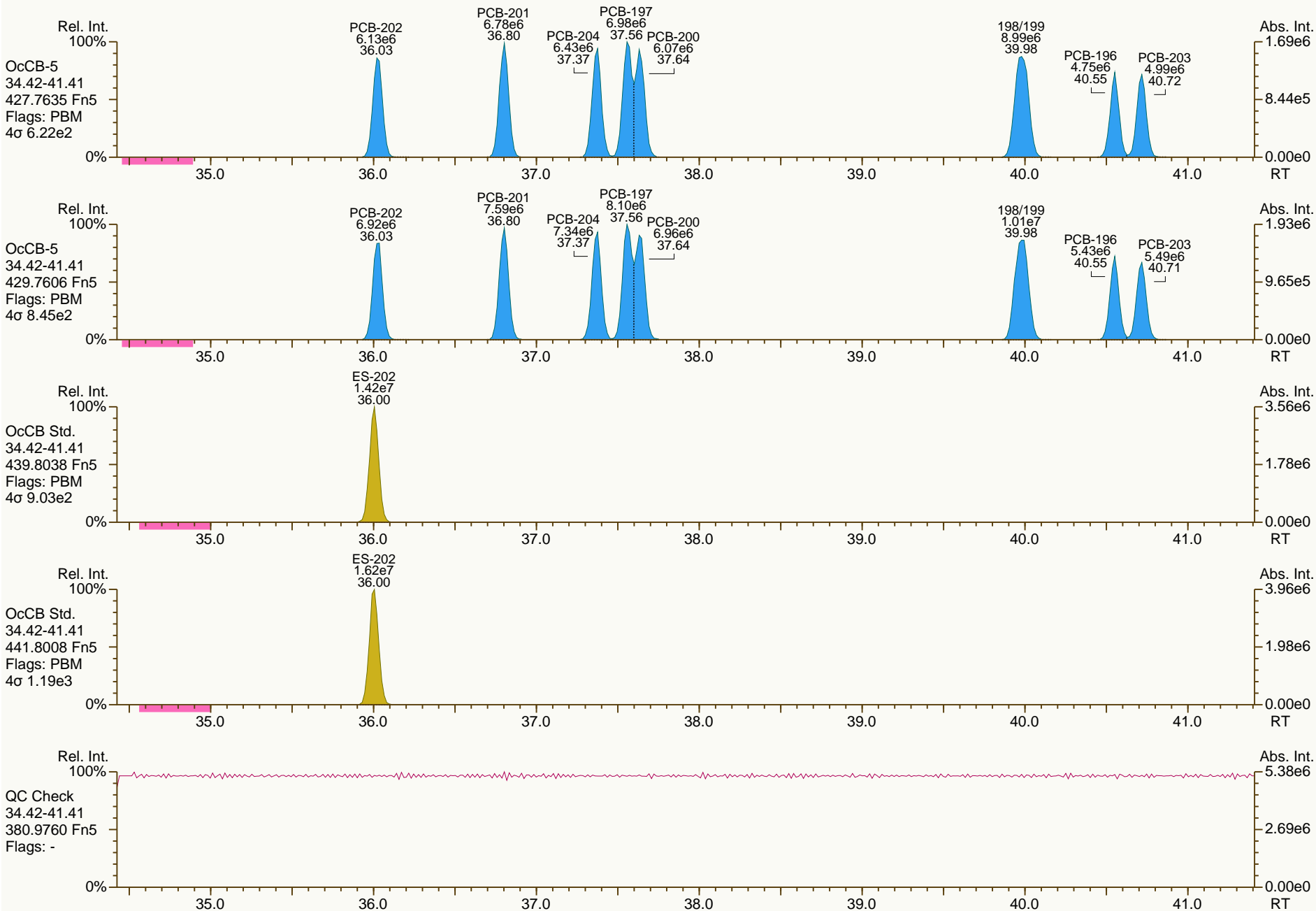
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

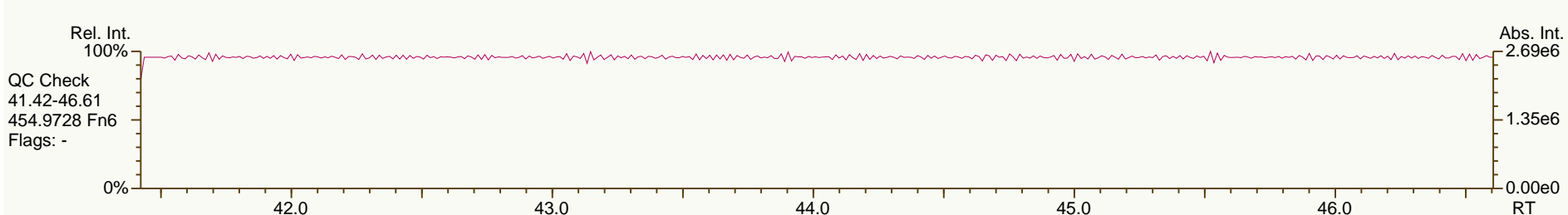
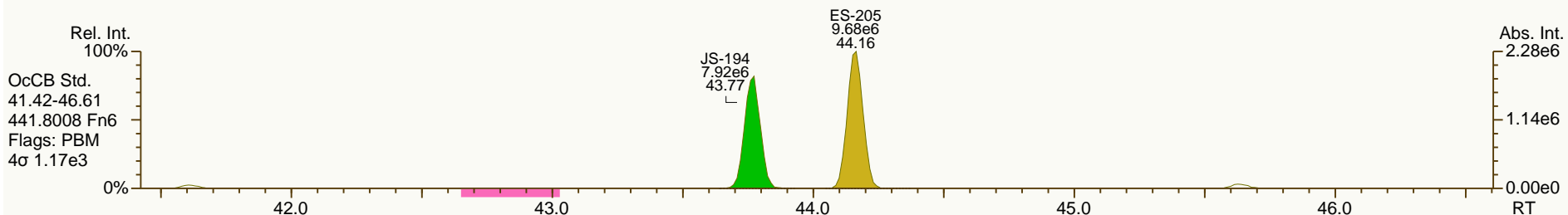
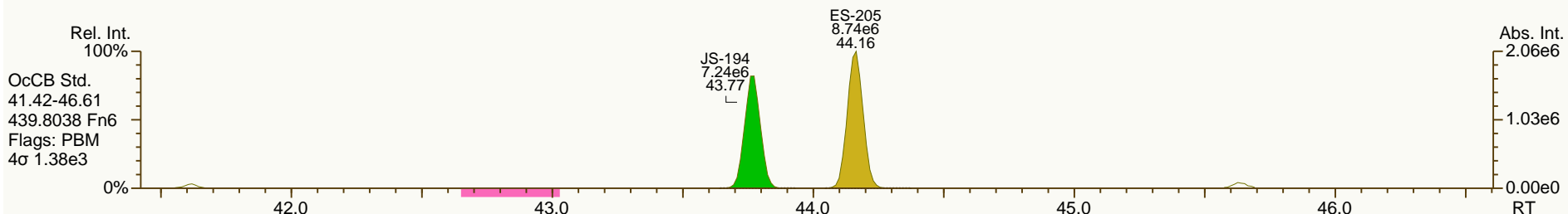
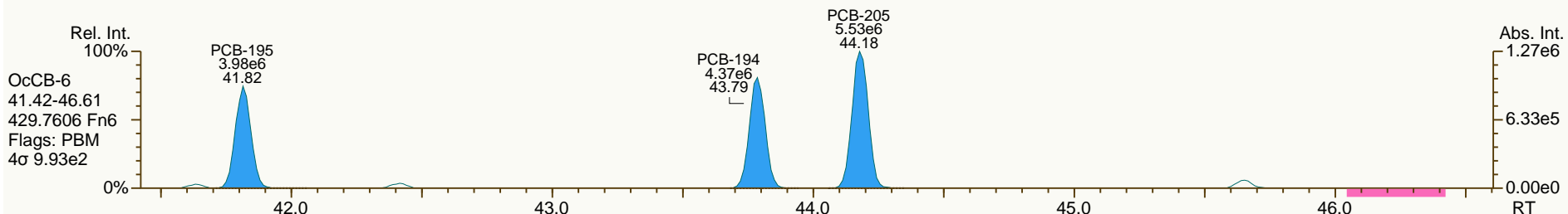
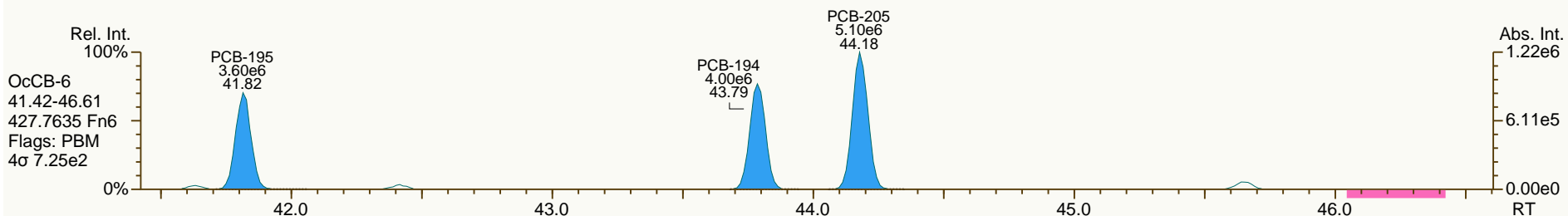
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

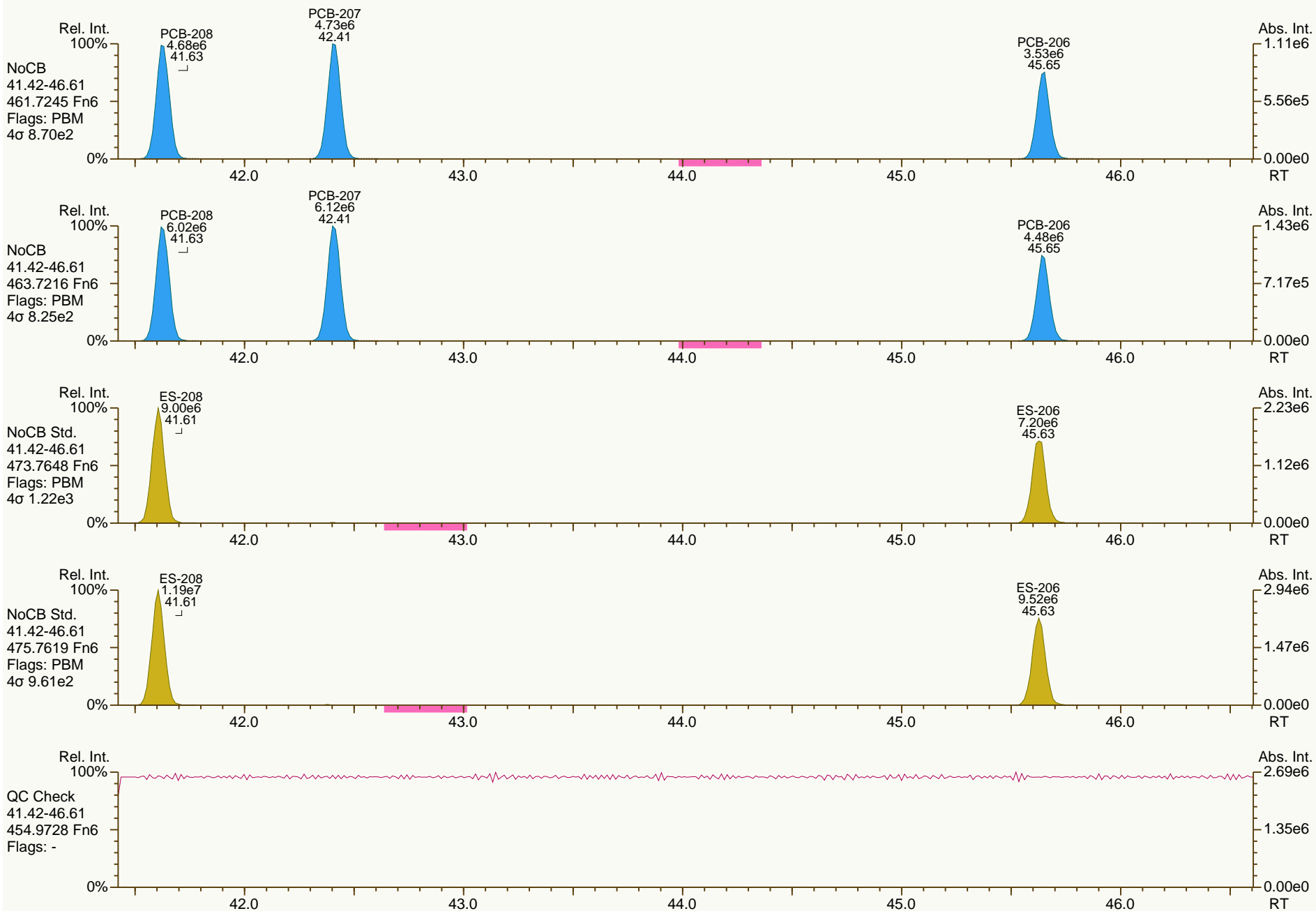
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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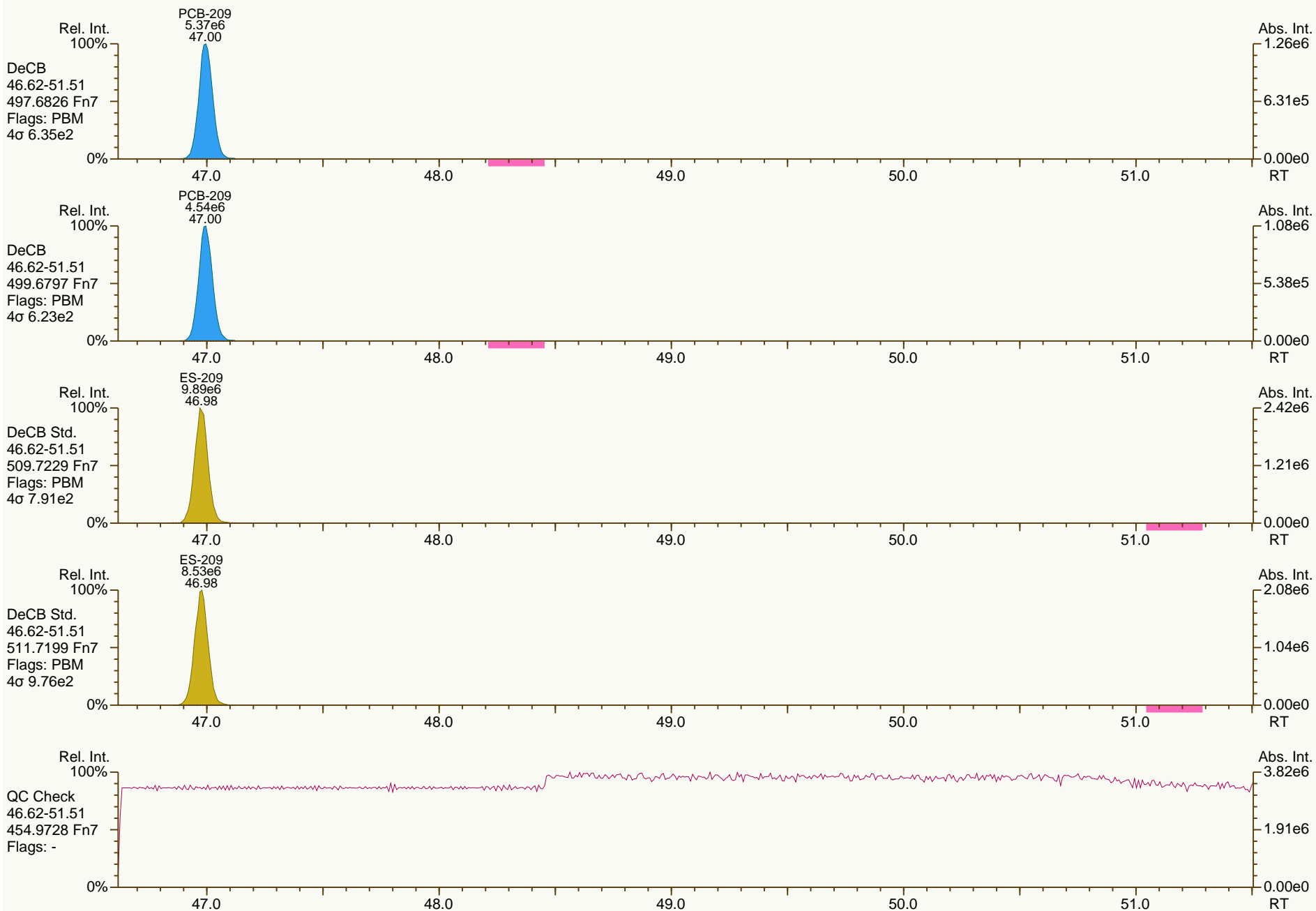
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SGS-AP ID: CS3_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
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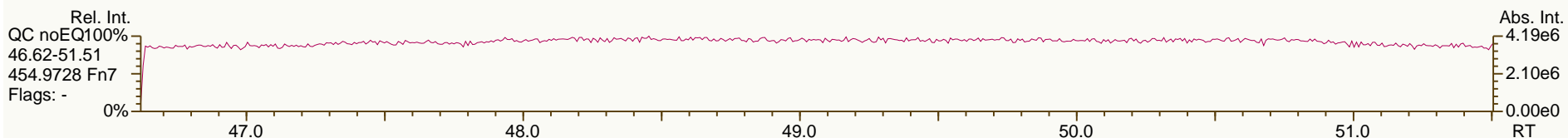
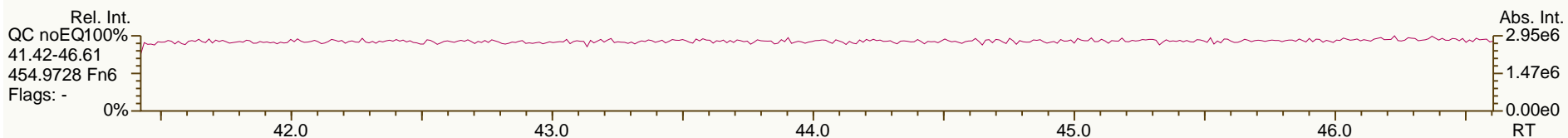
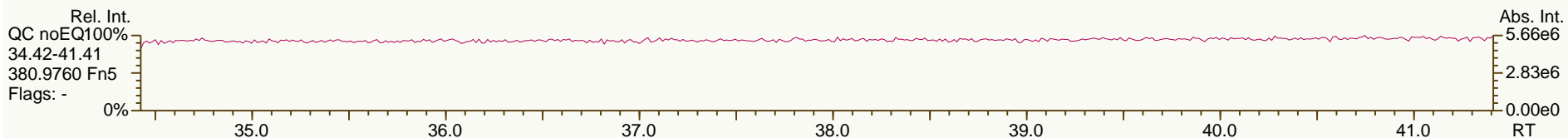
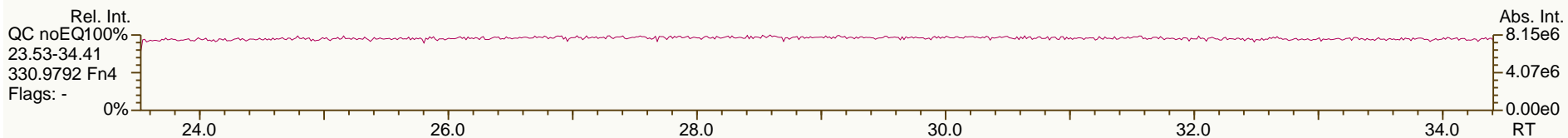
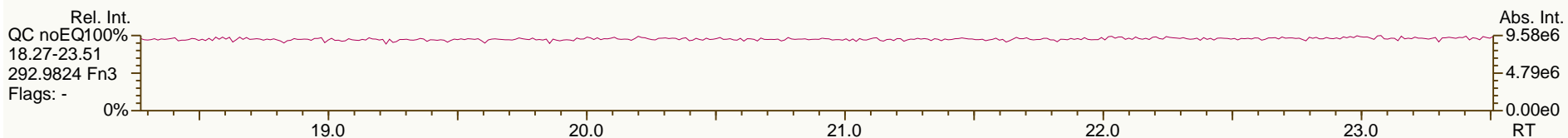
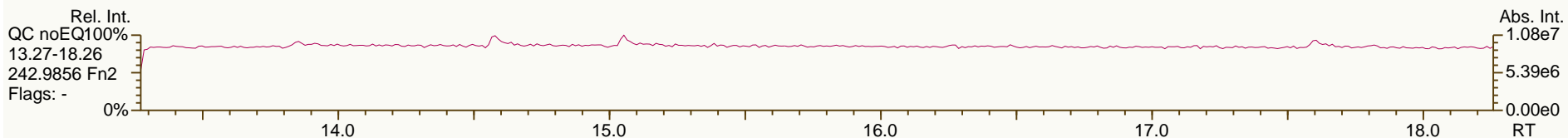
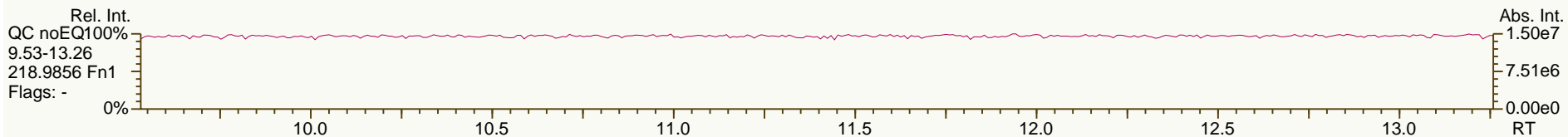
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SGS-AP ID: CS3_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 13

Acq: 14-Dec-2012 05:09:30
User: CEM Datafile: 121214V05 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.11	2.08E+08	0.78 Y	1.25	1.26	1.0%	
PCB-81 344'5'-TeCB	28.64	2.10E+08	0.77 Y	1.26	1.29	2.4%	
PCB-105 233'44'-PeCB	32.05	1.27E+08	0.62 Y	1.06	1.07	1.6%	
PCB-114 2344'5'-PeCB	31.52	1.39E+08	0.62 Y	1.11	1.10	-0.9%	
PCB-118 23'44'5'-PeCB	31.08	1.36E+08	0.63 Y	1.08	1.11	2.3%	
PCB-123 23'44'5'-PeCB	30.80	1.37E+08	0.62 Y	1.12	1.09	-2.9%	
PCB-126 33'44'5'-PeCB	34.65	1.65E+08	0.62 Y	1.16	1.16	0.7%	
PCB-156/157 ...-HxCB	37.18	2.46E+08	1.26 Y	1.14	1.15	0.6%	
PCB-167 23'44'55'-HxCB	36.23	1.35E+08	1.25 Y	1.18	1.20	1.4%	
PCB-169 33'44'55'-HxCB	39.90	1.16E+08	1.28 Y	1.15	1.17	1.3%	
PCB-189 233'44'55'-HpCB	42.03	1.46E+08	1.03 Y	1.12	1.13	1.7%	
PCB-209 DeCB	47.00	8.86E+07	1.18 Y	1.11	1.08	-3.0%	
ES PCB-1	9.83	6.66E+07	3.27 Y	0.97	0.99	1.9%	
ES PCB-3	11.73	6.23E+07	3.35 Y	0.90	0.93	2.9%	
ES PCB-4	11.94	4.80E+07	1.55 Y	0.70	0.71	1.8%	
ES PCB-15	16.99	7.32E+07	1.65 Y	1.02	1.09	7.1%	
ES PCB-19	14.61	3.70E+07	1.04 Y	0.53	0.55	4.3%	
ES PCB-37	22.94	4.44E+07	1.11 Y	1.29	1.30	0.5%	
ES PCB-54	17.23	5.04E+07	0.78 Y	1.43	1.48	3.5%	
ES PCB-77	29.09	4.13E+07	0.82 Y	1.20	1.21	0.5%	
ES PCB-81	28.63	4.08E+07	0.83 Y	1.16	1.20	3.0%	
ES PCB-104	21.91	4.62E+07	1.52 Y	1.70	1.67	-2.2%	
ES PCB-105	32.03	2.97E+07	1.53 Y	1.10	1.07	-2.5%	
ES PCB-114	31.50	3.15E+07	1.54 Y	1.16	1.14	-1.6%	
ES PCB-118	31.06	3.08E+07	1.51 Y	1.15	1.11	-3.6%	
ES PCB-123	30.78	3.14E+07	1.53 Y	1.14	1.13	-0.8%	
ES PCB-126	34.63	3.55E+07	1.66 Y	1.34	1.28	-4.3%	
ES PCB-153	32.64	3.13E+07	1.31 Y	1.14	1.14	-0.7%	
ES PCB-155	26.72	4.37E+07	1.27 Y	1.61	1.59	-1.7%	
ES PCB-156/157	37.16	5.37E+07	1.26 Y	0.98	0.98	-0.2%	
ES PCB-167	36.21	2.83E+07	1.26 Y	1.01	1.03	1.7%	
ES PCB-169	39.88	2.49E+07	1.25 Y	0.90	0.91	0.9%	
ES PCB-170	39.38	2.21E+07	1.04 Y	1.28	1.34	4.5%	
ES PCB-180	38.34	2.67E+07	1.06 Y	1.54	1.62	5.2%	
ES PCB-188	31.51	4.46E+07	1.05 Y	1.63	1.62	-0.2%	
ES PCB-189	42.01	3.23E+07	1.06 Y	1.97	1.96	-0.6%	
ES PCB-202	36.01	3.47E+07	0.89 Y	1.26	1.26	0.0%	
ES PCB-205	44.17	2.02E+07	0.91 Y	1.22	1.22	0.2%	
ES PCB-206	45.63	1.83E+07	0.80 Y	1.10	1.11	1.1%	
ES PCB-208	41.61	2.31E+07	0.78 Y	1.41	1.40	-0.4%	
ES PCB-209	46.98	2.05E+07	1.15 Y	1.24	1.25	0.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:17		
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.57	5.19E+07	1.10 Y	1.18	1.17	-0.6%	
SS PCB-111	29.15	3.11E+07	1.52 Y	1.01	0.99	-1.5%	
SS PCB-178	34.07	2.72E+07	1.05 Y	0.60	0.61	1.2%	
CS PCB-28	19.57	5.19E+07	1.10 Y	1.52	1.52	-0.2%	
CS PCB-111	29.15	3.11E+07	1.52 Y	1.15	1.12	-2.2%	
CS PCB-178	34.07	2.72E+07	1.05 Y	0.98	0.99	1.0%	
JS PCB-9	13.65	6.74E+07	1.64 Y	-	-	-	
JS PCB-52	21.11	3.41E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	2.77E+07	1.54 Y	-	-	-	
JS PCB-138	33.67	2.75E+07	1.30 Y	-	-	-	
JS PCB-194	43.77	1.65E+07	0.90 Y	-	-	-	
PCB-1 2-MoCB	9.84	3.43E+08	3.08 Y	1.25	1.29	3.3%	
PCB-3 4-MoCB	11.74	3.26E+08	3.10 Y	1.27	1.31	3.4%	
PCB-4 22'-DiCB	11.95	1.78E+08	1.56 Y	0.90	0.93	3.5%	
PCB-15 44'-DiCB	17.00	3.23E+08	1.55 Y	1.10	1.10	0.4%	
PCB-19 22'6'-TrCB	14.63	1.42E+08	1.03 Y	0.95	0.96	1.1%	
PCB-37 344'-TrCB	22.95	2.52E+08	1.05 Y	1.39	1.42	2.1%	
PCB-54 22'66'-TeCB	17.25	2.23E+08	0.80 Y	1.05	1.11	5.2%	
PCB-104 22'466'-PeCB	21.94	2.11E+08	0.63 Y	1.12	1.14	1.9%	
PCB-153/168 ...-HxCB	32.68	3.06E+08	1.24 Y	1.24	1.22	-1.0%	
PCB-155 22'44'66'-HxCB	26.74	1.91E+08	1.24 Y	1.09	1.09	0.0%	
PCB-170 22'33'44'5'-HpCB	39.40	8.80E+07	1.03 Y	0.99	0.99	0.1%	
PCB-180/193 ...-HpCB	38.33	2.28E+08	1.04 Y	1.07	1.07	-0.2%	
PCB-188 22'34'566'-HpCB	31.53	1.82E+08	1.03 Y	0.98	1.02	3.7%	
PCB-202 22'33'55'66'-OcCB	36.03	1.22E+08	0.90 Y	0.86	0.88	1.6%	
PCB-205 233'44'55'6'-OcCB	44.19	9.50E+07	0.91 Y	1.13	1.18	3.7%	
PCB-208 22'33'455'66'-NoCB	41.63	9.84E+07	0.77 Y	1.03	1.06	2.9%	
PCB-206 22'33'44'55'6'-NoCB	45.65	7.16E+07	0.77 Y	0.97	0.98	0.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.84	3.43E+08	3.08 Y	1.25	1.29	3.3%	
PCB-2 3-MoCB	11.59	3.28E+08	3.11 Y	1.28	1.32	3.1%	
PCB-3 4-MoCB	11.74	3.26E+08	3.10 Y	1.27	1.31	3.4%	
PCB-4 22'-DiCB	11.95	1.78E+08	1.56 Y	0.90	0.93	3.5%	
PCB-10 26'-DiCB	12.11	2.83E+08	1.55 Y	1.38	1.47	6.7%	
PCB-9 25'-DiCB	13.67	2.82E+08	1.55 Y	0.99	0.96	-2.5%	
PCB-7 24'-DiCB	13.81	3.21E+08	1.55 Y	1.10	1.10	-0.6%	
PCB-6 23'-DiCB	14.01	3.00E+08	1.55 Y	1.04	1.03	-1.4%	
PCB-5 23'-DiCB	14.27	3.00E+08	1.55 Y	1.02	1.02	-0.2%	
PCB-8 24'-DiCB	14.38	3.04E+08	1.56 Y	1.03	1.04	0.4%	
PCB-14 35'-DiCB	15.78	3.50E+08	1.55 Y	1.20	1.19	-0.5%	
PCB-11 33'-DiCB	16.48	3.02E+08	1.56 Y	1.03	1.03	0.4%	
PCB-13/12 34'/34'-DiCB	16.74	6.26E+08	1.55 Y	1.03	1.07	3.4%	
PCB-15 44'-DiCB	17.00	3.23E+08	1.55 Y	1.10	1.10	0.4%	
PCB-19 22'6'-TrCB	14.63	1.42E+08	1.03 Y	0.95	0.96	1.1%	
PCB-30/18 246/22'5'-TrCB	16.22	3.85E+08	1.03 Y	1.23	1.30	5.5%	
PCB-17 22'4'-TrCB	16.58	1.62E+08	1.04 Y	1.05	1.09	3.7%	
PCB-27 23'6'-TrCB	16.76	2.29E+08	1.03 Y	1.46	1.55	5.8%	
PCB-24 236'-TrCB	16.88	2.13E+08	1.03 Y	1.32	1.44	8.8%	
PCB-16 22'3'-TrCB	16.96	1.23E+08	1.03 Y	0.81	0.83	2.5%	
PCB-32 24'6'-TrCB	17.41	2.24E+08	1.04 Y	1.48	1.51	2.5%	
PCB-34 23'5'-TrCB	18.49	2.73E+08	1.06 Y	1.46	1.54	5.3%	
PCB-23 235'-TrCB	18.62	2.77E+08	1.05 Y	1.50	1.56	3.8%	
PCB-26/29 23'5'/245'-TrCB	18.89	5.66E+08	1.05 Y	1.53	1.59	4.2%	
PCB-25 23'4'-TrCB	19.08	2.88E+08	1.05 Y	1.53	1.62	5.8%	
PCB-31 24'5'-TrCB	19.34	2.82E+08	1.05 Y	1.55	1.59	2.5%	
PCB-28/20 244'/233'-TrCB	19.60	5.52E+08	1.05 Y	1.51	1.55	3.2%	
PCB-21/33 234/23'4'-TrCB	19.76	5.77E+08	1.06 Y	1.55	1.63	5.2%	
PCB-22 234'-TrCB	20.11	2.60E+08	1.05 Y	1.40	1.47	4.8%	
PCB-36 33'5'-TrCB	21.44	2.80E+08	1.05 Y	1.52	1.58	3.8%	
PCB-39 34'5'-TrCB	21.74	2.92E+08	1.05 Y	1.58	1.64	3.9%	
PCB-38 345'-TrCB	22.23	2.72E+08	1.06 Y	1.47	1.53	4.3%	
PCB-35 33'4'-TrCB	22.61	2.43E+08	1.05 Y	1.33	1.37	2.8%	
PCB-37 344'-TrCB	22.95	2.52E+08	1.05 Y	1.39	1.42	2.1%	
PCB-54 22'66'-TeCB	17.25	2.23E+08	0.80 Y	1.05	1.11	5.2%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	3.01E+08	0.77 Y	0.88	0.92	5.1%	
PCB-45 22'36'-TeCB	19.65	1.20E+08	0.76 Y	0.73	0.74	0.4%	
PCB-51 22'46'-TeCB	19.73	1.61E+08	0.77 Y	0.94	0.99	5.2%	
PCB-46 22'36'-TeCB	19.92	1.18E+08	0.77 Y	0.72	0.72	0.6%	
PCB-52 22'55'-TeCB	21.13	1.37E+08	0.78 Y	0.82	0.84	1.6%	
PCB-73 23'5'6'-TeCB	21.26	1.91E+08	0.77 Y	1.10	1.17	6.4%	
PCB-43 22'35'-TeCB	21.34	1.12E+08	0.77 Y	0.70	0.68	-3.0%	
PCB-69/49 23'46'/22'45'-TeCB	21.53	3.42E+08	0.77 Y	1.01	1.05	3.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.79	1.40E+08	0.77 Y	0.84	0.86	1.4%	
PCB-44/47/65 ...-TeCB	21.99	4.54E+08	0.77 Y	0.90	0.93	2.8%	
PCB-59/62/75 ...-TeCB	22.26	6.05E+08	0.77 Y	1.15	1.23	6.9%	
PCB-42 22'34'-TeCB	22.41	1.28E+08	0.77 Y	0.76	0.78	2.2%	
PCB-41 22'34'-TeCB	22.72	1.04E+08	0.76 Y	0.64	0.64	-0.2%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.78E+08	0.77 Y	0.83	0.85	2.2%	
PCB-64 234'6'-TeCB	23.01	1.96E+08	0.77 Y	1.17	1.20	2.2%	
PCB-72 23'55'-TeCB	23.74	2.30E+08	0.77 Y	1.37	1.41	2.9%	
PCB-68 23'45'-TeCB	23.98	2.45E+08	0.77 Y	1.52	1.50	-1.2%	
PCB-57 233'5'-TeCB	24.33	2.15E+08	0.78 Y	1.32	1.32	-0.6%	
PCB-58 233'5'-TeCB	24.52	2.14E+08	0.78 Y	1.34	1.31	-2.0%	
PCB-67 23'45'-TeCB	24.67	2.36E+08	0.78 Y	1.41	1.44	2.1%	
PCB-63 234'5'-TeCB	24.89	2.37E+08	0.78 Y	1.46	1.45	-0.5%	
PCB-61/70/74/76 ...-TeCB	25.17	9.16E+08	0.77 Y	1.37	1.40	2.7%	
PCB-66 23'44'-TeCB	25.44	2.05E+08	0.77 Y	1.24	1.26	1.3%	
PCB-55 233'4'-TeCB	25.57	2.08E+08	0.77 Y	1.28	1.27	-0.3%	
PCB-56 233'4'-TeCB	26.00	2.01E+08	0.78 Y	1.23	1.23	0.1%	
PCB-60 2344'-TeCB	26.18	2.13E+08	0.77 Y	1.30	1.30	0.3%	
PCB-80 33'55'-TeCB	26.54	2.35E+08	0.77 Y	1.44	1.44	0.1%	
PCB-79 33'45'-TeCB	27.82	2.47E+08	0.78 Y	1.48	1.51	2.4%	
PCB-78 33'45'-TeCB	28.28	1.94E+08	0.78 Y	1.21	1.19	-1.7%	
PCB-104 22'466'-PeCB	21.94	2.11E+08	0.63 Y	1.12	1.14	1.9%	
PCB-96 22'366'-PeCB	22.23	1.90E+08	0.63 Y	0.96	1.03	6.6%	
PCB-103 22'45'6'-PeCB	23.89	1.14E+08	0.63 Y	0.93	0.91	-2.2%	
PCB-94 22'356'-PeCB	24.06	1.01E+08	0.63 Y	0.81	0.81	-0.3%	
PCB-95 22'35'6'-PeCB	24.43	1.06E+08	0.63 Y	0.85	0.84	-0.8%	
PCB-100/93 22'44'6/22'356'-PeCB	24.63	2.19E+08	0.62 Y	0.88	0.87	-1.3%	
PCB-102 22'456'-PeCB	24.74	1.09E+08	0.62 Y	0.93	0.87	-6.4%	
PCB-98 22'34'6'-PeCB	24.80	1.06E+08	0.63 Y	0.84	0.85	0.9%	
PCB-88 22'346'-PeCB	25.09	1.06E+08	0.62 Y	0.77	0.85	9.8%	
PCB-91 22'34'6'-PeCB	25.16	1.14E+08	0.63 Y	0.96	0.91	-5.5%	
PCB-84 22'33'6'-PeCB	25.33	8.91E+07	0.63 Y	0.72	0.71	-1.6%	
PCB-89 22'346'-PeCB	25.74	9.42E+07	0.62 Y	0.77	0.75	-2.7%	
PCB-121 23'45'6'-PeCB	26.12	1.43E+08	0.63 Y	1.15	1.14	-0.5%	
PCB-92 22'355'-PeCB	26.42	9.82E+07	0.63 Y	0.79	0.78	-1.4%	
PCB-113/90/101 ...-PeCB	26.89	3.57E+08	0.62 Y	0.95	0.95	-0.8%	
PCB-83 22'33'5'-PeCB	27.31	8.87E+07	0.62 Y	0.72	0.71	-1.9%	
PCB-99 22'44'5'-PeCB	27.41	1.06E+08	0.63 Y	0.90	0.84	-5.8%	
PCB-112 233'56'-PeCB	27.50	1.34E+08	0.63 Y	1.09	1.07	-2.4%	
PCB-109/119/86/97/125...-PeCB	27.83	7.24E+08	0.62 Y	0.95	0.96	1.4%	
PCB-117 234'56'-PeCB	28.35	1.13E+08	0.62 Y	0.99	0.90	-9.0%	
PCB-116/85 23456/22'344'-PeCB	28.42	2.49E+08	0.63 Y	0.96	0.99	3.3%	
PCB-110 233'4'6'-PeCB	28.55	1.18E+08	0.63 Y	1.01	0.94	-6.5%	

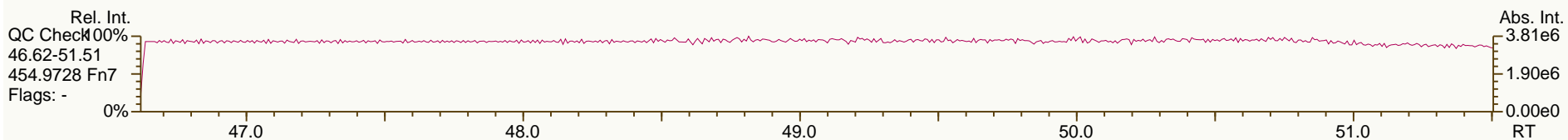
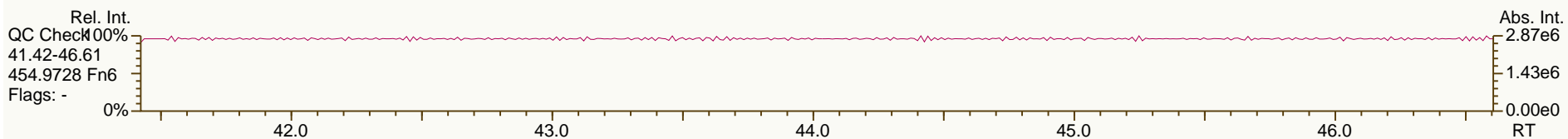
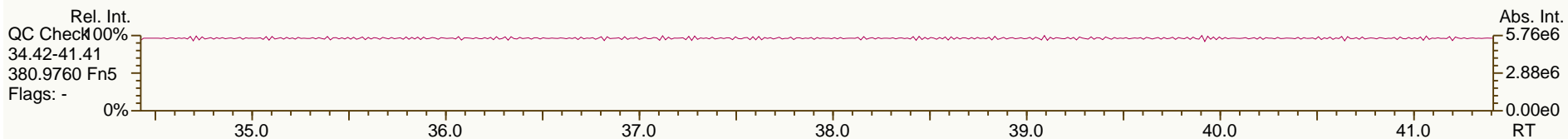
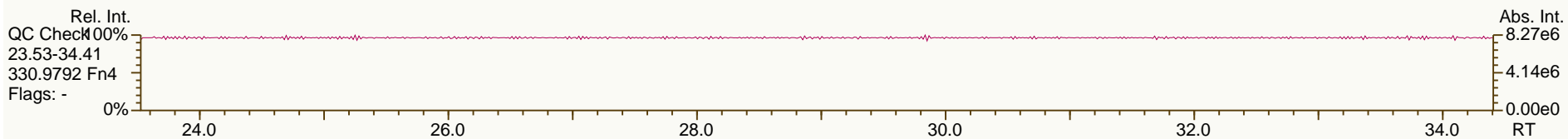
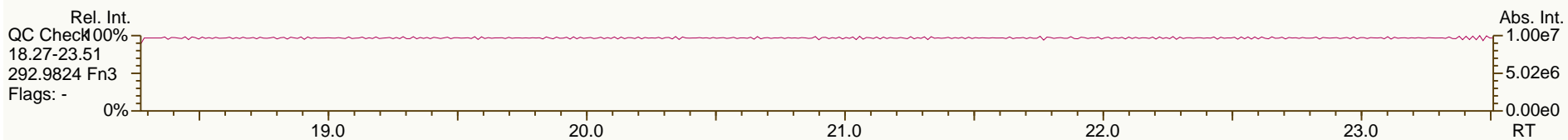
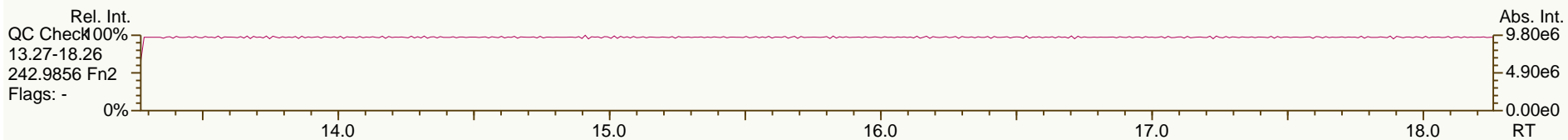
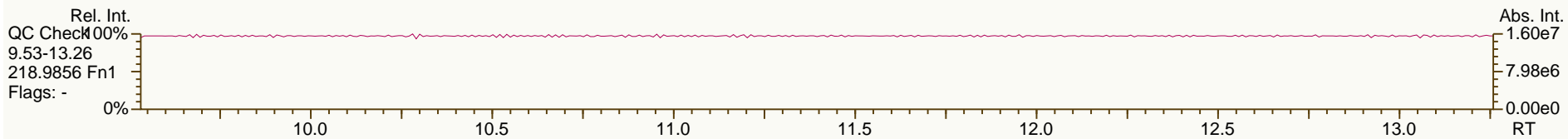
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.48E+08	0.63 Y	1.15	1.18	2.3%	
PCB-82 22'33'4'-PeCB	28.82	8.37E+07	0.62 Y	0.70	0.67	-4.4%	
PCB-111 233'55'-PeCB	29.18	1.39E+08	0.62 Y	1.16	1.11	-5.1%	
PCB-120 23'455'-PeCB	29.56	1.41E+08	0.62 Y	1.14	1.13	-0.9%	
PCB-108/124 ...-PeCB	30.50	2.57E+08	0.62 Y	1.02	1.02	0.5%	
PCB-107 233'4'5'-PeCB	30.70	1.44E+08	0.62 Y	1.13	1.15	1.3%	
PCB-106 233'45'-PeCB	30.90	1.30E+08	0.64 Y	1.01	1.04	2.4%	
PCB-122 233'4'5'-PeCB	31.36	1.17E+08	0.63 Y	0.91	0.93	2.3%	
PCB-127 33'455'-PeCB	33.31	1.28E+08	0.63 Y	1.06	1.08	2.5%	
PCB-155 22'44'66'-HxCB	26.74	1.91E+08	1.24 Y	1.09	1.09	0.0%	
PCB-152 22'3566'-HxCB	26.87	1.87E+08	1.23 Y	1.04	1.07	3.0%	
PCB-150 22'34'66'-HxCB	27.02	1.77E+08	1.23 Y	1.03	1.01	-1.4%	
PCB-136 22'33'66'-HxCB	27.31	1.70E+08	1.25 Y	0.97	0.97	-0.2%	
PCB-145 22'3466'-HxCB	27.57	1.67E+08	1.24 Y	0.96	0.96	-0.6%	
PCB-148 22'34'56'-HxCB	28.86	1.29E+08	1.25 Y	1.03	1.03	0.0%	
PCB-151/135 ...-HxCB	29.36	2.47E+08	1.24 Y	0.99	0.99	-0.4%	
PCB-154 22'44'56'-HxCB	29.57	1.45E+08	1.23 Y	1.17	1.16	-0.8%	
PCB-144 22'345'6'-HxCB	29.82	1.24E+08	1.24 Y	1.03	0.99	-3.2%	
PCB-147/149 ...-HxCB	30.12	2.58E+08	1.24 Y	1.02	1.03	1.4%	
PCB-134 22'33'56'-HxCB	30.28	9.65E+07	1.24 Y	0.80	0.77	-3.5%	
PCB-143 22'3456'-HxCB	30.36	1.22E+08	1.25 Y	0.95	0.98	3.2%	
PCB-139/140 ...-HxCB	30.62	2.63E+08	1.24 Y	1.05	1.05	0.4%	
PCB-131 22'33'46'-HxCB	30.78	1.15E+08	1.25 Y	0.90	0.92	2.8%	
PCB-142 22'3456'-HxCB	30.91	1.13E+08	1.23 Y	0.93	0.90	-2.4%	
PCB-132 22'33'46'-HxCB	31.16	1.13E+08	1.24 Y	0.93	0.90	-2.7%	
PCB-133 22'33'55'-HxCB	31.60	1.19E+08	1.24 Y	0.97	0.96	-1.3%	
PCB-165 233'55'6'-HxCB	31.94	1.45E+08	1.24 Y	1.16	1.16	0.2%	
PCB-146 22'34'55'-HxCB	32.15	1.27E+08	1.23 Y	1.01	1.02	0.6%	
PCB-161 233'45'6'-HxCB	32.26	1.62E+08	1.24 Y	1.29	1.30	0.4%	
PCB-153/168 ...-HxCB	32.68	3.06E+08	1.24 Y	1.24	1.22	-1.0%	
PCB-141 22'3455'-HxCB	32.81	1.17E+08	1.24 Y	0.95	0.94	-1.3%	
PCB-130 22'33'45'-HxCB	33.15	1.03E+08	1.24 Y	0.82	0.83	0.7%	
PCB-137 22'344'5'-HxCB	33.35	1.33E+08	1.23 Y	0.97	1.06	9.6%	
PCB-164 233'4'5'6'-HxCB	33.44	1.54E+08	1.24 Y	1.25	1.23	-1.4%	
PCB-163/138/129 ...-HxCB	33.71	3.99E+08	1.23 Y	1.04	1.06	2.2%	
PCB-160 233'456'-HxCB	33.84	1.48E+08	1.25 Y	1.19	1.18	-0.7%	
PCB-158 233'44'6'-HxCB	34.03	1.71E+08	1.24 Y	1.34	1.36	1.9%	
PCB-128/166 ...-HxCB	34.74	2.19E+08	1.25 Y	0.96	0.97	0.8%	
PCB-159 233'455'-HxCB	35.59	1.29E+08	1.25 Y	1.12	1.14	1.6%	
PCB-162 233'4'55'-HxCB	35.83	1.31E+08	1.25 Y	1.13	1.16	3.1%	
PCB-188 22'34'566'-HpCB	31.53	1.82E+08	1.03 Y	0.98	1.02	3.7%	
PCB-179 22'33'566'-HpCB	31.80	1.60E+08	1.03 Y	0.90	0.89	-0.3%	
PCB-184 22'344'66'-HpCB	32.26	1.61E+08	1.02 Y	0.86	0.90	4.5%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:17			
Lab ID:	CS4_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 06:03						
Datafile:	121214V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.54	1.74E+08	1.03 Y	0.97	0.97	0.6%	
PCB-186 22'34566'-HpCB	32.92	1.64E+08	1.02 Y	0.93	0.92	-0.5%	
PCB-178 22'33'55'6'-HpCB	34.09	1.22E+08	1.03 Y	0.66	0.69	3.6%	
PCB-175 22'33'45'6'-HpCB	34.62	1.08E+08	1.04 Y	1.02	1.01	-1.3%	
PCB-187 22'34'55'6'-HpCB	34.85	1.11E+08	1.04 Y	1.03	1.04	1.1%	
PCB-182 22'344'56'-HpCB	35.02	1.12E+08	1.03 Y	1.10	1.05	-3.9%	
PCB-183 22'344'5'6'-HpCB	35.37	1.21E+08	1.03 Y	1.12	1.13	0.6%	
PCB-185 22'3455'6'-HpCB	35.44	1.02E+08	1.06 Y	0.97	0.95	-1.5%	
PCB-174 22'33'456'-HpCB	35.55	9.54E+07	1.04 Y	0.90	0.89	-0.3%	
PCB-177 22'33'45'6'-HpCB	35.92	9.28E+07	1.03 Y	0.87	0.87	-0.3%	
PCB-181 22'344'56'-HpCB	36.26	1.09E+08	1.03 Y	1.03	1.02	-1.5%	
PCB-171/173 ...-HpCB	36.43	1.88E+08	1.04 Y	0.89	0.88	-0.5%	
PCB-172 22'33'455'-HpCB	37.81	9.34E+07	1.03 Y	0.87	0.87	0.2%	
PCB-192 233'455'6'-HpCB	38.05	1.21E+08	1.04 Y	1.16	1.14	-2.2%	
PCB-180/193 ...-HpCB	38.33	2.28E+08	1.04 Y	1.07	1.07	-0.2%	
PCB-191 233'44'5'6'-HpCB	38.65	1.24E+08	1.04 Y	1.18	1.16	-2.1%	
PCB-170 22'33'44'5'-HpCB	39.40	8.80E+07	1.03 Y	0.99	0.99	0.1%	
PCB-190 233'44'56'-HpCB	39.85	1.22E+08	1.04 Y	1.36	1.38	1.6%	
PCB-202 22'33'55'66'-OcCB	36.03	1.22E+08	0.90 Y	0.86	0.88	1.6%	
PCB-201 22'33'45'66'-OcCB	36.81	1.35E+08	0.89 Y	0.95	0.97	2.4%	
PCB-204 22'344'566'-OcCB	37.38	1.27E+08	0.89 Y	0.90	0.91	1.2%	
PCB-197 22'33'44'66'-OcCB	37.56	1.32E+08	0.88 Y	0.96	0.95	-1.4%	
PCB-200 22'33'4566'-OcCB	37.64	1.35E+08	0.89 Y	0.88	0.97	10.3%	
PCB-198/199 ...-OcCB	39.99	1.82E+08	0.88 Y	0.63	0.66	4.0%	
PCB-196 22'33'44'56'-OcCB	40.56	9.26E+07	0.89 Y	0.66	0.67	0.9%	
PCB-203 22'344'55'6'-OcCB	40.72	9.60E+07	0.89 Y	0.69	0.69	-0.5%	
PCB-195 22'33'44'56'-OcCB	41.82	6.88E+07	0.90 Y	0.82	0.85	3.3%	
PCB-194 22'33'44'55'-OcCB	43.79	7.58E+07	0.91 Y	0.90	0.94	4.1%	
PCB-205 233'44'55'6'-OcCB	44.19	9.50E+07	0.91 Y	1.13	1.18	3.7%	
PCB-208 22'33'455'66'-NoCB	41.63	9.84E+07	0.77 Y	1.03	1.06	2.9%	
PCB-207 22'33'44'566'-NoCB	42.42	1.01E+08	0.77 Y	1.07	1.09	2.4%	
PCB-206 22'33'44'55'6'-NoCB	45.65	7.16E+07	0.77 Y	0.97	0.98	0.7%	

SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

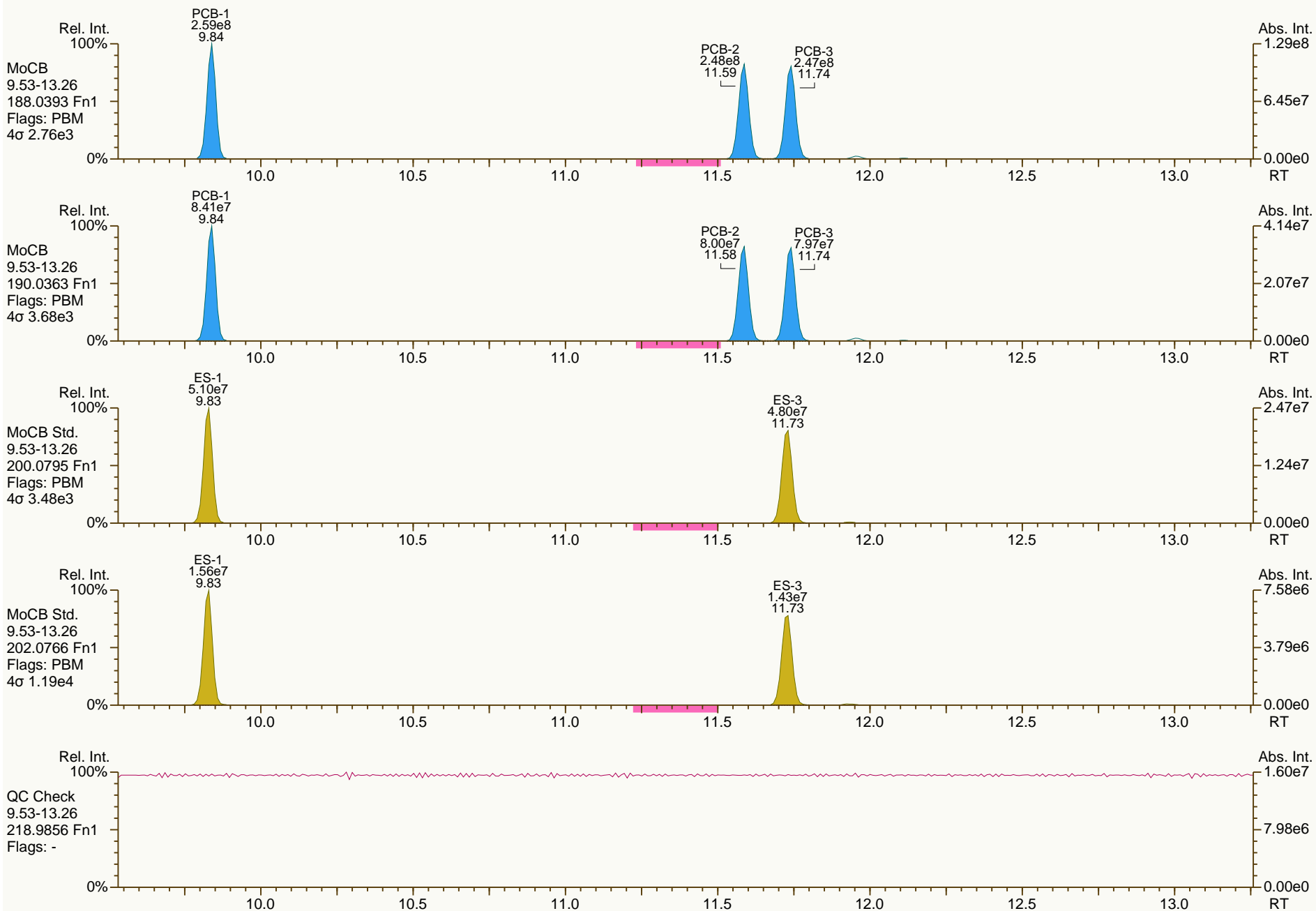
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

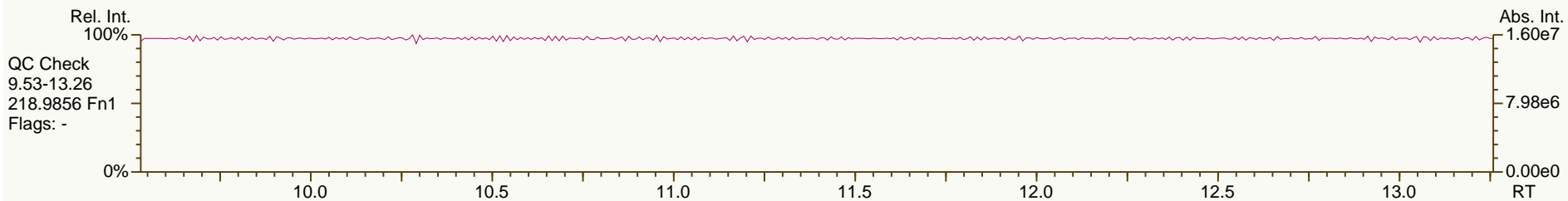
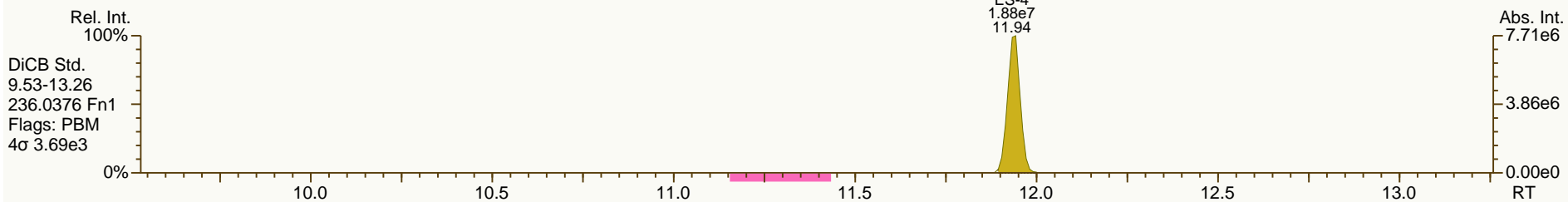
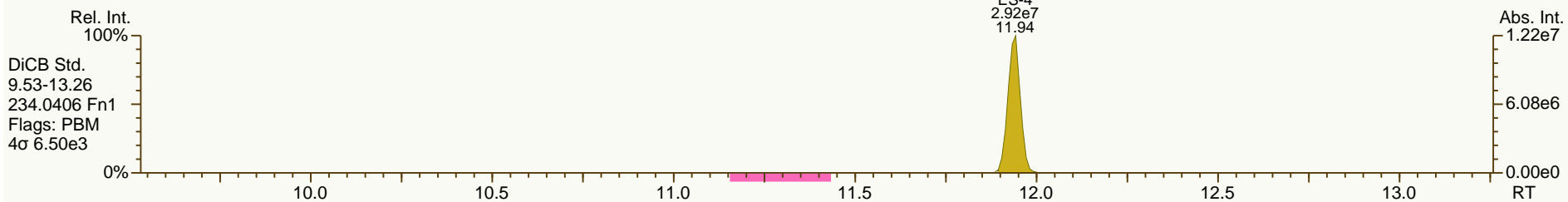
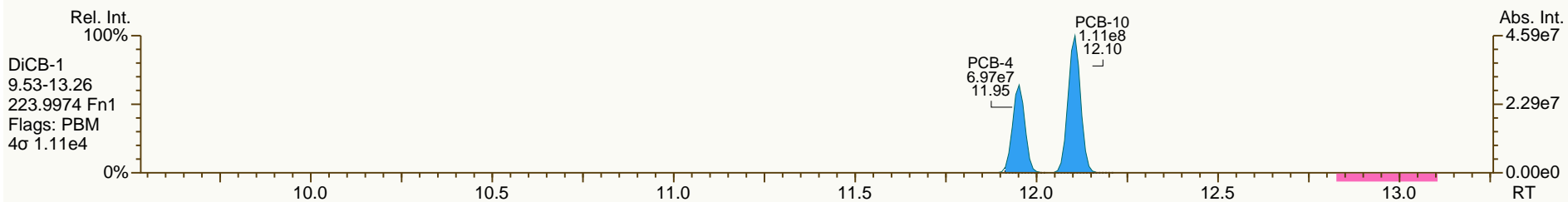
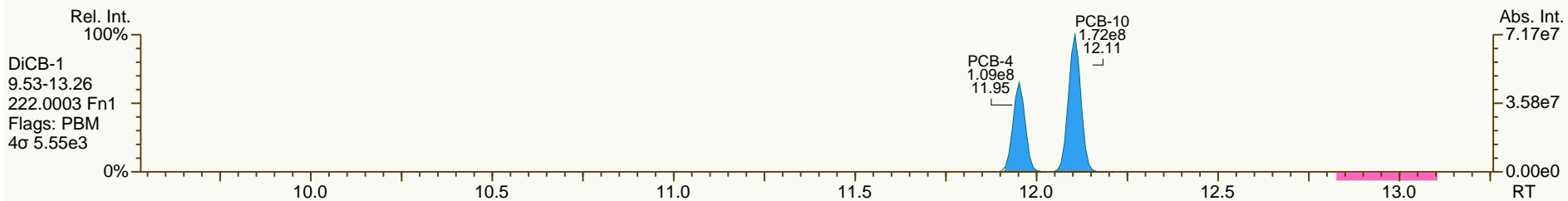
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 14-Dec-2012 06:03:38
User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

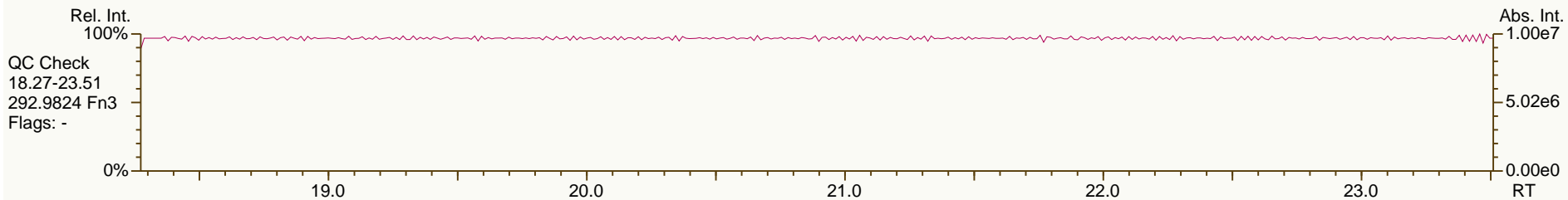
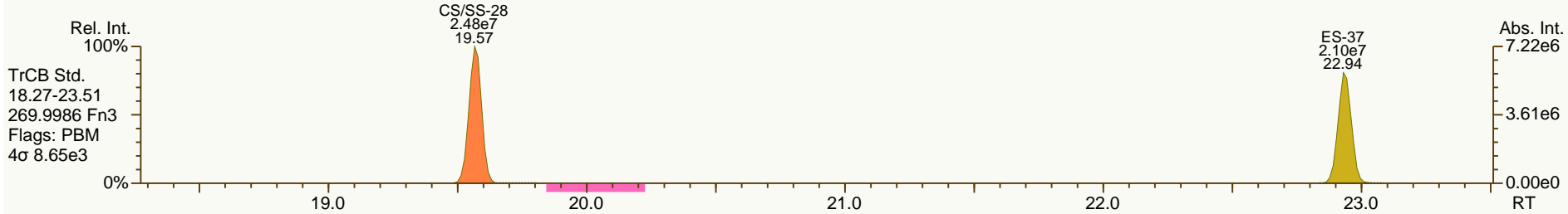
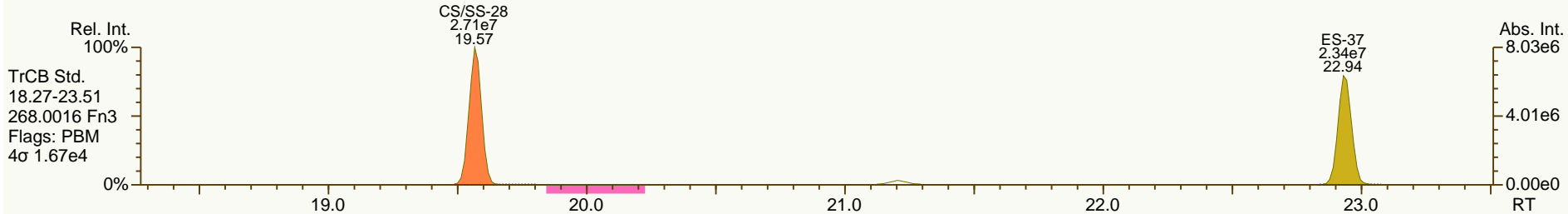
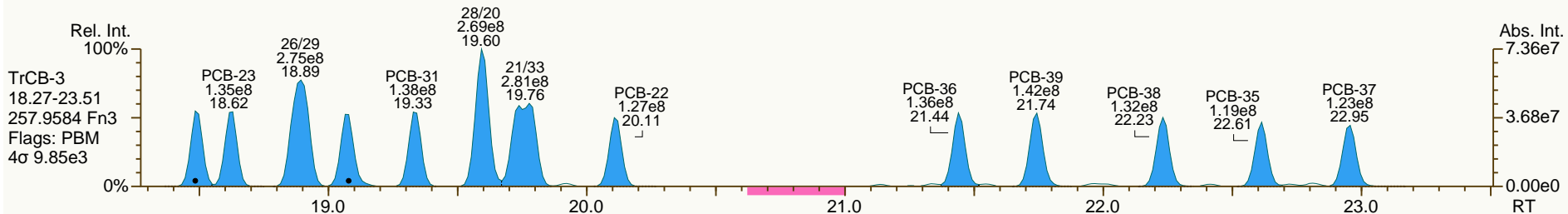
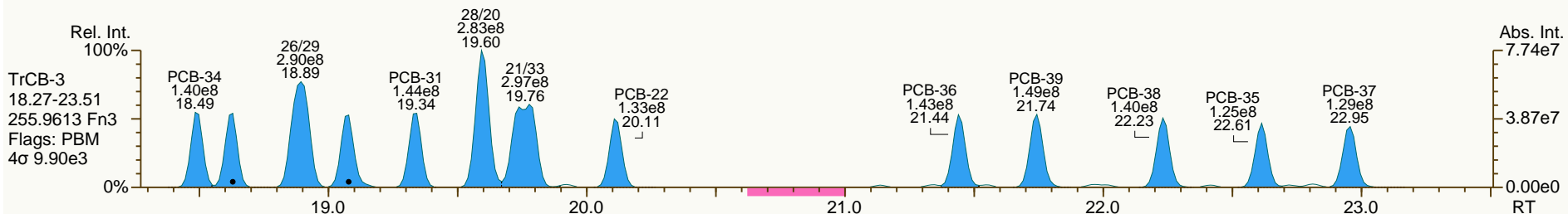
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

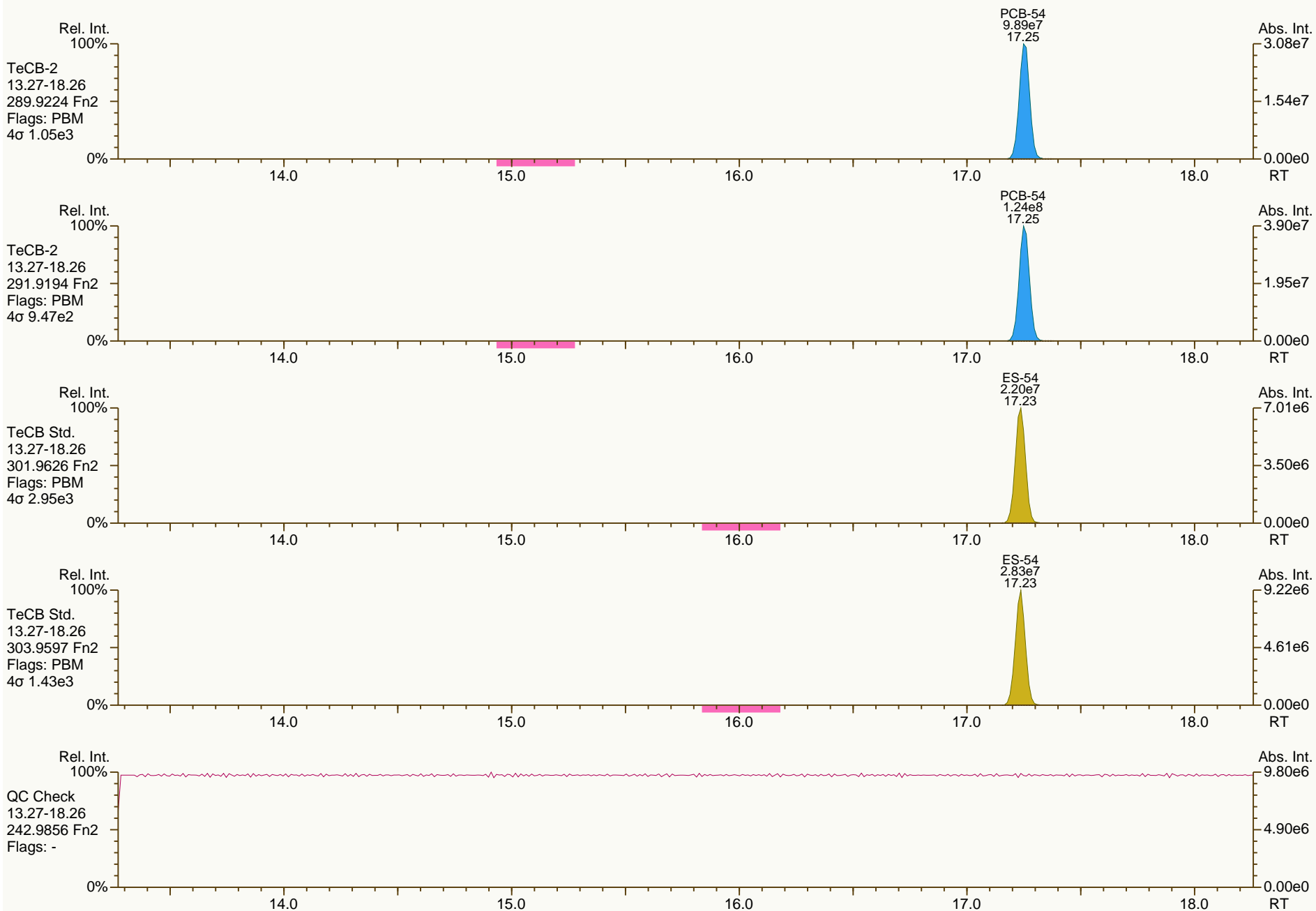
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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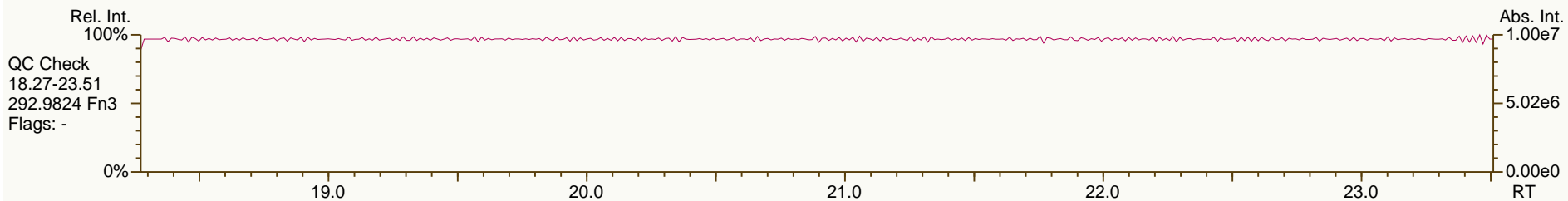
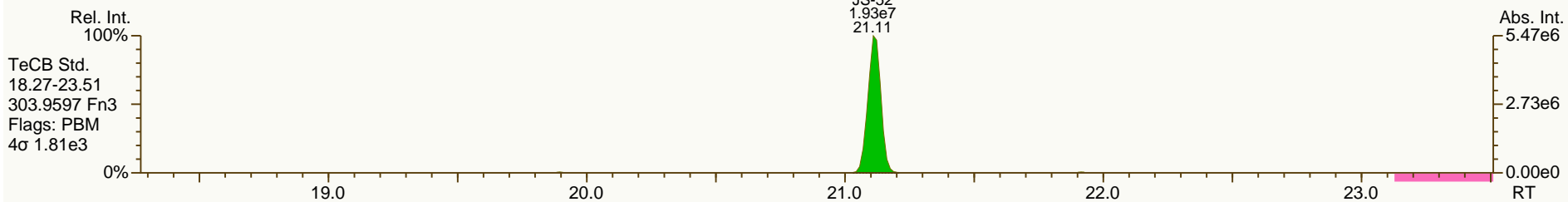
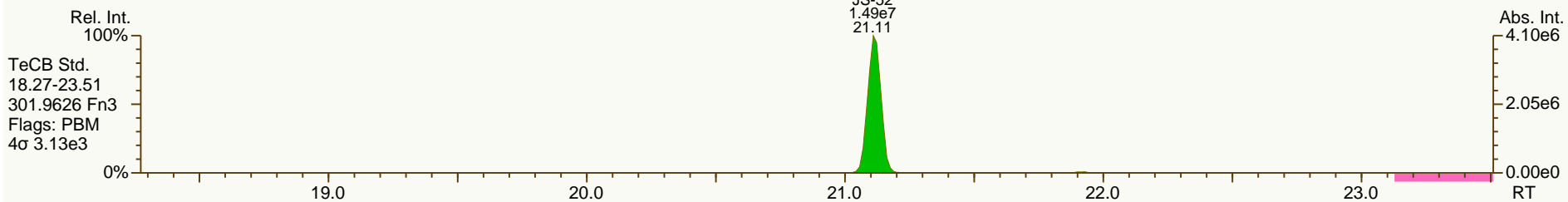
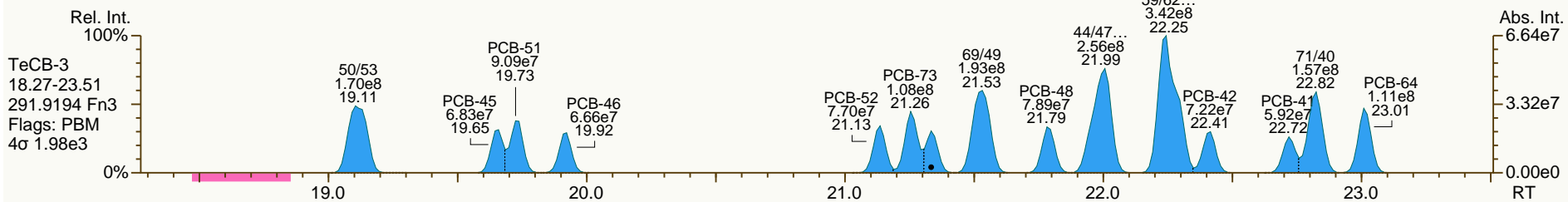
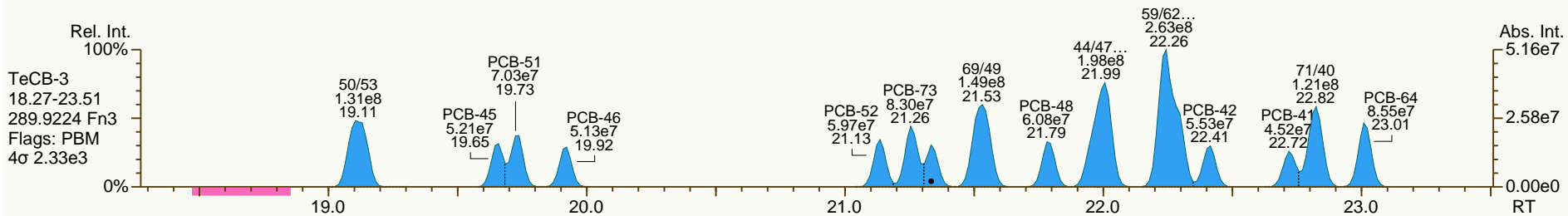
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

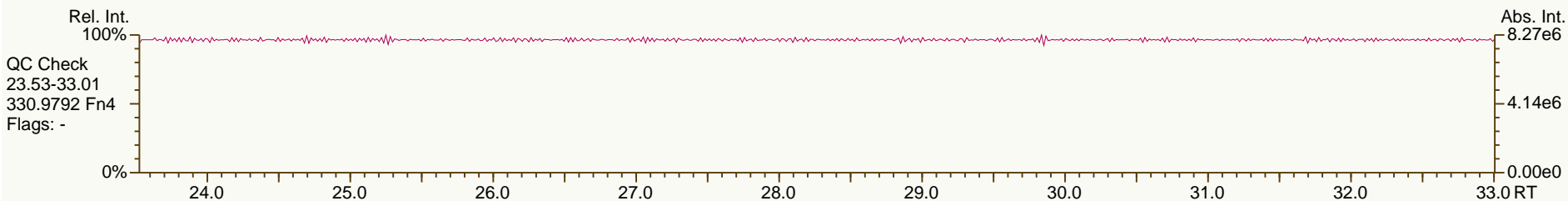
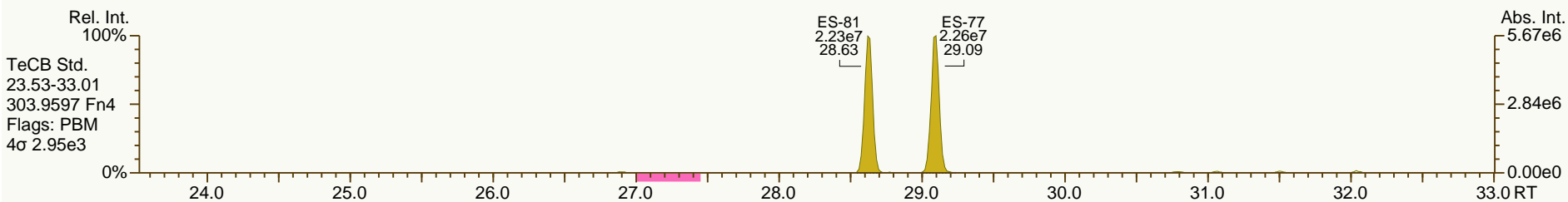
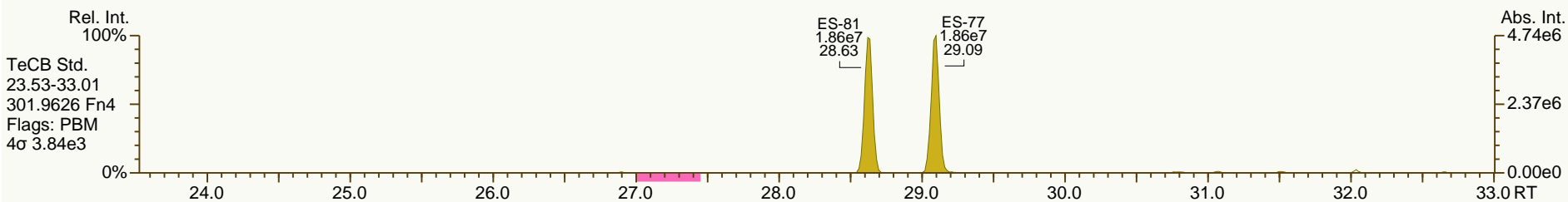
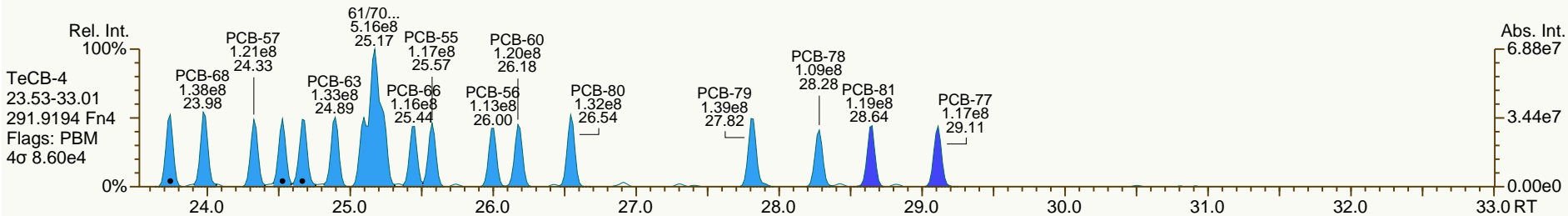
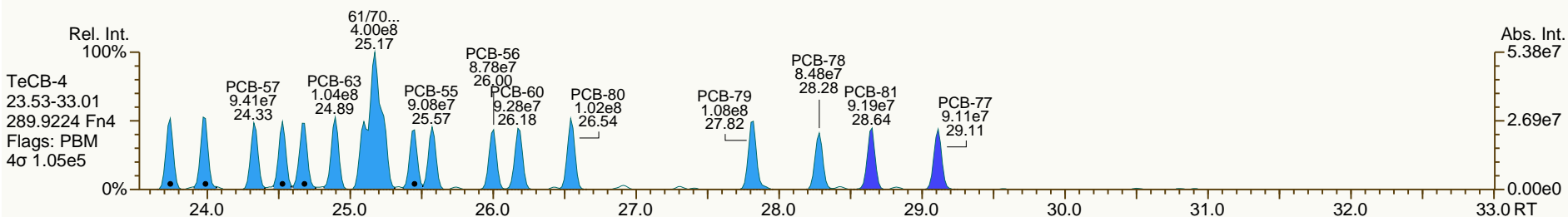
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

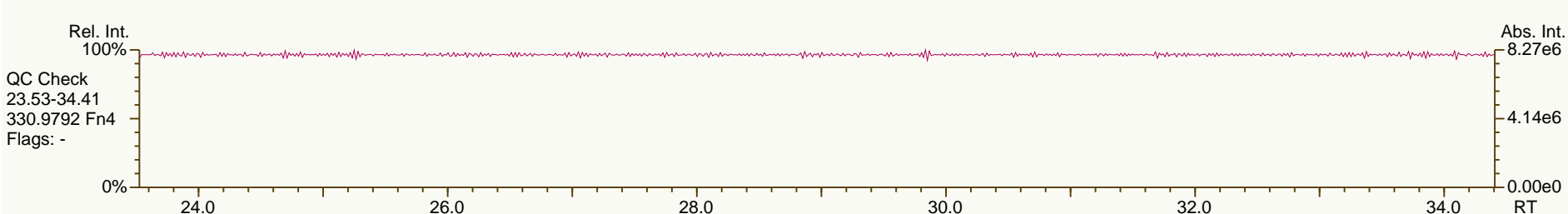
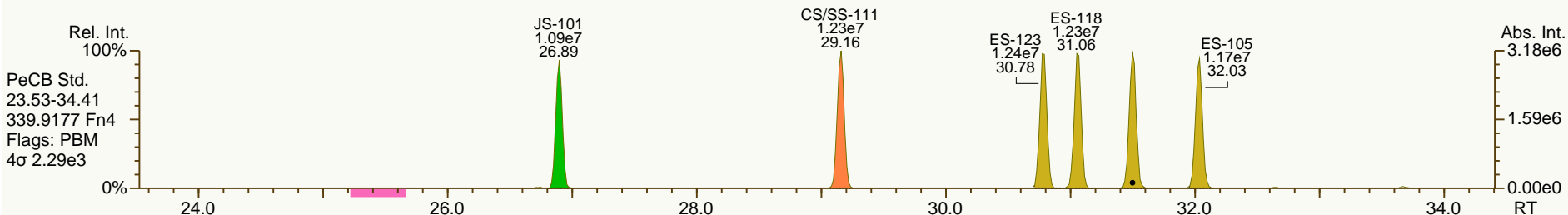
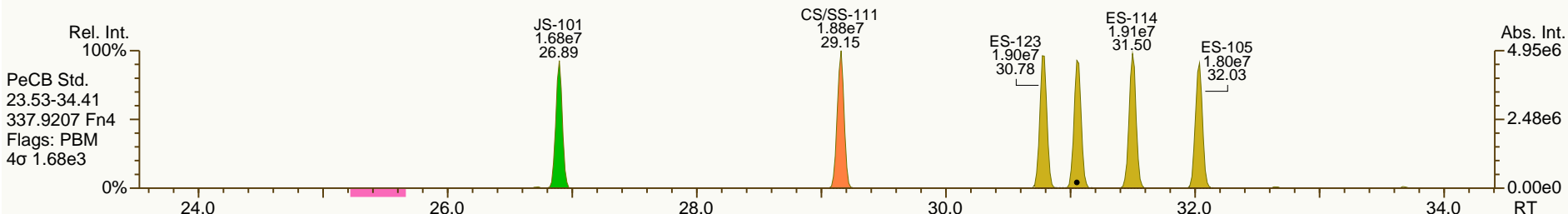
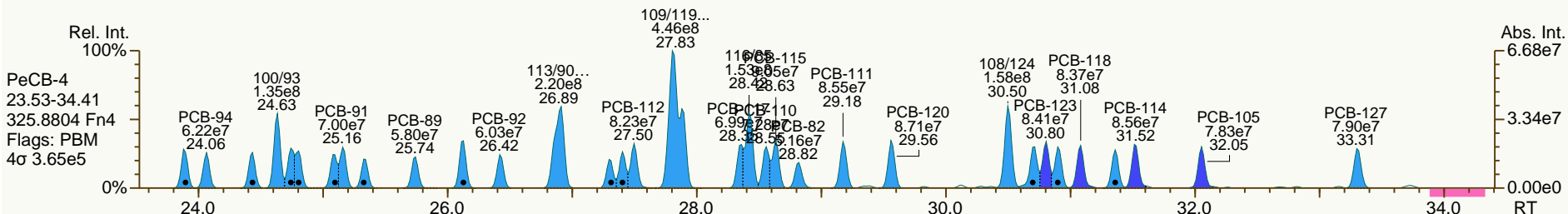
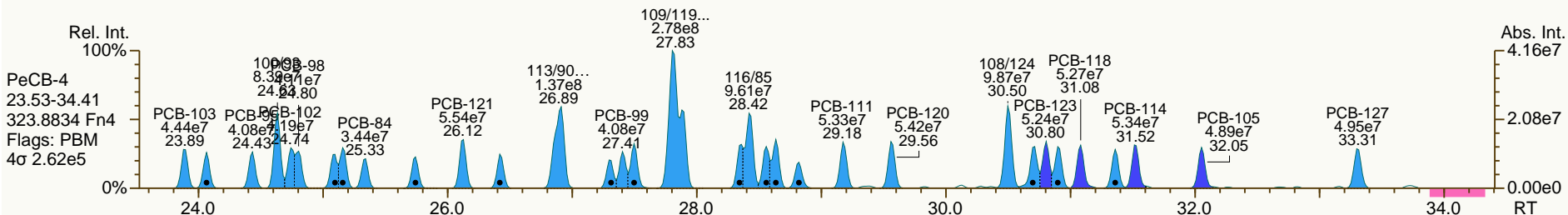
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 User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

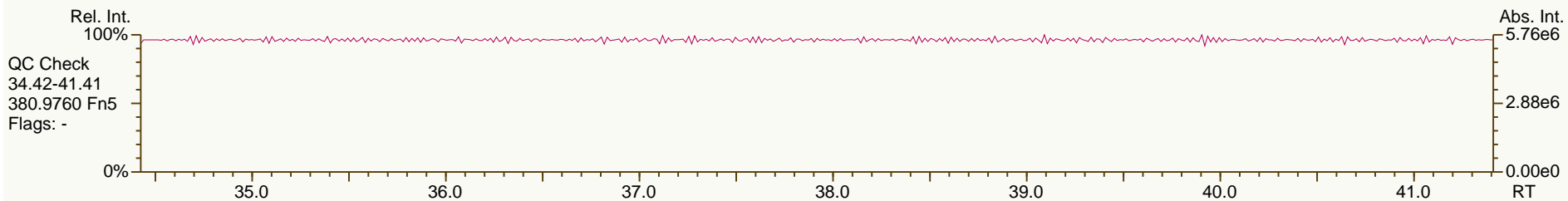
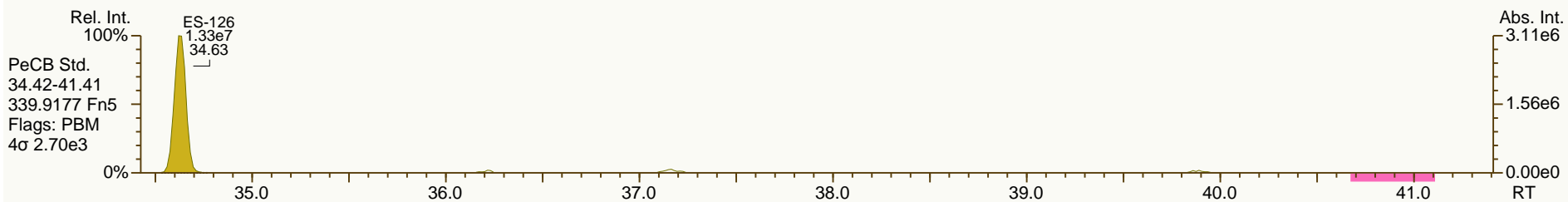
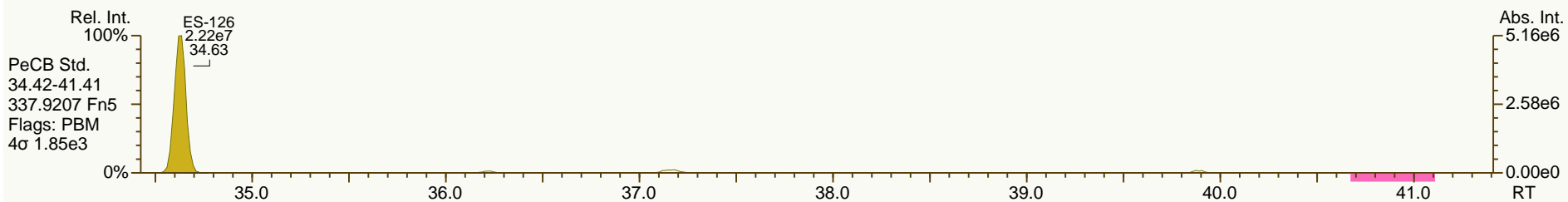
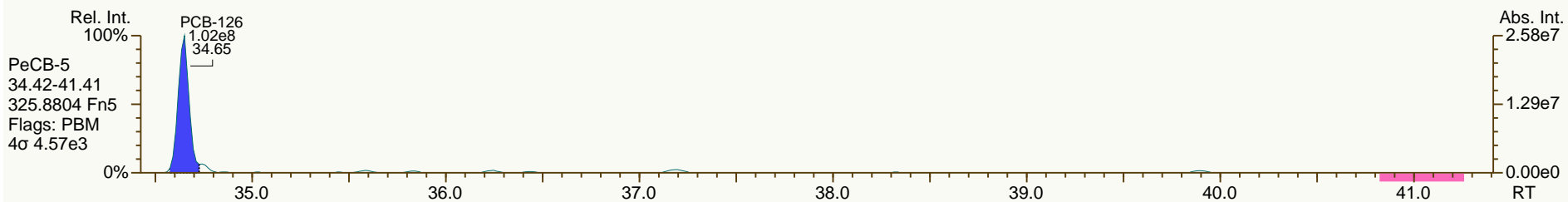
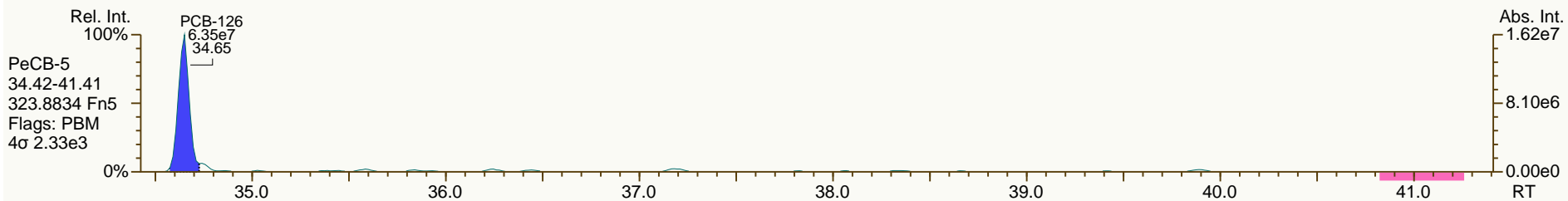
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

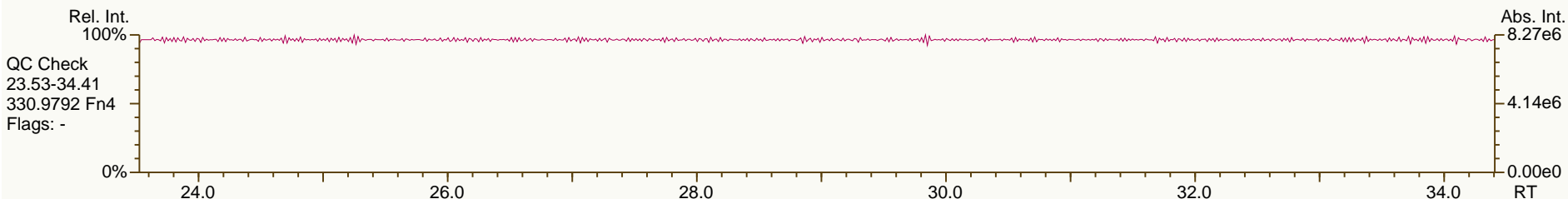
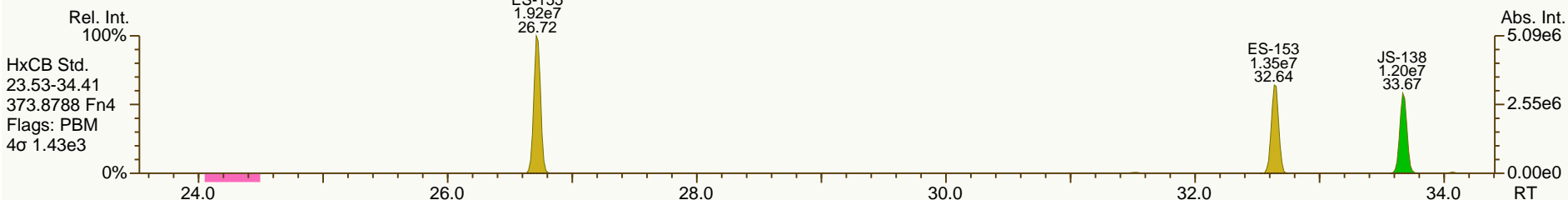
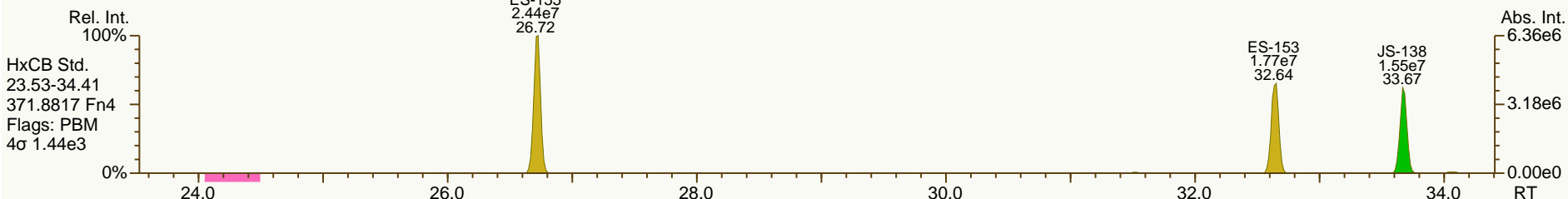
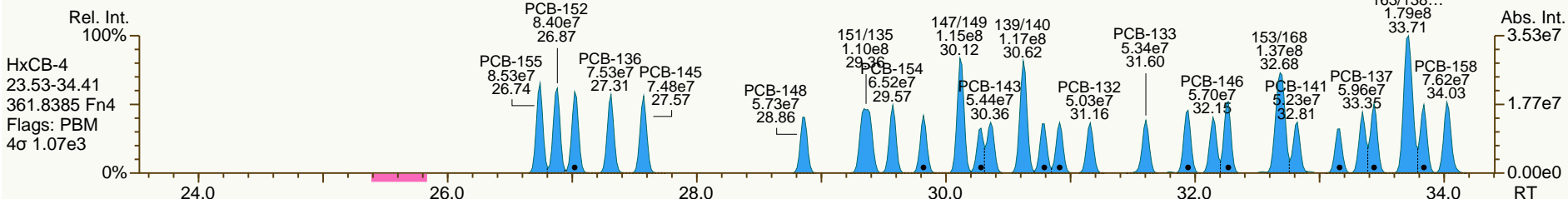
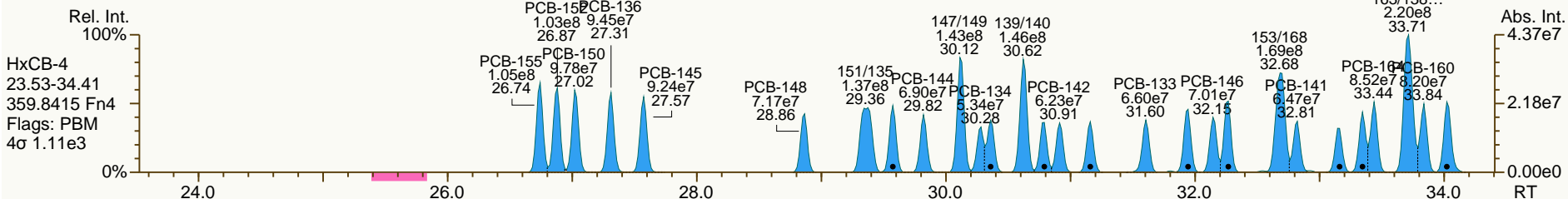
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

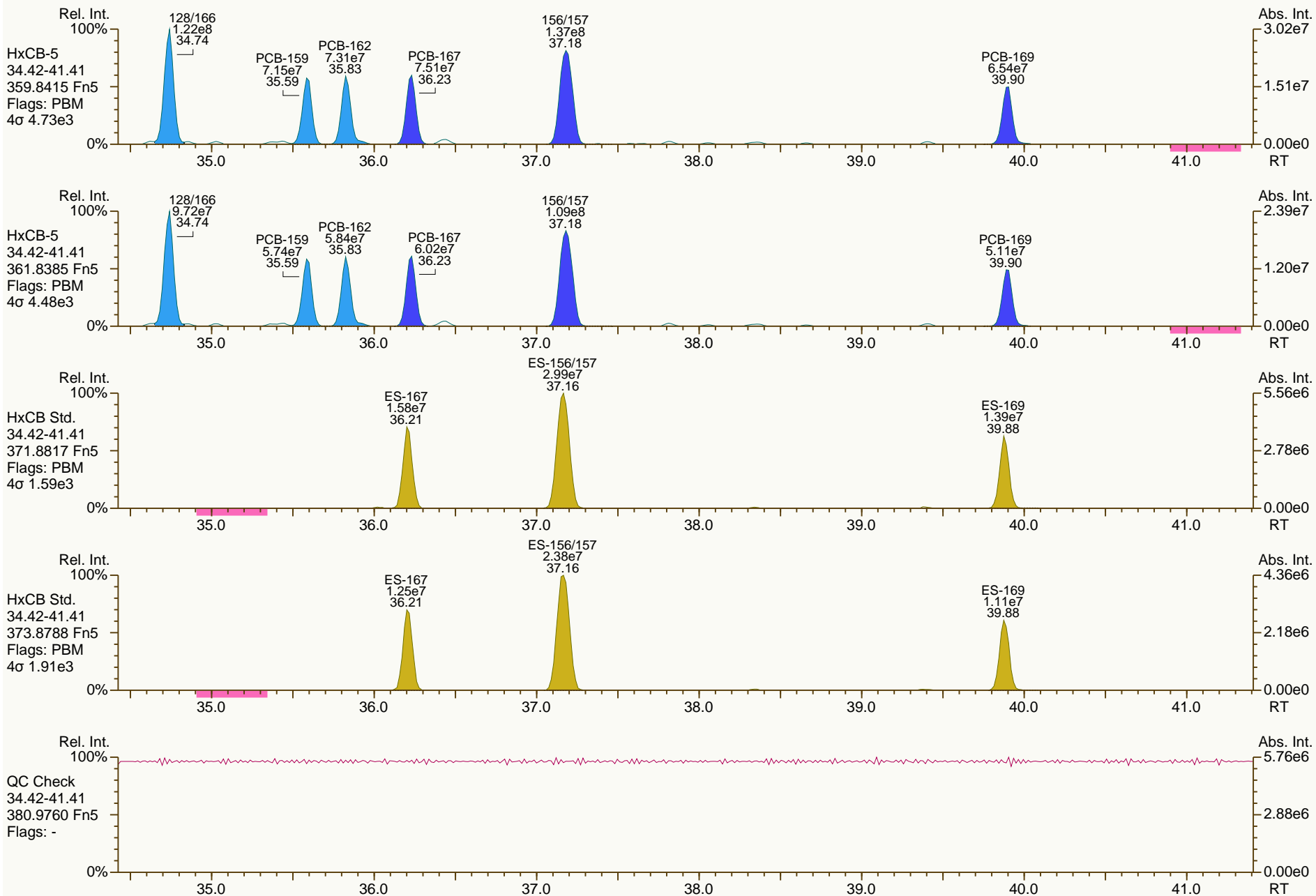
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

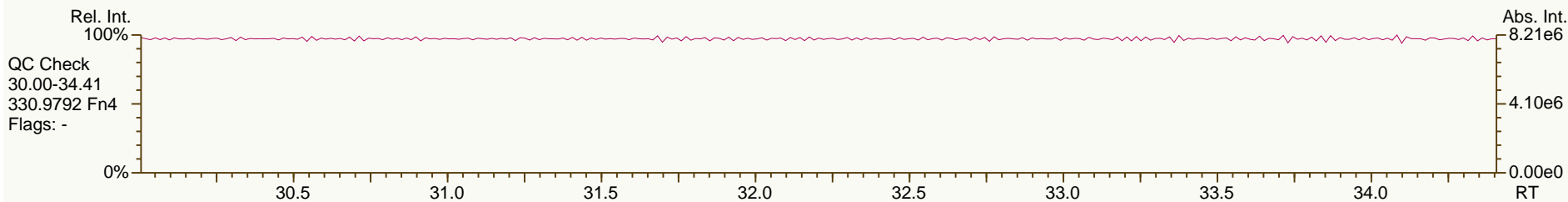
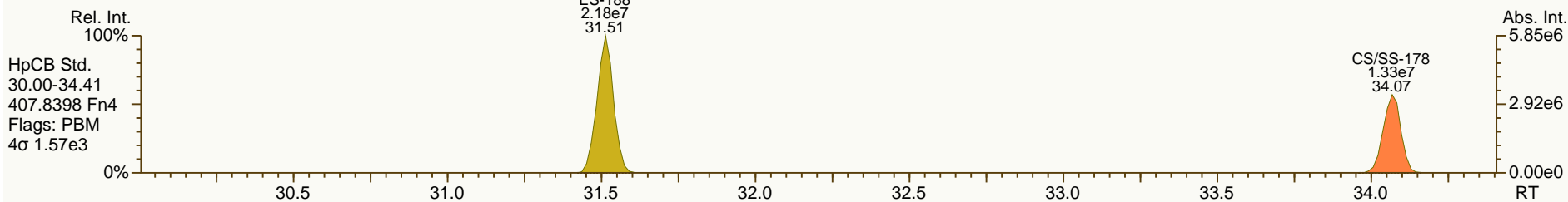
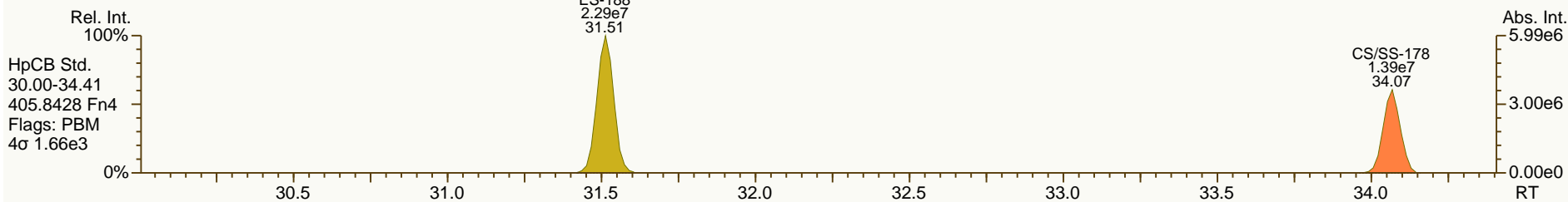
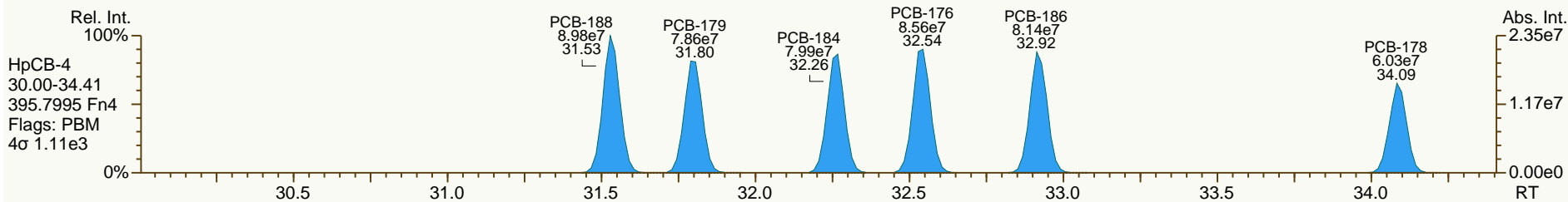
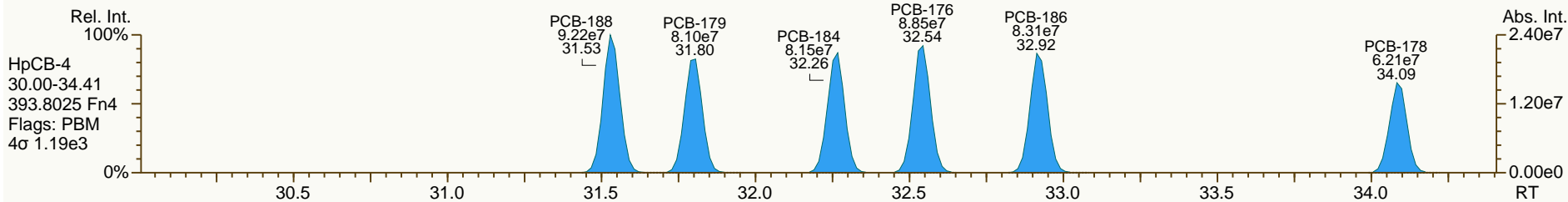
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

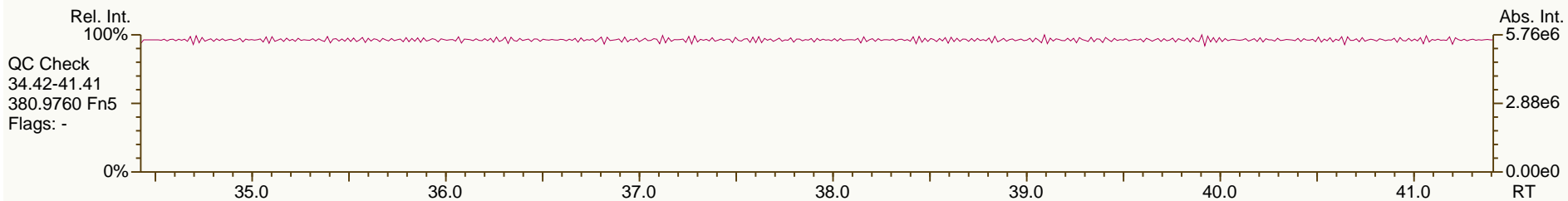
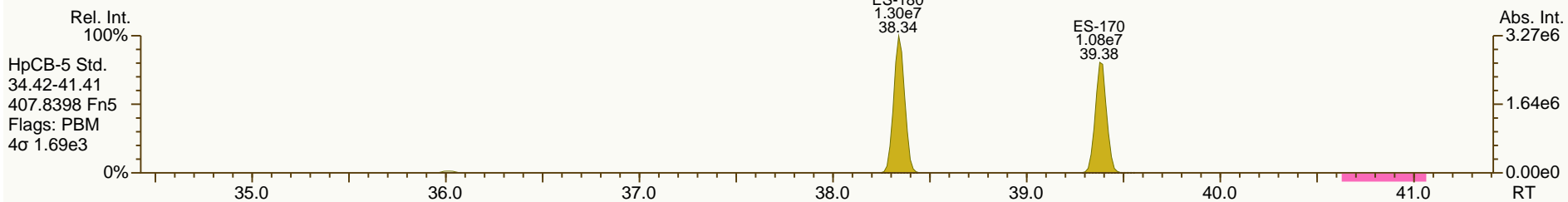
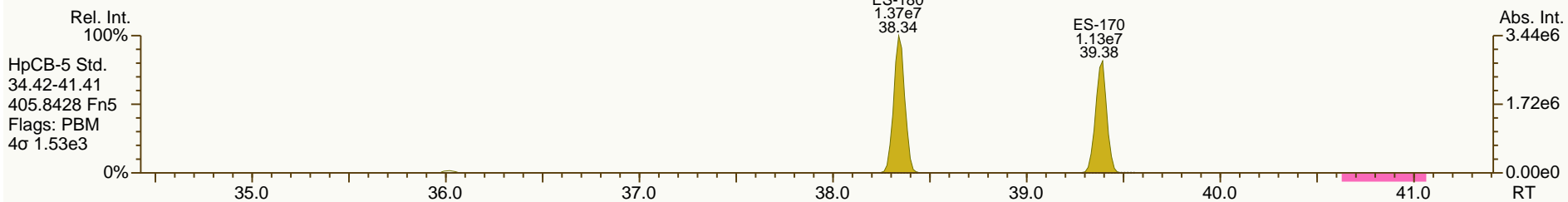
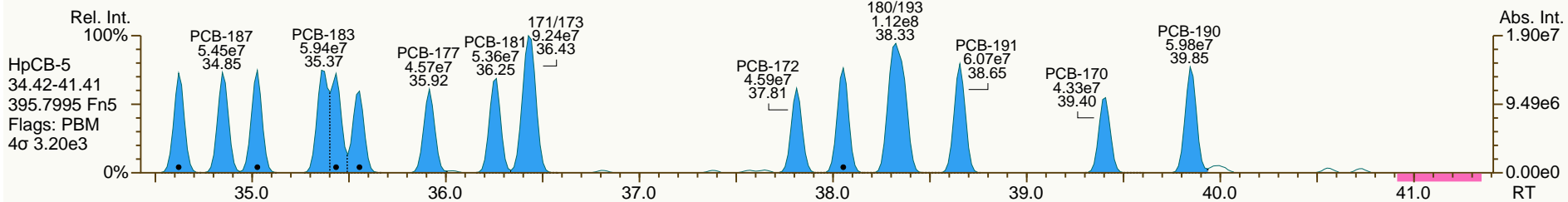
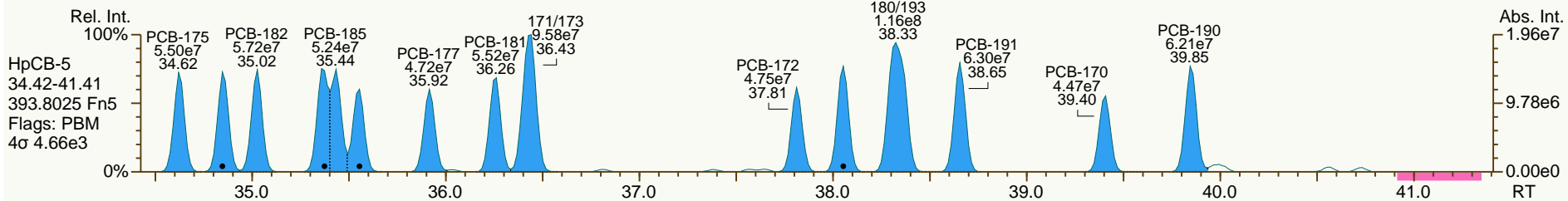
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

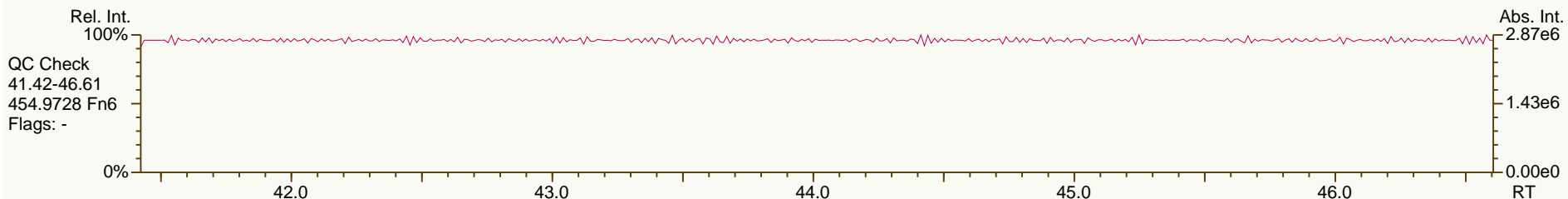
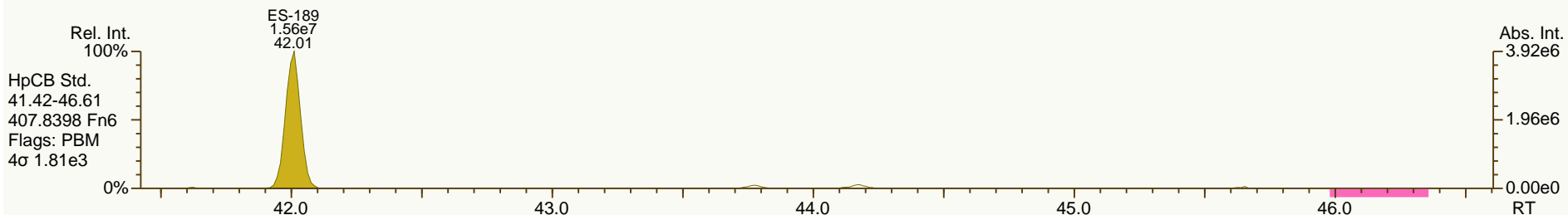
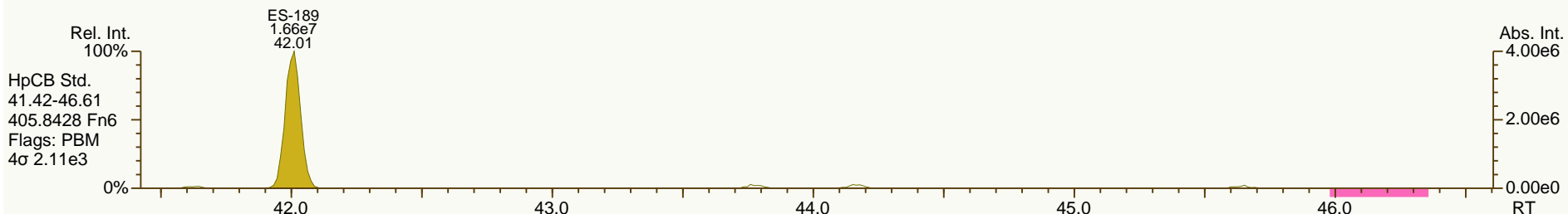
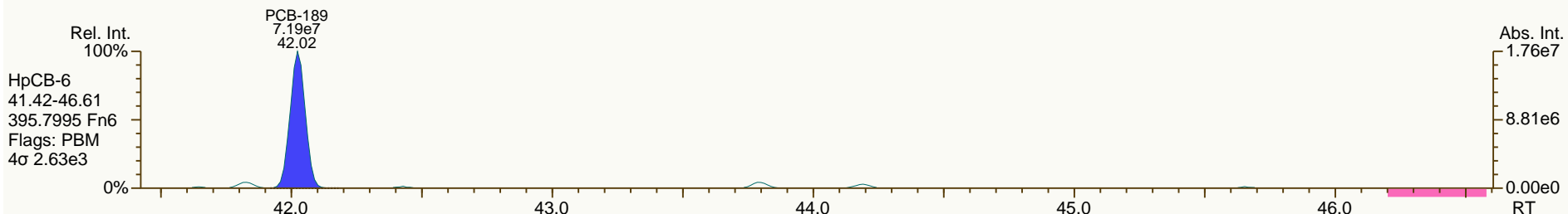
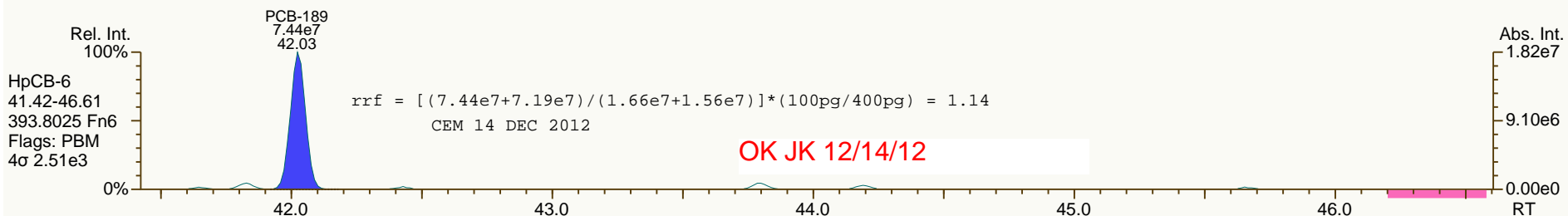
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 14-Dec-2012 06:03:38
User: CEM Datafile: 121214V06 (EQ)



SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

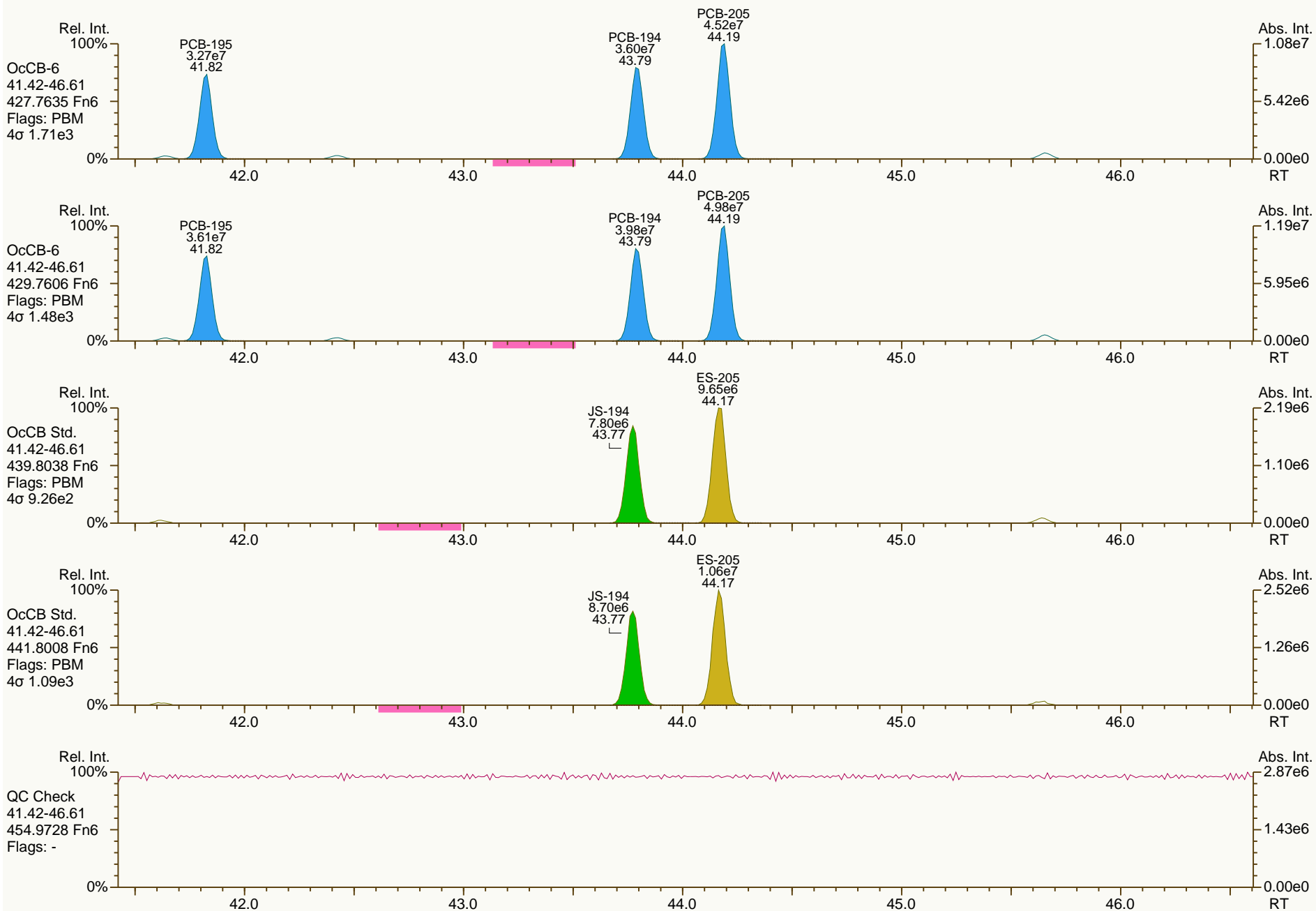
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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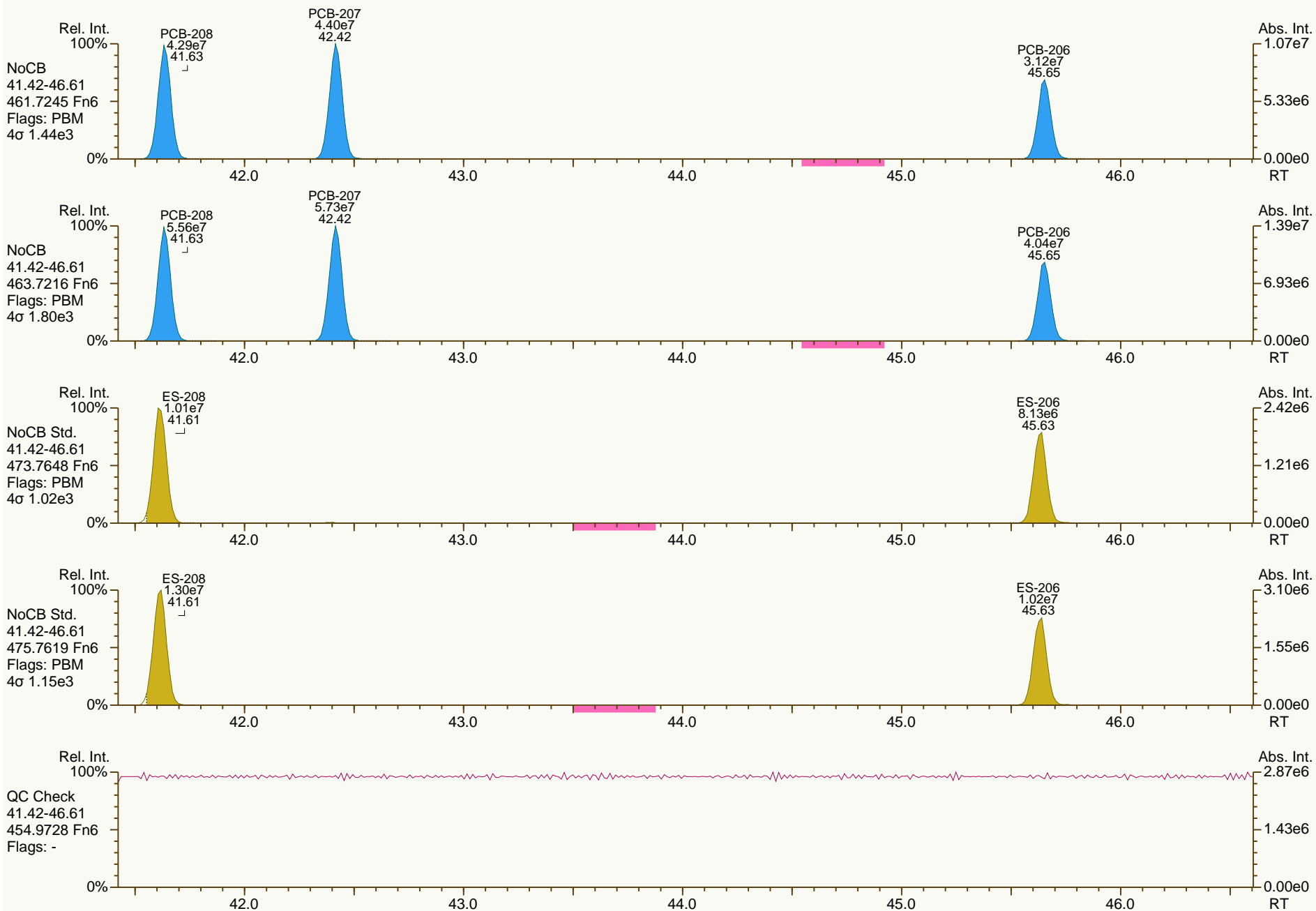
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
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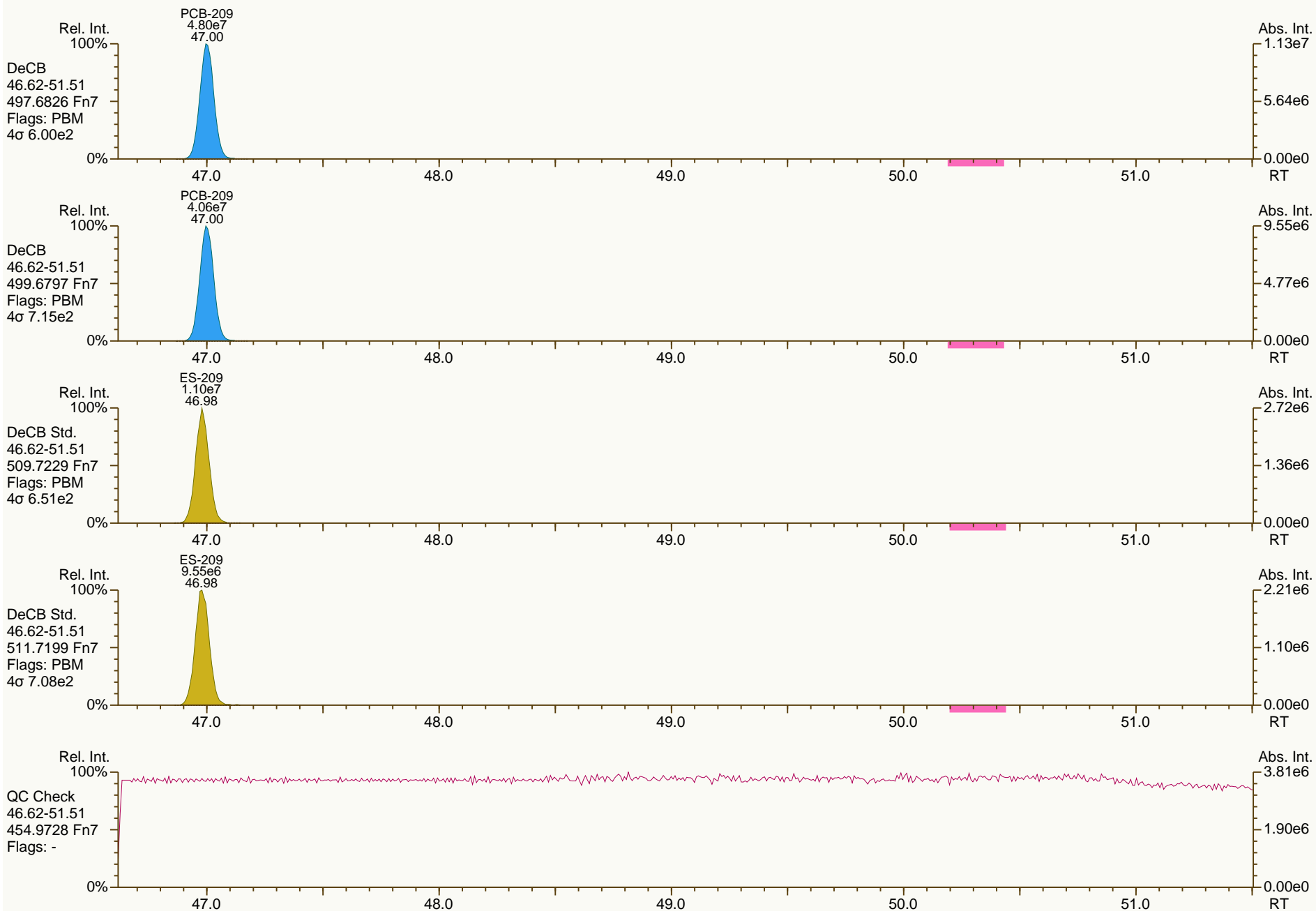
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SGS-AP ID: CS4_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

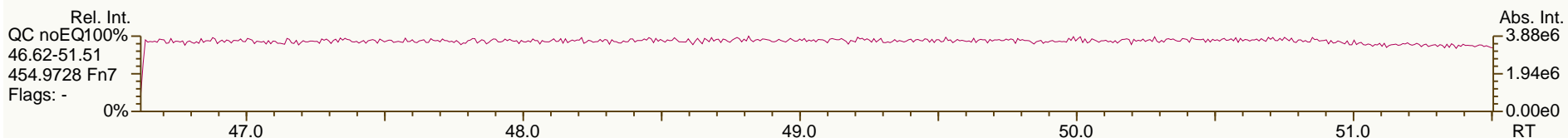
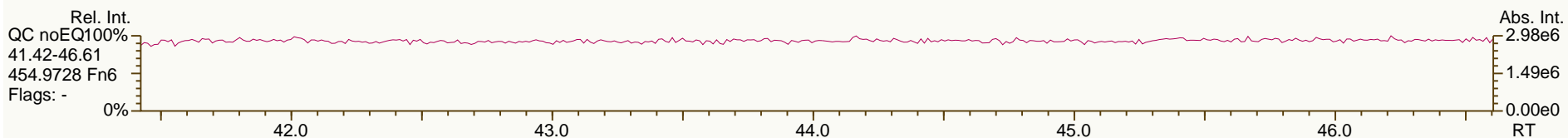
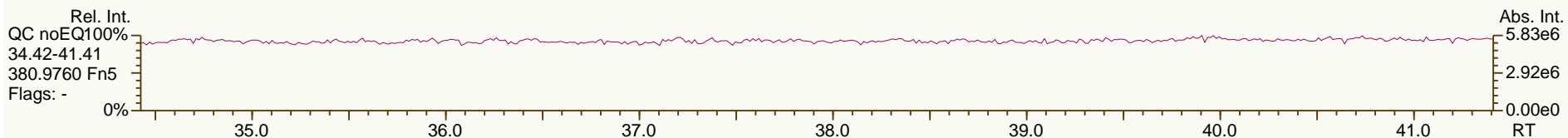
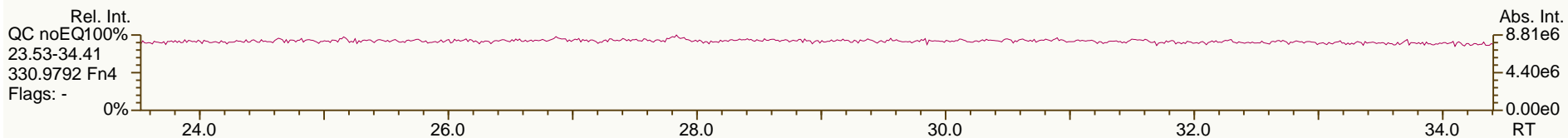
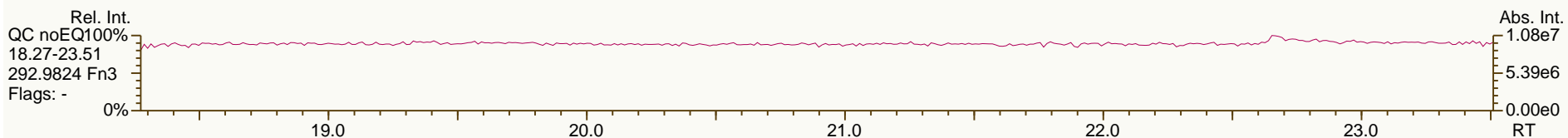
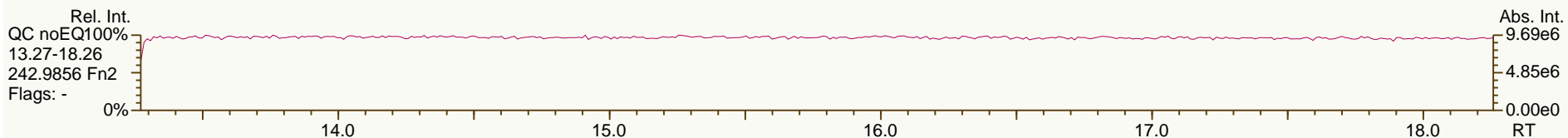
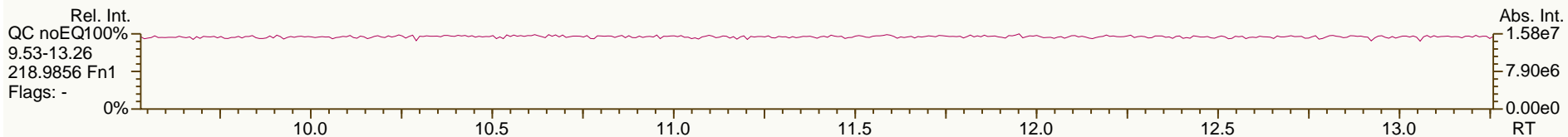
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SGS-AP ID: CS4_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 14

Acq: 14-Dec-2012 06:03:38
User: CEM Datafile: 121214V06 (EQ)



PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:18		
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	29.10	1.66E+09	0.78 Y	1.25	1.23	-1.1%	
PCB-81 344'5'-TeCB	28.64	1.71E+09	0.78 Y	1.26	1.26	0.2%	
PCB-105 233'44'-PeCB	32.05	9.93E+08	0.62 Y	1.06	1.02	-3.1%	
PCB-114 2344'5'-PeCB	31.52	1.15E+09	0.63 Y	1.11	1.12	0.5%	
PCB-118 23'44'5'-PeCB	31.08	1.09E+09	0.63 Y	1.08	1.07	-0.9%	
PCB-123 23'44'5'-PeCB	30.80	1.12E+09	0.63 Y	1.12	1.05	-6.4%	
PCB-126 33'44'5'-PeCB	34.64	1.36E+09	0.63 Y	1.16	1.11	-3.5%	
PCB-156/157 ...-HxCB	37.18	2.04E+09	1.24 Y	1.14	1.11	-2.4%	
PCB-167 23'44'55'-HxCB	36.22	1.10E+09	1.25 Y	1.18	1.19	0.5%	
PCB-169 33'44'55'-HxCB	39.89	9.71E+08	1.28 Y	1.15	1.13	-1.9%	
PCB-189 233'44'55'-HpCB	42.02	1.26E+09	1.04 Y	1.12	1.12	0.5%	
PCB-209 DeCB	46.99	7.51E+08	1.18 Y	1.11	1.06	-4.5%	
ES PCB-1	9.81	9.28E+07	3.24 Y	0.97	0.88	-9.3%	
ES PCB-3	11.71	8.94E+07	3.31 Y	0.90	0.85	-5.8%	
ES PCB-4	11.92	6.98E+07	1.53 Y	0.70	0.66	-5.5%	
ES PCB-15	16.98	1.20E+08	1.64 Y	1.02	1.14	12.3%	
ES PCB-19	14.60	5.73E+07	1.05 Y	0.53	0.54	3.2%	
ES PCB-37	22.93	7.26E+07	1.11 Y	1.29	1.28	-1.2%	
ES PCB-54	17.23	7.75E+07	0.77 Y	1.43	1.36	-4.4%	
ES PCB-77	29.09	6.72E+07	0.85 Y	1.20	1.18	-1.6%	
ES PCB-81	28.62	6.80E+07	0.82 Y	1.16	1.20	3.0%	
ES PCB-104	21.91	7.46E+07	1.54 Y	1.70	1.59	-6.7%	
ES PCB-105	32.03	4.86E+07	1.56 Y	1.10	1.04	-5.6%	
ES PCB-114	31.49	5.14E+07	1.52 Y	1.16	1.10	-5.1%	
ES PCB-118	31.05	5.09E+07	1.52 Y	1.15	1.09	-5.9%	
ES PCB-123	30.78	5.35E+07	1.53 Y	1.14	1.14	0.0%	
ES PCB-126	34.62	6.08E+07	1.64 Y	1.34	1.30	-3.1%	
ES PCB-153	32.64	5.17E+07	1.28 Y	1.14	1.09	-4.7%	
ES PCB-155	26.71	7.08E+07	1.28 Y	1.61	1.49	-7.4%	
ES PCB-156/157	37.16	9.19E+07	1.25 Y	0.98	0.97	-0.8%	
ES PCB-167	36.20	4.64E+07	1.26 Y	1.01	0.98	-3.0%	
ES PCB-169	39.87	4.29E+07	1.24 Y	0.90	0.91	0.9%	
ES PCB-170	39.38	3.58E+07	1.03 Y	1.28	1.29	0.3%	
ES PCB-180	38.33	4.50E+07	1.02 Y	1.54	1.62	5.0%	
ES PCB-188	31.51	7.55E+07	1.01 Y	1.63	1.59	-2.0%	
ES PCB-189	42.00	5.63E+07	1.05 Y	1.97	2.02	2.7%	
ES PCB-202	36.01	5.83E+07	0.88 Y	1.26	1.23	-2.4%	
ES PCB-205	44.16	3.48E+07	0.91 Y	1.22	1.25	2.3%	
ES PCB-206	45.62	3.12E+07	0.77 Y	1.10	1.12	2.1%	
ES PCB-208	41.61	4.08E+07	0.77 Y	1.41	1.47	4.2%	
ES PCB-209	46.97	3.54E+07	1.15 Y	1.24	1.27	2.1%	

PCB QC Summary		SGS Analytical Perspectives			Printed: 14-Dec-2012 11:18		
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	19.56	8.69E+07	1.10 Y	1.18	1.20	1.6%	
SS PCB-111	29.15	5.17E+07	1.53 Y	1.01	0.97	-4.0%	
SS PCB-178	34.06	4.56E+07	1.03 Y	0.60	0.60	0.2%	
CS PCB-28	19.56	8.69E+07	1.10 Y	1.52	1.53	0.4%	
CS PCB-111	29.15	5.17E+07	1.53 Y	1.15	1.10	-4.0%	
CS PCB-178	34.06	4.56E+07	1.03 Y	0.98	0.96	-1.8%	
JS PCB-9	13.64	1.05E+08	1.62 Y	-	-	-	
JS PCB-52	21.11	5.68E+07	0.77 Y	-	-	-	
JS PCB-101	26.89	4.69E+07	1.53 Y	-	-	-	
JS PCB-138	33.67	4.74E+07	1.27 Y	-	-	-	
JS PCB-194	43.76	2.78E+07	0.94 Y	-	-	-	
PCB-1 2-MoCB	9.82	2.33E+09	3.09 Y	1.25	1.25	0.5%	
PCB-3 4-MoCB	11.73	2.28E+09	3.09 Y	1.27	1.28	0.9%	
PCB-4 22'-DiCB	11.94	1.27E+09	1.56 Y	0.90	0.91	1.3%	
PCB-15 44'-DiCB	17.00	2.56E+09	1.54 Y	1.10	1.06	-2.9%	
PCB-19 22'6'-TrCB	14.62	1.09E+09	1.03 Y	0.95	0.95	0.7%	
PCB-37 344'-TrCB	22.95	2.04E+09	1.05 Y	1.39	1.40	1.1%	
PCB-54 22'66'-TeCB	17.24	1.71E+09	0.80 Y	1.05	1.10	5.0%	
PCB-104 22'466'-PeCB	21.93	1.73E+09	0.63 Y	1.12	1.16	3.9%	
PCB-153/168 ...-HxCB	32.68	2.56E+09	1.23 Y	1.24	1.24	0.2%	
PCB-155 22'44'66'-HxCB	26.73	1.50E+09	1.23 Y	1.09	1.06	-2.6%	
PCB-170 22'33'44'5'-HpCB	39.39	7.22E+08	1.03 Y	0.99	1.01	1.4%	
PCB-180/193 ...-HpCB	38.32	1.88E+09	1.03 Y	1.07	1.04	-2.4%	
PCB-188 22'34'566'-HpCB	31.53	1.49E+09	1.03 Y	0.98	0.99	0.3%	
PCB-202 22'33'55'66'-OcCB	36.03	9.88E+08	0.89 Y	0.86	0.85	-2.1%	
PCB-205 233'44'55'6'-OcCB	44.18	8.01E+08	0.90 Y	1.13	1.15	1.5%	
PCB-208 22'33'455'66'-NoCB	41.63	8.35E+08	0.77 Y	1.03	1.02	-1.1%	
PCB-206 22'33'44'55'6'-NoCB	45.64	6.07E+08	0.77 Y	0.97	0.97	0.1%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-1 2-MoCB	9.82	2.33E+09	3.09 Y	1.25	1.25	0.5%	
PCB-2 3-MoCB	11.57	2.30E+09	3.10 Y	1.28	1.29	0.6%	
PCB-3 4-MoCB	11.73	2.28E+09	3.09 Y	1.27	1.28	0.9%	
PCB-4 22'-DiCB	11.94	1.27E+09	1.56 Y	0.90	0.91	1.3%	
PCB-10 26'-DiCB	12.09	1.99E+09	1.55 Y	1.38	1.42	3.3%	
PCB-9 25'-DiCB	13.66	2.17E+09	1.55 Y	0.99	0.90	-8.9%	
PCB-7 24'-DiCB	13.80	2.49E+09	1.55 Y	1.10	1.04	-5.9%	
PCB-6 23'-DiCB	14.00	2.30E+09	1.55 Y	1.04	0.96	-8.1%	
PCB-5 23'-DiCB	14.26	2.36E+09	1.56 Y	1.02	0.98	-4.3%	
PCB-8 24'-DiCB	14.37	2.39E+09	1.55 Y	1.03	0.99	-3.7%	
PCB-14 35'-DiCB	15.77	2.70E+09	1.55 Y	1.20	1.12	-6.3%	
PCB-11 33'-DiCB	16.47	2.20E+09	1.56 Y	1.03	0.92	-10.9%	
PCB-13/12 34'/34'-DiCB	16.74	5.07E+09	1.55 Y	1.03	1.05	2.0%	
PCB-15 44'-DiCB	17.00	2.56E+09	1.54 Y	1.10	1.06	-2.9%	
PCB-19 22'6'-TrCB	14.62	1.09E+09	1.03 Y	0.95	0.95	0.7%	
PCB-30/18 246/22'5'-TrCB	16.21	3.09E+09	1.03 Y	1.23	1.35	9.4%	
PCB-17 22'4'-TrCB	16.58	1.21E+09	1.03 Y	1.05	1.05	0.1%	
PCB-27 23'6'-TrCB	16.76	1.85E+09	1.04 Y	1.46	1.62	10.5%	
PCB-24 236'-TrCB	16.87	1.61E+09	1.03 Y	1.32	1.41	6.5%	
PCB-16 22'3'-TrCB	16.96	9.96E+08	1.05 Y	0.81	0.87	7.6%	
PCB-32 24'6'-TrCB	17.40	1.74E+09	1.03 Y	1.48	1.52	3.0%	
PCB-34 23'5'-TrCB	18.48	2.15E+09	1.06 Y	1.46	1.48	1.0%	
PCB-23 235'-TrCB	18.61	2.17E+09	1.05 Y	1.50	1.49	-0.6%	
PCB-26/29 23'5'/245'-TrCB	18.88	4.54E+09	1.05 Y	1.53	1.56	2.2%	
PCB-25 23'4'-TrCB	19.07	2.34E+09	1.05 Y	1.53	1.61	4.9%	
PCB-31 24'5'-TrCB	19.33	2.30E+09	1.05 Y	1.55	1.58	1.9%	
PCB-28/20 244'/233'-TrCB	19.59	4.56E+09	1.04 Y	1.51	1.57	4.1%	
PCB-21/33 234/23'4'-TrCB	19.75	4.69E+09	1.06 Y	1.55	1.61	4.4%	
PCB-22 234'-TrCB	20.10	2.06E+09	1.05 Y	1.40	1.42	1.5%	
PCB-36 33'5'-TrCB	21.44	2.19E+09	1.06 Y	1.52	1.51	-0.6%	
PCB-39 34'5'-TrCB	21.74	2.32E+09	1.05 Y	1.58	1.59	0.7%	
PCB-38 345'-TrCB	22.23	2.28E+09	1.05 Y	1.47	1.57	6.7%	
PCB-35 33'4'-TrCB	22.61	1.96E+09	1.05 Y	1.33	1.35	1.4%	
PCB-37 344'-TrCB	22.95	2.04E+09	1.05 Y	1.39	1.40	1.1%	
PCB-54 22'66'-TeCB	17.24	1.71E+09	0.80 Y	1.05	1.10	5.0%	
PCB-50/53 22'46'/22'56'-TeCB	19.11	2.43E+09	0.77 Y	0.88	0.89	2.0%	
PCB-45 22'36'-TeCB	19.65	1.03E+09	0.76 Y	0.73	0.76	2.9%	
PCB-51 22'46'-TeCB	19.72	1.29E+09	0.77 Y	0.94	0.95	0.9%	
PCB-46 22'36'-TeCB	19.91	9.44E+08	0.77 Y	0.72	0.69	-3.2%	
PCB-52 22'55'-TeCB	21.13	1.13E+09	0.77 Y	0.82	0.83	0.6%	
PCB-73 23'5'6'-TeCB	21.25	1.42E+09	0.77 Y	1.10	1.05	-4.8%	
PCB-43 22'35'-TeCB	21.33	9.63E+08	0.77 Y	0.70	0.71	0.5%	
PCB-69/49 23'46'/22'45'-TeCB	21.52	2.79E+09	0.77 Y	1.01	1.03	1.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-48 22'45'-TeCB	21.78	1.15E+09	0.77 Y	0.84	0.85	0.4%	
PCB-44/47/65 ...-TeCB	21.99	3.82E+09	0.77 Y	0.90	0.94	3.9%	
PCB-59/62/75 ...-TeCB	22.25	4.99E+09	0.77 Y	1.15	1.22	5.9%	
PCB-42 22'34'-TeCB	22.40	1.01E+09	0.77 Y	0.76	0.74	-2.5%	
PCB-41 22'34'-TeCB	22.72	9.40E+08	0.77 Y	0.64	0.69	7.9%	
PCB-71/40 23'4'6/22'33'-TeCB	22.82	2.34E+09	0.77 Y	0.83	0.86	3.2%	
PCB-64 23'4'6'-TeCB	23.01	1.60E+09	0.77 Y	1.17	1.18	0.5%	
PCB-72 23'55'-TeCB	23.73	1.87E+09	0.78 Y	1.37	1.38	0.6%	
PCB-68 23'45'-TeCB	23.97	1.95E+09	0.78 Y	1.52	1.44	-5.3%	
PCB-57 23'3'5'-TeCB	24.32	1.74E+09	0.78 Y	1.32	1.28	-3.2%	
PCB-58 23'3'5'-TeCB	24.52	1.78E+09	0.78 Y	1.34	1.31	-2.3%	
PCB-67 23'45'-TeCB	24.67	1.94E+09	0.77 Y	1.41	1.43	1.0%	
PCB-63 23'4'5'-TeCB	24.89	1.93E+09	0.78 Y	1.46	1.42	-2.4%	
PCB-61/70/74/76 ...-TeCB	25.16	7.48E+09	0.78 Y	1.37	1.38	0.8%	
PCB-66 23'44'-TeCB	25.44	1.65E+09	0.77 Y	1.24	1.21	-2.2%	
PCB-55 23'3'4'-TeCB	25.57	1.70E+09	0.78 Y	1.28	1.25	-2.2%	
PCB-56 23'3'4'-TeCB	25.99	1.59E+09	0.78 Y	1.23	1.17	-4.7%	
PCB-60 23'44'-TeCB	26.17	1.73E+09	0.77 Y	1.30	1.27	-2.0%	
PCB-80 33'55'-TeCB	26.54	1.91E+09	0.78 Y	1.44	1.40	-2.2%	
PCB-79 33'45'-TeCB	27.82	2.08E+09	0.78 Y	1.48	1.53	3.8%	
PCB-78 33'45'-TeCB	28.27	1.55E+09	0.77 Y	1.21	1.14	-5.5%	
PCB-104 22'466'-PeCB	21.93	1.73E+09	0.63 Y	1.12	1.16	3.9%	
PCB-96 22'366'-PeCB	22.23	1.58E+09	0.64 Y	0.96	1.06	9.7%	
PCB-103 22'45'6'-PeCB	23.88	9.25E+08	0.62 Y	0.93	0.86	-7.3%	
PCB-94 22'356'-PeCB	24.06	8.08E+08	0.62 Y	0.81	0.76	-6.6%	
PCB-95 22'35'6'-PeCB	24.42	8.46E+08	0.63 Y	0.85	0.79	-7.0%	
PCB-100/93 22'44'6/22'356'-PeCB	24.63	1.84E+09	0.62 Y	0.88	0.86	-2.9%	
PCB-102 22'456'-PeCB	24.74	9.16E+08	0.62 Y	0.93	0.86	-8.1%	
PCB-98 22'34'6'-PeCB	24.80	8.08E+08	0.63 Y	0.84	0.75	-10.0%	
PCB-88 22'346'-PeCB	25.08	7.63E+08	0.62 Y	0.77	0.71	-7.7%	
PCB-91 22'34'6'-PeCB	25.15	1.08E+09	0.64 Y	0.96	1.01	4.7%	
PCB-84 22'33'6'-PeCB	25.33	7.16E+08	0.63 Y	0.72	0.67	-7.2%	
PCB-89 22'346'-PeCB	25.73	7.52E+08	0.63 Y	0.77	0.70	-9.0%	
PCB-121 23'45'6'-PeCB	26.11	1.17E+09	0.63 Y	1.15	1.09	-4.9%	
PCB-92 22'355'-PeCB	26.42	7.96E+08	0.63 Y	0.79	0.74	-6.2%	
PCB-113/90/101 ...-PeCB	26.89	2.96E+09	0.63 Y	0.95	0.92	-3.6%	
PCB-83 22'33'5'-PeCB	27.30	7.05E+08	0.62 Y	0.72	0.66	-8.5%	
PCB-99 22'44'5'-PeCB	27.40	9.27E+08	0.62 Y	0.90	0.87	-3.4%	
PCB-112 23'3'56'-PeCB	27.49	1.05E+09	0.63 Y	1.09	0.98	-10.0%	
PCB-109/119/86/97/125...-PeCB	27.83	6.05E+09	0.63 Y	0.95	0.94	-0.6%	
PCB-117 23'4'56'-PeCB	28.35	9.88E+08	0.62 Y	0.99	0.92	-6.8%	
PCB-116/85 23'456/22'344'-PeCB	28.42	2.02E+09	0.63 Y	0.96	0.94	-1.8%	
PCB-110 23'3'4'6'-PeCB	28.55	9.80E+08	0.63 Y	1.01	0.92	-9.2%	

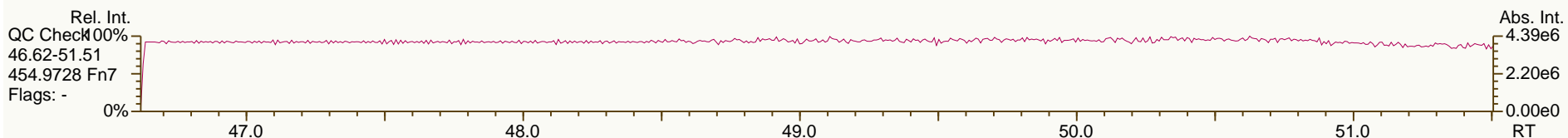
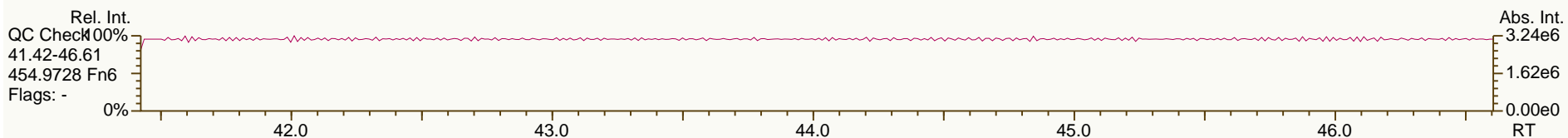
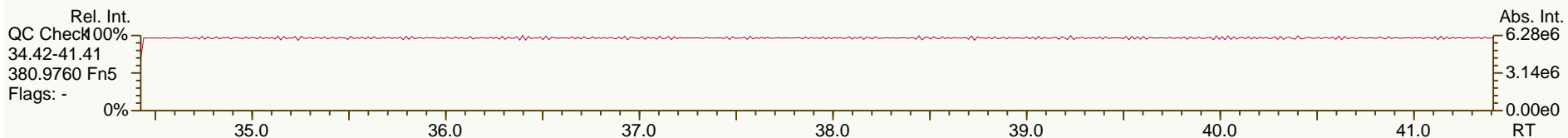
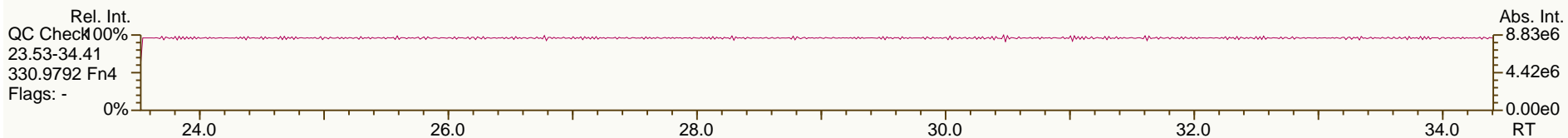
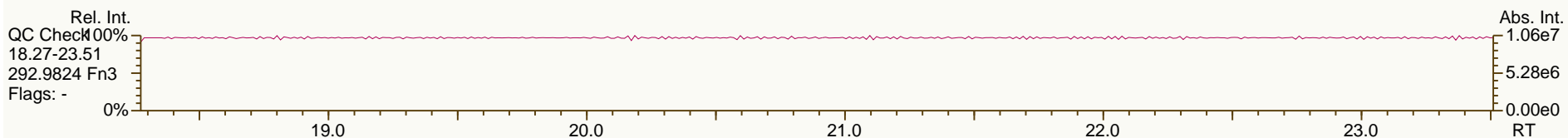
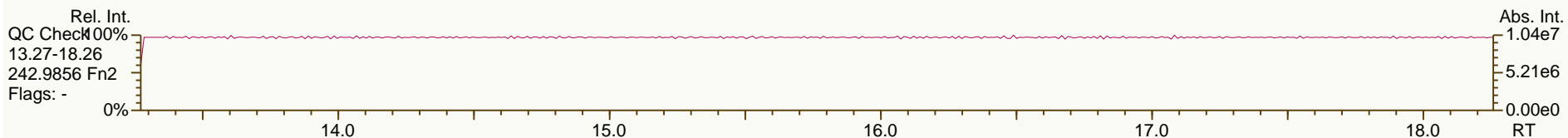
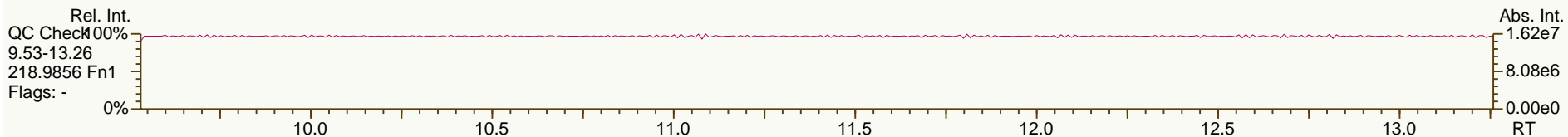
PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA	ICAL: MM6_PCB_07132012_14DEC12					
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-115 2344'6'-PeCB	28.63	1.16E+09	0.63 Y	1.15	1.08	-5.9%	
PCB-82 22'33'4'-PeCB	28.81	6.88E+08	0.63 Y	0.70	0.64	-8.0%	
PCB-111 233'55'-PeCB	29.18	1.20E+09	0.62 Y	1.16	1.12	-3.5%	
PCB-120 23'455'-PeCB	29.56	1.16E+09	0.62 Y	1.14	1.08	-4.6%	
PCB-108/124 ...-PeCB	30.50	2.15E+09	0.62 Y	1.02	1.01	-1.2%	
PCB-107 233'4'5'-PeCB	30.70	1.17E+09	0.62 Y	1.13	1.09	-3.9%	
PCB-106 233'45'-PeCB	30.90	1.07E+09	0.63 Y	1.01	1.00	-1.1%	
PCB-122 233'4'5'-PeCB	31.35	9.35E+08	0.63 Y	0.91	0.91	-0.2%	
PCB-127 33'455'-PeCB	33.30	1.05E+09	0.63 Y	1.06	1.08	2.4%	
PCB-155 22'44'66'-HxCB	26.73	1.50E+09	1.23 Y	1.09	1.06	-2.6%	
PCB-152 22'3566'-HxCB	26.87	1.53E+09	1.23 Y	1.04	1.08	3.9%	
PCB-150 22'34'66'-HxCB	27.02	1.42E+09	1.24 Y	1.03	1.00	-2.7%	
PCB-136 22'33'66'-HxCB	27.30	1.39E+09	1.24 Y	0.97	0.98	0.6%	
PCB-145 22'3466'-HxCB	27.57	1.35E+09	1.24 Y	0.96	0.95	-1.0%	
PCB-148 22'34'56'-HxCB	28.85	1.04E+09	1.23 Y	1.03	1.01	-2.3%	
PCB-151/135 ...-HxCB	29.35	2.01E+09	1.24 Y	0.99	0.97	-1.9%	
PCB-154 22'44'56'-HxCB	29.57	1.19E+09	1.23 Y	1.17	1.15	-2.1%	
PCB-144 22'345'6'-HxCB	29.81	1.01E+09	1.24 Y	1.03	0.97	-5.2%	
PCB-147/149 ...-HxCB	30.11	2.12E+09	1.24 Y	1.02	1.03	0.9%	
PCB-134 22'33'56'-HxCB	30.27	8.33E+08	1.23 Y	0.80	0.81	0.8%	
PCB-143 22'3456'-HxCB	30.35	9.55E+08	1.24 Y	0.95	0.92	-2.5%	
PCB-139/140 ...-HxCB	30.62	2.19E+09	1.23 Y	1.05	1.06	1.0%	
PCB-131 22'33'46'-HxCB	30.78	9.56E+08	1.23 Y	0.90	0.93	3.4%	
PCB-142 22'3456'-HxCB	30.91	9.53E+08	1.23 Y	0.93	0.92	-0.4%	
PCB-132 22'33'46'-HxCB	31.15	9.14E+08	1.25 Y	0.93	0.88	-4.8%	
PCB-133 22'33'55'-HxCB	31.60	9.78E+08	1.24 Y	0.97	0.95	-2.2%	
PCB-165 233'55'6'-HxCB	31.93	1.14E+09	1.24 Y	1.16	1.10	-5.2%	
PCB-146 22'34'55'-HxCB	32.14	1.00E+09	1.24 Y	1.01	0.97	-3.7%	
PCB-161 233'45'6'-HxCB	32.25	1.39E+09	1.25 Y	1.29	1.35	4.2%	
PCB-153/168 ...-HxCB	32.68	2.56E+09	1.23 Y	1.24	1.24	0.2%	
PCB-141 22'3455'-HxCB	32.81	9.43E+08	1.24 Y	0.95	0.91	-3.6%	
PCB-130 22'33'45'-HxCB	33.15	8.32E+08	1.24 Y	0.82	0.81	-2.0%	
PCB-137 22'344'5'-HxCB	33.34	1.03E+09	1.21 Y	0.97	1.00	2.9%	
PCB-164 233'4'5'6'-HxCB	33.43	1.31E+09	1.24 Y	1.25	1.27	1.4%	
PCB-163/138/129 ...-HxCB	33.71	3.28E+09	1.23 Y	1.04	1.06	1.4%	
PCB-160 233'456'-HxCB	33.83	1.26E+09	1.24 Y	1.19	1.22	2.7%	
PCB-158 233'44'6'-HxCB	34.02	1.37E+09	1.22 Y	1.34	1.32	-1.1%	
PCB-128/166 ...-HxCB	34.73	1.82E+09	1.25 Y	0.96	0.98	2.1%	
PCB-159 233'455'-HxCB	35.58	1.06E+09	1.26 Y	1.12	1.14	1.7%	
PCB-162 233'4'55'-HxCB	35.82	1.04E+09	1.24 Y	1.13	1.12	-0.9%	
PCB-188 22'34'566'-HpCB	31.53	1.49E+09	1.03 Y	0.98	0.99	0.3%	
PCB-179 22'33'566'-HpCB	31.79	1.27E+09	1.03 Y	0.90	0.84	-6.0%	
PCB-184 22'344'66'-HpCB	32.26	1.34E+09	1.02 Y	0.86	0.89	2.7%	

PCB QC Summary - Ax2 Detail				Printed: 14-Dec-2012 11:18			
Lab ID:	CS5_121214_PCB_VA			ICAL: MM6_PCB_07132012_14DEC12			
Acquired:	14-DEC-2012 06:57						
Datafile:	121214V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-176 22'33'466'-HpCB	32.53	1.40E+09	1.02 Y	0.97	0.93	-4.6%	
PCB-186 22'34566'-HpCB	32.91	1.32E+09	1.03 Y	0.93	0.87	-5.5%	
PCB-178 22'33'55'6'-HpCB	34.08	1.00E+09	1.03 Y	0.66	0.66	0.1%	
PCB-175 22'33'45'6'-HpCB	34.62	9.11E+08	1.04 Y	1.02	1.01	-1.2%	
PCB-187 22'34'55'6'-HpCB	34.84	8.94E+08	1.04 Y	1.03	0.99	-3.3%	
PCB-182 22'344'56'-HpCB	35.02	9.12E+08	1.04 Y	1.10	1.01	-7.5%	
PCB-183 22'344'5'6'-HpCB	35.36	8.79E+08	1.03 Y	1.12	0.98	-13.1%	
PCB-185 22'3455'6'-HpCB	35.43	9.69E+08	1.04 Y	0.97	1.08	11.3%	
PCB-174 22'33'456'-HpCB	35.54	7.83E+08	1.04 Y	0.90	0.87	-2.8%	
PCB-177 22'33'45'6'-HpCB	35.91	7.46E+08	1.04 Y	0.87	0.83	-4.9%	
PCB-181 22'344'56'-HpCB	36.25	9.09E+08	1.03 Y	1.03	1.01	-2.3%	
PCB-171/173 ...-HpCB	36.42	1.57E+09	1.04 Y	0.89	0.87	-1.7%	
PCB-172 22'33'455'-HpCB	37.81	7.53E+08	1.03 Y	0.87	0.84	-4.1%	
PCB-192 233'455'6'-HpCB	38.04	9.98E+08	1.04 Y	1.16	1.11	-4.5%	
PCB-180/193 ...-HpCB	38.32	1.88E+09	1.03 Y	1.07	1.04	-2.4%	
PCB-191 233'44'5'6'-HpCB	38.65	1.01E+09	1.04 Y	1.18	1.12	-5.3%	
PCB-170 22'33'44'5'-HpCB	39.39	7.22E+08	1.03 Y	0.99	1.01	1.4%	
PCB-190 233'44'56'-HpCB	39.84	1.02E+09	1.03 Y	1.36	1.42	4.8%	
PCB-202 22'33'55'66'-OcCB	36.03	9.88E+08	0.89 Y	0.86	0.85	-2.1%	
PCB-201 22'33'45'66'-OcCB	36.80	1.11E+09	0.89 Y	0.95	0.95	0.0%	
PCB-204 22'344'566'-OcCB	37.37	1.03E+09	0.89 Y	0.90	0.89	-1.9%	
PCB-197 22'33'44'66'-OcCB	37.56	1.16E+09	0.88 Y	0.96	1.00	3.6%	
PCB-200 22'33'4566'-OcCB	37.64	1.04E+09	0.90 Y	0.88	0.89	0.7%	
PCB-198/199 ...-OcCB	39.98	1.55E+09	0.89 Y	0.63	0.67	5.6%	
PCB-196 22'33'44'56'-OcCB	40.55	7.58E+08	0.88 Y	0.66	0.65	-1.8%	
PCB-203 22'344'55'6'-OcCB	40.71	8.03E+08	0.89 Y	0.69	0.69	-0.9%	
PCB-195 22'33'44'56'-OcCB	41.81	5.86E+08	0.91 Y	0.82	0.84	2.0%	
PCB-194 22'33'44'55'-OcCB	43.78	6.25E+08	0.90 Y	0.90	0.90	-0.5%	
PCB-205 233'44'55'6'-OcCB	44.18	8.01E+08	0.90 Y	1.13	1.15	1.5%	
PCB-208 22'33'455'66'-NoCB	41.63	8.35E+08	0.77 Y	1.03	1.02	-1.1%	
PCB-207 22'33'44'566'-NoCB	42.41	8.57E+08	0.77 Y	1.07	1.05	-1.8%	
PCB-206 22'33'44'55'6'-NoCB	45.64	6.07E+08	0.77 Y	0.97	0.97	0.1%	

SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

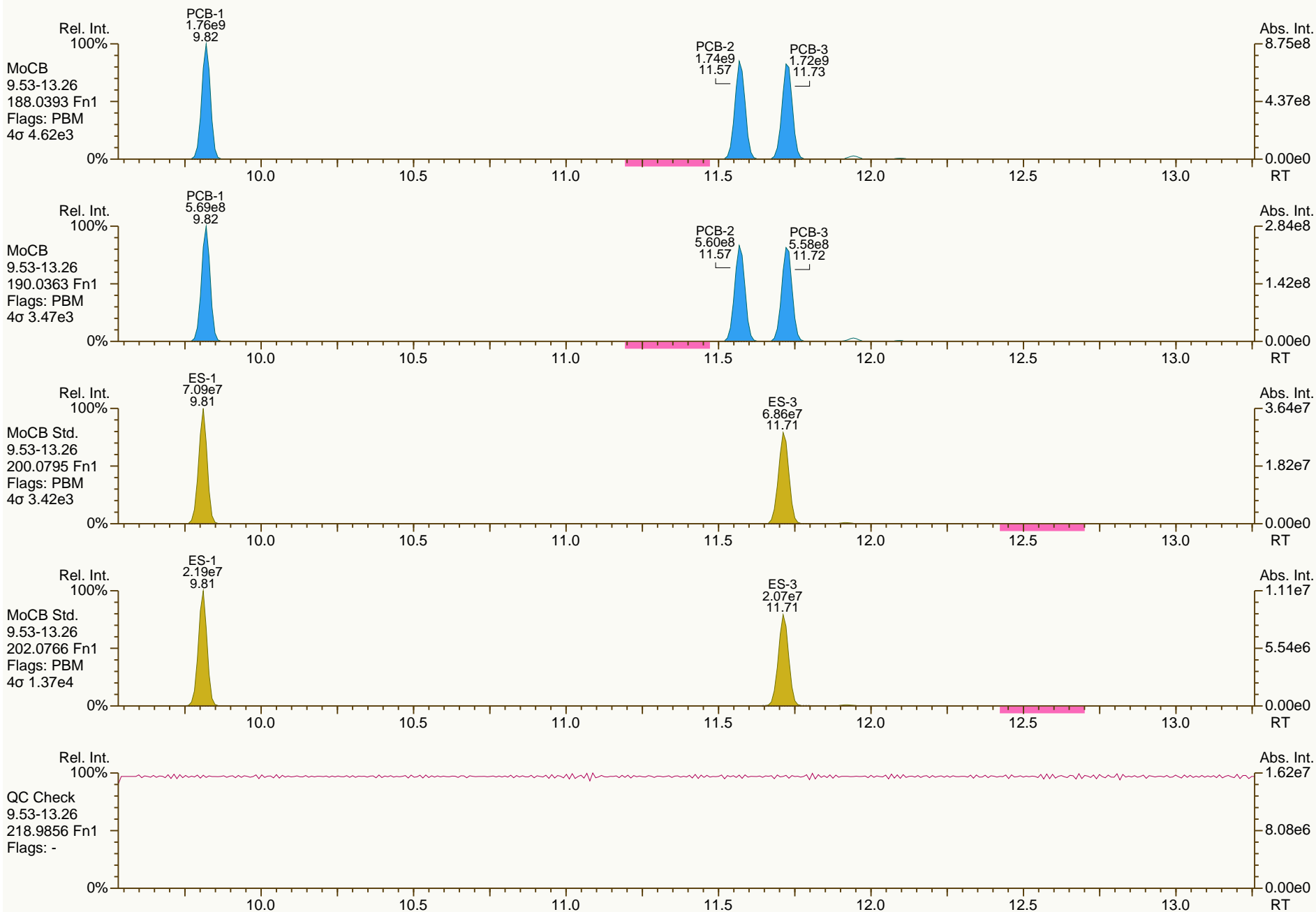
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SGS-AP ID: CS5_121214_PCB_VA
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Sample ID: SIL 12-65-1
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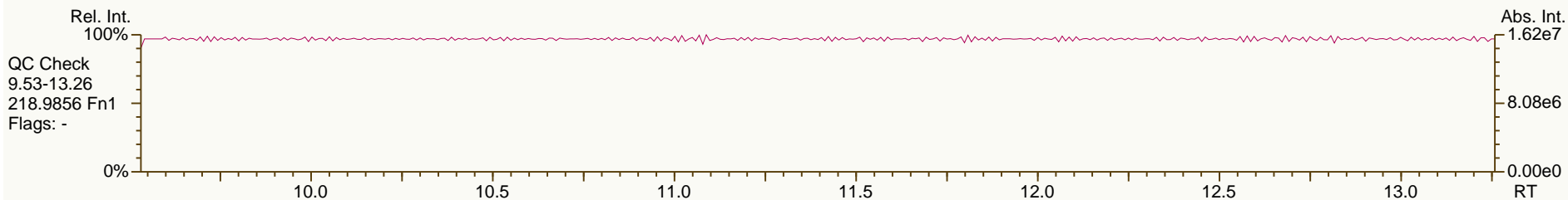
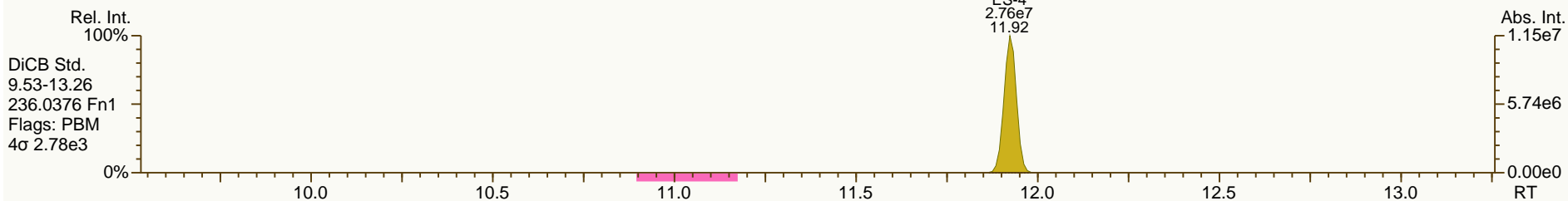
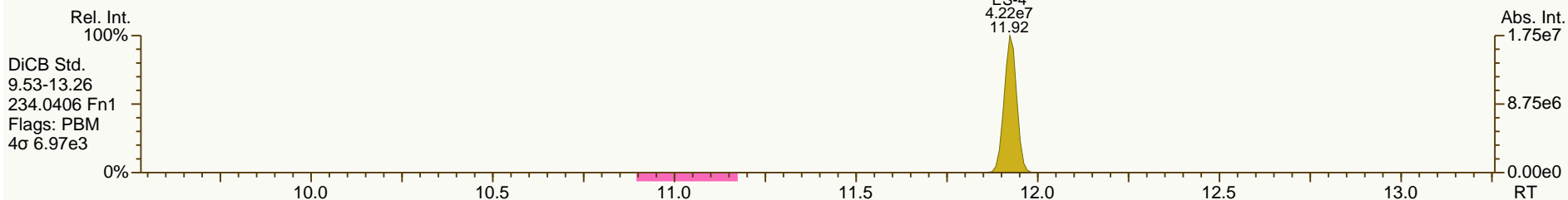
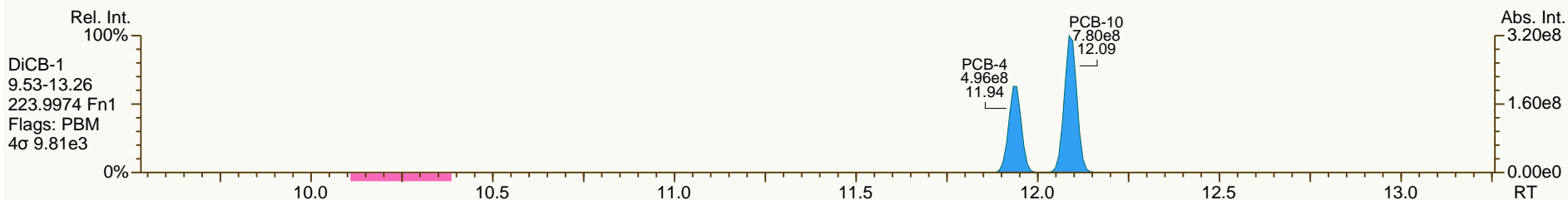
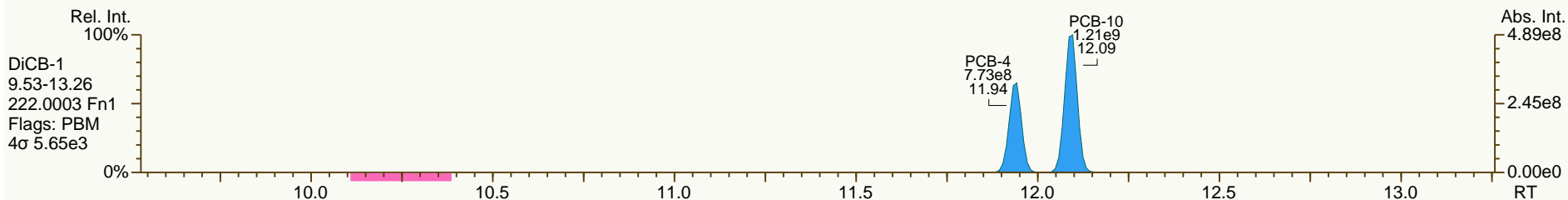
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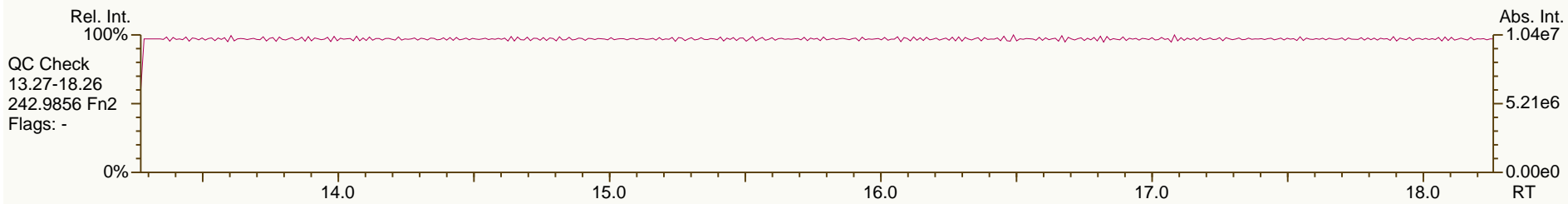
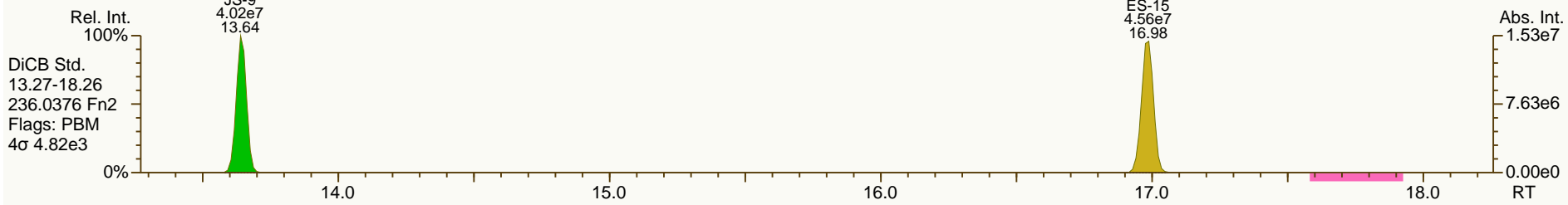
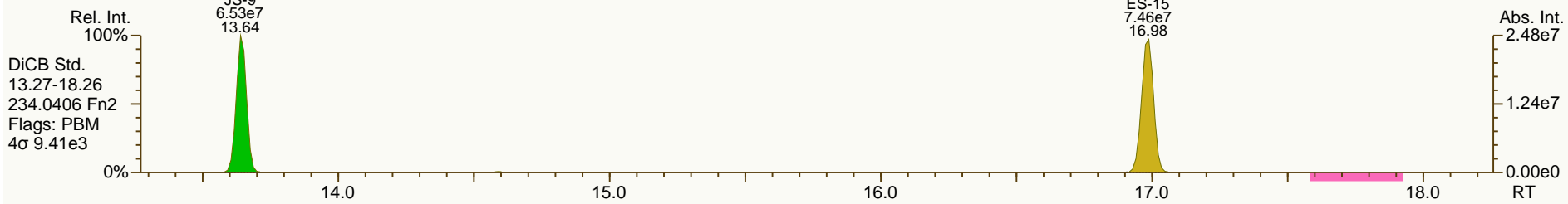
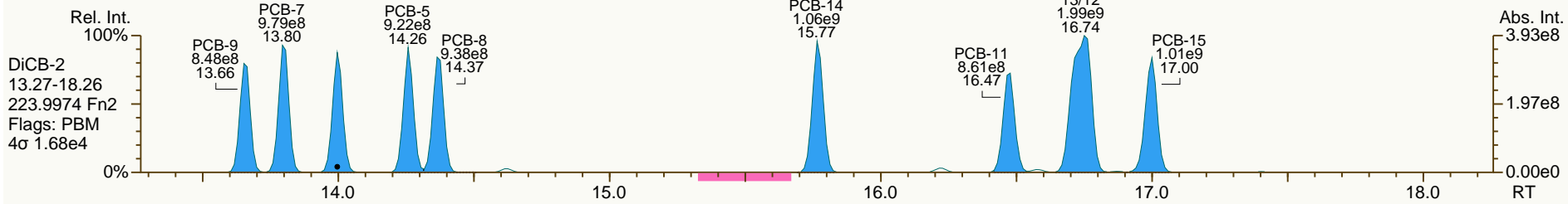
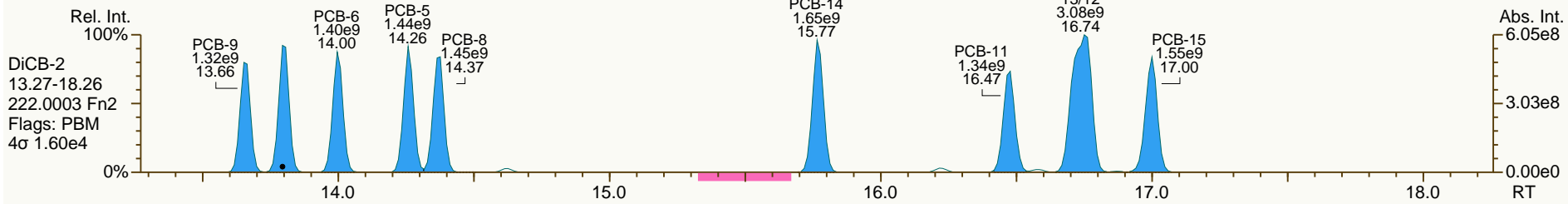
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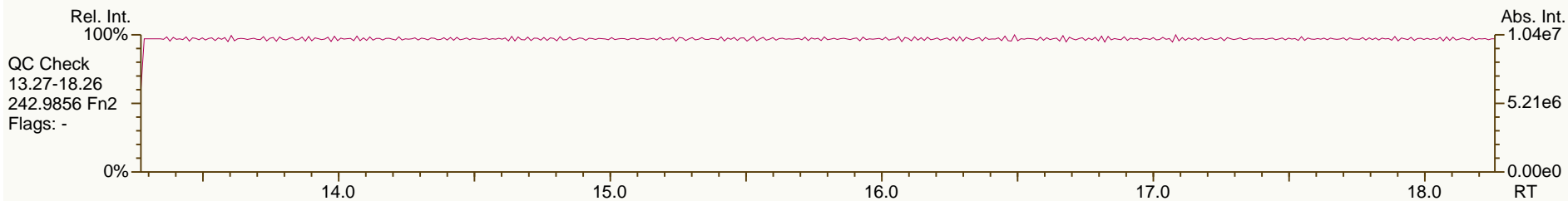
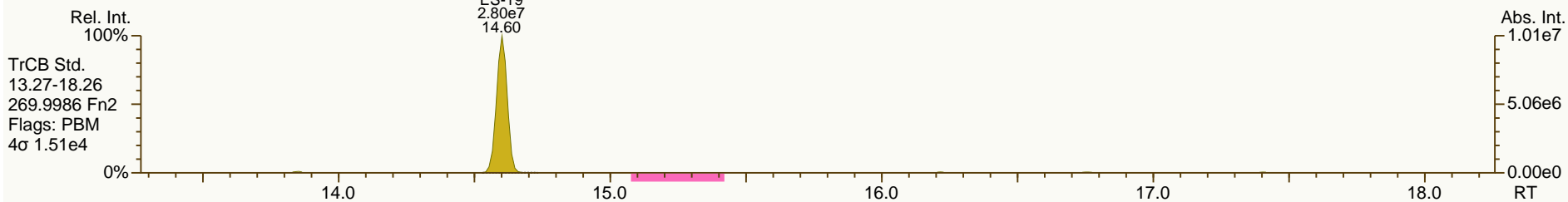
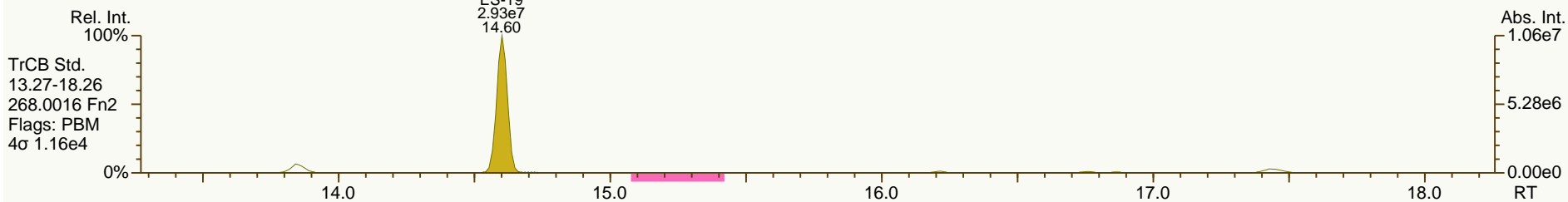
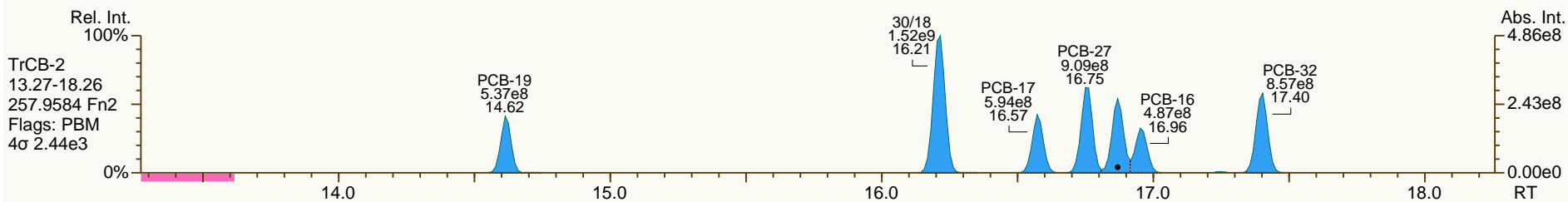
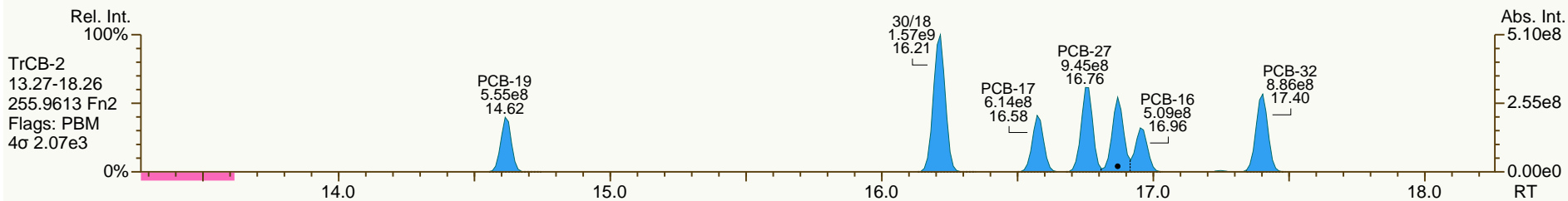
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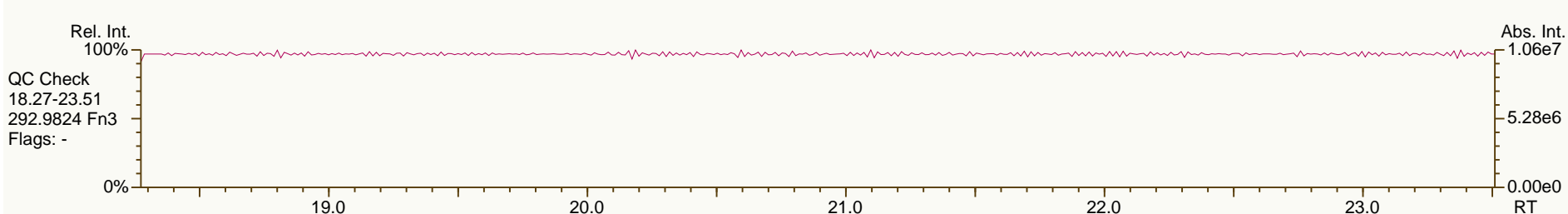
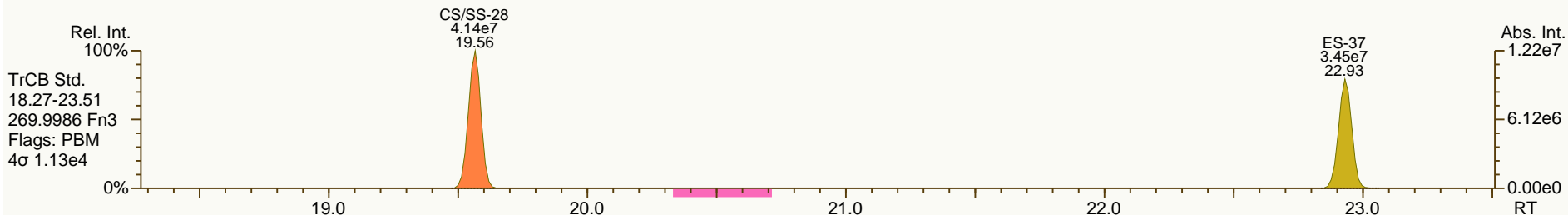
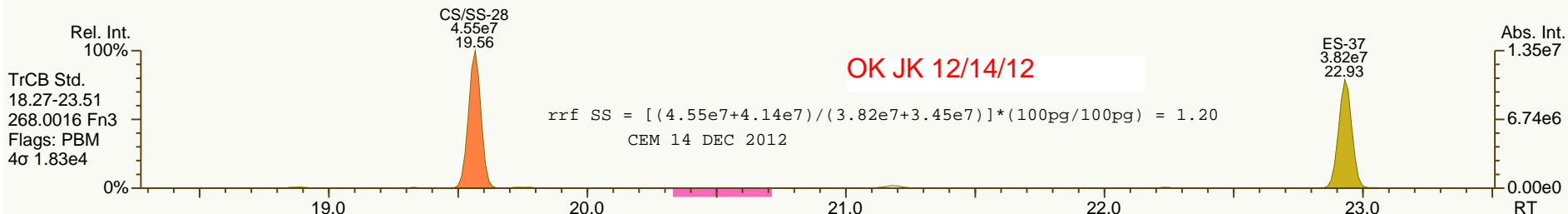
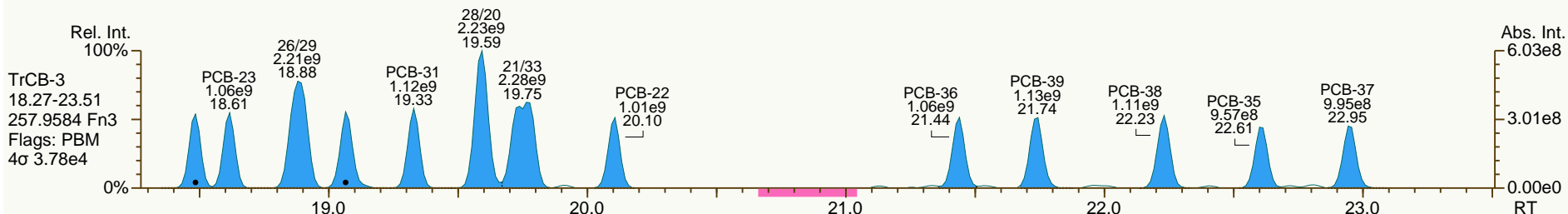
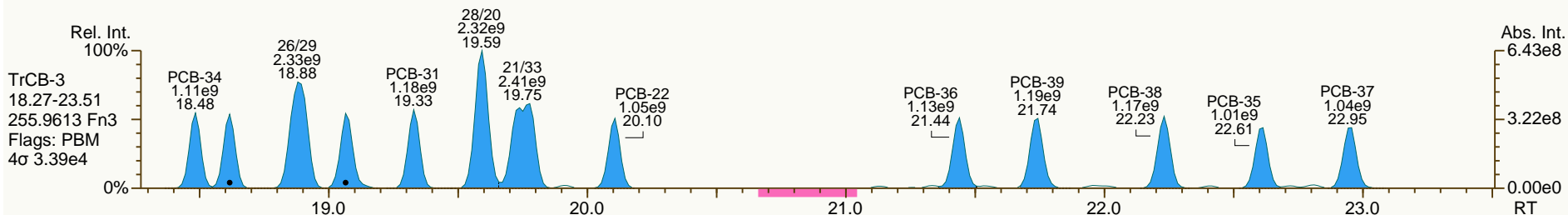
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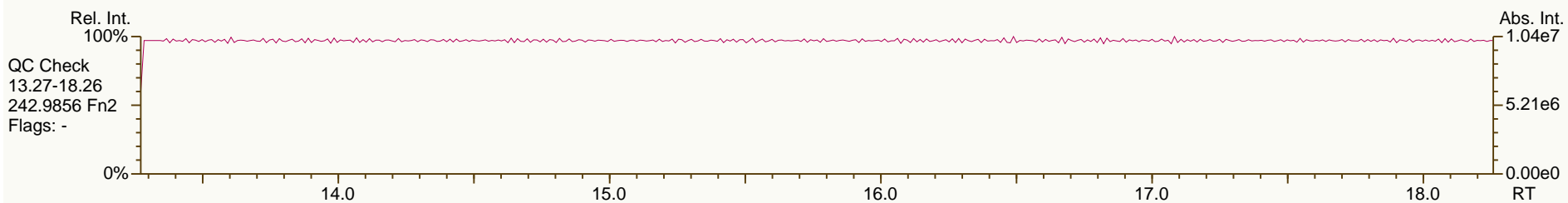
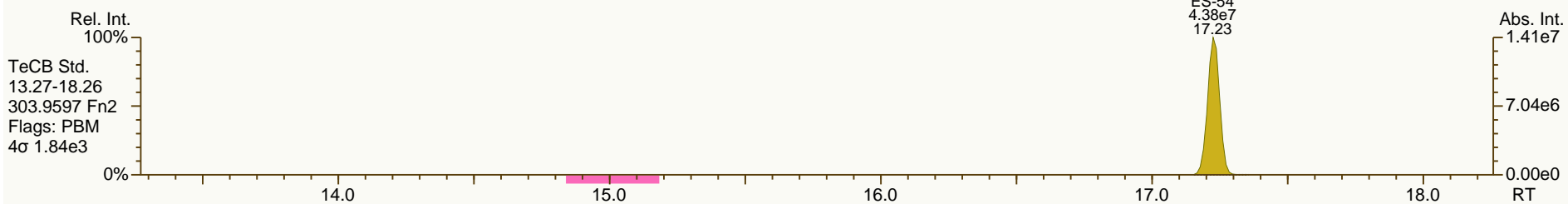
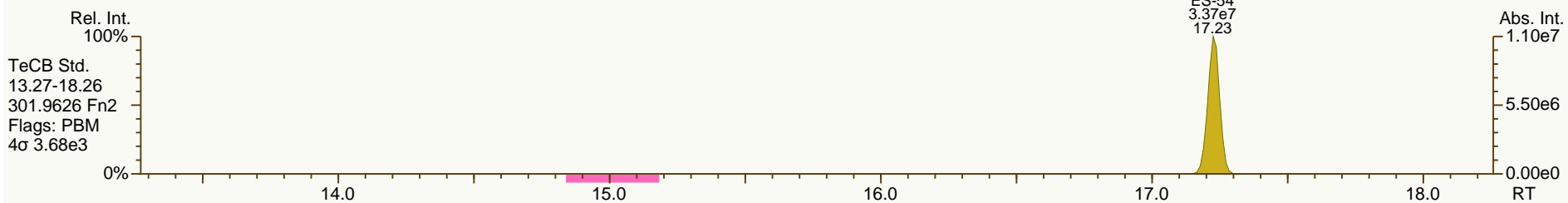
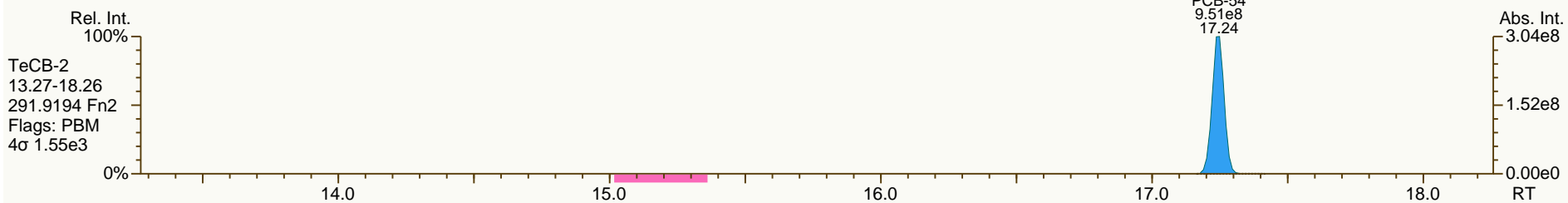
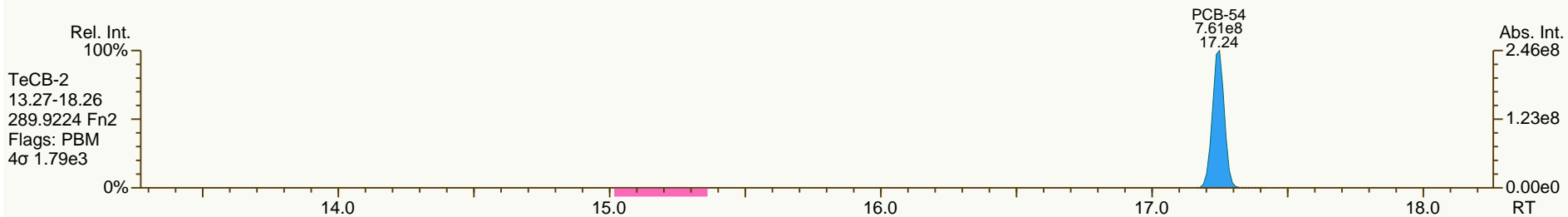
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Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

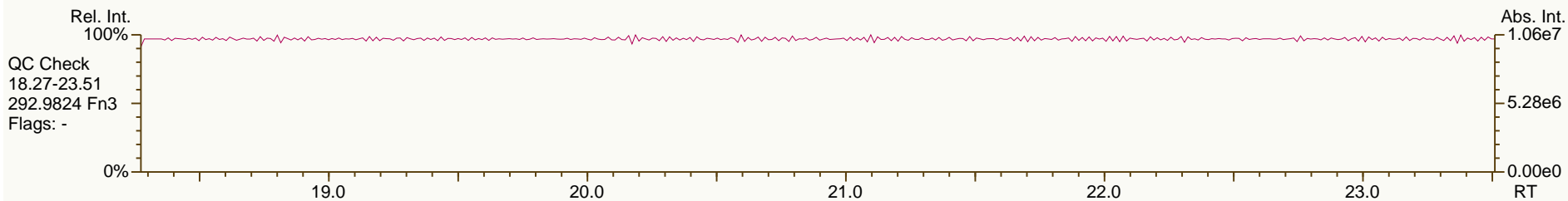
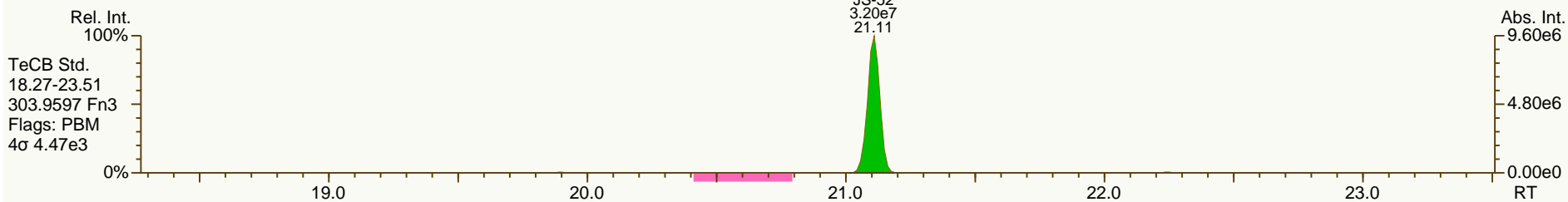
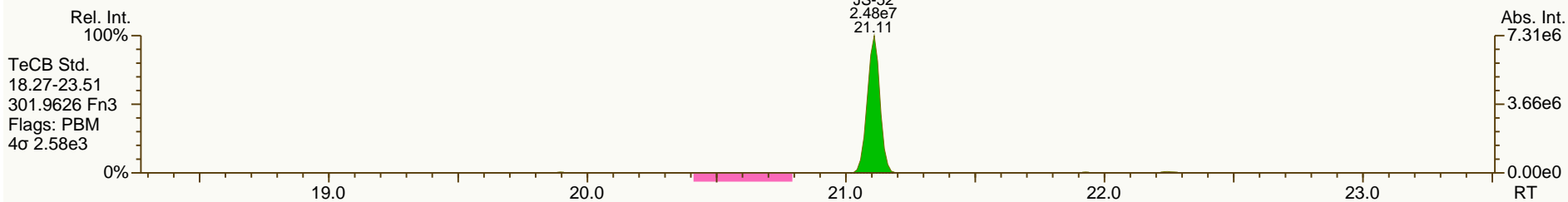
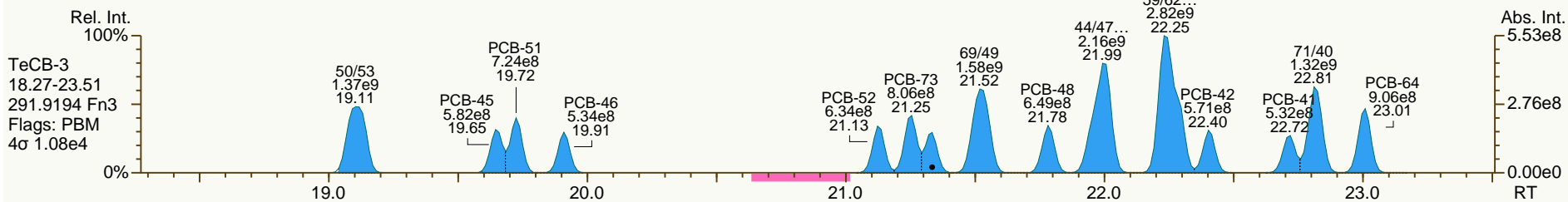
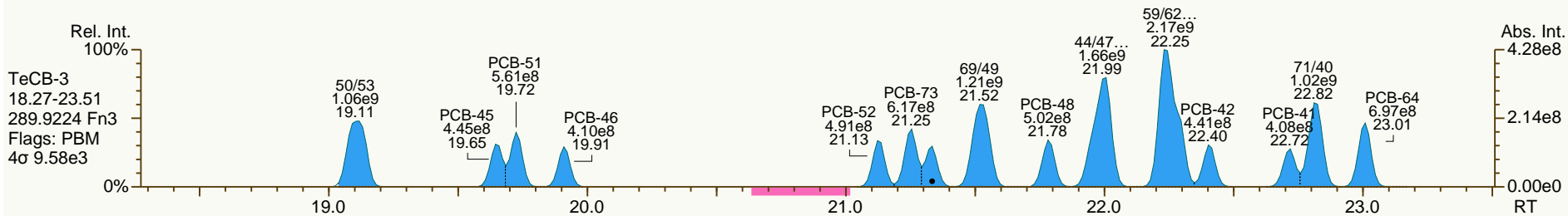
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VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

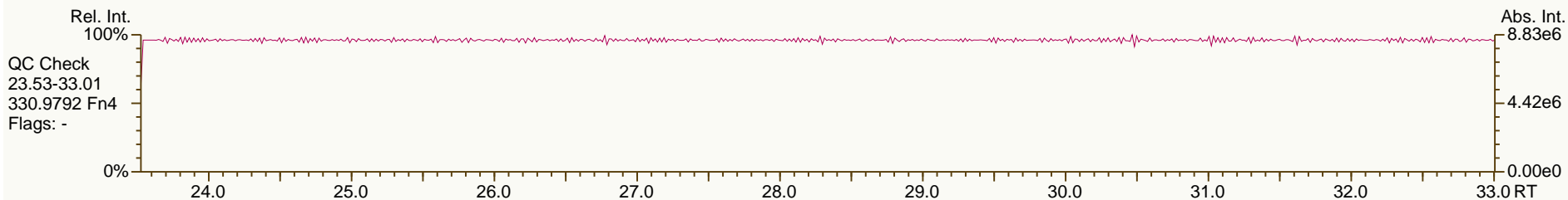
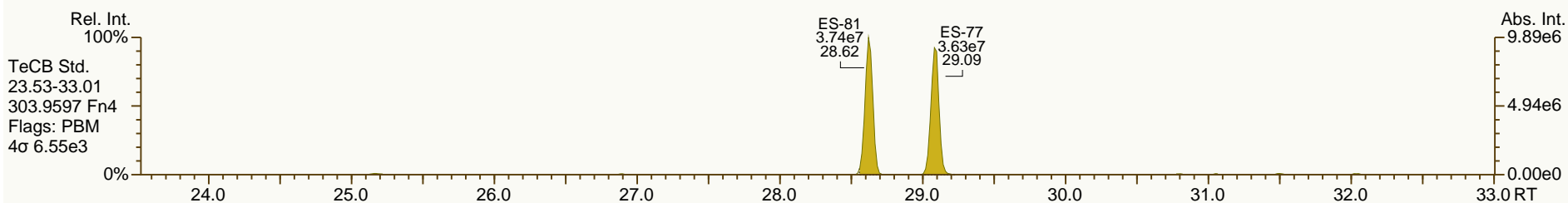
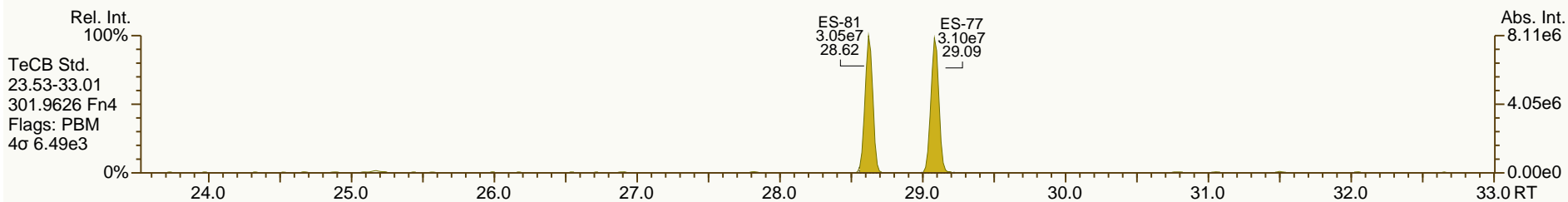
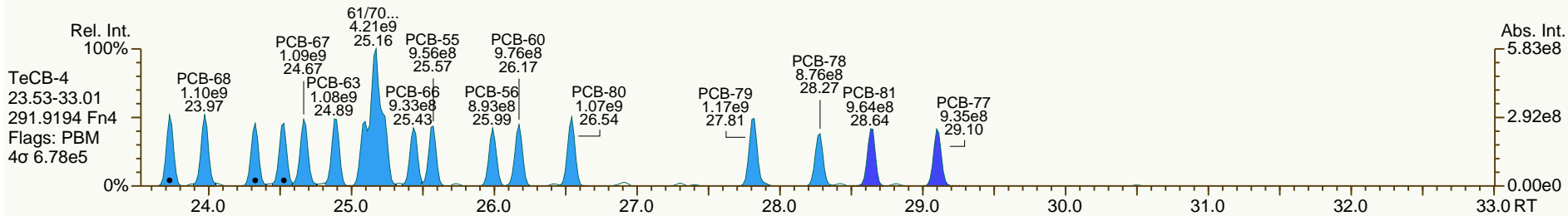
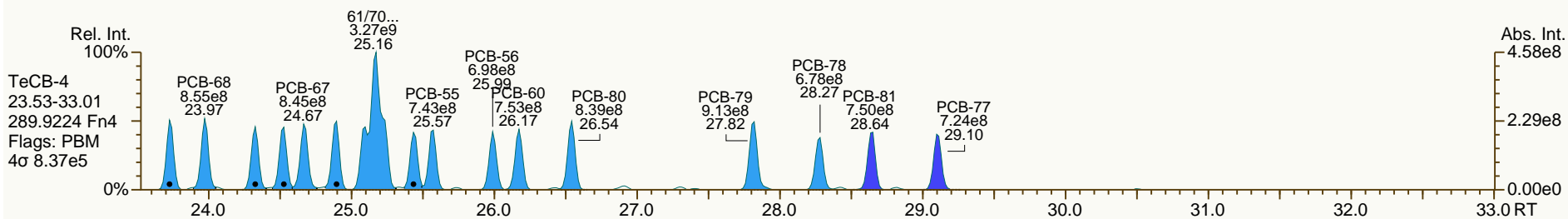
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Sample ID: SIL 12-65-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

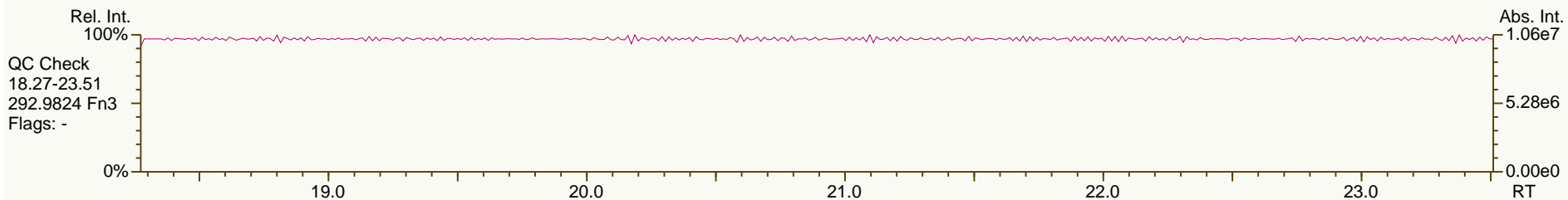
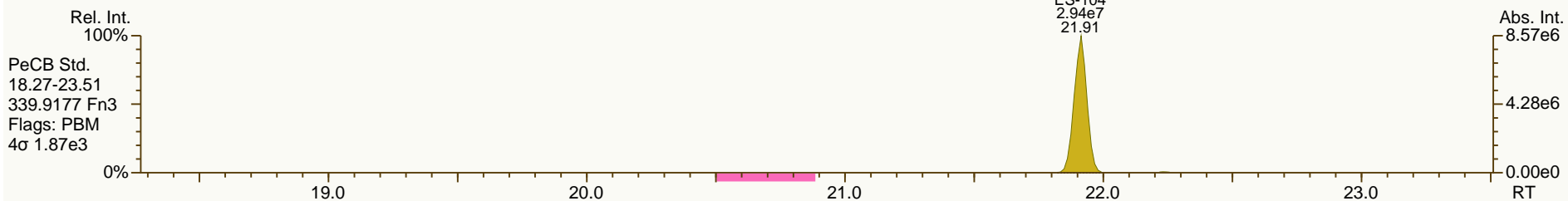
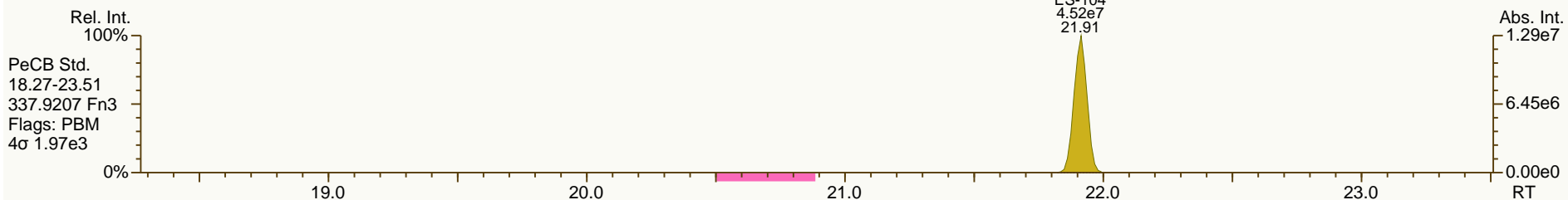
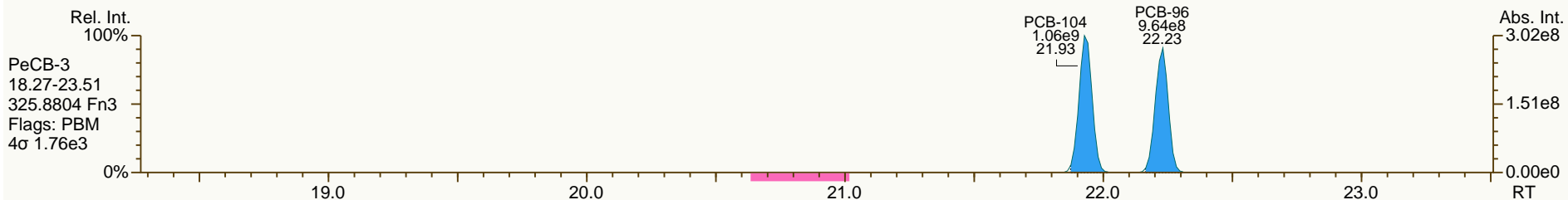
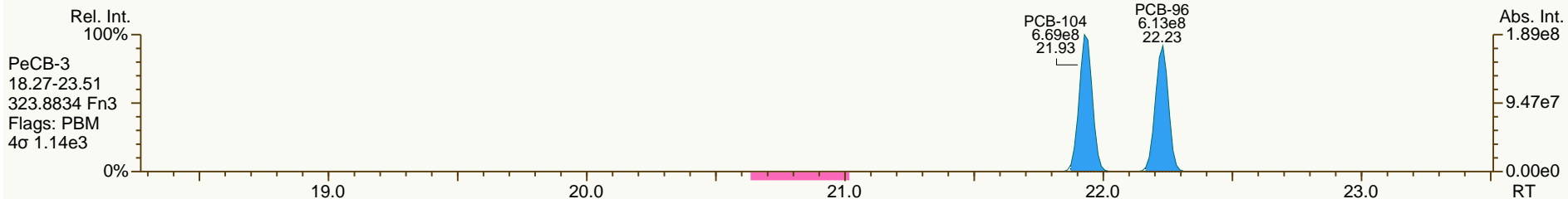
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

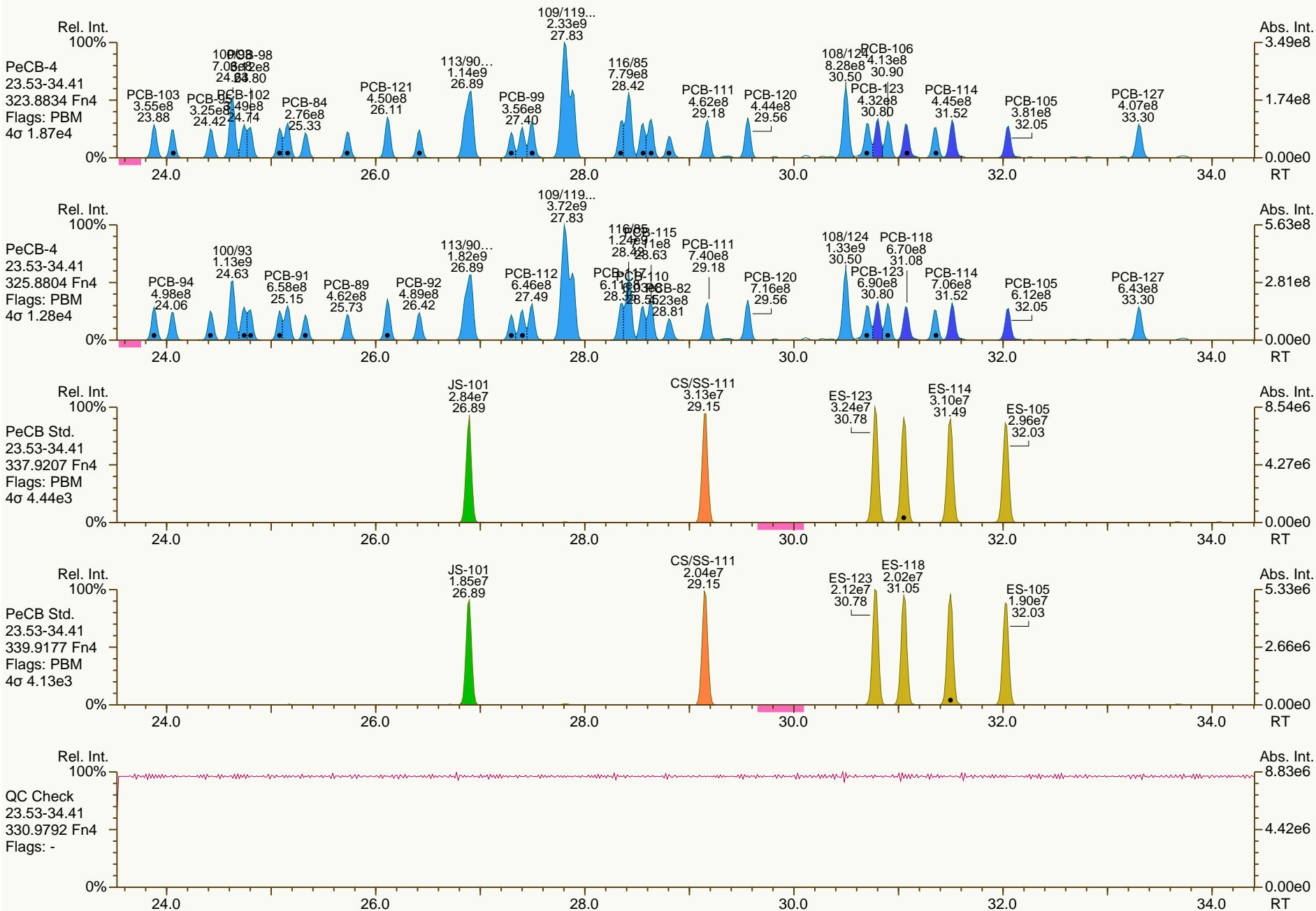
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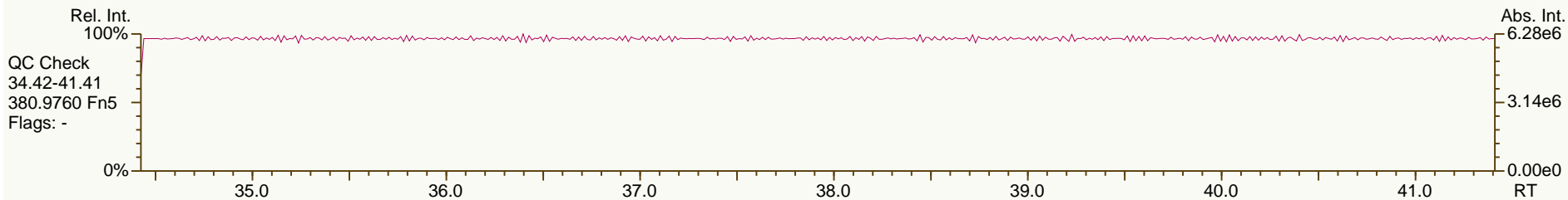
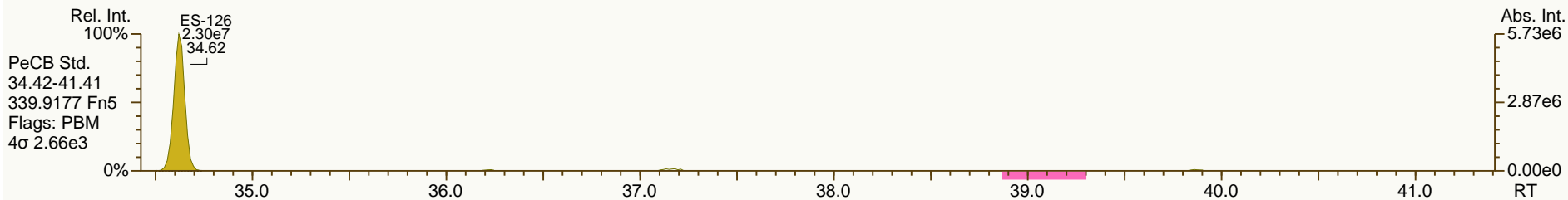
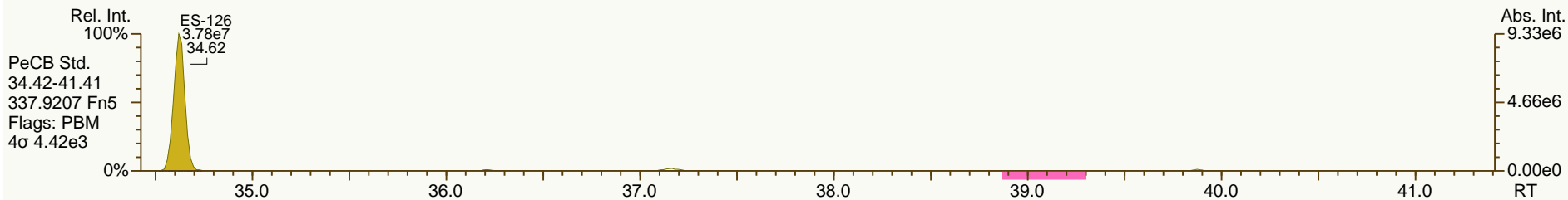
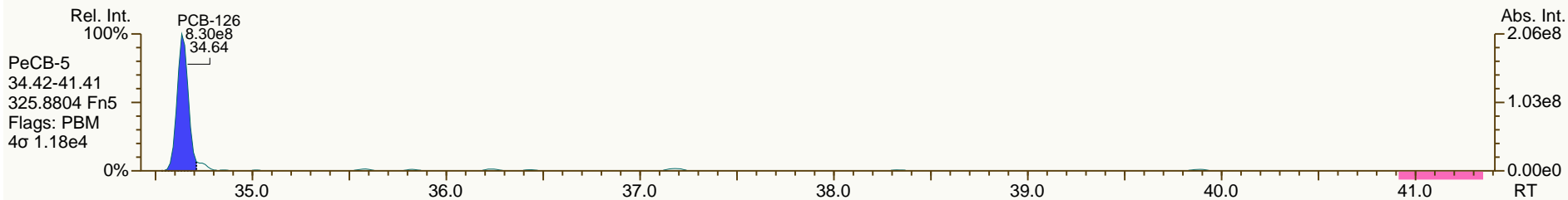
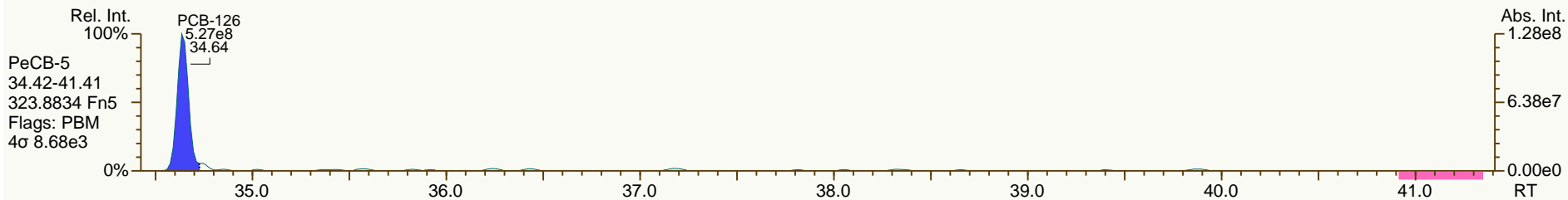
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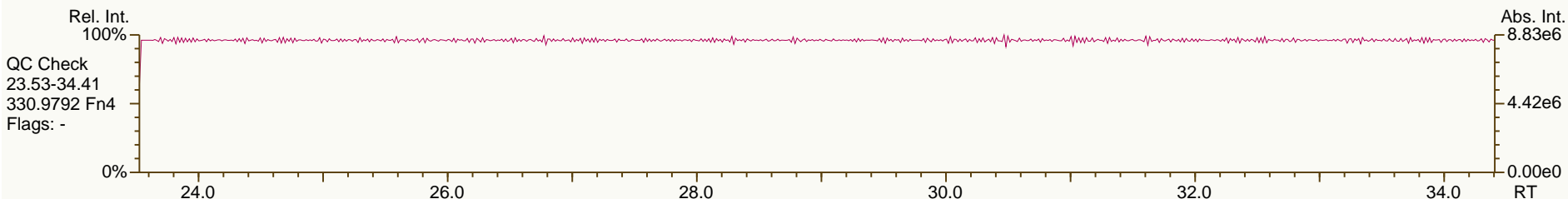
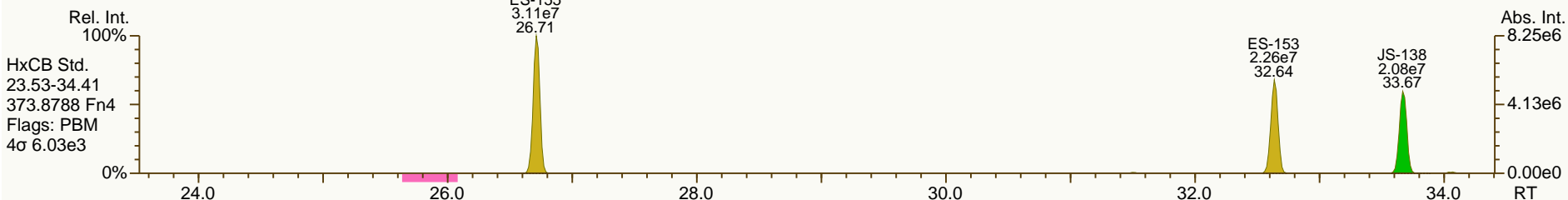
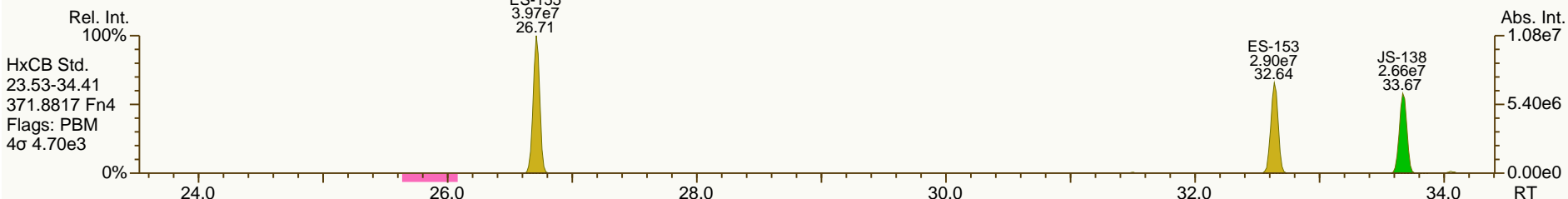
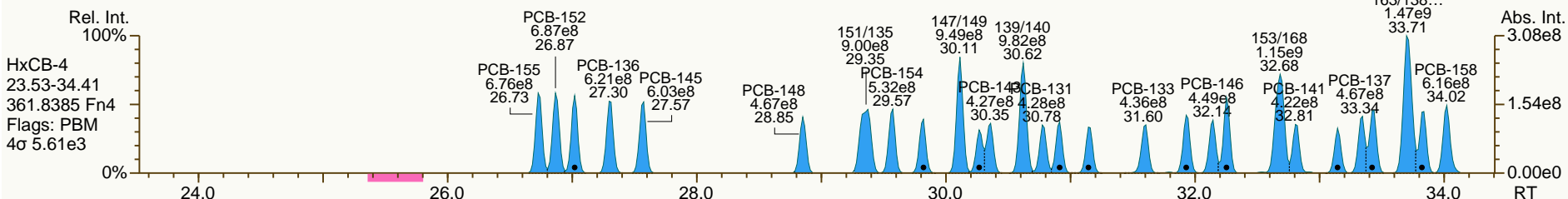
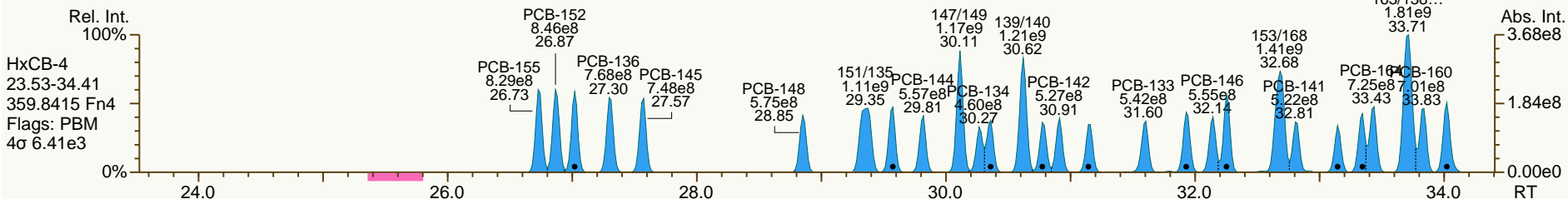
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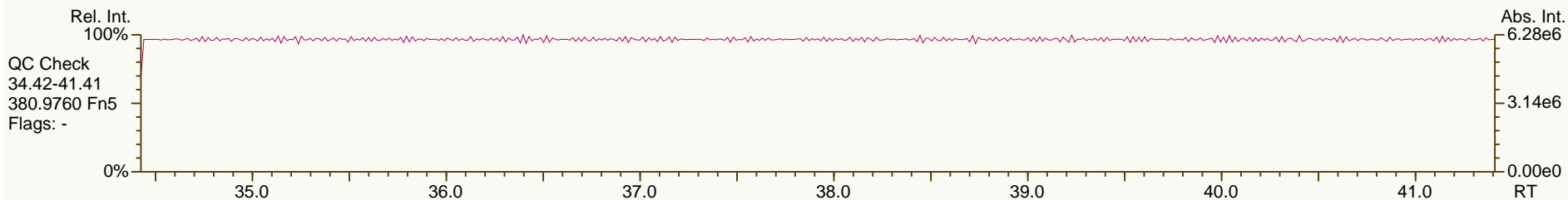
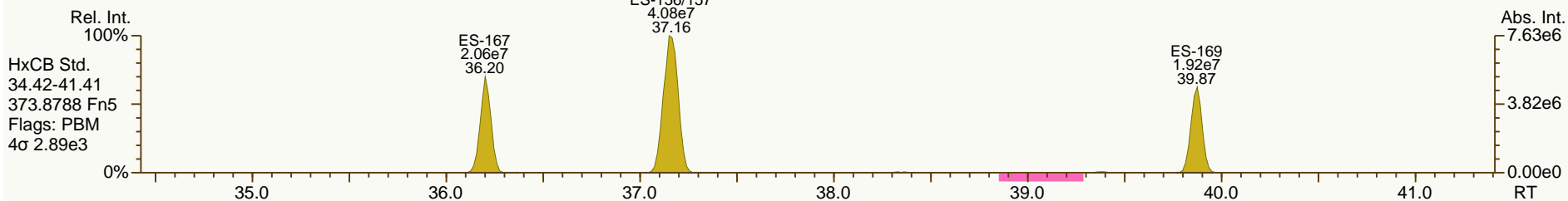
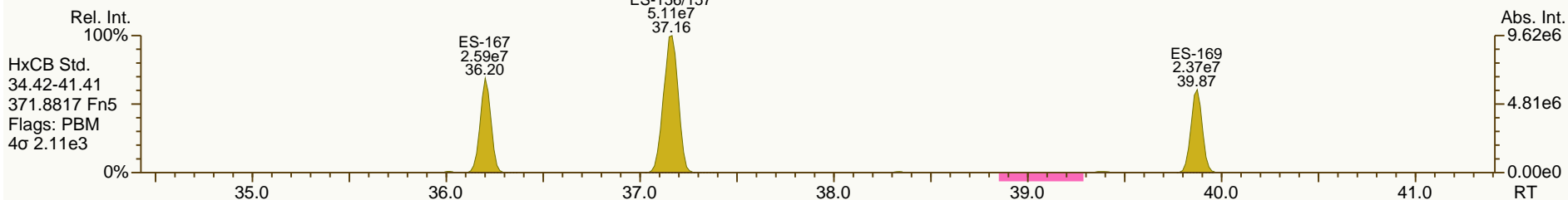
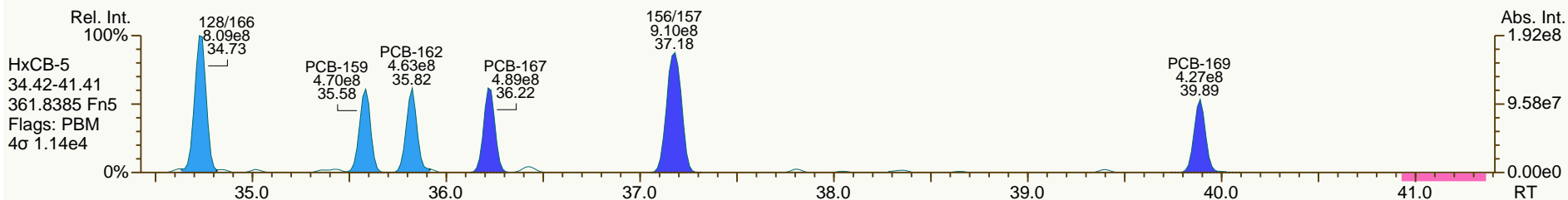
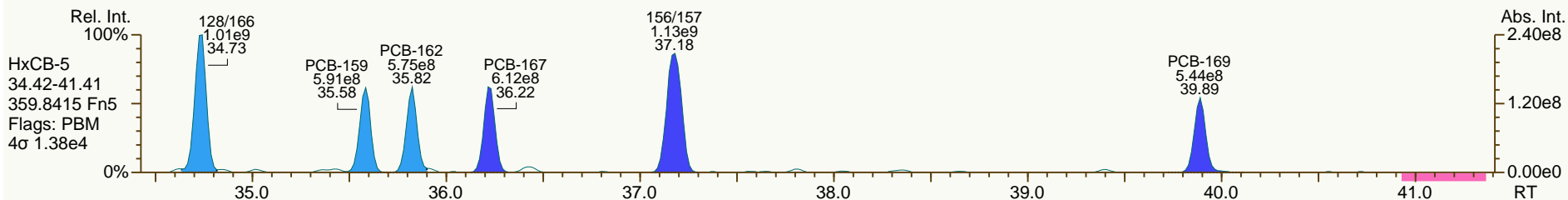
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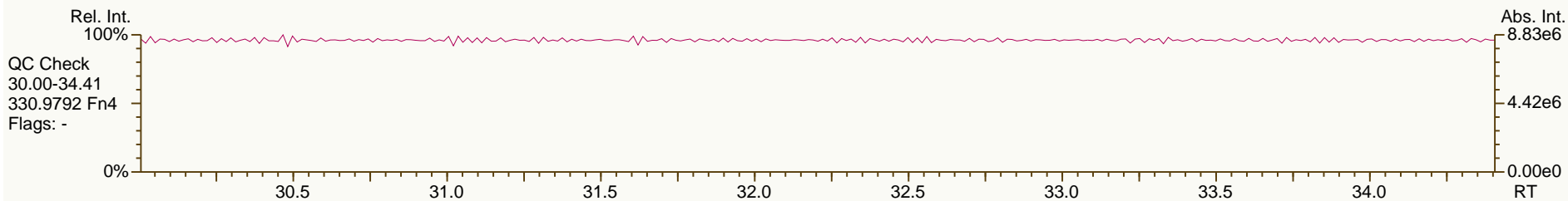
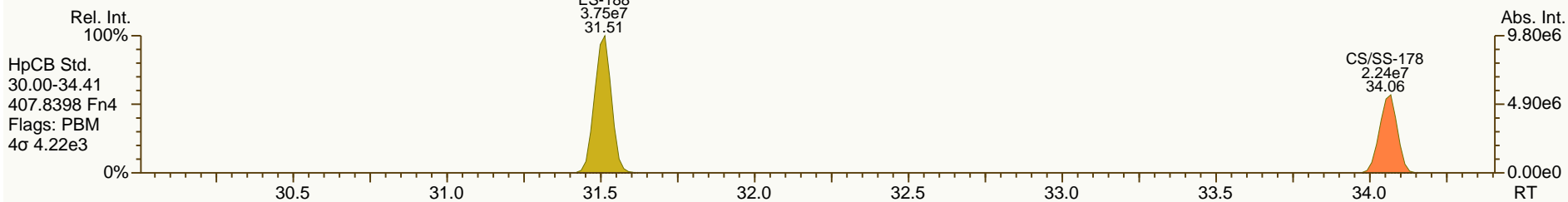
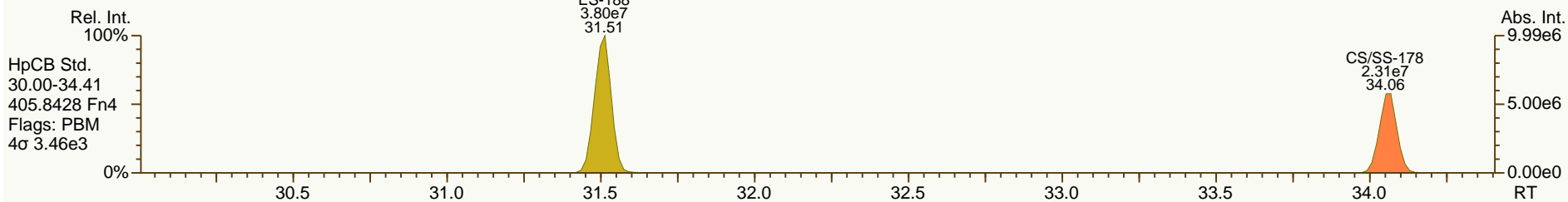
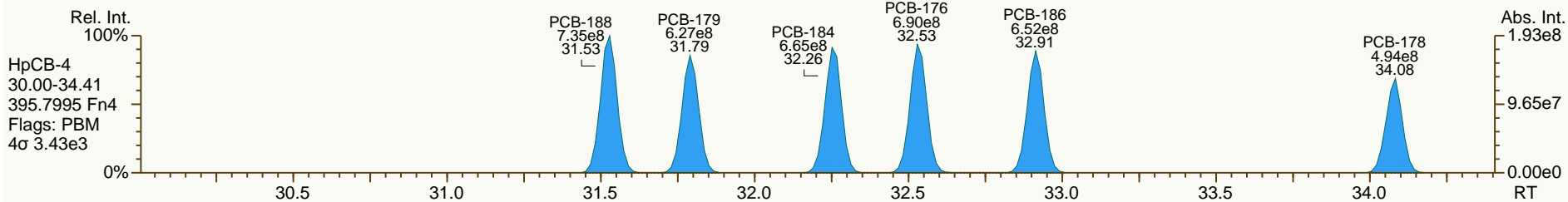
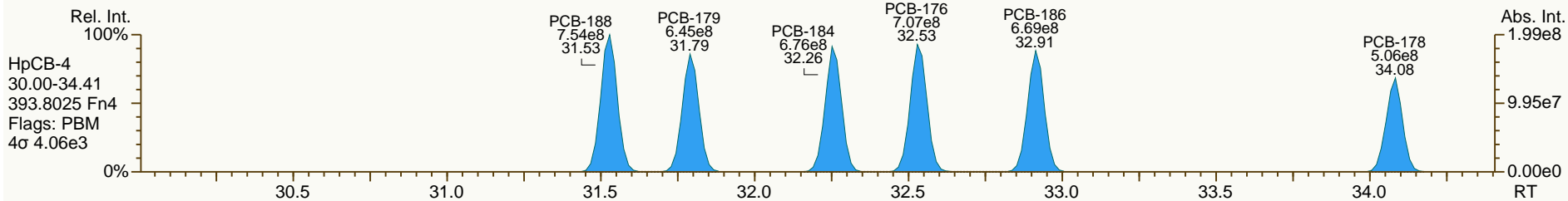
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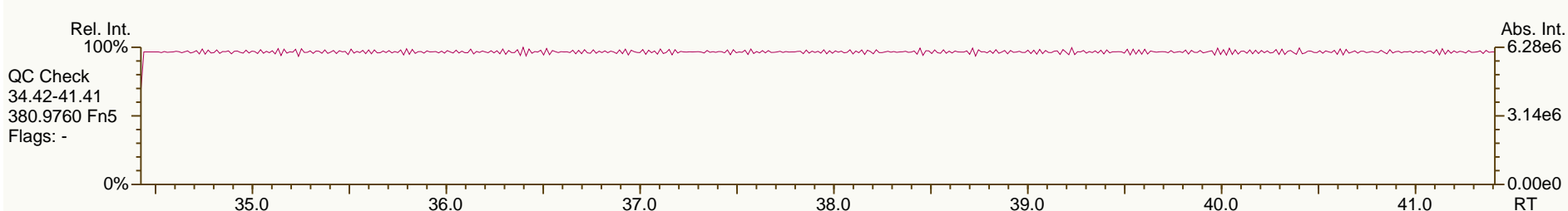
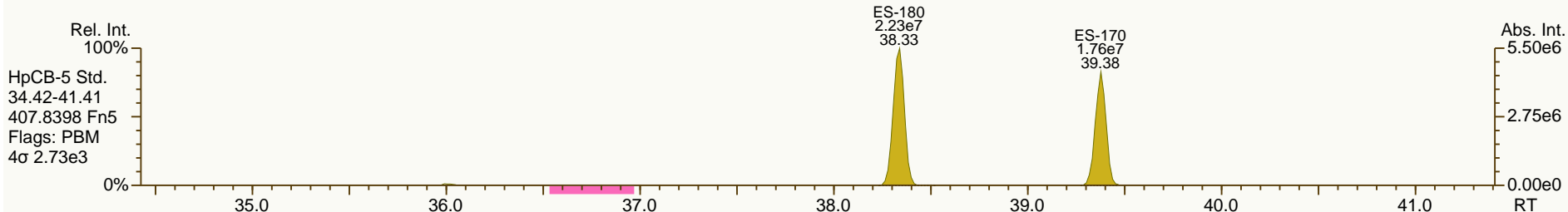
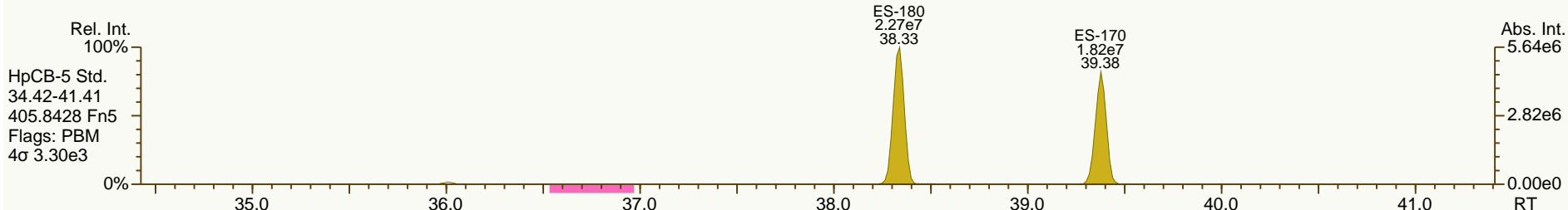
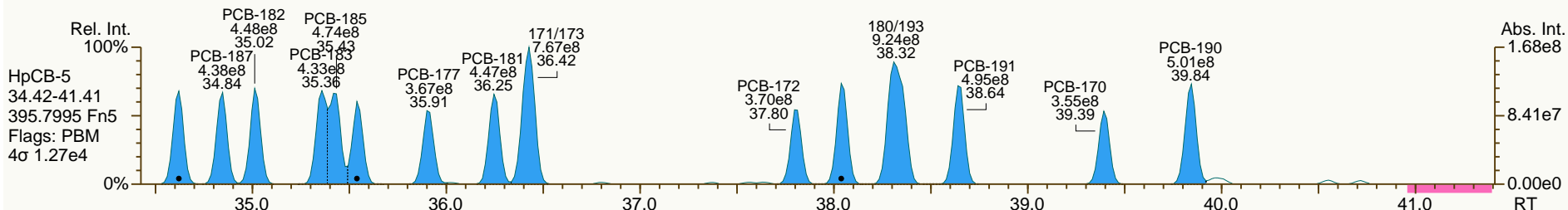
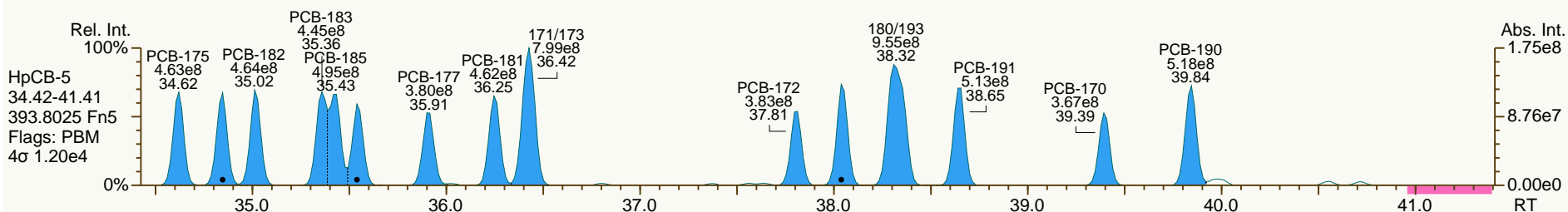
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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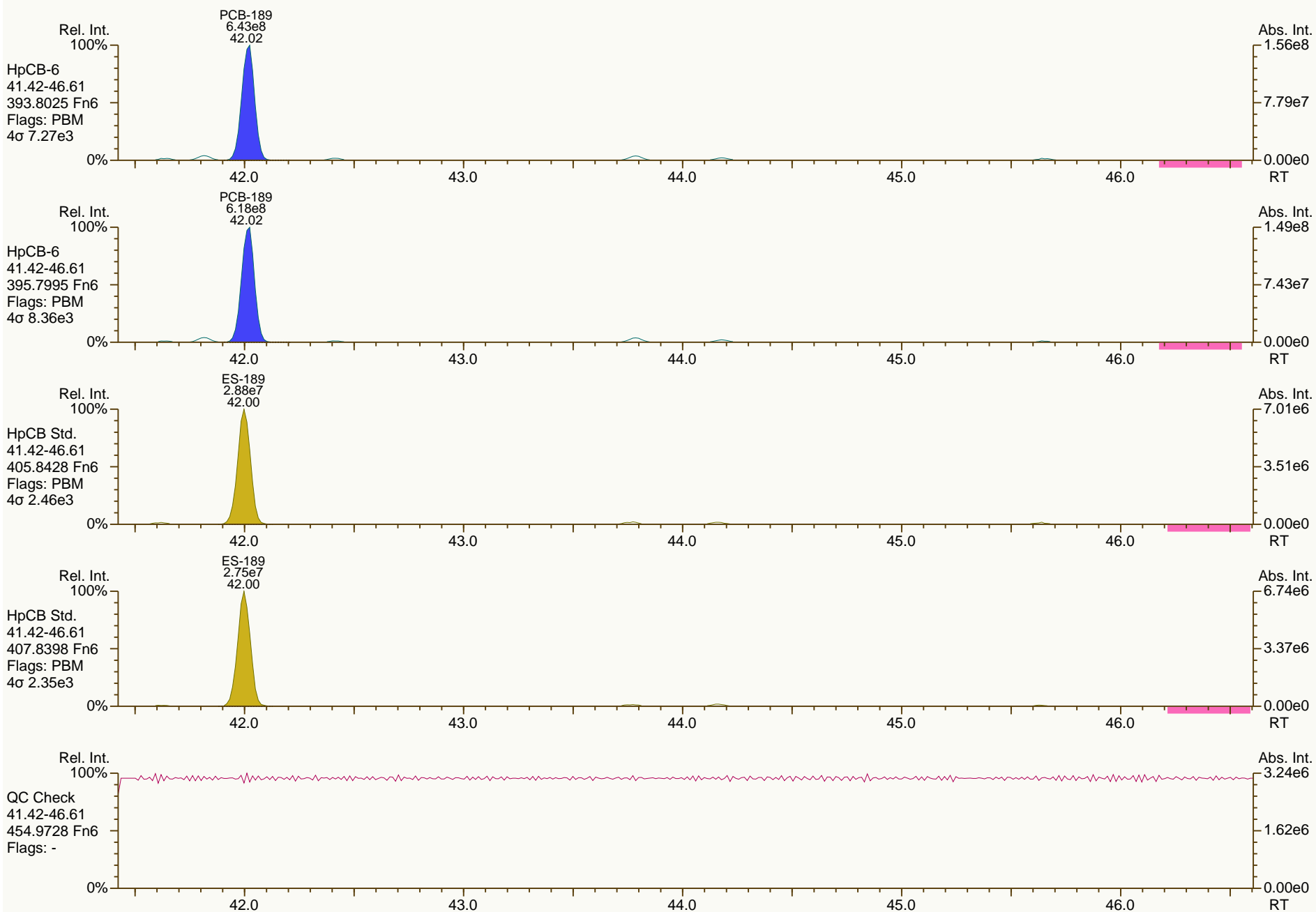
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SGS-AP ID: CS5_121214_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 15

Acq: 14-Dec-2012 06:57:45
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

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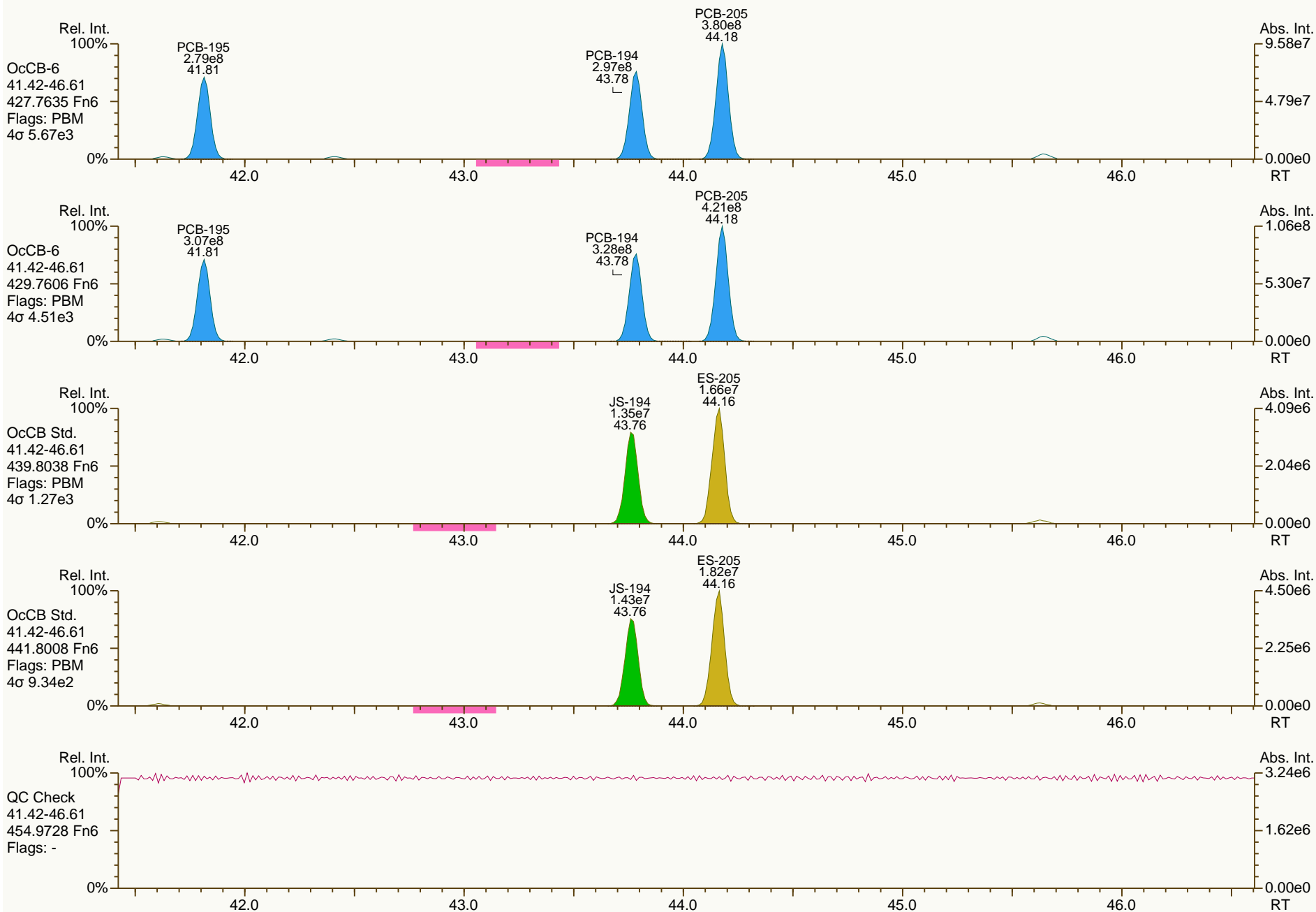
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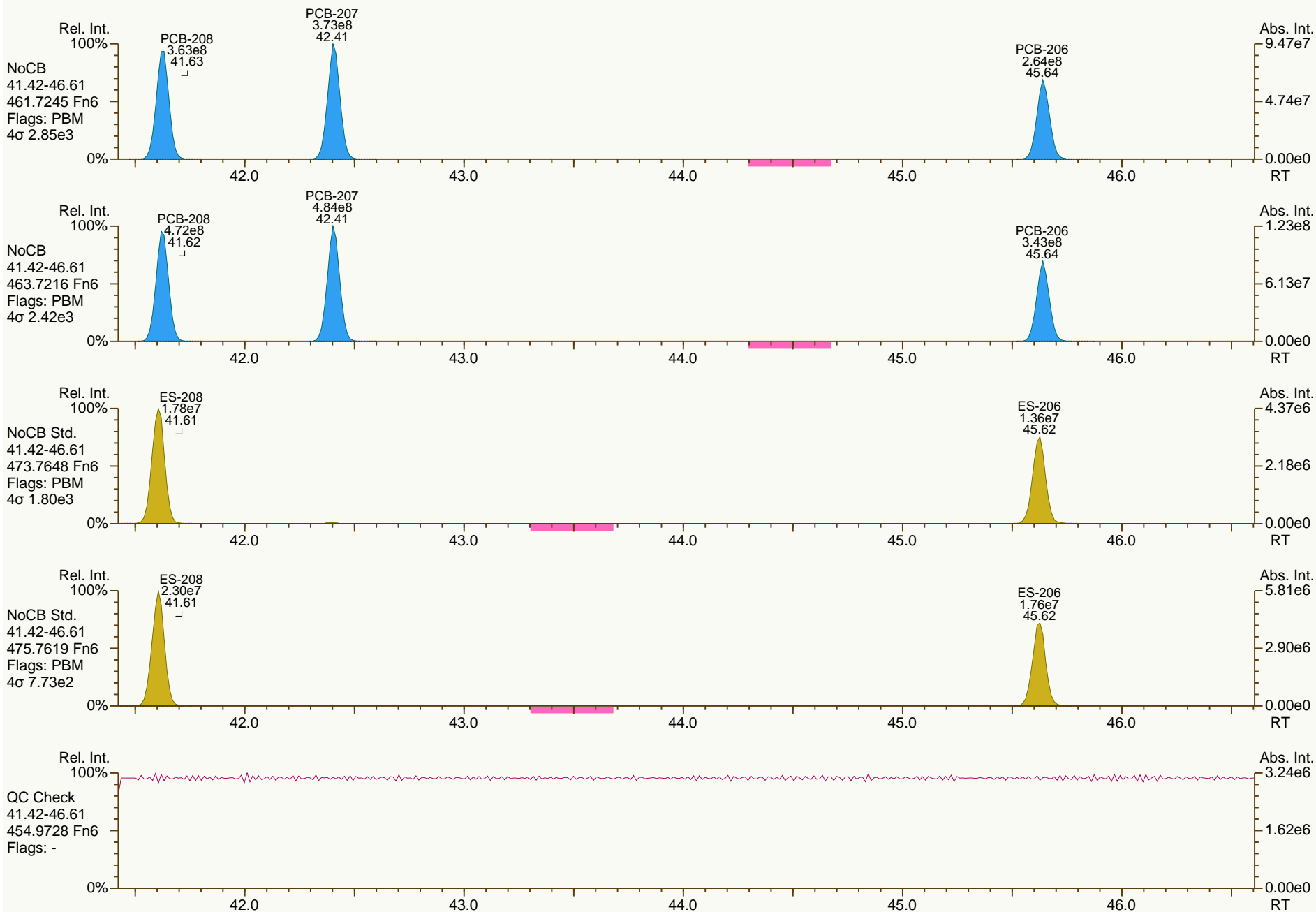
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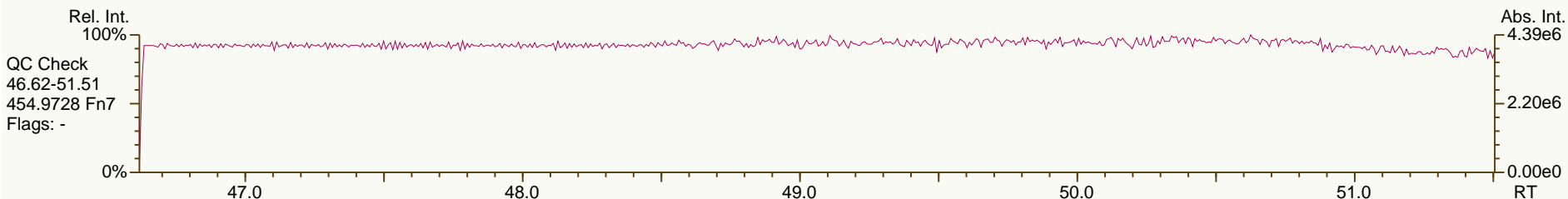
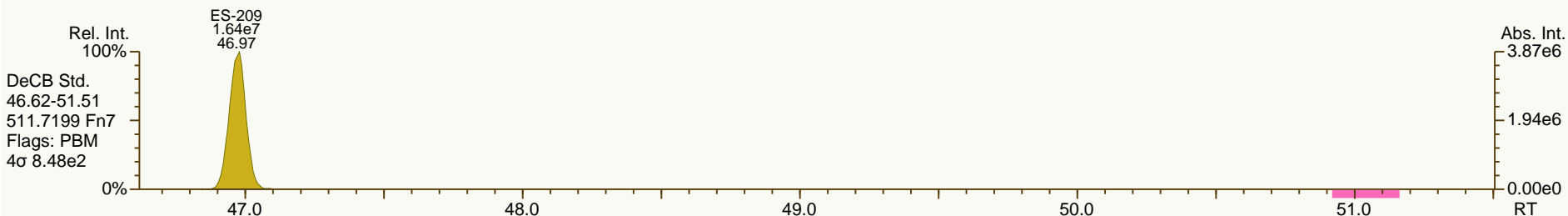
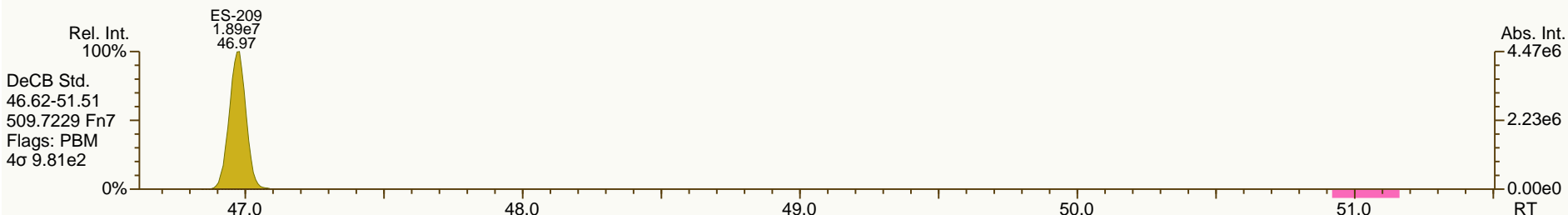
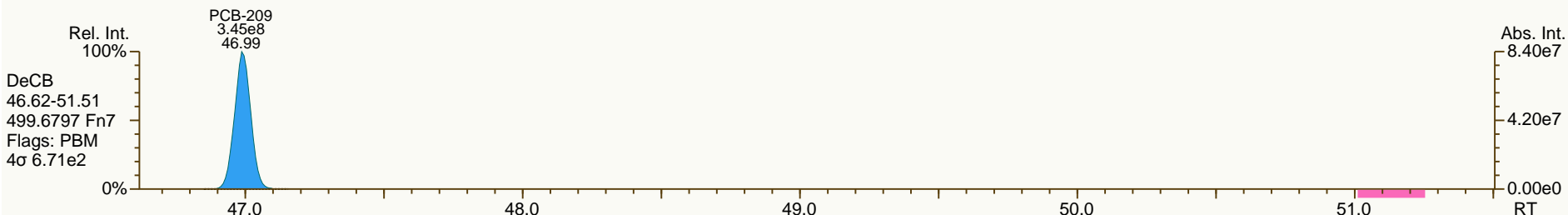
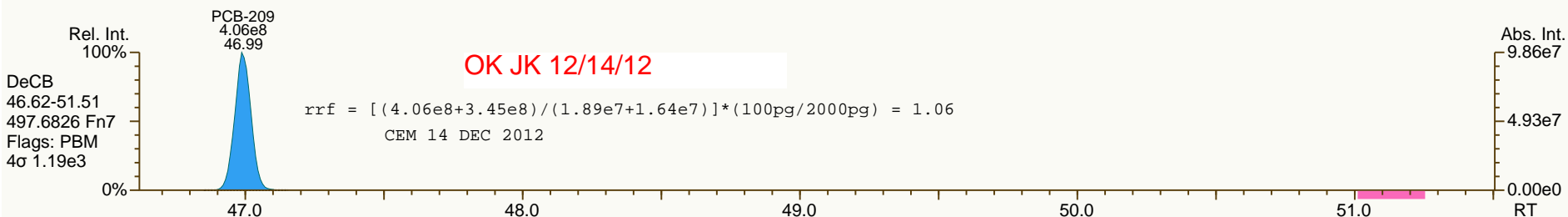
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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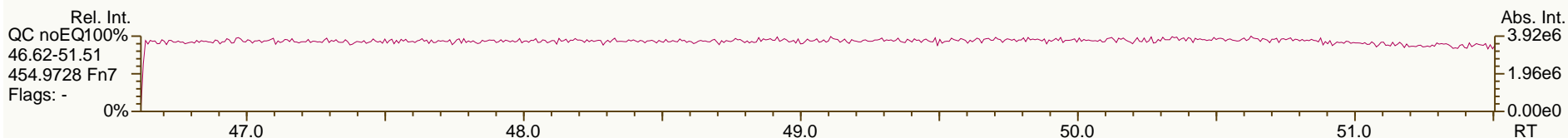
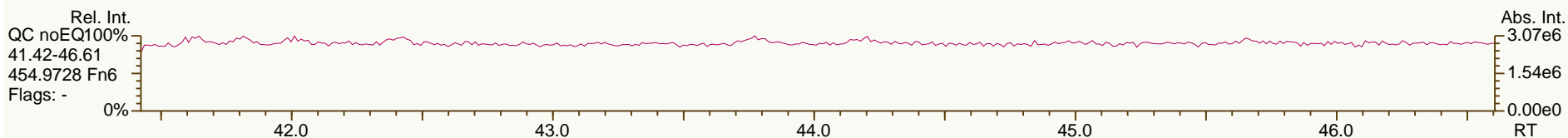
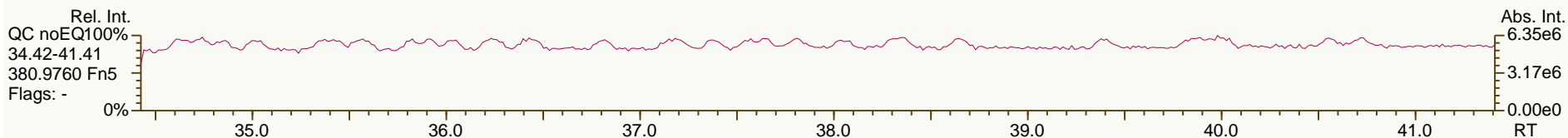
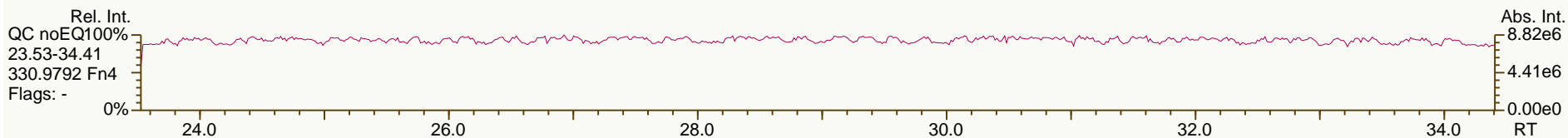
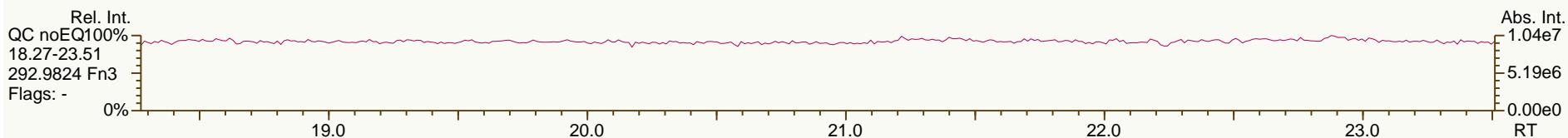
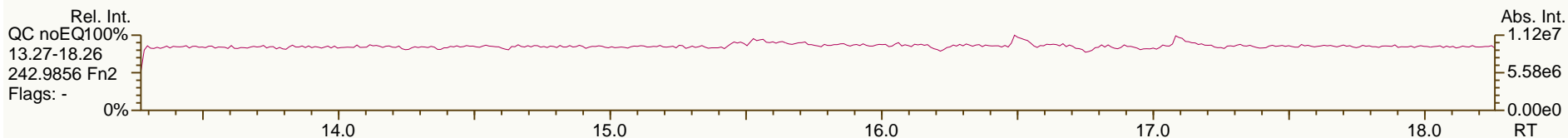
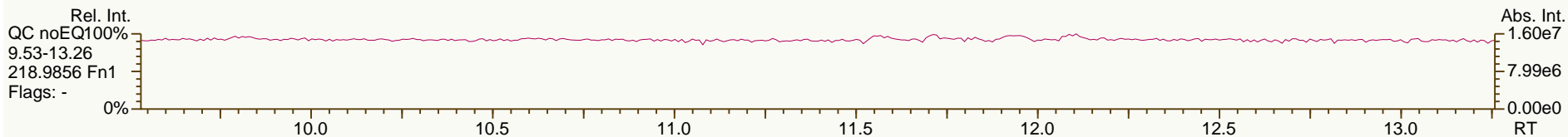
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SGS-AP ID: CS5_121214_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 12-65-1
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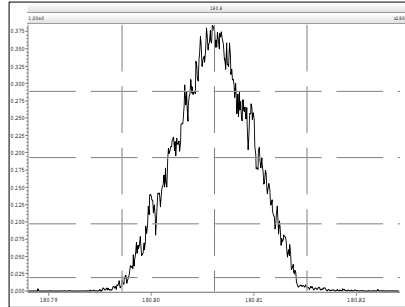


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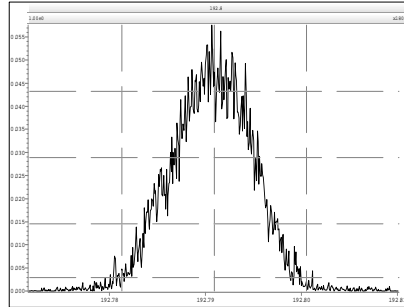
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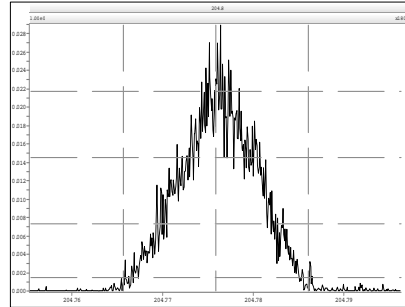
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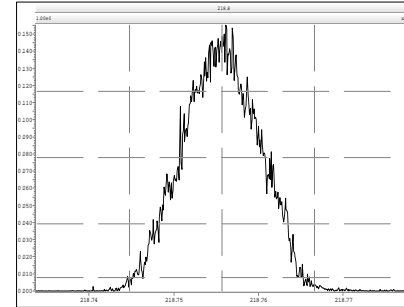
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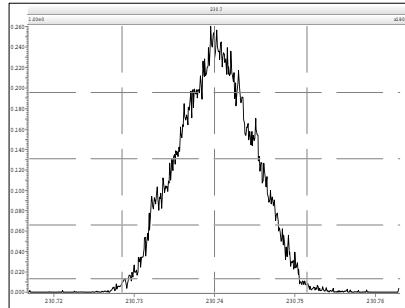
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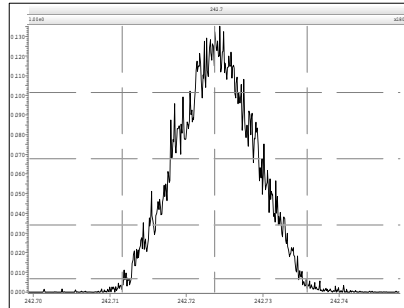
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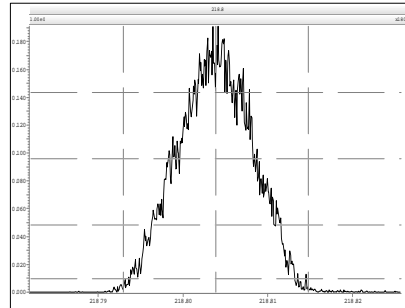
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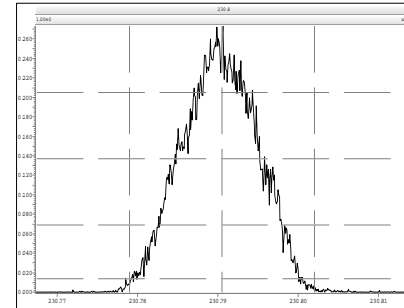
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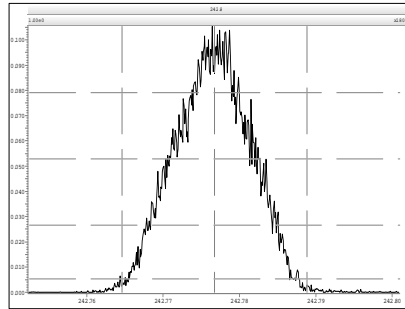
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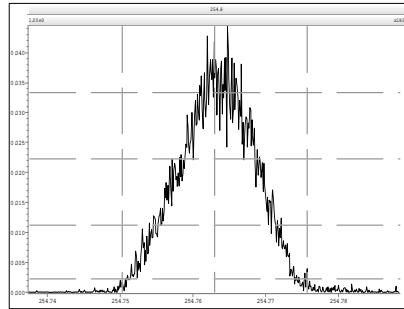
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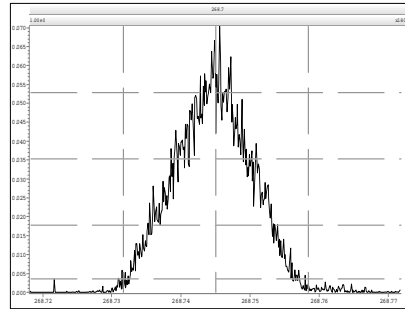
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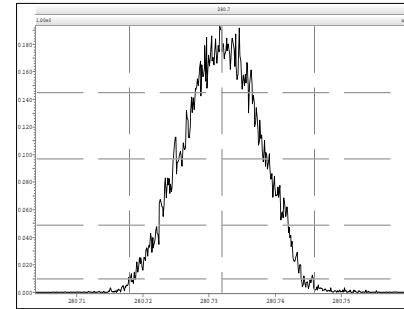
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M 268.9824 R 10965



M 280.9824 R 11135

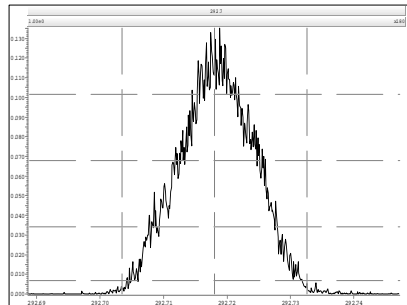


Resolution Check Report

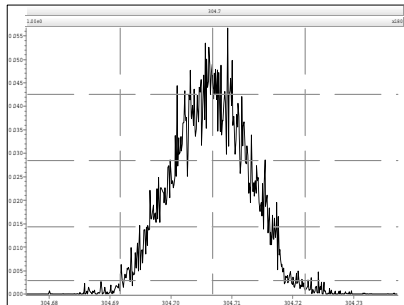
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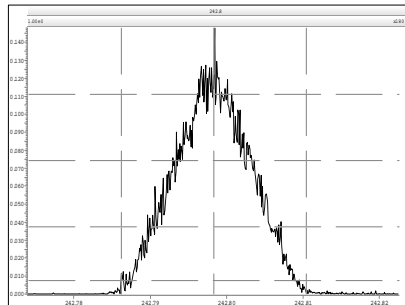
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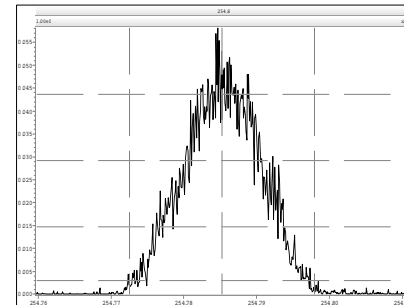
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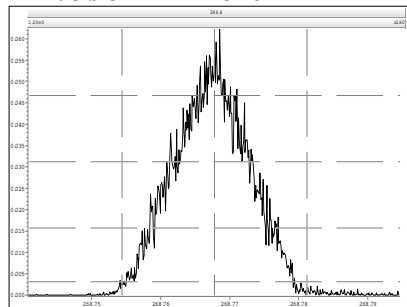
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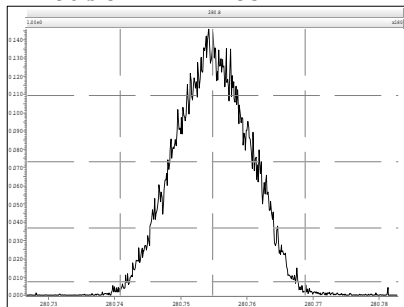
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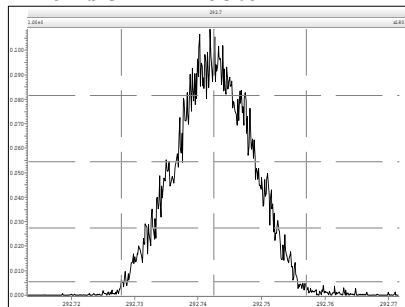
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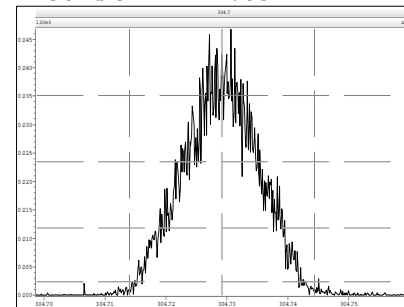
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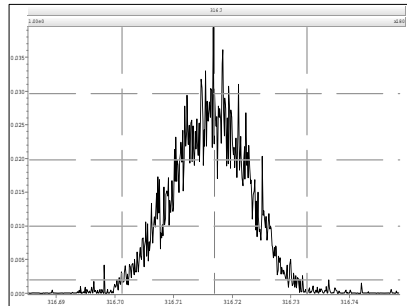
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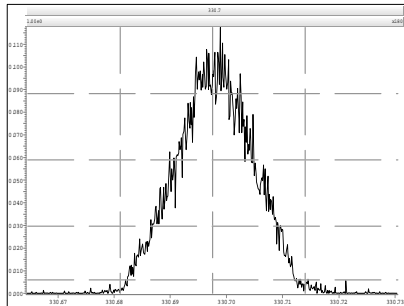
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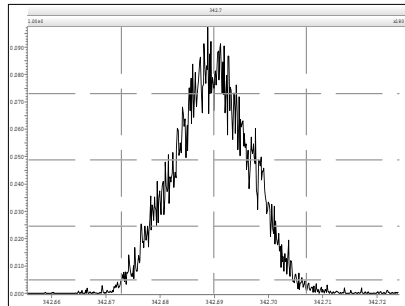
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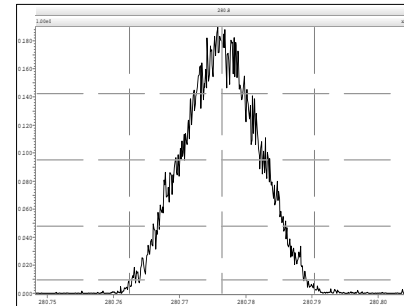
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M 342.9792 R 11065



M 280.9824 R 11138



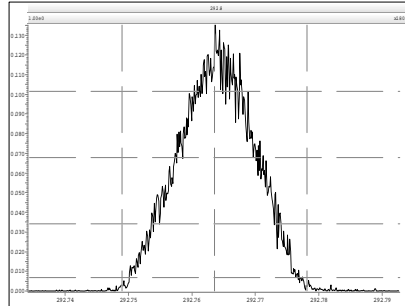
Resolution Check Report

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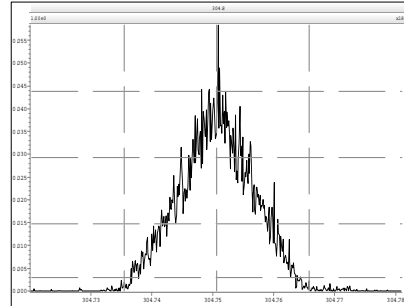
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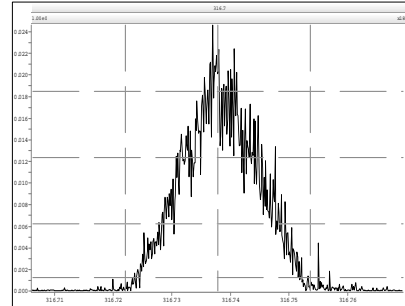
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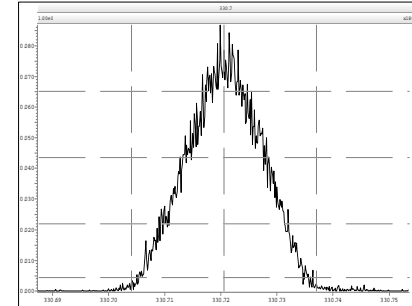
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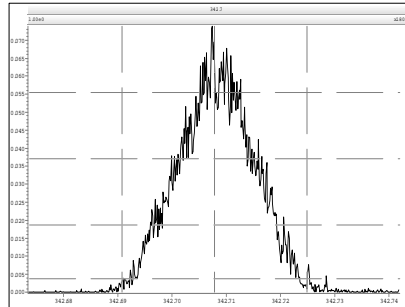
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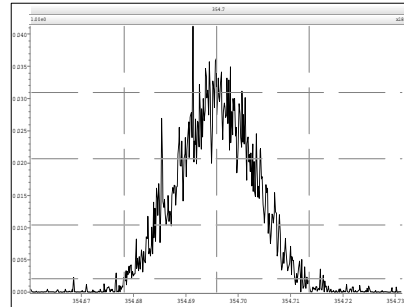
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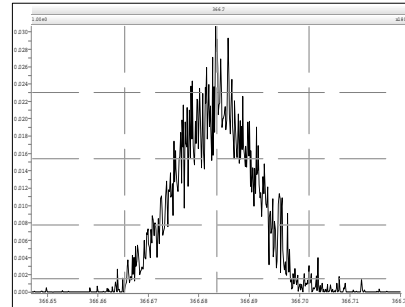
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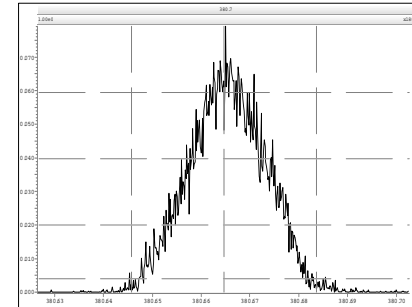
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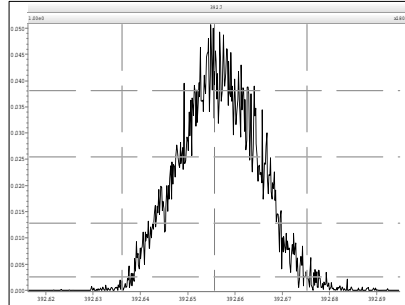
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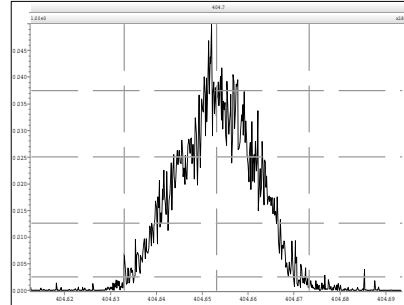
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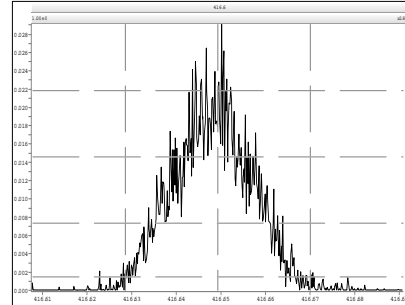
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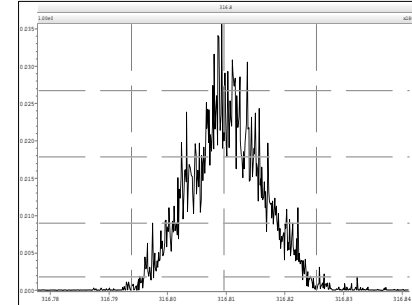
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M 416.9760 R 11904



M 316.9824 R 11212



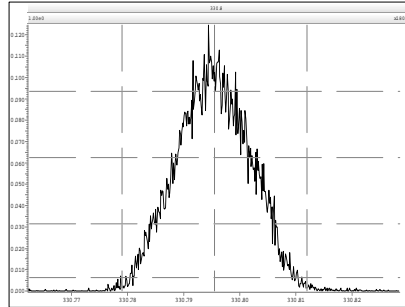
Resolution Check Report

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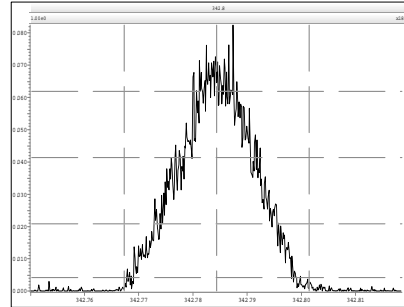
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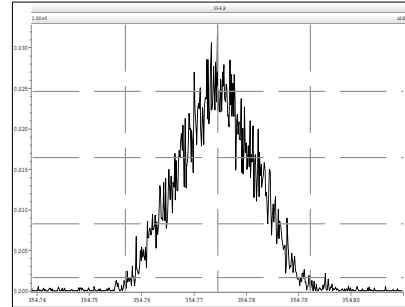
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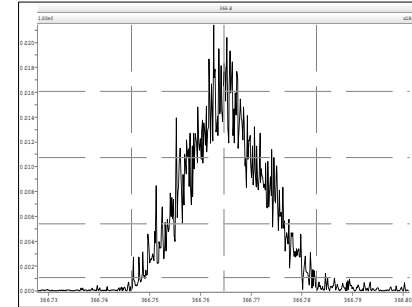
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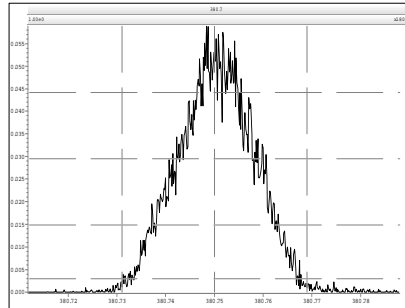
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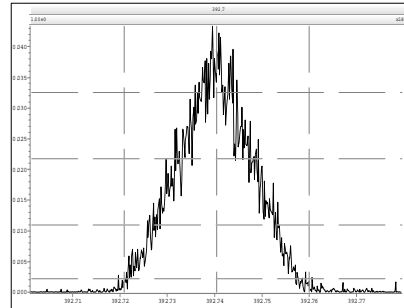
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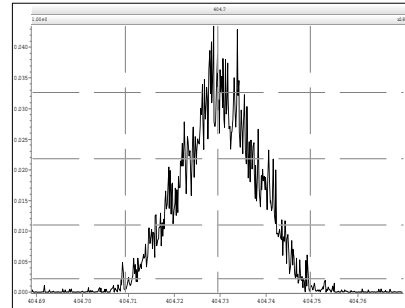
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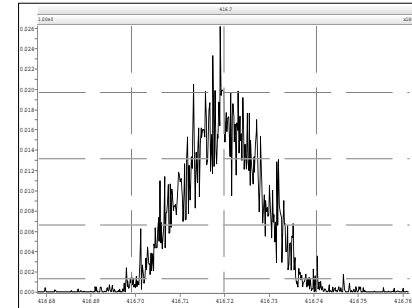
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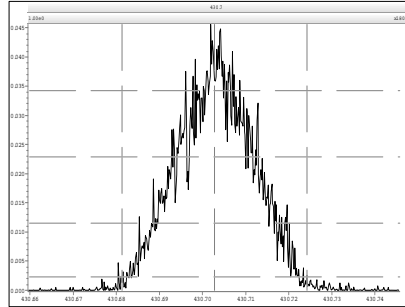
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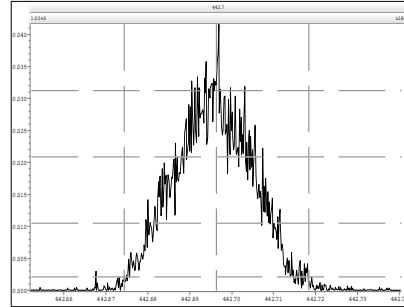
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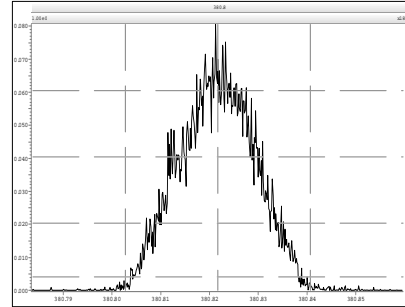
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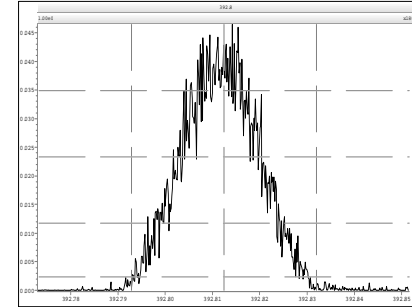
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M 380.9760 R 10941



M 392.9760 R 11166

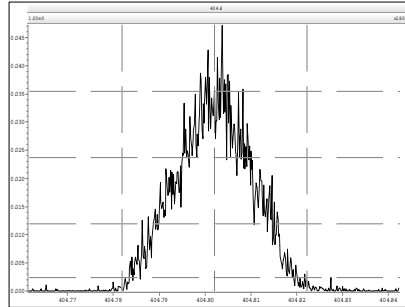


Resolution Check Report

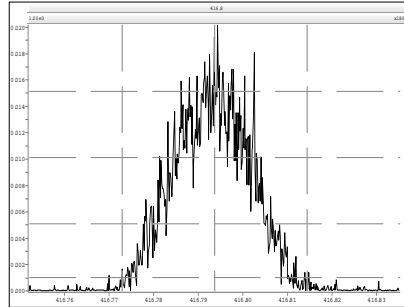
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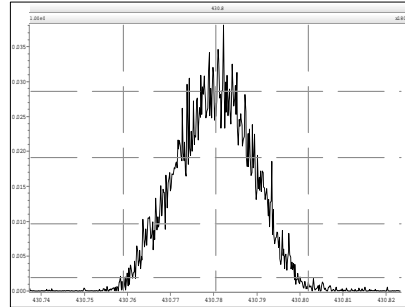
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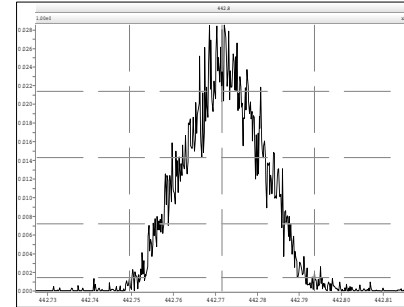
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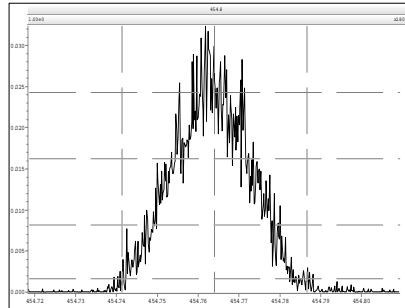
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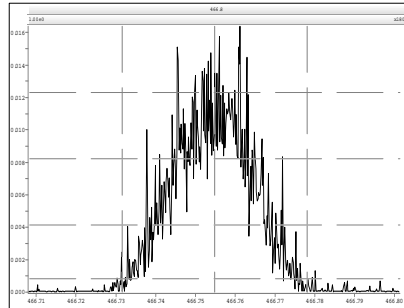
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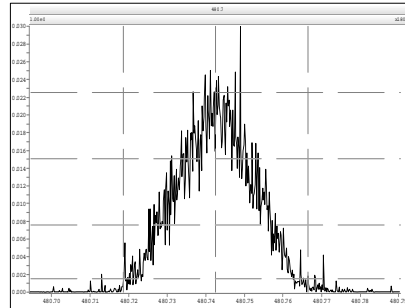
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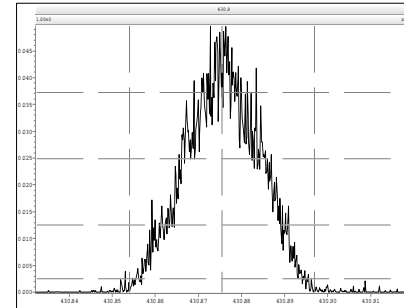
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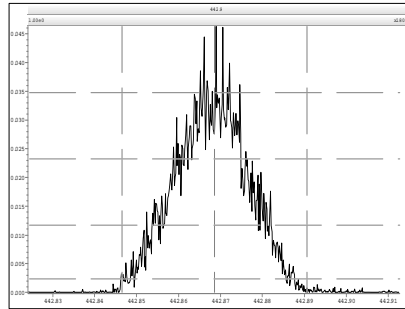
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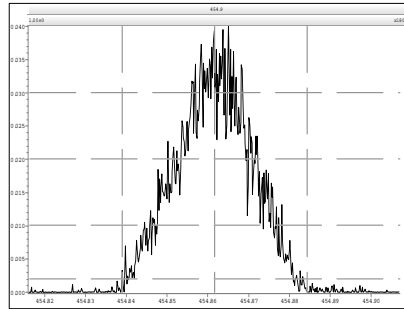
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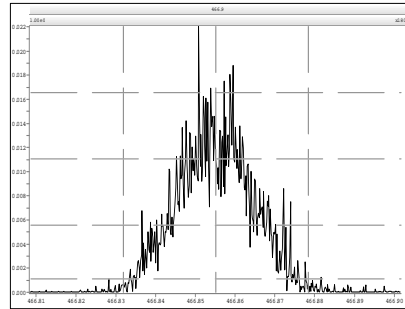
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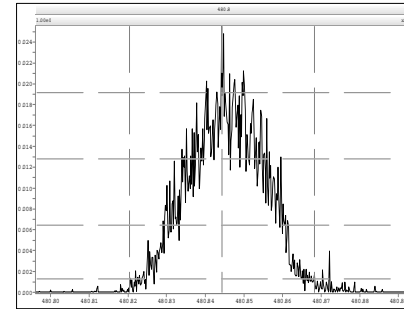
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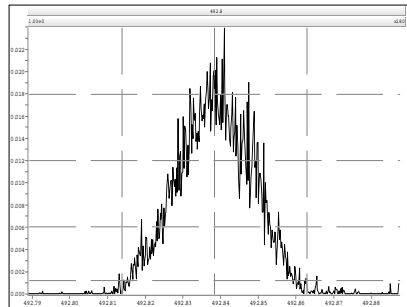
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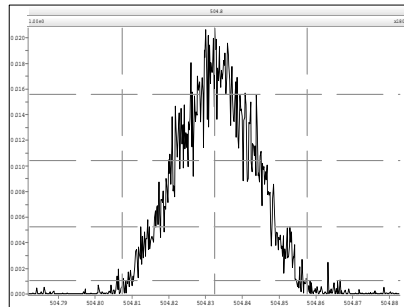
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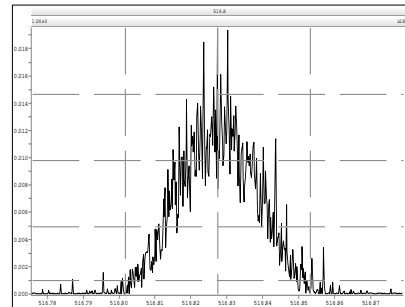
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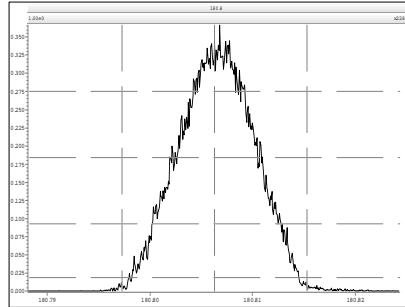


Resolution Check Report

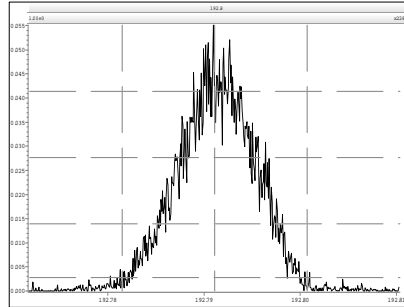
MassLynx 4.1

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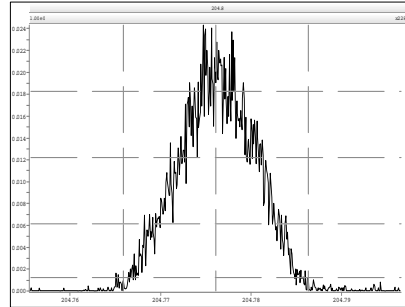
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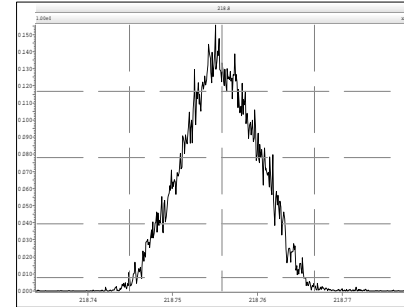
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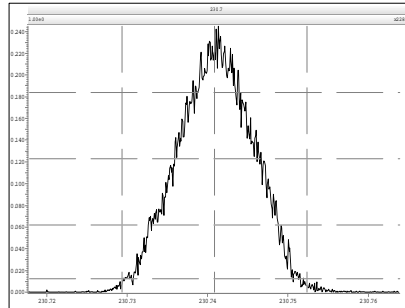
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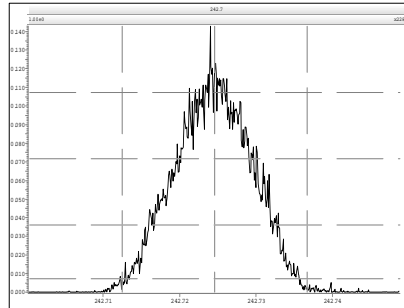
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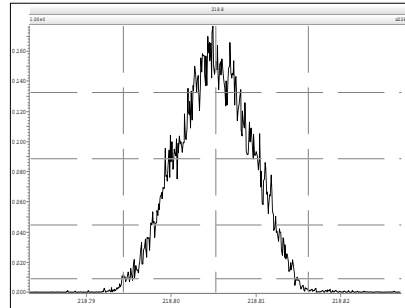
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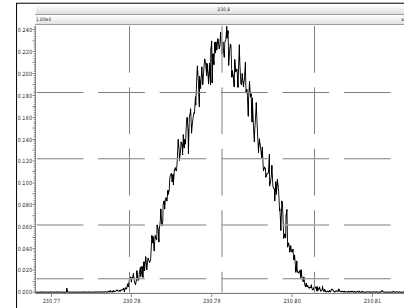
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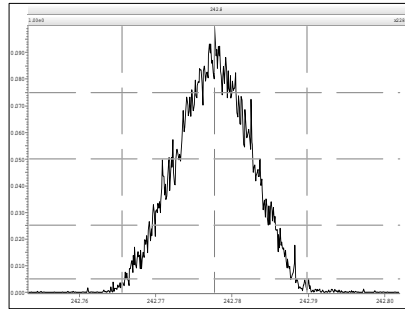
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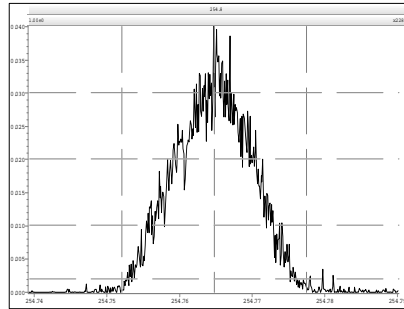
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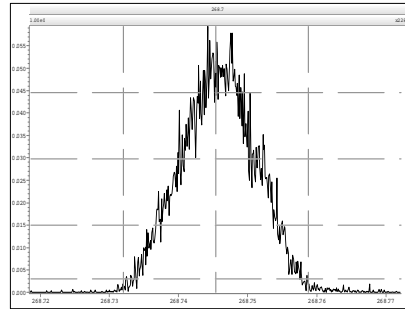
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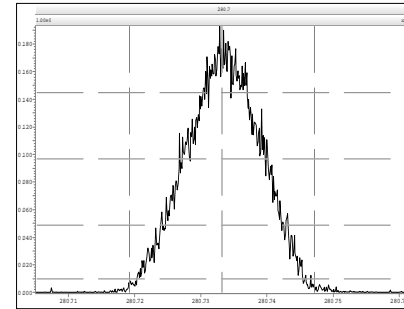
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M 268.9824 R 11390



M 280.9824 R 11287



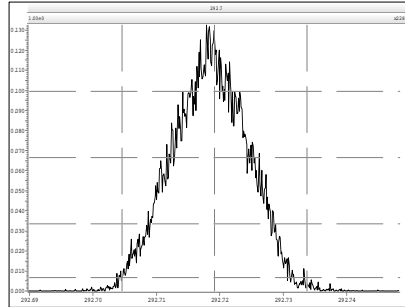
Resolution Check Report

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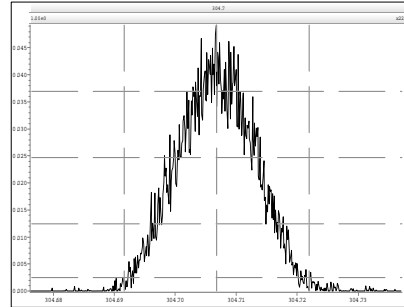
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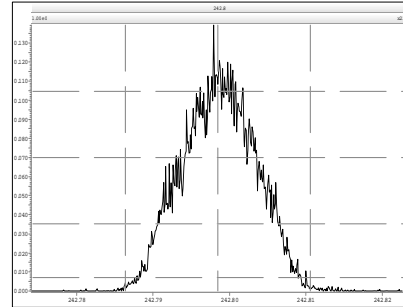
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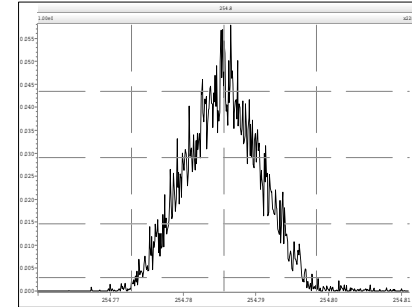
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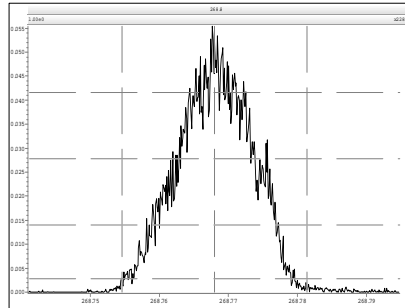
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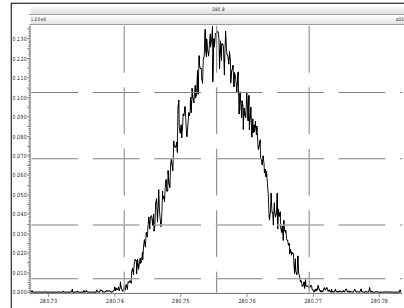
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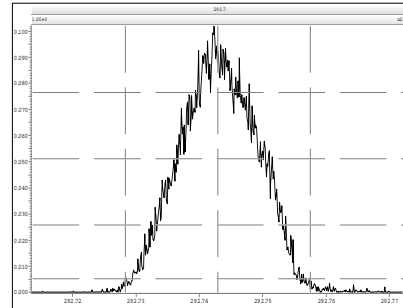
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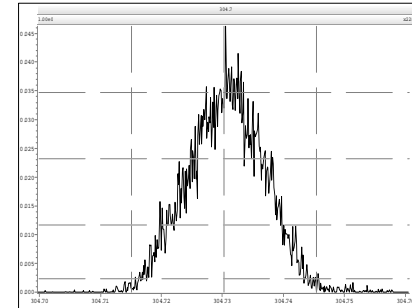
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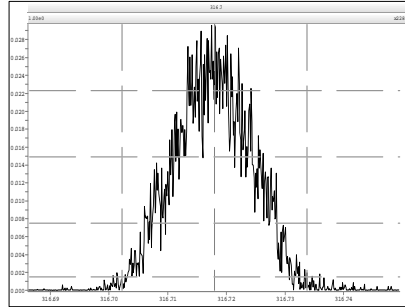
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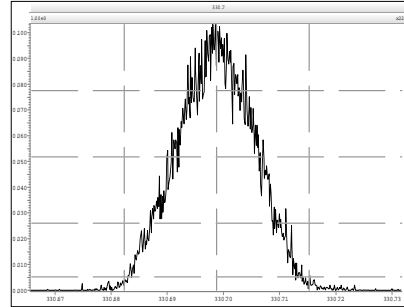
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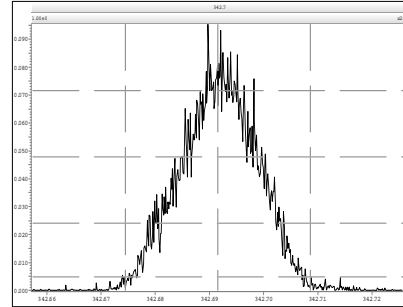
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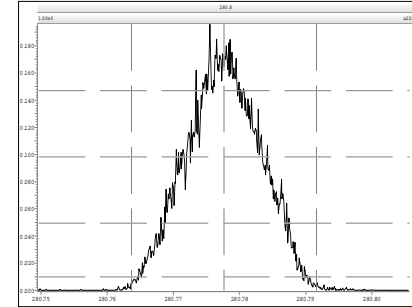
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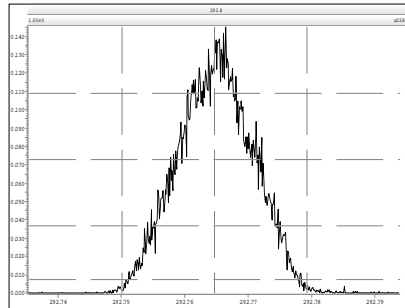
Resolution Check Report

MassLynx 4.1

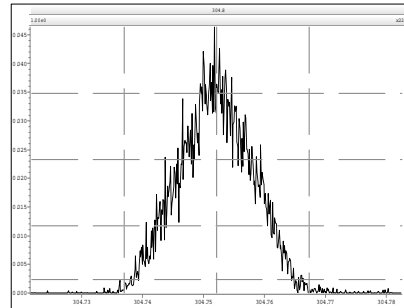
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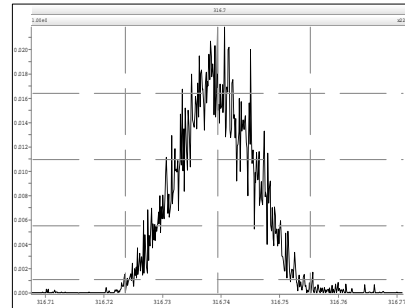
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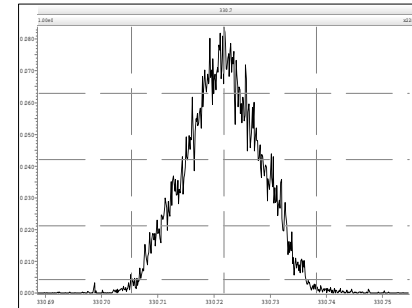
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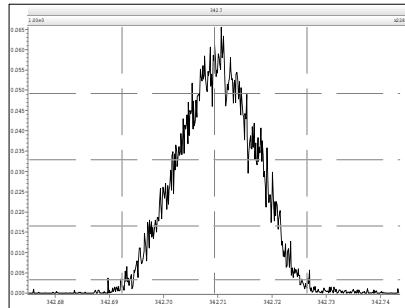
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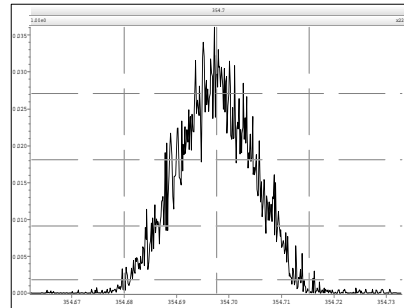
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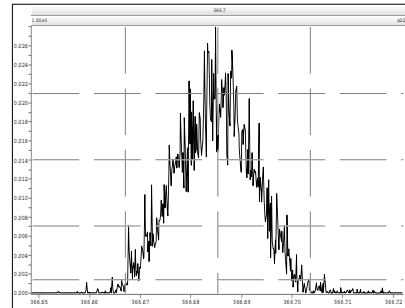
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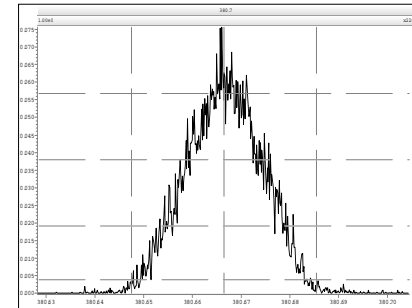
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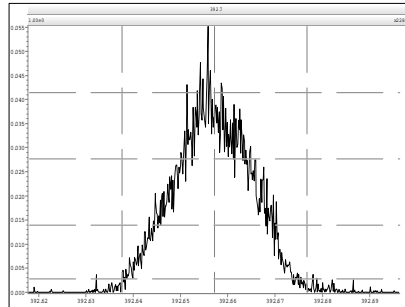
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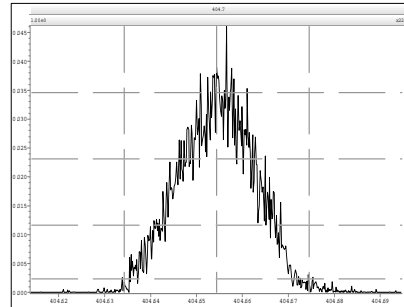
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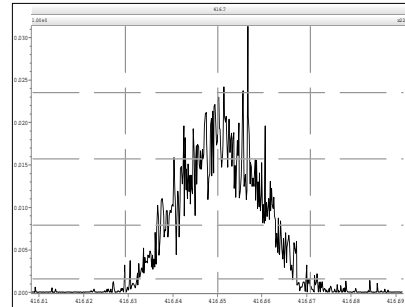
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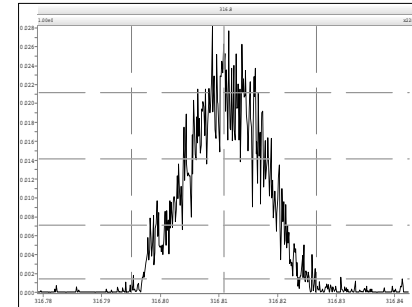
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M 416.9760 R 11550



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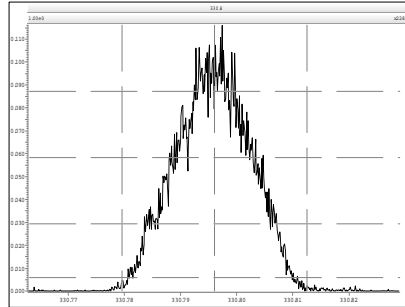
Resolution Check Report

MassLynx 4.1

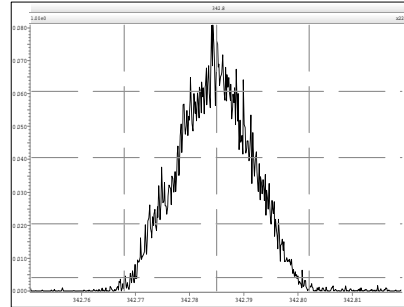
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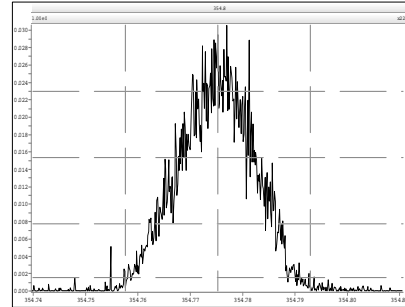
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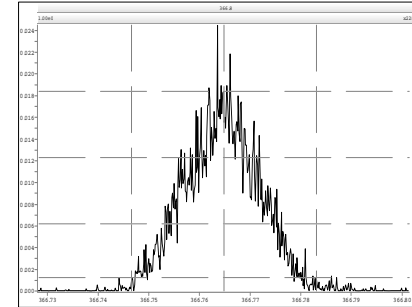
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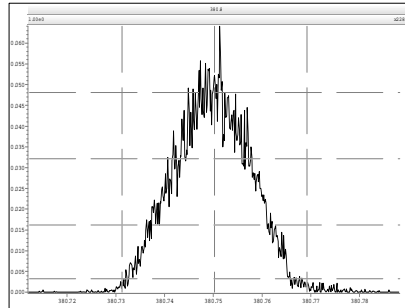
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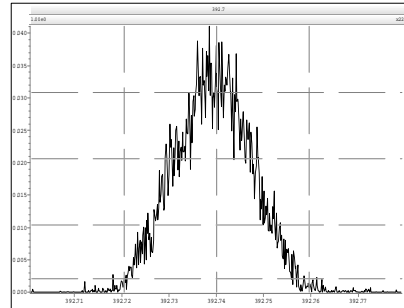
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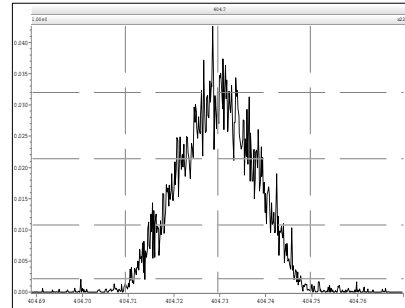
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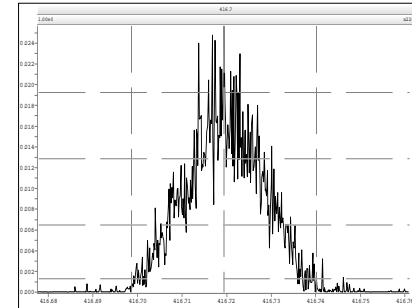
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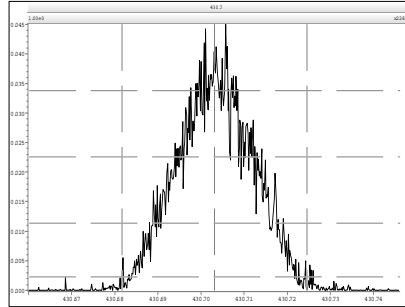
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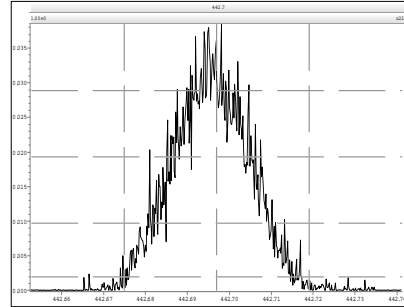
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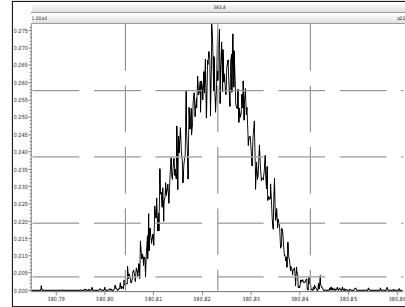
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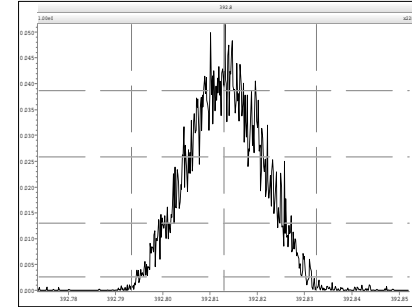
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M 380.9760 R 12107



M 392.9760 R 11287



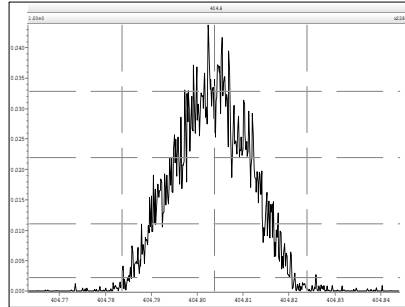
Resolution Check Report

MassLynx 4.1

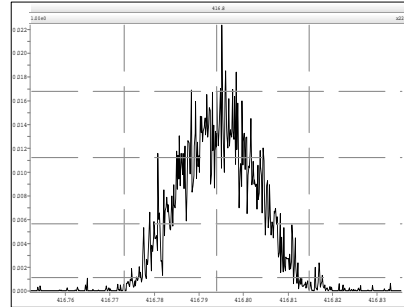
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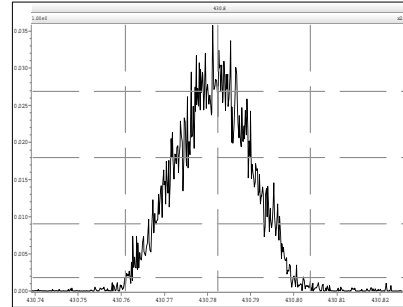
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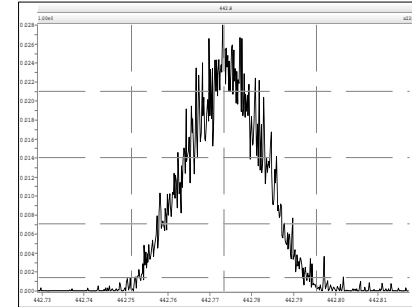
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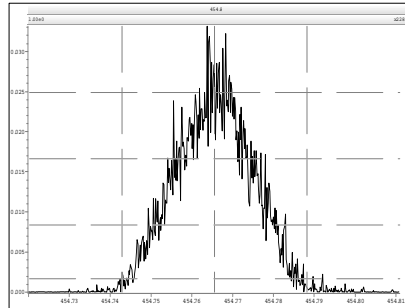
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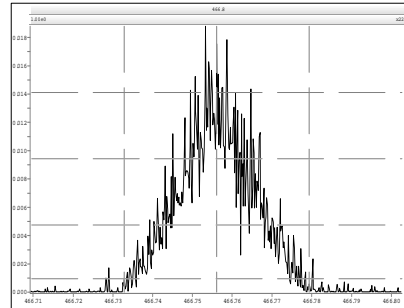
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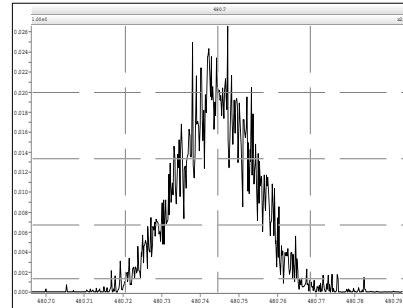
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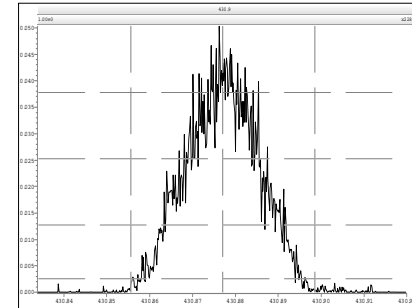
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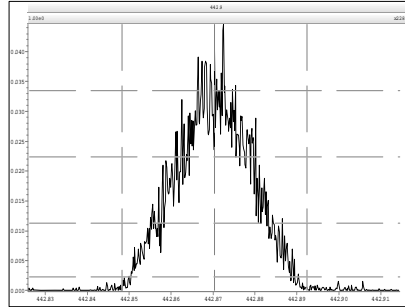
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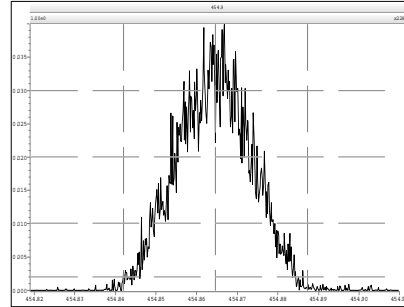
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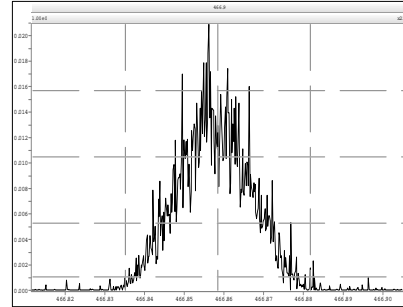
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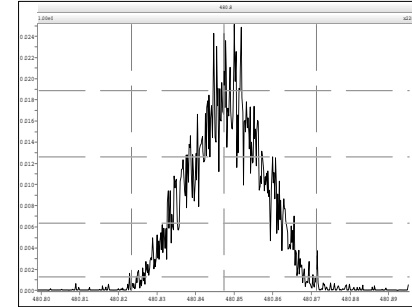
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M 466.9728 R 12168



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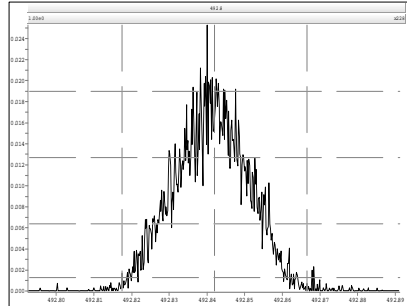
Resolution Check Report

MassLynx 4.1

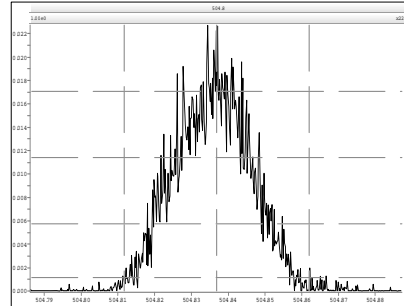
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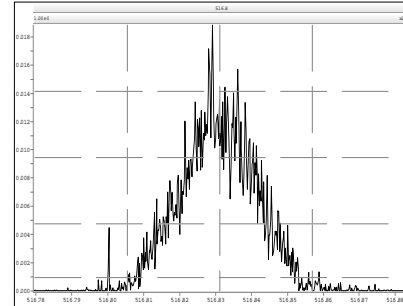
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Lab ID: OPR1_11123_DF
 Client ID: 0_11123_OPR001
 Datafile: 130718P1-02

Acq'd: 18 Jul 2013 13:14 MDC
 UTP: 19-Jul-2013 13:26 MDC
 Report: 20 Jul 2013 09:56 MC

Wt/Vol: 1.00 g
 J-level: 5 pg/g Split: 1
 Stds (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37CI)
 ICAL: MM1_11012012A_DF_13FEB2013
 Checkcode: 735-510-RLX

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Conc.	Noise	DL
2378-TCDD	27.99		1.0009	1.0009	0	8.21E+06	0.79	Y	1.06	10.7	3363	0.0499
12378-PeCDD	34.17		1.0006	1.0007	+0.2	3.40E+07	1.54	Y	0.94	52.8	3478	0.0522
123478-HxCDD	38.76		1.0004	1.0004	0	3.29E+07	1.25	Y	1.02	54.8	2870	0.0479
123678-HxCDD	38.89		1.0039	1.0039	0	3.31E+07	1.27	Y	1.04	59.5	2870	0.0494
123789-HxCDD	39.23		1.0125	1.0126	+0.2	3.24E+07	1.25	Y	0.98	52.8	2870	0.0477
1234678-HpCDD	42.84		1.0004	1.0003	-0.3	2.99E+07	1.03	Y	1.02	52	3415	0.0544
OCDD	46.61		1.0003	1.0003	0	4.67E+07	0.91	Y	1.08	108	2330	0.0644
2378-TCDF	27.02		1.0009	1.0008	-0.2	1.29E+07	0.80	Y	0.97	11.9	3449	0.0358
12378-PeCDF	32.46		1.0006	1.0006	0	5.23E+07	1.49	Y	1.00	53.2	4558	0.0463
23478-PeCDF	33.76		1.0006	1.0006	0	5.46E+07	1.51	Y	0.96	55.4	4558	0.0449
123478-HxCDF	37.60		1.0005	1.0005	0	4.75E+07	1.24	Y	1.23	52.8	6587	0.0709
123678-HxCDF	37.77		1.0005	1.0005	0	5.03E+07	1.26	Y	1.14	52.2	6587	0.0674
234678-HxCDF	38.54		1.0005	1.0005	0	4.88E+07	1.27	Y	1.14	53.7	6587	0.0745
123789-HxCDF	39.64		1.0005	1.0004	-0.2	4.22E+07	1.27	Y	1.13	52	6587	0.0806
1234678-HpCDF	41.59		1.0004	1.0003	-0.2	4.57E+07	1.03	Y	1.34	55.3	4909	0.0552
1234789-HpCDF	43.45		1.0003	1.0003	0	3.86E+07	1.02	Y	1.30	53.5	4909	0.0663
OCDF	46.87		1.0004	1.0004	0	6.21E+07	0.90	Y	1.00	113	3080	0.0657

Name	Act RT		Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
ES 2378-TCDD	27.97		1.0268	1.0267	-0.2	7.24E+07	0.78	Y	1.01	92.4
ES 12378-PeCDD	34.15		1.2541	1.2535	-1.0	6.88E+07	1.53	Y	0.90	99
ES 123478-HxCDD	38.74		0.9910	0.9910	0	5.85E+07	1.18	Y	0.99	90.4
ES 123678-HxCDD	38.87		0.9944	0.9943	-0.2	5.37E+07	1.21	Y	1.02	80.5
ES 123789-HxCDD	39.21		1.0030	1.0030	0	6.26E+07	1.18	Y	1.12	86.1
ES 1234678-HpCDD	42.83		1.0959	1.0955	-0.9	5.63E+07	1.05	Y	0.90	95.5
ES OCDD	46.60		1.1930	1.1919	-2.6	7.99E+07	0.88	Y	0.74	82.7
ES 2378-TCDF	26.99		1.0586	1.0584	-0.3	1.12E+08	0.75	Y	1.05	87.9
ES 12378-PeCDF	32.44		1.2725	1.2719	-0.9	9.86E+07	1.59	Y	0.88	93.1
ES 23478-PeCDF	33.74		1.3237	1.3229	-1.2	1.02E+08	1.57	Y	0.91	93.4
ES 123478-HxCDF	37.58		0.9613	0.9613	0	7.29E+07	0.52	Y	1.25	89.5
ES 123678-HxCDF	37.75		0.9655	0.9656	+0.2	8.48E+07	0.52	Y	1.40	93
ES 234678-HxCDF	38.52		0.9853	0.9853	0	7.94E+07	0.54	Y	1.29	94.1
ES 123789-HxCDF	39.63		1.0136	1.0136	0	7.17E+07	0.50	Y	1.17	94.4
ES 1234678-HpCDF	41.57		1.0636	1.0634	-0.5	6.16E+07	0.44	Y	1.03	91.9
ES 1234789-HpCDF	43.44		1.1117	1.1111	-1.4	5.56E+07	0.45	Y	0.89	96.1
ES OCDF	46.85		1.1993	1.1983	-2.3	1.10E+08	0.91	Y	1.00	84.6

APPROVED

Analyt By Amy Boehm at 1:45 pm, Jul 22, 2013

Lab ID: OPR1_11123_DF

Acq'd: 18 Jul 2013 13:14 MDC

Wt/Vol: 1.00 g

ICAL: MM1_11012012A_DF_13FEB2013

Client ID: 0_11123_OPR001

UTP: 19-Jul-2013 13:26 MDC

J-level: 5 pg/g Split: 1

Checkcode: 735-510-RLX

Datafile: 130718P1-02

Report: 20 Jul 2013 09:56 MC

StdS (pg): JS: 100 ES: 100 CS/SS: 100, 40 (37Cl)

Name	Act RT	QC	Pred. RRT	Act. RRT	ΔSecs	Response	Ra	OK	RRF	Rec. %
JS 1234-TCDD	27.24		-	-	-	7.75E+07	0.81	Y	-	-
JS 1234-TCDF	25.50		-	-	-	1.20E+08	0.72	Y	-	-
JS 123467-HxCDD	39.10		-	-	-	3.26E+07	1.25	Y	-	-
CS 37Cl-2378-TCDD	27.99		1.0277	1.0276	-0.2	3.20E+07	n/a	-	1.10	94.1
CS 12347-PeCDD	33.56		1.2327	1.2321	-1.0	7.05E+07	1.58	Y	0.79	115
CS 12346-PeCDF	31.83		1.2486	1.2481	-0.8	1.04E+08	1.59	Y	0.87	99.3
CS 123469-HxCDF	38.11		0.9749	0.9749	0	7.85E+07	0.53	Y	1.21	99.5
CS 1234689-HpCDF	42.10		1.0773	1.0769	-0.9	5.65E+07	0.44	Y	0.89	96.9
SS 37Cl-2378-TCDD	27.99		1.0277	1.0276	-0.2	3.20E+07	n/a	-	1.09	102
SS 12347-PeCDD	33.56		1.2327	1.2321	-1.0	7.05E+07	1.58	Y	0.89	116
SS 12346-PeCDF	31.83		1.2486	1.2481	-0.8	1.04E+08	1.59	Y	0.99	106
SS 123469-HxCDF	38.11		0.9749	0.9749	0	7.85E+07	0.53	Y	0.87	107
SS 1234689-HpCDF	42.10		1.0773	1.0769	-0.9	5.65E+07	0.44	Y	0.87	105
AS 1368-TCDD	23.95		0.8792	0.8793	+0.2	7.32E+07	0.79	Y	1.00	94.7
AS 1368-TCDF	21.77		0.8532	0.8536	+0.6	1.23E+08	0.73	Y	1.20	84.9
FS 1278-TCDD	NotFnd		1.0133							
FS 12478-PeCDD	NotFnd		0.9580							
FS 123468-HxCDD	NotFnd		0.9680							
FS 1234679-HpCDD	NotFnd		0.9787							
TS 1378-TCDD	NotFnd		0.9341							

Totals	Conc	EMPC		
Total TCDD	43.4	43.4	* 37Cl correction has been applied to 2378-TCDD	
Total PeCDD	72.6	72.7	Original Values	Corrected Values
Total HxCDD	177	177	Ratio 0.79	0.79
Total HpCDD	61.7	61.7	Response 8.23E+06	8.21E+06
Total Tetra-Octa Dioxins	463	463		
Total TCDF	47.4	47.4		
Total PeCDF	130	130		
Total HxCDF	221	221		
Total HpCDF	110	110		
Total Tetra-Octa Furans	620	620		
Total Tetra-Octa Dioxins & Furans	1080	1080		

METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

NATIVE ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)		OK
2,3,7,8-TCDD	10	10.7	6.7	- 15.8	Y
1,2,3,7,8-PeCDD	50	52.8	35	- 71	Y
1,2,3,4,7,8-HxCDD	50	54.8	35	- 82	Y
1,2,3,6,7,8-HxCDD	50	59.5	38	- 67	Y
1,2,3,7,8,9-HxCDD	50	52.8	32	- 81	Y
1,2,3,4,6,7,8-HpCDD	50	52	35	- 70	Y
OCDD	100	108	78	- 144	Y
2,3,7,8-TCDF	10	11.9	7.5	- 15.8	Y
1,2,3,7,8-PeCDF	50	53.2	40	- 67	Y
2,3,4,7,8-PeCDF	50	55.4	34	- 80	Y
1,2,3,4,7,8-HxCDF	50	52.8	36	- 67	Y
1,2,3,6,7,8-HxCDF	50	52.2	42	- 65	Y
2,3,4,6,7,8-HxCDF	50	53.7	35	- 78	Y
1,2,3,7,8,9-HxCDF	50	52	39	- 65	Y
1,2,3,4,6,7,8-HpCDF	50	55.3	41	- 61	Y
1,2,3,4,7,8,9-HpCDF	50	53.5	39	- 69	Y
OCDF	100	113	63	- 170	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

METHOD 1613B

PCDD/F ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 VER Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

LABELED ANALYTES	SPIKE CONC.	CONC. FOUND	RANGE (ng/mL)			OK
13C-2,3,7,8-TCDD	100	92.4	20	-	175	Y
13C-1,2,3,7,8-PeCDD	100	99	21	-	227	Y
13C-1,2,3,4,7,8-HxCDD	100	90.4	21	-	193	Y
13C-1,2,3,6,7,8-HxCDD	100	80.5	25	-	163	Y
13C-1,2,3,7,8,9-HxCDD	100	86.1	26	-	166	Y
13C-1,2,3,4,6,7,8-HpCDD	100	95.5	26	-	166	Y
13C-OCDD	200	165	26	-	397	Y
13C-2,3,7,8-TCDF	100	87.9	22	-	152	Y
13C-1,2,3,7,8-PeCDF	100	93.1	21	-	192	Y
13C-2,3,4,7,8-PeCDF	100	93.4	13	-	328	Y
13C-1,2,3,4,7,8-HxCDF	100	89.5	19	-	202	Y
13C-1,2,3,6,7,8-HxCDF	100	93	21	-	159	Y
13C-2,3,4,6,7,8-HxCDF	100	94.1	22	-	176	Y
13C-1,2,3,7,8,9-HxCDF	100	94.4	17	-	205	Y
13C-1,2,3,4,6,7,8-HpCDF	100	91.9	21	-	158	Y
13C-1,2,3,4,7,8,9-HpCDF	100	96.1	20	-	186	Y
13C-OCDF	200	169	26	-	397	Y
CLEANUP STANDARD						
37Cl-2,3,7,8-TCDD	40	37.6	12.4	-	76.4	Y

Contract-required concentration limits for OPR as specified in Table 6,
 Method 1613. 10/94

Processed: 20 Jul 2013 09:56 Analyst: MC

METHOD 1613B**COLUMN PERFORMANCE AND RETENTION TIME WINDOWS****FORM CPSM**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM1_11012012A_DF_13FEB2013
 Instrument ID: MM1 GC Column ID: ZB-5ms
 CPSM Data Filename: 130718P1-02 Analysis Date: 18-JUL-2013 13:14:41
 Lab ID: OPR1_11123_DF

Window Defining Standards Results

First Eluting Isomer	RT	Last Eluting Isomer	RT
1368-TCDD	23.98	1289-TCDD	29.10
12479/12468-PeCDD	31.26	12389-PeCDD	34.68
124679/124689-HxCDD	36.75	123789-HxCDD	39.23
1234679-HpCDD	41.93	1234678-HpCDD	42.84
1368-TCDF	21.80	1289-TCDF	29.28
13468/12468-PeCDF	29.22	12389-PeCDF	35.01
123468-HxCDF	35.97	123789-HxCDF	39.64
1234678-HpCDF	41.59	1234789-HpCDF	43.45

Isomer Specificity Test Standard Results

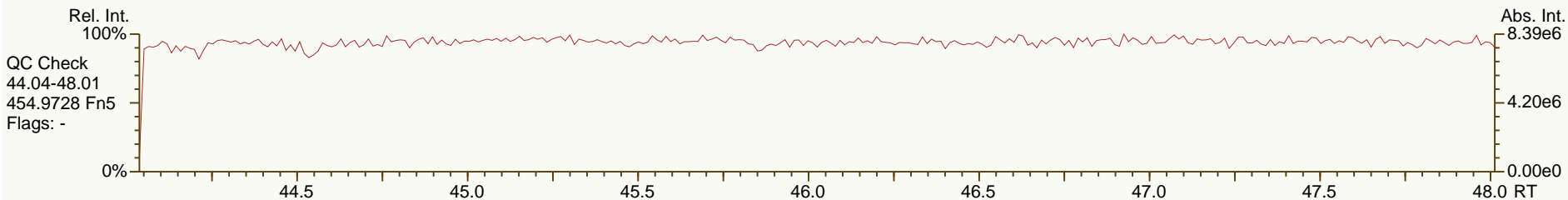
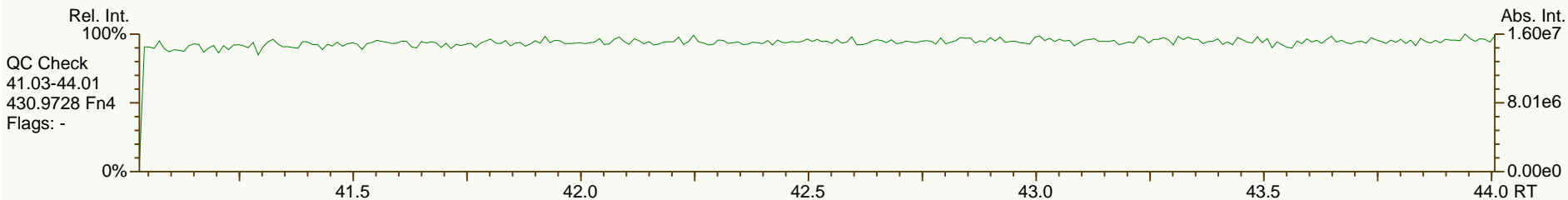
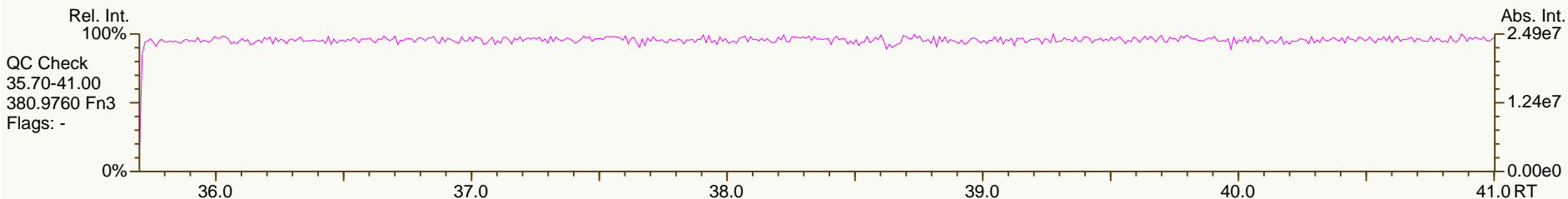
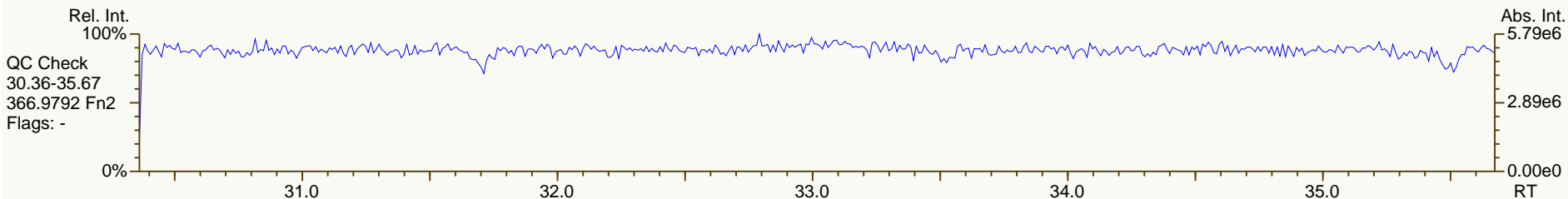
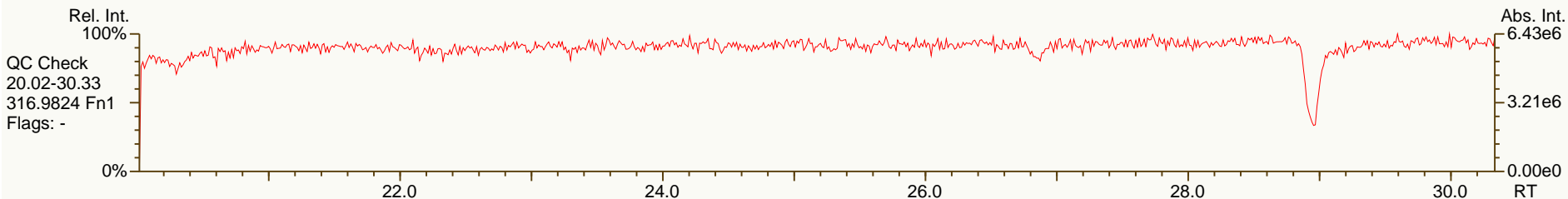
Closest Eluting Isomer	RT	2378 Specific Isomer	RT
1239-TCDD	27.82	2378-TCDD	27.99
2348-TCDF	26.90	2378-TCDF	27.02

Processed: 20 Jul 2013 09:56 Analyst: MC

SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

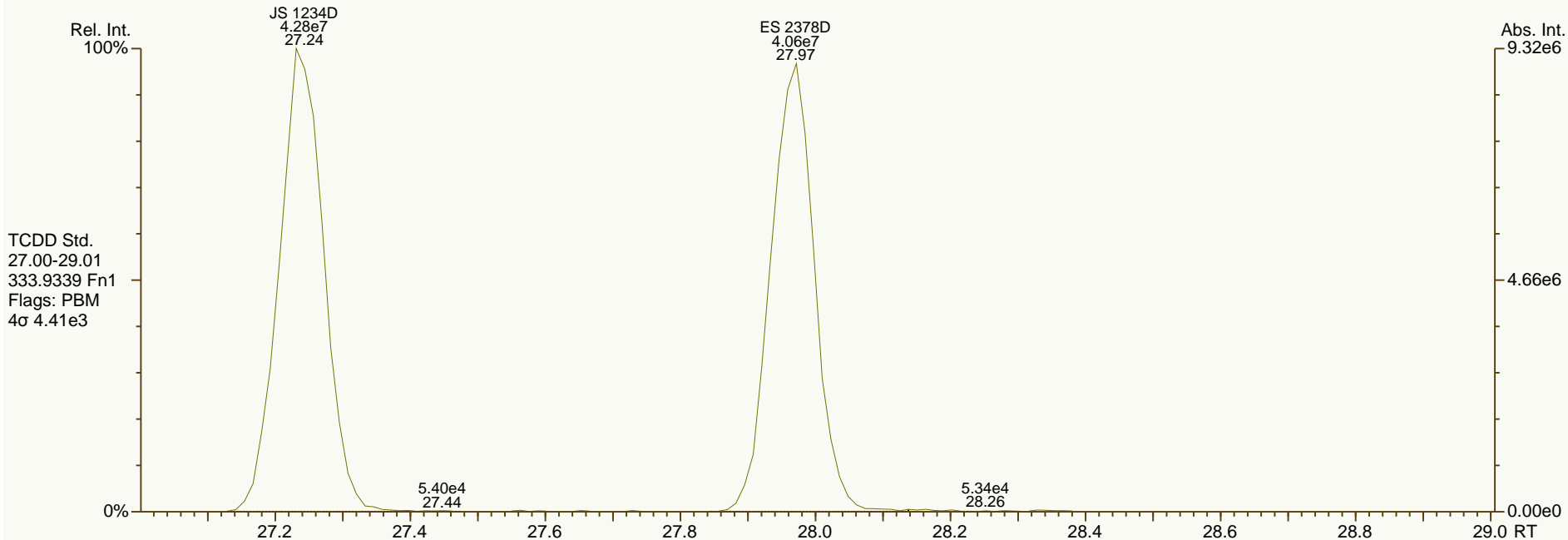
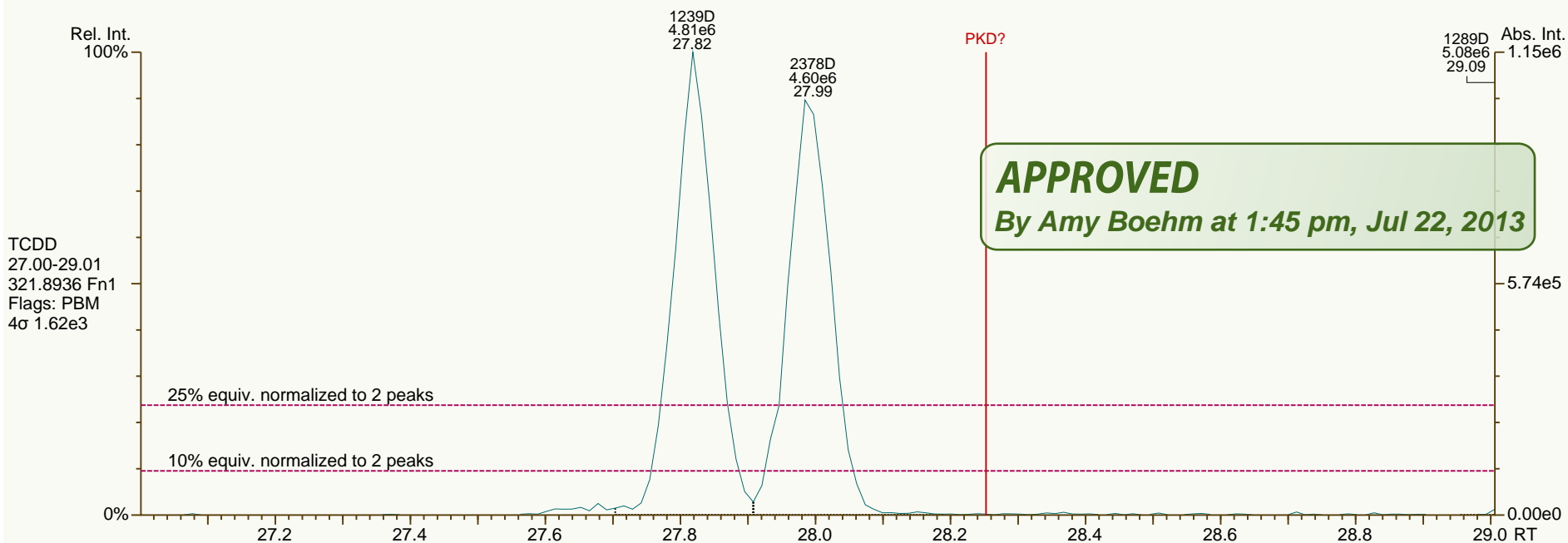
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

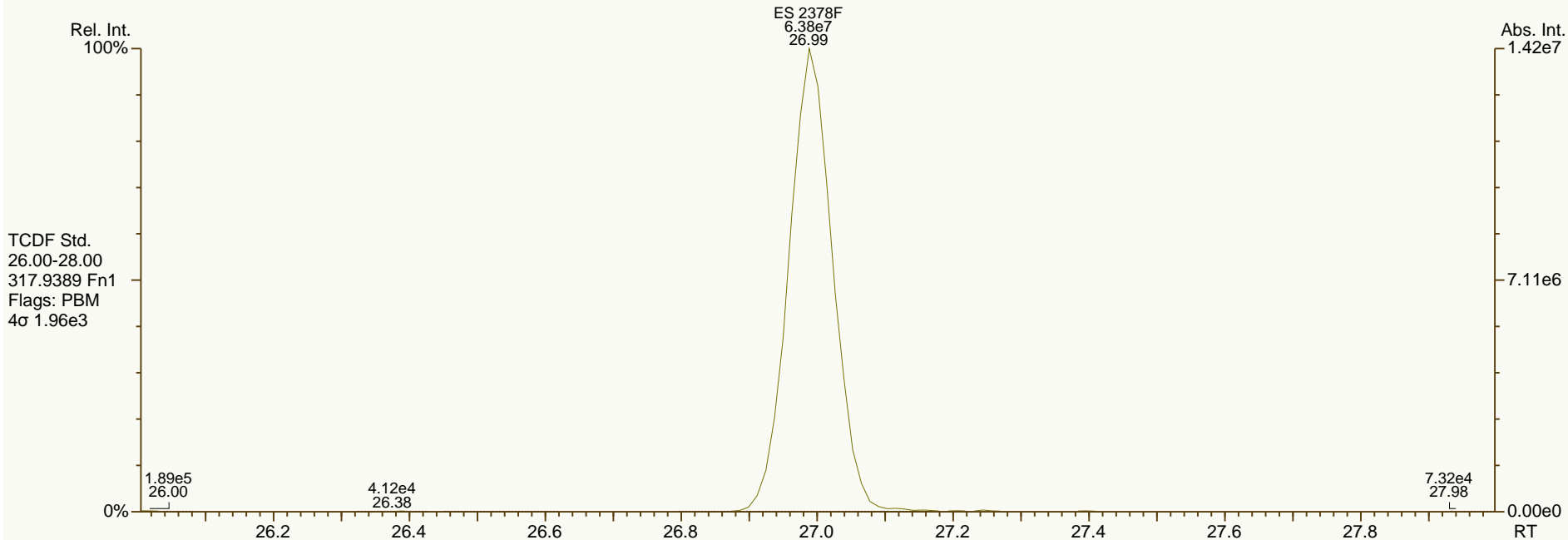
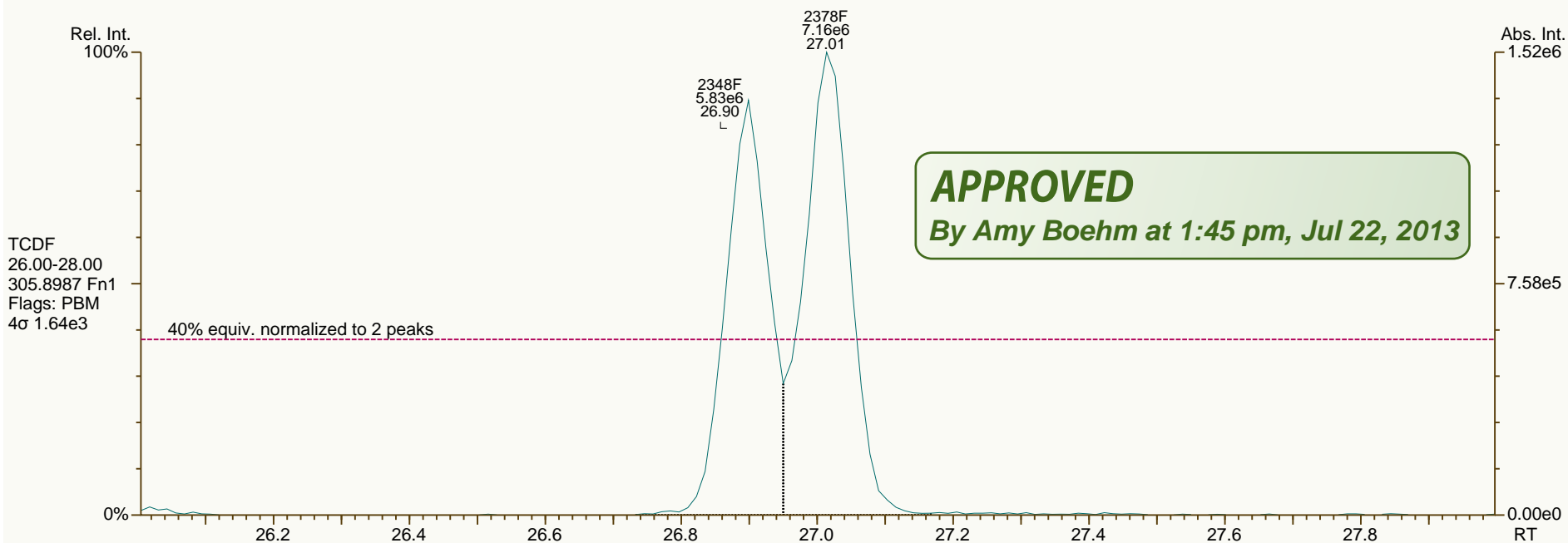
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

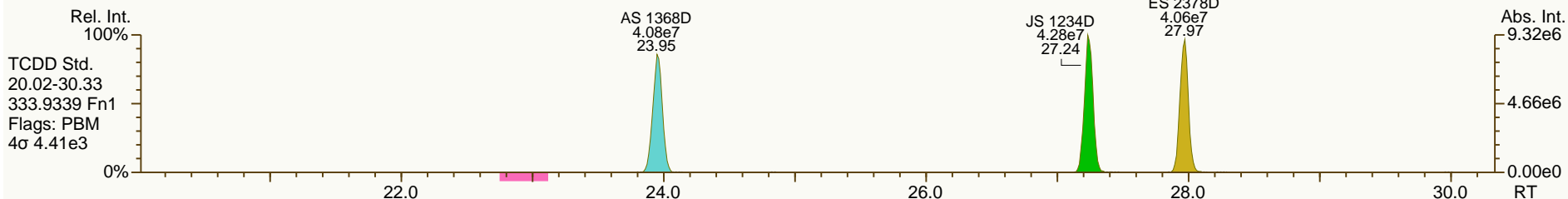
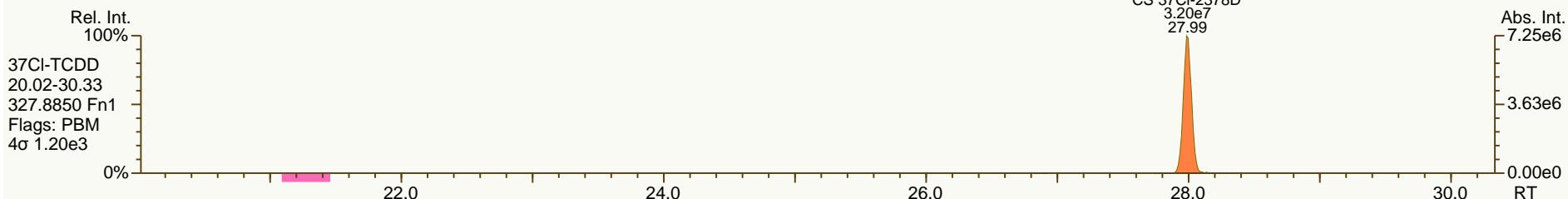
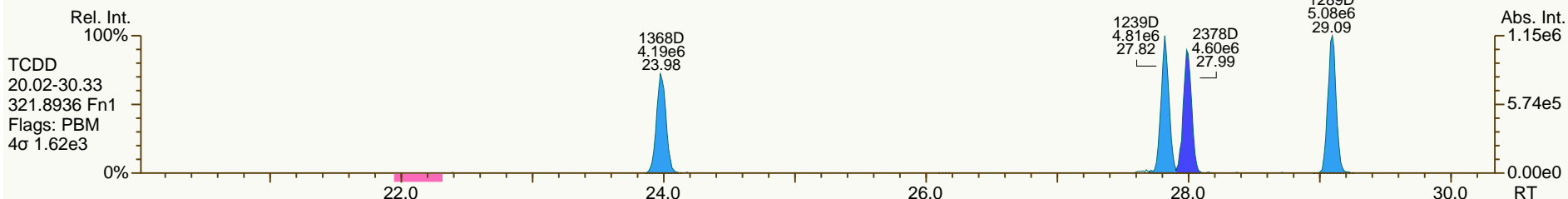
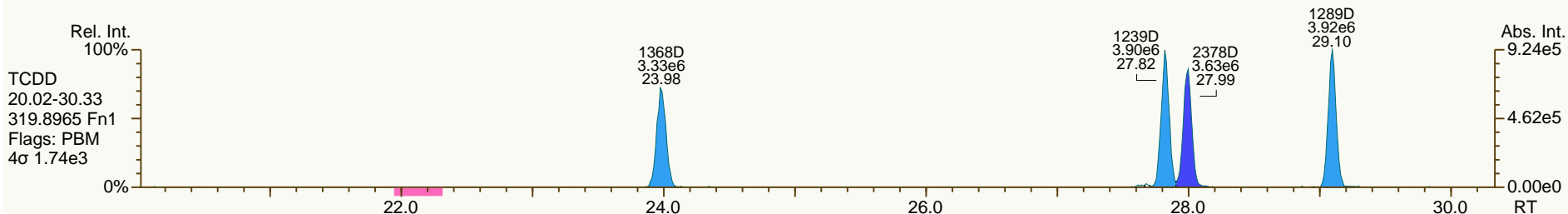
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SGS-AP ID: OPR1_11123_DF
Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

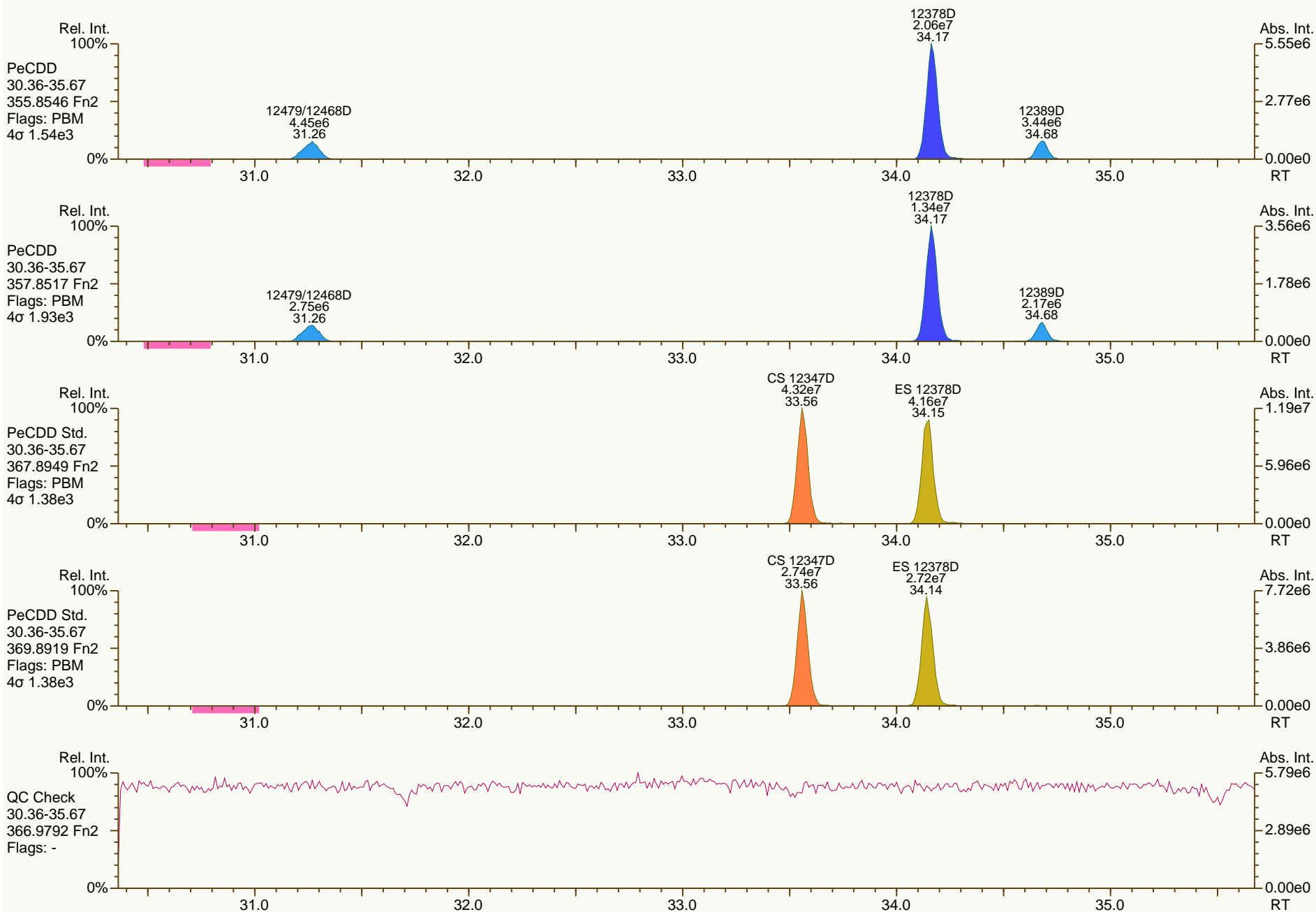
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

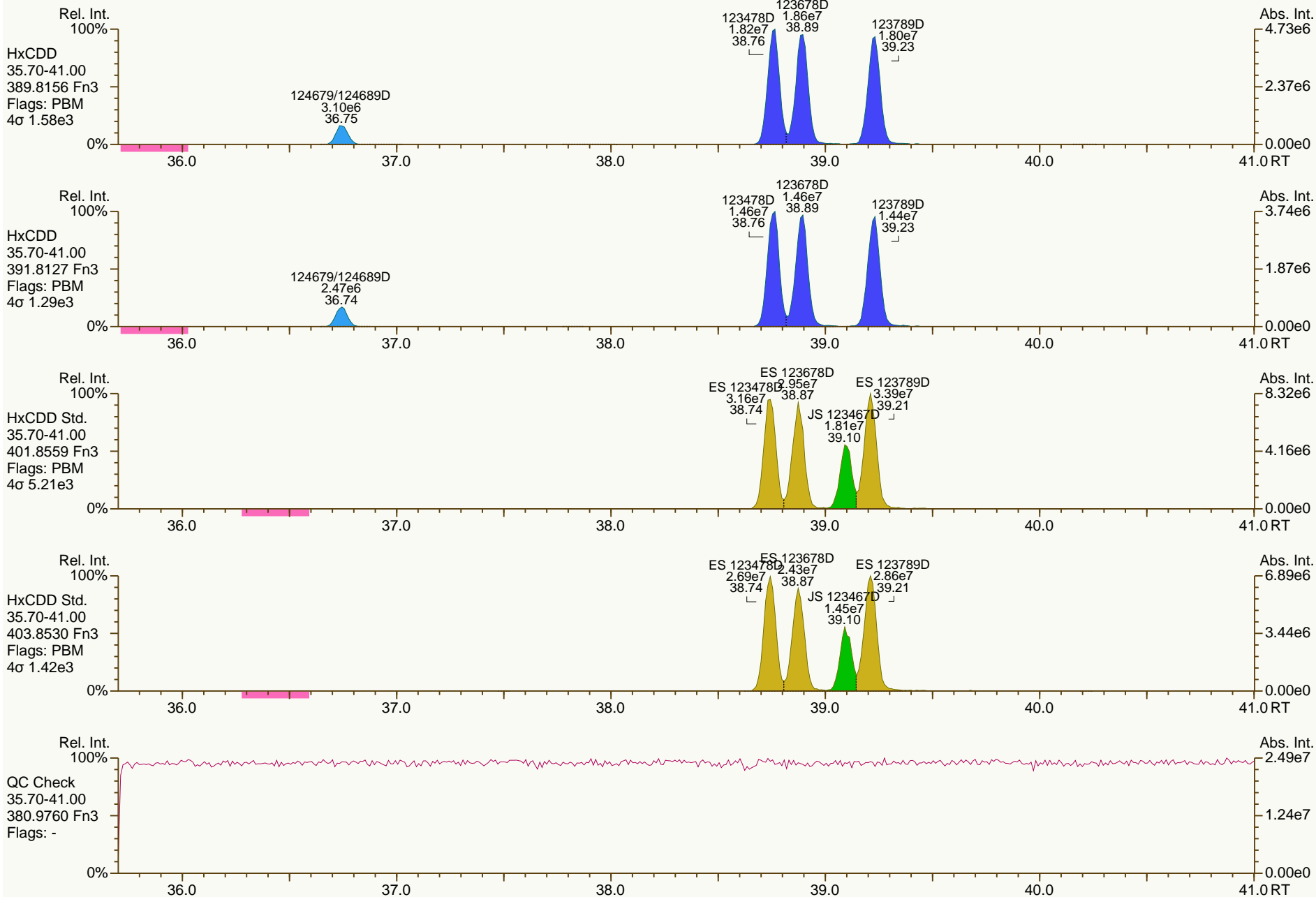
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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

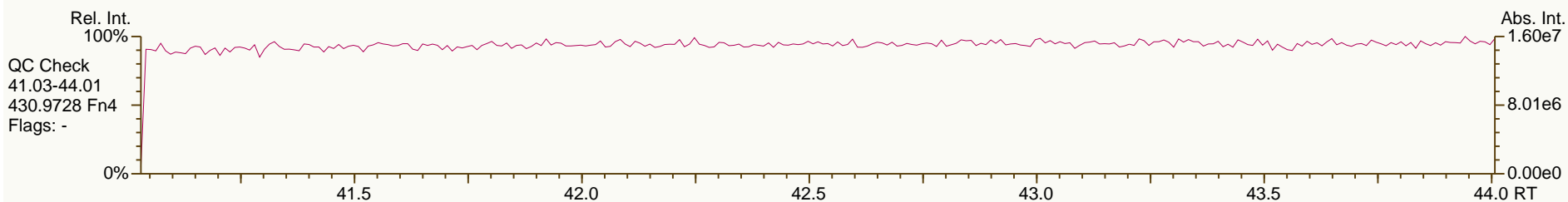
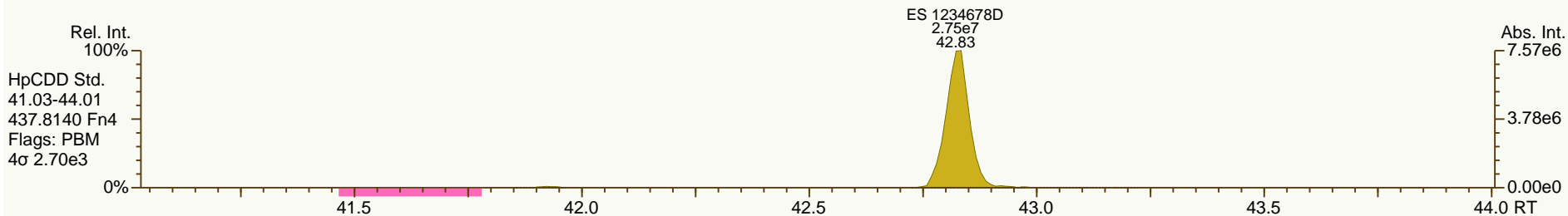
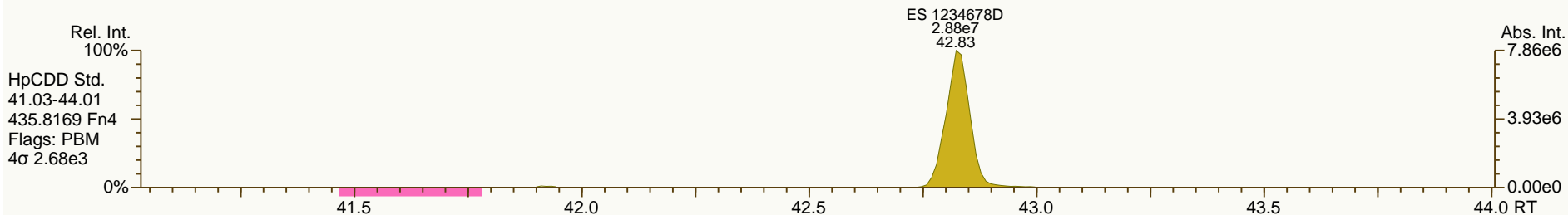
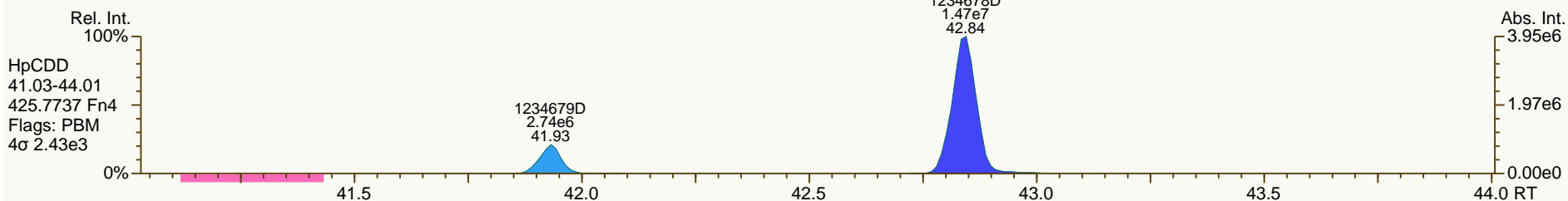
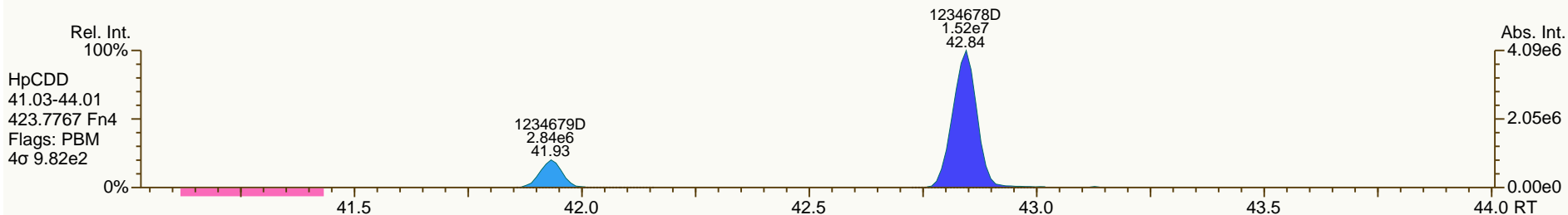
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

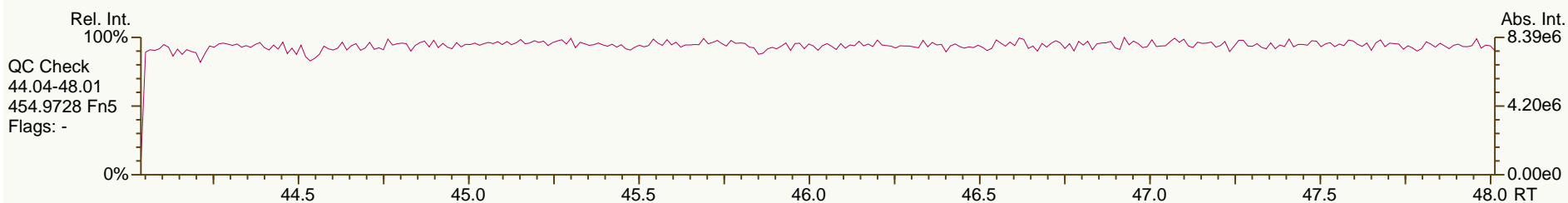
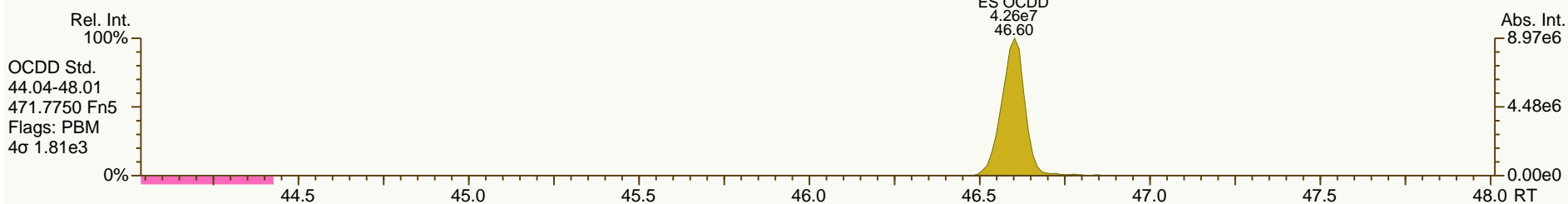
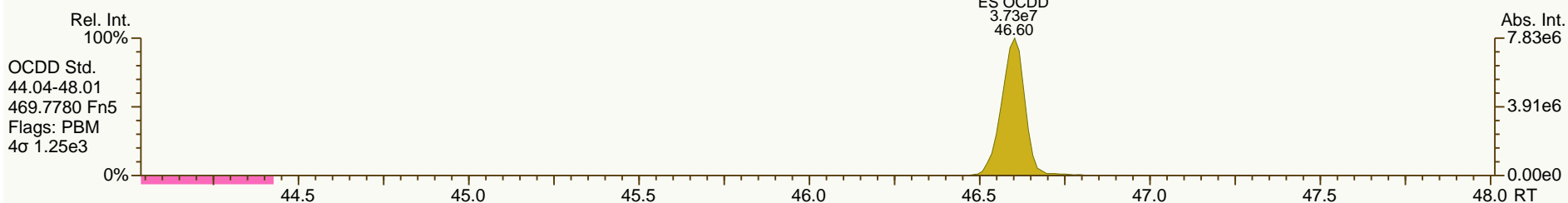
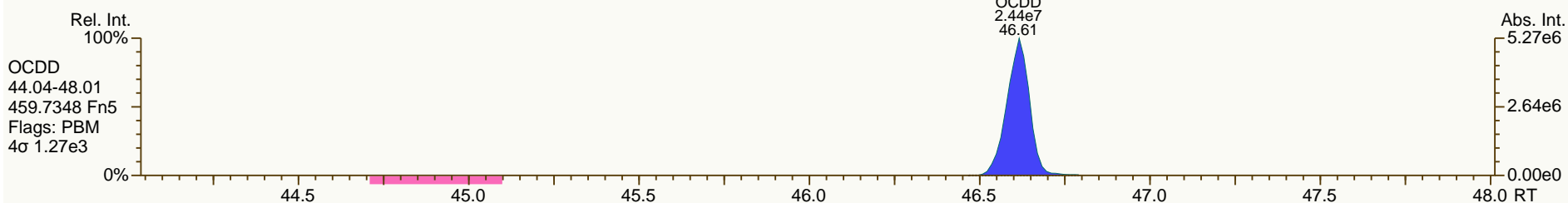
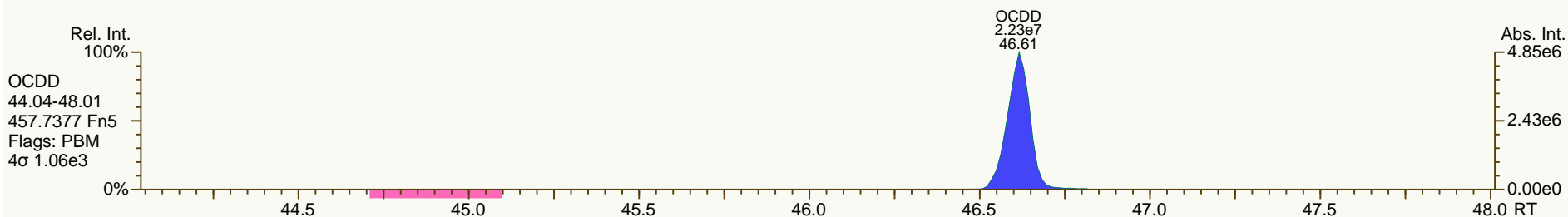
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SGS-AP ID: OPR1_11123_DF
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Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

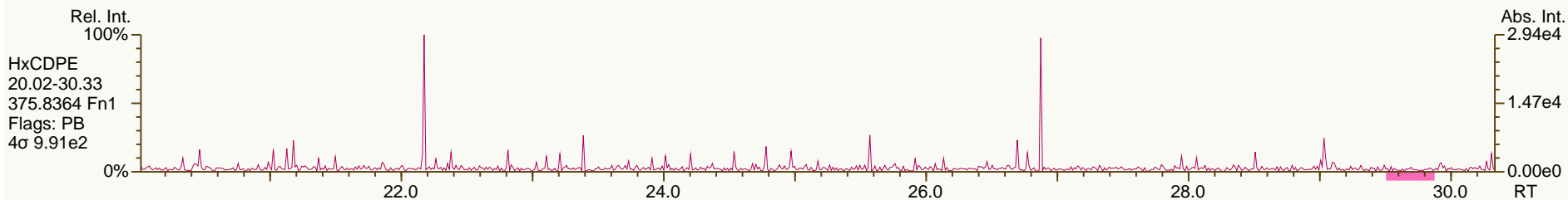
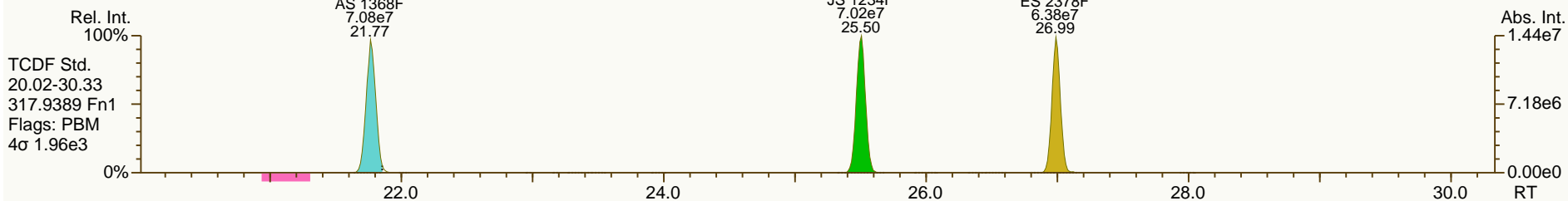
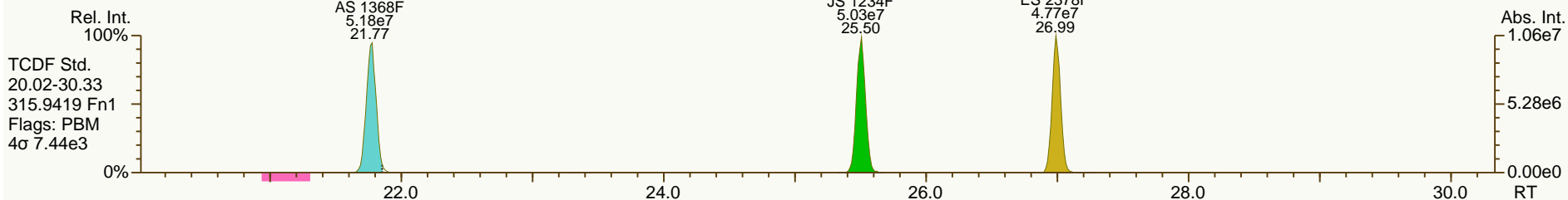
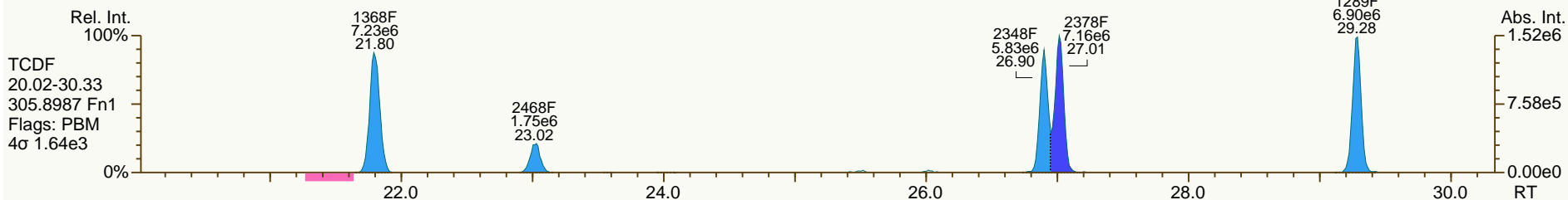
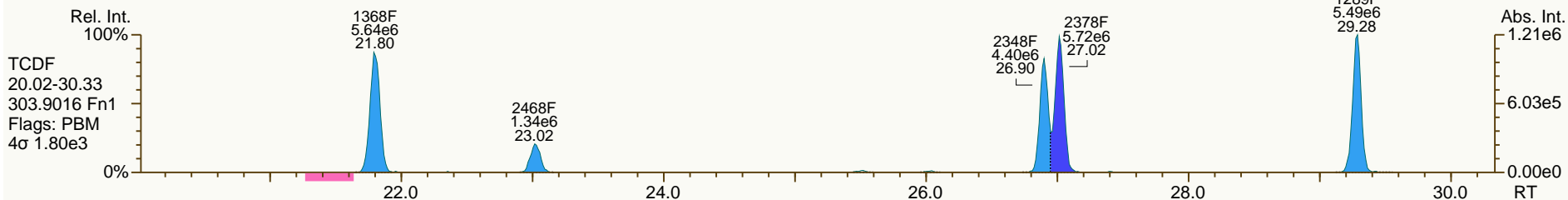
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

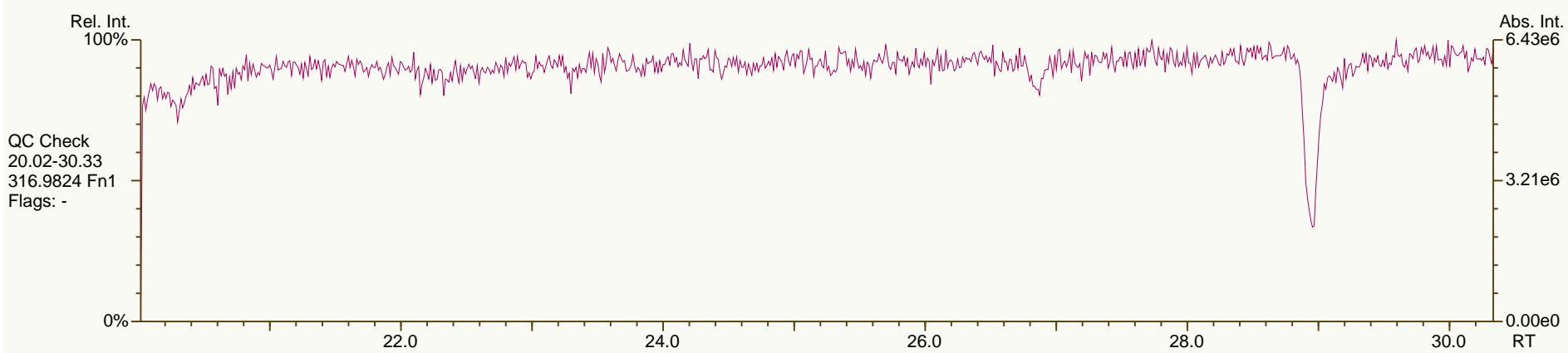
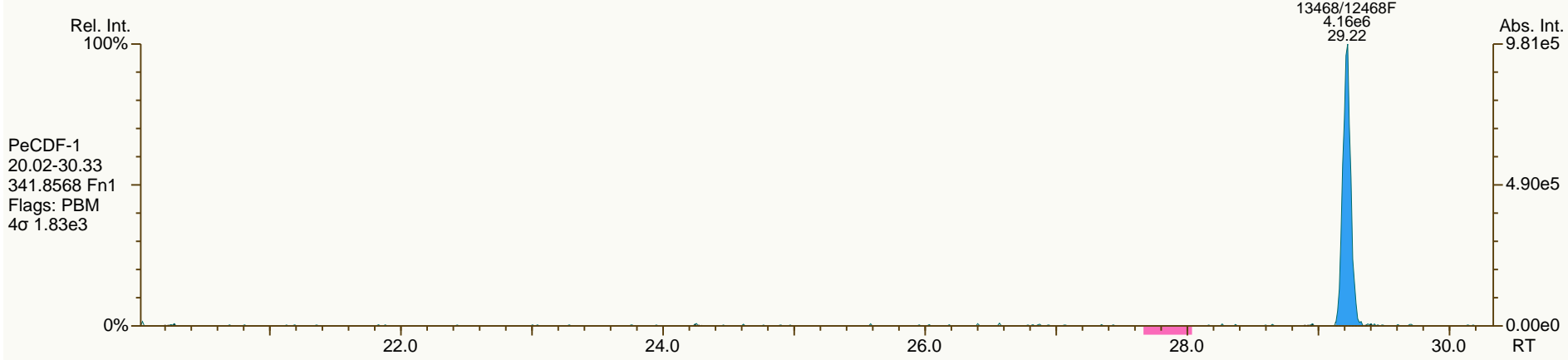
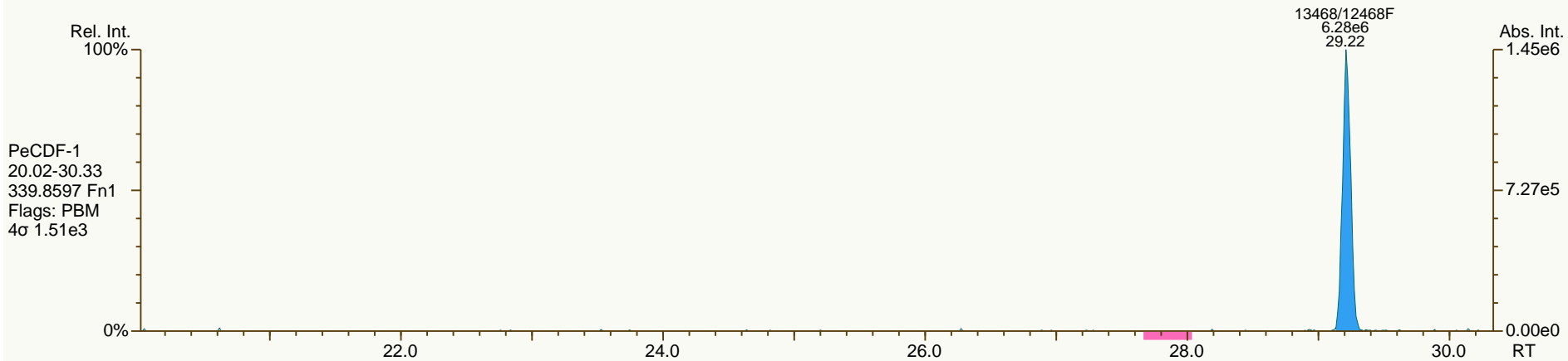
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SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

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 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

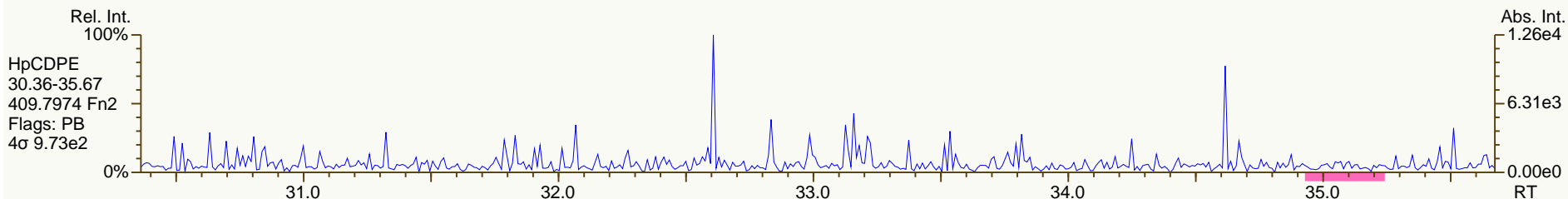
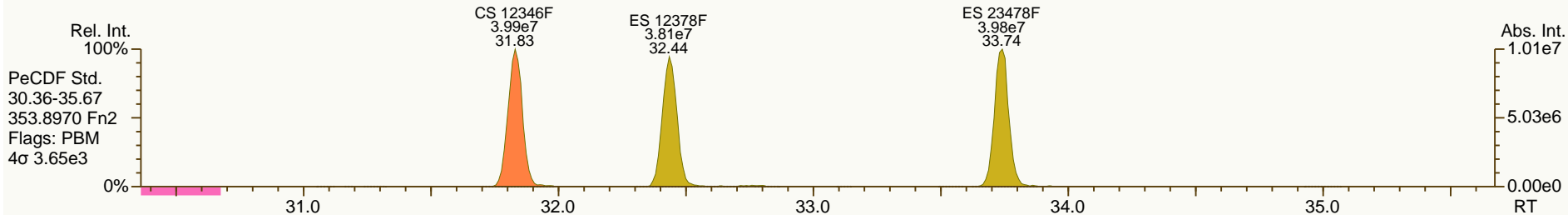
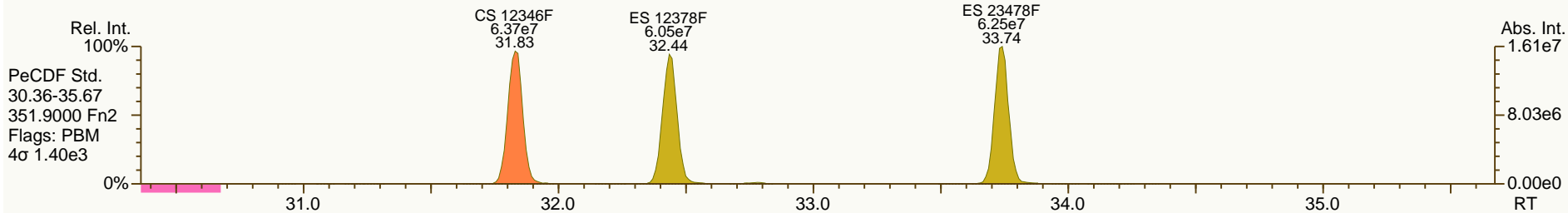
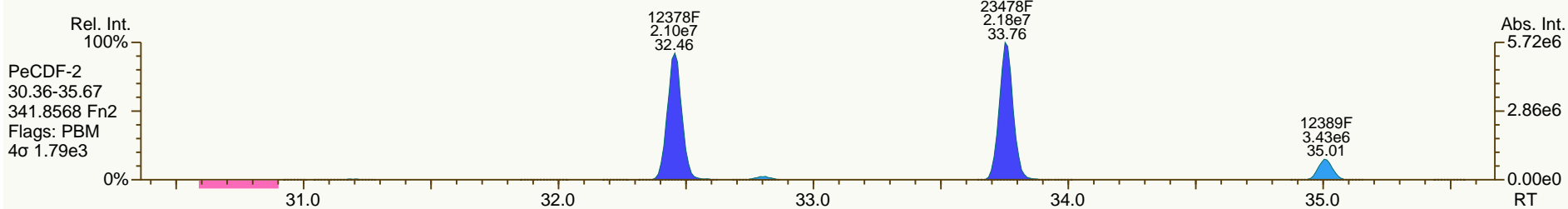
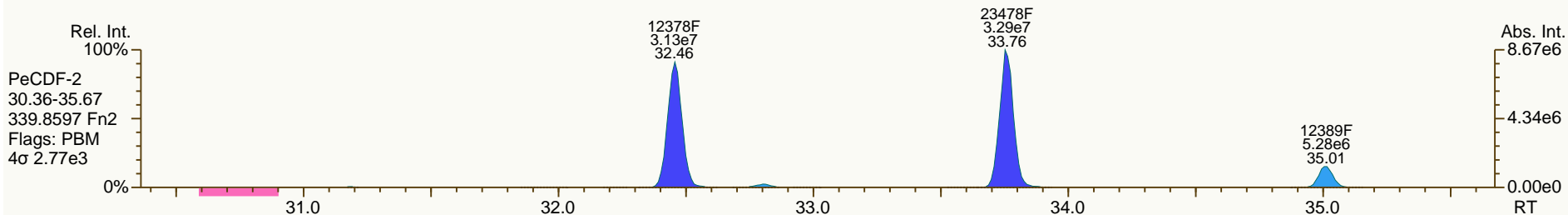
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SGS-AP ID: OPR1_11123_DF
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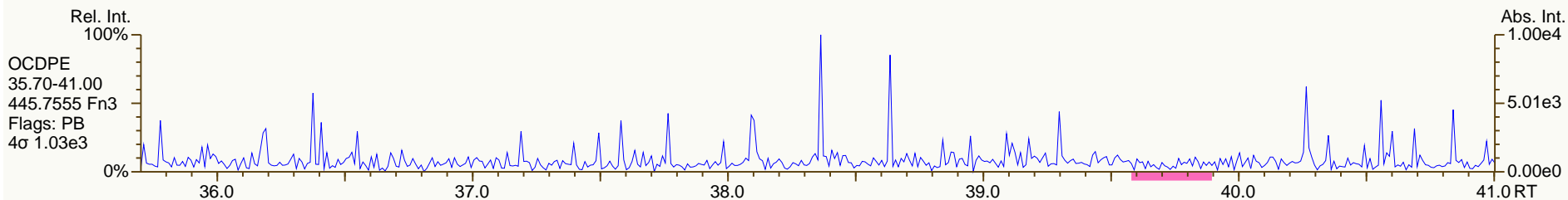
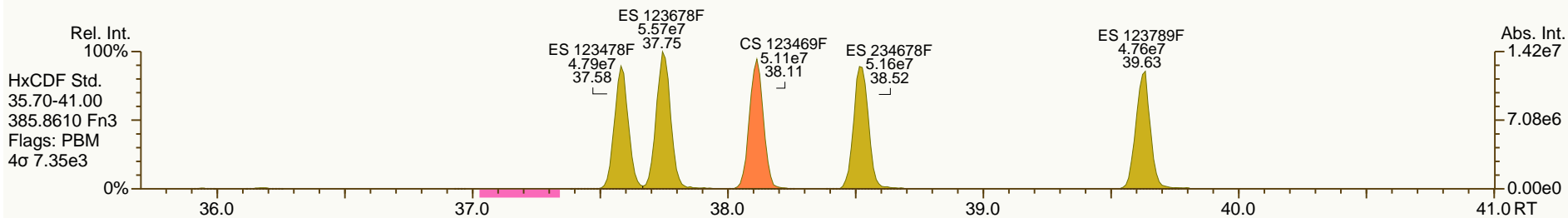
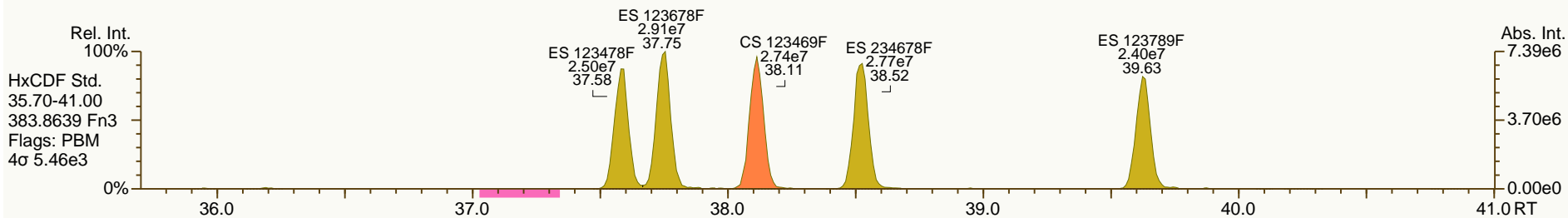
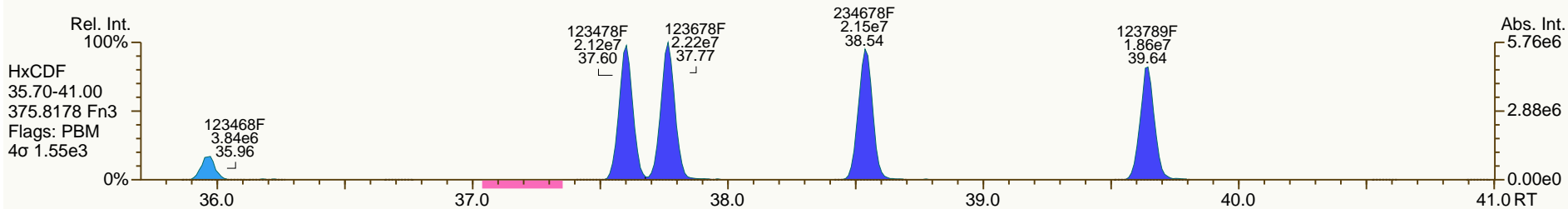
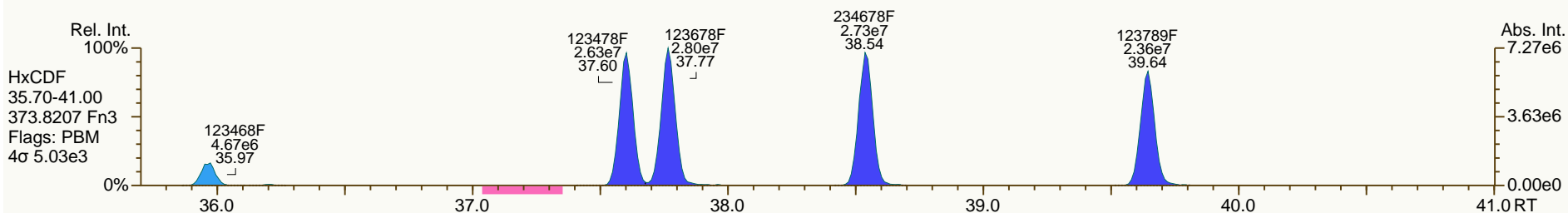
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 User: MDC Datafile: 130718P1-02



SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

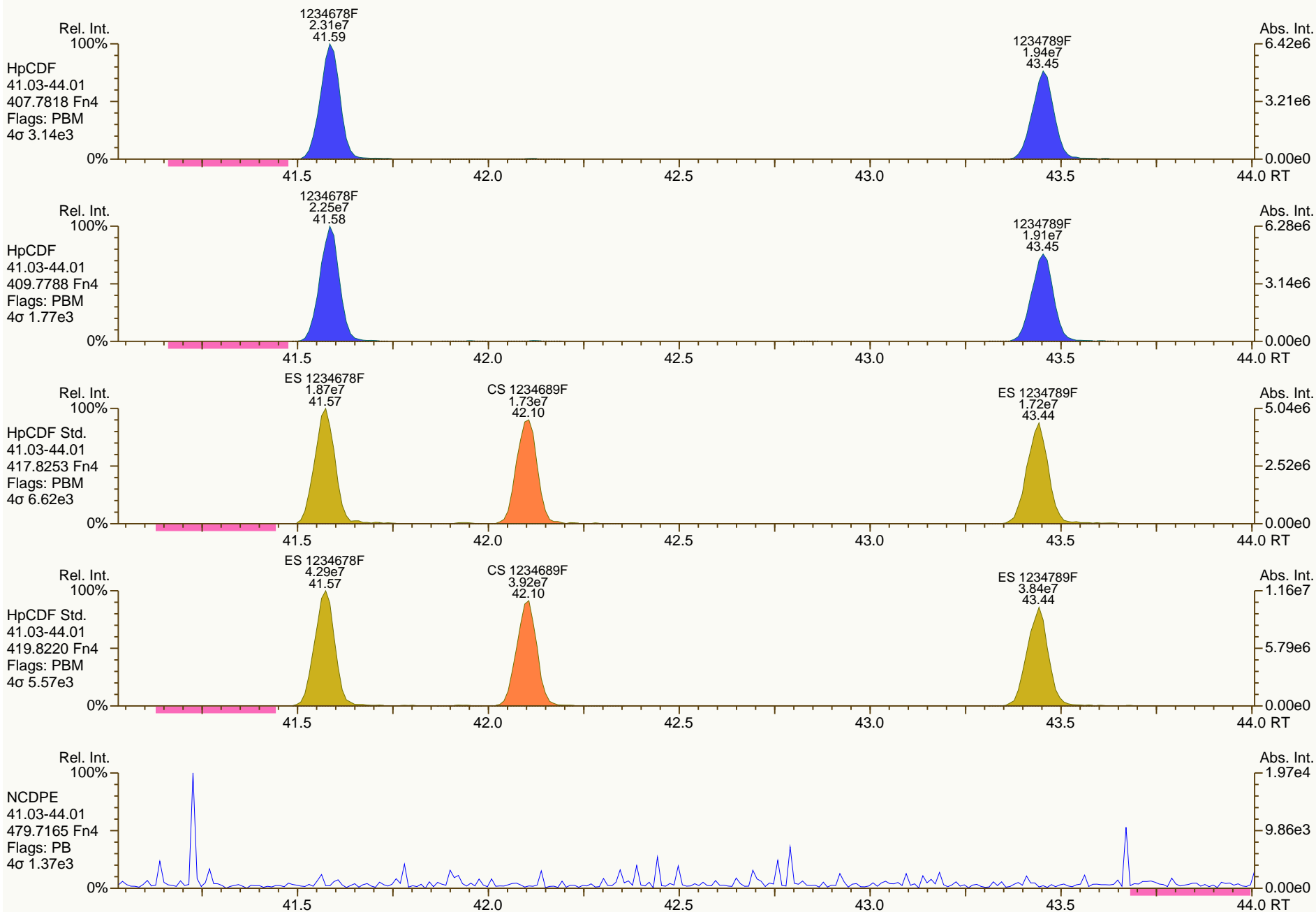
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 User: MDC Datafile: 130718P1-02



SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

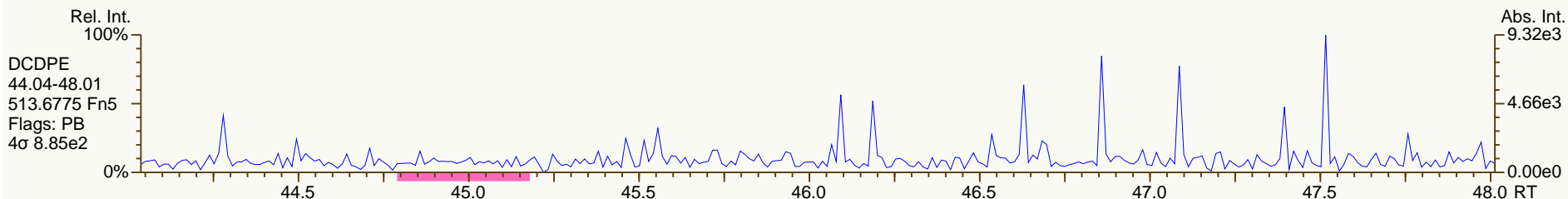
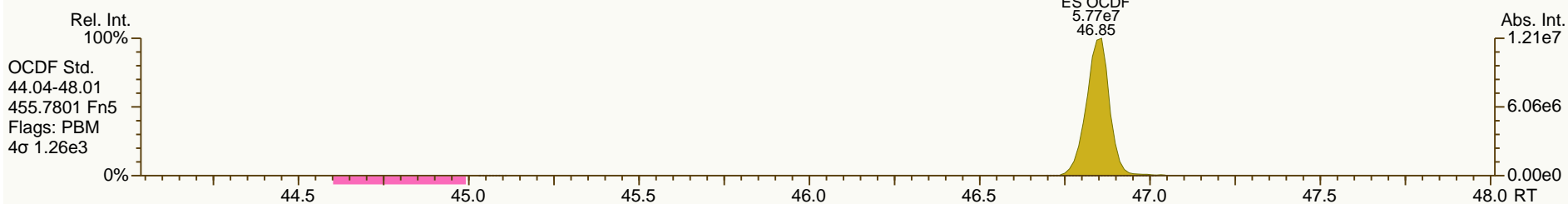
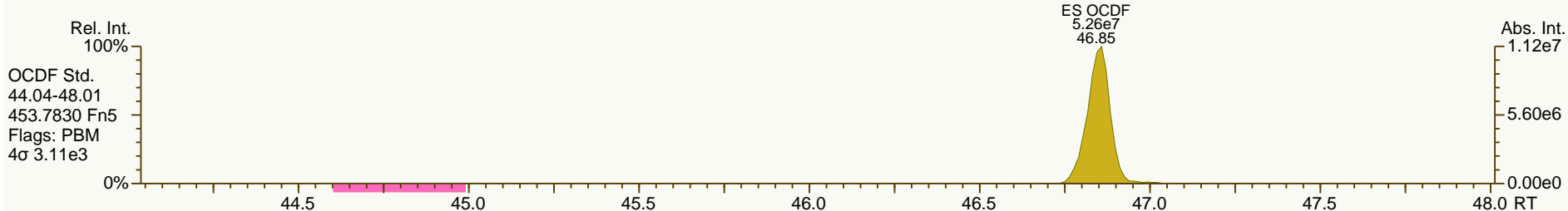
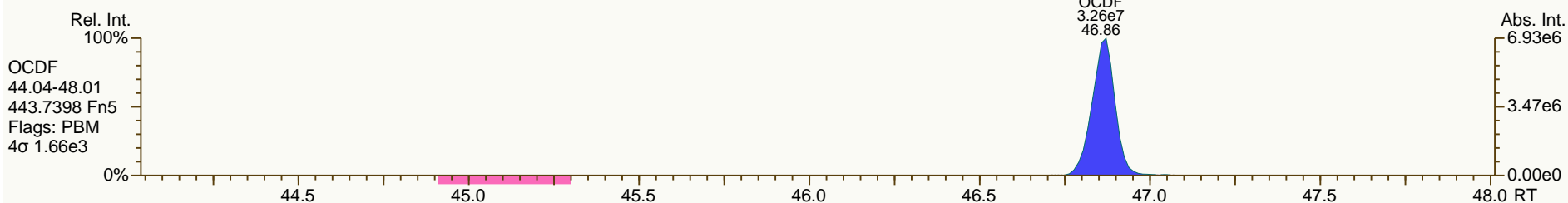
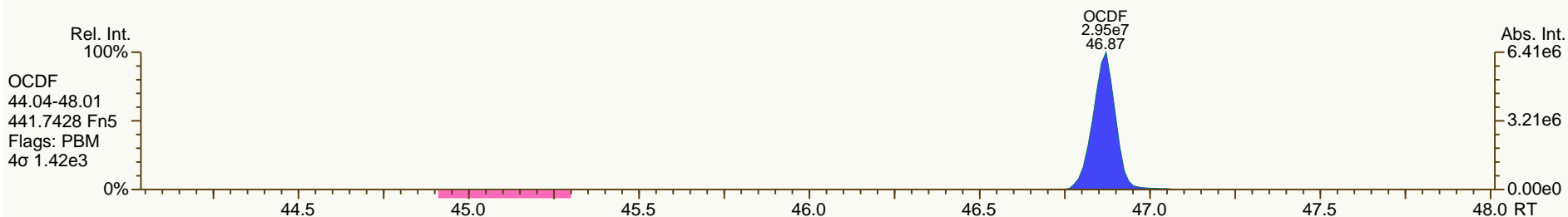
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 User: MDC Datafile: 130718P1-02



SGS-AP ID: OPR1_11123_DF
 Instr: AutoSpec-Ultima MM1

Sample ID: 0_11123_OPR001
 SIR EI+: DF_CL4-8 GC: DB5MS_60M Vial: 17

Acq: 18-JUL-2013 13:14:41
 User: MDC Datafile: 130718P1-02



Lab ID: OPR1_11123_PCB-RJ

ACQ: 19-Jul-2013 13:44:20 JLJ

Wt/Vol: 1 µL

ICAL: MM6_PCB_07132012_14DEC12 CS3_130719_PCB_VB

Client ID: 0_11123_OPR001

UTP: 23-Jul-2013 16:12 LKB

J-level: 10 pg/µL Split: 1

Checkcode: 844-282-FWM

Datafile: 130719V08

RPT: 23-Jul-2013 16:16 LB

Stds (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	30.58		1.0006	1.0006	0	1.77E+07	0.78	1.25	51.3	1.80E+04	0.575
PCB-81 344'5'-TeCB	30.09		1.0006	1.0005	-0.2	1.77E+07	0.77	1.26	53.3	1.80E+04	0.61
PCB-105 233'44'-PeCB	33.56		1.0007	1.0007	0	1.22E+07	0.62	1.06	55.1	5.25E+04	2.76
PCB-114 2344'5'-PeCB	33.00		1.0007	1.0007	0	1.34E+07	0.63	1.11	56.4	5.25E+04	2.62
PCB-118 23'44'5'-PeCB	32.54	B	1.0006	1.0007	+0.2	1.29E+07	0.63	1.08	53.9	5.25E+04	2.61
PCB-123 23'44'5'-PeCB	32.26		1.0007	1.0006	-0.2	1.38E+07	0.62	1.12	56.3	5.25E+04	2.4
PCB-126 33'44'5'-PeCB	36.16		1.0005	1.0005	0	1.19E+07	0.62	1.16	50.6	6.77E+03	0.327
PCB-156/157 ...-HxCB	38.71	C	1.0005	1.0005	0	2.12E+07	1.24	1.14	108	7.56E+03	0.67
PCB-167 23'44'55'-HxCB	37.73		1.0006	1.0006	0	1.22E+07	1.25	1.18	55.6	7.56E+03	0.399
PCB-169 33'44'55'-HxCB	41.44		1.0004	1.0003	-0.2	8.09E+06	1.25	1.15	54.6	7.56E+03	0.706
PCB-189 233'44'55'-HpCB	43.58		1.0004	1.0004	0	1.16E+07	1.05	1.12	51.8	4.87E+03	0.263
PCB-209 DeCB	48.57		1.0004	1.0004	0	7.66E+06	1.18	1.11	51.4	2.90E+03	0.248
ES PCB-1	10.53		0.7199	0.7198	-0.1	3.05E+07	3.20	0.97	69.1 %	30%	140%
ES PCB-3	12.58		0.8599	0.8599	0	2.94E+07	3.22	0.90	71.8 %	30%	140%
ES PCB-4	12.82		0.8759	0.8758	-0.1	2.73E+07	1.55	0.70	85.6 %	30%	140%
ES PCB-15	18.15		1.2402	1.2404	+0.2	3.87E+07	1.59	1.02	83.8 %	30%	140%
ES PCB-19	15.67		1.0705	1.0706	+0.1	2.22E+07	1.05	0.53	92.7 %	30%	140%
ES PCB-37	24.29		1.0842	1.0842	0	2.76E+07	1.10	1.29	76.5 %	30%	140%
ES PCB-54	18.42		0.8227	0.8224	-0.3	2.89E+07	0.77	1.43	72.6 %	30%	140%
ES PCB-77	30.56		1.3637	1.3640	+0.6	2.77E+07	0.82	1.20	82.5 %	30%	140%
ES PCB-81	30.08		1.3423	1.3426	+0.5	2.64E+07	0.81	1.16	81.6 %	30%	140%
ES PCB-104	23.23		0.8213	0.8210	-0.4	2.78E+07	1.58	1.70	74 %	30%	140%
ES PCB-105	33.53		1.1850	1.1851	+0.2	2.09E+07	1.58	1.10	86.6 %	30%	140%
ES PCB-114	32.98		1.1655	1.1656	+0.2	2.13E+07	1.60	1.16	83.7 %	30%	140%
ES PCB-118	32.52		1.1494	1.1494	0	2.22E+07	1.60	1.15	87.2 %	30%	140%
ES PCB-123	32.24		1.1395	1.1396	+0.2	2.19E+07	1.54	1.14	87.2 %	30%	140%
ES PCB-126	36.14		1.2773	1.2774	+0.2	2.04E+07	1.61	1.34	69.2 %	30%	140%
ES PCB-153	34.10		0.9698	0.9697	-0.2	2.27E+07	1.32	1.14	86.6 %	30%	140%
ES PCB-155	28.10		0.7993	0.7992	-0.2	3.00E+07	1.27	1.61	83.2 %	30%	140%
ES PCB-156/157	38.69		1.1005	1.1003	-0.5	3.44E+07	1.25	0.98	78.8 %	30%	140%
ES PCB-167	37.71		1.0723	1.0722	-0.2	1.86E+07	1.27	1.01	82.7 %	30%	140%
ES PCB-169	41.43		1.1782	1.1781	-0.2	1.29E+07	1.25	0.90	64.1 %	30%	140%
ES PCB-170	40.93		0.9030	0.9030	0	1.58E+07	1.06	1.28	92.5 %	30%	140%
ES PCB-180	39.85		0.8793	0.8792	-0.2	1.86E+07	1.08	1.54	92.2 %	30%	140%
ES PCB-188	32.96		0.7274	0.7273	-0.2	2.84E+07	1.02	1.63	78.3 %	30%	140%
ES PCB-189	43.56		0.9609	0.9610	+0.3	2.00E+07	1.02	1.97	76 %	30%	140%
ES PCB-202	37.51		0.8276	0.8275	-0.2	2.46E+07	0.88	1.26	87.4 %	30%	140%
ES PCB-205	45.72		1.0088	1.0087	-0.3	1.31E+07	0.90	1.22	80.2 %	30%	140%

APPROVED

By Amy Boehm at 1:33 pm, Jul 25, 2013

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
ES PCB-206	47.19		1.0413	1.0412	-0.3	1.20E+07	0.78	1.10	82 %	30%	140%
ES PCB-208	43.15		0.9520	0.9520	0	1.83E+07	0.78	1.41	97.5 %	30%	140%
ES PCB-209	48.55		1.0712	1.0712	0	1.34E+07	1.17	1.24	80.7 %	30%	140%
SS PCB-28	20.81		0.9292	0.9290	-0.2	3.33E+07	1.10	1.18	103 %	40%	125%
SS PCB-111	30.57		1.0805	1.0805	0	2.50E+07	1.55	1.01	114 %	40%	125%
SS PCB-178	35.54		1.0107	1.0106	-0.2	1.89E+07	1.04	0.60	110 %	40%	125%
CS PCB-28	20.81		0.9292	0.9290	-0.2	3.33E+07	1.10	1.52	78.4 %	40%	125%
CS PCB-111	30.57		1.0805	1.0805	0	2.50E+07	1.55	1.15	99.1 %	40%	125%
CS PCB-178	35.54		1.0107	1.0106	-0.2	1.89E+07	1.04	0.98	86.2 %	40%	125%
JS PCB-9	14.63					4.55E+07	1.62				
JS PCB-52	22.40					2.79E+07	0.79				
JS PCB-101	28.29					2.20E+07	1.59				
JS PCB-138	35.17					2.23E+07	1.28				
JS PCB-194	45.33					1.34E+07	0.91				
Totals						NON-EMPC	EMPC	DL			
Mono-CBs						163	163	0.12			
Di-CBs						657	657	0.271			
Tri-CBs						1,320	1,320	0.239			
Tetra-CBs						2,360	2,360	0.34			
Penta-CBs						2,560	2,560	1.8			
Hexa-CBs						2,390	2,390	0.472			
Hepta-CBs						1,350	1,350	0.357			
Octa-CBs						681	681	0.236			
Nona-CBs						160	160	0.281			
PCB-1 2-MoCB	10.54	B	1.0011	1.0011	0	2.02E+07	3.02	1.25	53	6.48E+03	0.107
PCB-2 3-MoCB	12.43	B	0.9877	0.9877	0	2.07E+07	3.13	1.26	55.8	6.48E+03	0.134
PCB-3 4-MoCB	12.60	B	1.0010	1.0010	0	2.01E+07	3.05	1.27	54	6.48E+03	0.133
PCB-4 22'-DiCB	12.83	B	1.0011	1.0011	0	1.33E+07	1.52	0.90	54.1	8.20E+03	0.252
PCB-10 26-DiCB	12.99		1.0136	1.0136	0	2.11E+07	1.55	1.40	55.4	8.20E+03	0.161
PCB-9 25-DiCB	14.65		1.0010	1.0010	0	2.01E+07	1.55	1.00	51.8	1.28E+04	0.318
PCB-7 24-DiCB	14.80		1.0113	1.0113	0	2.27E+07	1.55	1.12	52.1	1.28E+04	0.284
PCB-6 23'-DiCB	15.02		1.0261	1.0262	+0.1	2.15E+07	1.55	1.03	54	1.28E+04	0.31
PCB-5 23-DiCB	15.30		1.0452	1.0453	+0.1	2.25E+07	1.51	1.05	55.5	1.28E+04	0.305
PCB-8 24'-DiCB	15.41	B	1.0529	1.0529	0	2.33E+07	1.54	1.06	57.1	1.28E+04	0.302
PCB-14 35-DiCB	16.87		0.9293	0.9292	-0.1	2.75E+07	1.55	1.22	58.3	1.28E+04	0.262
PCB-11 33'-DiCB	17.62	B	0.9704	0.9705	+0.1	2.20E+07	1.53	0.98	58.2	1.28E+04	0.327
PCB-13/12 34'/34-DiCB	17.89	C	0.9857	0.9857	0	4.18E+07	1.54	0.98	110	1.28E+04	0.325
PCB-15 44'-DiCB	18.17		1.0007	1.0008	+0.1	2.14E+07	1.53	1.10	50.4	1.28E+04	0.291

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-19 22'6-TrCB	15.68		1.0011	1.0011	0	1.13E+07	1.05	0.95	54	5.61E+03	0.236
PCB-30/18 246/22'5-TrCB	17.33	B C	1.1064	1.1065	+0.1	3.00E+07	1.05	1.22	110	5.61E+03	0.183
PCB-17 22'4-TrCB	17.72	B	1.1310	1.1312	+0.2	1.35E+07	1.06	1.05	57.5	5.61E+03	0.212
PCB-27 23'6-TrCB	17.91		1.1432	1.1434	+0.2	1.76E+07	1.03	1.39	57.2	5.61E+03	0.161
PCB-24 236-TrCB	18.03		1.1508	1.1510	+0.2	1.73E+07	1.03	1.36	57.3	5.61E+03	0.164
PCB-16 22'3-TrCB	18.13	B	1.1572	1.1572	0	1.08E+07	1.05	0.82	59.1	5.61E+03	0.273
PCB-32 24'6-TrCB	18.59	B	1.1862	1.1864	+0.2	1.92E+07	1.05	1.47	58.6	5.61E+03	0.152
PCB-34 23'5'-TrCB	19.69		0.8109	0.8107	-0.2	2.23E+07	1.04	1.53	52.7	8.71E+03	0.219
PCB-23 235-TrCB	19.83		0.8166	0.8163	-0.4	2.42E+07	1.03	1.58	55.3	8.71E+03	0.212
PCB-26/29 23'5/245-TrCB	20.11	B C	0.8281	0.8278	-0.4	4.53E+07	1.05	1.56	106	8.71E+03	0.216
PCB-25 23'4-TrCB	20.30		0.8361	0.8359	-0.2	2.32E+07	1.05	1.59	52.8	8.71E+03	0.211
PCB-31 24'5-TrCB	20.57	B	0.8472	0.8470	-0.2	2.34E+07	1.03	1.62	52.2	8.71E+03	0.207
PCB-28/20 244'/233'-TrCB	20.84	B C	0.8585	0.8582	-0.4	4.50E+07	1.03	1.51	108	8.71E+03	0.222
PCB-21/33 234/23'4'-TrCB	21.02	B C	0.8655	0.8652	-0.4	4.71E+07	1.03	1.58	108	8.71E+03	0.213
PCB-22 234'-TrCB	21.39	B	0.8807	0.8805	-0.3	2.24E+07	1.04	1.45	56.3	8.71E+03	0.232
PCB-36 33'5-TrCB	22.73		0.9360	0.9359	-0.1	2.42E+07	1.04	1.55	56.6	8.71E+03	0.217
PCB-39 34'5-TrCB	23.05		0.9489	0.9489	0	2.41E+07	1.03	1.53	57	8.71E+03	0.219
PCB-38 345-TrCB	23.56		0.9699	0.9698	-0.1	2.24E+07	1.03	1.46	55.8	8.71E+03	0.23
PCB-35 33'4-TrCB	23.95		0.9862	0.9861	-0.1	2.02E+07	1.02	1.31	55.9	8.71E+03	0.256
PCB-37 344'-TrCB	24.31		1.0008	1.0008	0	2.08E+07	1.03	1.39	54.2	8.71E+03	0.242
PCB-54 22'66'-TeCB	18.44		1.0010	1.0010	0	1.71E+07	0.80	1.05	56.2	4.61E+03	0.148
PCB-50/53 22'46/22'56'-TeCB	20.35	C	0.9085	0.9083	-0.2	2.53E+07	0.77	0.90	107	3.75E+03	0.178
PCB-45 22'36-TeCB	20.92		0.9341	0.9337	-0.5	1.07E+07	0.78	0.84	48.2	3.75E+03	0.191
PCB-51 22'46'-TeCB	20.99		0.9371	0.9368	-0.4	1.34E+07	0.79	0.86	59.3	3.75E+03	0.186
PCB-46 22'36'-TeCB	21.20		0.9464	0.9462	-0.3	1.08E+07	0.77	0.73	55.8	3.75E+03	0.218
PCB-52 22'55'-TeCB	22.42	B	1.0009	1.0009	0	1.26E+07	0.77	0.85	56.3	3.75E+03	0.188
PCB-73 23'5'6-TeCB	22.55		1.0064	1.0065	+0.1	1.72E+07	0.77	1.15	56.8	3.75E+03	0.139
PCB-43 22'35-TeCB	22.64		1.0104	1.0104	0	1.06E+07	0.77	0.74	54.2	3.75E+03	0.216
PCB-69/49 23'46/22'45'-TeCB	22.82	B C	1.0189	1.0188	-0.1	3.14E+07	0.77	1.03	115	3.75E+03	0.154
PCB-48 22'45-TeCB	23.10		1.0310	1.0310	0	1.30E+07	0.76	0.85	57.4	3.75E+03	0.187
PCB-44/47/65 ...-TeCB	23.31	B C	1.0404	1.0404	0	4.18E+07	0.78	0.91	175	3.75E+03	0.176
PCB-59/62/75 ...-TeCB	23.57	C	1.0523	1.0523	0	5.20E+07	0.77	1.15	171	3.75E+03	0.139
PCB-42 22'34'-TeCB	23.75		1.0599	1.0599	0	1.21E+07	0.76	0.82	55.9	3.75E+03	0.196
PCB-41 22'34-TeCB	24.07		1.0744	1.0745	+0.1	1.14E+07	0.75	0.70	61.4	3.75E+03	0.227
PCB-71/40 23'4'6/22'33'-TeCB	24.17	C	1.0789	1.0789	0	2.61E+07	0.77	0.88	112	3.75E+03	0.182
PCB-64 234'6-TeCB	24.36	B	1.0874	1.0875	+0.1	1.88E+07	0.78	1.24	57.2	3.75E+03	0.129
PCB-72 23'55'-TeCB	25.07		0.8337	0.8336	-0.2	2.03E+07	0.78	1.37	55.9	1.80E+04	0.559
PCB-68 23'45'-TeCB	25.32		0.8420	0.8419	-0.2	2.28E+07	0.78	1.44	60	1.80E+04	0.534
PCB-57 233'5-TeCB	25.69		0.8541	0.8540	-0.2	1.92E+07	0.76	1.30	56.1	1.80E+04	0.592
PCB-58 233'5'-TeCB	25.89		0.8609	0.8609	0	2.02E+07	0.78	1.29	59.3	1.80E+04	0.595
PCB-67 23'45-TeCB	26.04		0.8657	0.8657	0	2.25E+07	0.79	1.38	61.7	1.80E+04	0.555
PCB-63 234'5-TeCB	26.26		0.8733	0.8732	-0.2	2.18E+07	0.78	1.43	57.9	1.80E+04	0.538
PCB-61/70/74/76 ...-TeCB	26.55	B C	0.8827	0.8827	0	7.69E+07	0.77	1.34	218	1.80E+04	0.575
PCB-66 23'44'-TeCB	26.83	B	0.8922	0.8921	-0.2	1.78E+07	0.78	1.22	55.3	1.80E+04	0.629
PCB-55 233'4-TeCB	26.98		0.8969	0.8969	0	1.94E+07	0.78	1.27	57.9	1.80E+04	0.604

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-56 233'4'-TeCB	27.41		0.9114	0.9114	0	1.77E+07	0.78	1.23	54.6	1.80E+04	0.625
PCB-60 2344'-TeCB	27.60		0.9175	0.9175	0	1.83E+07	0.77	1.24	55.7	1.80E+04	0.617
PCB-80 33'55'-TeCB	27.92		0.9285	0.9284	-0.2	2.02E+07	0.79	1.47	51.8	1.80E+04	0.521
PCB-79 33'45'-TeCB	29.24		0.9720	0.9721	+0.2	2.06E+07	0.77	1.37	57	1.80E+04	0.562
PCB-78 33'45'-TeCB	29.72		0.9880	0.9881	+0.2	1.70E+07	0.79	1.14	56	1.80E+04	0.671
PCB-104 22'466'-PeCB	23.25		1.0009	1.0009	0	1.76E+07	0.61	1.12	56.6	3.34E+03	0.11
PCB-96 22'366'-PeCB	23.57		1.0148	1.0148	0	1.48E+07	0.63	1.00	53.7	3.34E+03	0.124
PCB-103 22'45'6'-PeCB	25.23		0.8920	0.8918	-0.3	1.17E+07	0.63	0.92	58.1	5.25E+04	2.93
PCB-94 22'356'-PeCB	25.43		0.8988	0.8987	-0.2	1.01E+07	0.61	0.80	57.5	5.25E+04	3.35
PCB-95 22'35'6'-PeCB	25.81	B	0.9122	0.9121	-0.2	1.05E+07	0.63	0.85	56.4	5.25E+04	3.16
PCB-100/93 22'44'6'/22'356'-PeCB	26.00	C	0.9191	0.9189	-0.3	2.24E+07	0.63	0.87	117	5.25E+04	3.07
PCB-102 22'456'-PeCB	26.12		0.9243	0.9230	-2.0	1.06E+07	0.62	0.86	56.2	5.25E+04	3.11
PCB-98 22'34'6'-PeCB	26.18		0.9256	0.9252	-0.6	1.11E+07	0.64	0.87	58.1	5.25E+04	3.07
PCB-88 22'346'-PeCB	26.48		0.9356	0.9357	+0.2	1.04E+07	0.62	0.73	65.1	5.25E+04	3.67
PCB-91 22'34'6'-PeCB	26.55		0.9383	0.9384	+0.2	1.06E+07	0.63	1.01	48.1	5.25E+04	2.66
PCB-84 22'33'6'-PeCB	26.75		0.9453	0.9453	0	9.03E+06	0.62	0.74	55.6	5.25E+04	3.62
PCB-89 22'346'-PeCB	27.15		0.9598	0.9597	-0.2	9.55E+06	0.63	0.78	55.7	5.25E+04	3.43
PCB-121 23'45'6'-PeCB	27.49		0.9717	0.9716	-0.2	1.43E+07	0.61	1.16	56.1	5.25E+04	2.3
PCB-92 22'355'-PeCB	27.82		0.9831	0.9831	0	9.86E+06	0.63	0.83	54.5	5.25E+04	3.25
PCB-113/90/101 ...-PeCB	28.29	B C	1.0000	0.9999	-0.2	3.41E+07	0.62	0.96	162	5.25E+04	2.8
PCB-83 22'33'5'-PeCB	28.72		1.0152	1.0152	0	8.35E+06	0.62	0.69	55	5.25E+04	3.87
PCB-99 22'44'5'-PeCB	28.81		1.0183	1.0182	-0.2	1.06E+07	0.63	0.87	55.8	5.25E+04	3.09
PCB-112 233'56'-PeCB	28.91		1.0218	1.0218	0	1.38E+07	0.63	1.12	56.2	5.25E+04	2.4
PCB-108/119/86/97/125...-PeCB	29.26	C	1.0342	1.0341	-0.2	6.96E+07	0.62	0.95	334	5.25E+04	2.83
PCB-117 234'56'-PeCB	29.78		1.0525	1.0524	-0.2	1.15E+07	0.62	0.98	53.4	5.25E+04	2.74
PCB-116/85 23456/22'344'-PeCB	29.86	C	1.0555	1.0554	-0.2	2.39E+07	0.62	0.98	111	5.25E+04	2.73
PCB-110 233'4'6'-PeCB	29.99	B	1.0602	1.0600	-0.4	1.15E+07	0.61	0.95	54.8	5.25E+04	2.81
PCB-115 2344'6'-PeCB	30.07		1.0627	1.0626	-0.2	1.58E+07	0.63	1.24	58.4	5.25E+04	2.17
PCB-82 22'33'4'-PeCB	30.28		1.0702	1.0702	0	9.06E+06	0.64	0.72	57.3	5.25E+04	3.72
PCB-111 233'55'-PeCB	30.59		1.0812	1.0812	0	1.44E+07	0.62	1.16	56.7	5.25E+04	2.32
PCB-120 23'455'-PeCB	30.99		1.0952	1.0952	0	1.39E+07	0.63	1.13	55.8	5.25E+04	2.37
PCB-107/124 ...-PeCB	31.96	C	0.9910	0.9910	0	2.39E+07	0.62	1.01	108	5.25E+04	2.65
PCB-109 233'46'-PeCB	32.16		0.9974	0.9974	0	1.34E+07	0.62	1.09	56	5.25E+04	2.46
PCB-106 233'45'-PeCB	32.37		1.0038	1.0039	+0.2	1.25E+07	0.62	1.00	57.1	5.25E+04	2.68
PCB-122 233'4'5'-PeCB	32.84		1.0097	1.0098	+0.2	1.12E+07	0.62	0.94	56.3	5.25E+04	3.12
PCB-127 33'455'-PeCB	34.79		1.0373	1.0374	+0.2	1.15E+07	0.63	1.03	53.5	5.25E+04	2.84
PCB-155 22'44'66'-HxCB	28.13		1.0008	1.0008	0	1.83E+07	1.22	1.09	56	3.38E+03	0.112
PCB-152 22'3566'-HxCB	28.30		1.0070	1.0070	0	1.70E+07	1.24	1.00	56.6	3.38E+03	0.122
PCB-150 22'34'66'-HxCB	28.44		1.0119	1.0119	0	1.79E+07	1.24	1.02	58.7	3.38E+03	0.12
PCB-136 22'33'66'-HxCB	28.75		1.0231	1.0231	0	1.61E+07	1.24	0.91	58.8	3.38E+03	0.134
PCB-145 22'3466'-HxCB	29.01		1.0321	1.0321	0	1.65E+07	1.22	0.94	58.9	3.38E+03	0.131
PCB-148 22'34'56'-HxCB	30.28		1.0772	1.0773	+0.2	1.35E+07	1.21	1.01	58.5	3.38E+03	0.165
PCB-151/135 ...-HxCB	30.80	C	1.0960	1.0960	0	2.57E+07	1.24	0.97	117	3.38E+03	0.172
PCB-154 22'44'56'-HxCB	31.00		1.1029	1.1030	+0.2	1.42E+07	1.24	1.10	57	3.38E+03	0.152
PCB-144 22'345'6'-HxCB	31.27		1.1125	1.1125	0	1.32E+07	1.25	1.00	58	3.38E+03	0.167

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-147/149 ...-HxCB	31.57	B C	1.1232	1.1233	+0.2	2.60E+07	1.25	0.99	115	3.38E+03	0.169
PCB-134 22'33'56"-HxCB	31.74		1.1294	1.1295	+0.2	1.01E+07	1.23	0.82	54.6	3.38E+03	0.205
PCB-143 22'34'56"-HxCB	31.82		1.1323	1.1323	0	1.29E+07	1.24	0.97	58.5	3.38E+03	0.172
PCB-139/140 ...-HxCB	32.08	C	1.1413	1.1414	+0.2	2.68E+07	1.24	1.01	117	3.38E+03	0.166
PCB-131 22'33'46"-HxCB	32.25		1.1476	1.1477	+0.2	1.12E+07	1.25	0.88	56.2	3.38E+03	0.19
PCB-142 22'34'56"-HxCB	32.39		1.1524	1.1524	0	1.17E+07	1.23	0.90	57.3	3.38E+03	0.186
PCB-132 22'33'46"-HxCB	32.64		1.1614	1.1615	+0.2	1.15E+07	1.22	0.91	55.9	3.38E+03	0.184
PCB-133 22'33'55"-HxCB	33.05		1.1758	1.1759	+0.2	1.21E+07	1.26	0.93	57.5	3.38E+03	0.181
PCB-165 233'55'6"-HxCB	33.39		0.9495	0.9494	-0.2	1.42E+07	1.23	1.11	56.7	3.38E+03	0.151
PCB-146 22'34'55"-HxCB	33.60		0.9554	0.9555	+0.2	1.34E+07	1.21	0.96	61.9	3.38E+03	0.175
PCB-161 233'45'6"-HxCB	33.71		0.9587	0.9587	0	1.58E+07	1.23	1.27	54.8	3.38E+03	0.132
PCB-153/168 ...-HxCB	34.14	B C	0.9710	0.9709	-0.2	3.00E+07	1.25	1.24	107	3.38E+03	0.135
PCB-141 22'34'55"-HxCB	34.29		0.9752	0.9751	-0.2	1.26E+07	1.25	0.95	58.1	3.38E+03	0.176
PCB-130 22'33'45"-HxCB	34.64		0.9850	0.9850	0	1.06E+07	1.25	0.83	56.6	3.38E+03	0.203
PCB-137 22'34'4'5"-HxCB	34.83		0.9905	0.9904	-0.2	1.24E+07	1.22	1.02	53.7	3.38E+03	0.164
PCB-164 233'4'5'6"-HxCB	34.92		0.9932	0.9931	-0.2	1.55E+07	1.26	1.18	57.9	3.38E+03	0.142
PCB-163/138/129 ...-HxCB	35.20	B C	1.0011	1.0010	-0.2	3.59E+07	1.24	0.96	165	3.38E+03	0.174
PCB-160 233'456"-HxCB	35.32		1.0046	1.0045	-0.2	1.64E+07	1.25	1.24	58.1	3.38E+03	0.135
PCB-158 233'44'6"-HxCB	35.52		1.0101	1.0100	-0.2	1.67E+07	1.24	1.29	56.9	3.38E+03	0.13
PCB-128/166 ...-HxCB	36.25	C	0.9614	0.9614	0	2.10E+07	1.24	0.97	116	7.56E+03	0.487
PCB-159 233'455"-HxCB	37.07		0.9832	0.9832	0	1.20E+07	1.25	1.11	58.3	7.56E+03	0.425
PCB-162 233'4'55"-HxCB	37.32		0.9896	0.9897	+0.2	1.20E+07	1.25	1.08	59.1	7.56E+03	0.434
PCB-188 22'34'566"-HpCB	32.99		1.0007	1.0007	0	1.60E+07	1.02	0.98	57.4	2.83E+03	0.11
PCB-179 22'33'566"-HpCB	33.28		1.0096	1.0096	0	1.51E+07	1.04	0.92	57.6	2.83E+03	0.117
PCB-184 22'344'66"-HpCB	33.72		1.0229	1.0229	0	1.48E+07	1.03	0.92	56.7	2.83E+03	0.118
PCB-176 22'33'466"-HpCB	34.03		1.0322	1.0322	0	1.64E+07	1.06	1.01	56.9	2.83E+03	0.106
PCB-186 22'34566"-HpCB	34.42		1.0441	1.0441	0	1.55E+07	1.04	0.97	56.4	2.83E+03	0.111
PCB-178 22'33'55'6"-HpCB	35.56		1.0787	1.0788	+0.2	1.13E+07	1.03	0.72	55.7	2.83E+03	0.15
PCB-175 22'33'45'6"-HpCB	36.10		1.0951	1.0952	+0.2	1.06E+07	1.03	1.01	56.2	8.41E+03	0.494
PCB-187 22'34'55'6"-HpCB	36.33		1.1021	1.1021	0	1.15E+07	1.06	1.09	56.8	8.41E+03	0.459
PCB-182 22'344'56"-HpCB	36.50		1.1073	1.1074	+0.2	1.18E+07	1.03	1.11	57.4	8.41E+03	0.45
PCB-183 22'344'5'6"-HpCB	36.85		1.1177	1.1177	0	1.08E+07	1.04	1.05	54.9	8.41E+03	0.474
PCB-185 22'3455'6"-HpCB	36.93		1.1204	1.1203	-0.2	1.12E+07	1.02	1.05	57.6	8.41E+03	0.477
PCB-174 22'33'456"-HpCB	37.05		1.1241	1.1241	0	1.01E+07	1.02	0.93	57.9	8.41E+03	0.535
PCB-177 22'33'45'6"-HpCB	37.43		1.1354	1.1354	0	9.53E+06	1.05	0.92	55.7	8.41E+03	0.543
PCB-181 22'344'56"-HpCB	37.76		1.1455	1.1455	0	1.05E+07	1.05	1.03	54.9	8.41E+03	0.486
PCB-171/173 ...-HpCB	37.95	C	1.1513	1.1513	0	1.93E+07	1.03	0.91	114	8.41E+03	0.549
PCB-172 22'33'455"-HpCB	39.32		0.9027	0.9026	-0.2	9.85E+06	1.04	0.89	59.6	8.41E+03	0.562
PCB-192 233'455'6"-HpCB	39.55		0.9082	0.9081	-0.2	1.17E+07	1.05	1.13	55.7	8.41E+03	0.443
PCB-180/193 ...-HpCB	39.84	B C	0.9147	0.9147	0	2.25E+07	1.03	1.07	113	8.41E+03	0.467
PCB-191 233'44'5'6"-HpCB	40.17		0.9223	0.9222	-0.2	1.21E+07	1.02	1.16	55.9	8.41E+03	0.43
PCB-170 22'33'44'5"-HpCB	40.95		0.9401	0.9400	-0.2	8.50E+06	1.03	0.99	54	8.41E+03	0.626
PCB-190 233'44'56"-HpCB	41.39		0.9503	0.9502	-0.2	1.12E+07	1.03	1.27	55.6	8.41E+03	0.49
PCB-202 22'33'55'66"-OoCB	37.53		1.0006	1.0006	0	1.20E+07	0.89	0.86	56.4	3.05E+03	0.155
PCB-201 22'33'45'66"-OoCB	38.31		1.0214	1.0214	0	1.34E+07	0.89	0.95	57.2	3.05E+03	0.141

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-204 22'344'566'-OcCB	38.88		1.0366	1.0366	0	1.27E+07	0.90	0.89	57.7	3.05E+03	0.15
PCB-197 22'33'44'66'-OcCB	39.07		1.0417	1.0418	+0.2	1.41E+07	0.88	0.93	61.8	3.05E+03	0.144
PCB-200 22'33'4566'-OcCB	39.17		1.0443	1.0445	+0.5	1.20E+07	0.88	0.92	53.1	3.05E+03	0.146
PCB-198/199 ...-OcCB	41.51	C	1.1066	1.1067	+0.2	1.78E+07	0.87	0.64	113	3.05E+03	0.209
PCB-196 22'33'44'56'-OcCB	42.08		1.1220	1.1220	0	9.08E+06	0.87	0.66	56.2	3.05E+03	0.204
PCB-203 22'344'55'6-OcCB	42.25		1.1264	1.1264	0	9.36E+06	0.89	0.68	55.8	3.05E+03	0.196
PCB-195 22'33'44'56-OcCB	43.38		0.9488	0.9488	0	6.89E+06	0.90	0.89	59.1	4.02E+03	0.404
PCB-194 22'33'44'55'-OcCB	45.35		0.9917	0.9918	+0.3	6.89E+06	0.91	0.92	57.2	4.02E+03	0.391
PCB-205 233'44'55'6-OcCB	45.74		1.0004	1.0004	0	7.99E+06	0.92	1.13	53.8	4.02E+03	0.317
PCB-208 22'33'455'66'-NoCB	43.17		1.0005	1.0005	0	9.99E+06	0.76	1.03	52.7	3.55E+03	0.212
PCB-207 22'33'44'566'-NoCB	43.96		1.0187	1.0187	0	1.00E+07	0.77	1.00	54.7	3.55E+03	0.22
PCB-206 22'33'44'55'6-NoCB	47.21		1.0004	1.0004	0	6.15E+06	0.77	0.97	52.6	3.55E+03	0.349

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)	OK
PCB-1 2-MoCB	50	106	50 - 150	Y
PCB-3 4-MoCB	50	108	50 - 150	Y
PCB-4 22'-DiCB	50	108	50 - 150	Y
PCB-15 44'-DiCB	50	101	50 - 150	Y
PCB-19 22'6'-TrCB	50	108	50 - 150	Y
PCB-37 344'-TrCB	50	108	50 - 150	Y
PCB-54 22'66'-TeCB	50	112	50 - 150	Y
PCB-77 33'44'-TeCB	50	103	50 - 150	Y
PCB-81 344'5'-TeCB	50	107	50 - 150	Y
PCB-104 22'466'-PeCB	50	113	50 - 150	Y
PCB-105 233'44'-PeCB	50	110	50 - 150	Y
PCB-114 2344'5'-PeCB	50	113	50 - 150	Y
PCB-118 23'44'5'-PeCB	50	108	50 - 150	Y
PCB-123 23'44'5'-PeCB	50	113	50 - 150	Y
PCB-126 33'44'5'-PeCB	50	101	50 - 150	Y
PCB-155 22'44'66'-HxCB	50	112	50 - 150	Y
PCB-156/157 ...-HxCB	100	108	50 - 150	Y
PCB-167 23'44'55'-HxCB	50	111	50 - 150	Y
PCB-169 33'44'55'-HxCB	50	109	50 - 150	Y
PCB-188 22'34'566'-HpCB	50	115	50 - 150	Y
PCB-189 233'44'55'-HpCB	50	104	50 - 150	Y
PCB-202 22'33'55'66'-OcCB	50	113	50 - 150	Y
PCB-205 233'44'55'6-OcCB	50	108	50 - 150	Y
PCB-206 22'33'44'55'6-NoCB	50	105	50 - 150	Y
PCB-208 22'33'455'66'-NoCB	50	105	50 - 150	Y
PCB-209 DeCB	50	103	50 - 150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 23 Jul 2013 16:16 Analyst: LB

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07132012_14DEC12
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 130719V08 Analysis Date: 19-JUL-2013 13:44:20
 Lab ID: OPR1_11123_PCB-RJ

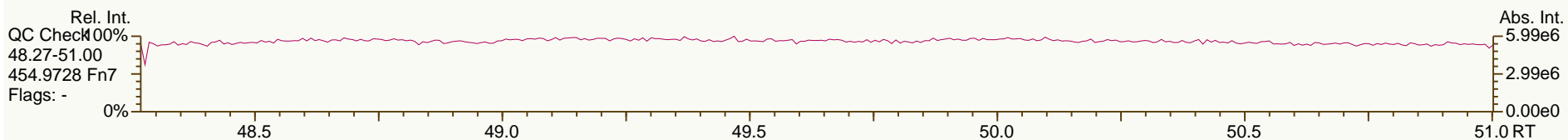
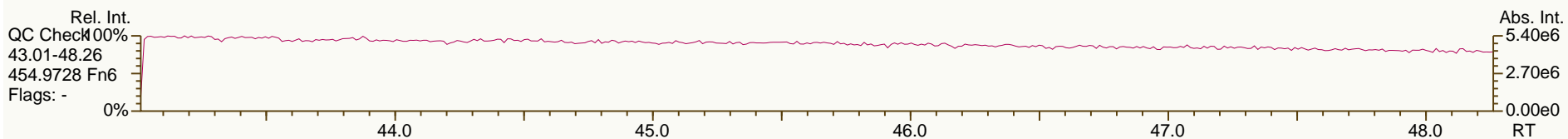
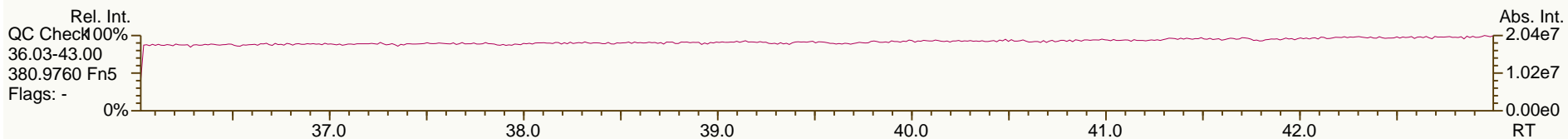
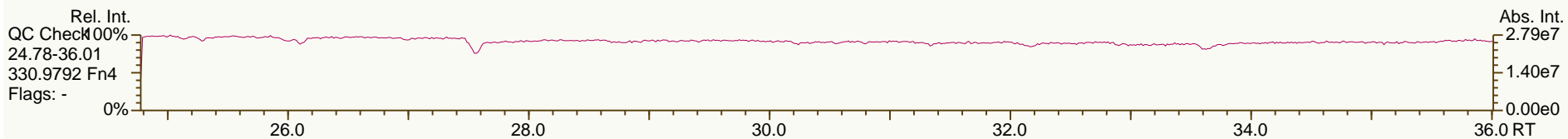
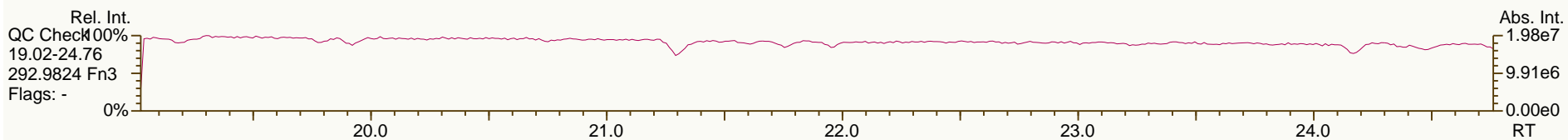
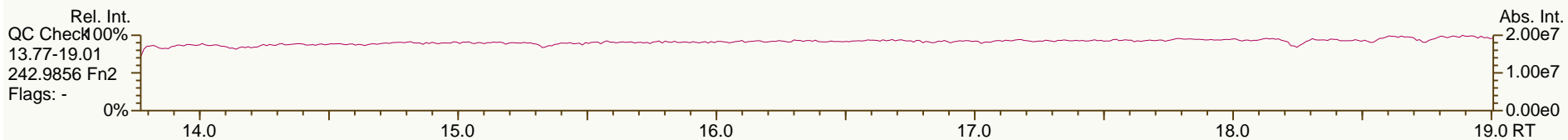
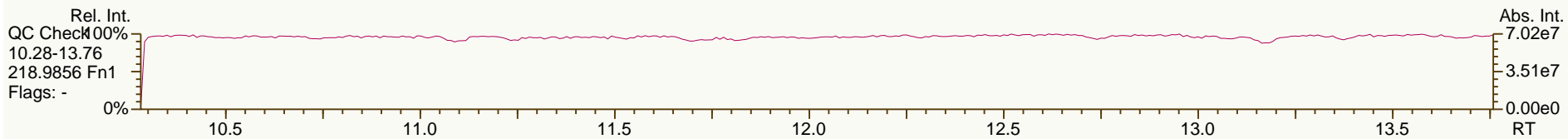
LABELED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)	OK
ES PCB-1	100	69.1	30 - 140	Y
ES PCB-3	100	71.8	30 - 140	Y
ES PCB-4	100	85.6	30 - 140	Y
ES PCB-15	100	83.8	30 - 140	Y
ES PCB-19	100	92.7	30 - 140	Y
ES PCB-37	100	76.5	30 - 140	Y
ES PCB-54	100	72.6	30 - 140	Y
ES PCB-77	100	82.5	30 - 140	Y
ES PCB-81	100	81.6	30 - 140	Y
ES PCB-104	100	74	30 - 140	Y
ES PCB-105	100	86.6	30 - 140	Y
ES PCB-114	100	83.7	30 - 140	Y
ES PCB-118	100	87.2	30 - 140	Y
ES PCB-123	100	87.2	30 - 140	Y
ES PCB-126	100	69.2	30 - 140	Y
ES PCB-153	100	86.6	30 - 140	Y
ES PCB-155	100	83.2	30 - 140	Y
ES PCB-156/157	200	78.8	30 - 140	Y
ES PCB-167	100	82.7	30 - 140	Y
ES PCB-169	100	64.1	30 - 140	Y
ES PCB-170	100	92.5	30 - 140	Y
ES PCB-180	100	92.2	30 - 140	Y
ES PCB-188	100	78.3	30 - 140	Y
ES PCB-189	100	76	30 - 140	Y
ES PCB-202	100	87.4	30 - 140	Y
ES PCB-205	100	80.2	30 - 140	Y
ES PCB-206	100	82	30 - 140	Y
ES PCB-208	100	97.5	30 - 140	Y
ES PCB-209	100	80.7	30 - 140	Y
CLEANUP STANDARDS				
CS PCB-28	100	78.4	40 - 125	Y
CS PCB-111	100	99.1	40 - 125	Y
CS PCB-178	100	86.2	40 - 125	Y

Processed: 23 Jul 2013 16:16 Analyst: LB

SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

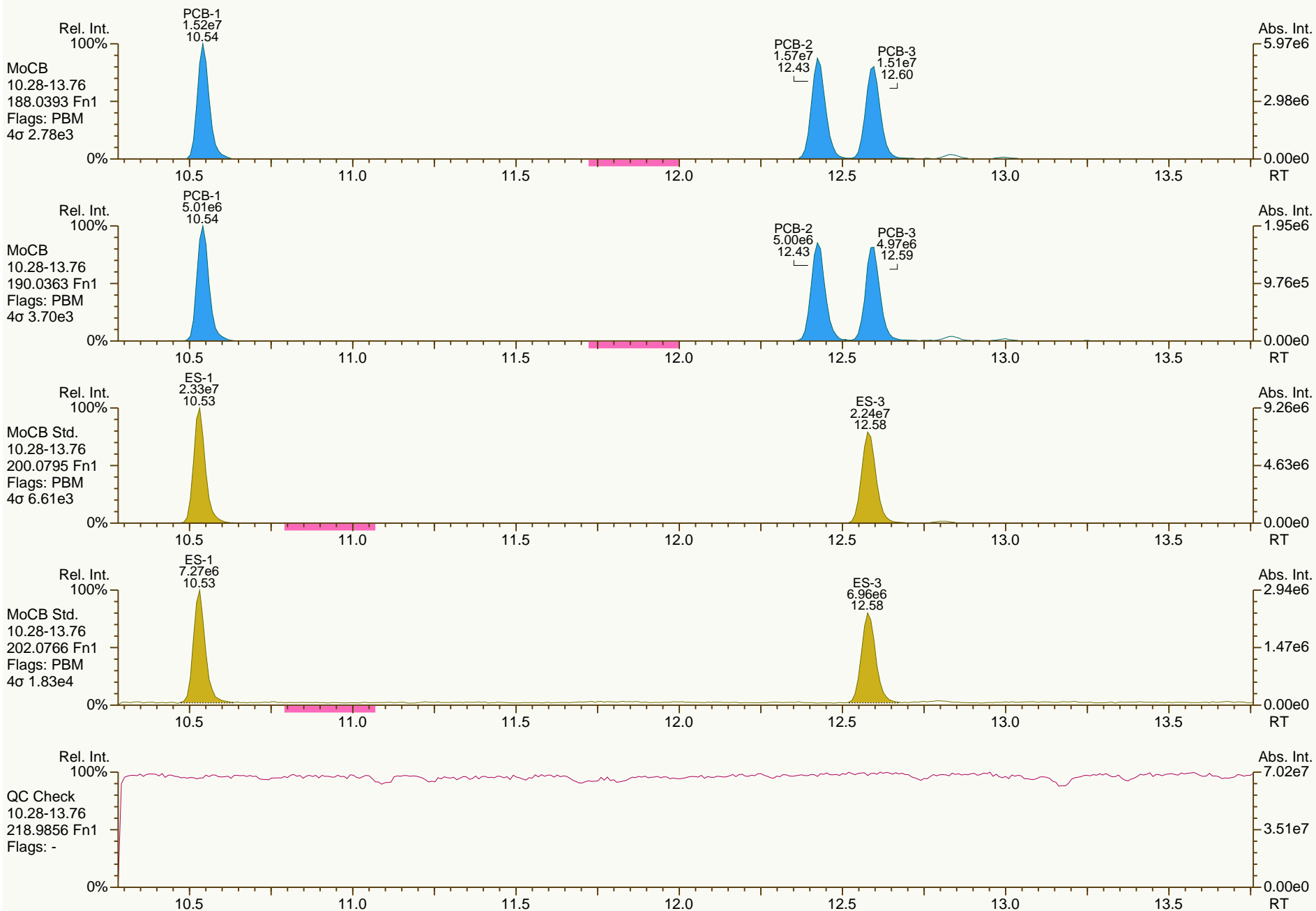
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 Instr: AutoSpec-Premier MM6

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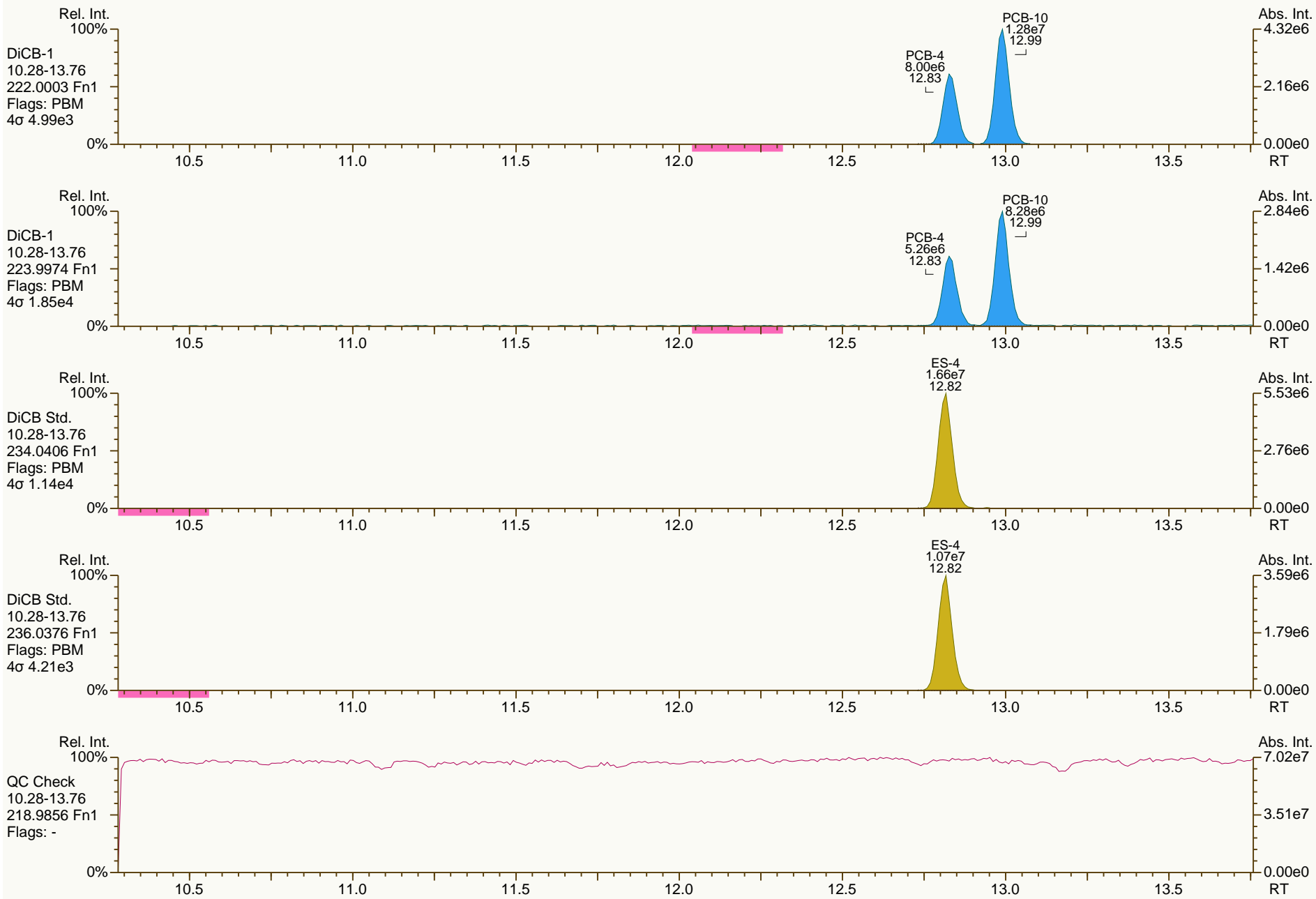
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 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
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SGS-AP ID: OPR1_11123_PCB-RJ
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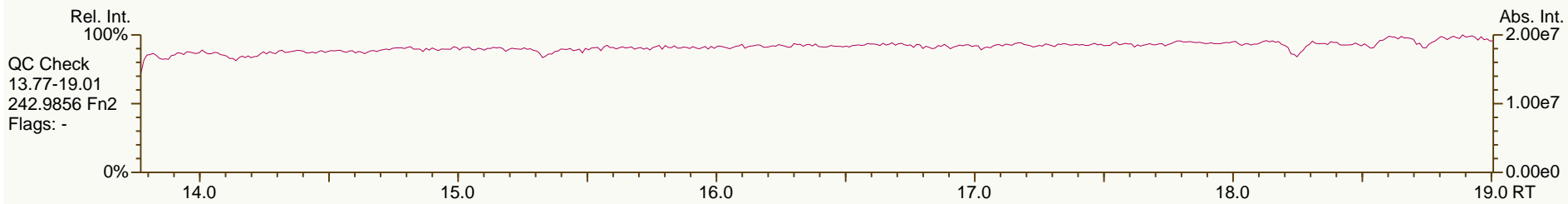
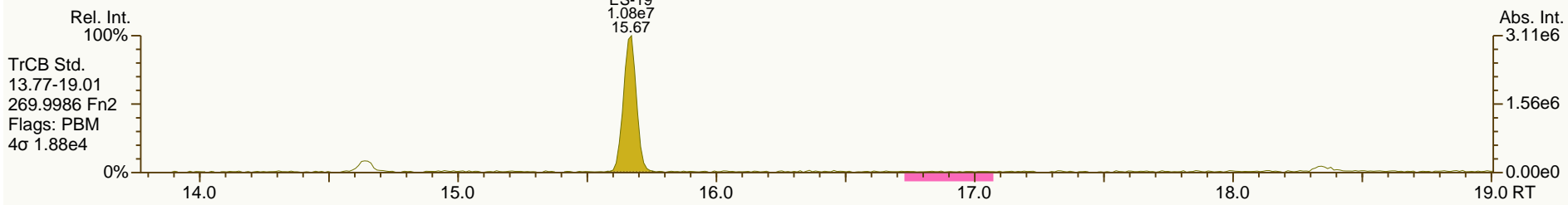
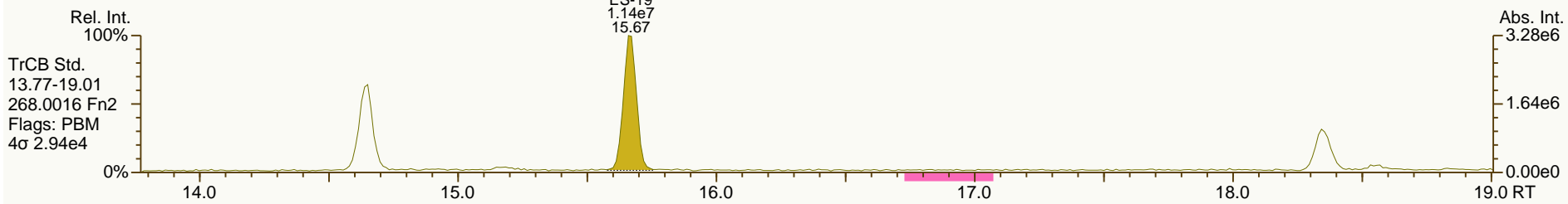
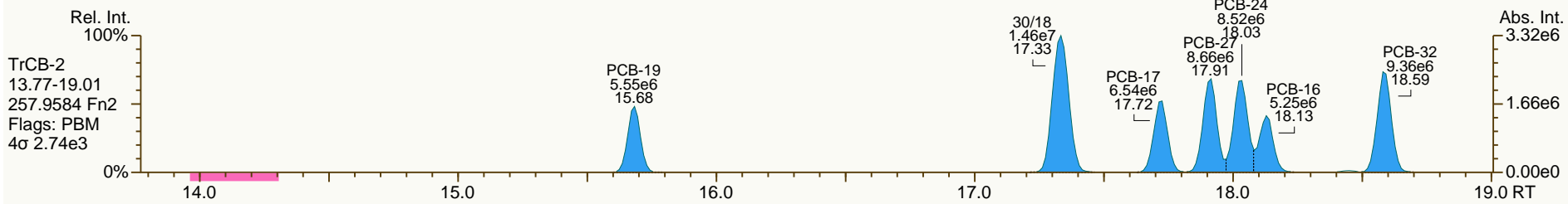
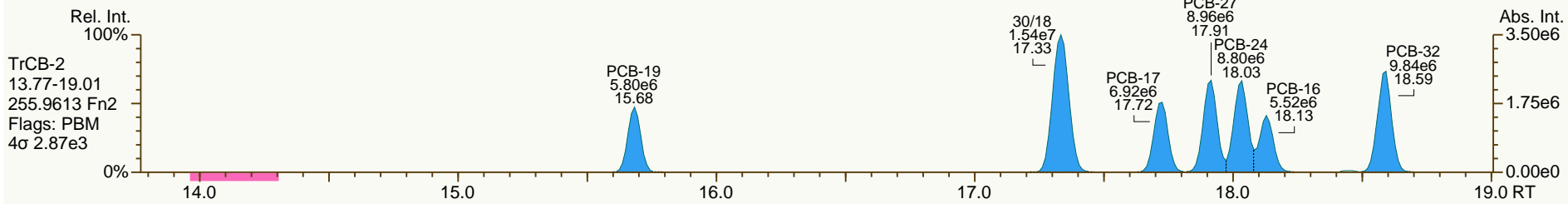
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SGS-AP ID: OPR1_11123_PCB-RJ
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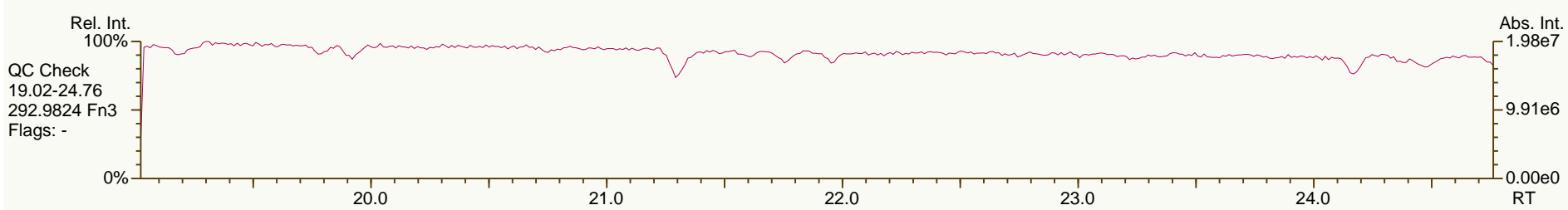
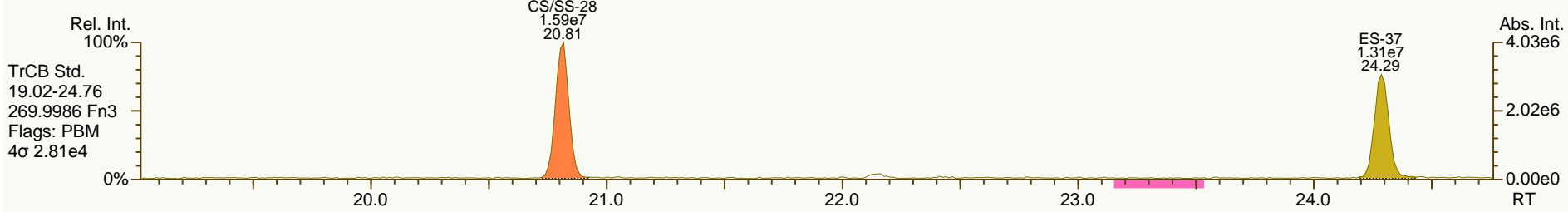
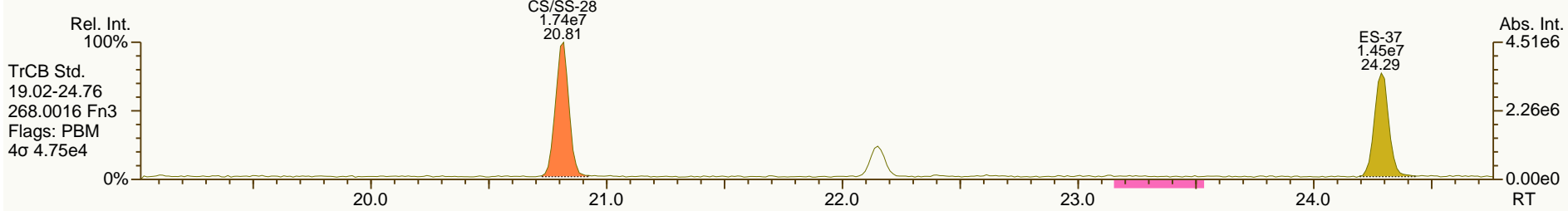
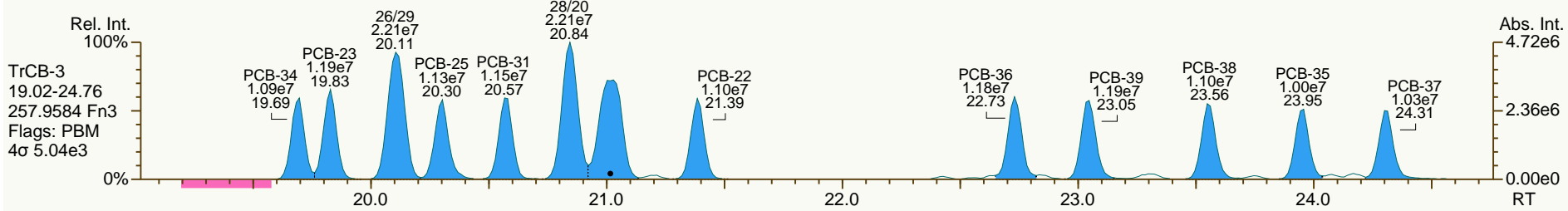
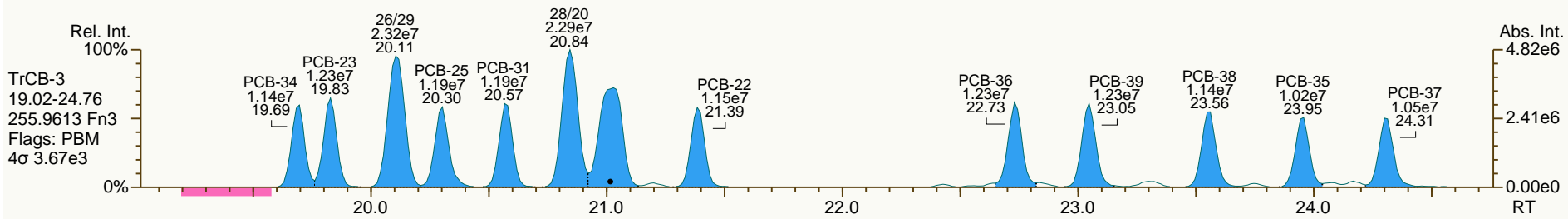
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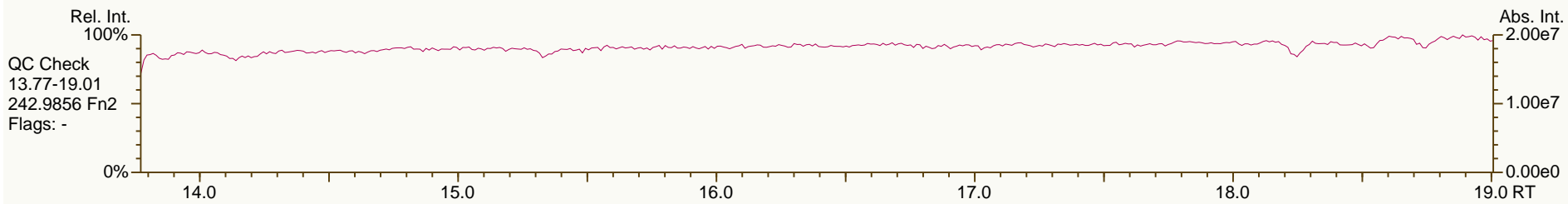
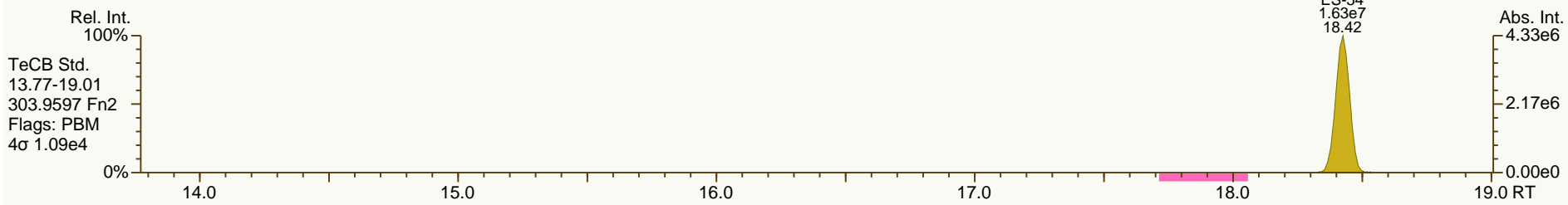
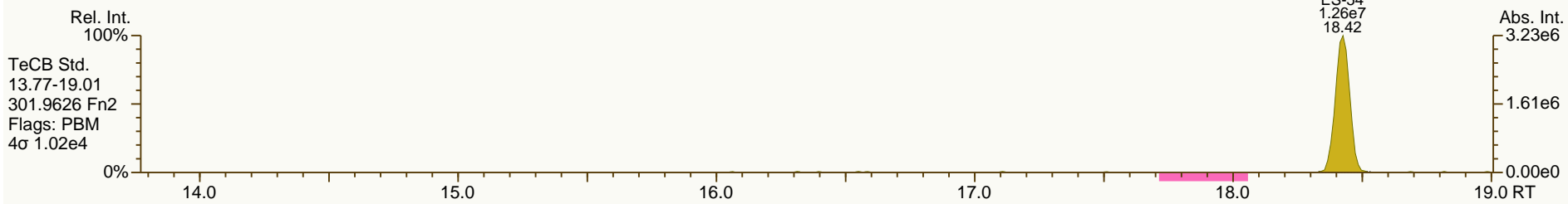
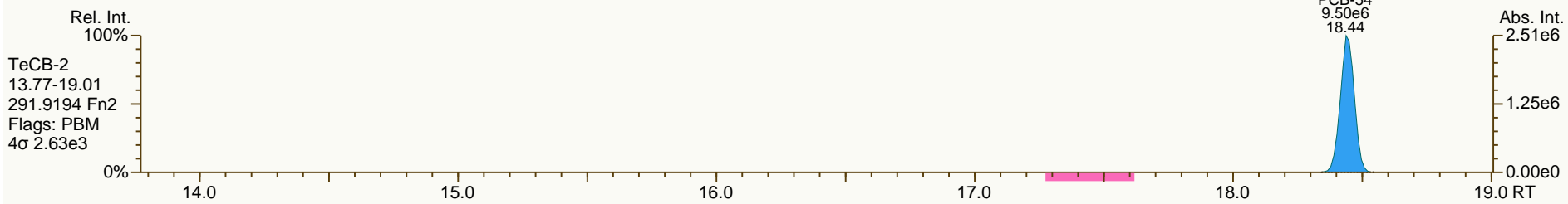
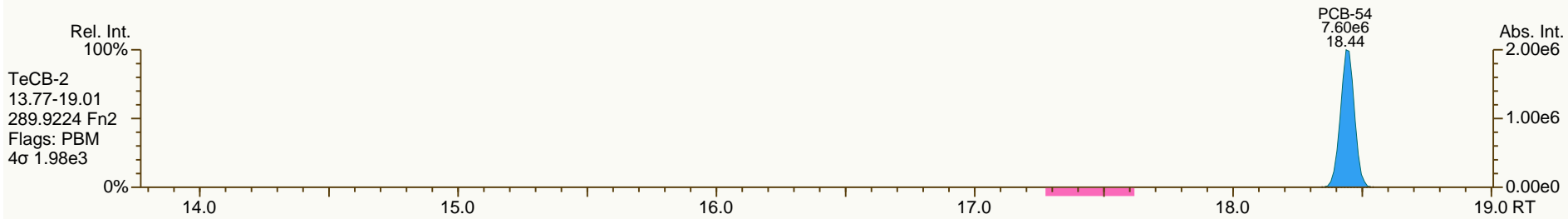
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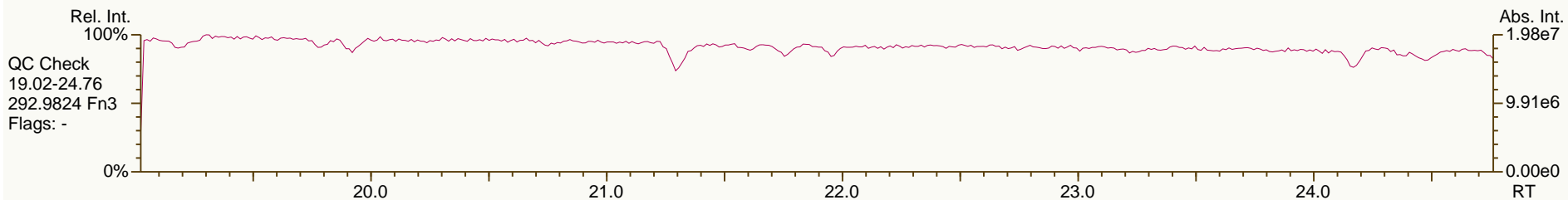
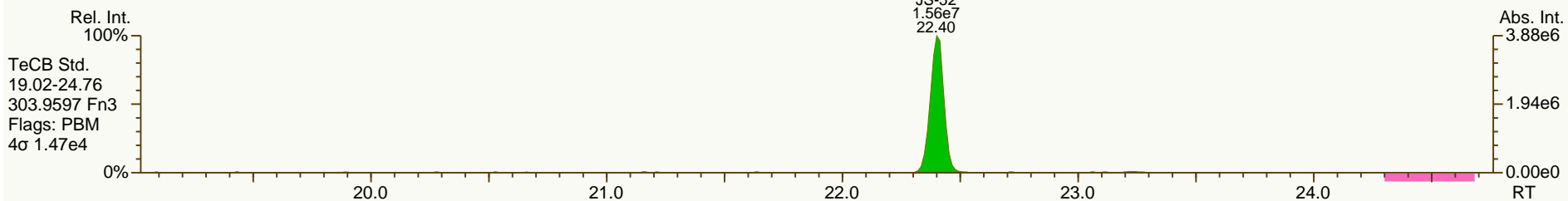
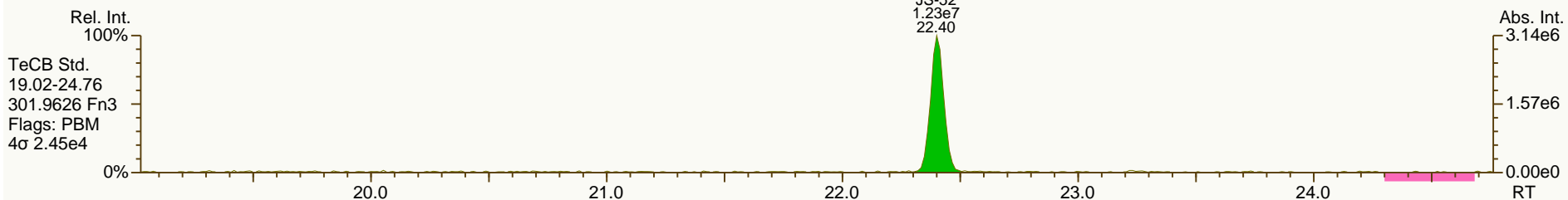
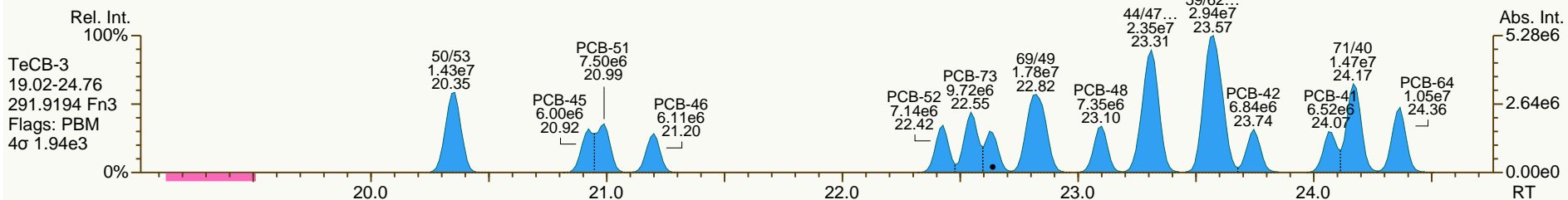
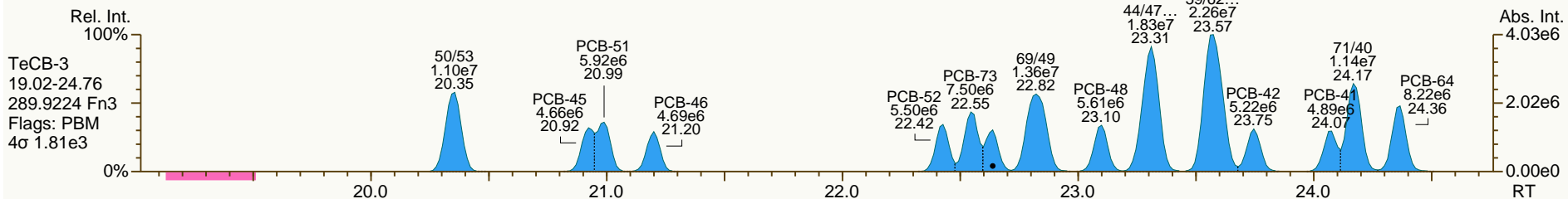
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Sample ID: 0_11123_OPR001
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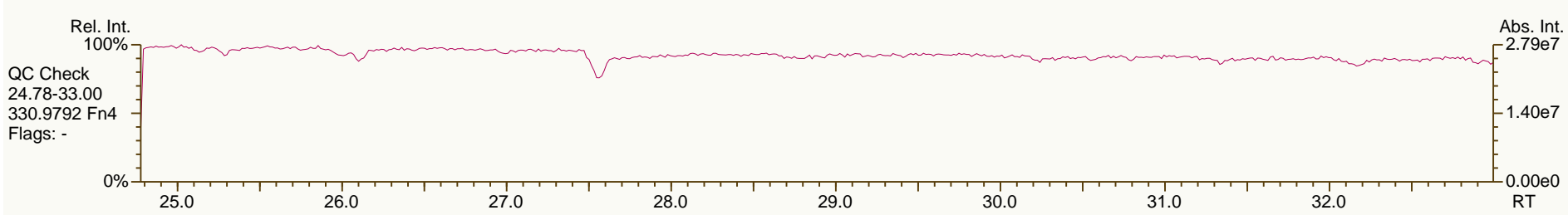
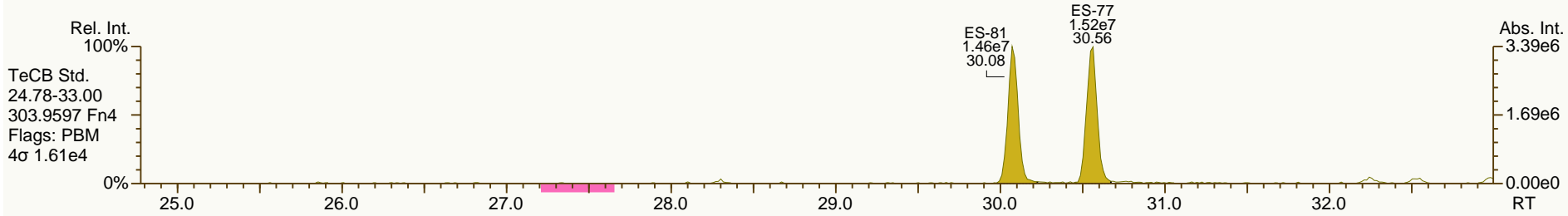
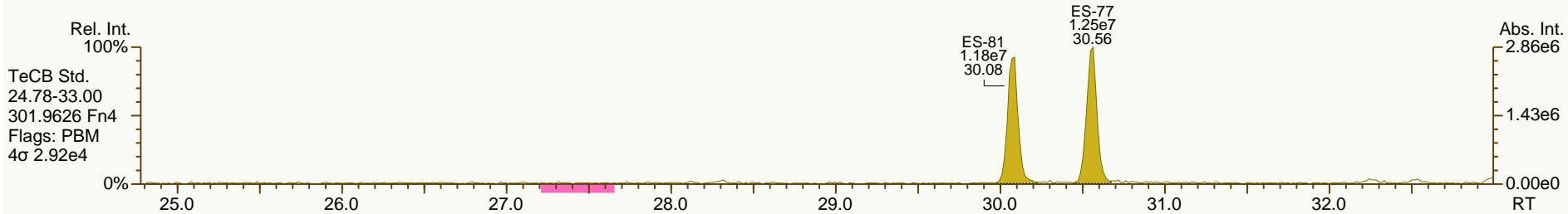
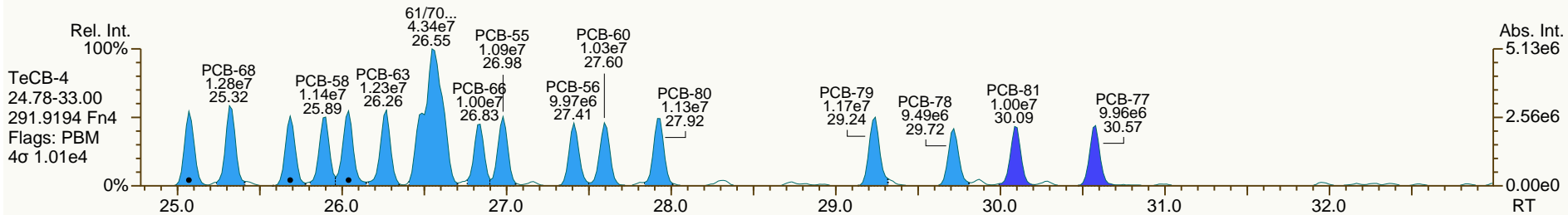
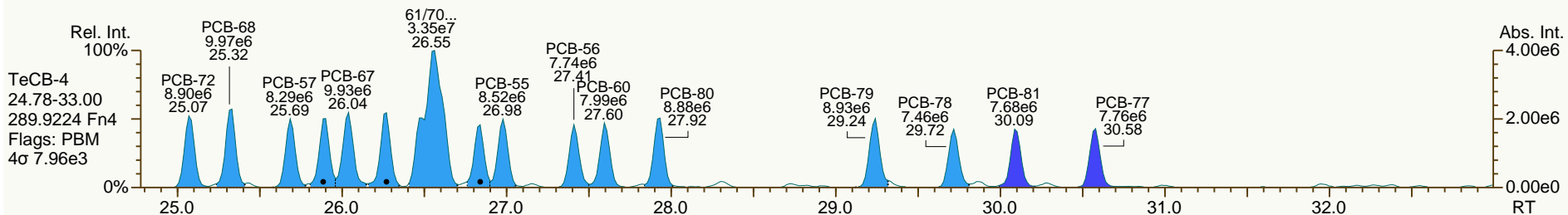
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SGS-AP ID: OPR1_11123_PCB-RJ
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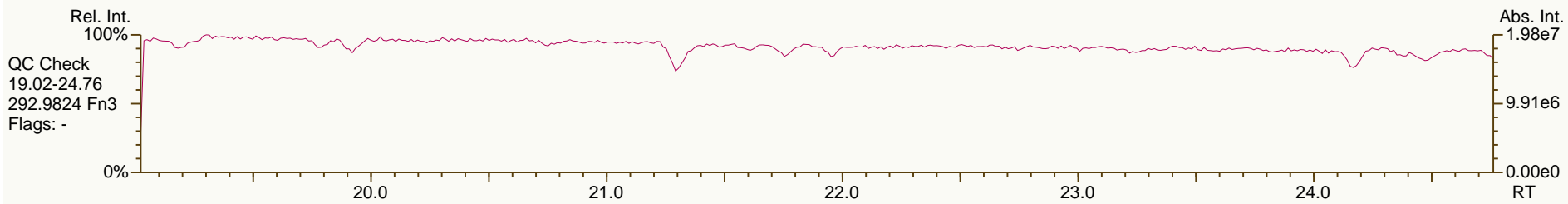
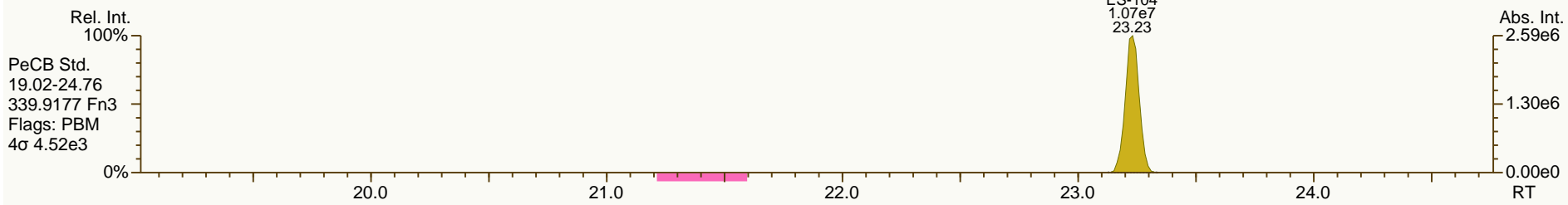
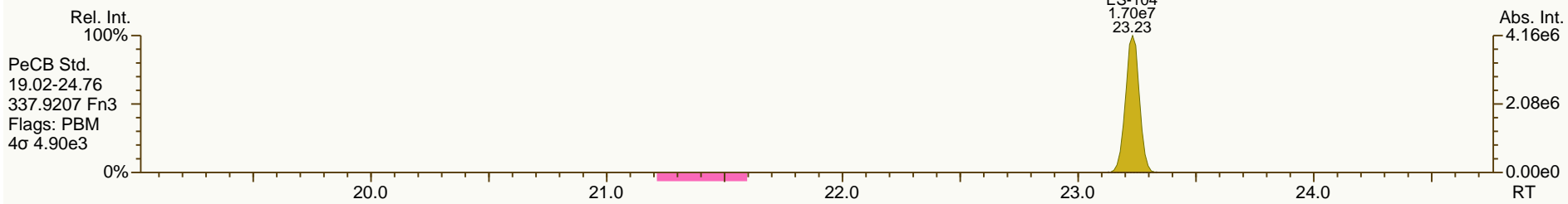
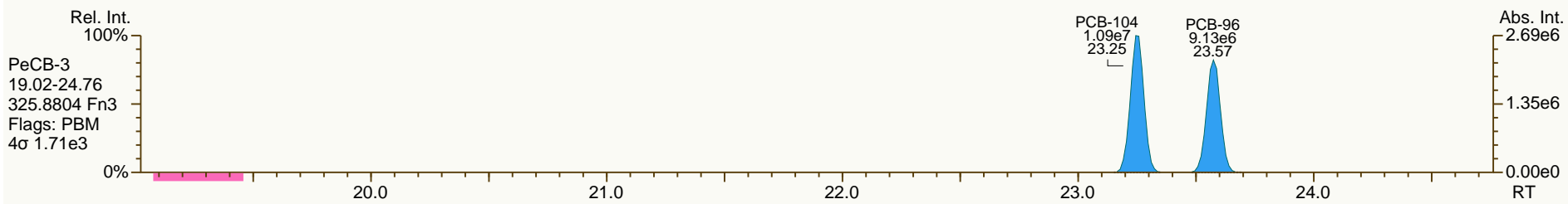
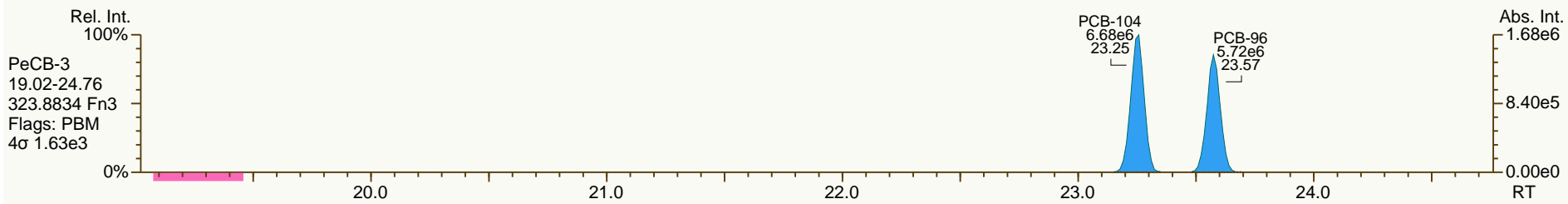
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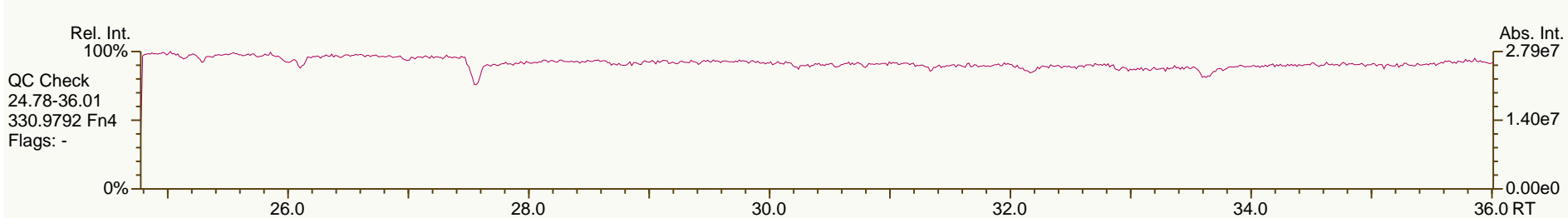
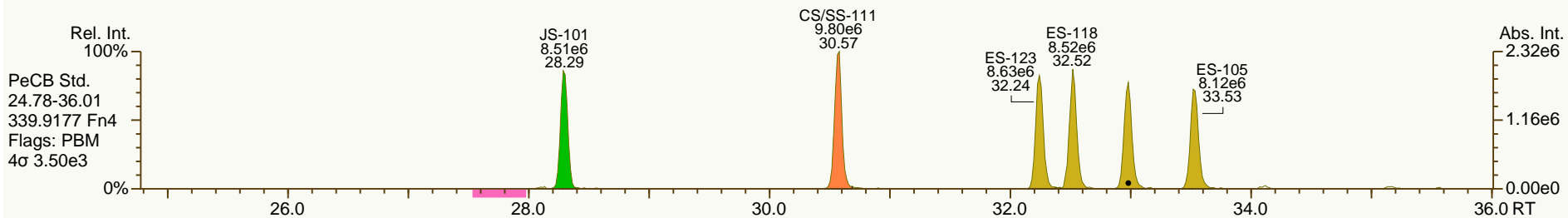
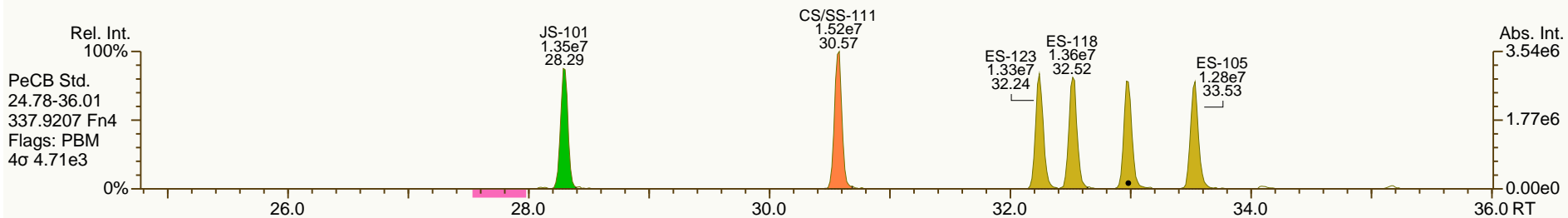
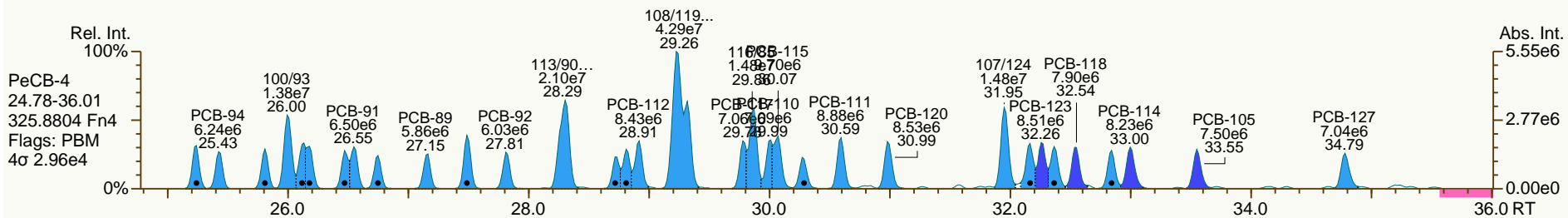
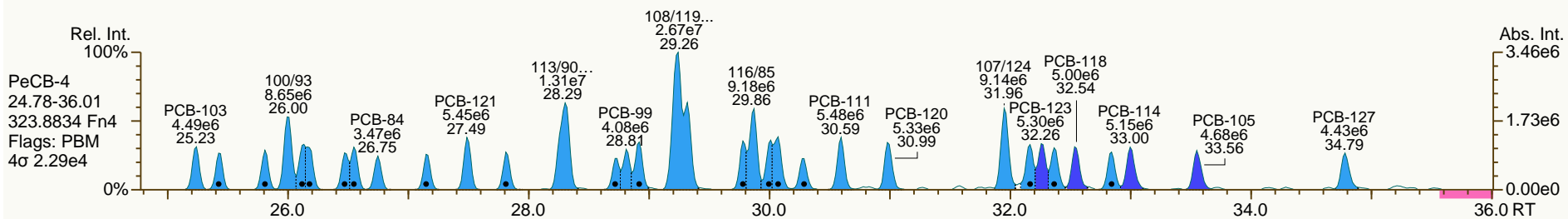
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SGS-AP ID: OPR1_11123_PCB-RJ
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Sample ID: 0_11123_OPR001
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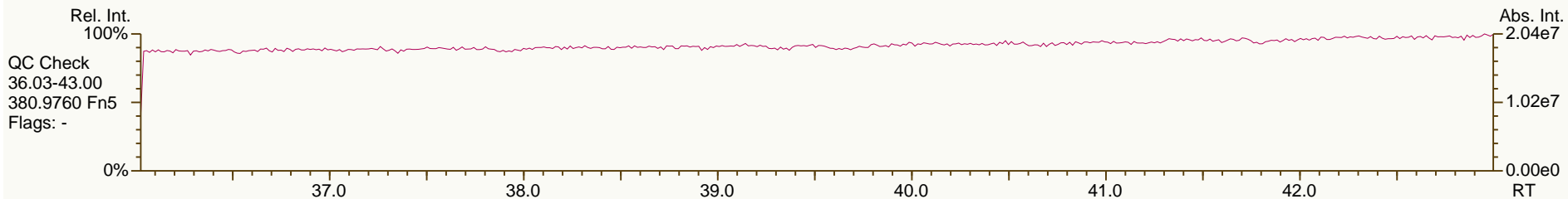
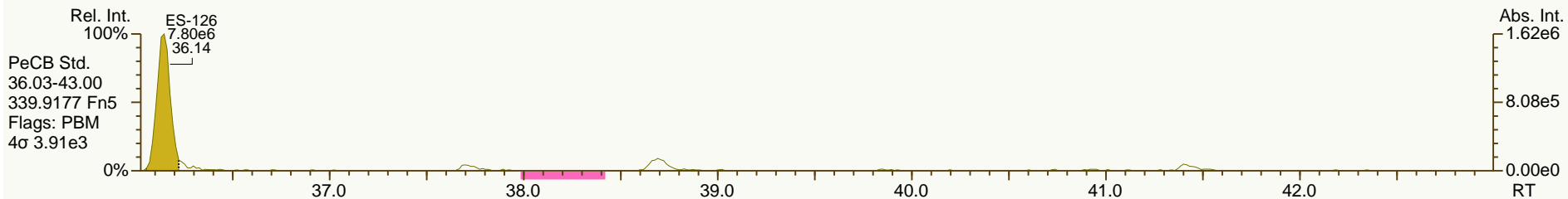
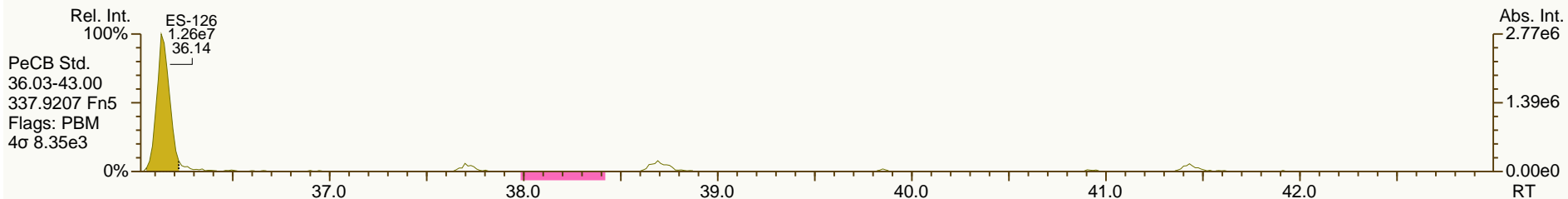
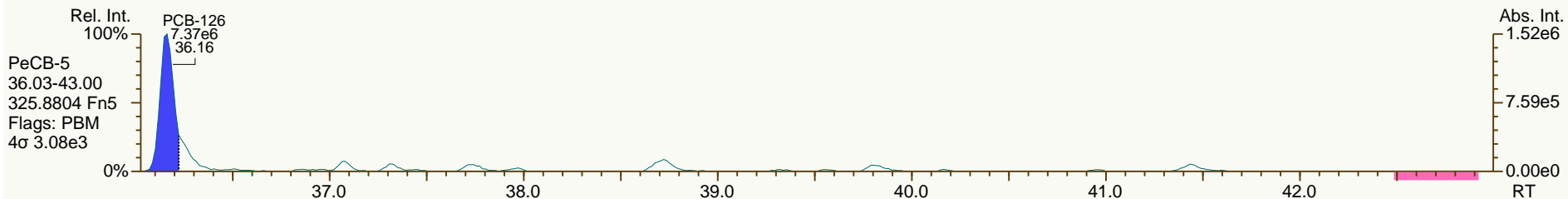
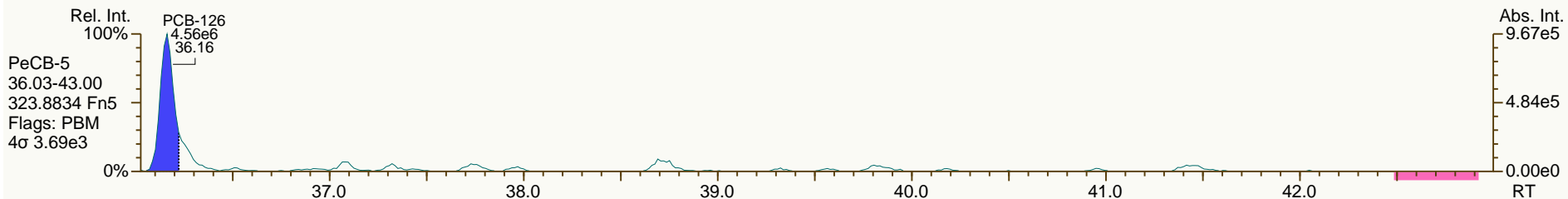
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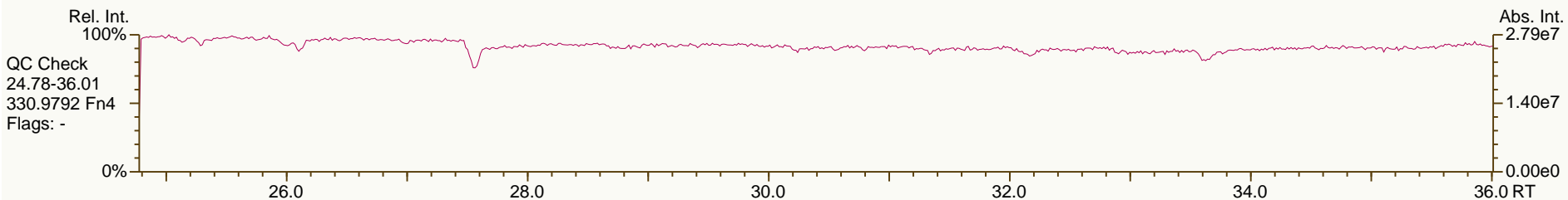
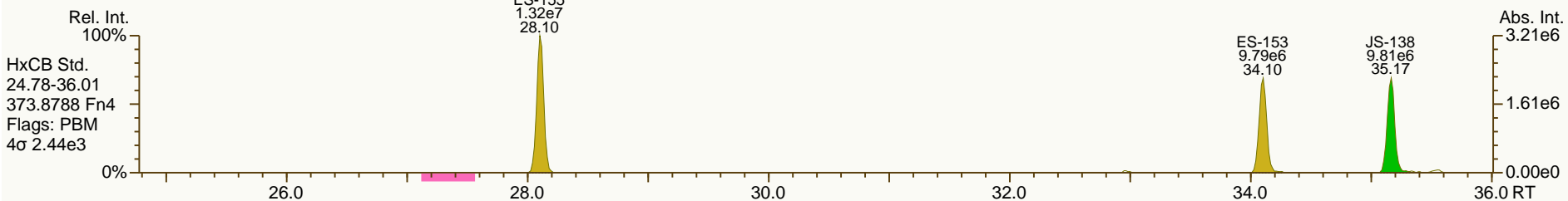
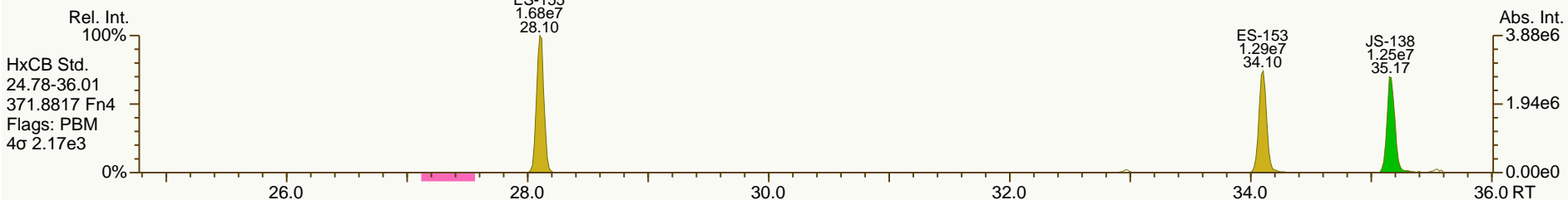
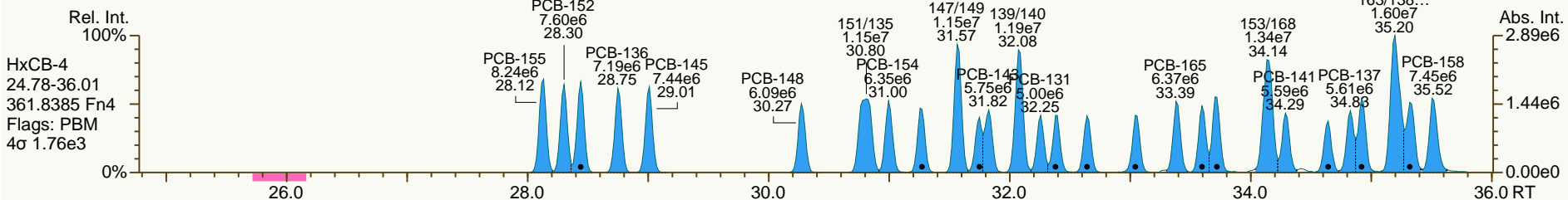
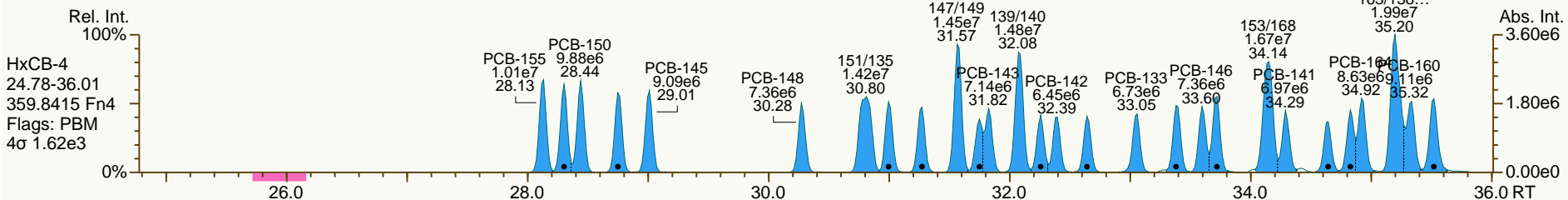
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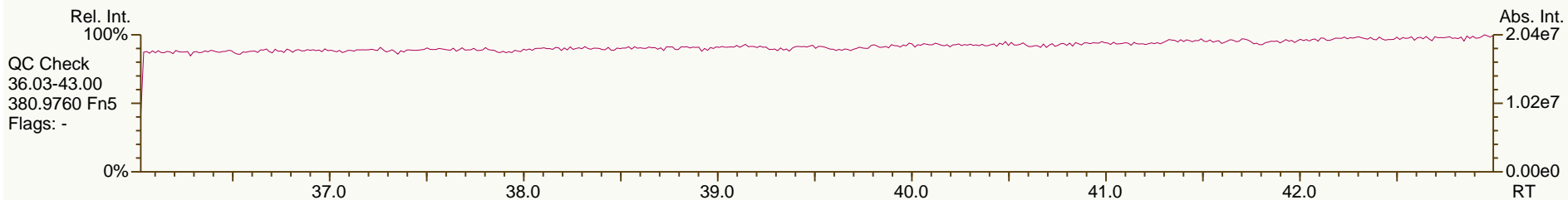
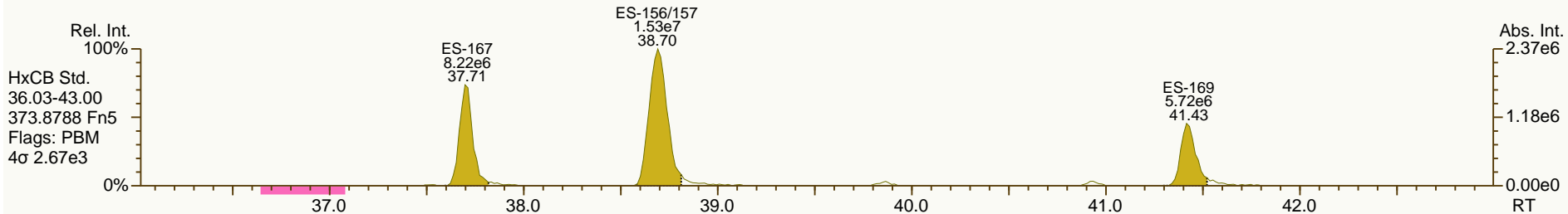
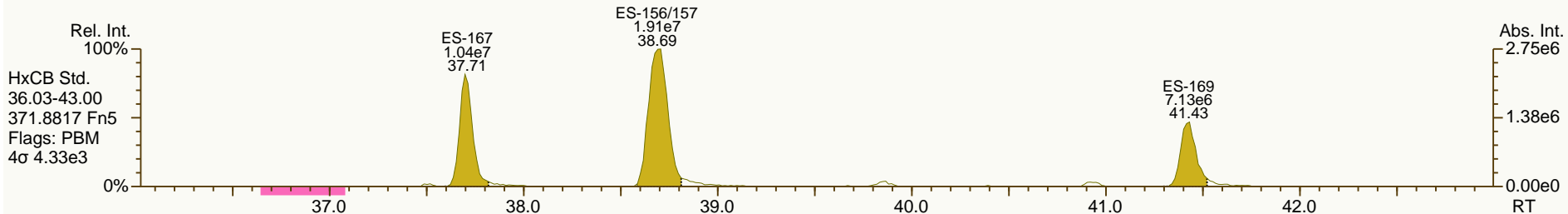
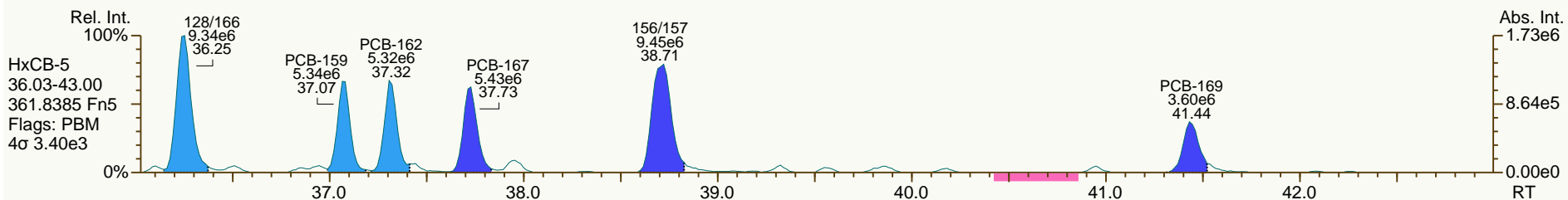
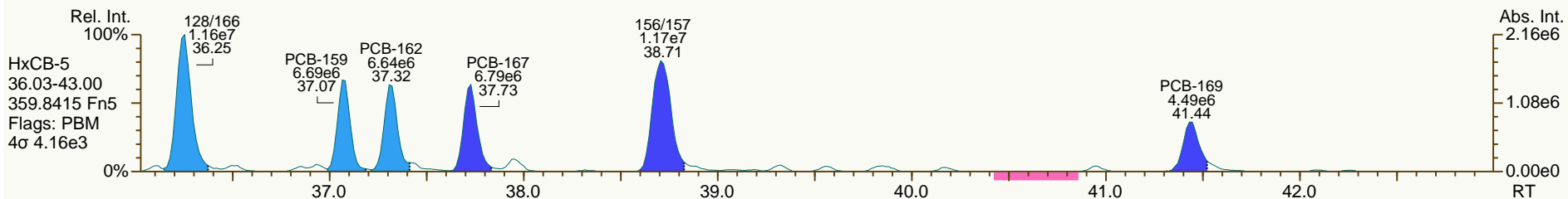
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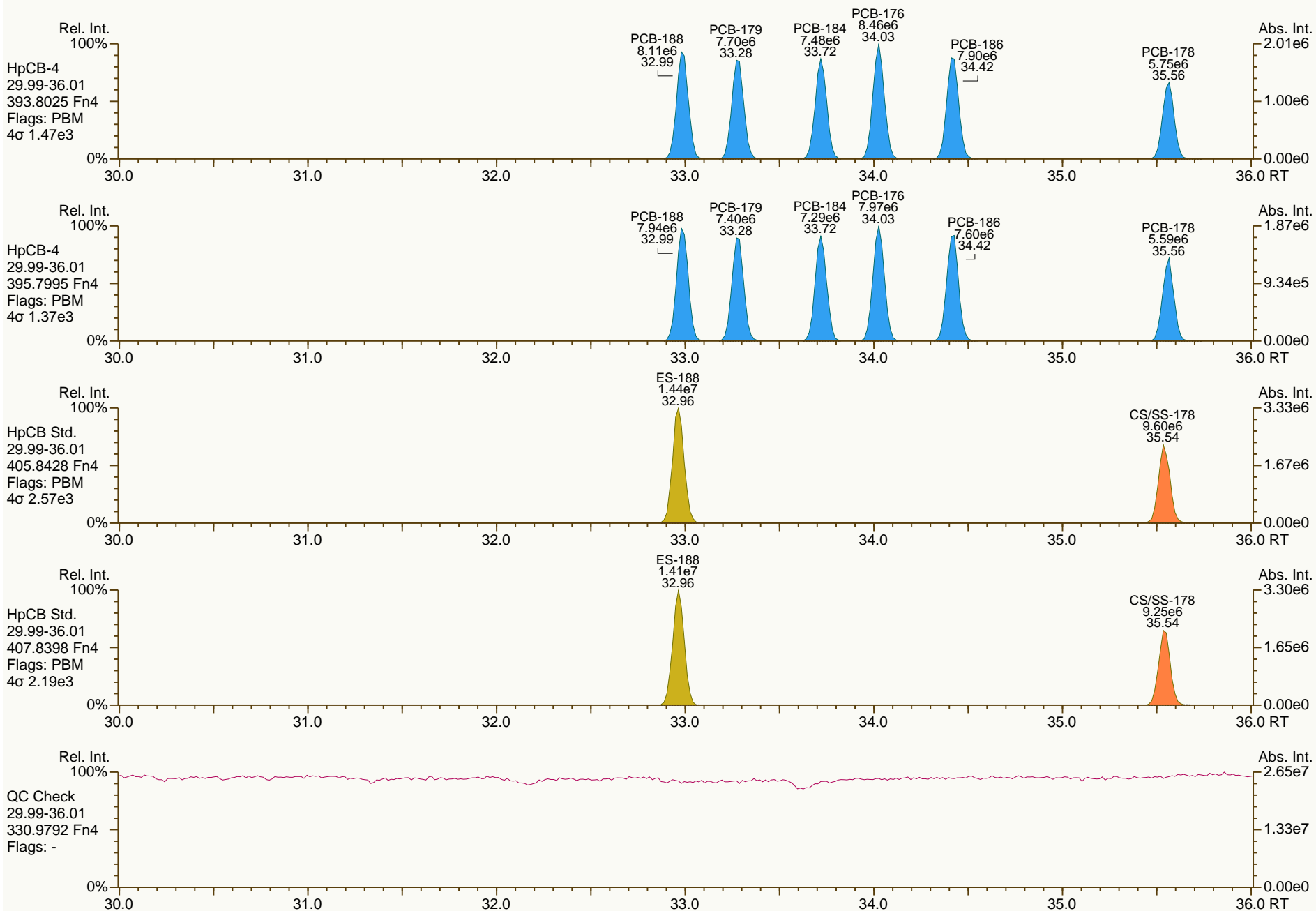
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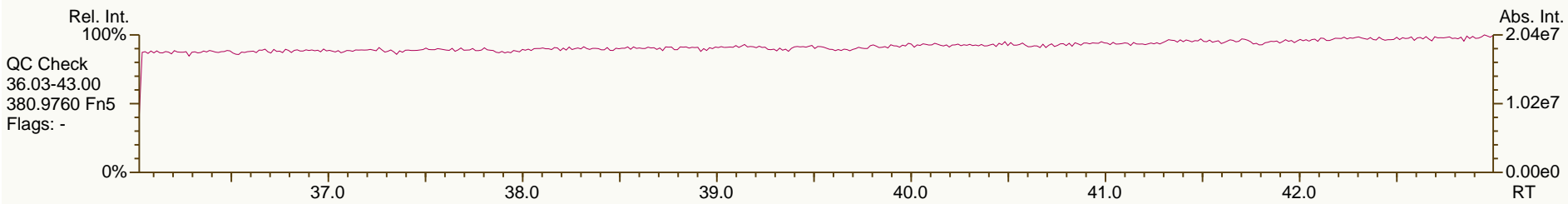
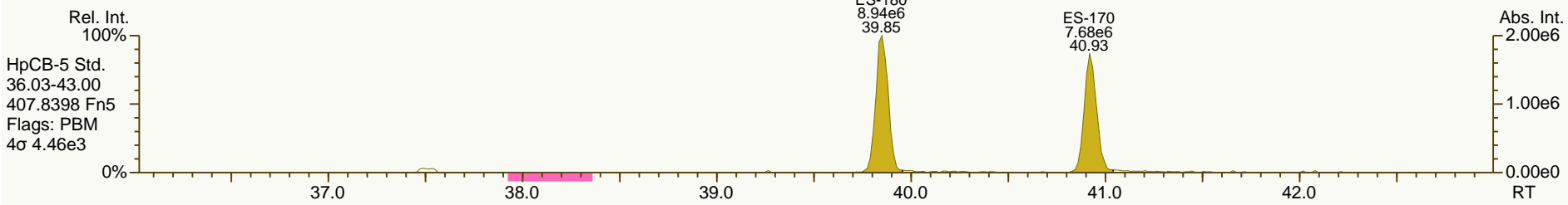
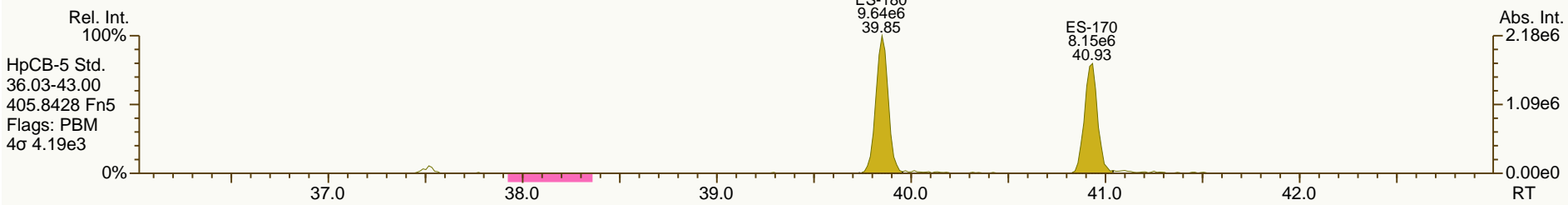
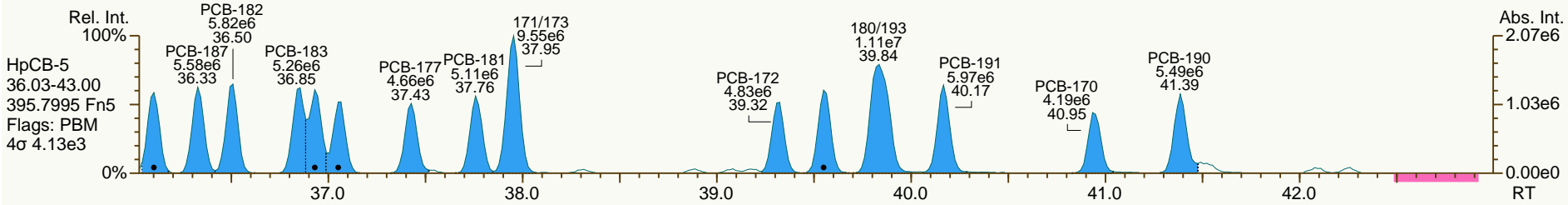
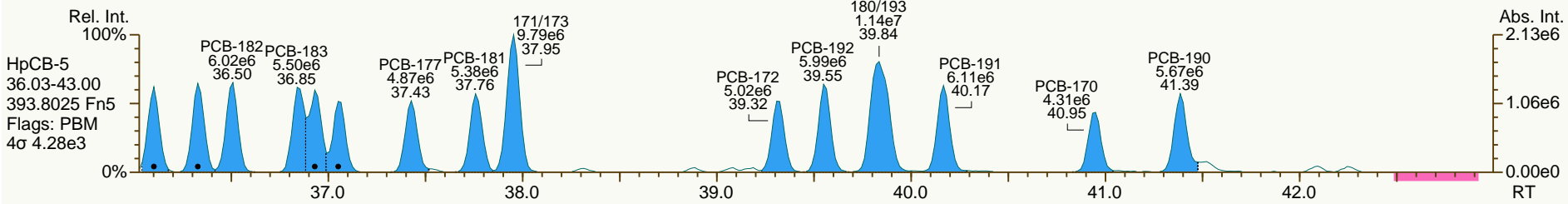
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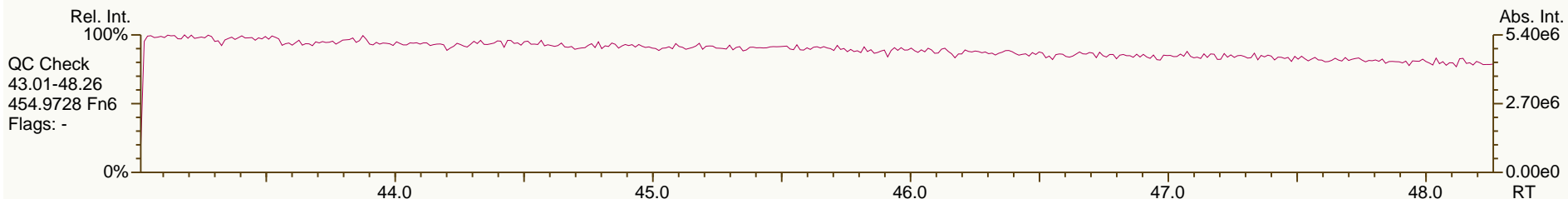
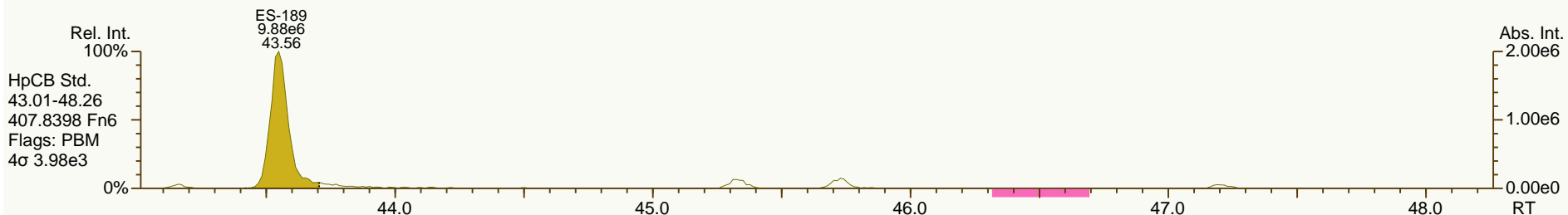
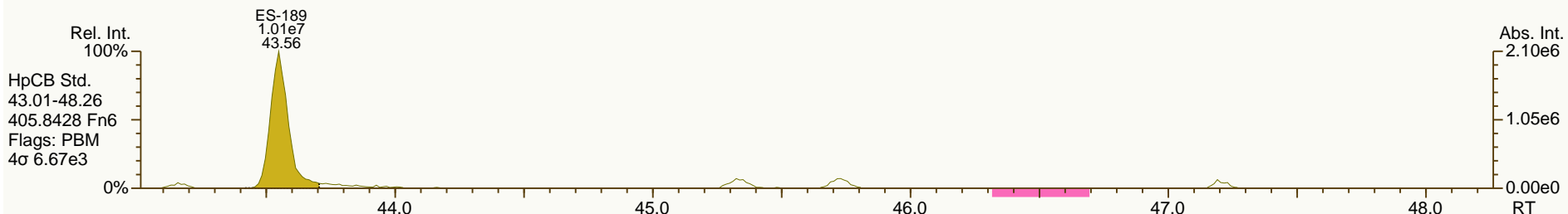
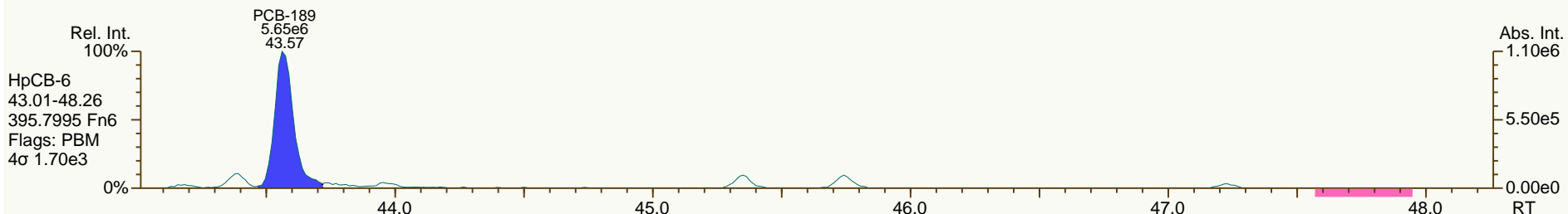
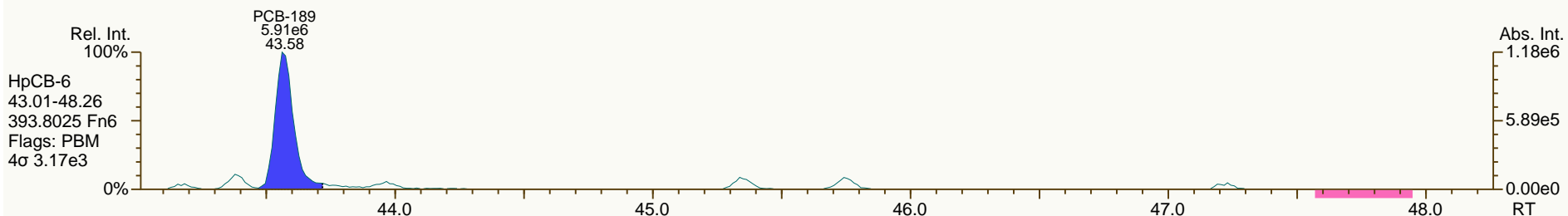
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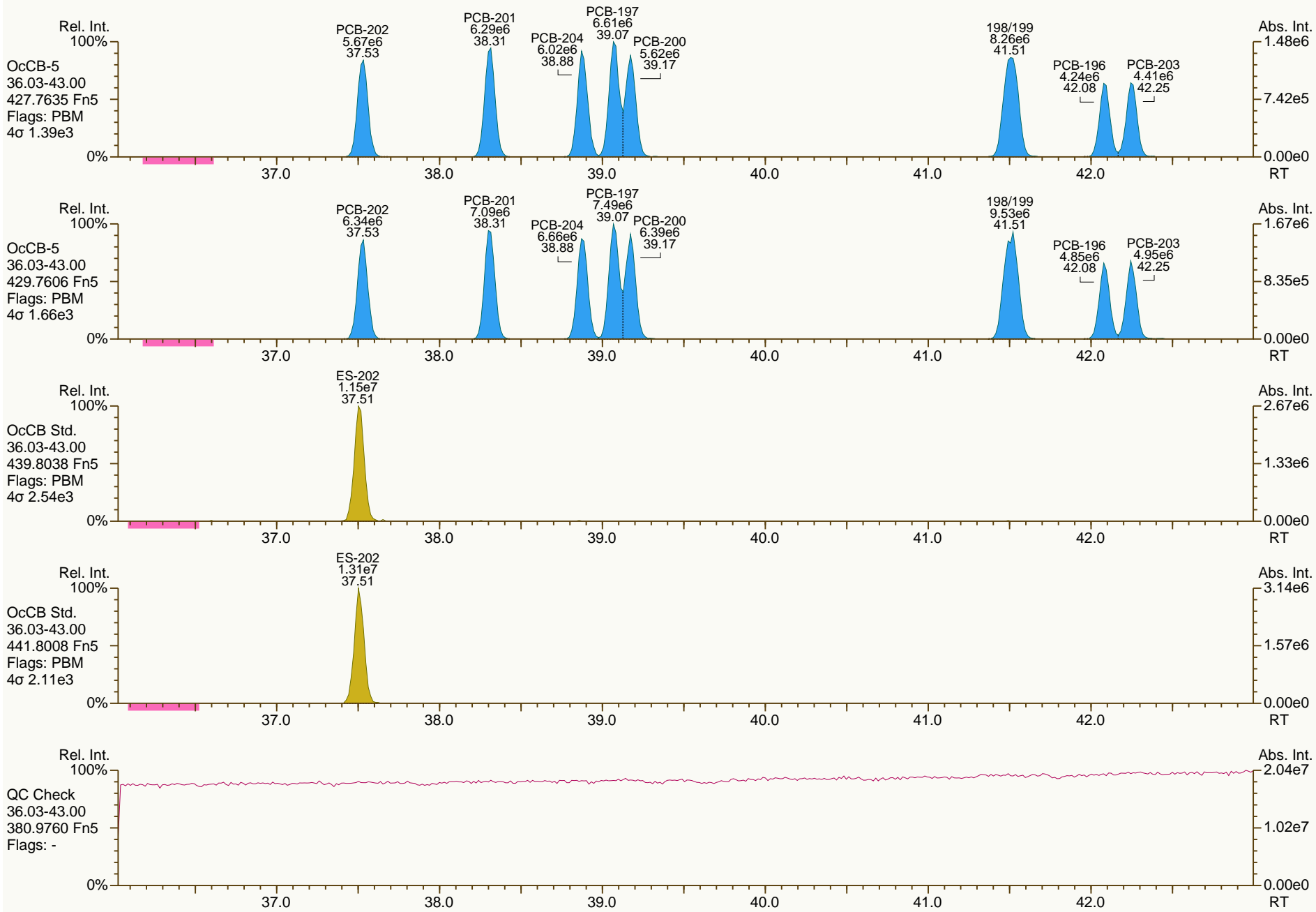
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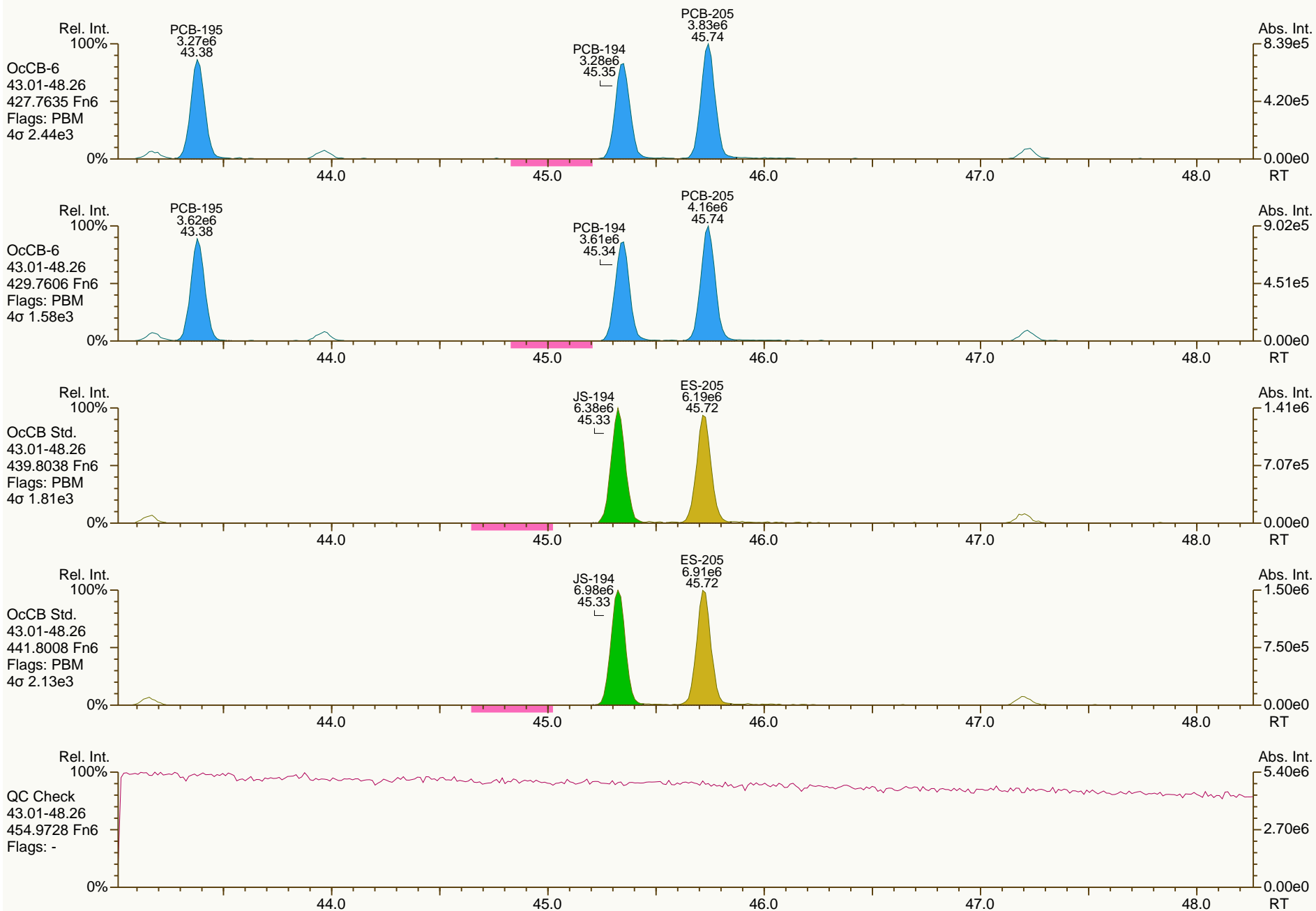
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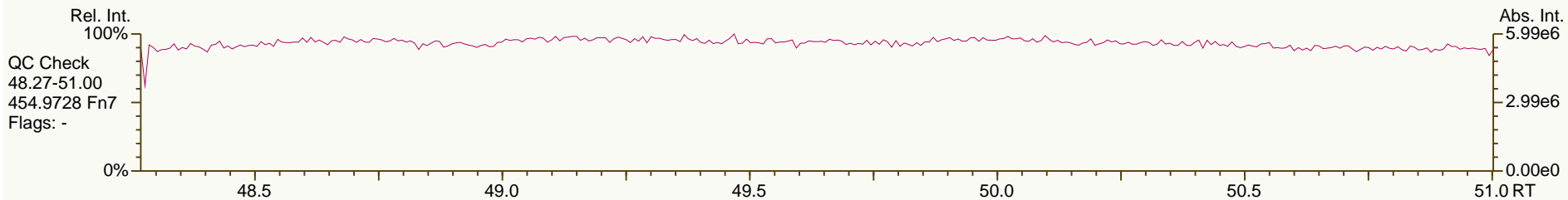
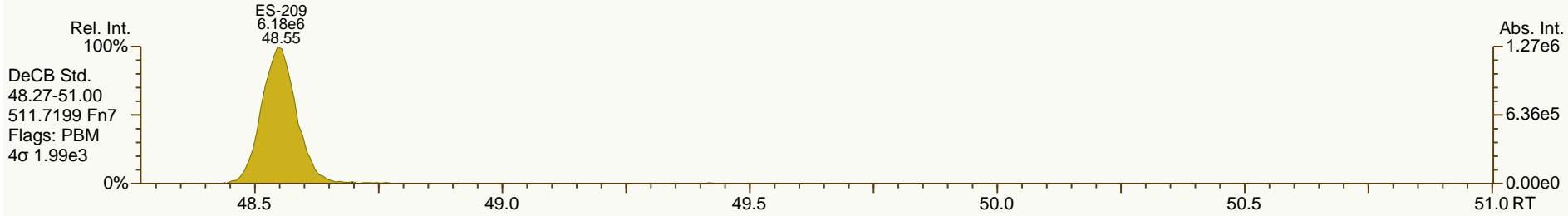
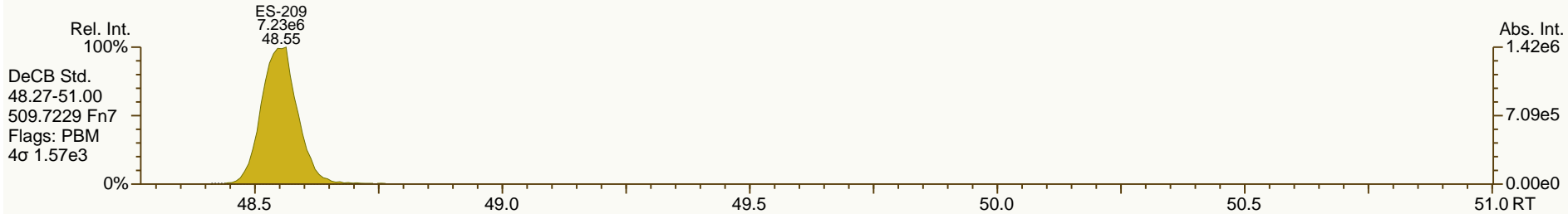
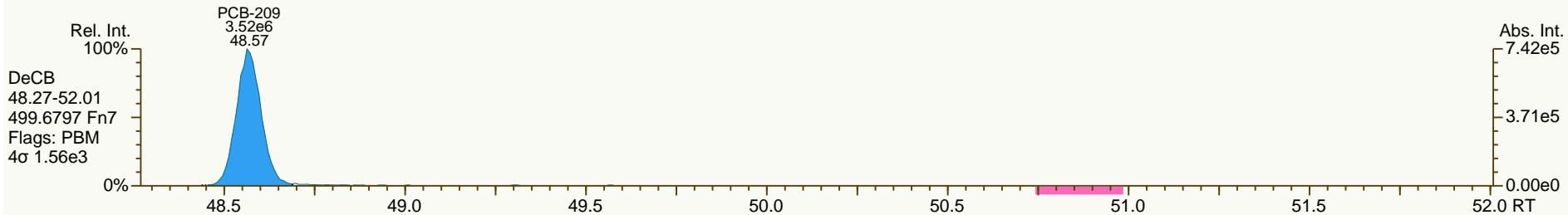
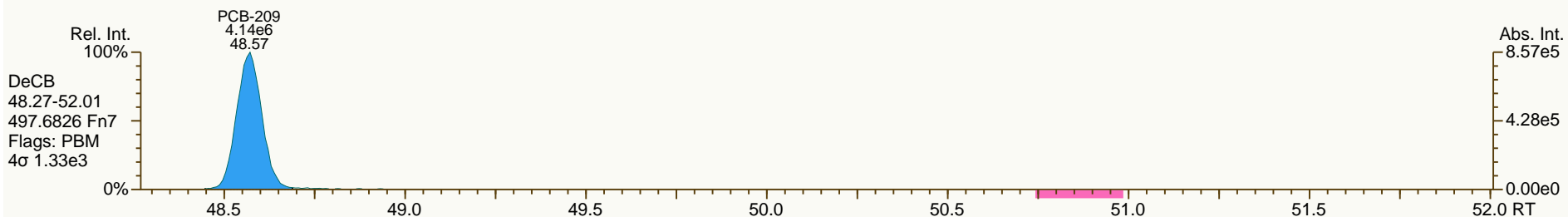
Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08



SGS-AP ID: OPR1_11123_PCB-RJ
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11123_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 12

Acq: 19-Jul-2013 13:44:20
 User: JLJ Datafile: 130719V08





16 October 2013

Delaney Peterson
ANCHOR QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Ph.: 206-903-9996
Email: dpeterson@anchorqea.com

Subject: Certificate of Results

Dear Delaney;

Attached to this narrative are the analytical results you requested on the samples submitted for the determination of polychlorinated biphenyl congeners. The insert below summarizes the relevant information pertaining to your project. In particular, QC annotations bring to your attention specific analytical observations and assessments made during the sample handling and data interpretation phases. Results reported relate only to the items tested.

Project Information Summary	When applicable, see QC Annotations for details
Client Project No.	Jeld-Wen Former Nord Door Site
AP Project #	A5941
Analytical Protocol	Method 1668A
No. Samples Submitted	8 (water rinsate in separate project)
No. Samples Analyzed	7
No. Laboratory Method Blanks	1
No. OPRs / Batch CS3	1
No. Outstanding Samples	0
Date Received	21-Sep-2013
Condition Received	good
Temperature upon Receipt (C)	3
Extraction within Holding Time	yes
Analysis within Holding Time	yes
Data meet QA/QC Requirements	yes
Exceptions	none
Analytical Difficulties	none

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

**QC Annotations:**

Please see Appendix A & B attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

Analytical Perspectives Certification IDs:

SOUTH CAROLINA	99054
ARKANSAS	88-0628
NEW JERSEY-NELAP SECONDARY	NC005
FLORIDA-NELAP PRIMARY	E87608
LOUISIANA	4024
NORTH CAROLINA	37783
WASHINGTON	C2027
NEW YORK	11988
VIRGINIA	460180
MINNESOTA	037-999-448
OREGON	pending
TEXAS	T104704484-10-1
PENNSYLVANIA-NELAP SECONDARY	68-01849

SGS Analytical Perspectives remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS Analytical Perspectives welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.ultratrace.com and click on the 'Leave Your Feedback Here!' link on the Home Page. Thank you for choosing SGS Analytical Perspectives.

Sincerely,

Todd Vilen
Project Manager
AK/ak



APPENDIX A: DATA QUALIFIERS / DATA ATTRIBUTES

>	Indicates high recoveries. Shown with the numeric value at the top of the range. ¹
B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve).
EMPC	Represents an Estimated Maximum Possible Concentration. EMPC's arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
ETH	Indicates the presence of a diphenyl ether that appears to interfere with the quantitation of a furan. The reported concentration is the maximum.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned. ¹
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
ND	Indicates a non-detect.
NR	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates. ¹
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.
X	Indicates results reported from reinjection, refractionation, or repeat analyses.

APPENDIX B: LAB ID IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.

¹Denotes data qualifiers/attributes whose use will be phased out over time

Sample ID: Method Blank A5941**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	n/a
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	MB1_11356_PCB_SDS	Date Extracted:	26-Sep-2013
Date Collected:	n/a	% Solids	n/a	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	ND	0.244			ES PCB-1	48.3	
PCB-81 344'5'-TeCB	ND	0.242			ES PCB-3	70.1	
PCB-105 233'44'-PeCB	ND	0.255			ES PCB-4	98.9	
PCB-114 2344'5'-PeCB	ND	0.232			ES PCB-15	99.6	
PCB-118 23'44'5'-PeCB	ND	0.232			ES PCB-19	100	
PCB-123 23'44'5'-PeCB	ND	0.22			ES PCB-37	91.4	
PCB-126 33'44'5'-PeCB	ND	0.327			ES PCB-54	76.4	
PCB-156/157 233'44'5'/233'44'5'-HxCB	ND	0.34		C	ES PCB-77	97.5	
PCB-167 23'44'55'-HxCB	ND	0.227			ES PCB-81	91.3	
PCB-169 33'44'55'-HxCB	ND	0.419			ES PCB-104	84.4	
PCB-189 233'44'55'-HpCB	ND	0.257			ES PCB-105	104	
					ES PCB-114	105	
					ES PCB-118	100	
TEQs (WHO M/H)					ES PCB-123	101	
					ES PCB-126	79	
ND = 0	0		0		ES PCB-153	83.7	
ND = 0.5 x DL	0.0227		0.0227		ES PCB-155	72.4	
ND = DL	0.0455		0.0455		ES PCB-156/157	83.6	
					ES PCB-167	82.5	
Totals					ES PCB-169	53.2	
Mono-CBs	ND	0.276			ES PCB-170	94.6	
Di-CBs	3.75				ES PCB-180	90.5	
Tri-CBs	ND	0.391			ES PCB-188	79.5	
Tetra-CBs	ND	0.274			ES PCB-189	80.4	
Penta-CBs	ND	0.239			ES PCB-202	81.7	
Hexa-CBs	ND	0.314			ES PCB-205	86.8	
Hepta-CBs	ND	0.3			ES PCB-206	95.6	
Octa-CBs	ND	0.27			ES PCB-208	92.8	
Nona-CBs	ND	0.418			ES PCB-209	85	
Deca-CB	ND	0.256			CS PCB-28	83.8	
					CS PCB-111	102	
Total PCB (Mono-Deca)	3.75		3.75		CS PCB-178	86.5	


Checkcode: 707-211-SGD

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:42 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: Method Blank A5941						Method 1668A								
Client Data			Sample Data			Laboratory Data								
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: n/a					
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: MB1_11356_PCB_SDS			Date Extracted: 26-Sep-2013					
Date Collected: n/a			% Solids: n/a			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013					
			Units: pg/g			Checkcode: 707-211-SGD			Time Analyzed: 14:30:05					
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	(0.293)		PCB-19	(0.436)		PCB-54	(0.219)		PCB-72	(0.264)				
PCB-2	(0.27)		PCB-30/18	(0.343)	C	PCB-50/53	(0.329)	C	PCB-68	(0.219)				
PCB-3	(0.259)		PCB-17	(0.394)		PCB-45	(0.388)		PCB-57	(0.244)				
			PCB-27	(0.299)		PCB-51	(0.315)		PCB-58	(0.237)				
Conc.	0		PCB-24	(0.304)		PCB-46	(0.395)		PCB-67	(0.225)				
EMPC	0		PCB-16	(0.533)		PCB-52	(0.338)		PCB-63	(0.218)				
			PCB-32	(0.276)		PCB-73	(0.269)		PCB-61/70/74/76	(0.237)	C			
Di	Conc.	Qualifiers	PCB-34	(0.347)		PCB-43	(0.371)		PCB-66	(0.252)				
PCB-4	(0.51)		PCB-23	(0.338)		PCB-69/49	(0.28)	C	PCB-55	(0.249)				
PCB-10	(0.328)		PCB-26/29	(0.343)	C	PCB-48	(0.338)		PCB-56	(0.253)				
PCB-9	(0.518)		PCB-25	(0.329)		PCB-44/47/65	(0.315)	C	PCB-60	(0.247)				
PCB-7	(0.464)		PCB-31	(0.326)		PCB-59/62/75	(0.251)	C	PCB-80	(0.212)				
PCB-6	(0.491)		PCB-28/20	(0.352)	C	PCB-42	(0.354)		PCB-79	(0.216)				
PCB-5	(0.486)		PCB-21/33	(0.338)	C	PCB-41	(0.4)		PCB-78	(0.269)				
PCB-8	(0.472)		PCB-22	(0.364)		PCB-71/40	(0.33)	C	PCB-81	(0.242)				
PCB-14	(0.405)		PCB-36	(0.341)		PCB-64	(0.233)		PCB-77	(0.244)				
PCB-11	3.75		PCB-39	(0.329)										
PCB-13/12	(0.485)	C	PCB-38	(0.366)										
PCB-15	(0.437)		PCB-35	(0.39)										
			PCB-37	(0.346)										
Conc.	3.75		Conc.	0					Conc.	0				
EMPC	3.75		EMPC	0					EMPC	0				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			3.75			3.75		
						Tetra-Hexa			0			0		
						Hepta-Deca			0			0		
						Mono-Deca			3.75			3.75		

Sample ID: Method Blank A5941						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.17)		PCB-108/119/86/97/125/87	(0.274)	C	PCB-155	(0.27)		PCB-165	(0.341)	
PCB-96	(0.195)		PCB-117	(0.237)		PCB-152	(0.298)		PCB-146	(0.377)	
PCB-103	(0.294)		PCB-116/85	(0.292)	C	PCB-150	(0.298)		PCB-161	(0.302)	
PCB-94	(0.344)		PCB-110	(0.234)		PCB-136	(0.332)		PCB-153/168	(0.31)	C
PCB-95	(0.319)		PCB-115	(0.245)		PCB-145	(0.319)		PCB-141	(0.4)	
PCB-100/93	(0.315)	C	PCB-82	(0.379)		PCB-148	(0.4)		PCB-130	(0.459)	
PCB-102	(0.277)		PCB-111	(0.221)		PCB-151/135	(0.412)	C	PCB-137	(0.374)	
PCB-98	(0.349)		PCB-120	(0.222)		PCB-154	(0.36)		PCB-164	(0.321)	
PCB-88	(0.346)		PCB-107/124	(0.249)	C	PCB-144	(0.397)		PCB-163/138/129	(0.385)	C
PCB-91	(0.274)		PCB-109	(0.216)		PCB-147/149	(0.39)	C	PCB-160	(0.344)	
PCB-84	(0.369)		PCB-123	(0.22)		PCB-134	(0.53)		PCB-158	(0.299)	
PCB-89	(0.341)		PCB-106	(0.236)		PCB-143	(0.388)		PCB-128/166	(0.293)	C
PCB-121	(0.222)		PCB-118	(0.232)		PCB-139/140	(0.389)	C	PCB-159	(0.246)	
PCB-92	(0.324)		PCB-122	(0.278)		PCB-131	(0.452)		PCB-162	(0.246)	
PCB-113/90/101	(0.272)	C	PCB-114	(0.232)		PCB-142	(0.45)		PCB-167	(0.227)	
PCB-83	(0.367)		PCB-105	(0.255)		PCB-132	(0.441)		PCB-156/157	(0.34)	C
PCB-99	(0.304)		PCB-127	(0.255)		PCB-133	(0.42)		PCB-169	(0.419)	
PCB-112	(0.238)		PCB-126	(0.327)							
			Conc.	0					Conc.	0	
			EMPC	0					EMPC	0	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.167)		PCB-174	(0.379)		PCB-202	(0.225)		PCB-208	(0.327)	
PCB-179	(0.174)		PCB-177	(0.4)		PCB-201	(0.2)		PCB-207	(0.329)	
PCB-184	(0.179)		PCB-181	(0.343)		PCB-204	(0.215)		PCB-206	(0.509)	
PCB-176	(0.16)		PCB-171/173	(0.401)	C	PCB-197	(0.194)				
PCB-186	(0.172)		PCB-172	(0.394)		PCB-200	(0.22)		Conc.	0	
PCB-178	(0.24)		PCB-192	(0.301)		PCB-198/199	(0.293)	C	EMPC	0	
PCB-175	(0.382)		PCB-180/193	(0.319)	C	PCB-196	(0.284)				
PCB-187	(0.337)		PCB-191	(0.287)		PCB-203	(0.273)		Deca	Conc.	Qualifiers
PCB-182	(0.324)		PCB-170	(0.396)		PCB-195	(0.425)		PCB-209	(0.256)	
PCB-183	(0.326)		PCB-190	(0.295)		PCB-194	(0.395)				
PCB-185	(0.364)		PCB-189	(0.257)		PCB-205	(0.315)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: JW-302-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_001	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	50.0 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g				%
PCB-77 33'44'-TeCB	28.5				ES PCB-1	49.3	
PCB-81 344'5'-TeCB	0.689			J	ES PCB-3	69.2	
PCB-105 233'44'-PeCB	165				ES PCB-4	86.6	
PCB-114 2344'5'-PeCB	8.3				ES PCB-15	99	
PCB-118 23'44'5'-PeCB	387				ES PCB-19	84.5	
PCB-123 23'44'5'-PeCB	6.75				ES PCB-37	90.1	
PCB-126 33'44'5'-PeCB	1.97				ES PCB-54	71.9	
PCB-156/157 233'44'5'/233'44'5'-HxCB	53.6			C	ES PCB-77	91	
PCB-167 23'44'55'-HxCB	15.5				ES PCB-81	90.6	
PCB-169 33'44'55'-HxCB	ND	1.09			ES PCB-104	81.6	
PCB-189 233'44'55'-HpCB	3.12				ES PCB-105	101	
					ES PCB-114	100	
TEQs (WHO M/H)					ES PCB-118	100	
					ES PCB-123	96.7	
ND = 0	0.219		0.219		ES PCB-126	79.9	
ND = 0.5 x DL	0.235		0.235		ES PCB-153	84.6	
ND = DL	0.252		0.252		ES PCB-155	69.3	
					ES PCB-156/157	81.2	
Totals					ES PCB-167	82.9	
Mono-CBs	381				ES PCB-169	42.1	
Di-CBs	377				ES PCB-170	87	
Tri-CBs	865		866		ES PCB-180	84.1	
Tetra-CBs	1,570		1,580		ES PCB-188	72.3	
Penta-CBs	2,360		2,360		ES PCB-189	79.2	
Hexa-CBs	1,590		1,600		ES PCB-202	76.8	
Hepta-CBs	499				ES PCB-205	81.3	
Octa-CBs	133		134		ES PCB-206	88.1	
Nona-CBs	33.9				ES PCB-208	82.3	
Deca-CB	12				ES PCB-209	73.4	
					CS PCB-28	90.3	
Total PCB (Mono-Deca)	7,830		7,840		CS PCB-111	99.9	
					CS PCB-178	91.3	


Checkcode: 128-706-ZXQ

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:44 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-302-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_001			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 50.0 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 128-706-ZXQ			Time Analyzed: 15:25:22								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	139		PCB-19	5.1		PCB-54	(0.294)		PCB-72	2.69							
PCB-2	64.8		PCB-30/18	84.3	C	PCB-50/53	13.1	C	PCB-68	1.63							
PCB-3	177		PCB-17	44		PCB-45	13.3		PCB-57	[0.775]	J EMPC						
			PCB-27	7.62		PCB-51	4.05		PCB-58	(0.64)							
Conc.	381		PCB-24	1.07		PCB-46	5.37		PCB-67	7.6							
EMPC	381		PCB-16	41.7		PCB-52	211		PCB-63	7.45							
			PCB-32	33.2		PCB-73	(0.3)		PCB-61/70/74/76	398	C						
Di	Conc.	Qualifiers	PCB-34	[0.757]	J EMPC	PCB-43	4.41		PCB-66	238							
PCB-4	23.6		PCB-23	(0.62)		PCB-69/49	101	C	PCB-55	(0.674)							
PCB-10	1.66		PCB-26/29	27.9	C	PCB-48	27.2		PCB-56	98.7							
PCB-9	7.29		PCB-25	14.6		PCB-44/47/65	159	C	PCB-60	47.4							
PCB-7	5.85		PCB-31	157		PCB-59/62/75	13.6	C	PCB-80	(0.572)							
PCB-6	19.7		PCB-28/20	220	C	PCB-42	41.7		PCB-79	3.69							
PCB-5	3.17		PCB-21/33	83.2	C	PCB-41	11.3		PCB-78	(0.728)							
PCB-8	87.6		PCB-22	64.2		PCB-71/40	69.2	C	PCB-81	0.689	J						
PCB-14	(0.353)		PCB-36	1.79		PCB-64	65.6		PCB-77	28.5							
PCB-11	131		PCB-39	(0.603)													
PCB-13/12	21.8	C	PCB-38	2.11													
PCB-15	75.6		PCB-35	8.32													
			PCB-37	69.5													
Conc.	377		Conc.	865					Conc.	1,570							
EMPC	377		EMPC	866					EMPC	1,580							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						1,620			1,620		
						Tetra-Hexa						5,530			5,540		
						Hepta-Deca						679			680		
						Mono-Deca						7,830			7,840		

Sample ID: JW-302-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.219)		PCB-108/119/86/97/125/87	237	C	PCB-155	(0.174)		PCB-165	(0.213)	
PCB-96	1.64		PCB-117	9.81		PCB-152	(0.192)		PCB-146	55.7	
PCB-103	2.11		PCB-116/85	65.5	C	PCB-150	(0.193)		PCB-161	(0.188)	
PCB-94	(0.513)		PCB-110	413		PCB-136	35.4		PCB-153/168	286	C
PCB-95	216		PCB-115	(0.366)		PCB-145	(0.206)		PCB-141	51.5	
PCB-100/93	(0.47)	C	PCB-82	43		PCB-148	0.61	J	PCB-130	28	
PCB-102	6.88		PCB-111	(0.33)		PCB-151/135	89.5	C	PCB-137	18.8	
PCB-98	(0.521)		PCB-120	(0.332)		PCB-154	[4.48]	EMPC	PCB-164	25.2	
PCB-88	(0.516)		PCB-107/124	15.5	C	PCB-144	12.4		PCB-163/138/129	420	C
PCB-91	34.6		PCB-109	28.9		PCB-147/149	234	C	PCB-160	(0.214)	
PCB-84	73.1		PCB-123	6.75		PCB-134	22.1		PCB-158	37.8	
PCB-89	[2.82]	EMPC	PCB-106	(0.352)		PCB-143	(0.242)		PCB-128/166	72.7	C
PCB-121	(0.331)		PCB-118	387		PCB-139/140	7.37	C	PCB-159	[2.28]	EMPC
PCB-92	66.2		PCB-122	5.77		PCB-131	4.98		PCB-162	1.67	
PCB-113/90/101	353	C	PCB-114	8.3		PCB-142	(0.28)		PCB-167	15.5	
PCB-83	17.6		PCB-105	165		PCB-132	112		PCB-156/157	53.6	C
PCB-99	199		PCB-127	(0.372)		PCB-133	6.46		PCB-169	(1.09)	
PCB-112	0.73	J	PCB-126	[1.97]							
			Conc.	2,360					Conc.	1,590	
			EMPC	2,360					EMPC	1,600	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.199)		PCB-174	53.1		PCB-202	9.05		PCB-208	6.73	
PCB-179	23.4		PCB-177	40.2		PCB-201	4.26		PCB-207	2.73	
PCB-184	(0.214)		PCB-181	(0.487)		PCB-204	(0.27)		PCB-206	24.4	
PCB-176	6.5		PCB-171/173	19.5	C	PCB-197	[1]	EMPC			
PCB-186	(0.206)		PCB-172	11.1		PCB-200	3.11		Conc.	33.9	
PCB-178	15.4		PCB-192	(0.427)		PCB-198/199	34.8	C	EMPC	33.9	
PCB-175	3.01		PCB-180/193	126	C	PCB-196	14.1				
PCB-187	83.9		PCB-191	2.44		PCB-203	22.8		Deca	Conc.	Qualifiers
PCB-182	(0.461)		PCB-170	62		PCB-195	11.6		PCB-209	12	
PCB-183	32.1		PCB-190	10.8		PCB-194	32.1				
PCB-185	6.41		PCB-189	3.12		PCB-205	1.5				
			Conc.	499		Conc.	133				
			EMPC	499		EMPC	134				

Sample ID: JW-301-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_002	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	48.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	47.2				ES PCB-1	59.4	
PCB-81 344'5'-TeCB	EMPC		1.75		ES PCB-3	79.9	
PCB-105 233'44'-PeCB	262				ES PCB-4	94.9	
PCB-114 2344'5'-PeCB	12.1				ES PCB-15	104	
PCB-118 23'44'5'-PeCB	615				ES PCB-19	94.4	
PCB-123 23'44'5'-PeCB	8.75				ES PCB-37	96.3	
PCB-126 33'44'5'-PeCB	3.46				ES PCB-54	75.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	78.9			C	ES PCB-77	97.9	
PCB-167 23'44'55'-HxCB	22.8				ES PCB-81	99.2	
PCB-169 33'44'55'-HxCB	ND	0.895			ES PCB-104	82.2	
PCB-189 233'44'55'-HpCB	4.52				ES PCB-105	103	
					ES PCB-114	107	
TEQs (WHO M/H)					ES PCB-118	106	
					ES PCB-123	102	
ND = 0	0.381		0.381		ES PCB-126	87.7	
ND = 0.5 x DL	0.394		0.395		ES PCB-153	83.1	
ND = DL	0.408		0.408		ES PCB-155	74.1	
					ES PCB-156/157	86.2	
Totals					ES PCB-167	87.3	
Mono-CBs	188				ES PCB-169	71	
Di-CBs	569				ES PCB-170	92.1	
Tri-CBs	1,570		1,570		ES PCB-180	86.8	
Tetra-CBs	2,780		2,780		ES PCB-188	76.4	
Penta-CBs	3,760		3,760		ES PCB-189	86.7	
Hexa-CBs	2,580				ES PCB-202	79.7	
Hepta-CBs	899				ES PCB-205	84.7	
Octa-CBs	241				ES PCB-206	97	
Nona-CBs	43				ES PCB-208	87.1	
Deca-CB	17				ES PCB-209	75	
					CS PCB-28	90.1	
Total PCB (Mono-Deca)	12,600		12,600		CS PCB-111	101	
					CS PCB-178	88.9	


Checkcode: 380-307-XBK

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:44 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-301-130919						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_002			Date Extracted: 26-Sep-2013		
Date Collected: 19-Sep-2013			% Solids: 48.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013		
			Units: pg/g			Checkcode: 380-307-XBK			Time Analyzed: 16:20:38		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	83		PCB-19	8.74		PCB-54	(0.274)		PCB-72	4.86	
PCB-2	36.1		PCB-30/18	140	C	PCB-50/53	20.8	C	PCB-68	2.62	
PCB-3	68.8		PCB-17	72.6		PCB-45	22.4		PCB-57	1.51	
			PCB-27	12.1		PCB-51	4.67		PCB-58	1.21	
Conc.	188		PCB-24	2.02		PCB-46	7.34		PCB-67	11.9	
EMPC	188		PCB-16	67.1		PCB-52	385		PCB-63	13.4	
			PCB-32	54.2		PCB-73	(0.389)		PCB-61/70/74/76	725	C
Di	Conc.	Qualifiers	PCB-34	[1.42]	EMPC	PCB-43	7.37		PCB-66	426	
PCB-4	35.8		PCB-23	(0.853)		PCB-69/49	174	C	PCB-55	(0.69)	
PCB-10	2.21		PCB-26/29	49.6	C	PCB-48	44.7		PCB-56	175	
PCB-9	10.8		PCB-25	25.4		PCB-44/47/65	274	C	PCB-60	87.4	
PCB-7	8.64		PCB-31	298		PCB-59/62/75	21.4	C	PCB-80	(0.586)	
PCB-6	31.4		PCB-28/20	415	C	PCB-42	68.1		PCB-79	5.05	
PCB-5	3.73		PCB-21/33	159	C	PCB-41	17.5		PCB-78	(0.746)	
PCB-8	157		PCB-22	121		PCB-71/40	115	C	PCB-81	[1.75]	EMPC
PCB-14	(0.468)		PCB-36	3		PCB-64	114		PCB-77	47.2	
PCB-11	187		PCB-39	2.05							
PCB-13/12	21.2	C	PCB-38	(0.925)							
PCB-15	111		PCB-35	11.9							
			PCB-37	126							
Conc.	569		Conc.	1,570					Conc.	2,780	
EMPC	569		EMPC	1,570					EMPC	2,780	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		2,320		2,320	
						Tetra-Hexa		9,120		9,120	
						Hepta-Deca		1,200		1,200	
						Mono-Deca		12,600		12,600	

Sample ID: JW-301-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.232)		PCB-108/119/86/97/125/87	377	C	PCB-155	(0.152)		PCB-165	(0.235)	
PCB-96	2.39		PCB-117	14.2		PCB-152	0.331	J	PCB-146	91.3	
PCB-103	3.82		PCB-116/85	98.3	C	PCB-150	(0.168)		PCB-161	(0.208)	
PCB-94	[1.69]	EMPC	PCB-110	666		PCB-136	54.3		PCB-153/168	473	C
PCB-95	357		PCB-115	(0.469)		PCB-145	(0.179)		PCB-141	83.2	
PCB-100/93	[3.2]	EMPC C	PCB-82	67.7		PCB-148	1.12		PCB-130	43.2	
PCB-102	11		PCB-111	(0.423)		PCB-151/135	154	C	PCB-137	27.3	
PCB-98	(0.667)		PCB-120	(0.425)		PCB-154	7.92		PCB-164	40.6	
PCB-88	(0.661)		PCB-107/124	23.6	C	PCB-144	19.9		PCB-163/138/129	683	C
PCB-91	55.2		PCB-109	44.6		PCB-147/149	392	C	PCB-160	(0.236)	
PCB-84	124		PCB-123	8.75		PCB-134	34.3		PCB-158	62.2	
PCB-89	4.38		PCB-106	(0.451)		PCB-143	(0.267)		PCB-128/166	105	C
PCB-121	(0.425)		PCB-118	615		PCB-139/140	10.3	C	PCB-159	3.55	
PCB-92	106		PCB-122	8.39		PCB-131	7.16		PCB-162	2.57	
PCB-113/90/101	557	C	PCB-114	12.1		PCB-142	(0.309)		PCB-167	22.8	
PCB-83	31.8		PCB-105	262		PCB-132	179		PCB-156/157	78.9	C
PCB-99	306		PCB-127	(0.494)		PCB-133	(0.289)		PCB-169	(0.895)	
PCB-112	(0.455)		PCB-126	3.46							
			Conc.	3,760					Conc.	2,580	
			EMPC	3,760					EMPC	2,580	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.191)		PCB-174	99.2		PCB-202	15.1		PCB-208	9.37	
PCB-179	40.2		PCB-177	72.7		PCB-201	7.23		PCB-207	3.77	
PCB-184	(0.205)		PCB-181	1.4		PCB-204	(0.307)		PCB-206	29.9	
PCB-176	10.5		PCB-171/173	35.7	C	PCB-197	1.62				
PCB-186	(0.197)		PCB-172	20.7		PCB-200	6.05		Conc.	43	
PCB-178	24.5		PCB-192	(0.518)		PCB-198/199	60.9	C	EMPC	43	
PCB-175	(0.658)		PCB-180/193	235	C	PCB-196	26				
PCB-187	151		PCB-191	4.55		PCB-203	38.5		Deca	Conc.	Qualifiers
PCB-182	(0.559)		PCB-170	109		PCB-195	22		PCB-209	17	
PCB-183	59.9		PCB-190	20.3		PCB-194	61.4				
PCB-185	9.67		PCB-189	4.52		PCB-205	2.73				
			Conc.	899		Conc.	241				
			EMPC	899		EMPC	241				

Sample ID: JW-BL-307-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.00 g	Sample ID:	A5941_11356_PCB_003	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	82.4 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	3.18				ES PCB-1	53.5	
PCB-81 344'5'-TeCB	ND	0.608			ES PCB-3	71	
PCB-105 233'44'-PeCB	38.9				ES PCB-4	83.2	
PCB-114 2344'5'-PeCB	1.61				ES PCB-15	91.2	
PCB-118 23'44'5'-PeCB	145				ES PCB-19	86.9	
PCB-123 23'44'5'-PeCB	EMPC		1.69		ES PCB-37	87.1	
PCB-126 33'44'5'-PeCB	ND	0.603			ES PCB-54	69.6	
PCB-156/157 233'44'5'/233'44'5'-HxCB	91			C	ES PCB-77	89.9	
PCB-167 23'44'55'-HxCB	36.4				ES PCB-81	89.1	
PCB-169 33'44'55'-HxCB	ND	1.68			ES PCB-104	76.6	
PCB-189 233'44'55'-HpCB	15.3				ES PCB-105	102	
					ES PCB-114	101	
TEQs (WHO M/H)					ES PCB-118	98	
					ES PCB-123	96.7	
ND = 0	0.0102		0.0102		ES PCB-126	75.7	
ND = 0.5 x DL	0.0656		0.0656		ES PCB-153	80	
ND = DL	0.121		0.121		ES PCB-155	66.1	
					ES PCB-156/157	79.2	
Totals					ES PCB-167	78.2	
Mono-CBs	37.1				ES PCB-169	39.2	
Di-CBs	17.9				ES PCB-170	85.3	
Tri-CBs	29.3				ES PCB-180	87.8	
Tetra-CBs	131				ES PCB-188	70.2	
Penta-CBs	1,540		1,540		ES PCB-189	79.5	
Hexa-CBs	5,410		5,410		ES PCB-202	76.1	
Hepta-CBs	2,990				ES PCB-205	80.9	
Octa-CBs	430				ES PCB-206	88.2	
Nona-CBs	27.4				ES PCB-208	85.5	
Deca-CB	9.87				ES PCB-209	76.1	
					CS PCB-28	83.2	
Total PCB (Mono-Deca)	10,600		10,600		CS PCB-111	96.1	
					CS PCB-178	80.4	


Checkcode: 510-841-WYD

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:47 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-307-130919						Method 1668A								
Client Data			Sample Data			Laboratory Data								
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013					
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.00 g			Sample ID: A5941_11356_PCB_003			Date Extracted: 26-Sep-2013					
Date Collected: 19-Sep-2013			% Solids: 82.4 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013					
			Units: pg/g			Checkcode: 510-841-WYD			Time Analyzed: 17:15:55					
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers			
PCB-1	11.5		PCB-19	(0.659)		PCB-54	(0.288)		PCB-72	(0.662)				
PCB-2	2.27		PCB-30/18	2.94	C	PCB-50/53	1.49	J C	PCB-68	(0.55)				
PCB-3	23.3		PCB-17	1.5		PCB-45	1.37		PCB-57	(0.613)				
			PCB-27	(0.452)		PCB-51	(0.42)		PCB-58	(0.594)				
Conc.	37.1		PCB-24	(0.459)		PCB-46	(0.526)		PCB-67	(0.565)				
EMPC	37.1		PCB-16	1.71		PCB-52	45.4		PCB-63	(0.547)				
			PCB-32	1.11		PCB-73	(0.357)		PCB-61/70/74/76	27.6	C			
Di	Conc.	Qualifiers	PCB-34	(0.412)		PCB-43	(0.493)		PCB-66	13.4				
PCB-4	1.02		PCB-23	(0.4)		PCB-69/49	7.07	C	PCB-55	(0.625)				
PCB-10	(0.479)		PCB-26/29	0.804	J C	PCB-48	1.17		PCB-56	6.07				
PCB-9	0.813	J	PCB-25	(0.39)		PCB-44/47/65	10.9	C	PCB-60	3.04				
PCB-7	(0.507)		PCB-31	5.49		PCB-59/62/75	0.487	J C	PCB-80	(0.531)				
PCB-6	1.32		PCB-28/20	7.52	C	PCB-42	2.02		PCB-79	(0.543)				
PCB-5	(0.53)		PCB-21/33	2.67	C	PCB-41	(0.532)		PCB-78	(0.676)				
PCB-8	4.85		PCB-22	1.98		PCB-71/40	3.56	C	PCB-81	(0.608)				
PCB-14	(0.442)		PCB-36	(0.404)		PCB-64	4.16		PCB-77	3.18				
PCB-11	5.34	B	PCB-39	(0.39)										
PCB-13/12	1.07	J C	PCB-38	(0.434)										
PCB-15	3.46		PCB-35	(0.462)										
			PCB-37	3.56										
Conc.	17.9		Conc.	29.3					Conc.	131				
EMPC	17.9		EMPC	29.3					EMPC	131				
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC		
						Mono-Tri			84.2			84.2		
						Tetra-Hexa			7,080			7,080		
						Hepta-Deca			3,460			3,460		
Mono-Deca			10,600			10,600								

Sample ID: JW-BL-307-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.213)		PCB-108/119/86/97/125/87	109	C	PCB-155	(0.203)		PCB-165	(0.235)	
PCB-96	(0.245)		PCB-117	(0.543)		PCB-152	(0.224)		PCB-146	162	
PCB-103	(0.674)		PCB-116/85	14.2	C	PCB-150	(0.224)		PCB-161	(0.208)	
PCB-94	(0.789)		PCB-110	264		PCB-136	189		PCB-153/168	990	C
PCB-95	377		PCB-115	(0.562)		PCB-145	(0.239)		PCB-141	299	
PCB-100/93	(0.722)	C	PCB-82	6.66		PCB-148	(0.275)		PCB-130	54.9	
PCB-102	1.39		PCB-111	(0.507)		PCB-151/135	484	C	PCB-137	(0.257)	
PCB-98	(0.8)		PCB-120	(0.509)		PCB-154	[2.55]	EMPC	PCB-164	105	
PCB-88	(0.793)		PCB-107/124	5.51	C	PCB-144	68.7		PCB-163/138/129	1,200	C
PCB-91	6.6		PCB-109	5.73		PCB-147/149	1,010	C	PCB-160	(0.236)	
PCB-84	33.7		PCB-123	[1.69]	EMPC	PCB-134	66.6		PCB-158	109	
PCB-89	(0.783)		PCB-106	(0.541)		PCB-143	(0.267)		PCB-128/166	115	C
PCB-121	(0.509)		PCB-118	145		PCB-139/140	3.78	C	PCB-159	17.2	
PCB-92	67.7		PCB-122	1.14		PCB-131	9.57		PCB-162	2.32	
PCB-113/90/101	416	C	PCB-114	1.61		PCB-142	(0.309)		PCB-167	36.4	
PCB-83	6.06		PCB-105	38.9		PCB-132	377		PCB-156/157	91	C
PCB-99	39		PCB-127	(0.561)		PCB-133	15.5		PCB-169	(1.68)	
PCB-112	(0.546)		PCB-126	(0.603)							
			Conc.	1,540					Conc.	5,410	
			EMPC	1,540					EMPC	5,410	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.201)		PCB-174	391		PCB-202	18.2		PCB-208	5.54	
PCB-179	145		PCB-177	229		PCB-201	12.9		PCB-207	2.21	
PCB-184	(0.216)		PCB-181	2.93		PCB-204	(0.358)		PCB-206	19.7	
PCB-176	46.1		PCB-171/173	128	C	PCB-197	4.03				
PCB-186	(0.207)		PCB-172	70.8		PCB-200	13.6		Conc.	27.4	
PCB-178	75.1		PCB-192	(0.62)		PCB-198/199	104	C	EMPC	27.4	
PCB-175	19.6		PCB-180/193	752	C	PCB-196	53.6				
PCB-187	376		PCB-191	18.3		PCB-203	61.1		Deca	Conc.	Qualifiers
PCB-182	(0.669)		PCB-170	412		PCB-195	50.1		PCB-209	9.87	
PCB-183	205		PCB-190	70.8		PCB-194	106				
PCB-185	31.2		PCB-189	15.3		PCB-205	5.74				
			Conc.	2,990		Conc.	430				
			EMPC	2,990		EMPC	430				

Sample ID: JW-BL-303-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_004	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	81.5 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	6.09				ES PCB-1	42	
PCB-81 344'5'-TeCB	ND	0.447			ES PCB-3	64.1	
PCB-105 233'44'-PeCB	54.1				ES PCB-4	75.3	
PCB-114 2344'5'-PeCB	2.59				ES PCB-15	92.1	
PCB-118 23'44'5'-PeCB	104				ES PCB-19	83.5	
PCB-123 23'44'5'-PeCB	2.64				ES PCB-37	85.4	
PCB-126 33'44'5'-PeCB	ND	0.571			ES PCB-54	66.5	
PCB-156/157 233'44'5'/233'44'5'-HxCB	25.4			C	ES PCB-77	90.1	
PCB-167 23'44'55'-HxCB	8.08				ES PCB-81	89.5	
PCB-169 33'44'55'-HxCB	ND	1.38			ES PCB-104	79	
PCB-189 233'44'55'-HpCB	EMPC		1.48		ES PCB-105	104	
					ES PCB-114	104	
TEQs (WHO M/H)					ES PCB-118	103	
					ES PCB-123	104	
ND = 0	0.00653		0.00657		ES PCB-126	66.4	
ND = 0.5 x DL	0.0558		0.0558		ES PCB-153	86.4	
ND = DL	0.105		0.105		ES PCB-155	67.5	
					ES PCB-156/157	83.6	
Totals					ES PCB-167	85.1	
Mono-CBs	19.6				ES PCB-169	26.8	
Di-CBs	23.8		29.8		ES PCB-170	91.6	
Tri-CBs	77.1		80.1		ES PCB-180	90.5	
Tetra-CBs	256		259		ES PCB-188	75	
Penta-CBs	672		674		ES PCB-189	86.7	
Hexa-CBs	769		771		ES PCB-202	81.5	
Hepta-CBs	407		411		ES PCB-205	87.1	
Octa-CBs	206		207		ES PCB-206	98.8	
Nona-CBs	55.8				ES PCB-208	92.2	
Deca-CB	14.3				ES PCB-209	82.9	
					CS PCB-28	87	
Total PCB (Mono-Deca)	2,500		2,520		CS PCB-111	103	
					CS PCB-178	86.2	


Checkcode: 709-812-FQW

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:47 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-303-130919						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_004			Date Extracted: 26-Sep-2013		
Date Collected: 19-Sep-2013			% Solids: 81.5 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013		
			Units: pg/g			Checkcode: 709-812-FQW			Time Analyzed: 18:11:11		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	6.41		PCB-19	1.14		PCB-54	(0.393)		PCB-72	(0.487)	
PCB-2	3.34		PCB-30/18	6.57	C	PCB-50/53	3.77	C	PCB-68	(0.404)	
PCB-3	9.87		PCB-17	3.19		PCB-45	2.99		PCB-57	(0.45)	
			PCB-27	(0.472)		PCB-51	0.629	J	PCB-58	(0.437)	
Conc.	19.6		PCB-24	(0.48)		PCB-46	1.28		PCB-67	(0.415)	
EMPC	19.6		PCB-16	3.4		PCB-52	44.4		PCB-63	[0.805]	J EMPC
			PCB-32	3.31		PCB-73	(0.359)		PCB-61/70/74/76	62.2	C
Di	Conc.	Qualifiers	PCB-34	(0.47)		PCB-43	(0.496)		PCB-66	34.8	
PCB-4	1.83		PCB-23	(0.456)		PCB-69/49	15.7	C	PCB-55	(0.46)	
PCB-10	(0.362)		PCB-26/29	[1.95]	J EMPC C	PCB-48	3.29		PCB-56	15.7	
PCB-9	(0.747)		PCB-25	[1.04]	EMPC	PCB-44/47/65	27.1	C	PCB-60	8.47	
PCB-7	(0.67)		PCB-31	14.3		PCB-59/62/75	1.99	J C	PCB-80	(0.39)	
PCB-6	1.59		PCB-28/20	19.5	C	PCB-42	5.78		PCB-79	[0.683]	J EMPC
PCB-5	(0.701)		PCB-21/33	7.57	C	PCB-41	[1.13]	EMPC	PCB-78	(0.497)	
PCB-8	8.22		PCB-22	5.75		PCB-71/40	11.1	C	PCB-81	(0.447)	
PCB-14	(0.584)		PCB-36	(0.461)		PCB-64	11		PCB-77	6.09	
PCB-11	[6.01]	B EMPC	PCB-39	(0.444)							
PCB-13/12	2.14	C	PCB-38	(0.495)							
PCB-15	10		PCB-35	0.785	J						
			PCB-37	11.6							
Conc.	23.8		Conc.	77.1					Conc.	256	
EMPC	29.8		EMPC	80.1					EMPC	259	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		120		129	
						Tetra-Hexa		1,700		1,700	
						Hepta-Deca		682		688	
						Mono-Deca		2,500		2,520	

Sample ID: JW-BL-303-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.199)		PCB-108/119/86/97/125/87	60.5	C	PCB-155	(0.204)		PCB-165	(0.234)	
PCB-96	[0.527]	J EMPC	PCB-117	3.46		PCB-152	(0.225)		PCB-146	25	
PCB-103	(0.451)		PCB-116/85	19.4	C	PCB-150	(0.226)		PCB-161	(0.207)	
PCB-94	(0.528)		PCB-110	148		PCB-136	17		PCB-153/168	128	C
PCB-95	65.2		PCB-115	(0.376)		PCB-145	(0.241)		PCB-141	21.9	
PCB-100/93	(0.483)	C	PCB-82	11.8		PCB-148	(0.274)		PCB-130	14.1	
PCB-102	2		PCB-111	(0.34)		PCB-151/135	36	C	PCB-137	9.18	
PCB-98	(0.536)		PCB-120	(0.341)		PCB-154	1.14		PCB-164	15.5	
PCB-88	(0.531)		PCB-107/124	4.81	C	PCB-144	4.56		PCB-163/138/129	218	C
PCB-91	10.9		PCB-109	8.18		PCB-147/149	117	C	PCB-160	(0.236)	
PCB-84	22.4		PCB-123	2.64		PCB-134	8.54		PCB-158	20	
PCB-89	[0.859]	J EMPC	PCB-106	(0.362)		PCB-143	(0.266)		PCB-128/166	42.7	C
PCB-121	(0.341)		PCB-118	104		PCB-139/140	3.23	C	PCB-159	2.17	
PCB-92	14.9		PCB-122	2.13		PCB-131	[1.66]	EMPC	PCB-162	0.858	J
PCB-113/90/101	81.1	C	PCB-114	2.59		PCB-142	(0.308)		PCB-167	8.08	
PCB-83	4.87		PCB-105	54.1		PCB-132	47.1		PCB-156/157	25.4	C
PCB-99	48.8		PCB-127	(0.386)		PCB-133	3.03		PCB-169	(1.38)	
PCB-112	(0.366)		PCB-126	(0.571)							
			Conc.	672					Conc.	769	
			EMPC	674					EMPC	771	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.188)		PCB-174	47.6		PCB-202	16		PCB-208	11.5	
PCB-179	18.6		PCB-177	29.2		PCB-201	5.63		PCB-207	4.06	
PCB-184	(0.202)		PCB-181	(0.455)		PCB-204	(0.307)		PCB-206	40.2	
PCB-176	4.45		PCB-171/173	14.2	C	PCB-197	[0.9]	J EMPC			
PCB-186	(0.194)		PCB-172	7.85		PCB-200	6.4		Conc.	55.8	
PCB-178	10.9		PCB-192	(0.399)		PCB-198/199	64.6	C	EMPC	55.8	
PCB-175	[0.99]	J EMPC	PCB-180/193	106	C	PCB-196	17.2				
PCB-187	80.8		PCB-191	[1.79]	EMPC	PCB-203	38.9		Deca	Conc.	Qualifiers
PCB-182	(0.43)		PCB-170	48.2		PCB-195	14.1		PCB-209	14.3	
PCB-183	26.5		PCB-190	9.31		PCB-194	41.1				
PCB-185	3.39		PCB-189	[1.48]	EMPC	PCB-205	1.86				
			Conc.	407		Conc.	206				
			EMPC	411		EMPC	207				

Sample ID: JW-BL-305-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.01 g	Sample ID:	A5941_11356_PCB_005	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	91.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	1.99				ES PCB-1	31.4	
PCB-81 344'5'-TeCB	ND	0.493			ES PCB-3	55.4	
PCB-105 233'44'-PeCB	20.9				ES PCB-4	52.5	
PCB-114 2344'5'-PeCB	0.792			J	ES PCB-15	85.9	
PCB-118 23'44'5'-PeCB	50.9				ES PCB-19	63.6	
PCB-123 23'44'5'-PeCB	1.14				ES PCB-37	86.2	
PCB-126 33'44'5'-PeCB	ND	0.473			ES PCB-54	55.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	9.23			C	ES PCB-77	89.7	
PCB-167 23'44'55'-HxCB	3.18				ES PCB-81	92.6	
PCB-169 33'44'55'-HxCB	ND	0.893			ES PCB-104	68	
PCB-189 233'44'55'-HpCB	0.578			J	ES PCB-105	105	
					ES PCB-114	107	
					ES PCB-118	104	
TEQs (WHO M/H)					ES PCB-123	102	
ND = 0	0.0028		0.0028		ES PCB-126	78.9	
ND = 0.5 x DL	0.0399		0.0399		ES PCB-153	85.6	
ND = DL	0.077		0.077		ES PCB-155	64.9	
					ES PCB-156/157	85.7	
					ES PCB-167	87.3	
Totals					ES PCB-169	40.1	
Mono-CBs	6.46		12.2		ES PCB-170	92.3	
Di-CBs	16.4				ES PCB-180	90.7	
Tri-CBs	48.7		51.5		ES PCB-188	77.3	
Tetra-CBs	144		146		ES PCB-189	84.1	
Penta-CBs	358		362		ES PCB-202	82.8	
Hexa-CBs	348				ES PCB-205	88.7	
Hepta-CBs	143		144		ES PCB-206	97.9	
Octa-CBs	54.1		60.5		ES PCB-208	94.9	
Nona-CBs	17.6				ES PCB-209	85.1	
Deca-CB	9.09				CS PCB-28	87	
Total PCB (Mono-Deca)	1,150		1,170		CS PCB-111	108	
					CS PCB-178	90.7	


Checkcode: 563-262-PFF

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:48 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-305-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.01 g			Sample ID: A5941_11356_PCB_005			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids 91.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units pg/g			Checkcode: 563-262-PFF			Time Analyzed: 19:06:28								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	[5.71]	EMPC	PCB-19	(0.882)		PCB-54	(0.406)		PCB-72	(0.537)							
PCB-2	1.3		PCB-30/18	5.15	C	PCB-50/53	1.86	J C	PCB-68	(0.446)							
PCB-3	5.17		PCB-17	3.19		PCB-45	1.68		PCB-57	(0.497)							
			PCB-27	(0.604)		PCB-51	(0.345)		PCB-58	(0.482)							
Conc.	6.46		PCB-24	(0.614)		PCB-46	0.68	J	PCB-67	(0.458)							
EMPC	12.2		PCB-16	[2.34]	EMPC	PCB-52	34		PCB-63	(0.444)							
			PCB-32	2.87		PCB-73	(0.294)		PCB-61/70/74/76	33.2	C						
Di	Conc.	Qualifiers	PCB-34	(0.392)		PCB-43	(0.406)		PCB-66	18.7							
PCB-4	1.2		PCB-23	(0.381)		PCB-69/49	8.53	C	PCB-55	(0.507)							
PCB-10	(0.506)		PCB-26/29	1.26	J C	PCB-48	1.49		PCB-56	8.31							
PCB-9	(0.483)		PCB-25	[0.532]	J EMPC	PCB-44/47/65	13.5	C	PCB-60	4.12							
PCB-7	(0.433)		PCB-31	8.73		PCB-59/62/75	[1.1]	J EMPC C	PCB-80	(0.431)							
PCB-6	0.981	J	PCB-28/20	13.2	C	PCB-42	3.04		PCB-79	(0.441)							
PCB-5	(0.453)		PCB-21/33	4.48	C	PCB-41	0.724	J	PCB-78	(0.548)							
PCB-8	4.57		PCB-22	3.86		PCB-71/40	5.92	C	PCB-81	(0.493)							
PCB-14	(0.378)		PCB-36	(0.385)		PCB-64	6.6		PCB-77	1.99							
PCB-11	3.96	B	PCB-39	(0.371)													
PCB-13/12	0.932	J C	PCB-38	(0.413)													
PCB-15	4.75		PCB-35	(0.44)													
			PCB-37	5.9													
Conc.	16.4		Conc.	48.7					Conc.	144							
EMPC	16.4		EMPC	51.5					EMPC	146							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						71.5			80.1		
						Tetra-Hexa						851			856		
						Hepta-Deca						224			231		
						Mono-Deca			1,150			1,170					

Sample ID: JW-BL-305-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.202)		PCB-108/119/86/97/125/87	30.1	C	PCB-155	(0.186)		PCB-165	(0.215)	
PCB-96	(0.233)		PCB-117	1.64		PCB-152	(0.205)		PCB-146	10.5	
PCB-103	(0.457)		PCB-116/85	9.61	C	PCB-150	(0.205)		PCB-161	(0.191)	
PCB-94	(0.535)		PCB-110	73.2		PCB-136	10.8		PCB-153/168	59.9	C
PCB-95	49.1		PCB-115	(0.381)		PCB-145	(0.219)		PCB-141	11.2	
PCB-100/93	(0.489)	C	PCB-82	[4.13]	EMPC	PCB-148	(0.252)		PCB-130	5.24	
PCB-102	1.2		PCB-111	(0.344)		PCB-151/135	21.7	C	PCB-137	3.92	
PCB-98	(0.543)		PCB-120	(0.346)		PCB-154	(0.227)		PCB-164	6.2	
PCB-88	(0.538)		PCB-107/124	2.04	C	PCB-144	2.63		PCB-163/138/129	84.2	C
PCB-91	6.97		PCB-109	3.35		PCB-147/149	61.4	C	PCB-160	(0.217)	
PCB-84	14.6		PCB-123	1.14		PCB-134	5.11		PCB-158	8.42	
PCB-89	(0.531)		PCB-106	(0.367)		PCB-143	(0.245)		PCB-128/166	16.1	C
PCB-121	(0.345)		PCB-118	50.9		PCB-139/140	1.49	J C	PCB-159	(0.348)	
PCB-92	12.2		PCB-122	(0.402)		PCB-131	(0.285)		PCB-162	(0.349)	
PCB-113/90/101	49.8	C	PCB-114	0.792	J	PCB-142	(0.284)		PCB-167	3.18	
PCB-83	2.3		PCB-105	20.9		PCB-132	25.8		PCB-156/157	9.23	C
PCB-99	28.2		PCB-127	(0.405)		PCB-133	1.31		PCB-169	(0.893)	
PCB-112	(0.371)		PCB-126	(0.473)							
			Conc.	358					Conc.	348	
			EMPC	362					EMPC	348	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.174)		PCB-174	18.3		PCB-202	4.55		PCB-208	3.99	
PCB-179	7.44		PCB-177	10.4		PCB-201	1.8		PCB-207	1.35	
PCB-184	(0.187)		PCB-181	(0.321)		PCB-204	(0.256)		PCB-206	12.3	
PCB-176	1.82		PCB-171/173	5.84	C	PCB-197	(0.23)				
PCB-186	(0.179)		PCB-172	2.87		PCB-200	[1.35]	EMPC	Conc.	17.6	
PCB-178	3.43		PCB-192	(0.281)		PCB-198/199	18.2	C	EMPC	17.6	
PCB-175	[0.612]	J EMPC	PCB-180/193	37.6	C	PCB-196	[5.11]	EMPC			
PCB-187	26		PCB-191	0.775	J	PCB-203	11.4		Deca	Conc.	Qualifiers
PCB-182	(0.304)		PCB-170	14.7		PCB-195	4.44		PCB-209	9.09	
PCB-183	9.59		PCB-190	2.58		PCB-194	13.7				
PCB-185	1.13		PCB-189	0.578	J	PCB-205	(0.402)				
			Conc.	143		Conc.	54.1				
			EMPC	144		EMPC	60.5				

Sample ID: JW-BL-304-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.02 g	Sample ID:	A5941_11356_PCB_006	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	86.6 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	2.94				ES PCB-1	27.9	
PCB-81 344'5'-TeCB	ND	0.568			ES PCB-3	51.3	
PCB-105 233'44'-PeCB	39.1				ES PCB-4	58.8	
PCB-114 2344'5'-PeCB	EMPC		1.7		ES PCB-15	81.4	
PCB-118 23'44'5'-PeCB	79.9				ES PCB-19	65.7	
PCB-123 23'44'5'-PeCB	2.14				ES PCB-37	80.5	
PCB-126 33'44'5'-PeCB	ND	0.559			ES PCB-54	54.2	
PCB-156/157 233'44'5'/233'44'5'-HxCB	15.1			C	ES PCB-77	89.3	
PCB-167 23'44'55'-HxCB	4.7				ES PCB-81	83.1	
PCB-169 33'44'55'-HxCB	ND	1.12			ES PCB-104	69	
PCB-189 233'44'55'-HpCB	EMPC		0.785	J	ES PCB-105	105	
					ES PCB-114	103	
TEQs (WHO M/H)					ES PCB-118	99.1	
					ES PCB-123	98.5	
ND = 0	0.00452		0.0046		ES PCB-126	80.3	
ND = 0.5 x DL	0.0494		0.0495		ES PCB-153	80.7	
ND = DL	0.0943		0.0943		ES PCB-155	63.9	
					ES PCB-156/157	85.3	
Totals					ES PCB-167	85.2	
Mono-CBs	13.1				ES PCB-169	45.7	
Di-CBs	15.3				ES PCB-170	87.9	
Tri-CBs	51.6		55.1		ES PCB-180	89.9	
Tetra-CBs	155		163		ES PCB-188	72.3	
Penta-CBs	505		507		ES PCB-189	81	
Hexa-CBs	561		562		ES PCB-202	80	
Hepta-CBs	212		215		ES PCB-205	85.9	
Octa-CBs	75.6		82.4		ES PCB-206	97.7	
Nona-CBs	20.5				ES PCB-208	89.8	
Deca-CB	7.06				ES PCB-209	81.8	
					CS PCB-28	87.6	
Total PCB (Mono-Deca)	1,620		1,640		CS PCB-111	105	
					CS PCB-178	94.3	


Checkcode: 385-222-FVN

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:51 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-304-130919						Method 1668A					
Client Data			Sample Data			Laboratory Data					
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013		
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.02 g			Sample ID: A5941_11356_PCB_006			Date Extracted: 26-Sep-2013		
Date Collected: 19-Sep-2013			% Solids: 86.6 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013		
			Units: pg/g			Checkcode: 385-222-FVN			Time Analyzed: 20:01:47		
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	5.79		PCB-19	(0.991)		PCB-54	(0.668)		PCB-72	(0.619)	
PCB-2	2.06		PCB-30/18	5.67	C	PCB-50/53	[1.44]	J EMPC C	PCB-68	(0.514)	
PCB-3	5.27		PCB-17	2.74		PCB-45	1.29		PCB-57	(0.573)	
			PCB-27	(0.679)		PCB-51	(0.556)		PCB-58	(0.556)	
Conc.	13.1		PCB-24	(0.69)		PCB-46	(0.696)		PCB-67	(0.528)	
EMPC	13.1		PCB-16	[1.88]	EMPC	PCB-52	29.7		PCB-63	0.603	J
			PCB-32	2.37		PCB-73	(0.473)		PCB-61/70/74/76	41.3	C
Di	Conc.	Qualifiers	PCB-34	(0.683)		PCB-43	(0.653)		PCB-66	22.8	
PCB-4	(1.59)		PCB-23	(0.664)		PCB-69/49	10.6	C	PCB-55	(0.584)	
PCB-10	(1.02)		PCB-26/29	[1.58]	J EMPC C	PCB-48	[1.63]	EMPC	PCB-56	9.96	
PCB-9	(0.86)		PCB-25	(0.646)		PCB-44/47/65	17.5	C	PCB-60	[4.5]	EMPC
PCB-7	(0.772)		PCB-31	11.1		PCB-59/62/75	1.04	J C	PCB-80	(0.496)	
PCB-6	0.95	J	PCB-28/20	14.1	C	PCB-42	3.86		PCB-79	(0.508)	
PCB-5	(0.808)		PCB-21/33	5.64	C	PCB-41	(0.704)		PCB-78	(0.632)	
PCB-8	4.11		PCB-22	4.57		PCB-71/40	6.74	C	PCB-81	(0.568)	
PCB-14	(0.673)		PCB-36	(0.67)		PCB-64	7.08		PCB-77	2.94	
PCB-11	5.53	B	PCB-39	(0.646)							
PCB-13/12	(0.806)	C	PCB-38	(0.72)							
PCB-15	4.76		PCB-35	(0.766)							
			PCB-37	5.46							
Conc.	15.3		Conc.	51.6					Conc.	155	
EMPC	15.3		EMPC	55.1					EMPC	163	
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals		Conc.		EMPC	
						Mono-Tri		80.1		83.5	
						Tetra-Hexa		1,220		1,230	
						Hepta-Deca		316		325	
Mono-Deca		1,620		1,640							

Sample ID: JW-BL-304-130919						Method 1668A					
Penta			Penta			Hexa			Hexa		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-104	(0.36)		PCB-108/119/86/97/125/87	42.2	C	PCB-155	(0.259)		PCB-165	(0.323)	
PCB-96	(0.414)		PCB-117	(0.621)		PCB-152	(0.286)		PCB-146	16.5	
PCB-103	(0.771)		PCB-116/85	20.5	C	PCB-150	(0.286)		PCB-161	(0.286)	
PCB-94	(0.902)		PCB-110	99.2		PCB-136	12		PCB-153/168	96.2	C
PCB-95	56		PCB-115	(0.643)		PCB-145	(0.306)		PCB-141	16.4	
PCB-100/93	(0.825)	C	PCB-82	9.1		PCB-148	(0.378)		PCB-130	9.29	
PCB-102	1.93		PCB-111	(0.58)		PCB-151/135	30.6	C	PCB-137	7.02	
PCB-98	(0.915)		PCB-120	(0.582)		PCB-154	[1.14]	EMPC	PCB-164	9.25	
PCB-88	(0.906)		PCB-107/124	3.39	C	PCB-144	4.14		PCB-163/138/129	158	C
PCB-91	9.51		PCB-109	5.72		PCB-147/149	92.9	C	PCB-160	(0.325)	
PCB-84	18.7		PCB-123	2.14		PCB-134	7.32		PCB-158	13.7	
PCB-89	(0.895)		PCB-106	(0.619)		PCB-143	(0.367)		PCB-128/166	27.1	C
PCB-121	(0.582)		PCB-118	79.9		PCB-139/140	2.65	C	PCB-159	(0.563)	
PCB-92	11.6		PCB-122	(0.742)		PCB-131	1.57		PCB-162	(0.565)	
PCB-113/90/101	59.7	C	PCB-114	[1.7]	EMPC	PCB-142	(0.425)		PCB-167	4.7	
PCB-83	3.74		PCB-105	39.1		PCB-132	34.7		PCB-156/157	15.1	C
PCB-99	42.5		PCB-127	(0.733)		PCB-133	2.02		PCB-169	(1.12)	
PCB-112	(0.625)		PCB-126	(0.559)							
			Conc.	505					Conc.	561	
			EMPC	507					EMPC	562	
Hepta			Hepta			Octa			Nona		
Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers		Conc.	Qualifiers	
PCB-188	(0.273)		PCB-174	26.7		PCB-202	6.99		PCB-208	4.52	
PCB-179	10.7		PCB-177	14.8		PCB-201	2.63		PCB-207	1.43	
PCB-184	(0.294)		PCB-181	(0.693)		PCB-204	(0.473)		PCB-206	14.6	
PCB-176	2.86		PCB-171/173	7.85	C	PCB-197	(0.425)				
PCB-186	(0.282)		PCB-172	4.36		PCB-200	[2.08]	EMPC	Conc.	20.5	
PCB-178	5.95		PCB-192	(0.608)		PCB-198/199	26.3	C	EMPC	20.5	
PCB-175	1.35		PCB-180/193	55.9	C	PCB-196	7.18				
PCB-187	38.9		PCB-191	0.922	J	PCB-203	16		Deca	Conc.	Qualifiers
PCB-182	(0.656)		PCB-170	23.4		PCB-195	[4.75]	EMPC	PCB-209	7.06	
PCB-183	14.3		PCB-190	4.46		PCB-194	16.5				
PCB-185	[2.28]	EMPC	PCB-189	[0.785]	J EMPC	PCB-205	(0.658)				
			Conc.	212		Conc.	75.6				
			EMPC	215		EMPC	82.4				

Sample ID: JW-BL-306-130919**Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	ANCHOR QEA	Matrix:	Solid	Project No.:	A5941	Date Received:	21-Sep-2013
Project ID:	Jeld-Wen Former Nord Door Site	Weight/Volume:	10.03 g	Sample ID:	A5941_11356_PCB_007	Date Extracted:	26-Sep-2013
Date Collected:	19-Sep-2013	% Solids	82.7 %	QC Batch No.:	11356	Date Analyzed:	02-Oct-2013
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/g	pg/g	pg/g			%	
PCB-77 33'44'-TeCB	2.32				ES PCB-1	55	
PCB-81 344'5'-TeCB	ND	0.506			ES PCB-3	73.9	
PCB-105 233'44'-PeCB	27.8				ES PCB-4	89	
PCB-114 2344'5'-PeCB	0.983			J	ES PCB-15	97.3	
PCB-118 23'44'5'-PeCB	54.9				ES PCB-19	92.9	
PCB-123 23'44'5'-PeCB	1.39				ES PCB-37	89.1	
PCB-126 33'44'5'-PeCB	ND	0.702			ES PCB-54	72.7	
PCB-156/157 233'44'5'/233'44'5'-HxCB	14.7			C	ES PCB-77	97.1	
PCB-167 23'44'55'-HxCB	5.45				ES PCB-81	93.3	
PCB-169 33'44'55'-HxCB	ND	1.58			ES PCB-104	81	
PCB-189 233'44'55'-HpCB	2.04				ES PCB-105	106	
					ES PCB-114	104	
TEQs (WHO M/H)					ES PCB-118	100	
					ES PCB-123	101	
ND = 0	0.00345		0.00345		ES PCB-126	70.7	
ND = 0.5 x DL	0.0623		0.0623		ES PCB-153	87.1	
ND = DL	0.121		0.121		ES PCB-155	73.6	
					ES PCB-156/157	87.8	
Totals					ES PCB-167	90.5	
Mono-CBs	5.48		6.95		ES PCB-169	30.3	
Di-CBs	13.2				ES PCB-170	90.7	
Tri-CBs	33.9		34.7		ES PCB-180	87.2	
Tetra-CBs	110		111		ES PCB-188	80	
Penta-CBs	406				ES PCB-189	79.7	
Hexa-CBs	1,120		1,120		ES PCB-202	84.2	
Hepta-CBs	1,140				ES PCB-205	86.3	
Octa-CBs	445				ES PCB-206	96.5	
Nona-CBs	58.4				ES PCB-208	90.6	
Deca-CB	12				ES PCB-209	83.1	
					CS PCB-28	84.9	
Total PCB (Mono-Deca)	3,340		3,350		CS PCB-111	103	
					CS PCB-178	89.9	


Checkcode: 753-894-DNY

SGS AP PCB 2013 Rev. 2.1

Report Created: 14-Oct-2013 15:51 Analyst: JJ



2714 Exchange Drive T: 910 794-1613
 Wilmington F: 910 794-3919
 North Carolina 28405 www.us.sgs.com
 USA

Sample ID: JW-BL-306-130919						Method 1668A											
Client Data			Sample Data			Laboratory Data											
Name: ANCHOR QEA			Matrix: Solid			Project No.: A5941			Date Received: 21-Sep-2013								
Project ID: Jeld-Wen Former Nord Door Site			Weight/Volume: 10.03 g			Sample ID: A5941_11356_PCB_007			Date Extracted: 26-Sep-2013								
Date Collected: 19-Sep-2013			% Solids: 82.7 %			QC Batch No.: 11356			Date Analyzed: 02-Oct-2013								
			Units: pg/g			Checkcode: 753-894-DNY			Time Analyzed: 20:57:02								
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers						
PCB-1	2.36		PCB-19	(0.586)		PCB-54	(0.304)		PCB-72	(0.551)							
PCB-2	[1.47]	EMPC	PCB-30/18	3.46	C	PCB-50/53	1.15	J C	PCB-68	(0.458)							
PCB-3	3.12		PCB-17	1.67		PCB-45	0.921	J	PCB-57	(0.51)							
			PCB-27	(0.402)		PCB-51	(0.414)		PCB-58	(0.495)							
Conc.	5.48		PCB-24	(0.408)		PCB-46	[0.518]	EMPC	PCB-67	(0.47)							
EMPC	6.95		PCB-16	1.58		PCB-52	16		PCB-63	(0.455)							
			PCB-32	1.24		PCB-73	(0.352)		PCB-61/70/74/76	29.3	C						
Di	Conc.	Qualifiers	PCB-34	(0.398)		PCB-43	(0.486)		PCB-66	14.8							
PCB-4	0.704	J	PCB-23	(0.386)		PCB-69/49	7.79	C	PCB-55	(0.52)							
PCB-10	(0.385)		PCB-26/29	[0.799]	J EMPC C	PCB-48	1.76		PCB-56	6.98							
PCB-9	(0.602)		PCB-25	(0.376)		PCB-44/47/65	11.6	C	PCB-60	3.78							
PCB-7	(0.541)		PCB-31	7.16		PCB-59/62/75	1.04	J C	PCB-80	(0.442)							
PCB-6	0.649	J	PCB-28/20	8.53	C	PCB-42	2.69		PCB-79	(0.452)							
PCB-5	(0.566)		PCB-21/33	3.57	C	PCB-41	0.857	J	PCB-78	(0.563)							
PCB-8	2.45		PCB-22	2.8		PCB-71/40	4.48	C	PCB-81	(0.506)							
PCB-14	(0.471)		PCB-36	(0.39)		PCB-64	4.59		PCB-77	2.32							
PCB-11	5.3	B	PCB-39	(0.376)													
PCB-13/12	0.927	J C	PCB-38	(0.419)													
PCB-15	3.21		PCB-35	(0.446)													
			PCB-37	3.9													
Conc.	13.2		Conc.	33.9					Conc.	110							
EMPC	13.2		EMPC	34.7					EMPC	111							
 <p>2714 Exchange Drive Wilmington, NC 28405, USA</p> <p>Tel: +1 910 794-1613 Fax: +1 910 794-3919 www.us.sgs.com</p>						Totals			Conc.			EMPC					
						Mono-Tri						52.6			54.9		
						Tetra-Hexa						1,640			1,640		
						Hepta-Deca						1,650			1,650		
						Mono-Deca			3,340			3,350					

Sample ID: JW-BL-306-130919						Method 1668A					
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.165)		PCB-108/119/86/97/125/87	34	C	PCB-155	(0.184)		PCB-165	(0.246)	
PCB-96	(0.189)		PCB-117	1.17		PCB-152	(0.203)		PCB-146	33.6	
PCB-103	(0.392)		PCB-116/85	13.8	C	PCB-150	(0.203)		PCB-161	(0.218)	
PCB-94	(0.459)		PCB-110	76		PCB-136	34		PCB-153/168	266	C
PCB-95	51.2		PCB-115	(0.327)		PCB-145	(0.217)		PCB-141	49.5	
PCB-100/93	(0.42)	C	PCB-82	5.49		PCB-148	(0.288)		PCB-130	9.83	
PCB-102	1.12		PCB-111	(0.295)		PCB-151/135	91.7	C	PCB-137	4.68	
PCB-98	(0.465)		PCB-120	(0.296)		PCB-154	1.27		PCB-164	14.3	
PCB-88	(0.461)		PCB-107/124	3.3	C	PCB-144	11.4		PCB-163/138/129	237	C
PCB-91	7.04		PCB-109	4.37		PCB-147/149	240	C	PCB-160	(0.248)	
PCB-84	12.4		PCB-123	1.39		PCB-134	8.6		PCB-158	17	
PCB-89	(0.455)		PCB-106	(0.315)		PCB-143	(0.28)		PCB-128/166	22.4	C
PCB-121	(0.296)		PCB-118	54.9		PCB-139/140	[1.91]	J EMPC C	PCB-159	6.61	
PCB-92	9.18		PCB-122	(0.348)		PCB-131	[1.25]	EMPC	PCB-162	0.537	J
PCB-113/90/101	64	C	PCB-114	0.983	J	PCB-142	(0.324)		PCB-167	5.45	
PCB-83	2.29		PCB-105	27.8		PCB-132	49.4		PCB-156/157	14.7	C
PCB-99	35.3		PCB-127	(0.319)		PCB-133	2.71		PCB-169	(1.58)	
PCB-112	(0.318)		PCB-126	(0.702)							
			Conc.	406					Conc.	1,120	
			EMPC	406					EMPC	1,120	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.211)		PCB-174	167		PCB-202	31.5		PCB-208	10.2	
PCB-179	87.8		PCB-177	85.6		PCB-201	14		PCB-207	5.2	
PCB-184	(0.227)		PCB-181	(0.402)		PCB-204	(0.236)		PCB-206	43	
PCB-176	15		PCB-171/173	28.1	C	PCB-197	2.08				
PCB-186	(0.217)		PCB-172	19		PCB-200	17.3		Conc.	58.4	
PCB-178	35		PCB-192	(0.353)		PCB-198/199	136	C	EMPC	58.4	
PCB-175	4.45		PCB-180/193	273	C	PCB-196	43.2				
PCB-187	234		PCB-191	3.33		PCB-203	69.7		Deca	Conc.	Qualifiers
PCB-182	(0.381)		PCB-170	79.7		PCB-195	36.2		PCB-209	12	
PCB-183	67.1		PCB-190	19.5		PCB-194	90.9				
PCB-185	17.4		PCB-189	2.04		PCB-205	3.87				
			Conc.	1,140		Conc.	445				
			EMPC	1,140		EMPC	445				

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)			OK
PCB-1 2-MoCB	50	94.4	50	-	150	Y
PCB-3 4-MoCB	50	92.8	50	-	150	Y
PCB-4 22'-DiCB	50	97	50	-	150	Y
PCB-15 44'-DiCB	50	87.8	50	-	150	Y
PCB-19 22'6-TrCB	50	95.5	50	-	150	Y
PCB-37 344'-TrCB	50	77.2	50	-	150	Y
PCB-54 22'66'-TeCB	50	103	50	-	150	Y
PCB-77 33'44'-TeCB	50	80.1	50	-	150	Y
PCB-81 344'5-TeCB	50	82.1	50	-	150	Y
PCB-104 22'466'-PeCB	50	92.9	50	-	150	Y
PCB-105 233'44'-PeCB	50	97.5	50	-	150	Y
PCB-114 2344'5-PeCB	50	88.6	50	-	150	Y
PCB-118 23'44'5-PeCB	50	93.9	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	86.9	50	-	150	Y
PCB-126 33'44'5-PeCB	50	95.1	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	88.5	50	-	150	Y
PCB-156/157 ...-HxCB	100	92.3	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	87.3	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	83.3	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	101	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	87	50	-	150	Y
PCB-202 22'33'55'66'-OxCB	50	112	50	-	150	Y
PCB-205 233'44'55'6-OxCB	50	95.8	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	103	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	94.9	50	-	150	Y
PCB-209 DeCB	50	93.1	50	-	150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	57.8	30	-	140	Y
ES PCB-3	100	74.6	30	-	140	Y
ES PCB-4	100	102	30	-	140	Y
ES PCB-15	100	100	30	-	140	Y
ES PCB-19	100	101	30	-	140	Y
ES PCB-37	100	90.5	30	-	140	Y
ES PCB-54	100	75.3	30	-	140	Y
ES PCB-77	100	93.5	30	-	140	Y
ES PCB-81	100	93.5	30	-	140	Y
ES PCB-104	100	89.1	30	-	140	Y
ES PCB-105	100	106	30	-	140	Y
ES PCB-114	100	103	30	-	140	Y
ES PCB-118	100	101	30	-	140	Y
ES PCB-123	100	102	30	-	140	Y
ES PCB-126	100	81.7	30	-	140	Y
ES PCB-153	100	84.8	30	-	140	Y
ES PCB-155	100	76.5	30	-	140	Y
ES PCB-156/157	200	87.3	30	-	140	Y
ES PCB-167	100	84.8	30	-	140	Y
ES PCB-169	100	52.4	30	-	140	Y
ES PCB-170	100	87.9	30	-	140	Y
ES PCB-180	100	86.2	30	-	140	Y
ES PCB-188	100	80	30	-	140	Y
ES PCB-189	100	78.9	30	-	140	Y
ES PCB-202	100	85	30	-	140	Y
ES PCB-205	100	84.5	30	-	140	Y
ES PCB-206	100	92.6	30	-	140	Y
ES PCB-208	100	90.4	30	-	140	Y
ES PCB-209	100	82.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	87.2	40	-	125	Y
CS PCB-111	100	107	40	-	125	Y
CS PCB-178	100	92.2	40	-	125	Y

Processed: 14 Oct 2013 15:39 Analyst: JJ



Sample Receipt Notification

2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 21-Sep-13 at 11:50
AP Project name: A5941
Requested TAT: 21 days
Projected due date: 14-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: INV → Jeld - Wen directly
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchoragea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-302-130919	A5941_001	SE	2	19-Sep-13	09:54	3	1	7967 3968 8205
JW-301-130919	A5941_002	SE	2	19-Sep-13	09:45	3	1	7967 3968 8205
JW-BL-307-130919	A5941_003	SO	1	19-Sep-13	11:35	3	1	7967 3968 8205
JW-BL-303-130919	A5941_004	SO	1	19-Sep-13	13:40	3	1	7967 3968 8205
JW-BL-305-130919	A5941_005	SO	1	19-Sep-13	12:55	3	1	7967 3968 8205
JW-BL-304-130919	A5941_006	SO	1	19-Sep-13	13:24	3	1	7967 3968 8205
JW-BL-306-130919	A5941_007	SO	1	19-Sep-13	11:55	3	1	7967 3968 8205

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact
 M1663A 209

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

H39191

Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: SGS
 Date: 9/19/13
 Project Name: Jeld-Wen Former Nord Door Site
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorsy
 Phone Number: (206) 287-9130
 Shipment Method: _____

Test Parameters

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters													Comments/Preservation									
					PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive																			
1	JW-302-130919	9/19/13 9:54	SE	2	X																						
2	JW-301-130919	9/19/13 9:45	SE	2	X																						
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X		X																				
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X			X																			
5	JW-BL-305-130919	9/19/13 12:55	SO	1	X			X																			
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X			X																			
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X			X																			
8	JW-RB-130919	9/19/13 14:25	water	3	X																						
9																											
10																											
11																											
12																											
13																											
14																											
15																											



Notes: _____

Relinquished By: Cindy Fields Company: Anchor QEA, LLC
Cindy Fields 3:37pm
 Signature/Printed Name Date/Time

Received By: Barbara Hager / Barbara Hager Company: SGS AP
Barbara Hager / Barbara Hager 21-Sept-13 1150
 Signature/Printed Name Date/Time

Relinquished By: _____ Company: _____

 Signature/Printed Name Date/Time

Received By: _____ Company: _____

 Signature/Printed Name Date/Time

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Anchor QEA**

Work Order No.: **A5941**

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

Thermometer ID#: Login-1D

no

Comments: _____

Inspected and Logged in by: **BAH**
 Date: **Mon-9/23/13 00:00**



Project Initiation Form

Project Number: A5941Initiation Date: 25-Sep-13Client Name: ANCHOR QEASample Matrix: SedimentAnalysis Method: 1668A PCBTAT: 21 daysProject Manager: Amy

Special Instructions

M1668 - OPR

Reporting Instructions

M1668A 209
OPR
Equis-Anchor EDDPM Initials: akornegay Date: 25-Sep-2013



1668 PCB

Solids

Project # A5941 Batch # 11356 Extract Init/Date: 9/28/13 ASECS Init/Date: 9-30-13 Transfer Init/Date: 10-1-13

AP Sample ID	Client Sample ID	Extract WT (g)	SDS # HEX/ITL	RV		(Td)	ASECS #	Observations
				Initials	#			
A5941_11356_001	JW-302-130919	20.02	3	MK	4	-	3	Dark Brown mud
A5941_11356_002	JW-301-130919	20.55	4	MK	3	-	4	Dark Brown mud
A5941_11356_003	JW-BL-307-130919	12.13	5	MK	4 ^{ee} 3 ^{initials}	-	5	Dark Brown Soil
A5941_11356_004	JW-BL-303-130919	12.28	6	MK	3	-	6	Dark Brown Soil
A5941_11356_005	JW-BL-305-130919	10.92	7	MK	3	-	7	Dark Brown Soil
A5941_11356_006	JW-BL-304-130919	11.57	8	MK	3	-	8	Dark Brown Soil
A5941_11356_007	JW-BL-306-130919	12.13	9	MK	3	-	10	Dark Brown Soil
MB1_11356	Method Blank	10.00	1	MK	4	-	1	Hydromatrix spiked w/ standards
OPR1_11356	0_11356_OPR001	10.00	2	MK	3	-	2	Hydromatrix spiked w/ standards
					9/28/13		9-30-13	

Special Instructions	Cycle Time	Supply IDs
M1668 - OPR	Start HEX Stop 5:30 pm 8:40 am	Toluene <u>DI847</u> Acid Silica <u>09282013</u> CH ₂ Cl ₂ <u>DI901</u> Base Silica <u>09252013</u> Sand <u>NA</u> HydroMatrix <u>09182013</u> Florisil <u>09282013</u> BEA0305 <u>NA</u> Tetradecane <u>09182013</u>
	Start TOL Stop 6:00 pm 9:15 am	Hexane <u>DI882</u> Na ₂ SO ₄ H ₂ SO ₄ <u>09182013</u> Silica <u>09282013</u> AgNO ₃ <u>09232013</u> ^{K-Silicate}

SGS

1668 PCB

Solid

Project # A5941 Batch # 11356

Inter-Department Communication Sheet

Sample 001's Toluene portion went dry when on the Sox overnight.
- MK 9/28/13

Sample 006's Hexane portion was rotovapped on heat.
- MK 9/28/13

Special Instructions

M1668 - OPR

% Solids

ANALYTICAL PERSPECTIVES

Project: A5941Batch #: 11356Procedure:

- Tare Balance.
- Add boat and weigh. Record "Boat Wt."
- Add the sample (2-10 g) to the boat and record "Wet Wt. + Boat Wt." (total).
- Dry in oven overnight @ 107° C.
- Tare Balance.
- Return dish to toploader and record "Residue + Boat Wt."

AP Sample ID	Boat Wt. (g)	Wet Wt. + Boat Wt.	Chem/Date	Residue + Boat Wt.	Chem/Date	Dry Eq (g) Comments
001	1.33	3.31	Thu 9/25/13	2.72	Thu 9/26/13	20.00
002	1.34	3.31	Thu 9/25/13	2.30	Thu 9/26/13	20.52
003	1.33	3.72	Thu 9/25/13	3.30	Thu 9/26/13	12.13
004	1.34	3.29	Thu 9/25/13	2.93	Thu 9/26/13	12.26
005	1.34	3.62	Thu 9/25/13	3.43	Thu 9/26/13	10.91
006	1.34	3.13	Thu 9/25/13	2.89	Thu 9/26/13	11.55
007	1.35	3.49	Thu 9/25/13	3.12	Thu 9/26/13	12.09

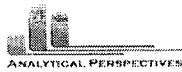


Wt. Volume Results for Extraction Batch 11356

Batch Project #'s: A5941

Comments:

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5941_001	1.33	3.31	2.32	50.00%	50.00%			20	20.02	10.01
A5941_001	1.33	3.31	2.32	50.00%	50.00%			20	20.02	10.01
A5941_002	1.34	3.31	2.3	48.73%	48.73%			20.52	20.55	10.01
A5941_002	1.34	3.31	2.3	48.73%	48.73%			20.52	20.55	10.01
A5941_003	1.33	3.72	3.3	82.43%	82.43%			12.13	12.13	10
A5941_003	1.33	3.72	3.3	82.43%	82.43%			12.13	12.13	10
A5941_004	1.34	3.29	2.93	81.54%	81.54%			12.26	12.28	10.01
A5941_004	1.34	3.29	2.93	81.54%	81.54%			12.26	12.28	10.01
A5941_005	1.34	3.62	3.43	91.67%	91.67%			10.91	10.92	10.01
A5941_005	1.34	3.62	3.43	91.67%	91.67%			10.91	10.92	10.01
A5941_006	1.34	3.13	2.89	86.59%	86.59%			11.55	11.57	10.02
A5941_006	1.34	3.13	2.89	86.59%	86.59%			11.55	11.57	10.02



Wt. Volume Results for Extraction Batch 11356

Batch Project #'s: _____

Comments: _____

AP Sample ID	Boat WT.	Wet Wt. + Boat Wt.	Residue+ Boat Wt.	% Solid	Average % Solid	RSD	Qtest Ratio (if Applicable)	Dry Wt. Equiv.	Extracted Wt.	Final Wt.
A5941_007	1.35	3.49	3.12	82.71%	82.71%			12.09	12.13	10.03
A5941_007	1.35	3.49	3.12	82.71%	82.71%			12.09	12.13	10.03

Project #		Batch #		1668 PCB		Solids	
SPIKE PROFILE PCBs							
Analyte	Spike Compounds	Spiked Amount	Spiked Volume	Solution Conc.	Split Factor	Final Volume	Final Solvent
PCB	ES	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	CS	2 ng	20 uL	100 pg/uL	1	20 uL	Nonane
	JS	2 ng	10 uL	200 pg/uL	1	20 uL	Nonane
	AAP68A Batch CS3	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
	AAP68A	1 ng	20 uL	50 pg/uL	1	20 uL	Nonane
Spiker Initials/Date:		MA 9/26/13	MA 9/26/13	MA 9/29/13	MA 9/29/13	MA 9/29/13	MA 9/29/13
AP Sample ID	Client Sample ID	PCB ES	PCB 209 AX	PCB CS/SS	PCB JS		
		Amount: 20 uL	Amount: 20 uL	Amount: 20 uL	Amount: 20 uL		
		Observer Initials	Observer Initials	Observer Initials	Observer Initials		
A5941_11356_001	JW-302-130919	MA	-	MA	MA		
A5941_11356_002	JW-301-130919	MA	-	MA	MA		
A5941_11356_003	JW-BL-307-130919	MA	-	MA	MA		
A5941_11356_004	JW-BL-303-130919	MA	-	MA	MA		
A5941_11356_005	JW-BL-305-130919	MA	-	MA	MA		
A5941_11356_006	JW-BL-304-130919	MA	-	MA	MA		
A5941_11356_007	JW-BL-306-130919	MA	-	MA	MA		
MB1_11356	Method Blank	MA	-	MA	MA		
OPR1_11356	0_11356_OPR001	MA	MA	MA	MA		
		9/26/13	9/26/13	9-30-13 EE 9-29-13	10-1-13		
Standard Information							
Std. Type		PCB ES	PCB 209 AX		PCB CS/SS	PCB JS	
Spike ID		07122013A	07122013A		07122613A	07122613A	
SIL #		13-39-2	13-39-1		13-39-3	13-39-4	
Concentration		100	50		100	200	
Units		pg/uL	pg/uL		pg/uL	pg/uL	
Exp. Date		7/12/14	7/12/14		7-12-14	7-12-14	
Spike amount (uL)		20	20		20	10	

TRANSFER: MA 10-1-13
 RECEIVED: MA 10-1-13
 10-1-13
 10-1-13



Sample Receipt Notification

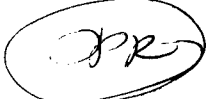
2714 Exchange Drive
 Wilmington, NC 28405 USA
 Tel: 910 794-1613
 Toll Free: 866 846-8290
 Fax: 910 794-3919

Project Manager: Amy Boehm
Receipt Date & Time: 21-Sep-13 at 11:50
AP Project name: A5941
Requested TAT: 21 days
Projected due date: 14-Oct-13
Matrix: Sediment
Phone#: 910-794-1613
Email Address: Amy.Boehm@sgs.com

Company Contact: Delaney Peterson
Company: ANCHOR QEA
Project Name & Site: Jeld-Wen Former Nord Door Site
Project PO#:
QAAP/Contract #: INV → Jeld - Wen directly
Requested Analysis:
Phone#: 206.903.3396
Email Address: dpeterson@anchorqea.com

Client Smp ID	AP Smp ID	Sample Condition & Notes	Quantity	Sampling Date	Sampling Time	Received Temp	Container #	Shipping #
JW-302-130919	A5941_001	SE	2	19-Sep-13	09:54	3	1	7967 3968 8205
JW-301-130919	A5941_002	SE	2	19-Sep-13	09:45	3	1	7967 3968 8205
JW-BL-307-130919	A5941_003	SO	1	19-Sep-13	11:35	3	1	7967 3968 8205
JW-BL-303-130919	A5941_004	SO	1	19-Sep-13	13:40	3	1	7967 3968 8205
JW-BL-305-130919	A5941_005	SO	1	19-Sep-13	12:55	3	1	7967 3968 8205
JW-BL-304-130919	A5941_006	SO	1	19-Sep-13	13:24	3	1	7967 3968 8205
JW-BL-306-130919	A5941_007	SO	1	19-Sep-13	11:55	3	1	7967 3968 8205

Preservation Type: Ice - Good Condition **Sample Seals:** No

Notes/Comments:
 Samples received intact M1668X 209 

Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Barbara Huger

Logged in by: Barbara Huger

QC'd by: 
 SGS Analytical Perspectives

Chain of Custody Record & Laboratory Analysis Request

AS941
41 of 532

Laboratory Number: SGS
 Date: 9/19/13
 Project Name: Jeld-Wen Former Nord Door Site
 Project Number: 120909-01.01
 Project Manager: Nathan Soccorso
 Phone Number: (206) 287-9130
 Shipment Method: _____

Test Parameters



Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters										Comments/Preservation			
					PCBs (1668)	TOC (PSEP)	TS (PSEP)	Archive										
1	JW-302-130919	9/19/13 9:54	SE	2	X			X										
2	JW-301-130919	9/19/13 9:45	SE	2	X			X										
3	JW-BL-307-130919	9/19/13 11:35	SO	1	X		X											
4	JW-BL-303-130919	9/19/13 13:40	SO	1	X		X											
5	JW-BL-305-130919	9/19/13 12:55	SO	1	X		X											
6	JW-BL-304-130919	9/19/13 13:24	SO	1	X		X											
7	JW-BL-306-130919	9/19/13 11:55	SO	1	X		X											
8	JW-RB-130913	9/19/13 14:25	Water	3	X													
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Notes: _____

Relinquished By: _____ Company: Anchor QEA, LLC
Cindy Fields 3:37pm
 Signature/Printed Name Date/Time

Received By: _____ Company: SGS AP
Barbara Hager 21-Sept-13 1150
 Signature/Printed Name Date/Time

Relinquished By: _____ Company: _____
 Signature/Printed Name Date/Time

Received By: _____ Company: _____
 Signature/Printed Name Date/Time

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Anchor QEA Work Order No.: A5941

- 1. Shipped
 Hand Delivered
- 2. COC Present on Receipt
 No COC
 Additional Transmittal Forms
- 3. Custody Tape on Container
 No Custody Tape
- 4. Samples Intact
 Samples Broken / Leaking
- 5. Chilled on Receipt Actual Temp.(s) in °C: 3 Thermometer ID#: Login-1D
 Ambient on Receipt
 Walk-in on Ice; Coming down to temp.
 Temperature Blank Present no
- 6. Sufficient Sample Submitted
 Insufficient Sample Submitted
- 7. Chlorine absent
 HNO₃ < 2
 HCL < 2
 Additional Preservatives verified (see notes)
- 8. Received Within Holding Time
 Not Received Within Holding Time
- 9. No Discrepancies Noted
 Discrepancies Noted
 NCDENR notified of Discrepancies*
- 10. No Headspace present in VOC vials
 Headspace present in VOC vials >6mm

Notes: _____

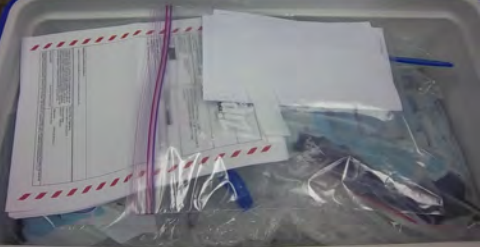
Comments: _____

Inspected and Logged in by: BAH
Date: Mon-9/23/13 00:00

43 of 532



ESC
44 of 532



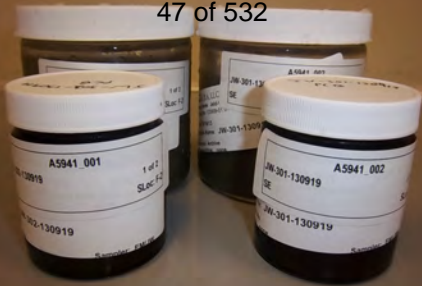
45 of 532



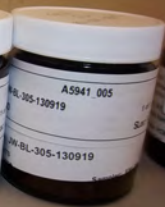
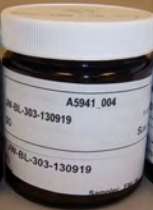
46 of 532



47 of 532



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SGS Analytical Perspectives — Run Log

Project: A5941_11356_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131002V09	3	CS3_131002_PCB_VB	1.00	SIL 13-40-3 ✓	JLJ	825-357	02-Oct-2013	11:44:54
2	131002V10	43	OPR1_11356_PCB	1.00	0_11356_OPR001	JLJ	701-314	02-Oct-2013	12:39:31
3	131002V11	2	SBS_131002_PCB_VB	1.00	SIL 9-41-1 ✓	JLJ	718-474	02-Oct-2013	13:34:47
4	131002V12	44	MB1_11356_PCB_SDS	10.00	Method Blank ✓	JLJ	707-211	02-Oct-2013	14:30:05
5	131002V13	45	A5941_11356_PCB_001	10.01	JW-302-130919	JLJ	128-706	02-Oct-2013	15:25:22
6	131002V14	46	A5941_11356_PCB_002	10.01	JW-301-130919	JLJ	380-307	02-Oct-2013	16:20:38
7	131002V15	47	A5941_11356_PCB_003	10.00	JW-BL-307-130919 ✓	JLJ	510-841	02-Oct-2013	17:15:55
8	131002V16	48	A5941_11356_PCB_004	10.01	JW-BL-303-130919	JLJ	709-812	02-Oct-2013	18:11:11
9	131002V17	49	A5941_11356_PCB_005	10.01	JW-BL-305-130919	JLJ	563-262	02-Oct-2013	19:06:28
10	131002V18	50	A5941_11356_PCB_006	10.02	JW-BL-304-130919	JLJ	385-222	02-Oct-2013	20:01:47
11	131002V19	51	A5941_11356_PCB_007	10.03	JW-BL-306-130919	JLJ	753-894	02-Oct-2013	20:57:02

REVIEWED*By Jerry Jones at 4:01 pm, Oct 14, 2013***REVIEWED***By Amber Kornegay at 12:06 pm, Oct 15, 2013*

Lab ID: MB1_11356_PCB_SDS

ACQ: 02-Oct-2013 14:30:05 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: Method Blank A5941

UTP: 14-Oct-2013 15:34 JLJ

J-level: 1 pg/g Split: 1

Checkcode: 707-211-SGD

Datafile: 131002V12

RPT: 14-Oct-2013 15:43 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	NotFnd		1.0007	-		0.00E+00		1.37	ND	2.31E+03	0.244
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	2.31E+03	0.242
PCB-105 233'44'-PeCB	NotFnd		1.0007	-		0.00E+00		0.97	ND	1.76E+03	0.255
PCB-114 2344'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.06	ND	1.76E+03	0.232
PCB-118 23'44'5'-PeCB	NotFnd		1.0007	-		0.00E+00		1.00	ND	1.76E+03	0.232
PCB-123 23'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	1.76E+03	0.22
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	1.99E+03	0.327
PCB-156/157 ...-HxCB	NotFnd	C	1.0005	-		0.00E+00		1.07	ND	1.64E+03	0.34
PCB-167 23'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.11	ND	1.64E+03	0.227
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	1.64E+03	0.419
PCB-189 233'44'55'-HpCB	NotFnd		1.0004	-		0.00E+00		1.10	ND	1.74E+03	0.257
PCB-209 DeCB	NotFnd		1.0004	-		0.00E+00		1.04	ND	1.21E+03	0.256
ES PCB-1	11.17		0.7198	0.7197	-0.1	1.05E+07	3.28	0.95	48.3 %	25%	150%
ES PCB-3	13.37		0.8609	0.8609	0	1.37E+07	3.38	0.85	70.1 %	25%	150%
ES PCB-4	13.60		0.8761	0.8761	0	1.51E+07	1.57	0.67	98.9 %	25%	150%
ES PCB-15	19.18		1.2354	1.2356	+0.2	2.15E+07	1.58	0.94	99.6 %	25%	150%
ES PCB-19	16.59		1.0686	1.0687	+0.1	1.25E+07	1.06	0.54	100 %	25%	150%
ES PCB-37	25.46		1.0819	1.0818	-0.2	1.74E+07	1.15	1.08	91.4 %	25%	150%
ES PCB-54	19.45		0.8267	0.8265	-0.2	1.72E+07	0.77	1.27	76.4 %	25%	150%
ES PCB-77	31.78		1.3503	1.3507	+0.8	1.45E+07	0.79	0.84	97.5 %	25%	150%
ES PCB-81	31.30		1.3301	1.3302	+0.2	1.58E+07	0.78	0.98	91.3 %	25%	150%
ES PCB-104	24.39		0.8266	0.8265	-0.1	1.88E+07	1.56	1.69	84.4 %	25%	150%
ES PCB-105	34.77		1.1783	1.1784	+0.2	1.48E+07	1.52	1.08	104 %	25%	150%
ES PCB-114	34.23		1.1599	1.1600	+0.2	1.53E+07	1.52	1.11	105 %	25%	150%
ES PCB-118	33.77		1.1443	1.1444	+0.2	1.49E+07	1.56	1.13	100 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.47E+07	1.58	1.10	101 %	25%	150%
ES PCB-126	37.40		1.2676	1.2676	0	1.22E+07	1.54	1.17	79 %	25%	150%
ES PCB-153	35.36		0.9709	0.9709	0	1.44E+07	1.29	1.19	83.7 %	25%	150%
ES PCB-155	29.34		0.8056	0.8055	-0.2	1.82E+07	1.26	1.80	72.4 %	25%	150%
ES PCB-156/157	39.97		1.0973	1.0973	0	2.64E+07	1.23	1.13	83.6 %	25%	150%
ES PCB-167	38.98		1.0702	1.0703	+0.2	1.38E+07	1.26	1.20	82.5 %	25%	150%
ES PCB-169	42.71		1.1728	1.1728	0	7.41E+06	1.27	1.00	53.2 %	25%	150%
ES PCB-170	42.21		0.9050	0.9050	0	1.28E+07	1.01	1.24	94.6 %	25%	150%
ES PCB-180	41.14		0.8820	0.8821	+0.2	1.48E+07	1.00	1.51	90.5 %	25%	150%
ES PCB-188	34.22		0.7338	0.7338	0	2.29E+07	1.05	2.06	79.5 %	25%	150%
ES PCB-189	44.86		0.9618	0.9617	-0.3	1.34E+07	1.03	1.78	80.4 %	25%	150%
ES PCB-202	38.78		0.8315	0.8315	0	1.89E+07	0.87	1.66	81.7 %	25%	150%
ES PCB-205	47.04		1.0086	1.0087	+0.3	9.86E+06	0.90	1.22	86.8 %	25%	150%
ES PCB-206	48.53		1.0404	1.0404	0	1.10E+07	0.78	1.23	95.6 %	25%	150%
ES PCB-208	44.45		0.9530	0.9531	+0.3	1.39E+07	0.78	1.60	92.8 %	25%	150%
ES PCB-209	49.90		1.0698	1.0699	+0.3	1.04E+07	1.18	1.31	85 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.92		0.9317	0.9315	-0.3	1.99E+07	1.12	1.25	91.4 %	30%	135%
SS PCB-111	31.81		1.0780	1.0780	0	1.71E+07	1.53	1.15	101 %	30%	135%
SS PCB-178	36.80		1.0104	1.0104	0	1.34E+07	0.99	0.54	109 %	30%	135%
CS PCB-28	21.92		0.9317	0.9315	-0.3	1.99E+07	1.12	1.34	83.8 %	30%	135%
CS PCB-111	31.81		1.0780	1.0780	0	1.71E+07	1.53	1.27	102 %	30%	135%
CS PCB-178	36.80		1.0104	1.0104	0	1.34E+07	0.99	1.11	86.5 %	30%	135%
JS PCB-9	15.53					2.29E+07	1.55				
JS PCB-52	23.53					1.77E+07	0.79				
JS PCB-101	29.51					1.32E+07	1.57				
JS PCB-138	36.42					1.40E+07	1.31				
JS PCB-194	46.64					9.34E+06	0.90				
						Totals	NON-EMPC	EMPC	DL		
						Mono-CBs	0	0	0.276		
						Di-CBs	3.75	3.75	0.473		
						Tri-CBs	0	0	0.391		
						Tetra-CBs	0	0	0.274		
						Penta-CBs	0	0	0.239		
						Hexa-CBs	0	0	0.314		
						Hepta-CBs	0	0	0.3		
						Octa-CBs	0	0	0.27		
						Nona-CBs	0	0	0.418		
PCB-1 2-MoCB	NotFnd		1.0011	-		0.00E+00	1.19		ND	2.72E+03	0.293
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00	1.19		ND	2.72E+03	0.27
PCB-3 4-MoCB	NotFnd		1.0010	-		0.00E+00	1.24		ND	2.72E+03	0.259
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00	0.88		ND	4.33E+03	0.51
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00	1.38		ND	4.33E+03	0.328
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00	0.85		ND	5.01E+03	0.518
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00	0.95		ND	5.01E+03	0.464
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00	0.90		ND	5.01E+03	0.491
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00	0.91		ND	5.01E+03	0.486
PCB-8 24'-DiCB	NotFnd		1.0519	-		0.00E+00	0.94		ND	5.01E+03	0.472
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00	1.09		ND	5.01E+03	0.405
PCB-11 33'-DiCB	18.64		0.9712	0.9715	+0.3	3.64E+05	SI	0.91	3.75	5.01E+03	0.488
PCB-13/12 34' /34'-DiCB	NotFnd	C	0.9862	-		0.00E+00	0.91		ND	5.01E+03	0.485
PCB-15 44'-DiCB	NotFnd		1.0007	-		0.00E+00	1.01		ND	5.01E+03	0.437
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00	0.92		ND	2.92E+03	0.436
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00	1.18		ND	2.92E+03	0.343
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00	1.02		ND	2.92E+03	0.394
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00	1.35		ND	2.92E+03	0.299
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00	1.33		ND	2.92E+03	0.304
PCB-16 22'3-TrCB	NotFnd		1.1538	-		0.00E+00	0.76		ND	2.92E+03	0.533

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1826	-		0.00E+00		1.46	ND	2.92E+03	0.276
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.85E+03	0.347
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.85E+03	0.338
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8329	-		0.00E+00		1.37	ND	3.85E+03	0.343
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.85E+03	0.329
PCB-31 24'5-TrCB	NotFnd		0.8514	-		0.00E+00		1.44	ND	3.85E+03	0.326
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8623	-		0.00E+00		1.33	ND	3.85E+03	0.352
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8692	-		0.00E+00		1.39	ND	3.85E+03	0.338
PCB-22 234'-TrCB	NotFnd		0.8839	-		0.00E+00		1.29	ND	3.85E+03	0.364
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.85E+03	0.341
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.85E+03	0.329
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.85E+03	0.366
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.85E+03	0.39
PCB-37 344'-TrCB	NotFnd		1.0008	-		0.00E+00		1.35	ND	3.85E+03	0.346
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.35E+03	0.219
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9113	-		0.00E+00		0.93	ND	2.43E+03	0.329
PCB-45 22'36-TeCB	NotFnd		0.9357	-		0.00E+00		0.79	ND	2.43E+03	0.388
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.43E+03	0.315
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.43E+03	0.395
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.91	ND	2.43E+03	0.338
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.43E+03	0.269
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.43E+03	0.371
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		1.09	ND	2.43E+03	0.28
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.91	ND	2.43E+03	0.338
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.97	ND	2.43E+03	0.315
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0512	-		0.00E+00		1.22	ND	2.43E+03	0.251
PCB-42 22'34'-TeCB	NotFnd		1.0580	-		0.00E+00		0.87	ND	2.43E+03	0.354
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.43E+03	0.4
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0762	-		0.00E+00		0.93	ND	2.43E+03	0.33
PCB-64 234'6-TeCB	NotFnd		1.0847	-		0.00E+00		1.32	ND	2.43E+03	0.233
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.31E+03	0.264
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.31E+03	0.219
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.31E+03	0.244
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.31E+03	0.237
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.31E+03	0.225
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	2.31E+03	0.218
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8864	-		0.00E+00		1.23	ND	2.31E+03	0.237
PCB-66 23'44'-TeCB	NotFnd		0.8953	-		0.00E+00		1.16	ND	2.31E+03	0.252
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.31E+03	0.249
PCB-56 233'4'-TeCB	NotFnd		0.9138	-		0.00E+00		1.15	ND	2.31E+03	0.253
PCB-60 2344'-TeCB	NotFnd		0.9199	-		0.00E+00		1.18	ND	2.31E+03	0.247
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.31E+03	0.212
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.31E+03	0.216
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.31E+03	0.269
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.86E+03	0.17
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.86E+03	0.195
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.76E+03	0.294
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.76E+03	0.344

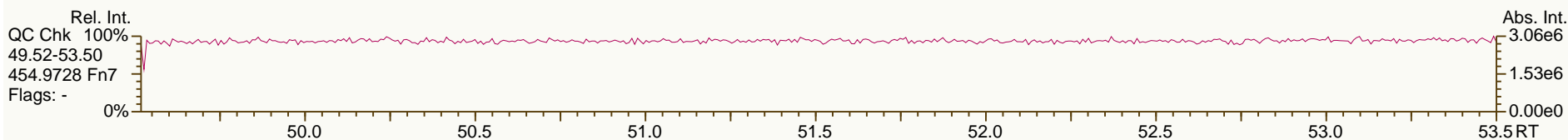
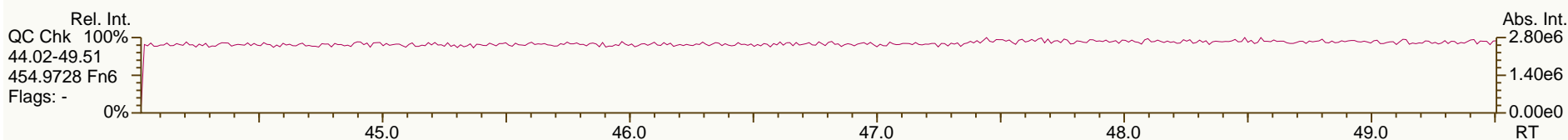
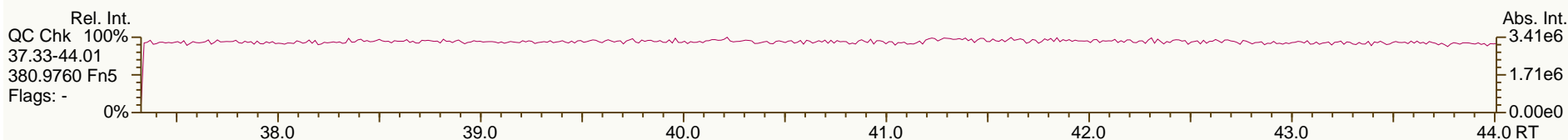
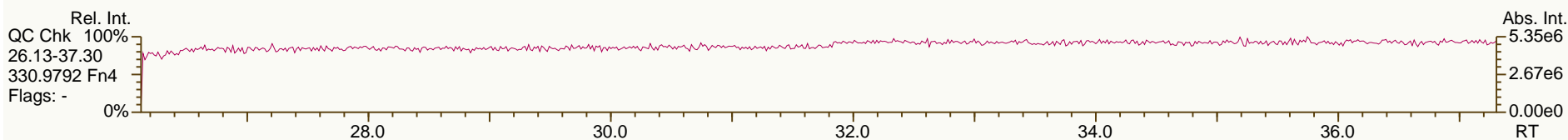
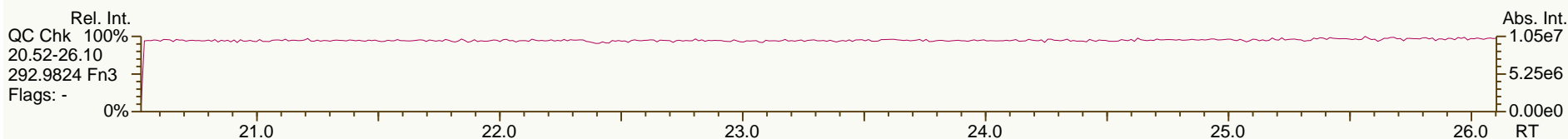
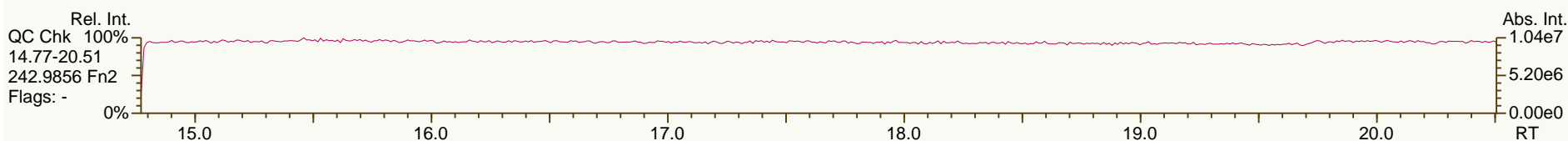
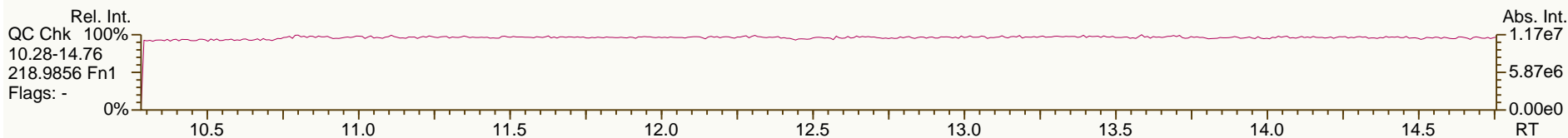
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9145	-		0.00E+00	0.74		ND	1.76E+03	0.319
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00	0.75		ND	1.76E+03	0.315
PCB-102 22'456'-PeCB	NotFnd		0.9256	-		0.00E+00	0.86		ND	1.76E+03	0.277
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00	0.68		ND	1.76E+03	0.349
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00	0.69		ND	1.76E+03	0.346
PCB-91 22'34'6-PeCB	NotFnd		0.9401	-		0.00E+00	0.87		ND	1.76E+03	0.274
PCB-84 22'33'6-PeCB	NotFnd		0.9464	-		0.00E+00	0.64		ND	1.76E+03	0.369
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00	0.70		ND	1.76E+03	0.341
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00	1.07		ND	1.76E+03	0.222
PCB-92 22'355'-PeCB	NotFnd		0.9835	-		0.00E+00	0.73		ND	1.76E+03	0.324
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00	0.87		ND	1.76E+03	0.272
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00	0.65		ND	1.76E+03	0.367
PCB-99 22'44'5-PeCB	NotFnd		1.0179	-		0.00E+00	0.78		ND	1.76E+03	0.304
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00	1.00		ND	1.76E+03	0.238
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0329	-		0.00E+00	0.87		ND	1.76E+03	0.274
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00	1.00		ND	1.76E+03	0.237
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0539	-		0.00E+00	0.81		ND	1.76E+03	0.292
PCB-110 233'4'6-PeCB	NotFnd		1.0580	-		0.00E+00	1.01		ND	1.76E+03	0.234
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00	0.97		ND	1.76E+03	0.245
PCB-82 22'33'4-PeCB	NotFnd		1.0674	-		0.00E+00	0.63		ND	1.76E+03	0.379
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00	1.07		ND	1.76E+03	0.221
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00	1.07		ND	1.76E+03	0.222
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00	0.95		ND	1.76E+03	0.249
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00	1.10		ND	1.76E+03	0.216
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00	1.01		ND	1.76E+03	0.236
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00	0.88		ND	1.76E+03	0.278
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00	0.97		ND	1.76E+03	0.255
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00	1.21		ND	2.91E+03	0.27
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00	1.09		ND	2.91E+03	0.298
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00	1.09		ND	2.91E+03	0.298
PCB-136 22'33'66'-HxCB	NotFnd		1.0210	-		0.00E+00	0.98		ND	2.91E+03	0.332
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00	1.02		ND	2.91E+03	0.319
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00	1.03		ND	2.91E+03	0.4
PCB-151/135 ...-HxCB	NotFnd	C	1.0918	-		0.00E+00	1.00		ND	2.91E+03	0.412
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00	1.14		ND	2.91E+03	0.36
PCB-144 22'345'6-HxCB	NotFnd		1.1079	-		0.00E+00	1.03		ND	2.91E+03	0.397
PCB-147/149 ...-HxCB	NotFnd	C	1.1182	-		0.00E+00	1.05		ND	2.91E+03	0.39
PCB-134 22'33'56-HxCB	NotFnd		1.1239	-		0.00E+00	0.77		ND	2.91E+03	0.53
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00	1.06		ND	2.91E+03	0.388
PCB-139/140 ...-HxCB	NotFnd	C	1.1359	-		0.00E+00	1.05		ND	2.91E+03	0.389
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00	0.91		ND	2.91E+03	0.452
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00	0.91		ND	2.91E+03	0.45
PCB-132 22'33'46'-HxCB	NotFnd		1.1547	-		0.00E+00	0.93		ND	2.91E+03	0.441
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00	0.98		ND	2.91E+03	0.42
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00	1.20		ND	2.91E+03	0.341
PCB-146 22'34'55'-HxCB	NotFnd		0.9570	-		0.00E+00	1.09		ND	2.91E+03	0.377
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00	1.36		ND	2.91E+03	0.302
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00	1.32		ND	2.91E+03	0.31

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9759	-		0.00E+00		1.02	ND	2.91E+03	0.4
PCB-130 22'33'45'-HxCB	NotFnd		0.9854	-		0.00E+00		0.89	ND	2.91E+03	0.459
PCB-137 22'344'5-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	2.91E+03	0.374
PCB-164 233'4'5'6-HxCB	NotFnd		0.9932	-		0.00E+00		1.28	ND	2.91E+03	0.321
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		1.06	ND	2.91E+03	0.385
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	2.91E+03	0.344
PCB-158 233'44'6-HxCB	NotFnd		1.0099	-		0.00E+00		1.37	ND	2.91E+03	0.299
PCB-128/166 ...-HxCB	NotFnd	C	0.9625	-		0.00E+00		0.86	ND	1.64E+03	0.293
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.64E+03	0.246
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.64E+03	0.246
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.81E+03	0.167
PCB-179 22'33'566'-HpCB	NotFnd		1.0087	-		0.00E+00		0.87	ND	1.81E+03	0.174
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.81E+03	0.179
PCB-176 22'33'466'-HpCB	NotFnd		1.0308	-		0.00E+00		0.95	ND	1.81E+03	0.16
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.81E+03	0.172
PCB-178 22'33'55'6-HpCB	NotFnd		1.0759	-		0.00E+00		0.63	ND	1.81E+03	0.24
PCB-175 22'33'45'6-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	2.21E+03	0.382
PCB-187 22'34'55'6-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	2.21E+03	0.337
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.21E+03	0.324
PCB-183 22'344'5'6-HpCB	NotFnd		1.1139	-		0.00E+00		1.00	ND	2.21E+03	0.326
PCB-185 22'3455'6-HpCB	NotFnd		1.1163	-		0.00E+00		0.90	ND	2.21E+03	0.364
PCB-174 22'33'456'-HpCB	NotFnd		1.1196	-		0.00E+00		0.86	ND	2.21E+03	0.379
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1305	-		0.00E+00		0.82	ND	2.21E+03	0.4
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.21E+03	0.343
PCB-171/173 ...-HpCB	NotFnd	C	1.1461	-		0.00E+00		0.82	ND	2.21E+03	0.401
PCB-172 22'33'455'-HpCB	NotFnd		0.9050	-		0.00E+00		0.83	ND	2.21E+03	0.394
PCB-192 233'455'6-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.21E+03	0.301
PCB-180/193 ...-HpCB	NotFnd	C	0.9168	-		0.00E+00		1.03	ND	2.21E+03	0.319
PCB-191 233'44'5'6-HpCB	NotFnd		0.9242	-		0.00E+00		1.14	ND	2.21E+03	0.287
PCB-170 22'33'44'5-HpCB	NotFnd		0.9414	-		0.00E+00		0.96	ND	2.21E+03	0.396
PCB-190 233'44'56-HpCB	NotFnd		0.9515	-		0.00E+00		1.28	ND	2.21E+03	0.295
PCB-202 22'33'55'66'-OcCB	NotFnd		1.0006	-		0.00E+00		0.86	ND	1.68E+03	0.225
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0209	-		0.00E+00		0.97	ND	1.68E+03	0.2
PCB-204 22'344'566'-OcCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.68E+03	0.215
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.68E+03	0.194
PCB-200 22'33'4566'-OcCB	NotFnd		1.0430	-		0.00E+00		0.88	ND	1.68E+03	0.22
PCB-198/199 ...-OcCB	NotFnd	C	1.1037	-		0.00E+00		0.66	ND	1.68E+03	0.293
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1186	-		0.00E+00		0.68	ND	1.68E+03	0.284
PCB-203 22'344'55'6-OcCB	NotFnd		1.1230	-		0.00E+00		0.71	ND	1.68E+03	0.273
PCB-195 22'33'44'56-OcCB	NotFnd		0.9498	-		0.00E+00		0.81	ND	1.52E+03	0.425
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9918	-		0.00E+00		0.87	ND	1.52E+03	0.395
PCB-205 233'44'55'6-OcCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.52E+03	0.315
PCB-208 22'33'455'66'-NoCB	NotFnd		1.0005	-		0.00E+00		1.00	ND	2.10E+03	0.327
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0184	-		0.00E+00		0.99	ND	2.10E+03	0.329
PCB-206 22'33'44'55'6-NoCB	NotFnd		1.0004	-		0.00E+00		0.85	ND	2.10E+03	0.509

SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

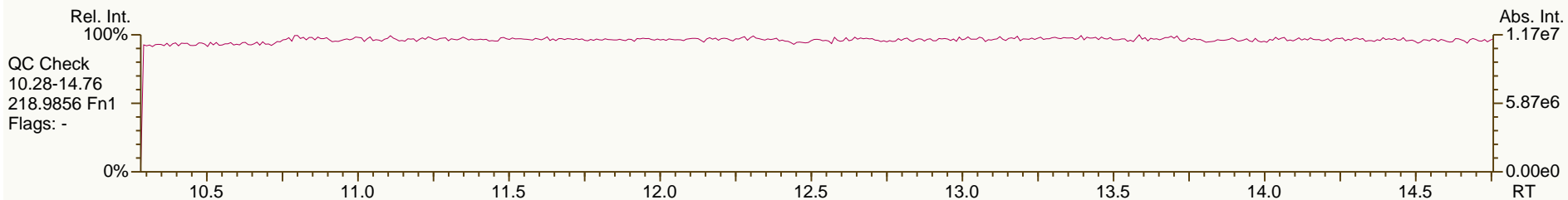
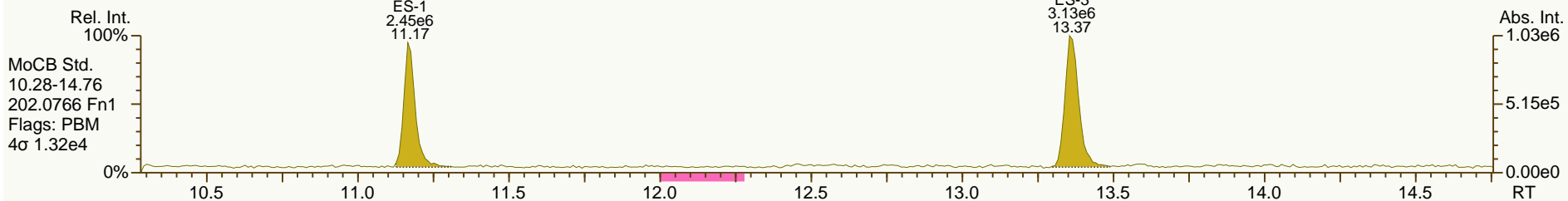
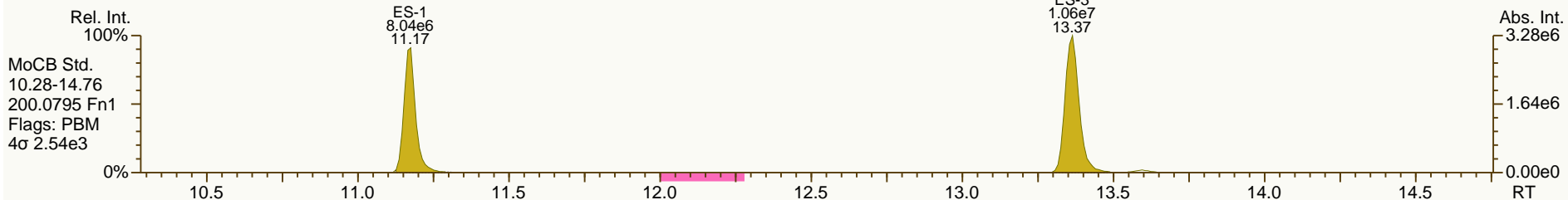
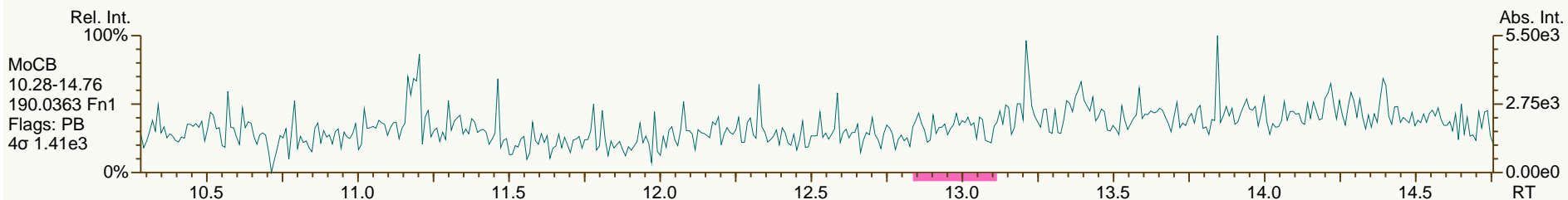
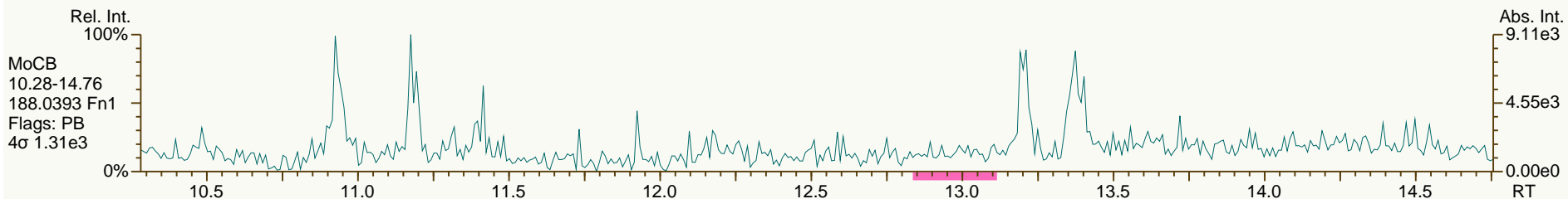
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SGS-AP ID: MB1_11356_PCB_SDS
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Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

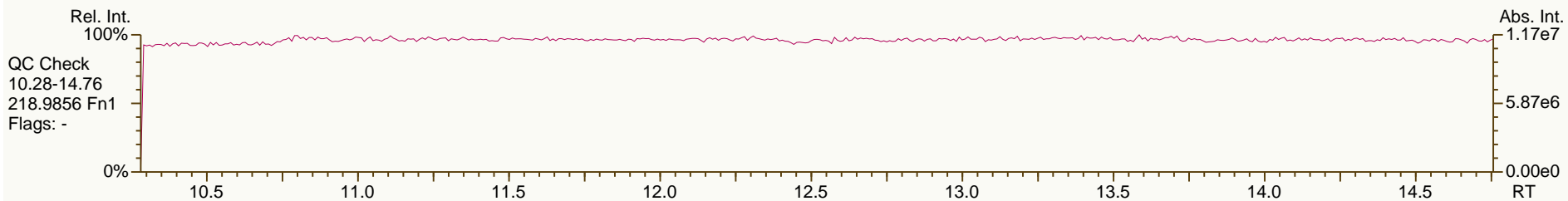
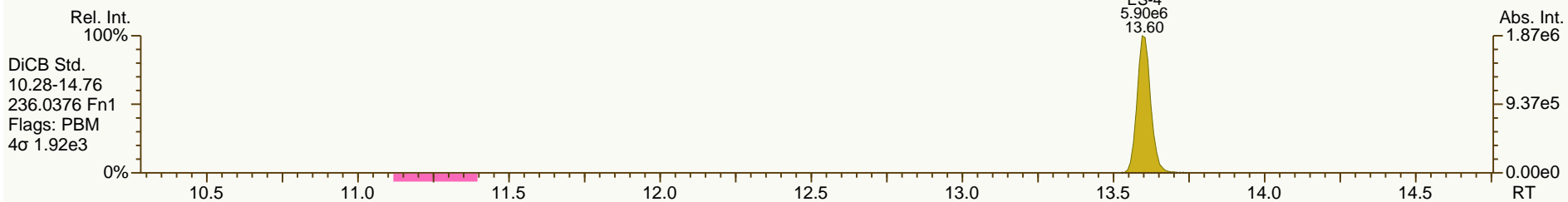
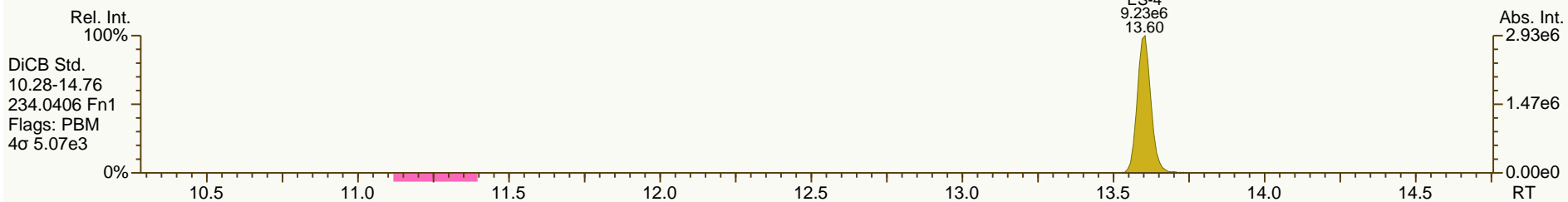
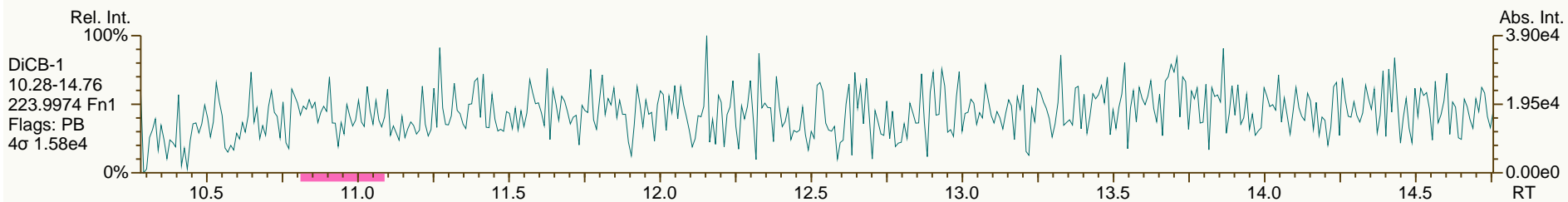
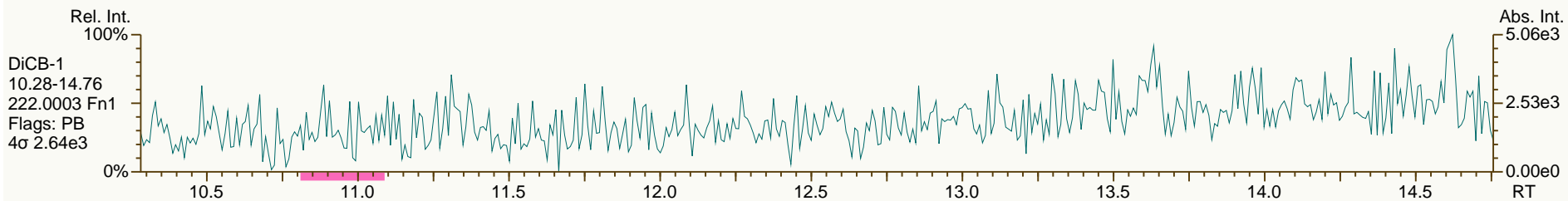
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Sample ID: Method Blank
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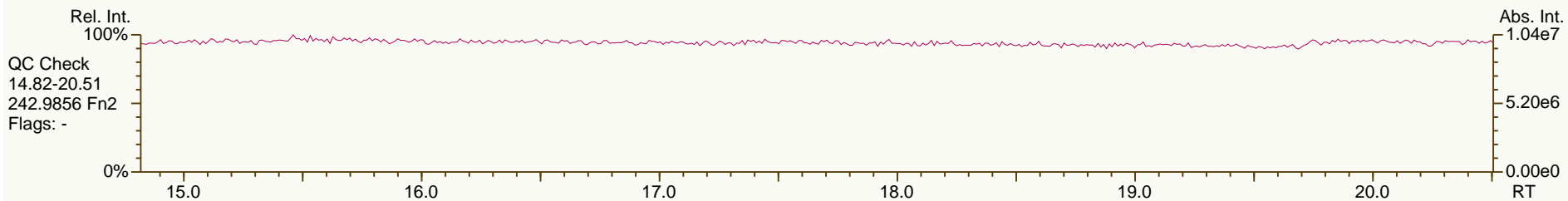
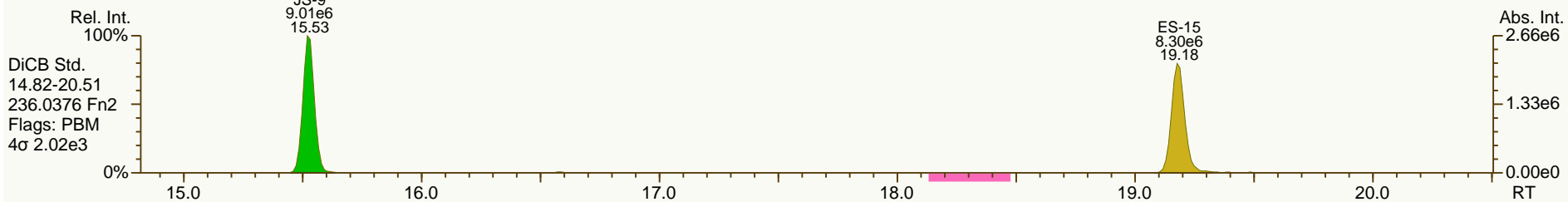
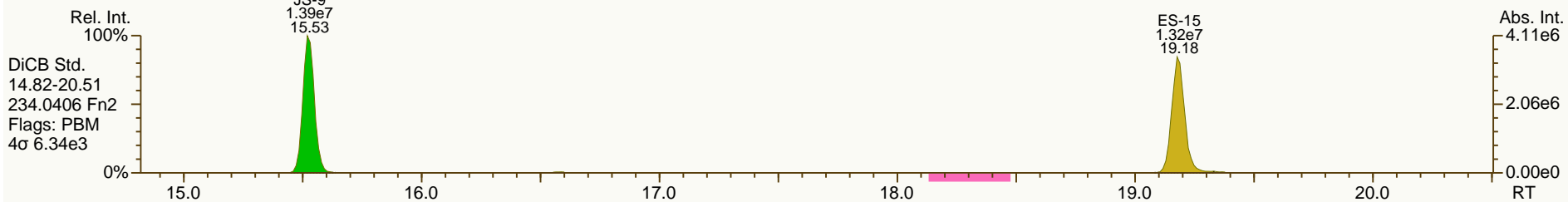
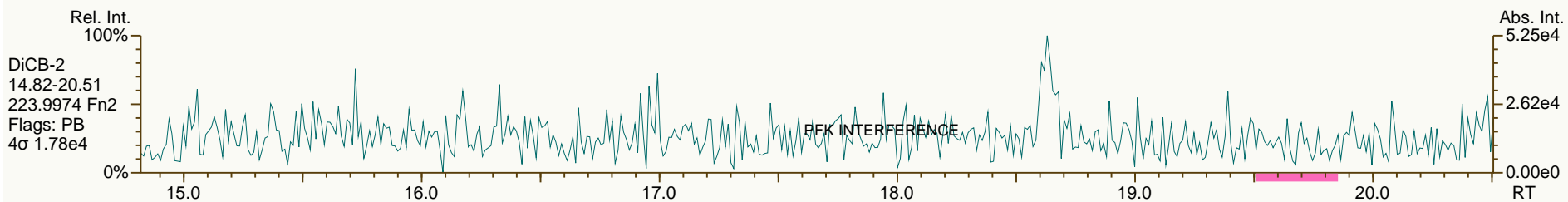
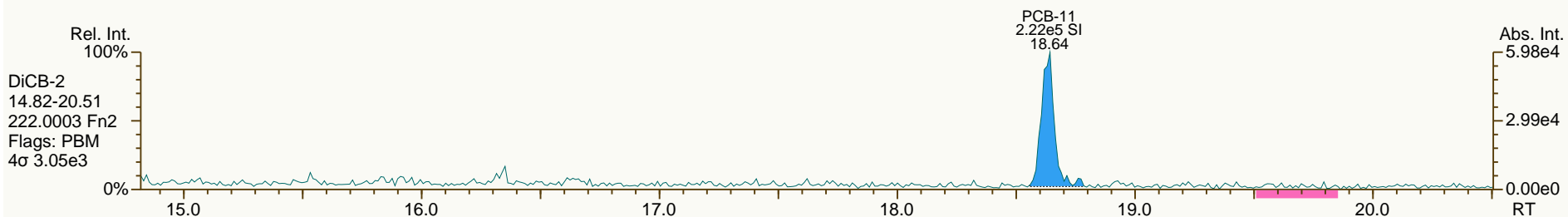
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Sample ID: Method Blank
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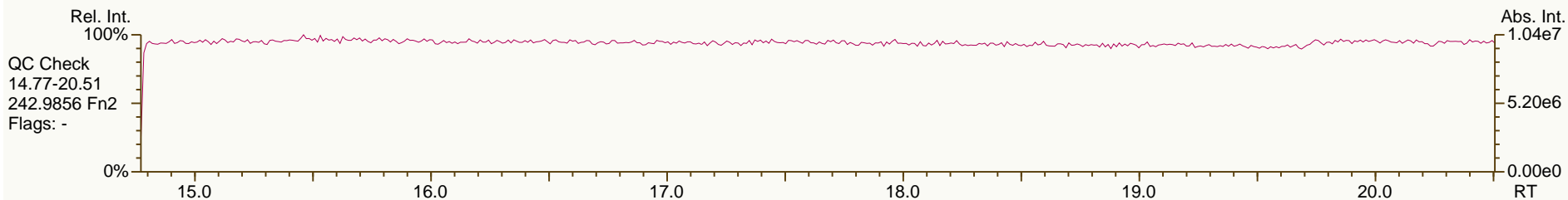
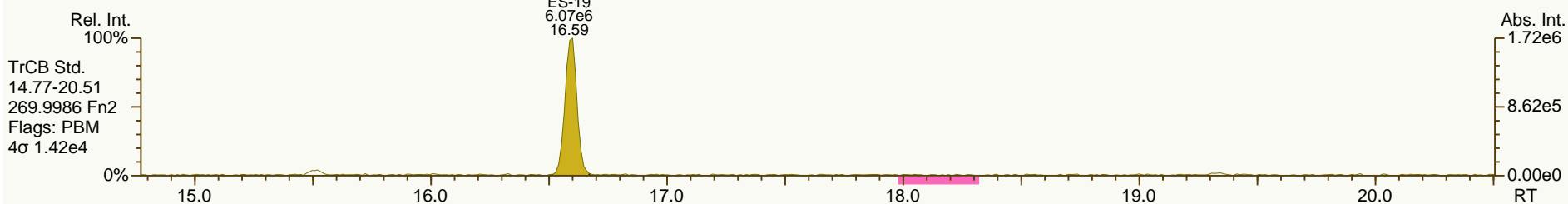
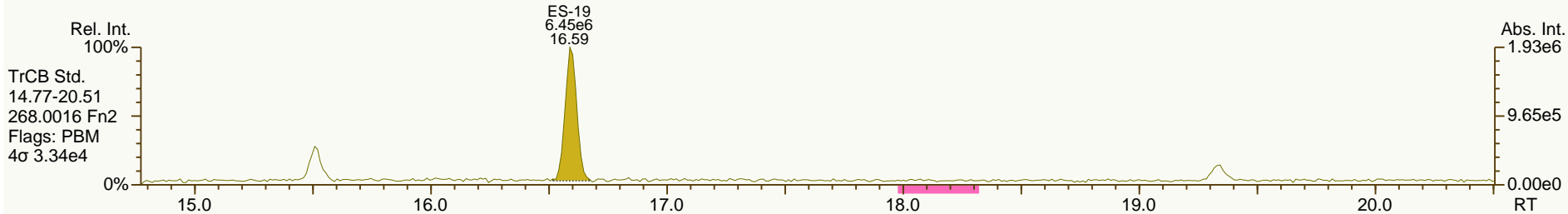
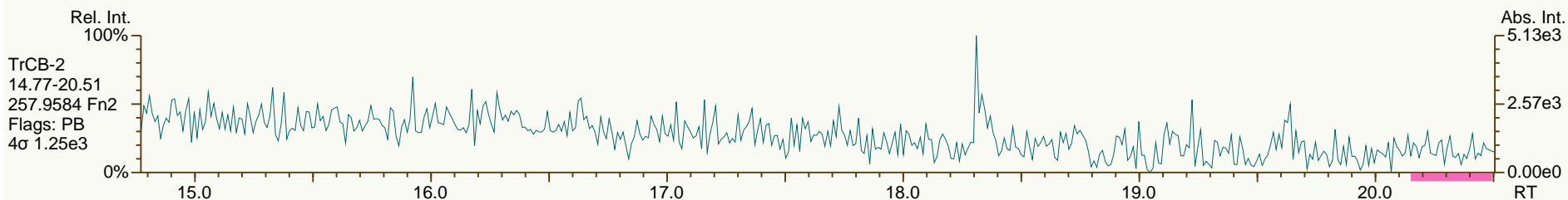
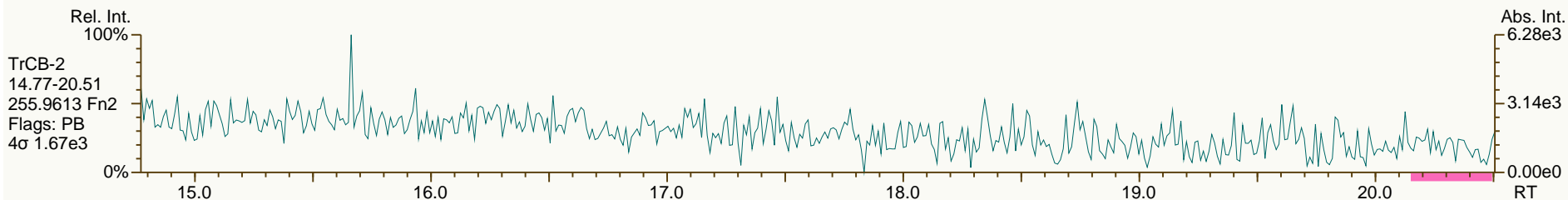
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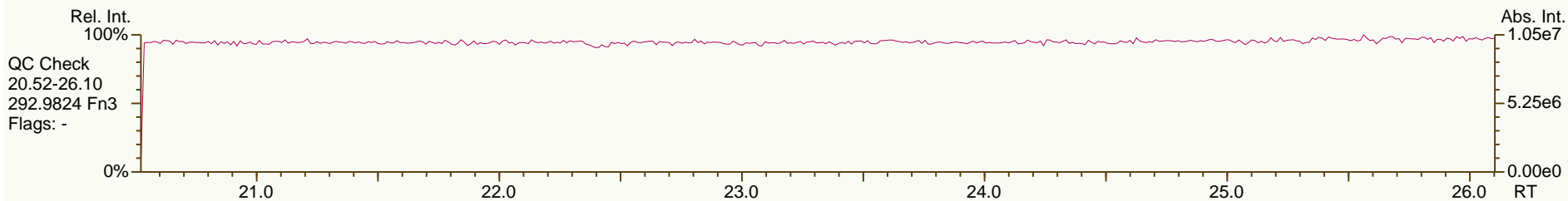
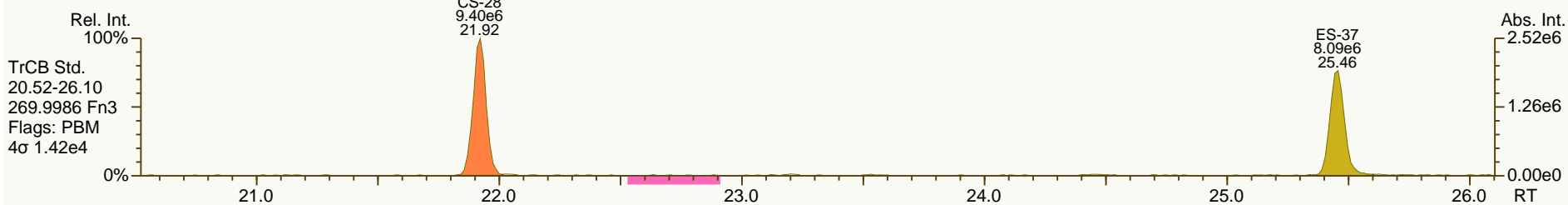
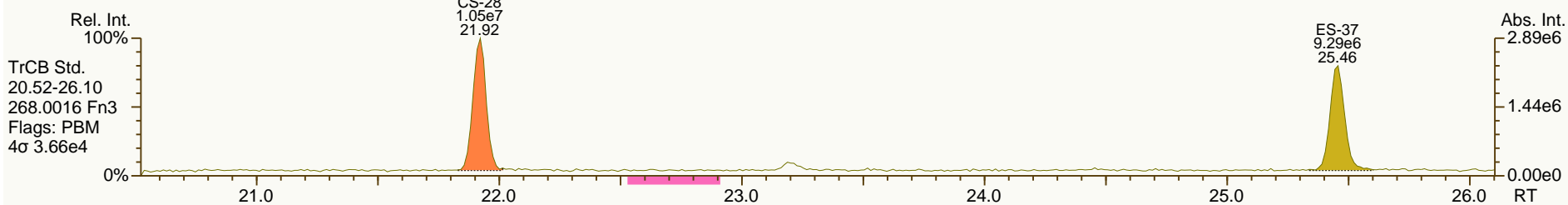
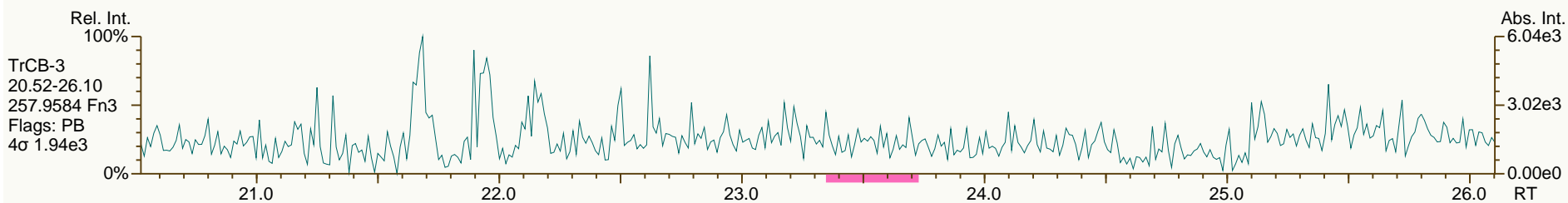
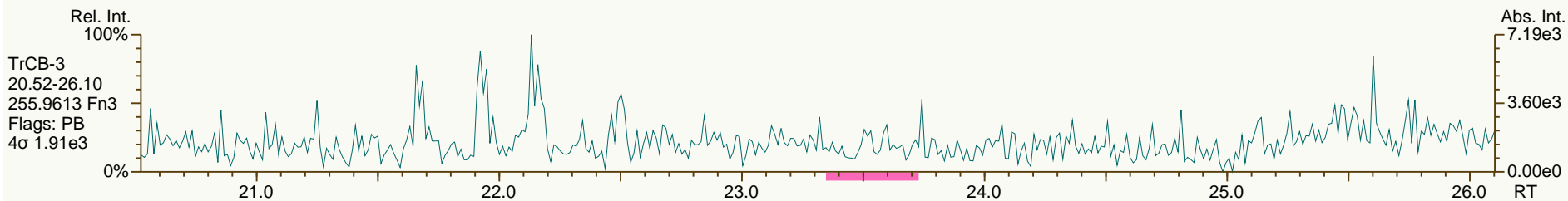
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Sample ID: Method Blank
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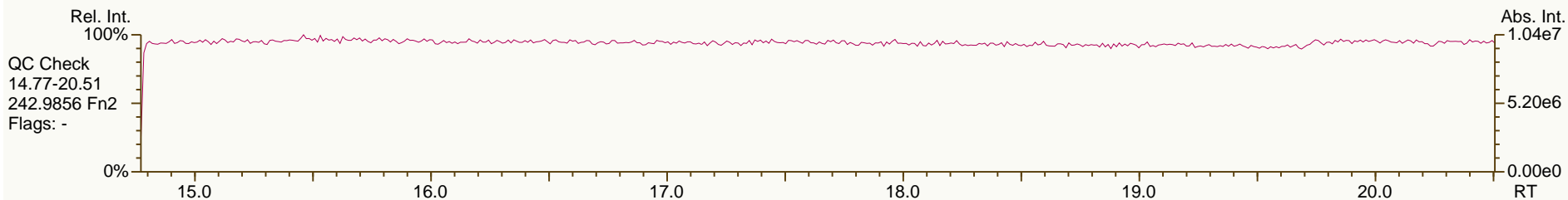
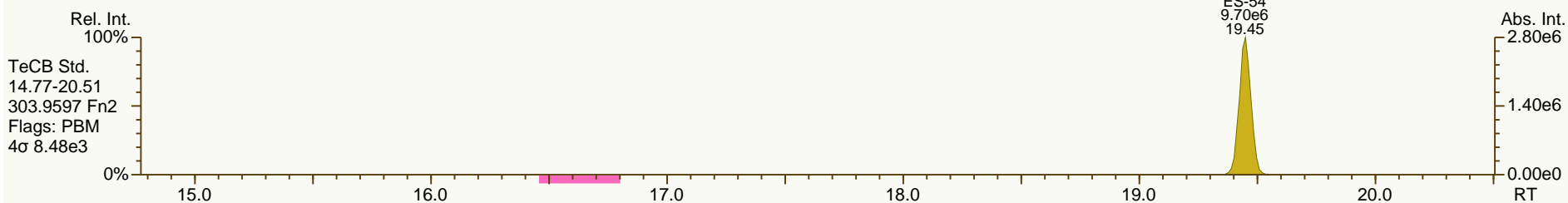
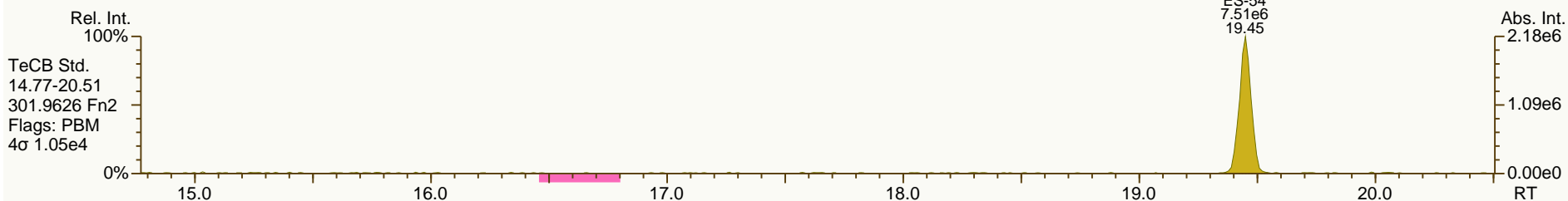
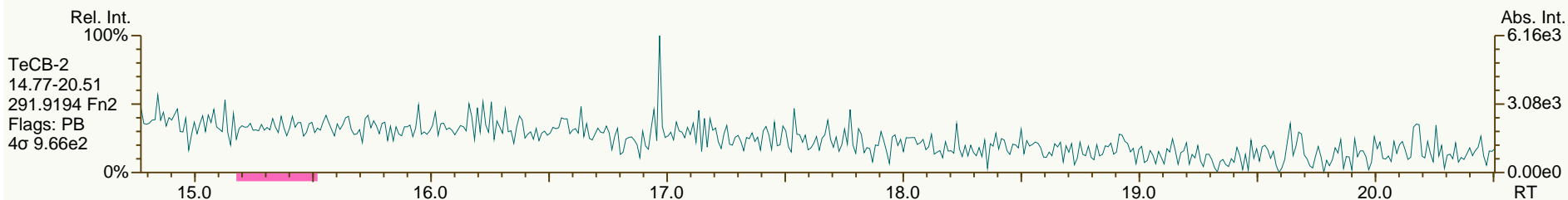
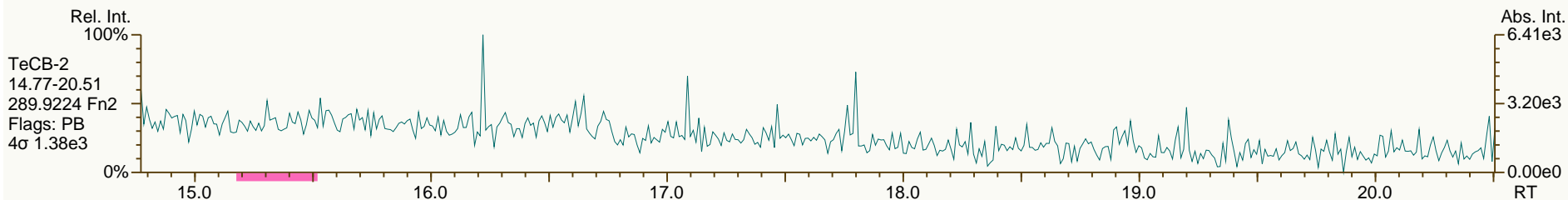
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

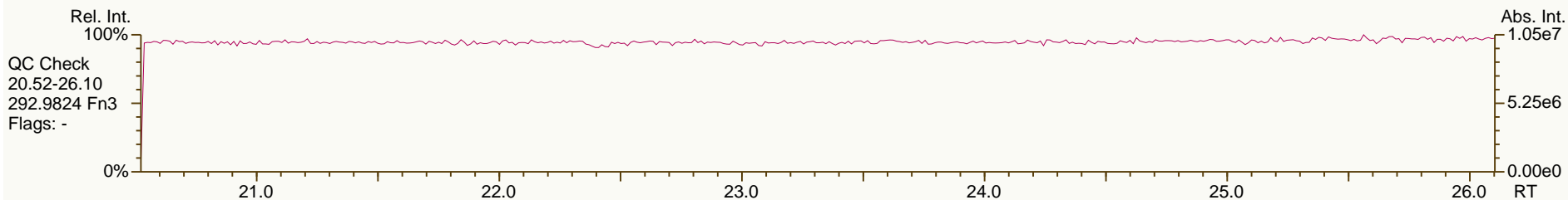
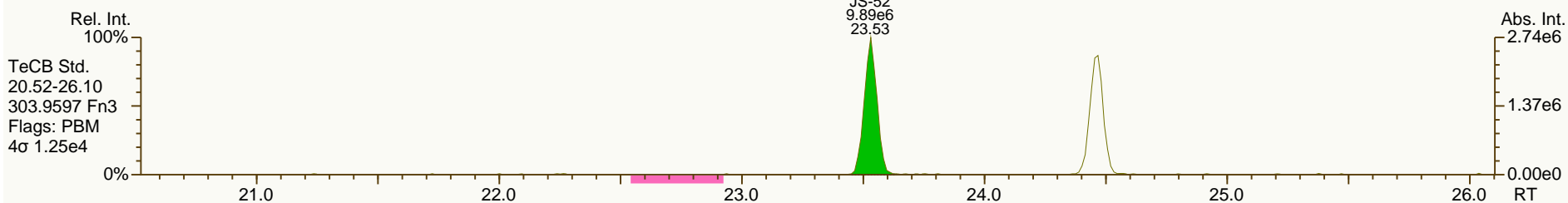
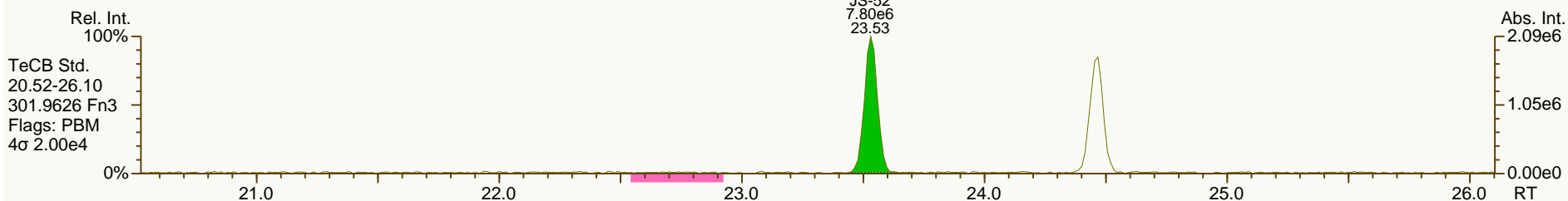
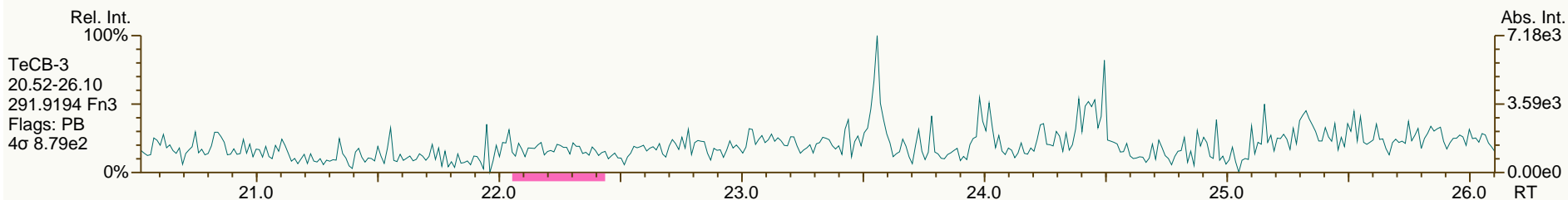
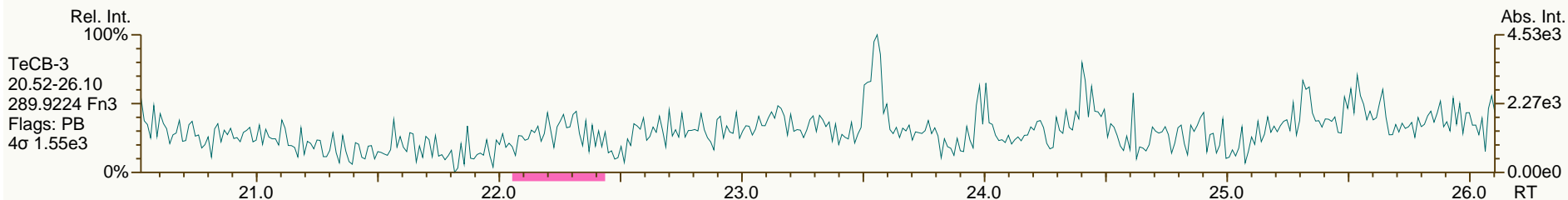
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SGS-AP ID: MB1_11356_PCB_SDS
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Sample ID: Method Blank
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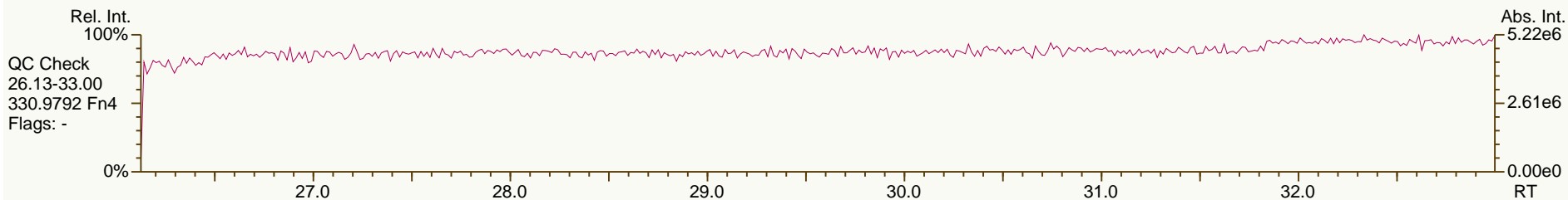
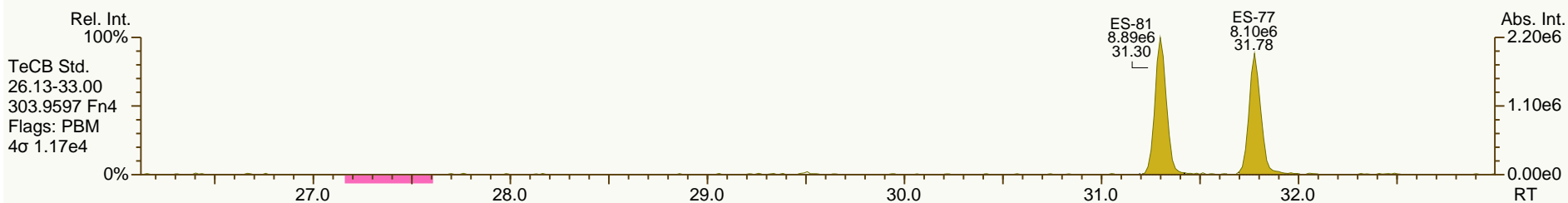
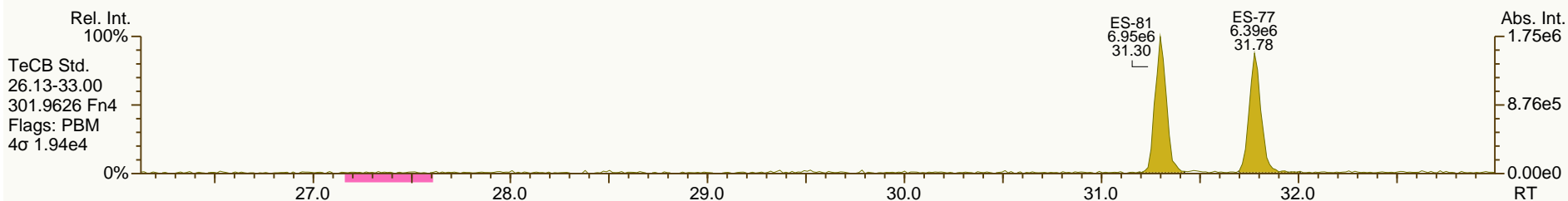
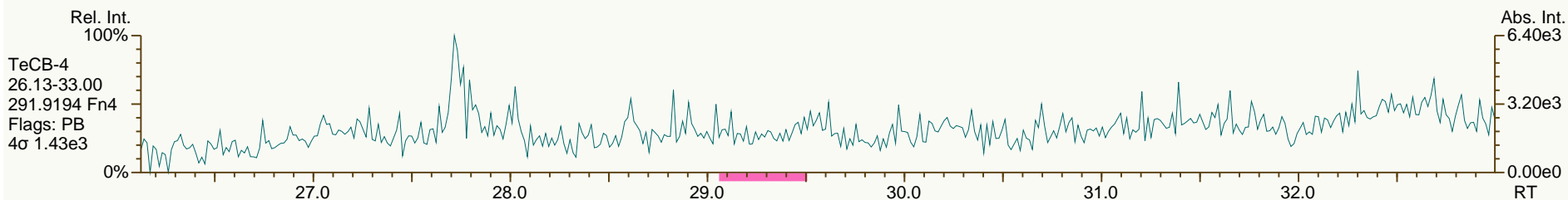
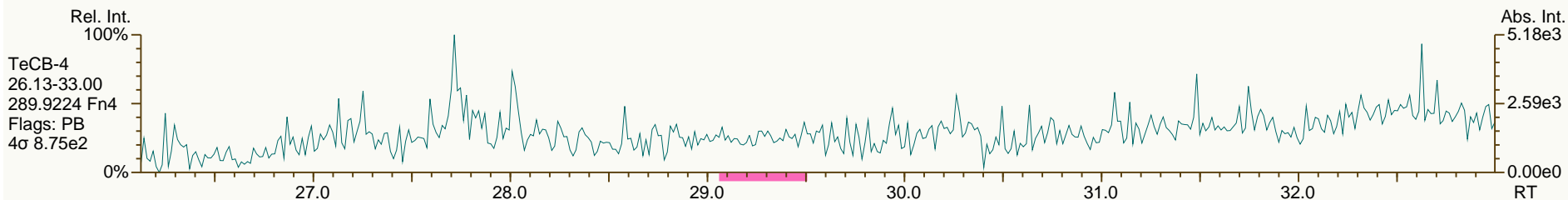
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

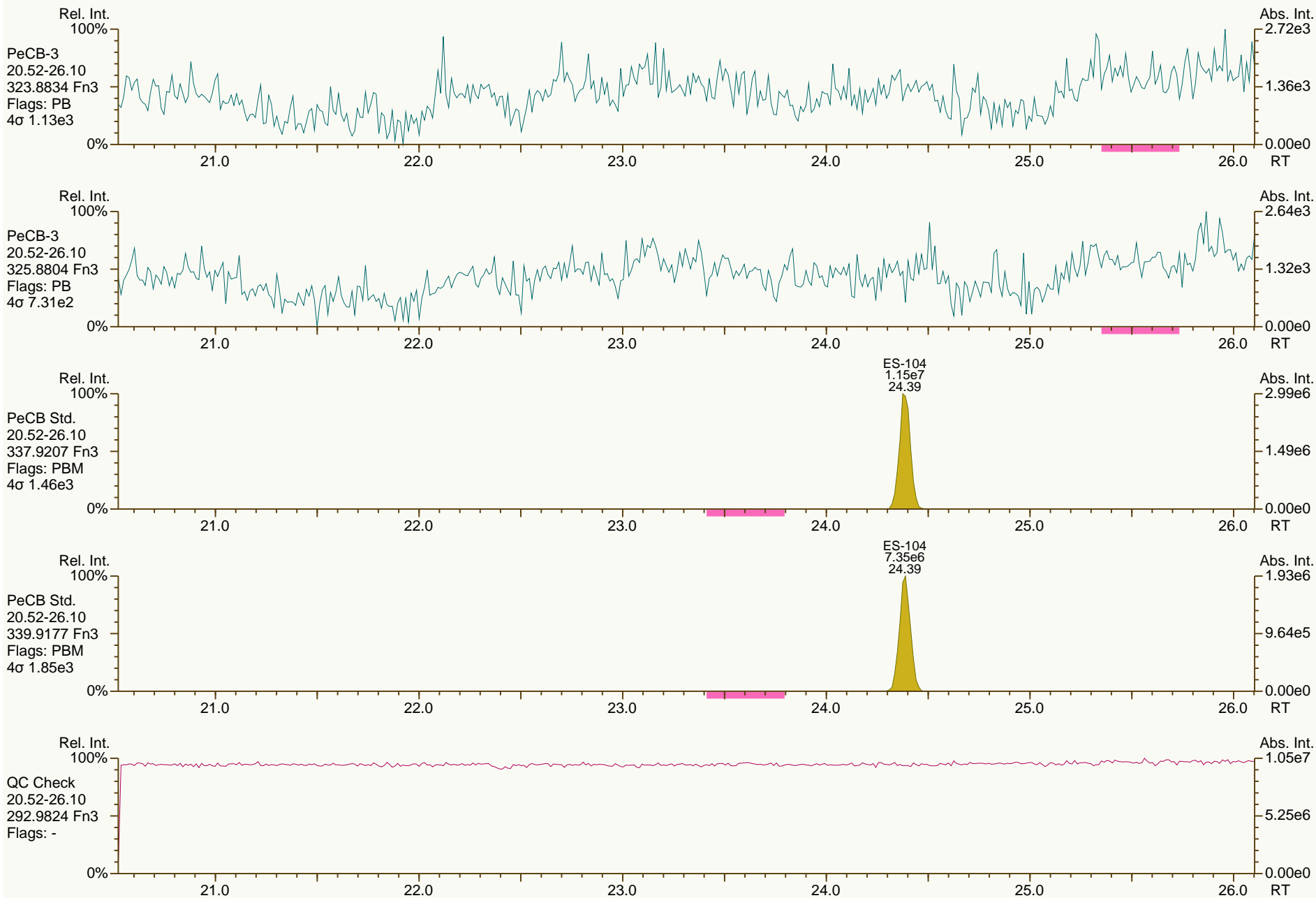
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

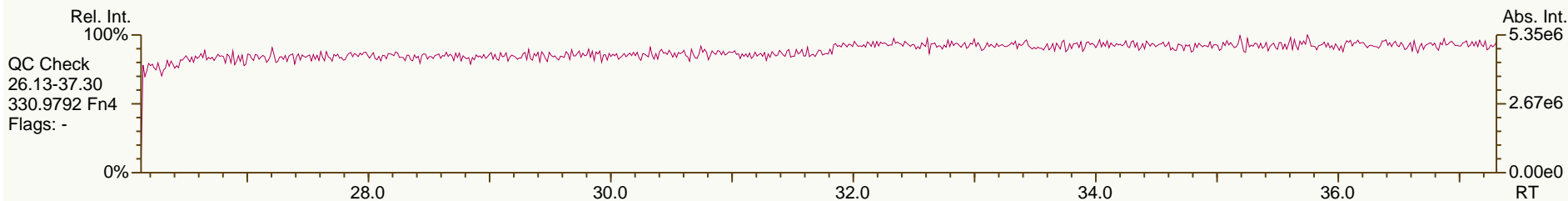
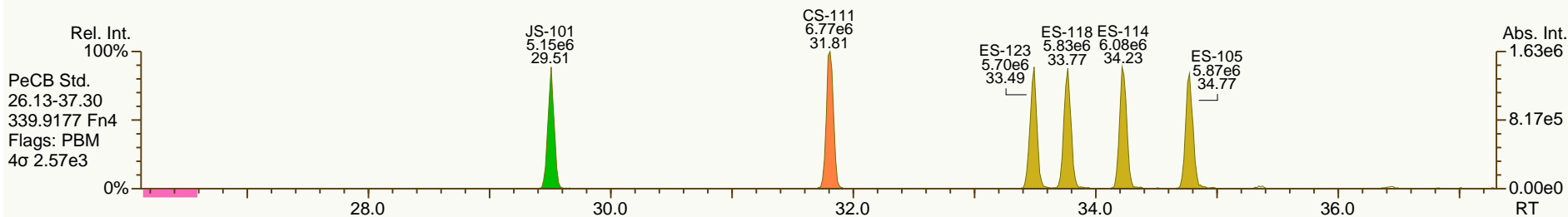
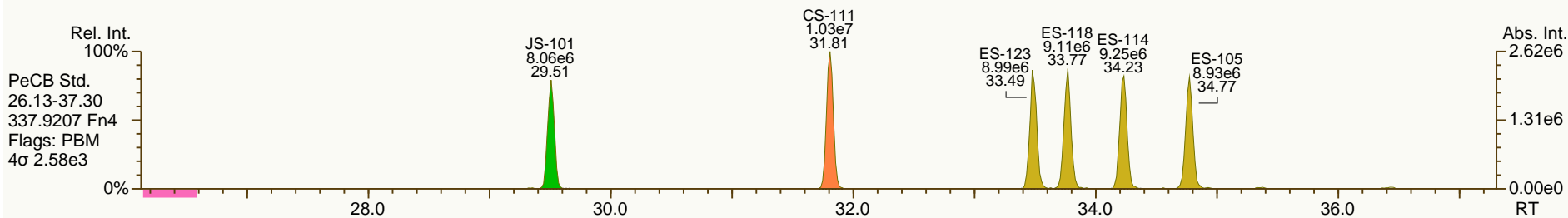
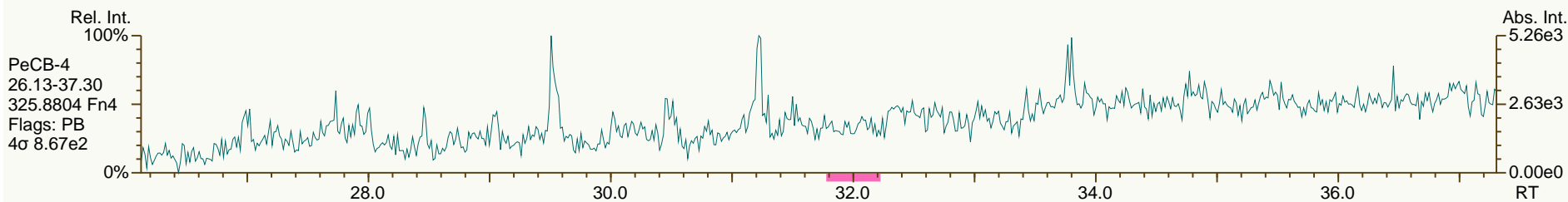
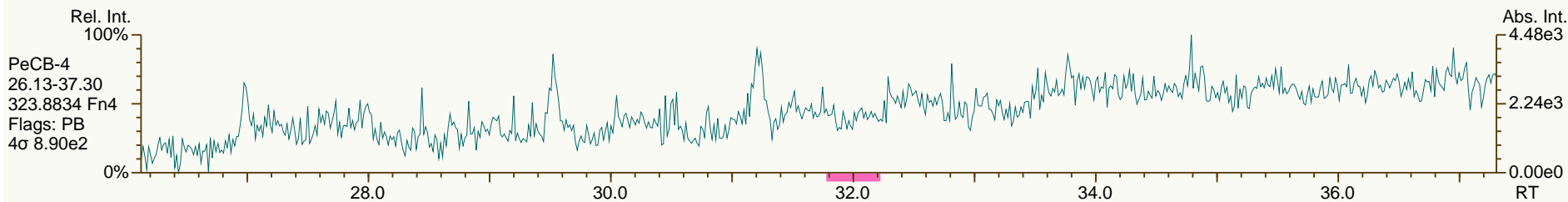
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

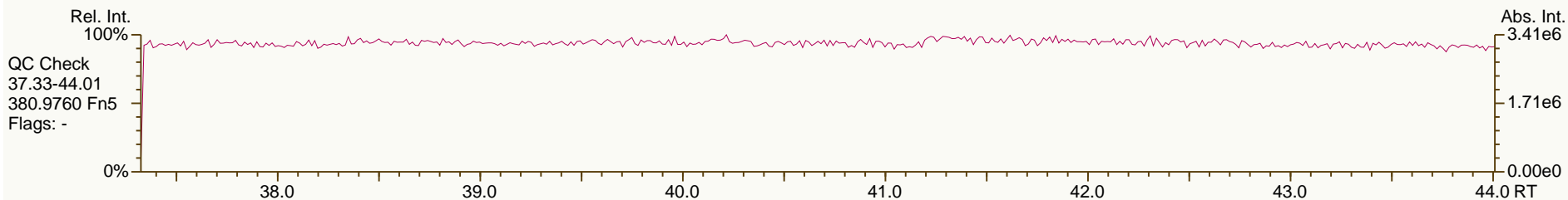
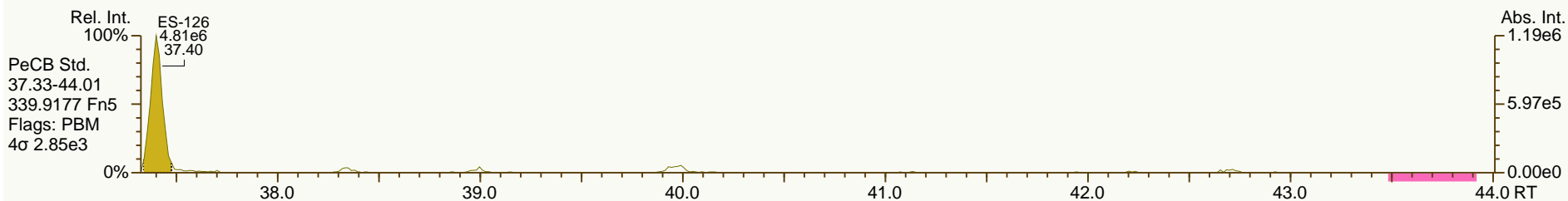
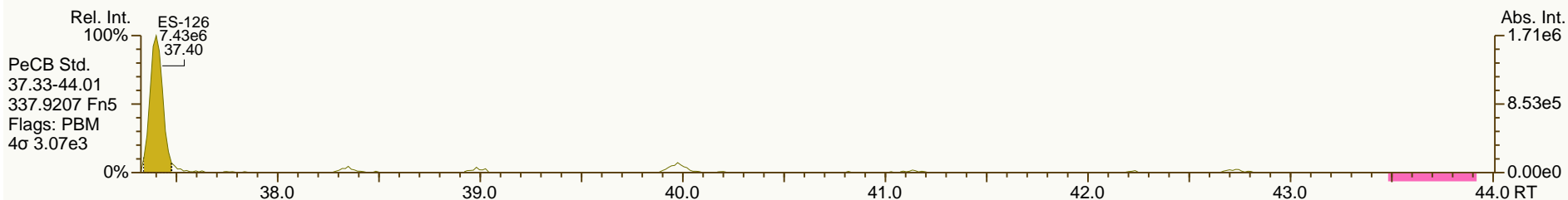
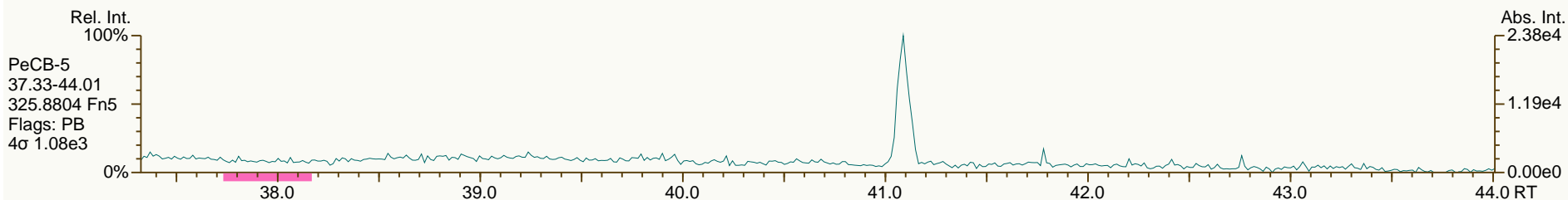
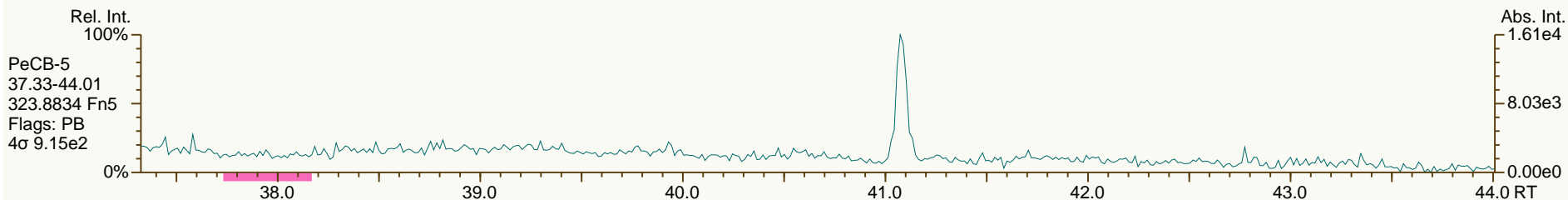
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

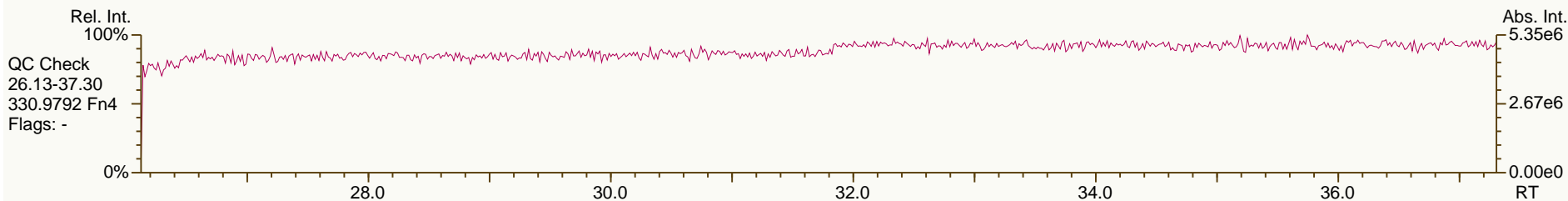
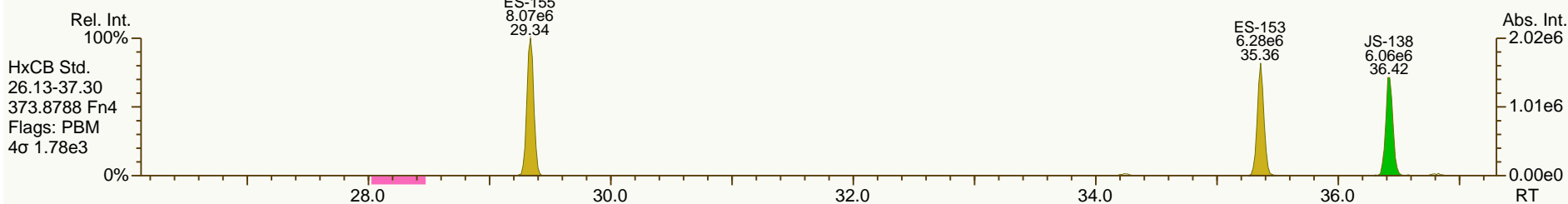
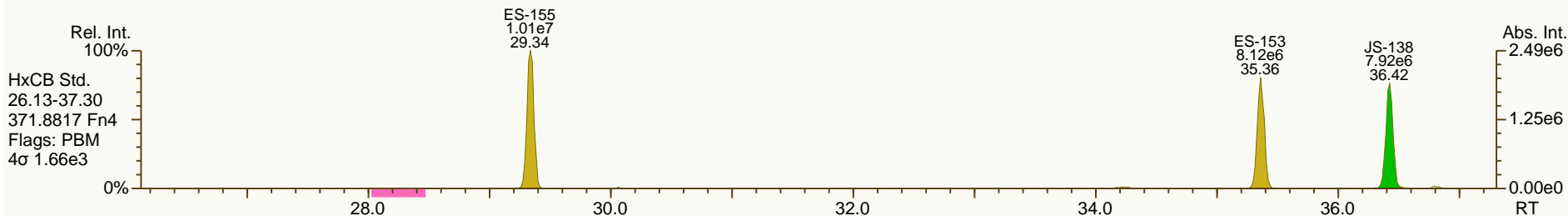
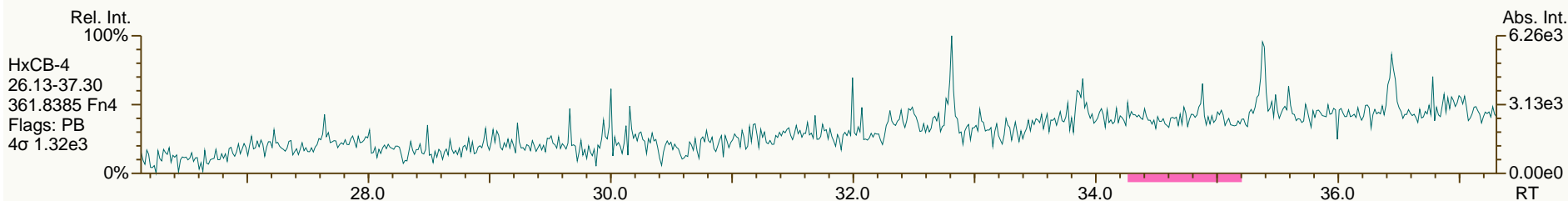
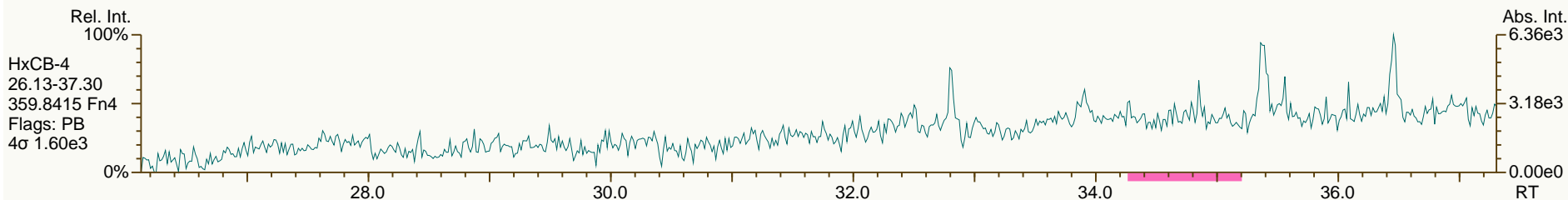
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

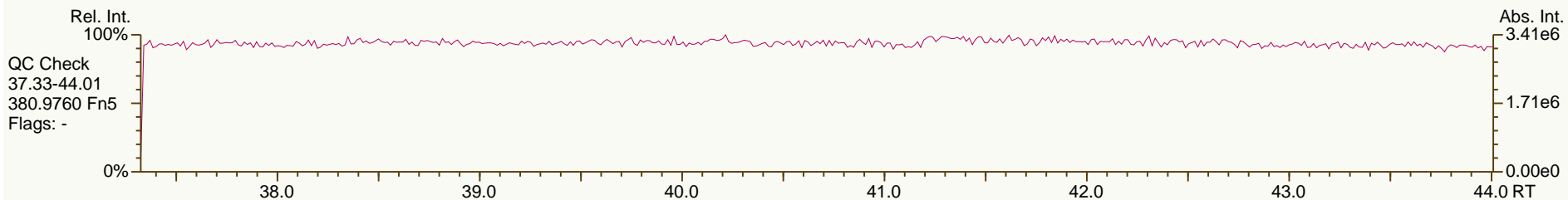
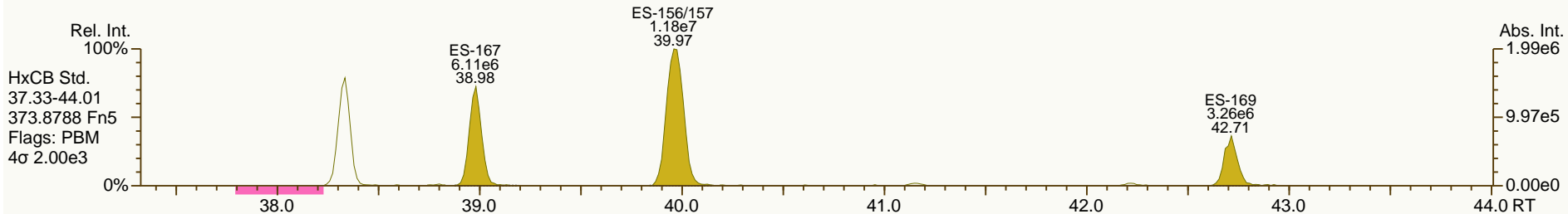
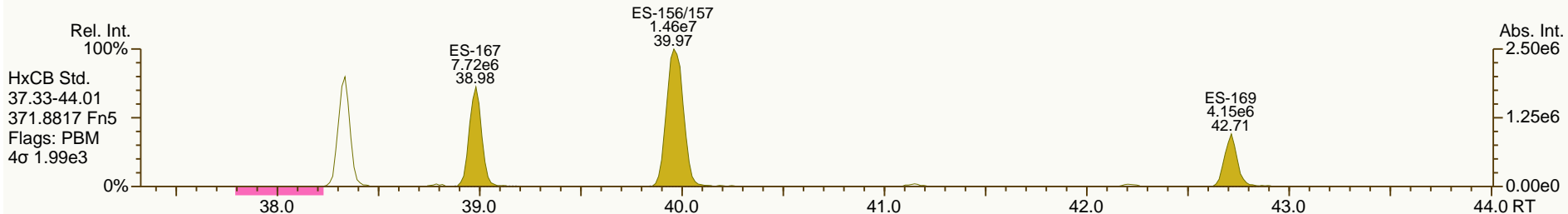
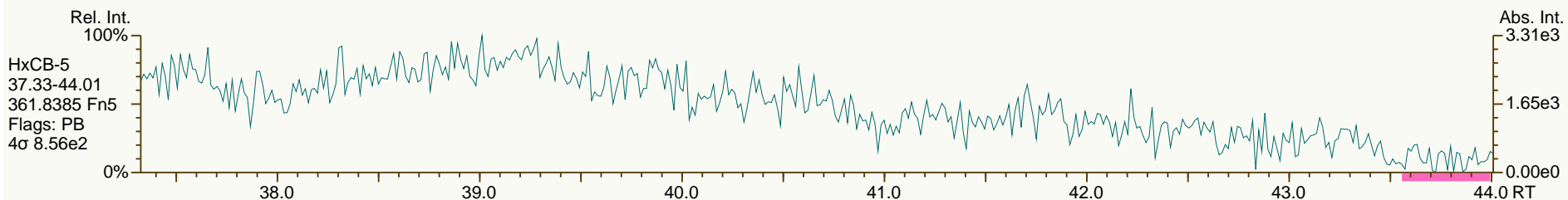
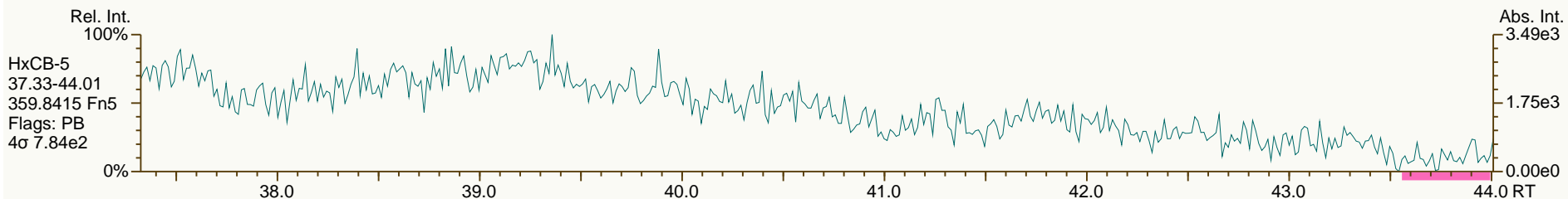
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

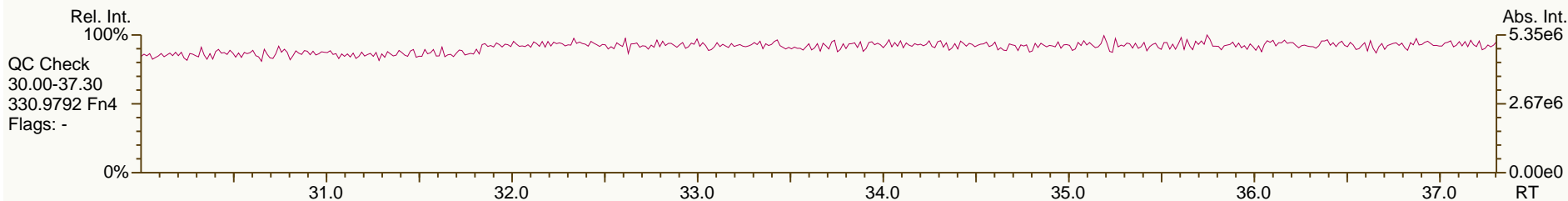
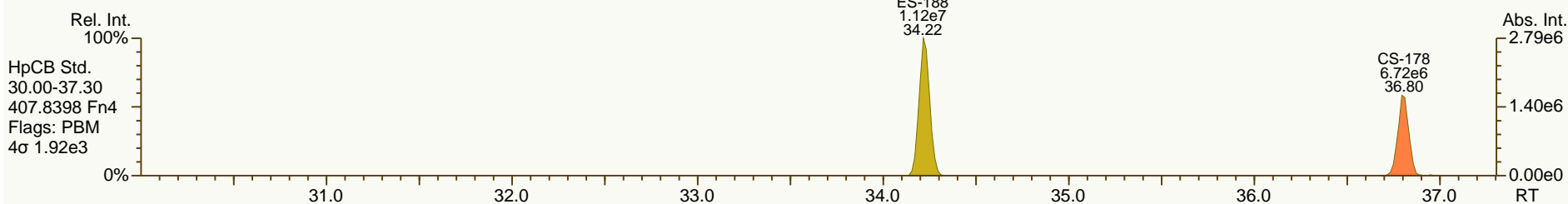
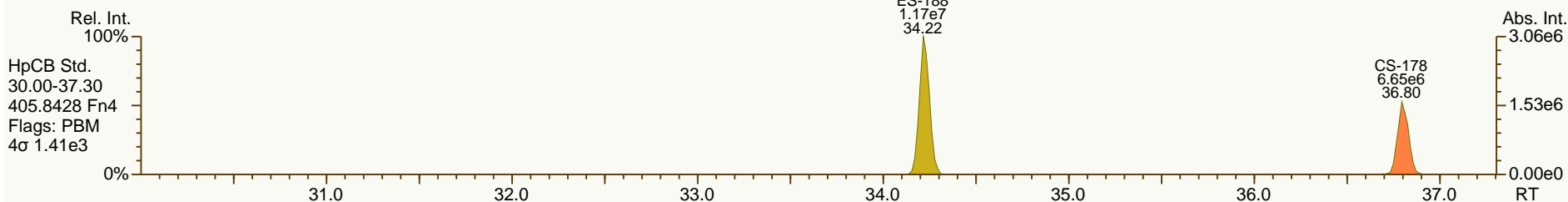
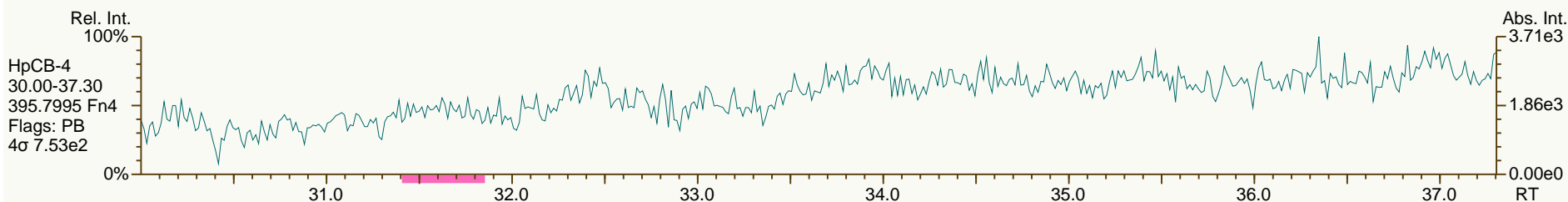
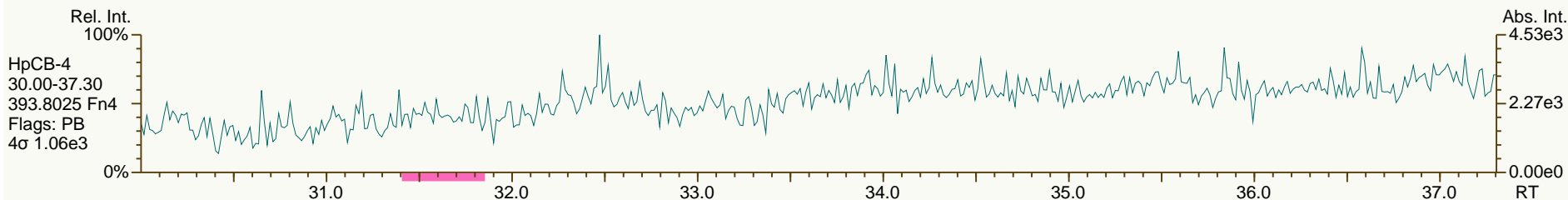
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

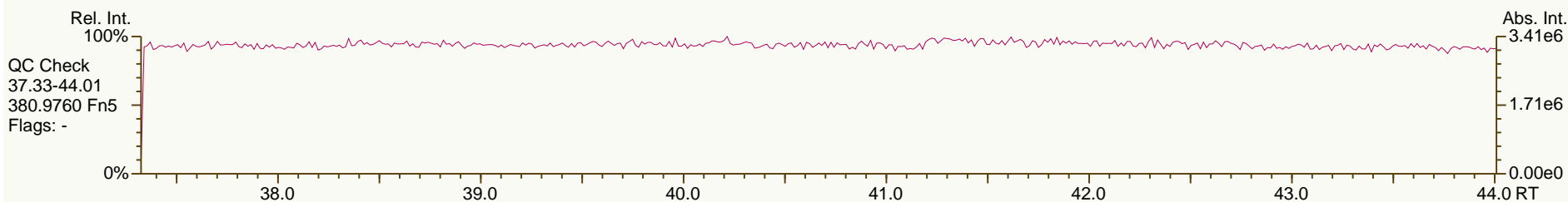
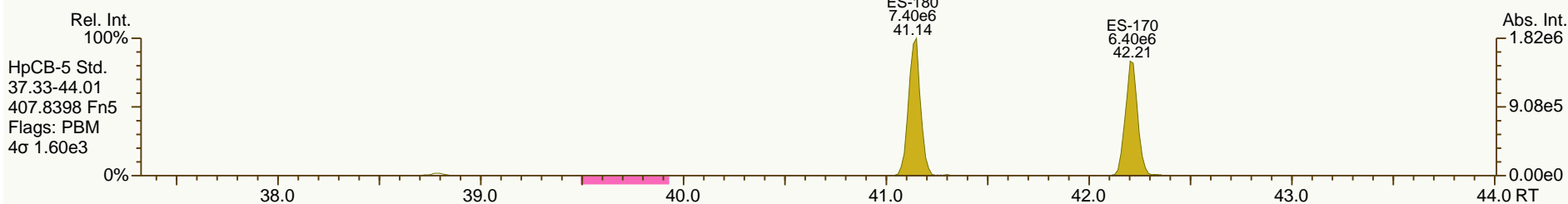
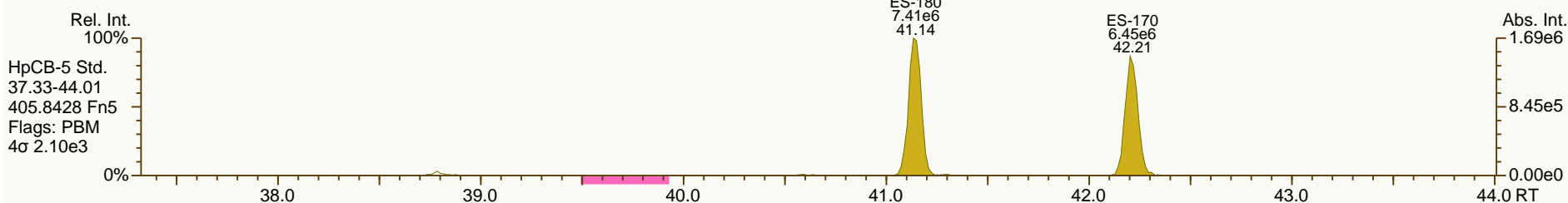
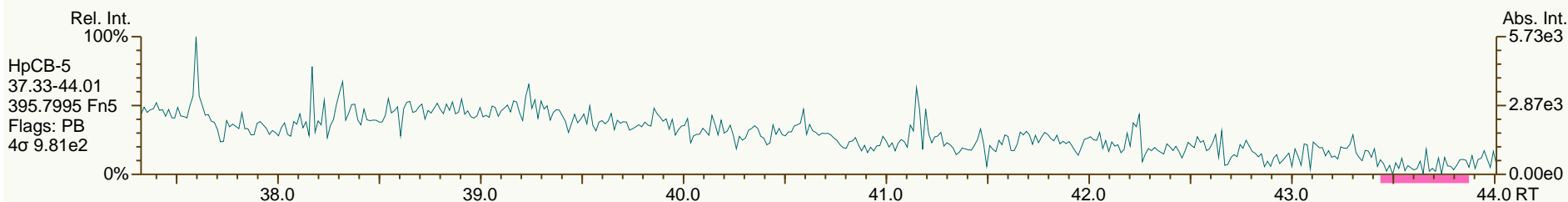
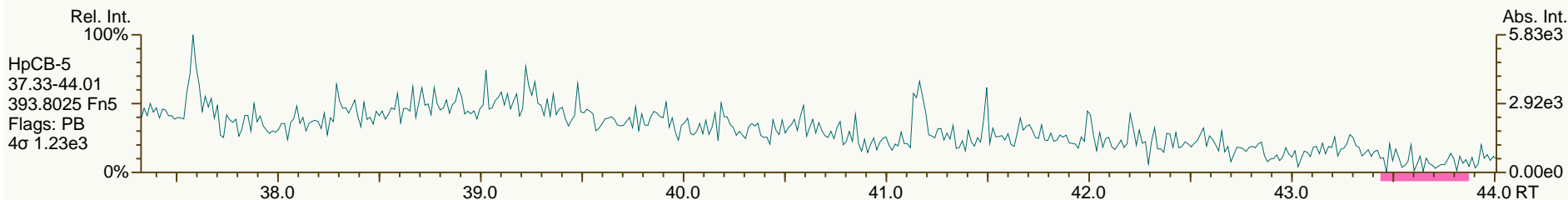
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

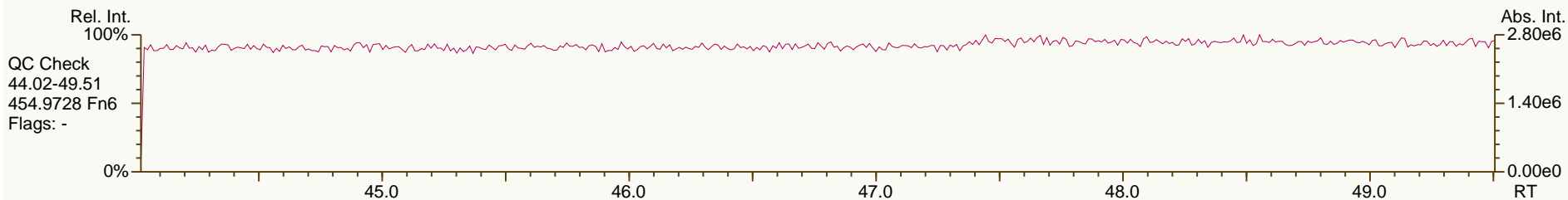
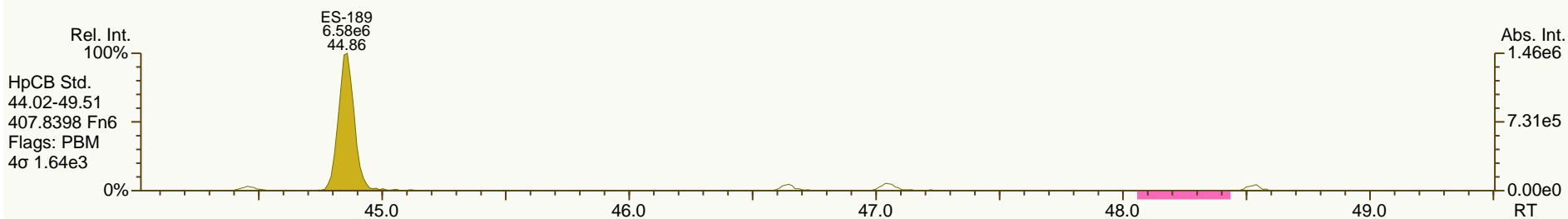
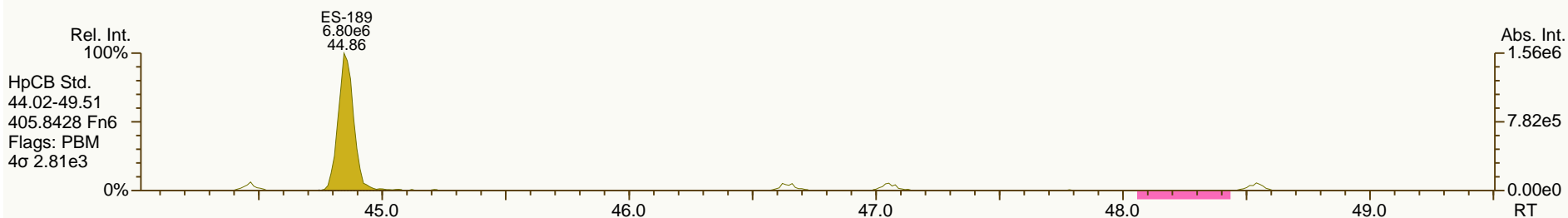
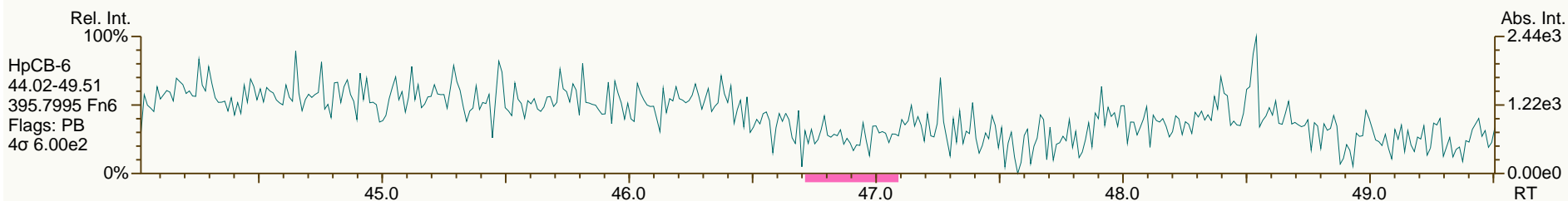
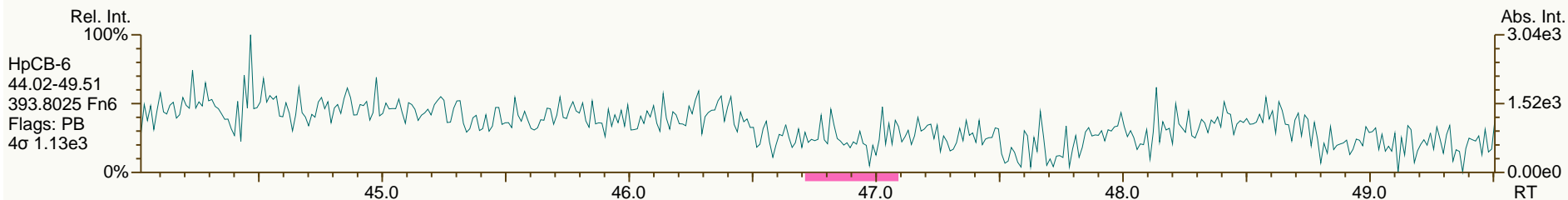
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

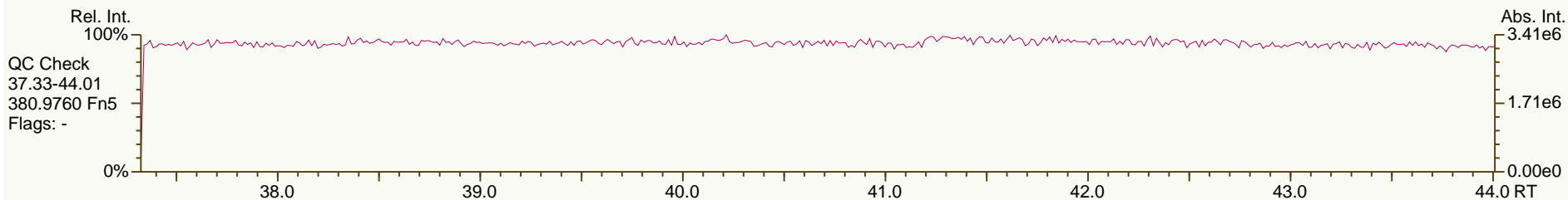
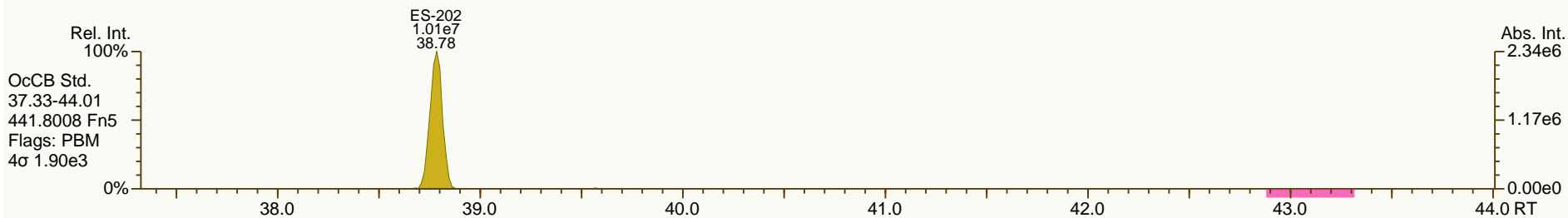
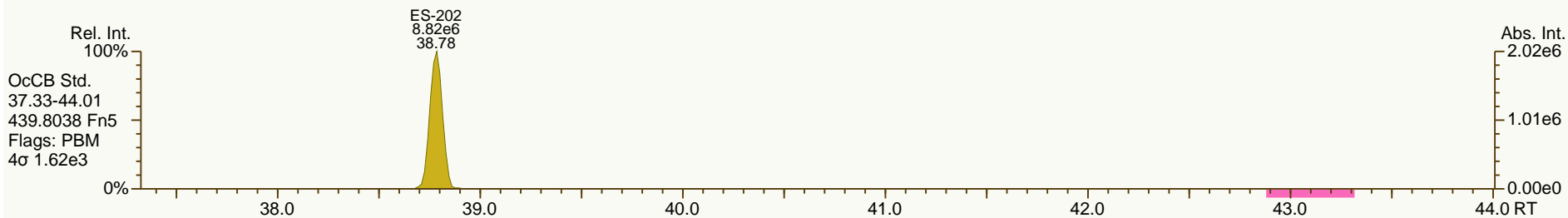
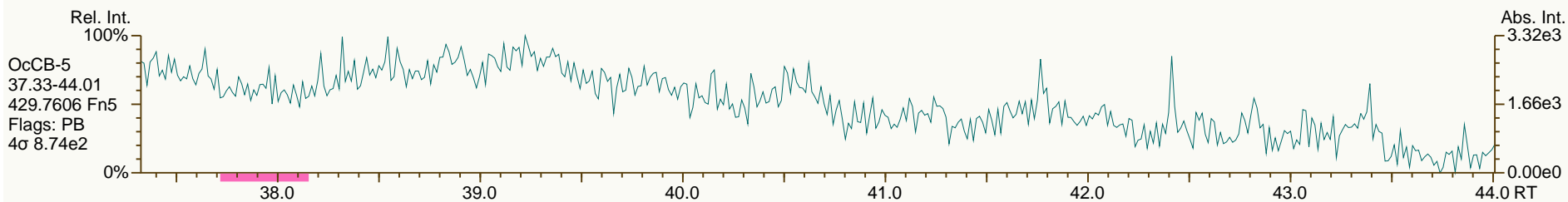
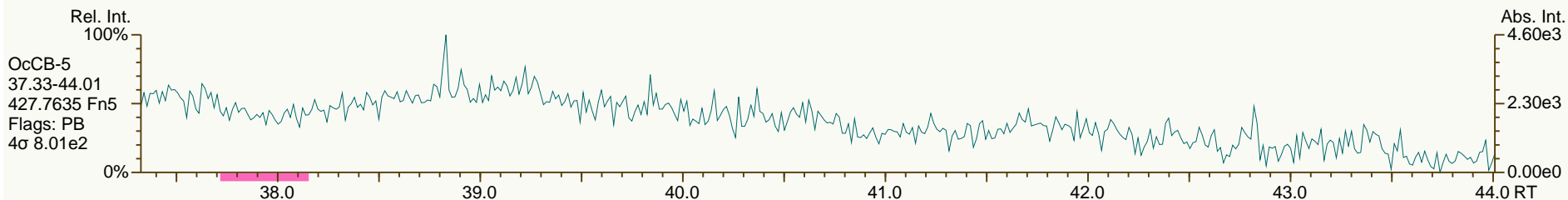
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SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
User: JLJ Datafile: 131002V12



SGS-AP ID: MB1_11356_PCB_SDS
Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

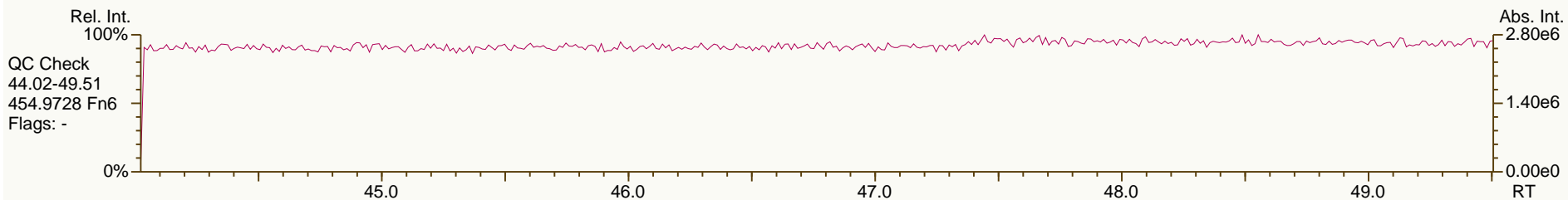
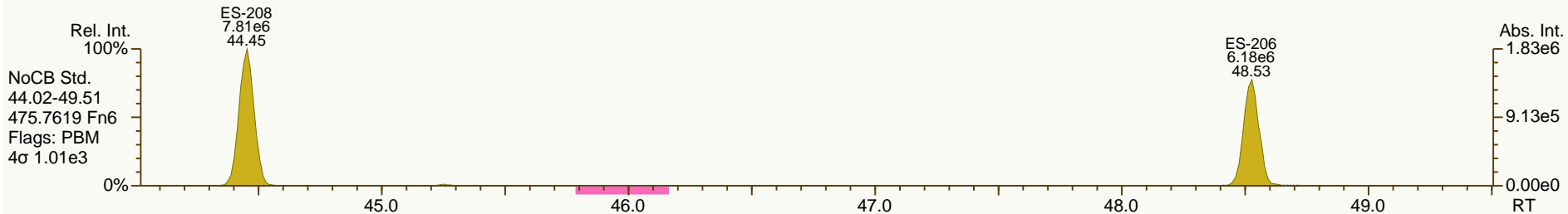
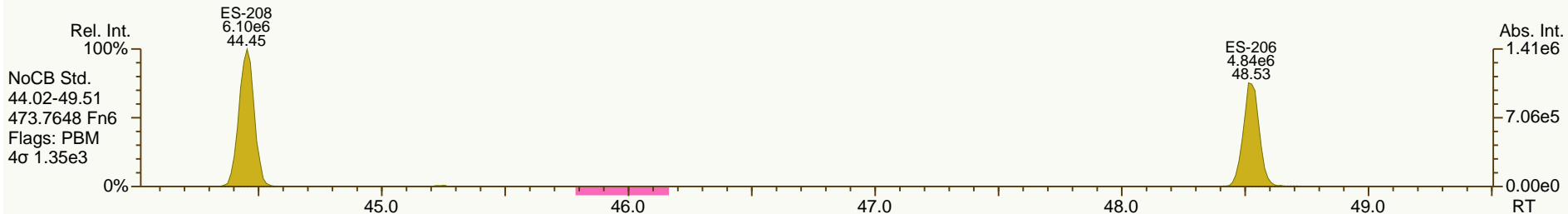
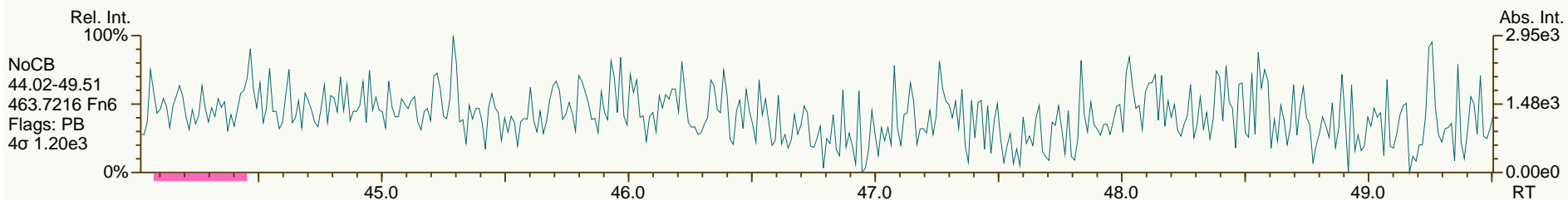
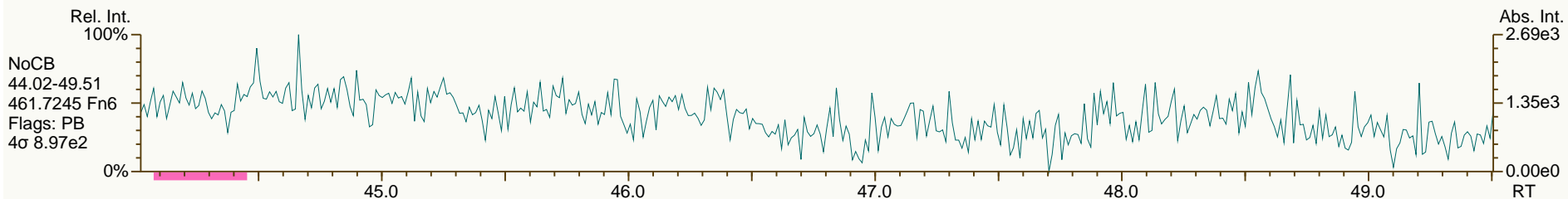
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

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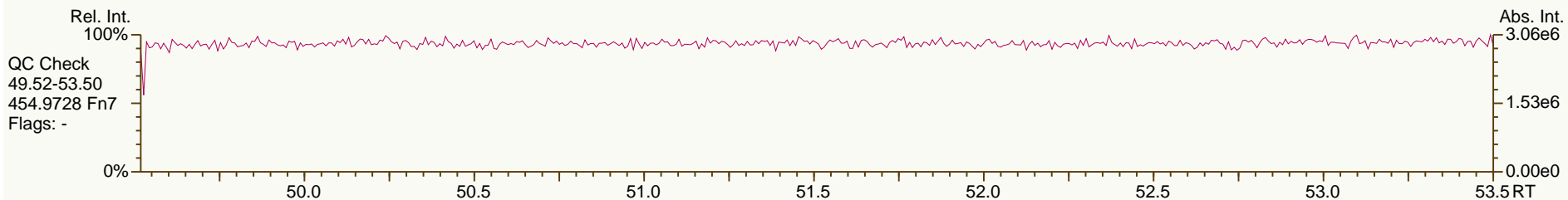
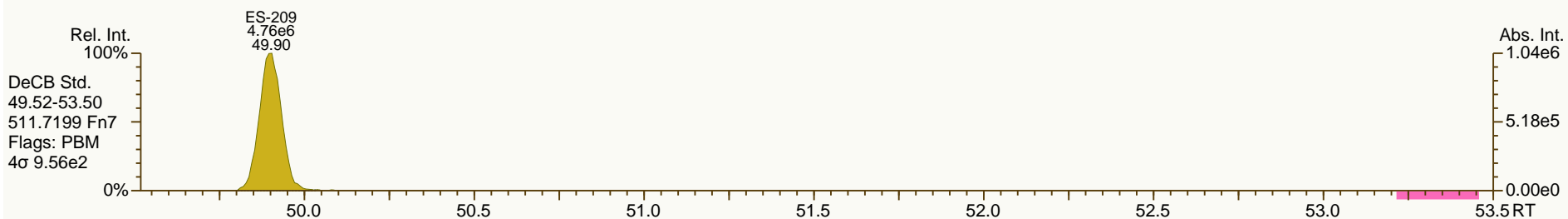
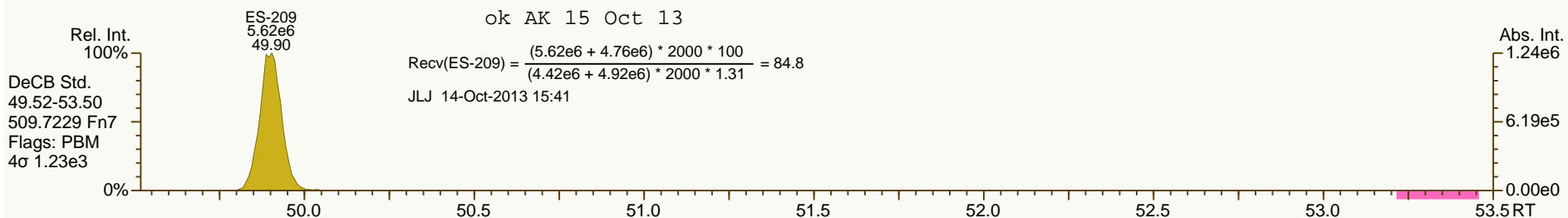
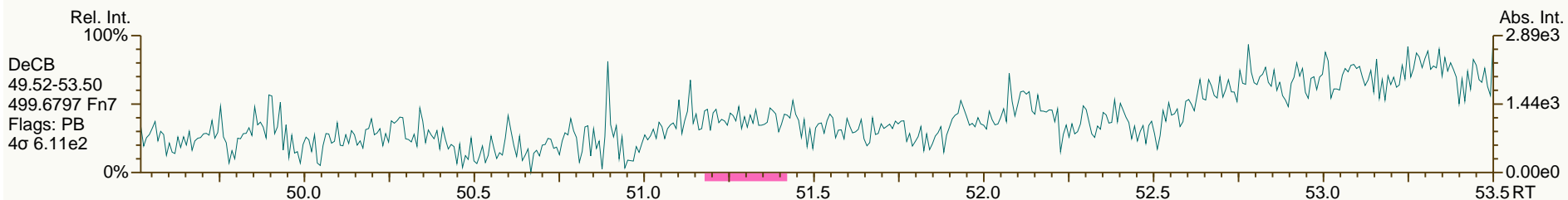
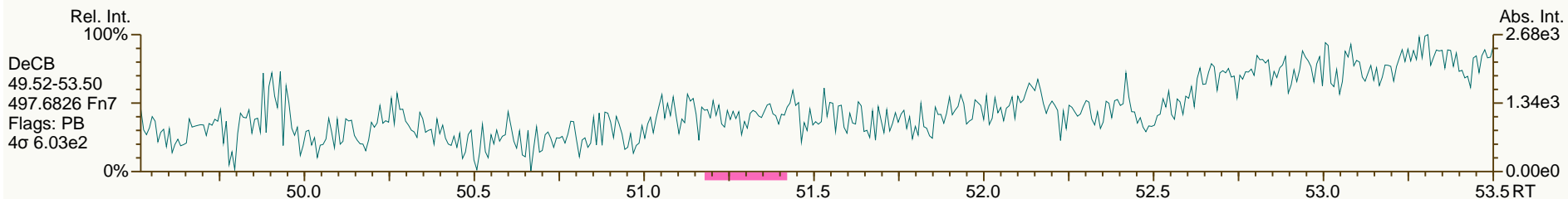
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SGS-AP ID: MB1_11356_PCB_SDS
 Instr: AutoSpec-Premier MM6

Sample ID: Method Blank
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 44

Acq: 02-Oct-2013 14:30:05
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Lab ID: A5941_11356_PCB_001

ACQ: 02-Oct-2013 15:25:22 JLJ

Wt/Vol: 10.01 g

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Client ID: JW-302-130919

UTP: 14-Oct-2013 15:42 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 128-706-ZXQ

Datafile: 131002V13

RPT: 14-Oct-2013 15:44 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.83		1.0007	1.0006	-0.2	2.52E+06	0.80	1.37	28.5	5.60E+03	0.675
PCB-81 344'5'-TeCB	31.35	J	1.0005	1.0007	+0.4	6.21E+04	0.78	1.20	0.689	5.60E+03	0.655
PCB-105 233'44'-PeCB	34.83		1.0007	1.0006	-0.2	1.09E+07	0.62	0.97	165	2.30E+03	0.372
PCB-114 2344'5'-PeCB	34.28		1.0007	1.0005	-0.4	6.06E+05	0.63	1.06	8.3	2.30E+03	0.318
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0007	0	2.73E+07	0.61	1.00	387	2.30E+03	0.341
PCB-123 23'44'5'-PeCB	33.55		1.0006	1.0010	+0.8	4.80E+05	0.65	1.08	6.75	2.30E+03	0.329
PCB-126 33'44'5'-PeCB	37.46		1.0006	1.0004	-0.4	1.24E+05	0.66	1.08	1.97	3.63E+03	0.644
PCB-156/157 ...-HxCB	40.01	C	1.0005	1.0002	-0.7	3.43E+06	1.27	1.07	53.6	3.11E+03	0.691
PCB-167 23'44'55'-HxCB	39.04		1.0005	1.0005	0	1.12E+06	1.24	1.11	15.5	3.11E+03	0.451
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	3.11E+03	1.09
PCB-189 233'44'55'-HpCB	44.92		1.0004	1.0004	0	2.13E+05	0.94	1.10	3.12	2.23E+03	0.367
PCB-209 DeCB	49.97		1.0004	1.0004	0	5.27E+05	1.21	1.04	12	1.62E+03	0.413
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.04E+07	3.35	0.95	49.3 %	25%	150%
ES PCB-3	13.38		0.8609	0.8609	0	1.32E+07	3.34	0.85	69.2 %	25%	150%
ES PCB-4	13.62		0.8761	0.8761	0	1.29E+07	1.52	0.67	86.6 %	25%	150%
ES PCB-15	19.20		1.2354	1.2353	-0.1	2.07E+07	1.57	0.94	99 %	25%	150%
ES PCB-19	16.61		1.0686	1.0687	+0.1	1.02E+07	1.03	0.54	84.5 %	25%	150%
ES PCB-37	25.48		1.0819	1.0816	-0.5	1.64E+07	1.14	1.08	90.1 %	25%	150%
ES PCB-54	19.47		0.8267	0.8264	-0.4	1.54E+07	0.77	1.27	71.9 %	25%	150%
ES PCB-77	31.81		1.3503	1.3504	+0.2	1.29E+07	0.81	0.84	91 %	25%	150%
ES PCB-81	31.33		1.3301	1.3301	0	1.50E+07	0.79	0.98	90.6 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.71E+07	1.49	1.69	81.6 %	25%	150%
ES PCB-105	34.81		1.1783	1.1784	+0.2	1.35E+07	1.56	1.08	101 %	25%	150%
ES PCB-114	34.26		1.1599	1.1600	+0.2	1.38E+07	1.60	1.11	100 %	25%	150%
ES PCB-118	33.80		1.1443	1.1444	+0.2	1.40E+07	1.56	1.13	100 %	25%	150%
ES PCB-123	33.52		1.1348	1.1349	+0.2	1.32E+07	1.52	1.10	96.7 %	25%	150%
ES PCB-126	37.44		1.2676	1.2678	+0.4	1.16E+07	1.55	1.17	79.9 %	25%	150%
ES PCB-153	35.40		0.9709	0.9709	0	1.36E+07	1.32	1.19	84.6 %	25%	150%
ES PCB-155	29.36		0.8056	0.8054	-0.4	1.63E+07	1.29	1.80	69.3 %	25%	150%
ES PCB-156/157	40.01		1.0973	1.0973	0	2.40E+07	1.24	1.13	81.2 %	25%	150%
ES PCB-167	39.02		1.0702	1.0703	+0.2	1.30E+07	1.20	1.20	82.9 %	25%	150%
ES PCB-169	42.76		1.1728	1.1728	0	5.48E+06	1.21	1.00	42.1 %	25%	150%
ES PCB-170	42.26		0.9050	0.9050	0	1.11E+07	0.99	1.24	87 %	25%	150%
ES PCB-180	41.18		0.8820	0.8821	+0.2	1.30E+07	1.02	1.51	84.1 %	25%	150%
ES PCB-188	34.26		0.7338	0.7337	-0.2	1.94E+07	1.00	2.06	72.3 %	25%	150%
ES PCB-189	44.90		0.9618	0.9617	-0.3	1.24E+07	1.08	1.78	79.2 %	25%	150%
ES PCB-202	38.82		0.8315	0.8314	-0.2	1.66E+07	0.94	1.66	76.8 %	25%	150%
ES PCB-205	47.09		1.0086	1.0086	0	8.69E+06	0.89	1.22	81.3 %	25%	150%
ES PCB-206	48.58		1.0404	1.0404	0	9.57E+06	0.78	1.23	88.1 %	25%	150%
ES PCB-208	44.50		0.9530	0.9530	0	1.16E+07	0.80	1.60	82.3 %	25%	150%
ES PCB-209	49.95		1.0698	1.0698	0	8.45E+06	1.17	1.31	73.4 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9314	-0.4	2.05E+07	1.11	1.25	99.9 %	30%	135%
SS PCB-111	31.84		1.0780	1.0780	0	1.57E+07	1.54	1.15	103 %	30%	135%
SS PCB-178	36.84		1.0104	1.0105	+0.2	1.32E+07	0.97	0.54	126 %	30%	135%
CS PCB-28	21.94		0.9317	0.9314	-0.4	2.05E+07	1.11	1.34	90.3 %	30%	135%
CS PCB-111	31.84		1.0780	1.0780	0	1.57E+07	1.54	1.27	99.9 %	30%	135%
CS PCB-178	36.84		1.0104	1.0105	+0.2	1.32E+07	0.97	1.11	91.3 %	30%	135%
JS PCB-9	15.54					2.23E+07	1.61				
JS PCB-52	23.56					1.69E+07	0.76				
JS PCB-101	29.54					1.24E+07	1.51				
JS PCB-138	36.46					1.31E+07	1.27				
JS PCB-194	46.69					8.80E+06	0.94				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			381		381		0.396	
			Di-CBs			377		377		0.398	
			Tri-CBs			865		866		0.618	
			Tetra-CBs			1,570		1,580		0.474	
			Penta-CBs			2,360		2,360		0.371	
			Hexa-CBs			1,590		1,600		0.602	
			Hepta-CBs			499		499		0.417	
			Octa-CBs			133		134		0.317	
			Nona-CBs			33.9		33.9		0.512	
PCB-1 2-MoCB	11.20		1.0011	1.0011	0	8.60E+06	2.96	1.19	139	3.92E+03	0.412
PCB-2 3-MoCB	13.22		0.9878	0.9878	0	5.06E+06	2.98	1.19	64.8	3.92E+03	0.397
PCB-3 4-MoCB	13.39		1.0010	1.0010	0	1.45E+07	2.97	1.24	177	3.92E+03	0.38
PCB-4 22'-DiCB	13.63		1.0011	1.0011	0	1.34E+06	1.44	0.88	23.6	3.04E+03	0.416
PCB-10 26'-DiCB	13.81		1.0139	1.0139	0	1.47E+05	SI	1.38	1.66	3.04E+03	0.267
PCB-9 25'-DiCB	15.56		1.0010	1.0010	0	6.45E+05	1.36	0.85	7.29	4.29E+03	0.451
PCB-7 24'-DiCB	15.72		1.0114	1.0112	-0.2	5.77E+05	1.61	0.95	5.85	4.29E+03	0.405
PCB-6 23'-DiCB	15.94		1.0255	1.0254	-0.1	1.84E+06	1.51	0.90	19.7	4.29E+03	0.428
PCB-5 23'-DiCB	16.23		1.0443	1.0442	-0.1	2.99E+05	SI	0.91	3.17	4.29E+03	0.424
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	8.49E+06	1.49	0.94	87.6	4.29E+03	0.412
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.29E+03	0.353
PCB-11 33'-DiCB	18.65		0.9712	0.9712	0	1.23E+07	1.50	0.91	131	4.29E+03	0.425
PCB-13/12 34'/34'-DiCB	18.93	C	0.9862	0.9858	-0.5	2.06E+06	1.51	0.91	21.8	4.29E+03	0.423
PCB-15 44'-DiCB	19.22		1.0007	1.0008	+0.1	7.93E+06	1.54	1.01	75.6	4.29E+03	0.381
PCB-19 22'6-TrCB	16.63		1.0011	1.0011	0	2.41E+05	1.03	0.92	5.1	3.32E+03	0.6
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1058	+0.4	5.07E+06	1.03	1.18	84.3	3.32E+03	0.471
PCB-17 22'4-TrCB	18.76		1.1291	1.1291	0	2.31E+06	1.07	1.02	44	3.32E+03	0.541
PCB-27 23'6-TrCB	18.95		1.1405	1.1406	+0.1	5.25E+05	1.09	1.35	7.62	3.32E+03	0.411
PCB-24 236-TrCB	19.07		1.1483	1.1480	-0.3	7.28E+04	1.05	1.33	1.07	3.32E+03	0.418
PCB-16 22'3-TrCB	19.17		1.1538	1.1538	0	1.61E+06	1.02	0.76	41.7	3.32E+03	0.732

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	2.48E+06	1.02	1.46	33.2	3.32E+03	0.379
PCB-34 23'5'-TrCB	20.79	J EMPC	0.8160	0.8161	+0.1	8.36E+04	0.88	1.35	0.757	6.96E+03	0.638
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	6.96E+03	0.62
PCB-26/29 23'5'/245-TrCB	21.20	C	0.8329	0.8320	-1.1	3.12E+06	1.03	1.37	27.9	6.96E+03	0.629
PCB-25 23'4-TrCB	21.41		0.8406	0.8405	-0.1	1.71E+06	1.08	1.43	14.6	6.96E+03	0.603
PCB-31 24'5-TrCB	21.69		0.8514	0.8514	0	1.84E+07	1.01	1.44	157	6.96E+03	0.598
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	2.39E+07	1.01	1.33	220	6.96E+03	0.647
PCB-21/33 234/23'4'-TrCB	22.17	C	0.8692	0.8702	+1.3	9.44E+06	1.03	1.39	83.2	6.96E+03	0.62
PCB-22 234'-TrCB	22.52		0.8839	0.8839	0	6.78E+06	1.02	1.29	64.2	6.96E+03	0.667
PCB-36 33'5-TrCB	23.91		0.9382	0.9383	+0.1	2.01E+05	1.17	1.37	1.79	6.96E+03	0.626
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	6.96E+03	0.603
PCB-38 345-TrCB	24.75		0.9712	0.9714	+0.3	2.21E+05	0.98	1.28	2.11	6.96E+03	0.672
PCB-35 33'4-TrCB	25.14		0.9866	0.9867	+0.2	8.19E+05	1.06	1.20	8.32	6.96E+03	0.715
PCB-37 344'-TrCB	25.50		1.0008	1.0008	0	7.69E+06	1.03	1.35	69.5	6.96E+03	0.635
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.73E+03	0.294
PCB-50/53 22'46/22'56'-TeCB	21.44	C	0.9113	0.9101	-1.5	9.13E+05	0.77	0.93	13.1	2.44E+03	0.368
PCB-45 22'36-TeCB	22.04		0.9357	0.9355	-0.3	7.88E+05	0.75	0.79	13.3	2.44E+03	0.434
PCB-51 22'46'-TeCB	22.11		0.9389	0.9387	-0.3	2.96E+05	0.72	0.97	4.05	2.44E+03	0.353
PCB-46 22'36'-TeCB	22.32		0.9475	0.9474	-0.1	3.13E+05	0.83	0.78	5.37	2.44E+03	0.442
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	1.44E+07	0.77	0.91	211	2.44E+03	0.378
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.44E+03	0.3
PCB-43 22'35-TeCB	23.80		1.0102	1.0102	0	2.74E+05	0.81	0.83	4.41	2.44E+03	0.415
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0195	+1.2	8.28E+06	0.76	1.09	101	2.44E+03	0.313
PCB-48 22'45-TeCB	24.27		1.0304	1.0304	0	1.86E+06	0.76	0.91	27.2	2.44E+03	0.378
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0385	-1.6	1.16E+07	0.77	0.97	159	2.44E+03	0.353
PCB-59/62/75 ...-TeCB	24.76	C	1.0512	1.0509	-0.4	1.25E+06	0.77	1.22	13.6	2.44E+03	0.281
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	2.71E+06	0.77	0.87	41.7	2.44E+03	0.396
PCB-41 22'34-TeCB	25.25		1.0721	1.0719	-0.3	6.52E+05	0.73	0.77	11.3	2.44E+03	0.447
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0762	0	4.83E+06	0.78	0.93	69.2	2.44E+03	0.369
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	6.48E+06	0.76	1.32	65.6	2.44E+03	0.26
PCB-72 23'55'-TeCB	26.28		0.8387	0.8387	0	2.23E+05	0.72	1.10	2.69	5.60E+03	0.713
PCB-68 23'45'-TeCB	26.53		0.8468	0.8469	+0.2	1.63E+05	0.77	1.33	1.63	5.60E+03	0.593
PCB-57 233'5-TeCB	26.91	J EMPC	0.8585	0.8588	+0.5	6.94E+04	1.01	1.19	0.775	5.60E+03	0.66
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	5.60E+03	0.64
PCB-67 23'45-TeCB	27.26		0.8699	0.8701	+0.3	7.38E+05	0.75	1.29	7.6	5.60E+03	0.608
PCB-63 234'5-TeCB	27.49		0.8771	0.8773	+0.3	7.48E+05	0.78	1.34	7.45	5.60E+03	0.589
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8868	+0.7	3.67E+07	0.76	1.23	398	5.60E+03	0.641
PCB-66 23'44'-TeCB	28.06		0.8953	0.8954	+0.2	2.06E+07	0.77	1.16	238	5.60E+03	0.681
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	5.60E+03	0.674
PCB-56 233'4'-TeCB	28.63		0.9138	0.9139	+0.2	8.54E+06	0.77	1.15	98.7	5.60E+03	0.683
PCB-60 2344'-TeCB	28.82		0.9199	0.9200	+0.2	4.19E+06	0.79	1.18	47.4	5.60E+03	0.668
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	5.60E+03	0.572
PCB-79 33'45'-TeCB	30.49		0.9730	0.9733	+0.5	3.73E+05	0.74	1.35	3.69	5.60E+03	0.585
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	5.60E+03	0.728
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.27E+03	0.219
PCB-96 22'366'-PeCB	24.74		1.0136	1.0133	-0.4	1.36E+05	0.68	0.97	1.64	2.27E+03	0.252
PCB-103 22'45'6-PeCB	26.44		0.8954	0.8953	-0.2	1.13E+05	0.60	0.81	2.11	2.30E+03	0.439
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.30E+03	0.513

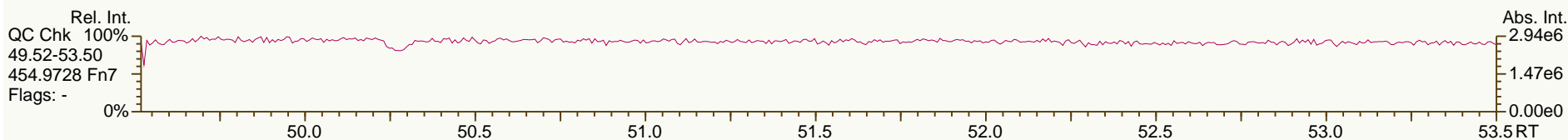
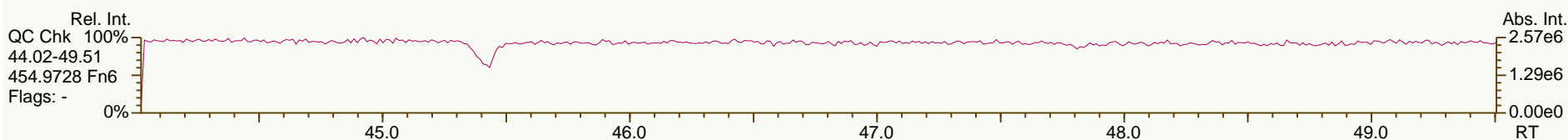
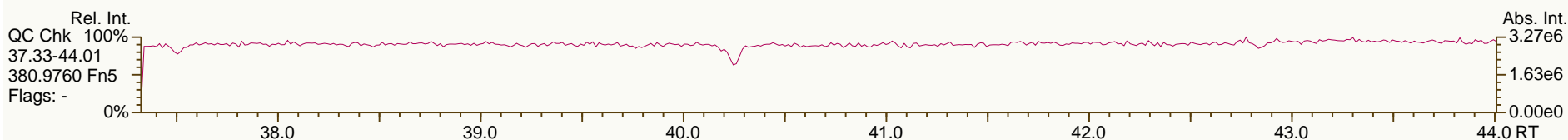
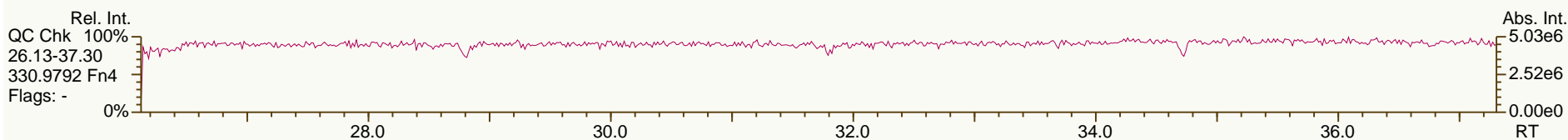
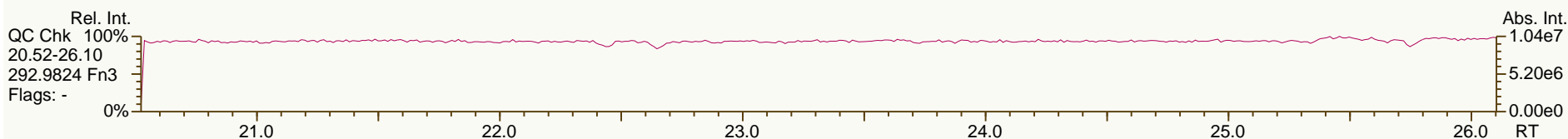
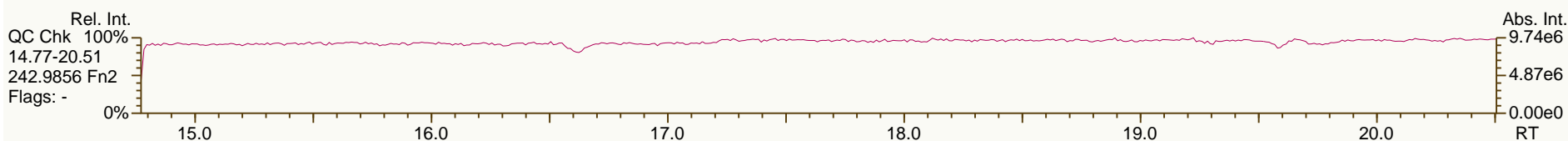
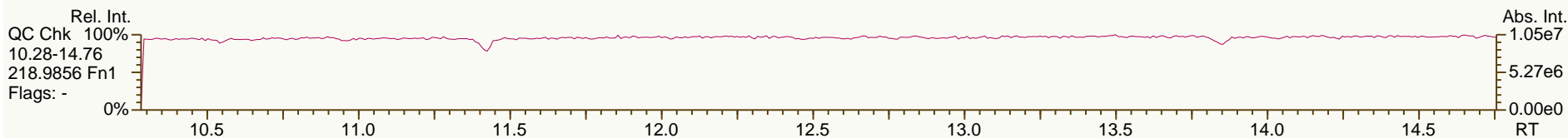
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.01		0.9145	0.9145	0	1.06E+07	0.62	0.74	216	2.30E+03	0.477
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.30E+03	0.47
PCB-102 22'456'-PeCB	27.33		0.9256	0.9254	-0.3	3.89E+05	0.58	0.86	6.88	2.30E+03	0.414
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.30E+03	0.521
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.30E+03	0.516
PCB-91 22'34'6-PeCB	27.77		0.9401	0.9401	0	1.98E+06	0.62	0.87	34.6	2.30E+03	0.409
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	3.10E+06	0.63	0.64	73.1	2.30E+03	0.551
PCB-89 22'346'-PeCB	28.37	EMPC	0.9606	0.9605	-0.2	1.29E+05	0.71	0.70	2.82	2.30E+03	0.509
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.30E+03	0.331
PCB-92 22'355'-PeCB	29.05		0.9835	0.9834	-0.2	3.20E+06	0.61	0.73	66.2	2.30E+03	0.484
PCB-113/90/101 ...-PeCB	29.56	C	0.9999	1.0007	+1.4	2.03E+07	0.62	0.87	353	2.30E+03	0.406
PCB-83 22'33'5-PeCB	29.96		1.0145	1.0142	-0.5	7.52E+05	0.61	0.65	17.6	2.30E+03	0.547
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0179	0	1.03E+07	0.61	0.78	199	2.30E+03	0.453
PCB-112 233'56-PeCB	30.19	J	1.0212	1.0221	+1.6	4.81E+04	0.57	1.00	0.73	2.30E+03	0.355
PCB-108/119/86/97/125...-PeCB	30.53	C	1.0329	1.0338	+1.6	1.36E+07	0.60	0.87	237	2.30E+03	0.409
PCB-117 234'56-PeCB	31.04		1.0510	1.0510	0	6.50E+05	0.59	1.00	9.81	2.30E+03	0.353
PCB-116/85 23456/22'344'-PeCB	31.12	C	1.0539	1.0536	-0.6	3.52E+06	0.62	0.81	65.5	2.30E+03	0.435
PCB-110 233'4'6-PeCB	31.25		1.0580	1.0580	0	2.77E+07	0.62	1.01	413	2.30E+03	0.35
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.30E+03	0.366
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0673	-0.2	1.78E+06	0.62	0.63	43	2.30E+03	0.565
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.30E+03	0.33
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.30E+03	0.332
PCB-107/124 ...-PeCB	33.23	C	0.9913	0.9914	+0.2	9.76E+05	0.59	0.95	15.5	2.30E+03	0.372
PCB-109 233'46-PeCB	33.44		0.9974	0.9976	+0.4	2.10E+06	0.62	1.10	28.9	2.30E+03	0.322
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.30E+03	0.352
PCB-122 233'4'5'-PeCB	34.11		1.0092	1.0091	-0.2	3.51E+05	0.66	0.88	5.77	2.30E+03	0.382
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.30E+03	0.372
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.69E+03	0.174
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.69E+03	0.192
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.69E+03	0.193
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0210	0	2.84E+06	1.24	0.98	35.4	1.69E+03	0.214
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.69E+03	0.206
PCB-148 22'34'56'-HxCB	31.55	J	1.0742	1.0743	+0.2	4.27E+04	1.36	1.03	0.61	1.69E+03	0.249
PCB-151/135 ...-HxCB	32.06	C	1.0918	1.0917	-0.2	6.08E+06	1.25	1.00	89.5	1.69E+03	0.256
PCB-154 22'44'56'-HxCB	32.27	EMPC	1.0991	1.0991	0	3.48E+05	1.05	1.14	4.48	1.69E+03	0.224
PCB-144 22'345'6-HxCB	32.54		1.1079	1.1080	+0.2	8.73E+05	1.26	1.03	12.4	1.69E+03	0.247
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1182	0	1.68E+07	1.24	1.05	234	1.69E+03	0.243
PCB-134 22'33'56-HxCB	33.01		1.1239	1.1243	+0.8	1.17E+06	1.21	0.77	22.1	1.69E+03	0.33
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.69E+03	0.242
PCB-139/140 ...-HxCB	33.36	C	1.1359	1.1359	0	5.29E+05	1.12	1.05	7.37	1.69E+03	0.242
PCB-131 22'33'46-HxCB	33.53		1.1417	1.1419	+0.4	3.08E+05	1.18	0.91	4.98	1.69E+03	0.282
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.69E+03	0.28
PCB-132 22'33'46'-HxCB	33.91		1.1547	1.1548	+0.2	7.13E+06	1.24	0.93	112	1.69E+03	0.274
PCB-133 22'33'55'-HxCB	34.33		1.1690	1.1691	+0.2	4.29E+05	1.13	0.98	6.46	1.69E+03	0.262
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.69E+03	0.213
PCB-146 22'34'55'-HxCB	34.89		0.9570	0.9570	0	4.13E+06	1.24	1.09	55.7	1.69E+03	0.235
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.69E+03	0.188
PCB-153/168 ...-HxCB	35.42	C	0.9720	0.9715	-1.1	2.58E+07	1.24	1.32	286	1.69E+03	0.193

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.58		0.9759	0.9759	0	3.60E+06	1.24	1.02	51.5	1.69E+03	0.249
PCB-130 22'33'45'-HxCB	35.93		0.9854	0.9854	0	1.70E+06	1.23	0.89	28	1.69E+03	0.286
PCB-137 22'344'5'-HxCB	36.12		0.9908	0.9908	0	1.40E+06	1.23	1.09	18.8	1.69E+03	0.233
PCB-164 233'4'5'6'-HxCB	36.21		0.9932	0.9932	0	2.20E+06	1.29	1.28	25.2	1.69E+03	0.2
PCB-163/138/129 ...-HxCB	36.48	C	1.0011	1.0007	-0.9	3.05E+07	1.23	1.06	420	1.69E+03	0.24
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.69E+03	0.214
PCB-158 233'44'6'-HxCB	36.82		1.0099	1.0099	0	3.54E+06	1.20	1.37	37.8	1.69E+03	0.186
PCB-128/166 ...-HxCB	37.57	C	0.9625	0.9628	+0.7	4.10E+06	1.23	0.86	72.7	3.11E+03	0.581
PCB-159 233'455'-HxCB	38.36	EMPC	0.9838	0.9831	-1.6	1.53E+05	1.44	1.03	2.28	3.11E+03	0.488
PCB-162 233'4'55'-HxCB	38.63		0.9901	0.9901	0	1.12E+05	1.21	1.03	1.67	3.11E+03	0.489
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.73E+03	0.199
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0088	+0.2	1.98E+06	1.02	0.87	23.4	1.73E+03	0.208
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.73E+03	0.214
PCB-176 22'33'466'-HpCB	35.31		1.0308	1.0309	+0.2	5.99E+05	1.01	0.95	6.5	1.73E+03	0.191
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.73E+03	0.206
PCB-178 22'33'55'6'-HpCB	36.86		1.0759	1.0761	+0.4	9.43E+05	1.00	0.63	15.4	1.73E+03	0.287
PCB-175 22'33'45'6'-HpCB	37.41		1.0919	1.0922	+0.7	1.68E+05	1.00	0.86	3.01	2.82E+03	0.542
PCB-187 22'34'55'6'-HpCB	37.64		1.0986	1.0989	+0.7	5.29E+06	1.02	0.97	83.9	2.82E+03	0.479
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.82E+03	0.461
PCB-183 22'344'5'6'-HpCB	38.17		1.1139	1.1141	+0.5	2.09E+06	1.02	1.00	32.1	2.82E+03	0.463
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1164	+0.2	3.75E+05	1.03	0.90	6.41	2.82E+03	0.517
PCB-174 22'33'456'-HpCB	38.36		1.1196	1.1198	+0.5	2.98E+06	1.03	0.86	53.1	2.82E+03	0.538
PCB-177 22'33'45'6'-HpCB	38.73		1.1305	1.1308	+0.7	2.14E+06	1.04	0.82	40.2	2.82E+03	0.568
PCB-181 22'344'56'-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.82E+03	0.487
PCB-171/173 ...-HpCB	39.28	C	1.1461	1.1466	+1.2	1.03E+06	1.03	0.82	19.5	2.82E+03	0.57
PCB-172 22'33'455'-HpCB	40.64		0.9050	0.9051	+0.2	6.01E+05	0.98	0.83	11.1	2.82E+03	0.559
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.82E+03	0.427
PCB-180/193 ...-HpCB	41.20	C	0.9168	0.9176	+2.0	8.43E+06	1.07	1.03	126	2.82E+03	0.453
PCB-191 233'44'5'6'-HpCB	41.50		0.9242	0.9242	0	1.80E+05	1.03	1.14	2.44	2.82E+03	0.408
PCB-170 22'33'44'5'-HpCB	42.28		0.9414	0.9415	+0.3	3.30E+06	1.02	0.96	62	2.82E+03	0.586
PCB-190 233'44'56'-HpCB	42.73		0.9515	0.9516	+0.3	7.76E+05	1.11	1.28	10.8	2.82E+03	0.436
PCB-202 22'33'55'66'-OoCB	38.84		1.0006	1.0006	0	6.50E+05	0.90	0.86	9.05	1.98E+03	0.282
PCB-201 22'33'45'66'-OoCB	39.63		1.0209	1.0209	0	3.43E+05	0.98	0.97	4.26	1.98E+03	0.251
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.98E+03	0.27
PCB-197 22'33'44'66'-OoCB	40.40	EMPC	1.0407	1.0407	0	8.39E+04	1.07	1.00	1	1.98E+03	0.242
PCB-200 22'33'4566'-OoCB	40.49		1.0430	1.0431	+0.2	2.29E+05	0.86	0.88	3.11	1.98E+03	0.275
PCB-198/199 ...-OoCB	42.87	C	1.1037	1.1043	+1.5	1.92E+06	0.94	0.66	34.8	1.98E+03	0.367
PCB-196 22'33'44'56'-OoCB	43.43		1.1186	1.1188	+0.5	8.06E+05	0.82	0.68	14.1	1.98E+03	0.355
PCB-203 22'344'55'6'-OoCB	43.60		1.1230	1.1231	+0.3	1.35E+06	0.88	0.71	22.8	1.98E+03	0.341
PCB-195 22'33'44'56'-OoCB	44.73		0.9498	0.9498	0	4.07E+05	0.92	0.81	11.6	1.55E+03	0.477
PCB-194 22'33'44'55'-OoCB	46.71		0.9918	0.9919	+0.3	1.21E+06	0.88	0.87	32.1	1.55E+03	0.442
PCB-205 233'44'55'6'-OoCB	47.11		1.0004	1.0003	-0.3	7.10E+04	0.85	1.09	1.5	1.55E+03	0.353
PCB-208 22'33'455'66'-NoCB	44.52		1.0005	1.0005	0	3.90E+05	0.78	1.00	6.73	2.17E+03	0.4
PCB-207 22'33'44'566'-NoCB	45.31		1.0184	1.0183	-0.3	1.57E+05	0.88	0.99	2.73	2.17E+03	0.403
PCB-206 22'33'44'55'6'-NoCB	48.60		1.0004	1.0004	0	9.95E+05	0.76	0.85	24.4	2.17E+03	0.624

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Sample ID: JW-302-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

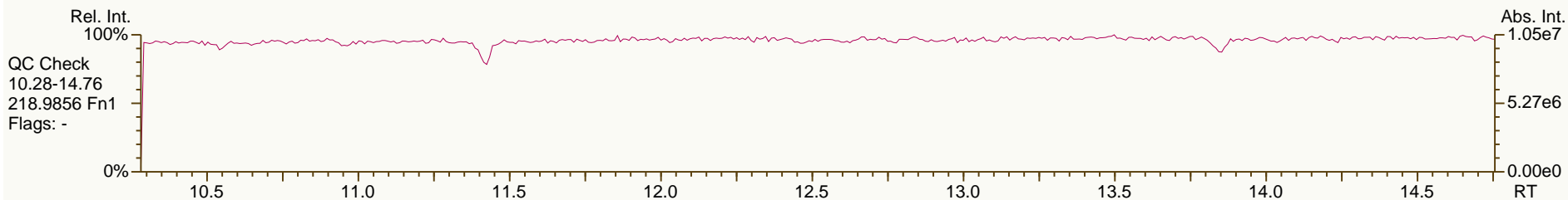
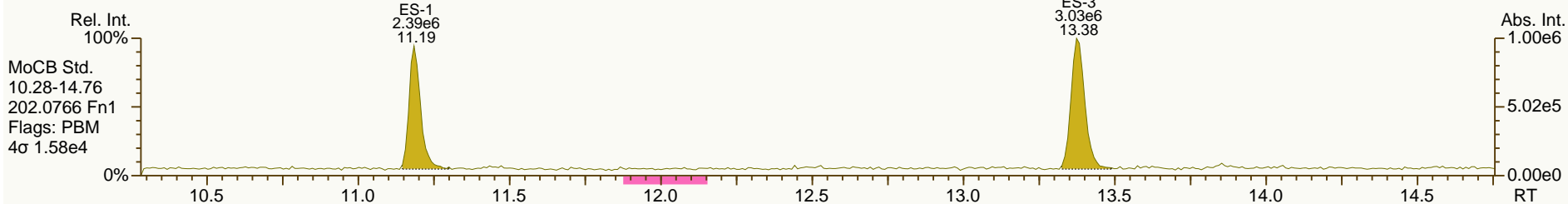
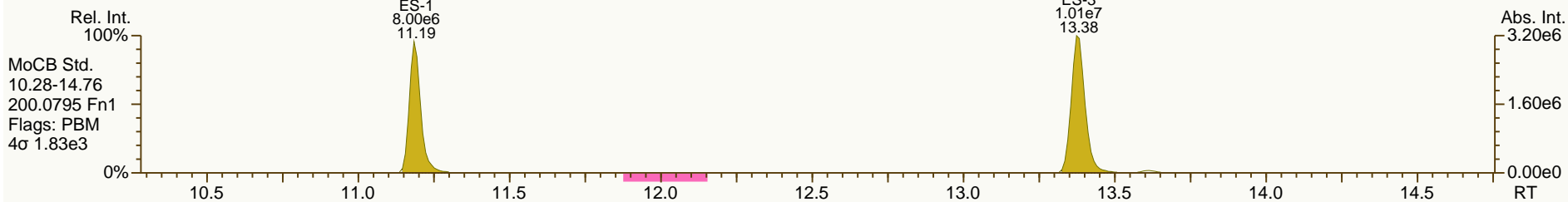
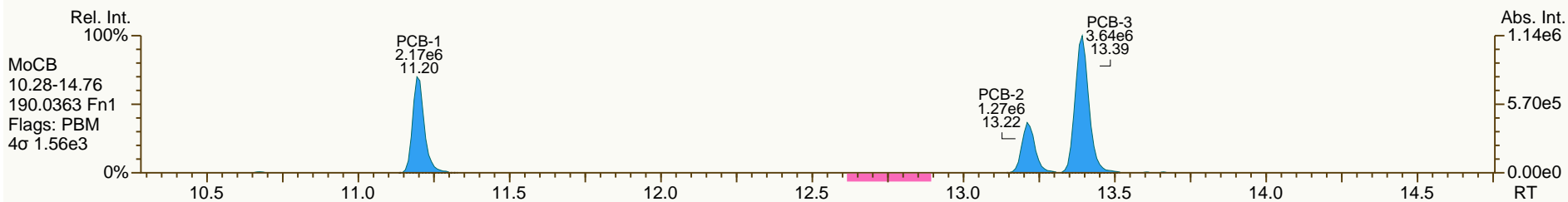
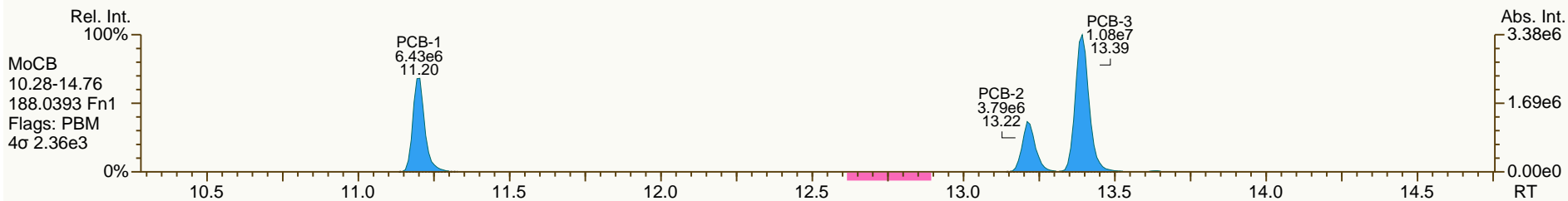
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SGS-AP ID: A5941_11356_PCB_001
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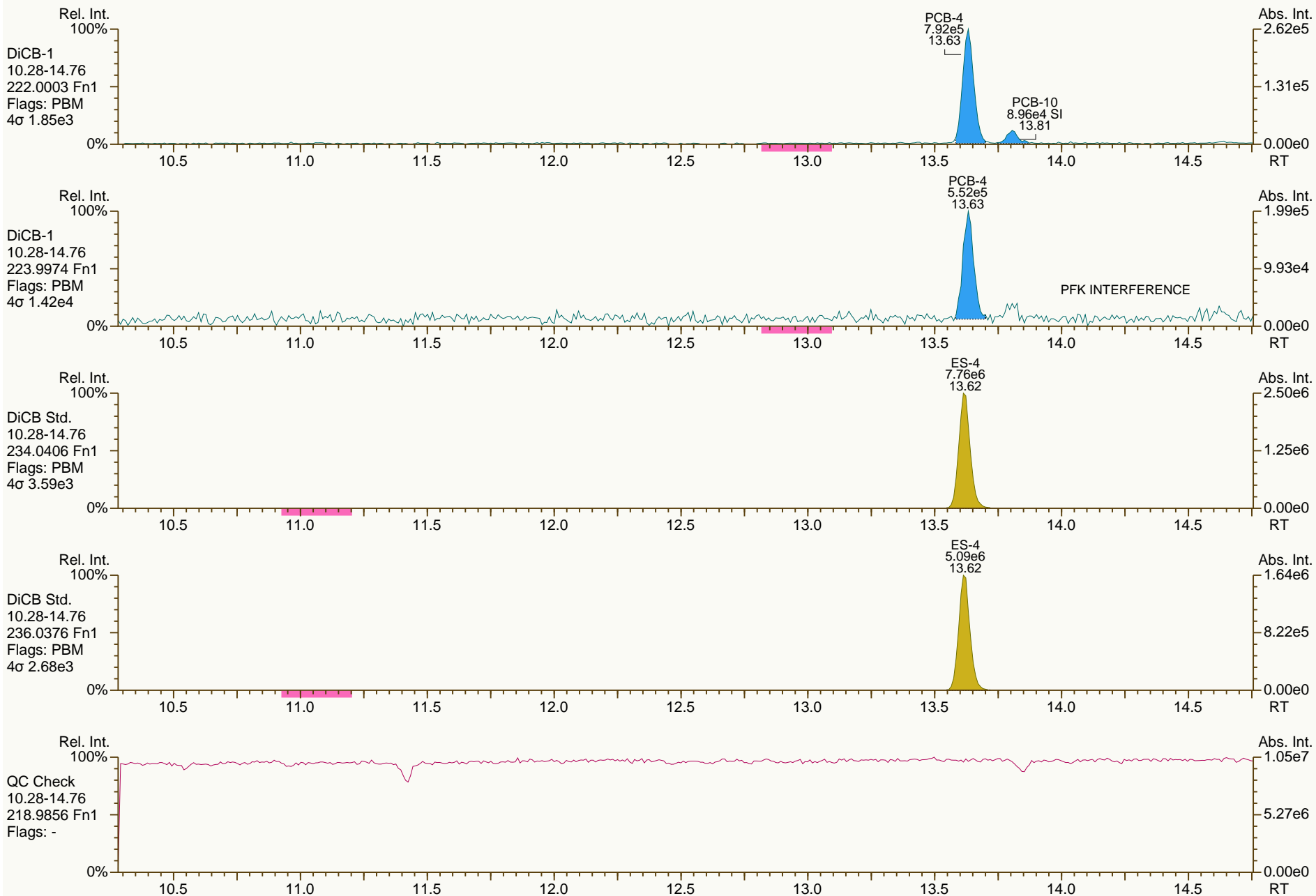
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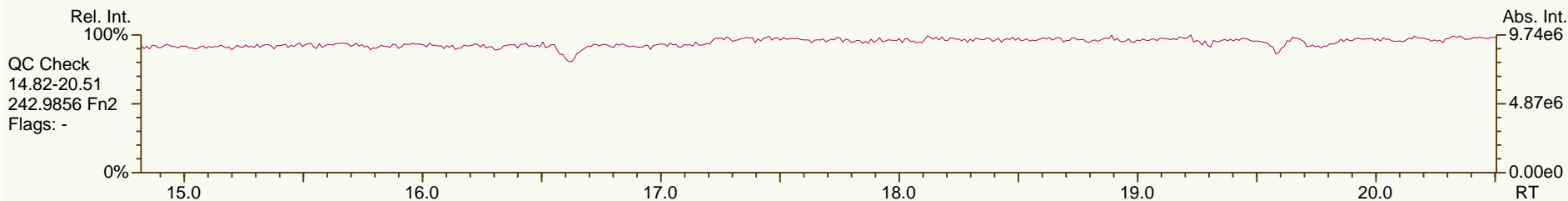
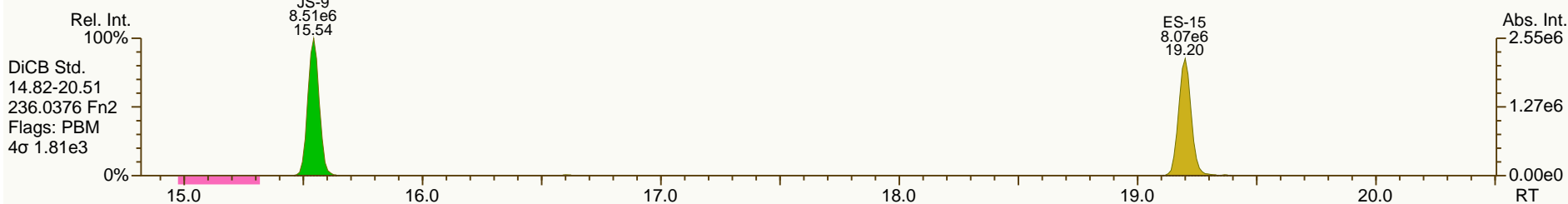
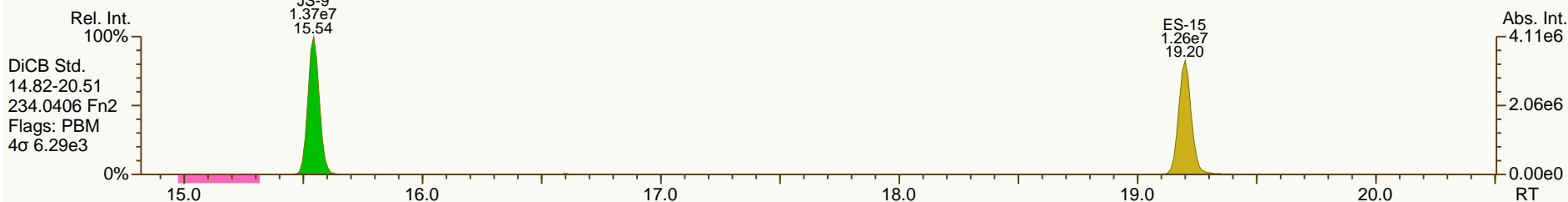
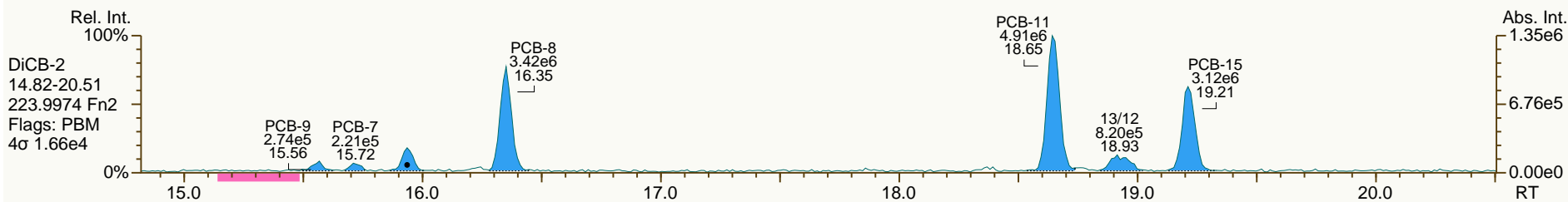
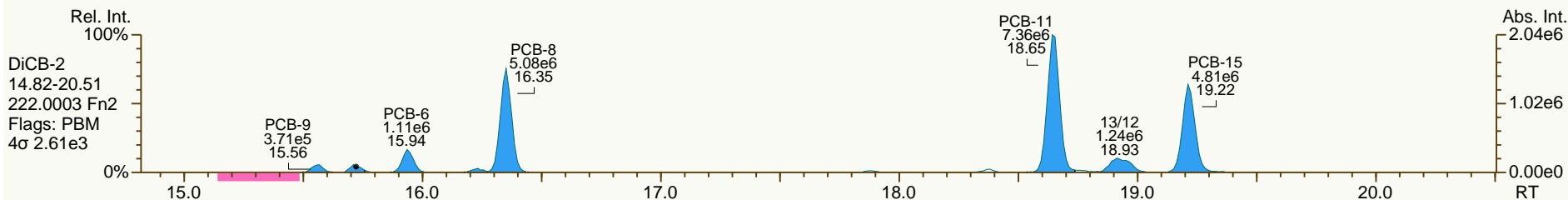
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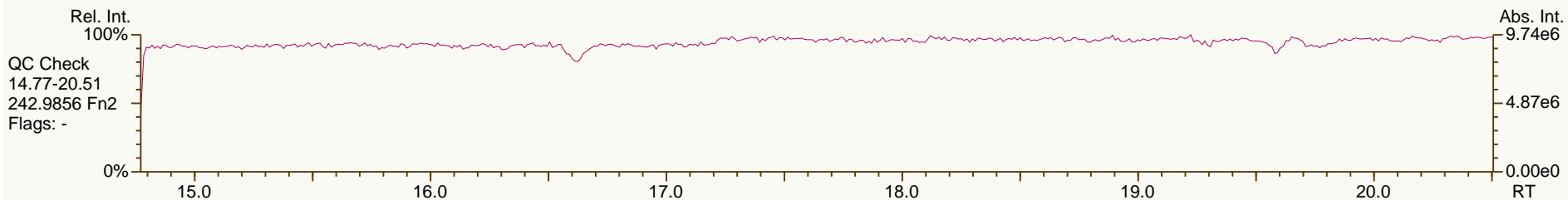
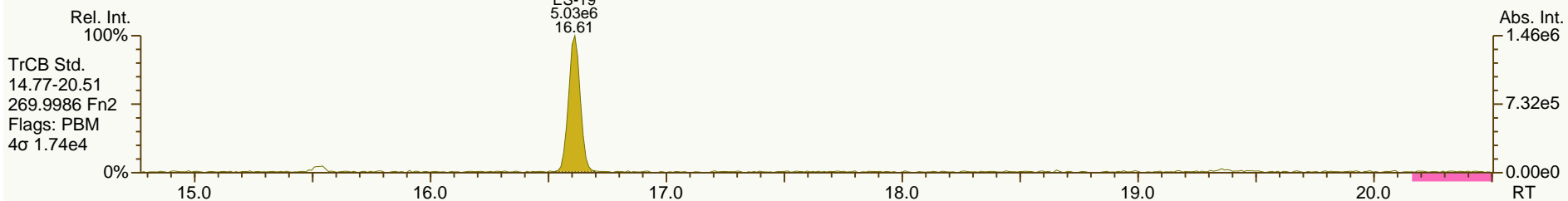
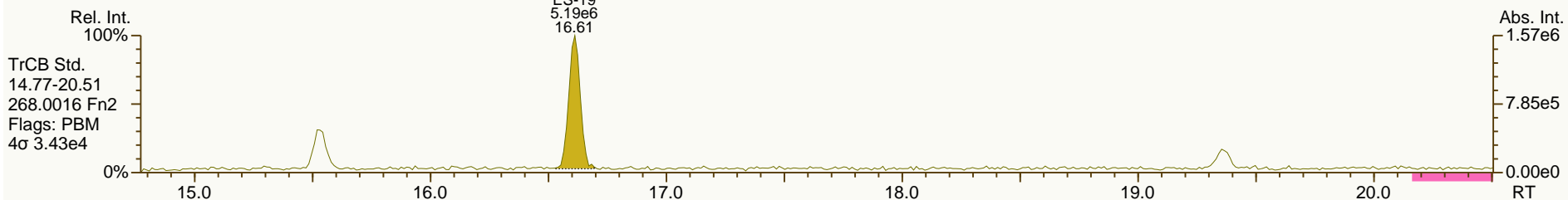
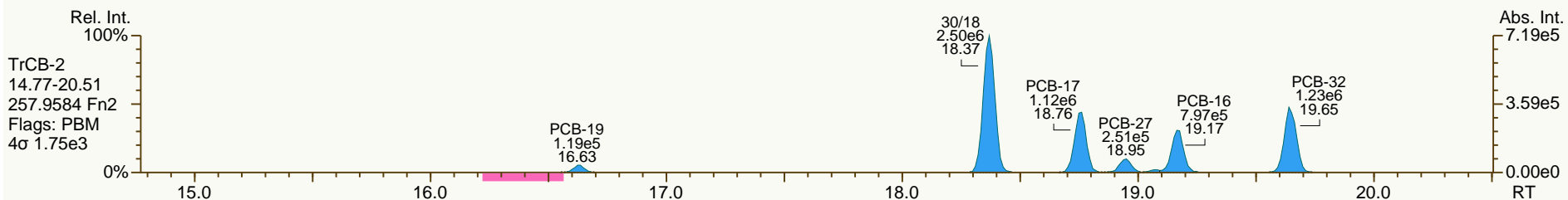
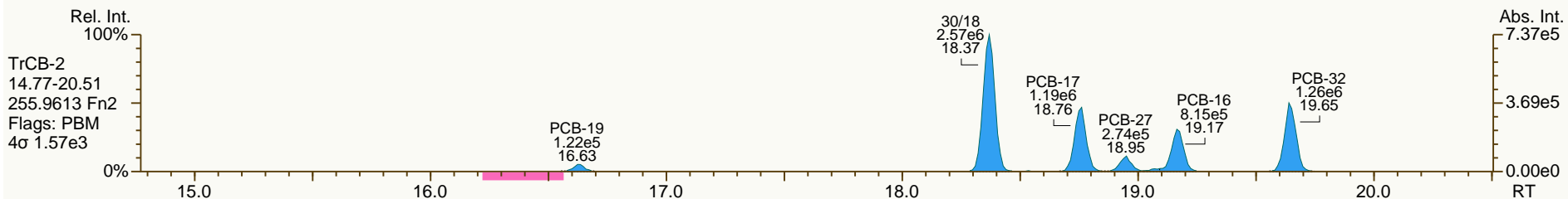
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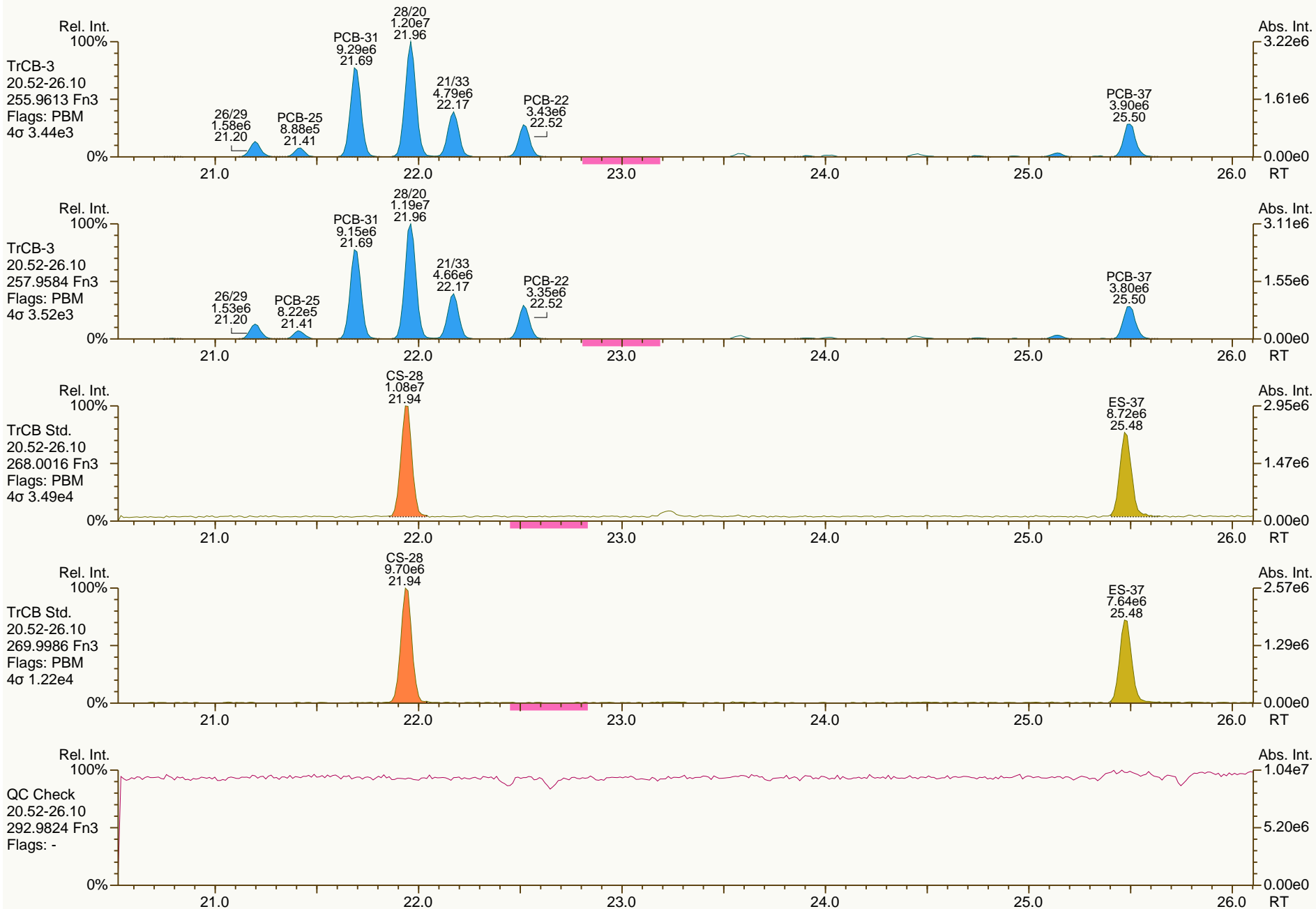
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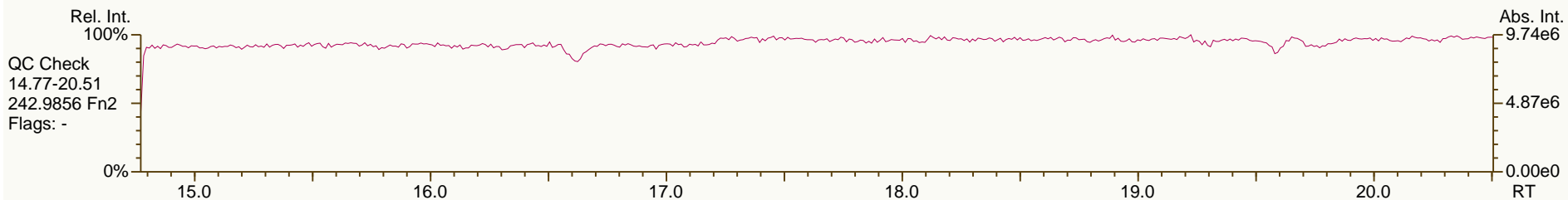
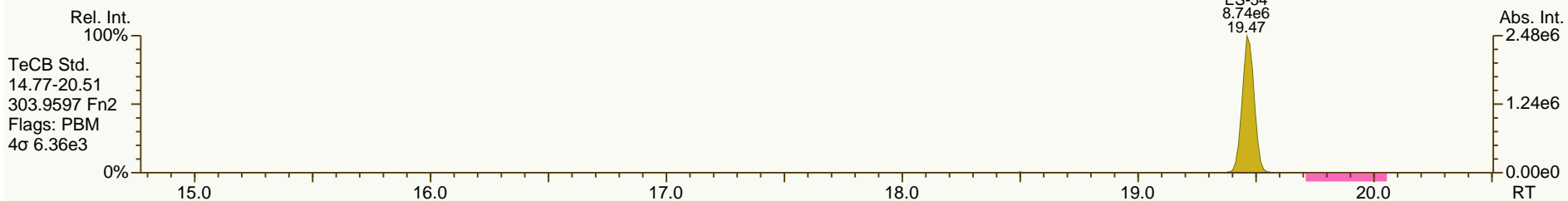
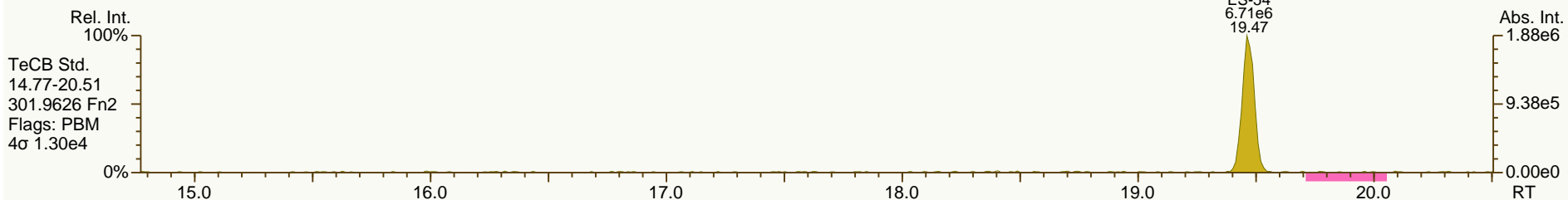
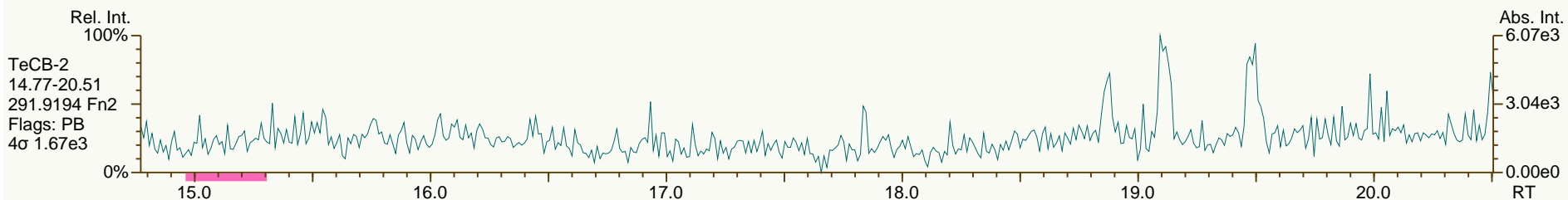
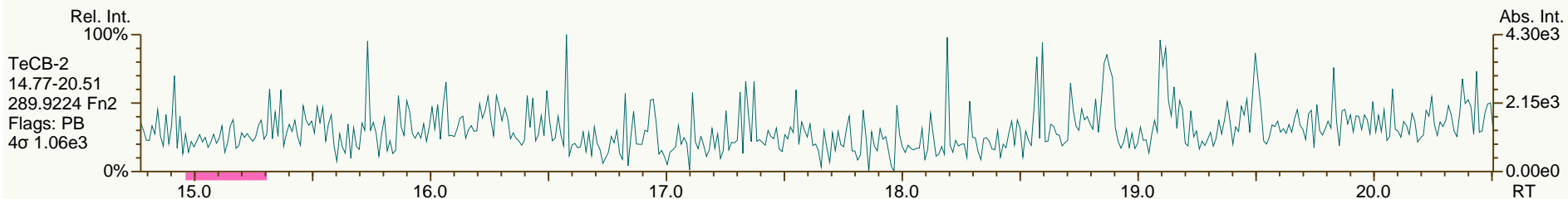
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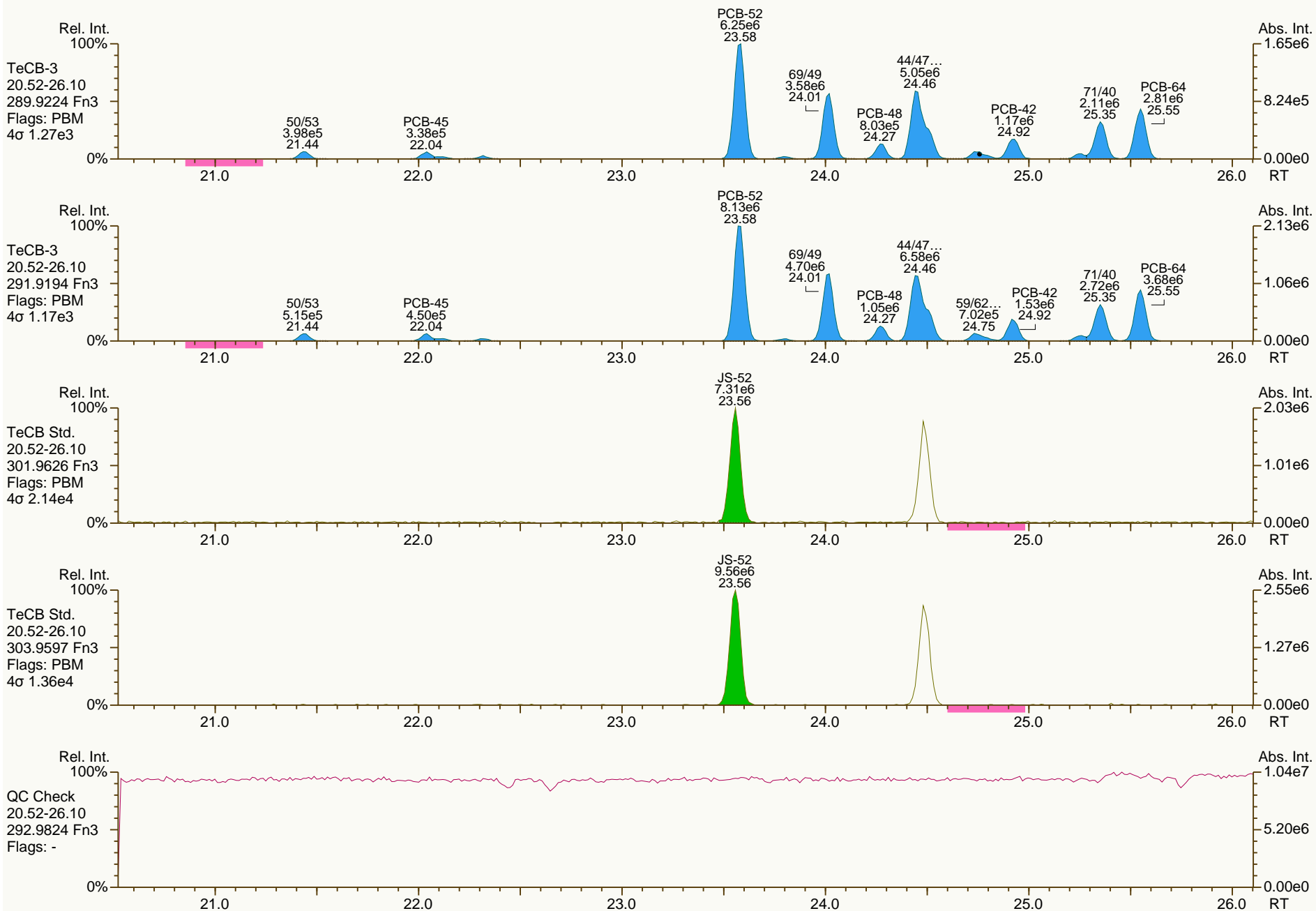
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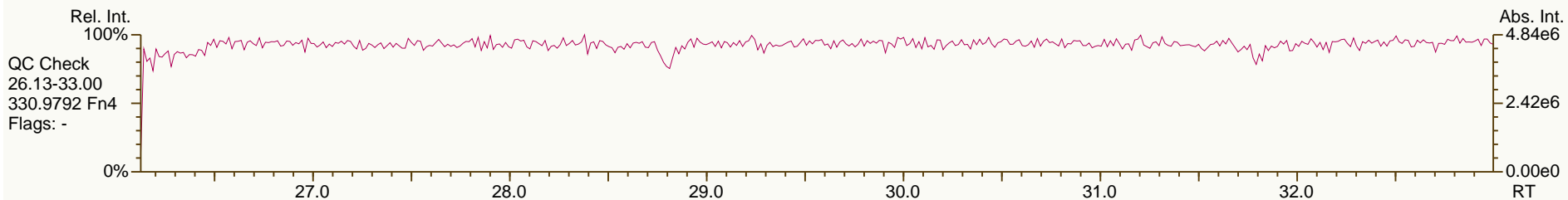
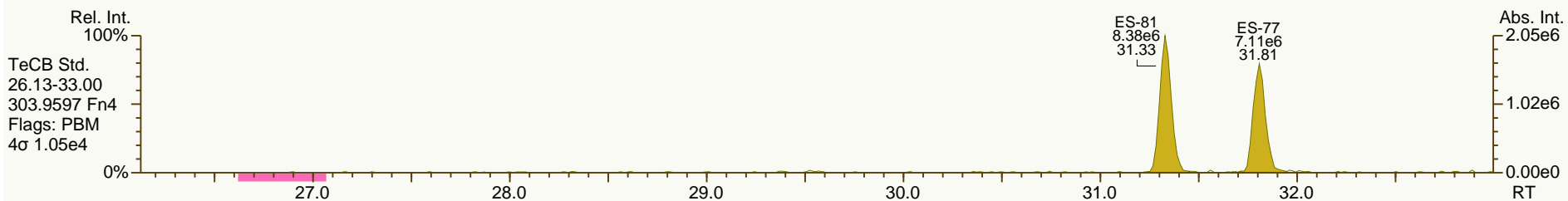
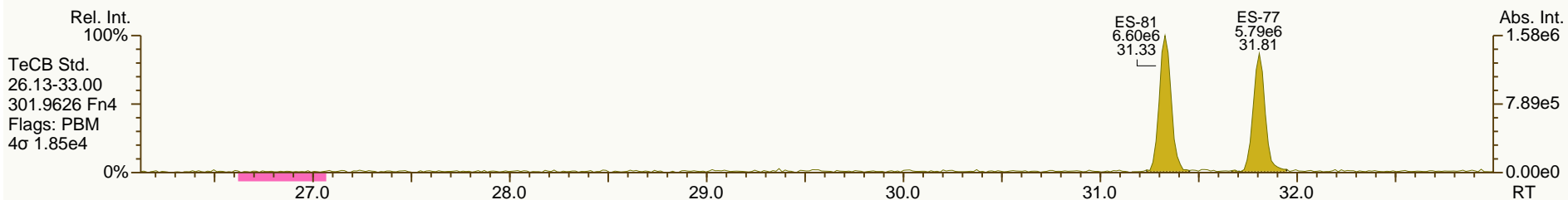
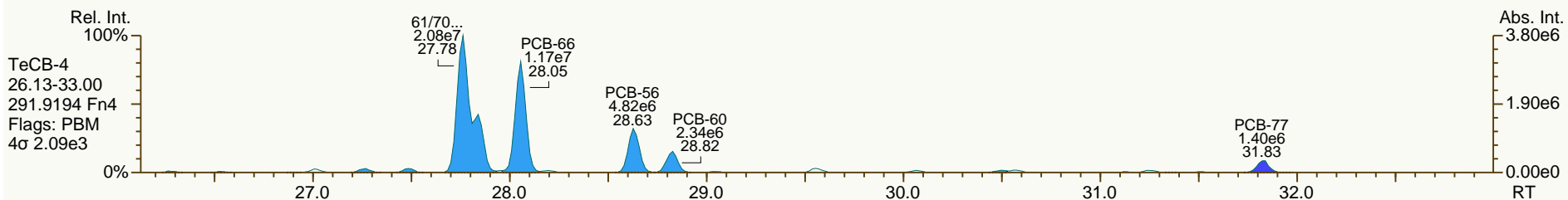
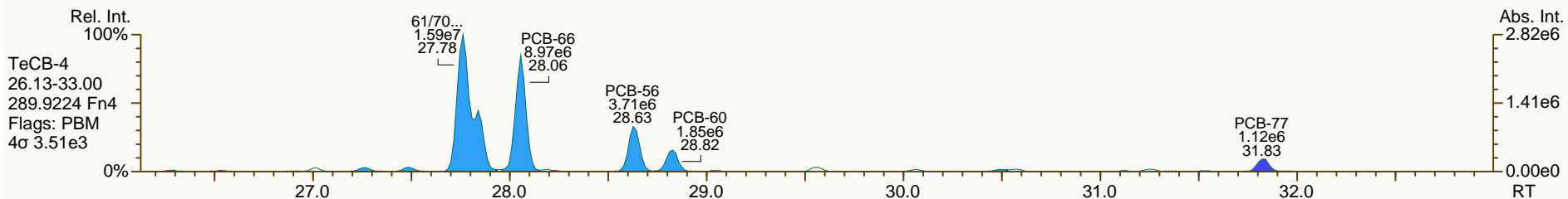
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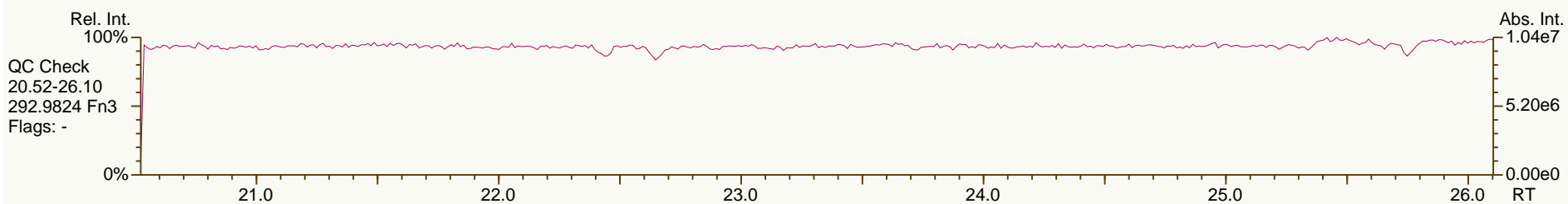
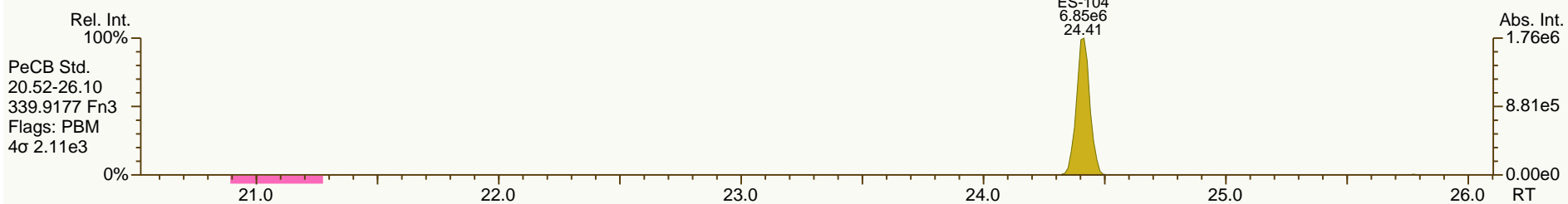
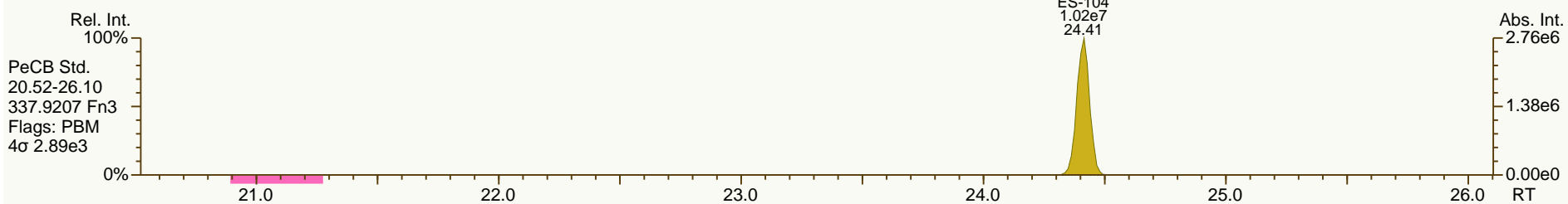
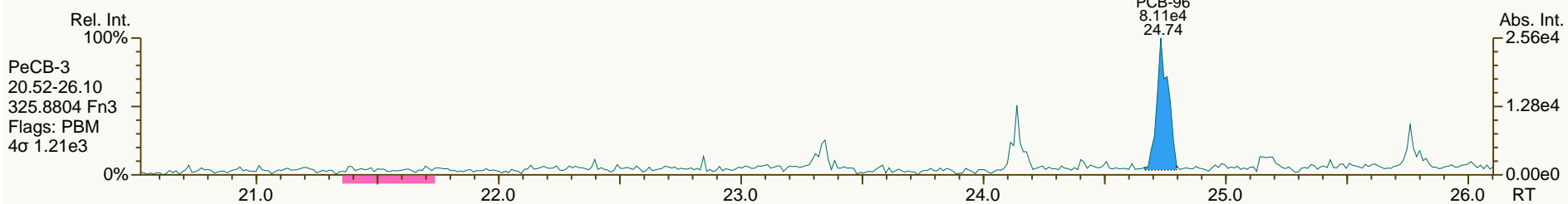
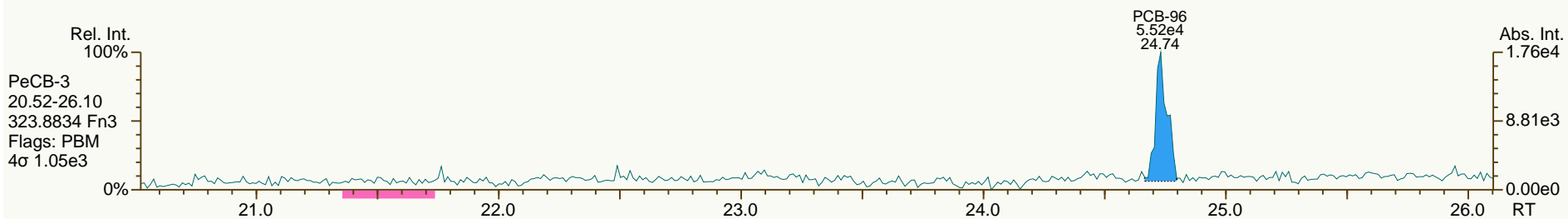
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SGS-AP ID: A5941_11356_PCB_001
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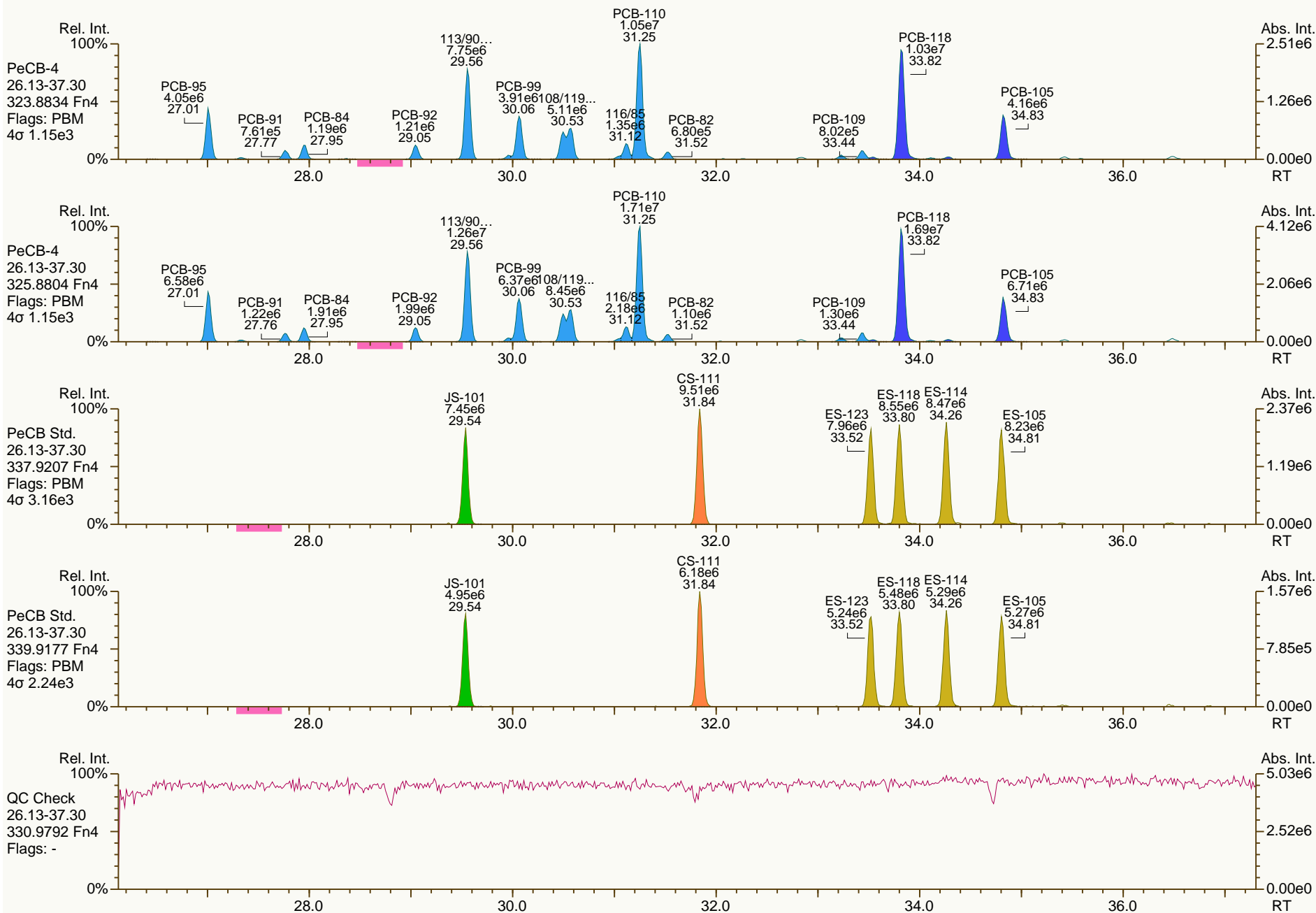
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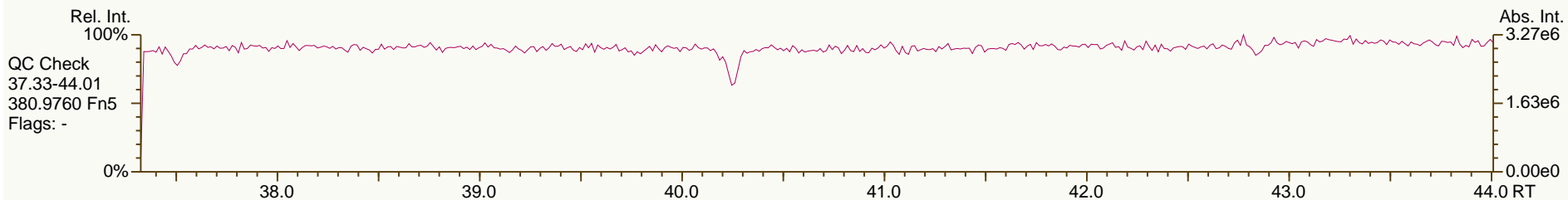
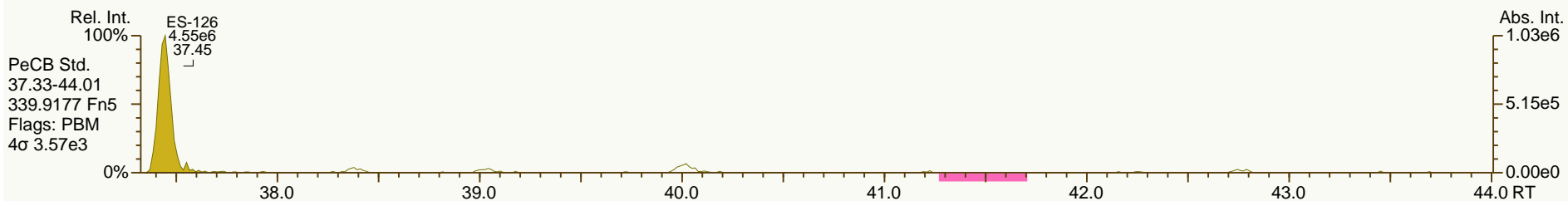
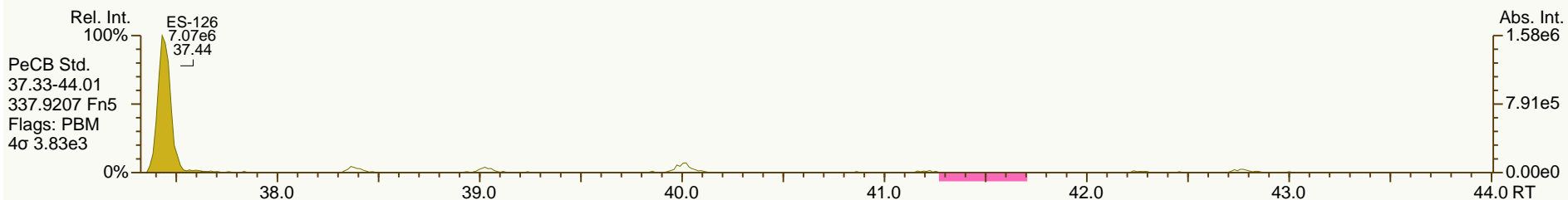
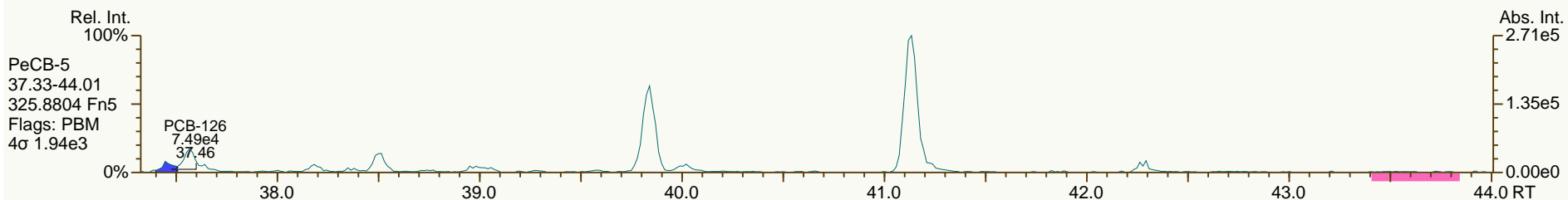
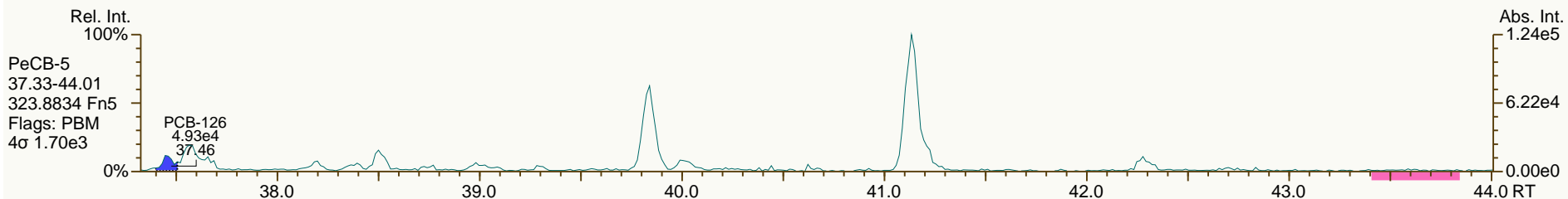
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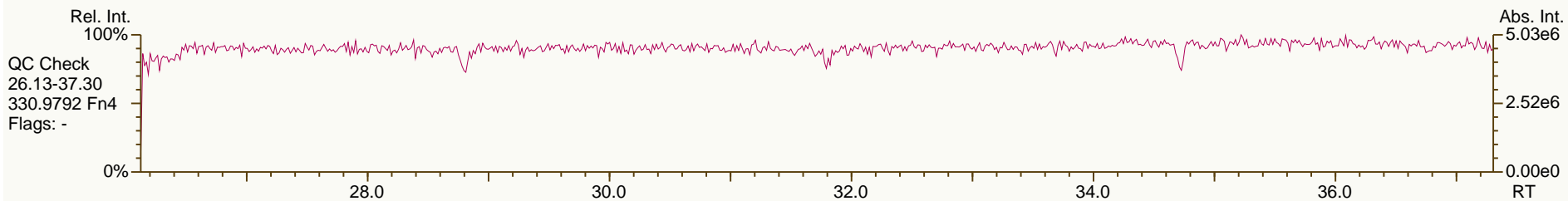
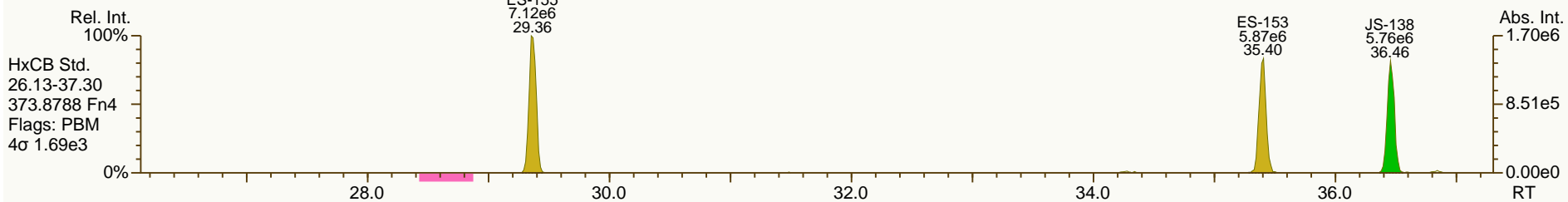
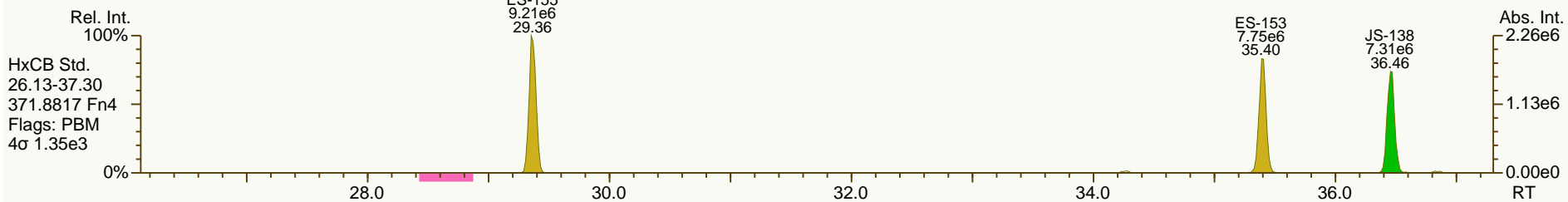
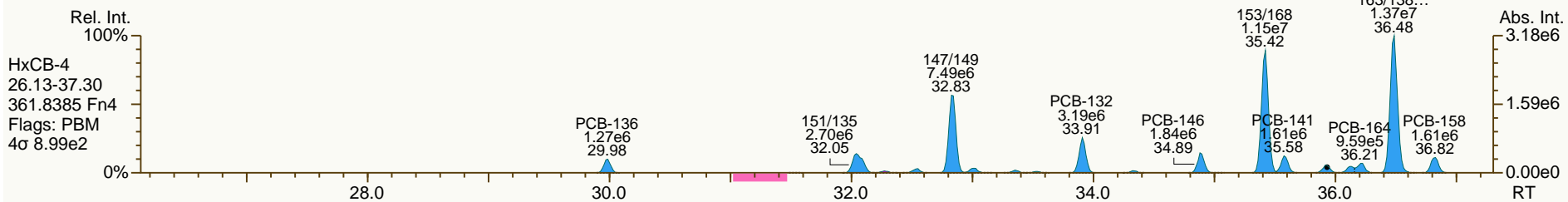
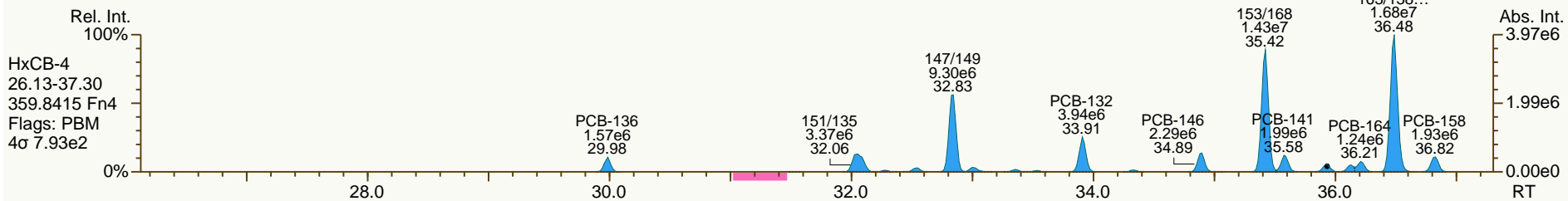
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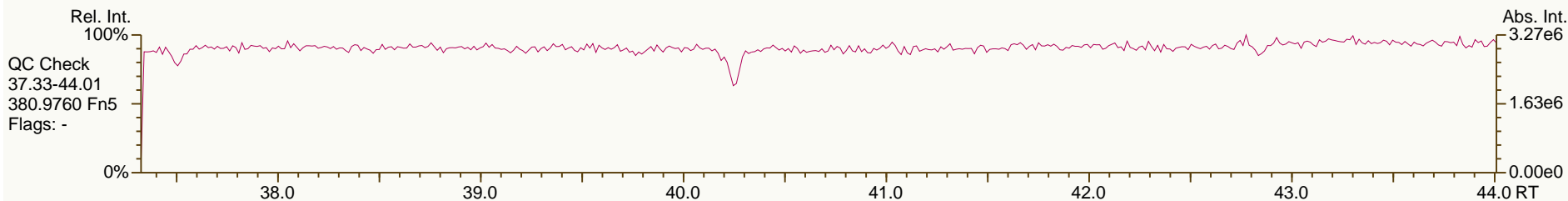
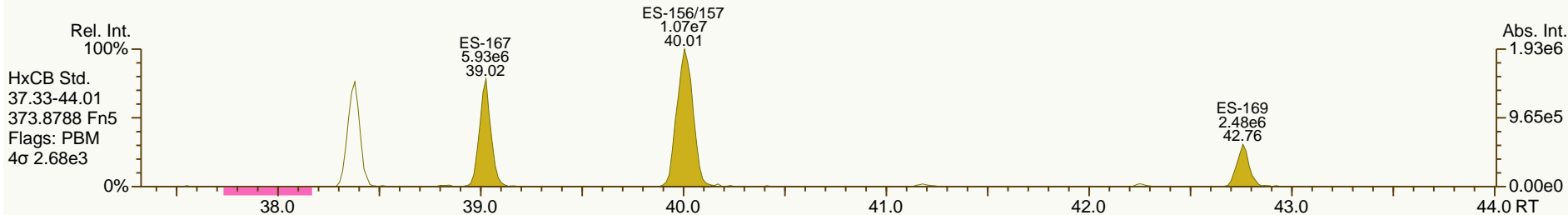
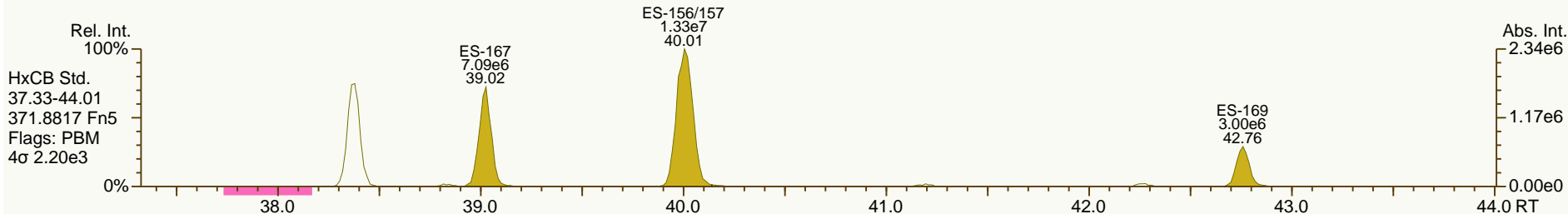
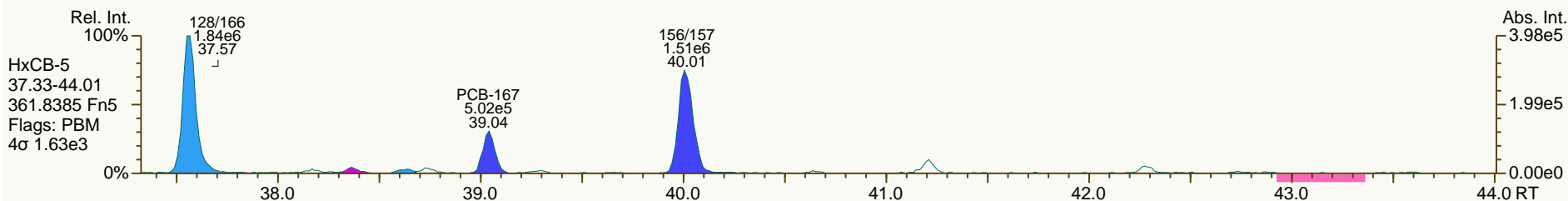
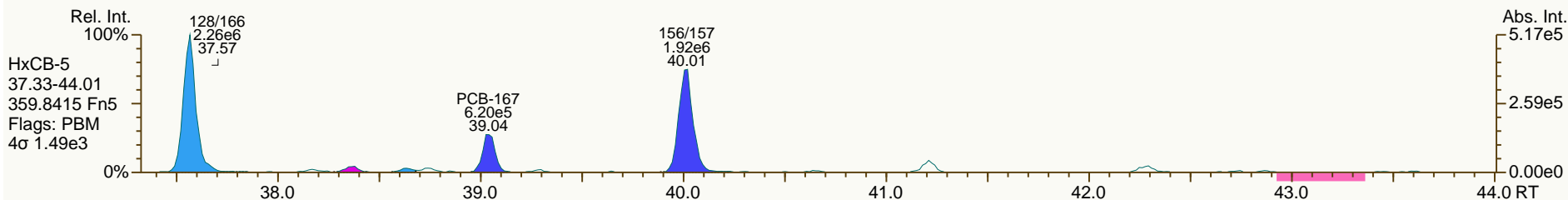
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

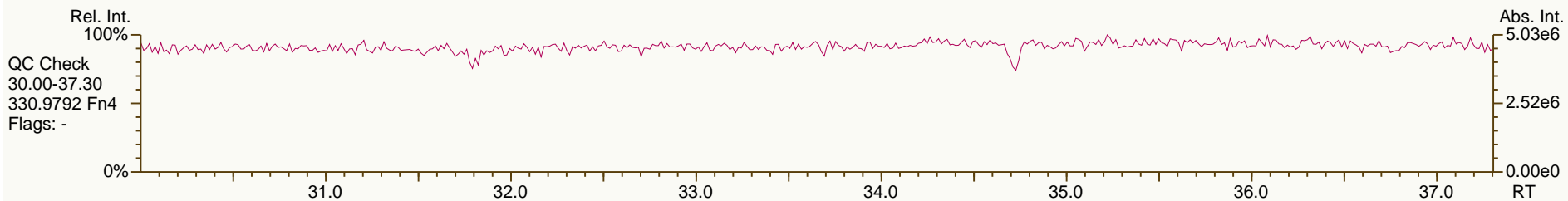
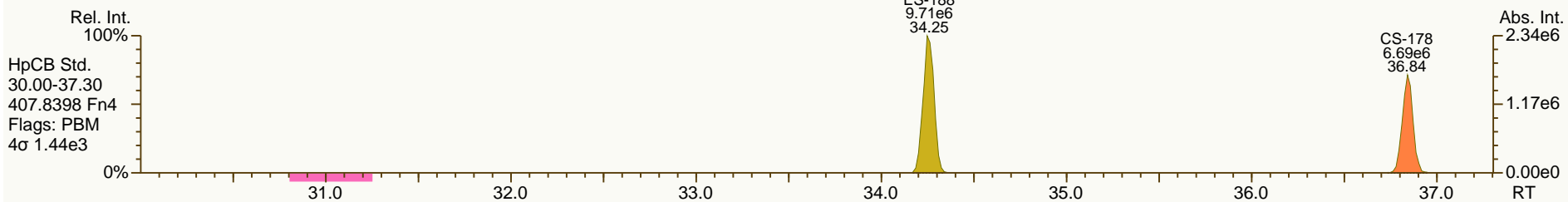
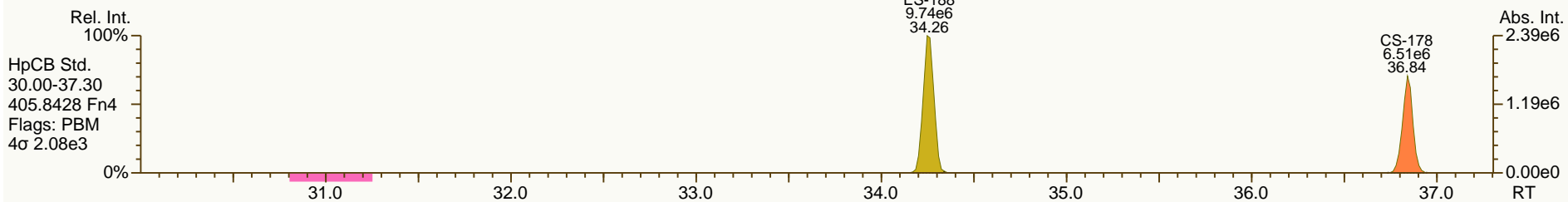
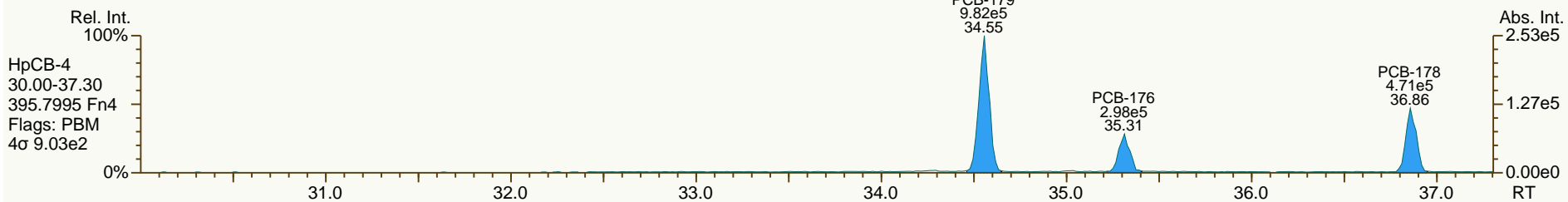
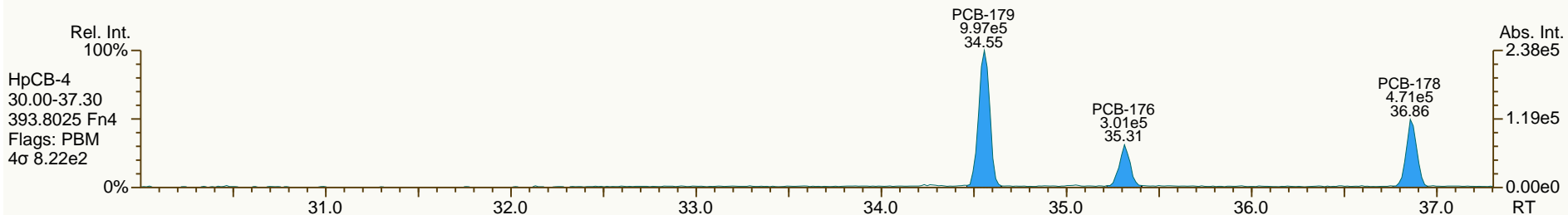
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

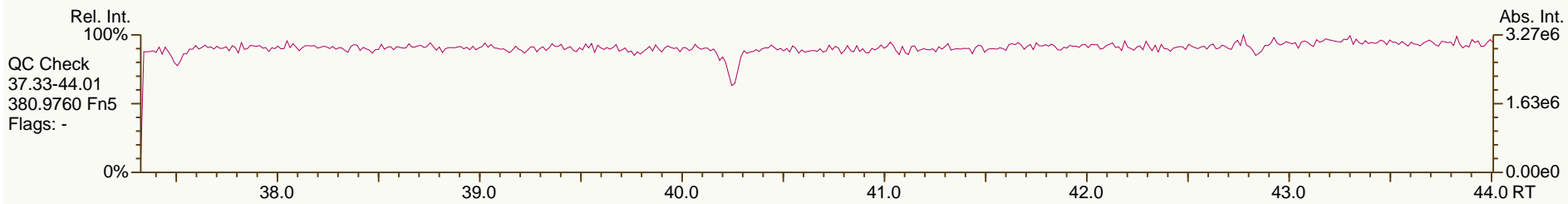
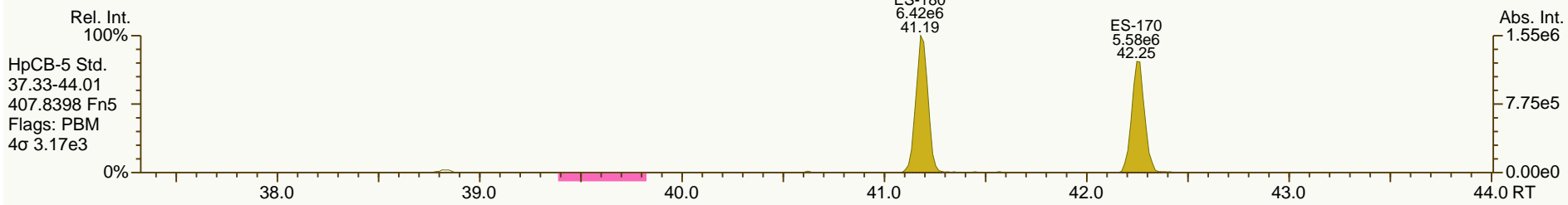
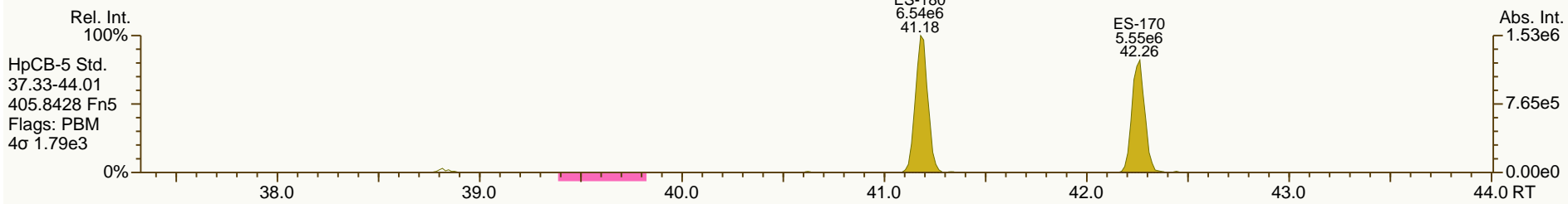
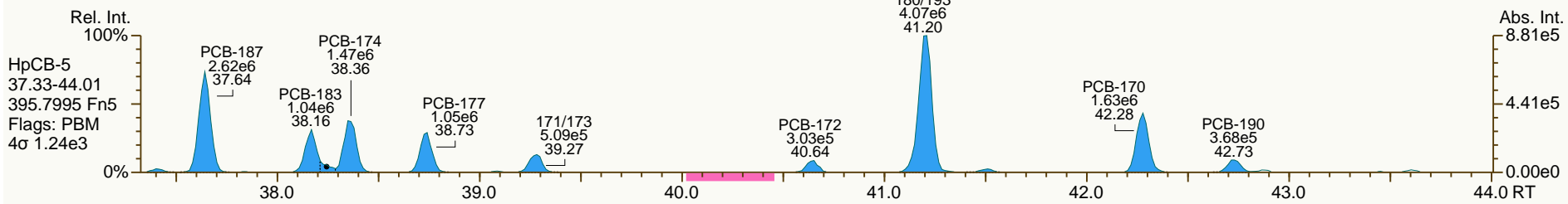
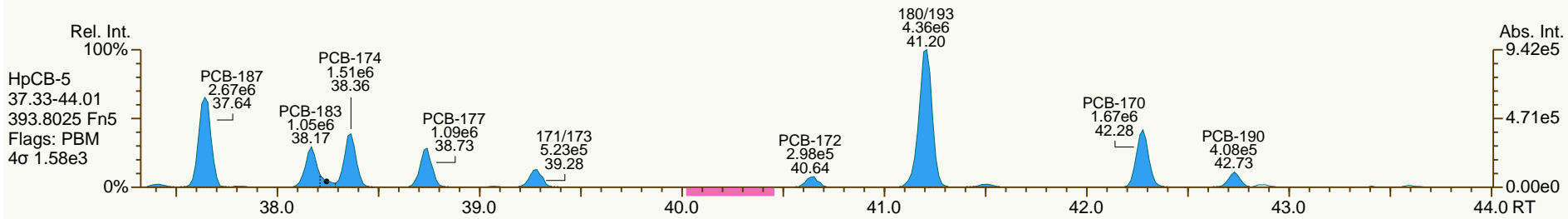
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

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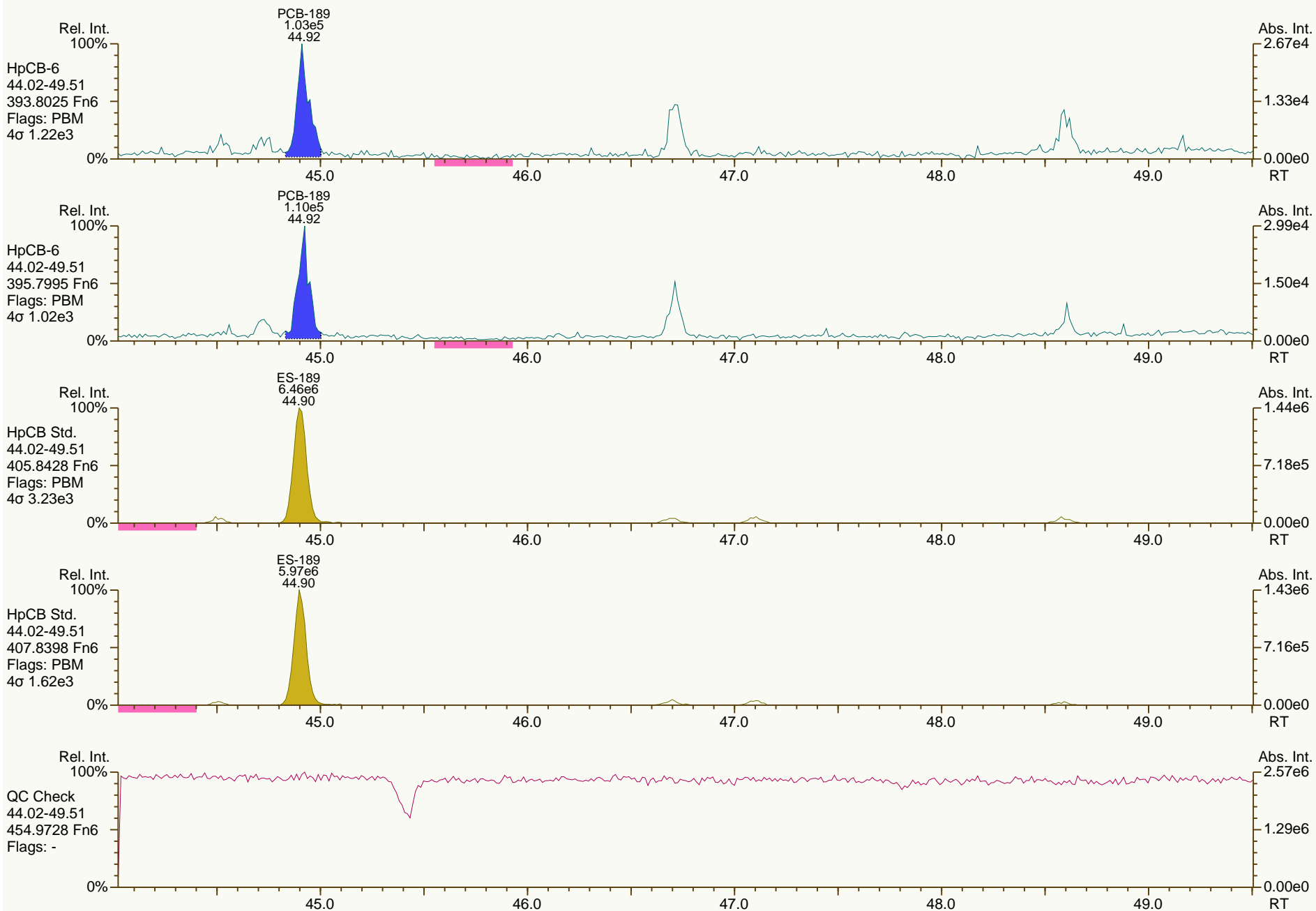
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

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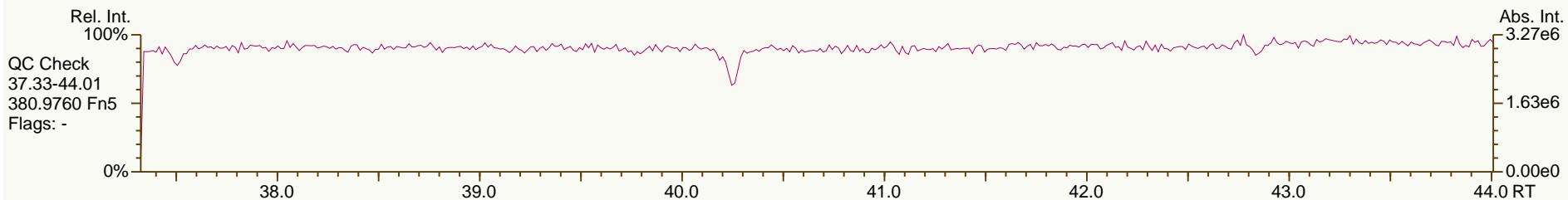
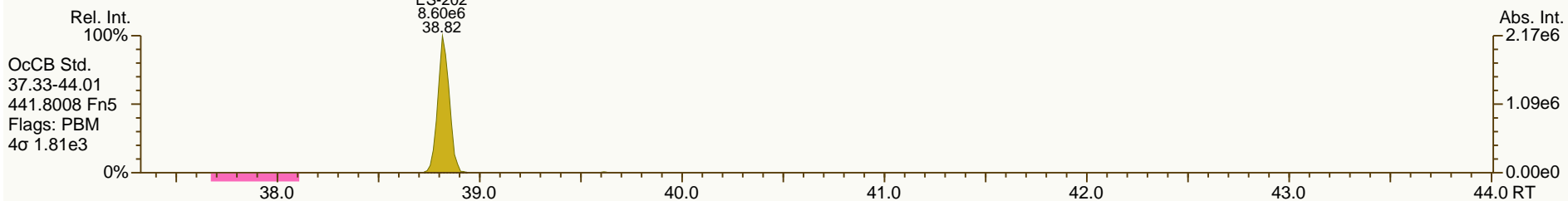
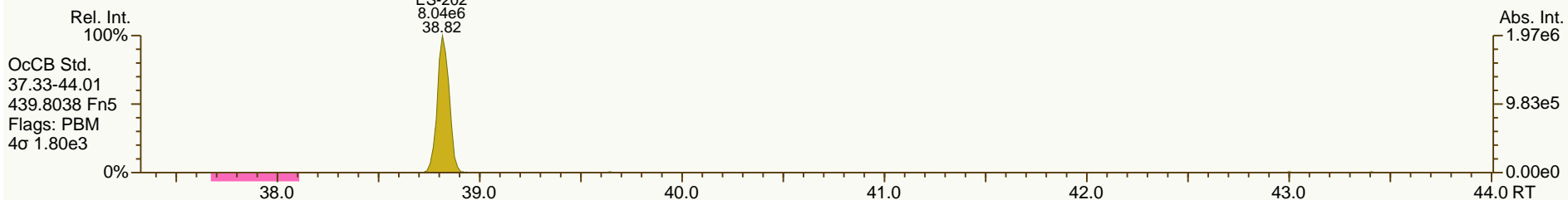
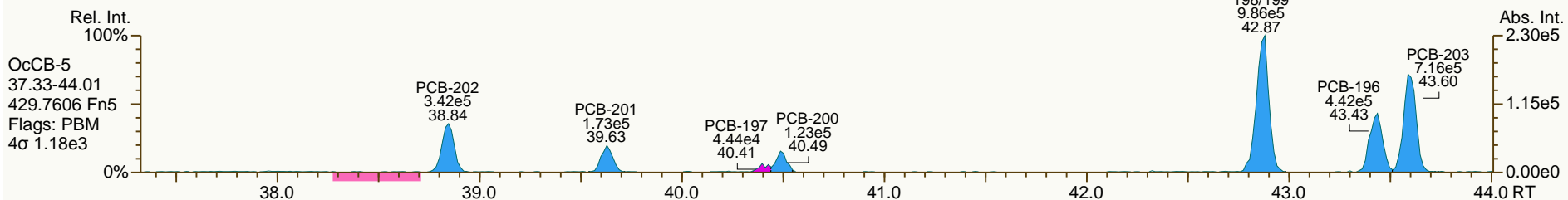
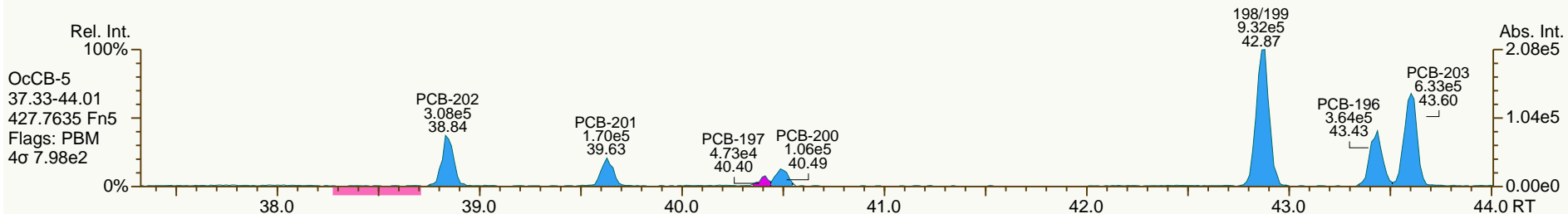
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

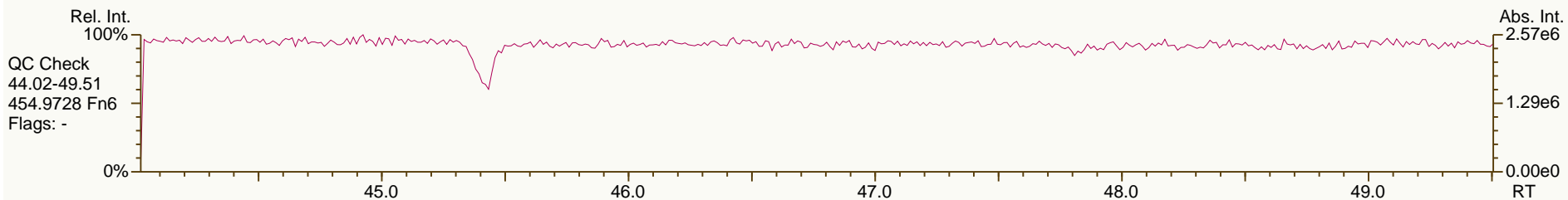
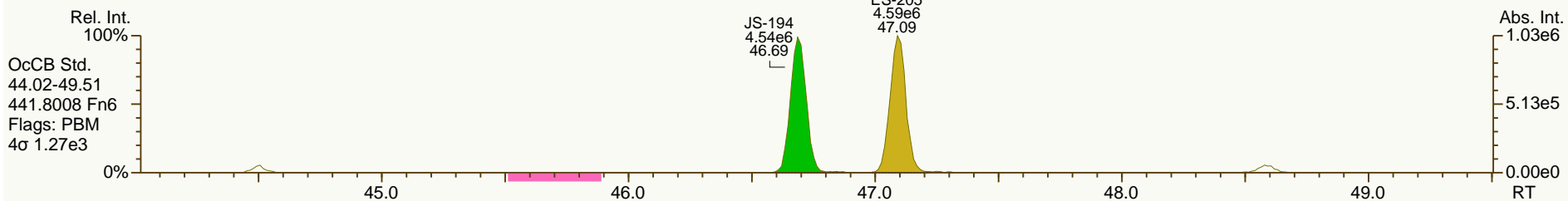
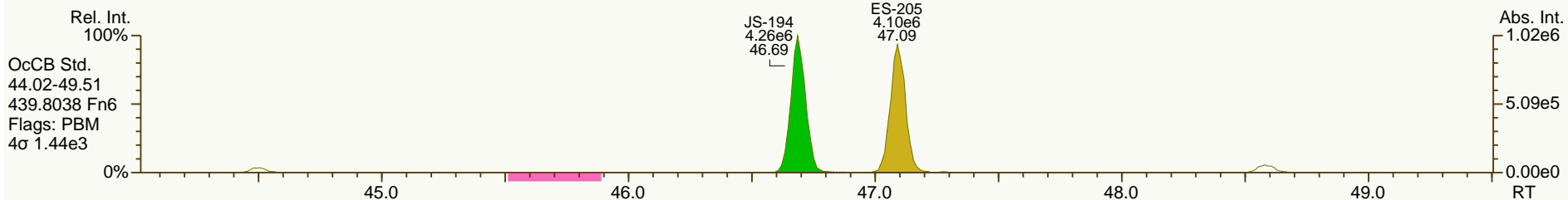
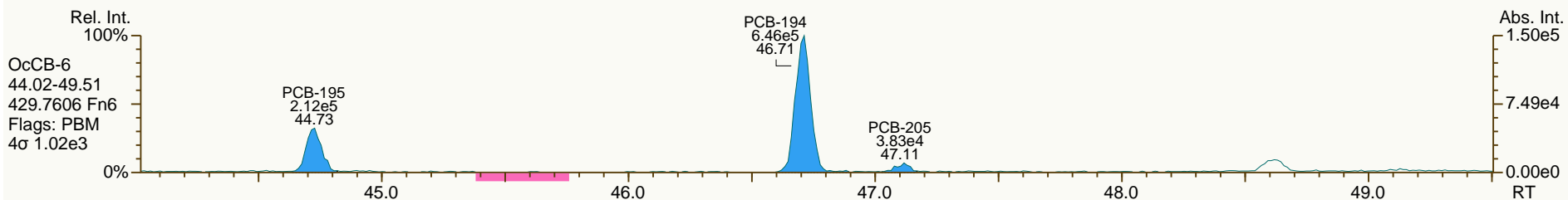
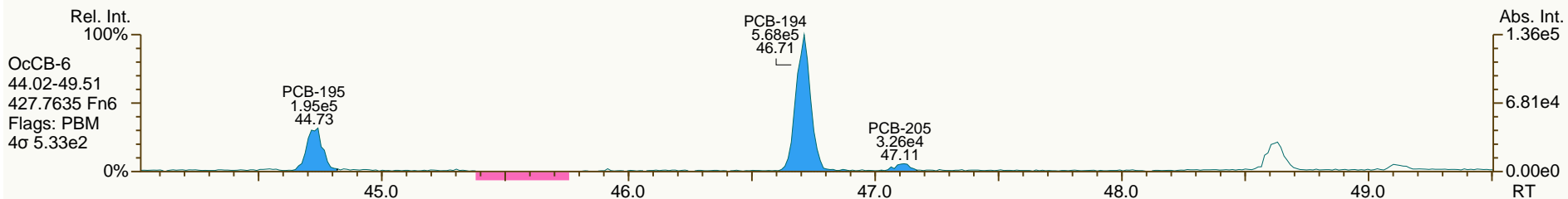
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

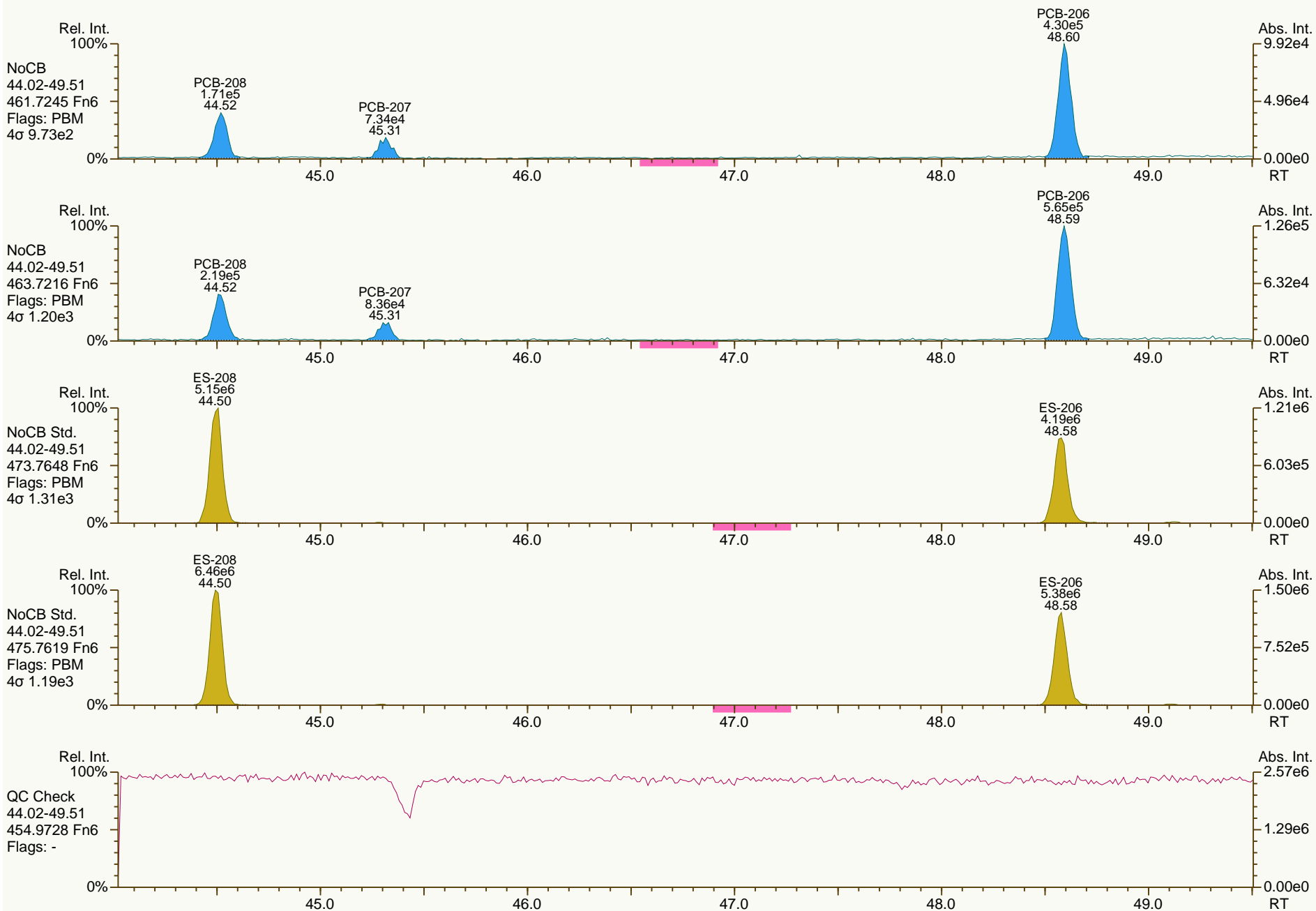
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
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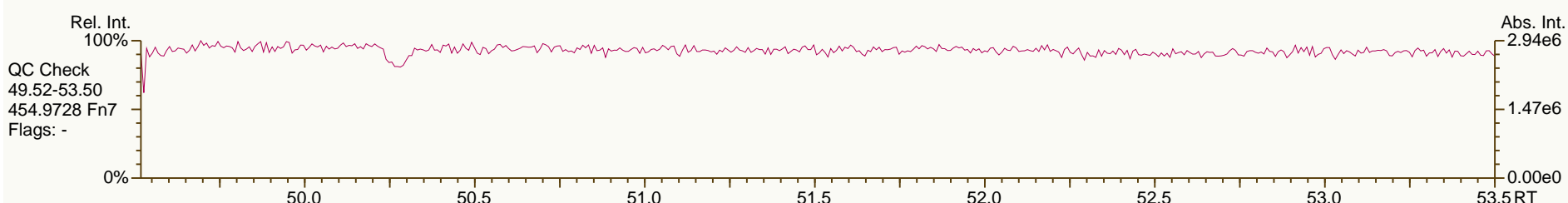
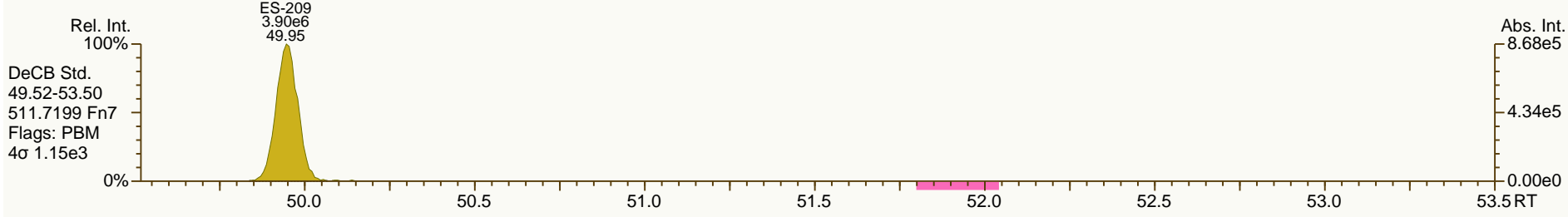
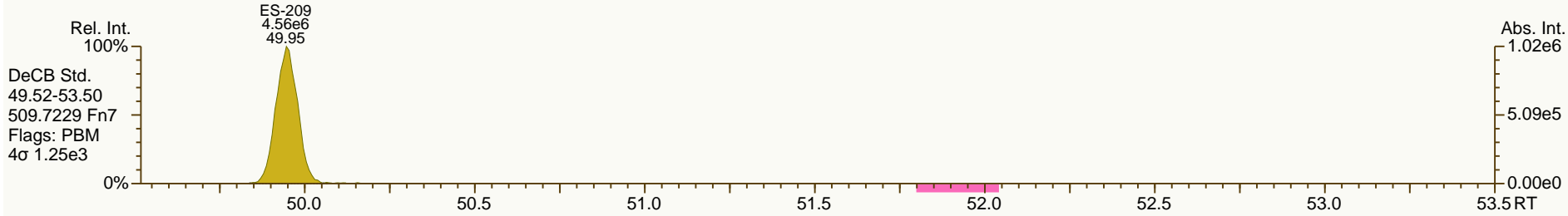
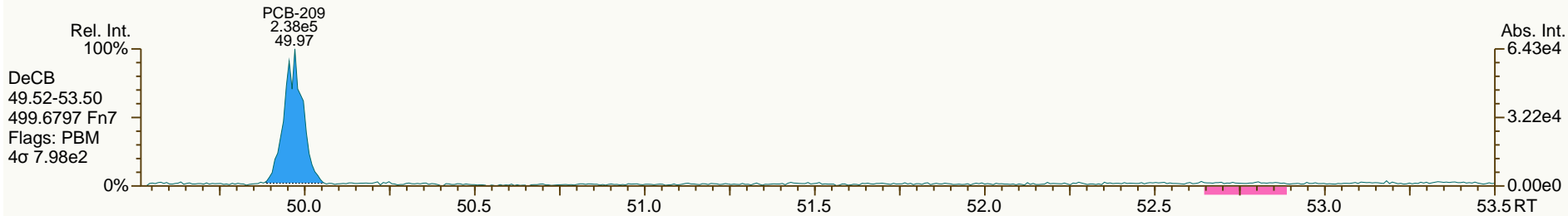
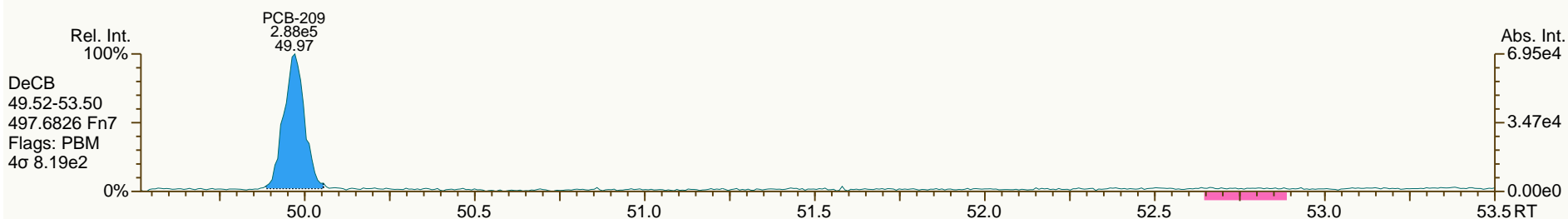
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SGS-AP ID: A5941_11356_PCB_001
 Instr: AutoSpec-Premier MM6

Sample ID: JW-302-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 45

Acq: 02-Oct-2013 15:25:22
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Lab ID: A5941_11356_PCB_002

ACQ: 02-Oct-2013 16:20:38 JLJ

Wt/Vol: 10.01 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-301-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 380-307-XBK

Datafile: 131002V14

RPT: 14-Oct-2013 15:44 JJ

Std (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.84		1.0007	1.0006	-0.2	4.23E+06	0.78	1.37	47.2	6.17E+03	0.74
PCB-81 344'5'-TeCB	31.37	EMPC	1.0005	1.0007	+0.4	1.64E+05	0.66	1.20	1.75	6.17E+03	0.671
PCB-105 233'44'-PeCB	34.84		1.0007	1.0006	-0.2	1.66E+07	0.63	0.97	262	2.91E+03	0.494
PCB-114 2344'5'-PeCB	34.30		1.0007	1.0006	-0.2	8.99E+05	0.65	1.06	12.1	2.91E+03	0.396
PCB-118 23'44'5'-PeCB	33.84		1.0007	1.0007	0	4.35E+07	0.62	1.00	615	2.91E+03	0.421
PCB-123 23'44'5'-PeCB	33.56		1.0006	1.0007	+0.2	6.24E+05	0.60	1.08	8.75	2.91E+03	0.421
PCB-126 33'44'5'-PeCB	37.47		1.0006	1.0004	-0.4	2.28E+05	0.61	1.08	3.46	3.22E+03	0.541
PCB-156/157 ...-HxCB	40.02	C	1.0005	1.0002	-0.7	5.00E+06	1.27	1.07	78.9	4.22E+03	1.01
PCB-167 23'44'55'-HxCB	39.05		1.0005	1.0005	0	1.62E+06	1.26	1.11	22.8	4.22E+03	0.657
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	4.22E+03	0.895
PCB-189 233'44'55'-HpCB	44.94		1.0004	1.0004	0	3.08E+05	1.03	1.10	4.52	2.70E+03	0.451
PCB-209 DeCB	49.99		1.0004	1.0004	0	6.96E+05	1.10	1.04	17	1.25E+03	0.347
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.23E+07	3.39	0.95	59.4 %	25%	150%
ES PCB-3	13.38		0.8609	0.8609	0	1.49E+07	3.37	0.85	79.9 %	25%	150%
ES PCB-4	13.62		0.8761	0.8762	+0.1	1.38E+07	1.58	0.67	94.9 %	25%	150%
ES PCB-15	19.21		1.2354	1.2353	-0.1	2.13E+07	1.60	0.94	104 %	25%	150%
ES PCB-19	16.62		1.0686	1.0687	+0.1	1.12E+07	1.04	0.54	94.4 %	25%	150%
ES PCB-37	25.49		1.0819	1.0815	-0.6	1.65E+07	1.15	1.08	96.3 %	25%	150%
ES PCB-54	19.47		0.8267	0.8262	-0.6	1.54E+07	0.77	1.27	75.7 %	25%	150%
ES PCB-77	31.82		1.3503	1.3501	-0.4	1.31E+07	0.81	0.84	97.9 %	25%	150%
ES PCB-81	31.35		1.3301	1.3299	-0.4	1.55E+07	0.78	0.98	99.2 %	25%	150%
ES PCB-104	24.43		0.8266	0.8262	-0.6	1.64E+07	1.56	1.69	82.2 %	25%	150%
ES PCB-105	34.82		1.1783	1.1777	-1.3	1.31E+07	1.57	1.08	103 %	25%	150%
ES PCB-114	34.28		1.1599	1.1594	-1.0	1.40E+07	1.57	1.11	107 %	25%	150%
ES PCB-118	33.81		1.1443	1.1438	-1.0	1.41E+07	1.54	1.13	106 %	25%	150%
ES PCB-123	33.53		1.1348	1.1342	-1.2	1.32E+07	1.54	1.10	102 %	25%	150%
ES PCB-126	37.46		1.2676	1.2670	-1.3	1.22E+07	1.53	1.17	87.7 %	25%	150%
ES PCB-153	35.41		0.9709	0.9709	0	1.25E+07	1.25	1.19	83.1 %	25%	150%
ES PCB-155	29.41		0.8056	0.8064	+1.4	1.63E+07	1.28	1.80	74.1 %	25%	150%
ES PCB-156/157	40.02		1.0973	1.0972	-0.2	2.37E+07	1.25	1.13	86.2 %	25%	150%
ES PCB-167	39.03		1.0702	1.0702	0	1.28E+07	1.27	1.20	87.3 %	25%	150%
ES PCB-169	42.78		1.1728	1.1728	0	8.62E+06	1.25	1.00	71 %	25%	150%
ES PCB-170	42.27		0.9050	0.9049	-0.3	1.07E+07	1.11	1.24	92.1 %	25%	150%
ES PCB-180	41.20		0.8820	0.8820	0	1.22E+07	1.02	1.51	86.8 %	25%	150%
ES PCB-188	34.27		0.7338	0.7337	-0.2	1.92E+07	1.00	2.06	76.4 %	25%	150%
ES PCB-189	44.92		0.9618	0.9617	-0.3	1.24E+07	1.06	1.78	86.7 %	25%	150%
ES PCB-202	38.83		0.8315	0.8313	-0.5	1.61E+07	0.85	1.66	79.7 %	25%	150%
ES PCB-205	47.11		1.0086	1.0086	0	8.24E+06	0.93	1.22	84.7 %	25%	150%
ES PCB-206	48.60		1.0404	1.0404	0	9.59E+06	0.82	1.23	97 %	25%	150%
ES PCB-208	44.51		0.9530	0.9529	-0.3	1.12E+07	0.80	1.60	87.1 %	25%	150%
ES PCB-209	49.97		1.0698	1.0697	-0.3	7.86E+06	1.20	1.31	75 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.95		0.9317	0.9312	-0.7	1.93E+07	1.11	1.25	93.2 %	30%	135%
SS PCB-111	31.85		1.0780	1.0775	-1.0	1.51E+07	1.59	1.15	98.8 %	30%	135%
SS PCB-178	36.85		1.0104	1.0104	0	1.20E+07	0.99	0.54	116 %	30%	135%
CS PCB-28	21.95		0.9317	0.9312	-0.7	1.93E+07	1.11	1.34	90.1 %	30%	135%
CS PCB-111	31.85		1.0780	1.0775	-1.0	1.51E+07	1.59	1.27	101 %	30%	135%
CS PCB-178	36.85		1.0104	1.0104	0	1.20E+07	0.99	1.11	88.9 %	30%	135%
JS PCB-9	15.55					2.19E+07	1.58				
JS PCB-52	23.57					1.59E+07	0.80				
JS PCB-101	29.56					1.18E+07	1.58				
JS PCB-138	36.47					1.22E+07	1.25				
JS PCB-194	46.71					8.01E+06	0.92				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			188		188		0.344	
			Di-CBs			569		569		0.546	
			Tri-CBs			1,570		1,570		0.646	
			Tetra-CBs			2,780		2,780		0.53	
			Penta-CBs			3,760		3,760		0.418	
			Hexa-CBs			2,580		2,580		0.678	
			Hepta-CBs			899		899		0.494	
			Octa-CBs			241		241		0.489	
			Nona-CBs			43		43		0.54	
PCB-1 2-MoCB	11.21		1.0011	1.0011	0	6.10E+06	3.00	1.19	83	3.91E+03	0.357
PCB-2 3-MoCB	13.22		0.9878	0.9878	0	3.19E+06	2.98	1.19	36.1	3.91E+03	0.347
PCB-3 4-MoCB	13.40		1.0010	1.0010	0	6.36E+06	2.99	1.24	68.8	3.91E+03	0.332
PCB-4 22'-DiCB	13.64		1.0011	1.0012	+0.1	2.19E+06	1.50	0.88	35.8	4.52E+03	0.587
PCB-10 26'-DiCB	13.81		1.0139	1.0137	-0.2	2.11E+05	SI	1.38	2.21	4.52E+03	0.377
PCB-9 25'-DiCB	15.56		1.0010	1.0010	0	9.89E+05	1.46	0.85	10.8	5.88E+03	0.599
PCB-7 24'-DiCB	15.72		1.0114	1.0113	-0.1	8.79E+05	1.38	0.95	8.64	5.88E+03	0.537
PCB-6 23'-DiCB	15.94		1.0255	1.0254	-0.1	3.02E+06	1.54	0.90	31.4	5.88E+03	0.568
PCB-5 23'-DiCB	16.24		1.0443	1.0443	0	3.62E+05	SI	0.91	3.73	5.88E+03	0.562
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	1.56E+07	1.51	0.94	157	5.88E+03	0.547
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	5.88E+03	0.468
PCB-11 33'-DiCB	18.65		0.9712	0.9712	0	1.81E+07	1.54	0.91	187	5.88E+03	0.565
PCB-13/12 34'/34'-DiCB	18.93	C	0.9862	0.9856	-0.7	2.07E+06	1.55	0.91	21.2	5.88E+03	0.561
PCB-15 44'-DiCB	19.22		1.0007	1.0008	+0.1	1.20E+07	1.51	1.01	111	5.88E+03	0.505
PCB-19 22'6-TrCB	16.64		1.0011	1.0011	0	4.53E+05	0.94	0.92	8.74	2.71E+03	0.418
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1058	+0.4	9.22E+06	1.03	1.18	140	2.71E+03	0.328
PCB-17 22'4-TrCB	18.76		1.1291	1.1291	0	4.18E+06	1.08	1.02	72.6	2.71E+03	0.377
PCB-27 23'6-TrCB	18.95		1.1405	1.1405	0	9.16E+05	1.09	1.35	12.1	2.71E+03	0.286
PCB-24 236-TrCB	19.08		1.1483	1.1481	-0.2	1.50E+05	1.11	1.33	2.02	2.71E+03	0.291
PCB-16 22'3-TrCB	19.17		1.1538	1.1539	+0.1	2.85E+06	1.01	0.76	67.1	2.71E+03	0.51

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	4.45E+06	1.04	1.46	54.2	2.71E+03	0.264
PCB-34 23'5'-TrCB	20.80	EMPC	0.8160	0.8158	-0.2	1.58E+05	0.87	1.35	1.42	9.74E+03	0.878
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	9.74E+03	0.853
PCB-26/29 23'5'/245-TrCB	21.21	C	0.8329	0.8318	-1.4	5.59E+06	1.02	1.37	49.6	9.74E+03	0.867
PCB-25 23'4-TrCB	21.42		0.8406	0.8403	-0.4	2.99E+06	1.06	1.43	25.4	9.74E+03	0.83
PCB-31 24'5-TrCB	21.70		0.8514	0.8512	-0.3	3.54E+07	1.02	1.44	298	9.74E+03	0.824
PCB-28/20 244'/233'-TrCB	21.97	C	0.8623	0.8618	-0.7	4.55E+07	1.02	1.33	415	9.74E+03	0.891
PCB-21/33 234/23'4'-TrCB	22.18	C	0.8692	0.8700	+1.1	1.81E+07	1.04	1.39	159	9.74E+03	0.854
PCB-22 234'-TrCB	22.53		0.8839	0.8837	-0.3	1.29E+07	1.03	1.29	121	9.74E+03	0.919
PCB-36 33'5-TrCB	23.92		0.9382	0.9382	0	3.41E+05	0.99	1.37	3	9.74E+03	0.862
PCB-39 34'5-TrCB	24.26		0.9506	0.9518	+1.7	2.41E+05	1.18	1.43	2.05	9.74E+03	0.83
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	9.74E+03	0.925
PCB-35 33'4-TrCB	25.15		0.9866	0.9866	0	1.18E+06	1.01	1.20	11.9	9.74E+03	0.985
PCB-37 344'-TrCB	25.51		1.0008	1.0008	0	1.41E+07	1.03	1.35	126	9.74E+03	0.875
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.67E+03	0.274
PCB-50/53 22'46/22'56'-TeCB	21.45	C	0.9113	0.9098	-1.9	1.50E+06	0.76	0.93	20.8	3.40E+03	0.477
PCB-45 22'36-TeCB	22.05		0.9357	0.9355	-0.3	1.37E+06	0.78	0.79	22.4	3.40E+03	0.563
PCB-51 22'46'-TeCB	22.13		0.9389	0.9388	-0.1	3.52E+05	0.78	0.97	4.67	3.40E+03	0.457
PCB-46 22'36'-TeCB	22.32		0.9475	0.9471	-0.5	4.42E+05	0.81	0.78	7.34	3.40E+03	0.573
PCB-52 22'55'-TeCB	23.59		1.0010	1.0009	-0.1	2.71E+07	0.77	0.91	385	3.40E+03	0.49
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	3.40E+03	0.389
PCB-43 22'35-TeCB	23.81		1.0102	1.0102	0	4.73E+05	0.73	0.83	7.37	3.40E+03	0.538
PCB-69/49 23'46/22'45'-TeCB	24.03	C	1.0187	1.0194	+1.0	1.48E+07	0.76	1.09	174	3.40E+03	0.406
PCB-48 22'45-TeCB	24.29		1.0304	1.0304	0	3.15E+06	0.77	0.91	44.7	3.40E+03	0.489
PCB-44/47/65 ...-TeCB	24.48	C	1.0396	1.0385	-1.6	2.07E+07	0.77	0.97	274	3.40E+03	0.457
PCB-59/62/75 ...-TeCB	24.77	C	1.0512	1.0509	-0.4	2.03E+06	0.77	1.22	21.4	3.40E+03	0.364
PCB-42 22'34'-TeCB	24.94		1.0580	1.0579	-0.1	4.57E+06	0.75	0.87	68.1	3.40E+03	0.513
PCB-41 22'34-TeCB	25.27		1.0721	1.0718	-0.5	1.04E+06	0.76	0.77	17.5	3.40E+03	0.579
PCB-71/40 23'4'6/22'33'-TeCB	25.37	C	1.0762	1.0762	0	8.31E+06	0.77	0.93	115	3.40E+03	0.478
PCB-64 234'6-TeCB	25.57		1.0847	1.0847	0	1.16E+07	0.77	1.32	114	3.40E+03	0.338
PCB-72 23'55'-TeCB	26.30		0.8387	0.8391	+0.6	4.16E+05	0.82	1.10	4.86	6.17E+03	0.731
PCB-68 23'45'-TeCB	26.56		0.8468	0.8473	+0.8	2.70E+05	0.80	1.33	2.62	6.17E+03	0.607
PCB-57 233'5-TeCB	26.94		0.8585	0.8593	+1.3	1.40E+05	0.73	1.19	1.51	6.17E+03	0.676
PCB-58 233'5'-TeCB	27.14		0.8649	0.8657	+1.3	1.16E+05	0.68	1.23	1.21	6.17E+03	0.656
PCB-67 23'45-TeCB	27.30		0.8699	0.8707	+1.3	1.19E+06	0.77	1.29	11.9	6.17E+03	0.623
PCB-63 234'5-TeCB	27.52		0.8771	0.8779	+1.3	1.39E+06	0.75	1.34	13.4	6.17E+03	0.603
PCB-61/70/74/76 ...-TeCB	27.82	C	0.8864	0.8875	+1.8	6.91E+07	0.76	1.23	725	6.17E+03	0.657
PCB-66 23'44'-TeCB	28.10		0.8953	0.8963	+1.7	3.82E+07	0.77	1.16	426	6.17E+03	0.698
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	6.17E+03	0.69
PCB-56 233'4'-TeCB	28.69		0.9138	0.9152	+2.4	1.56E+07	0.78	1.15	175	6.17E+03	0.7
PCB-60 2344'-TeCB	28.89		0.9199	0.9215	+2.8	7.98E+06	0.77	1.18	87.4	6.17E+03	0.685
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	6.17E+03	0.586
PCB-79 33'45'-TeCB	30.51		0.9730	0.9732	+0.4	5.27E+05	0.70	1.35	5.05	6.17E+03	0.6
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	6.17E+03	0.746
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	2.22E+03	0.232
PCB-96 22'366'-PeCB	24.75		1.0136	1.0135	-0.1	1.91E+05	0.58	0.97	2.39	2.22E+03	0.267
PCB-103 22'45'6-PeCB	26.47		0.8954	0.8953	-0.2	2.04E+05	0.57	0.81	3.82	2.91E+03	0.562
PCB-94 22'356'-PeCB	26.66	EMPC	0.9017	0.9018	+0.2	7.71E+04	0.72	0.69	1.69	2.91E+03	0.658

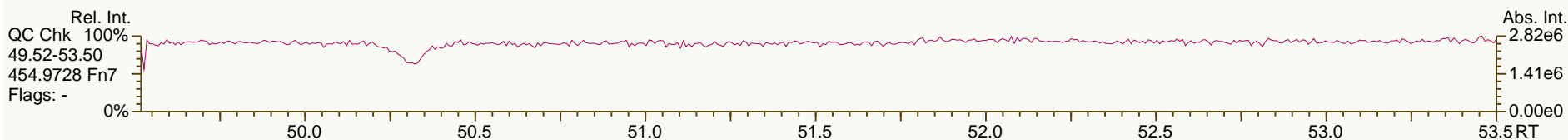
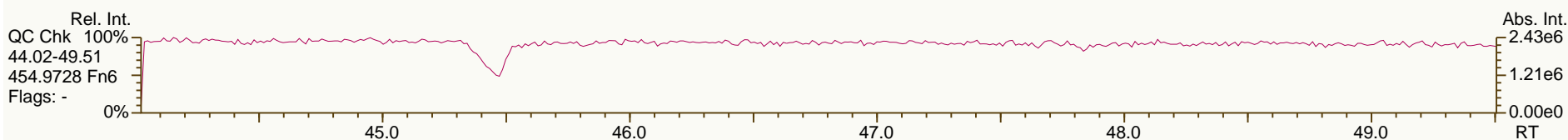
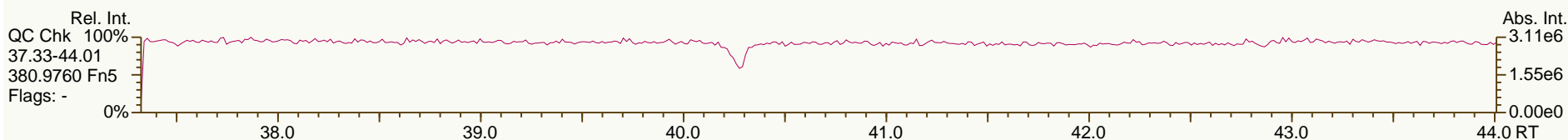
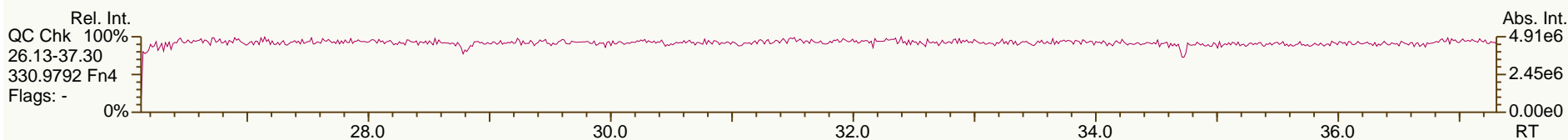
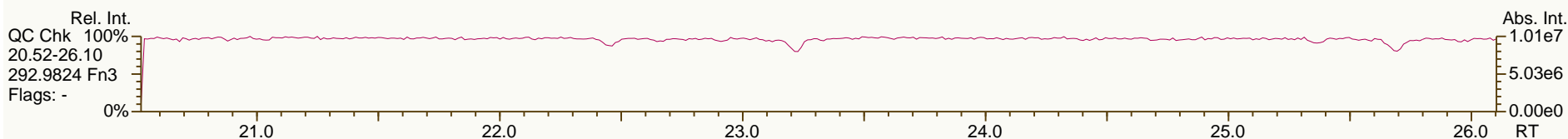
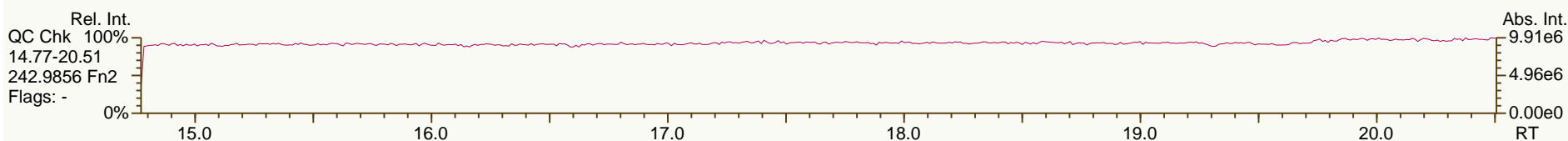
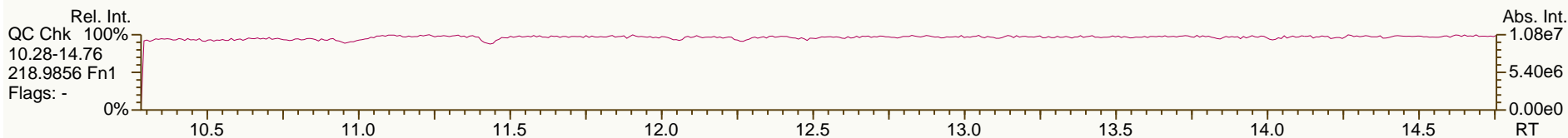
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.04		0.9145	0.9146	+0.2	1.76E+07	0.62	0.74	357	2.91E+03	0.61
PCB-100/93 22'44'6/22'356-PeCB	27.24	EMPC C	0.9217	0.9215	-0.3	1.60E+05	0.52	0.75	3.2	2.91E+03	0.602
PCB-102 22'456'-PeCB	27.37		0.9256	0.9258	+0.3	6.25E+05	0.61	0.86	11	2.91E+03	0.53
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.91E+03	0.667
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.91E+03	0.661
PCB-91 22'34'6-PeCB	27.80		0.9401	0.9404	+0.5	3.16E+06	0.62	0.87	55.2	2.91E+03	0.524
PCB-84 22'33'6-PeCB	27.99		0.9464	0.9467	+0.5	5.26E+06	0.63	0.64	124	2.91E+03	0.706
PCB-89 22'346'-PeCB	28.42		0.9606	0.9614	+1.4	2.01E+05	0.56	0.70	4.38	2.91E+03	0.653
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.91E+03	0.425
PCB-92 22'355'-PeCB	29.12		0.9835	0.9852	+3.0	5.13E+06	0.62	0.73	106	2.91E+03	0.62
PCB-113/90/101 ...-PeCB	29.58	C	0.9999	1.0007	+1.4	3.22E+07	0.62	0.87	557	2.91E+03	0.521
PCB-83 22'33'5-PeCB	29.98		1.0145	1.0141	-0.7	1.36E+06	0.62	0.65	31.8	2.91E+03	0.701
PCB-99 22'44'5-PeCB	30.09		1.0179	1.0177	-0.4	1.58E+07	0.62	0.78	306	2.91E+03	0.581
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.91E+03	0.455
PCB-108/119/86/97/125...-PeCB	30.55	C	1.0329	1.0335	+1.1	2.16E+07	0.62	0.87	377	2.91E+03	0.524
PCB-117 234'56-PeCB	31.06		1.0510	1.0505	-0.9	9.44E+05	0.58	1.00	14.2	2.91E+03	0.453
PCB-116/85 23456/22'344'-PeCB	31.13	C	1.0539	1.0531	-1.5	5.30E+06	0.61	0.81	98.3	2.91E+03	0.558
PCB-110 233'4'6-PeCB	31.26		1.0580	1.0575	-0.9	4.47E+07	0.61	1.01	666	2.91E+03	0.448
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.91E+03	0.469
PCB-82 22'33'4-PeCB	31.54		1.0674	1.0668	-1.1	2.81E+06	0.63	0.63	67.7	2.91E+03	0.724
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.91E+03	0.423
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.91E+03	0.425
PCB-107/124 ...-PeCB	33.24	C	0.9913	0.9914	+0.2	1.49E+06	0.60	0.95	23.6	2.91E+03	0.476
PCB-109 233'46-PeCB	33.45		0.9974	0.9976	+0.4	3.25E+06	0.61	1.10	44.6	2.91E+03	0.413
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.91E+03	0.451
PCB-122 233'4'5'-PeCB	34.12		1.0092	1.0091	-0.2	5.21E+05	0.61	0.88	8.39	2.91E+03	0.475
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.91E+03	0.494
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.79E+03	0.152
PCB-152 22'3566'-HxCB	29.57	J	1.0059	1.0054	-0.9	2.95E+04	1.29	1.09	0.331	1.79E+03	0.167
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.79E+03	0.168
PCB-136 22'33'66'-HxCB	30.00		1.0210	1.0202	-1.4	4.35E+06	1.26	0.98	54.3	1.79E+03	0.186
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.79E+03	0.179
PCB-148 22'34'56'-HxCB	31.56		1.0742	1.0730	-2.3	7.21E+04	1.34	1.03	1.12	1.79E+03	0.275
PCB-151/135 ...-HxCB	32.07	C	1.0918	1.0904	-2.7	9.57E+06	1.24	1.00	154	1.79E+03	0.283
PCB-154 22'44'56'-HxCB	32.29		1.0991	1.0979	-2.3	5.64E+05	1.27	1.14	7.92	1.79E+03	0.247
PCB-144 22'345'6-HxCB	32.55		1.1079	1.1068	-2.1	1.29E+06	1.20	1.03	19.9	1.79E+03	0.273
PCB-147/149 ...-HxCB	32.85	C	1.1182	1.1169	-2.6	2.57E+07	1.27	1.05	392	1.79E+03	0.268
PCB-134 22'33'56-HxCB	33.03		1.1239	1.1229	-2.0	1.66E+06	1.21	0.77	34.3	1.79E+03	0.364
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.79E+03	0.267
PCB-139/140 ...-HxCB	33.37	C	1.1359	1.1346	-2.6	6.81E+05	1.16	1.05	10.3	1.79E+03	0.267
PCB-131 22'33'46-HxCB	33.54		1.1417	1.1405	-2.4	4.06E+05	1.30	0.91	7.16	1.79E+03	0.311
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.79E+03	0.309
PCB-132 22'33'46'-HxCB	33.92		1.1547	1.1534	-2.6	1.04E+07	1.25	0.93	179	1.79E+03	0.303
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00		0.98	ND	1.79E+03	0.289
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.79E+03	0.235
PCB-146 22'34'55'-HxCB	34.90		0.9570	0.9570	0	6.20E+06	1.24	1.09	91.3	1.79E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.79E+03	0.208
PCB-153/168 ...-HxCB	35.43	C	0.9720	0.9715	-1.1	3.91E+07	1.24	1.32	473	1.79E+03	0.213

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.59		0.9759	0.9759	0	5.33E+06	1.19	1.02	83.2	1.79E+03	0.275
PCB-130 22'33'45'-HxCB	35.94		0.9854	0.9854	0	2.41E+06	1.25	0.89	43.2	1.79E+03	0.316
PCB-137 22'344'5'-HxCB	36.14		0.9908	0.9909	+0.2	1.87E+06	1.21	1.09	27.3	1.79E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.22		0.9932	0.9932	0	3.25E+06	1.23	1.28	40.6	1.79E+03	0.22
PCB-163/138/129 ...-HxCB	36.50	C	1.0011	1.0007	-0.9	4.55E+07	1.23	1.06	683	1.79E+03	0.265
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.79E+03	0.236
PCB-158 233'44'6'-HxCB	36.83		1.0099	1.0099	0	5.34E+06	1.24	1.37	62.2	1.79E+03	0.205
PCB-128/166 ...-HxCB	37.58	C	0.9625	0.9627	+0.5	5.83E+06	1.22	0.86	105	4.22E+03	0.847
PCB-159 233'455'-HxCB	38.37		0.9838	0.9831	-1.6	2.34E+05	1.18	1.03	3.55	4.22E+03	0.711
PCB-162 233'4'55'-HxCB	38.64		0.9901	0.9900	-0.2	1.69E+05	1.23	1.03	2.57	4.22E+03	0.712
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.69E+03	0.191
PCB-179 22'33'566'-HpCB	34.57		1.0087	1.0087	0	3.34E+06	1.08	0.87	40.2	1.69E+03	0.199
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.69E+03	0.205
PCB-176 22'33'466'-HpCB	35.33		1.0308	1.0309	+0.2	9.49E+05	1.09	0.95	10.5	1.69E+03	0.183
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.69E+03	0.197
PCB-178 22'33'55'6'-HpCB	36.88		1.0759	1.0761	+0.4	1.48E+06	1.03	0.63	24.5	1.69E+03	0.275
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	3.30E+03	0.658
PCB-187 22'34'55'6'-HpCB	37.65		1.0986	1.0988	+0.5	8.95E+06	1.02	0.97	151	3.30E+03	0.581
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	3.30E+03	0.559
PCB-183 22'344'5'6'-HpCB	38.18		1.1139	1.1140	+0.2	3.67E+06	1.04	1.00	59.9	3.30E+03	0.562
PCB-185 22'3455'6'-HpCB	38.25		1.1163	1.1162	-0.2	5.31E+05	1.02	0.90	9.67	3.30E+03	0.627
PCB-174 22'33'456'-HpCB	38.37		1.1196	1.1196	0	5.23E+06	1.03	0.86	99.2	3.30E+03	0.653
PCB-177 22'33'45'6'-HpCB	38.75		1.1305	1.1306	+0.2	3.63E+06	1.07	0.82	72.7	3.30E+03	0.689
PCB-181 22'344'56-HpCB	39.10		1.1408	1.1408	0	8.17E+04	1.04	0.96	1.4	3.30E+03	0.591
PCB-171/173 ...-HpCB	39.29	C	1.1461	1.1464	+0.7	1.77E+06	1.00	0.82	35.7	3.30E+03	0.692
PCB-172 22'33'455'-HpCB	40.66		0.9050	0.9051	+0.2	1.05E+06	1.04	0.83	20.7	3.30E+03	0.678
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	3.30E+03	0.518
PCB-180/193 ...-HpCB	41.21	C	0.9168	0.9175	+1.7	1.47E+07	1.04	1.03	235	3.30E+03	0.55
PCB-191 233'44'5'6'-HpCB	41.52		0.9242	0.9242	0	3.16E+05	1.03	1.14	4.55	3.30E+03	0.495
PCB-170 22'33'44'5'-HpCB	42.29		0.9414	0.9414	0	5.59E+06	1.02	0.96	109	3.30E+03	0.678
PCB-190 233'44'56-HpCB	42.74		0.9515	0.9515	0	1.40E+06	1.00	1.28	20.3	3.30E+03	0.505
PCB-202 22'33'55'66'-OoCB	38.85		1.0006	1.0005	-0.2	1.05E+06	0.90	0.86	15.1	2.18E+03	0.321
PCB-201 22'33'45'66'-OoCB	39.64		1.0209	1.0209	0	5.64E+05	0.94	0.97	7.23	2.18E+03	0.285
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.18E+03	0.307
PCB-197 22'33'44'66'-OoCB	40.41		1.0407	1.0407	0	1.31E+05	0.87	1.00	1.62	2.18E+03	0.276
PCB-200 22'33'4566'-OoCB	40.50		1.0430	1.0430	0	4.31E+05	0.91	0.88	6.05	2.18E+03	0.313
PCB-198/199 ...-OoCB	42.88	C	1.1037	1.1044	+1.8	3.25E+06	0.87	0.66	60.9	2.18E+03	0.417
PCB-196 22'33'44'56'-OoCB	43.44		1.1186	1.1188	+0.5	1.43E+06	0.87	0.68	26	2.18E+03	0.404
PCB-203 22'344'55'6'-OoCB	43.61		1.1230	1.1232	+0.5	2.21E+06	0.91	0.71	38.5	2.18E+03	0.388
PCB-195 22'33'44'56-OoCB	44.74		0.9498	0.9496	-0.5	7.33E+05	0.90	0.81	22	2.68E+03	0.887
PCB-194 22'33'44'55'-OoCB	46.73		0.9918	0.9918	0	2.20E+06	0.88	0.87	61.4	2.68E+03	0.822
PCB-205 233'44'55'6'-OoCB	47.13		1.0004	1.0004	0	1.23E+05	0.89	1.09	2.73	2.68E+03	0.656
PCB-208 22'33'455'66'-NoCB	44.53		1.0005	1.0005	0	5.23E+05	0.79	1.00	9.37	2.25E+03	0.436
PCB-207 22'33'44'566'-NoCB	45.33		1.0184	1.0183	-0.3	2.09E+05	0.69	0.99	3.77	2.25E+03	0.439
PCB-206 22'33'44'55'6'-NoCB	48.61		1.0004	1.0003	-0.3	1.22E+06	0.77	0.85	29.9	2.25E+03	0.644

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Sample ID: JW-301-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

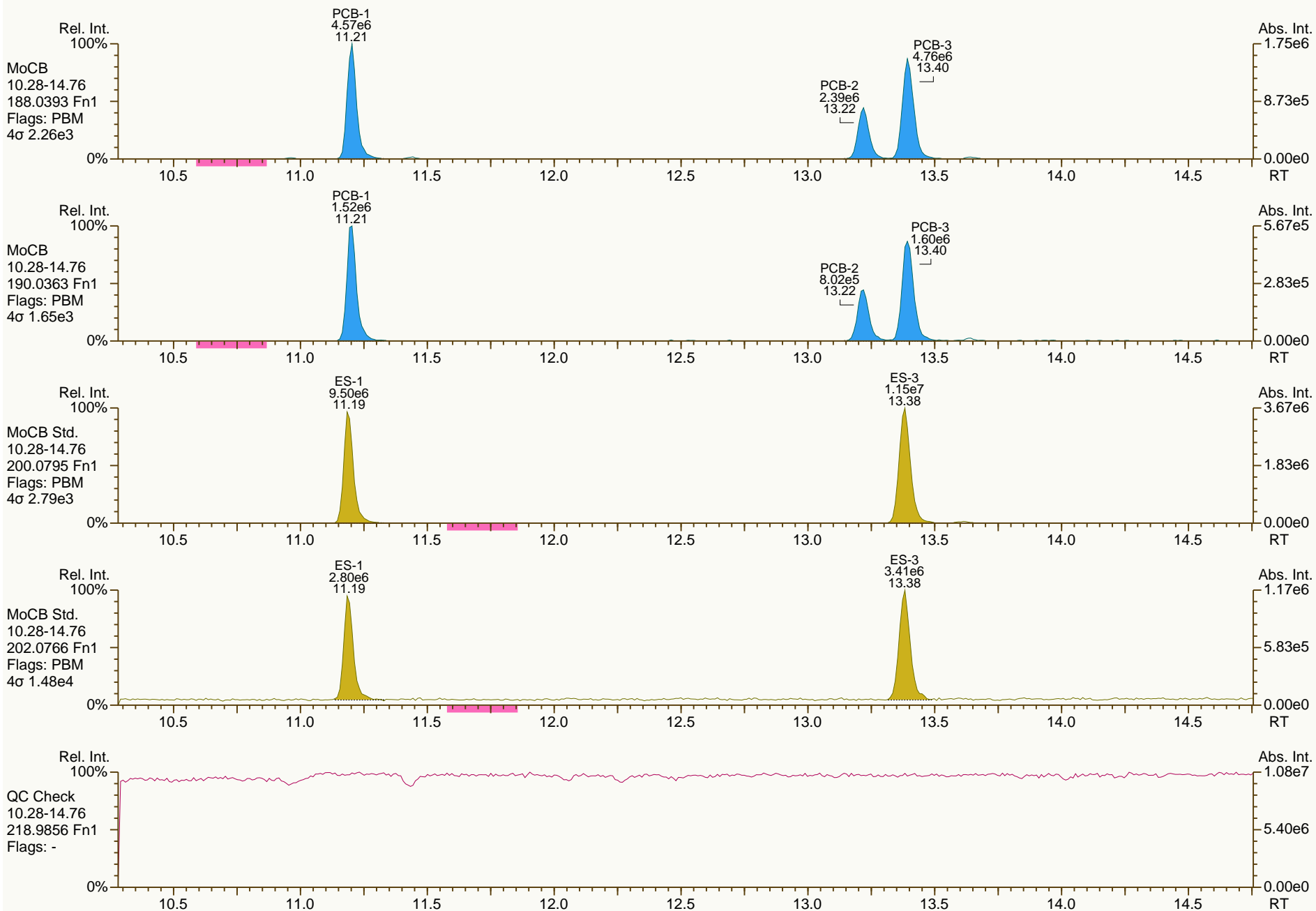
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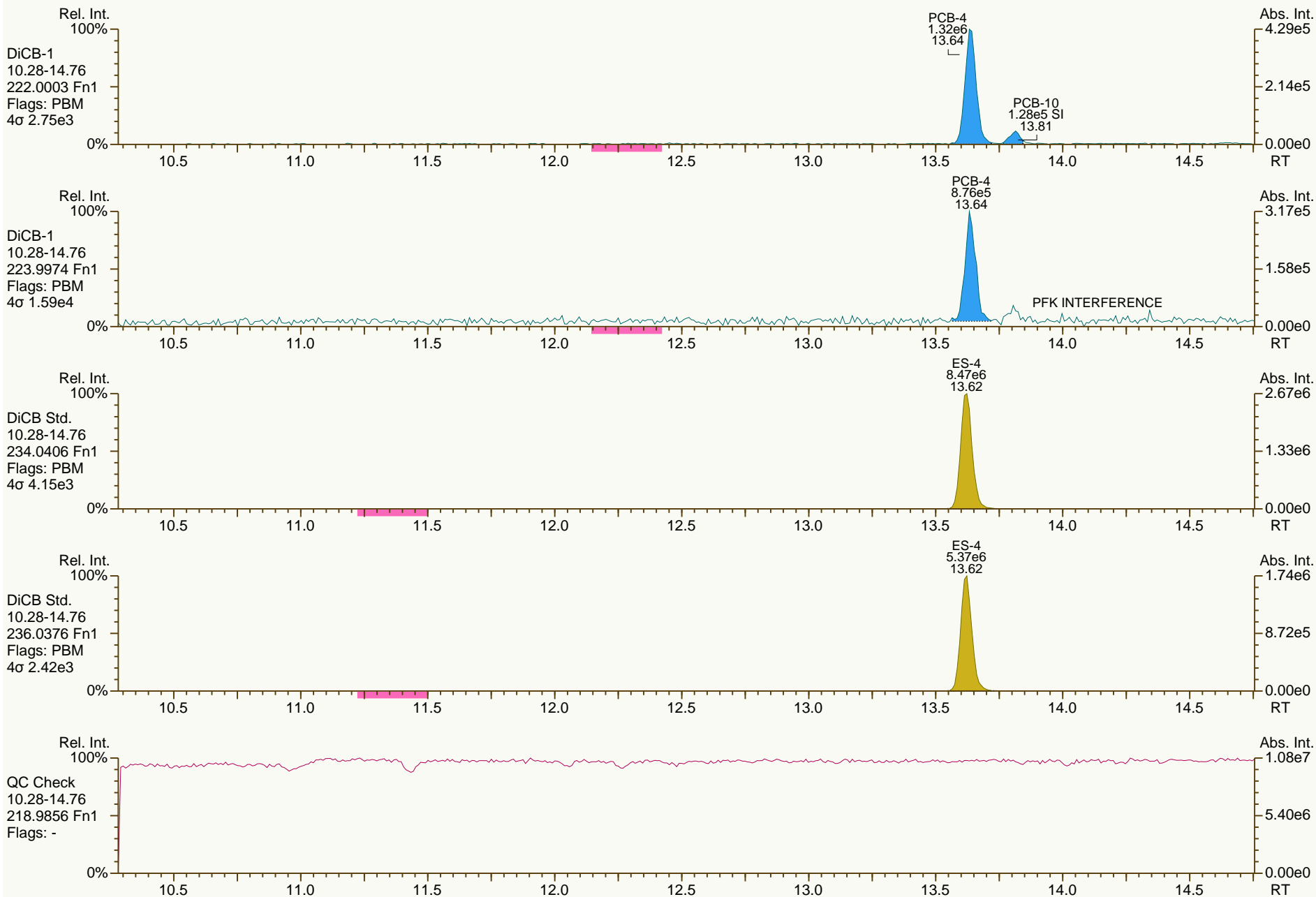
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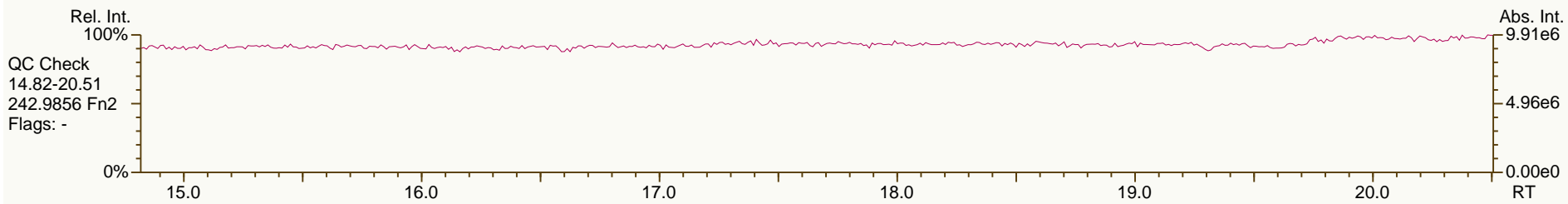
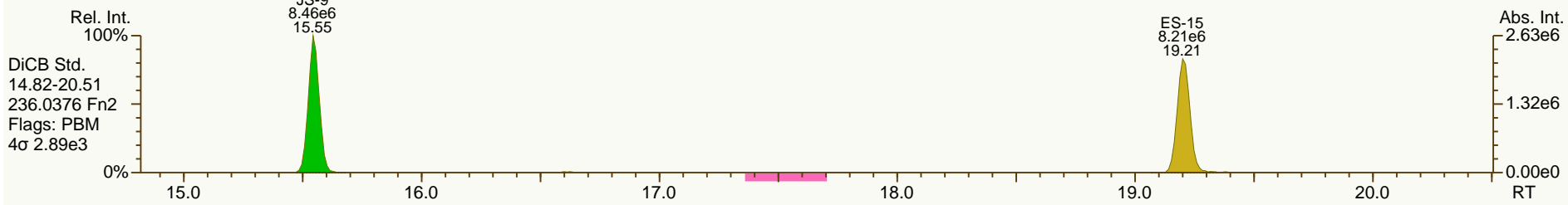
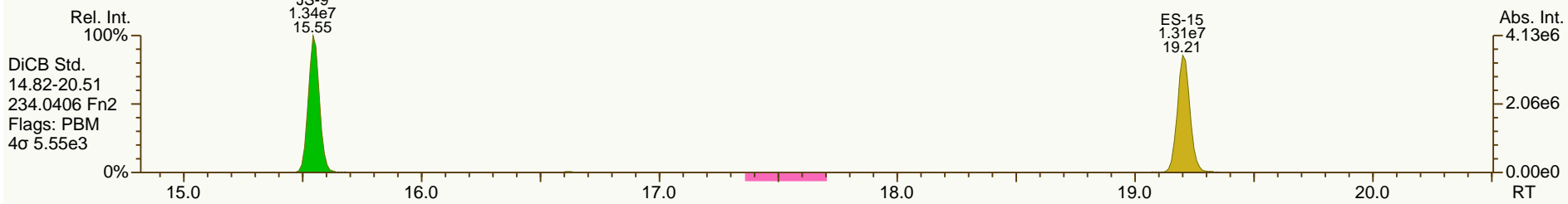
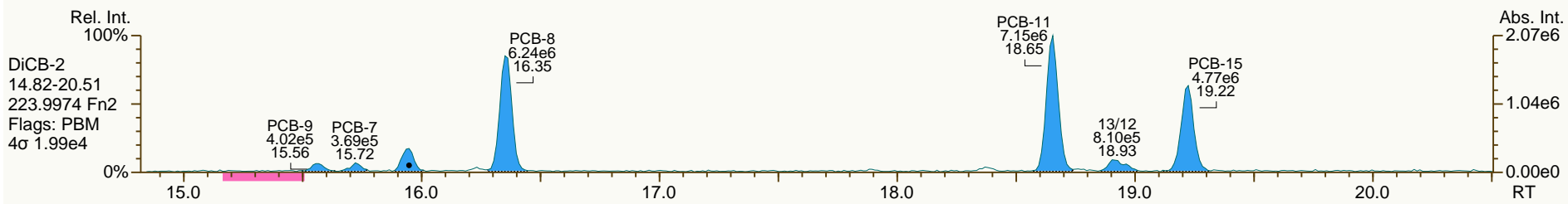
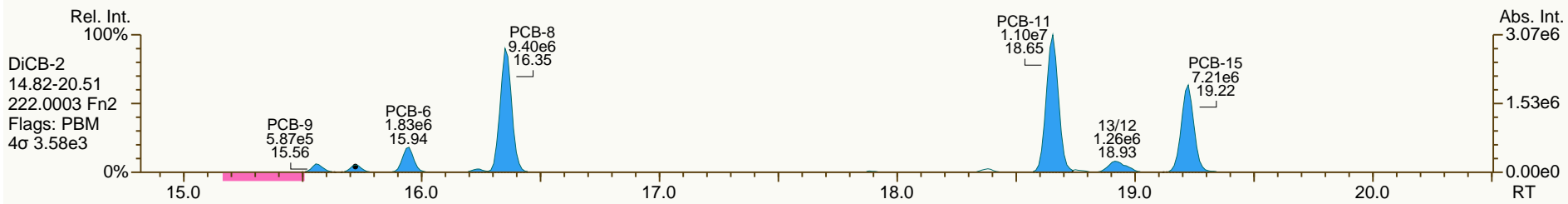
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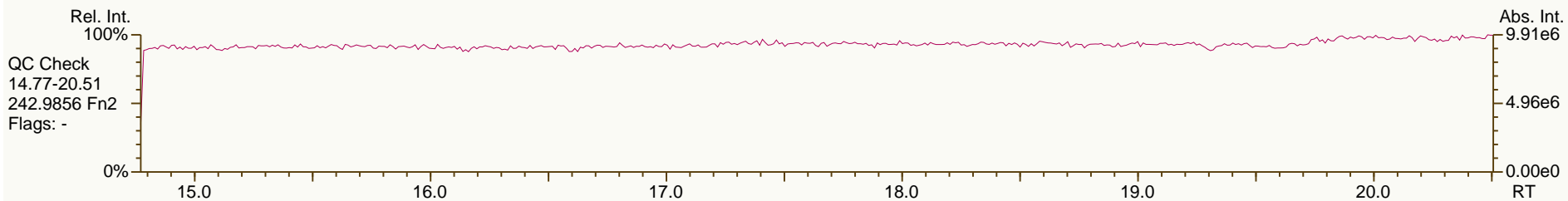
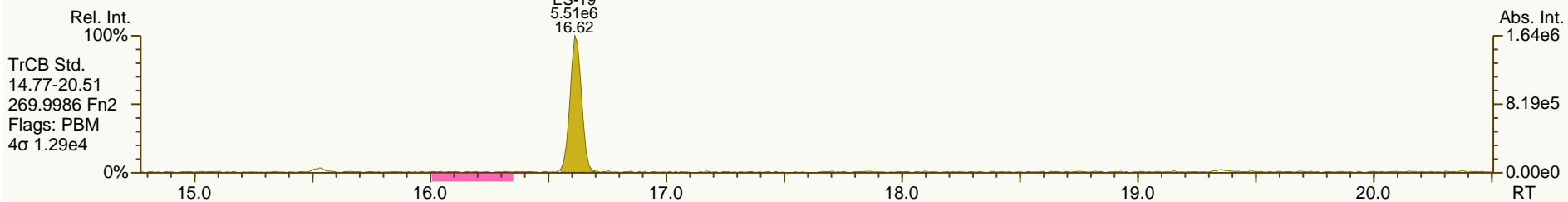
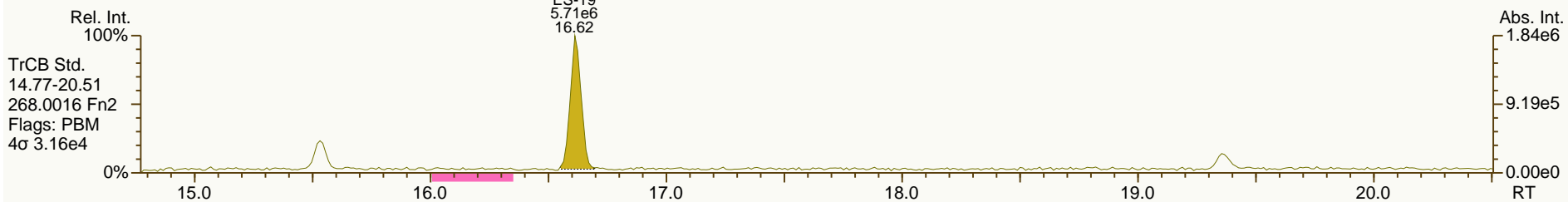
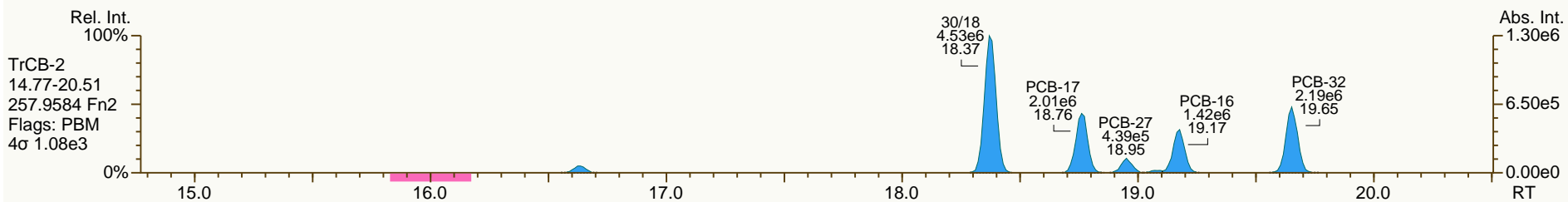
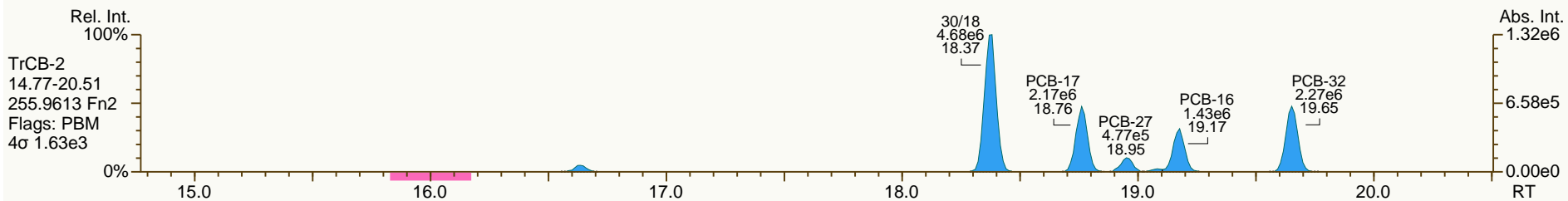
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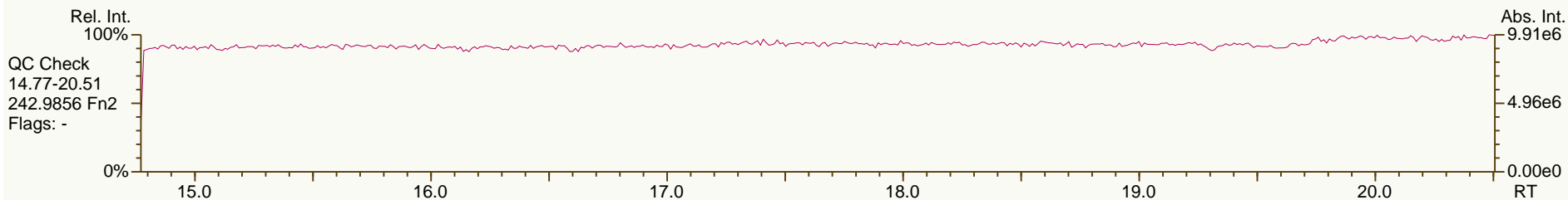
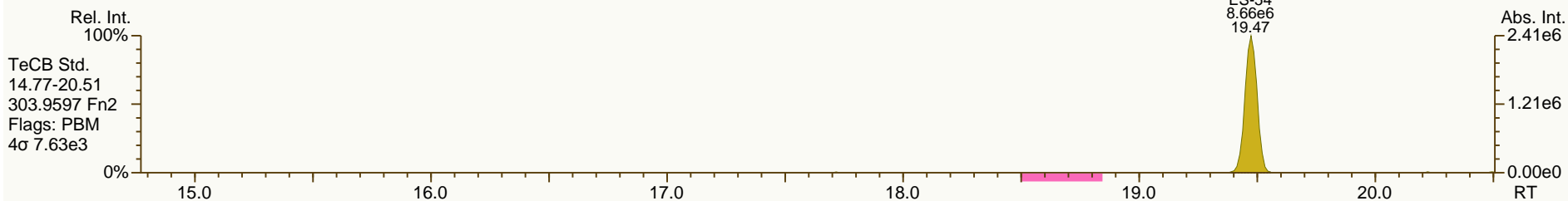
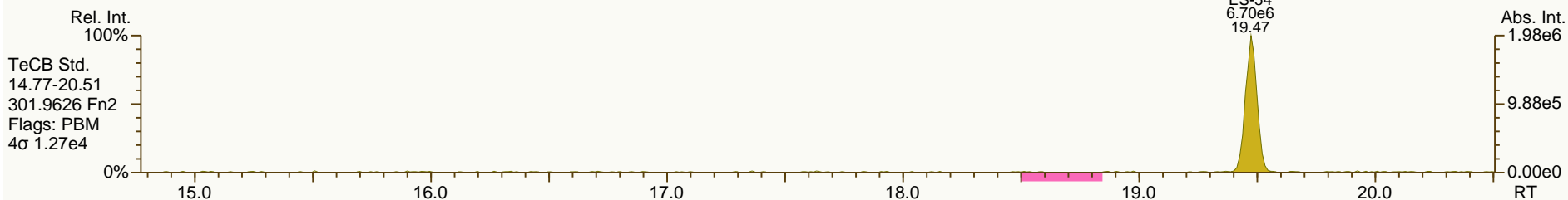
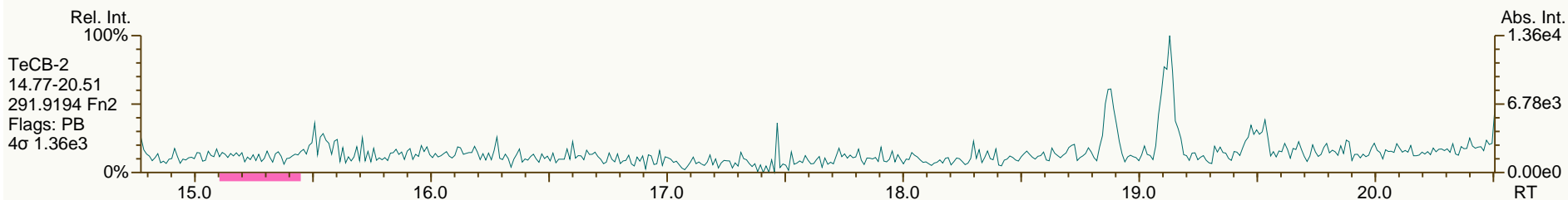
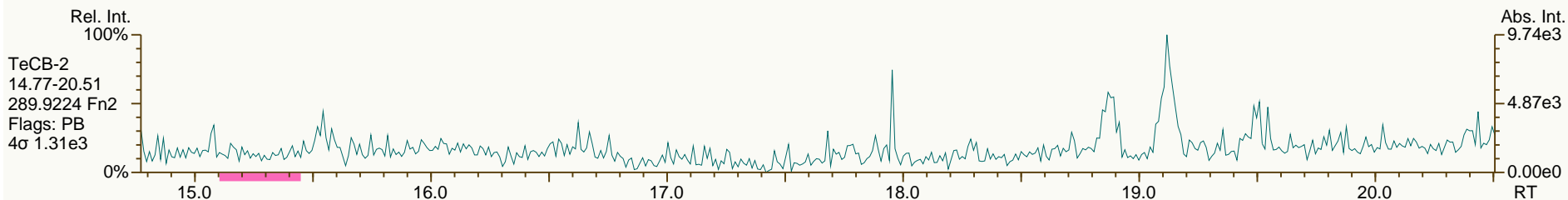
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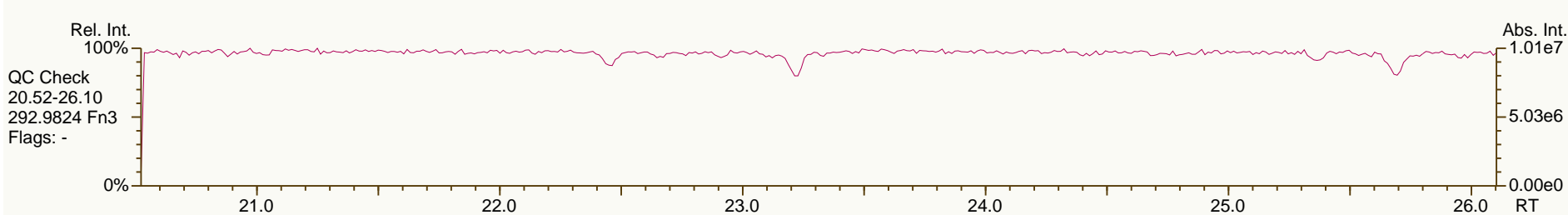
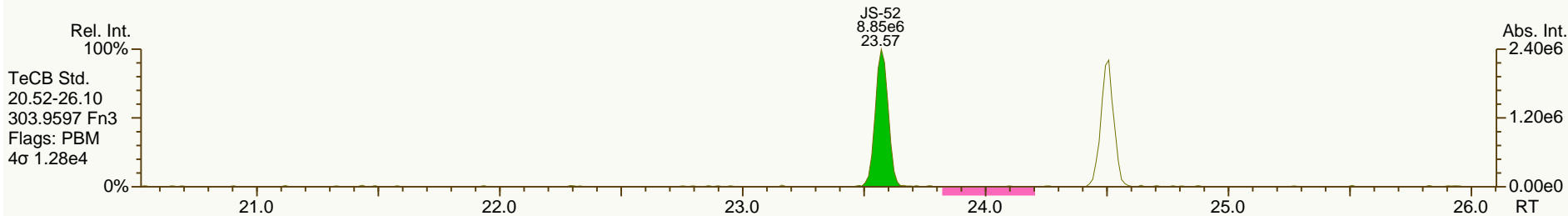
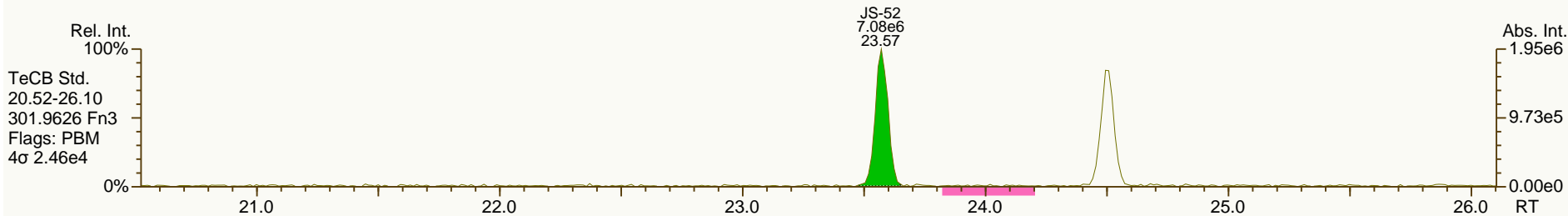
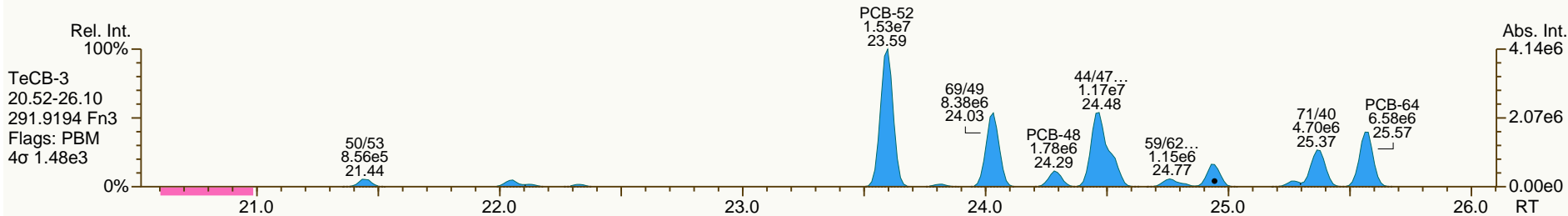
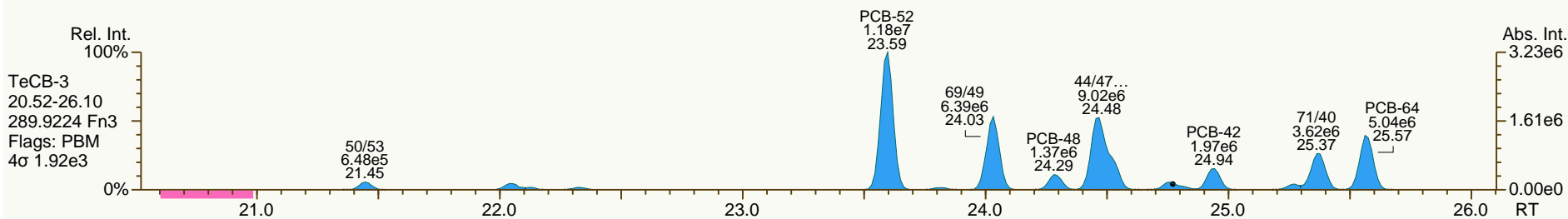
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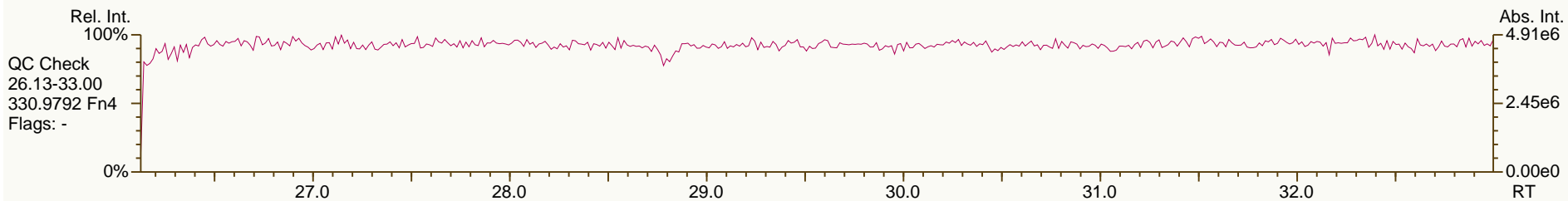
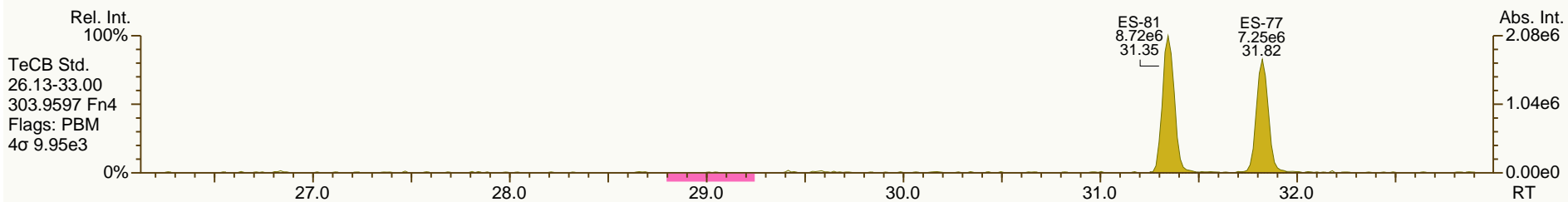
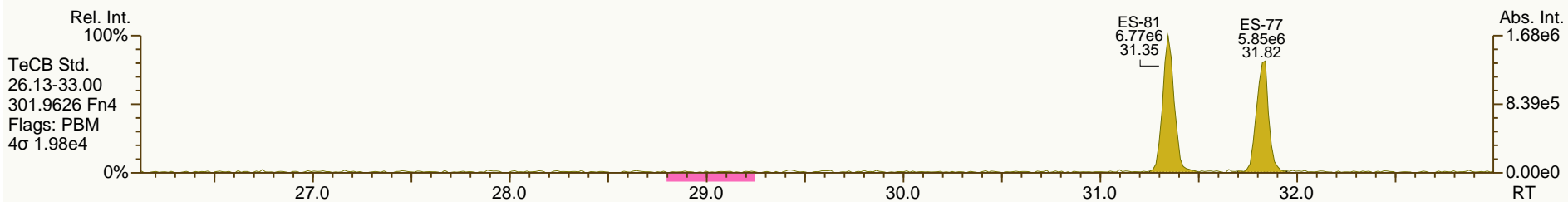
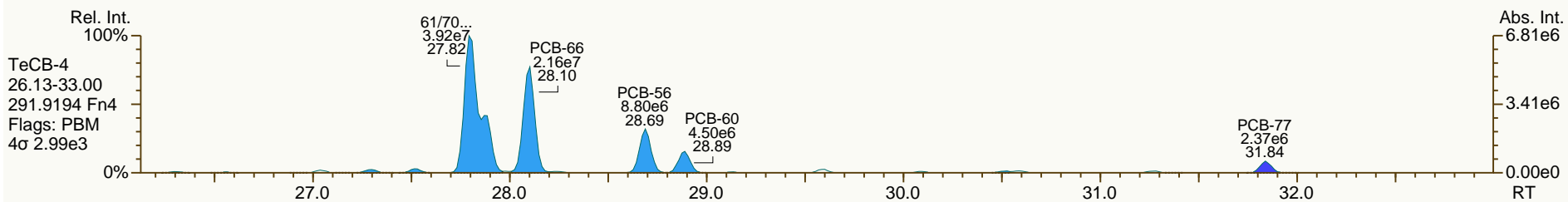
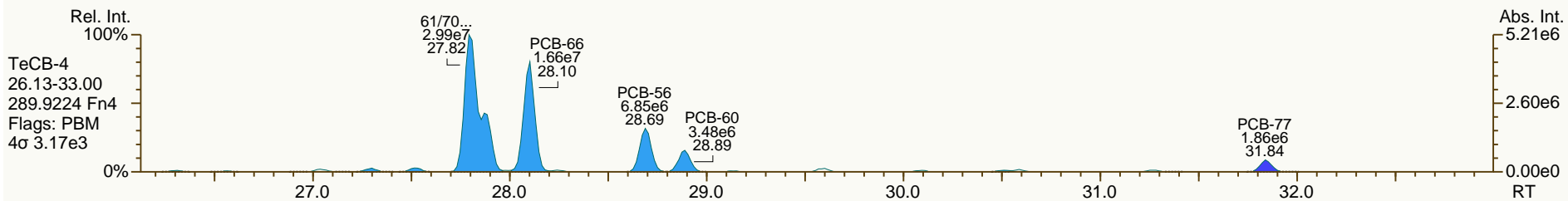
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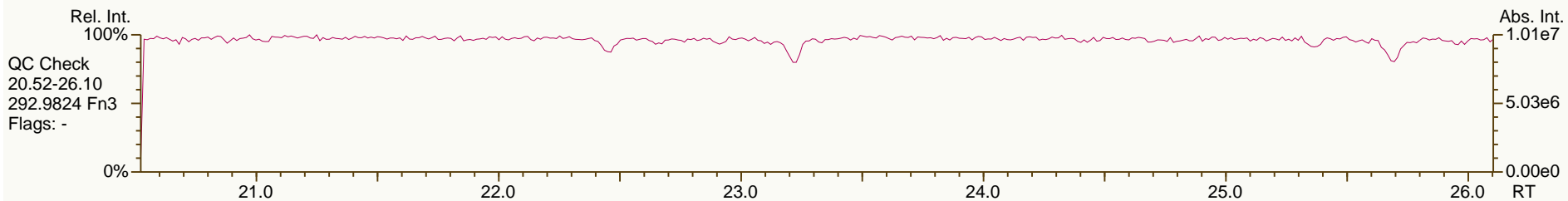
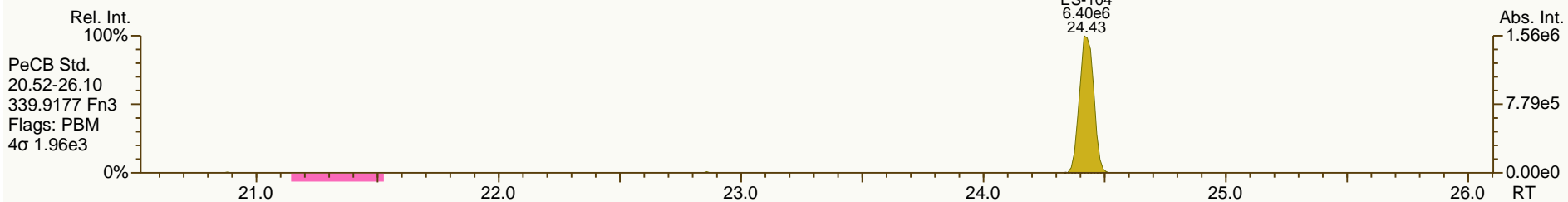
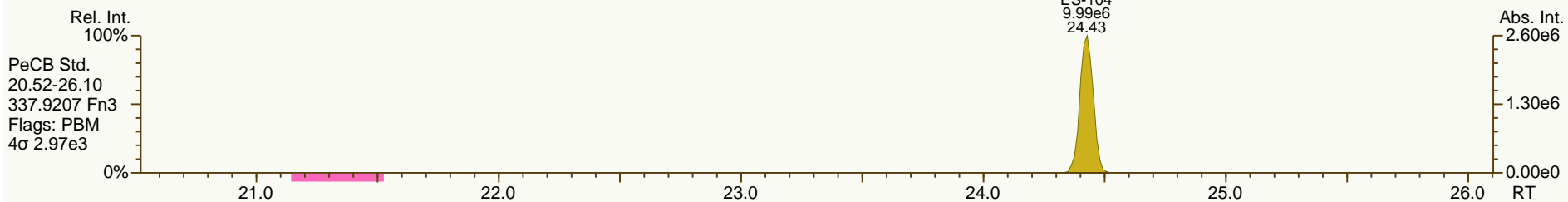
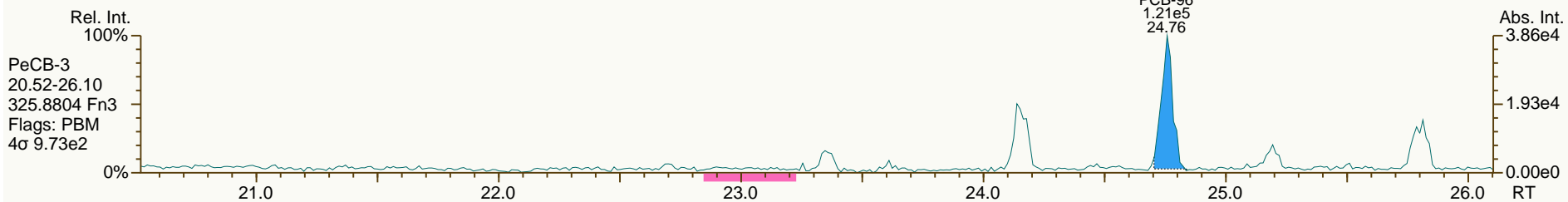
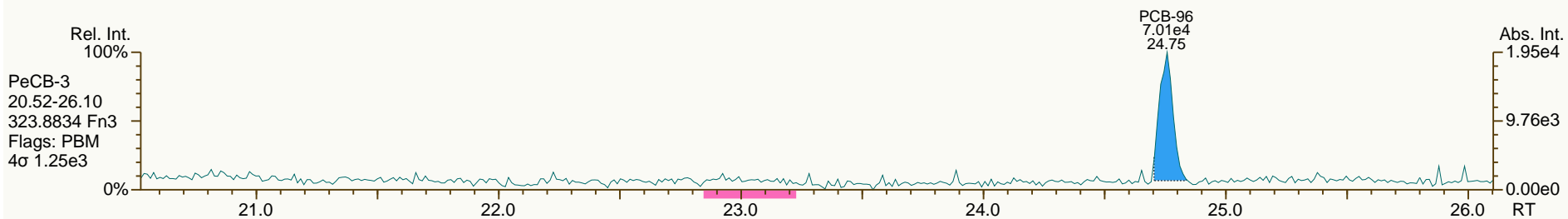
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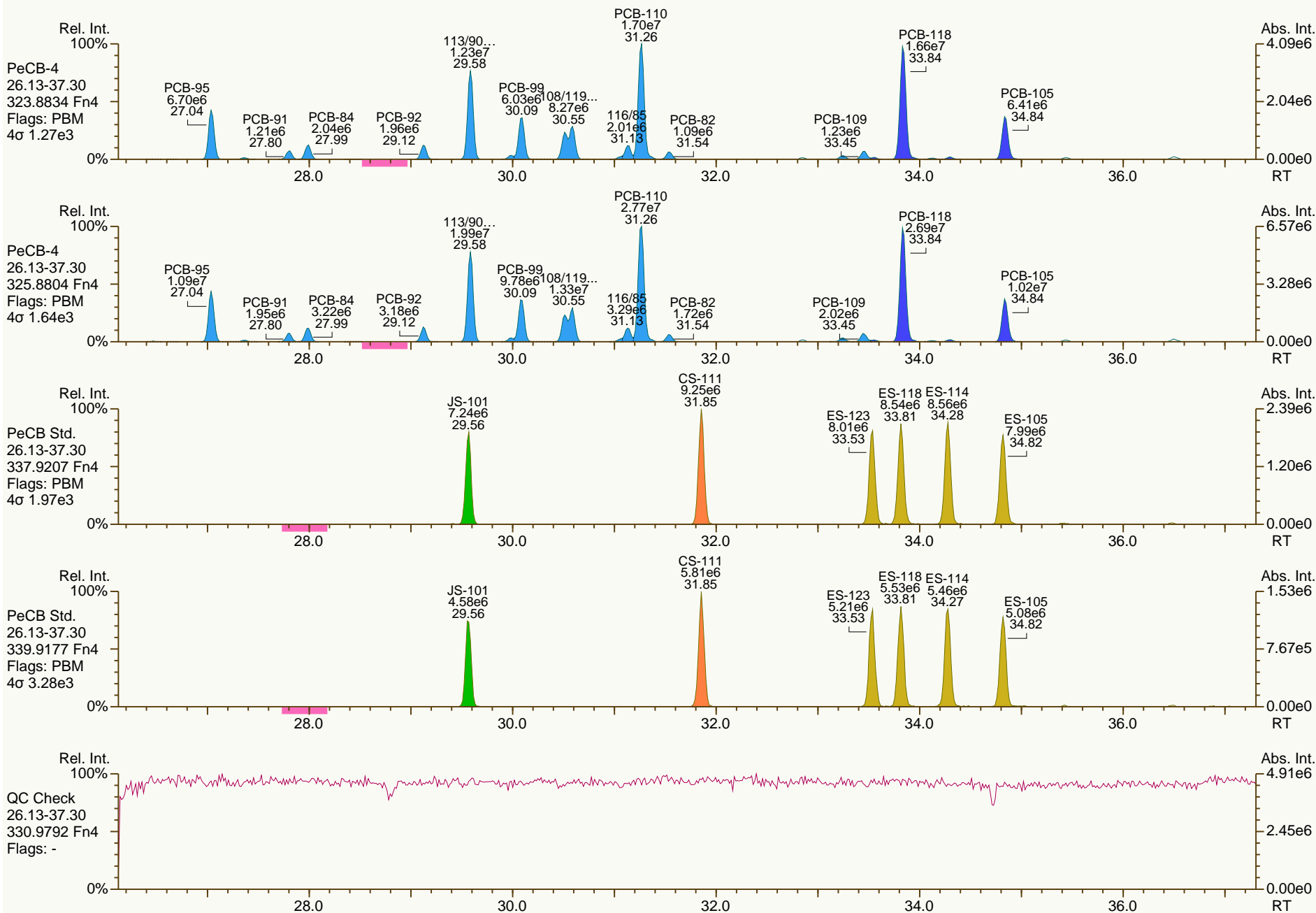
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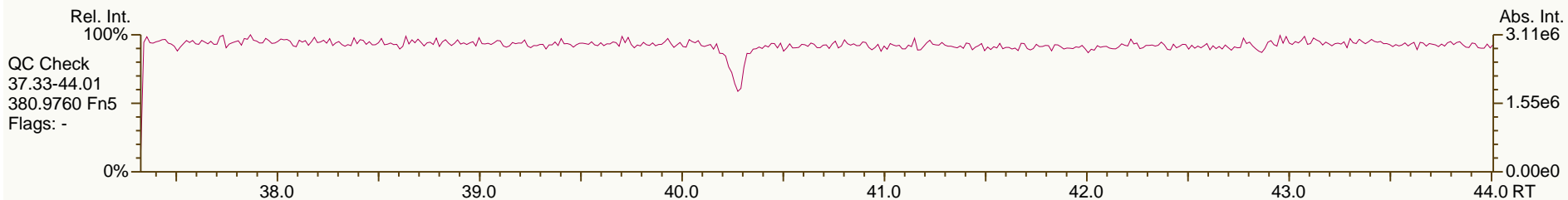
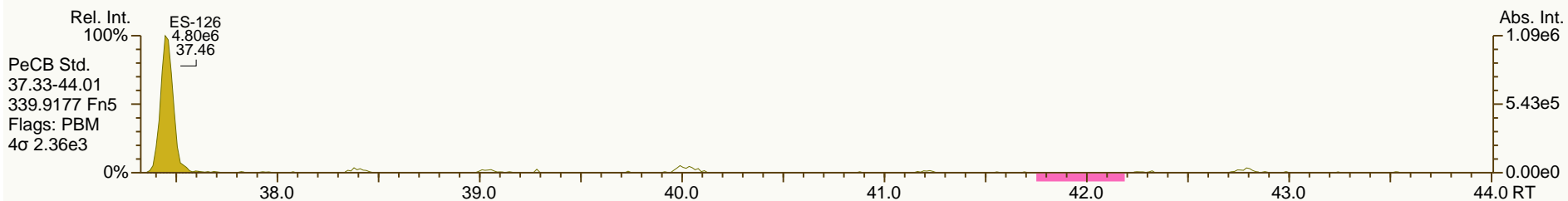
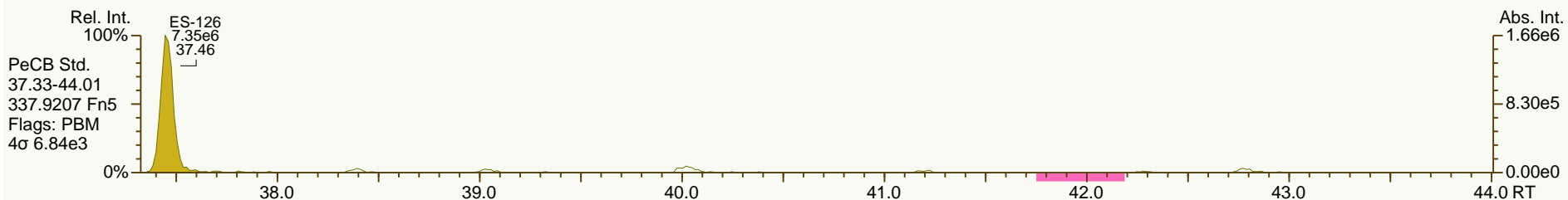
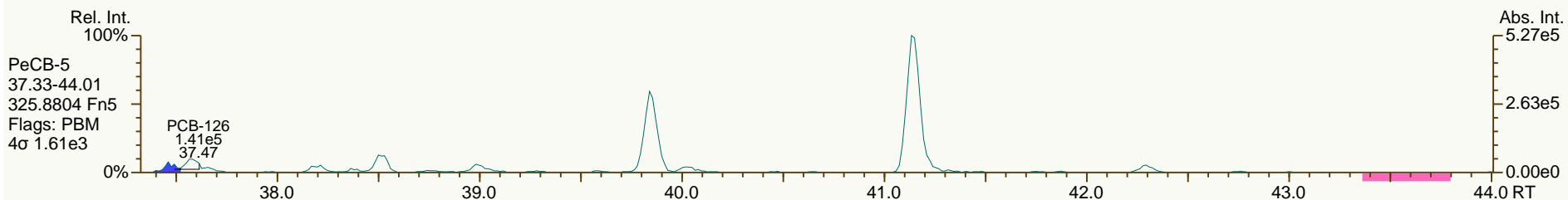
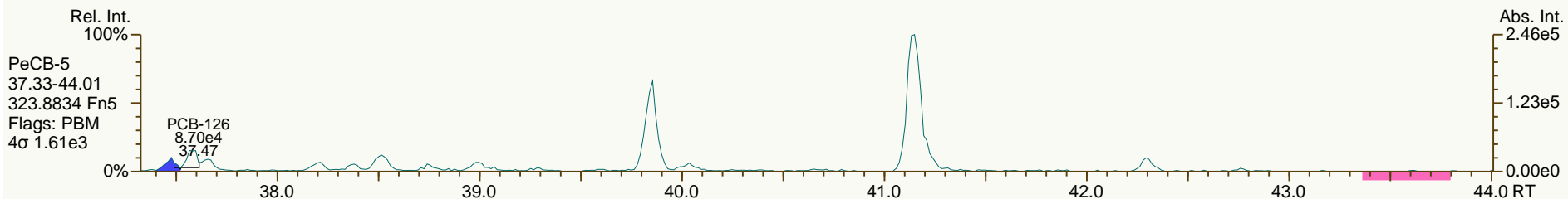
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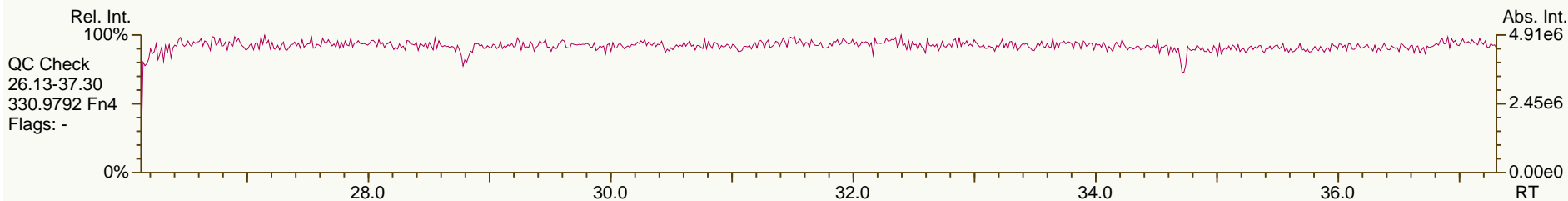
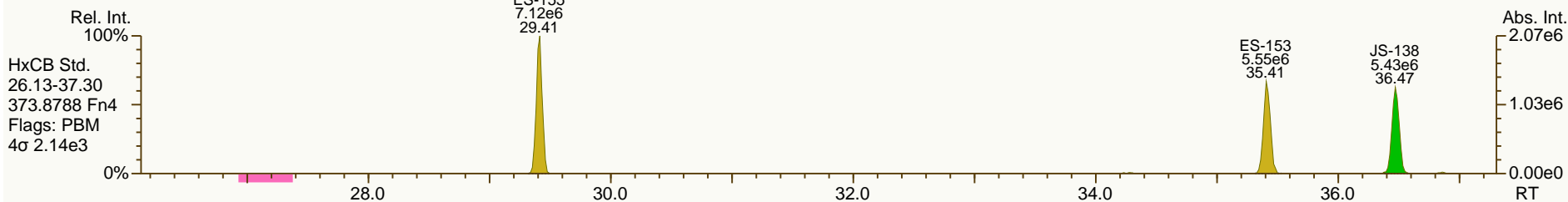
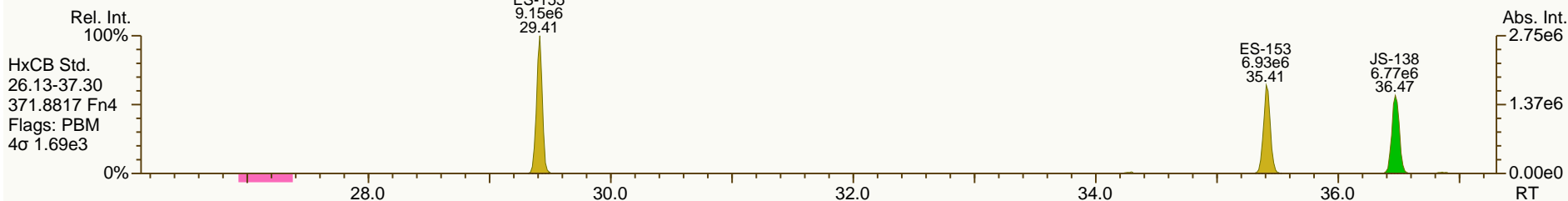
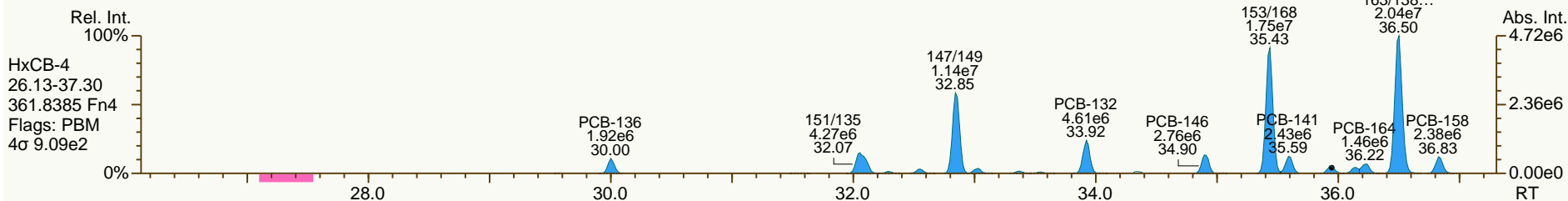
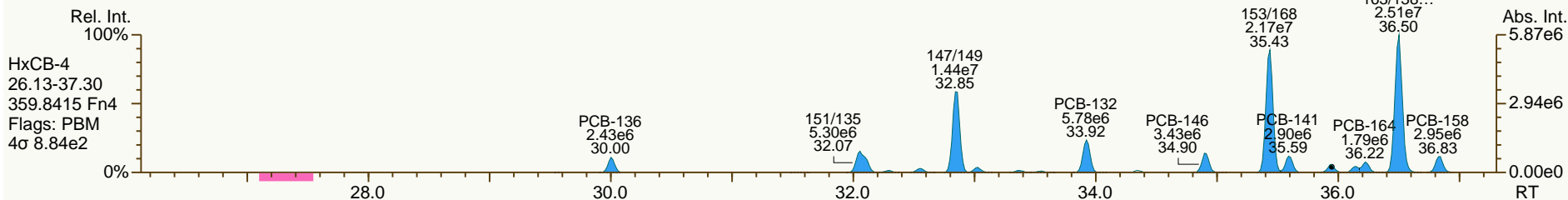
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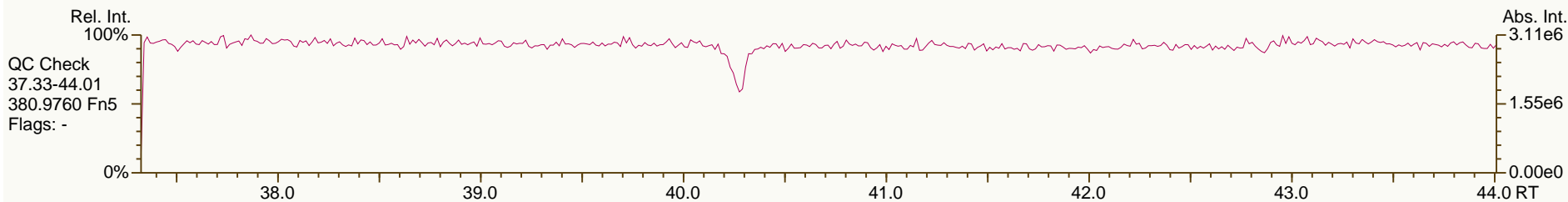
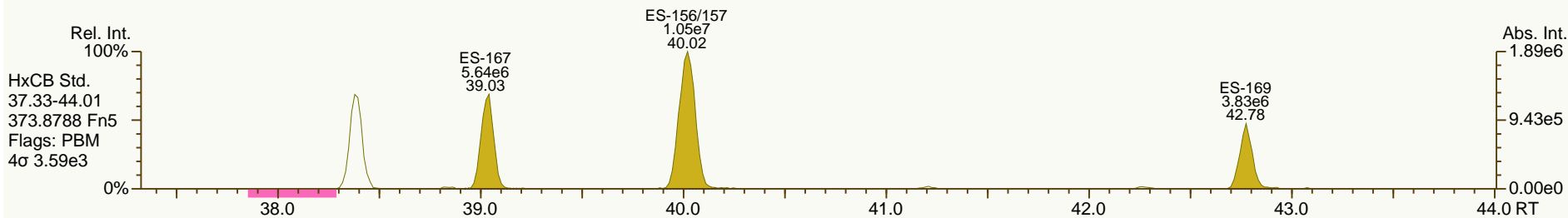
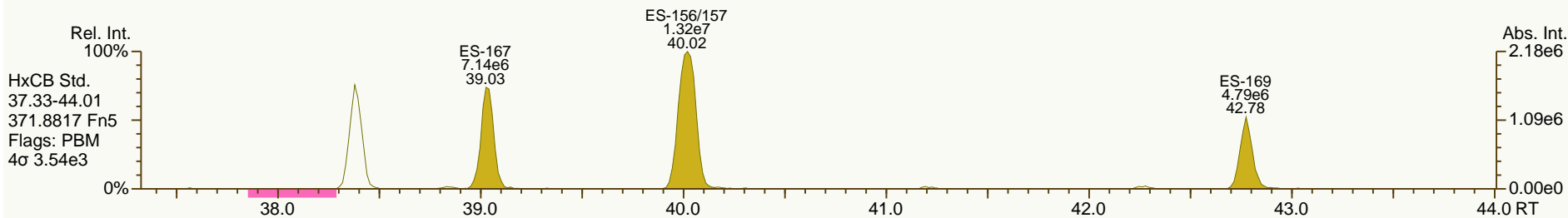
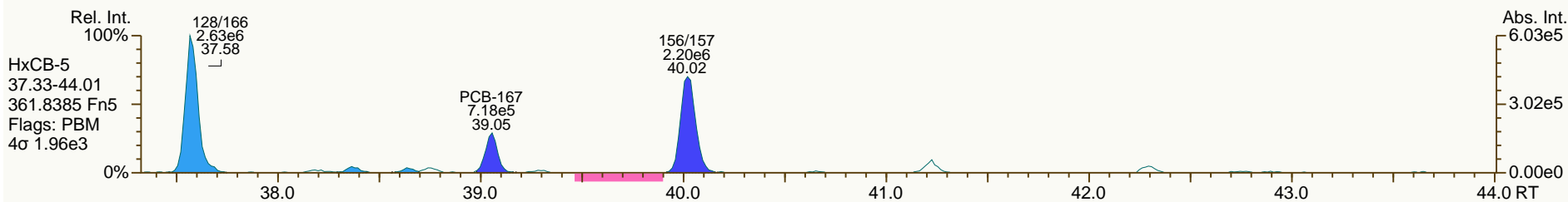
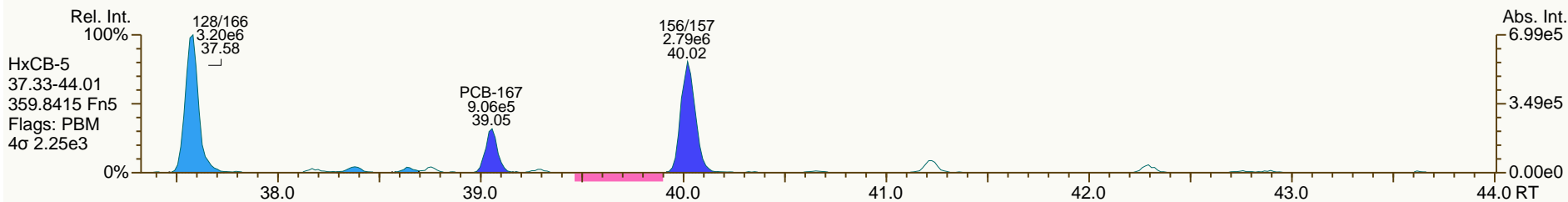
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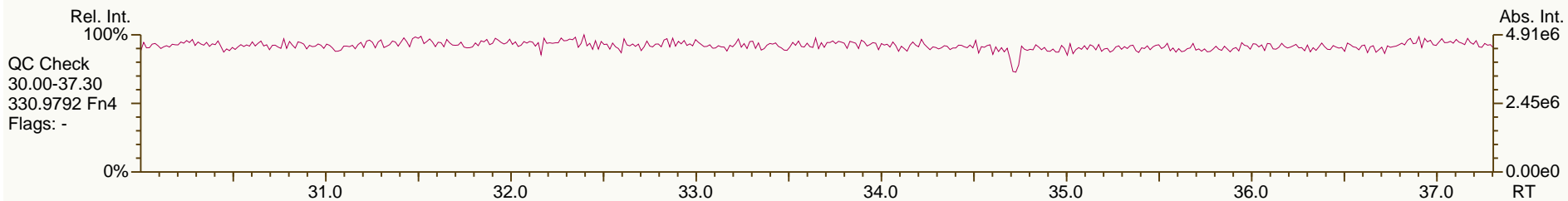
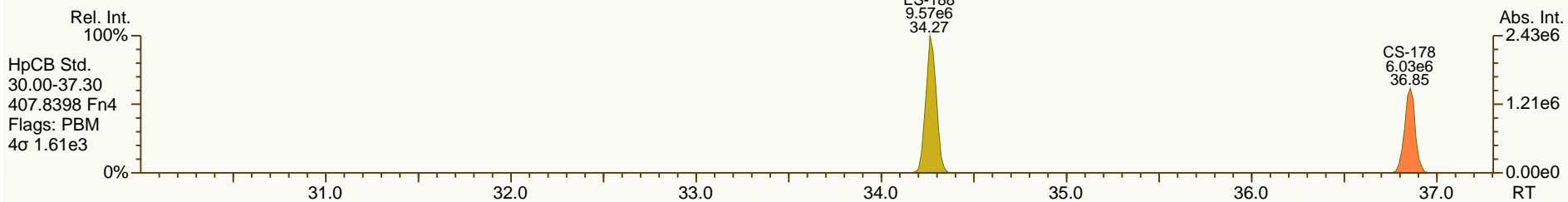
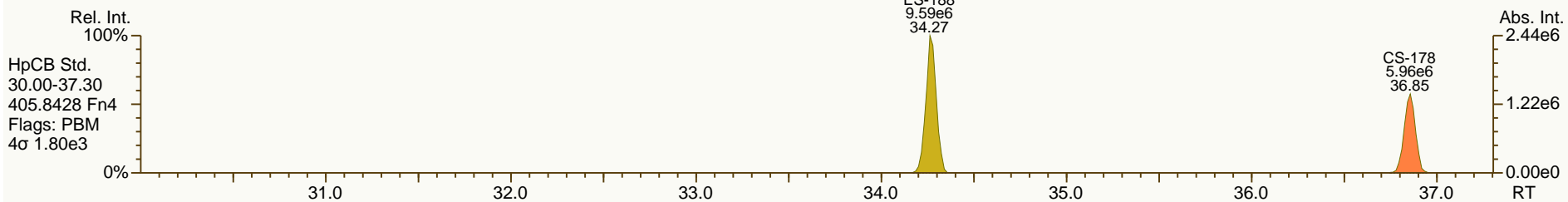
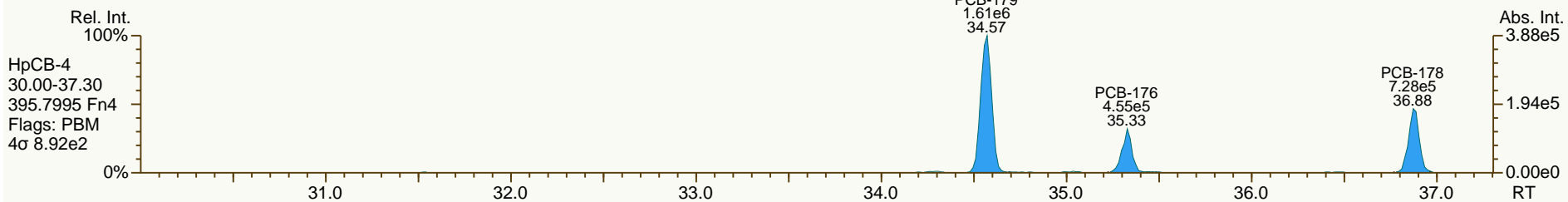
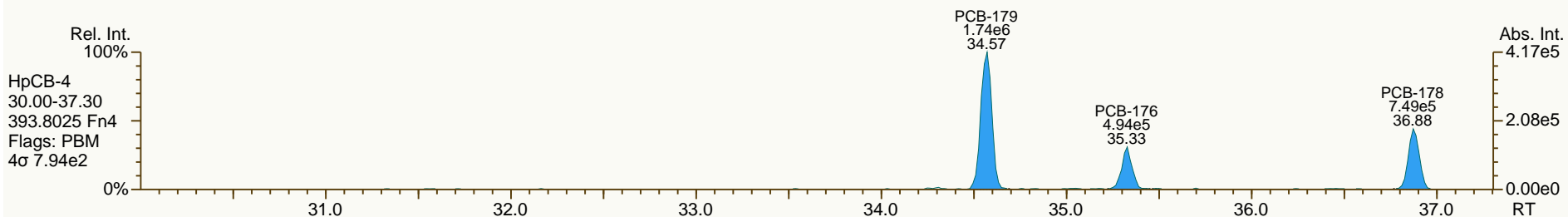
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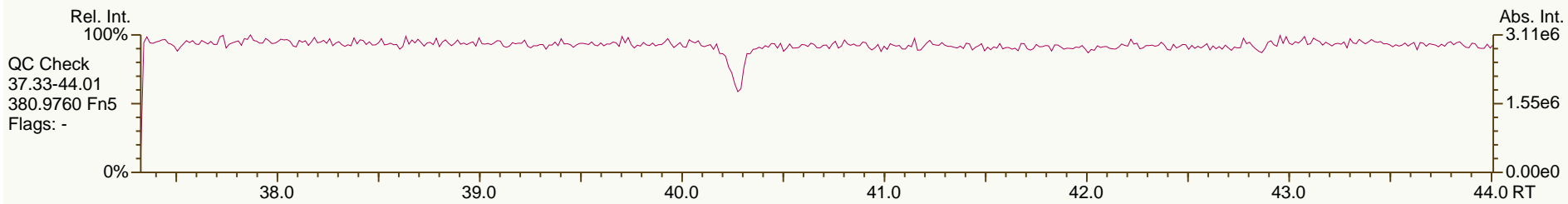
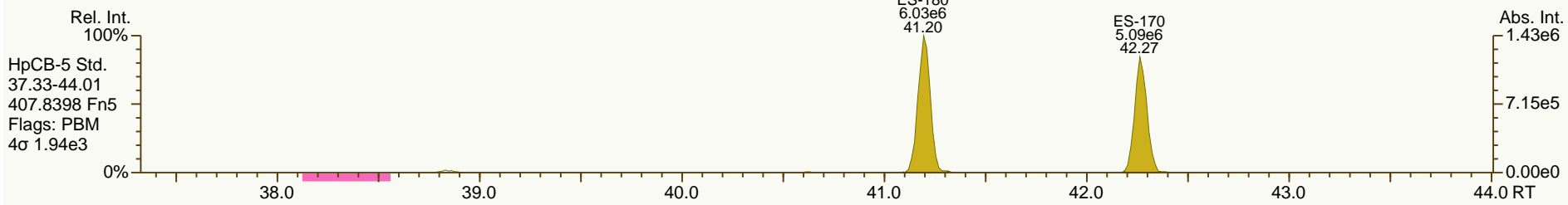
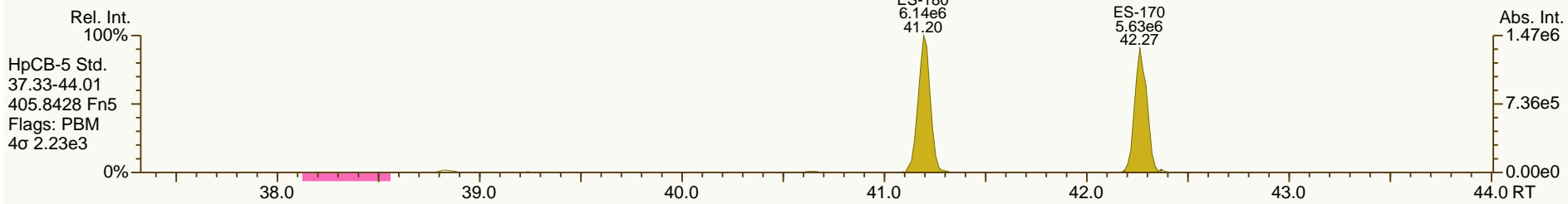
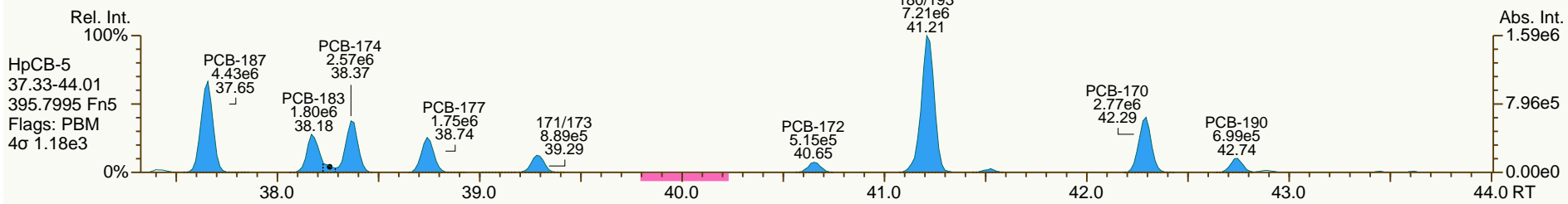
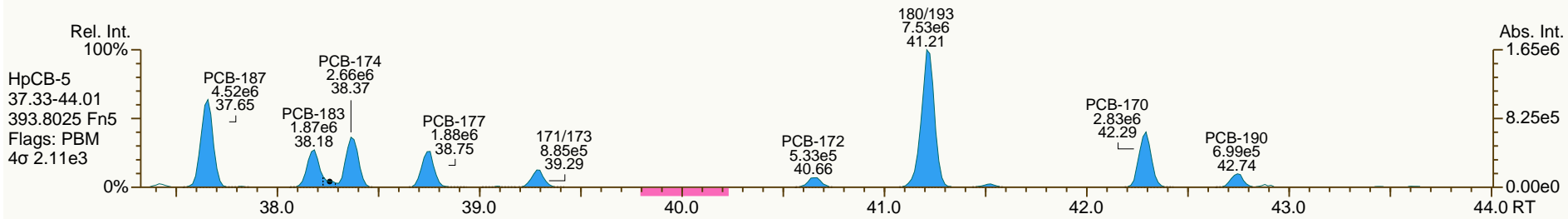
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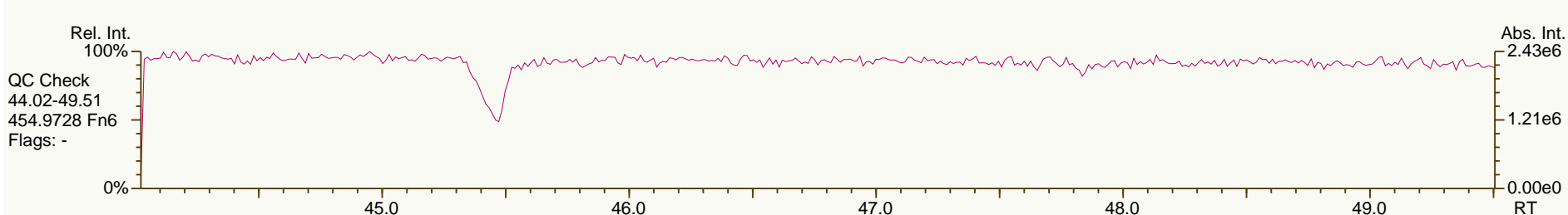
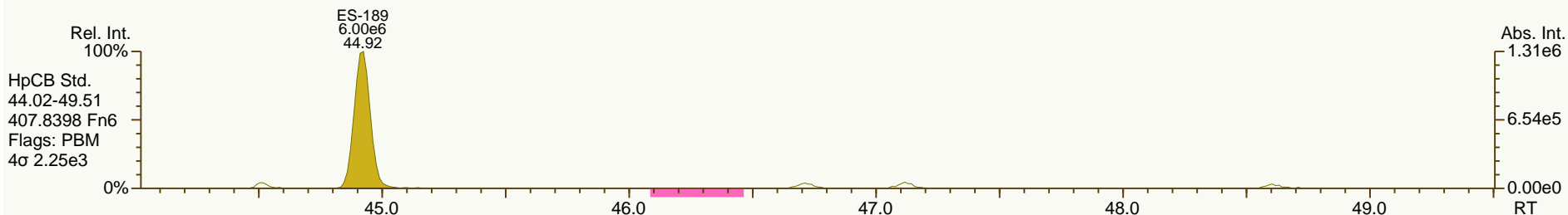
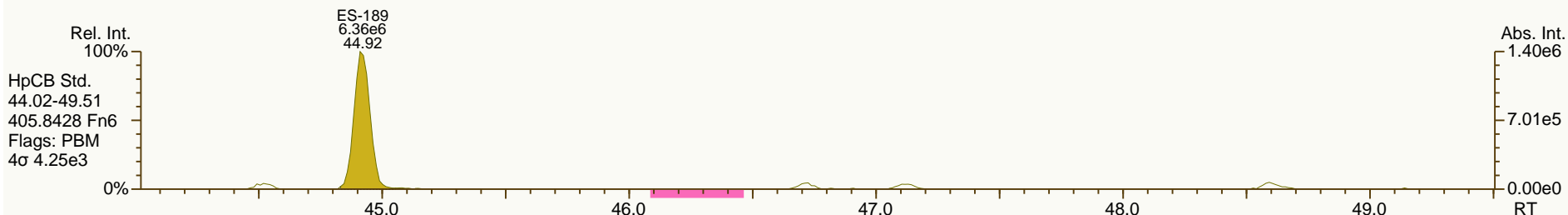
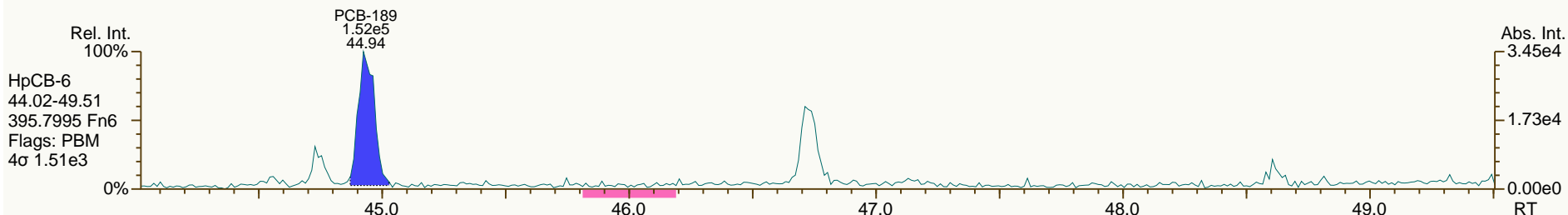
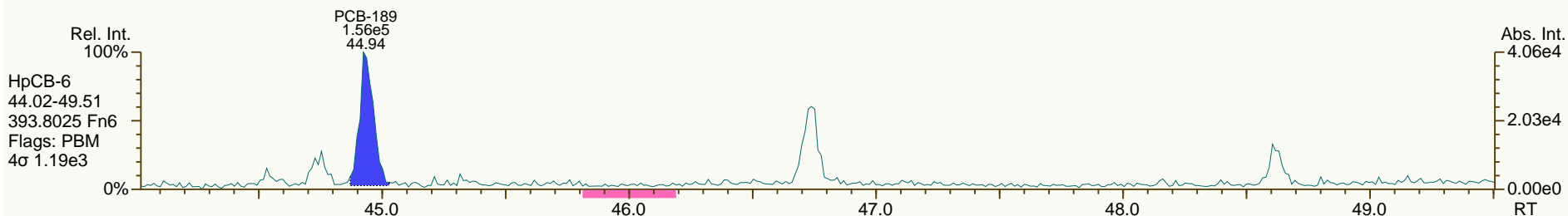
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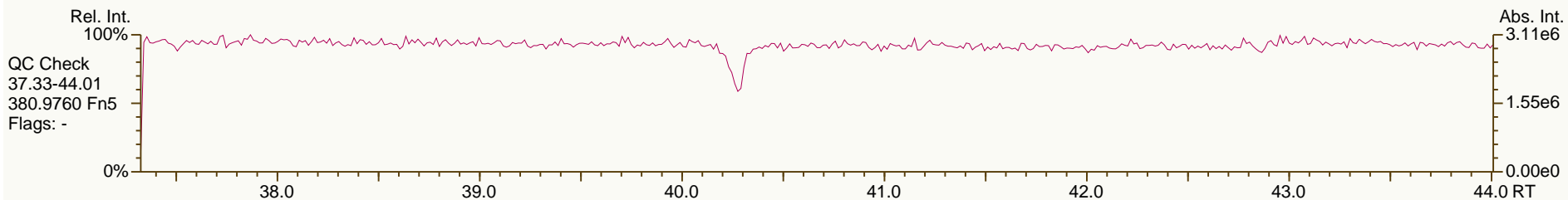
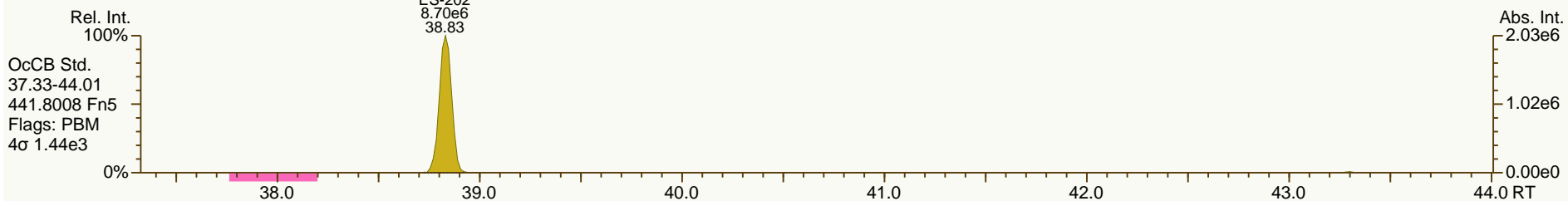
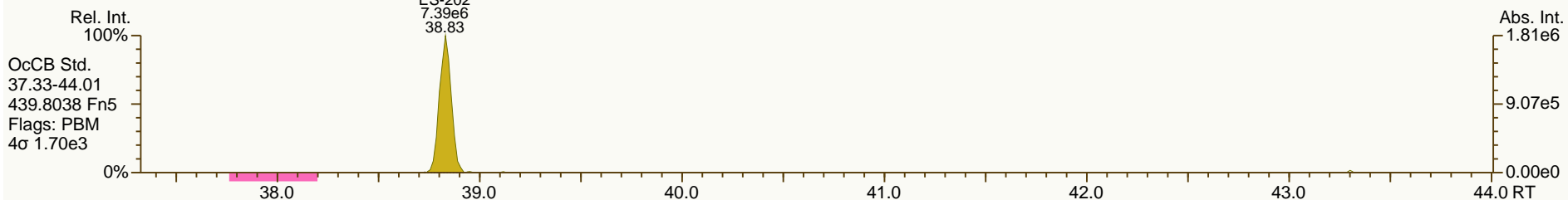
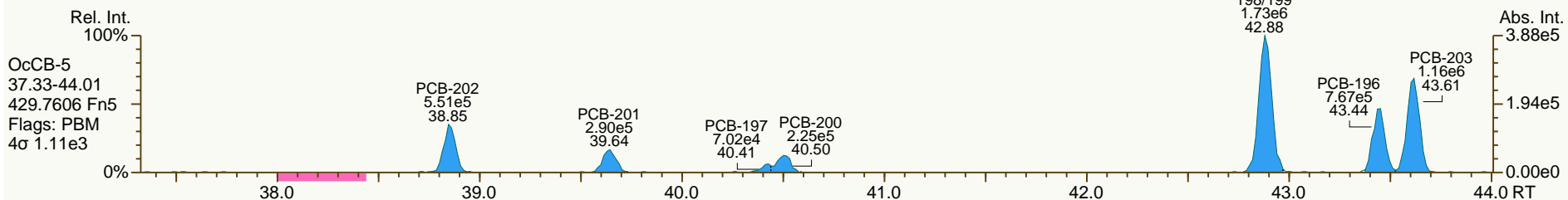
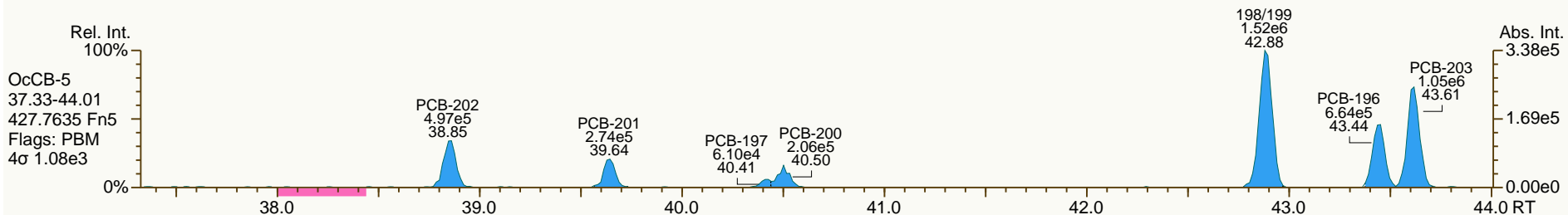
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 User: JLJ Datafile: 131002V14



SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

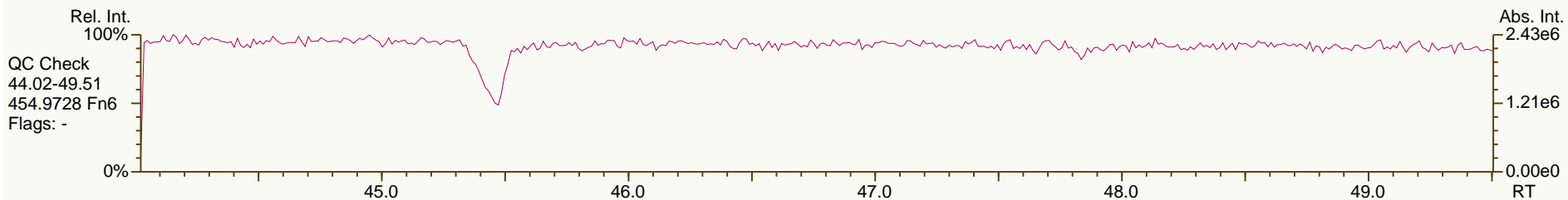
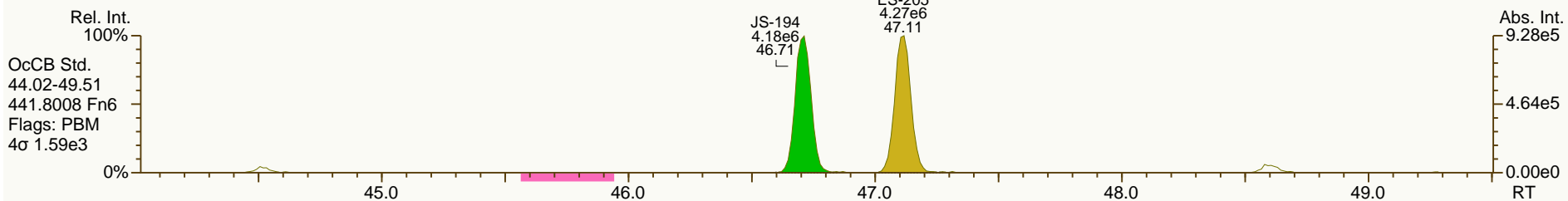
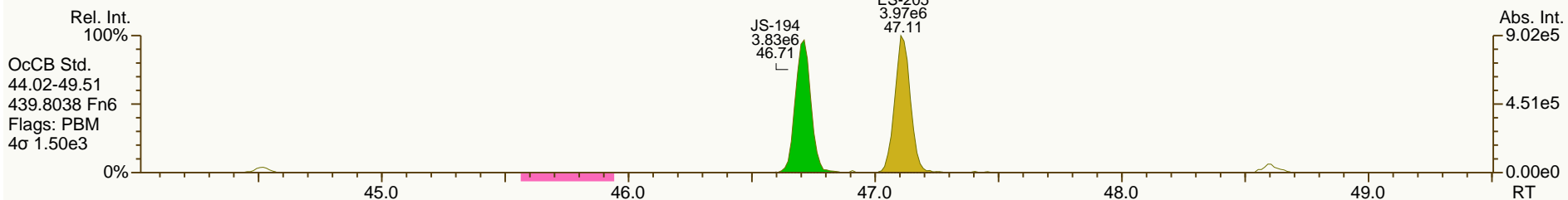
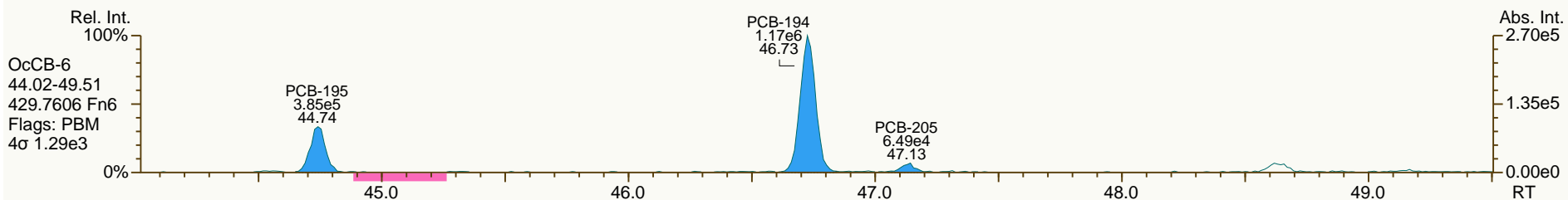
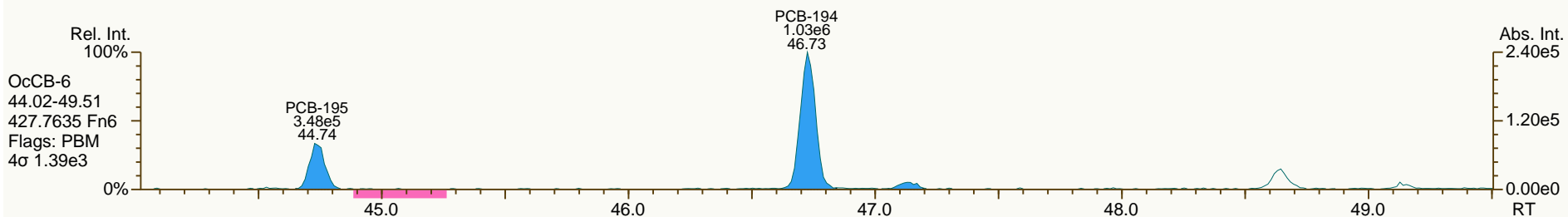
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SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

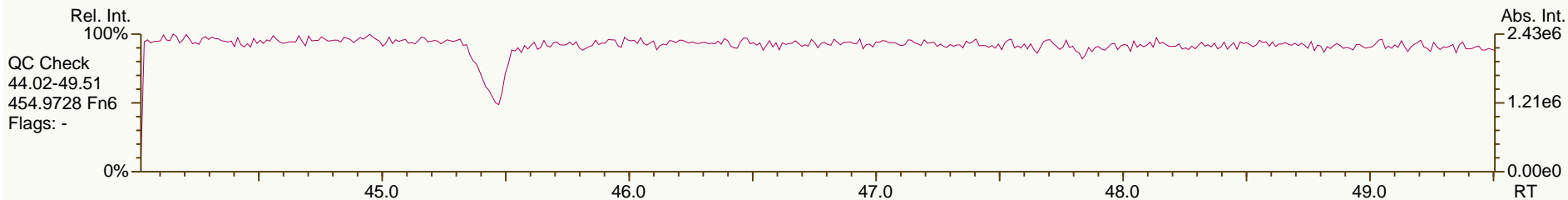
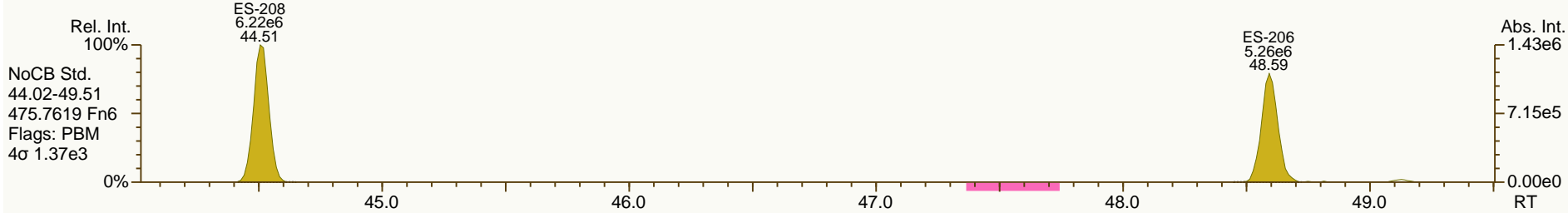
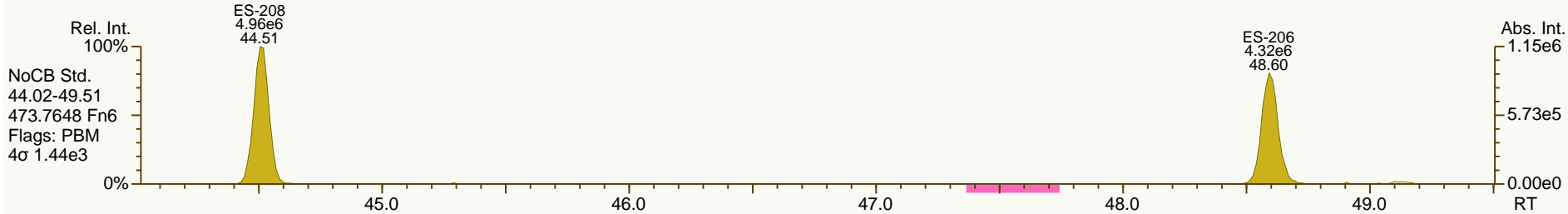
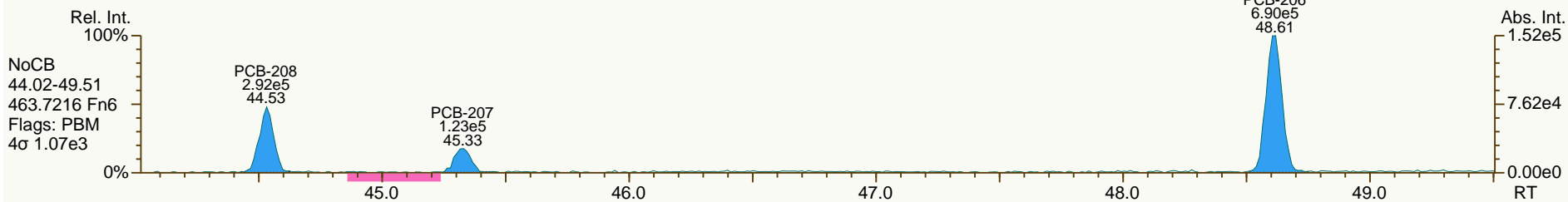
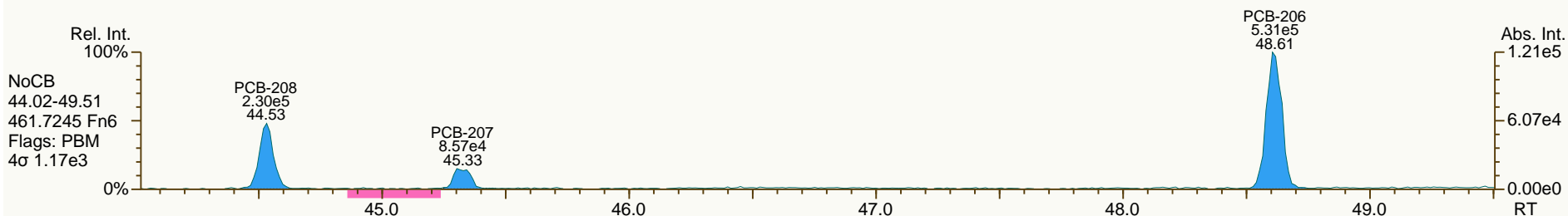
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SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

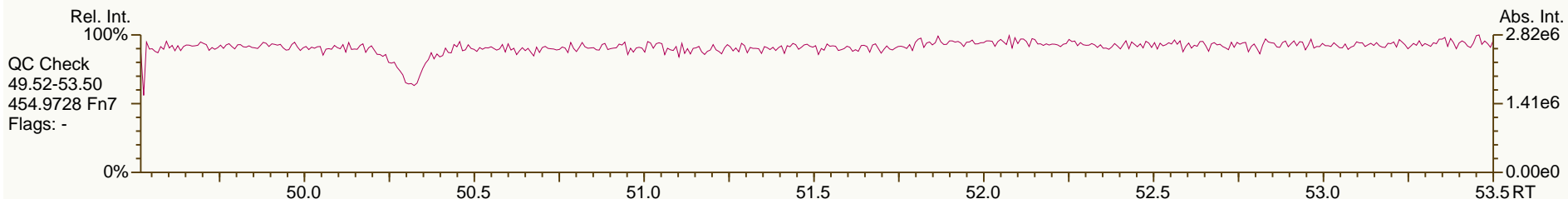
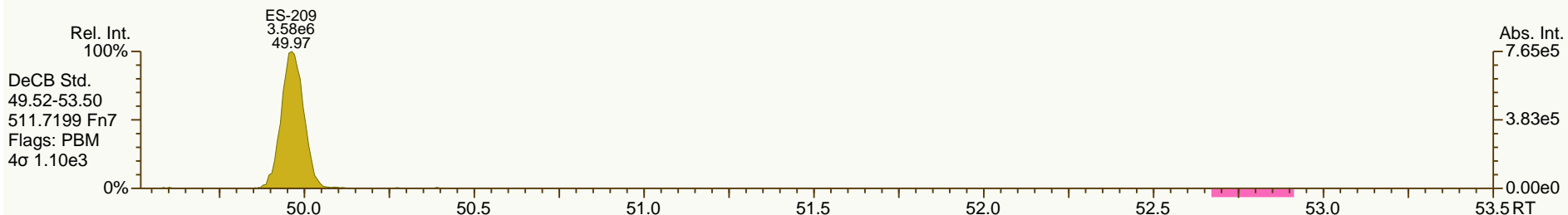
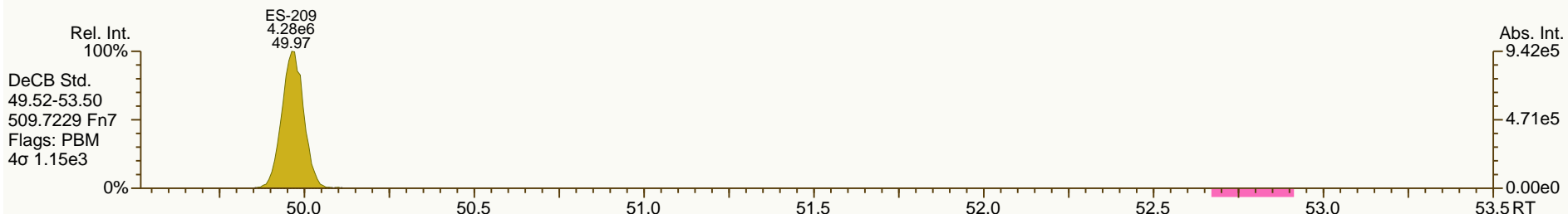
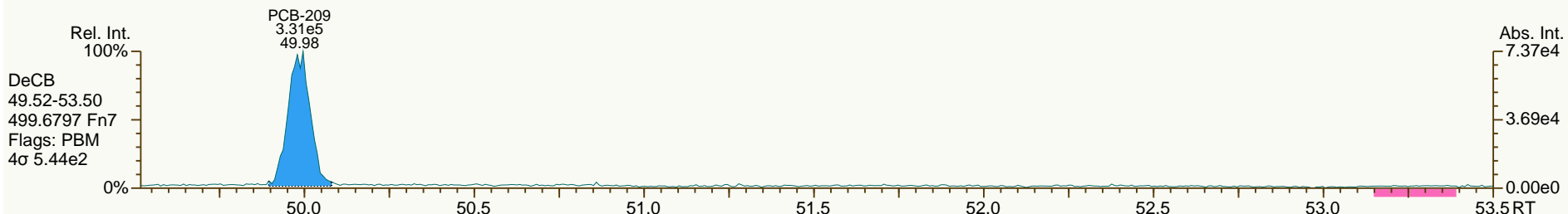
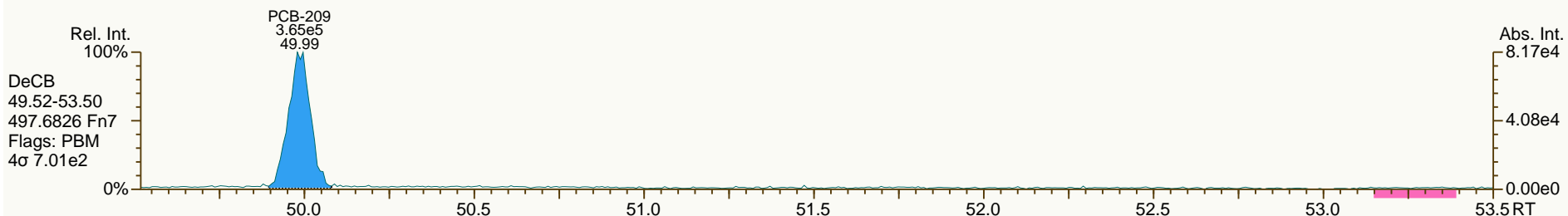
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SGS-AP ID: A5941_11356_PCB_002
 Instr: AutoSpec-Premier MM6

Sample ID: JW-301-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 46

Acq: 02-Oct-2013 16:20:38
 User: JLJ Datafile: 131002V14



Lab ID: A5941_11356_PCB_003

ACQ: 02-Oct-2013 17:15:55 JLJ

Wt/Vol: 10.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-307-130919

UTP: 14-Oct-2013 15:46 JLJ

J-level: 1 pg/g Split: 1

Checkcode: 510-841-WYD

Datafile: 131002V15

RPT: 14-Oct-2013 15:47 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.83		1.0007	1.0006	-0.2	2.58E+05	0.85	1.37	3.18	4.76E+03	0.628
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	4.76E+03	0.608
PCB-105 233'44'-PeCB	34.83		1.0007	1.0008	+0.2	2.42E+06	0.63	0.97	38.9	3.23E+03	0.561
PCB-114 2344'5'-PeCB	34.30		1.0007	1.0012	+1.0	1.12E+05	0.55	1.06	1.61	3.23E+03	0.501
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0009	+0.4	9.42E+06	0.61	1.00	145	3.23E+03	0.512
PCB-123 23'44'5'-PeCB	33.53	EMPC	1.0006	1.0006	0	1.13E+05	0.71	1.08	1.69	3.23E+03	0.505
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	3.11E+03	0.603
PCB-156/157 ...-HxCB	40.00	C	1.0005	1.0000	-1.2	5.44E+06	1.25	1.07	91	3.88E+03	0.958
PCB-167 23'44'55'-HxCB	39.03		1.0005	1.0005	0	2.39E+06	1.25	1.11	36.4	3.88E+03	0.598
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	3.88E+03	1.68
PCB-189 233'44'55'-HpCB	44.91		1.0004	1.0004	0	9.84E+05	1.11	1.10	15.3	2.23E+03	0.41
PCB-209 DeCB	49.95		1.0004	1.0004	0	4.21E+05	1.21	1.04	9.87	2.03E+03	0.537
ES PCB-1	11.21		0.7198	0.7210	+0.8	1.11E+07	3.25	0.95	53.5 %	25%	150%
ES PCB-3	13.39		0.8609	0.8612	+0.2	1.32E+07	3.25	0.85	71 %	25%	150%
ES PCB-4	13.63		0.8761	0.8765	+0.3	1.21E+07	1.53	0.67	83.2 %	25%	150%
ES PCB-15	19.21		1.2354	1.2350	-0.5	1.87E+07	1.60	0.94	91.2 %	25%	150%
ES PCB-19	16.62		1.0686	1.0686	0	1.03E+07	1.02	0.54	86.9 %	25%	150%
ES PCB-37	25.48		1.0819	1.0815	-0.6	1.47E+07	1.09	1.08	87.1 %	25%	150%
ES PCB-54	19.47		0.8267	0.8265	-0.2	1.39E+07	0.75	1.27	69.6 %	25%	150%
ES PCB-77	31.81		1.3503	1.3502	-0.2	1.18E+07	0.79	0.84	89.9 %	25%	150%
ES PCB-81	31.33		1.3301	1.3298	-0.6	1.37E+07	0.82	0.98	89.1 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.52E+07	1.56	1.69	76.6 %	25%	150%
ES PCB-105	34.80		1.1783	1.1783	0	1.28E+07	1.58	1.08	102 %	25%	150%
ES PCB-114	34.26		1.1599	1.1599	0	1.32E+07	1.58	1.11	101 %	25%	150%
ES PCB-118	33.79		1.1443	1.1443	0	1.30E+07	1.55	1.13	98 %	25%	150%
ES PCB-123	33.51		1.1348	1.1347	-0.2	1.25E+07	1.54	1.10	96.7 %	25%	150%
ES PCB-126	37.43		1.2676	1.2675	-0.2	1.04E+07	1.56	1.17	75.7 %	25%	150%
ES PCB-153	35.39		0.9709	0.9709	0	1.24E+07	1.25	1.19	80 %	25%	150%
ES PCB-155	29.36		0.8056	0.8055	-0.2	1.49E+07	1.31	1.80	66.1 %	25%	150%
ES PCB-156/157	40.00		1.0973	1.0973	0	2.24E+07	1.27	1.13	79.2 %	25%	150%
ES PCB-167	39.01		1.0702	1.0702	0	1.18E+07	1.29	1.20	78.2 %	25%	150%
ES PCB-169	42.75		1.1728	1.1728	0	4.89E+06	1.26	1.00	39.2 %	25%	150%
ES PCB-170	42.24		0.9050	0.9051	+0.3	1.02E+07	1.03	1.24	85.3 %	25%	150%
ES PCB-180	41.17		0.8820	0.8821	+0.2	1.27E+07	1.06	1.51	87.8 %	25%	150%
ES PCB-188	34.25		0.7338	0.7338	0	1.81E+07	0.98	2.06	70.2 %	25%	150%
ES PCB-189	44.89		0.9618	0.9617	-0.3	1.17E+07	1.02	1.78	79.5 %	25%	150%
ES PCB-202	38.81		0.8315	0.8315	0	1.58E+07	0.87	1.66	76.1 %	25%	150%
ES PCB-205	47.08		1.0086	1.0086	0	8.12E+06	0.88	1.22	80.9 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	8.99E+06	0.77	1.23	88.2 %	25%	150%
ES PCB-208	44.48		0.9530	0.9530	0	1.13E+07	0.79	1.60	85.5 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	8.22E+06	1.14	1.31	76.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.12	1.25	95.2 %	30%	135%
SS PCB-111	31.83		1.0780	1.0779	-0.2	1.43E+07	1.62	1.15	99.3 %	30%	135%
SS PCB-178	36.83		1.0104	1.0105	+0.2	1.12E+07	1.05	0.54	114 %	30%	135%
CS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.12	1.34	83.2 %	30%	135%
CS PCB-111	31.83		1.0780	1.0779	-0.2	1.43E+07	1.62	1.27	96.1 %	30%	135%
CS PCB-178	36.83		1.0104	1.0105	+0.2	1.12E+07	1.05	1.11	80.4 %	30%	135%
JS PCB-9	15.55					2.18E+07	1.57				
JS PCB-52	23.56					1.57E+07	0.79				
JS PCB-101	29.53					1.17E+07	1.50				
JS PCB-138	36.45					1.25E+07	1.27				
JS PCB-194	46.68					8.26E+06	0.93				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			37.1		37.1		0.382	
			Di-CBs			17.9		17.9		0.611	
			Tri-CBs			29.3		29.3		0.535	
			Tetra-CBs			131		131		0.482	
			Penta-CBs			1,540		1,540		0.483	
			Hexa-CBs			5,410		5,410		0.859	
			Hepta-CBs			2,990		2,990		0.552	
			Octa-CBs			430		430		0.494	
			Nona-CBs			27.4		27.4		0.572	
PCB-1 2-MoCB	11.22		1.0011	1.0009	-0.1	7.61E+05	2.97	1.19	11.5	3.95E+03	0.392
PCB-2 3-MoCB	13.23		0.9878	0.9875	-0.2	1.78E+05	3.01	1.19	2.27	3.95E+03	0.39
PCB-3 4-MoCB	13.41		1.0010	1.0010	0	1.91E+06	3.06	1.24	23.3	3.95E+03	0.373
PCB-4 22'-DiCB	13.65		1.0011	1.0013	+0.2	5.44E+04	SI	0.88	1.02	5.59E+03	0.745
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	5.59E+03	0.479
PCB-9 25-DiCB	15.56	J	1.0010	1.0008	-0.2	6.50E+04	SI	0.85	0.813	4.84E+03	0.565
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	4.84E+03	0.507
PCB-6 23'-DiCB	15.94		1.0255	1.0251	-0.4	1.11E+05	SI	0.90	1.32	4.84E+03	0.536
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	4.84E+03	0.53
PCB-8 24'-DiCB	16.36		1.0519	1.0517	-0.2	4.24E+05	SI	0.94	4.85	4.84E+03	0.516
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.84E+03	0.442
PCB-11 33'-DiCB	18.65	B	0.9712	0.9712	0	4.52E+05	SI	0.91	5.34	4.84E+03	0.533
PCB-13/12 34'/34-DiCB	18.93	J C	0.9862	0.9857	-0.6	9.17E+04	SI	0.91	1.07	4.84E+03	0.529
PCB-15 44'-DiCB	19.22		1.0007	1.0007	0	3.28E+05	SI	1.01	3.46	4.84E+03	0.476
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	3.77E+03	0.659
PCB-30/18 246/22'5-TrCB	18.37	C	1.1054	1.1057	+0.3	1.78E+05	0.94	1.18	2.94	3.77E+03	0.518
PCB-17 22'4-TrCB	18.76		1.1291	1.1290	-0.1	7.93E+04	0.91	1.02	1.5	3.77E+03	0.595
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.77E+03	0.452
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.77E+03	0.459
PCB-16 22'3-TrCB	19.18		1.1538	1.1539	+0.1	6.68E+04	0.95	0.76	1.71	3.77E+03	0.805

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1827	+0.1	8.38E+04	1.09	1.46	1.11	3.77E+03	0.416
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	4.00E+03	0.412
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	4.00E+03	0.4
PCB-26/29 23'5'/245-TrCB	21.20	J C	0.8329	0.8322	-0.9	8.07E+04	1.14	1.37	0.804	4.00E+03	0.407
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	4.00E+03	0.39
PCB-31 24'5-TrCB	21.70		0.8514	0.8515	+0.1	5.80E+05	1.11	1.44	5.49	4.00E+03	0.386
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	7.35E+05	0.99	1.33	7.52	4.00E+03	0.418
PCB-21/33 234/23'4'-TrCB	22.18	C	0.8692	0.8703	+1.5	2.72E+05	1.10	1.39	2.67	4.00E+03	0.401
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	1.87E+05	1.00	1.29	1.98	4.00E+03	0.431
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	4.00E+03	0.404
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	4.00E+03	0.39
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	4.00E+03	0.434
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	4.00E+03	0.462
PCB-37 344'-TrCB	25.50		1.0008	1.0009	+0.2	3.55E+05	1.01	1.35	3.56	4.00E+03	0.41
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.46E+03	0.288
PCB-50/53 22'46/22'56'-TeCB	21.44	J C	0.9113	0.9102	-1.4	9.54E+04	0.86	0.93	1.49	2.66E+03	0.438
PCB-45 22'36-TeCB	22.05		0.9357	0.9360	+0.4	7.41E+04	0.81	0.79	1.37	2.66E+03	0.517
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.66E+03	0.42
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.66E+03	0.526
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	2.83E+06	0.76	0.91	45.4	2.66E+03	0.449
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.66E+03	0.357
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.66E+03	0.493
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0193	+0.9	5.30E+05	0.81	1.09	7.07	2.66E+03	0.373
PCB-48 22'45-TeCB	24.27		1.0304	1.0304	0	7.27E+04	0.69	0.91	1.17	2.66E+03	0.449
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0383	-1.9	7.27E+05	0.78	0.97	10.9	2.66E+03	0.42
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0502	-1.5	4.08E+04	0.72	1.22	0.487	2.66E+03	0.334
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	1.20E+05	0.68	0.87	2.02	2.66E+03	0.471
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.66E+03	0.532
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0761	-0.2	2.27E+05	0.88	0.93	3.56	2.66E+03	0.439
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	3.75E+05	0.76	1.32	4.16	2.66E+03	0.31
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	4.76E+03	0.662
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	4.76E+03	0.55
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	4.76E+03	0.613
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	4.76E+03	0.594
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	4.76E+03	0.565
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	4.76E+03	0.547
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8867	+0.5	2.33E+06	0.74	1.23	27.6	4.76E+03	0.595
PCB-66 23'44'-TeCB	28.06		0.8953	0.8956	+0.5	1.06E+06	0.76	1.16	13.4	4.76E+03	0.632
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	4.76E+03	0.625
PCB-56 233'4'-TeCB	28.64		0.9138	0.9140	+0.3	4.79E+05	0.80	1.15	6.07	4.76E+03	0.634
PCB-60 2344'-TeCB	28.82		0.9199	0.9200	+0.2	2.46E+05	0.75	1.18	3.04	4.76E+03	0.62
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	4.76E+03	0.531
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	4.76E+03	0.543
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	4.76E+03	0.676
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.97E+03	0.213
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.97E+03	0.245
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	3.23E+03	0.674
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	3.23E+03	0.789

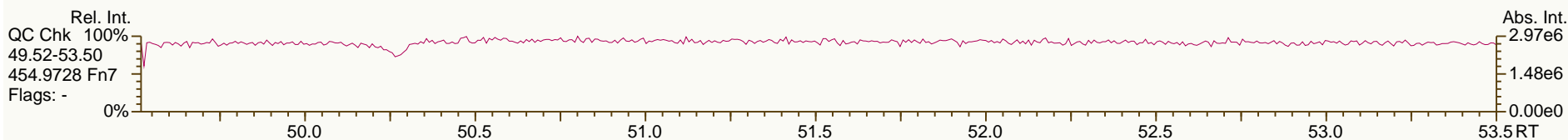
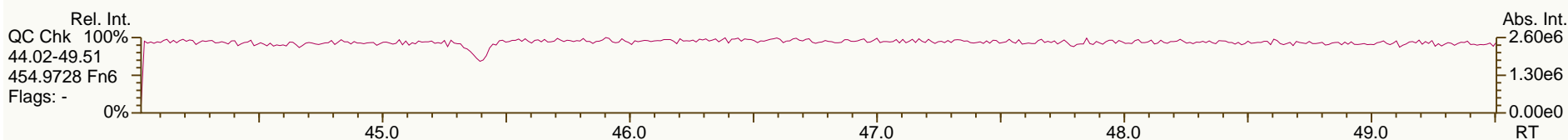
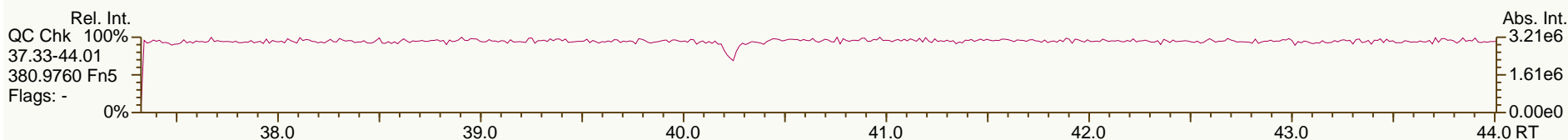
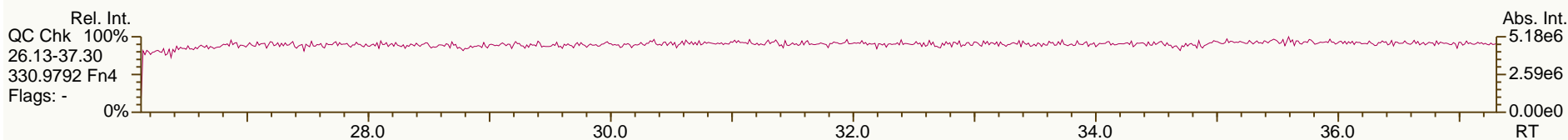
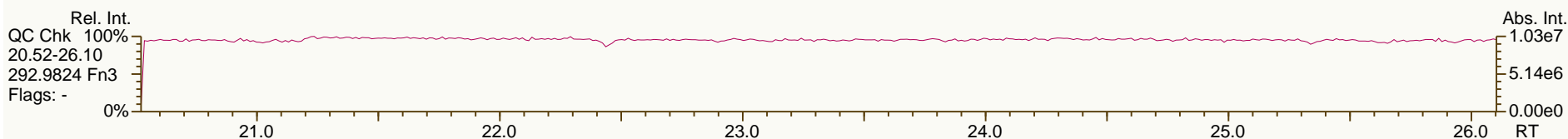
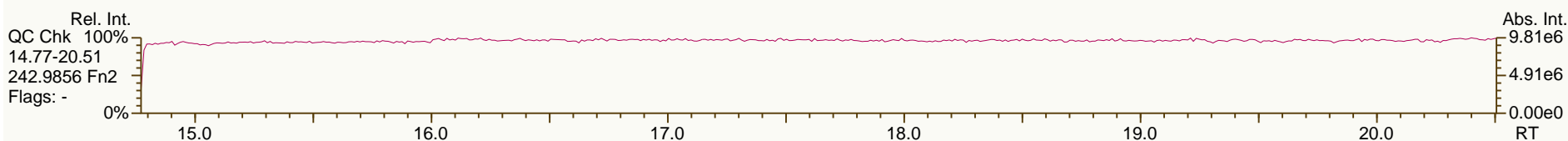
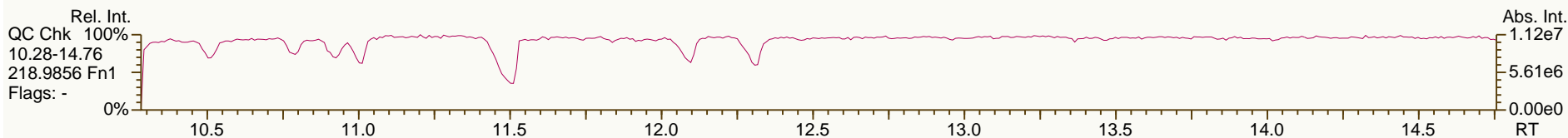
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PCB-95 22'35'6-PeCB	27.01		0.9145	0.9145	0	1.75E+07	0.61	0.74	377	3.23E+03	0.732
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	3.23E+03	0.722
PCB-102 22'456'-PeCB	27.34		0.9256	0.9256	0	7.42E+04	0.69	0.86	1.39	3.23E+03	0.636
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	3.23E+03	0.8
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	3.23E+03	0.793
PCB-91 22'34'6-PeCB	27.77		0.9401	0.9402	+0.2	3.57E+05	0.59	0.87	6.6	3.23E+03	0.629
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	1.35E+06	0.61	0.64	33.7	3.23E+03	0.847
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	3.23E+03	0.783
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	3.23E+03	0.509
PCB-92 22'355'-PeCB	29.05		0.9835	0.9835	0	3.09E+06	0.61	0.73	67.7	3.23E+03	0.743
PCB-113/90/101 ...-PeCB	29.56	C	0.9999	1.0007	+1.4	2.26E+07	0.61	0.87	416	3.23E+03	0.625
PCB-83 22'33'5-PeCB	29.96		1.0145	1.0144	-0.2	2.45E+05	0.58	0.65	6.06	3.23E+03	0.841
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0178	-0.2	1.90E+06	0.61	0.78	39	3.23E+03	0.696
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	3.23E+03	0.546
PCB-108/119/86/97/125...-PeCB	30.55	C	1.0329	1.0343	+2.6	5.89E+06	0.61	0.87	109	3.23E+03	0.629
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	3.23E+03	0.543
PCB-116/85 23456/22'344'-PeCB	31.11	C	1.0539	1.0532	-1.3	7.23E+05	0.57	0.81	14.2	3.23E+03	0.669
PCB-110 233'4'6-PeCB	31.25		1.0580	1.0580	0	1.67E+07	0.61	1.01	264	3.23E+03	0.538
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	3.23E+03	0.562
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0672	-0.4	2.61E+05	0.63	0.63	6.66	3.23E+03	0.869
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	3.23E+03	0.507
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	3.23E+03	0.509
PCB-107/124 ...-PeCB	33.22	C	0.9913	0.9914	+0.2	3.28E+05	0.63	0.95	5.51	3.23E+03	0.571
PCB-109 233'46-PeCB	33.43		0.9974	0.9976	+0.4	3.93E+05	0.63	1.10	5.73	3.23E+03	0.495
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	3.23E+03	0.541
PCB-122 233'4'5'-PeCB	34.09		1.0092	1.0088	-0.8	6.60E+04	0.62	0.88	1.14	3.23E+03	0.601
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	3.23E+03	0.561
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.87E+03	0.203
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.87E+03	0.224
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.87E+03	0.224
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0211	+0.2	1.39E+07	1.22	0.98	189	1.87E+03	0.249
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.87E+03	0.239
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.87E+03	0.275
PCB-151/135 ...-HxCB	32.05	C	1.0918	1.0915	-0.6	2.98E+07	1.23	1.00	484	1.87E+03	0.283
PCB-154 22'44'56'-HxCB	32.27	EMPC	1.0991	1.0989	-0.4	1.80E+05	1.03	1.14	2.55	1.87E+03	0.247
PCB-144 22'345'6-HxCB	32.53		1.1079	1.1079	0	4.38E+06	1.25	1.03	68.7	1.87E+03	0.273
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1181	-0.2	6.56E+07	1.23	1.05	1,010	1.87E+03	0.268
PCB-134 22'33'56-HxCB	33.00		1.1239	1.1240	+0.2	3.18E+06	1.24	0.77	66.6	1.87E+03	0.364
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.87E+03	0.267
PCB-139/140 ...-HxCB	33.35	C	1.1359	1.1357	-0.4	2.46E+05	1.17	1.05	3.78	1.87E+03	0.267
PCB-131 22'33'46-HxCB	33.52		1.1417	1.1417	0	5.36E+05	1.22	0.91	9.57	1.87E+03	0.311
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.87E+03	0.309
PCB-132 22'33'46'-HxCB	33.91		1.1547	1.1547	0	2.16E+07	1.24	0.93	377	1.87E+03	0.303
PCB-133 22'33'55'-HxCB	34.33		1.1690	1.1691	+0.2	9.32E+05	1.27	0.98	15.5	1.87E+03	0.289
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.87E+03	0.235
PCB-146 22'34'55'-HxCB	34.88		0.9570	0.9570	0	1.09E+07	1.23	1.09	162	1.87E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.87E+03	0.208
PCB-153/168 ...-HxCB	35.41	C	0.9720	0.9715	-1.1	8.10E+07	1.23	1.32	990	1.87E+03	0.213

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.57		0.9759	0.9759	0	1.89E+07	1.25	1.02	299	1.87E+03	0.275
PCB-130 22'33'45'-HxCB	35.92		0.9854	0.9854	0	3.03E+06	1.30	0.89	54.9	1.87E+03	0.316
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	1.87E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.20		0.9932	0.9931	-0.2	8.31E+06	1.22	1.28	105	1.87E+03	0.22
PCB-163/138/129 ...-HxCB	36.48	C	1.0011	1.0007	-0.9	7.90E+07	1.23	1.06	1,200	1.87E+03	0.265
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.87E+03	0.236
PCB-158 233'44'6'-HxCB	36.81		1.0099	1.0099	0	9.25E+06	1.25	1.37	109	1.87E+03	0.205
PCB-128/166 ...-HxCB	37.57	C	0.9625	0.9630	+1.1	5.87E+06	1.26	0.86	115	3.88E+03	0.771
PCB-159 233'455'-HxCB	38.35		0.9838	0.9832	-1.4	1.05E+06	1.42	1.03	17.2	3.88E+03	0.647
PCB-162 233'4'55'-HxCB	38.61		0.9901	0.9898	-0.7	1.41E+05	1.35	1.03	2.32	3.88E+03	0.648
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.63E+03	0.201
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0087	0	1.14E+07	1.04	0.87	145	1.63E+03	0.21
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.63E+03	0.216
PCB-176 22'33'466'-HpCB	35.31		1.0308	1.0309	+0.2	3.95E+06	1.01	0.95	46.1	1.63E+03	0.193
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.63E+03	0.207
PCB-178 22'33'55'6'-HpCB	36.85		1.0759	1.0760	+0.2	4.29E+06	1.01	0.63	75.1	1.63E+03	0.289
PCB-175 22'33'45'6'-HpCB	37.40		1.0919	1.0920	+0.2	1.07E+06	1.02	0.86	19.6	4.06E+03	0.787
PCB-187 22'34'55'6'-HpCB	37.63		1.0986	1.0987	+0.2	2.32E+07	1.02	0.97	376	4.06E+03	0.695
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	4.06E+03	0.669
PCB-183 22'344'5'6'-HpCB	38.16		1.1139	1.1140	+0.2	1.31E+07	1.04	1.00	205	4.06E+03	0.673
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1164	+0.2	1.78E+06	1.09	0.90	31.2	4.06E+03	0.75
PCB-174 22'33'456'-HpCB	38.35		1.1196	1.1196	0	2.15E+07	1.04	0.86	391	4.06E+03	0.782
PCB-177 22'33'45'6'-HpCB	38.72		1.1305	1.1306	+0.2	1.19E+07	1.05	0.82	229	4.06E+03	0.825
PCB-181 22'344'56'-HpCB	39.07		1.1408	1.1408	0	1.78E+05	1.06	0.96	2.93	4.06E+03	0.707
PCB-171/173 ...-HpCB	39.26	C	1.1461	1.1464	+0.7	6.61E+06	1.05	0.82	128	4.06E+03	0.828
PCB-172 22'33'455'-HpCB	40.63		0.9050	0.9051	+0.2	3.75E+06	1.04	0.83	70.8	4.06E+03	0.811
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	4.06E+03	0.62
PCB-180/193 ...-HpCB	41.19	C	0.9168	0.9175	+1.7	4.91E+07	1.04	1.03	752	4.06E+03	0.658
PCB-191 233'44'5'6'-HpCB	41.49		0.9242	0.9243	+0.2	1.33E+06	0.97	1.14	18.3	4.06E+03	0.592
PCB-170 22'33'44'5'-HpCB	42.26		0.9414	0.9415	+0.3	2.02E+07	1.03	0.96	412	4.06E+03	0.941
PCB-190 233'44'56'-HpCB	42.72		0.9515	0.9516	+0.3	4.66E+06	1.06	1.28	70.8	4.06E+03	0.7
PCB-202 22'33'55'66'-OoCB	38.83		1.0006	1.0006	0	1.24E+06	0.89	0.86	18.2	2.52E+03	0.374
PCB-201 22'33'45'66'-OoCB	39.62		1.0209	1.0209	0	9.91E+05	0.95	0.97	12.9	2.52E+03	0.333
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.52E+03	0.358
PCB-197 22'33'44'66'-OoCB	40.39		1.0407	1.0407	0	3.19E+05	0.95	1.00	4.03	2.52E+03	0.321
PCB-200 22'33'4566'-OoCB	40.48		1.0430	1.0431	+0.2	9.51E+05	0.92	0.88	13.6	2.52E+03	0.365
PCB-198/199 ...-OoCB	42.86	C	1.1037	1.1042	+1.3	5.44E+06	0.91	0.66	104	2.52E+03	0.486
PCB-196 22'33'44'56'-OoCB	43.42		1.1186	1.1187	+0.3	2.90E+06	0.89	0.68	53.6	2.52E+03	0.471
PCB-203 22'344'55'6'-OoCB	43.59		1.1230	1.1231	+0.3	3.44E+06	0.88	0.71	61.1	2.52E+03	0.453
PCB-195 22'33'44'56'-OoCB	44.72		0.9498	0.9498	0	1.64E+06	0.88	0.81	50.1	2.61E+03	0.83
PCB-194 22'33'44'55'-OoCB	46.70		0.9918	0.9919	+0.3	3.76E+06	0.93	0.87	106	2.61E+03	0.769
PCB-205 233'44'55'6'-OoCB	47.10		1.0004	1.0004	0	2.54E+05	0.89	1.09	5.74	2.61E+03	0.614
PCB-208 22'33'455'66'-NoCB	44.51		1.0005	1.0005	0	3.13E+05	0.73	1.00	5.54	2.30E+03	0.455
PCB-207 22'33'44'566'-NoCB	45.30		1.0184	1.0184	0	1.24E+05	0.77	0.99	2.21	2.30E+03	0.458
PCB-206 22'33'44'55'6'-NoCB	48.58		1.0004	1.0004	0	7.51E+05	0.74	0.85	19.7	2.30E+03	0.688

SGS-AP ID: A5941_11356_PCB_003
Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

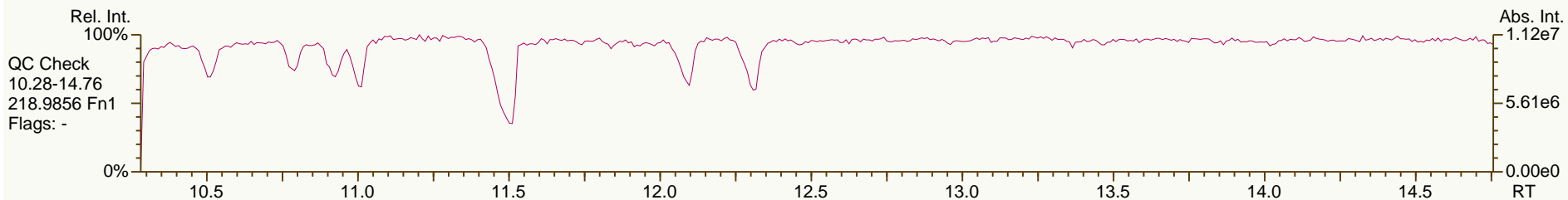
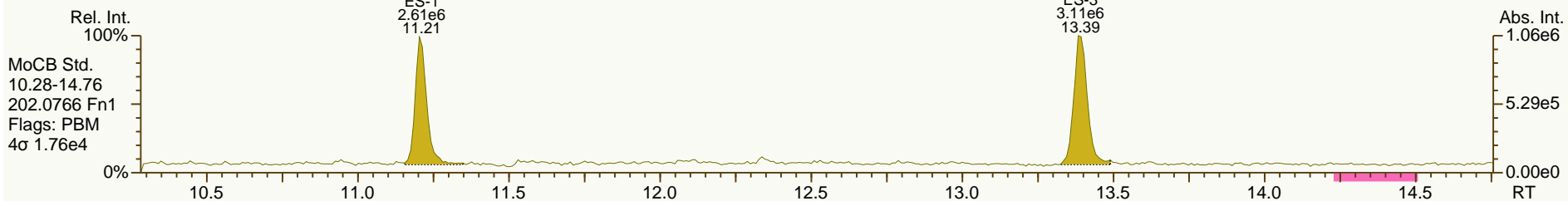
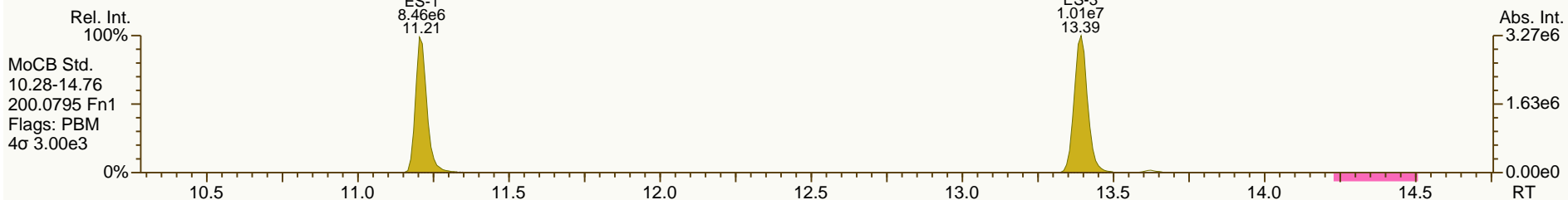
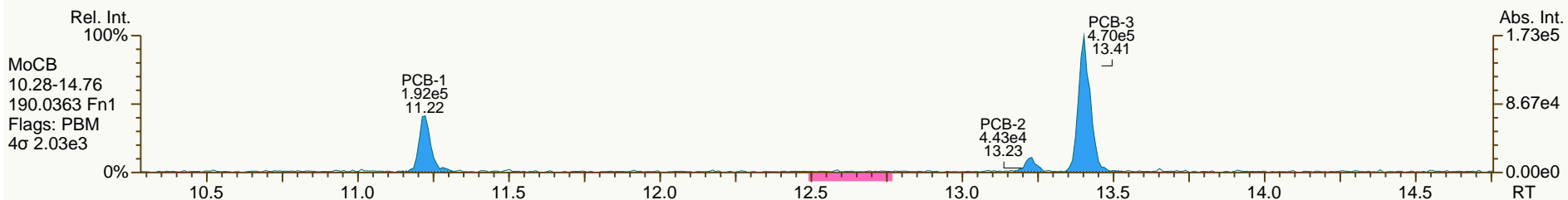
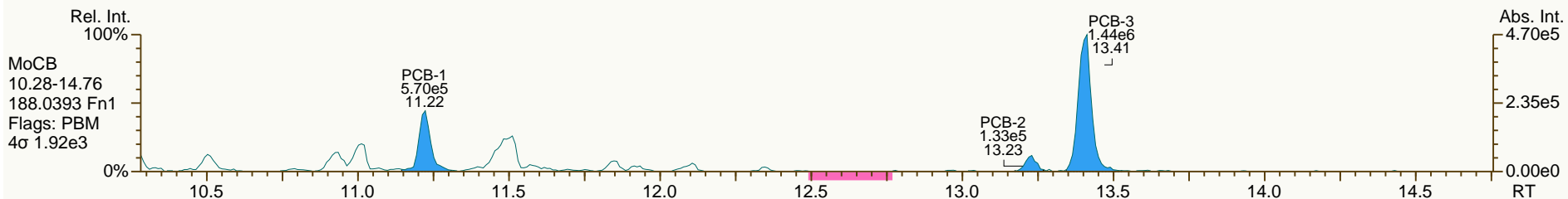
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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

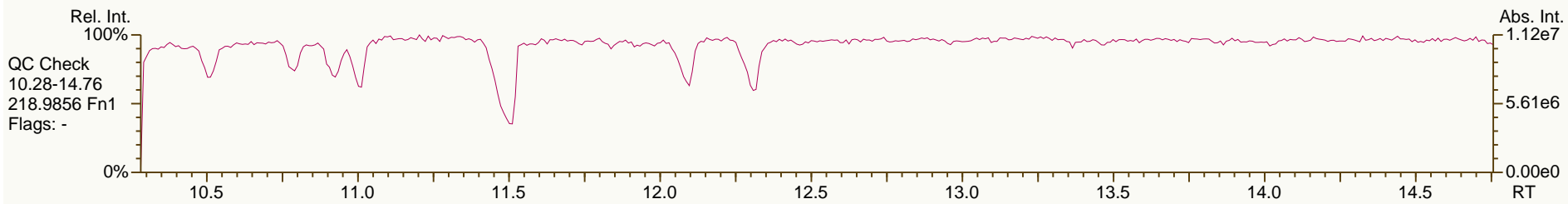
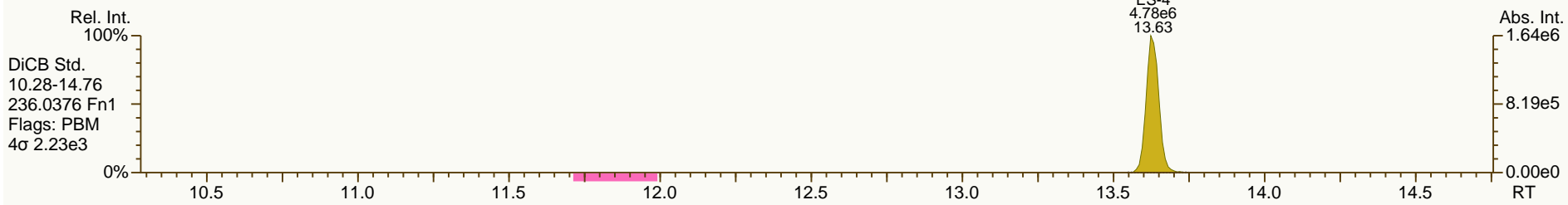
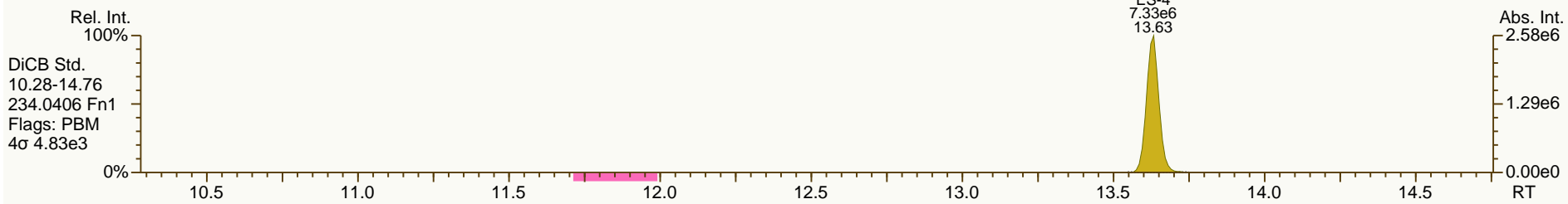
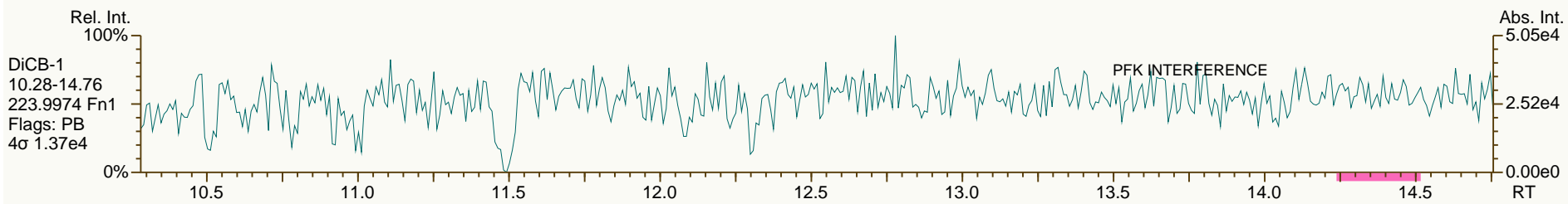
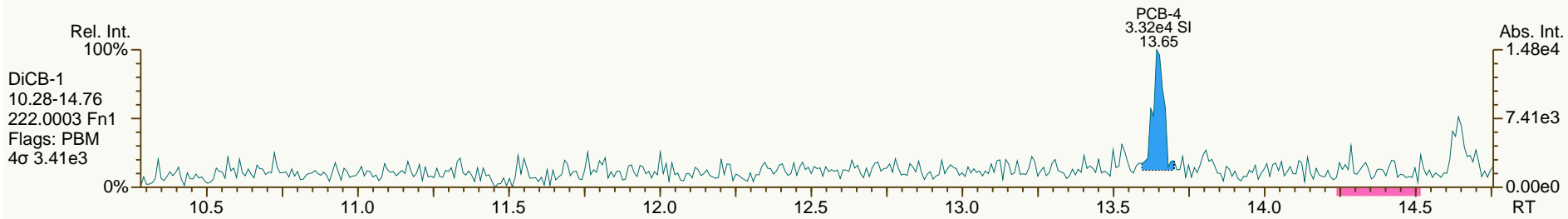
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 47

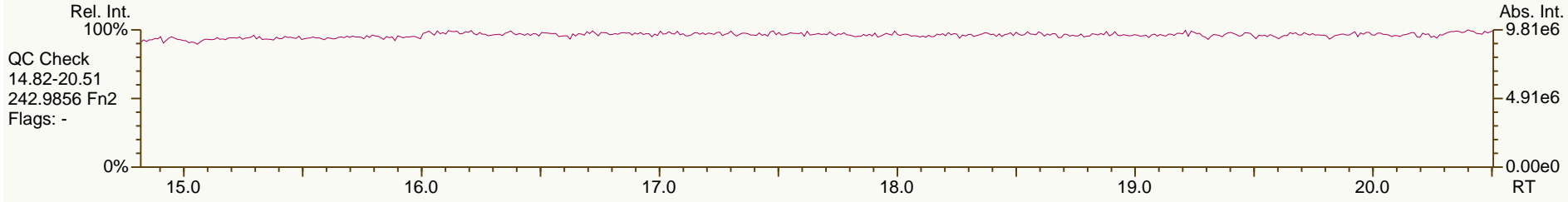
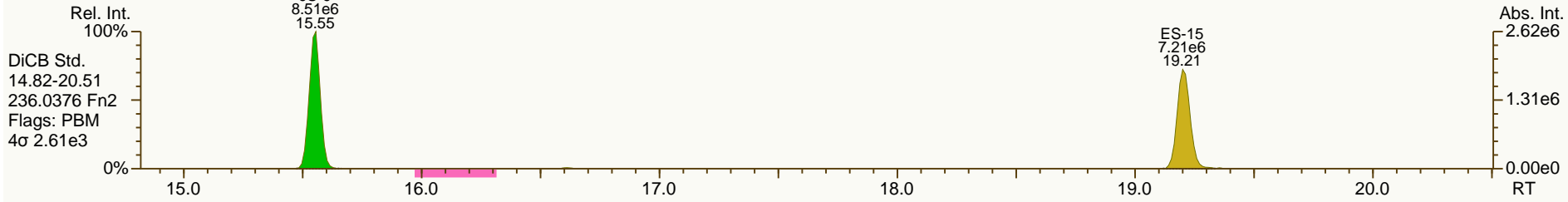
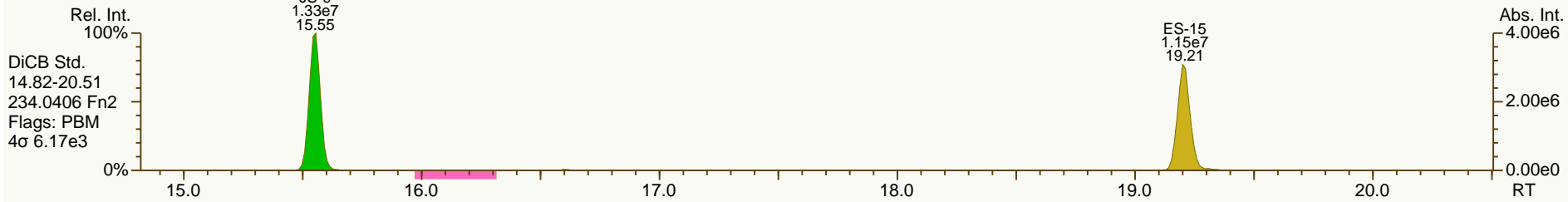
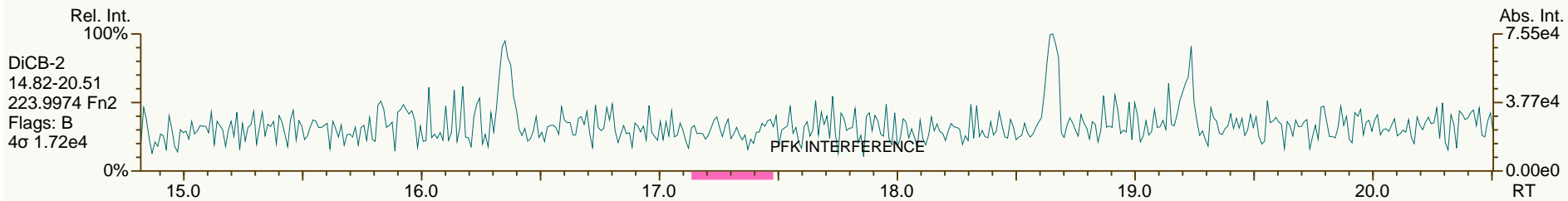
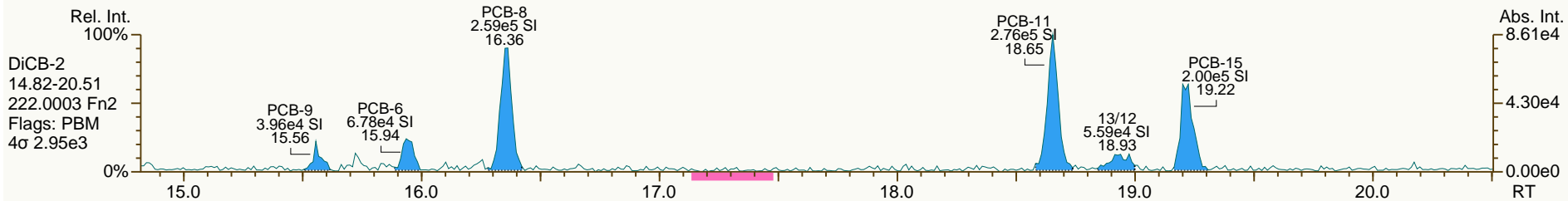
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

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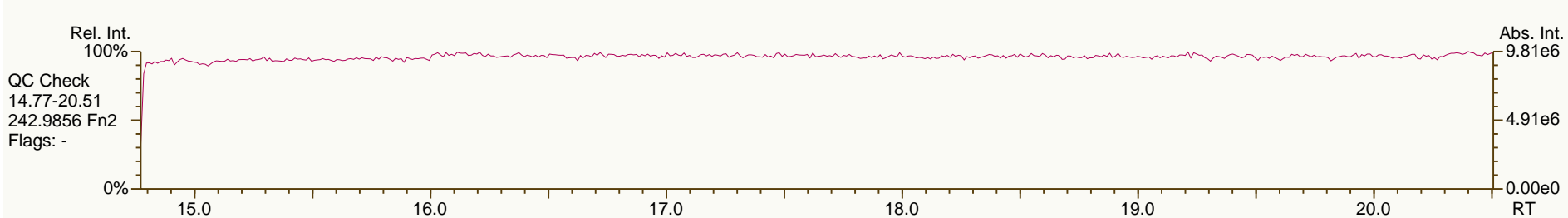
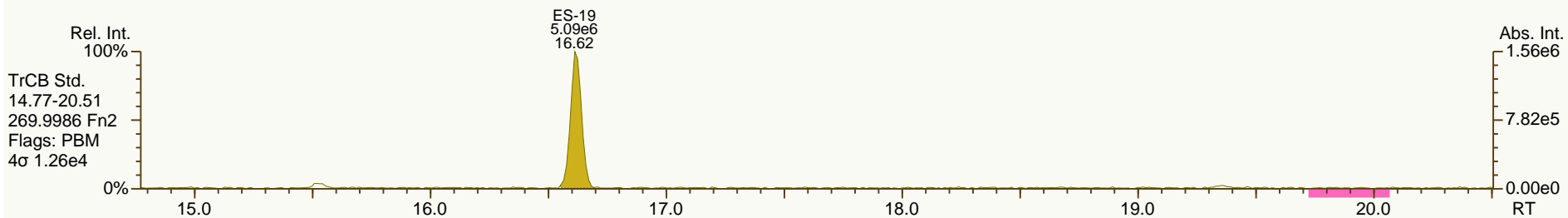
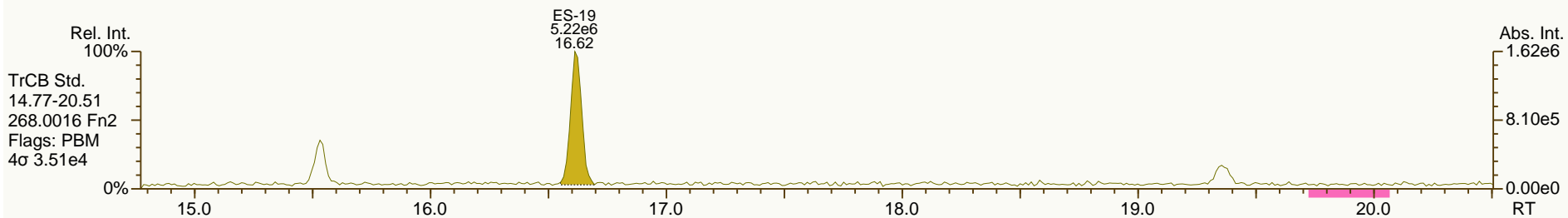
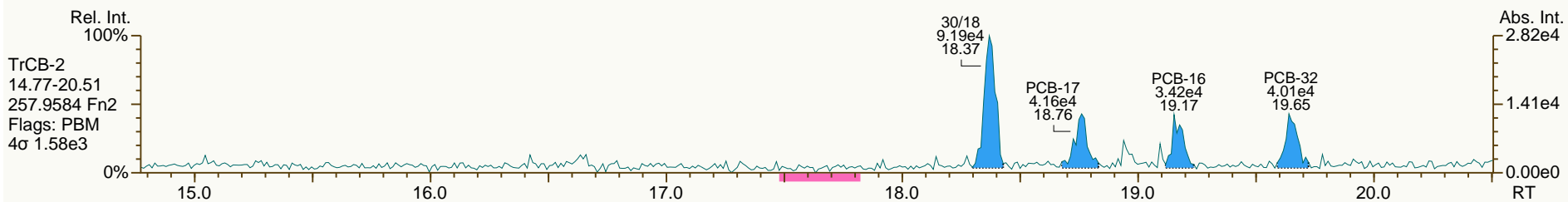
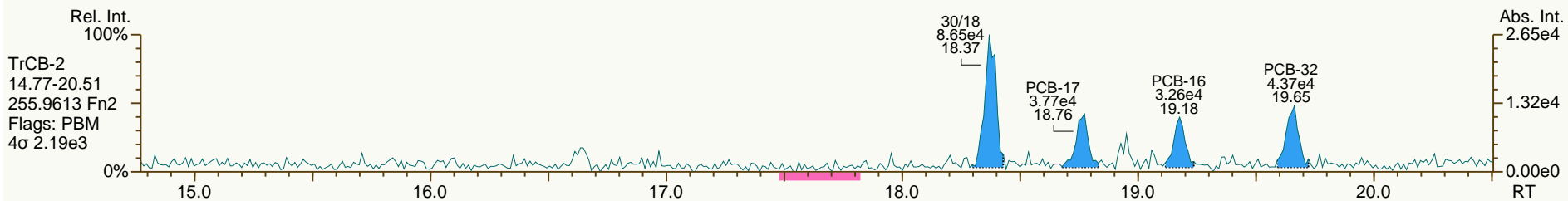
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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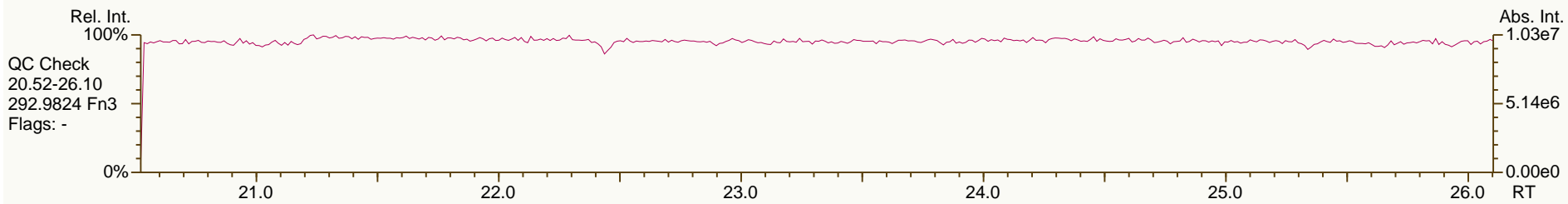
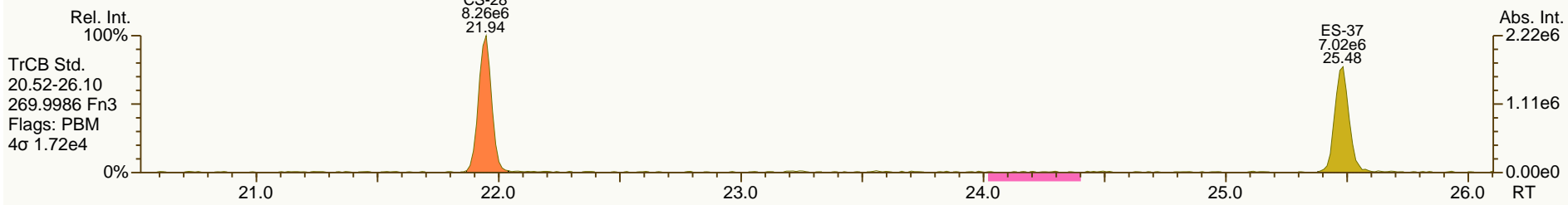
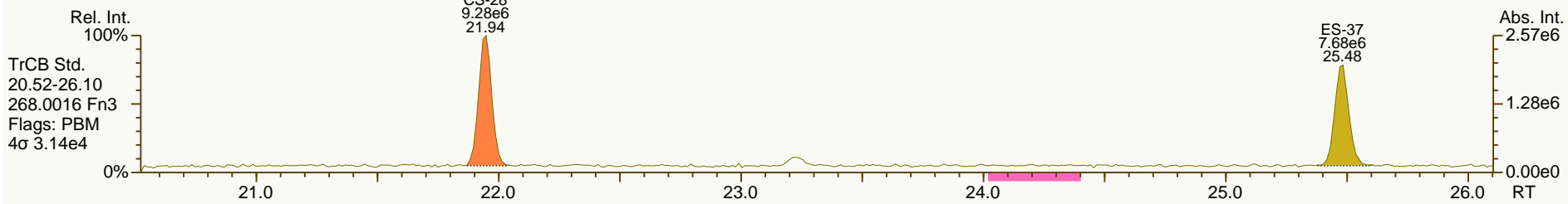
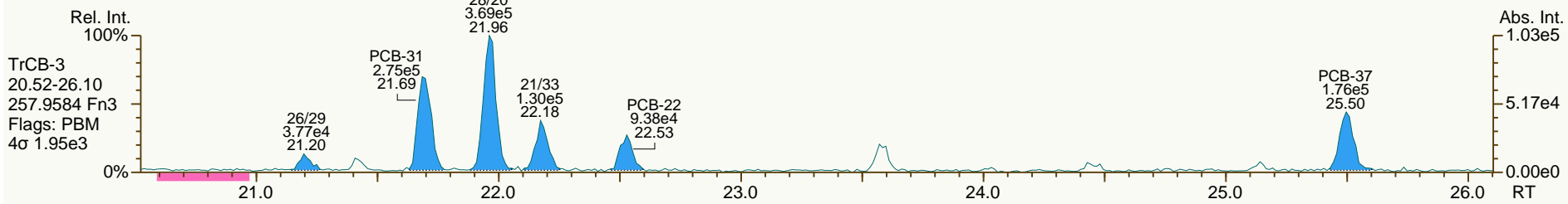
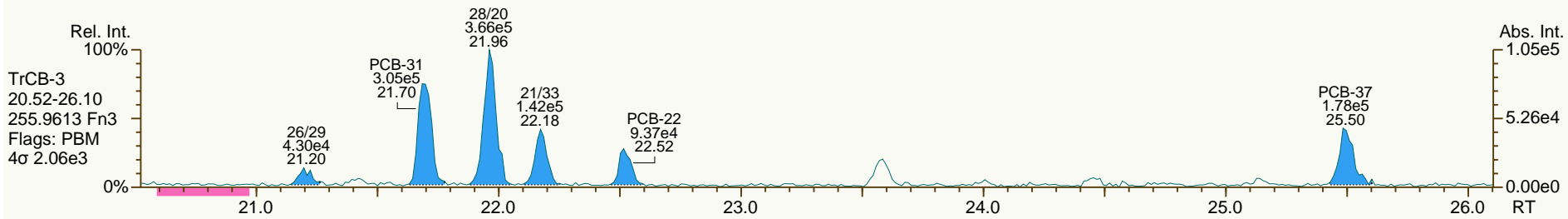
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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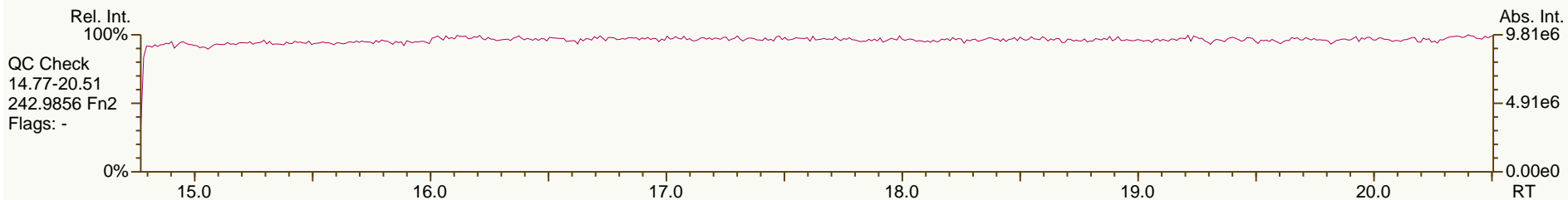
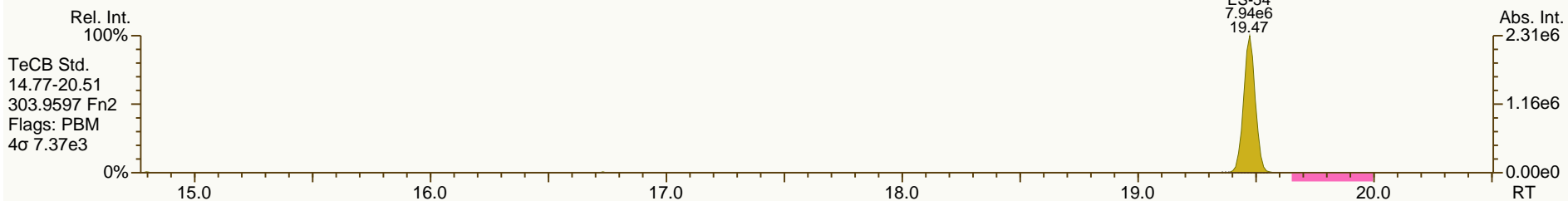
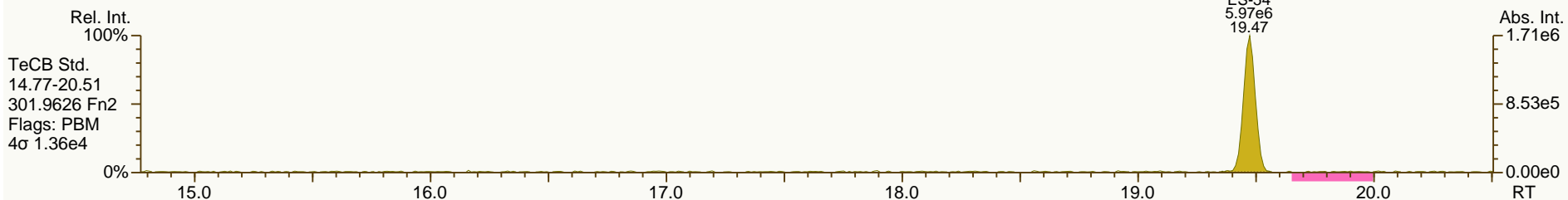
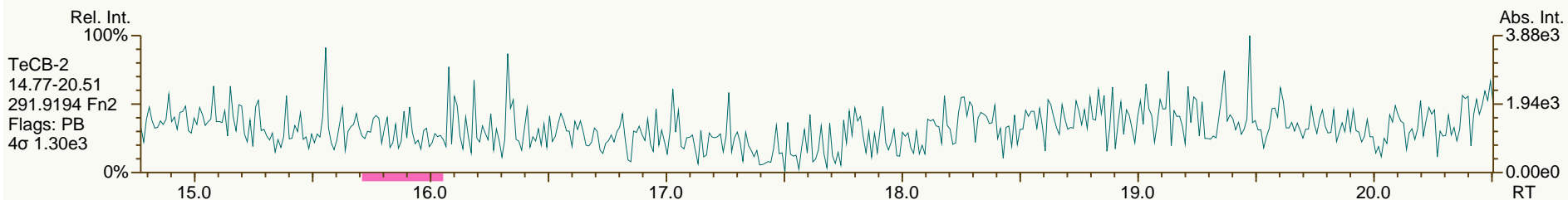
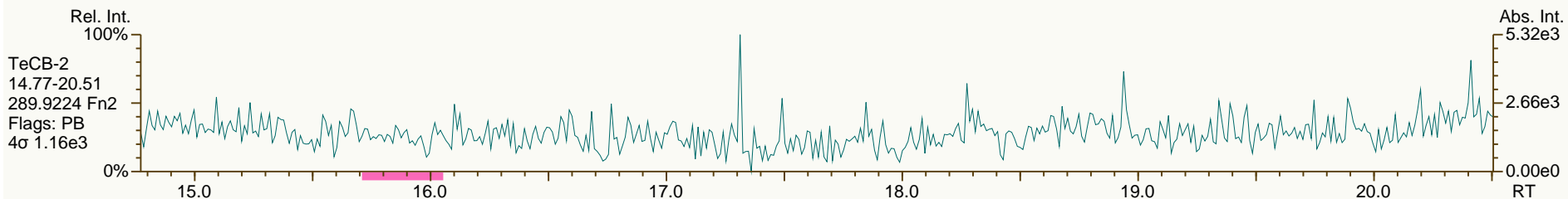
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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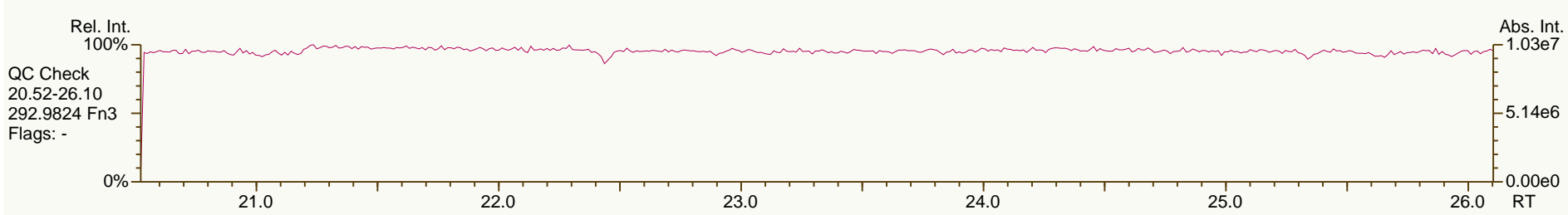
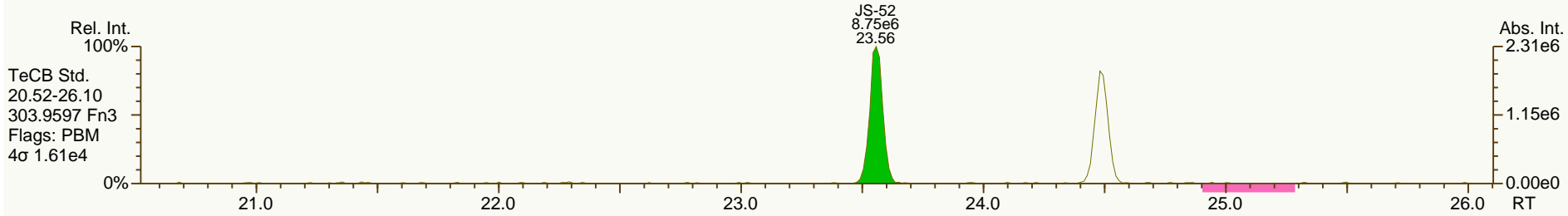
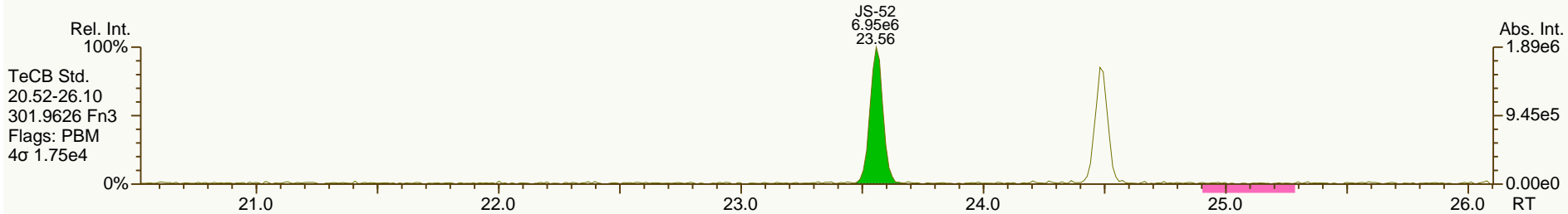
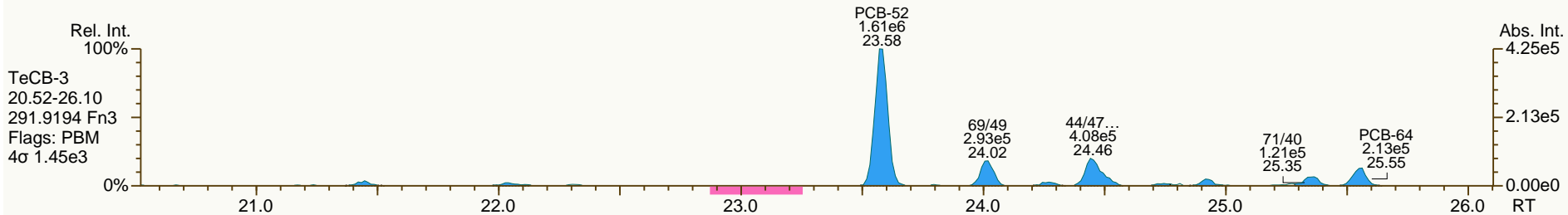
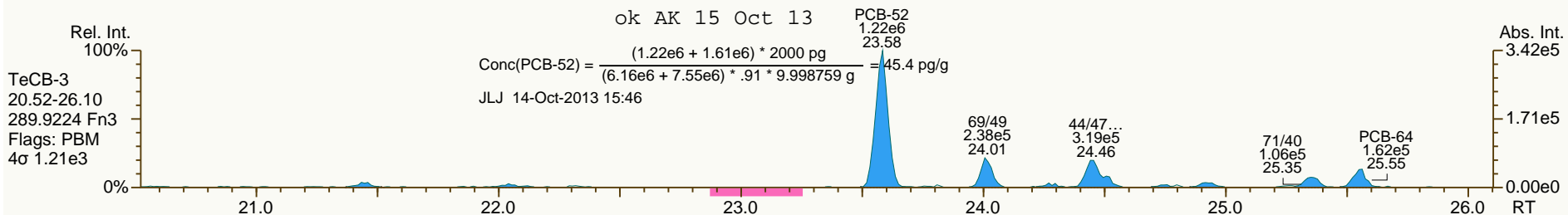
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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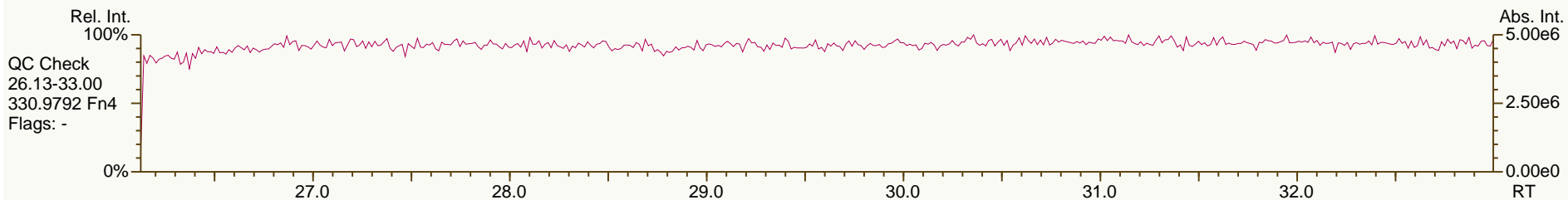
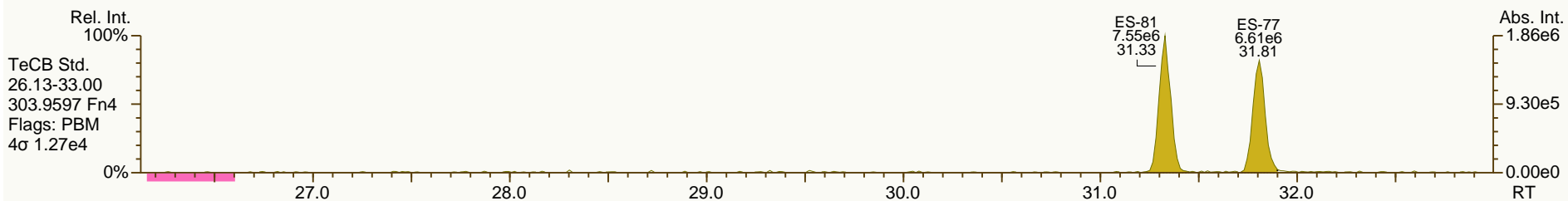
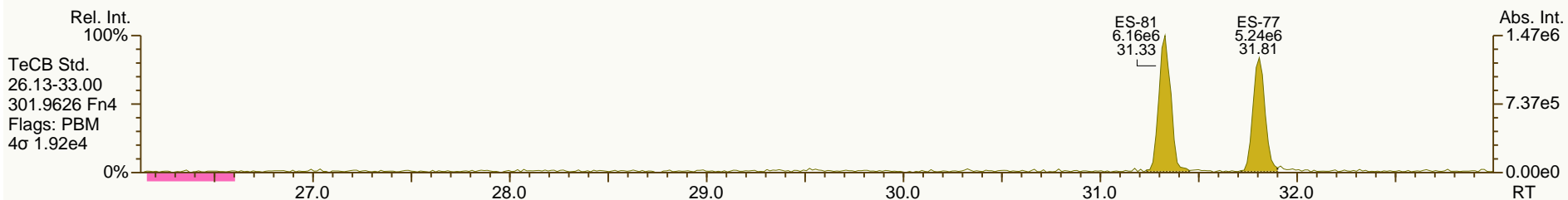
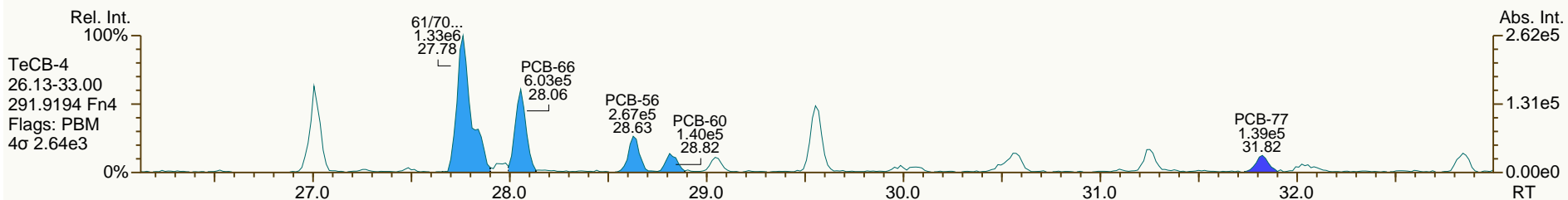
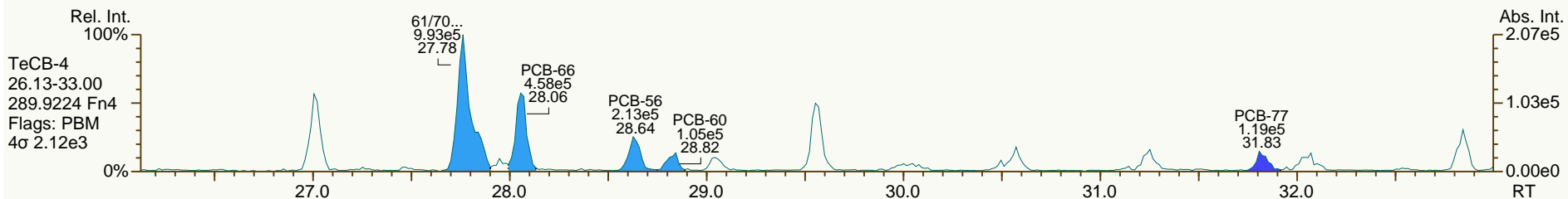
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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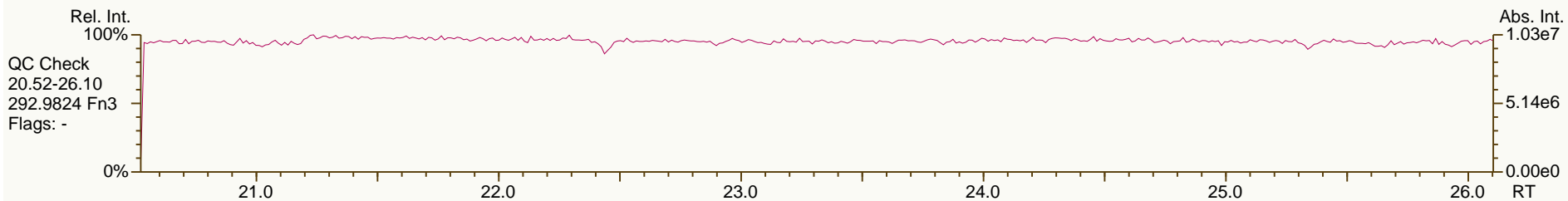
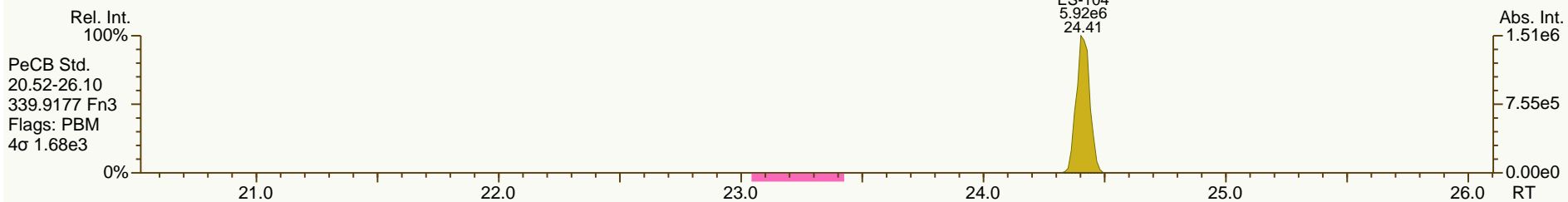
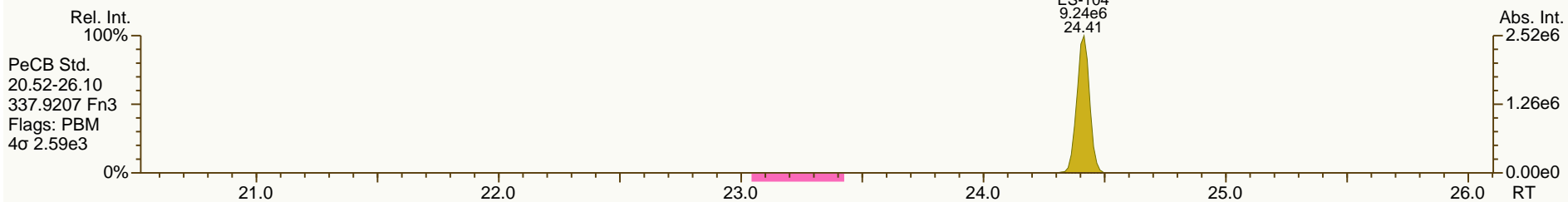
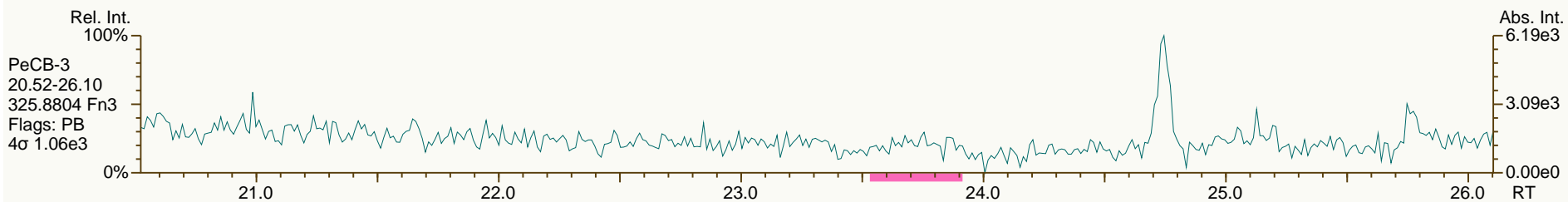
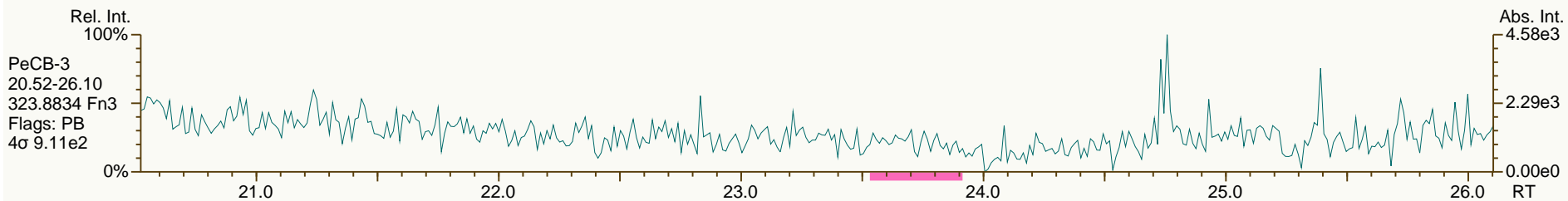
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SGS-AP ID: A5941_11356_PCB_003
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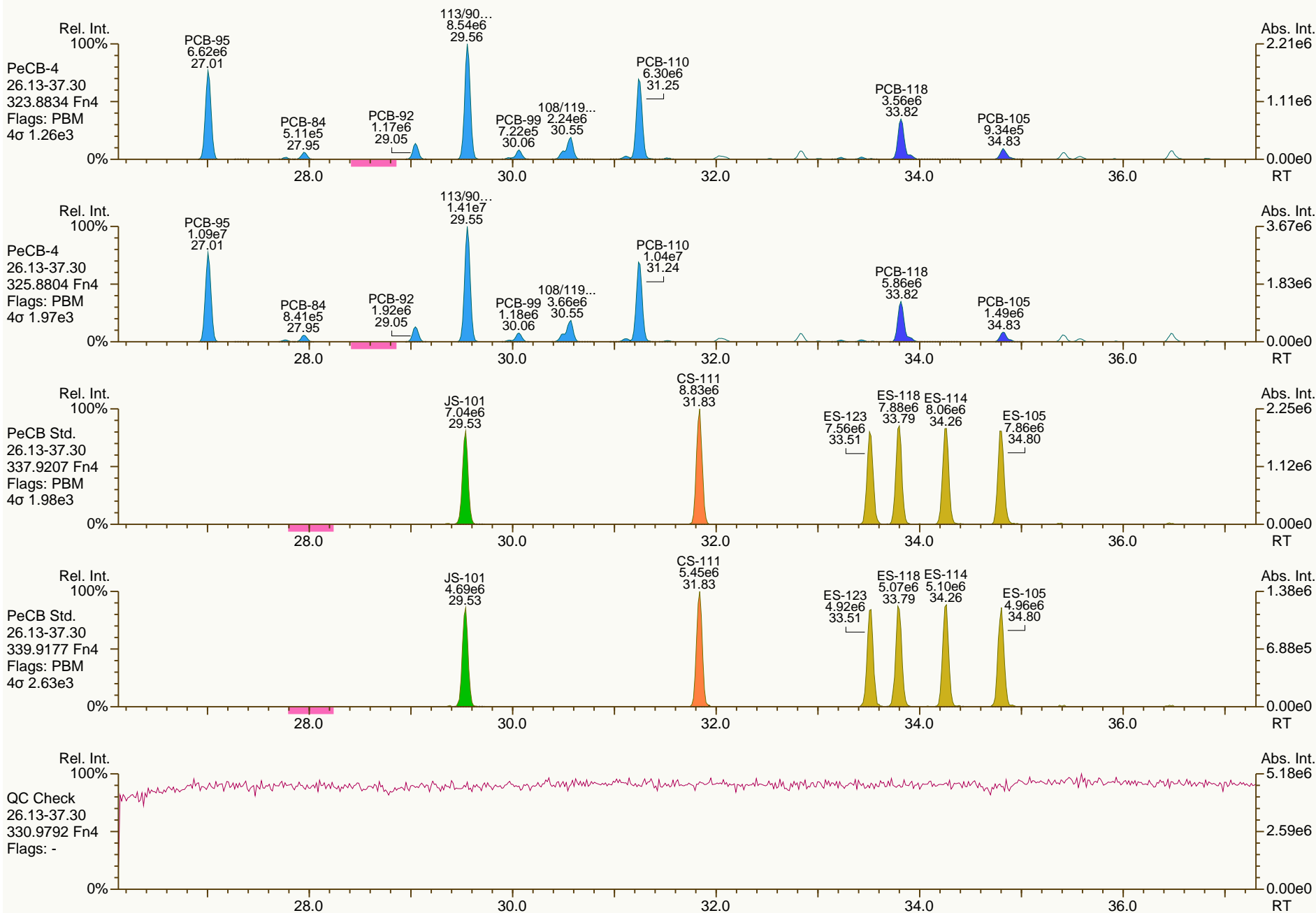
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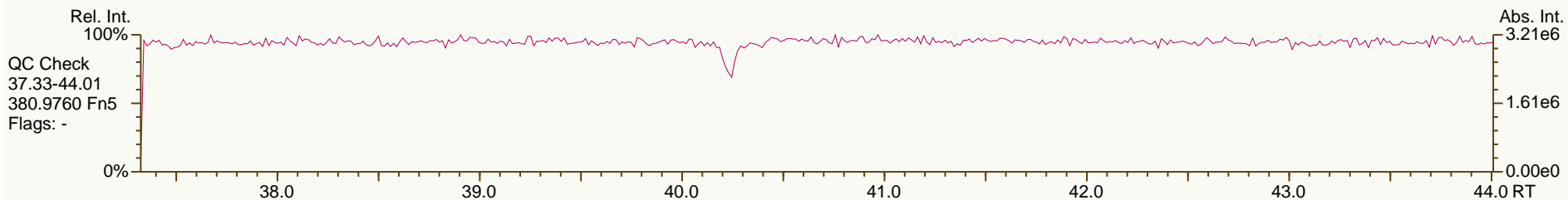
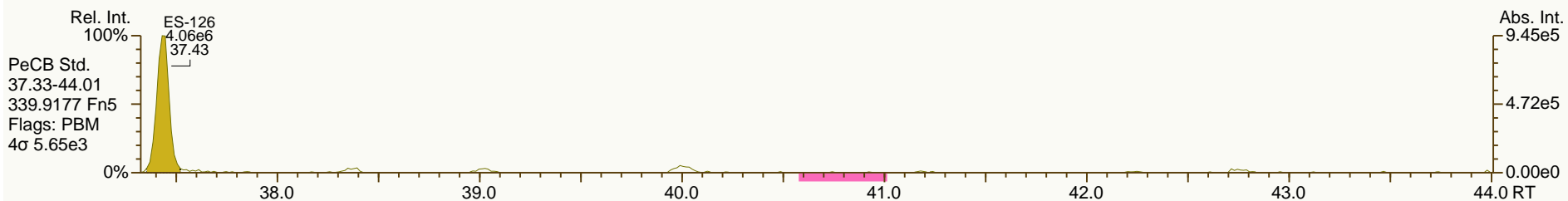
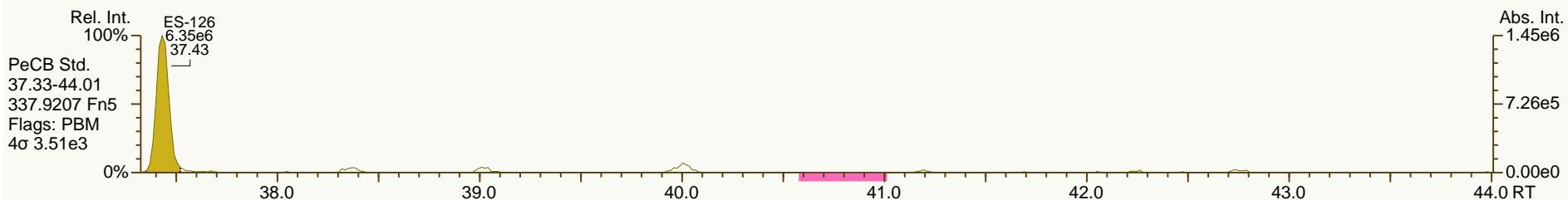
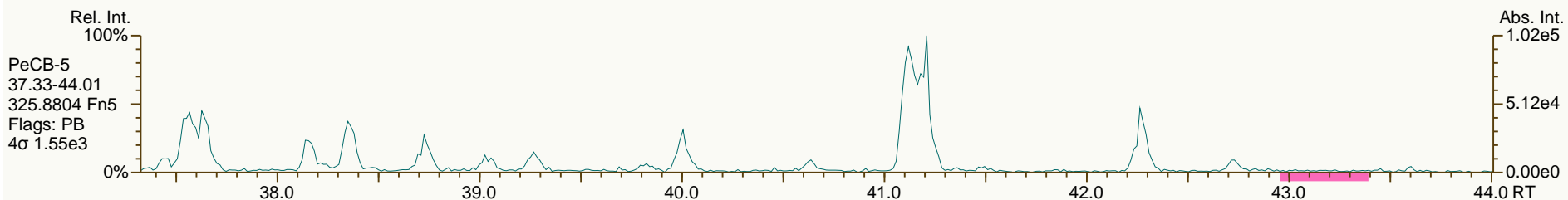
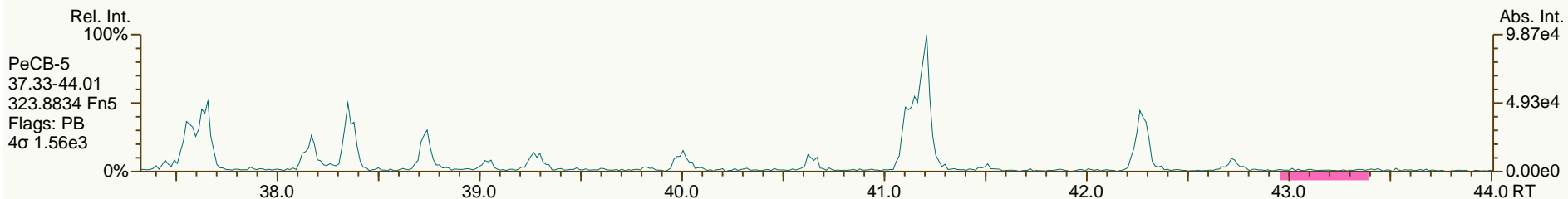
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SGS-AP ID: A5941_11356_PCB_003
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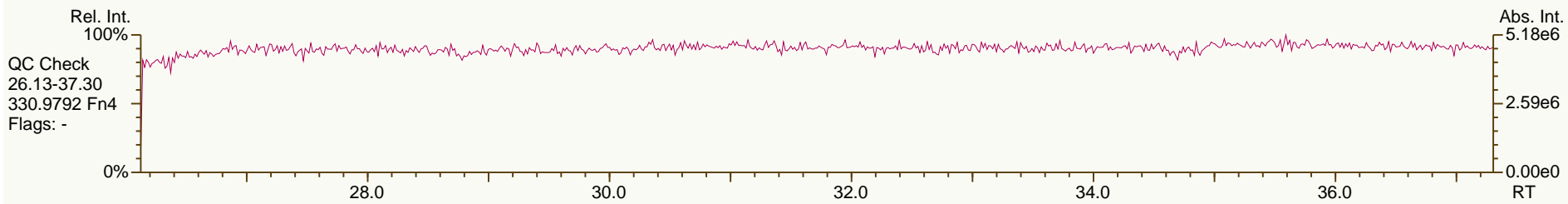
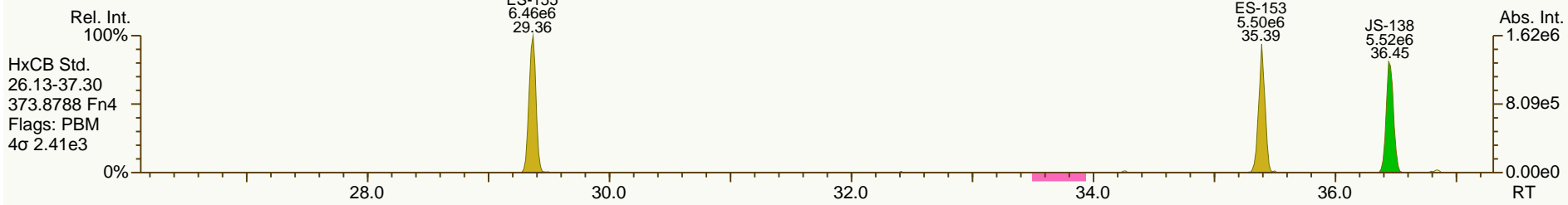
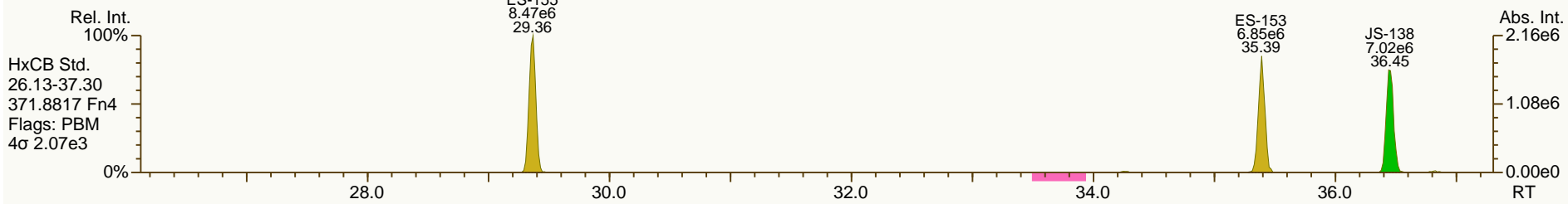
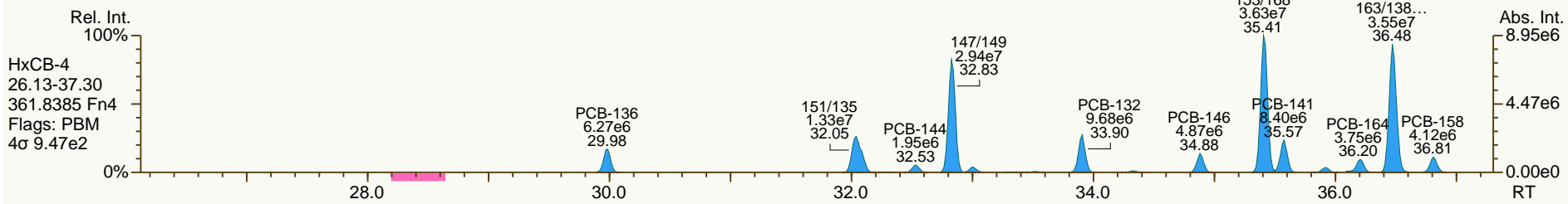
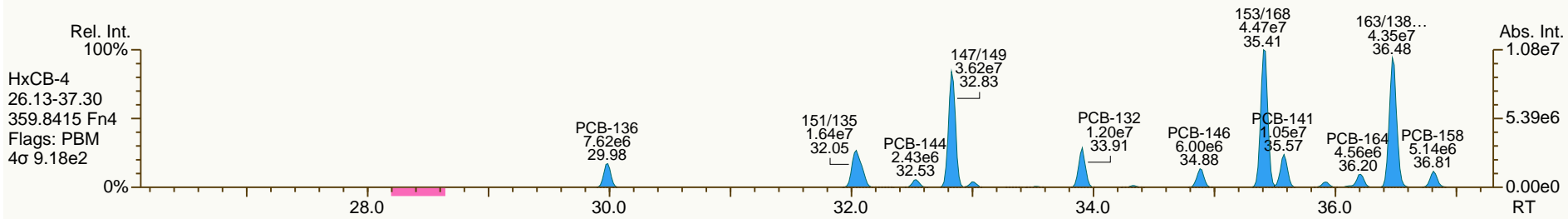
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SGS-AP ID: A5941_11356_PCB_003
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Sample ID: JW-BL-307-130919
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SGS-AP ID: A5941_11356_PCB_003
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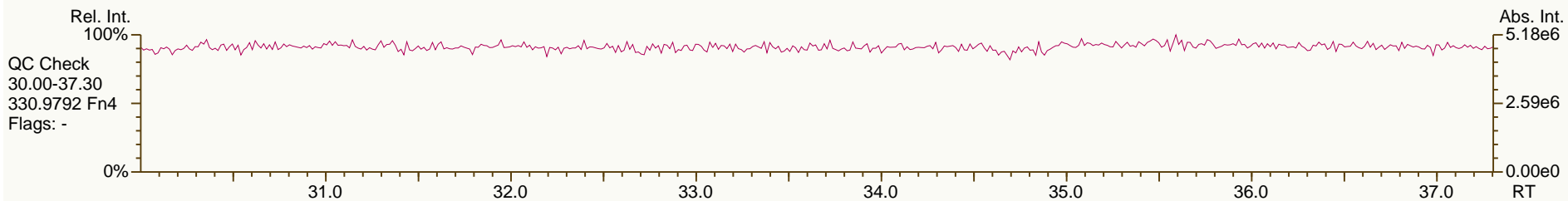
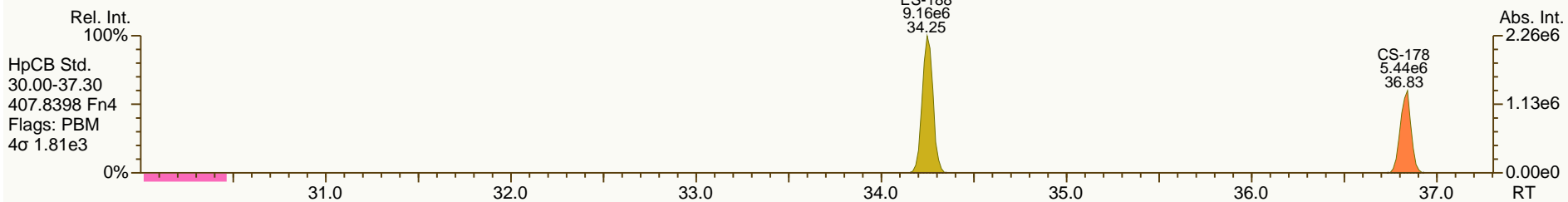
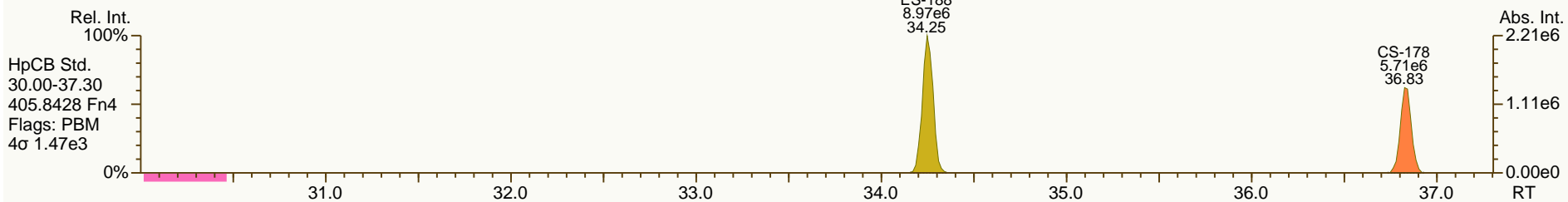
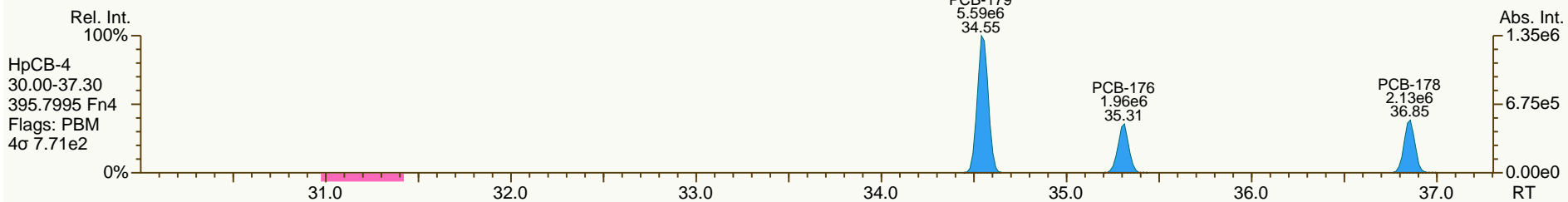
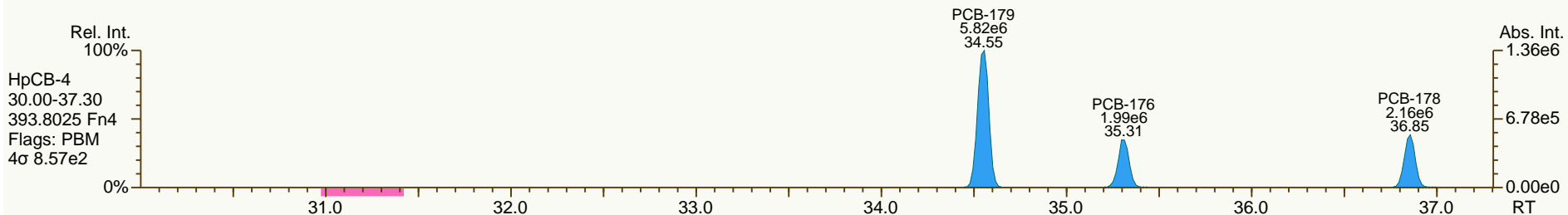
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SGS-AP ID: A5941_11356_PCB_003
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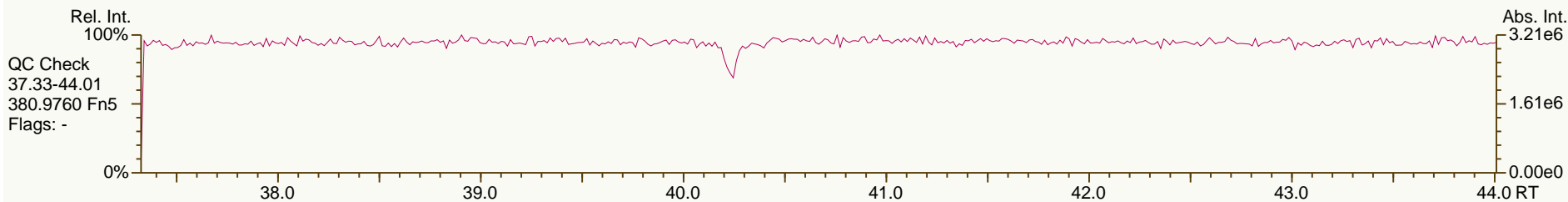
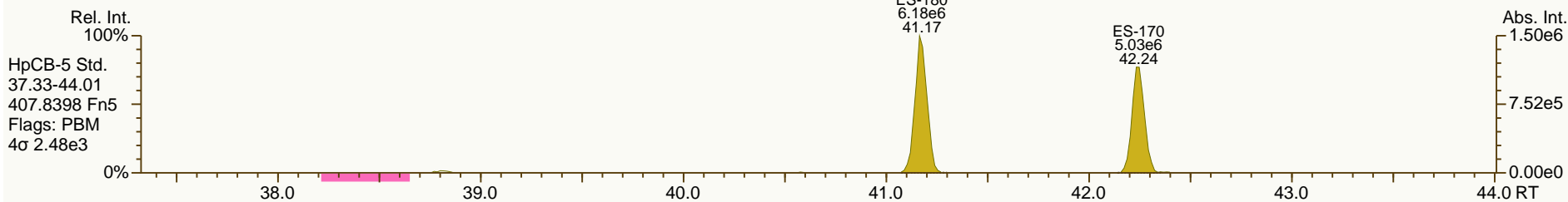
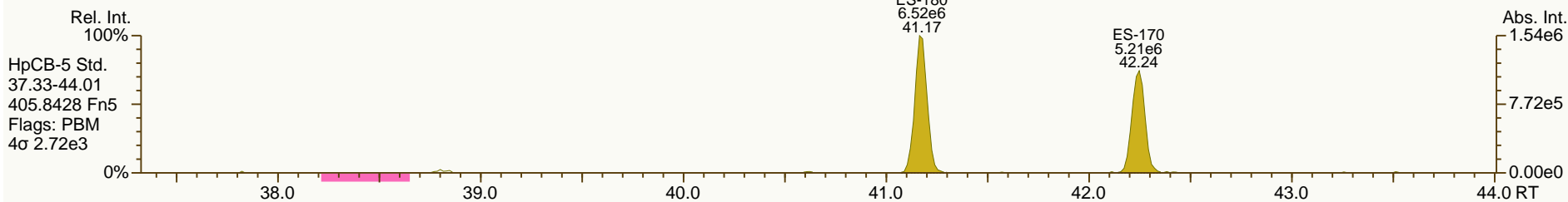
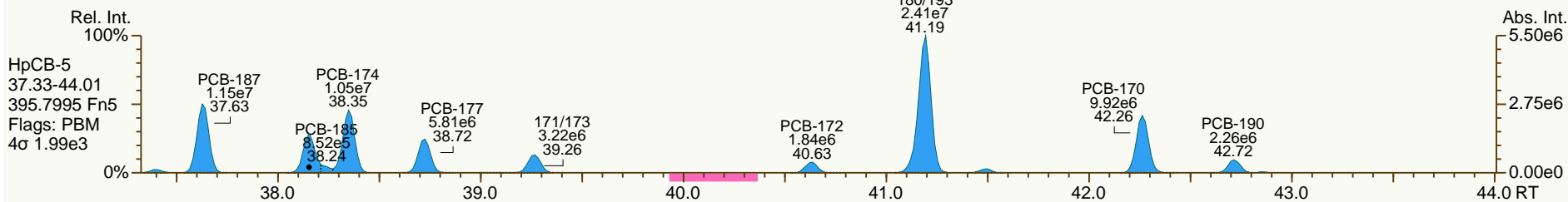
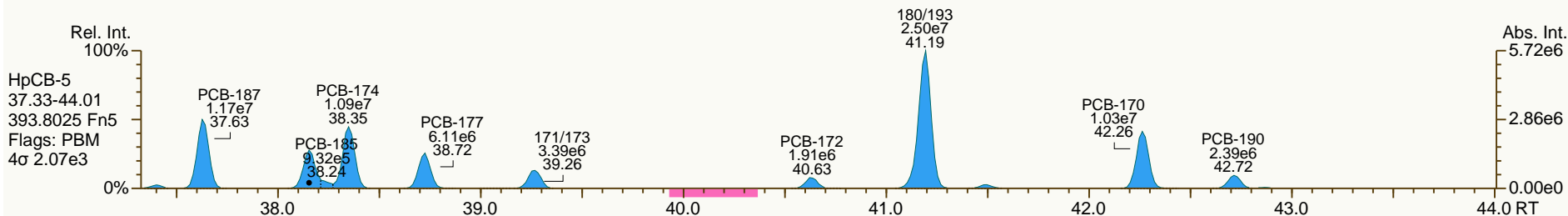
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

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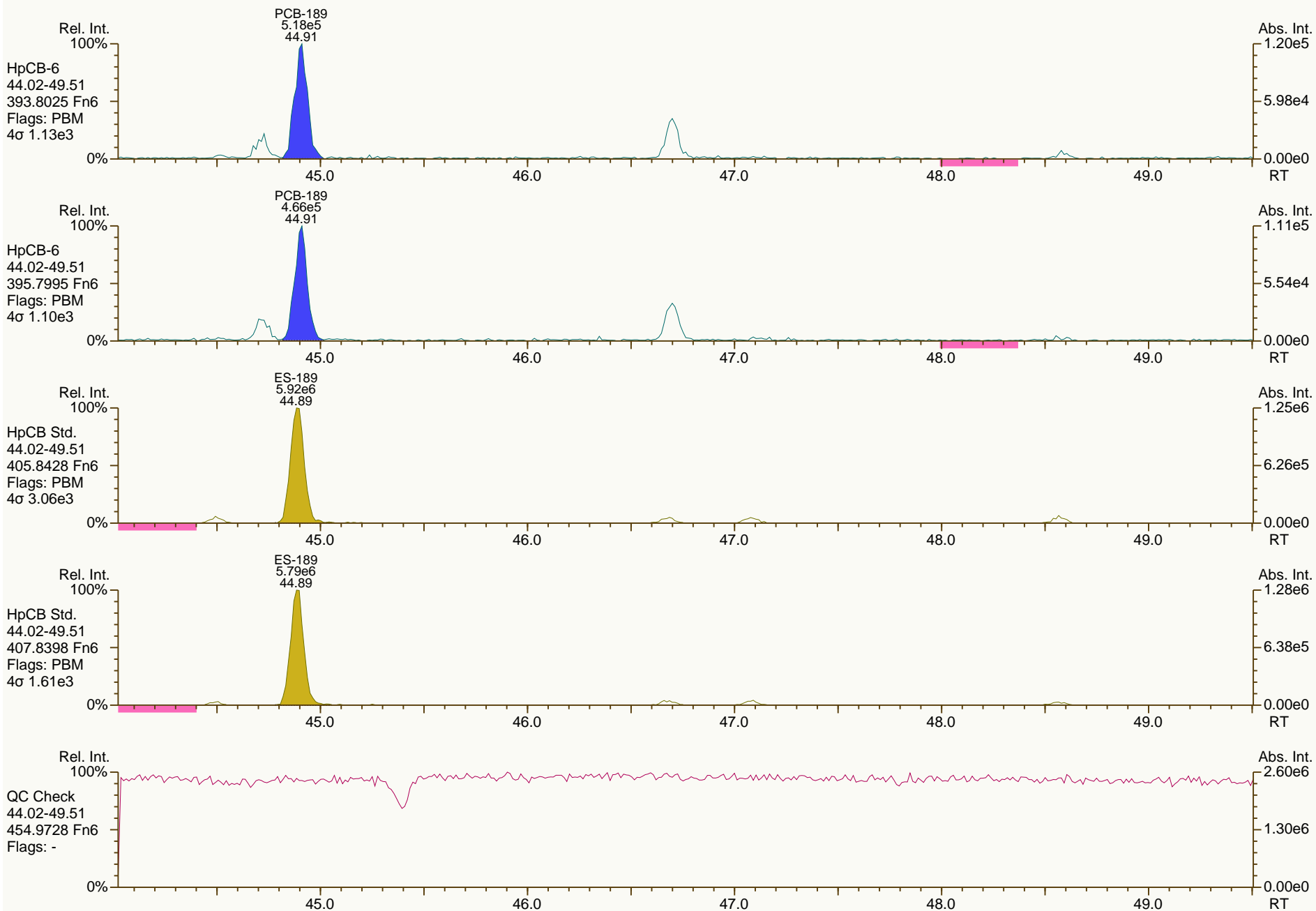
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SGS-AP ID: A5941_11356_PCB_003
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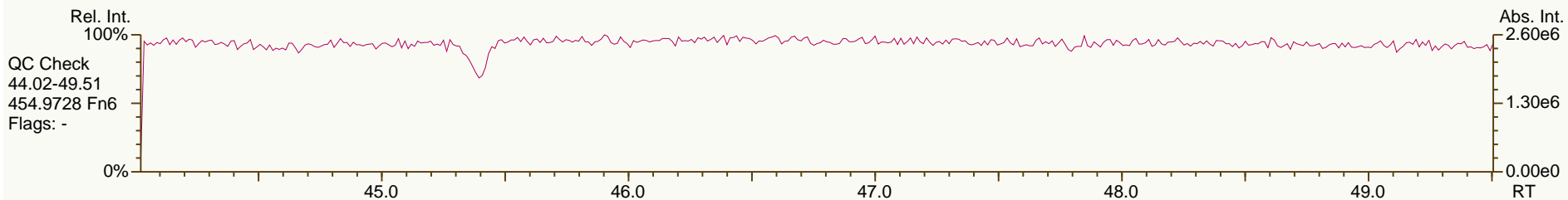
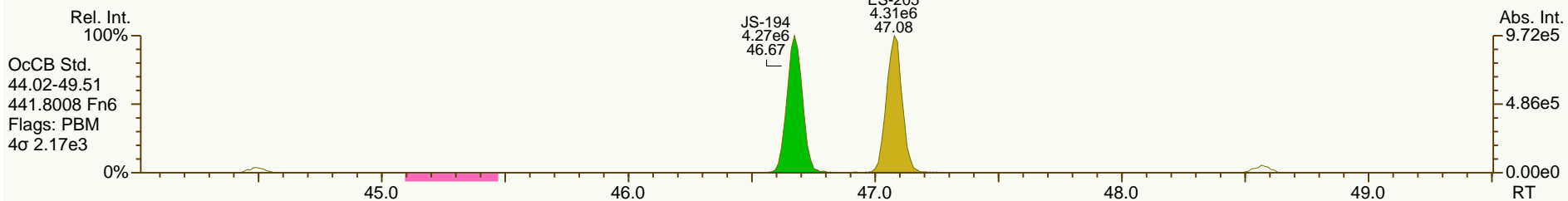
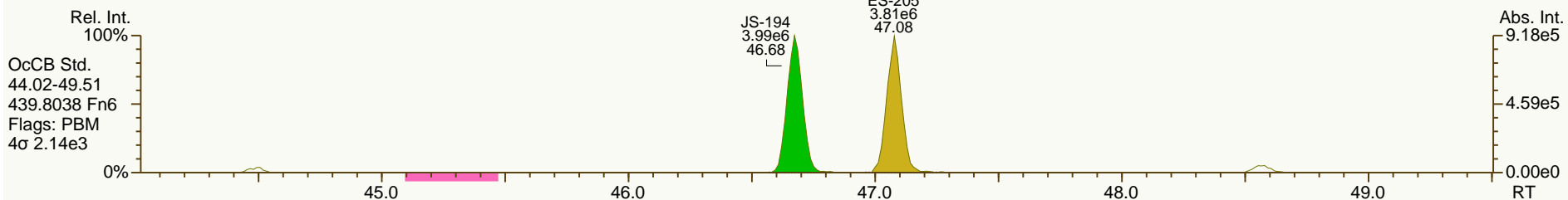
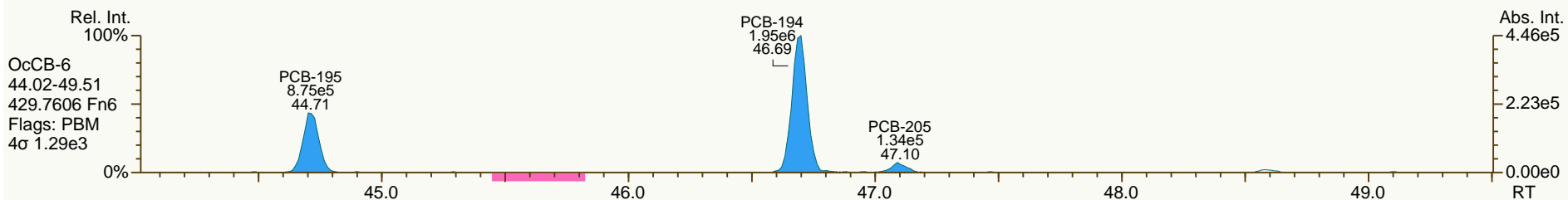
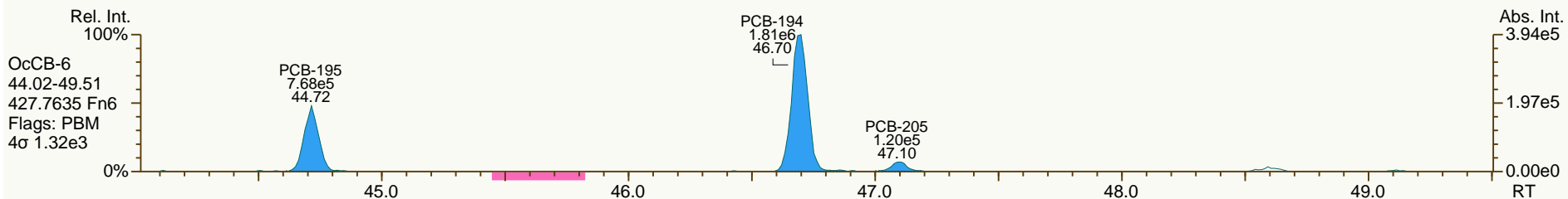
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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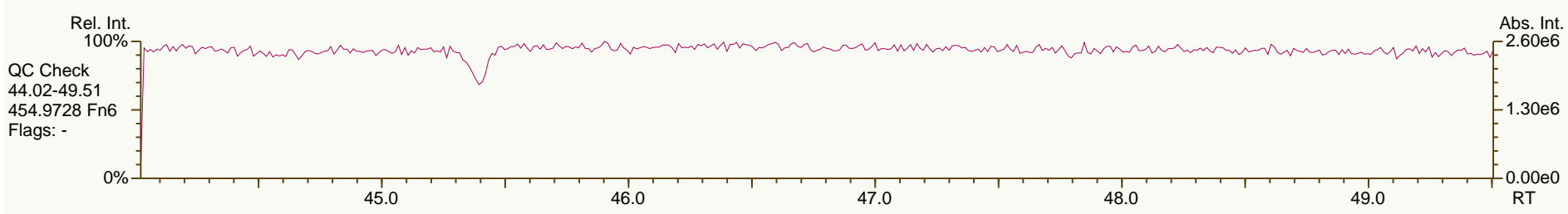
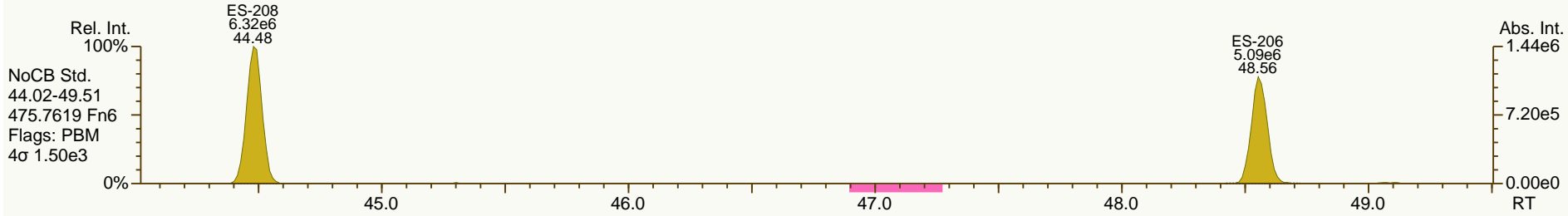
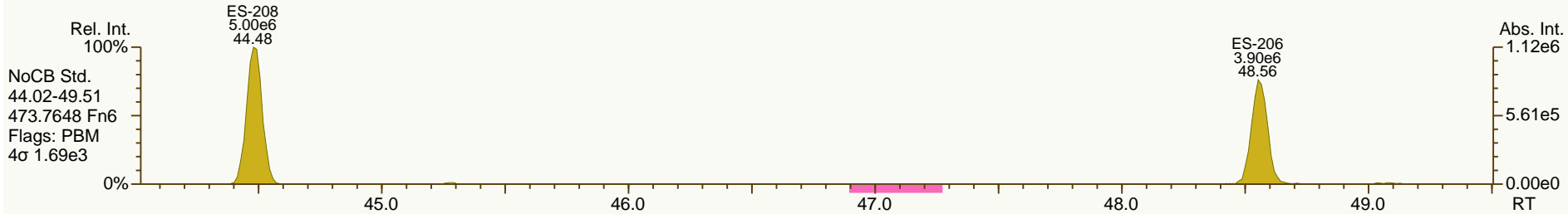
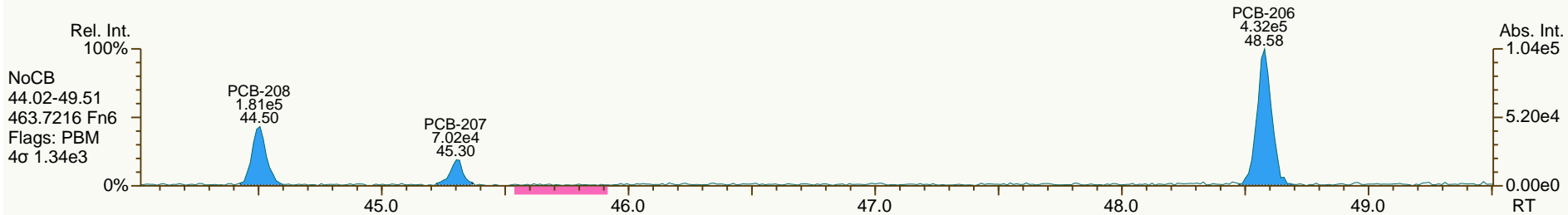
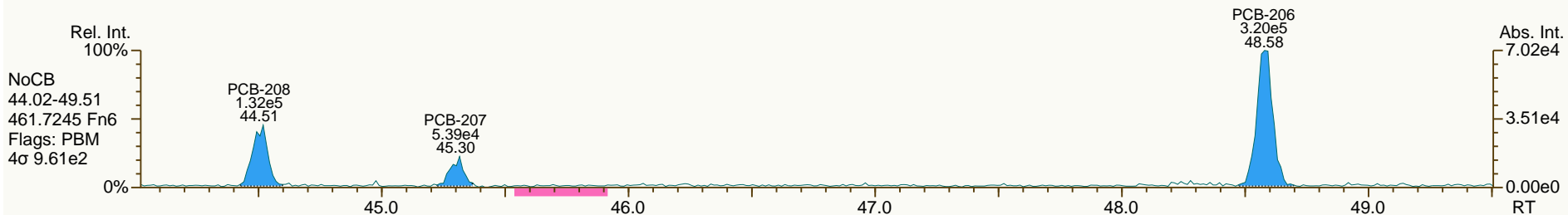
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SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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Acq: 02-Oct-2013 17:15:55
 User: JLJ Datafile: 131002V15



SGS-AP ID: A5941_11356_PCB_003
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-307-130919
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Lab ID: A5941_11356_PCB_004

ACQ: 02-Oct-2013 18:11:11 JLJ

Wt/Vol: 10.01 g

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Client ID: JW-BL-303-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 709-812-FQW

Datafile: 131002V16

RPT: 14-Oct-2013 15:47 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.82		1.0007	1.0005	-0.4	4.72E+05	0.73	1.37	6.09	3.32E+03	0.441
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.32E+03	0.447
PCB-105 233'44'-PeCB	34.82		1.0007	1.0007	0	3.19E+06	0.61	0.97	54.1	2.14E+03	0.386
PCB-114 2344'5'-PeCB	34.27		1.0007	1.0006	-0.2	1.70E+05	0.62	1.06	2.59	2.14E+03	0.338
PCB-118 23'44'5'-PeCB	33.82		1.0007	1.0007	0	6.57E+06	0.62	1.00	104	2.14E+03	0.373
PCB-123 23'44'5'-PeCB	33.53		1.0006	1.0006	0	1.76E+05	0.63	1.08	2.64	2.14E+03	0.338
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.47E+03	0.571
PCB-156/157 ...-HxCB	40.00	C	1.0005	1.0001	-1.0	1.48E+06	1.34	1.07	25.4	2.37E+03	0.613
PCB-167 23'44'55'-HxCB	39.03		1.0005	1.0004	-0.2	5.33E+05	1.22	1.11	8.08	2.37E+03	0.407
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.37E+03	1.38
PCB-189 233'44'55'-HpCB	44.91	EMPC	1.0004	1.0004	0	9.89E+04	1.28	1.10	1.48	2.24E+03	0.373
PCB-209 DeCB	49.95		1.0004	1.0004	0	6.32E+05	1.20	1.04	14.3	1.71E+03	0.434
ES PCB-1	11.21		0.7198	0.7210	+0.8	8.06E+06	3.24	0.95	42 %	25%	150%
ES PCB-3	13.39		0.8609	0.8610	+0.1	1.11E+07	3.25	0.85	64.1 %	25%	150%
ES PCB-4	13.63		0.8761	0.8765	+0.3	1.02E+07	1.52	0.67	75.3 %	25%	150%
ES PCB-15	19.21		1.2354	1.2352	-0.2	1.75E+07	1.60	0.94	92.1 %	25%	150%
ES PCB-19	16.62		1.0686	1.0686	0	9.19E+06	1.05	0.54	83.5 %	25%	150%
ES PCB-37	25.48		1.0819	1.0817	-0.3	1.37E+07	1.11	1.08	85.4 %	25%	150%
ES PCB-54	19.47		0.8267	0.8266	-0.1	1.27E+07	0.78	1.27	66.5 %	25%	150%
ES PCB-77	31.81		1.3503	1.3503	0	1.13E+07	0.77	0.84	90.1 %	25%	150%
ES PCB-81	31.33		1.3301	1.3300	-0.2	1.31E+07	0.81	0.98	89.5 %	25%	150%
ES PCB-104	24.41		0.8266	0.8265	-0.1	1.43E+07	1.56	1.69	79 %	25%	150%
ES PCB-105	34.80		1.1783	1.1783	0	1.21E+07	1.58	1.08	104 %	25%	150%
ES PCB-114	34.25		1.1599	1.1599	0	1.24E+07	1.51	1.11	104 %	25%	150%
ES PCB-118	33.79		1.1443	1.1444	+0.2	1.25E+07	1.53	1.13	103 %	25%	150%
ES PCB-123	33.51		1.1348	1.1348	0	1.23E+07	1.59	1.10	104 %	25%	150%
ES PCB-126	37.43		1.2676	1.2676	0	8.38E+06	1.51	1.17	66.4 %	25%	150%
ES PCB-153	35.39		0.9709	0.9709	0	1.23E+07	1.23	1.19	86.4 %	25%	150%
ES PCB-155	29.36		0.8056	0.8055	-0.2	1.41E+07	1.27	1.80	67.5 %	25%	150%
ES PCB-156/157	39.99		1.0973	1.0973	0	2.18E+07	1.26	1.13	83.6 %	25%	150%
ES PCB-167	39.01		1.0702	1.0703	+0.2	1.18E+07	1.23	1.20	85.1 %	25%	150%
ES PCB-169	42.74		1.1728	1.1728	0	3.09E+06	1.31	1.00	26.8 %	25%	150%
ES PCB-170	42.24		0.9050	0.9050	0	1.04E+07	1.04	1.24	91.6 %	25%	150%
ES PCB-180	41.17		0.8820	0.8820	0	1.24E+07	1.02	1.51	90.5 %	25%	150%
ES PCB-188	34.25		0.7338	0.7338	0	1.79E+07	1.01	2.06	75 %	25%	150%
ES PCB-189	44.89		0.9618	0.9618	0	1.21E+07	1.07	1.78	86.7 %	25%	150%
ES PCB-202	38.81		0.8315	0.8315	0	1.56E+07	0.82	1.66	81.5 %	25%	150%
ES PCB-205	47.08		1.0086	1.0086	0	8.30E+06	0.93	1.22	87.1 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	9.56E+06	0.81	1.23	98.8 %	25%	150%
ES PCB-208	44.48		0.9530	0.9531	+0.3	1.16E+07	0.78	1.60	92.2 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	8.51E+06	1.19	1.31	82.9 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High	
SS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.11	1.25	102 %	30%	135%	
SS PCB-111	31.83		1.0780	1.0780	0	1.40E+07	1.61	1.15	98.9 %	30%	135%	
SS PCB-178	36.83		1.0104	1.0105	+0.2	1.10E+07	0.97	0.54	115 %	30%	135%	
CS PCB-28	21.94		0.9317	0.9315	-0.3	1.75E+07	1.11	1.34	87 %	30%	135%	
CS PCB-111	31.83		1.0780	1.0780	0	1.40E+07	1.61	1.27	103 %	30%	135%	
CS PCB-178	36.83		1.0104	1.0105	+0.2	1.10E+07	0.97	1.11	86.2 %	30%	135%	
JS PCB-9	15.55					2.02E+07	1.60					
JS PCB-52	23.55					1.49E+07	0.74					
JS PCB-101	29.53					1.08E+07	1.54					
JS PCB-138	36.45					1.16E+07	1.27					
JS PCB-194	46.67					7.84E+06	0.88					
			Totals			NON-EMPC		EMPC		DL		
			Mono-CBs			19.6		19.6		0.36		
			Di-CBs			23.8		29.8		0.597		
			Tri-CBs			77.1		80.1		0.579		
			Tetra-CBs			256		259		0.435		
			Penta-CBs			672		674		0.368		
			Hexa-CBs			769		771		0.65		
			Hepta-CBs			407		411		0.397		
			Octa-CBs			206		207		0.419		
			Nona-CBs			55.8		55.8		0.603		
PCB-1 2-MoCB	11.22		1.0011	1.0009	-0.1	3.08E+05	2.93	1.19	6.41	2.99E+03	0.393	
PCB-2 3-MoCB	13.23		0.9878	0.9879	+0.1	2.20E+05	3.27	1.19	3.34	2.99E+03	0.343	
PCB-3 4-MoCB	13.40		1.0010	1.0012	+0.2	6.79E+05	3.11	1.24	9.87	2.99E+03	0.328	
PCB-4 22'-DiCB	13.64		1.0011	1.0011	0	8.21E+04	SI	0.88	1.83	3.42E+03	0.564	
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.42E+03	0.362	
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	6.10E+03	0.747	
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	6.10E+03	0.67	
PCB-6 23'-DiCB	15.94		1.0255	1.0253	-0.2	1.26E+05	SI	0.90	1.59	6.10E+03	0.708	
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	6.10E+03	0.701	
PCB-8 24'-DiCB	16.36		1.0519	1.0519	0	6.74E+05	1.45	0.94	8.22	6.10E+03	0.681	
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	6.10E+03	0.584	
PCB-11 33'-DiCB	18.65	B	EMPC	0.9712	0.9711	-0.1	4.77E+05	1.29	0.91	6.01	6.10E+03	0.704
PCB-13/12 34'/34-DiCB	18.93	C		0.9862	0.9856	-0.7	1.71E+05	SI	0.91	2.14	6.10E+03	0.699
PCB-15 44'-DiCB	19.22		1.0007	1.0007	0	8.89E+05	1.49	1.01	10	6.10E+03	0.63	
PCB-19 22'6-TrCB	16.63		1.0011	1.0011	0	4.83E+04	0.92	0.92	1.14	3.38E+03	0.689	
PCB-30/18 246/22'5-TrCB	18.37	C		1.1054	1.1057	+0.3	3.56E+05	0.95	1.18	6.57	3.38E+03	0.541
PCB-17 22'4-TrCB	18.76		1.1291	1.1289	-0.2	1.50E+05	1.06	1.02	3.19	3.38E+03	0.622	
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.38E+03	0.472	
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.38E+03	0.48	
PCB-16 22'3-TrCB	19.17		1.1538	1.1539	+0.1	1.18E+05	1.08	0.76	3.4	3.38E+03	0.842	

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.65		1.1826	1.1824	-0.2	2.23E+05	1.02	1.46	3.31	3.38E+03	0.435
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	4.42E+03	0.47
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	4.42E+03	0.456
PCB-26/29 23'5'/245-TrCB	21.20	J EMPC C	0.8329	0.8320	-1.1	1.83E+05	1.30	1.37	1.95	4.42E+03	0.464
PCB-25 23'4-TrCB	21.42	EMPC	0.8406	0.8406	0	1.02E+05	1.29	1.43	1.04	4.42E+03	0.444
PCB-31 24'5-TrCB	21.69		0.8514	0.8514	0	1.42E+06	1.08	1.44	14.3	4.42E+03	0.441
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	1.78E+06	1.03	1.33	19.5	4.42E+03	0.477
PCB-21/33 234/23'4'-TrCB	22.17	C	0.8692	0.8703	+1.5	7.21E+05	1.06	1.39	7.57	4.42E+03	0.457
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	5.09E+05	0.96	1.29	5.75	4.42E+03	0.492
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	4.42E+03	0.461
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	4.42E+03	0.444
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	4.42E+03	0.495
PCB-35 33'4-TrCB	25.14	J	0.9866	0.9866	0	6.49E+04	1.07	1.20	0.785	4.42E+03	0.527
PCB-37 344'-TrCB	25.50		1.0008	1.0007	-0.2	1.07E+06	1.00	1.35	11.6	4.42E+03	0.468
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	3.10E+03	0.393
PCB-50/53 22'46/22'56'-TeCB	21.44	C	0.9113	0.9103	-1.3	2.30E+05	0.71	0.93	3.77	2.54E+03	0.441
PCB-45 22'36-TeCB	22.04		0.9357	0.9357	0	1.55E+05	0.71	0.79	2.99	2.54E+03	0.519
PCB-51 22'46'-TeCB	22.11	J	0.9389	0.9389	0	4.02E+04	0.84	0.97	0.629	2.54E+03	0.422
PCB-46 22'36'-TeCB	22.32		0.9475	0.9476	+0.1	6.53E+04	0.81	0.78	1.28	2.54E+03	0.529
PCB-52 22'55'-TeCB	23.58		1.0010	1.0009	-0.1	2.65E+06	0.77	0.91	44.4	2.54E+03	0.452
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.54E+03	0.359
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.54E+03	0.496
PCB-69/49 23'46/22'45'-TeCB	24.01	C	1.0187	1.0194	+1.0	1.12E+06	0.78	1.09	15.7	2.54E+03	0.375
PCB-48 22'45-TeCB	24.27		1.0304	1.0303	-0.1	1.96E+05	0.73	0.91	3.29	2.54E+03	0.452
PCB-44/47/65 ...-TeCB	24.46	C	1.0396	1.0383	-1.9	1.73E+06	0.73	0.97	27.1	2.54E+03	0.422
PCB-59/62/75 ...-TeCB	24.75	J C	1.0512	1.0508	-0.6	1.59E+05	0.68	1.22	1.99	2.54E+03	0.336
PCB-42 22'34'-TeCB	24.92		1.0580	1.0580	0	3.29E+05	0.73	0.87	5.78	2.54E+03	0.474
PCB-41 22'34-TeCB	25.25	EMPC	1.0721	1.0718	-0.5	5.69E+04	0.56	0.77	1.13	2.54E+03	0.534
PCB-71/40 23'4'6/22'33'-TeCB	25.35	C	1.0762	1.0761	-0.2	6.75E+05	0.76	0.93	11.1	2.54E+03	0.441
PCB-64 234'6-TeCB	25.55		1.0847	1.0846	-0.2	9.54E+05	0.80	1.32	11	2.54E+03	0.312
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.32E+03	0.487
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.32E+03	0.404
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.32E+03	0.45
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.32E+03	0.437
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.32E+03	0.415
PCB-63 234'5-TeCB	27.48	J EMPC	0.8771	0.8772	+0.2	7.06E+04	0.92	1.34	0.805	3.32E+03	0.402
PCB-61/70/74/76 ...-TeCB	27.78	C	0.8864	0.8867	+0.5	5.02E+06	0.77	1.23	62.2	3.32E+03	0.437
PCB-66 23'44'-TeCB	28.05		0.8953	0.8955	+0.3	2.64E+06	0.75	1.16	34.8	3.32E+03	0.465
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.32E+03	0.46
PCB-56 233'4'-TeCB	28.63		0.9138	0.9139	+0.2	1.19E+06	0.76	1.15	15.7	3.32E+03	0.466
PCB-60 2344'-TeCB	28.82		0.9199	0.9199	0	6.55E+05	0.76	1.18	8.47	3.32E+03	0.456
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.32E+03	0.39
PCB-79 33'45'-TeCB	30.48	J EMPC	0.9730	0.9731	+0.2	6.03E+04	0.54	1.35	0.683	3.32E+03	0.399
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.32E+03	0.497
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.66E+03	0.199
PCB-96 22'366'-PeCB	24.74	J EMPC	1.0136	1.0136	0	3.69E+04	0.90	0.97	0.527	1.66E+03	0.229
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.14E+03	0.451
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.14E+03	0.528

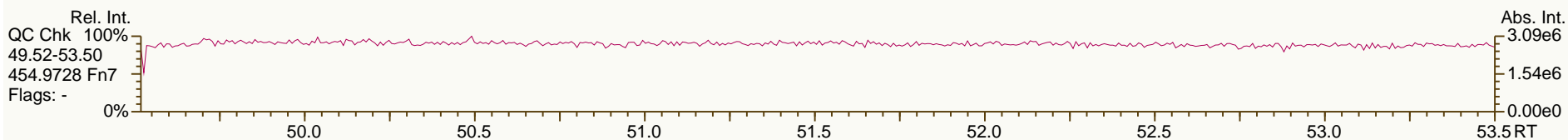
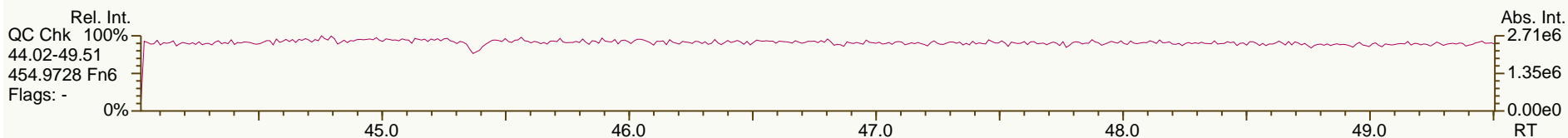
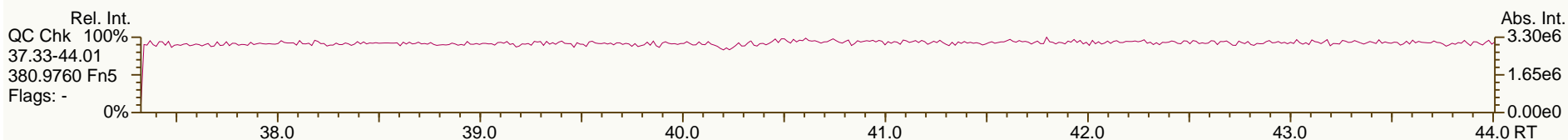
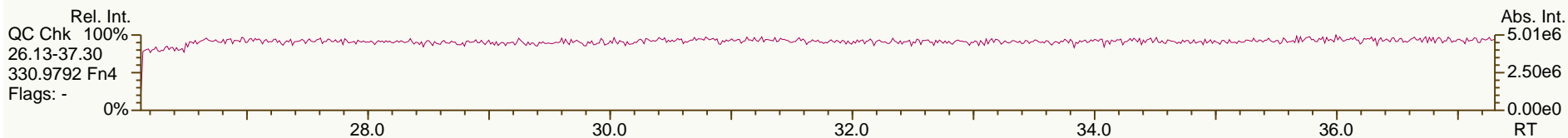
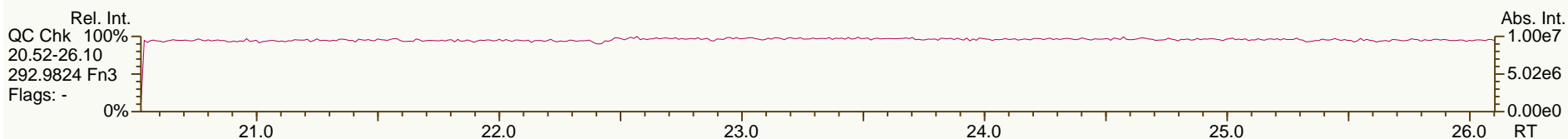
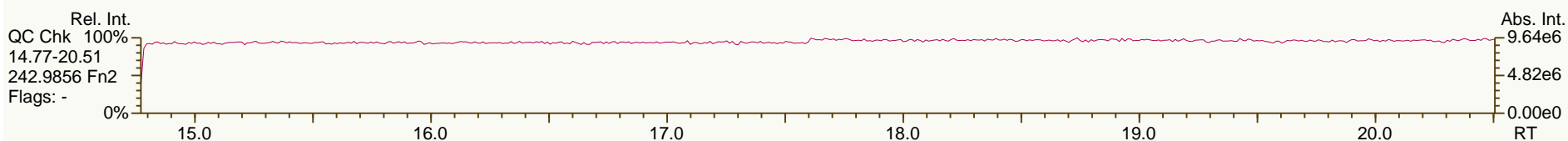
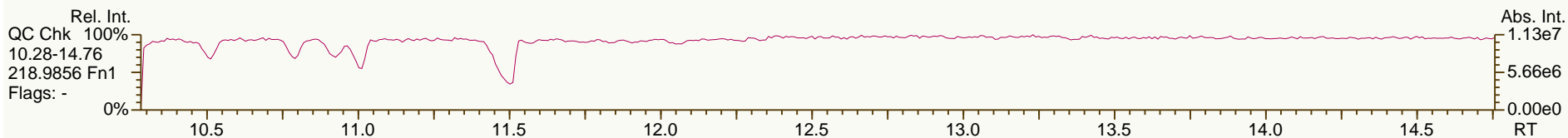
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.00		0.9145	0.9145	0	2.99E+06	0.60	0.74	65.2	2.14E+03	0.49
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.14E+03	0.483
PCB-102 22'456'-PeCB	27.33		0.9256	0.9256	0	1.05E+05	0.62	0.86	2	2.14E+03	0.426
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.14E+03	0.536
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.14E+03	0.531
PCB-91 22'34'6-PeCB	27.76		0.9401	0.9401	0	5.83E+05	0.63	0.87	10.9	2.14E+03	0.421
PCB-84 22'33'6-PeCB	27.95		0.9464	0.9464	0	8.87E+05	0.62	0.64	22.4	2.14E+03	0.567
PCB-89 22'346'-PeCB	28.36	J EMPC	0.9606	0.9605	-0.2	3.69E+04	0.51	0.70	0.859	2.14E+03	0.524
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.14E+03	0.341
PCB-92 22'355'-PeCB	29.04		0.9835	0.9835	0	6.73E+05	0.65	0.73	14.9	2.14E+03	0.498
PCB-113/90/101 ...-PeCB	29.55	C	0.9999	1.0007	+1.4	4.36E+06	0.63	0.87	81.1	2.14E+03	0.418
PCB-83 22'33'5-PeCB	29.95		1.0145	1.0144	-0.2	1.95E+05	0.61	0.65	4.87	2.14E+03	0.563
PCB-99 22'44'5-PeCB	30.06		1.0179	1.0179	0	2.35E+06	0.61	0.78	48.8	2.14E+03	0.466
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.14E+03	0.366
PCB-108/119/86/97/125...-PeCB	30.53	C	1.0329	1.0339	+1.8	3.23E+06	0.61	0.87	60.5	2.14E+03	0.421
PCB-117 234'56-PeCB	31.04		1.0510	1.0511	+0.2	2.14E+05	0.57	1.00	3.46	2.14E+03	0.364
PCB-116/85 23456/22'344'-PeCB	31.11	C	1.0539	1.0536	-0.6	9.73E+05	0.60	0.81	19.4	2.14E+03	0.448
PCB-110 233'4'6-PeCB	31.24		1.0580	1.0580	0	9.25E+06	0.61	1.01	148	2.14E+03	0.36
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.14E+03	0.376
PCB-82 22'33'4-PeCB	31.52		1.0674	1.0673	-0.2	4.55E+05	0.67	0.63	11.8	2.14E+03	0.581
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.14E+03	0.34
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.14E+03	0.341
PCB-107/124 ...-PeCB	33.22	C	0.9913	0.9914	+0.2	2.83E+05	0.61	0.95	4.81	2.14E+03	0.382
PCB-109 233'46-PeCB	33.43		0.9974	0.9975	+0.2	5.54E+05	0.61	1.10	8.18	2.14E+03	0.332
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.14E+03	0.362
PCB-122 233'4'5'-PeCB	34.10		1.0092	1.0091	-0.2	1.17E+05	0.59	0.88	2.13	2.14E+03	0.406
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.14E+03	0.386
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.72E+03	0.204
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.72E+03	0.225
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.72E+03	0.226
PCB-136 22'33'66'-HxCB	29.98		1.0210	1.0210	0	1.18E+06	1.24	0.98	17	1.72E+03	0.251
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.72E+03	0.241
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.72E+03	0.274
PCB-151/135 ...-HxCB	32.05	C	1.0918	1.0918	0	2.21E+06	1.23	1.00	36	1.72E+03	0.282
PCB-154 22'44'56'-HxCB	32.28		1.0991	1.0993	+0.4	8.01E+04	1.29	1.14	1.14	1.72E+03	0.247
PCB-144 22'345'6-HxCB	32.53		1.1079	1.1079	0	2.90E+05	1.26	1.03	4.56	1.72E+03	0.272
PCB-147/149 ...-HxCB	32.83	C	1.1182	1.1182	0	7.57E+06	1.25	1.05	117	1.72E+03	0.267
PCB-134 22'33'56-HxCB	33.01		1.1239	1.1242	+0.6	4.07E+05	1.22	0.77	8.54	1.72E+03	0.363
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.72E+03	0.266
PCB-139/140 ...-HxCB	33.35	C	1.1359	1.1359	0	2.10E+05	1.24	1.05	3.23	1.72E+03	0.267
PCB-131 22'33'46-HxCB	33.52	EMPC	1.1417	1.1418	+0.2	9.25E+04	1.02	0.91	1.66	1.72E+03	0.31
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.72E+03	0.308
PCB-132 22'33'46'-HxCB	33.90		1.1547	1.1548	+0.2	2.70E+06	1.31	0.93	47.1	1.72E+03	0.302
PCB-133 22'33'55'-HxCB	34.32		1.1690	1.1691	+0.2	1.82E+05	1.22	0.98	3.03	1.72E+03	0.288
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.72E+03	0.234
PCB-146 22'34'55'-HxCB	34.88		0.9570	0.9570	0	1.68E+06	1.25	1.09	25	1.72E+03	0.259
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.72E+03	0.207
PCB-153/168 ...-HxCB	35.41	C	0.9720	0.9715	-1.1	1.05E+07	1.22	1.32	128	1.72E+03	0.212

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.57		0.9759	0.9759	0	1.38E+06	1.20	1.02	21.9	1.72E+03	0.274
PCB-130 22'33'45'-HxCB	35.92		0.9854	0.9855	+0.2	7.76E+05	1.25	0.89	14.1	1.72E+03	0.315
PCB-137 22'344'5'-HxCB	36.11		0.9908	0.9908	0	6.19E+05	1.16	1.09	9.18	1.72E+03	0.257
PCB-164 233'4'5'6'-HxCB	36.20		0.9932	0.9931	-0.2	1.22E+06	1.27	1.28	15.5	1.72E+03	0.22
PCB-163/138/129 ...-HxCB	36.47	C	1.0011	1.0007	-0.9	1.43E+07	1.26	1.06	218	1.72E+03	0.264
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.72E+03	0.236
PCB-158 233'44'6'-HxCB	36.81		1.0099	1.0099	0	1.69E+06	1.22	1.37	20	1.72E+03	0.205
PCB-128/166 ...-HxCB	37.56	C	0.9625	0.9628	+0.7	2.19E+06	1.25	0.86	42.7	2.37E+03	0.525
PCB-159 233'455'-HxCB	38.35		0.9838	0.9831	-1.6	1.32E+05	1.27	1.03	2.17	2.37E+03	0.44
PCB-162 233'4'55'-HxCB	38.62	J	0.9901	0.9899	-0.5	5.23E+04	1.30	1.03	0.858	2.37E+03	0.441
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.60E+03	0.188
PCB-179 22'33'566'-HpCB	34.55		1.0087	1.0087	0	1.44E+06	1.03	0.87	18.6	1.60E+03	0.197
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.60E+03	0.202
PCB-176 22'33'466'-HpCB	35.30		1.0308	1.0309	+0.2	3.76E+05	1.05	0.95	4.45	1.60E+03	0.18
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.60E+03	0.194
PCB-178 22'33'55'6'-HpCB	36.85		1.0759	1.0760	+0.2	6.12E+05	1.00	0.63	10.9	1.60E+03	0.271
PCB-175 22'33'45'6'-HpCB	37.41	J EMPC	1.0919	1.0923	+0.9	5.29E+04	1.25	0.86	0.99	2.57E+03	0.506
PCB-187 22'34'55'6'-HpCB	37.63		1.0986	1.0987	+0.2	4.89E+06	1.06	0.97	80.8	2.57E+03	0.447
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.57E+03	0.43
PCB-183 22'344'5'6'-HpCB	38.15		1.1139	1.1141	+0.5	1.66E+06	0.99	1.00	26.5	2.57E+03	0.433
PCB-185 22'3455'6'-HpCB	38.24		1.1163	1.1165	+0.5	1.90E+05	1.14	0.90	3.39	2.57E+03	0.483
PCB-174 22'33'456'-HpCB	38.35		1.1196	1.1197	+0.2	2.56E+06	1.00	0.86	47.6	2.57E+03	0.503
PCB-177 22'33'45'6'-HpCB	38.72		1.1305	1.1307	+0.5	1.49E+06	1.08	0.82	29.2	2.57E+03	0.531
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.57E+03	0.455
PCB-171/173 ...-HpCB	39.26	C	1.1461	1.1465	+0.9	7.21E+05	1.01	0.82	14.2	2.57E+03	0.532
PCB-172 22'33'455'-HpCB	40.63		0.9050	0.9051	+0.2	4.07E+05	1.04	0.83	7.85	2.57E+03	0.522
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.57E+03	0.399
PCB-180/193 ...-HpCB	41.19	C	0.9168	0.9175	+1.7	6.76E+06	1.03	1.03	106	2.57E+03	0.423
PCB-191 233'44'5'6'-HpCB	41.48	EMPC	0.9242	0.9241	-0.2	1.27E+05	1.20	1.14	1.79	2.57E+03	0.381
PCB-170 22'33'44'5'-HpCB	42.26		0.9414	0.9415	+0.3	2.41E+06	1.02	0.96	48.2	2.57E+03	0.526
PCB-190 233'44'56-HpCB	42.71		0.9515	0.9515	0	6.25E+05	1.00	1.28	9.31	2.57E+03	0.392
PCB-202 22'33'55'66'-OCCB	38.83		1.0006	1.0005	-0.2	1.08E+06	0.92	0.86	16	2.08E+03	0.321
PCB-201 22'33'45'66'-OCCB	39.62		1.0209	1.0209	0	4.26E+05	0.76	0.97	5.63	2.08E+03	0.286
PCB-204 22'344'566'-OCCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	2.08E+03	0.307
PCB-197 22'33'44'66'-OCCB	40.38	J EMPC	1.0407	1.0406	-0.2	7.06E+04	0.74	1.00	0.9	2.08E+03	0.276
PCB-200 22'33'4566'-OCCB	40.48		1.0430	1.0430	0	4.43E+05	0.86	0.88	6.4	2.08E+03	0.313
PCB-198/199 ...-OCCB	42.86	C	1.1037	1.1043	+1.5	3.35E+06	0.90	0.66	64.6	2.08E+03	0.417
PCB-196 22'33'44'56'-OCCB	43.42		1.1186	1.1187	+0.3	9.21E+05	0.91	0.68	17.2	2.08E+03	0.404
PCB-203 22'344'55'6'-OCCB	43.58		1.1230	1.1230	0	2.17E+06	0.89	0.71	38.9	2.08E+03	0.388
PCB-195 22'33'44'56-OCCB	44.71		0.9498	0.9498	0	4.72E+05	0.92	0.81	14.1	2.17E+03	0.698
PCB-194 22'33'44'55'-OCCB	46.69		0.9918	0.9919	+0.3	1.49E+06	0.90	0.87	41.1	2.17E+03	0.648
PCB-205 233'44'55'6'-OCCB	47.10		1.0004	1.0004	0	8.45E+04	0.83	1.09	1.86	2.17E+03	0.517
PCB-208 22'33'455'66'-NoCB	44.51		1.0005	1.0005	0	6.64E+05	0.76	1.00	11.5	2.62E+03	0.502
PCB-207 22'33'44'566'-NoCB	45.30		1.0184	1.0183	-0.3	2.34E+05	0.84	0.99	4.06	2.62E+03	0.505
PCB-206 22'33'44'55'6'-NoCB	48.58		1.0004	1.0004	0	1.64E+06	0.76	0.85	40.2	2.62E+03	0.704

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Instr: AutoSpec-Premier MM6

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VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

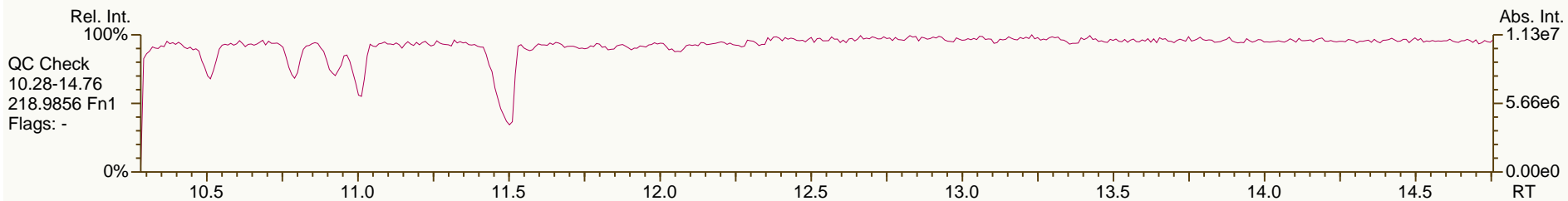
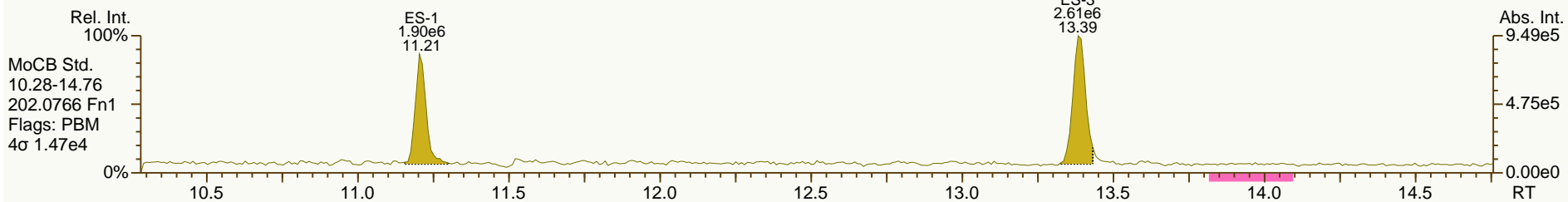
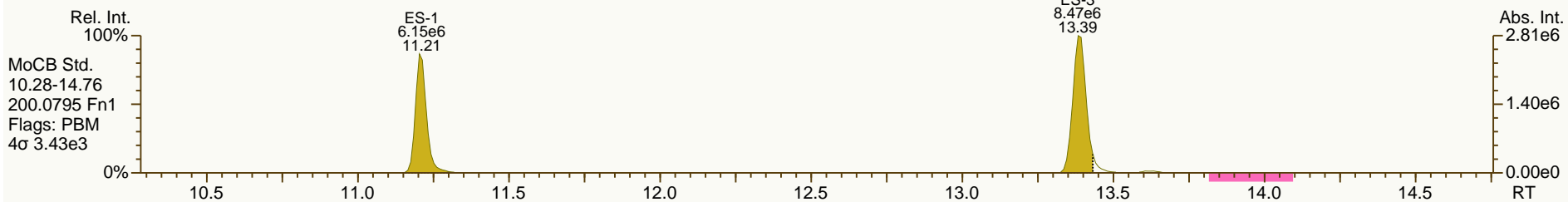
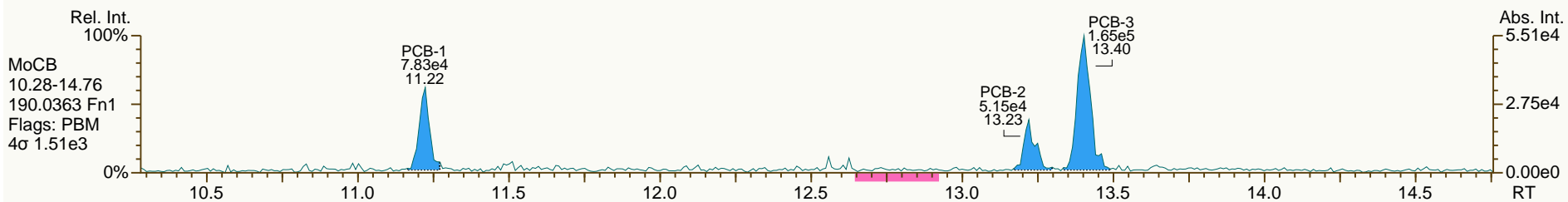
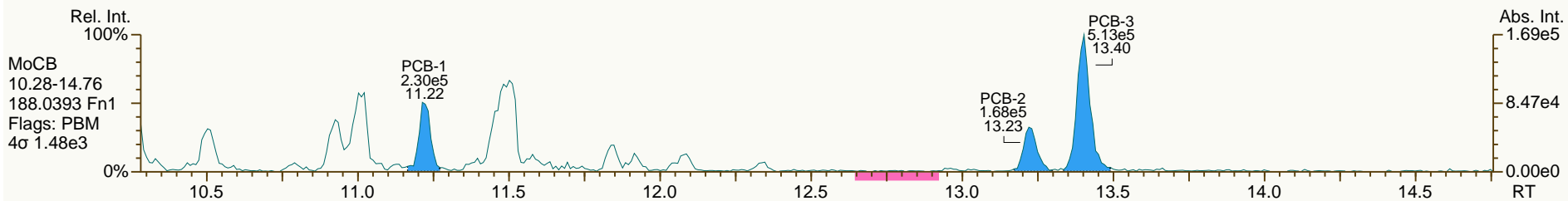
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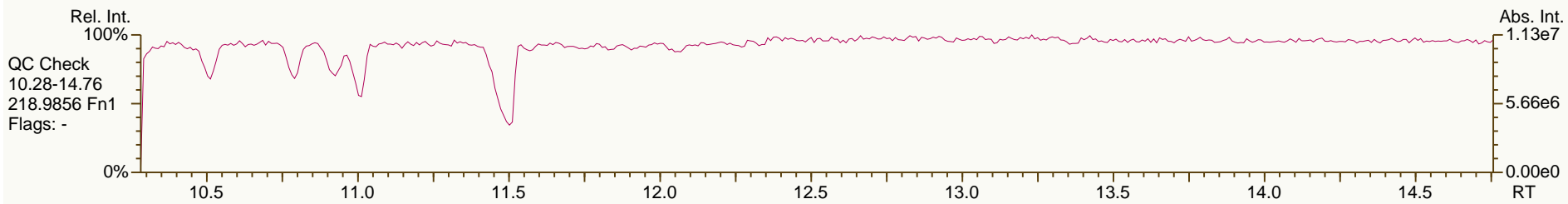
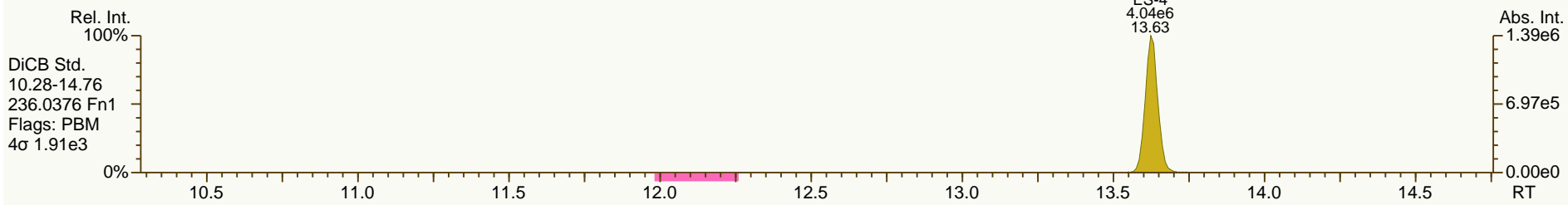
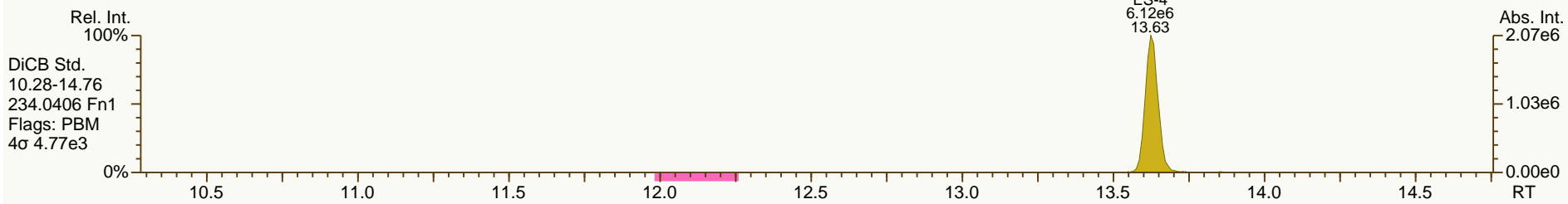
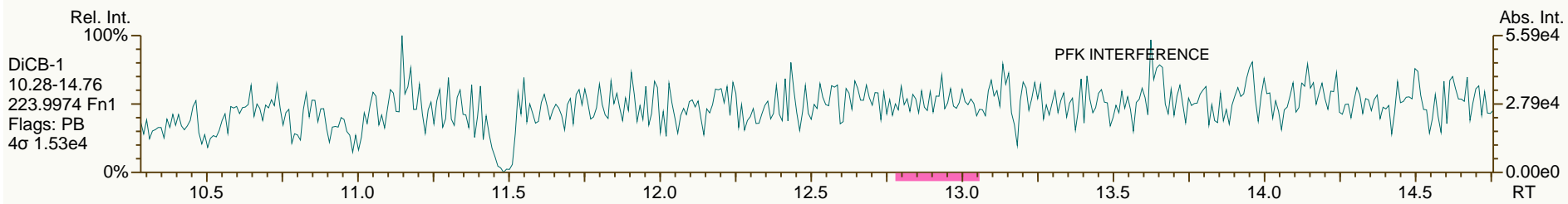
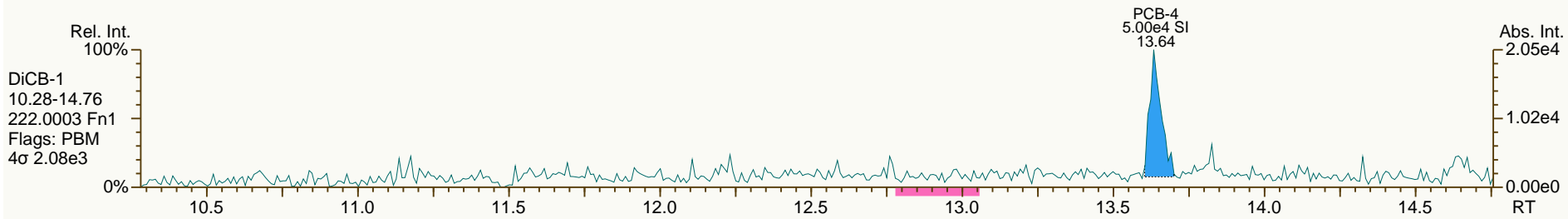
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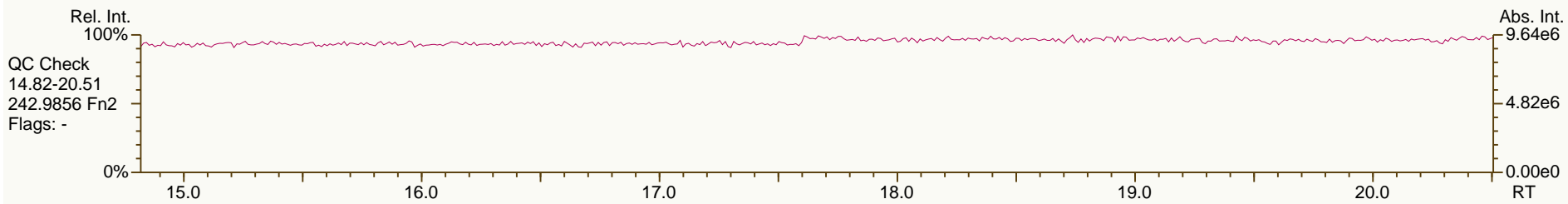
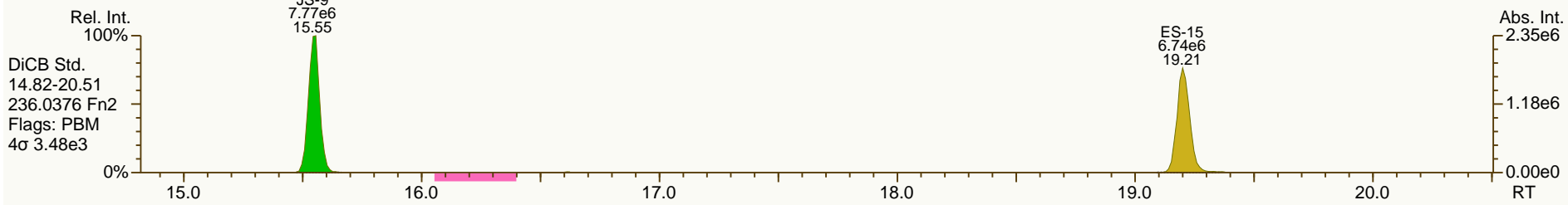
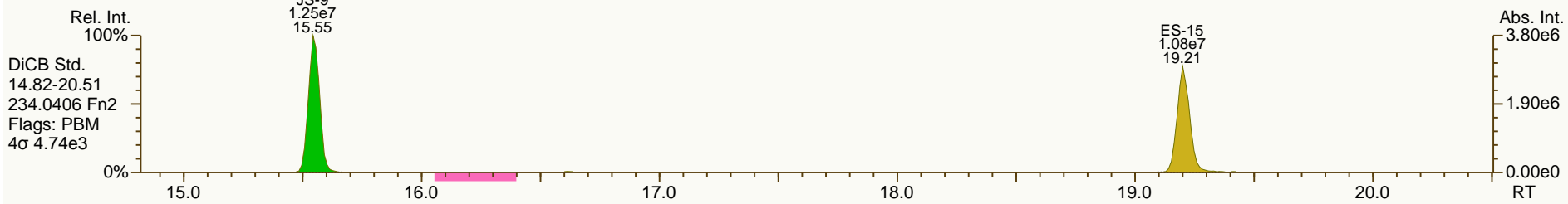
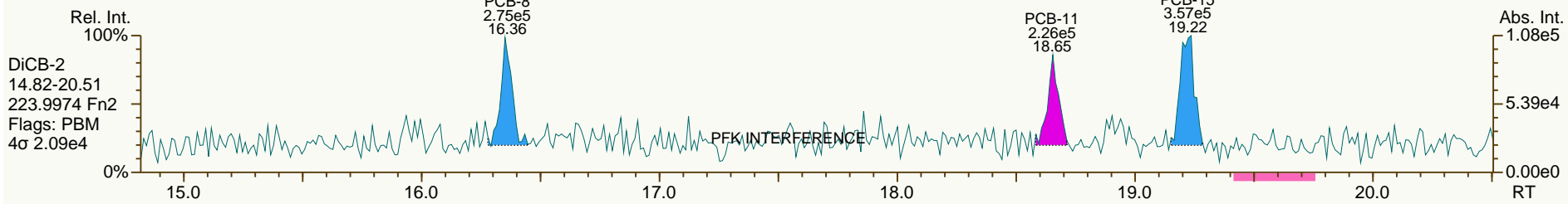
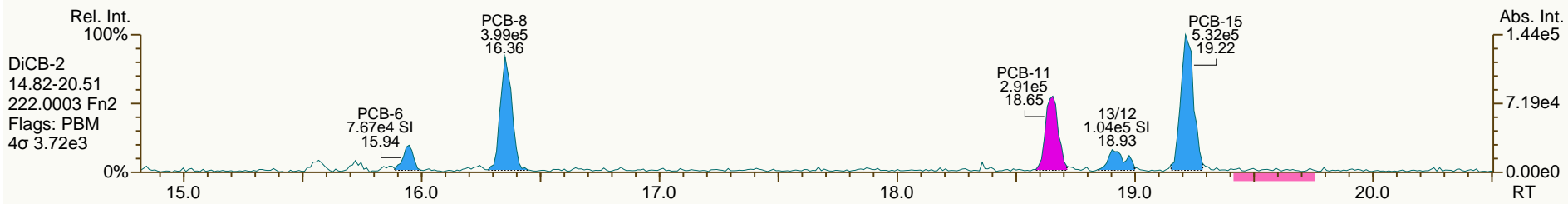
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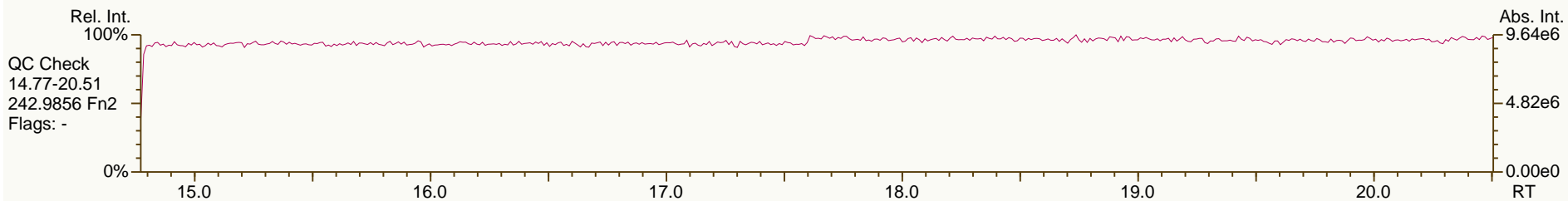
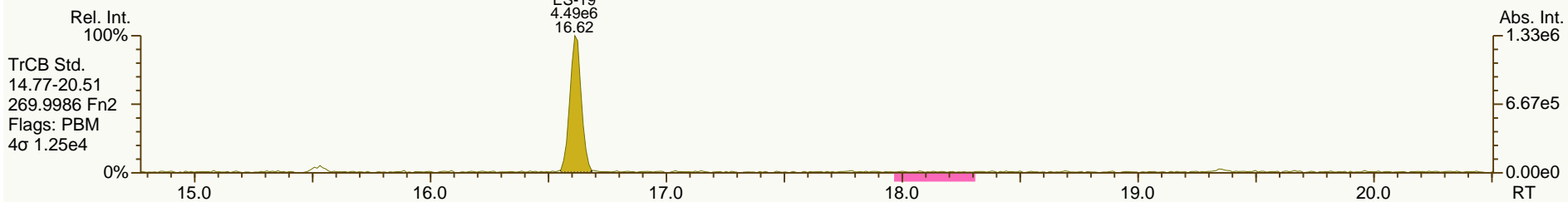
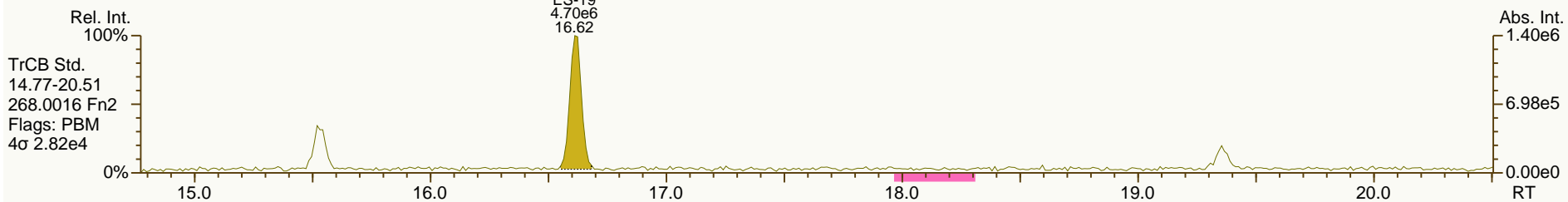
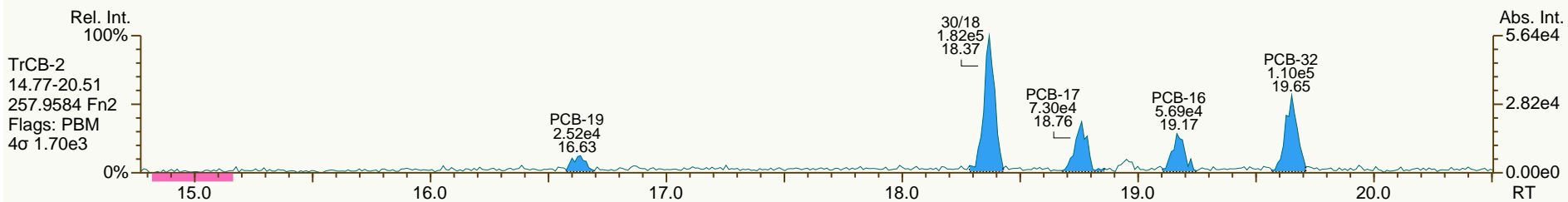
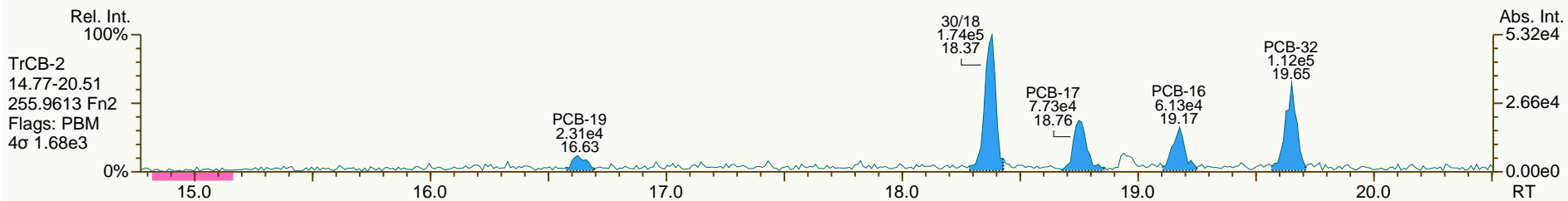
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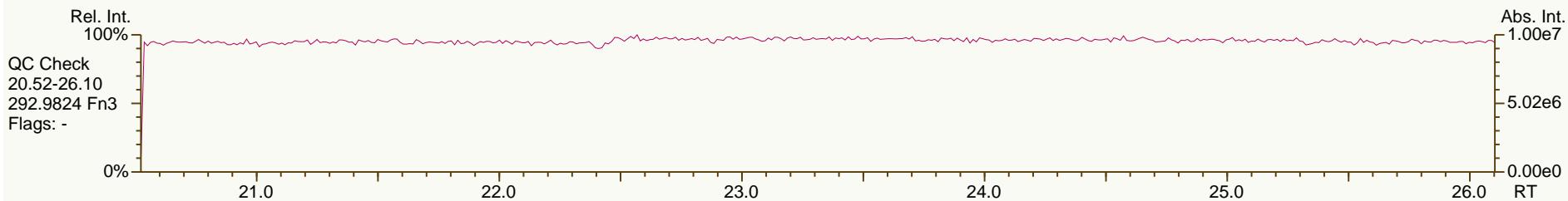
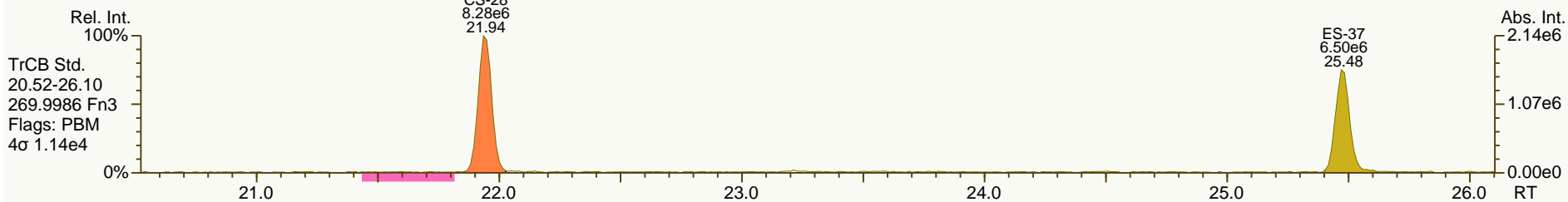
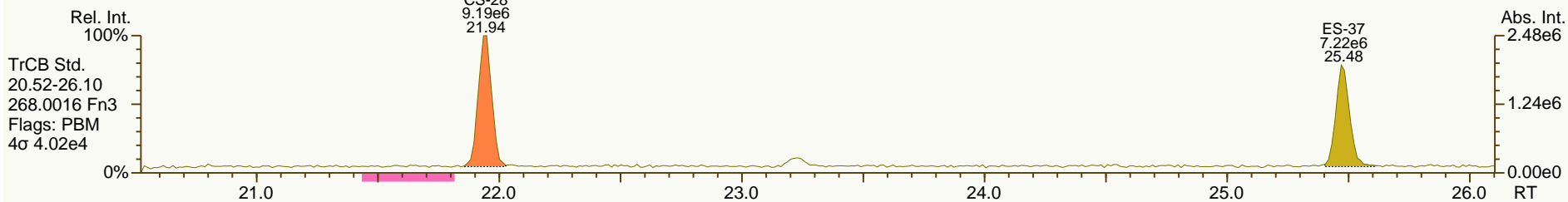
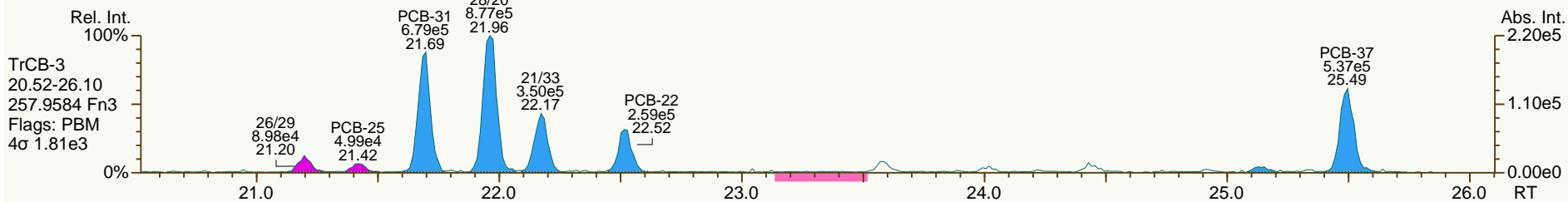
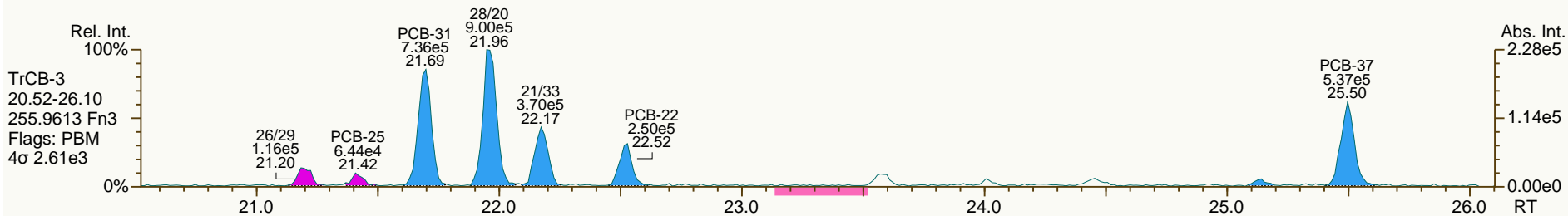
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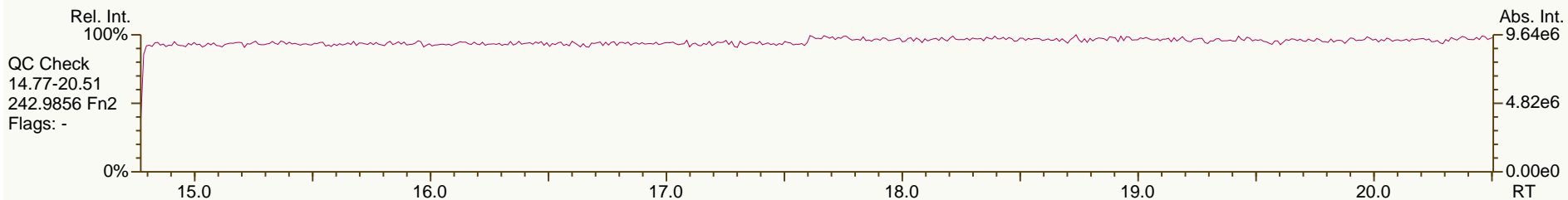
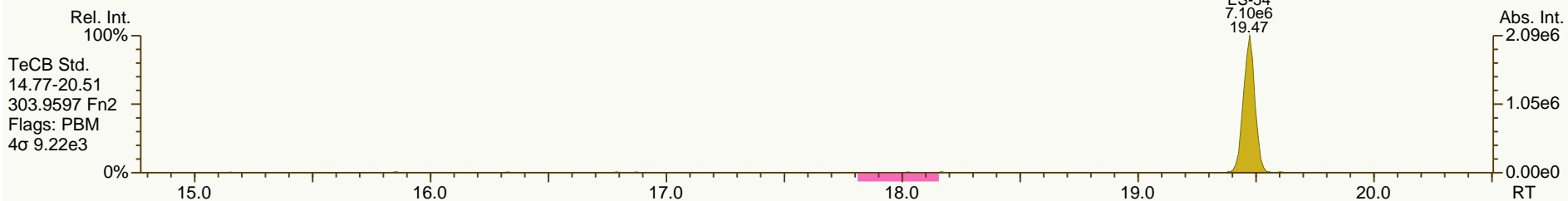
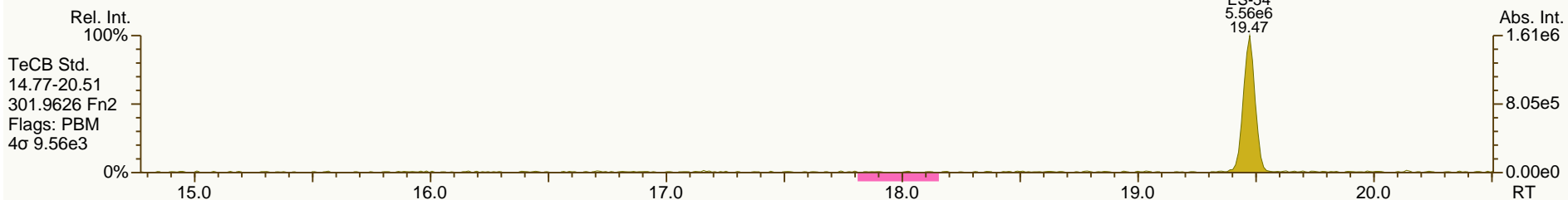
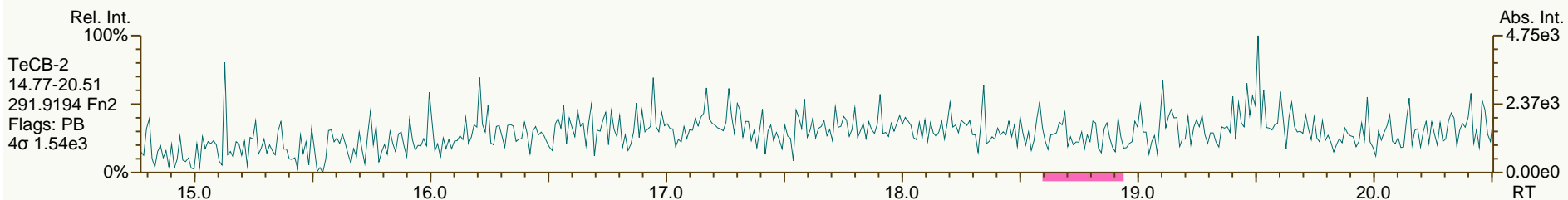
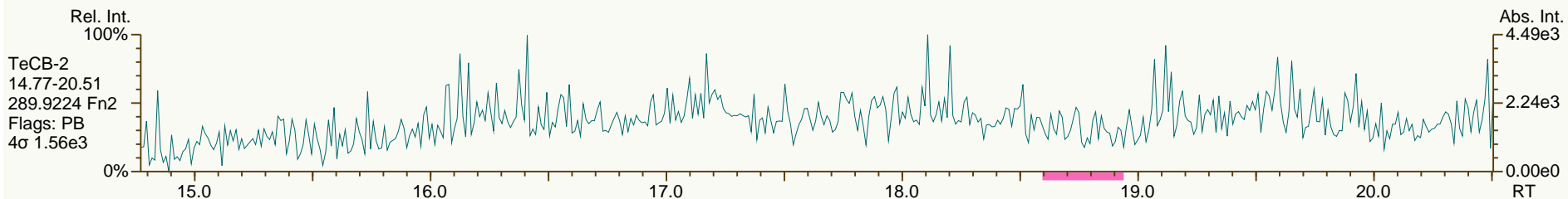
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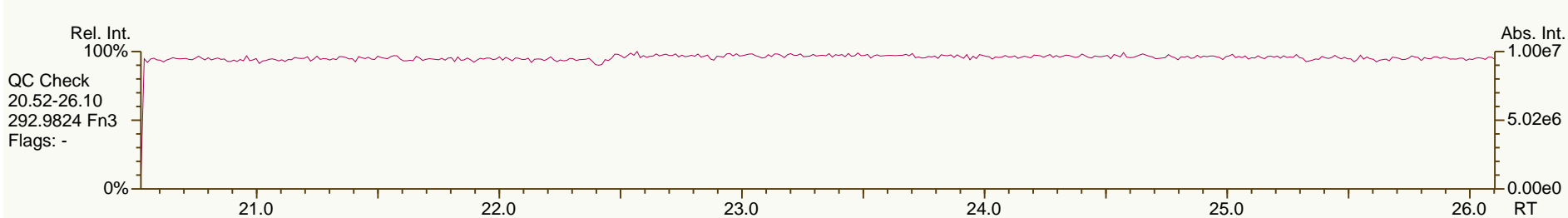
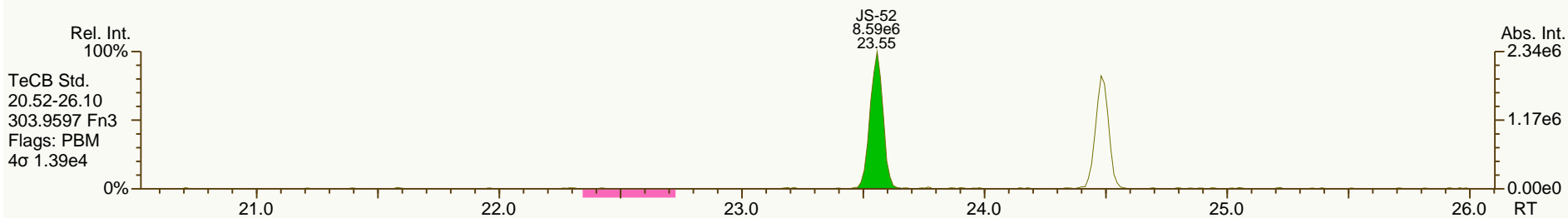
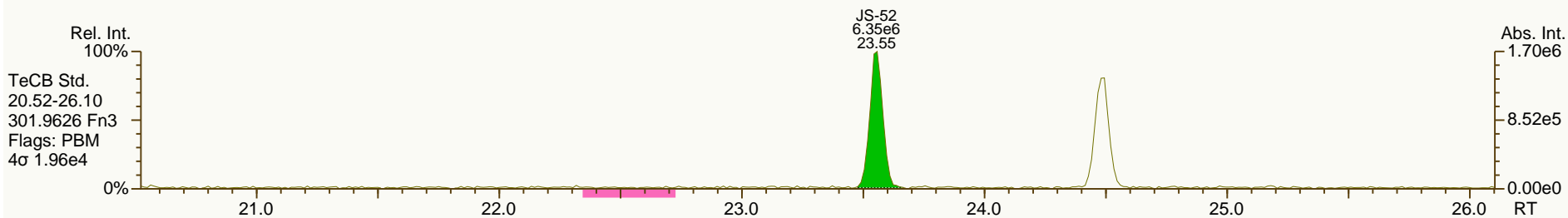
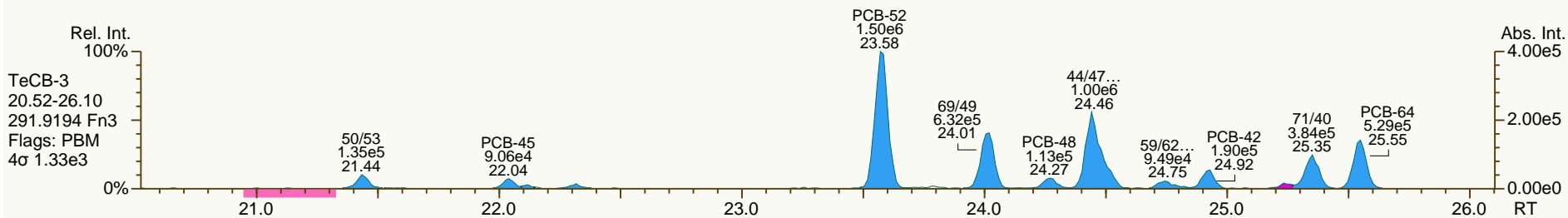
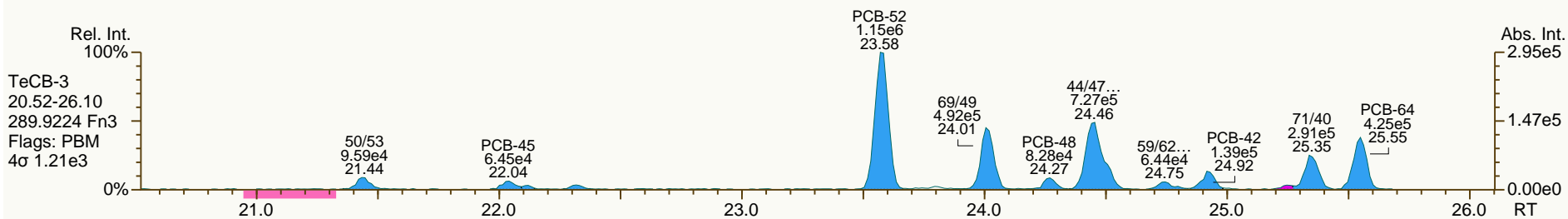
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

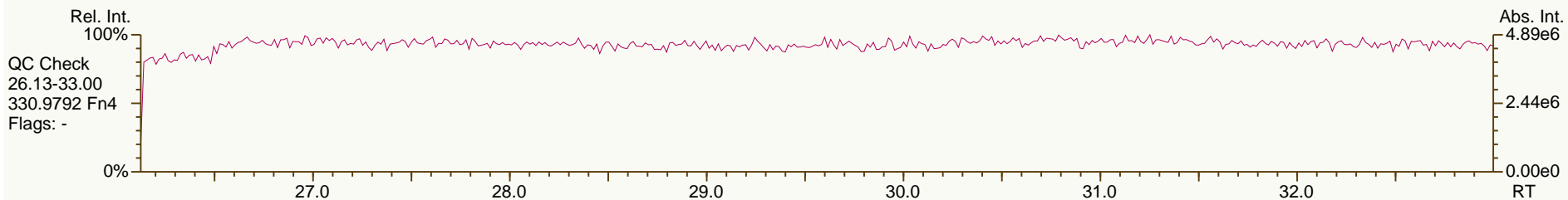
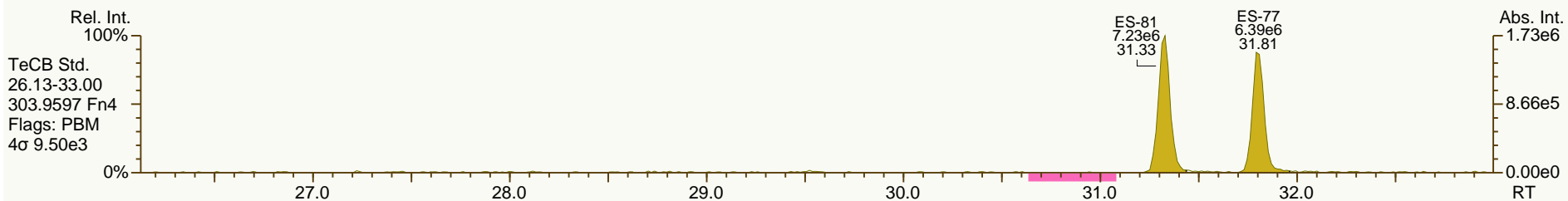
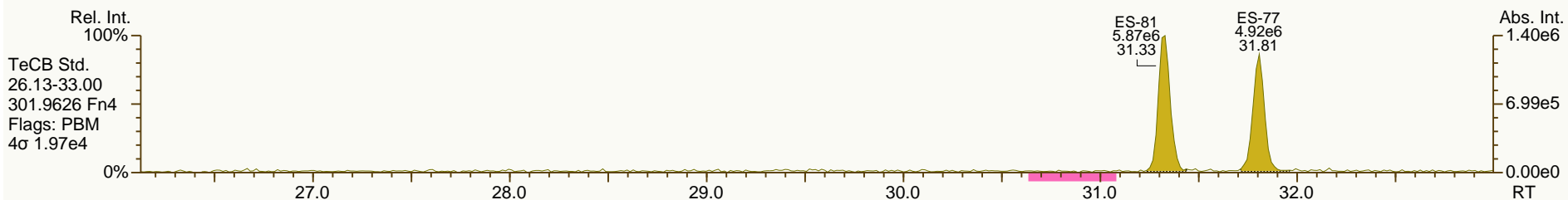
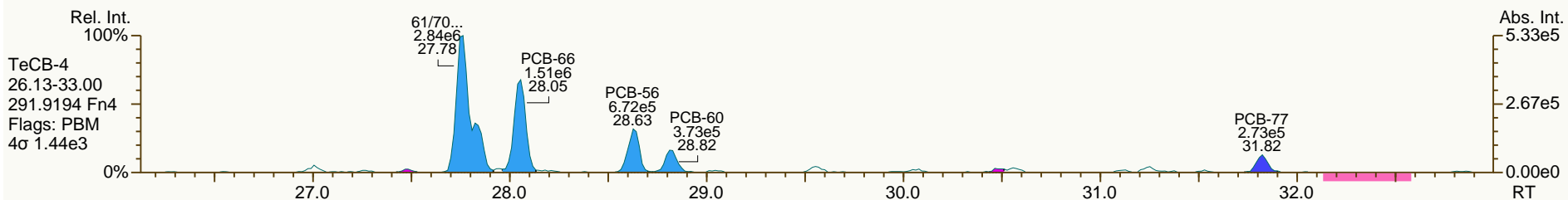
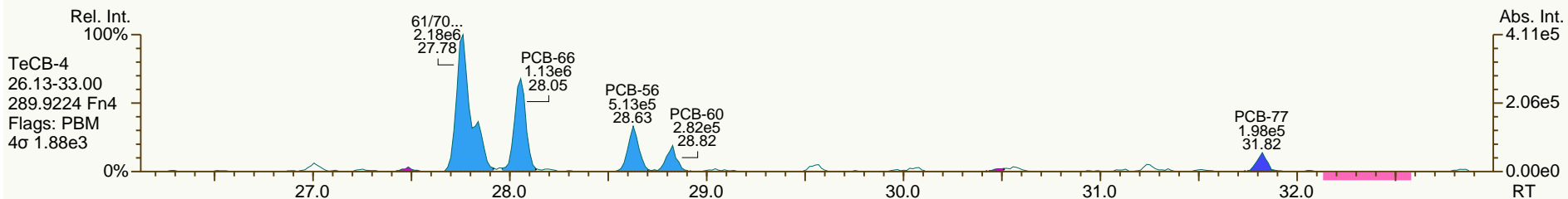
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

Acq: 02-Oct-2013 18:11:11
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

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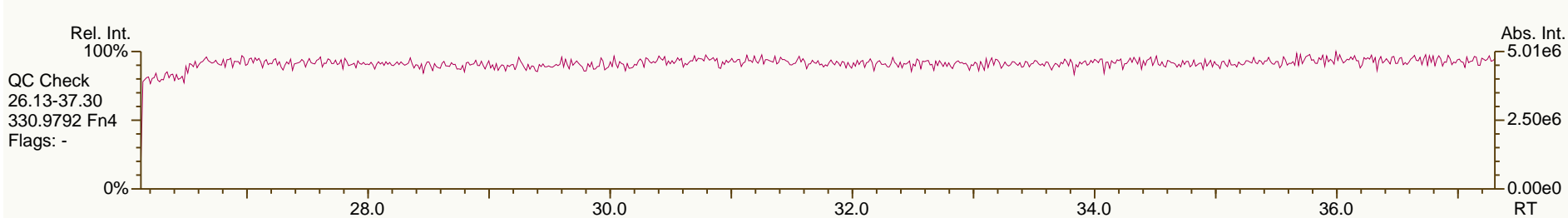
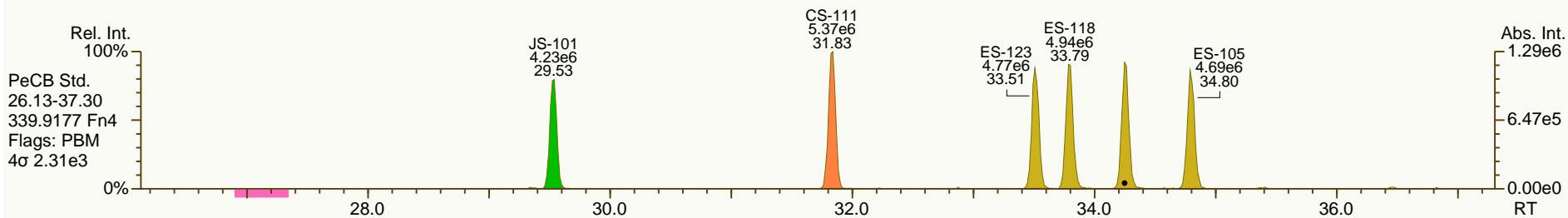
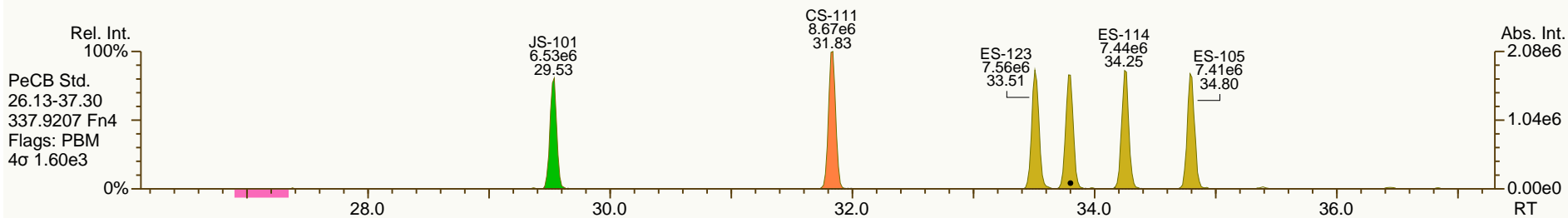
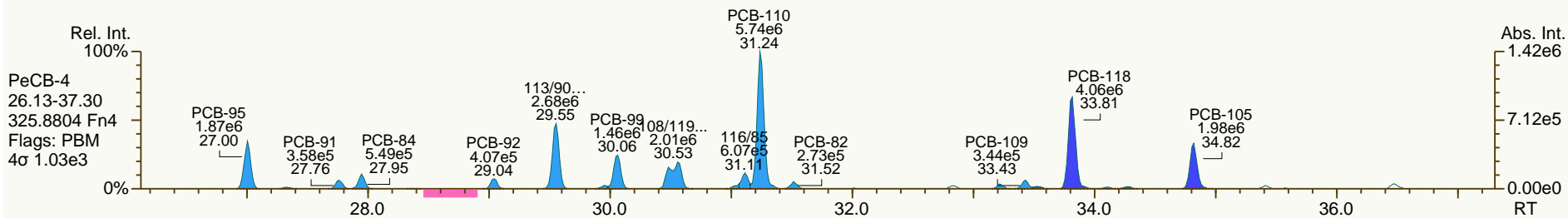
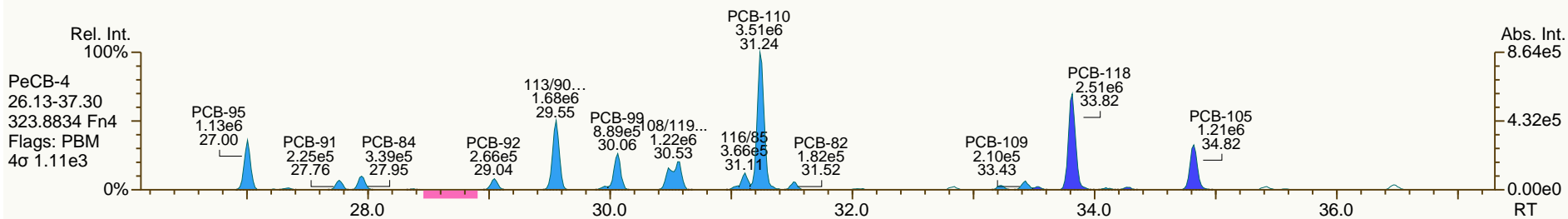
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

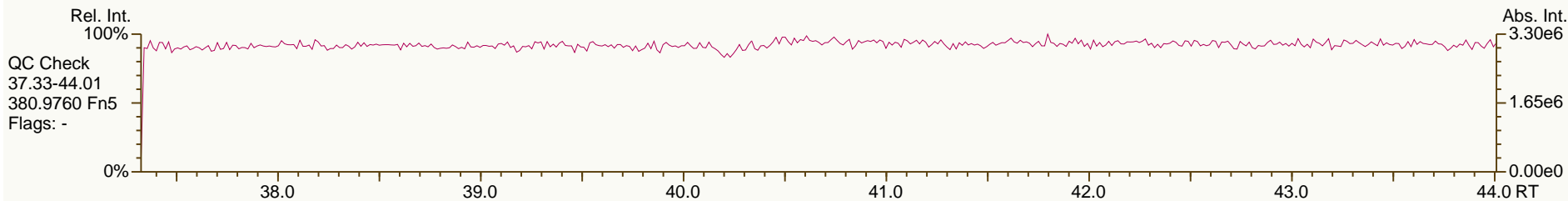
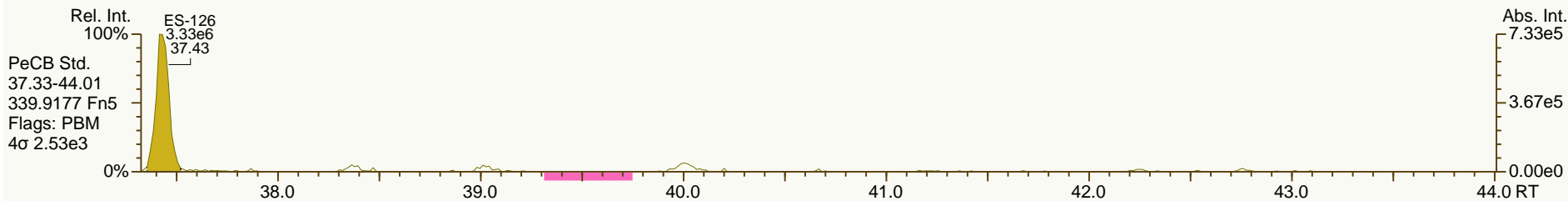
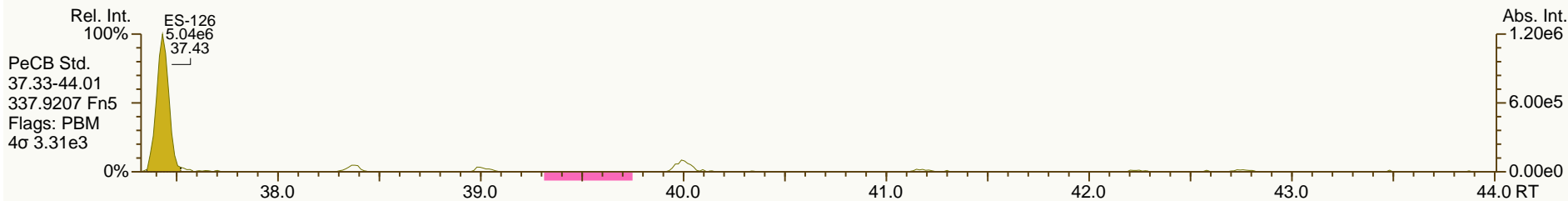
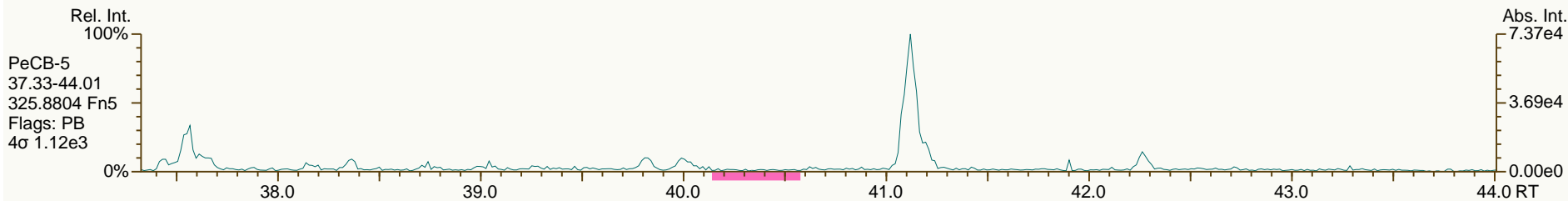
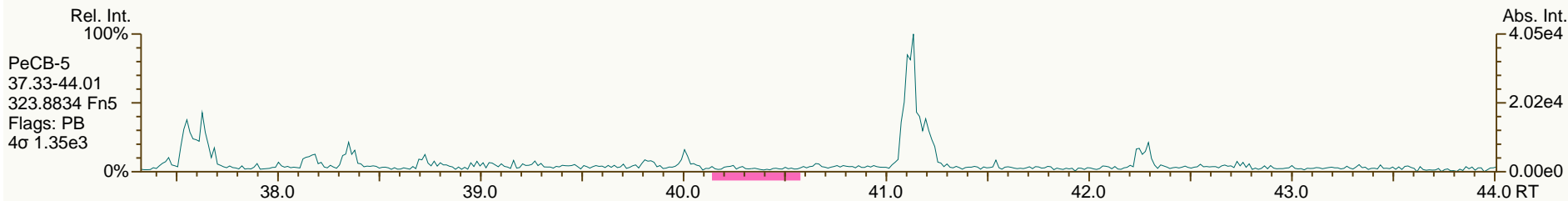
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

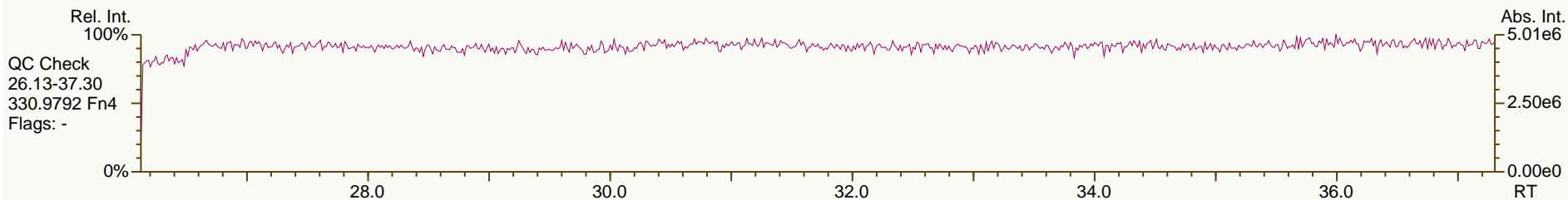
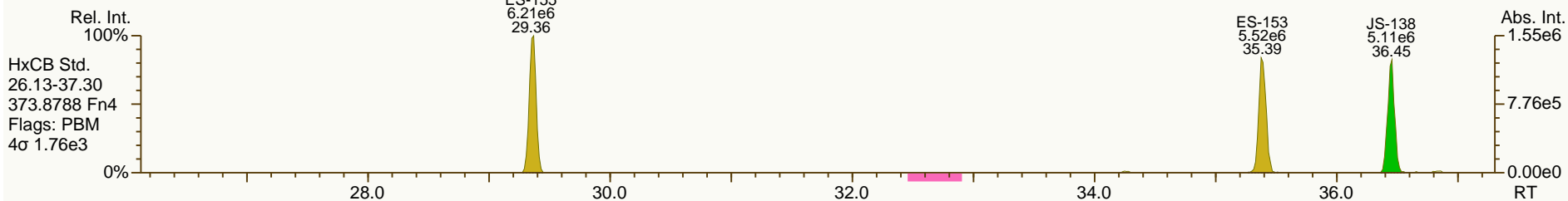
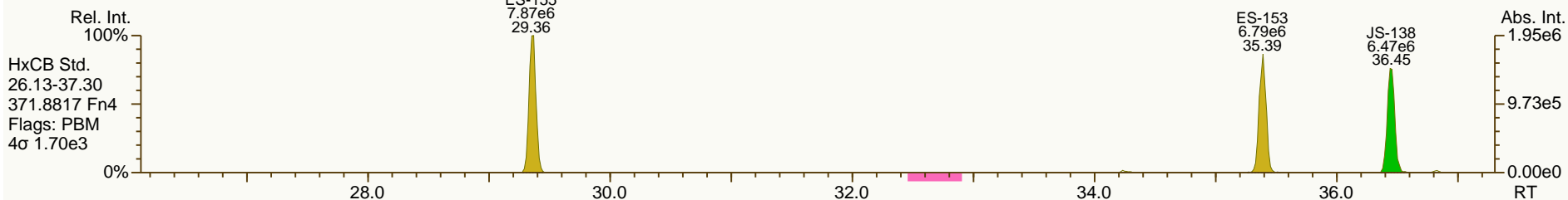
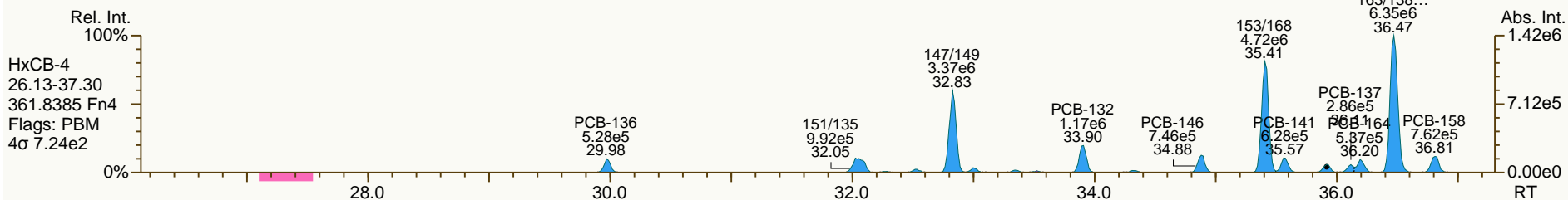
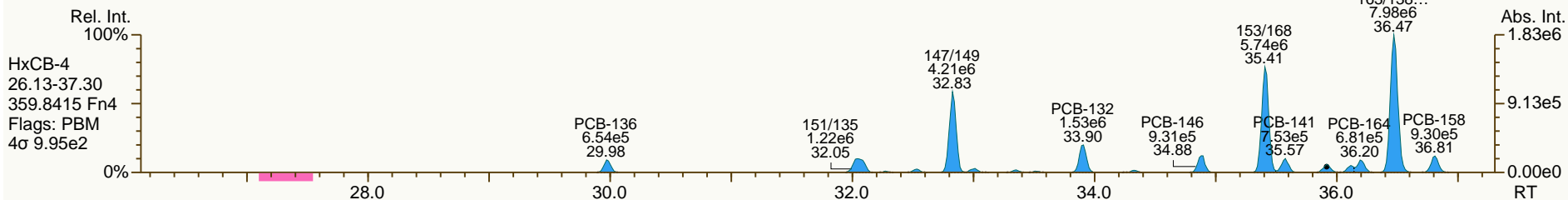
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

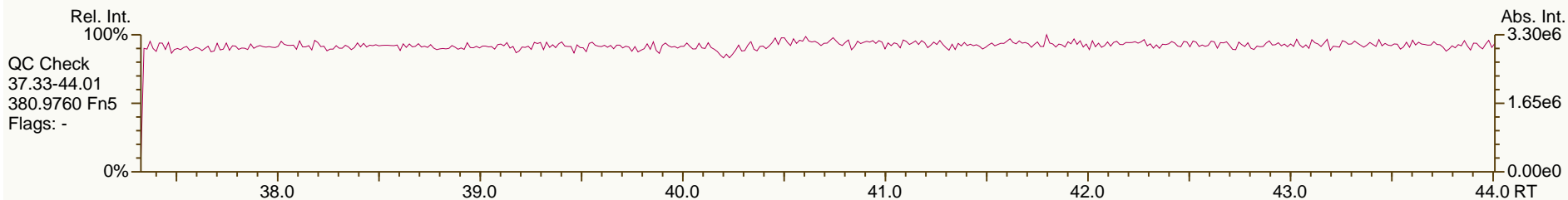
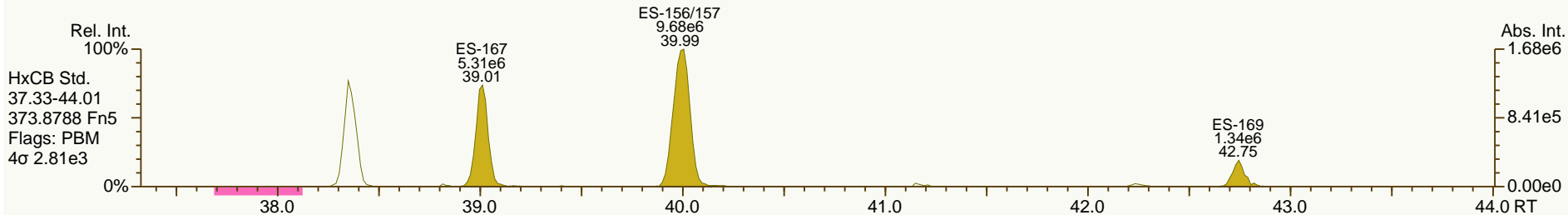
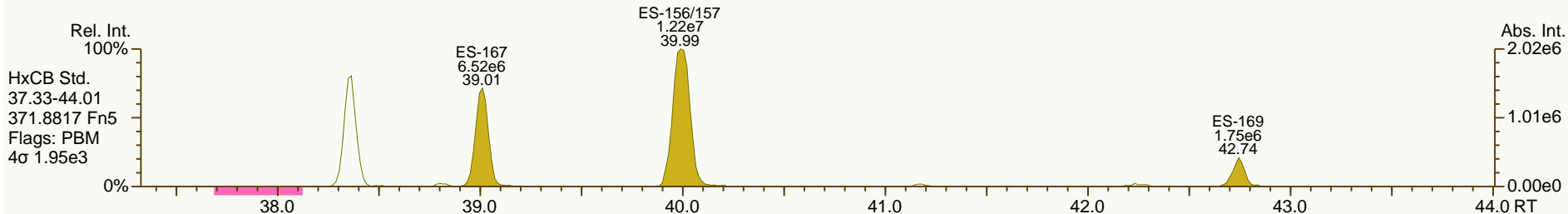
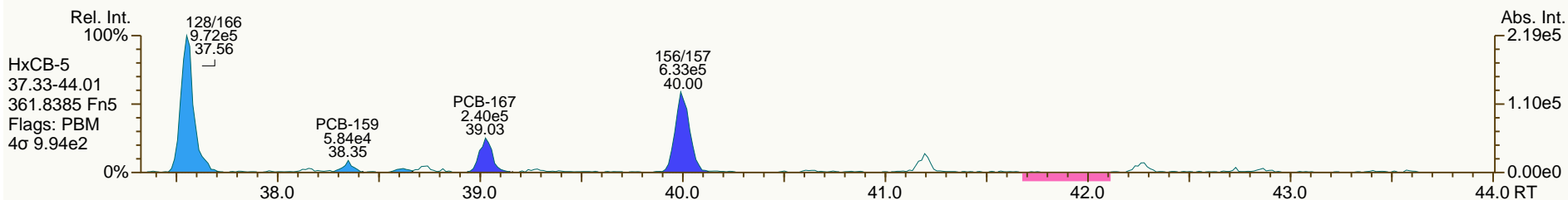
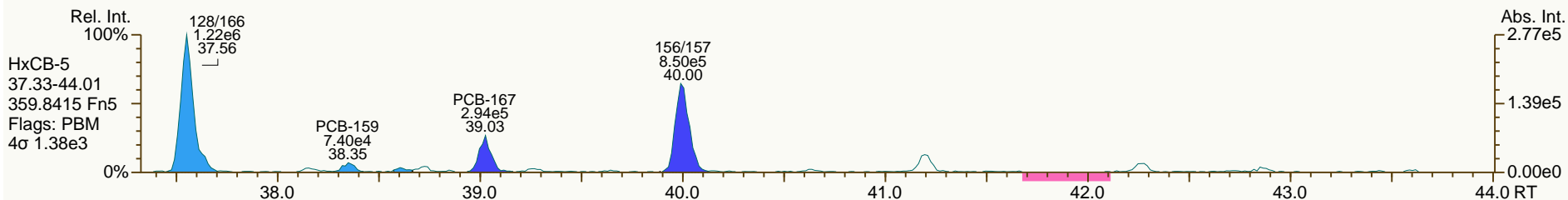
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

Acq: 02-Oct-2013 18:11:11
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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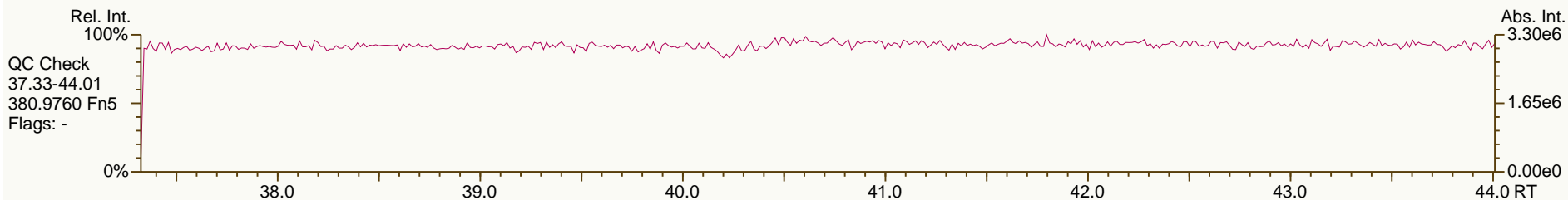
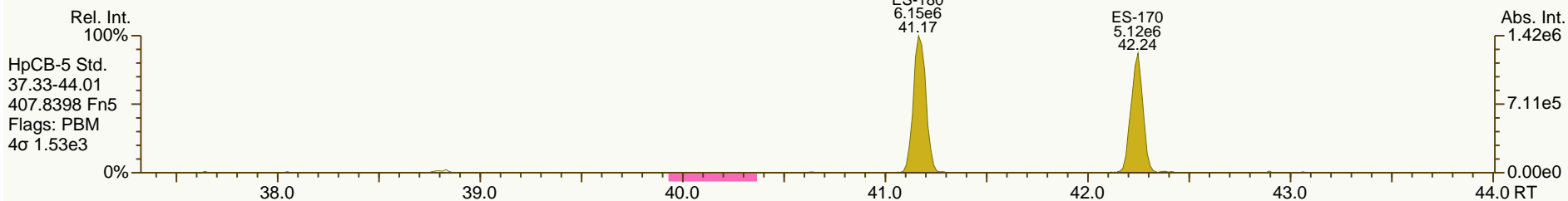
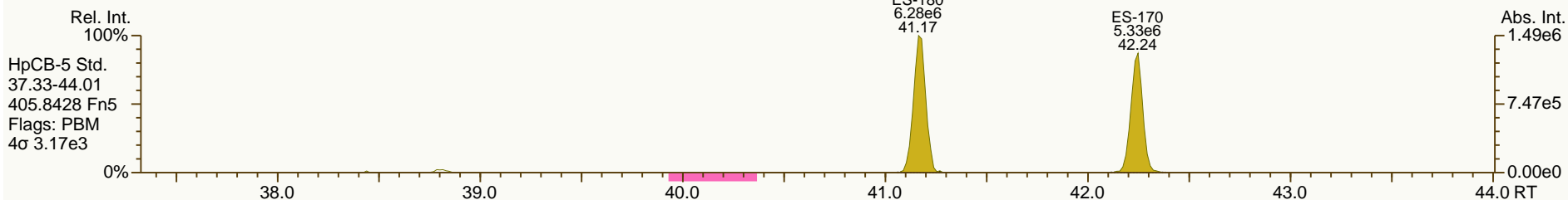
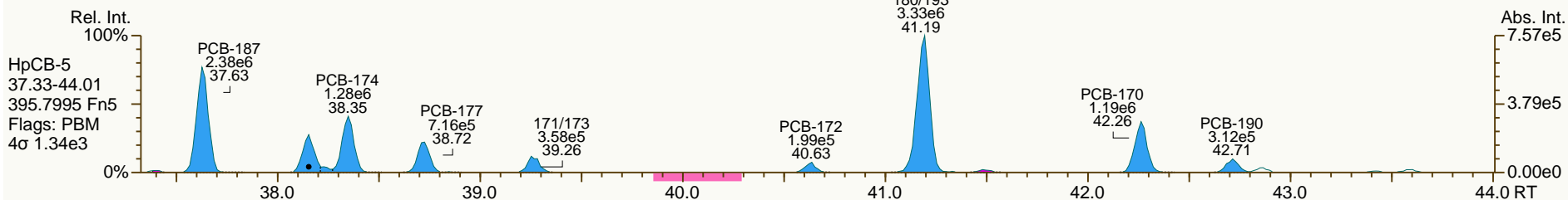
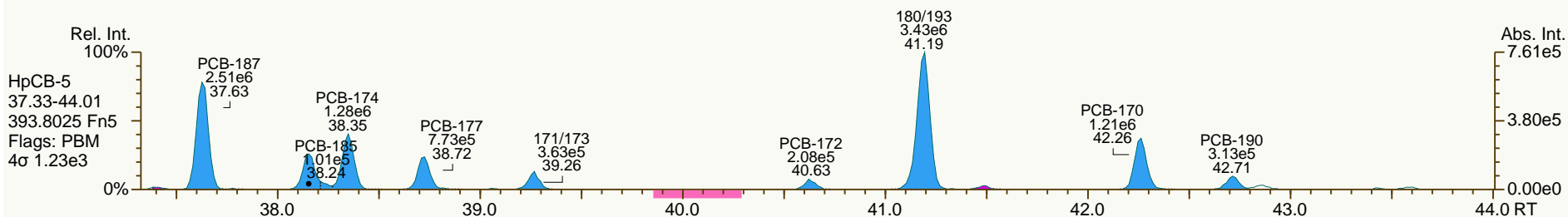
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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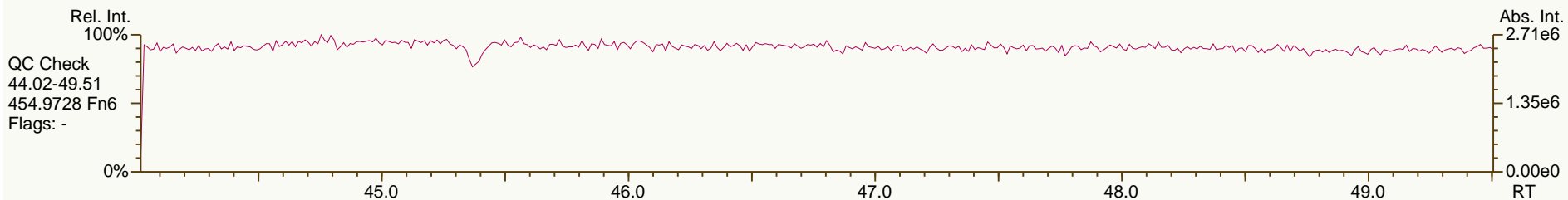
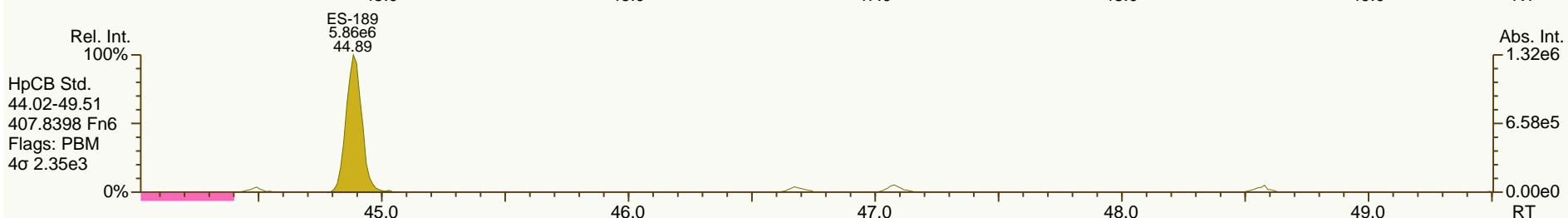
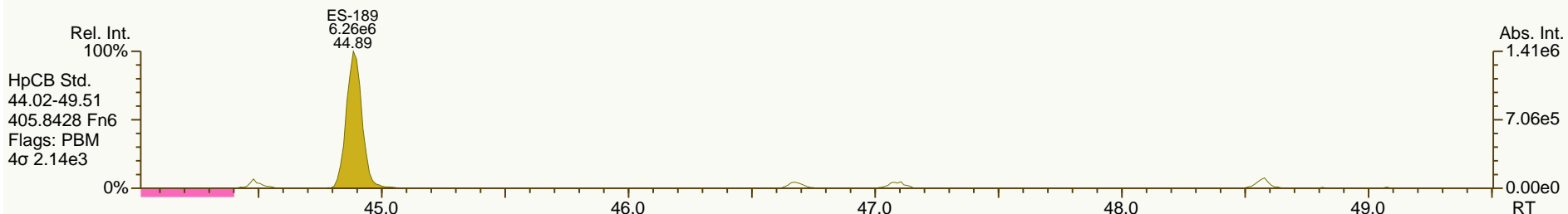
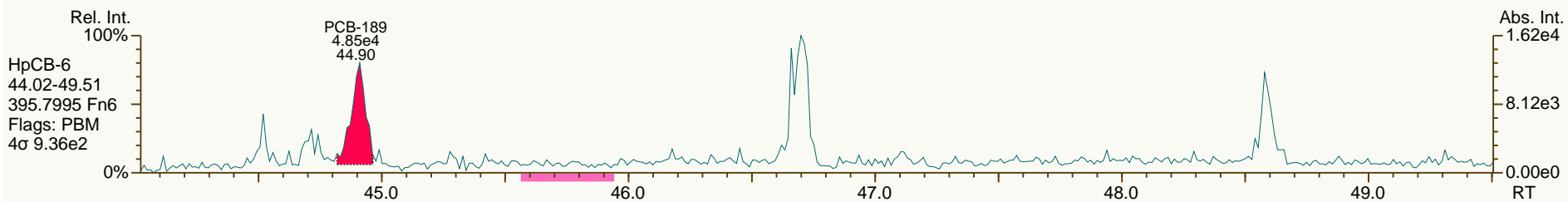
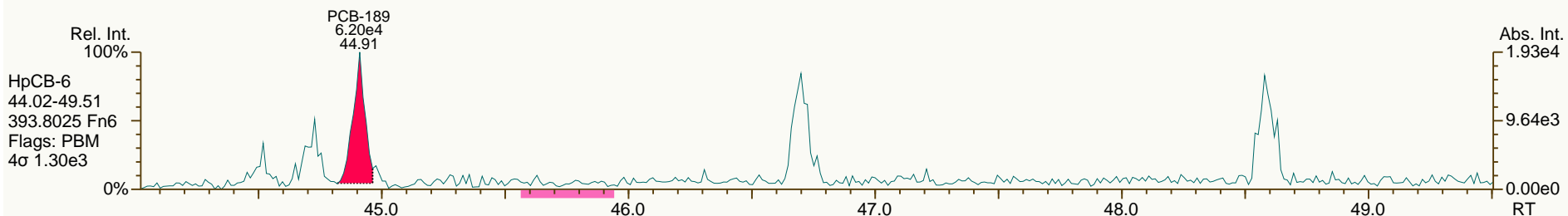
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SGS-AP ID: A5941_11356_PCB_004
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Sample ID: JW-BL-303-130919
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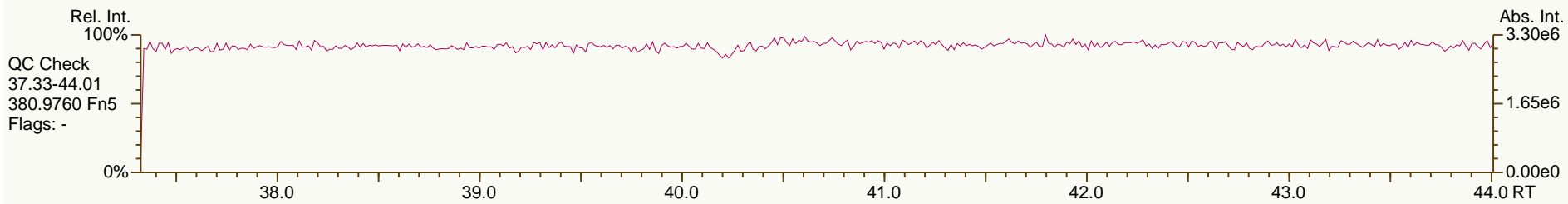
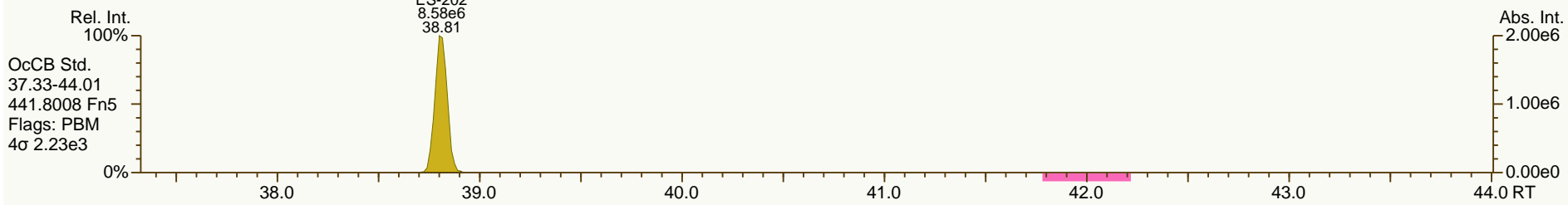
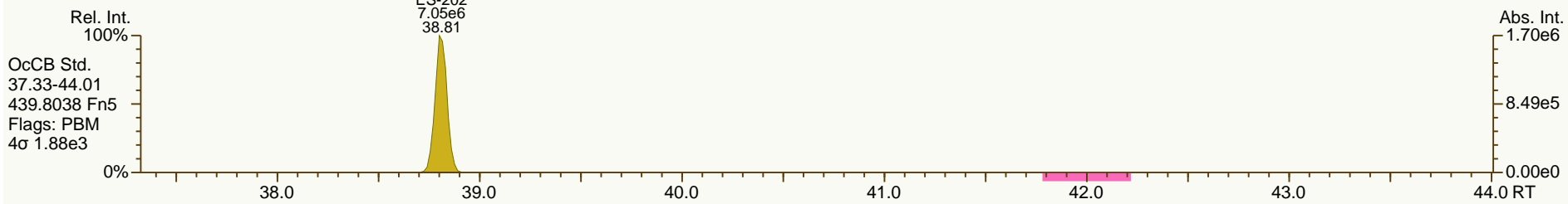
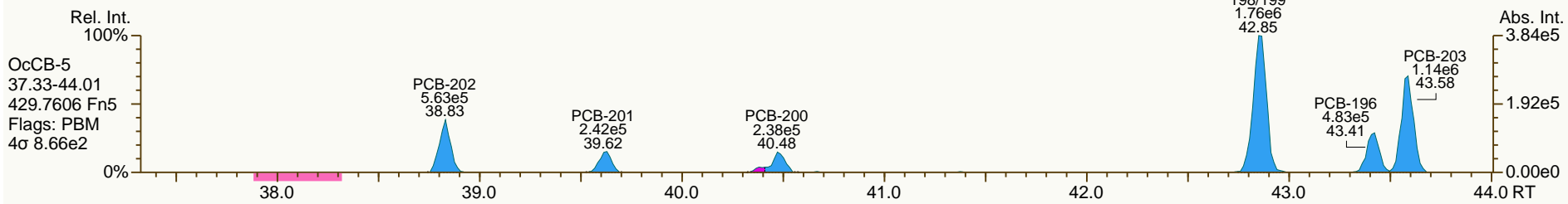
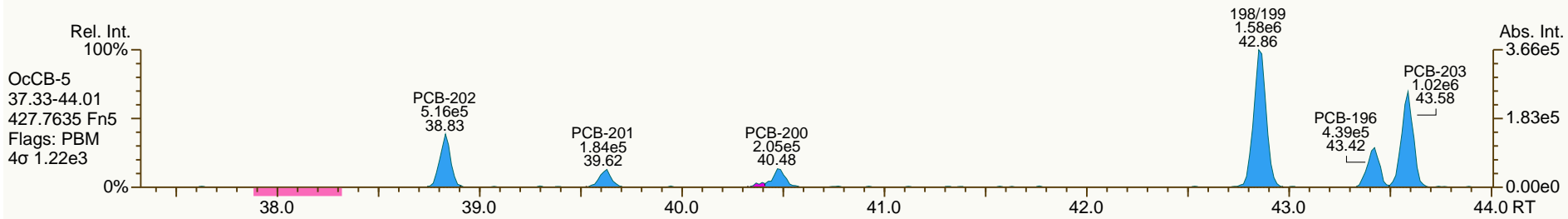
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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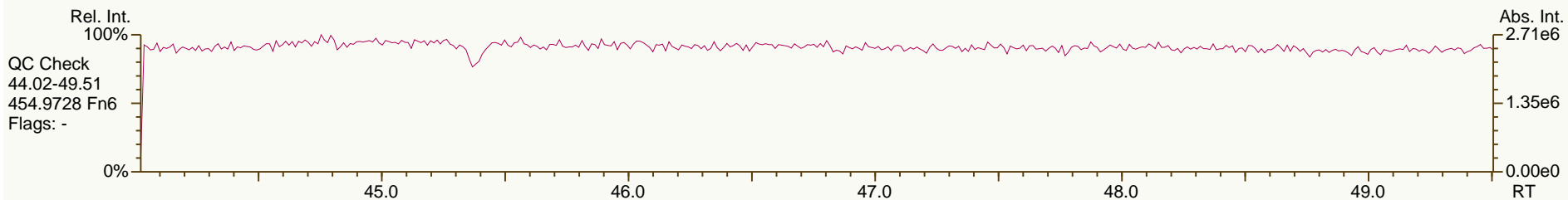
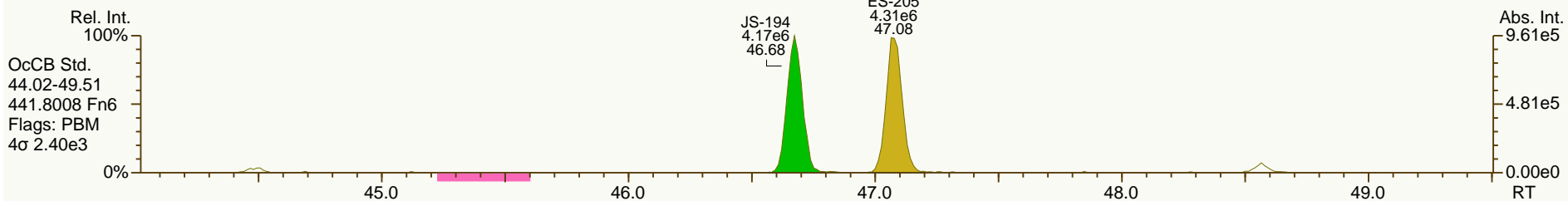
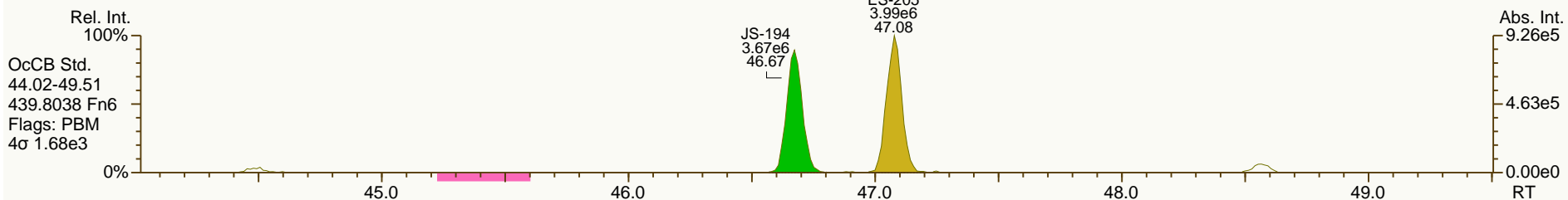
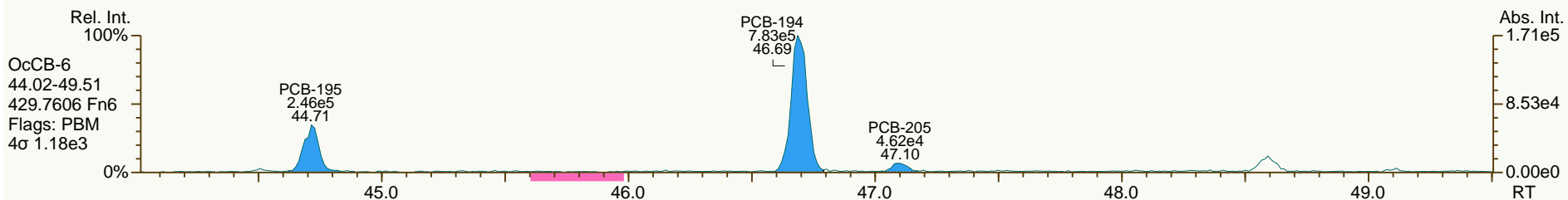
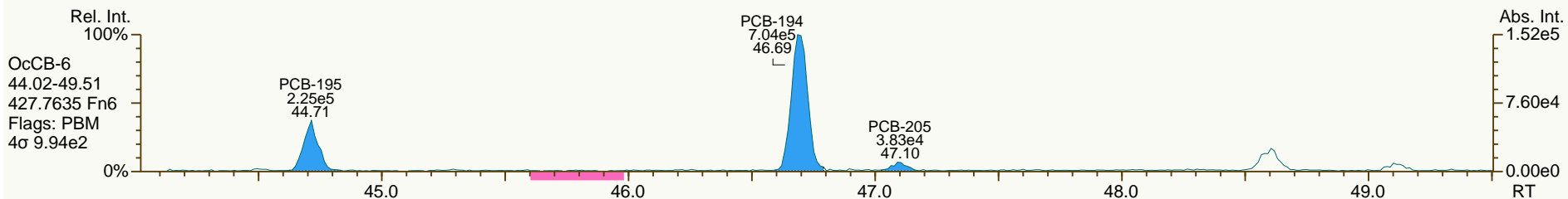
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
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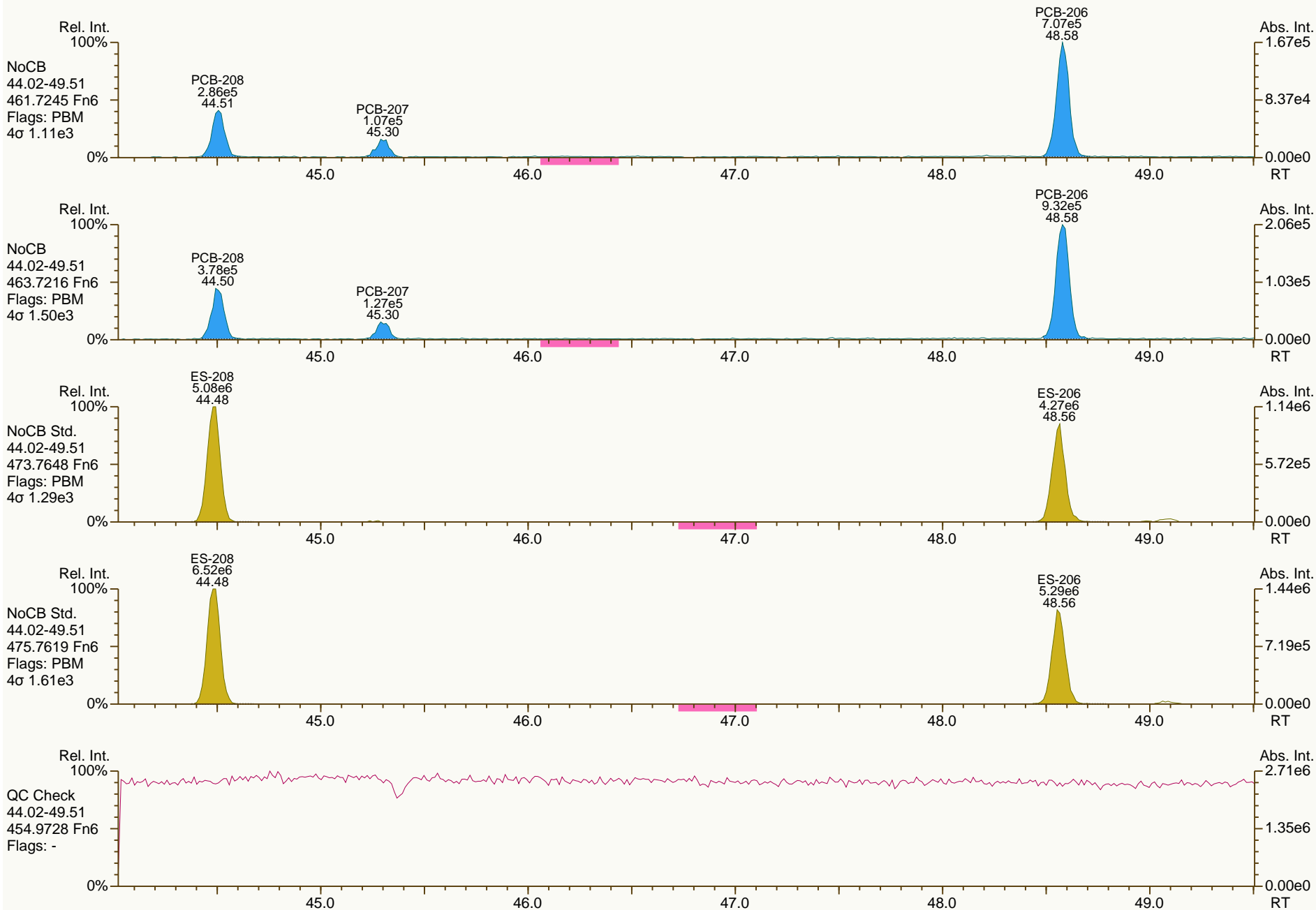
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

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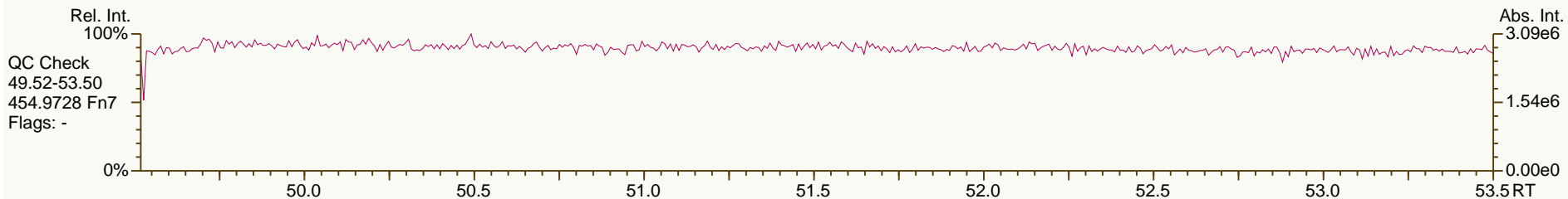
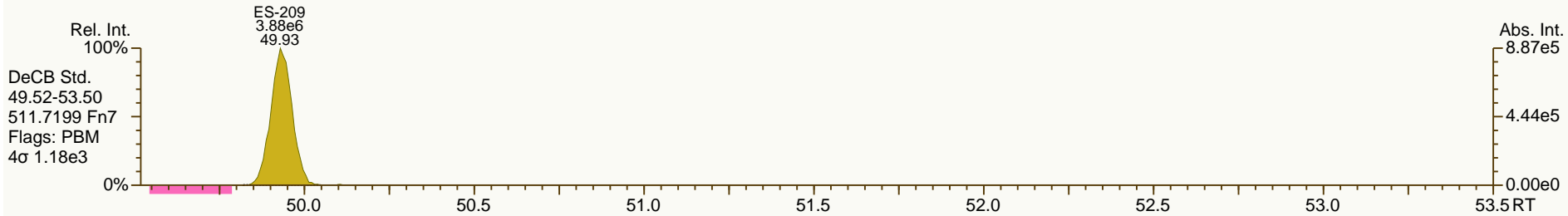
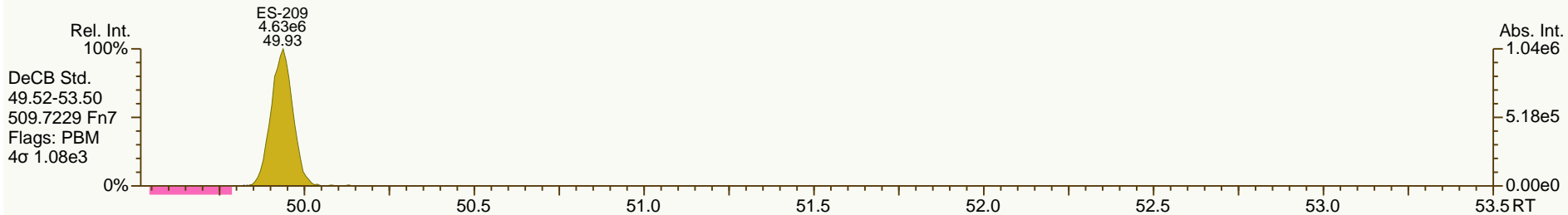
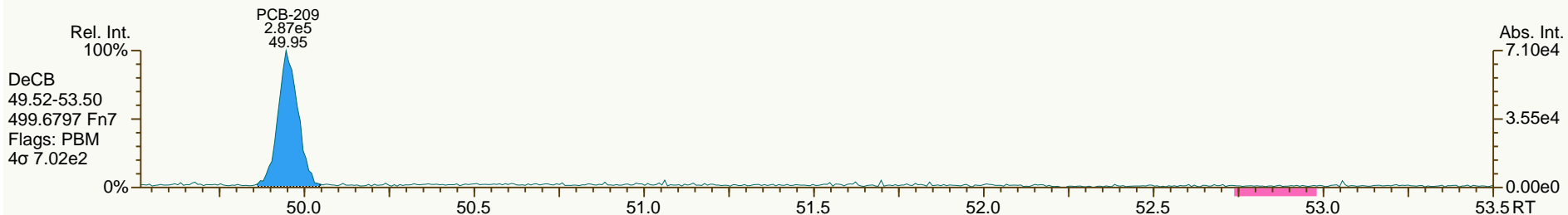
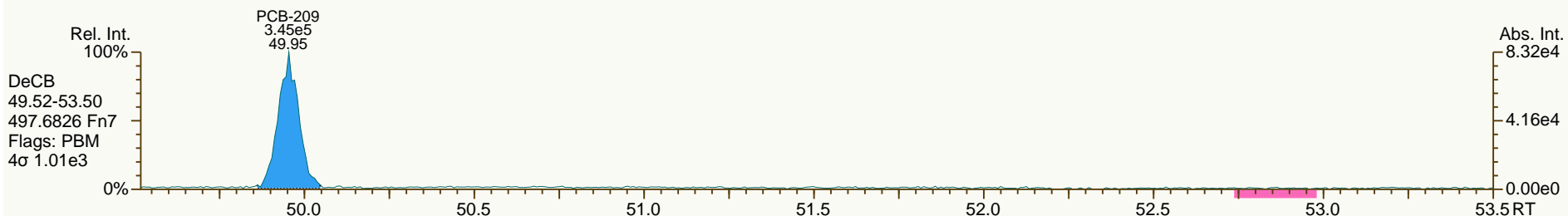
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SGS-AP ID: A5941_11356_PCB_004
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-303-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 48

Acq: 02-Oct-2013 18:11:11
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Lab ID: A5941_11356_PCB_005

ACQ: 02-Oct-2013 19:06:28 JLJ

Wt/Vol: 10.01 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-305-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.999 pg/g Split: 1

Checkcode: 563-262-PFF

Datafile: 131002V17

RPT: 14-Oct-2013 15:48 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.80		1.0007	1.0005	-0.4	1.62E+05	0.74	1.37	1.99	3.99E+03	0.534
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.99E+03	0.493
PCB-105 233'44'-PeCB	34.80		1.0007	1.0006	-0.2	1.32E+06	0.61	0.97	20.9	2.27E+03	0.405
PCB-114 2344'5'-PeCB	34.26	J	1.0007	1.0006	-0.2	5.69E+04	0.53	1.06	0.792	2.27E+03	0.335
PCB-118 23'44'5'-PeCB	33.80		1.0007	1.0007	0	3.43E+06	0.62	1.00	50.9	2.27E+03	0.338
PCB-123 23'44'5'-PeCB	33.51		1.0006	1.0005	-0.2	7.86E+04	0.63	1.08	1.14	2.27E+03	0.343
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.62E+03	0.473
PCB-156/157 ...-HxCB	39.99	C	1.0005	1.0002	-0.7	5.84E+05	1.26	1.07	9.23	2.20E+03	0.515
PCB-167 23'44'55'-HxCB	39.01		1.0005	1.0004	-0.2	2.28E+05	1.19	1.11	3.18	2.20E+03	0.322
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.20E+03	0.893
PCB-189 233'44'55'-HpCB	44.90	J	1.0004	1.0006	+0.5	3.95E+04	0.98	1.10	0.578	2.53E+03	0.399
PCB-209 DeCB	49.94		1.0004	1.0004	0	4.36E+05	1.24	1.04	9.09	1.67E+03	0.4
ES PCB-1	11.21		0.7198	0.7214	+1.1	6.12E+06	2.95	0.95	31.4 %	25%	150%
ES PCB-3	13.39		0.8609	0.8616	+0.6	9.74E+06	3.08	0.85	55.4 %	25%	150%
ES PCB-4	13.62		0.8761	0.8767	+0.5	7.21E+06	1.53	0.67	52.5 %	25%	150%
ES PCB-15	19.19		1.2354	1.2349	-0.6	1.66E+07	1.58	0.94	85.9 %	25%	150%
ES PCB-19	16.60		1.0686	1.0686	0	7.12E+06	1.03	0.54	63.6 %	25%	150%
ES PCB-37	25.46		1.0819	1.0816	-0.5	1.46E+07	1.13	1.08	86.2 %	25%	150%
ES PCB-54	19.46		0.8267	0.8265	-0.2	1.12E+07	0.77	1.27	55.7 %	25%	150%
ES PCB-77	31.79		1.3503	1.3503	0	1.19E+07	0.79	0.84	89.7 %	25%	150%
ES PCB-81	31.31		1.3301	1.3301	0	1.43E+07	0.79	0.98	92.6 %	25%	150%
ES PCB-104	24.39		0.8266	0.8265	-0.1	1.31E+07	1.49	1.69	68 %	25%	150%
ES PCB-105	34.78		1.1783	1.1784	+0.2	1.30E+07	1.56	1.08	105 %	25%	150%
ES PCB-114	34.24		1.1599	1.1600	+0.2	1.35E+07	1.53	1.11	107 %	25%	150%
ES PCB-118	33.78		1.1443	1.1443	0	1.34E+07	1.59	1.13	104 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.28E+07	1.55	1.10	102 %	25%	150%
ES PCB-126	37.41		1.2676	1.2676	0	1.06E+07	1.59	1.17	78.9 %	25%	150%
ES PCB-153	35.37		0.9709	0.9709	0	1.29E+07	1.26	1.19	85.6 %	25%	150%
ES PCB-155	29.34		0.8056	0.8055	-0.2	1.43E+07	1.26	1.80	64.9 %	25%	150%
ES PCB-156/157	39.98		1.0973	1.0973	0	2.37E+07	1.26	1.13	85.7 %	25%	150%
ES PCB-167	38.99		1.0702	1.0703	+0.2	1.28E+07	1.26	1.20	87.3 %	25%	150%
ES PCB-169	42.73		1.1728	1.1728	0	4.89E+06	1.24	1.00	40.1 %	25%	150%
ES PCB-170	42.22		0.9050	0.9049	-0.3	1.11E+07	1.03	1.24	92.3 %	25%	150%
ES PCB-180	41.15		0.8820	0.8819	-0.2	1.32E+07	1.09	1.51	90.7 %	25%	150%
ES PCB-188	34.23		0.7338	0.7336	-0.4	1.95E+07	0.98	2.06	77.3 %	25%	150%
ES PCB-189	44.87		0.9618	0.9617	-0.3	1.24E+07	1.04	1.78	84.1 %	25%	150%
ES PCB-202	38.79		0.8315	0.8314	-0.2	1.68E+07	0.81	1.66	82.8 %	25%	150%
ES PCB-205	47.06		1.0086	1.0086	0	8.94E+06	0.90	1.22	88.7 %	25%	150%
ES PCB-206	48.54		1.0404	1.0404	0	1.00E+07	0.80	1.23	97.9 %	25%	150%
ES PCB-208	44.47		0.9530	0.9530	0	1.26E+07	0.77	1.60	94.9 %	25%	150%
ES PCB-209	49.92		1.0698	1.0698	0	9.23E+06	1.17	1.31	85.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.93		0.9317	0.9315	-0.3	1.84E+07	1.10	1.25	101 %	30%	135%
SS PCB-111	31.81		1.0780	1.0779	-0.2	1.56E+07	1.60	1.15	106 %	30%	135%
SS PCB-178	36.81		1.0104	1.0105	+0.2	1.23E+07	1.00	0.54	117 %	30%	135%
CS PCB-28	21.93		0.9317	0.9315	-0.3	1.84E+07	1.10	1.34	87 %	30%	135%
CS PCB-111	31.81		1.0780	1.0779	-0.2	1.56E+07	1.60	1.27	108 %	30%	135%
CS PCB-178	36.81		1.0104	1.0105	+0.2	1.23E+07	1.00	1.11	90.7 %	30%	135%
JS PCB-9	15.54					2.06E+07	1.58				
JS PCB-52	23.54					1.58E+07	0.78				
JS PCB-101	29.51					1.14E+07	1.56				
JS PCB-138	36.43					1.23E+07	1.29				
JS PCB-194	46.66					8.28E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			6.46		12.2		0.438	
			Di-CBs			16.4		16.4		0.598	
			Tri-CBs			48.7		51.5		0.636	
			Tetra-CBs			144		146		0.433	
			Penta-CBs			358		362		0.349	
			Hexa-CBs			348		348		0.479	
			Hepta-CBs			143		144		0.325	
			Octa-CBs			54.1		60.5		0.335	
			Nona-CBs			17.6		17.6		0.468	
PCB-1 2-MoCB	11.22	EMPC	1.0011	1.0011	0	2.08E+05	3.61	1.19	5.71	2.87E+03	0.513
PCB-2 3-MoCB	13.22		0.9878	0.9876	-0.2	7.49E+04	3.35	1.19	1.3	2.87E+03	0.379
PCB-3 4-MoCB	13.40		1.0010	1.0008	-0.2	3.12E+05	3.53	1.24	5.17	2.87E+03	0.362
PCB-4 22'-DiCB	13.64		1.0011	1.0011	0	3.84E+04	SI	0.88	1.2	3.64E+03	0.789
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.64E+03	0.506
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	3.84E+03	0.483
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	3.84E+03	0.433
PCB-6 23'-DiCB	15.93	J	1.0255	1.0253	-0.2	7.35E+04	SI	0.90	0.981	3.84E+03	0.458
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	3.84E+03	0.453
PCB-8 24'-DiCB	16.34		1.0519	1.0518	-0.1	3.56E+05	SI	0.94	4.57	3.84E+03	0.44
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	3.84E+03	0.378
PCB-11 33'-DiCB	18.64	B	0.9712	0.9715	+0.3	2.99E+05	SI	0.91	3.96	3.84E+03	0.455
PCB-13/12 34'/34-DiCB	18.92	J C	0.9862	0.9858	-0.5	7.07E+04	SI	0.91	0.932	3.84E+03	0.452
PCB-15 44'-DiCB	19.21		1.0007	1.0009	+0.2	4.00E+05	SI	1.01	4.75	3.84E+03	0.407
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	3.51E+03	0.882
PCB-30/18 246/22'5-TrCB	18.36	C	1.1054	1.1057	+0.3	2.16E+05	0.97	1.18	5.15	3.51E+03	0.692
PCB-17 22'4-TrCB	18.74		1.1291	1.1290	-0.1	1.16E+05	1.15	1.02	3.19	3.51E+03	0.795
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.51E+03	0.604
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.51E+03	0.614
PCB-16 22'3-TrCB	19.16	EMPC	1.1538	1.1538	0	6.31E+04	0.88	0.76	2.34	3.51E+03	1.08

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.63		1.1826	1.1825	-0.1	1.49E+05	1.00	1.46	2.87	3.51E+03	0.557
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.78E+03	0.392
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.78E+03	0.381
PCB-26/29 23'5'/245-TrCB	21.19	J C	0.8329	0.8321	-1.0	1.26E+05	1.07	1.37	1.26	3.78E+03	0.387
PCB-25 23'4-TrCB	21.40	J EMPC	0.8406	0.8405	-0.1	5.55E+04	1.38	1.43	0.532	3.78E+03	0.371
PCB-31 24'5-TrCB	21.68		0.8514	0.8514	0	9.19E+05	1.06	1.44	8.73	3.78E+03	0.368
PCB-28/20 244'/233'-TrCB	21.95	C	0.8623	0.8619	-0.5	1.29E+06	0.97	1.33	13.2	3.78E+03	0.398
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8692	0.8702	+1.3	4.54E+05	1.17	1.39	4.48	3.78E+03	0.381
PCB-22 234'-TrCB	22.50		0.8839	0.8839	0	3.64E+05	0.99	1.29	3.86	3.78E+03	0.41
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.78E+03	0.385
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.78E+03	0.371
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.78E+03	0.413
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.78E+03	0.44
PCB-37 344'-TrCB	25.48		1.0008	1.0008	0	5.84E+05	0.96	1.35	5.9	3.78E+03	0.391
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.83E+03	0.406
PCB-50/53 22'46/22'56'-TeCB	21.42	J C	0.9113	0.9100	-1.7	1.24E+05	0.90	0.93	1.86	2.26E+03	0.36
PCB-45 22'36-TeCB	22.05		0.9357	0.9365	+1.1	9.51E+04	0.76	0.79	1.68	2.26E+03	0.425
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.26E+03	0.345
PCB-46 22'36'-TeCB	22.31	J	0.9475	0.9477	+0.3	3.78E+04	0.84	0.78	0.68	2.26E+03	0.432
PCB-52 22'55'-TeCB	23.56		1.0010	1.0009	-0.1	2.21E+06	0.77	0.91	34	2.26E+03	0.37
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.26E+03	0.294
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.26E+03	0.406
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0187	1.0195	+1.2	6.70E+05	0.75	1.09	8.53	2.26E+03	0.307
PCB-48 22'45-TeCB	24.26		1.0304	1.0305	+0.1	9.74E+04	0.90	0.91	1.49	2.26E+03	0.369
PCB-44/47/65 ...-TeCB	24.45	C	1.0396	1.0386	-1.5	9.41E+05	0.77	0.97	13.5	2.26E+03	0.345
PCB-59/62/75 ...-TeCB	24.74	J EMPC C	1.0512	1.0510	-0.3	9.62E+04	0.64	1.22	1.1	2.26E+03	0.275
PCB-42 22'34'-TeCB	24.91		1.0580	1.0580	0	1.89E+05	0.72	0.87	3.04	2.26E+03	0.388
PCB-41 22'34-TeCB	25.23	J	1.0721	1.0718	-0.5	3.98E+04	0.76	0.77	0.724	2.26E+03	0.437
PCB-71/40 23'4'6/22'33'-TeCB	25.34	C	1.0762	1.0763	+0.2	3.95E+05	0.76	0.93	5.92	2.26E+03	0.361
PCB-64 234'6-TeCB	25.53		1.0847	1.0846	-0.2	6.24E+05	0.76	1.32	6.6	2.26E+03	0.255
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.99E+03	0.537
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.99E+03	0.446
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.99E+03	0.497
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.99E+03	0.482
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.99E+03	0.458
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	3.99E+03	0.444
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8864	0.8868	+0.7	2.93E+06	0.78	1.23	33.2	3.99E+03	0.483
PCB-66 23'44'-TeCB	28.04		0.8953	0.8955	+0.3	1.55E+06	0.79	1.16	18.7	3.99E+03	0.513
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.99E+03	0.507
PCB-56 233'4'-TeCB	28.61		0.9138	0.9139	+0.2	6.87E+05	0.82	1.15	8.31	3.99E+03	0.515
PCB-60 2344'-TeCB	28.80		0.9199	0.9198	-0.2	3.48E+05	0.83	1.18	4.12	3.99E+03	0.503
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.99E+03	0.431
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	3.99E+03	0.441
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.99E+03	0.548
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.60E+03	0.202
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.60E+03	0.233
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.27E+03	0.457
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.27E+03	0.535

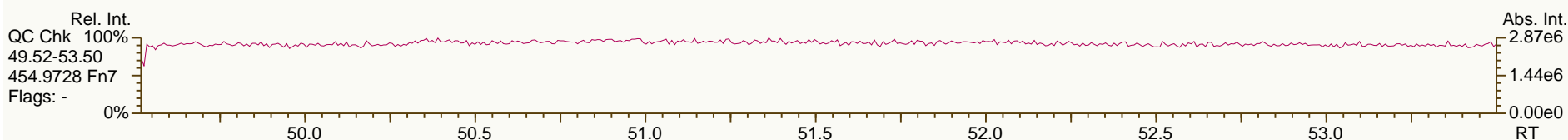
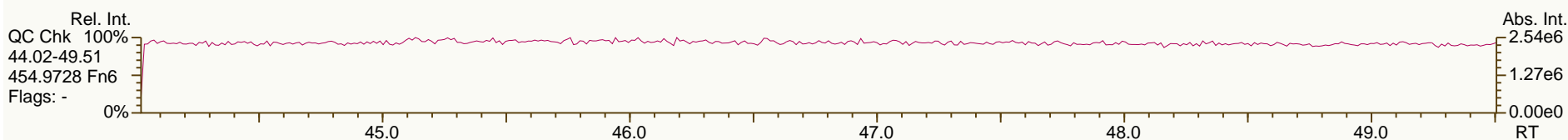
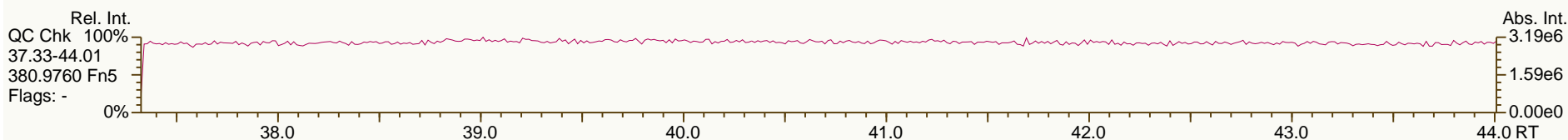
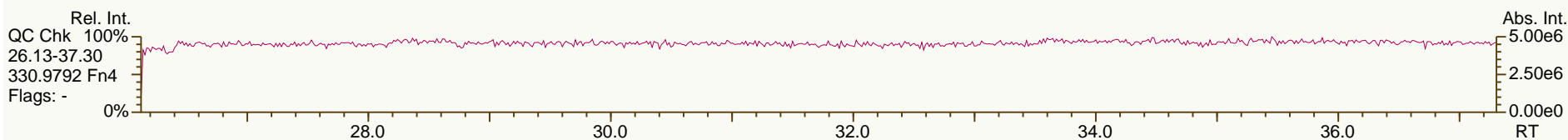
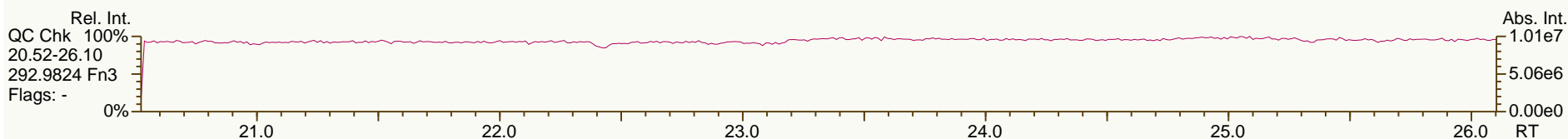
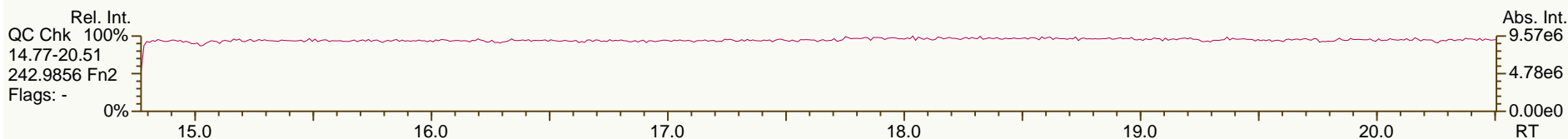
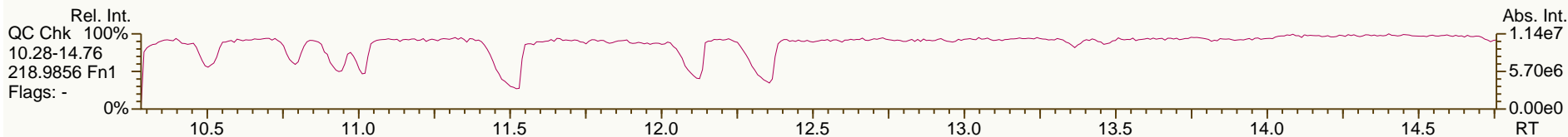
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	26.99		0.9145	0.9145	0	2.35E+06	0.62	0.74	49.1	2.27E+03	0.497
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.27E+03	0.489
PCB-102 22'456'-PeCB	27.32		0.9256	0.9255	-0.2	6.62E+04	0.60	0.86	1.2	2.27E+03	0.431
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.27E+03	0.543
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.27E+03	0.538
PCB-91 22'34'6-PeCB	27.75		0.9401	0.9402	+0.2	3.88E+05	0.63	0.87	6.97	2.27E+03	0.426
PCB-84 22'33'6-PeCB	27.93		0.9464	0.9464	0	6.02E+05	0.60	0.64	14.6	2.27E+03	0.574
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	2.27E+03	0.531
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.27E+03	0.345
PCB-92 22'355'-PeCB	29.03		0.9835	0.9835	0	5.76E+05	0.62	0.73	12.2	2.27E+03	0.504
PCB-113/90/101 ...-PeCB	29.54	C	0.9999	1.0007	+1.4	2.79E+06	0.59	0.87	49.8	2.27E+03	0.424
PCB-83 22'33'5-PeCB	29.94		1.0145	1.0144	-0.2	9.55E+04	0.54	0.65	2.3	2.27E+03	0.57
PCB-99 22'44'5-PeCB	30.04		1.0179	1.0179	0	1.42E+06	0.60	0.78	28.2	2.27E+03	0.472
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.27E+03	0.371
PCB-108/119/86/97/125...-PeCB	30.51	C	1.0329	1.0339	+1.8	1.68E+06	0.62	0.87	30.1	2.27E+03	0.427
PCB-117 234'56-PeCB	31.03		1.0510	1.0512	+0.4	1.05E+05	0.63	1.00	1.64	2.27E+03	0.368
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0539	1.0535	-0.7	5.02E+05	0.60	0.81	9.61	2.27E+03	0.454
PCB-110 233'4'6-PeCB	31.23		1.0580	1.0580	0	4.76E+06	0.62	1.01	73.2	2.27E+03	0.365
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.27E+03	0.381
PCB-82 22'33'4-PeCB	31.50	EMPC	1.0674	1.0673	-0.2	1.66E+05	0.52	0.63	4.13	2.27E+03	0.589
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.27E+03	0.344
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.27E+03	0.346
PCB-107/124 ...-PeCB	33.21	C	0.9913	0.9914	+0.2	1.25E+05	0.54	0.95	2.04	2.27E+03	0.387
PCB-109 233'46-PeCB	33.41		0.9974	0.9976	+0.4	2.37E+05	0.63	1.10	3.35	2.27E+03	0.336
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.27E+03	0.367
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	2.27E+03	0.402
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.27E+03	0.405
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.63E+03	0.186
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.63E+03	0.205
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.63E+03	0.205
PCB-136 22'33'66'-HxCB	29.96		1.0210	1.0210	0	7.66E+05	1.21	0.98	10.8	1.63E+03	0.228
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.63E+03	0.219
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.63E+03	0.252
PCB-151/135 ...-HxCB	32.03	C	1.0918	1.0916	-0.4	1.40E+06	1.24	1.00	21.7	1.63E+03	0.26
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00		1.14	ND	1.63E+03	0.227
PCB-144 22'345'6-HxCB	32.51		1.1079	1.1080	+0.2	1.76E+05	1.28	1.03	2.63	1.63E+03	0.25
PCB-147/149 ...-HxCB	32.81	C	1.1182	1.1181	-0.2	4.17E+06	1.25	1.05	61.4	1.63E+03	0.246
PCB-134 22'33'56-HxCB	32.99		1.1239	1.1241	+0.4	2.56E+05	1.30	0.77	5.11	1.63E+03	0.334
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.63E+03	0.245
PCB-139/140 ...-HxCB	33.33	J C	1.1359	1.1359	0	1.02E+05	1.35	1.05	1.49	1.63E+03	0.246
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00		0.91	ND	1.63E+03	0.285
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.63E+03	0.284
PCB-132 22'33'46'-HxCB	33.89		1.1547	1.1547	0	1.55E+06	1.18	0.93	25.8	1.63E+03	0.278
PCB-133 22'33'55'-HxCB	34.31		1.1690	1.1692	+0.4	8.26E+04	1.42	0.98	1.31	1.63E+03	0.265
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.63E+03	0.215
PCB-146 22'34'55'-HxCB	34.86		0.9570	0.9570	0	7.35E+05	1.31	1.09	10.5	1.63E+03	0.238
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.63E+03	0.191
PCB-153/168 ...-HxCB	35.39	C	0.9720	0.9715	-1.1	5.13E+06	1.26	1.32	59.9	1.63E+03	0.195

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.55		0.9759	0.9759	0	7.44E+05	1.20	1.02	11.2	1.63E+03	0.253
PCB-130 22'33'45'-HxCB	35.90		0.9854	0.9854	0	3.02E+05	1.33	0.89	5.24	1.63E+03	0.29
PCB-137 22'344'5'-HxCB	36.10		0.9908	0.9908	0	2.78E+05	1.16	1.09	3.92	1.63E+03	0.236
PCB-164 233'4'5'6'-HxCB	36.18		0.9932	0.9932	0	5.12E+05	1.27	1.28	6.2	1.63E+03	0.202
PCB-163/138/129 ...-HxCB	36.46	C	1.0011	1.0007	-0.9	5.80E+06	1.27	1.06	84.2	1.63E+03	0.243
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.63E+03	0.217
PCB-158 233'44'6'-HxCB	36.79		1.0099	1.0099	0	7.47E+05	1.28	1.37	8.42	1.63E+03	0.189
PCB-128/166 ...-HxCB	37.54	C	0.9625	0.9628	+0.7	8.97E+05	1.15	0.86	16.1	2.20E+03	0.415
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	2.20E+03	0.348
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	2.20E+03	0.349
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.64E+03	0.174
PCB-179 22'33'566'-HpCB	34.53		1.0087	1.0088	+0.2	6.30E+05	1.03	0.87	7.44	1.64E+03	0.182
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.64E+03	0.187
PCB-176 22'33'466'-HpCB	35.29		1.0308	1.0309	+0.2	1.68E+05	1.02	0.95	1.82	1.64E+03	0.167
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.64E+03	0.179
PCB-178 22'33'55'6'-HpCB	36.83		1.0759	1.0761	+0.4	2.11E+05	0.94	0.63	3.43	1.64E+03	0.251
PCB-175 22'33'45'6'-HpCB	37.38	J EMPC	1.0919	1.0919	0	3.46E+04	0.83	0.86	0.612	1.81E+03	0.357
PCB-187 22'34'55'6'-HpCB	37.61		1.0986	1.0988	+0.5	1.67E+06	1.05	0.97	26	1.81E+03	0.316
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	1.81E+03	0.304
PCB-183 22'344'5'6'-HpCB	38.14		1.1139	1.1141	+0.5	6.34E+05	1.02	1.00	9.59	1.81E+03	0.306
PCB-185 22'3455'6'-HpCB	38.22		1.1163	1.1164	+0.2	6.72E+04	1.11	0.90	1.13	1.81E+03	0.341
PCB-174 22'33'456'-HpCB	38.33		1.1196	1.1196	0	1.04E+06	1.05	0.86	18.3	1.81E+03	0.355
PCB-177 22'33'45'6'-HpCB	38.71		1.1305	1.1308	+0.7	5.59E+05	1.02	0.82	10.4	1.81E+03	0.375
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	1.81E+03	0.321
PCB-171/173 ...-HpCB	39.25	C	1.1461	1.1465	+0.9	3.14E+05	1.04	0.82	5.84	1.81E+03	0.376
PCB-172 22'33'455'-HpCB	40.61		0.9050	0.9050	0	1.58E+05	1.14	0.83	2.87	1.81E+03	0.369
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	1.81E+03	0.281
PCB-180/193 ...-HpCB	41.17	C	0.9168	0.9175	+1.7	2.54E+06	1.04	1.03	37.6	1.81E+03	0.299
PCB-191 233'44'5'6'-HpCB	41.47	J	0.9242	0.9242	0	5.82E+04	1.01	1.14	0.775	1.81E+03	0.269
PCB-170 22'33'44'5'-HpCB	42.24		0.9414	0.9414	0	7.82E+05	1.02	0.96	14.7	1.81E+03	0.365
PCB-190 233'44'56-HpCB	42.70		0.9515	0.9516	+0.3	1.85E+05	0.92	1.28	2.58	1.81E+03	0.272
PCB-202 22'33'55'66'-OoCB	38.81		1.0006	1.0006	0	3.30E+05	0.94	0.86	4.55	1.81E+03	0.268
PCB-201 22'33'45'66'-OoCB	39.60		1.0209	1.0209	0	1.46E+05	0.88	0.97	1.8	1.81E+03	0.238
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.81E+03	0.256
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.81E+03	0.23
PCB-200 22'33'4566'-OoCB	40.46	EMPC	1.0430	1.0431	+0.2	1.00E+05	0.63	0.88	1.35	1.81E+03	0.261
PCB-198/199 ...-OoCB	42.84	C	1.1037	1.1043	+1.5	1.01E+06	0.89	0.66	18.2	1.81E+03	0.348
PCB-196 22'33'44'56'-OoCB	43.40	EMPC	1.1186	1.1187	+0.3	2.94E+05	1.04	0.68	5.11	1.81E+03	0.337
PCB-203 22'344'55'6'-OoCB	43.57		1.1230	1.1231	+0.3	6.85E+05	0.84	0.71	11.4	1.81E+03	0.324
PCB-195 22'33'44'56-OoCB	44.69		0.9498	0.9497	-0.3	1.60E+05	0.89	0.81	4.44	1.80E+03	0.543
PCB-194 22'33'44'55'-OoCB	46.68		0.9918	0.9918	0	5.33E+05	0.97	0.87	13.7	1.80E+03	0.503
PCB-205 233'44'55'6'-OoCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.80E+03	0.402
PCB-208 22'33'455'66'-NoCB	44.48		1.0005	1.0004	-0.3	2.51E+05	0.82	1.00	3.99	2.17E+03	0.36
PCB-207 22'33'44'566'-NoCB	45.28		1.0184	1.0182	-0.5	8.41E+04	0.73	0.99	1.35	2.17E+03	0.363
PCB-206 22'33'44'55'6'-NoCB	48.56		1.0004	1.0004	0	5.23E+05	0.68	0.85	12.3	2.17E+03	0.576

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Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

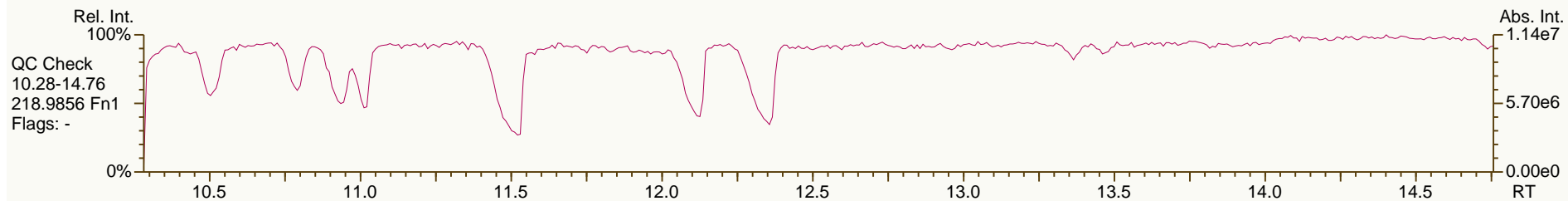
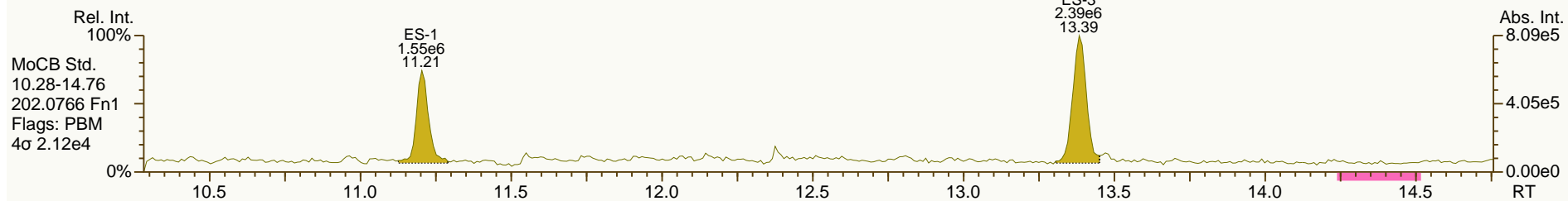
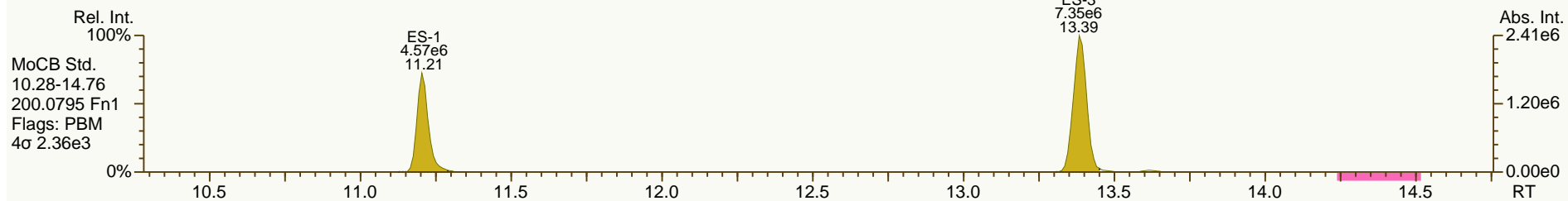
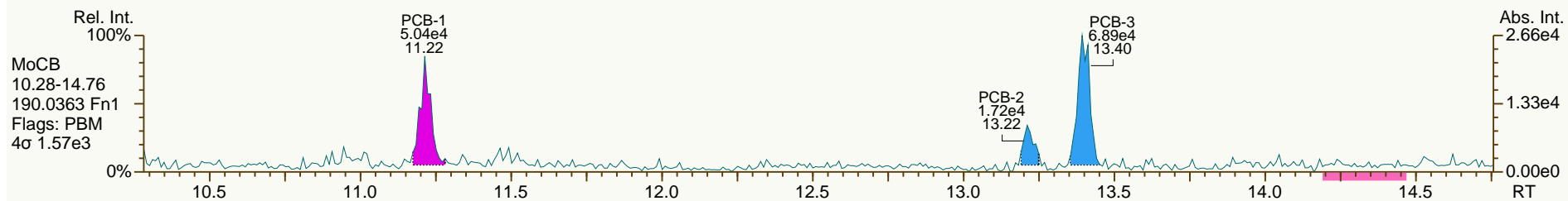
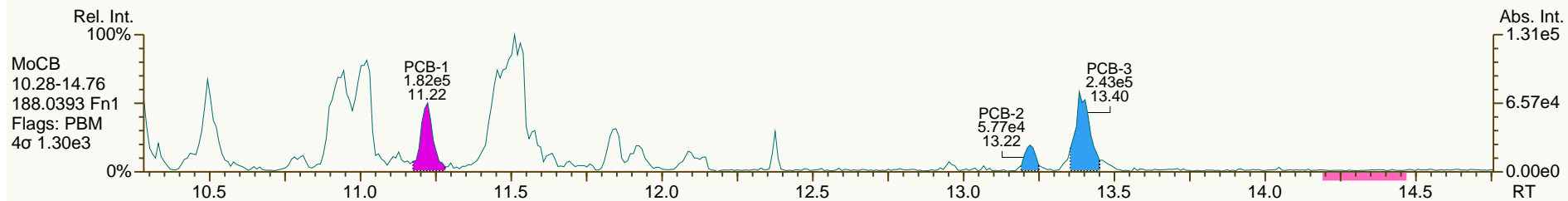
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SGS-AP ID: A5941_11356_PCB_005
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Sample ID: JW-BL-305-130919
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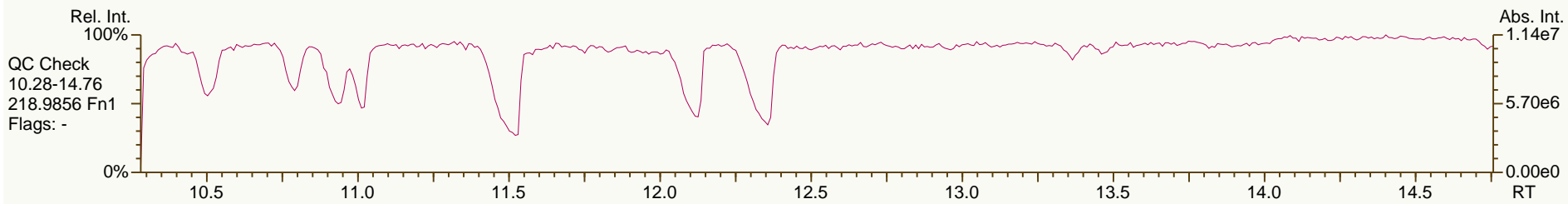
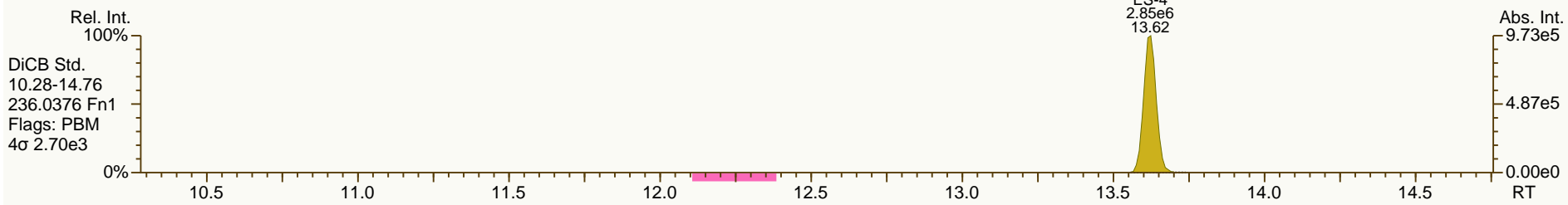
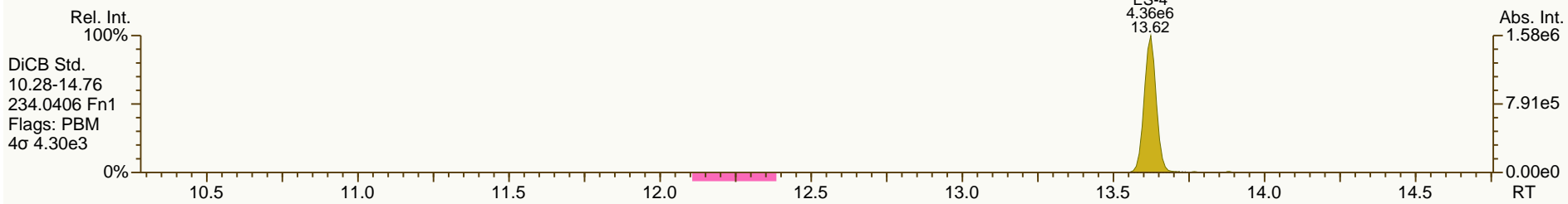
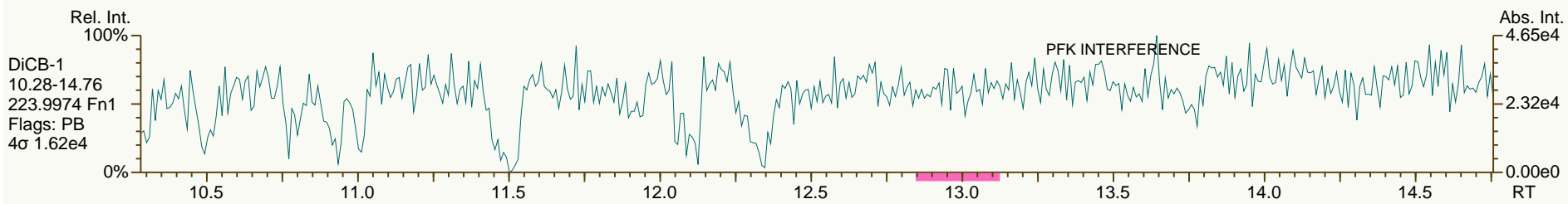
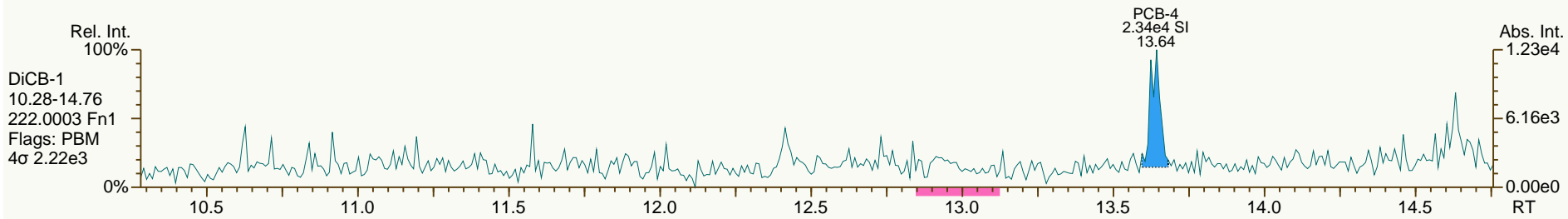
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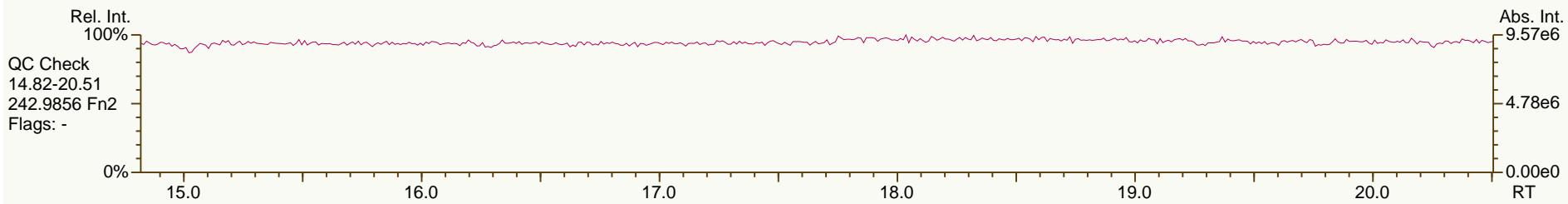
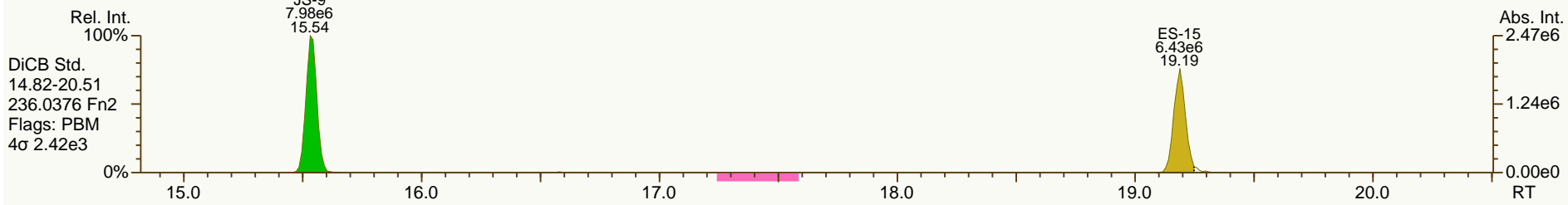
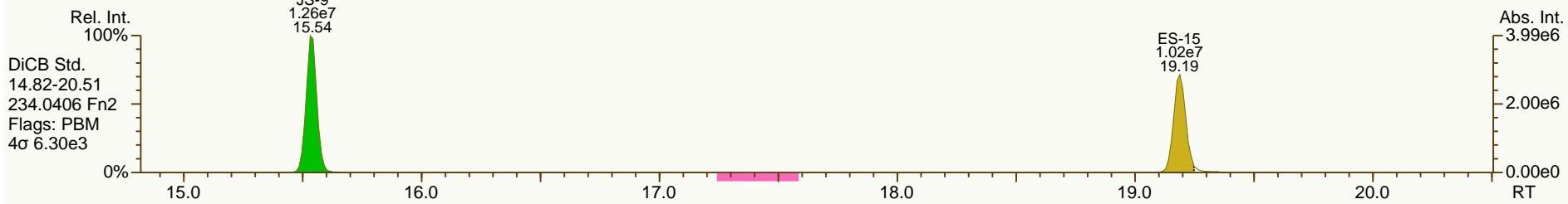
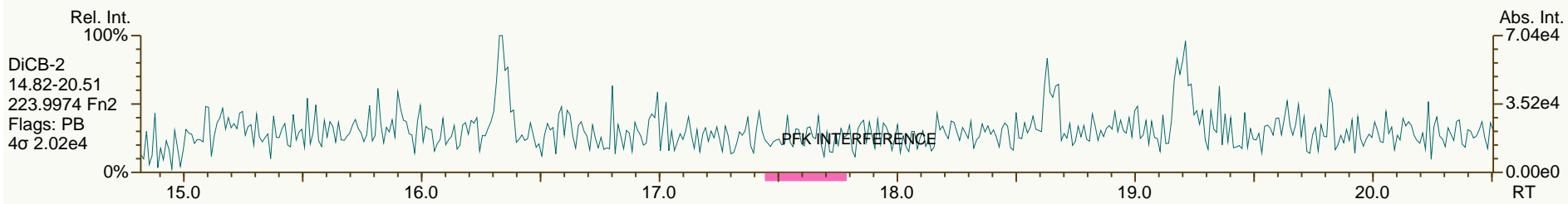
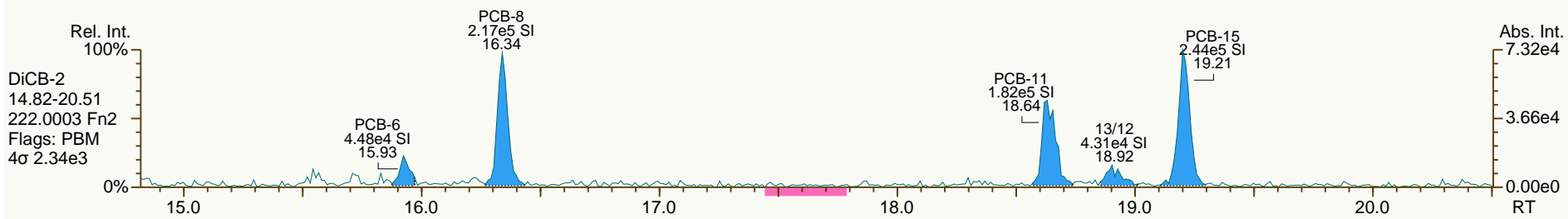
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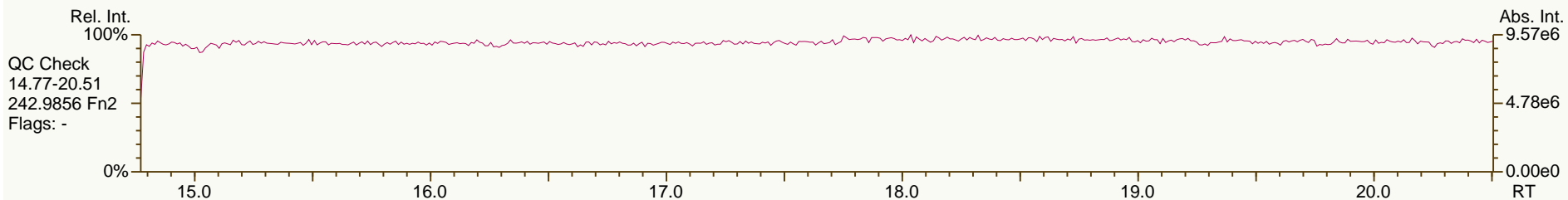
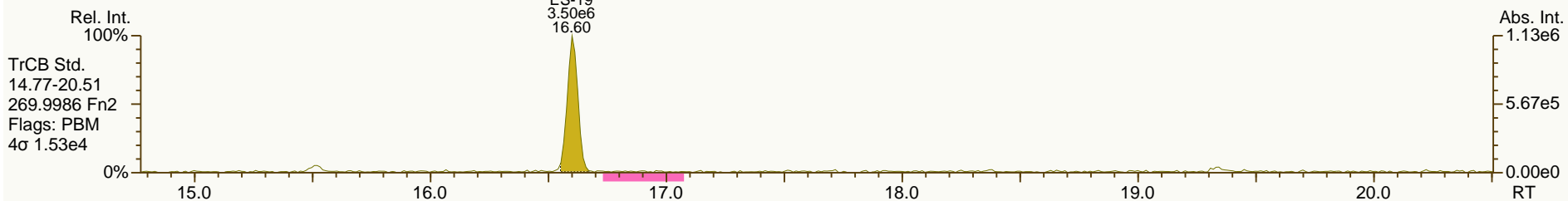
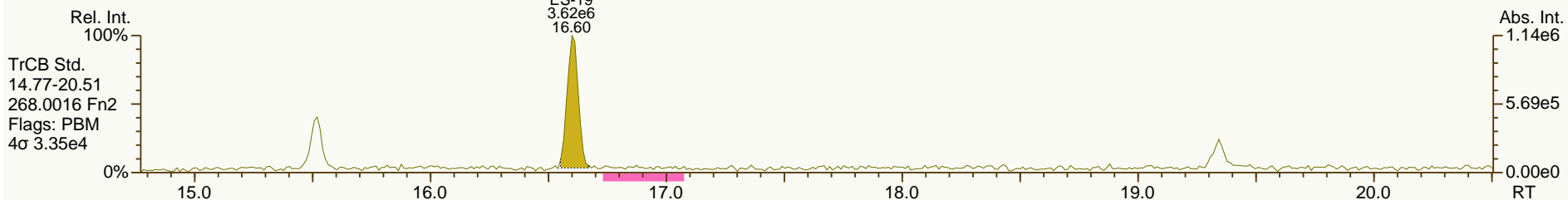
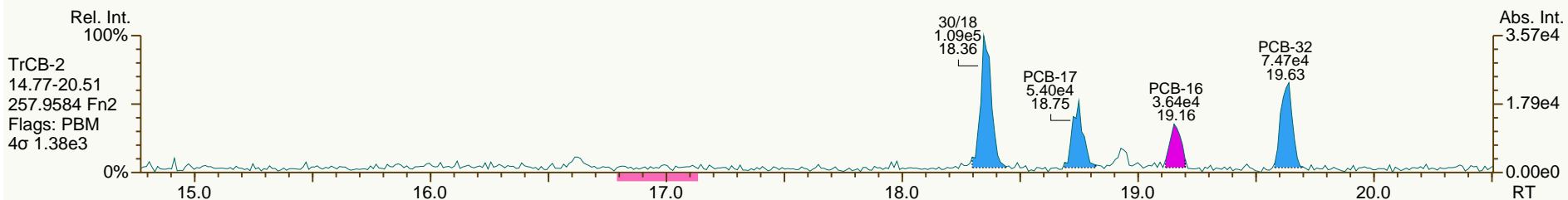
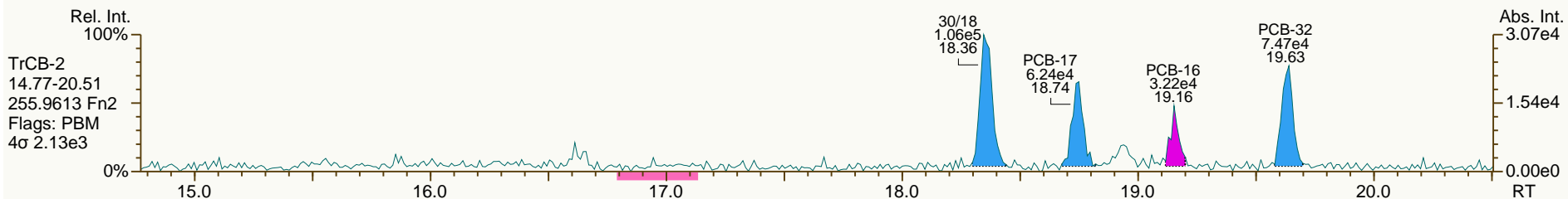
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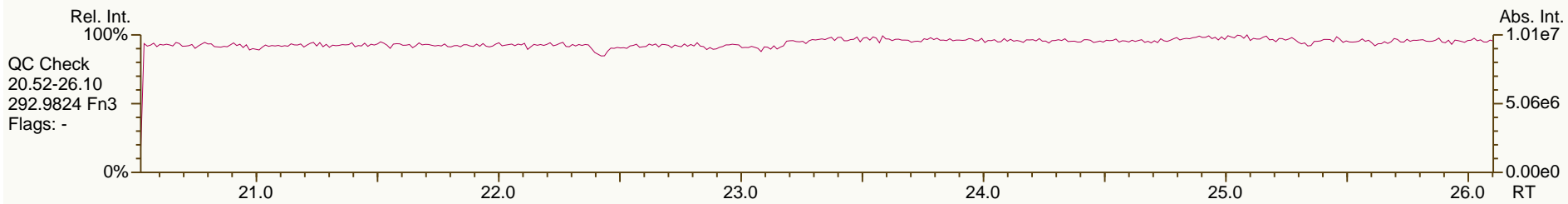
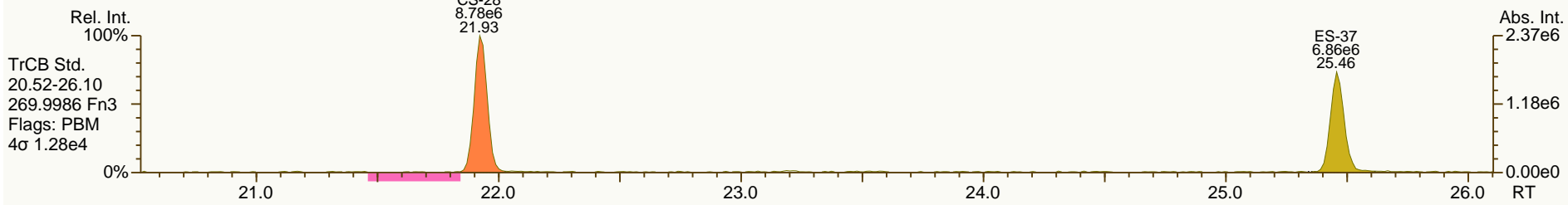
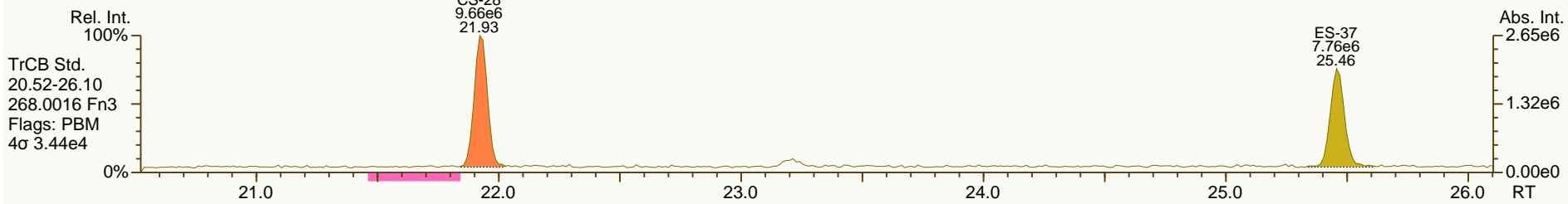
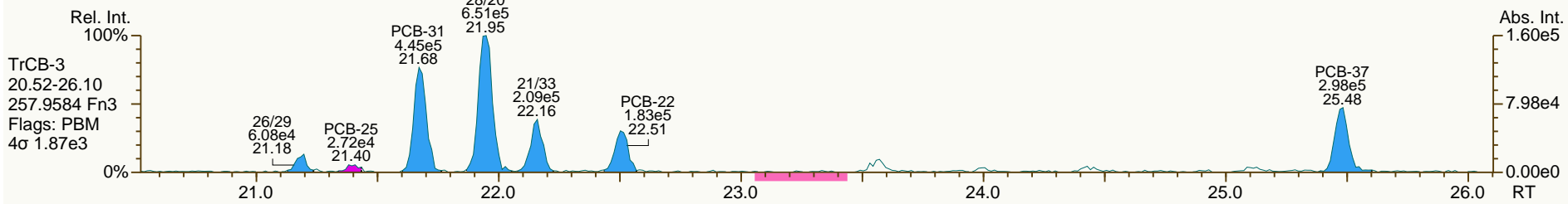
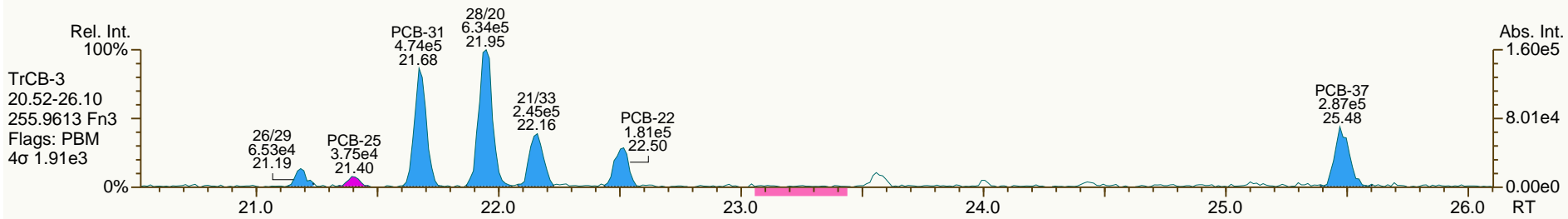
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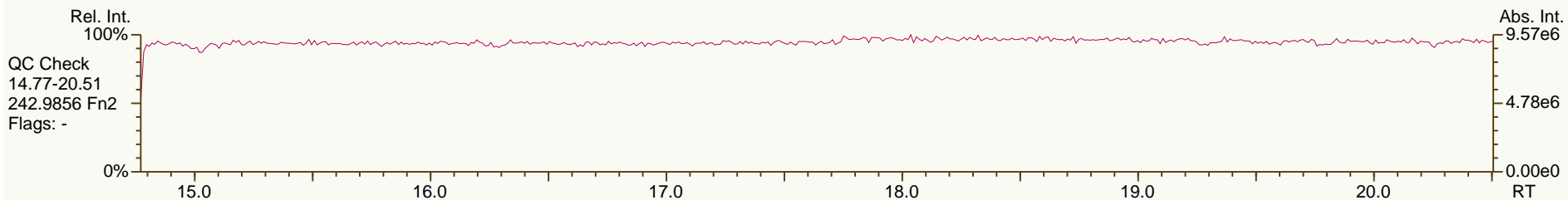
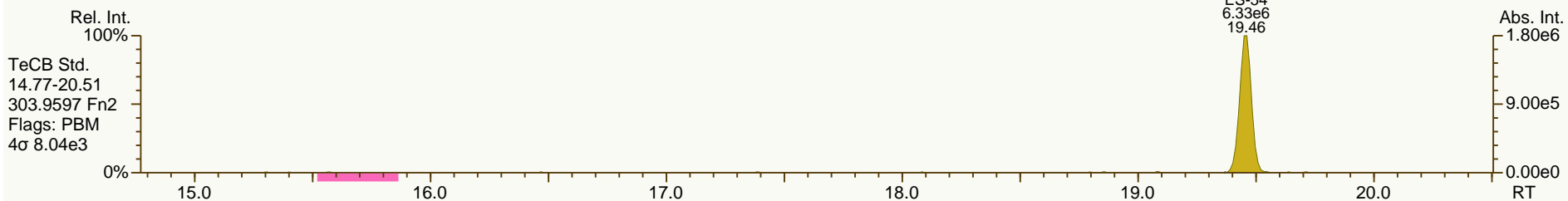
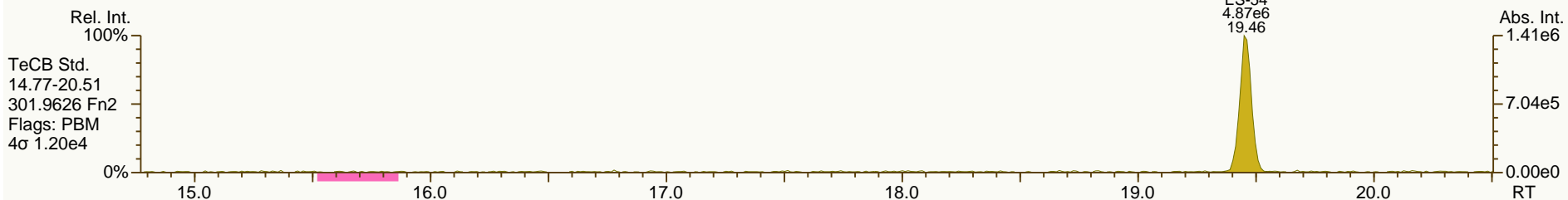
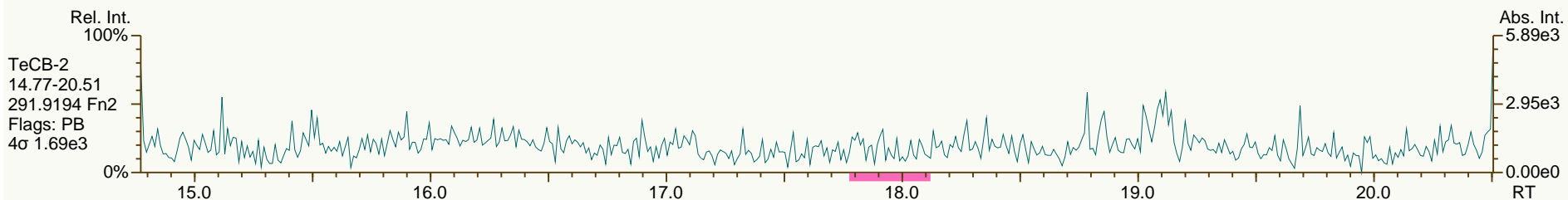
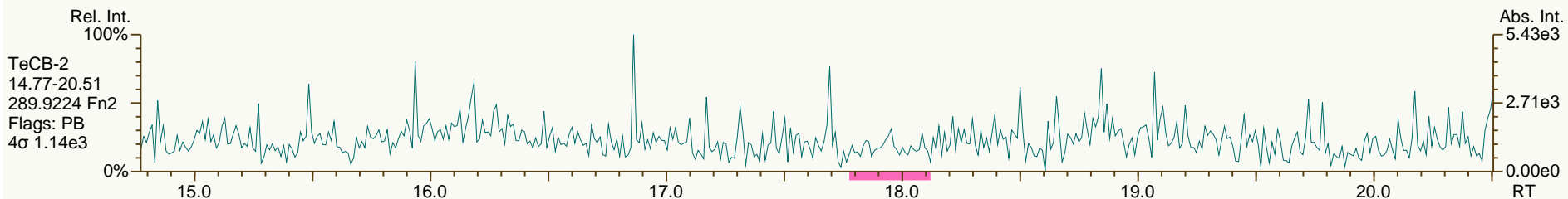
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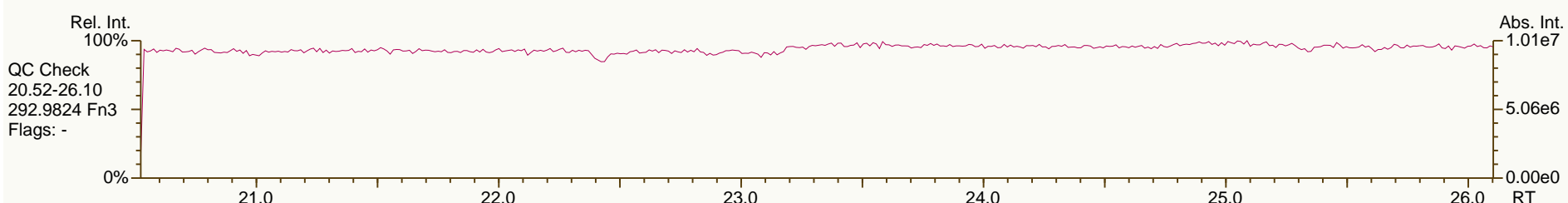
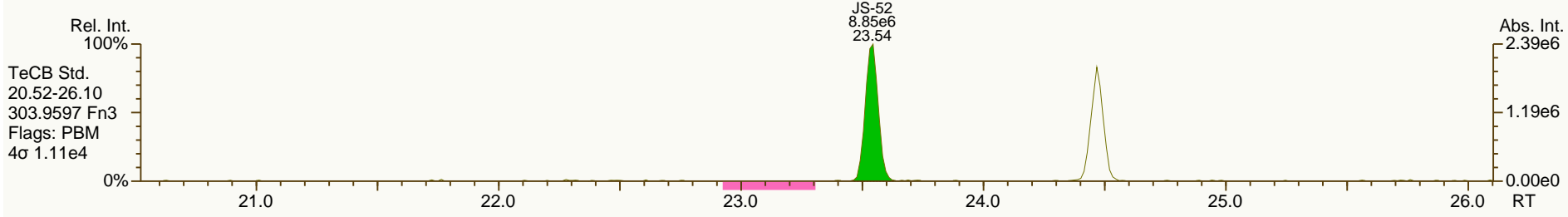
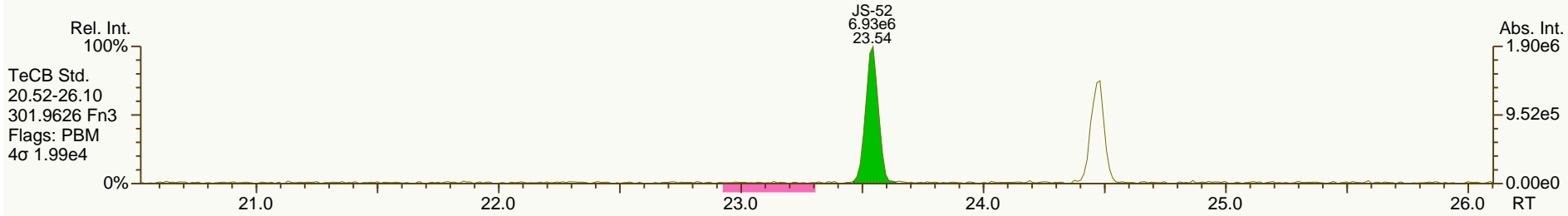
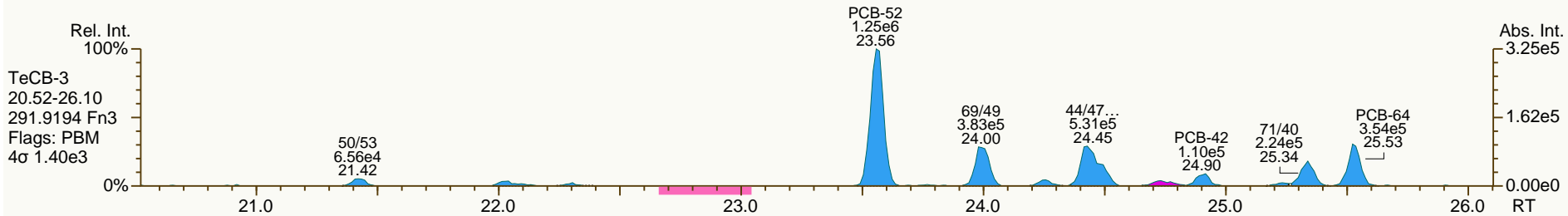
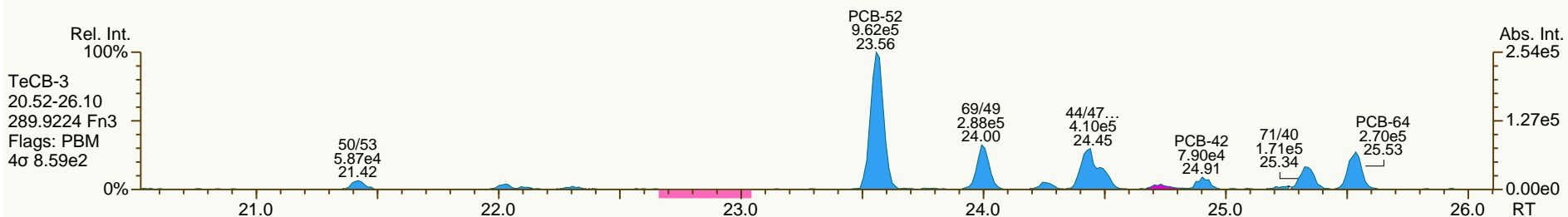
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Sample ID: JW-BL-305-130919
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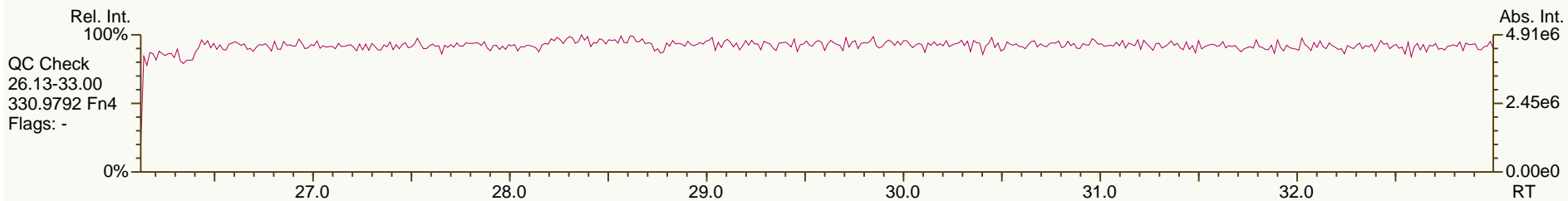
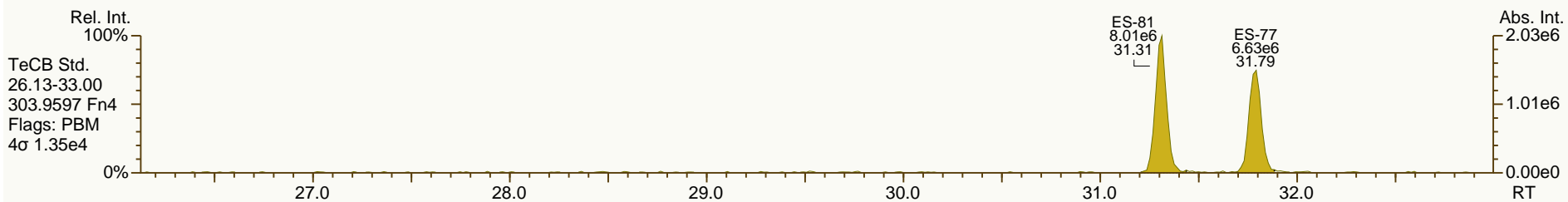
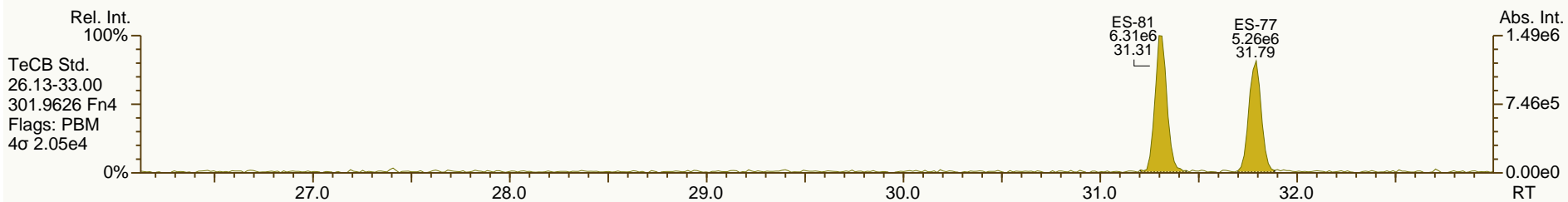
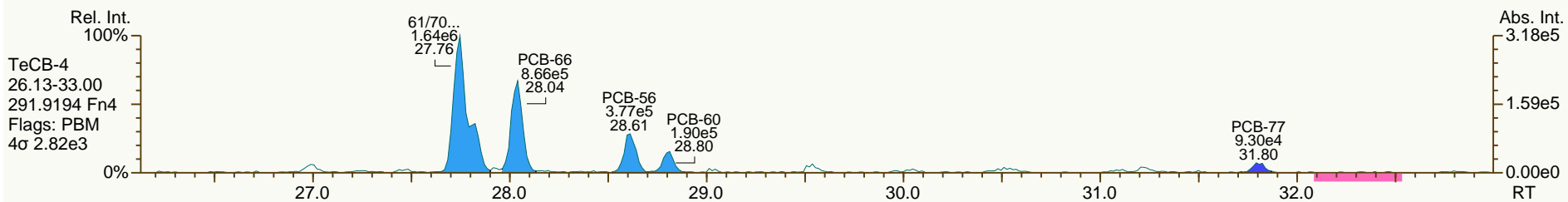
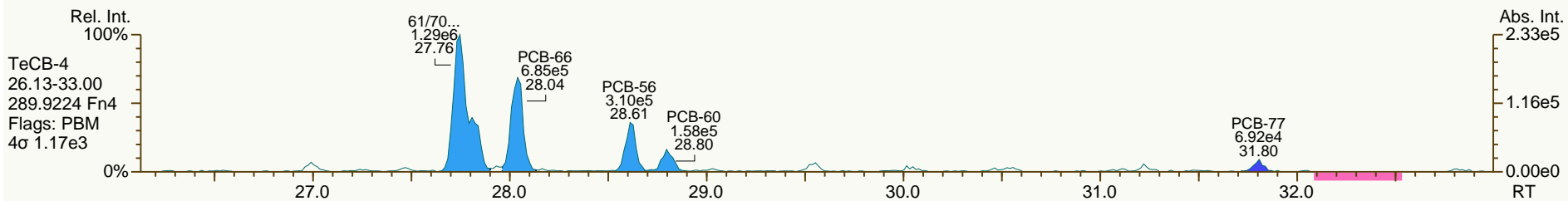
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Sample ID: JW-BL-305-130919
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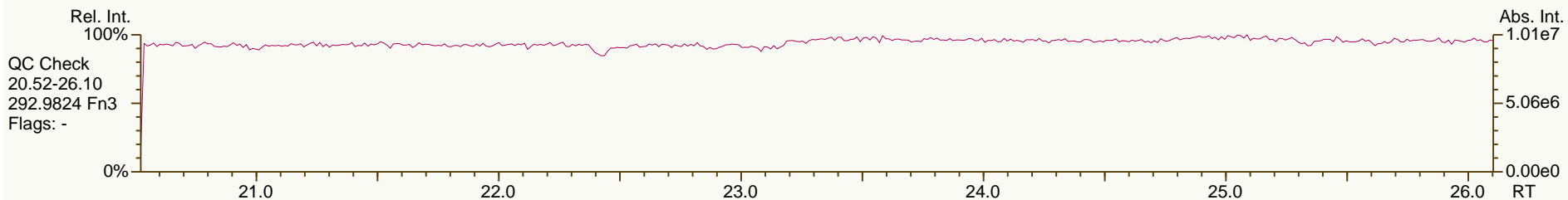
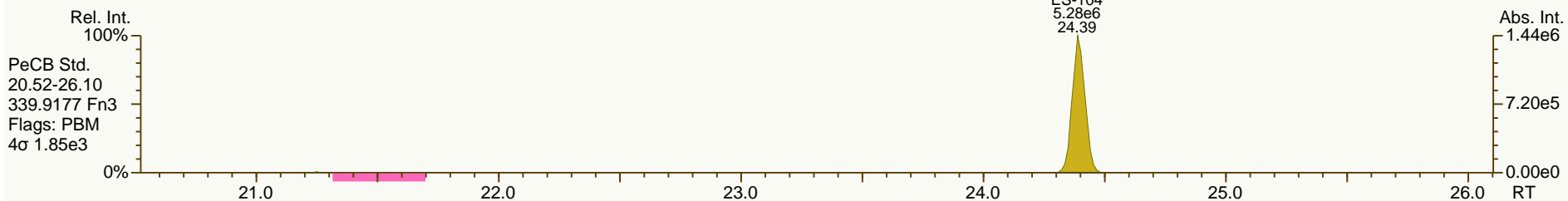
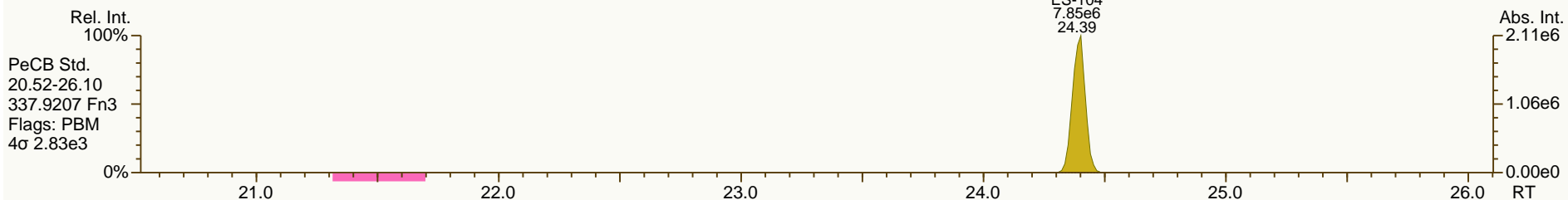
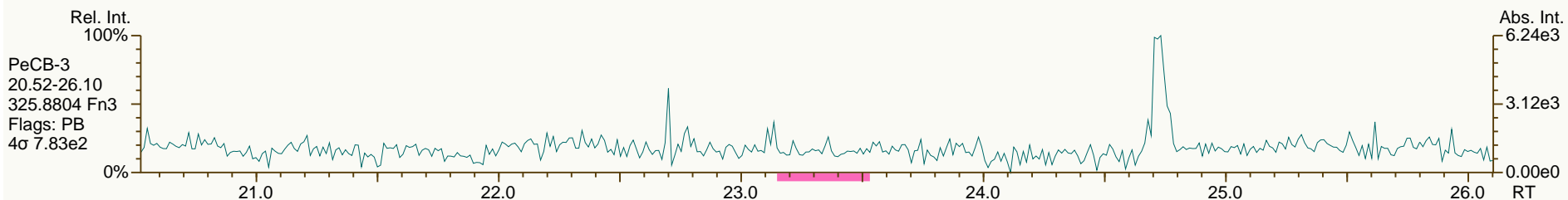
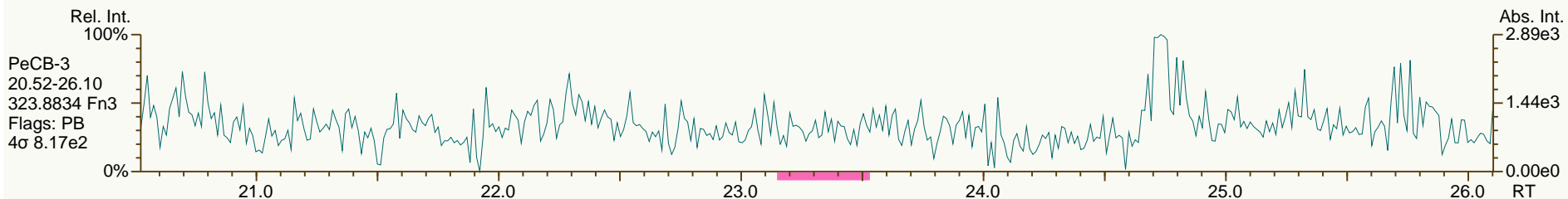
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Sample ID: JW-BL-305-130919
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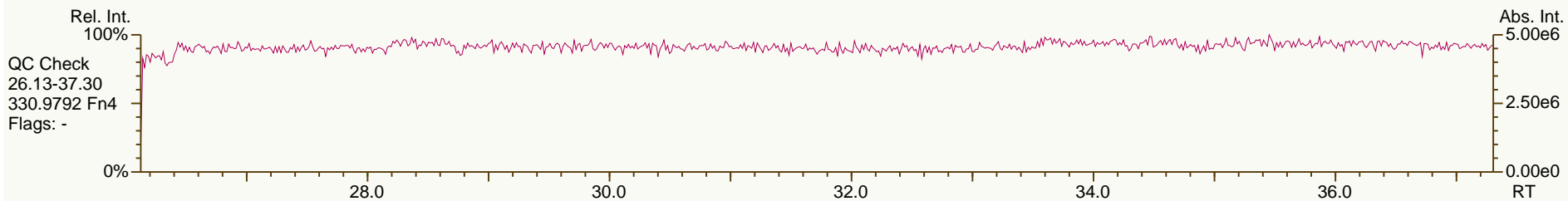
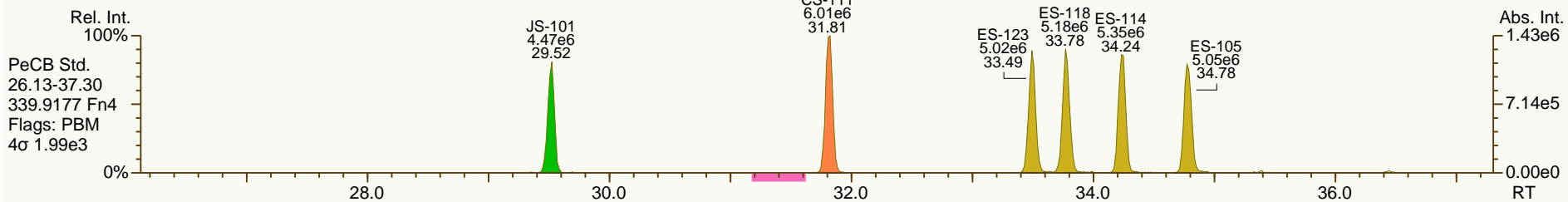
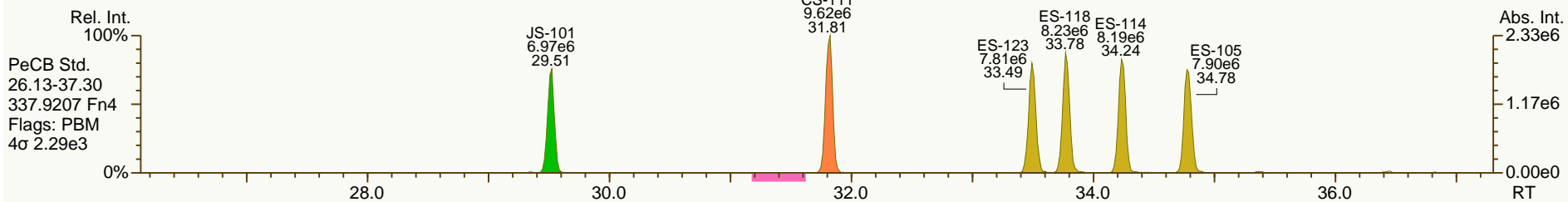
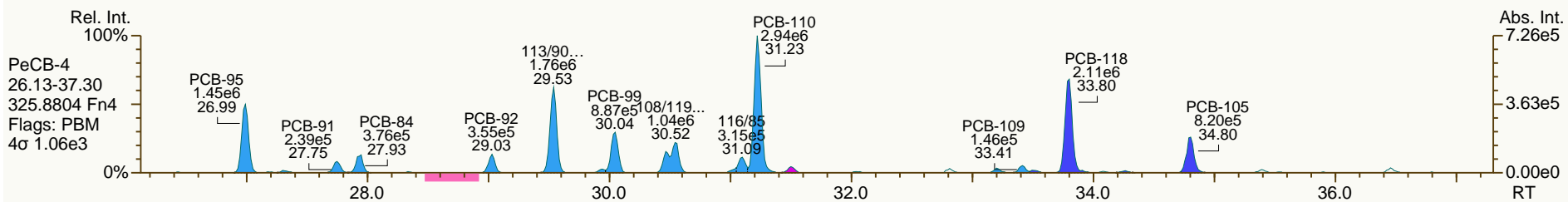
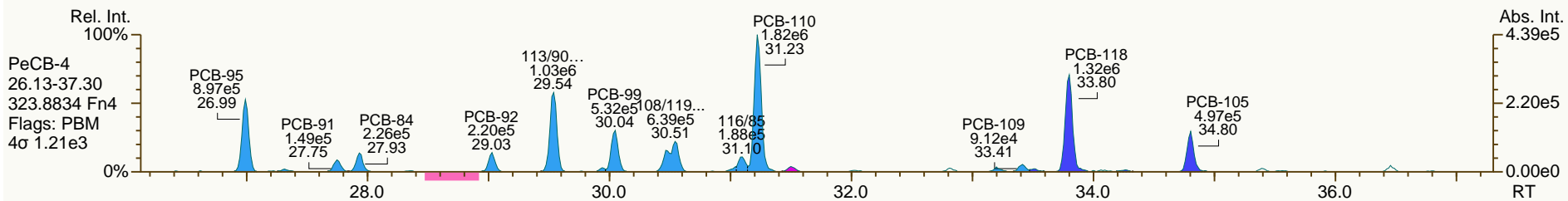
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SGS-AP ID: A5941_11356_PCB_005
Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

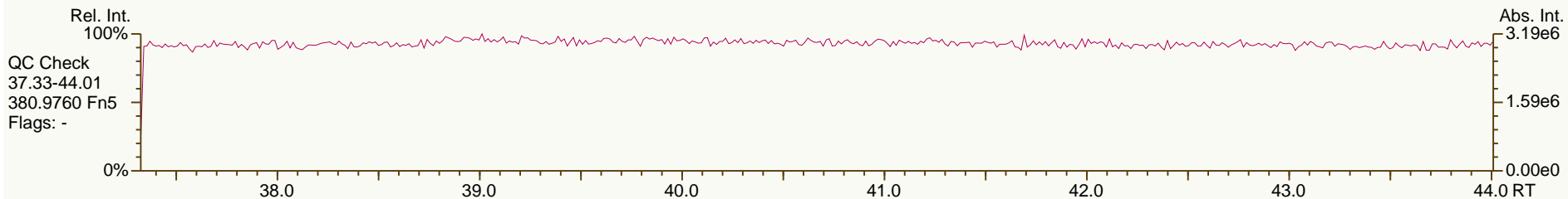
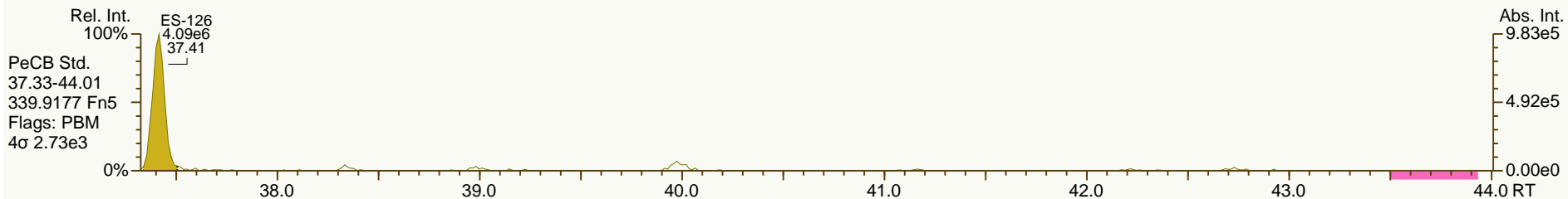
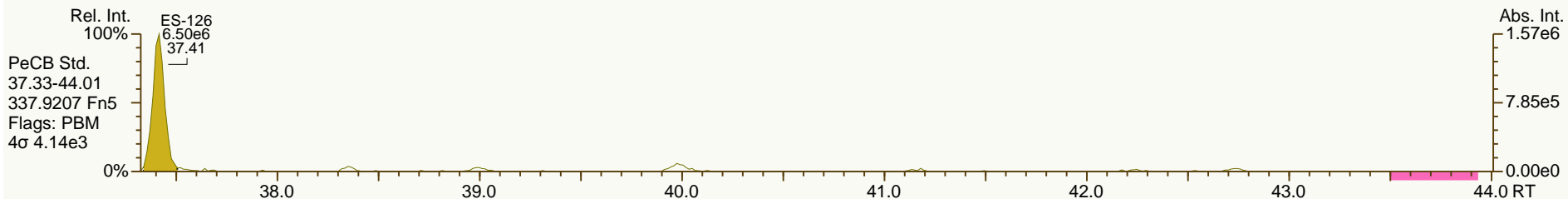
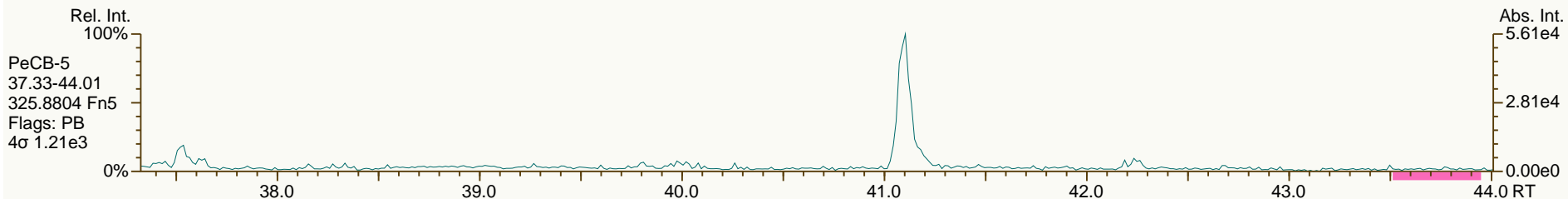
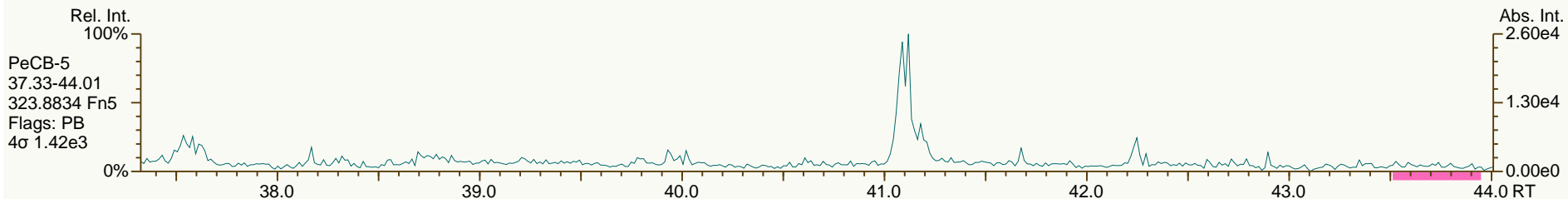
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SGS-AP ID: A5941_11356_PCB_005
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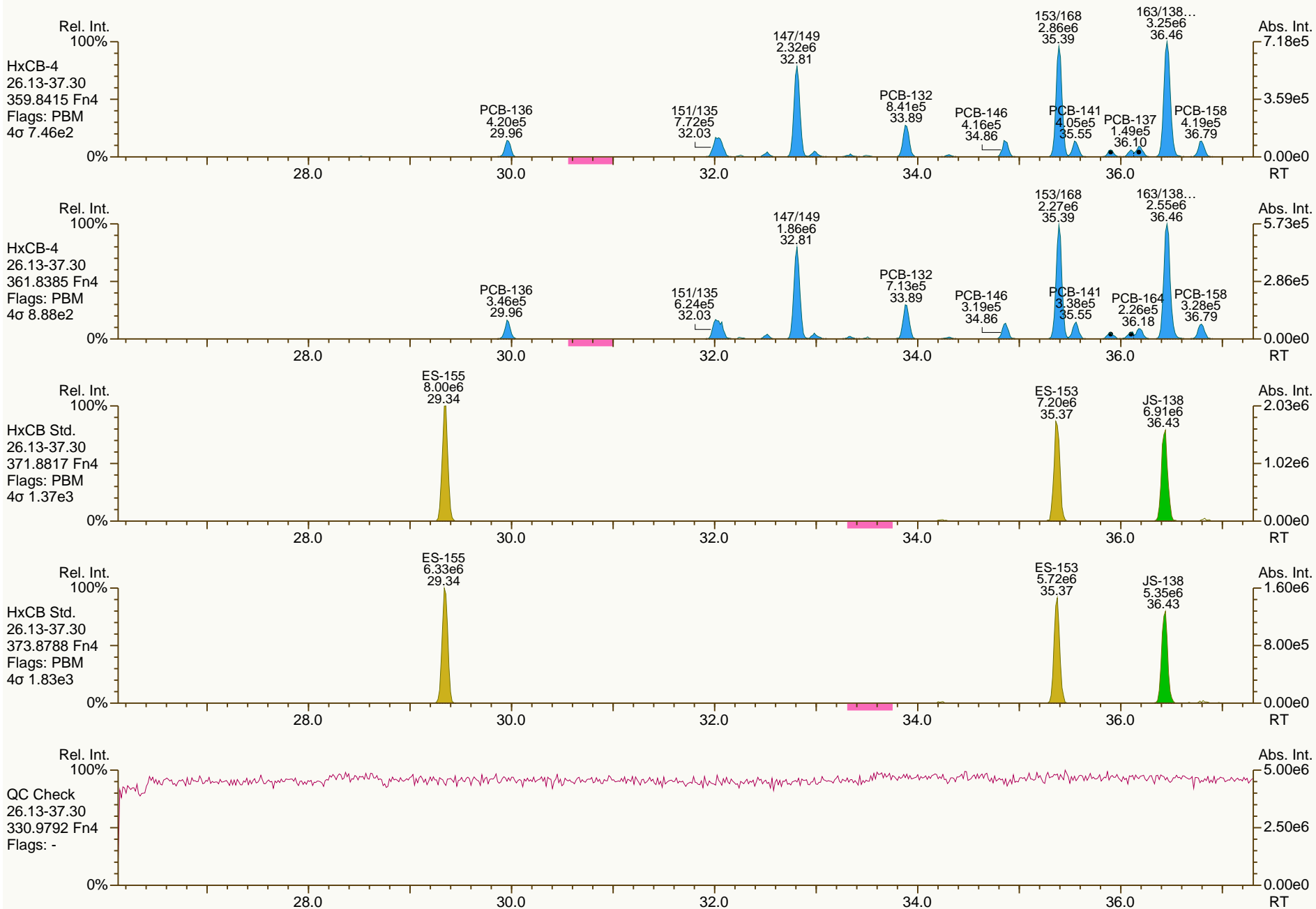
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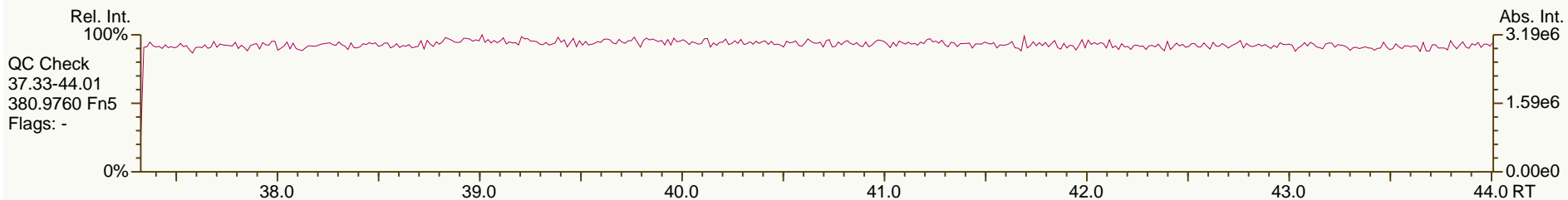
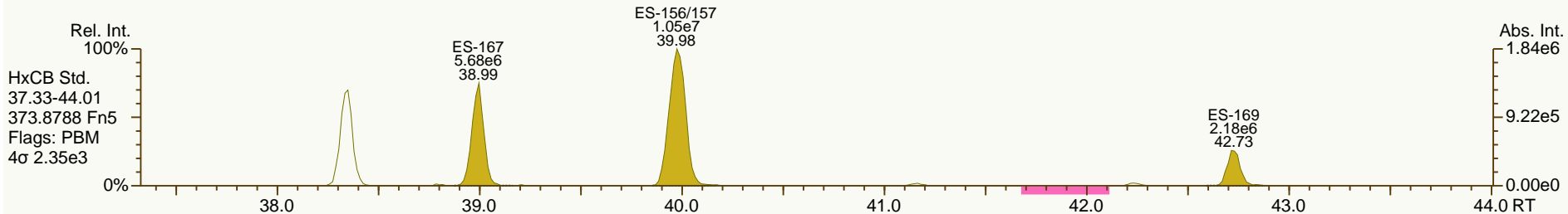
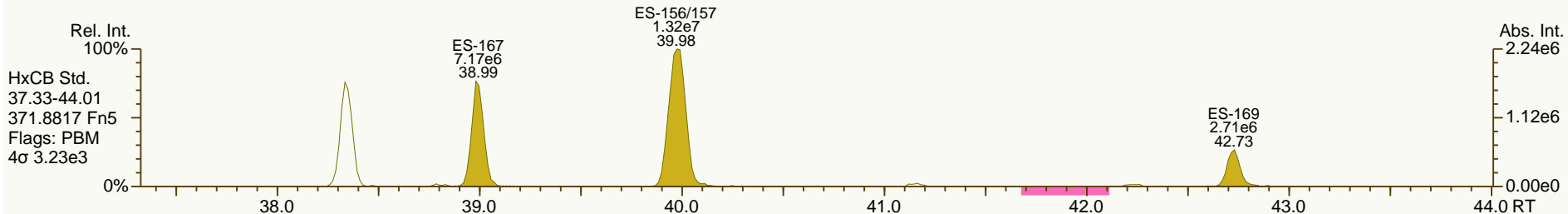
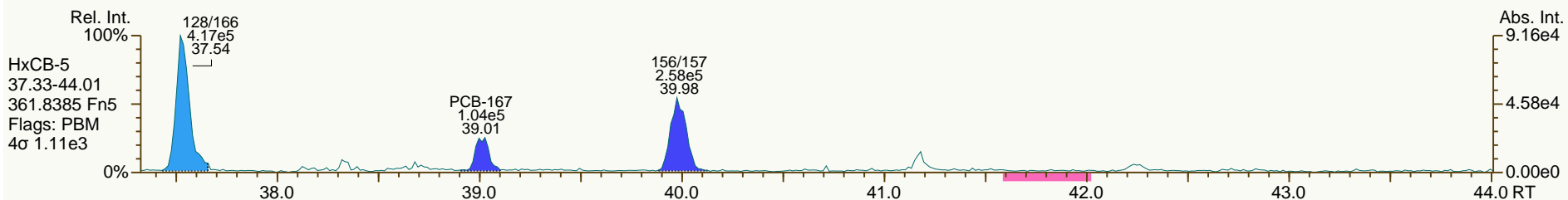
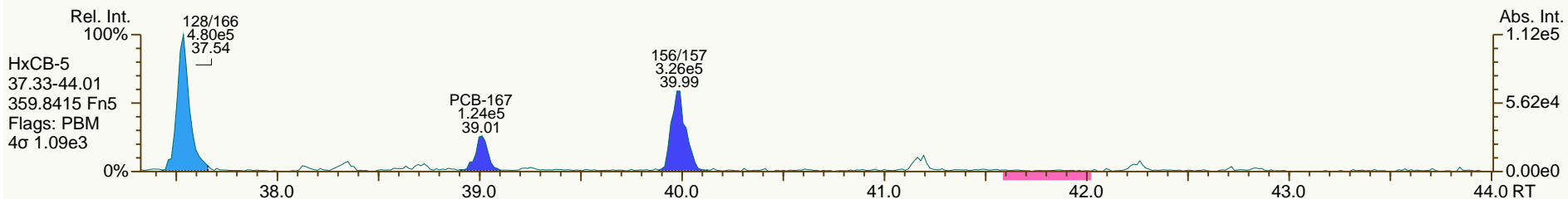
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SGS-AP ID: A5941_11356_PCB_005
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Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

Acq: 02-Oct-2013 19:06:28
 User: JLJ Datafile: 131002V17



SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
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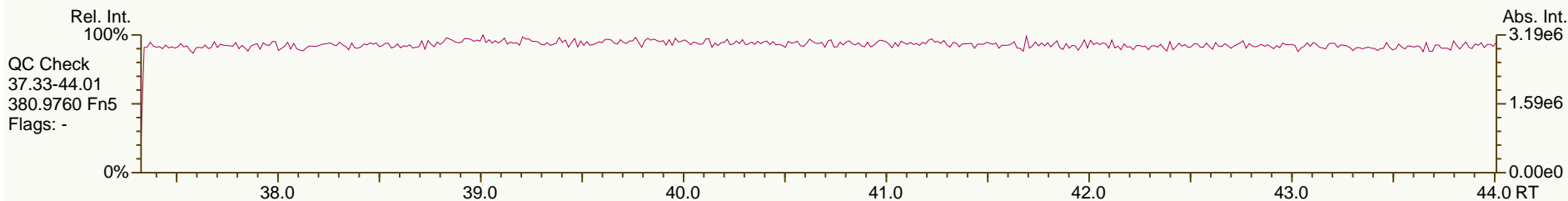
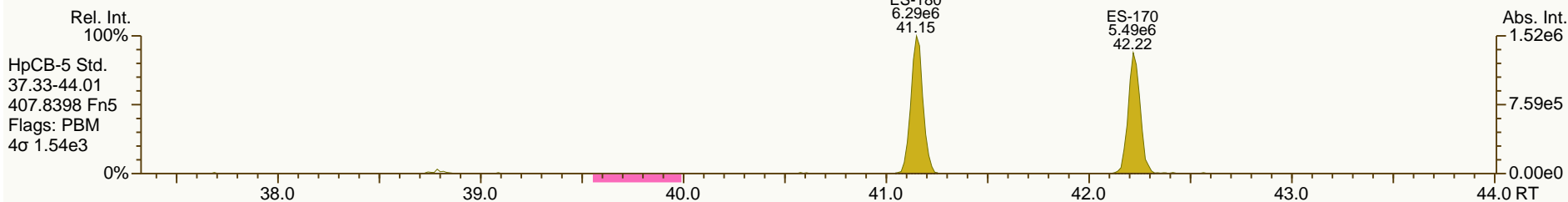
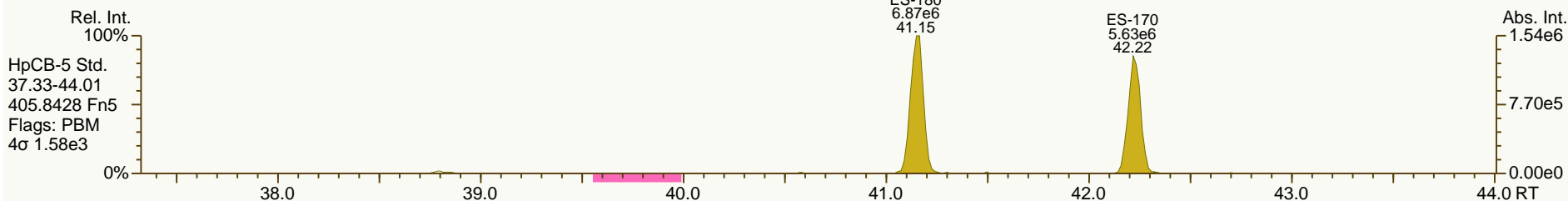
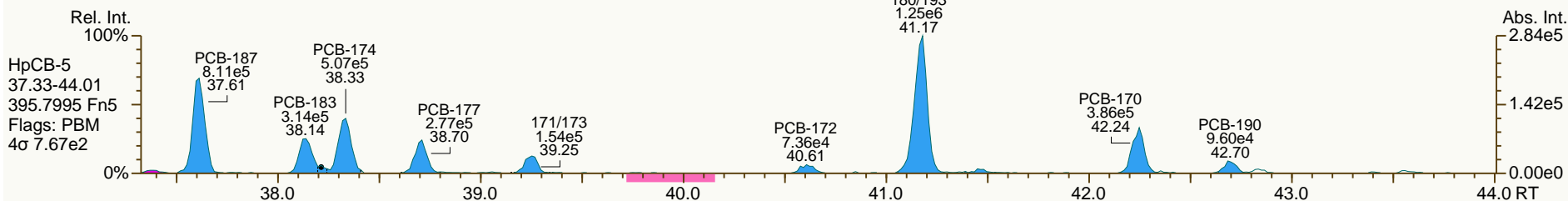
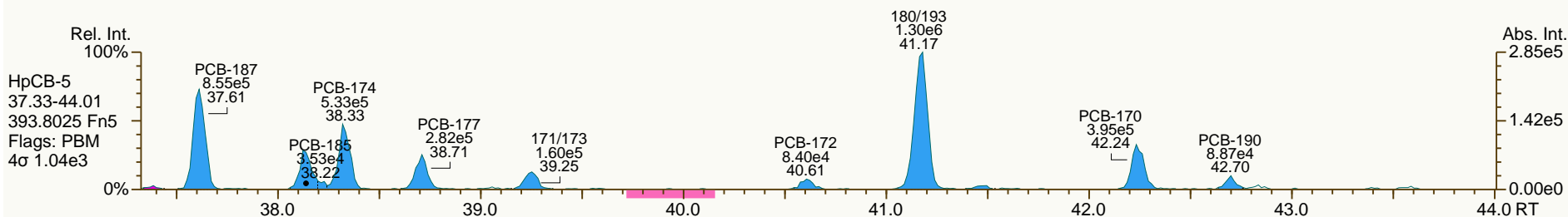
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

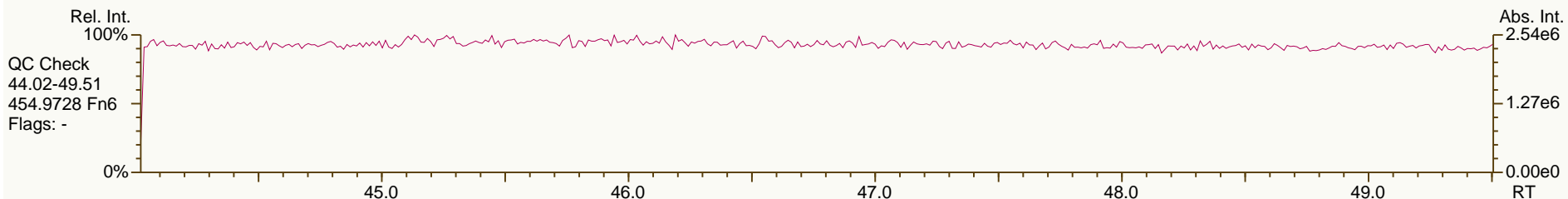
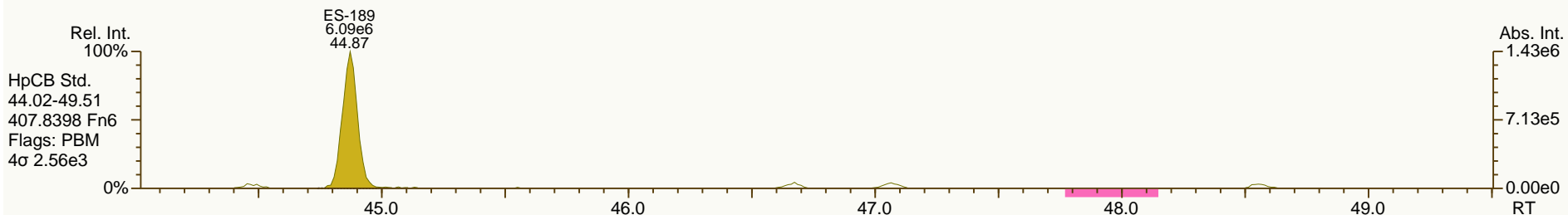
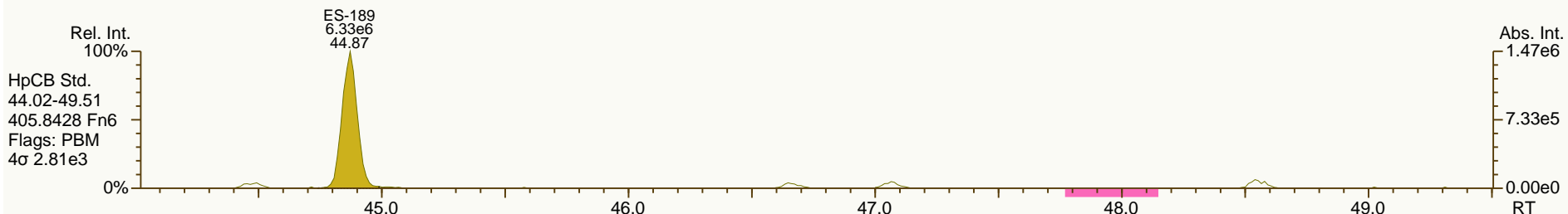
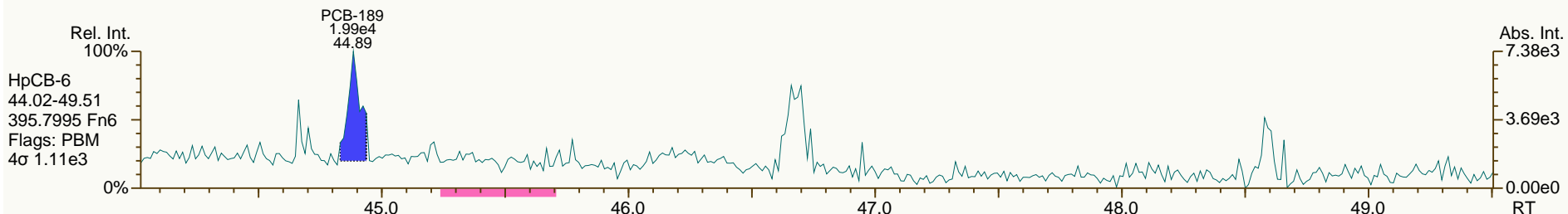
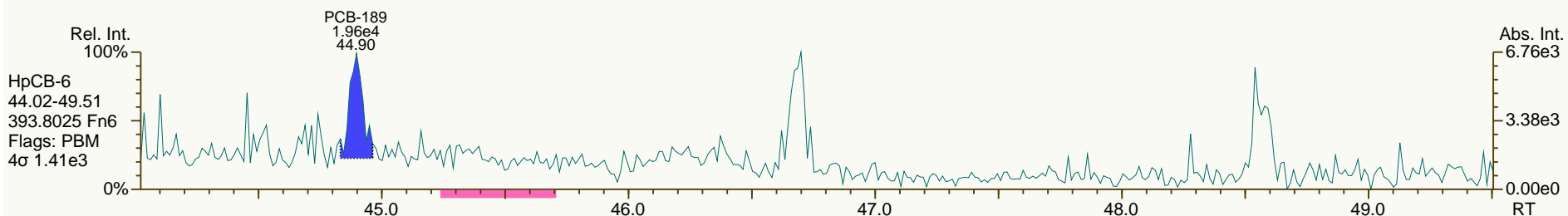
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
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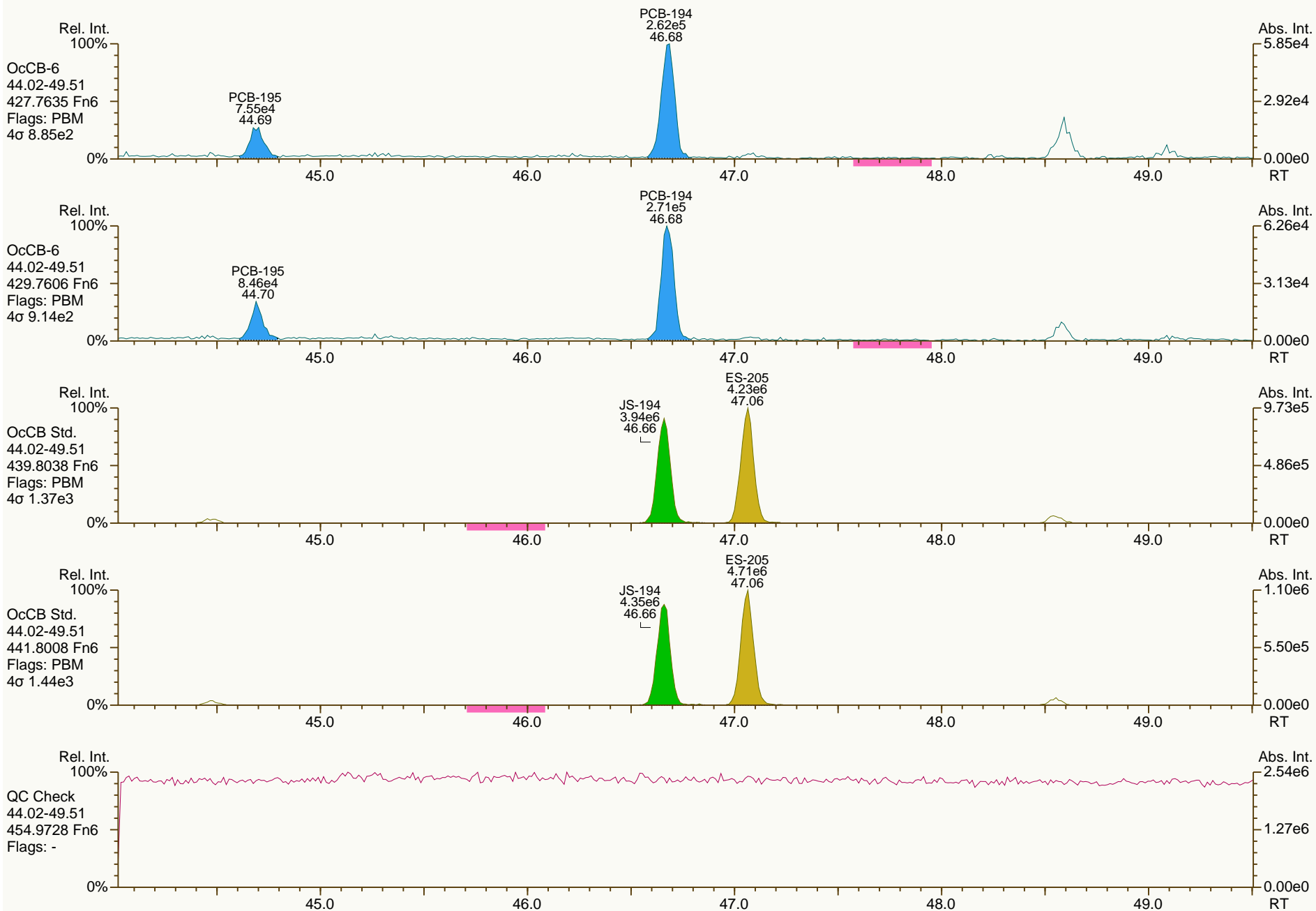
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

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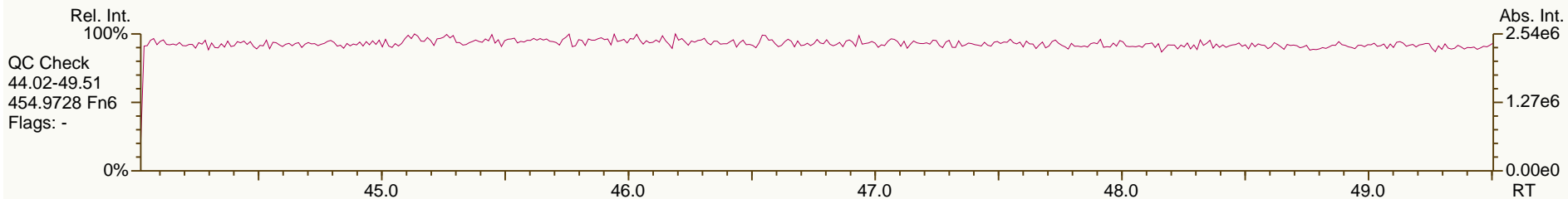
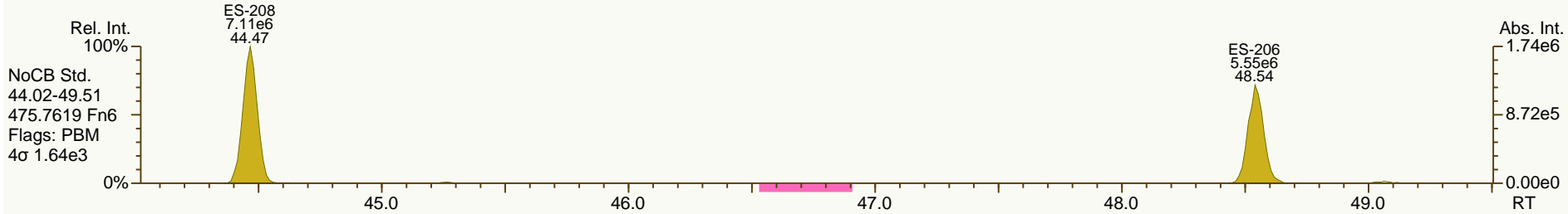
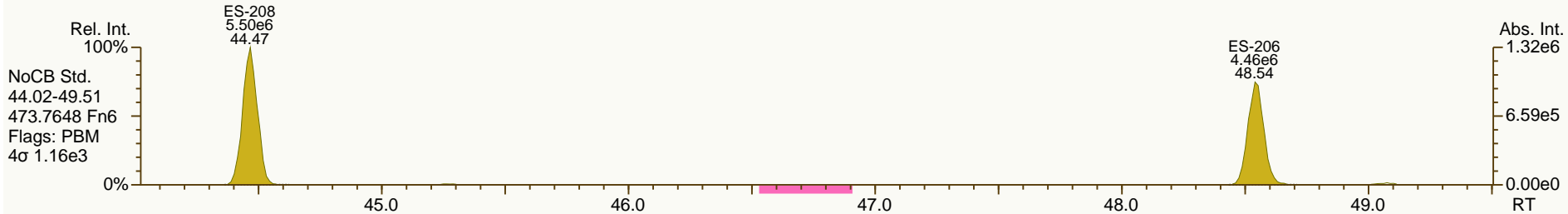
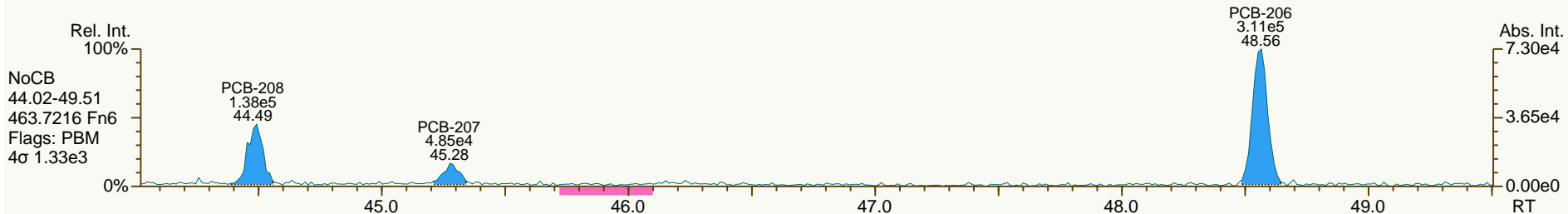
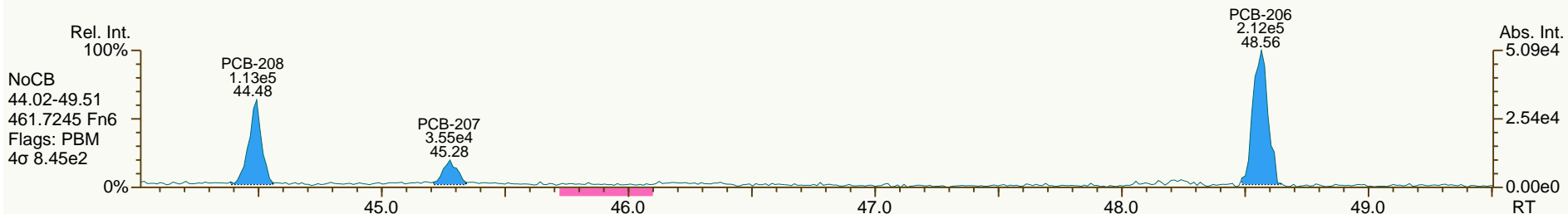
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

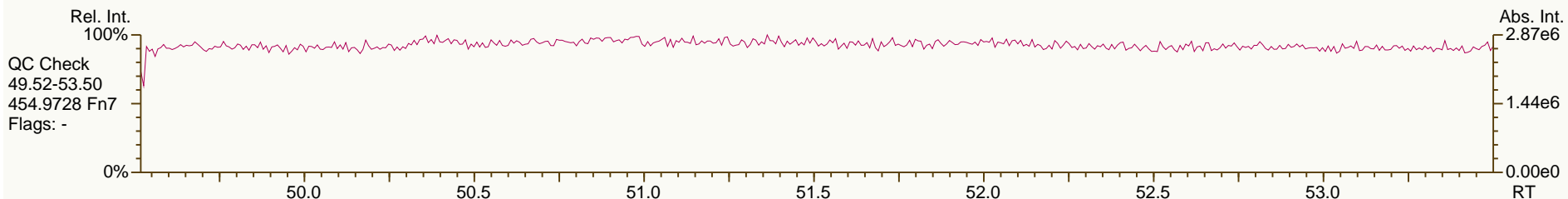
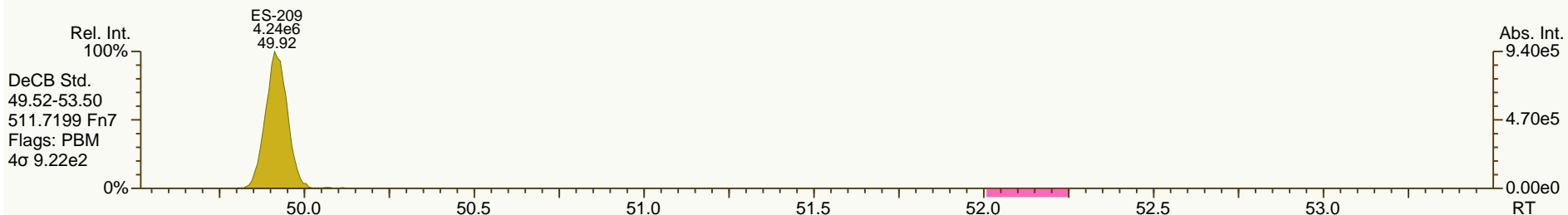
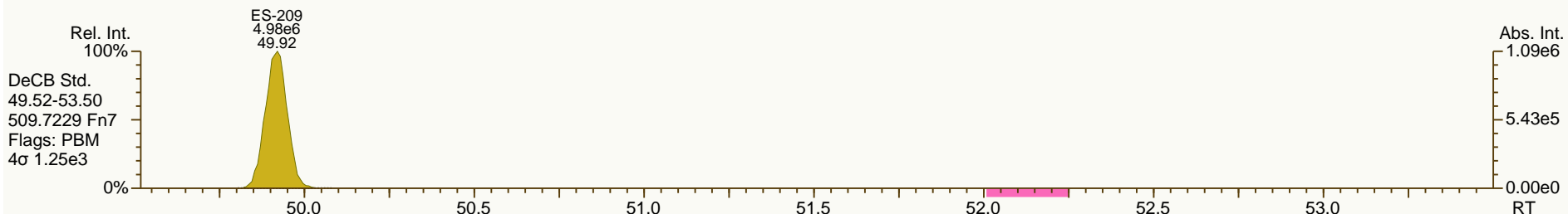
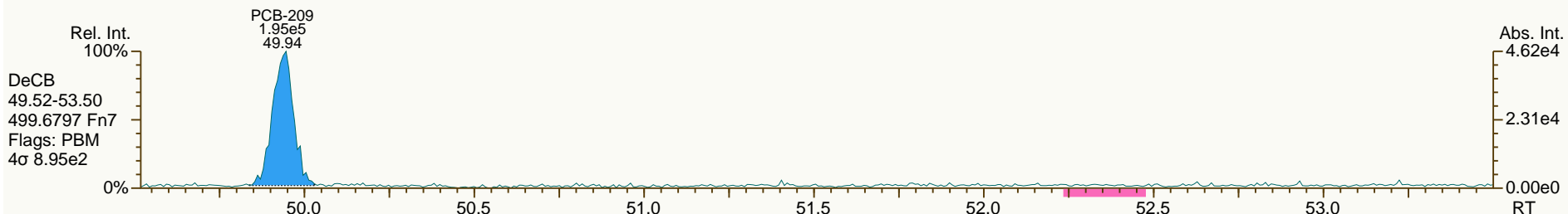
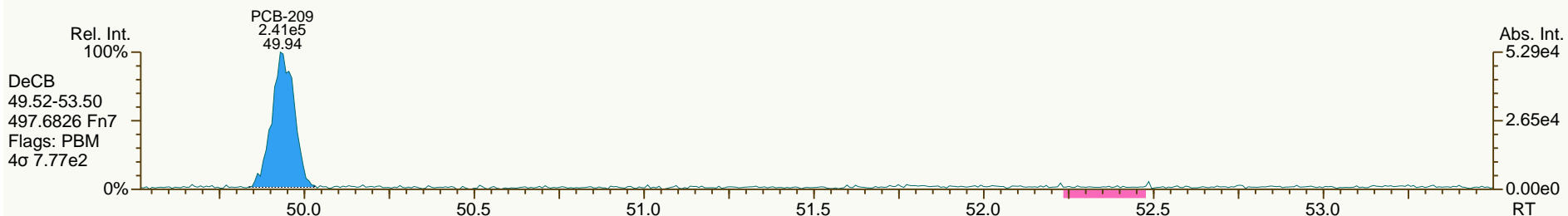
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SGS-AP ID: A5941_11356_PCB_005
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-305-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 49

Acq: 02-Oct-2013 19:06:28
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Lab ID: A5941_11356_PCB_006

ACQ: 02-Oct-2013 20:01:47 JLJ

Wt/Vol: 10.02 g

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Client ID: JW-BL-304-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.998 pg/g Split: 1

Checkcode: 385-222-FVN

Datafile: 131002V18

RPT: 14-Oct-2013 15:51 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.82		1.0007	1.0007	0	1.41E+05	0.79	1.37	2.94	2.61E+03	0.544
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	2.61E+03	0.568
PCB-105 233'44'-PeCB	34.81		1.0007	1.0007	0	1.44E+06	0.62	0.97	39.1	2.44E+03	0.732
PCB-114 2344'5'-PeCB	34.26	EMPC	1.0007	1.0005	-0.4	6.93E+04	0.74	1.06	1.7	2.44E+03	0.618
PCB-118 23'44'5'-PeCB	33.81		1.0007	1.0007	0	3.02E+06	0.60	1.00	79.9	2.44E+03	0.659
PCB-123 23'44'5'-PeCB	33.52		1.0006	1.0005	-0.2	8.42E+04	0.68	1.08	2.14	2.44E+03	0.578
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	1.71E+03	0.559
PCB-156/157 ...-HxCB	39.99	C	1.0005	1.0002	-0.7	5.48E+05	1.27	1.07	15.1	1.93E+03	0.774
PCB-167 23'44'55'-HxCB	39.02		1.0005	1.0004	-0.2	1.89E+05	1.06	1.11	4.7	1.93E+03	0.521
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	1.93E+03	1.12
PCB-189 233'44'55'-HpCB	44.90	J EMPC	1.0004	1.0004	0	3.10E+04	1.21	1.10	0.785	1.58E+03	0.45
PCB-209 DeCB	49.95		1.0004	1.0005	+0.3	1.95E+05	1.18	1.04	7.06	1.54E+03	0.658
ES PCB-1	11.21		0.7198	0.7210	+0.8	3.39E+06	2.86	0.95	27.9 %	25%	150%
ES PCB-3	13.39		0.8609	0.8612	+0.2	5.62E+06	3.05	0.85	51.3 %	25%	150%
ES PCB-4	13.62		0.8761	0.8764	+0.2	5.03E+06	1.56	0.67	58.8 %	25%	150%
ES PCB-15	19.20		1.2354	1.2353	-0.1	9.82E+06	1.64	0.94	81.4 %	25%	150%
ES PCB-19	16.61		1.0686	1.0686	0	4.58E+06	1.02	0.54	65.7 %	25%	150%
ES PCB-37	25.47		1.0819	1.0818	-0.2	8.07E+06	1.12	1.08	80.5 %	25%	150%
ES PCB-54	19.47		0.8267	0.8267	0	6.44E+06	0.76	1.27	54.2 %	25%	150%
ES PCB-77	31.80		1.3503	1.3504	+0.2	7.00E+06	0.78	0.84	89.3 %	25%	150%
ES PCB-81	31.32		1.3301	1.3301	0	7.60E+06	0.75	0.98	83.1 %	25%	150%
ES PCB-104	24.40		0.8266	0.8266	0	7.82E+06	1.54	1.69	69 %	25%	150%
ES PCB-105	34.79		1.1783	1.1784	+0.2	7.59E+06	1.60	1.08	105 %	25%	150%
ES PCB-114	34.24		1.1599	1.1600	+0.2	7.65E+06	1.52	1.11	103 %	25%	150%
ES PCB-118	33.78		1.1443	1.1444	+0.2	7.51E+06	1.62	1.13	99.1 %	25%	150%
ES PCB-123	33.50		1.1348	1.1348	0	7.29E+06	1.49	1.10	98.5 %	25%	150%
ES PCB-126	37.42		1.2676	1.2677	+0.2	6.33E+06	1.68	1.17	80.3 %	25%	150%
ES PCB-153	35.38		0.9709	0.9709	0	6.98E+06	1.22	1.19	80.7 %	25%	150%
ES PCB-155	29.35		0.8056	0.8055	-0.2	8.09E+06	1.33	1.80	63.9 %	25%	150%
ES PCB-156/157	39.98		1.0973	1.0973	0	1.35E+07	1.20	1.13	85.3 %	25%	150%
ES PCB-167	39.00		1.0702	1.0702	0	7.19E+06	1.31	1.20	85.2 %	25%	150%
ES PCB-169	42.73		1.1728	1.1727	-0.3	3.20E+06	1.26	1.00	45.7 %	25%	150%
ES PCB-170	42.23		0.9050	0.9050	0	6.35E+06	1.09	1.24	87.9 %	25%	150%
ES PCB-180	41.16		0.8820	0.8820	0	7.81E+06	1.05	1.51	89.9 %	25%	150%
ES PCB-188	34.24		0.7338	0.7337	-0.2	1.05E+07	1.03	2.06	72.3 %	25%	150%
ES PCB-189	44.88		0.9618	0.9618	0	7.17E+06	1.06	1.78	81 %	25%	150%
ES PCB-202	38.80		0.8315	0.8314	-0.2	9.31E+06	0.89	1.66	80 %	25%	150%
ES PCB-205	47.07		1.0086	1.0086	0	5.18E+06	0.89	1.22	85.9 %	25%	150%
ES PCB-206	48.56		1.0404	1.0404	0	5.99E+06	0.76	1.23	97.7 %	25%	150%
ES PCB-208	44.48		0.9530	0.9530	0	7.15E+06	0.81	1.60	89.8 %	25%	150%
ES PCB-209	49.93		1.0698	1.0698	0	5.32E+06	1.14	1.31	81.8 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.94		0.9317	0.9316	-0.1	1.10E+07	1.09	1.25	108 %	30%	135%
SS PCB-111	31.82		1.0780	1.0780	0	8.94E+06	1.50	1.15	107 %	30%	135%
SS PCB-178	36.82		1.0104	1.0104	0	7.33E+06	1.00	0.54	130 %	30%	135%
CS PCB-28	21.94		0.9317	0.9316	-0.1	1.10E+07	1.09	1.34	87.6 %	30%	135%
CS PCB-111	31.82		1.0780	1.0780	0	8.94E+06	1.50	1.27	105 %	30%	135%
CS PCB-178	36.82		1.0104	1.0104	0	7.33E+06	1.00	1.11	94.3 %	30%	135%
JS PCB-9	15.54					1.28E+07	1.60				
JS PCB-52	23.55					9.33E+06	0.77				
JS PCB-101	29.52					6.72E+06	1.49				
JS PCB-138	36.44					7.03E+06	1.25				
JS PCB-194	46.67					4.96E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			13.1		13.1		0.844	
			Di-CBs			15.3		15.3		1.16	
			Tri-CBs			51.6		55.1		0.836	
			Tetra-CBs			155		163		0.591	
			Penta-CBs			505		507		0.584	
			Hexa-CBs			561		562		0.669	
			Hepta-CBs			212		215		0.573	
			Octa-CBs			75.6		82.4		0.576	
			Nona-CBs			20.5		20.5		0.675	
PCB-1 2-MoCB	11.22		1.0011	1.0010	-0.1	1.17E+05	3.23	1.19	5.79	3.14E+03	0.996
PCB-2 3-MoCB	13.22		0.9878	0.9879	+0.1	6.88E+04	2.81	1.19	2.06	3.14E+03	0.723
PCB-3 4-MoCB	13.40		1.0010	1.0008	-0.2	1.84E+05	3.32	1.24	5.27	3.14E+03	0.691
PCB-4 22'-DiCB	NotFnd		1.0011	-		0.00E+00		0.88	ND	4.95E+03	1.59
PCB-10 26'-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	4.95E+03	1.02
PCB-9 25'-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	3.82E+03	0.86
PCB-7 24'-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	3.82E+03	0.772
PCB-6 23'-DiCB	15.94	J	1.0255	1.0256	+0.1	4.21E+04	SI	0.90	0.95	3.82E+03	0.816
PCB-5 23'-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	3.82E+03	0.808
PCB-8 24'-DiCB	16.35		1.0519	1.0519	0	1.89E+05	SI	0.94	4.11	3.82E+03	0.785
PCB-14 35'-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	3.82E+03	0.673
PCB-11 33'-DiCB	18.65	B	0.9712	0.9711	-0.1	2.46E+05	SI	0.91	5.53	3.82E+03	0.811
PCB-13/12 34'/34'-DiCB	NotFnd	C	0.9862	-		0.00E+00		0.91	ND	3.82E+03	0.806
PCB-15 44'-DiCB	19.21		1.0007	1.0005	-0.2	2.37E+05	SI	1.01	4.76	3.82E+03	0.726
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	2.66E+03	0.991
PCB-30/18 246/22'5-TrCB	18.36	C	1.1054	1.1055	+0.1	1.53E+05	1.12	1.18	5.67	2.66E+03	0.778
PCB-17 22'4-TrCB	18.76		1.1291	1.1293	+0.2	6.43E+04	1.12	1.02	2.74	2.66E+03	0.894
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	2.66E+03	0.679
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	2.66E+03	0.69
PCB-16 22'3-TrCB	19.16	EMPC	1.1538	1.1537	-0.1	3.27E+04	0.69	0.76	1.88	2.66E+03	1.21

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.64		1.1826	1.1825	-0.1	7.96E+04	1.04	1.46	2.37	2.66E+03	0.626
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.82E+03	0.683
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.82E+03	0.664
PCB-26/29 23'5'/245-TrCB	21.19	J EMPC C	0.8329	0.8321	-1.0	8.74E+04	1.20	1.37	1.58	3.82E+03	0.674
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.82E+03	0.646
PCB-31 24'5-TrCB	21.69		0.8514	0.8515	+0.1	6.45E+05	1.05	1.44	11.1	3.82E+03	0.641
PCB-28/20 244'/233'-TrCB	21.96	C	0.8623	0.8620	-0.4	7.56E+05	0.96	1.33	14.1	3.82E+03	0.693
PCB-21/33 234/23'4'-TrCB	22.16	C	0.8692	0.8702	+1.3	3.16E+05	1.04	1.39	5.64	3.82E+03	0.664
PCB-22 234'-TrCB	22.52		0.8839	0.8840	+0.1	2.38E+05	1.09	1.29	4.57	3.82E+03	0.715
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.82E+03	0.67
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.82E+03	0.646
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.82E+03	0.72
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.82E+03	0.766
PCB-37 344'-TrCB	25.49		1.0008	1.0008	0	2.99E+05	0.98	1.35	5.46	3.82E+03	0.681
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.66E+03	0.668
PCB-50/53 22'46/22'56'-TeCB	21.43	J EMPC C	0.9113	0.9100	-1.7	5.11E+04	1.06	0.93	1.44	2.06E+03	0.58
PCB-45 22'36-TeCB	22.04		0.9357	0.9361	+0.5	3.88E+04	0.87	0.79	1.29	2.06E+03	0.684
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.06E+03	0.556
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.06E+03	0.696
PCB-52 22'55'-TeCB	23.57		1.0010	1.0009	-0.1	1.03E+06	0.80	0.91	29.7	2.06E+03	0.595
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.06E+03	0.473
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.06E+03	0.653
PCB-69/49 23'46/22'45'-TeCB	24.00	C	1.0187	1.0195	+1.2	4.40E+05	0.76	1.09	10.6	2.06E+03	0.494
PCB-48 22'45-TeCB	24.26	EMPC	1.0304	1.0305	+0.1	5.64E+04	0.95	0.91	1.63	2.06E+03	0.595
PCB-44/47/65 ...-TeCB	24.45	C	1.0396	1.0385	-1.6	6.46E+05	0.74	0.97	17.5	2.06E+03	0.556
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0509	-0.4	4.84E+04	0.71	1.22	1.04	2.06E+03	0.442
PCB-42 22'34'-TeCB	24.91		1.0580	1.0580	0	1.27E+05	0.80	0.87	3.86	2.06E+03	0.624
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.06E+03	0.704
PCB-71/40 23'4'6/22'33'-TeCB	25.34	C	1.0762	1.0762	0	2.39E+05	0.78	0.93	6.74	2.06E+03	0.581
PCB-64 234'6-TeCB	25.54		1.0847	1.0847	0	3.55E+05	0.73	1.32	7.08	2.06E+03	0.41
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.61E+03	0.619
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.61E+03	0.514
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.61E+03	0.573
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.61E+03	0.556
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.61E+03	0.528
PCB-63 234'5-TeCB	27.47	J	0.8771	0.8772	+0.2	3.07E+04	0.72	1.34	0.603	2.61E+03	0.511
PCB-61/70/74/76 ...-TeCB	27.77	C	0.8864	0.8867	+0.5	1.93E+06	0.77	1.23	41.3	2.61E+03	0.556
PCB-66 23'44'-TeCB	28.04		0.8953	0.8953	0	1.00E+06	0.68	1.16	22.8	2.61E+03	0.591
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.61E+03	0.584
PCB-56 233'4'-TeCB	28.62		0.9138	0.9138	0	4.37E+05	0.77	1.15	9.96	2.61E+03	0.593
PCB-60 2344'-TeCB	28.81	EMPC	0.9199	0.9199	0	2.02E+05	0.64	1.18	4.5	2.61E+03	0.58
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.61E+03	0.496
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.61E+03	0.508
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.61E+03	0.632
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.76E+03	0.36
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.76E+03	0.414
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	2.44E+03	0.771
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	2.44E+03	0.902

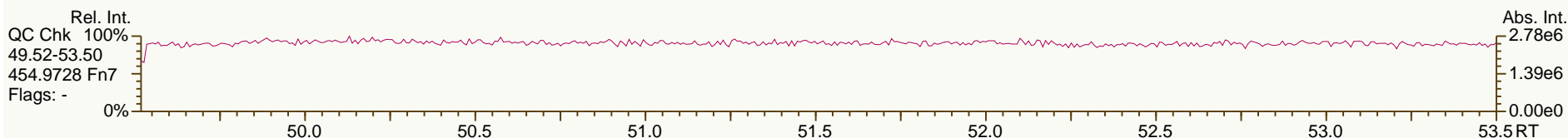
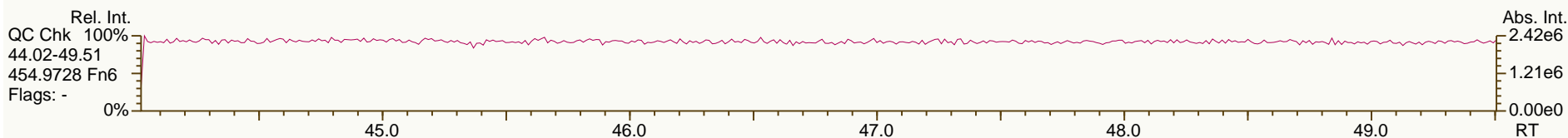
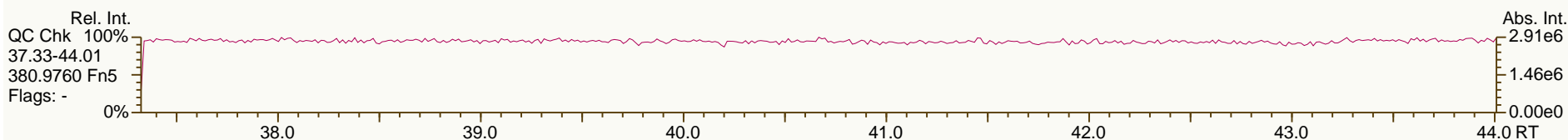
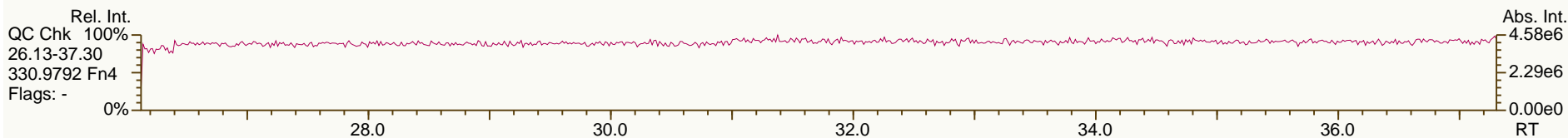
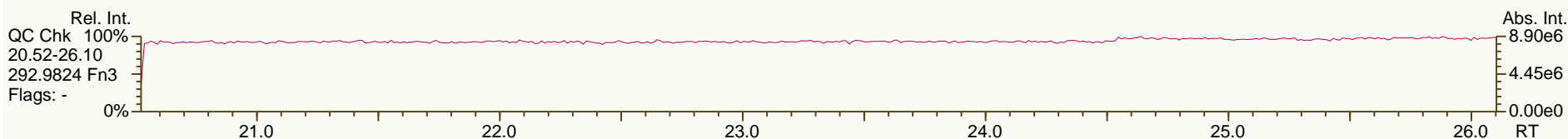
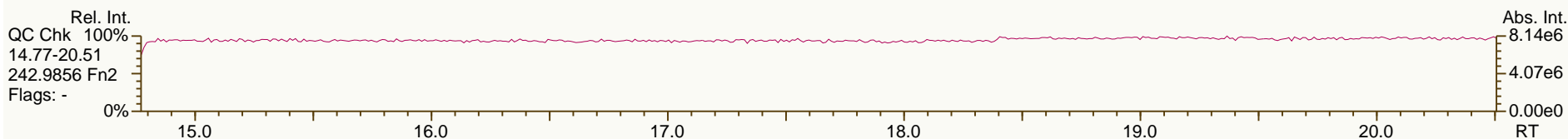
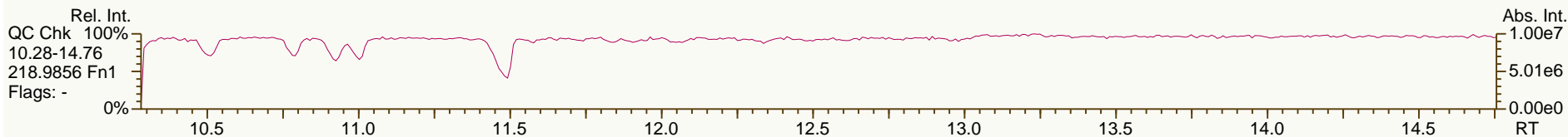
Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	27.00		0.9145	0.9145	0	1.52E+06	0.61	0.74	56	2.44E+03	0.837
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	2.44E+03	0.825
PCB-102 22'456'-PeCB	27.32		0.9256	0.9255	-0.2	6.03E+04	0.67	0.86	1.93	2.44E+03	0.727
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	2.44E+03	0.915
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	2.44E+03	0.906
PCB-91 22'34'6-PeCB	27.75		0.9401	0.9401	0	3.01E+05	0.64	0.87	9.51	2.44E+03	0.719
PCB-84 22'33'6-PeCB	27.94		0.9464	0.9464	0	4.39E+05	0.67	0.64	18.7	2.44E+03	0.968
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	2.44E+03	0.895
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	2.44E+03	0.582
PCB-92 22'355'-PeCB	29.04		0.9835	0.9836	+0.2	3.11E+05	0.65	0.73	11.6	2.44E+03	0.85
PCB-113/90/101 ...-PeCB	29.54	C	0.9999	1.0008	+1.6	1.90E+06	0.64	0.87	59.7	2.44E+03	0.714
PCB-83 22'33'5-PeCB	29.94		1.0145	1.0141	-0.7	8.83E+04	0.60	0.65	3.74	2.44E+03	0.961
PCB-99 22'44'5-PeCB	30.05		1.0179	1.0179	0	1.21E+06	0.61	0.78	42.5	2.44E+03	0.796
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	2.44E+03	0.625
PCB-108/119/86/97/125...-PeCB	30.52	C	1.0329	1.0340	+2.0	1.33E+06	0.64	0.87	42.2	2.44E+03	0.719
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	2.44E+03	0.621
PCB-116/85 23456/22'344'-PeCB	31.10	C	1.0539	1.0533	-1.1	6.08E+05	0.60	0.81	20.5	2.44E+03	0.765
PCB-110 233'4'6-PeCB	31.24		1.0580	1.0581	+0.2	3.67E+06	0.62	1.01	99.2	2.44E+03	0.615
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	2.44E+03	0.643
PCB-82 22'33'4-PeCB	31.51		1.0674	1.0674	0	2.08E+05	0.65	0.63	9.1	2.44E+03	0.993
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	2.44E+03	0.58
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	2.44E+03	0.582
PCB-107/124 ...-PeCB	33.21	C	0.9913	0.9914	+0.2	1.18E+05	0.56	0.95	3.39	2.44E+03	0.653
PCB-109 233'46-PeCB	33.42		0.9974	0.9975	+0.2	2.30E+05	0.70	1.10	5.72	2.44E+03	0.566
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	2.44E+03	0.619
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	2.44E+03	0.742
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	2.44E+03	0.733
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.36E+03	0.259
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.36E+03	0.286
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.36E+03	0.286
PCB-136 22'33'66'-HxCB	29.97		1.0210	1.0210	0	4.79E+05	1.23	0.98	12	1.36E+03	0.318
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.36E+03	0.306
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.36E+03	0.378
PCB-151/135 ...-HxCB	32.04	C	1.0918	1.0917	-0.2	1.06E+06	1.21	1.00	30.6	1.36E+03	0.389
PCB-154 22'44'56'-HxCB	32.26	EMPC	1.0991	1.0991	0	4.53E+04	1.01	1.14	1.14	1.36E+03	0.34
PCB-144 22'345'6-HxCB	32.52		1.1079	1.1080	+0.2	1.50E+05	1.14	1.03	4.14	1.36E+03	0.375
PCB-147/149 ...-HxCB	32.82	C	1.1182	1.1181	-0.2	3.42E+06	1.24	1.05	92.9	1.36E+03	0.369
PCB-134 22'33'56-HxCB	33.00		1.1239	1.1242	+0.6	1.98E+05	1.28	0.77	7.32	1.36E+03	0.501
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.36E+03	0.367
PCB-139/140 ...-HxCB	33.34	C	1.1359	1.1359	0	9.78E+04	1.34	1.05	2.65	1.36E+03	0.368
PCB-131 22'33'46-HxCB	33.51		1.1417	1.1416	-0.2	4.97E+04	1.26	0.91	1.57	1.36E+03	0.428
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.36E+03	0.425
PCB-132 22'33'46'-HxCB	33.89		1.1547	1.1547	0	1.13E+06	1.27	0.93	34.7	1.36E+03	0.417
PCB-133 22'33'55'-HxCB	34.32		1.1690	1.1691	+0.2	6.90E+04	1.23	0.98	2.02	1.36E+03	0.397
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.36E+03	0.323
PCB-146 22'34'55'-HxCB	34.87		0.9570	0.9570	0	6.26E+05	1.19	1.09	16.5	1.36E+03	0.357
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.36E+03	0.286
PCB-153/168 ...-HxCB	35.40	C	0.9720	0.9715	-1.1	4.45E+06	1.25	1.32	96.2	1.36E+03	0.293

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.56		0.9759	0.9759	0	5.87E+05	1.31	1.02	16.4	1.36E+03	0.378
PCB-130 22'33'45'-HxCB	35.91		0.9854	0.9854	0	2.90E+05	1.30	0.89	9.29	1.36E+03	0.434
PCB-137 22'344'5'-HxCB	36.11		0.9908	0.9908	0	2.69E+05	1.28	1.09	7.02	1.36E+03	0.354
PCB-164 233'4'5'6'-HxCB	36.19		0.9932	0.9932	0	4.14E+05	1.21	1.28	9.25	1.36E+03	0.303
PCB-163/138/129 ...-HxCB	36.46	C	1.0011	1.0007	-0.9	5.88E+06	1.27	1.06	158	1.36E+03	0.364
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.36E+03	0.325
PCB-158 233'44'6'-HxCB	36.80		1.0099	1.0099	0	6.56E+05	1.19	1.37	13.7	1.36E+03	0.282
PCB-128/166 ...-HxCB	37.55	C	0.9625	0.9628	+0.7	8.44E+05	1.27	0.86	27.1	1.93E+03	0.672
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.93E+03	0.563
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.93E+03	0.565
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.31E+03	0.273
PCB-179 22'33'566'-HpCB	34.54		1.0087	1.0088	+0.2	4.85E+05	1.05	0.87	10.7	1.31E+03	0.286
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.31E+03	0.294
PCB-176 22'33'466'-HpCB	35.30		1.0308	1.0310	+0.4	1.42E+05	1.19	0.95	2.86	1.31E+03	0.262
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.31E+03	0.282
PCB-178 22'33'55'6'-HpCB	36.84		1.0759	1.0760	+0.2	1.96E+05	1.00	0.63	5.95	1.31E+03	0.393
PCB-175 22'33'45'6'-HpCB	37.39		1.0919	1.0921	+0.4	4.55E+04	1.15	0.86	1.35	2.28E+03	0.771
PCB-187 22'34'55'6'-HpCB	37.62		1.0986	1.0987	+0.2	1.48E+06	1.04	0.97	38.9	2.28E+03	0.681
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.28E+03	0.656
PCB-183 22'344'5'6'-HpCB	38.14		1.1139	1.1140	+0.2	5.61E+05	1.02	1.00	14.3	2.28E+03	0.66
PCB-185 22'3455'6'-HpCB	38.22	EMPC	1.1163	1.1164	+0.2	8.02E+04	0.87	0.90	2.28	2.28E+03	0.736
PCB-174 22'33'456'-HpCB	38.34		1.1196	1.1197	+0.2	9.04E+05	0.99	0.86	26.7	2.28E+03	0.766
PCB-177 22'33'45'6'-HpCB	38.71		1.1305	1.1307	+0.5	4.76E+05	1.19	0.82	14.8	2.28E+03	0.809
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.28E+03	0.693
PCB-171/173 ...-HpCB	39.25	C	1.1461	1.1465	+0.9	2.51E+05	0.96	0.82	7.85	2.28E+03	0.811
PCB-172 22'33'455'-HpCB	40.62		0.9050	0.9050	0	1.42E+05	1.01	0.83	4.36	2.28E+03	0.796
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.28E+03	0.608
PCB-180/193 ...-HpCB	41.18	C	0.9168	0.9174	+1.5	2.25E+06	0.99	1.03	55.9	2.28E+03	0.645
PCB-191 233'44'5'6'-HpCB	41.48	J	0.9242	0.9241	-0.2	4.12E+04	1.09	1.14	0.922	2.28E+03	0.581
PCB-170 22'33'44'5'-HpCB	42.25		0.9414	0.9414	0	7.11E+05	1.09	0.96	23.4	2.28E+03	0.763
PCB-190 233'44'56-HpCB	42.71		0.9515	0.9516	+0.3	1.82E+05	1.04	1.28	4.46	2.28E+03	0.568
PCB-202 22'33'55'66'-OoCB	38.82		1.0006	1.0004	-0.5	2.81E+05	0.94	0.86	6.99	1.85E+03	0.494
PCB-201 22'33'45'66'-OoCB	39.61		1.0209	1.0210	+0.2	1.19E+05	1.01	0.97	2.63	1.85E+03	0.44
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.85E+03	0.473
PCB-197 22'33'44'66'-OoCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.85E+03	0.425
PCB-200 22'33'4566'-OoCB	40.47	EMPC	1.0430	1.0430	0	8.59E+04	0.66	0.88	2.08	1.85E+03	0.482
PCB-198/199 ...-OoCB	42.85	C	1.1037	1.1043	+1.5	8.14E+05	0.85	0.66	26.3	1.85E+03	0.643
PCB-196 22'33'44'56'-OoCB	43.41		1.1186	1.1187	+0.3	2.29E+05	0.85	0.68	7.18	1.85E+03	0.623
PCB-203 22'344'55'6'-OoCB	43.58		1.1230	1.1231	+0.3	5.30E+05	0.90	0.71	16	1.85E+03	0.599
PCB-195 22'33'44'56-OoCB	44.70	EMPC	0.9498	0.9497	-0.3	9.94E+04	0.72	0.81	4.75	1.66E+03	0.889
PCB-194 22'33'44'55'-OoCB	46.69		0.9918	0.9918	0	3.73E+05	0.85	0.87	16.5	1.66E+03	0.825
PCB-205 233'44'55'6'-OoCB	NotFnd		1.0004	-		0.00E+00		1.09	ND	1.66E+03	0.658
PCB-208 22'33'455'66'-NoCB	44.50		1.0005	1.0004	-0.3	1.61E+05	0.68	1.00	4.52	1.80E+03	0.546
PCB-207 22'33'44'566'-NoCB	45.29		1.0184	1.0184	0	5.06E+04	0.72	0.99	1.43	1.80E+03	0.549
PCB-206 22'33'44'55'6'-NoCB	48.57		1.0004	1.0004	0	3.72E+05	0.76	0.85	14.6	1.80E+03	0.804

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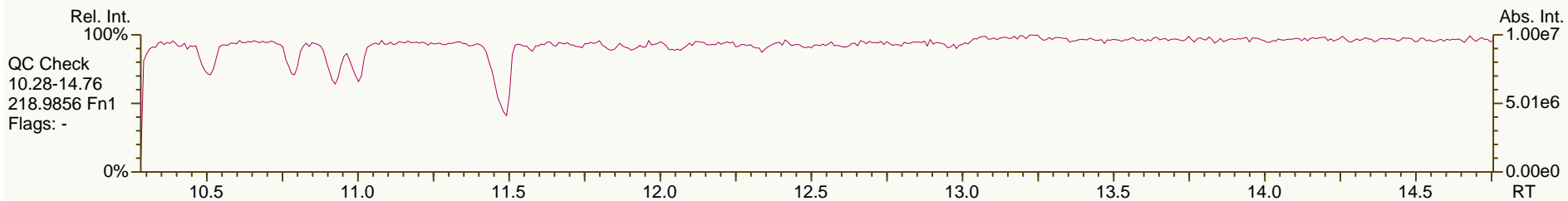
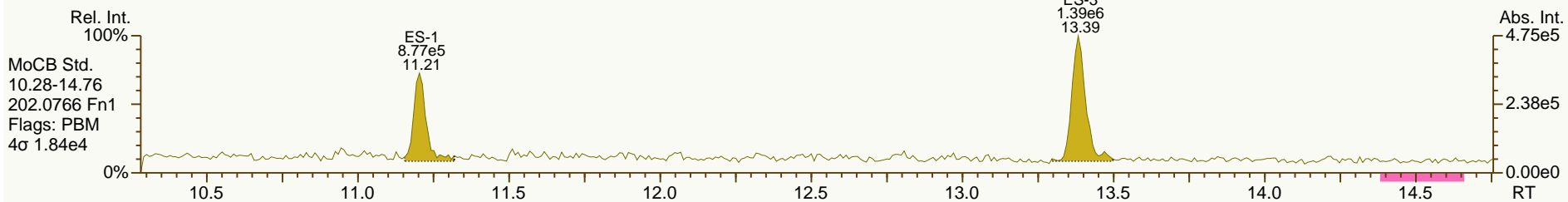
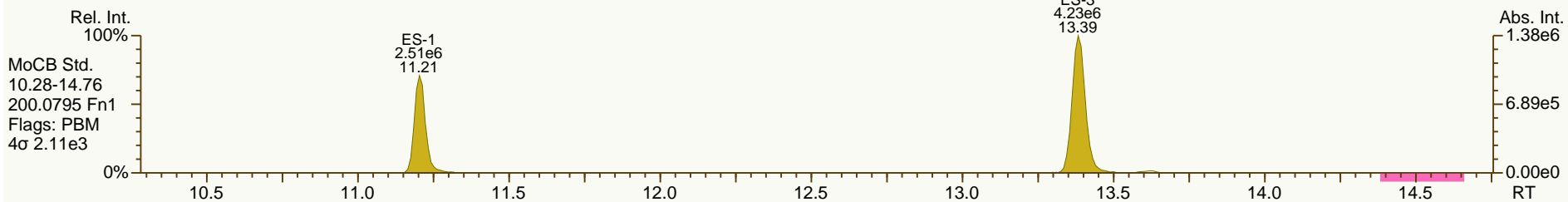
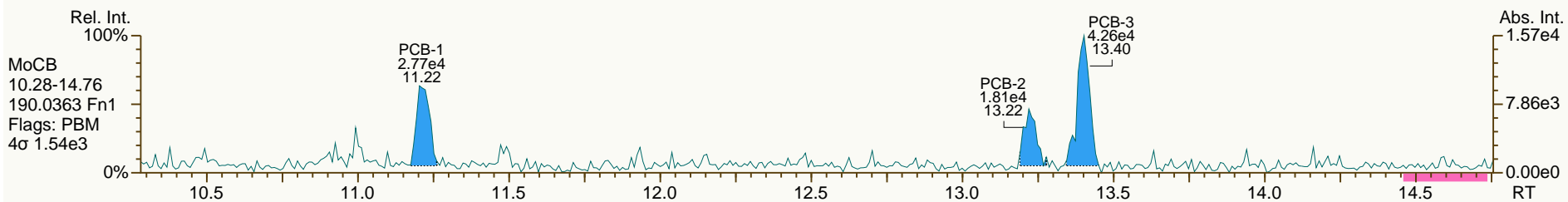
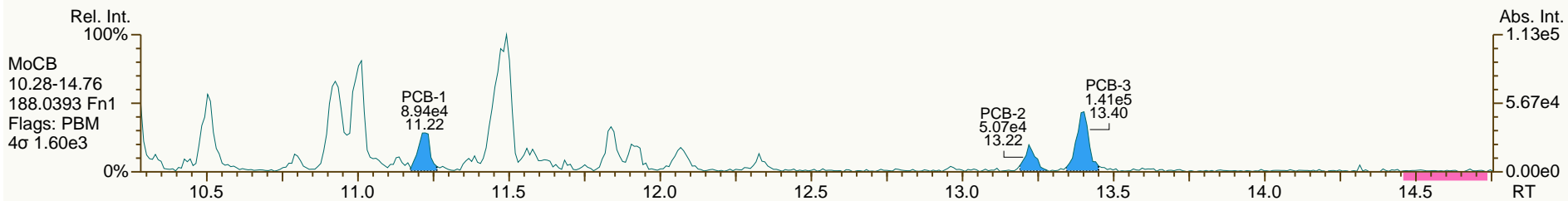
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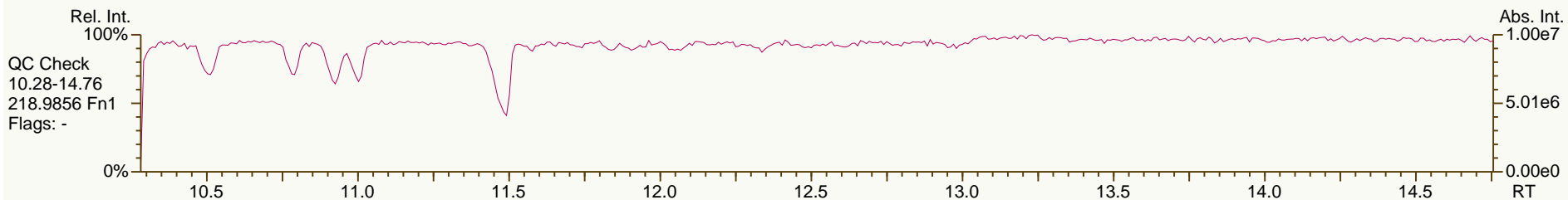
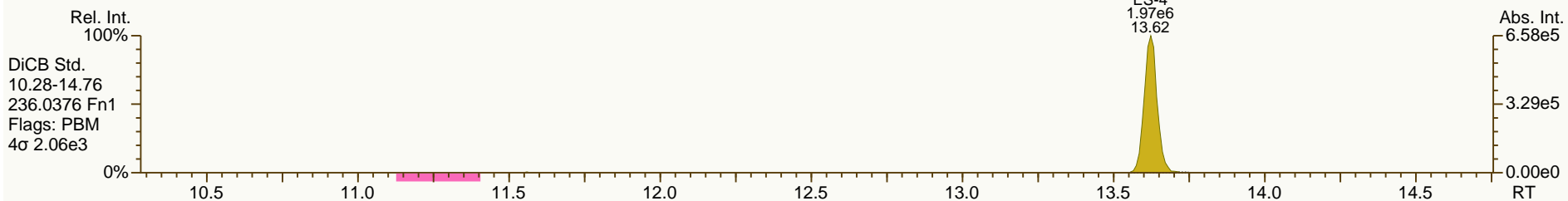
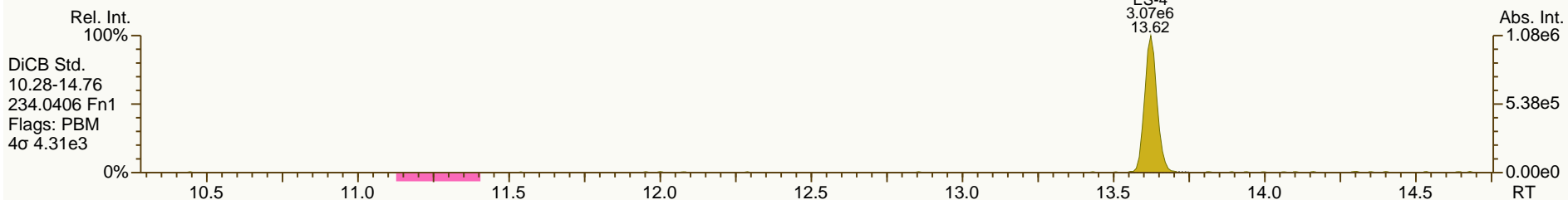
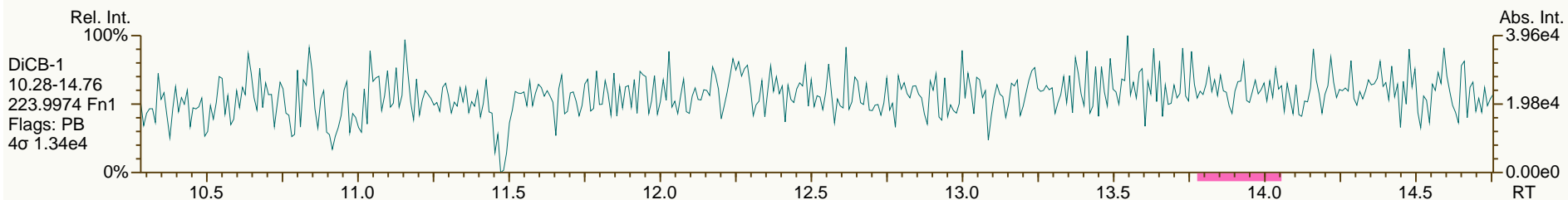
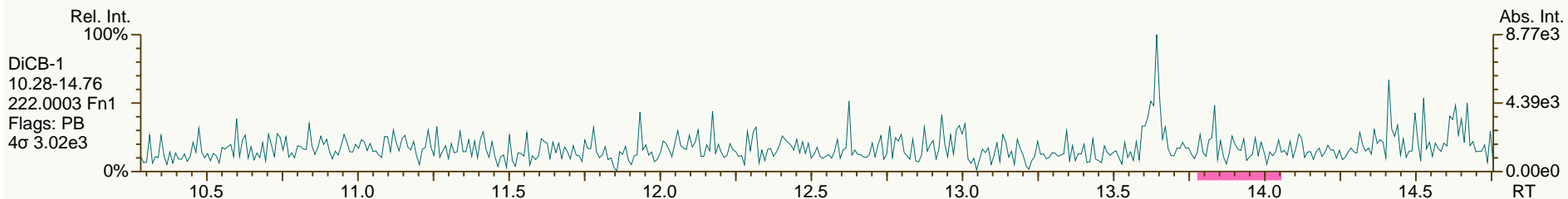
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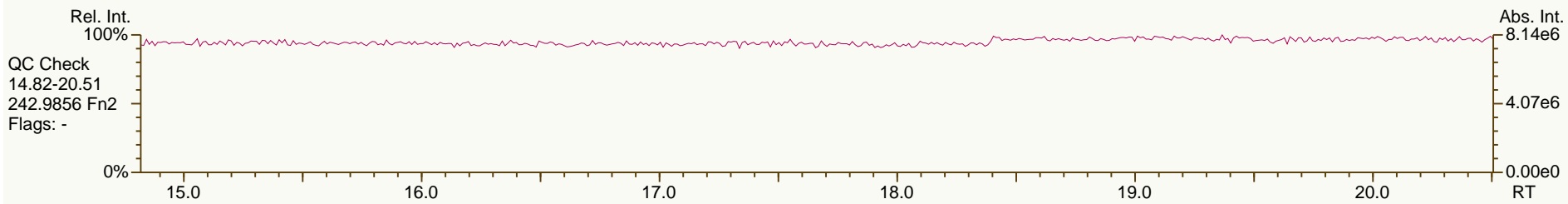
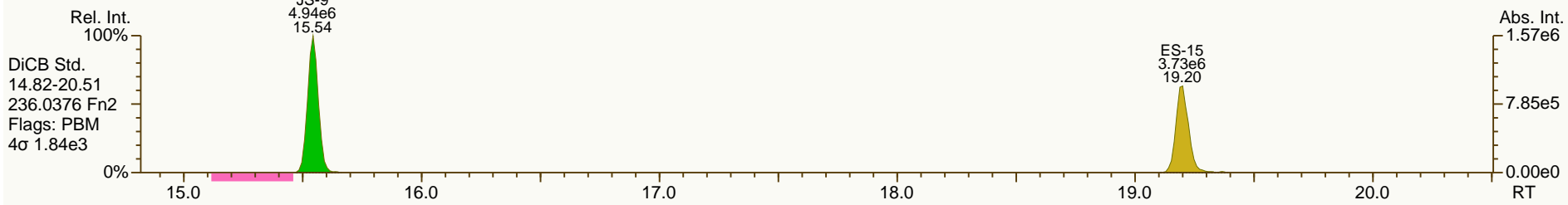
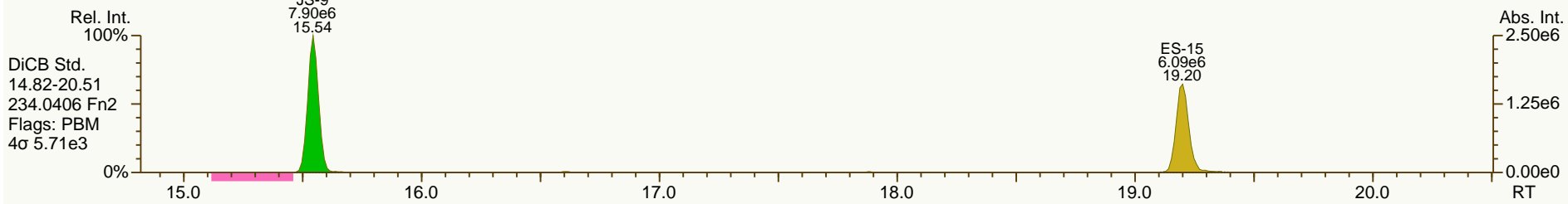
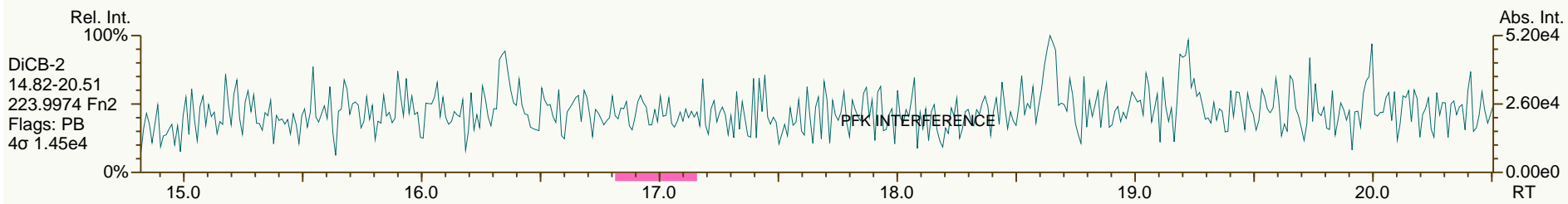
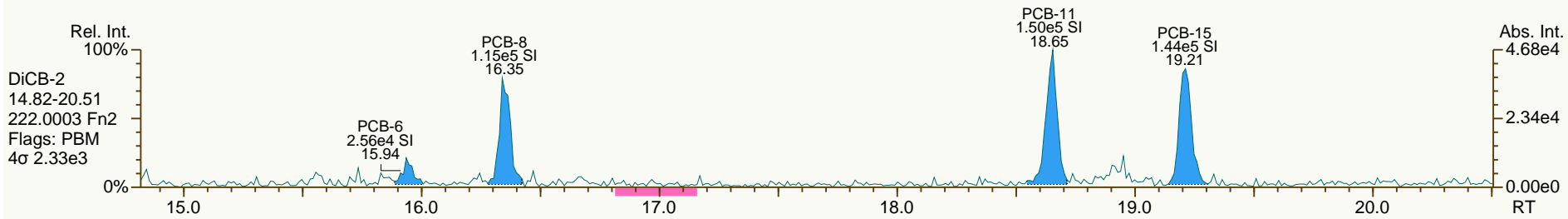
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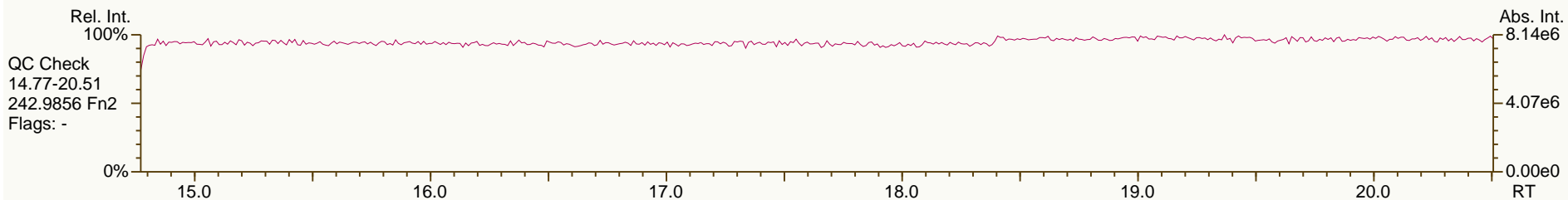
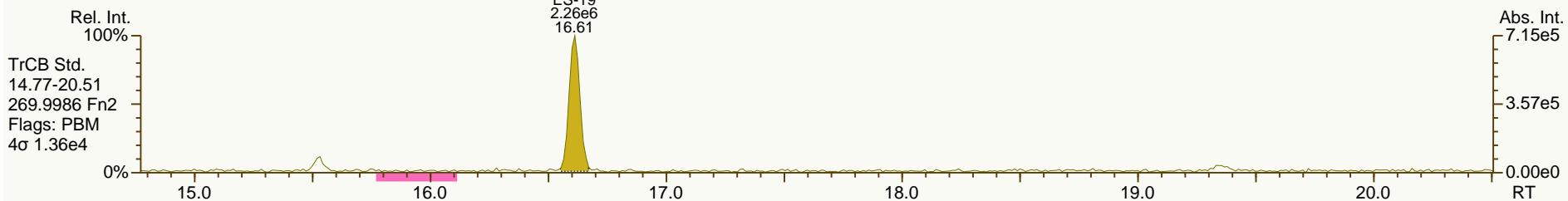
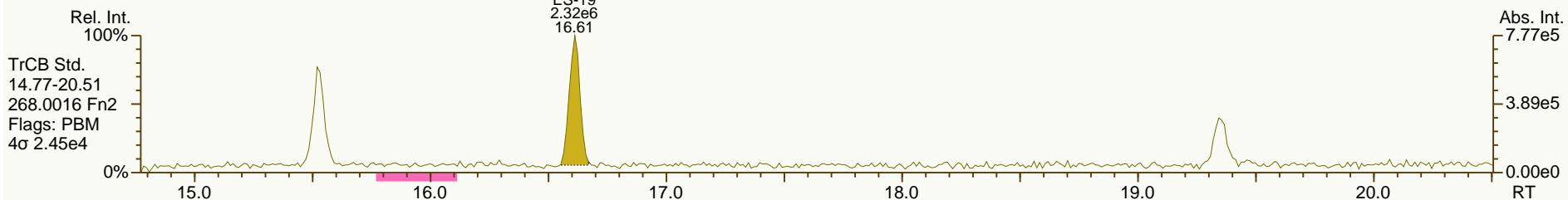
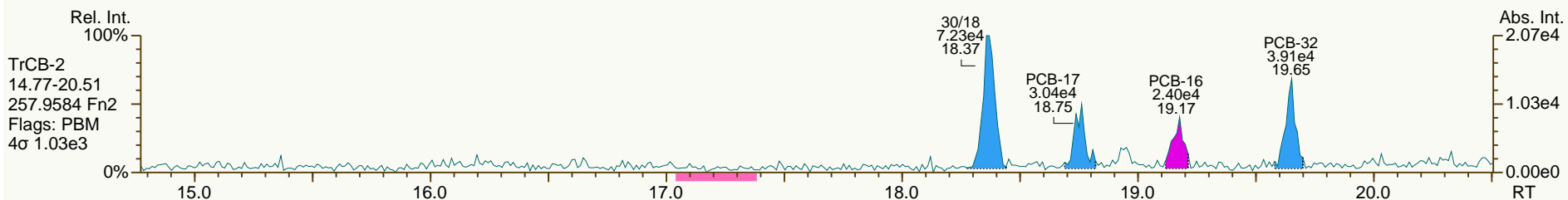
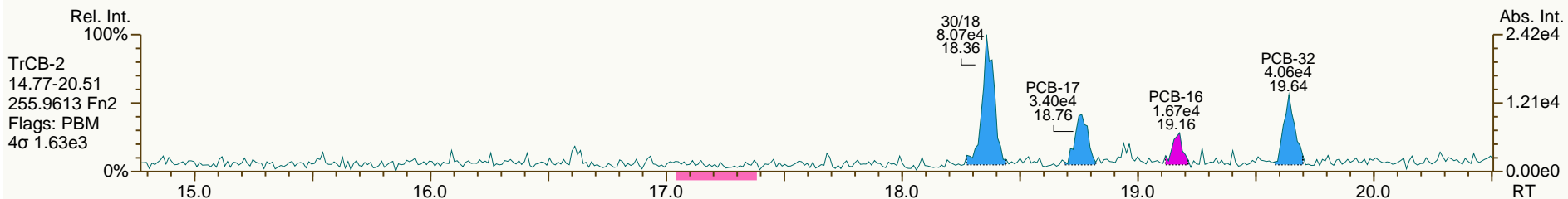
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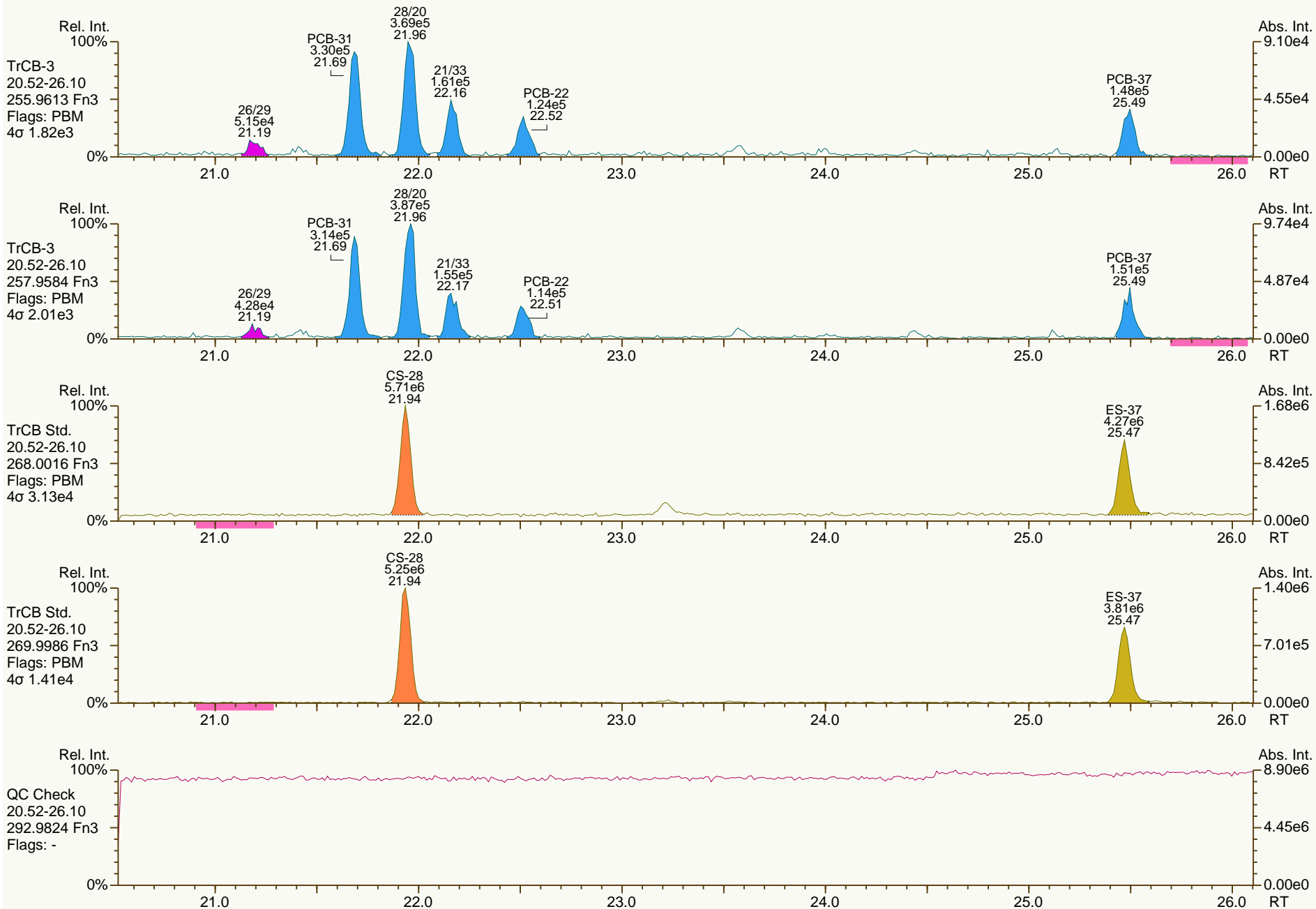
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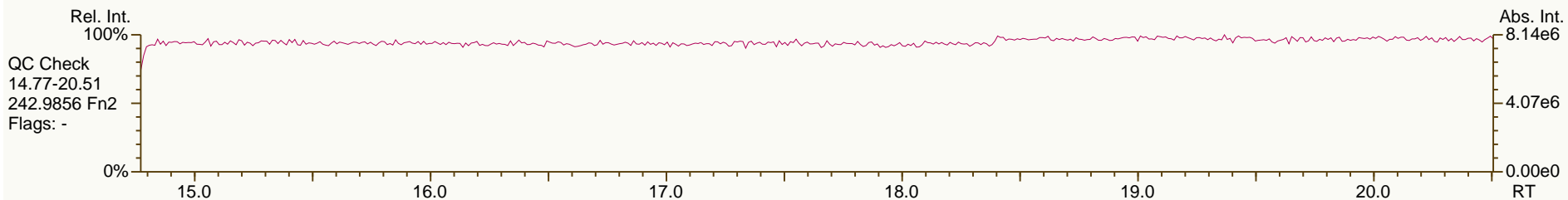
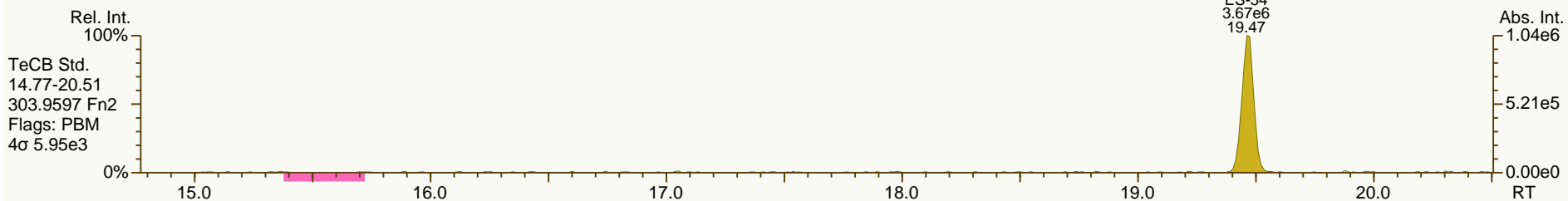
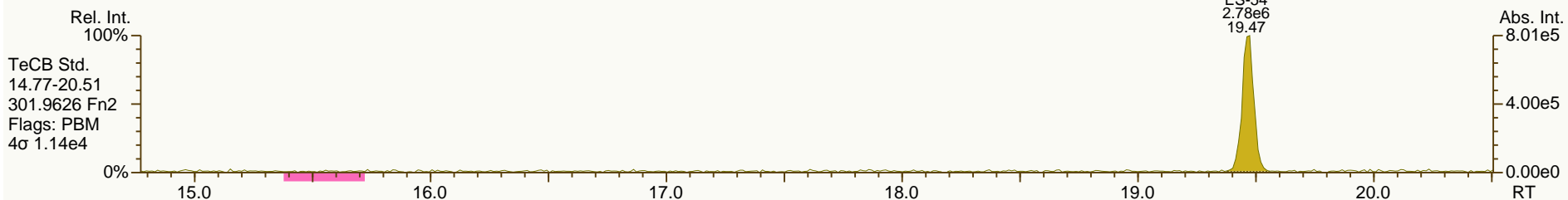
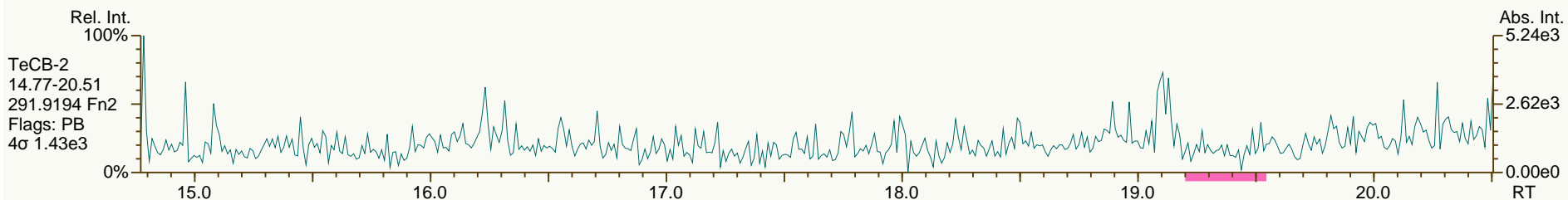
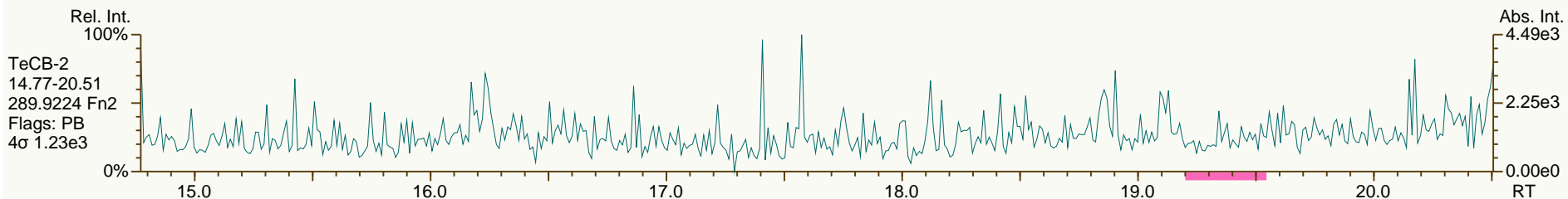
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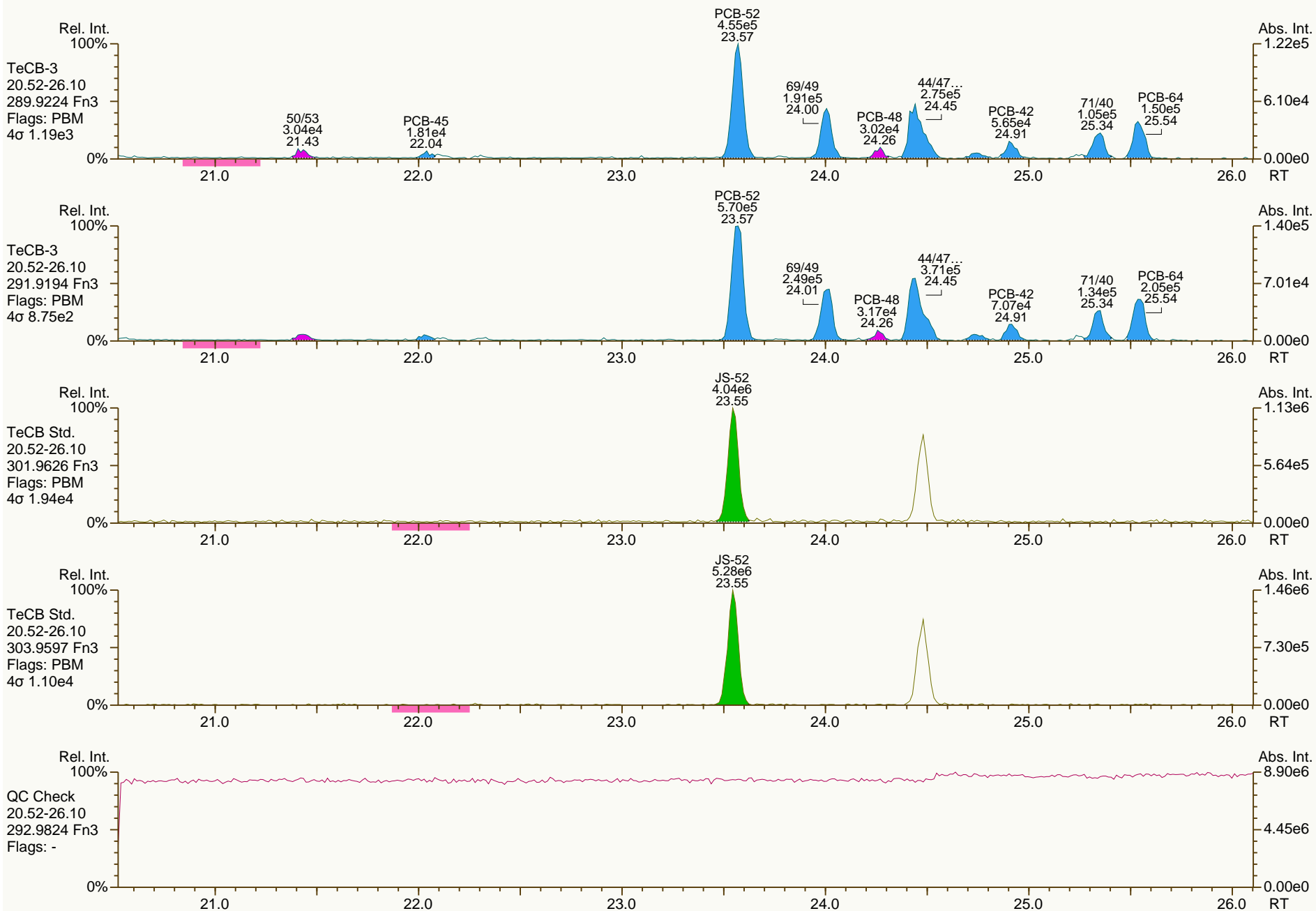
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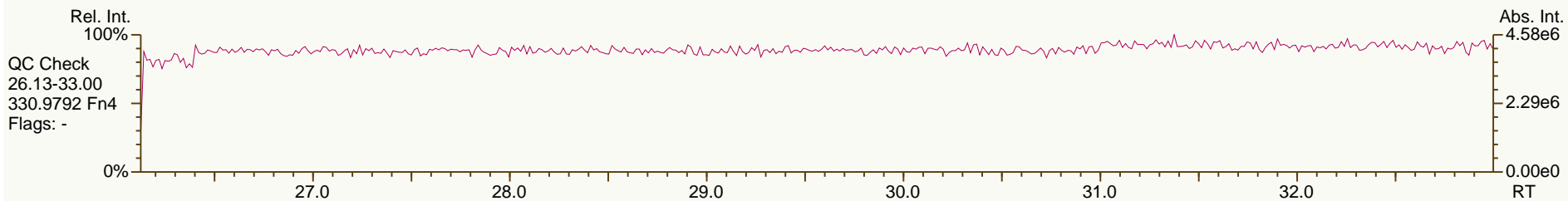
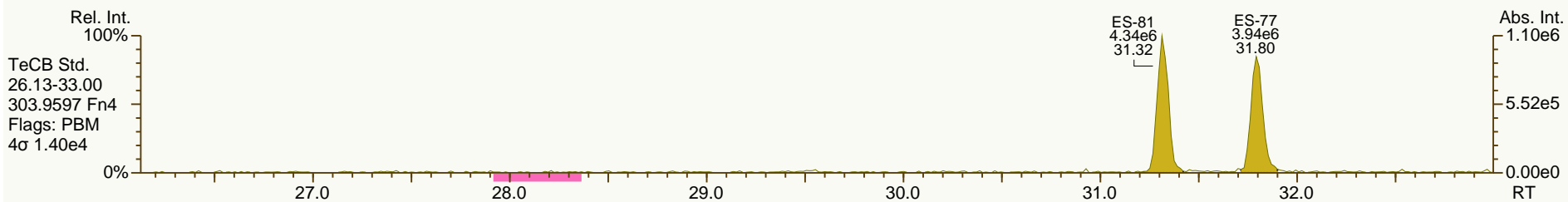
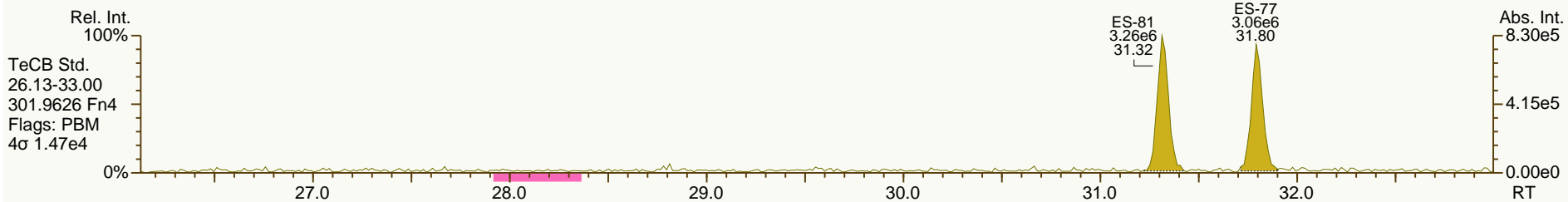
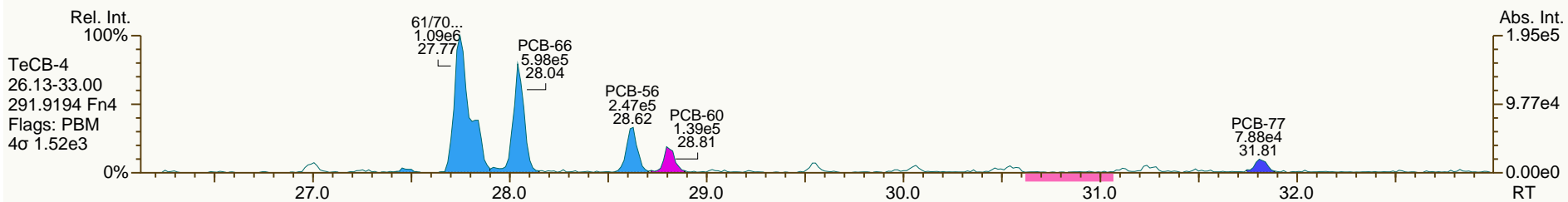
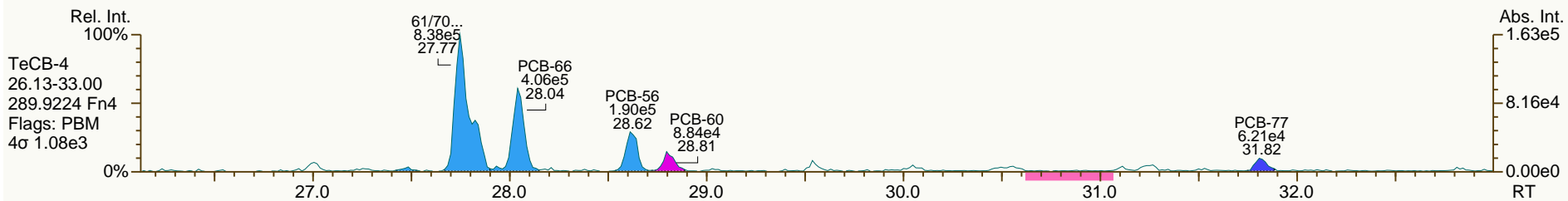
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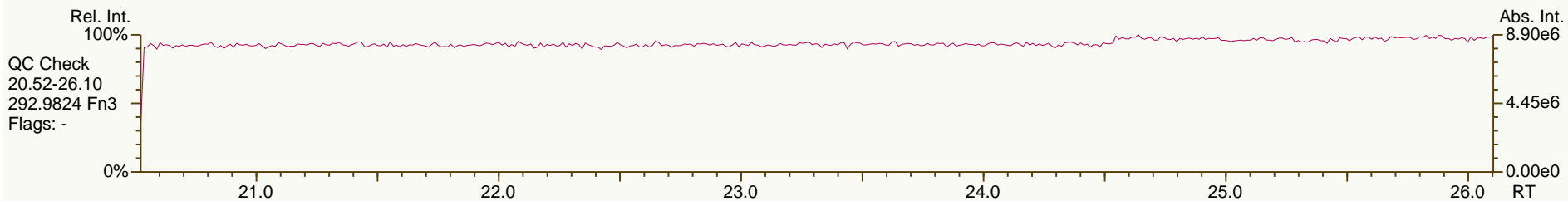
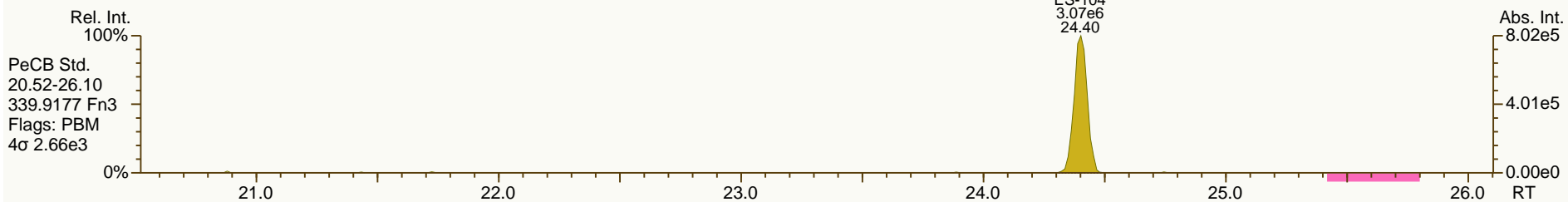
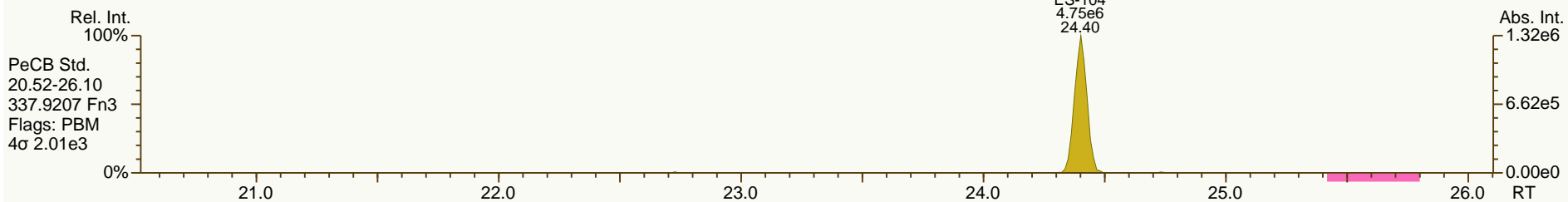
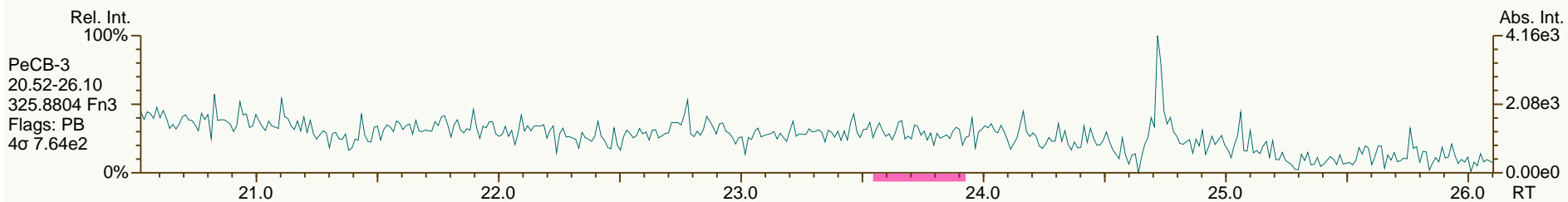
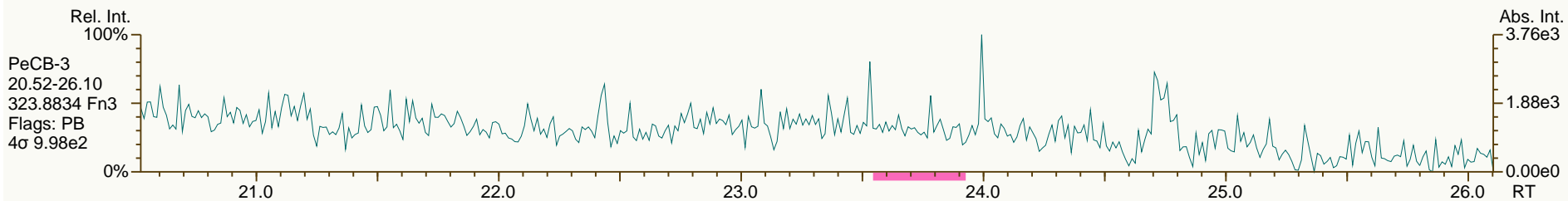
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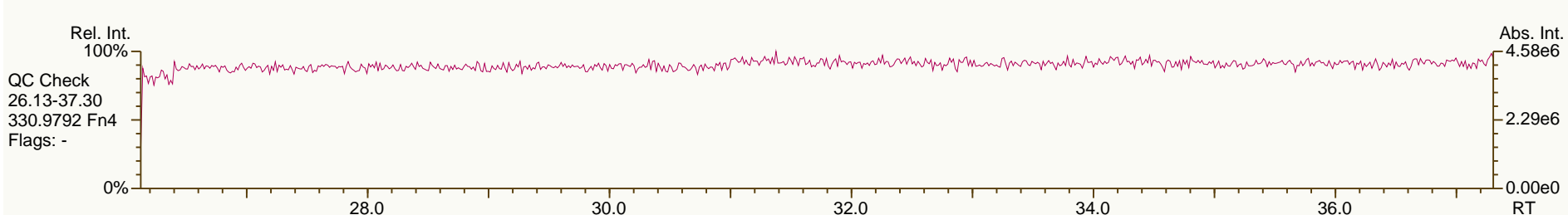
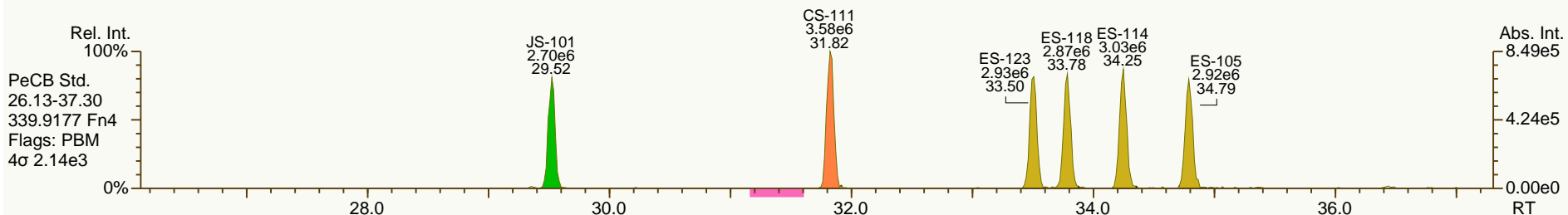
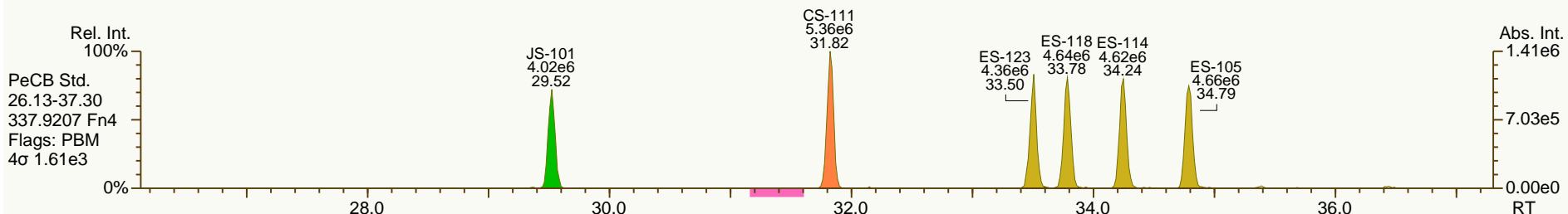
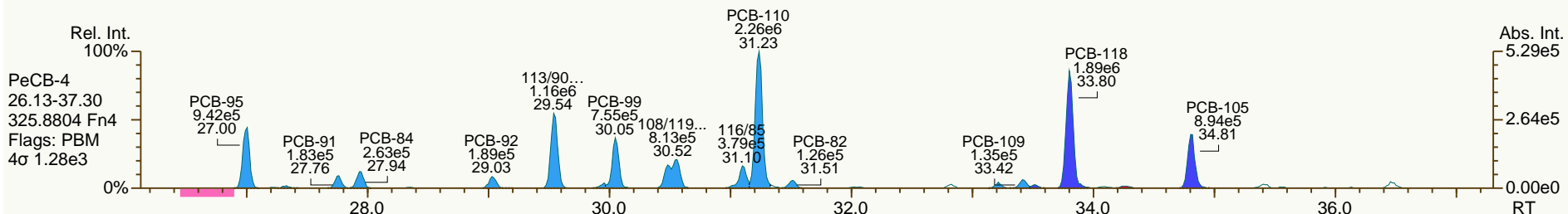
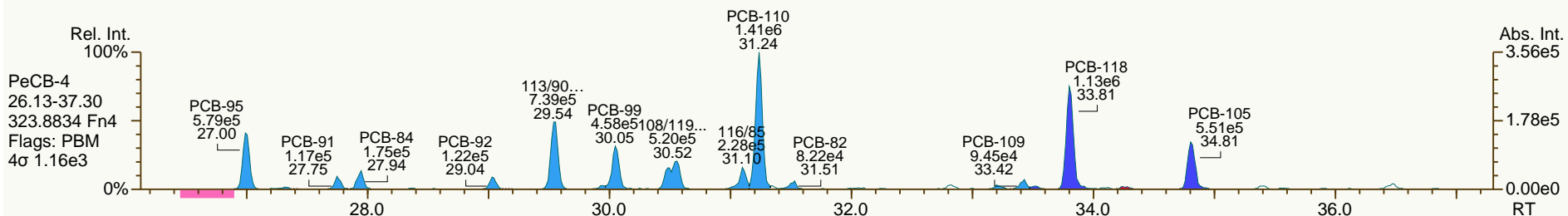
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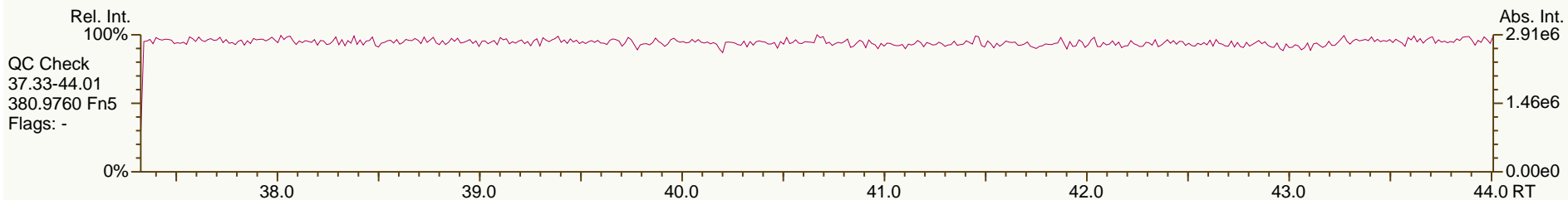
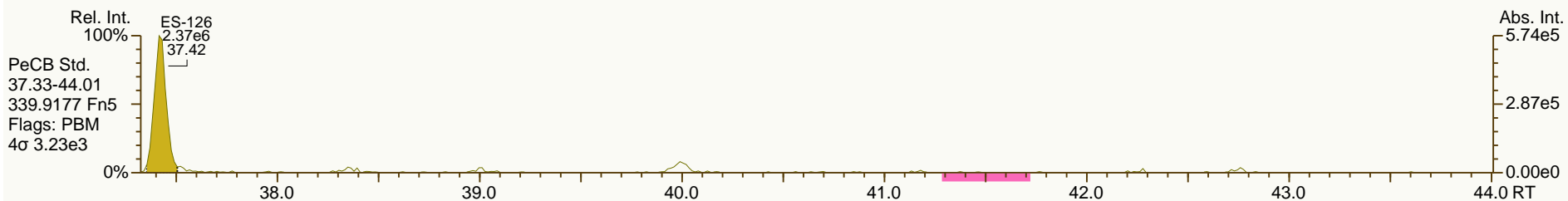
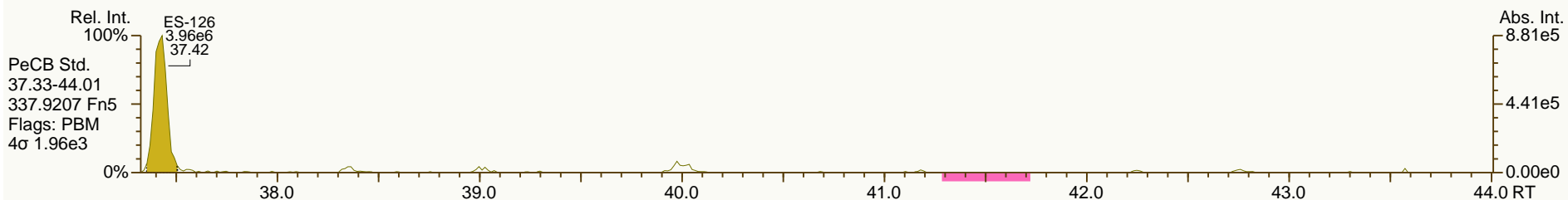
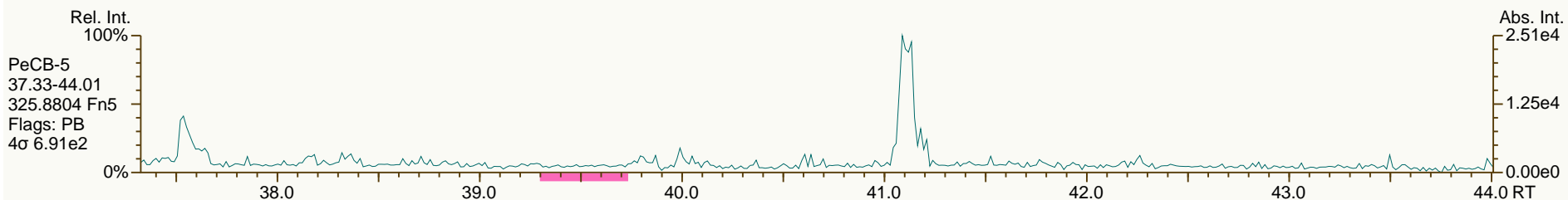
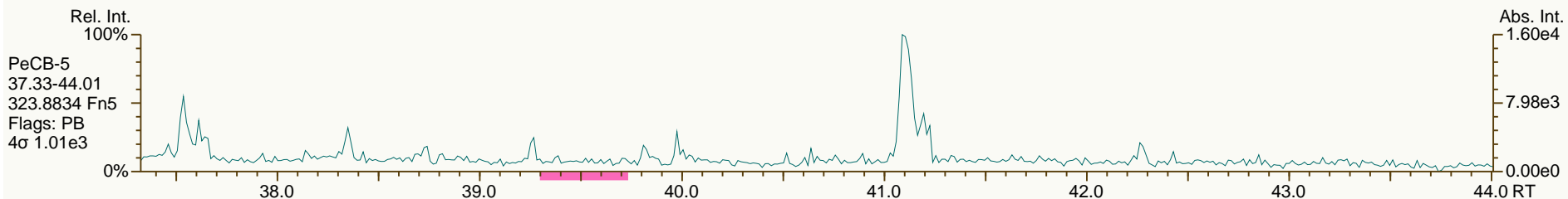
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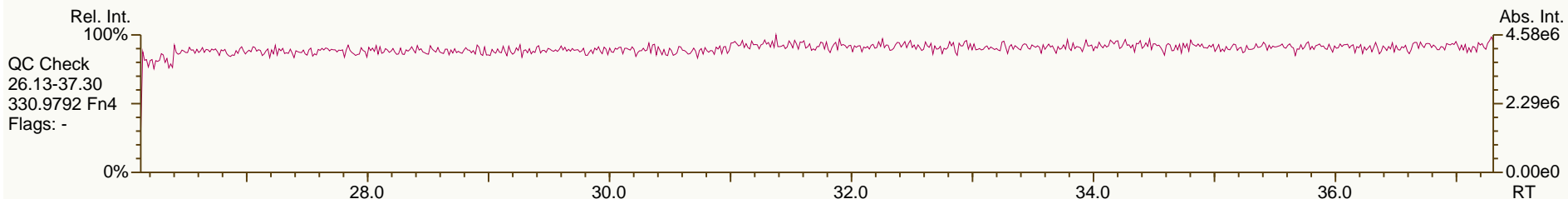
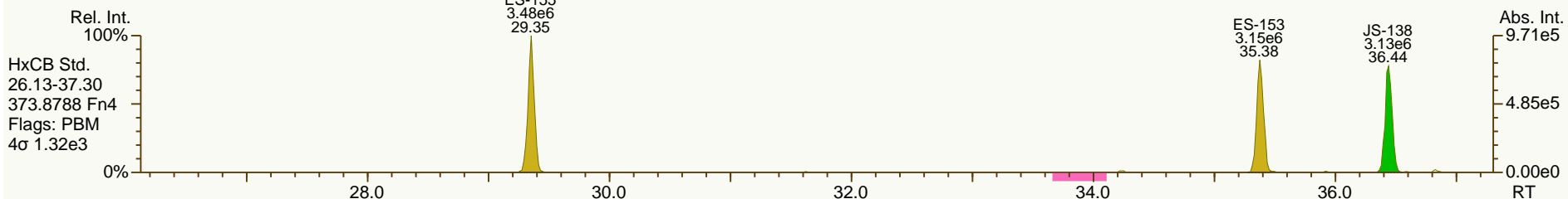
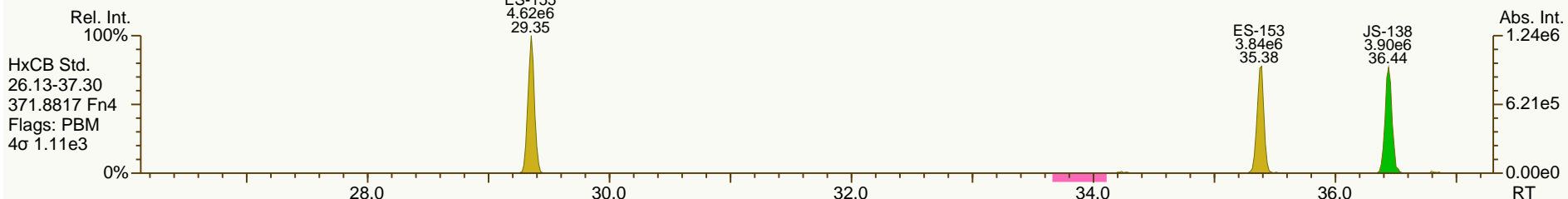
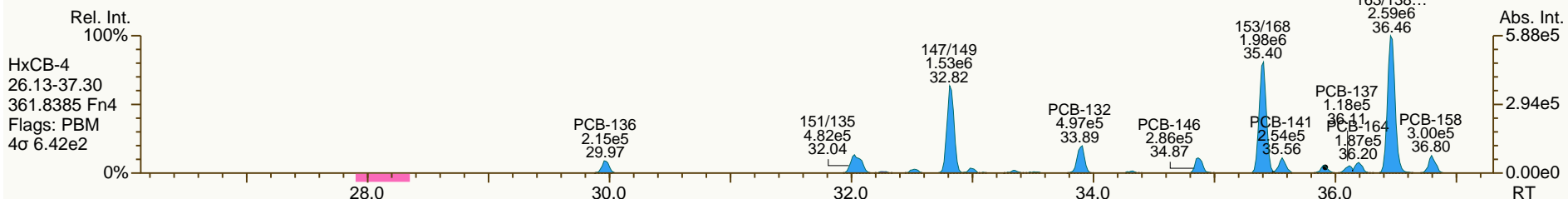
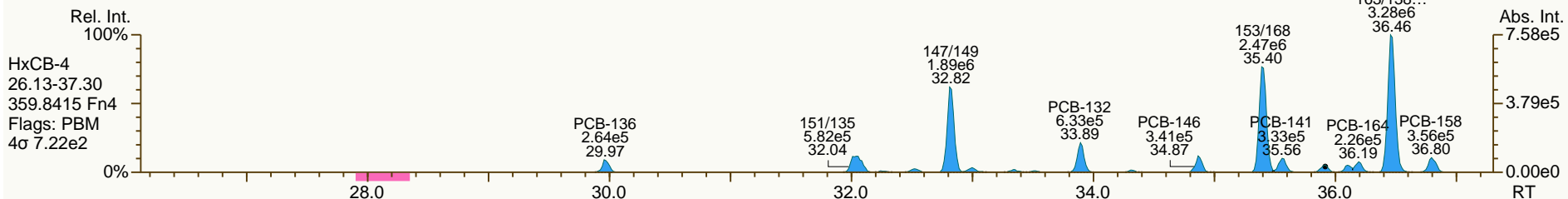
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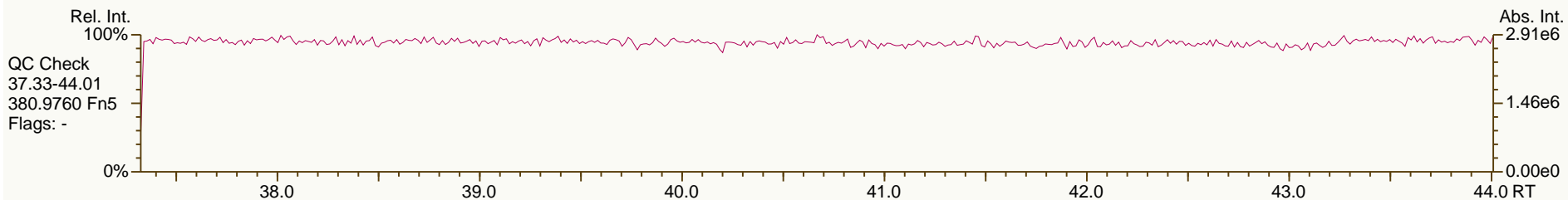
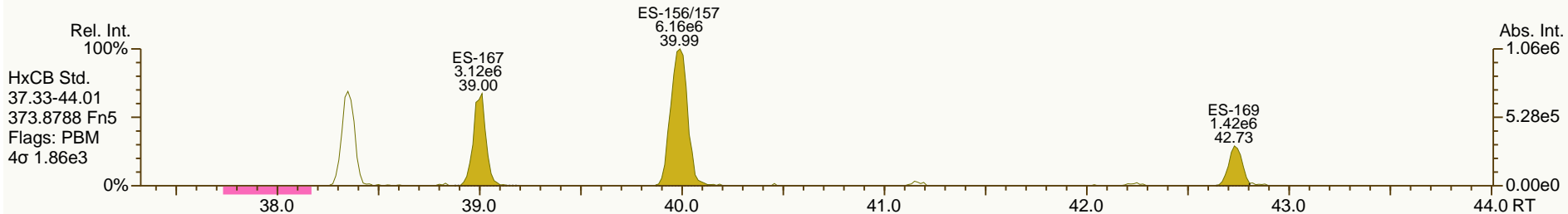
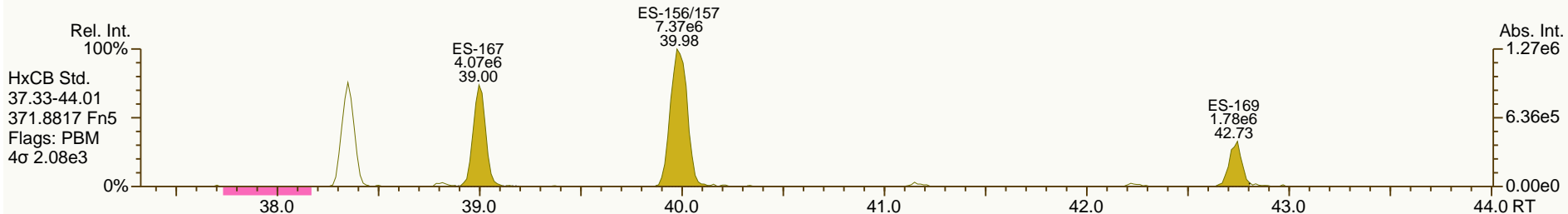
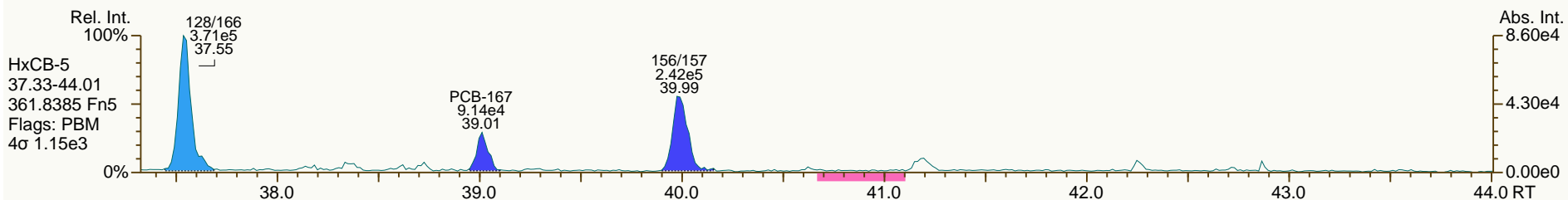
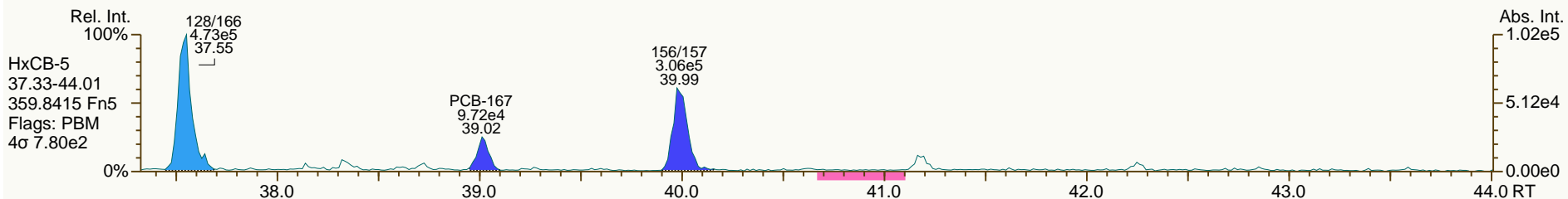
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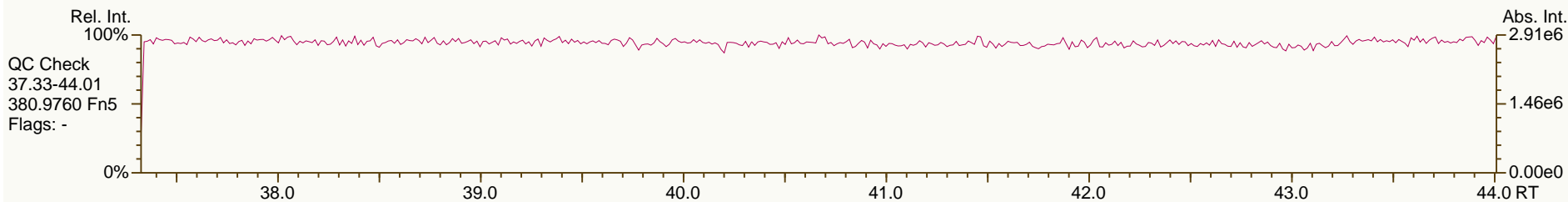
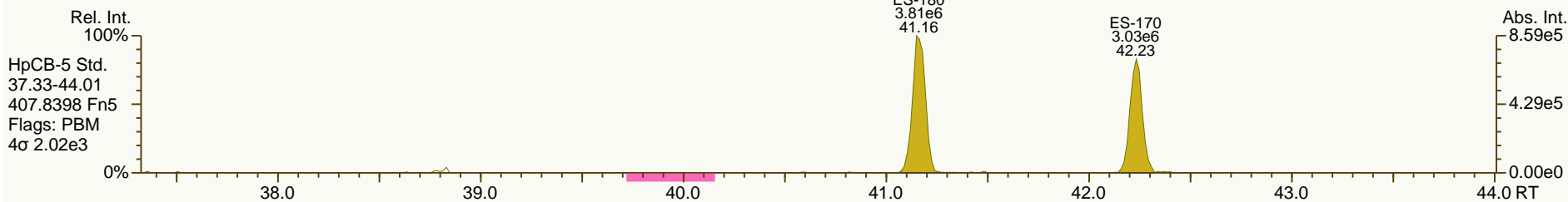
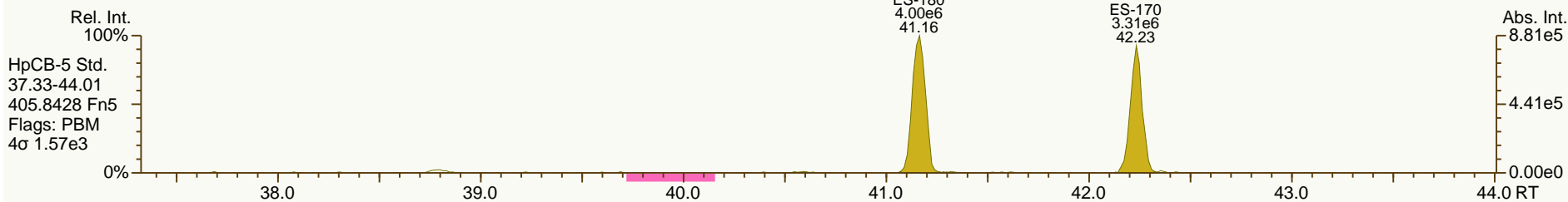
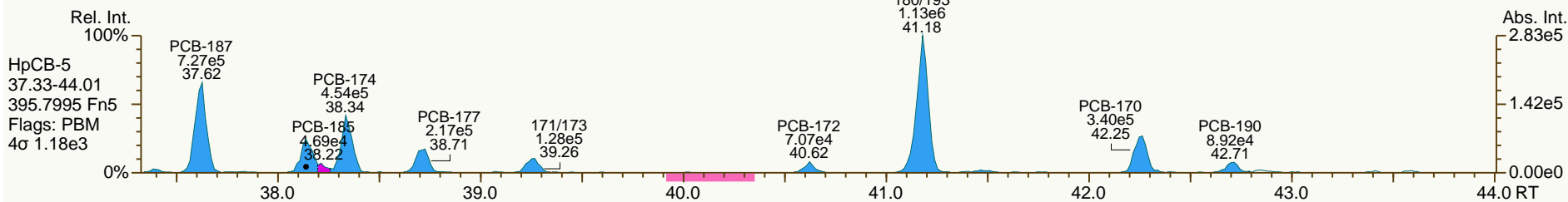
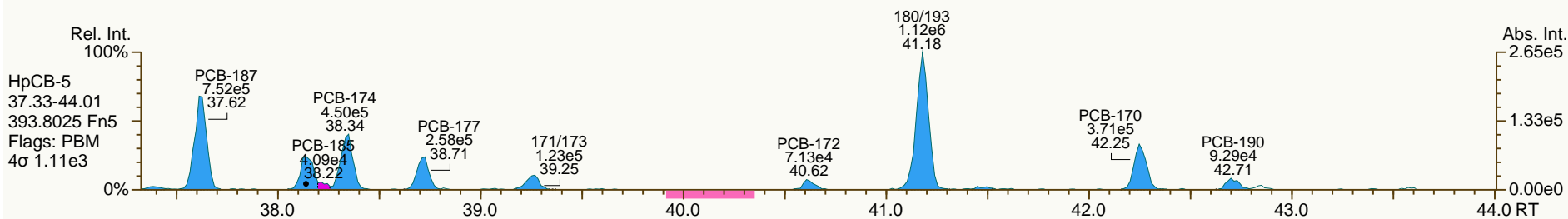
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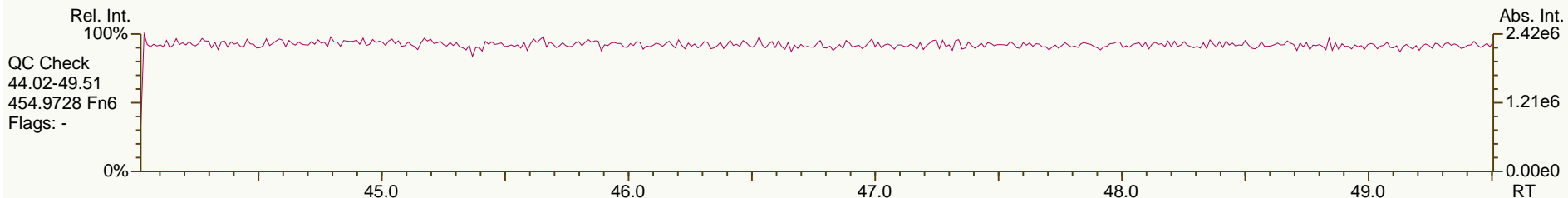
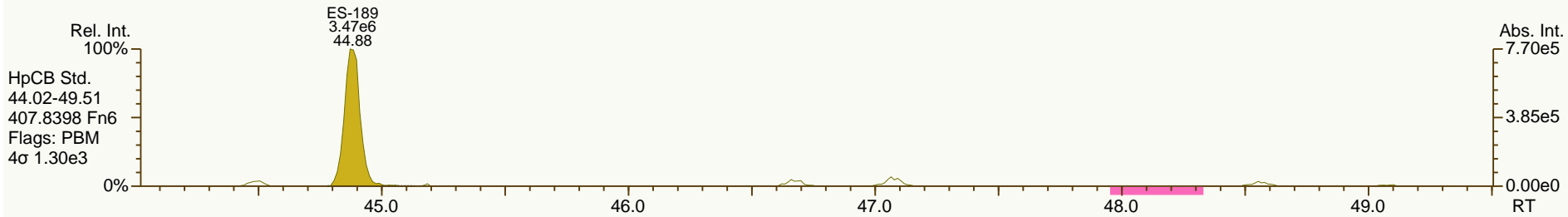
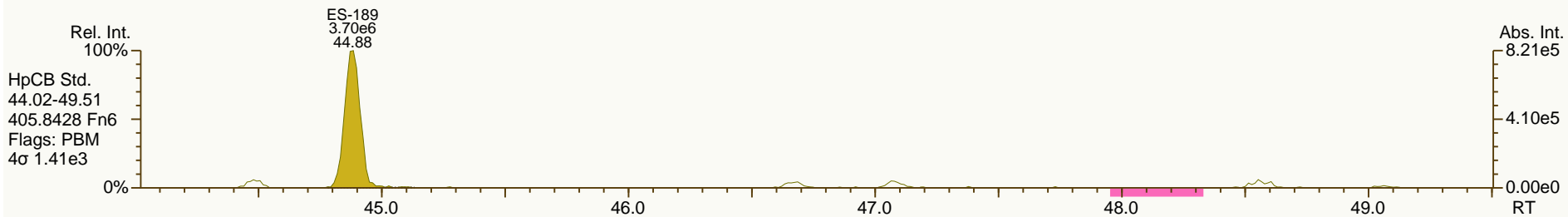
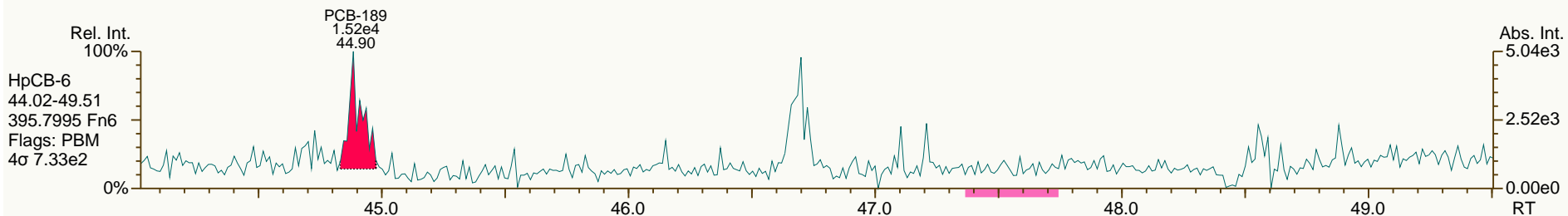
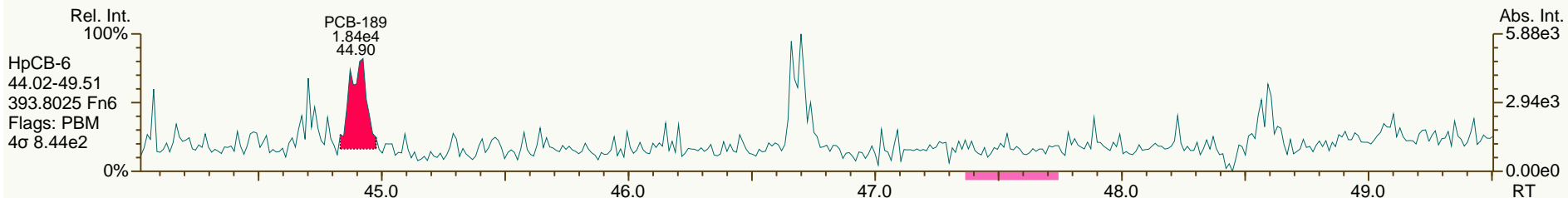
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

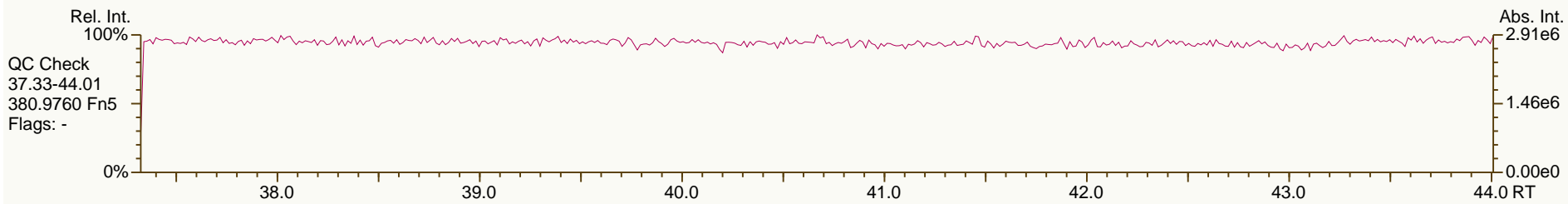
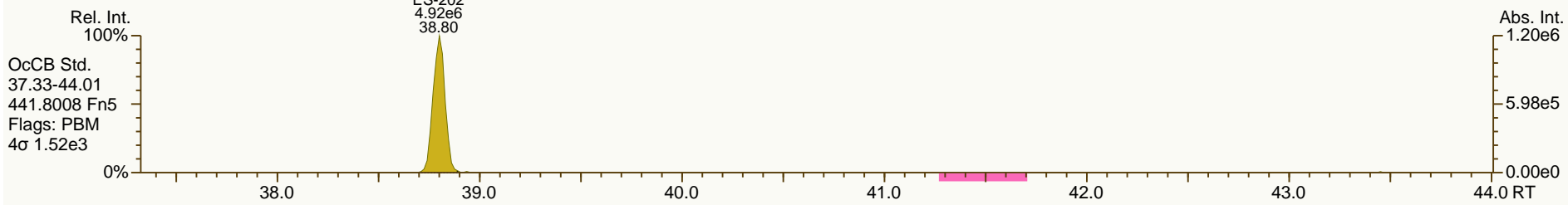
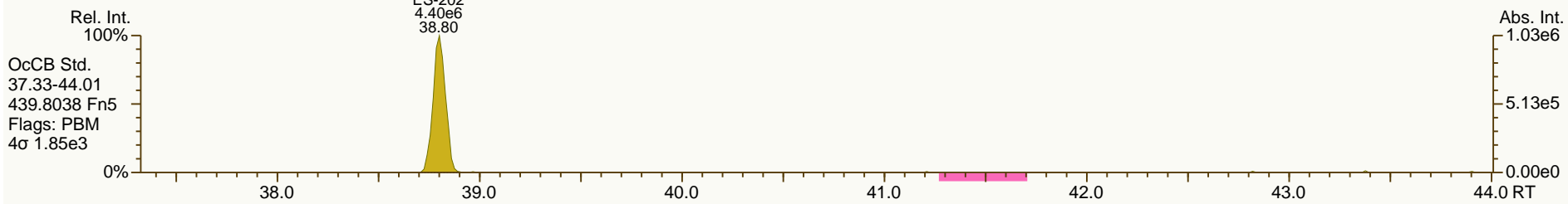
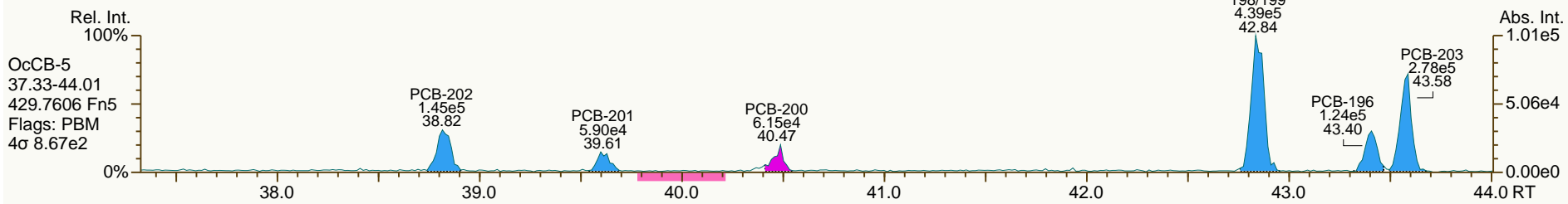
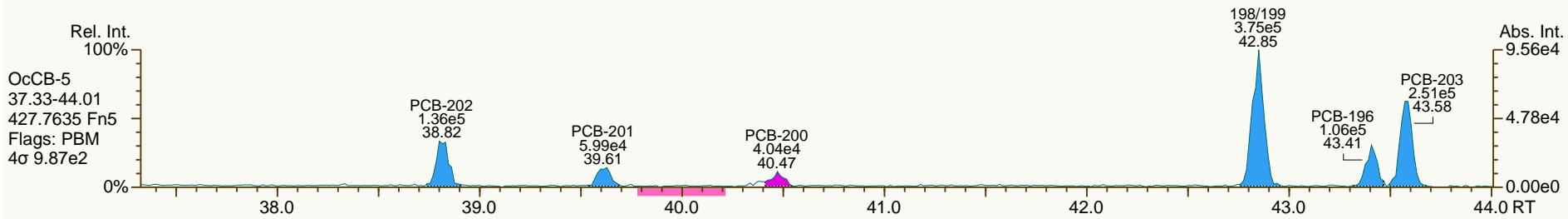
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

Acq: 02-Oct-2013 20:01:47
 User: JLJ Datafile: 131002V18



SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

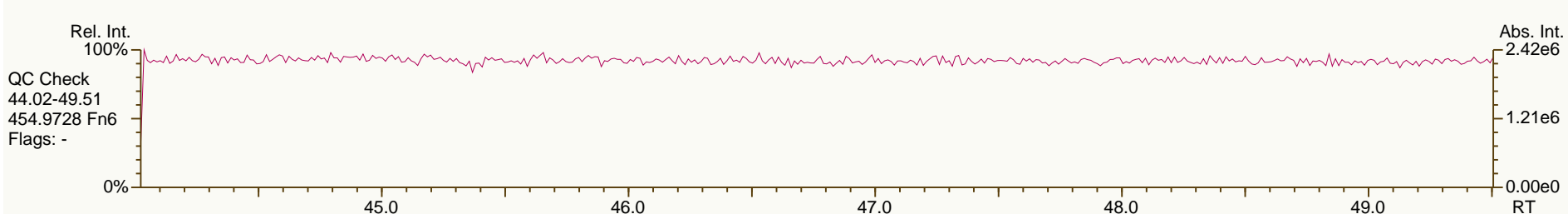
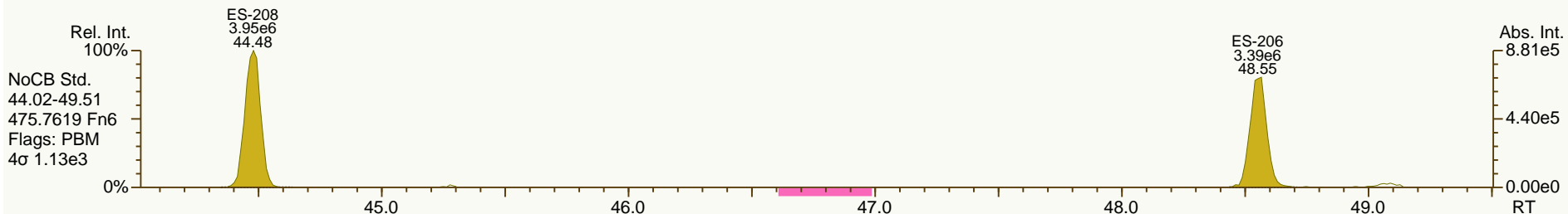
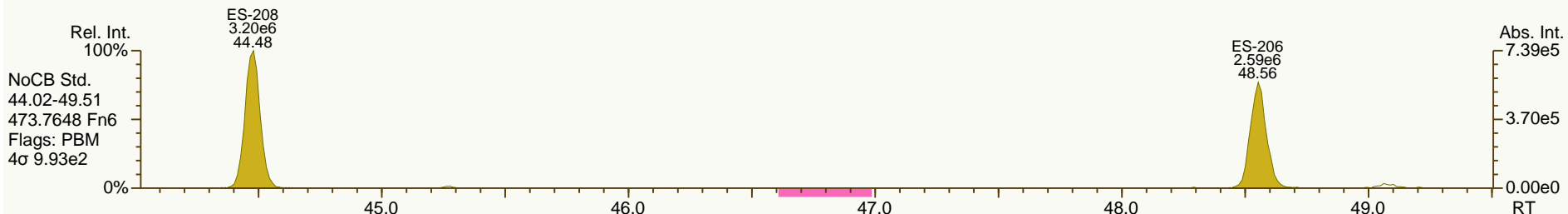
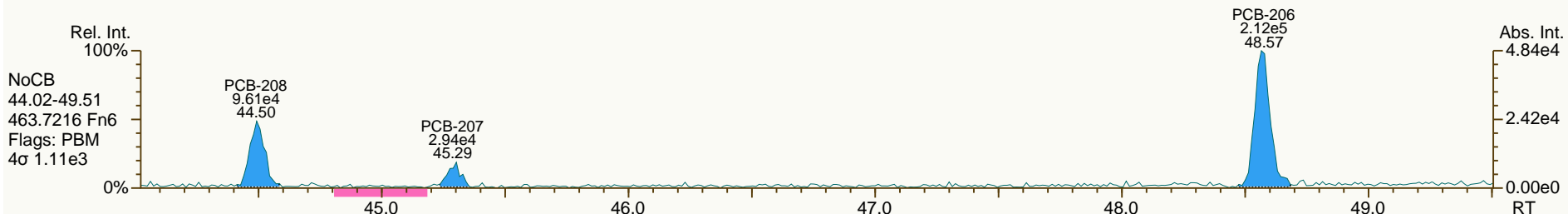
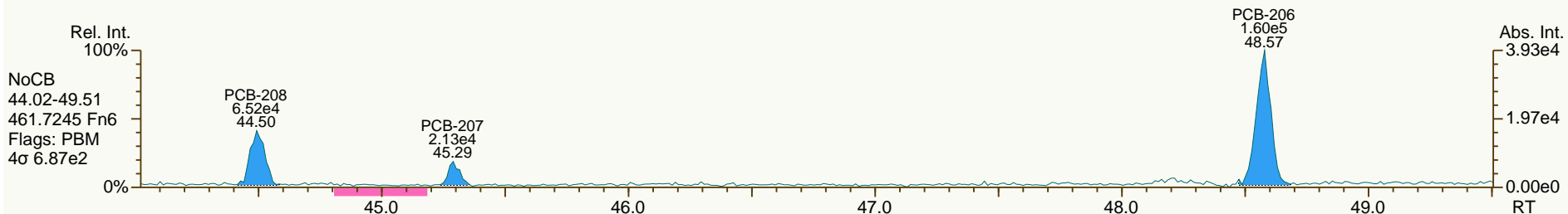
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SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

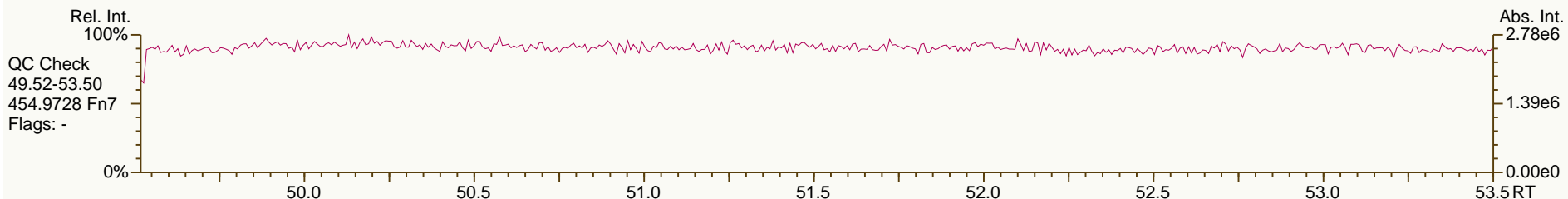
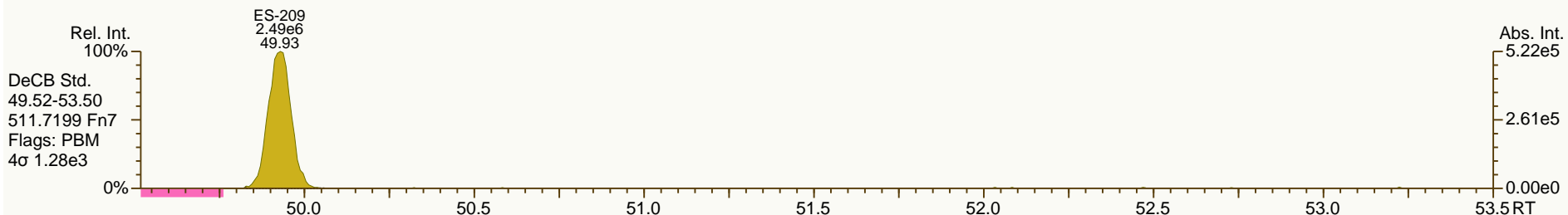
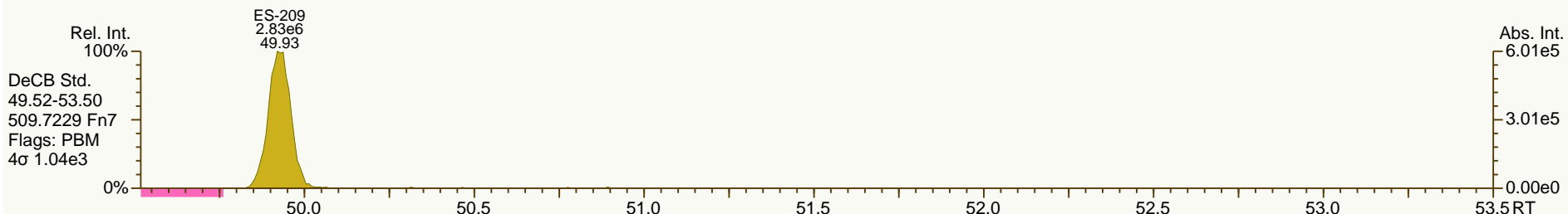
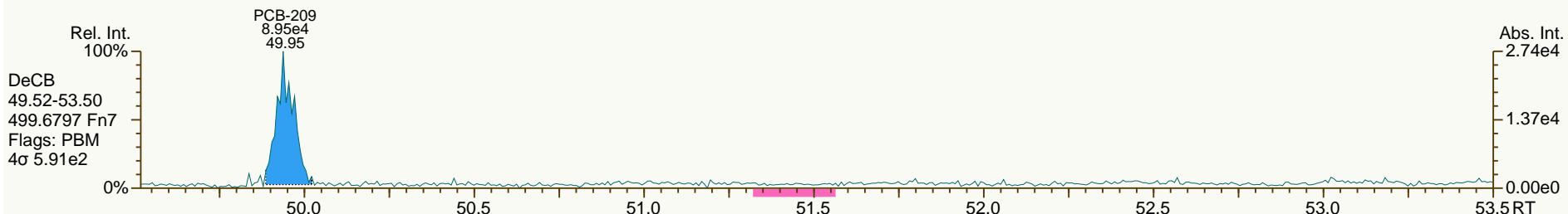
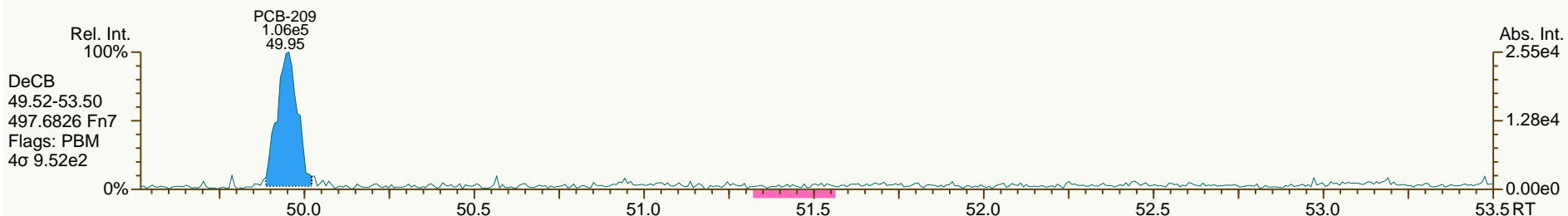
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 User: JLJ Datafile: 131002V18



SGS-AP ID: A5941_11356_PCB_006
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-304-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 50

Acq: 02-Oct-2013 20:01:47
 User: JLJ Datafile: 131002V18



Lab ID: A5941_11356_PCB_007

ACQ: 02-Oct-2013 20:57:02 JLJ

Wt/Vol: 10.03 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: JW-BL-306-130919

UTP: 14-Oct-2013 15:34 JLJ

J-level: 0.997 pg/g Split: 1

Checkcode: 753-894-DNY

Datafile: 131002V19

RPT: 14-Oct-2013 15:51 JJ

Stds (pg): JS: 2000 ES: 2000 CS/SS: 2000

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.80		1.0007	1.0006	-0.2	1.66E+05	0.78	1.37	2.32	3.30E+03	0.503
PCB-81 344'5'-TeCB	NotFnd		1.0005	-		0.00E+00		1.20	ND	3.30E+03	0.506
PCB-105 233'44'-PeCB	34.80		1.0007	1.0006	-0.2	1.46E+06	0.61	0.97	27.8	1.65E+03	0.319
PCB-114 2344'5'-PeCB	34.25	J	1.0007	1.0004	-0.6	5.71E+04	0.61	1.06	0.983	1.65E+03	0.29
PCB-118 23'44'5'-PeCB	33.80		1.0007	1.0007	0	2.94E+06	0.61	1.00	54.9	1.65E+03	0.311
PCB-123 23'44'5'-PeCB	33.51		1.0006	1.0007	+0.2	7.88E+04	0.59	1.08	1.39	1.65E+03	0.294
PCB-126 33'44'5'-PeCB	NotFnd		1.0006	-		0.00E+00		1.08	ND	2.82E+03	0.702
PCB-156/157 ...-HxCB	39.98	C	1.0005	1.0002	-0.7	7.53E+05	1.18	1.07	14.7	2.57E+03	0.747
PCB-167 23'44'55'-HxCB	39.01		1.0005	1.0005	0	3.19E+05	1.27	1.11	5.45	2.57E+03	0.478
PCB-169 33'44'55'-HxCB	NotFnd		1.0005	-		0.00E+00		1.15	ND	2.57E+03	1.58
PCB-189 233'44'55'-HpCB	44.89		1.0004	1.0004	0	1.12E+05	1.18	1.10	2.04	2.08E+03	0.424
PCB-209 DeCB	49.94		1.0004	1.0004	0	4.75E+05	1.13	1.04	12	1.50E+03	0.416
ES PCB-1	11.19		0.7198	0.7204	+0.4	8.96E+06	3.20	0.95	55 %	25%	150%
ES PCB-3	13.37		0.8609	0.8610	+0.1	1.08E+07	3.30	0.85	73.9 %	25%	150%
ES PCB-4	13.61		0.8761	0.8763	+0.2	1.02E+07	1.55	0.67	89 %	25%	150%
ES PCB-15	19.19		1.2354	1.2354	0	1.57E+07	1.62	0.94	97.3 %	25%	150%
ES PCB-19	16.60		1.0686	1.0687	+0.1	8.69E+06	1.02	0.54	92.9 %	25%	150%
ES PCB-37	25.46		1.0819	1.0818	-0.2	1.22E+07	1.14	1.08	89.1 %	25%	150%
ES PCB-54	19.45		0.8267	0.8265	-0.2	1.18E+07	0.78	1.27	72.7 %	25%	150%
ES PCB-77	31.79		1.3503	1.3506	+0.6	1.04E+07	0.81	0.84	97.1 %	25%	150%
ES PCB-81	31.31		1.3301	1.3302	+0.2	1.17E+07	0.81	0.98	93.3 %	25%	150%
ES PCB-104	24.39		0.8266	0.8264	-0.3	1.29E+07	1.54	1.69	81 %	25%	150%
ES PCB-105	34.78		1.1783	1.1785	+0.4	1.08E+07	1.58	1.08	106 %	25%	150%
ES PCB-114	34.23		1.1599	1.1600	+0.2	1.09E+07	1.59	1.11	104 %	25%	150%
ES PCB-118	33.77		1.1443	1.1444	+0.2	1.06E+07	1.63	1.13	100 %	25%	150%
ES PCB-123	33.49		1.1348	1.1348	0	1.05E+07	1.56	1.10	101 %	25%	150%
ES PCB-126	37.41		1.2676	1.2677	+0.2	7.83E+06	1.51	1.17	70.7 %	25%	150%
ES PCB-153	35.37		0.9709	0.9709	0	1.03E+07	1.30	1.19	87.1 %	25%	150%
ES PCB-155	29.34		0.8056	0.8054	-0.4	1.28E+07	1.20	1.80	73.6 %	25%	150%
ES PCB-156/157	39.97		1.0973	1.0973	0	1.91E+07	1.23	1.13	87.8 %	25%	150%
ES PCB-167	38.99		1.0702	1.0703	+0.2	1.05E+07	1.27	1.20	90.5 %	25%	150%
ES PCB-169	42.72		1.1728	1.1728	0	2.91E+06	1.27	1.00	30.3 %	25%	150%
ES PCB-170	42.22		0.9050	0.9050	0	9.21E+06	1.00	1.24	90.7 %	25%	150%
ES PCB-180	41.15		0.8820	0.8820	0	1.07E+07	1.02	1.51	87.2 %	25%	150%
ES PCB-188	34.23		0.7338	0.7336	-0.4	1.59E+07	1.00	2.06	80 %	25%	150%
ES PCB-189	44.87		0.9618	0.9617	-0.3	9.92E+06	1.04	1.78	79.7 %	25%	150%
ES PCB-202	38.79		0.8315	0.8314	-0.2	1.35E+07	0.88	1.66	84.2 %	25%	150%
ES PCB-205	47.06		1.0086	1.0087	+0.3	7.32E+06	0.91	1.22	86.3 %	25%	150%
ES PCB-206	48.54		1.0404	1.0405	+0.3	8.32E+06	0.76	1.23	96.5 %	25%	150%
ES PCB-208	44.46		0.9530	0.9530	0	1.01E+07	0.80	1.60	90.6 %	25%	150%
ES PCB-209	49.92		1.0698	1.0699	+0.3	7.60E+06	1.17	1.31	83.1 %	25%	150%

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.92		0.9317	0.9315	-0.3	1.45E+07	1.11	1.25	94.9 %	30%	135%
SS PCB-111	31.81		1.0780	1.0779	-0.2	1.24E+07	1.48	1.15	102 %	30%	135%
SS PCB-178	36.81		1.0104	1.0105	+0.2	9.59E+06	1.03	0.54	112 %	30%	135%
CS PCB-28	21.92		0.9317	0.9315	-0.3	1.45E+07	1.11	1.34	84.9 %	30%	135%
CS PCB-111	31.81		1.0780	1.0779	-0.2	1.24E+07	1.48	1.27	103 %	30%	135%
CS PCB-178	36.81		1.0104	1.0105	+0.2	9.59E+06	1.03	1.11	89.9 %	30%	135%
JS PCB-9	15.53					1.72E+07	1.60				
JS PCB-52	23.54					1.27E+07	0.81				
JS PCB-101	29.51					9.44E+06	1.52				
JS PCB-138	36.43					9.65E+06	1.26				
JS PCB-194	46.66					6.98E+06	0.91				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			5.48		6.95		0.463	
			Di-CBs			13.2		13.2		0.554	
			Tri-CBs			33.9		34.7		0.491	
			Tetra-CBs			110		111		0.438	
			Penta-CBs			406		406		0.347	
			Hexa-CBs			1,120		1,120		0.748	
			Hepta-CBs			1,140		1,140		0.386	
			Octa-CBs			445		445		0.39	
			Nona-CBs			58.4		58.4		0.503	
PCB-1 2-MoCB	11.20		1.0011	1.0009	-0.1	1.27E+05	3.43	1.19	2.36	3.95E+03	0.474
PCB-2 3-MoCB	13.21	EMPC	0.9878	0.9879	+0.1	9.51E+04	3.70	1.19	1.47	3.95E+03	0.473
PCB-3 4-MoCB	13.38		1.0010	1.0009	-0.1	2.10E+05	3.31	1.24	3.12	3.95E+03	0.453
PCB-4 22'-DiCB	13.62	J	1.0011	1.0010	-0.1	3.18E+04	SI	0.88	0.704	3.59E+03	0.6
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.59E+03	0.385
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	4.37E+03	0.602
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	4.37E+03	0.541
PCB-6 23'-DiCB	15.92	J	1.0255	1.0253	-0.2	4.61E+04	SI	0.90	0.649	4.37E+03	0.572
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	4.37E+03	0.566
PCB-8 24'-DiCB	16.34		1.0519	1.0518	-0.1	1.81E+05	SI	0.94	2.45	4.37E+03	0.55
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	4.37E+03	0.471
PCB-11 33'-DiCB	18.64	B	0.9712	0.9713	+0.1	3.79E+05	SI	0.91	5.3	4.37E+03	0.568
PCB-13/12 34'/34-DiCB	18.92	J C	0.9862	0.9859	-0.3	6.67E+04	SI	0.91	0.927	4.37E+03	0.564
PCB-15 44'-DiCB	19.20		1.0007	1.0007	0	2.57E+05	SI	1.01	3.21	4.37E+03	0.508
PCB-19 22'6-TrCB	NotFnd		1.0011	-		0.00E+00		0.92	ND	2.81E+03	0.586
PCB-30/18 246/22'5-TrCB	18.35	C	1.1054	1.1058	+0.4	1.78E+05	0.92	1.18	3.46	2.81E+03	0.46
PCB-17 22'4-TrCB	18.74		1.1291	1.1289	-0.2	7.47E+04	1.00	1.02	1.67	2.81E+03	0.529
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	2.81E+03	0.402
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	2.81E+03	0.408
PCB-16 22'3-TrCB	19.15		1.1538	1.1541	+0.3	5.21E+04	1.03	0.76	1.58	2.81E+03	0.716

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	19.63		1.1826	1.1827	+0.1	7.90E+04	1.03	1.46	1.24	2.81E+03	0.37
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.21E+03	0.398
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.21E+03	0.386
PCB-26/29 23'5'/245-TrCB	21.17	J EMPC C	0.8329	0.8316	-1.7	6.68E+04	1.48	1.37	0.799	3.21E+03	0.392
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.21E+03	0.376
PCB-31 24'5-TrCB	21.68		0.8514	0.8514	0	6.31E+05	1.01	1.44	7.16	3.21E+03	0.373
PCB-28/20 244'/233'-TrCB	21.94	C	0.8623	0.8618	-0.7	6.94E+05	0.98	1.33	8.53	3.21E+03	0.403
PCB-21/33 234/23'4'-TrCB	22.15	C	0.8692	0.8701	+1.2	3.03E+05	0.93	1.39	3.57	3.21E+03	0.387
PCB-22 234'-TrCB	22.50		0.8839	0.8839	0	2.21E+05	0.94	1.29	2.8	3.21E+03	0.416
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.21E+03	0.39
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.21E+03	0.376
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.21E+03	0.419
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.21E+03	0.446
PCB-37 344'-TrCB	25.48		1.0008	1.0006	-0.3	3.23E+05	0.94	1.35	3.9	3.21E+03	0.396
PCB-54 22'66'-TeCB	NotFnd		1.0010	-		0.00E+00		1.08	ND	2.14E+03	0.304
PCB-50/53 22'46/22'56'-TeCB	21.42	J C	0.9113	0.9103	-1.3	6.26E+04	0.79	0.93	1.15	2.18E+03	0.432
PCB-45 22'36-TeCB	22.02	J	0.9357	0.9356	-0.1	4.26E+04	0.76	0.79	0.921	2.18E+03	0.509
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.18E+03	0.414
PCB-46 22'36'-TeCB	22.30	EMPC	0.9475	0.9475	0	2.35E+04	0.99	0.78	0.518	2.18E+03	0.518
PCB-52 22'55'-TeCB	23.56		1.0010	1.0009	-0.1	8.48E+05	0.79	0.91	16	2.18E+03	0.443
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.18E+03	0.352
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.18E+03	0.486
PCB-69/49 23'46/22'45'-TeCB	23.99	C	1.0187	1.0194	+1.0	4.99E+05	0.82	1.09	7.79	2.18E+03	0.367
PCB-48 22'45-TeCB	24.25		1.0304	1.0303	-0.1	9.35E+04	0.75	0.91	1.76	2.18E+03	0.443
PCB-44/47/65 ...-TeCB	24.44	C	1.0396	1.0386	-1.5	6.57E+05	0.75	0.97	11.6	2.18E+03	0.414
PCB-59/62/75 ...-TeCB	24.74	J C	1.0512	1.0510	-0.3	7.45E+04	0.79	1.22	1.04	2.18E+03	0.329
PCB-42 22'34'-TeCB	24.90		1.0580	1.0581	+0.1	1.36E+05	0.75	0.87	2.69	2.18E+03	0.464
PCB-41 22'34-TeCB	25.23	J	1.0721	1.0719	-0.3	3.85E+04	0.70	0.77	0.857	2.18E+03	0.524
PCB-71/40 23'4'6/22'33'-TeCB	25.33	C	1.0762	1.0763	+0.2	2.44E+05	0.82	0.93	4.48	2.18E+03	0.432
PCB-64 234'6-TeCB	25.53		1.0847	1.0846	-0.2	3.54E+05	0.74	1.32	4.59	2.18E+03	0.305
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	3.30E+03	0.551
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	3.30E+03	0.458
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	3.30E+03	0.51
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	3.30E+03	0.495
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	3.30E+03	0.47
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	3.30E+03	0.455
PCB-61/70/74/76 ...-TeCB	27.76	C	0.8864	0.8867	+0.5	2.11E+06	0.78	1.23	29.3	3.30E+03	0.495
PCB-66 23'44'-TeCB	28.03		0.8953	0.8954	+0.2	1.00E+06	0.79	1.16	14.8	3.30E+03	0.526
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	3.30E+03	0.52
PCB-56 233'4'-TeCB	28.61		0.9138	0.9138	0	4.71E+05	0.72	1.15	6.98	3.30E+03	0.528
PCB-60 2344'-TeCB	28.80		0.9199	0.9200	+0.2	2.60E+05	0.74	1.18	3.78	3.30E+03	0.516
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	3.30E+03	0.442
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	3.30E+03	0.452
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	3.30E+03	0.563
PCB-104 22'466'-PeCB	NotFnd		1.0009	-		0.00E+00		1.12	ND	1.31E+03	0.165
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.31E+03	0.189
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.65E+03	0.392
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.65E+03	0.459

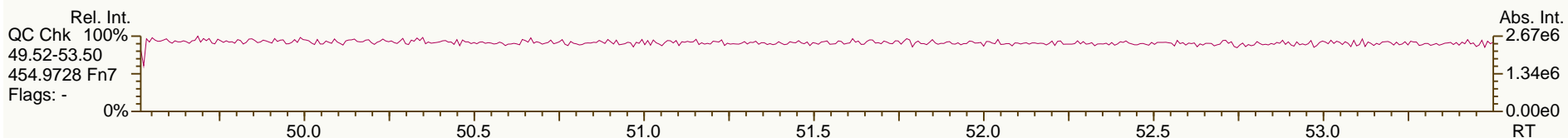
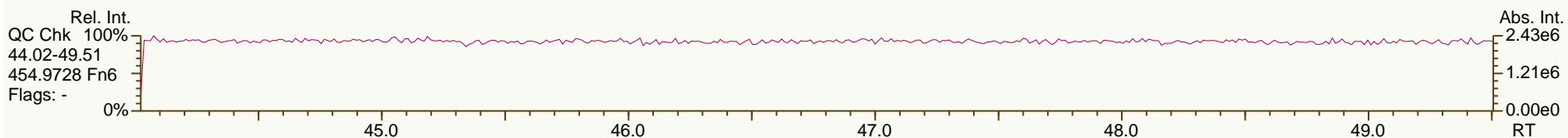
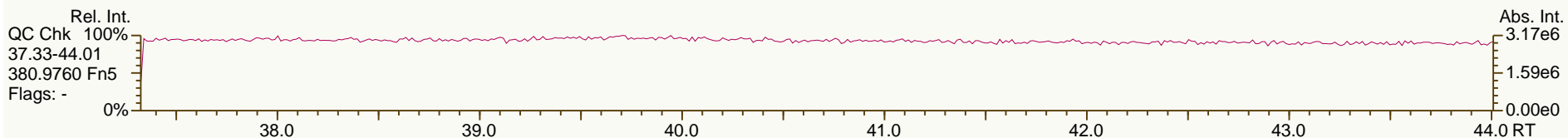
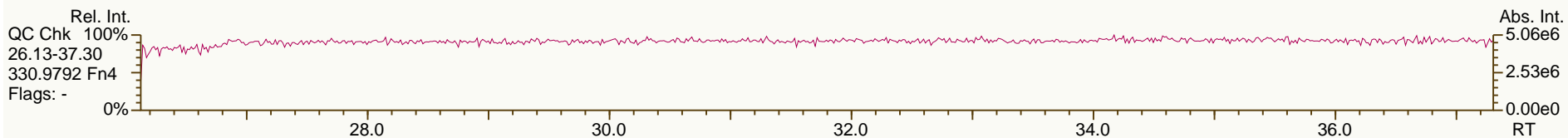
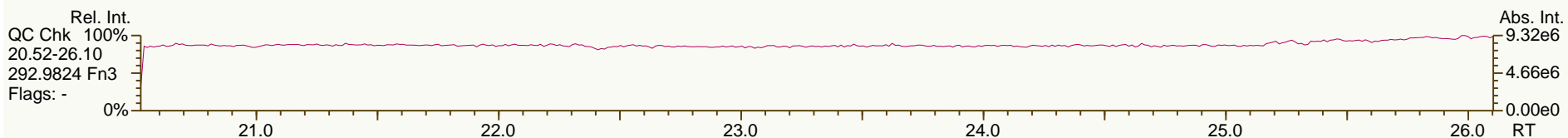
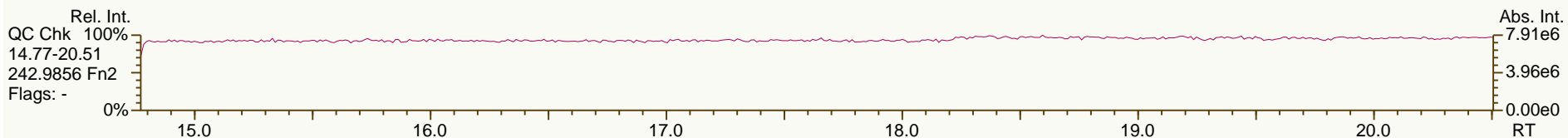
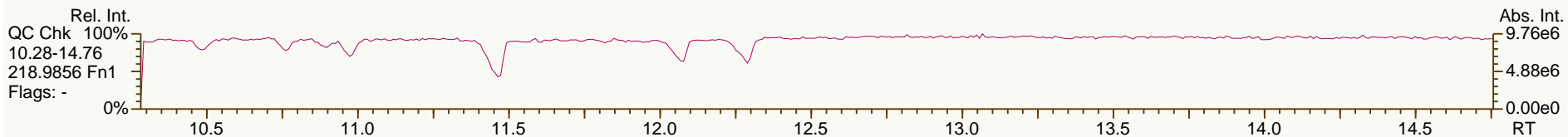
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PCB-95 22'35'6-PeCB	26.99		0.9145	0.9144	-0.2	2.01E+06	0.62	0.74	51.2	1.65E+03	0.426
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	1.65E+03	0.42
PCB-102 22'456'-PeCB	27.31		0.9256	0.9255	-0.2	5.06E+04	0.68	0.86	1.12	1.65E+03	0.37
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	1.65E+03	0.465
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	1.65E+03	0.461
PCB-91 22'34'6-PeCB	27.74		0.9401	0.9401	0	3.22E+05	0.56	0.87	7.04	1.65E+03	0.365
PCB-84 22'33'6-PeCB	27.93		0.9464	0.9464	0	4.22E+05	0.60	0.64	12.4	1.65E+03	0.493
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	1.65E+03	0.455
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	1.65E+03	0.296
PCB-92 22'355'-PeCB	29.02		0.9835	0.9835	0	3.54E+05	0.62	0.73	9.18	1.65E+03	0.432
PCB-113/90/101 ...-PeCB	29.53	C	0.9999	1.0007	+1.4	2.94E+06	0.62	0.87	64	1.65E+03	0.363
PCB-83 22'33'5-PeCB	29.93		1.0145	1.0142	-0.5	7.81E+04	0.63	0.65	2.29	1.65E+03	0.489
PCB-99 22'44'5-PeCB	30.04		1.0179	1.0178	-0.2	1.45E+06	0.60	0.78	35.3	1.65E+03	0.405
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	1.65E+03	0.318
PCB-108/119/86/97/125...-PeCB	30.51	C	1.0329	1.0340	+2.0	1.55E+06	0.62	0.87	34	1.65E+03	0.366
PCB-117 234'56-PeCB	31.02		1.0510	1.0510	0	6.17E+04	0.71	1.00	1.17	1.65E+03	0.316
PCB-116/85 23456/22'344'-PeCB	31.09	C	1.0539	1.0535	-0.7	5.93E+05	0.59	0.81	13.8	1.65E+03	0.389
PCB-110 233'4'6-PeCB	31.22		1.0580	1.0580	0	4.06E+06	0.63	1.01	76	1.65E+03	0.313
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	1.65E+03	0.327
PCB-82 22'33'4-PeCB	31.50		1.0674	1.0674	0	1.82E+05	0.59	0.63	5.49	1.65E+03	0.505
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	1.65E+03	0.295
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	1.65E+03	0.296
PCB-107/124 ...-PeCB	33.20	C	0.9913	0.9913	0	1.66E+05	0.68	0.95	3.3	1.65E+03	0.332
PCB-109 233'46-PeCB	33.41		0.9974	0.9976	+0.4	2.53E+05	0.60	1.10	4.37	1.65E+03	0.288
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	1.65E+03	0.315
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	1.65E+03	0.348
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	1.65E+03	0.319
PCB-155 22'44'66'-HxCB	NotFnd		1.0007	-		0.00E+00		1.21	ND	1.49E+03	0.184
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.49E+03	0.203
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.49E+03	0.203
PCB-136 22'33'66'-HxCB	29.96		1.0210	1.0211	+0.2	2.15E+06	1.27	0.98	34	1.49E+03	0.226
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.49E+03	0.217
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.49E+03	0.288
PCB-151/135 ...-HxCB	32.02	C	1.0918	1.0915	-0.6	4.73E+06	1.22	1.00	91.7	1.49E+03	0.297
PCB-154 22'44'56'-HxCB	32.24		1.0991	1.0990	-0.2	7.52E+04	1.32	1.14	1.27	1.49E+03	0.259
PCB-144 22'345'6-HxCB	32.51		1.1079	1.1081	+0.4	6.13E+05	1.19	1.03	11.4	1.49E+03	0.286
PCB-147/149 ...-HxCB	32.81	C	1.1182	1.1182	0	1.31E+07	1.26	1.05	240	1.49E+03	0.281
PCB-134 22'33'56-HxCB	32.98		1.1239	1.1241	+0.4	3.45E+05	1.20	0.77	8.6	1.49E+03	0.382
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.49E+03	0.28
PCB-139/140 ...-HxCB	33.33	J EMPC C	1.1359	1.1359	0	1.04E+05	1.64	1.05	1.91	1.49E+03	0.28
PCB-131 22'33'46-HxCB	33.49	EMPC	1.1417	1.1416	-0.2	5.87E+04	1.68	0.91	1.25	1.49E+03	0.326
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.49E+03	0.324
PCB-132 22'33'46'-HxCB	33.88		1.1547	1.1548	+0.2	2.39E+06	1.22	0.93	49.4	1.49E+03	0.318
PCB-133 22'33'55'-HxCB	34.30		1.1690	1.1691	+0.2	1.37E+05	1.35	0.98	2.71	1.49E+03	0.303
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.49E+03	0.246
PCB-146 22'34'55'-HxCB	34.86		0.9570	0.9569	-0.2	1.89E+06	1.25	1.09	33.6	1.49E+03	0.272
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.49E+03	0.218
PCB-153/168 ...-HxCB	35.39	C	0.9720	0.9714	-1.3	1.83E+07	1.25	1.32	266	1.49E+03	0.223

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	35.55		0.9759	0.9759	0	2.63E+06	1.26	1.02	49.5	1.49E+03	0.288
PCB-130 22'33'45'-HxCB	35.90		0.9854	0.9854	0	4.55E+05	1.22	0.89	9.83	1.49E+03	0.331
PCB-137 22'344'5'-HxCB	36.09		0.9908	0.9906	-0.4	2.66E+05	1.21	1.09	4.68	1.49E+03	0.27
PCB-164 233'4'5'6'-HxCB	36.18		0.9932	0.9931	-0.2	9.50E+05	1.23	1.28	14.3	1.49E+03	0.231
PCB-163/138/129 ...-HxCB	36.45	C	1.0011	1.0007	-0.9	1.31E+07	1.24	1.06	237	1.49E+03	0.277
PCB-160 233'456'-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.49E+03	0.248
PCB-158 233'44'6'-HxCB	36.79		1.0099	1.0100	+0.2	1.21E+06	1.20	1.37	17	1.49E+03	0.215
PCB-128/166 ...-HxCB	37.53	C	0.9625	0.9627	+0.5	1.02E+06	1.32	0.86	22.4	2.57E+03	0.617
PCB-159 233'455'-HxCB	38.33		0.9838	0.9831	-1.6	3.58E+05	1.34	1.03	6.61	2.57E+03	0.517
PCB-162 233'4'55'-HxCB	38.59	J	0.9901	0.9899	-0.5	2.90E+04	1.08	1.03	0.537	2.57E+03	0.519
PCB-188 22'34'566'-HpCB	NotFnd		1.0006	-		0.00E+00		0.91	ND	1.48E+03	0.211
PCB-179 22'33'566'-HpCB	34.53		1.0087	1.0088	+0.2	6.07E+06	1.03	0.87	87.8	1.48E+03	0.22
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.48E+03	0.227
PCB-176 22'33'466'-HpCB	35.28		1.0308	1.0309	+0.2	1.13E+06	1.04	0.95	15	1.48E+03	0.202
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.48E+03	0.217
PCB-178 22'33'55'6'-HpCB	36.83		1.0759	1.0761	+0.4	1.75E+06	1.01	0.63	35	1.48E+03	0.304
PCB-175 22'33'45'6'-HpCB	37.38		1.0919	1.0921	+0.4	2.05E+05	1.05	0.86	4.45	1.93E+03	0.448
PCB-187 22'34'55'6'-HpCB	37.61		1.0986	1.0988	+0.5	1.22E+07	1.04	0.97	234	1.93E+03	0.395
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	1.93E+03	0.381
PCB-183 22'344'5'6'-HpCB	38.13		1.1139	1.1141	+0.5	3.61E+06	1.07	1.00	67.1	1.93E+03	0.383
PCB-185 22'3455'6'-HpCB	38.21		1.1163	1.1163	0	8.36E+05	0.91	0.90	17.4	1.93E+03	0.427
PCB-174 22'33'456'-HpCB	38.33		1.1196	1.1197	+0.2	7.71E+06	1.02	0.86	167	1.93E+03	0.445
PCB-177 22'33'45'6'-HpCB	38.70		1.1305	1.1308	+0.7	3.75E+06	1.01	0.82	85.6	1.93E+03	0.469
PCB-181 22'344'56'-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	1.93E+03	0.402
PCB-171/173 ...-HpCB	39.24	C	1.1461	1.1466	+1.2	1.23E+06	1.05	0.82	28.1	1.93E+03	0.471
PCB-172 22'33'455'-HpCB	40.61		0.9050	0.9050	0	8.46E+05	0.97	0.83	19	1.93E+03	0.462
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	1.93E+03	0.353
PCB-180/193 ...-HpCB	41.17	C	0.9168	0.9175	+1.7	1.50E+07	1.04	1.03	273	1.93E+03	0.374
PCB-191 233'44'5'6'-HpCB	41.47		0.9242	0.9242	0	2.03E+05	1.07	1.14	3.33	1.93E+03	0.337
PCB-170 22'33'44'5'-HpCB	42.24		0.9414	0.9414	0	3.52E+06	1.07	0.96	79.7	1.93E+03	0.441
PCB-190 233'44'56'-HpCB	42.69		0.9515	0.9515	0	1.16E+06	1.07	1.28	19.5	1.93E+03	0.328
PCB-202 22'33'55'66'-OoCB	38.81		1.0006	1.0006	0	1.83E+06	0.94	0.86	31.5	1.43E+03	0.247
PCB-201 22'33'45'66'-OoCB	39.60		1.0209	1.0209	0	9.13E+05	0.91	0.97	14	1.43E+03	0.22
PCB-204 22'344'566'-OoCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.43E+03	0.236
PCB-197 22'33'44'66'-OoCB	40.36		1.0407	1.0404	-0.7	1.41E+05	1.01	1.00	2.08	1.43E+03	0.212
PCB-200 22'33'4566'-OoCB	40.46		1.0430	1.0431	+0.2	1.03E+06	0.87	0.88	17.3	1.43E+03	0.241
PCB-198/199 ...-OoCB	42.83	C	1.1037	1.1043	+1.5	6.07E+06	0.89	0.66	136	1.43E+03	0.321
PCB-196 22'33'44'56'-OoCB	43.39		1.1186	1.1188	+0.5	2.00E+06	0.88	0.68	43.2	1.43E+03	0.311
PCB-203 22'344'55'6'-OoCB	43.57		1.1230	1.1232	+0.5	3.35E+06	0.93	0.71	69.7	1.43E+03	0.299
PCB-195 22'33'44'56'-OoCB	44.69		0.9498	0.9497	-0.3	1.07E+06	0.91	0.81	36.2	2.01E+03	0.721
PCB-194 22'33'44'55'-OoCB	46.68		0.9918	0.9918	0	2.91E+06	0.94	0.87	90.9	2.01E+03	0.668
PCB-205 233'44'55'6'-OoCB	47.08		1.0004	1.0004	0	1.55E+05	0.88	1.09	3.87	2.01E+03	0.534
PCB-208 22'33'455'66'-NoCB	44.49		1.0005	1.0005	0	5.19E+05	0.77	1.00	10.2	1.95E+03	0.414
PCB-207 22'33'44'566'-NoCB	45.28		1.0184	1.0184	0	2.62E+05	0.79	0.99	5.2	1.95E+03	0.417
PCB-206 22'33'44'55'6'-NoCB	48.56		1.0004	1.0004	0	1.52E+06	0.77	0.85	43	1.95E+03	0.591

SGS-AP ID: A5941_11356_PCB_007
Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

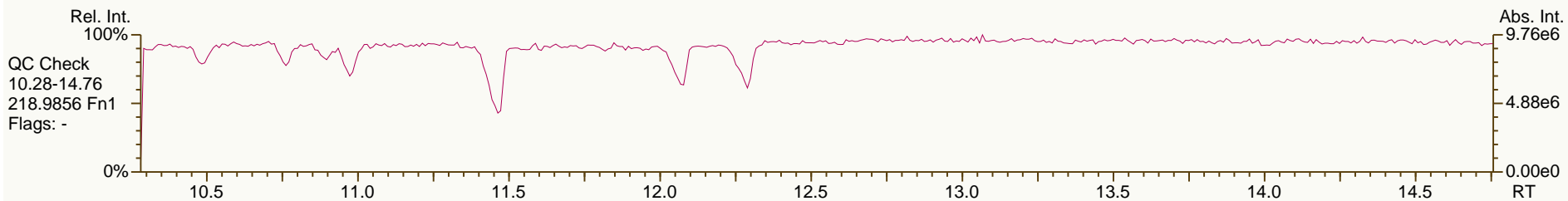
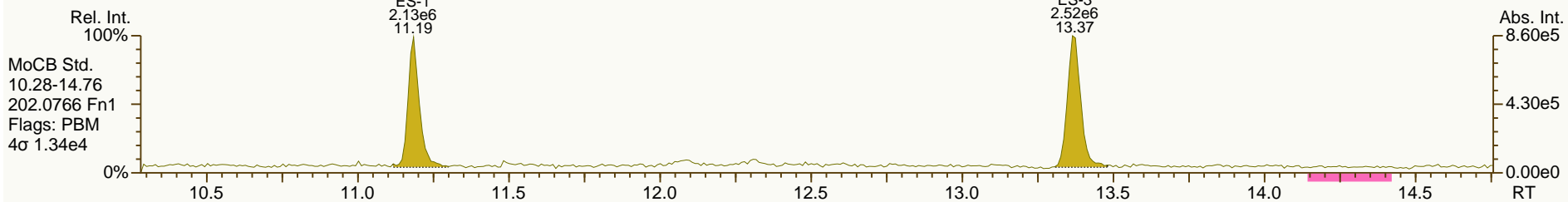
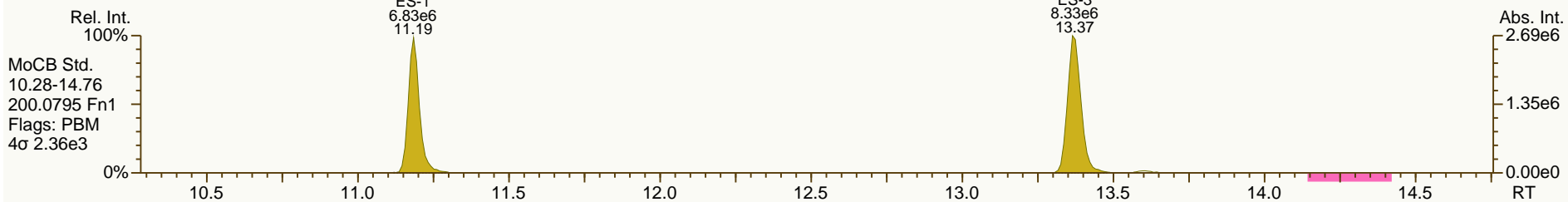
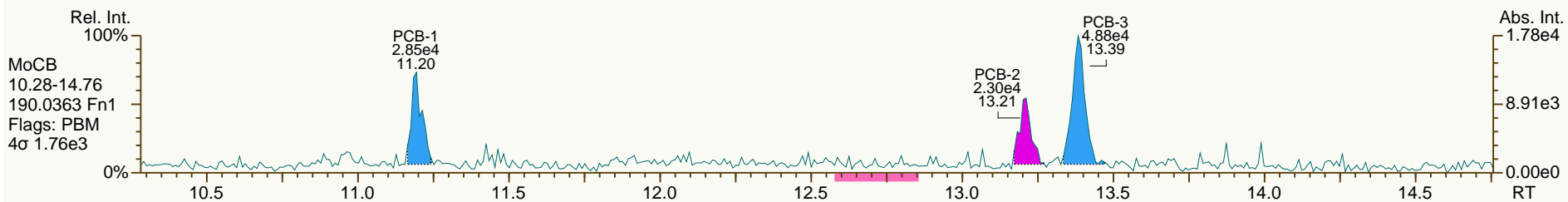
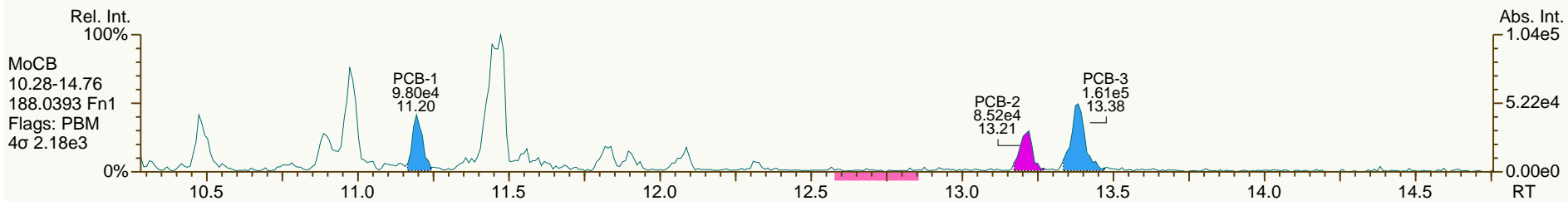
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

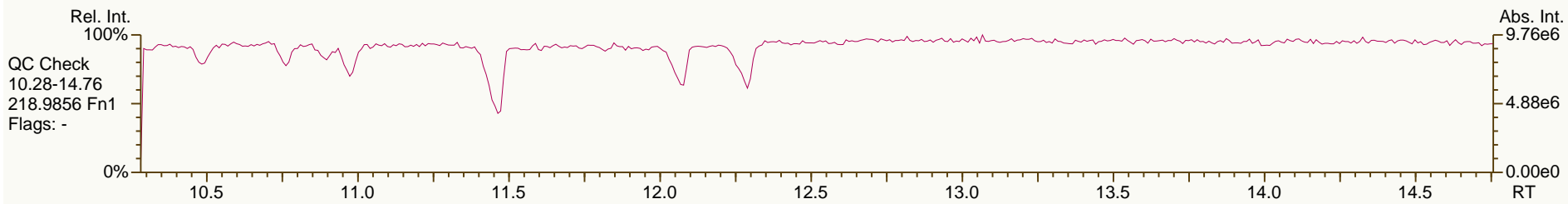
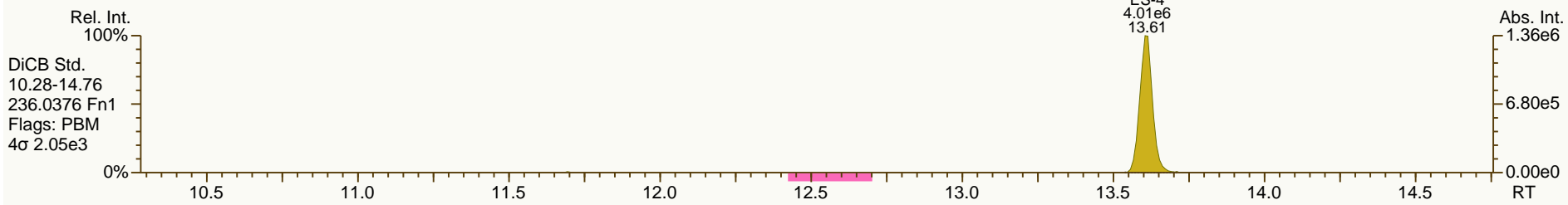
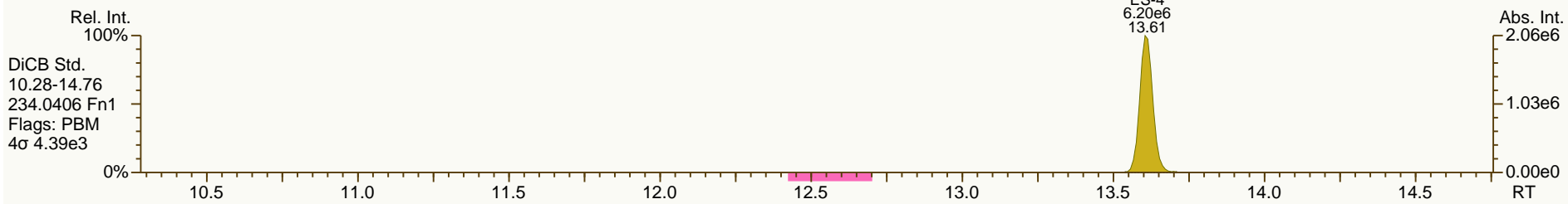
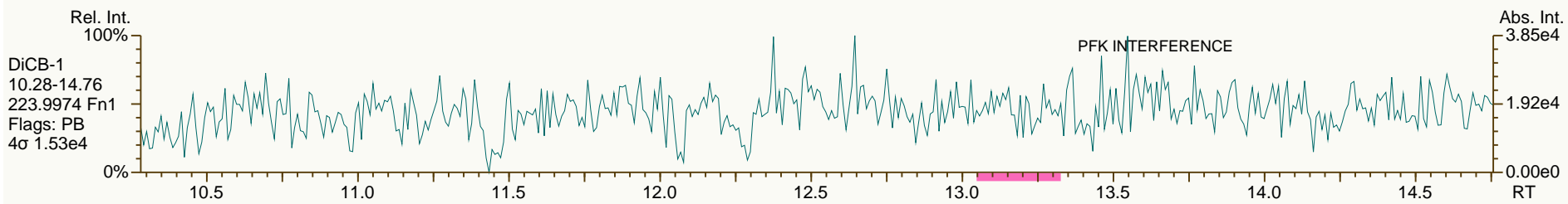
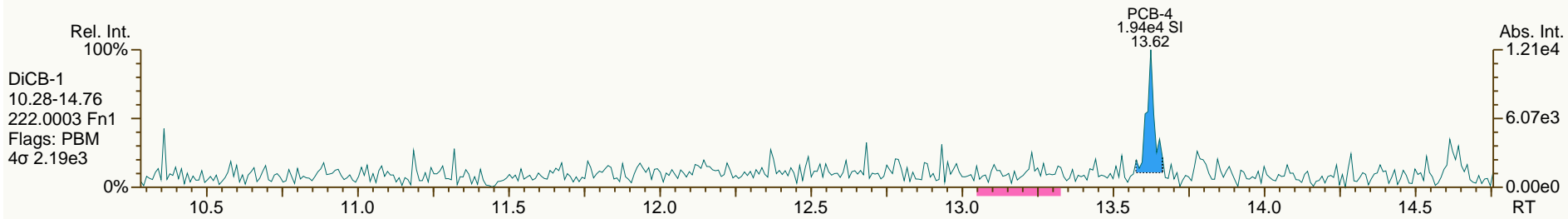
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SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

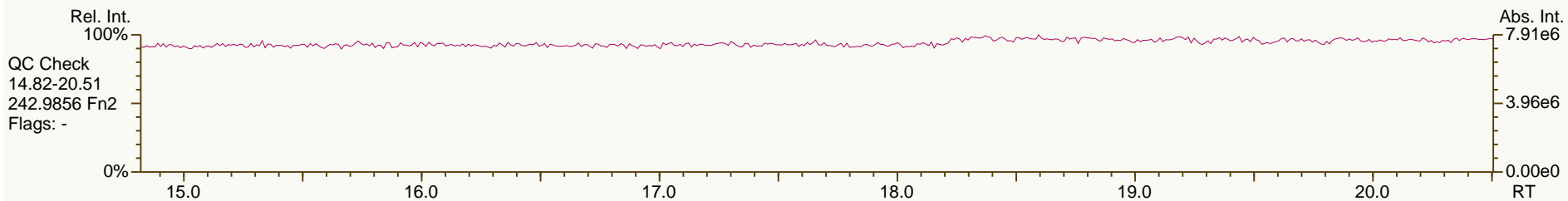
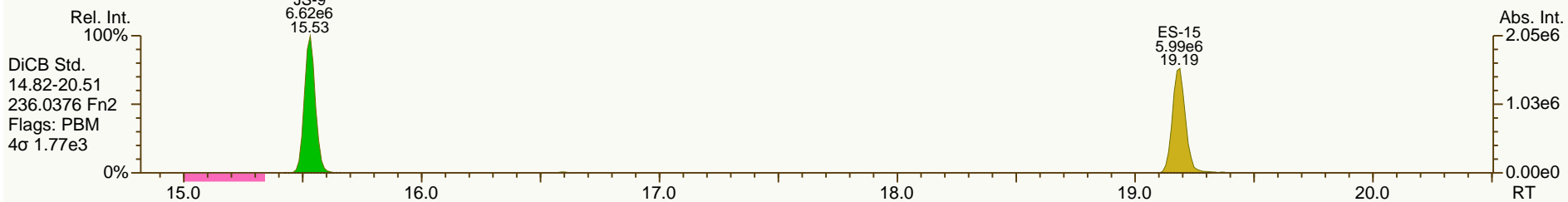
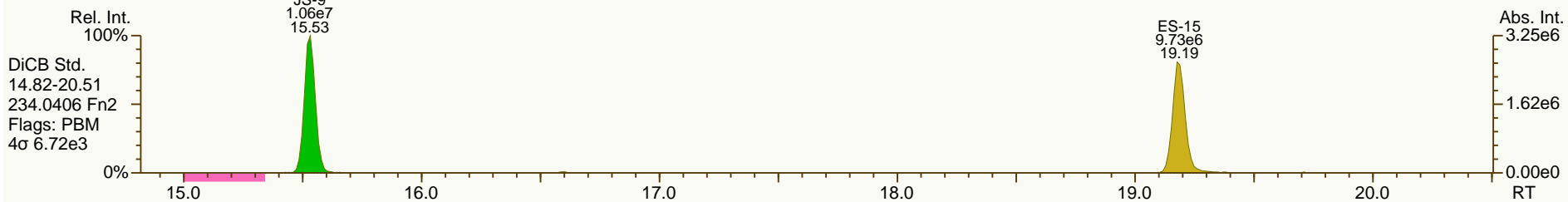
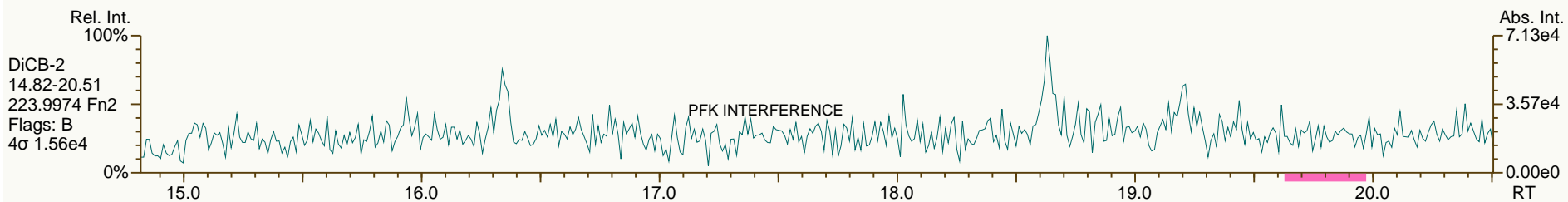
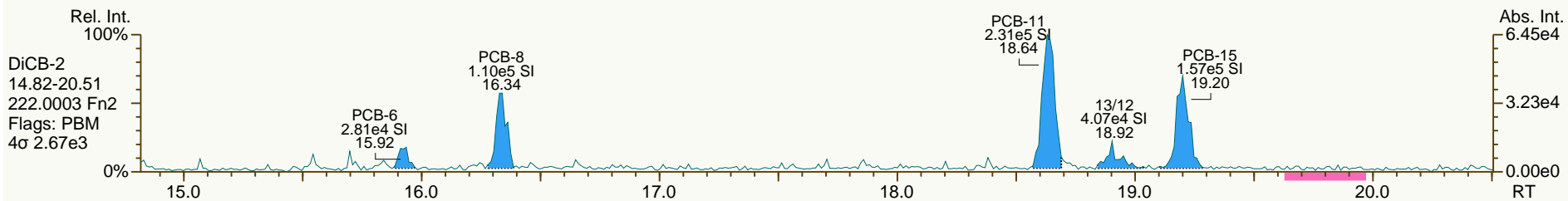
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SGS-AP ID: A5941_11356_PCB_007
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Sample ID: JW-BL-306-130919
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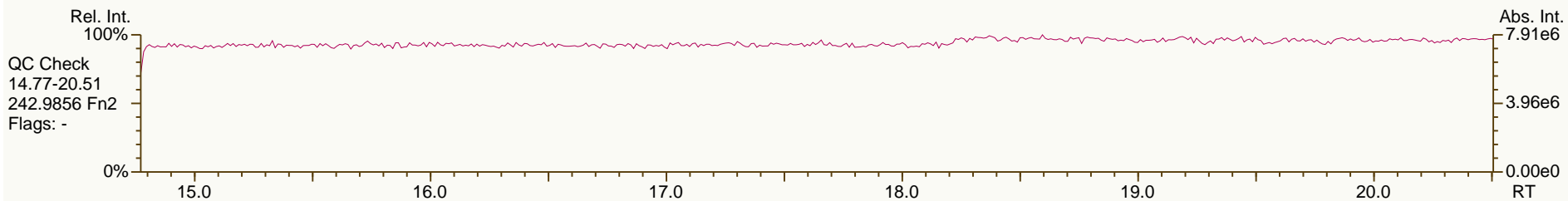
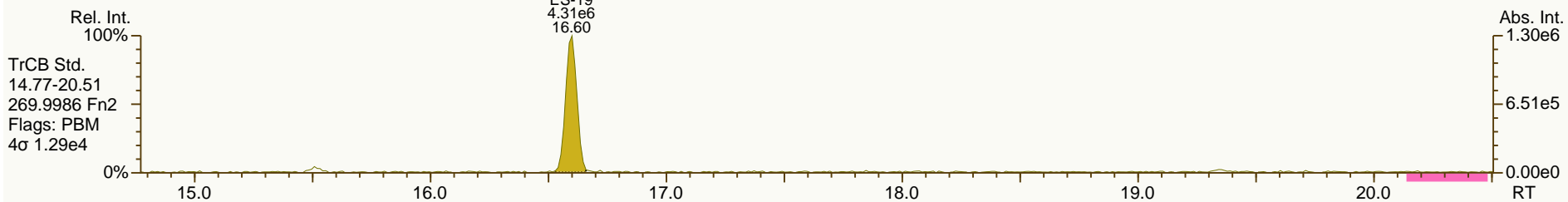
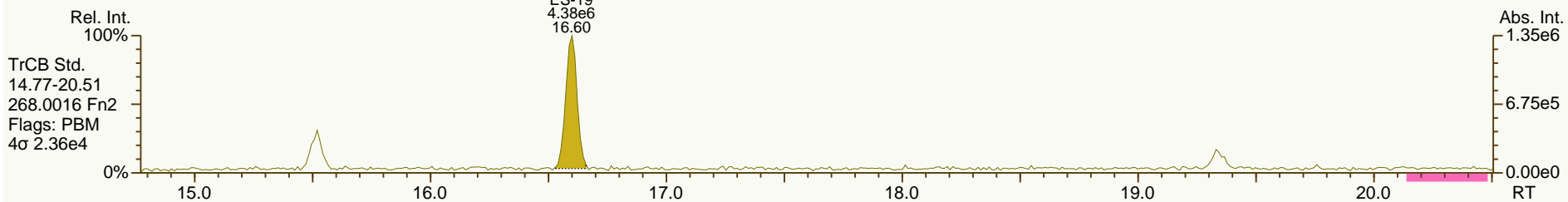
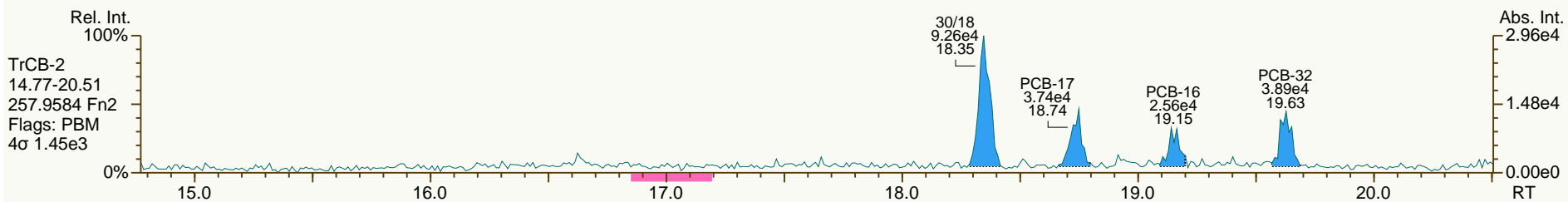
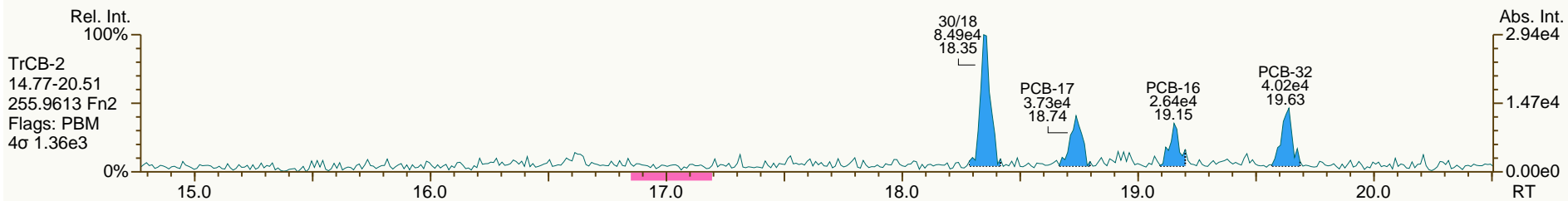
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Sample ID: JW-BL-306-130919
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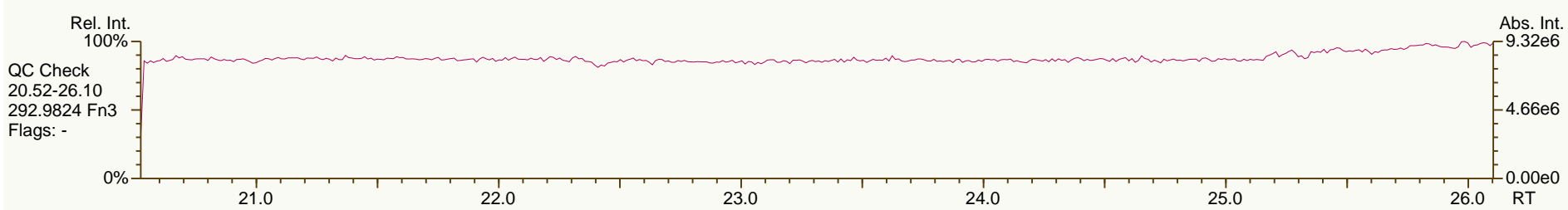
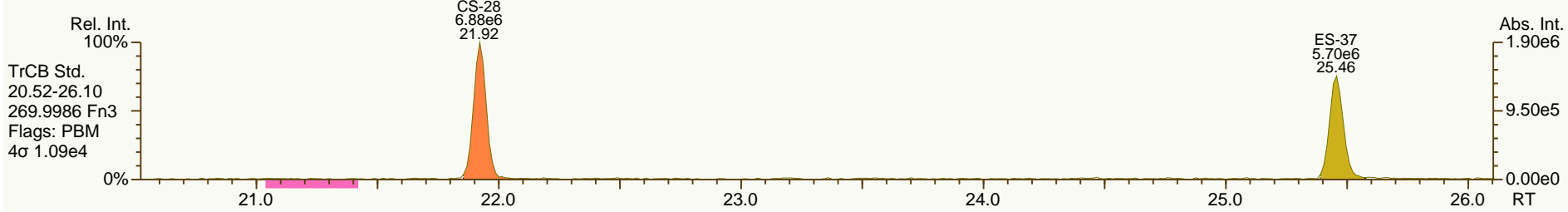
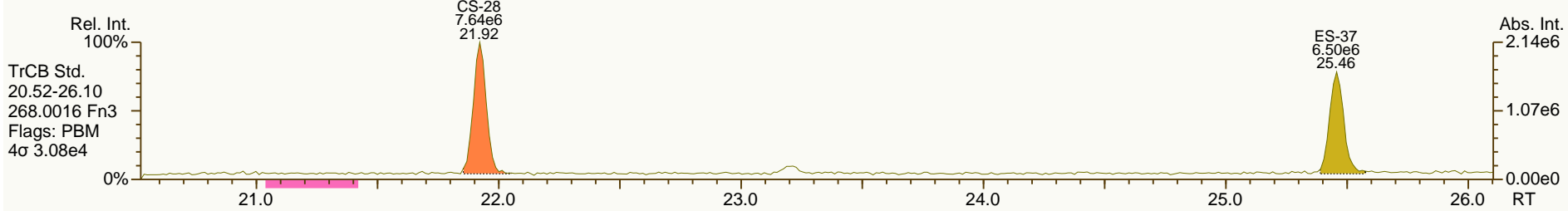
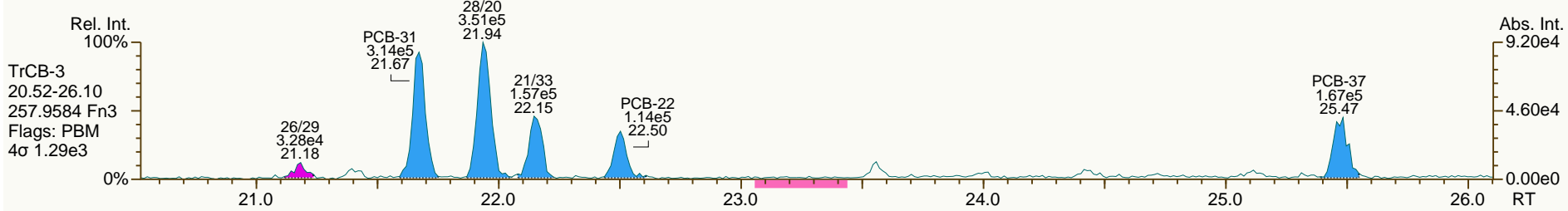
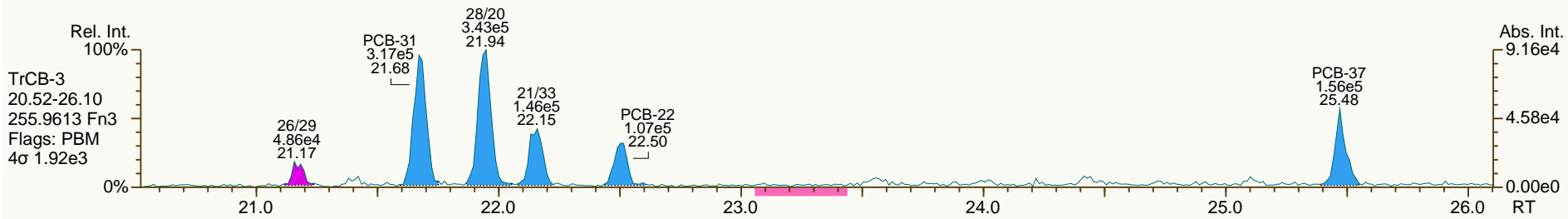
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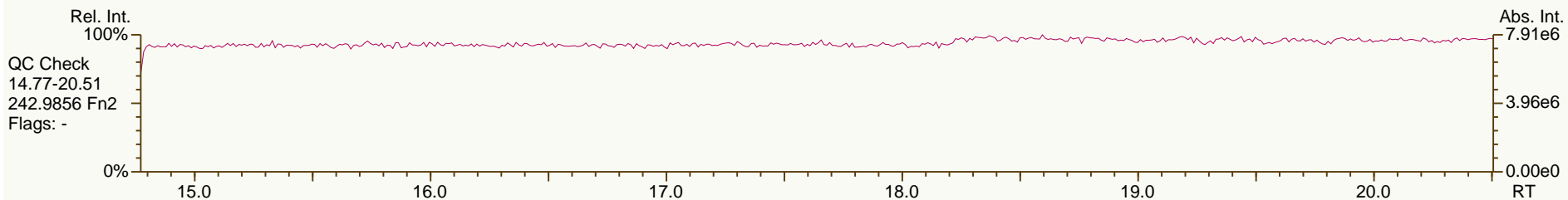
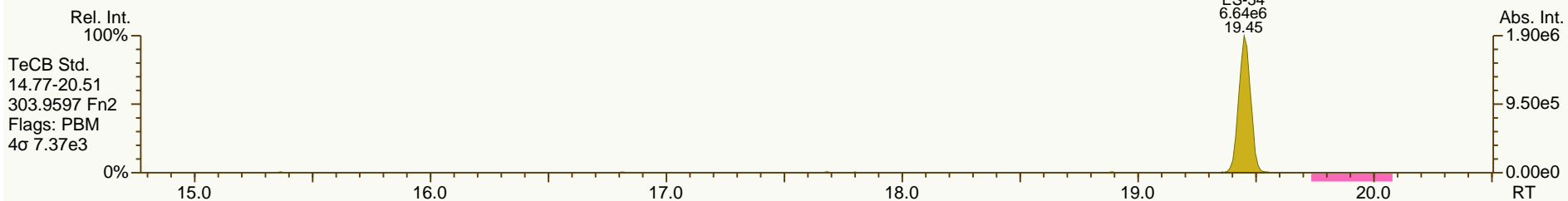
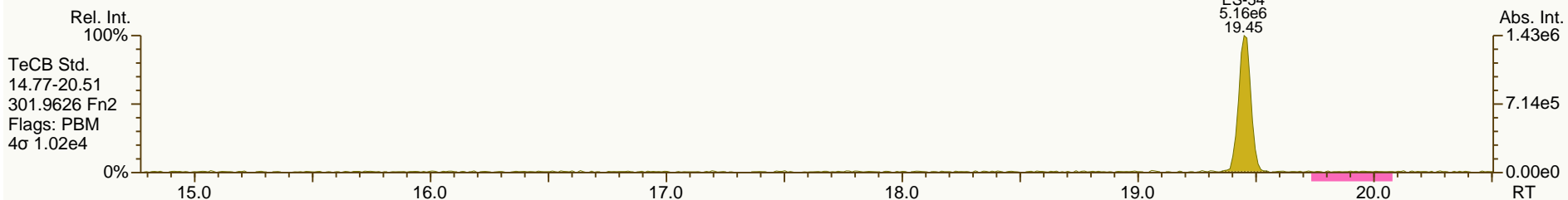
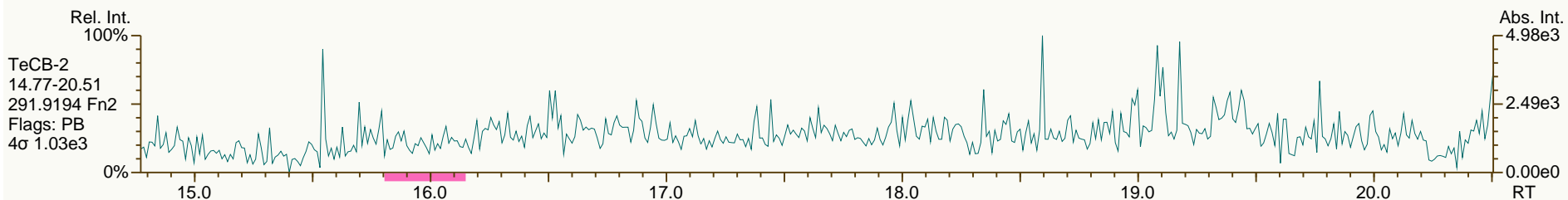
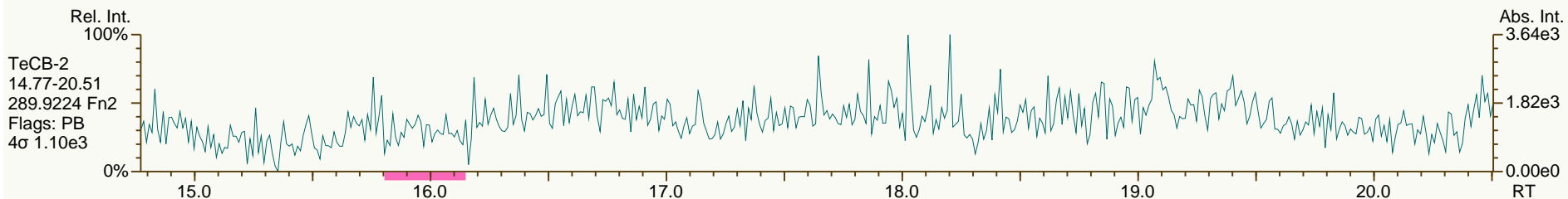
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SGS-AP ID: A5941_11356_PCB_007
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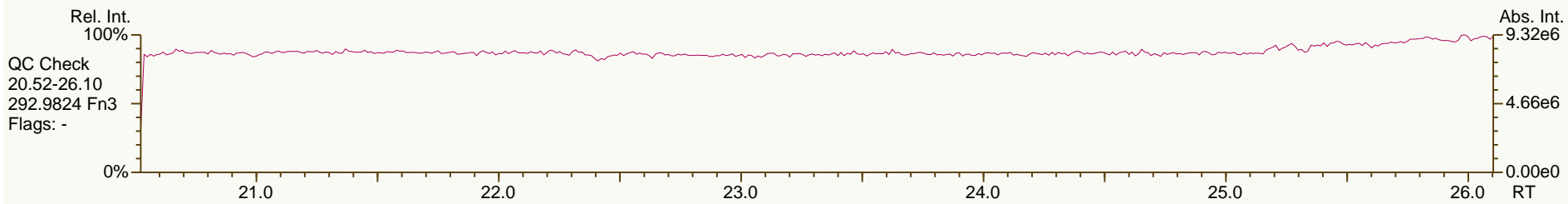
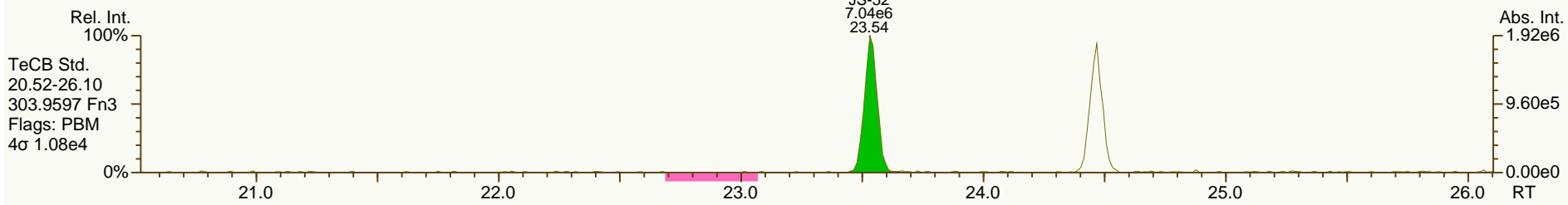
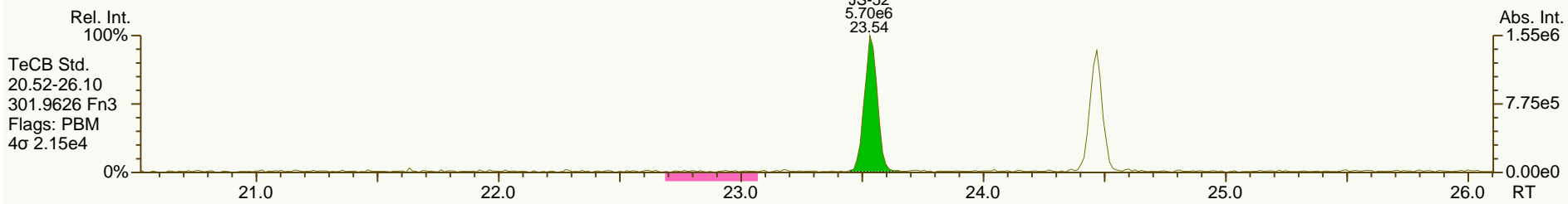
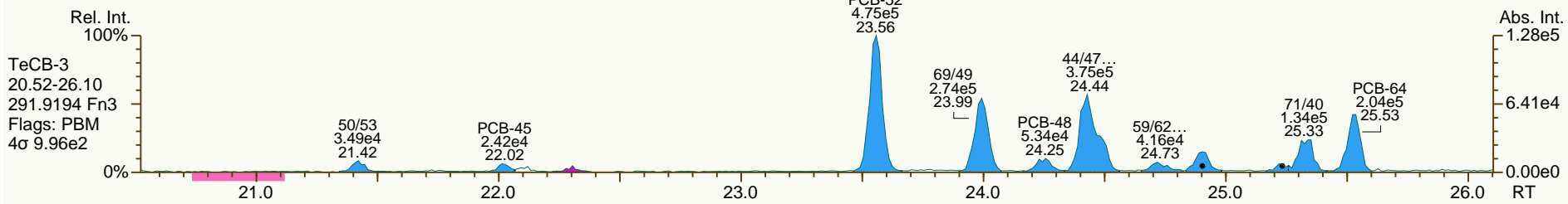
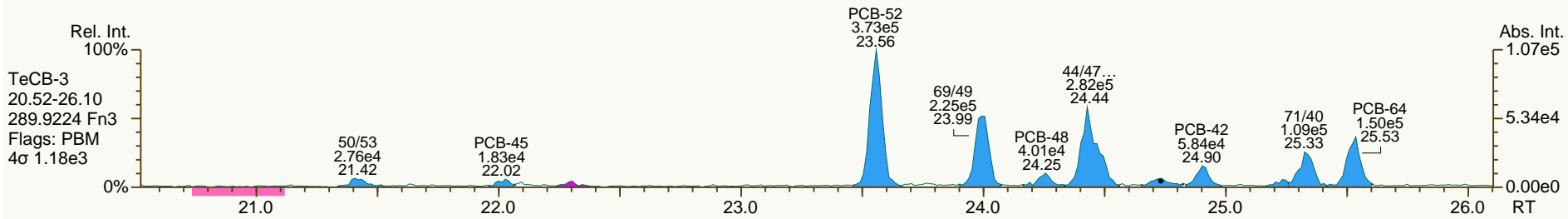
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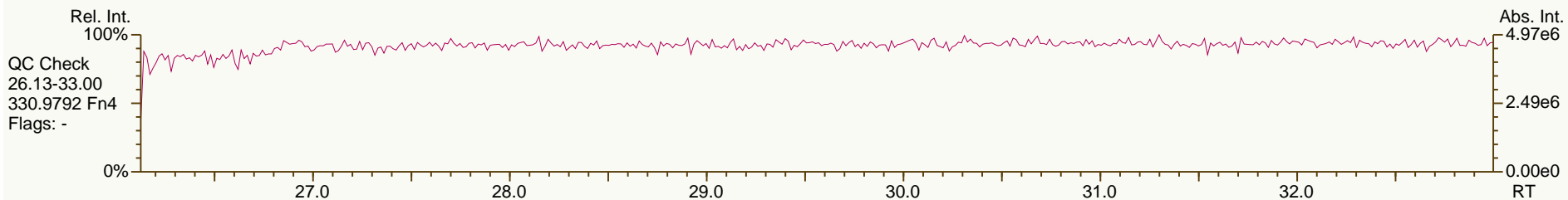
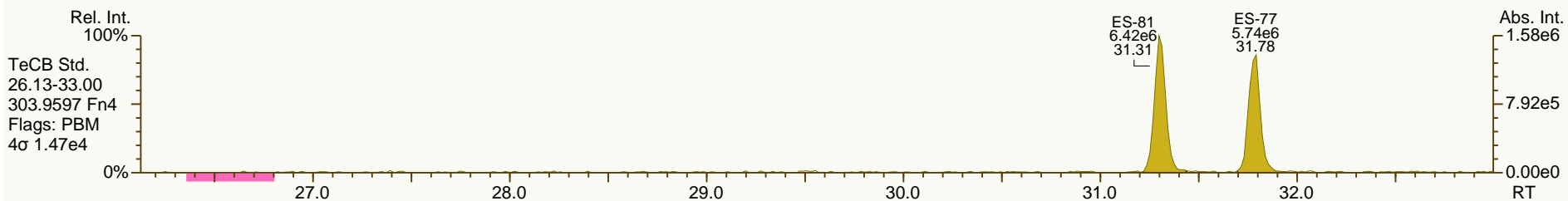
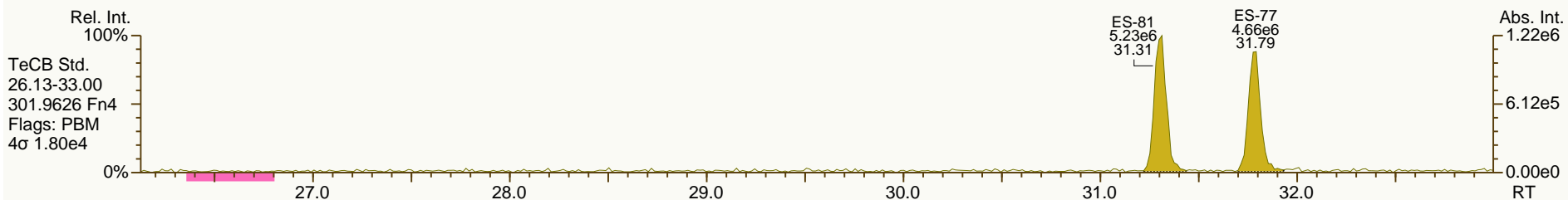
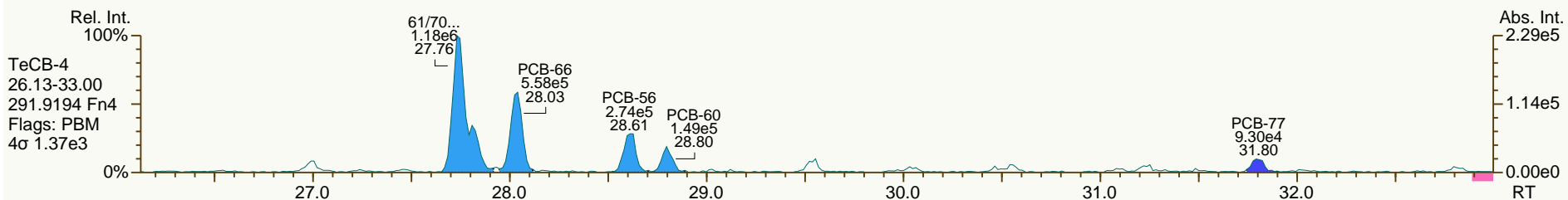
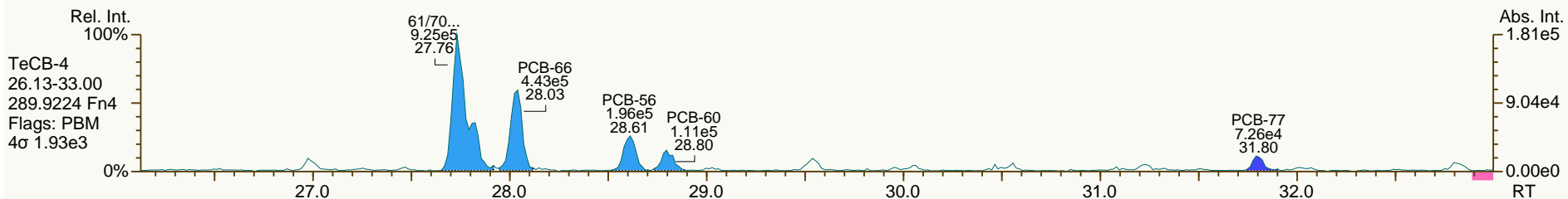
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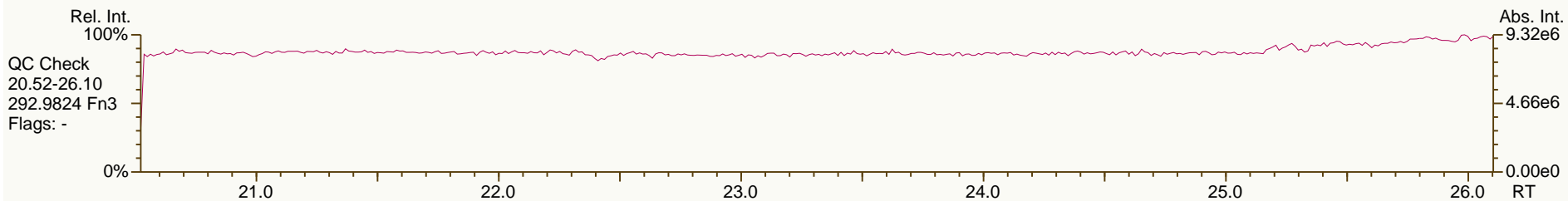
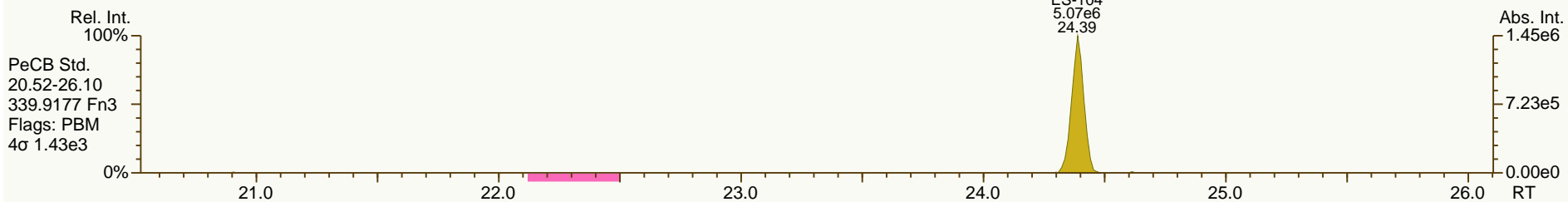
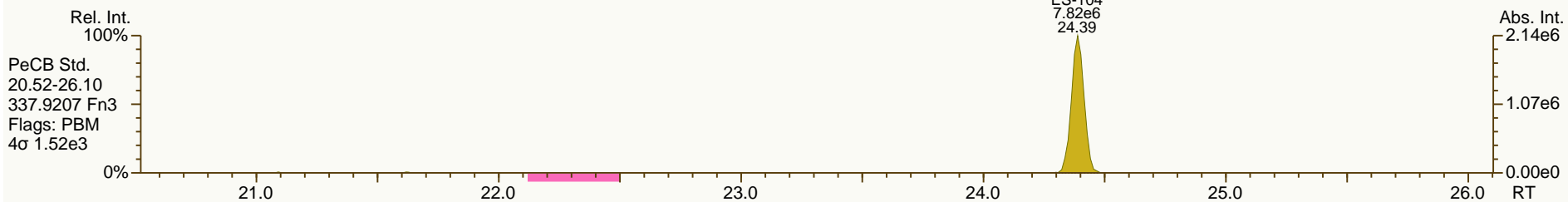
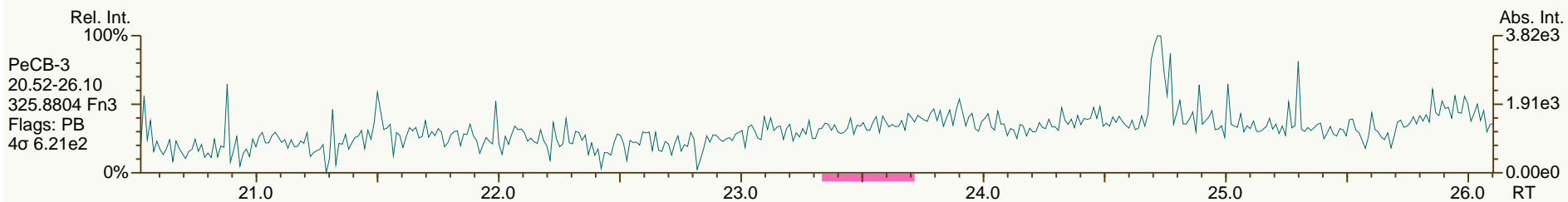
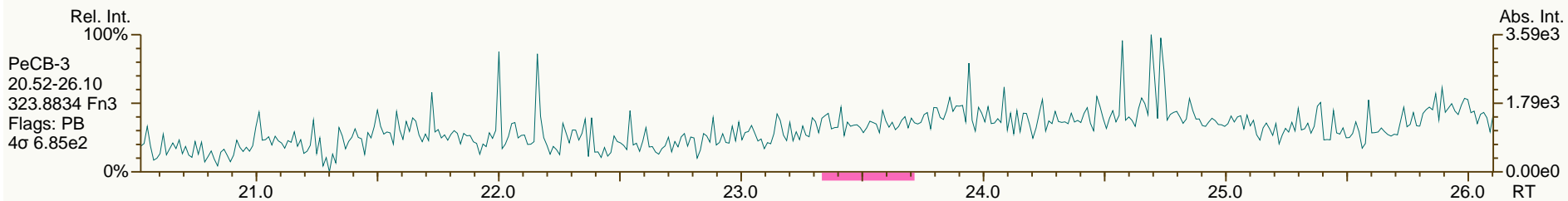
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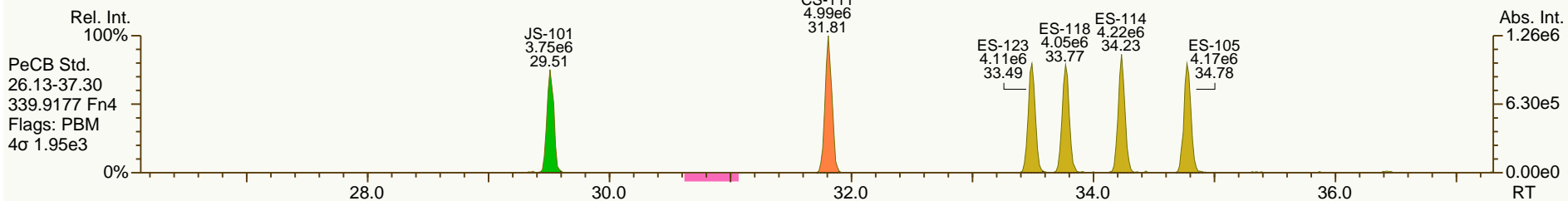
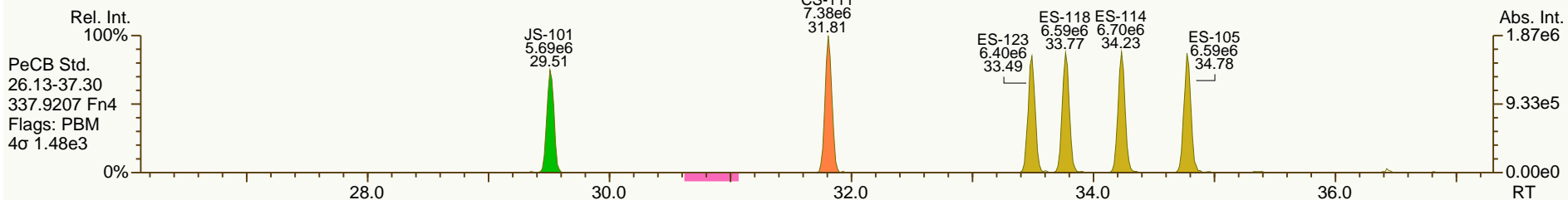
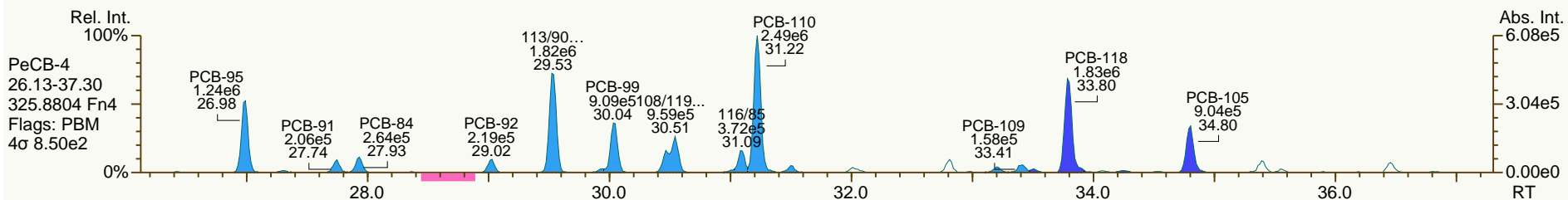
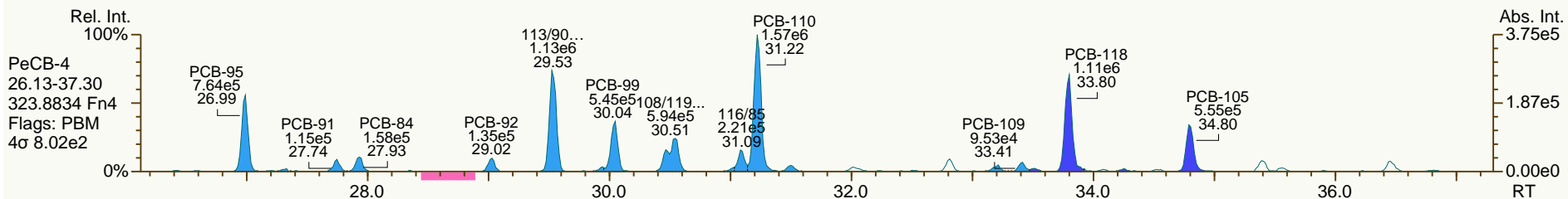
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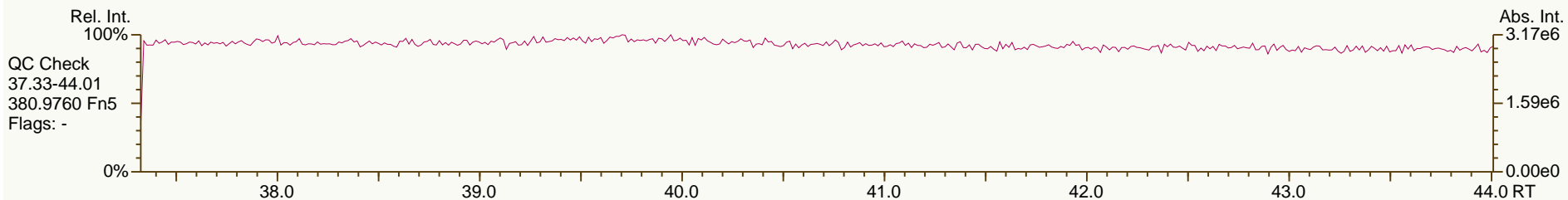
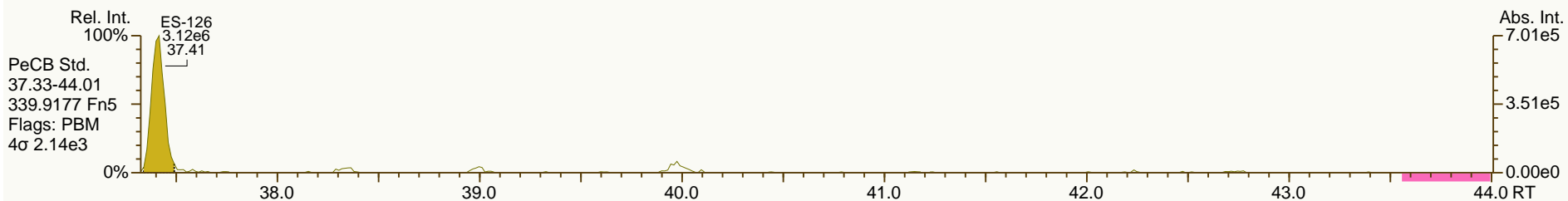
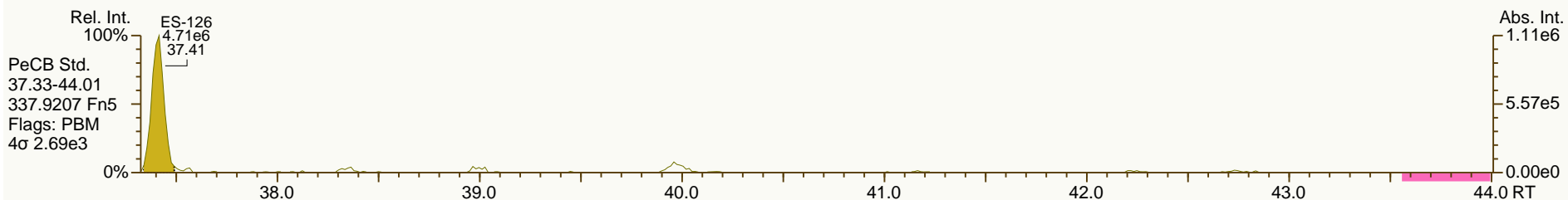
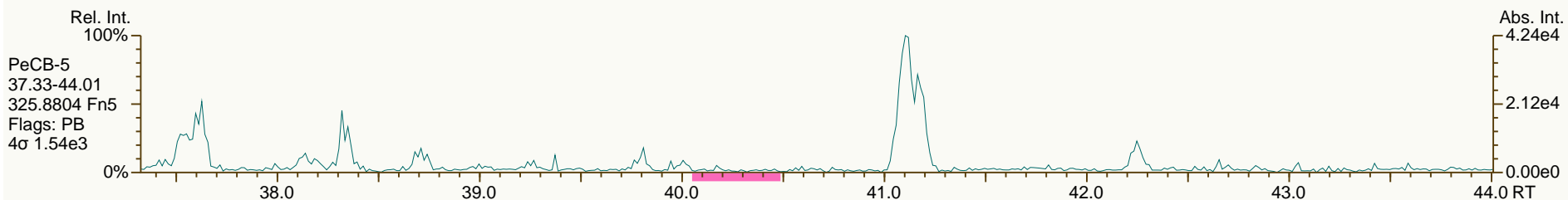
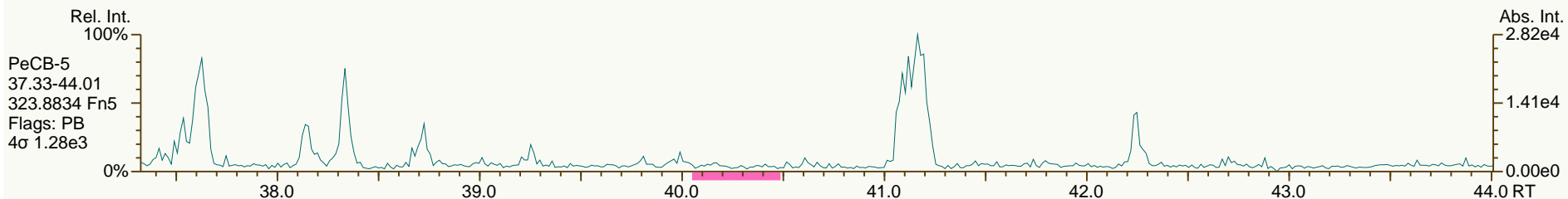
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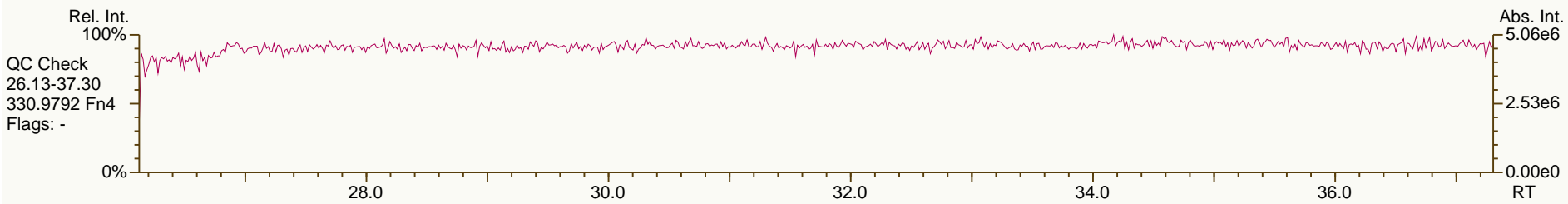
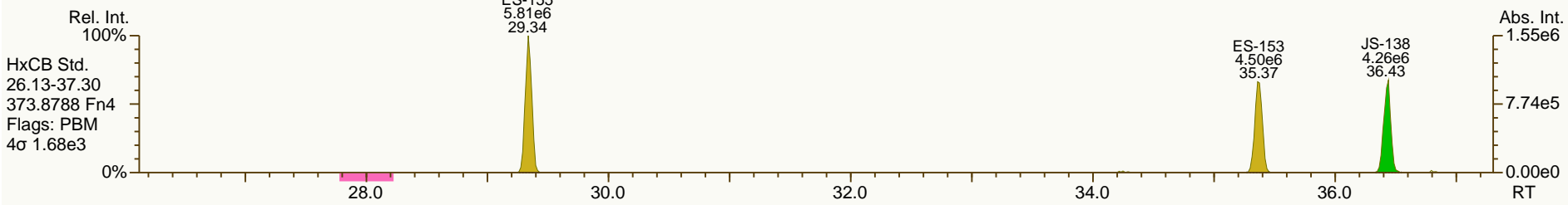
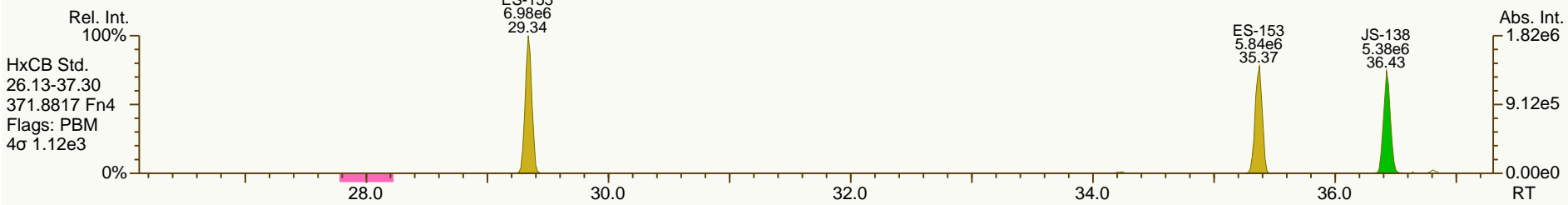
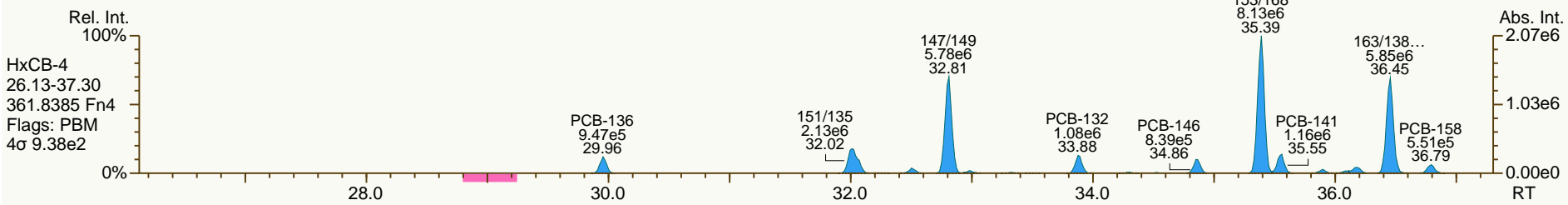
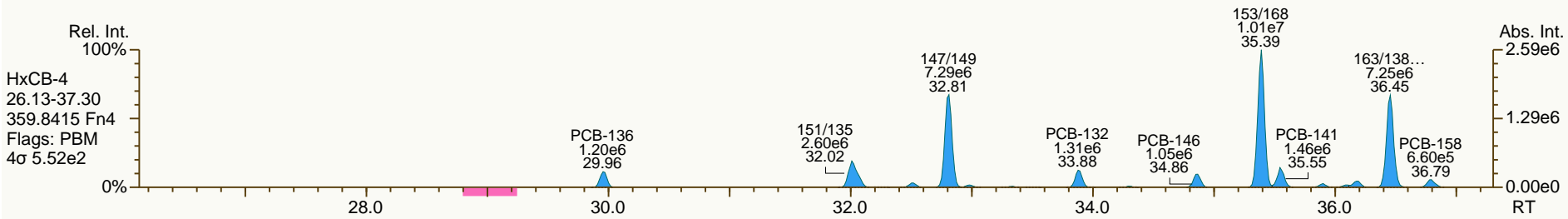
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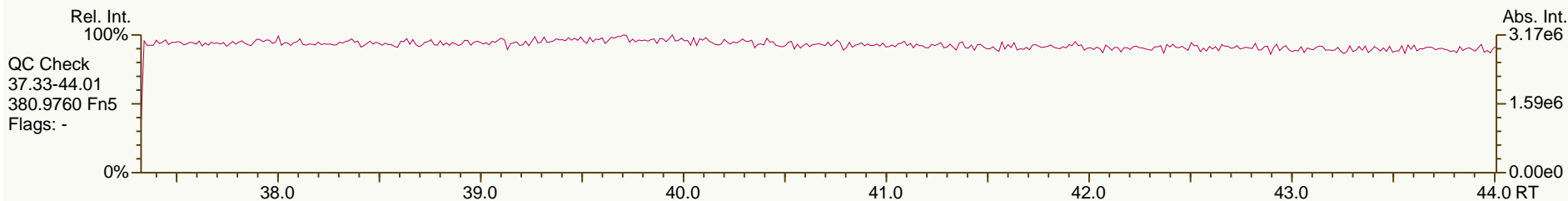
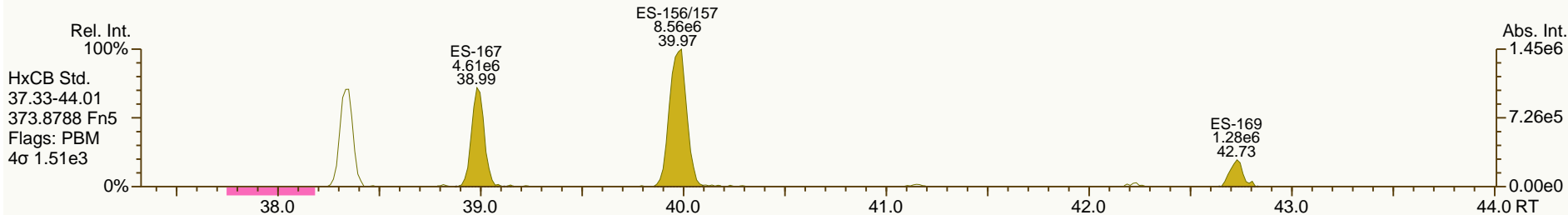
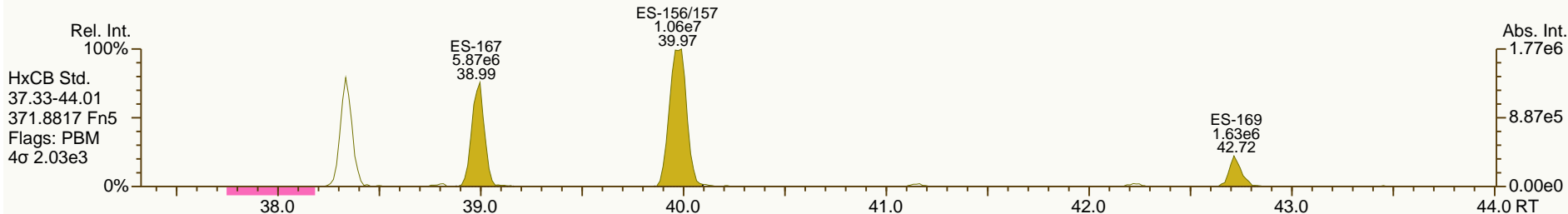
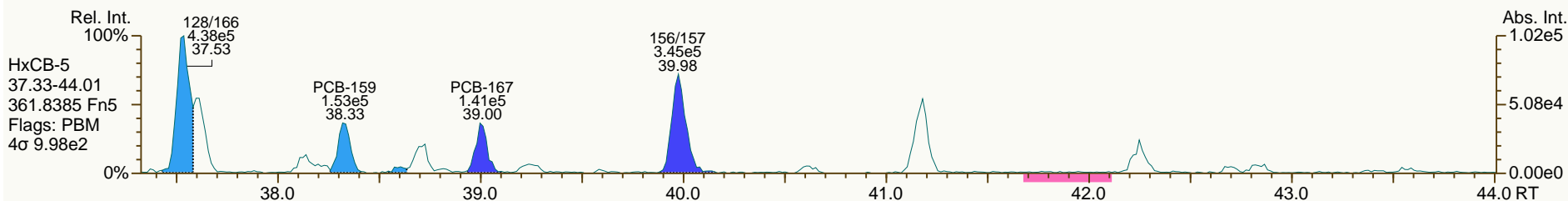
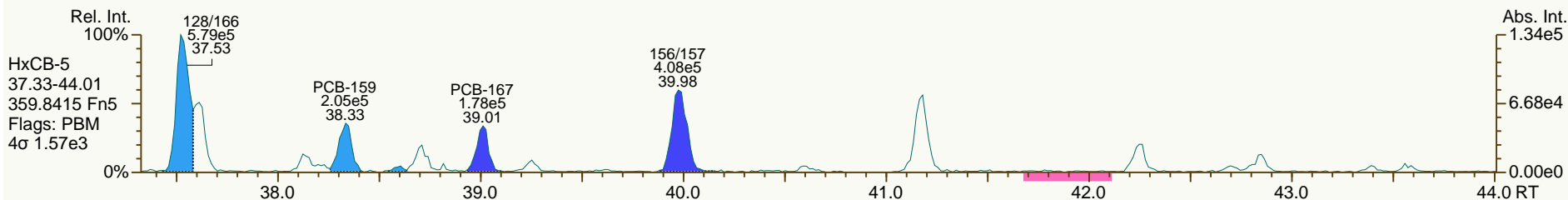
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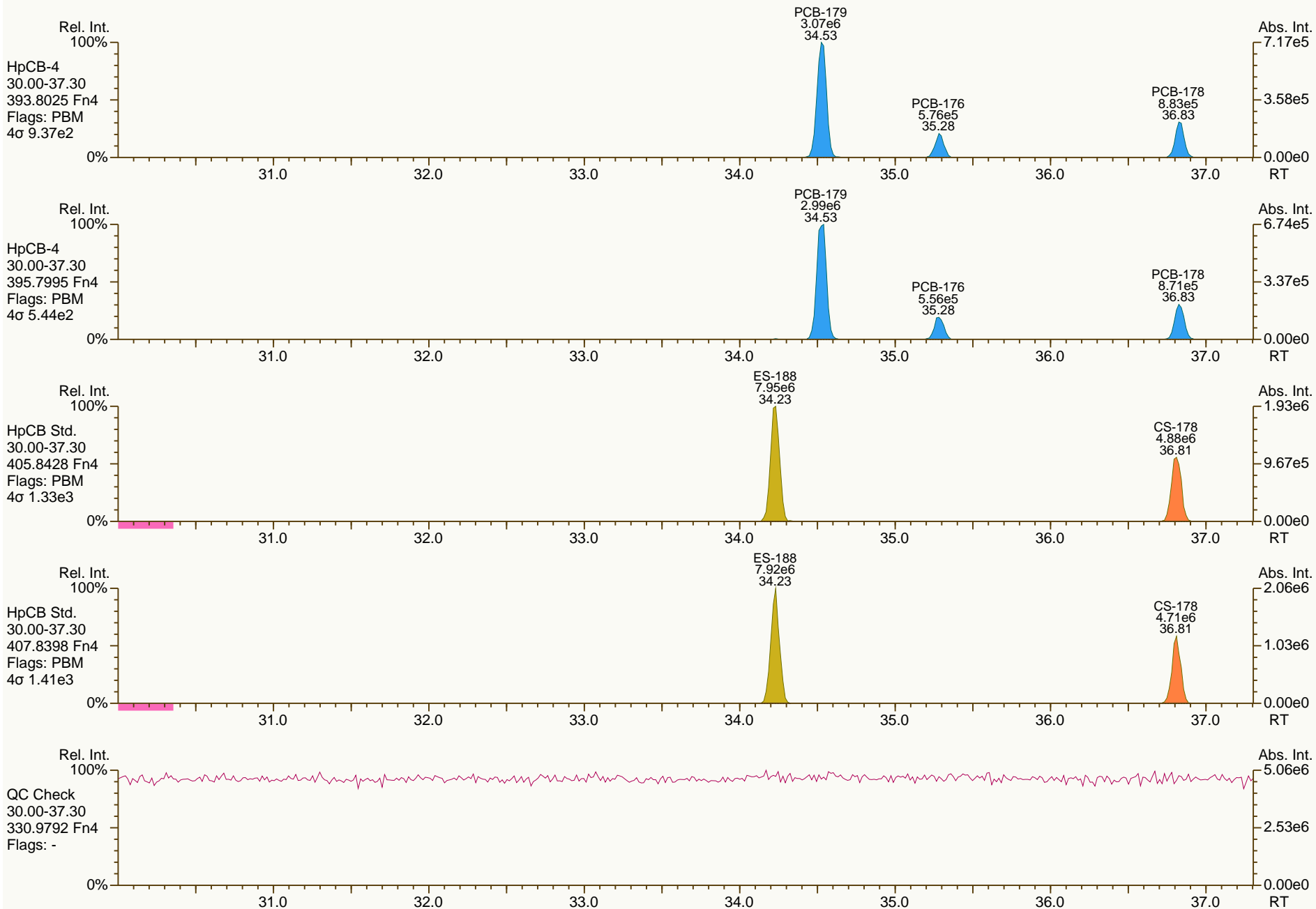
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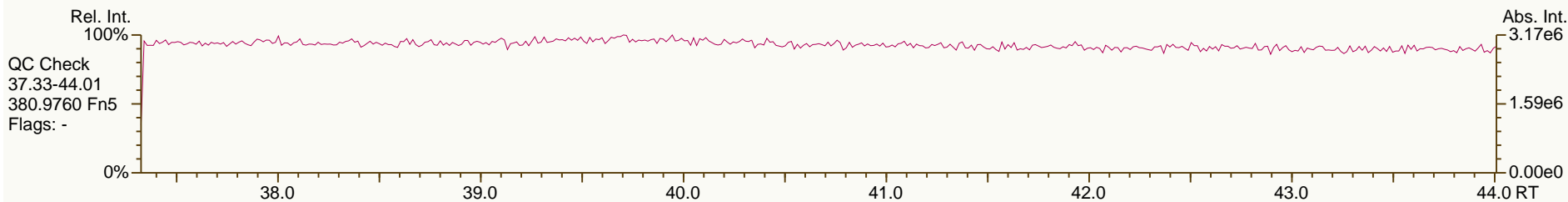
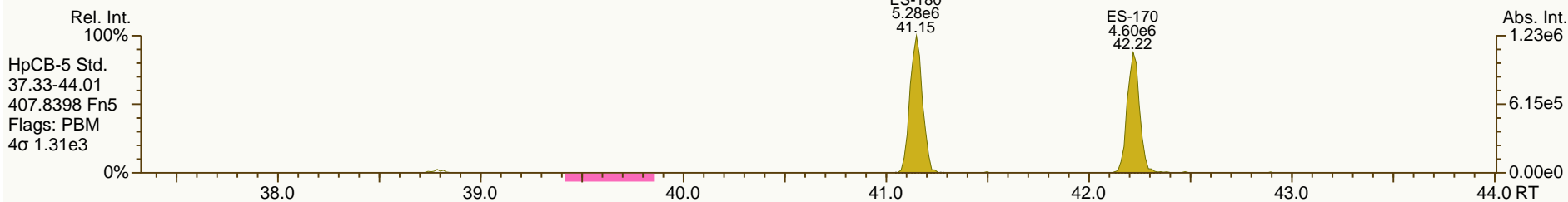
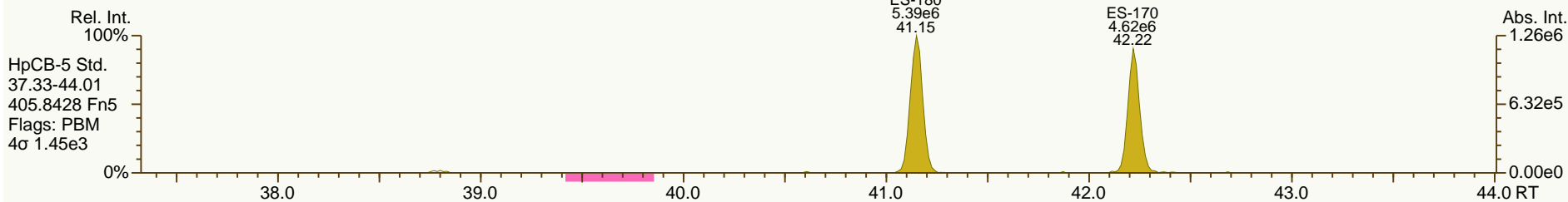
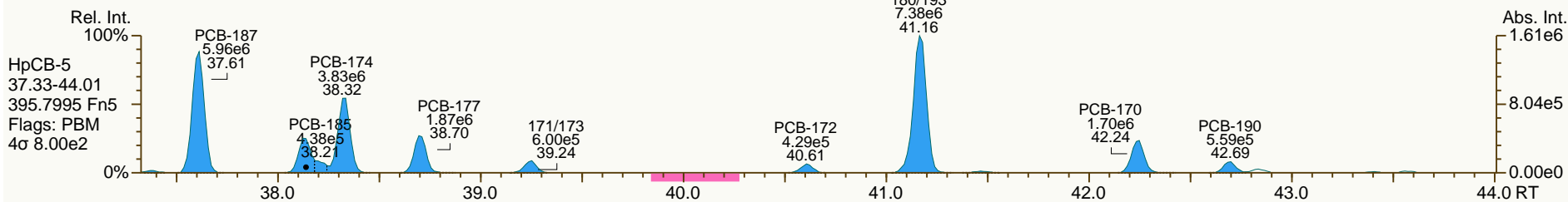
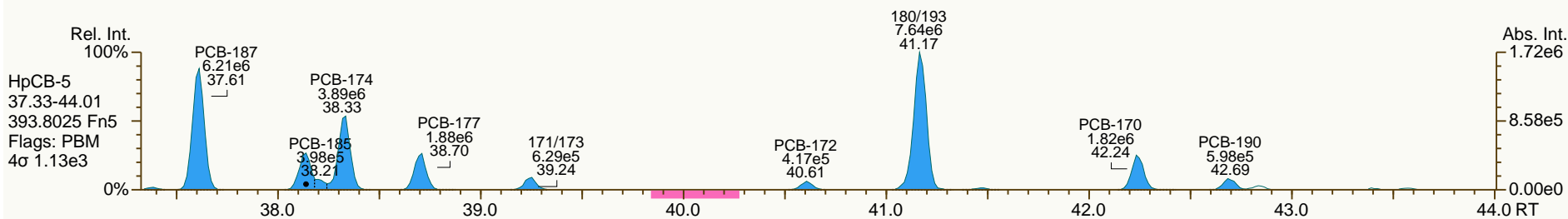
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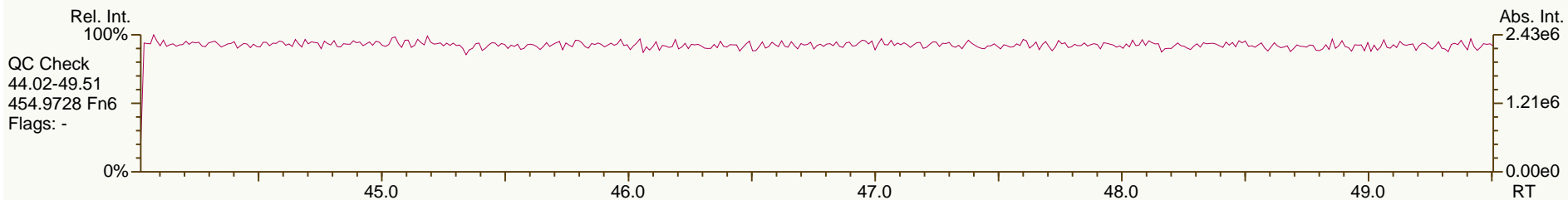
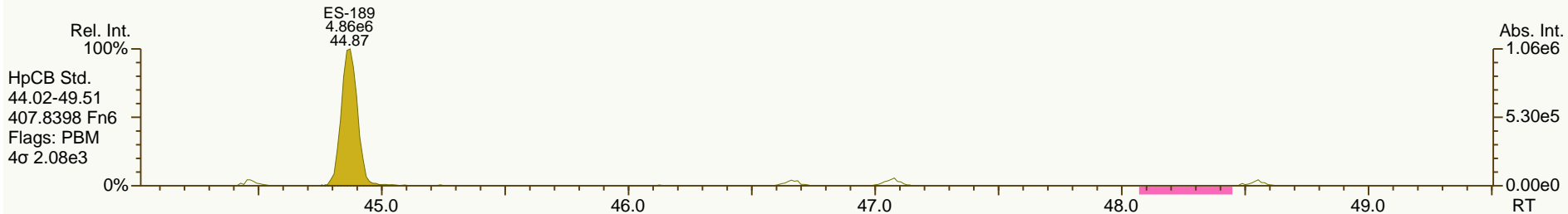
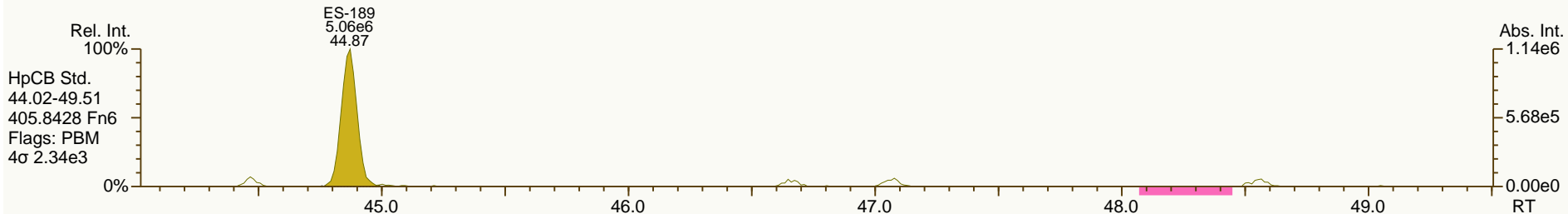
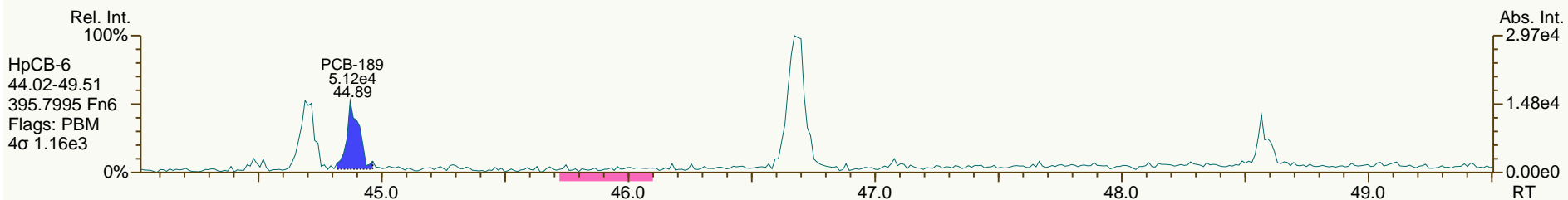
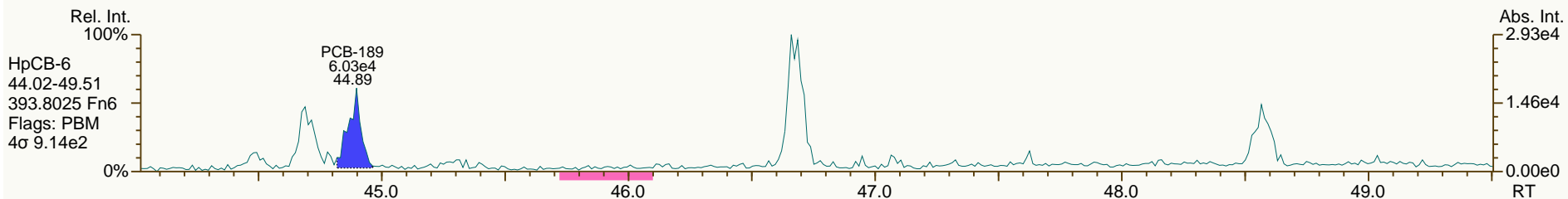
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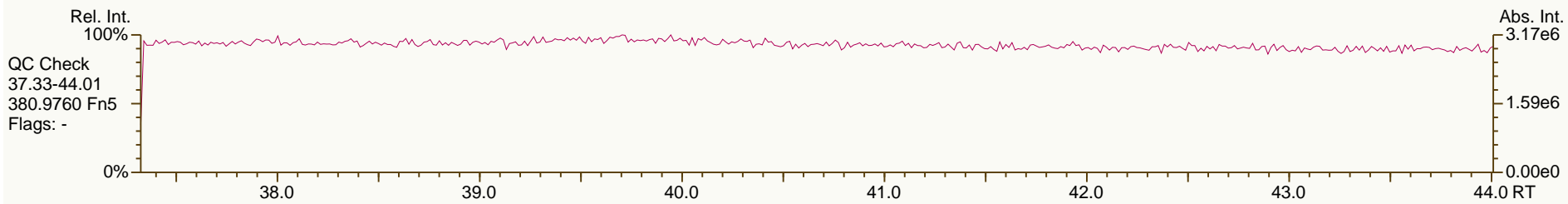
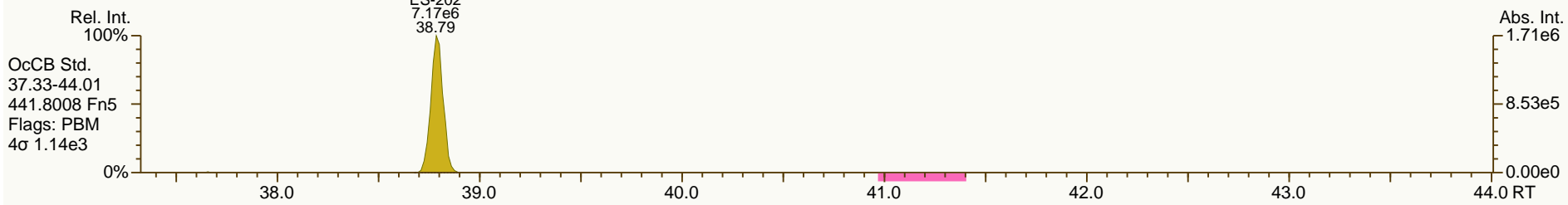
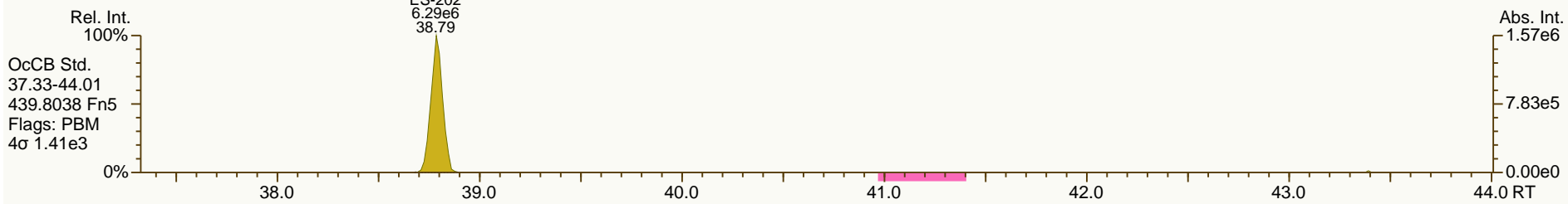
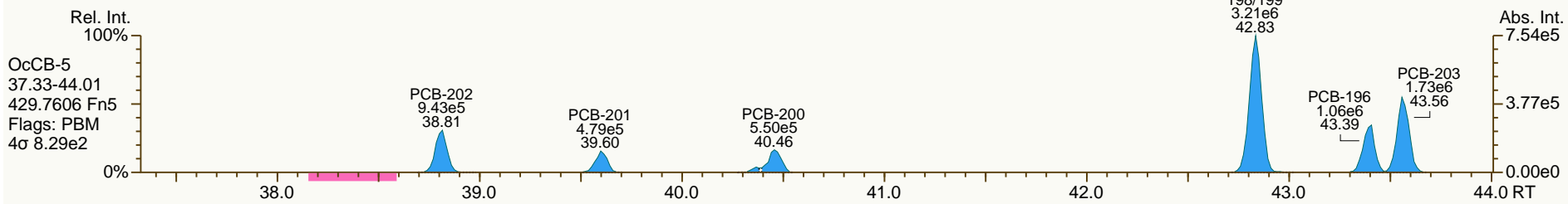
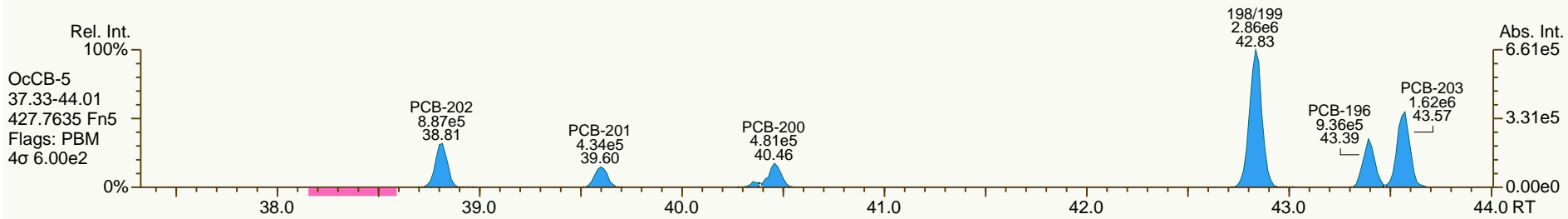
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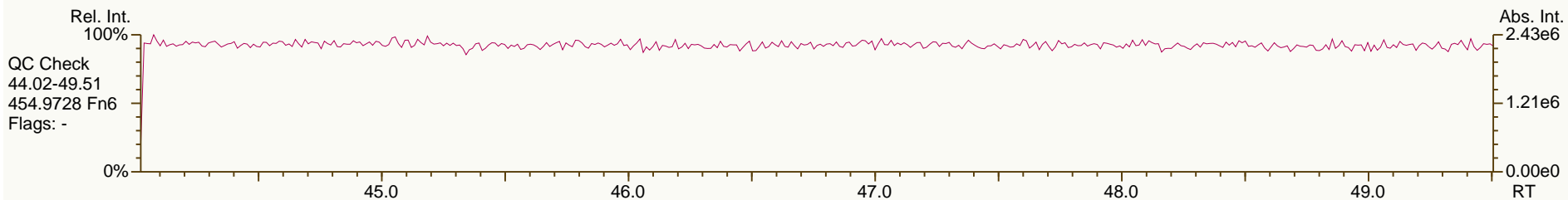
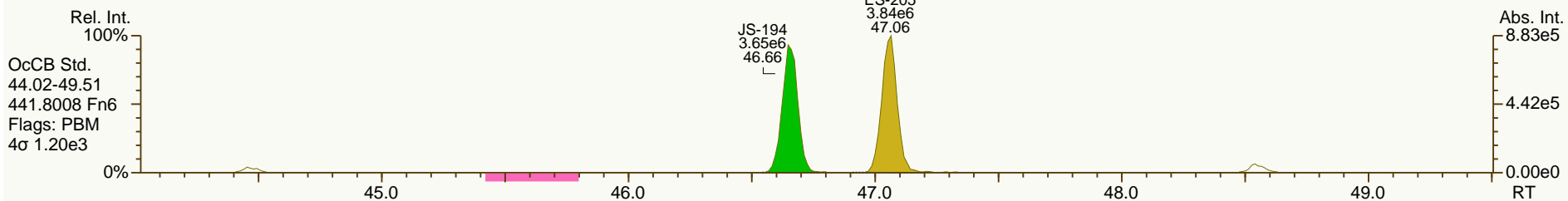
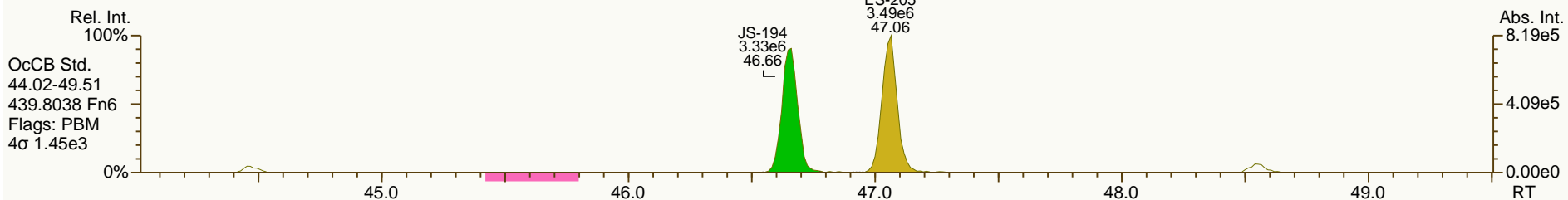
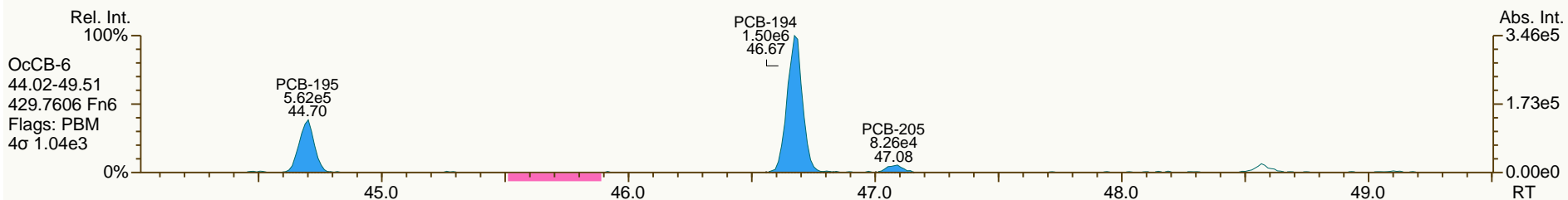
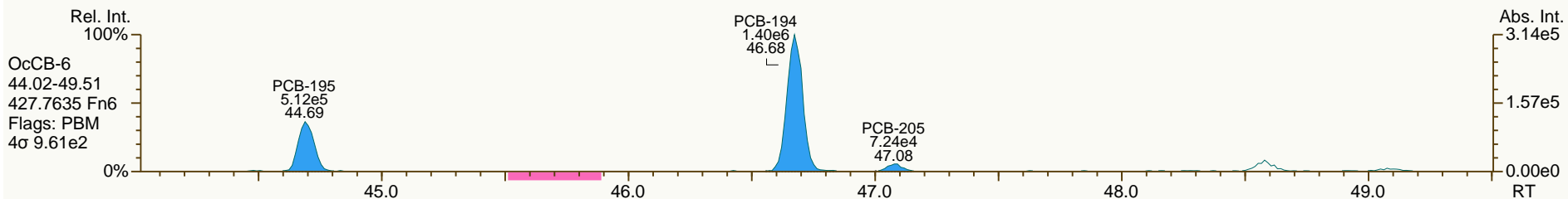
Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

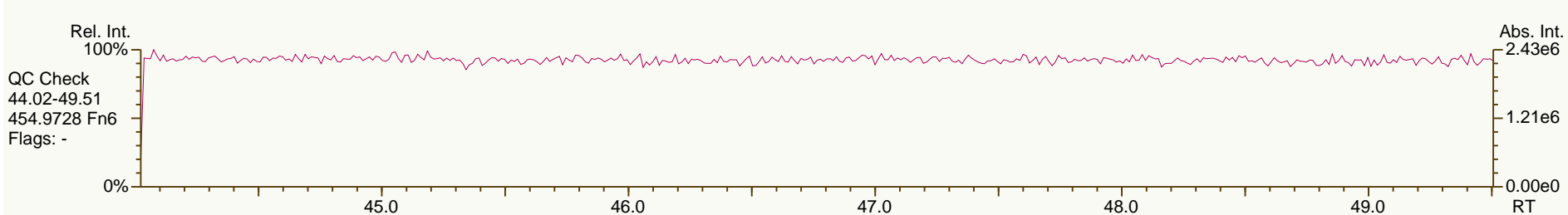
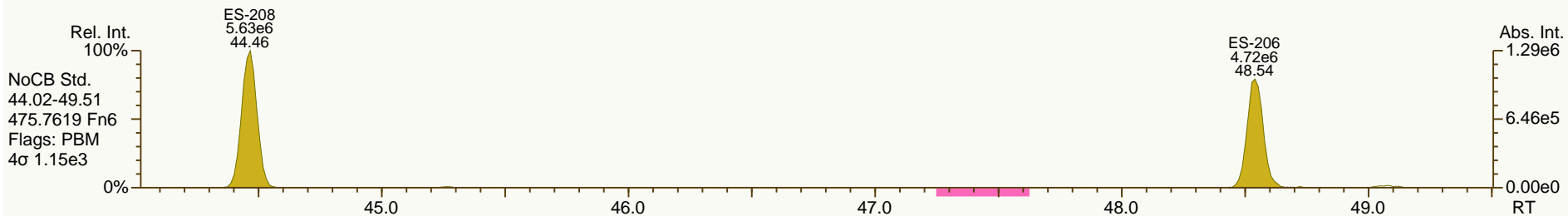
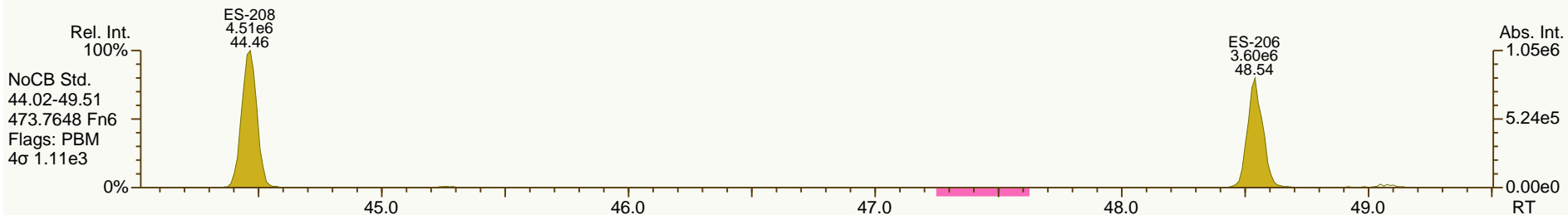
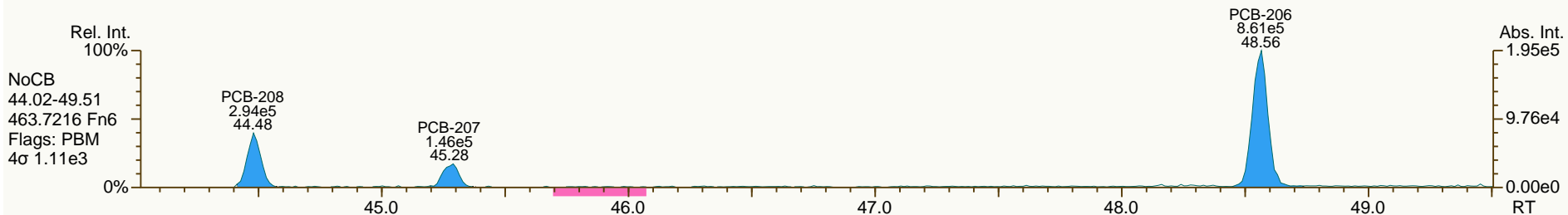
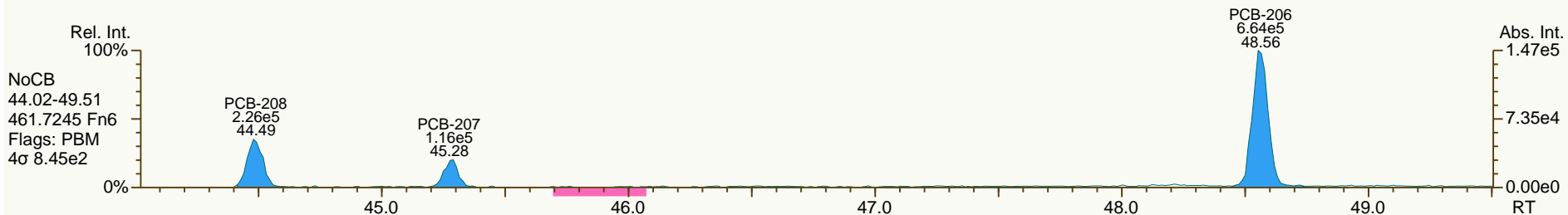
Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS-AP ID: A5941_11356_PCB_007
 Instr: AutoSpec-Premier MM6

Sample ID: JW-BL-306-130919
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 51

Acq: 02-Oct-2013 20:57:02
 User: JLJ Datafile: 131002V19



SGS Analytical Perspectives — Run Log

Project: A5941_11356_PCB

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
1	131002V09	3	CS3_131002_PCB_VB	1.00	SIL 13-40-3 ✓	JLJ	825-357	02-Oct-2013	11:44:54
2	131002V10	43	OPR1_11356_PCB	1.00	0_11356_OPR001	JLJ	701-314	02-Oct-2013	12:39:31
3	131002V11	2	SBS_131002_PCB_VB	1.00	SIL 9-41-1 ✓	JLJ	718-474	02-Oct-2013	13:34:47
4	131002V12	44	MB1_11356_PCB_SDS	10.00	Method Blank ✓	JLJ	707-211	02-Oct-2013	14:30:05
5	131002V13	45	A5941_11356_PCB_001	10.01	JW-302-130919	JLJ	128-706	02-Oct-2013	15:25:22
6	131002V14	46	A5941_11356_PCB_002	10.01	JW-301-130919	JLJ	380-307	02-Oct-2013	16:20:38
7	131002V15	47	A5941_11356_PCB_003	10.00	JW-BL-307-130919 ✓	JLJ	510-841	02-Oct-2013	17:15:55
8	131002V16	48	A5941_11356_PCB_004	10.01	JW-BL-303-130919	JLJ	709-812	02-Oct-2013	18:11:11
9	131002V17	49	A5941_11356_PCB_005	10.01	JW-BL-305-130919	JLJ	563-262	02-Oct-2013	19:06:28
10	131002V18	50	A5941_11356_PCB_006	10.02	JW-BL-304-130919	JLJ	385-222	02-Oct-2013	20:01:47
11	131002V19	51	A5941_11356_PCB_007	10.03	JW-BL-306-130919	JLJ	753-894	02-Oct-2013	20:57:02

REVIEWED*By Jerry Jones at 4:01 pm, Oct 14, 2013***REVIEWED***By Amber Kornegay at 11:17 am, Oct 15, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB						
Acquired:	02-OCT-2013 11:44		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	131002V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	31.82	1.29E+07	0.77 Y	1.37	1.28	-6.8%	
PCB-81 344'5'-TeCB	31.34	1.27E+07	0.77 Y	1.20	1.13	-6.3%	
PCB-105 233'44'-PeCB	34.81	1.01E+07	0.62 Y	0.97	0.96	-1.2%	
PCB-114 2344'5'-PeCB	34.26	1.12E+07	0.61 Y	1.06	1.04	-1.8%	
PCB-118 23'44'5'-PeCB	33.81	1.08E+07	0.61 Y	1.00	1.00	0.1%	
PCB-123 23'44'5'-PeCB	33.52	1.03E+07	0.61 Y	1.08	0.98	-8.8%	
PCB-126 33'44'5'-PeCB	37.44	9.79E+06	0.63 Y	1.08	1.05	-3.5%	
PCB-156/157 ...-HxCB	40.00	1.96E+07	1.22 Y	1.07	1.03	-3.6%	
PCB-167 23'44'55'-HxCB	39.02	1.10E+07	1.25 Y	1.11	1.07	-4.1%	
PCB-169 33'44'55'-HxCB	42.75	9.20E+06	1.25 Y	1.15	1.07	-6.6%	
PCB-189 233'44'55'-HpCB	44.89	1.03E+07	1.04 Y	1.10	1.02	-7.1%	
PCB-209 DeCB	49.93	7.95E+06	1.16 Y	1.04	1.02	-1.4%	
ES PCB-1	11.19	2.98E+07	3.18 Y	0.95	0.94	-0.9%	
ES PCB-3	13.38	2.85E+07	3.23 Y	0.85	0.90	5.1%	
ES PCB-4	13.62	2.67E+07	1.54 Y	0.67	0.84	25.8%	
ES PCB-15	19.20	3.38E+07	1.61 Y	0.94	1.06	13.3%	
ES PCB-19	16.61	2.12E+07	1.04 Y	0.54	0.67	22.7%	
ES PCB-37	25.47	2.38E+07	1.12 Y	1.08	1.02	-5.0%	
ES PCB-54	19.47	2.73E+07	0.78 Y	1.27	1.17	-8.1%	
ES PCB-77	31.80	2.03E+07	0.78 Y	0.84	0.87	3.5%	
ES PCB-81	31.32	2.26E+07	0.80 Y	0.98	0.97	-1.3%	
ES PCB-104	24.40	2.73E+07	1.55 Y	1.69	1.62	-3.9%	
ES PCB-105	34.79	2.09E+07	1.57 Y	1.08	1.24	15.3%	
ES PCB-114	34.24	2.15E+07	1.64 Y	1.11	1.28	15.3%	
ES PCB-118	33.78	2.15E+07	1.50 Y	1.13	1.27	13.1%	
ES PCB-123	33.50	2.11E+07	1.53 Y	1.10	1.25	13.4%	
ES PCB-126	37.42	1.87E+07	1.61 Y	1.17	1.11	-5.4%	
ES PCB-153	35.38	2.12E+07	1.32 Y	1.19	1.23	3.4%	
ES PCB-155	29.35	2.74E+07	1.24 Y	1.80	1.59	-11.6%	
ES PCB-156/157	39.98	3.81E+07	1.26 Y	1.13	1.11	-1.8%	
ES PCB-167	38.99	2.06E+07	1.27 Y	1.20	1.20	-0.2%	
ES PCB-169	42.73	1.71E+07	1.21 Y	1.00	1.00	0.0%	
ES PCB-170	42.23	1.81E+07	1.06 Y	1.24	1.45	17.0%	
ES PCB-180	41.15	2.18E+07	1.05 Y	1.51	1.75	16.1%	
ES PCB-188	34.24	3.18E+07	1.02 Y	2.06	1.85	-10.2%	
ES PCB-189	44.87	2.01E+07	1.06 Y	1.78	1.61	-9.5%	
ES PCB-202	38.80	2.84E+07	0.91 Y	1.66	1.65	-0.3%	
ES PCB-205	47.06	1.49E+07	0.90 Y	1.22	1.20	-1.6%	
ES PCB-206	48.54	1.63E+07	0.78 Y	1.23	1.31	6.3%	
ES PCB-208	44.47	2.07E+07	0.76 Y	1.60	1.67	3.9%	
ES PCB-209	49.91	1.55E+07	1.12 Y	1.31	1.25	-4.7%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	21.94	2.61E+07	1.07 Y	1.25	1.10	-12.6%	
SS PCB-111	31.82	2.22E+07	1.50 Y	1.15	1.05	-8.5%	
SS PCB-178	36.82	1.87E+07	0.99 Y	0.54	0.59	9.5%	
CS PCB-28	21.94	2.61E+07	1.07 Y	1.34	1.12	-16.7%	
CS PCB-111	31.82	2.22E+07	1.50 Y	1.27	1.32	3.9%	
CS PCB-178	36.82	1.87E+07	0.99 Y	1.11	1.09	-1.5%	
JS PCB-9	15.54	3.18E+07	1.60 Y		-	-	
JS PCB-52	23.55	2.33E+07	0.77 Y		-	-	
JS PCB-101	29.52	1.69E+07	1.54 Y		-	-	
JS PCB-138	36.44	1.72E+07	1.27 Y		-	-	
JS PCB-194	46.66	1.24E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.20	1.68E+07	2.97 Y	1.19	1.13	-5.5%	
PCB-3 4-MoCB	13.39	1.66E+07	3.00 Y	1.24	1.17	-6.0%	
PCB-4 22'-DiCB	13.63	1.17E+07	1.52 Y	0.88	0.88	-0.6%	
PCB-15 44'-DiCB	19.21	1.60E+07	1.51 Y	1.01	0.94	-6.7%	
PCB-19 22'6'-TrCB	16.63	9.21E+06	1.01 Y	0.92	0.87	-5.9%	
PCB-37 344'-TrCB	25.49	1.53E+07	1.00 Y	1.35	1.29	-4.9%	
PCB-54 22'66'-TeCB	19.49	1.47E+07	0.78 Y	1.08	1.08	0.1%	
PCB-104 22'466'-PeCB	24.42	1.58E+07	0.64 Y	1.12	1.16	3.3%	
PCB-155 22'44'66'-HxCB	29.37	1.59E+07	1.24 Y	1.21	1.16	-3.8%	
PCB-188 22'34'566'-HpCB	34.26	1.46E+07	1.05 Y	0.91	0.92	1.2%	
PCB-202 22'33'55'66'-OcCB	38.82	1.24E+07	0.91 Y	0.86	0.87	1.4%	
PCB-205 233'44'55'6'-OcCB	47.08	7.84E+06	0.90 Y	1.09	1.05	-3.4%	
PCB-208 22'33'455'66'-NoCB	44.49	9.94E+06	0.75 Y	1.00	0.96	-3.9%	
PCB-206 22'33'44'55'6'-NoCB	48.56	6.83E+06	0.76 Y	0.85	0.84	-1.8%	

PCB QC Summary - Ax2 Detail				Processed: 14-Oct-2013 15:36			
Lab ID:	CS3_131002_PCB_VB			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.20	1.68E+07	2.97 Y	1.19	-	-	
PCB-2 3-MoCB	13.22	1.69E+07	3.02 Y	1.25	1.19	-5.5%	
PCB-3 4-MoCB	13.39	1.66E+07	3.00 Y	1.24	-	-	
PCB-4 22'-DiCB	13.63	1.17E+07	1.52 Y	0.88	-	-	
PCB-10 26-DiCB	13.81	1.83E+07	1.53 Y	1.40	1.38	-2.0%	
PCB-9 25-DiCB	15.56	1.44E+07	1.51 Y	0.98	0.85	-13.2%	
PCB-7 24-DiCB	15.72	1.61E+07	1.48 Y	1.12	0.95	-15.0%	
PCB-6 23'-DiCB	15.94	1.52E+07	1.50 Y	1.04	0.90	-13.6%	
PCB-5 23-DiCB	16.23	1.54E+07	1.51 Y	1.05	0.91	-13.1%	
PCB-8 24'-DiCB	16.35	1.58E+07	1.51 Y	1.10	0.94	-14.6%	
PCB-14 35-DiCB	17.88	1.85E+07	1.51 Y	1.24	1.09	-12.0%	
PCB-11 33'-DiCB	18.65	1.53E+07	1.54 Y	1.01	0.91	-10.3%	
PCB-13/12 34'/34'-DiCB	18.93	3.09E+07	1.51 Y	0.99	0.91	-7.5%	
PCB-15 44'-DiCB	19.21	1.60E+07	1.51 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.63	9.21E+06	1.01 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.36	2.49E+07	1.02 Y	1.20	1.18	-2.4%	
PCB-17 22'4-TrCB	18.75	1.08E+07	1.02 Y	1.04	1.02	-1.1%	
PCB-27 23'6-TrCB	18.95	1.43E+07	1.04 Y	1.42	1.35	-5.0%	
PCB-24 236-TrCB	19.08	1.41E+07	1.02 Y	1.35	1.33	-1.6%	
PCB-16 22'3-TrCB	19.17	8.02E+06	1.06 Y	0.77	0.76	-1.7%	
PCB-32 24'6-TrCB	19.64	1.55E+07	1.02 Y	1.52	1.46	-3.8%	
PCB-34 23'5'-TrCB	20.79	1.61E+07	1.03 Y	1.64	1.35	-17.6%	
PCB-23 235-TrCB	20.93	1.65E+07	1.02 Y	1.65	1.39	-16.1%	
PCB-26/29 23'5/245-TrCB	21.22	3.25E+07	1.03 Y	1.65	1.37	-17.3%	
PCB-25 23'4-TrCB	21.41	1.70E+07	1.05 Y	1.64	1.43	-13.1%	
PCB-31 24'5-TrCB	21.69	1.71E+07	1.01 Y	1.71	1.44	-15.9%	
PCB-28/20 244'/233'-TrCB	21.97	3.16E+07	1.03 Y	1.60	1.33	-16.9%	
PCB-21/33 234/23'4'-TrCB	22.14	3.30E+07	1.02 Y	1.64	1.39	-15.7%	
PCB-22 234'-TrCB	22.52	1.53E+07	1.03 Y	1.49	1.29	-13.6%	
PCB-36 33'5-TrCB	23.90	1.64E+07	1.03 Y	1.57	1.37	-12.4%	
PCB-39 34'5-TrCB	24.21	1.70E+07	1.02 Y	1.61	1.43	-11.4%	
PCB-38 345-TrCB	24.74	1.52E+07	1.02 Y	1.48	1.28	-13.2%	
PCB-35 33'4-TrCB	25.13	1.43E+07	1.01 Y	1.30	1.20	-7.8%	
PCB-37 344'-TrCB	25.49	1.53E+07	1.00 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.49	1.47E+07	0.78 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.46	2.10E+07	0.77 Y	0.98	0.93	-5.1%	
PCB-45 22'36'-TeCB	22.03	8.91E+06	0.77 Y	0.85	0.79	-7.5%	
PCB-51 22'46'-TeCB	22.11	1.10E+07	0.78 Y	0.98	0.97	-0.8%	
PCB-46 22'36'-TeCB	22.31	8.76E+06	0.79 Y	0.79	0.78	-2.1%	
PCB-52 22'55'-TeCB	23.57	1.02E+07	0.76 Y	0.94	0.91	-3.3%	
PCB-73 23'5'6'-TeCB	23.70	1.29E+07	0.77 Y	1.23	1.14	-7.1%	

Lab ID: - Ax2 Detail				Processed: 14-Oct-2013 15:36		
Lab ID:	CS3_131002_PCB_VB	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	02-OCT-2013 11:44					
Datafile:	131002V09					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	23.79	9.33E+06	0.78 Y	0.78	0.83	5.7%
PCB-69/49 23'46/22'45'-TeCB	23.99	2.47E+07	0.78 Y	1.12	1.09	-2.1%
PCB-48 22'45'-TeCB	24.26	1.02E+07	0.77 Y	0.95	0.91	-4.2%
PCB-44/47/65 ...-TeCB	24.48	3.29E+07	0.76 Y	1.00	0.97	-2.5%
PCB-59/62/75 ...-TeCB	24.75	4.14E+07	0.77 Y	1.25	1.22	-2.2%
PCB-42 22'34'-TeCB	24.91	9.77E+06	0.77 Y	0.83	0.87	4.0%
PCB-41 22'34'-TeCB	25.25	8.66E+06	0.78 Y	0.75	0.77	1.7%
PCB-71/40 23'4'6/22'33'-TeCB	25.34	2.10E+07	0.77 Y	0.94	0.93	-1.4%
PCB-64 23'4'-TeCB	25.54	1.49E+07	0.78 Y	1.31	1.32	0.3%
PCB-72 23'55'-TeCB	26.27	1.25E+07	0.76 Y	1.35	1.10	-18.0%
PCB-68 23'45'-TeCB	26.52	1.50E+07	0.74 Y	1.51	1.33	-11.9%
PCB-57 23'3'5'-TeCB	26.89	1.35E+07	0.77 Y	1.34	1.19	-11.1%
PCB-58 23'3'5'-TeCB	27.09	1.39E+07	0.76 Y	1.41	1.23	-13.0%
PCB-67 23'45'-TeCB	27.25	1.46E+07	0.75 Y	1.42	1.29	-8.9%
PCB-63 23'4'5'-TeCB	27.47	1.51E+07	0.78 Y	1.52	1.34	-12.2%
PCB-61/70/74/76 ...-TeCB	27.76	5.55E+07	0.76 Y	1.36	1.23	-9.8%
PCB-66 23'44'-TeCB	28.05	1.30E+07	0.75 Y	1.28	1.16	-9.3%
PCB-55 23'3'4'-TeCB	28.19	1.32E+07	0.76 Y	1.24	1.17	-5.3%
PCB-56 23'3'4'-TeCB	28.62	1.30E+07	0.77 Y	1.22	1.15	-5.2%
PCB-60 23'44'-TeCB	28.81	1.33E+07	0.77 Y	1.27	1.18	-7.5%
PCB-80 33'55'-TeCB	29.16	1.55E+07	0.77 Y	1.45	1.38	-5.1%
PCB-79 33'45'-TeCB	30.48	1.52E+07	0.76 Y	1.45	1.35	-7.3%
PCB-78 33'45'-TeCB	30.96	1.22E+07	0.77 Y	1.10	1.08	-1.7%
PCB-104 22'46'6'-PeCB	24.42	1.58E+07	0.64 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	24.73	1.33E+07	0.62 Y	0.95	0.97	2.0%
PCB-103 22'45'6'-PeCB	26.43	8.50E+06	0.61 Y	0.99	0.81	-18.7%
PCB-94 22'35'6'-PeCB	26.62	7.27E+06	0.61 Y	0.85	0.69	-18.8%
PCB-95 22'35'6'-PeCB	27.00	7.83E+06	0.63 Y	0.92	0.74	-18.9%
PCB-100/93 22'44'6/22'35'6'-PeC	27.21	1.59E+07	0.61 Y	0.92	0.75	-18.3%
PCB-102 22'45'6'-PeCB	27.32	9.02E+06	0.59 Y	1.03	0.86	-16.5%
PCB-98 22'34'6'-PeCB	27.39	7.16E+06	0.61 Y	0.81	0.68	-15.6%
PCB-88 22'34'6'-PeCB	27.69	7.23E+06	0.60 Y	0.74	0.69	-7.6%
PCB-91 22'34'6'-PeCB	27.75	9.12E+06	0.63 Y	1.06	0.87	-18.6%
PCB-84 22'33'6'-PeCB	27.94	6.77E+06	0.61 Y	0.77	0.64	-16.5%
PCB-89 22'34'6'-PeCB	28.36	7.32E+06	0.60 Y	0.82	0.70	-14.9%
PCB-121 23'45'6'-PeCB	28.72	1.13E+07	0.62 Y	1.21	1.07	-11.9%
PCB-92 22'35'5'-PeCB	29.04	7.71E+06	0.61 Y	0.84	0.73	-12.3%
PCB-113/90/101 ...-PeCB	29.52	2.75E+07	0.61 Y	1.00	0.87	-12.4%
PCB-83 22'33'5'-PeCB	29.95	6.82E+06	0.61 Y	0.71	0.65	-8.2%

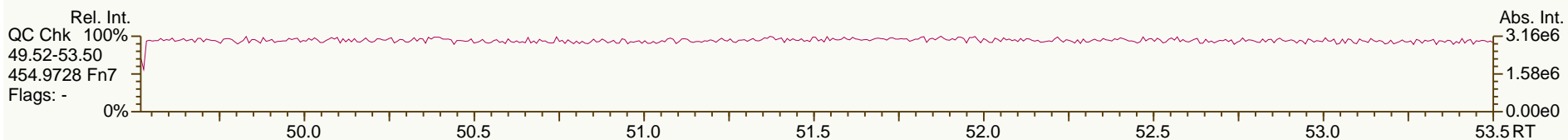
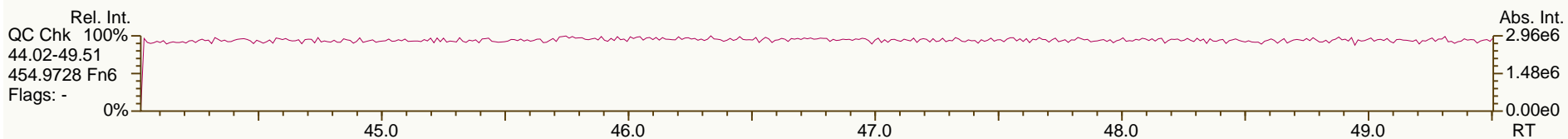
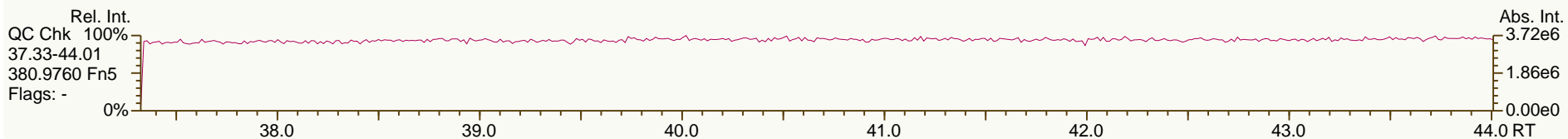
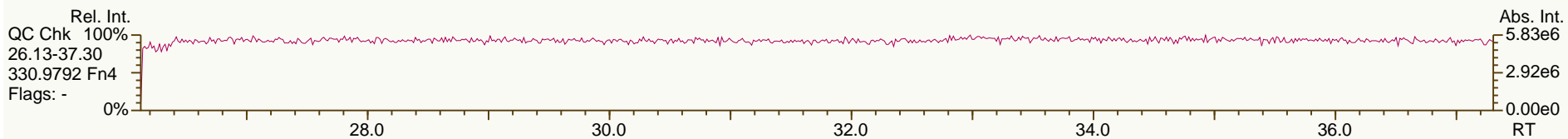
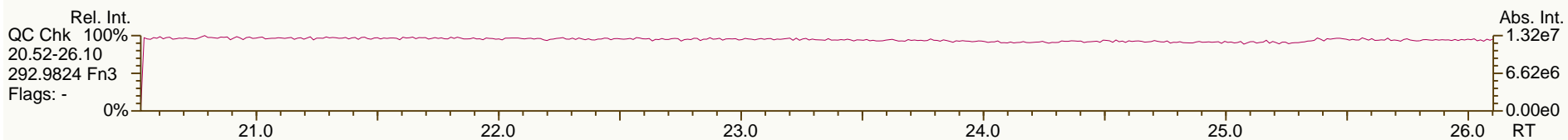
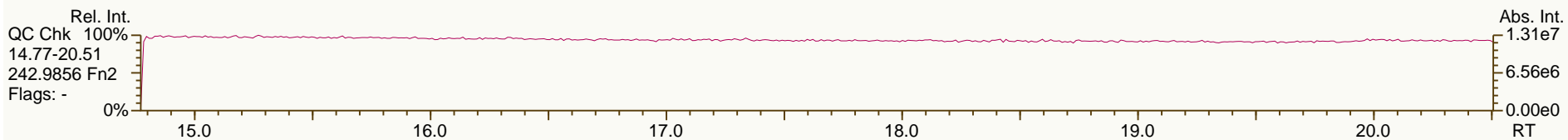
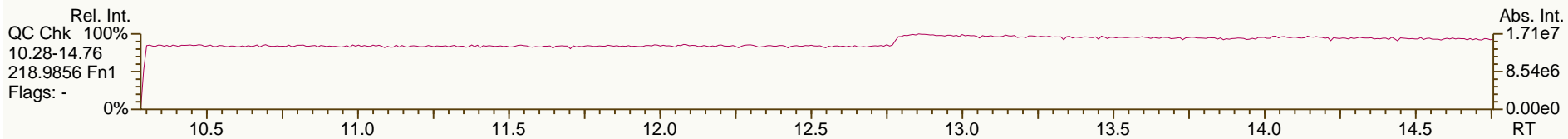
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Lab ID:	CS3_131002_PCB_VB			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.05	8.23E+06	0.61 Y	0.90	0.78		-13.3%
PCB-112 233'56-PeCB	30.15	1.05E+07	0.62 Y	1.13	1.00		-11.6%
PCB-108/119/86/97/125...-PeCB	30.49	5.47E+07	0.62 Y	0.99	0.87		-12.7%
PCB-117 234'56-PeCB	31.03	1.06E+07	0.61 Y	1.10	1.00		-8.8%
PCB-116/85 23456/22'344'-PeCB	31.11	1.71E+07	0.61 Y	0.95	0.81		-14.7%
PCB-110 233'46-PeCB	31.23	1.07E+07	0.62 Y	1.05	1.01		-3.6%
PCB-115 2344'6-PeCB	31.32	1.02E+07	0.61 Y	1.13	0.97		-14.3%
PCB-82 22'33'4-PeCB	31.51	6.60E+06	0.61 Y	0.69	0.63		-8.9%
PCB-111 233'55'-PeCB	31.85	1.13E+07	0.60 Y	1.17	1.07		-8.1%
PCB-120 23'455'-PeCB	32.24	1.13E+07	0.62 Y	1.11	1.07		-3.3%
PCB-107/124 ...-PeCB	33.21	2.01E+07	0.61 Y	0.99	0.95		-3.8%
PCB-109 233'46-PeCB	33.42	1.16E+07	0.60 Y	1.07	1.10		2.9%
PCB-106 233'45-PeCB	33.63	1.06E+07	0.61 Y	0.98	1.01		2.4%
PCB-122 233'4'5'-PeCB	34.09	9.52E+06	0.62 Y	0.87	0.88		2.1%
PCB-127 33'455'-PeCB	36.06	1.02E+07	0.62 Y	0.91	0.97		6.3%
PCB-155 22'44'66'-HxCB	29.37	1.59E+07	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.52	1.50E+07	1.24 Y	1.12	1.09		-2.3%
PCB-150 22'34'66'-HxCB	29.67	1.50E+07	1.25 Y	1.11	1.09		-1.8%
PCB-136 22'33'66'-HxCB	29.97	1.35E+07	1.26 Y	1.04	0.98		-5.2%
PCB-145 22'3466'-HxCB	30.24	1.40E+07	1.26 Y	1.05	1.02		-2.4%
PCB-148 22'34'56'-HxCB	31.53	1.09E+07	1.25 Y	1.15	1.03		-11.2%
PCB-151/135 ...-HxCB	32.05	2.11E+07	1.26 Y	1.11	1.00		-10.4%
PCB-154 22'44'56'-HxCB	32.26	1.21E+07	1.24 Y	1.29	1.14		-11.4%
PCB-144 22'345'6-HxCB	32.52	1.09E+07	1.23 Y	1.12	1.03		-8.1%
PCB-147/149 ...-HxCB	32.82	2.23E+07	1.25 Y	1.15	1.05		-8.2%
PCB-134 22'33'56-HxCB	32.99	8.19E+06	1.25 Y	0.88	0.77		-12.2%
PCB-143 22'3456'-HxCB	33.07	1.12E+07	1.25 Y	1.10	1.06		-3.7%
PCB-139/140 ...-HxCB	33.34	2.23E+07	1.24 Y	1.15	1.05		-8.5%
PCB-131 22'33'46-HxCB	33.51	9.60E+06	1.28 Y	0.96	0.91		-5.5%
PCB-142 22'3456-HxCB	33.65	9.66E+06	1.24 Y	0.94	0.91		-3.3%
PCB-132 22'33'46'-HxCB	33.89	9.85E+06	1.23 Y	0.98	0.93		-4.8%
PCB-133 22'33'55'-HxCB	34.31	1.03E+07	1.22 Y	1.03	0.98		-4.9%
PCB-165 233'55'6-HxCB	34.66	1.27E+07	1.23 Y	1.25	1.20		-4.0%
PCB-146 22'34'55'-HxCB	34.87	1.15E+07	1.23 Y	1.11	1.09		-2.3%
PCB-161 233'45'6-HxCB	34.99	1.44E+07	1.28 Y	1.34	1.36		1.0%
PCB-153/168 ...-HxCB	35.42	2.80E+07	1.23 Y	1.33	1.32		-0.8%
PCB-141 22'3455'-HxCB	35.56	1.08E+07	1.24 Y	0.98	1.02		4.7%
PCB-130 22'33'45'-HxCB	35.90	9.45E+06	1.24 Y	0.85	0.89		5.6%
PCB-137 22'344'5-HxCB	36.10	1.16E+07	1.21 Y	1.02	1.09		6.8%
PCB-164 233'4'5'6-HxCB	36.19	1.35E+07	1.25 Y	1.35	1.28		-5.0%
PCB-163/138/129 ...-HxCB	36.48	3.38E+07	1.26 Y	1.08	1.06		-1.8%

Lab ID: - Ax2 Detail				Processed: 14-Oct-2013 15:36			
Lab ID:	CS3_131002_PCB_VB	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	02-OCT-2013 11:44						
Datafile:	131002V09						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	36.61	1.26E+07	1.24 Y	1.22	1.19	-2.0%	
PCB-158 233'44'6-HxCB	36.80	1.45E+07	1.26 Y	1.36	1.37	0.9%	
PCB-128/166 ...-HxCB	37.53	1.78E+07	1.22 Y	0.96	0.86	-9.6%	
PCB-159 233'455'-HxCB	38.36	1.06E+07	1.22 Y	1.08	1.03	-4.7%	
PCB-162 233'4'55'-HxCB	38.61	1.06E+07	1.21 Y	1.05	1.03	-2.4%	
PCB-188 22'34'566'-HpCB	34.26	1.46E+07	1.05 Y	0.91	-	-	
PCB-179 22'33'566'-HpCB	34.54	1.38E+07	1.03 Y	0.81	0.87	6.7%	
PCB-184 22'344'66'-HpCB	35.00	1.34E+07	1.02 Y	0.78	0.84	7.5%	
PCB-176 22'33'466'-HpCB	35.29	1.50E+07	1.04 Y	0.86	0.95	9.7%	
PCB-186 22'34566'-HpCB	35.69	1.40E+07	1.02 Y	0.81	0.88	8.4%	
PCB-178 22'33'55'6-HpCB	36.84	1.00E+07	1.04 Y	0.57	0.63	11.1%	
PCB-175 22'33'45'6-HpCB	37.39	9.36E+06	1.06 Y	0.99	0.86	-13.0%	
PCB-187 22'34'55'6-HpCB	37.62	1.06E+07	1.01 Y	1.05	0.97	-7.6%	
PCB-182 22'344'56'-HpCB	37.79	1.10E+07	1.04 Y	1.10	1.01	-8.4%	
PCB-183 22'344'5'6-HpCB	38.14	1.10E+07	1.01 Y	1.14	1.00	-11.6%	
PCB-185 22'3455'6-HpCB	38.22	9.82E+06	1.04 Y	0.99	0.90	-9.4%	
PCB-174 22'33'456'-HpCB	38.33	9.43E+06	1.04 Y	0.90	0.86	-4.3%	
PCB-177 22'33'45'6'-HpCB	38.71	8.93E+06	1.01 Y	0.85	0.82	-3.3%	
PCB-181 22'344'56'-HpCB	39.06	1.04E+07	1.01 Y	0.98	0.96	-2.3%	
PCB-171/173 ...-HpCB	39.24	1.78E+07	1.03 Y	0.87	0.82	-6.2%	
PCB-172 22'33'455'-HpCB	40.61	9.08E+06	1.04 Y	0.87	0.83	-4.2%	
PCB-192 233'455'6-HpCB	40.86	1.19E+07	1.03 Y	1.12	1.09	-2.5%	
PCB-180/193 ...-HpCB	41.14	2.24E+07	1.04 Y	1.08	1.03	-4.6%	
PCB-191 233'44'5'6-HpCB	41.47	1.24E+07	1.06 Y	1.15	1.14	-0.5%	
PCB-170 22'33'44'5-HpCB	42.25	8.65E+06	1.05 Y	0.99	0.96	-3.4%	
PCB-190 233'44'56-HpCB	42.70	1.16E+07	1.05 Y	1.33	1.28	-3.3%	
PCB-202 22'33'55'66'-OcCB	38.82	1.24E+07	0.91 Y	0.86	-	-	
PCB-201 22'33'45'66'-OcCB	39.61	1.37E+07	0.89 Y	0.95	0.97	1.5%	
PCB-204 22'344'566'-OcCB	40.19	1.28E+07	0.88 Y	0.89	0.90	0.7%	
PCB-197 22'33'44'66'-OcCB	40.38	1.42E+07	0.90 Y	0.95	1.00	5.5%	
PCB-200 22'33'4566'-OcCB	40.47	1.25E+07	0.90 Y	0.87	0.88	1.6%	
PCB-198/199 ...-OcCB	42.82	1.88E+07	0.90 Y	0.60	0.66	9.8%	
PCB-196 22'33'44'56'-OcCB	43.40	9.72E+06	0.87 Y	0.63	0.68	8.4%	
PCB-203 22'344'55'6-OcCB	43.57	1.01E+07	0.88 Y	0.64	0.71	11.5%	
PCB-195 22'33'44'56-OcCB	44.70	6.01E+06	0.91 Y	0.82	0.81	-1.1%	
PCB-194 22'33'44'55'-OcCB	46.68	6.48E+06	0.89 Y	0.90	0.87	-2.8%	
PCB-205 233'44'55'6-OcCB	47.08	7.84E+06	0.90 Y	1.09	-	-	
PCB-208 22'33'455'66'-NoCB	44.49	9.94E+06	0.75 Y	1.00	-	-	
PCB-207 22'33'44'566'-NoCB	45.29	1.03E+07	0.77 Y	1.01	0.99	-1.5%	
PCB-206 22'33'44'55'6-NoCB	48.56	6.83E+06	0.76 Y	0.85	-	-	

SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

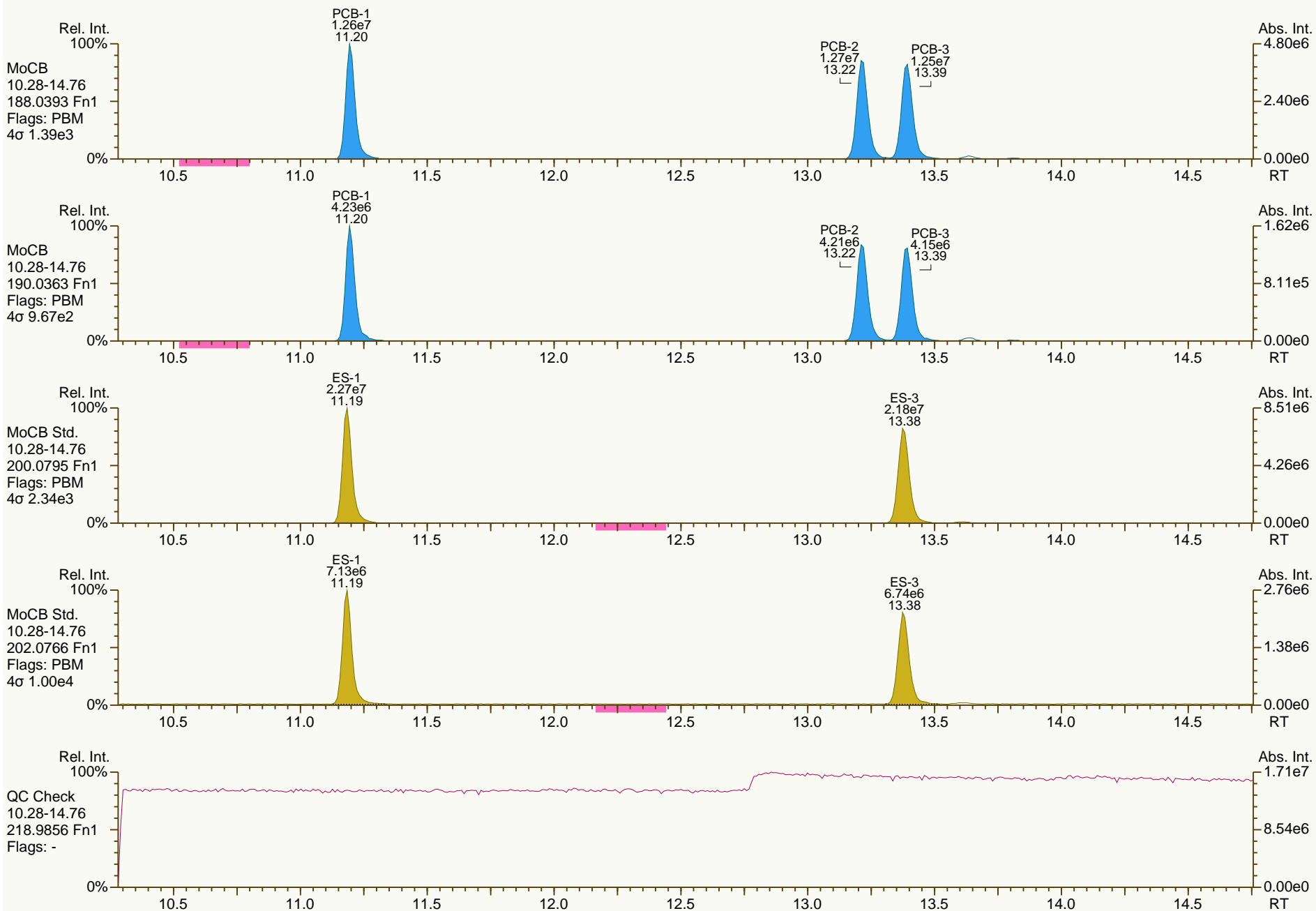
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 User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 02-Oct-2013 11:44:54
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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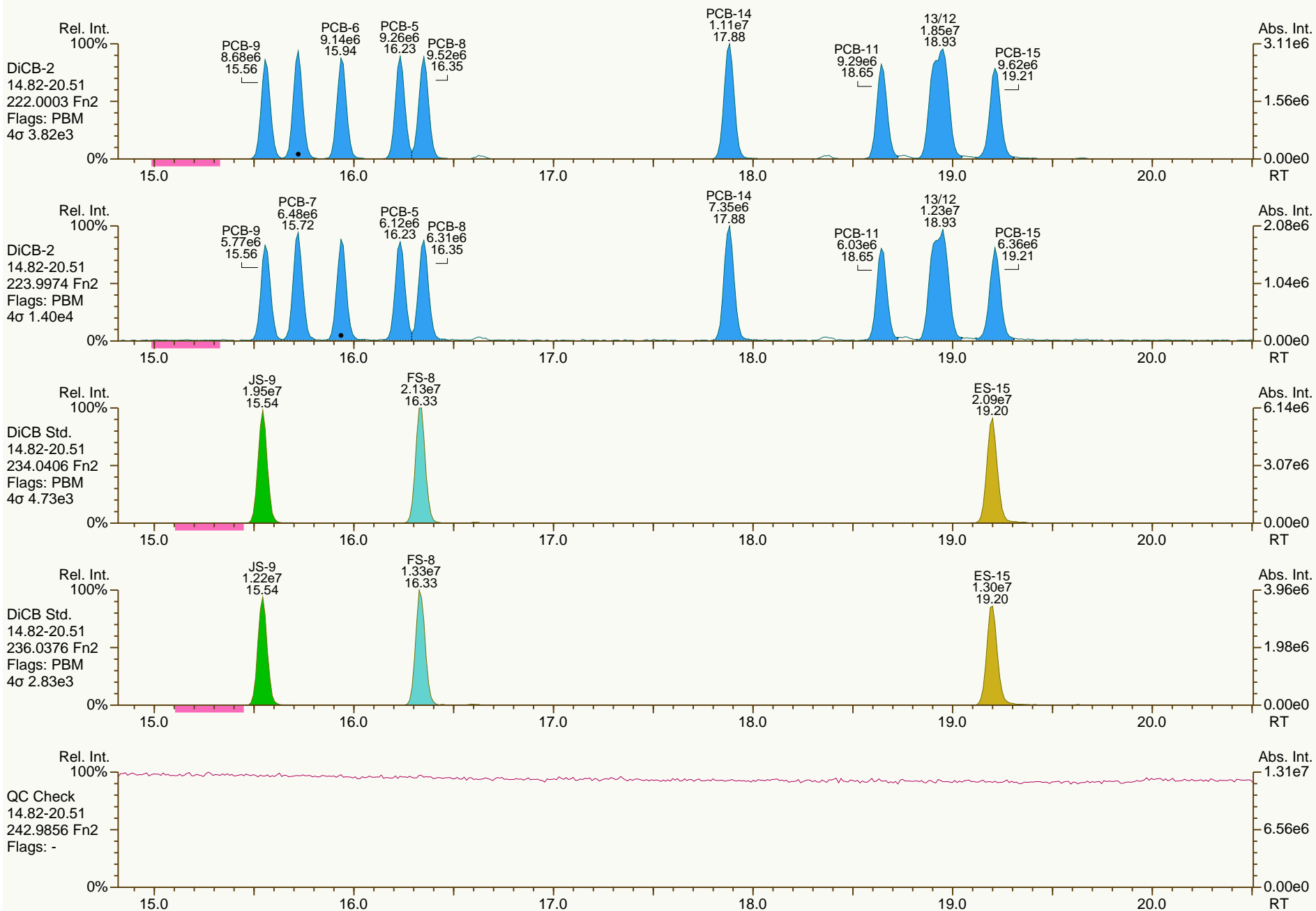
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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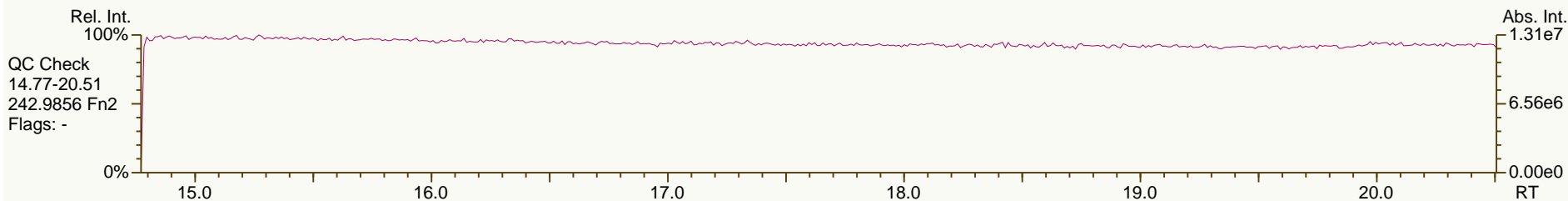
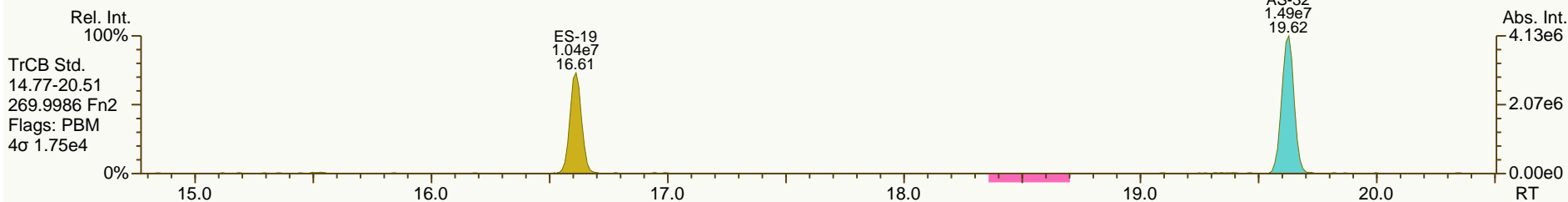
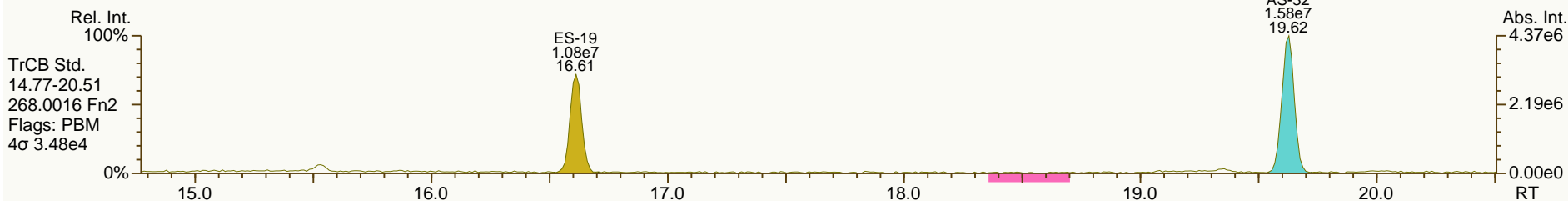
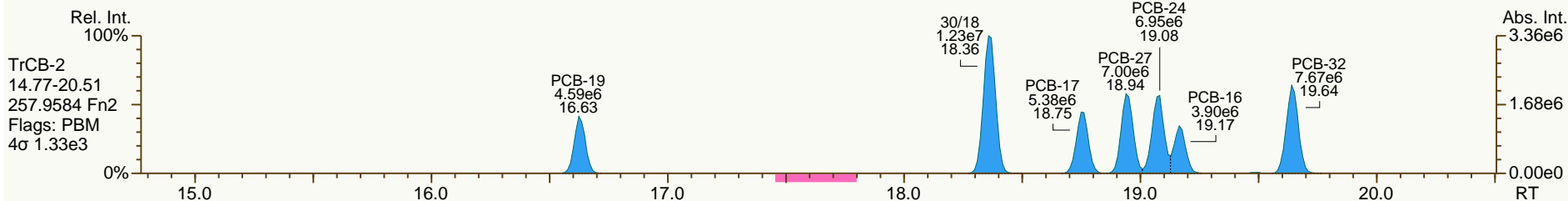
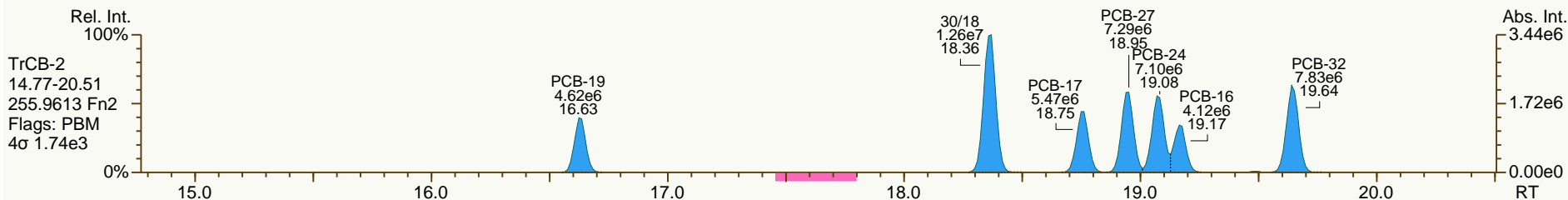
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

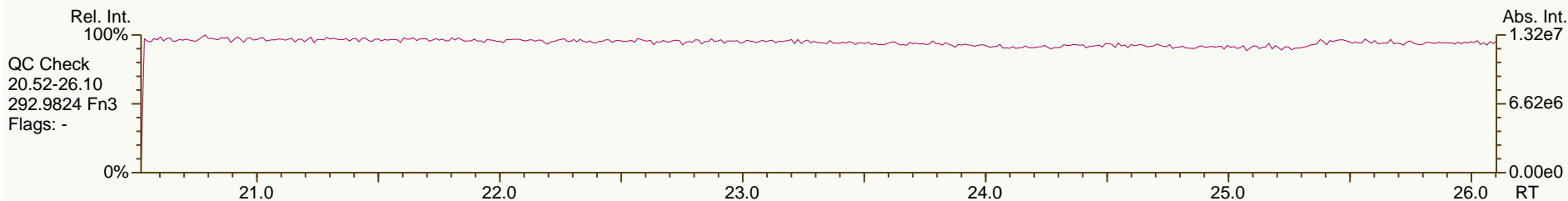
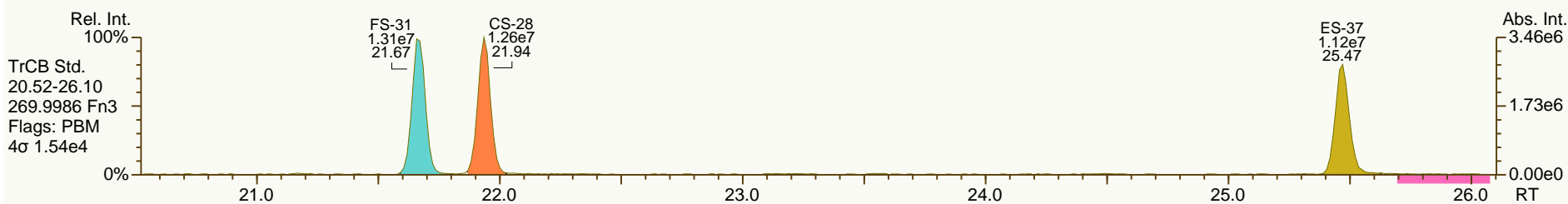
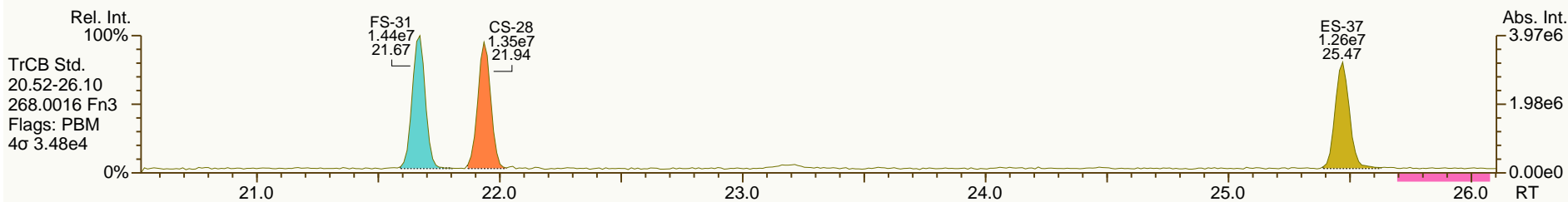
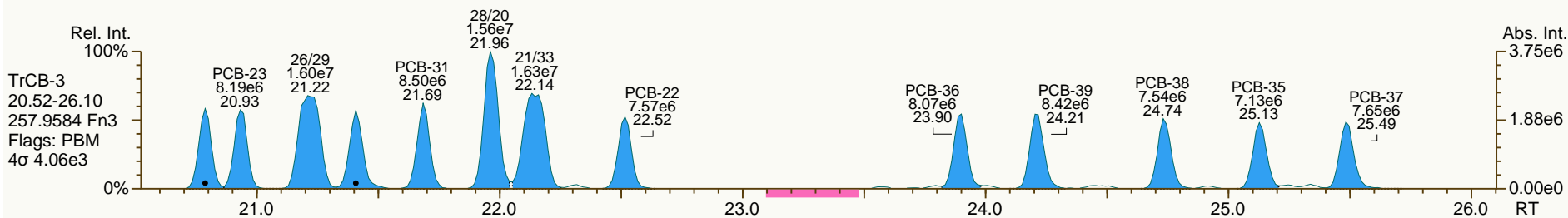
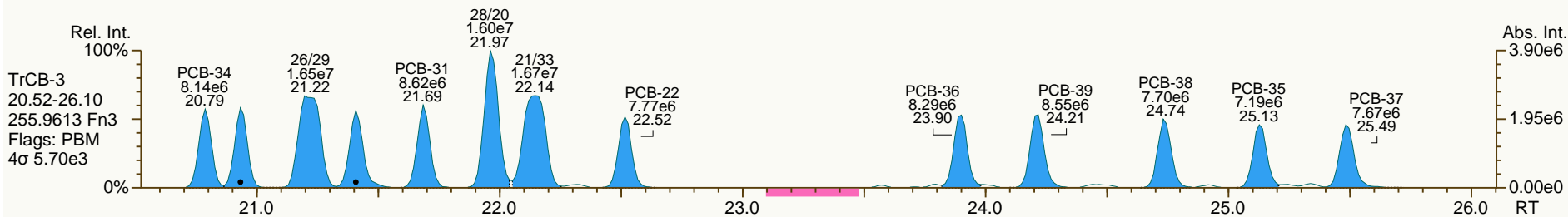
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

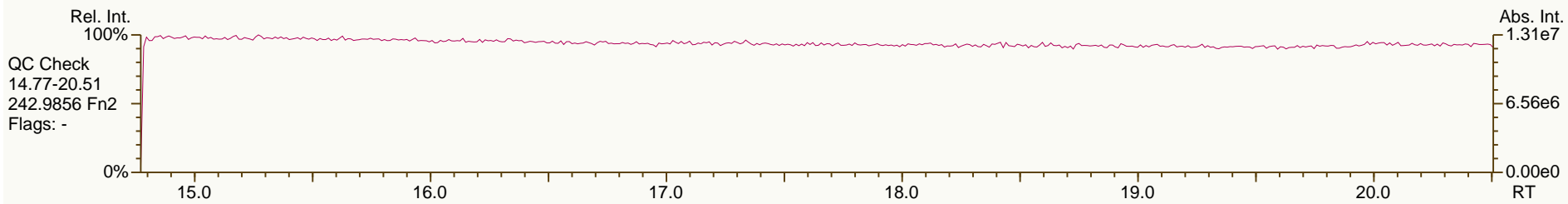
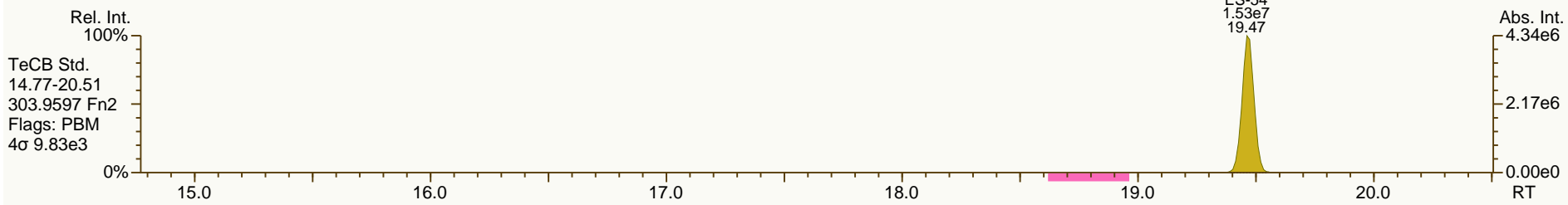
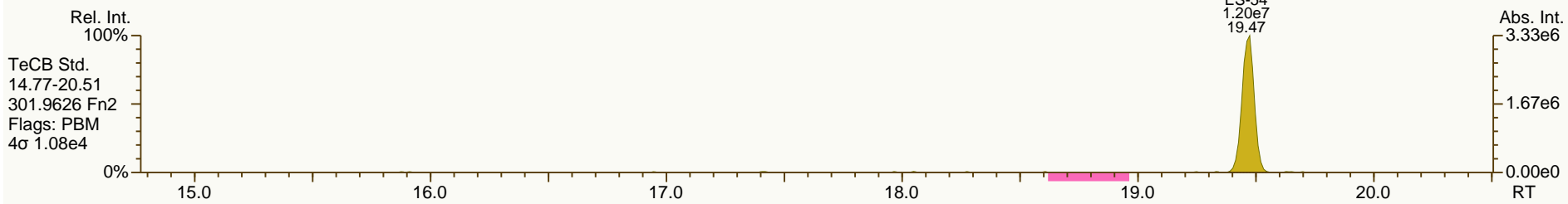
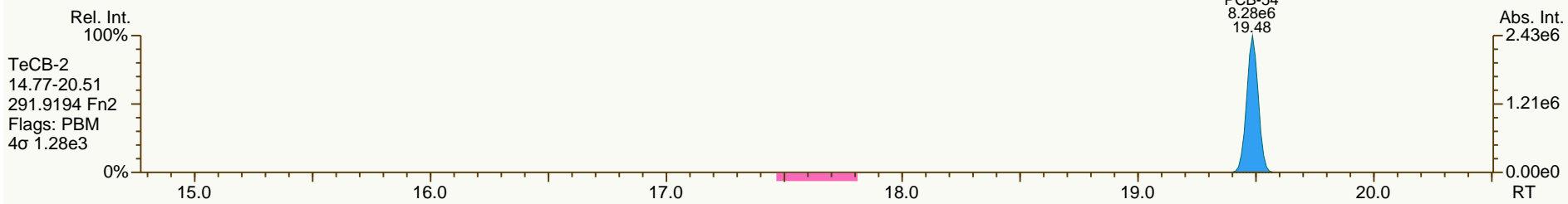
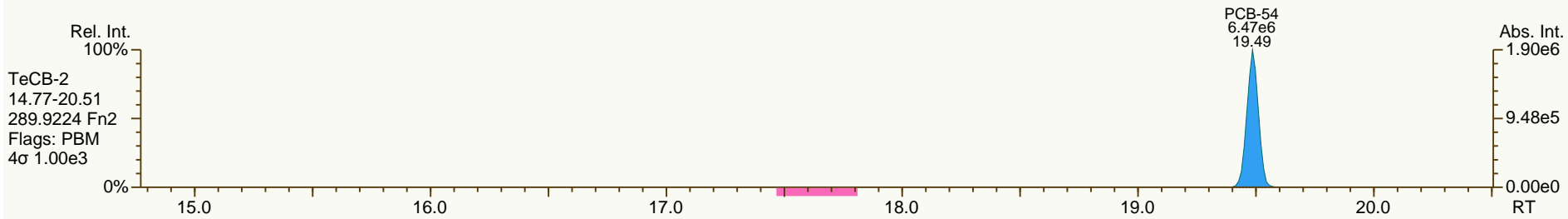
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

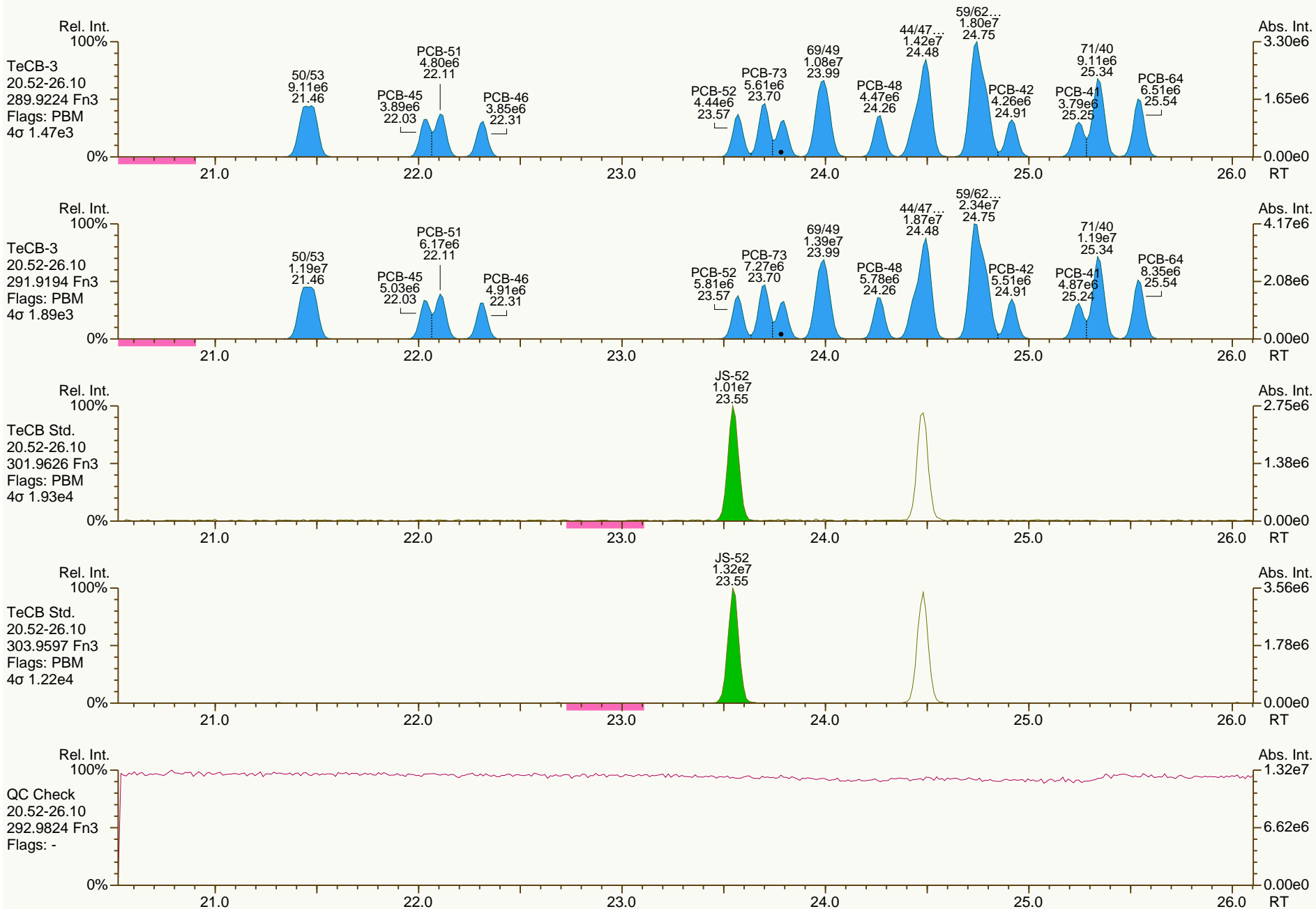
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

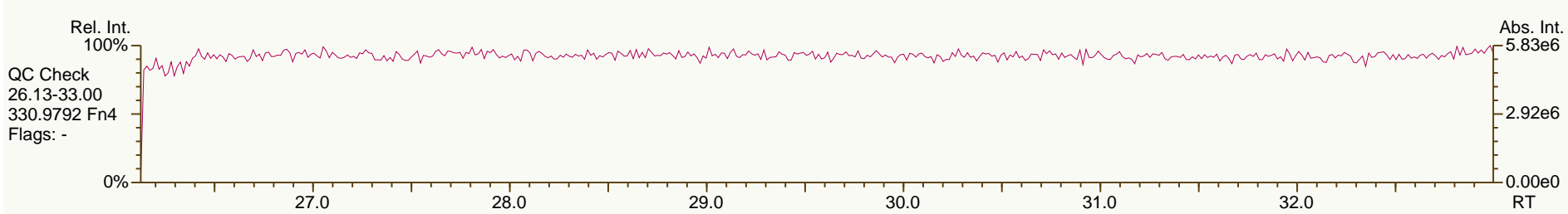
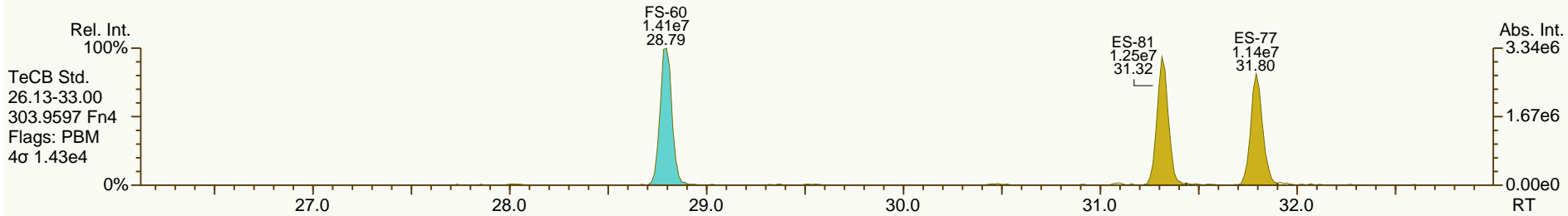
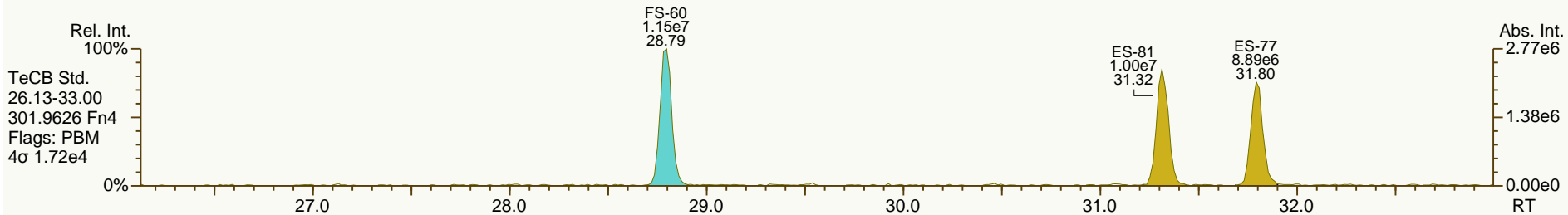
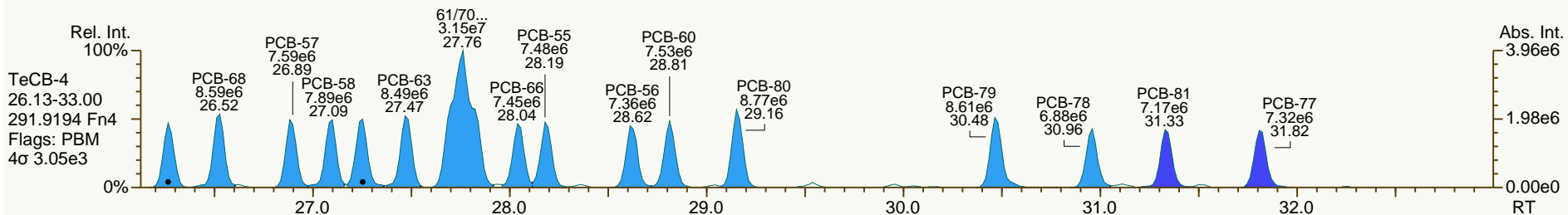
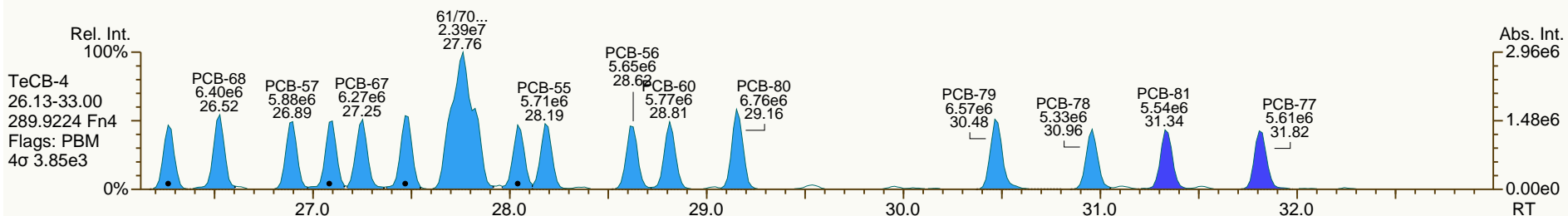
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

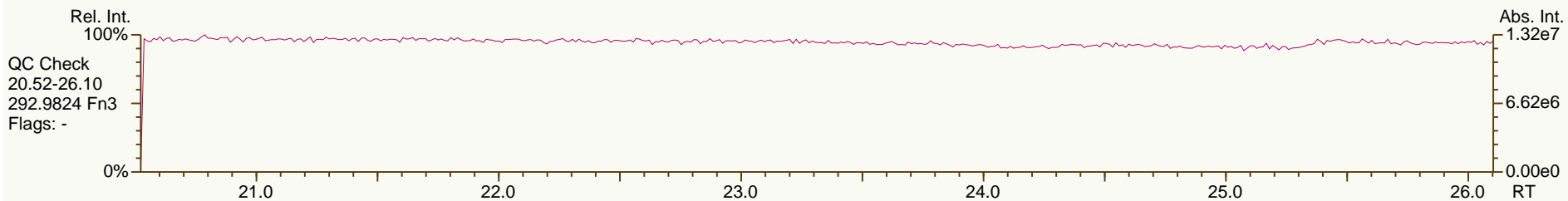
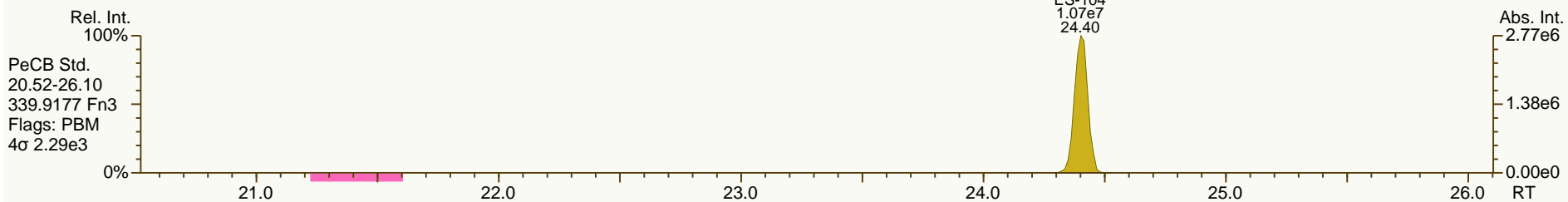
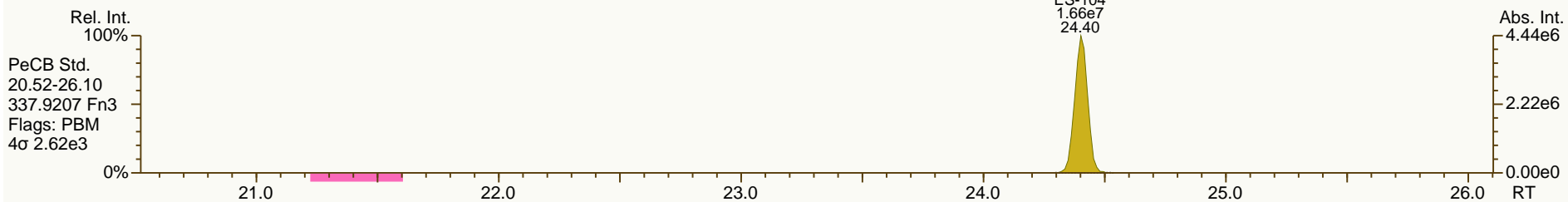
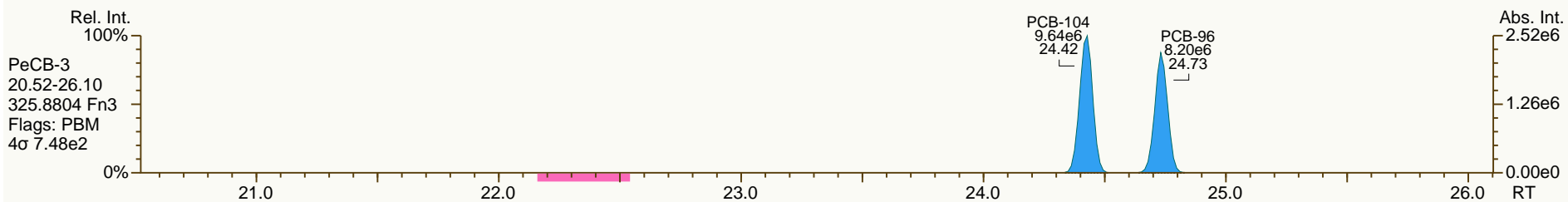
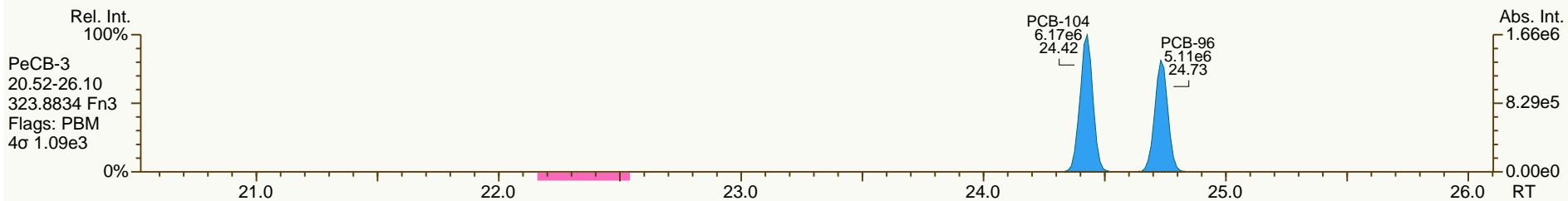
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 02-Oct-2013 11:44:54
 User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

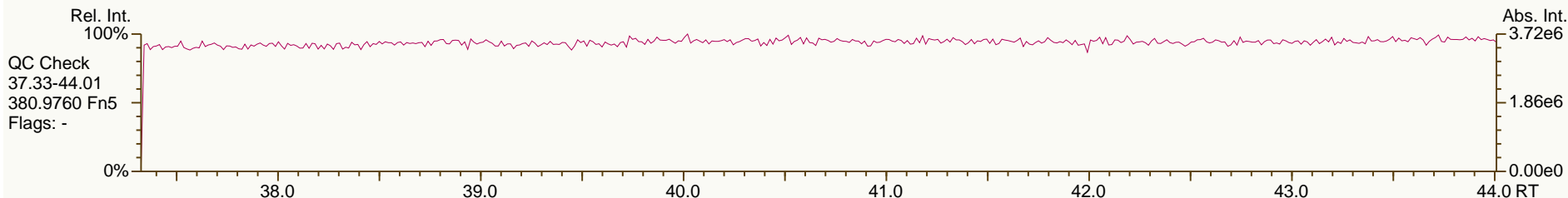
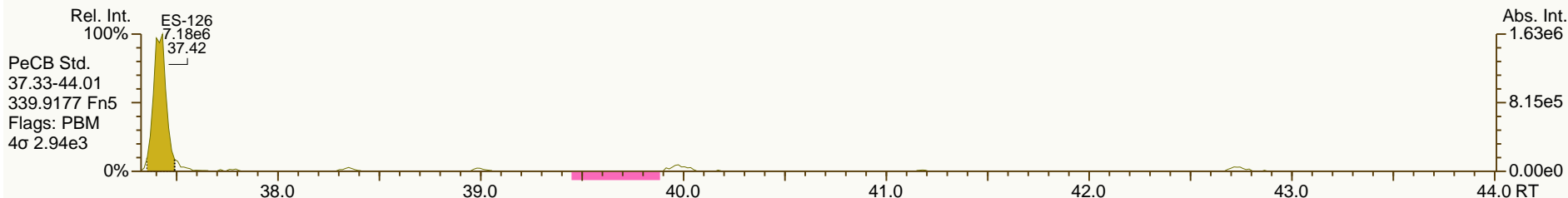
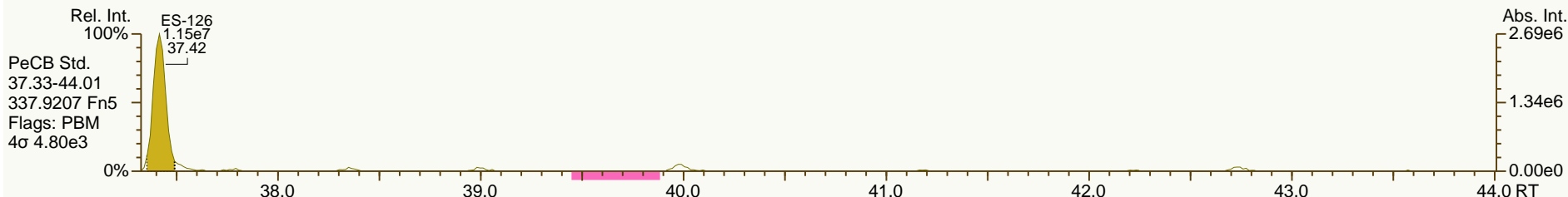
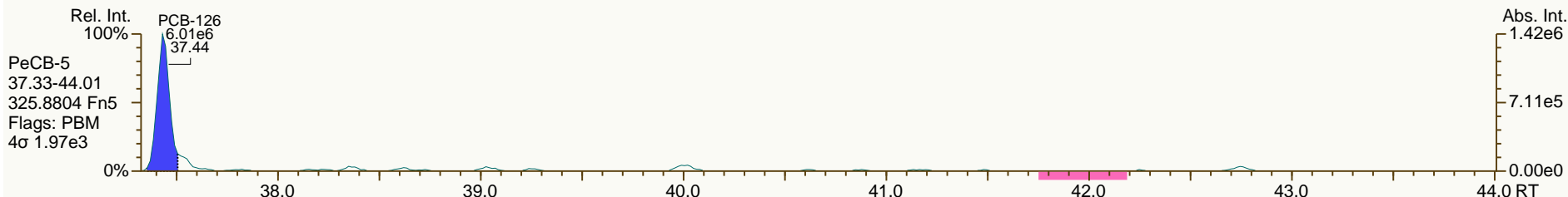
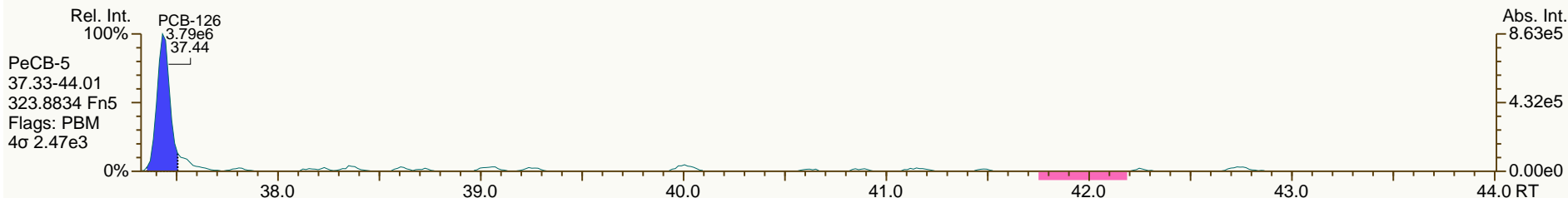
Acq: 02-Oct-2013 11:44:54
User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

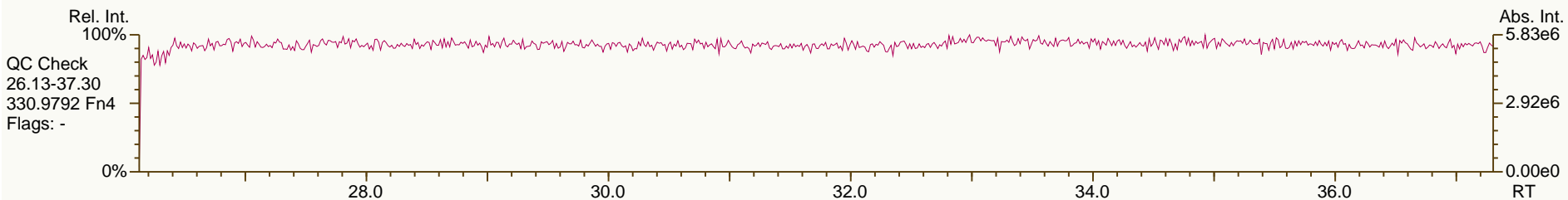
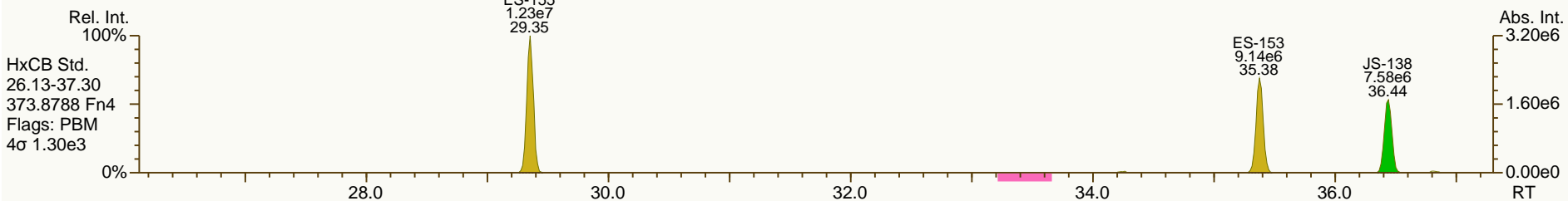
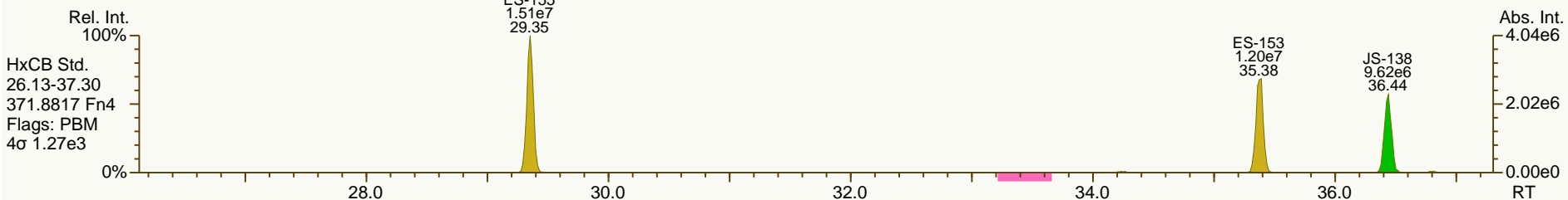
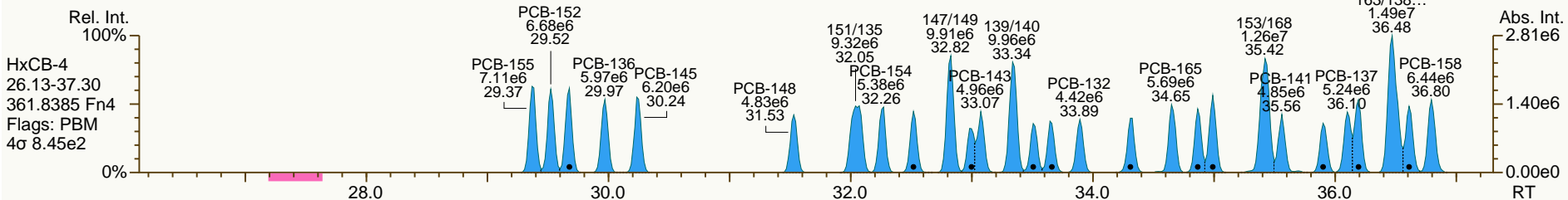
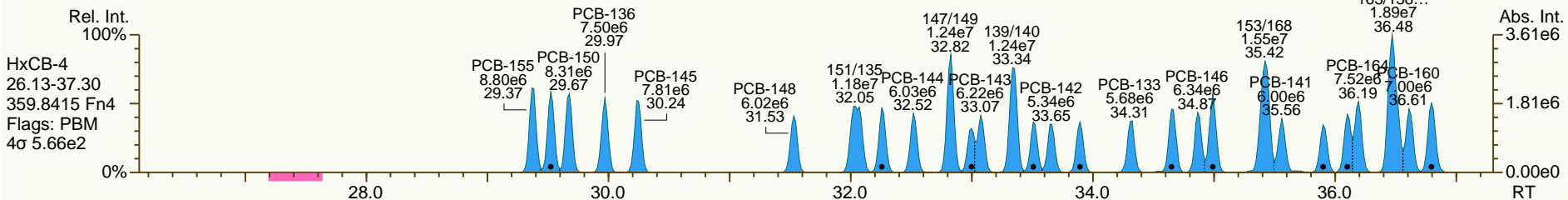
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

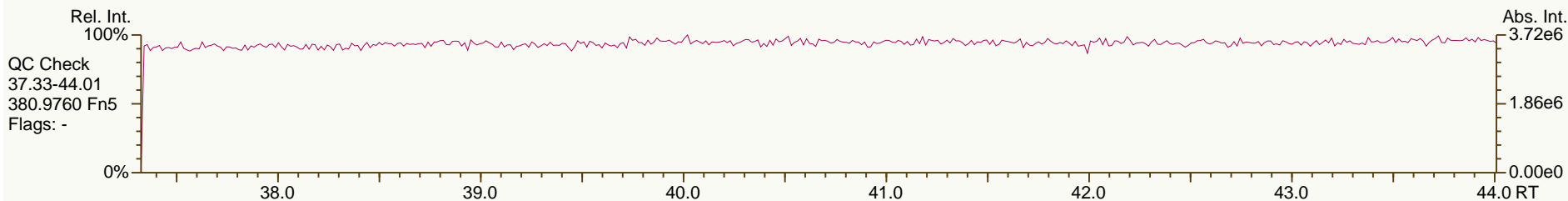
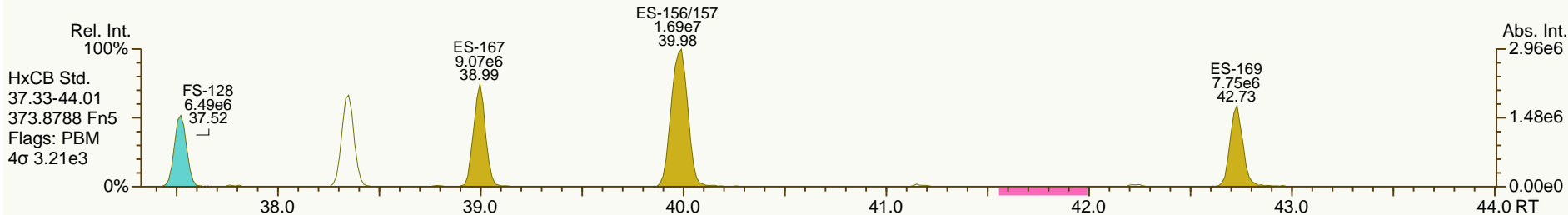
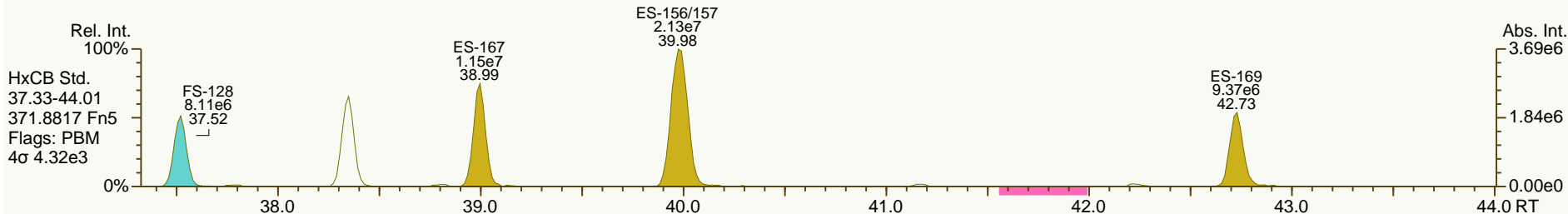
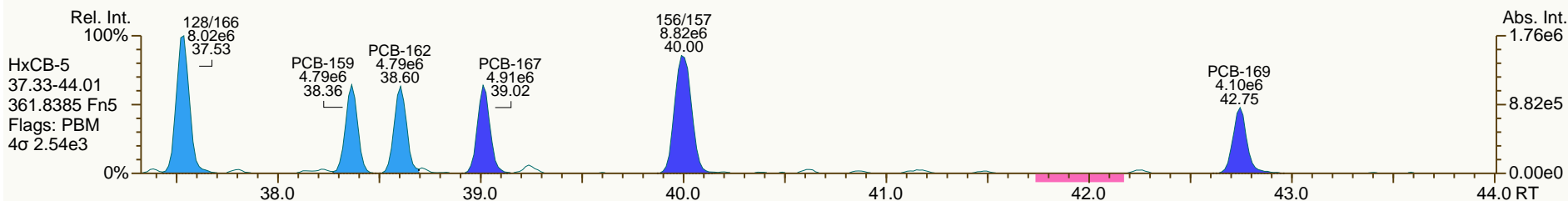
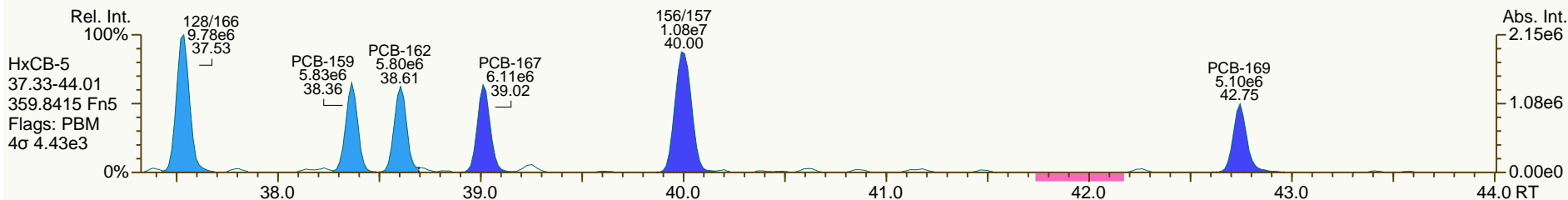
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SGS-AP ID: CS3_131002_PCB_VB
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

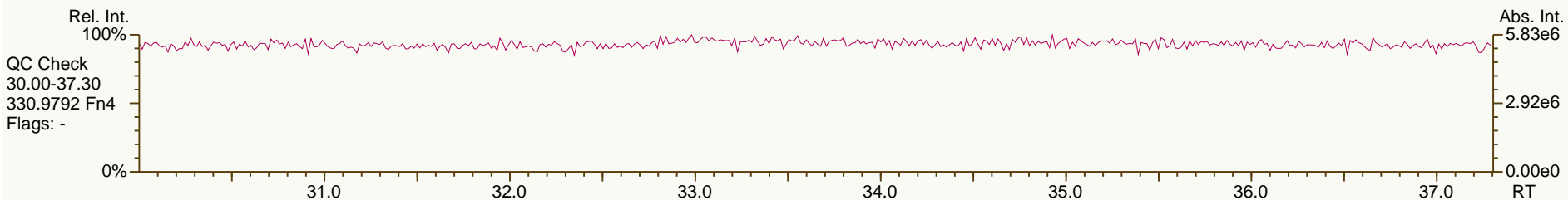
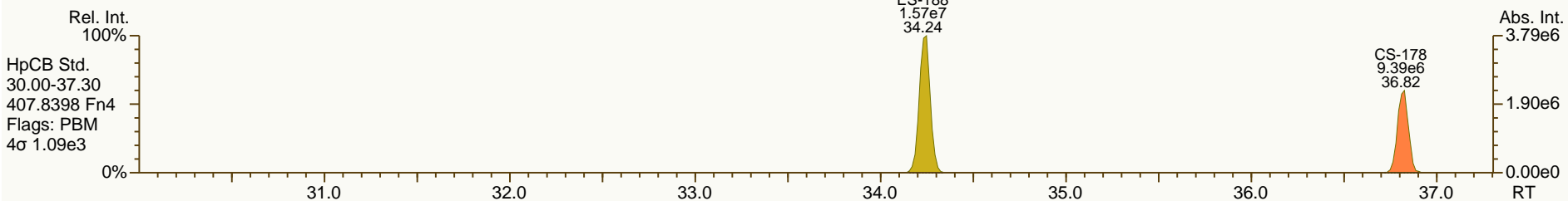
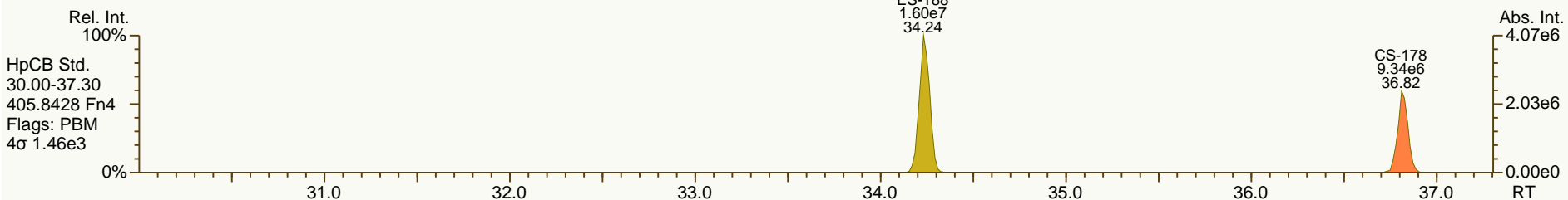
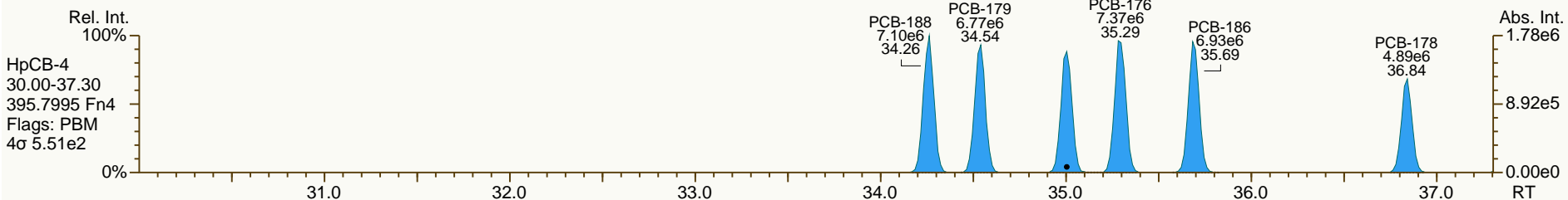
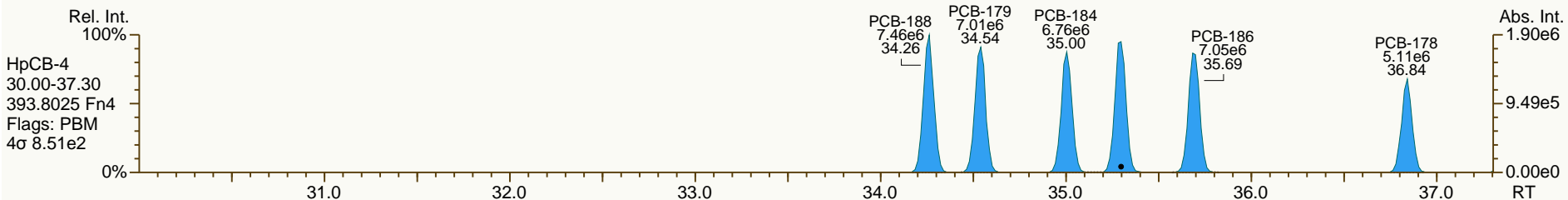
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User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

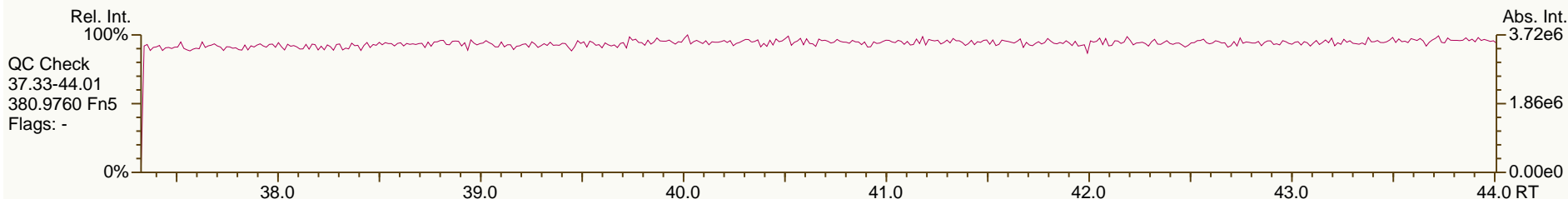
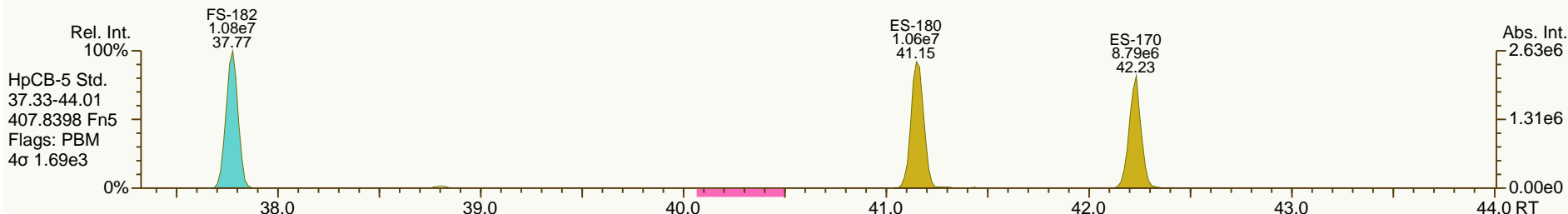
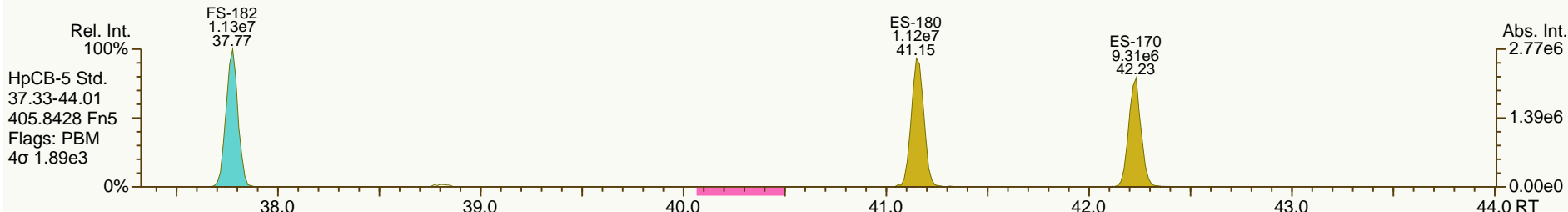
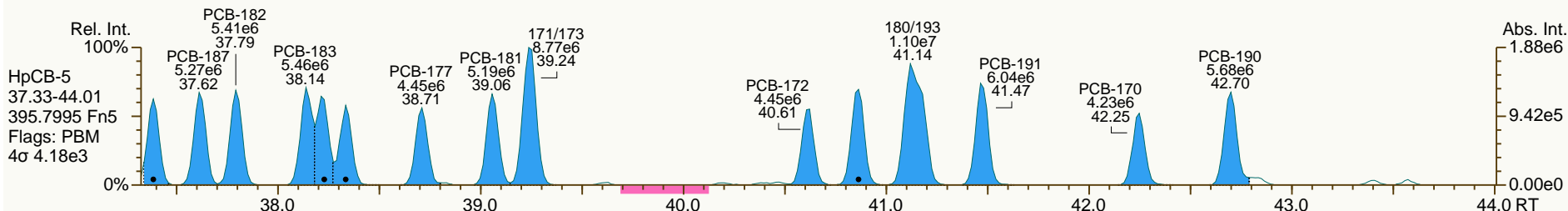
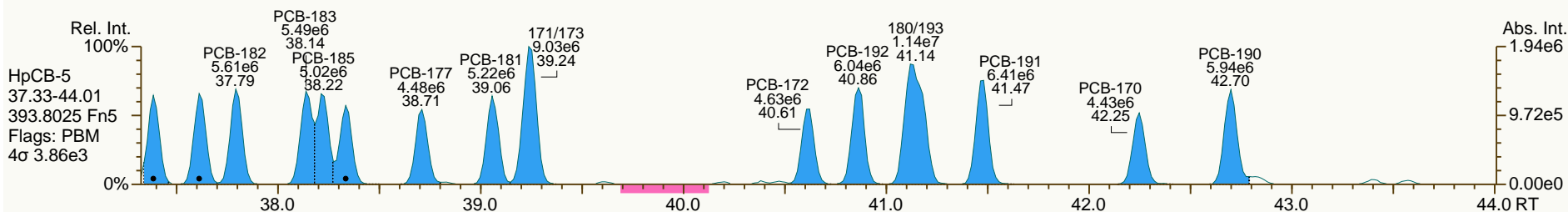
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

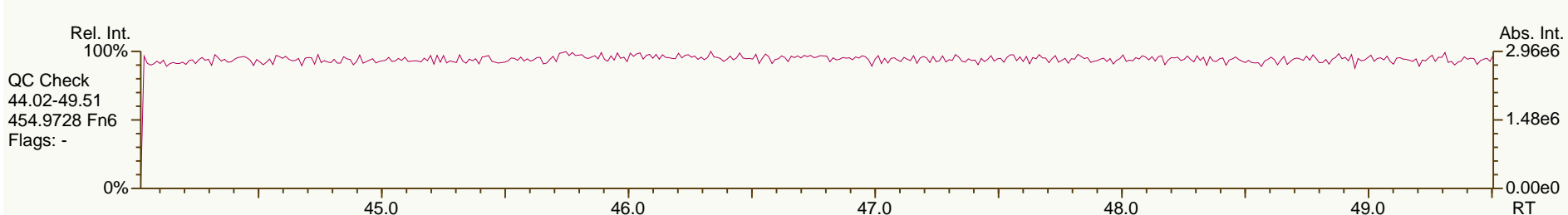
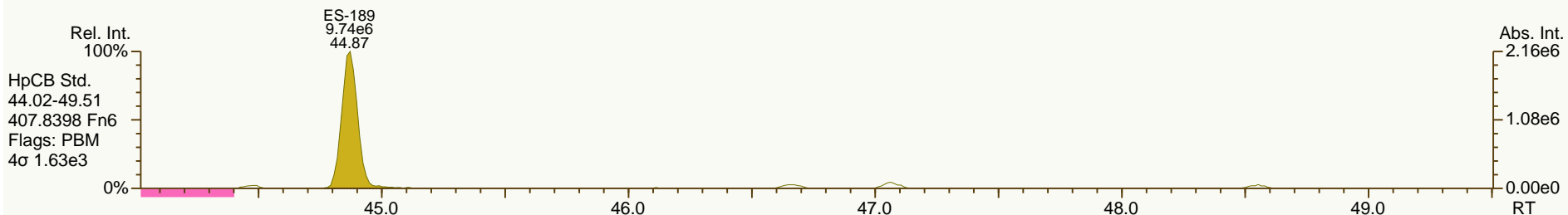
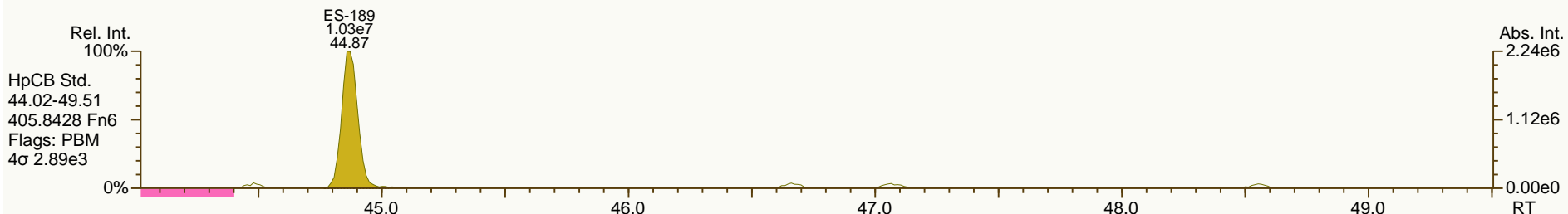
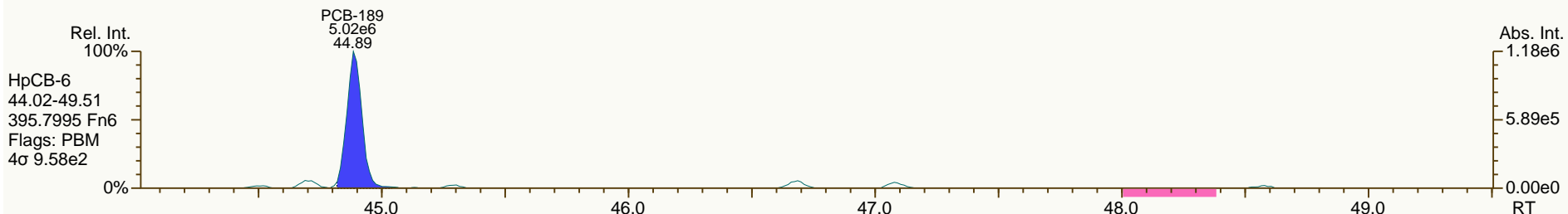
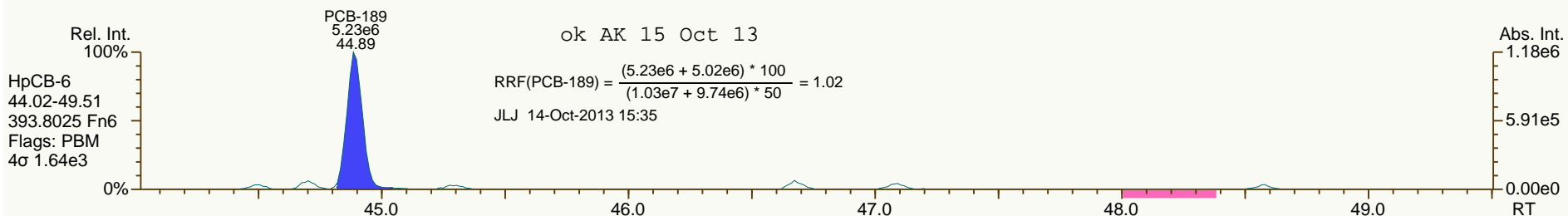
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 3

Acq: 02-Oct-2013 11:44:54
 User: JLJ Datafile: 131002V09



SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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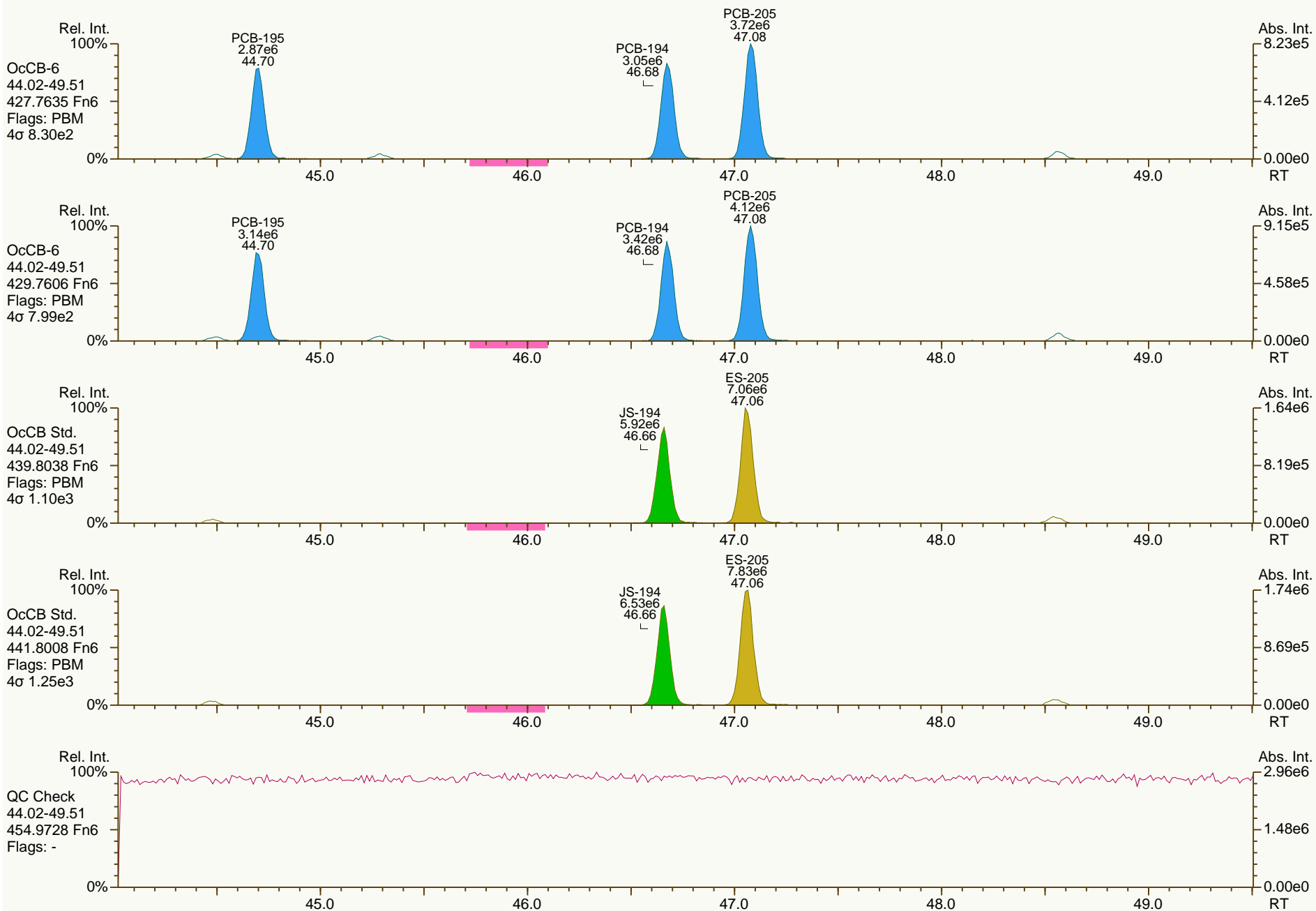
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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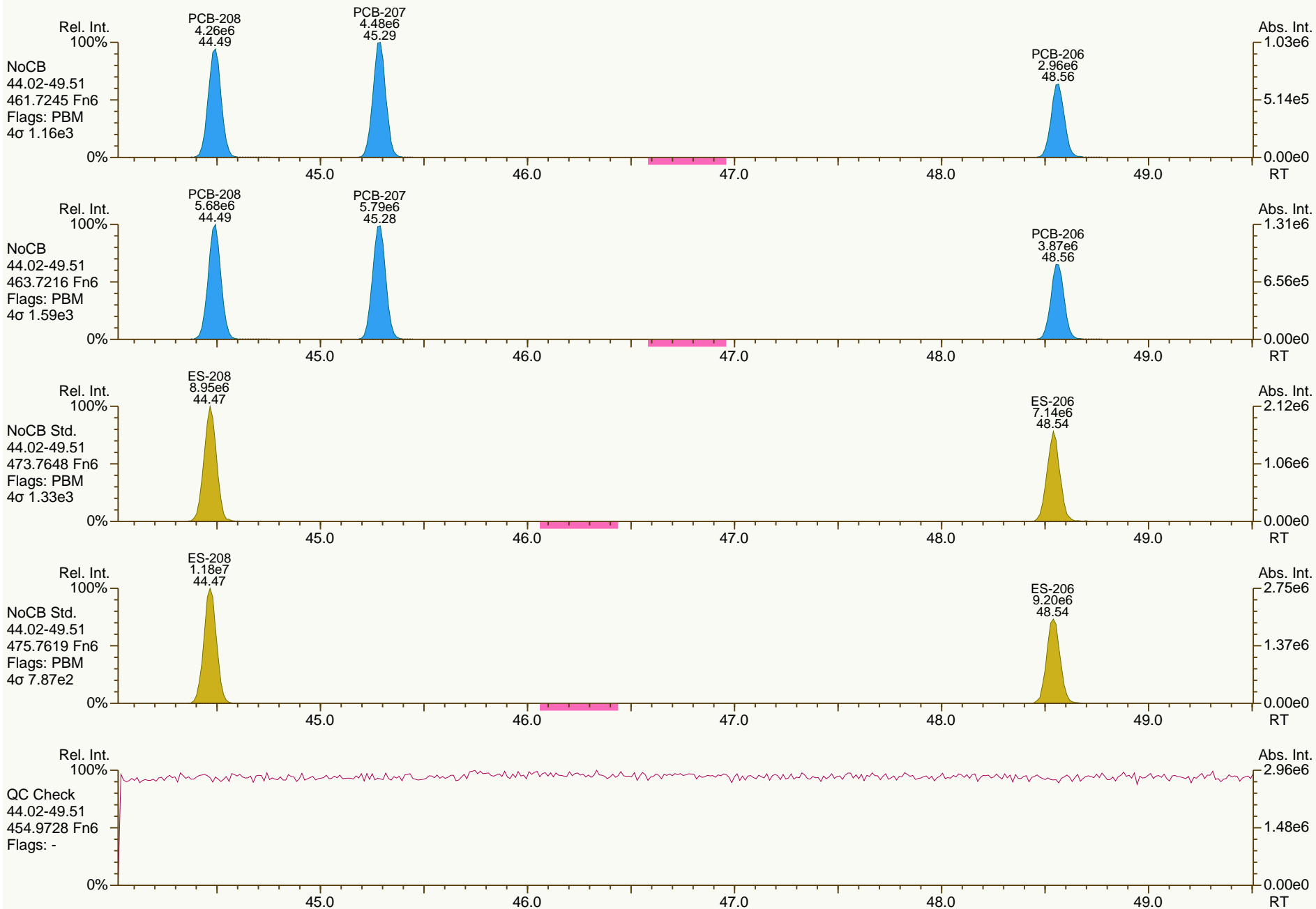
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SGS-AP ID: CS3_131002_PCB_VB
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Sample ID: SIL 13-40-3
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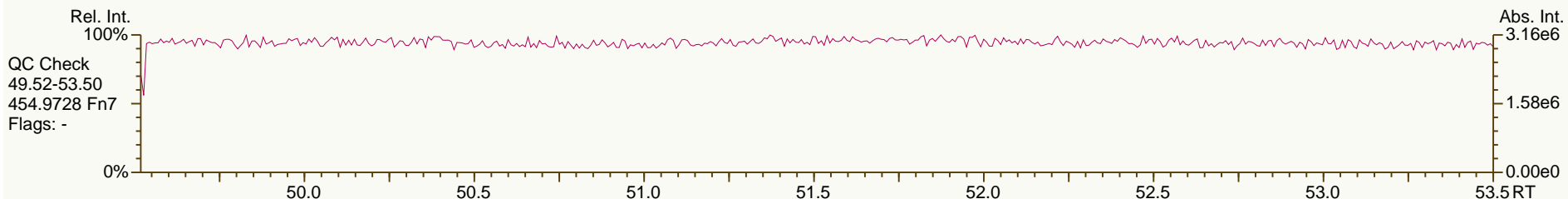
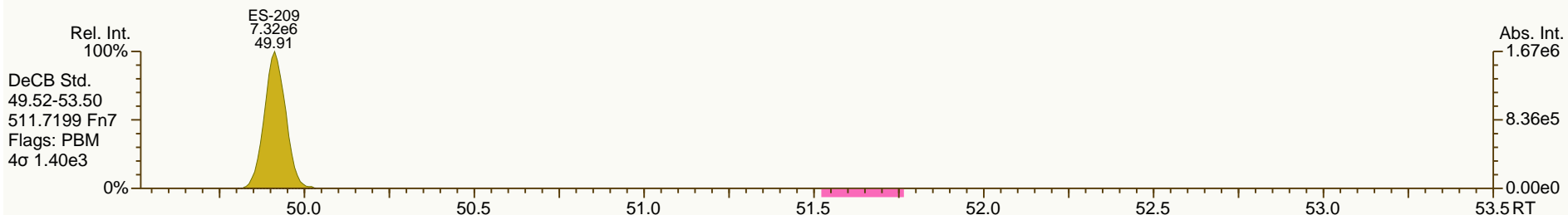
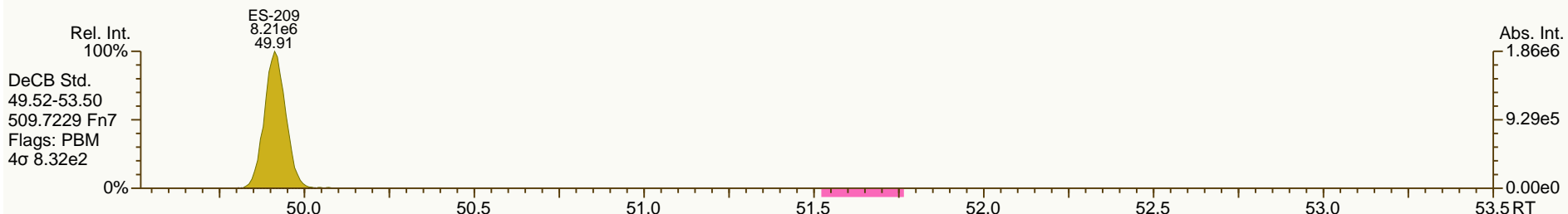
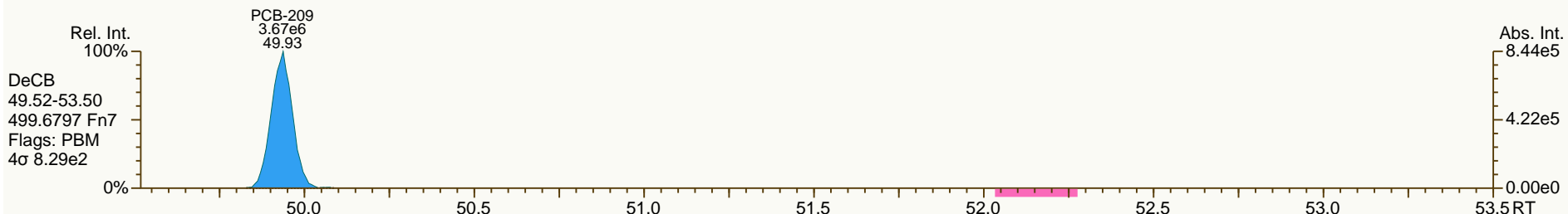
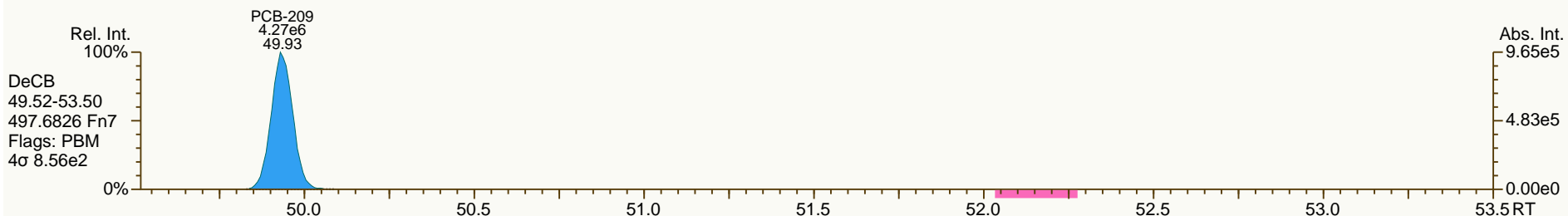
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SGS-AP ID: CS3_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

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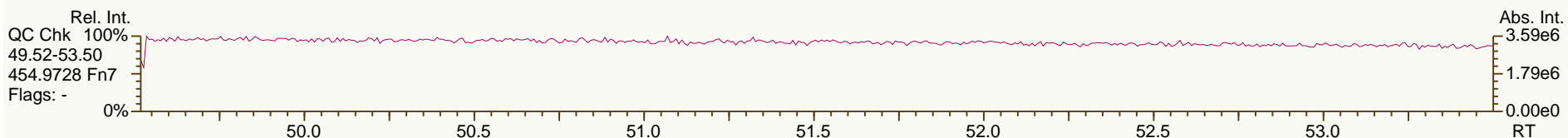
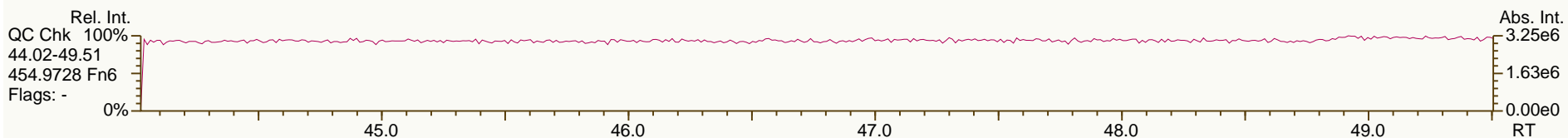
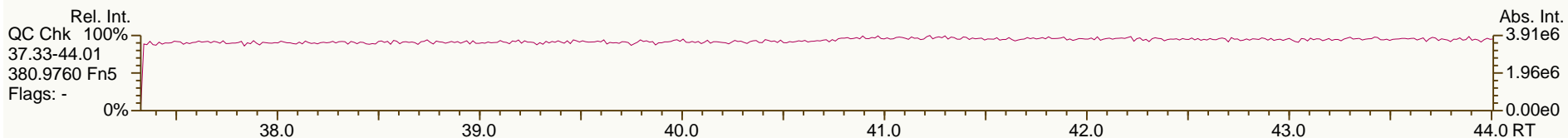
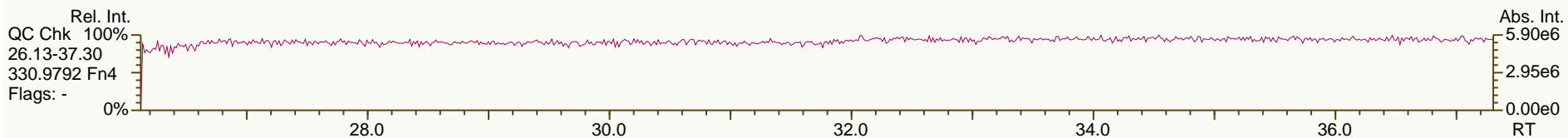
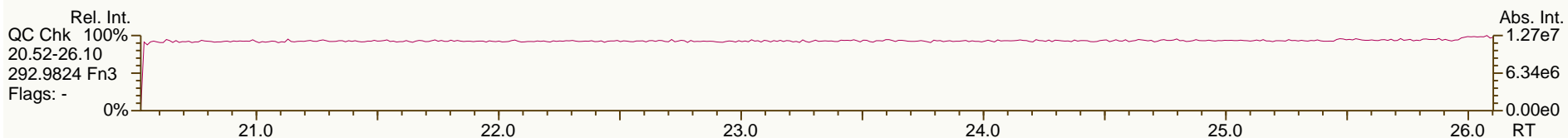
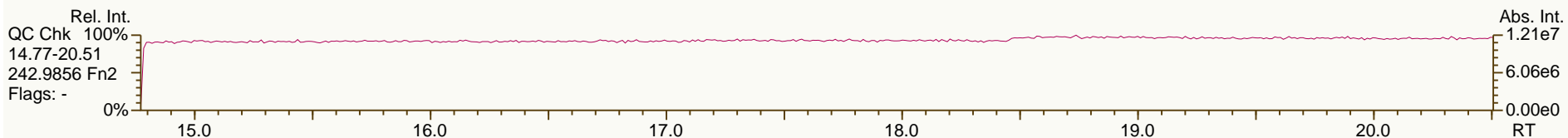
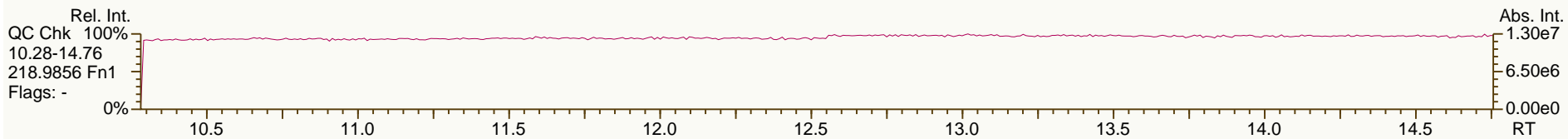
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

Acq: 02-Oct-2013 13:34:47
 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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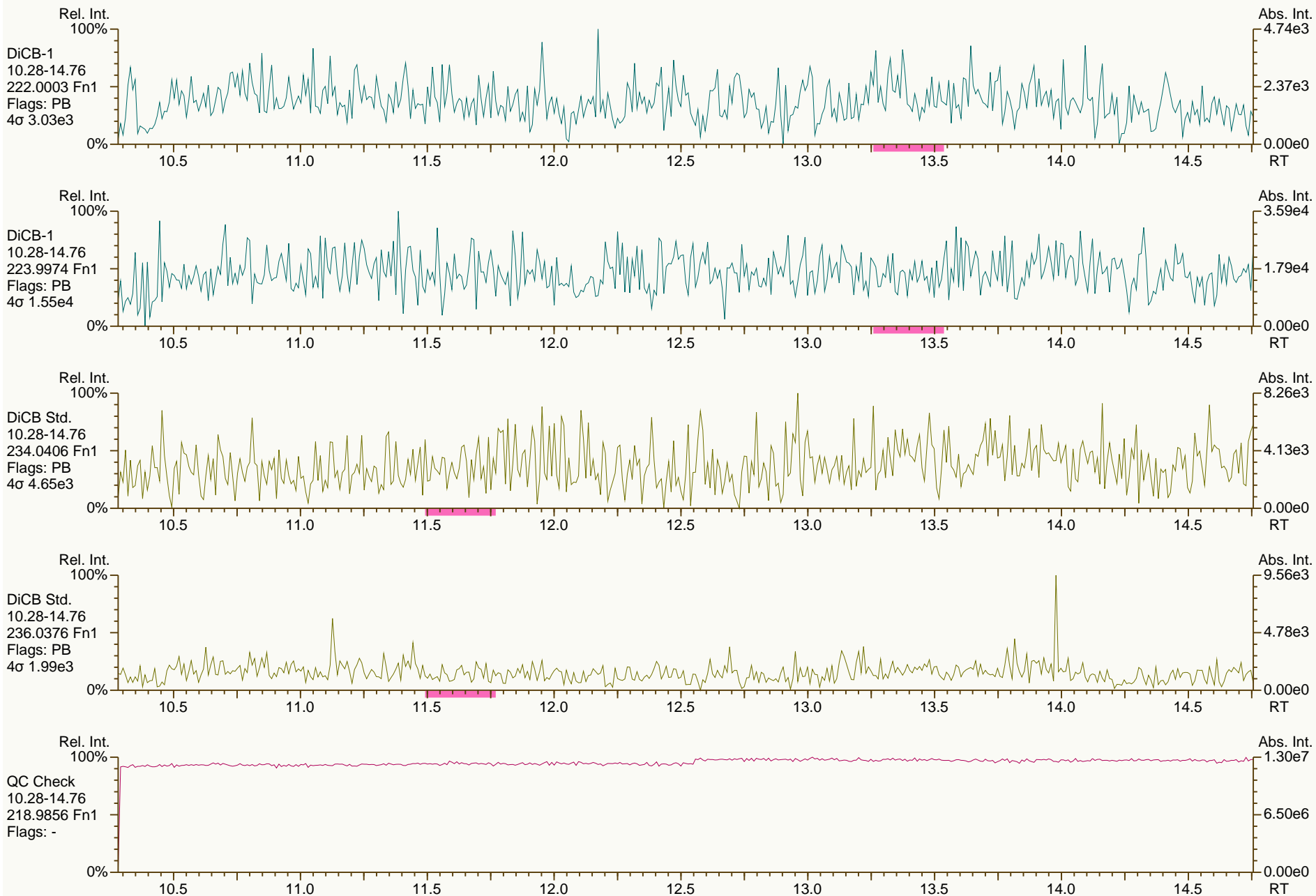
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

Acq: 02-Oct-2013 13:34:47
 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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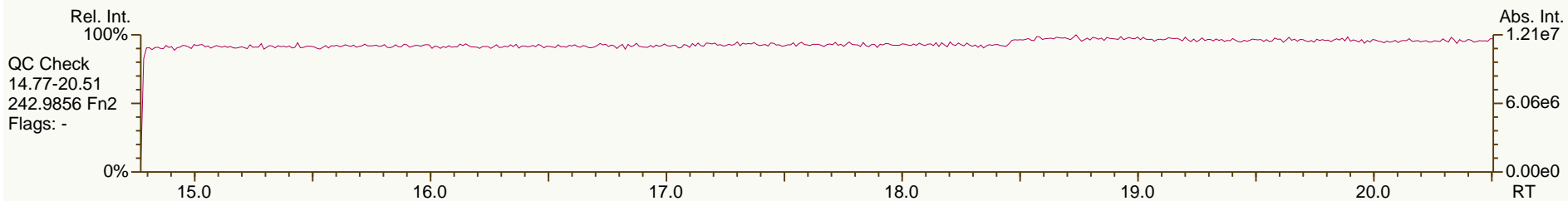
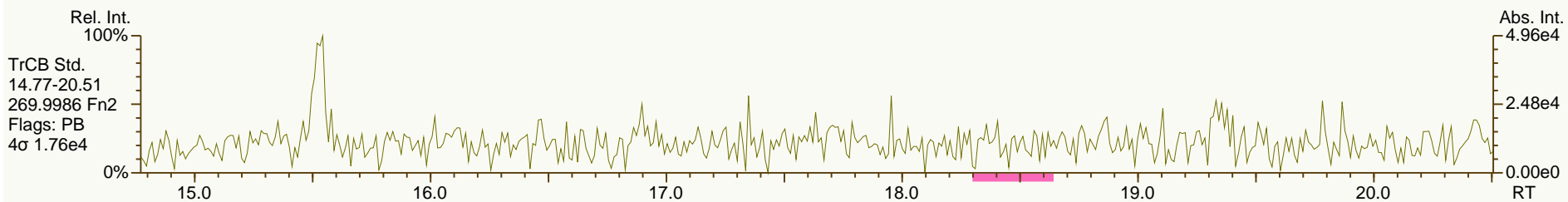
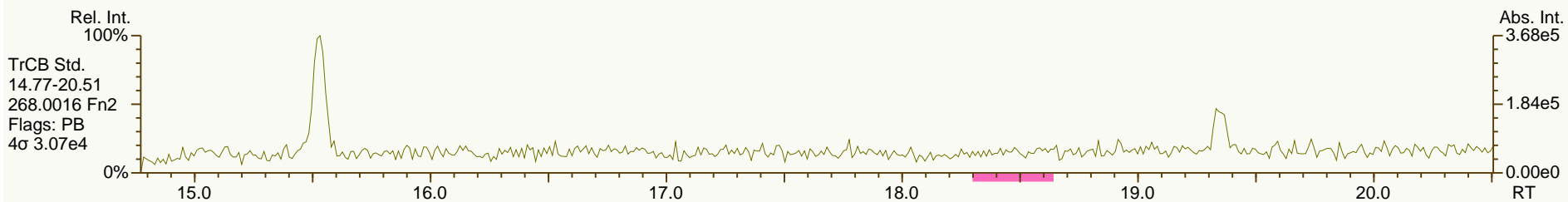
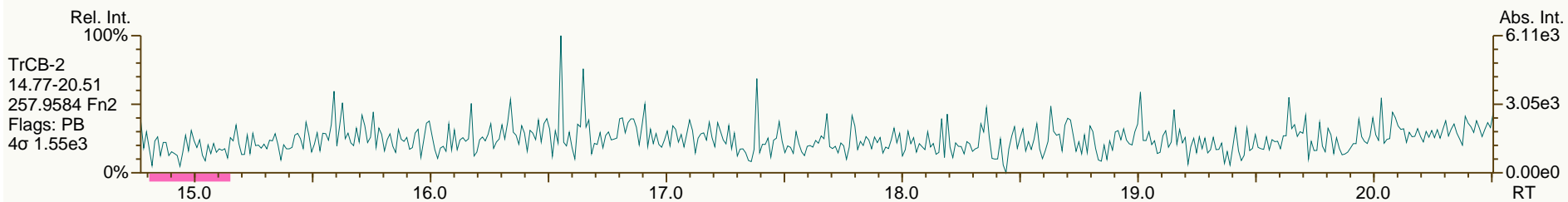
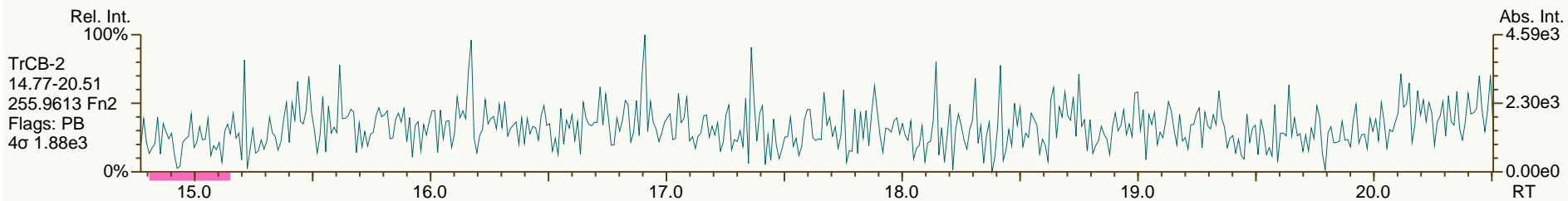
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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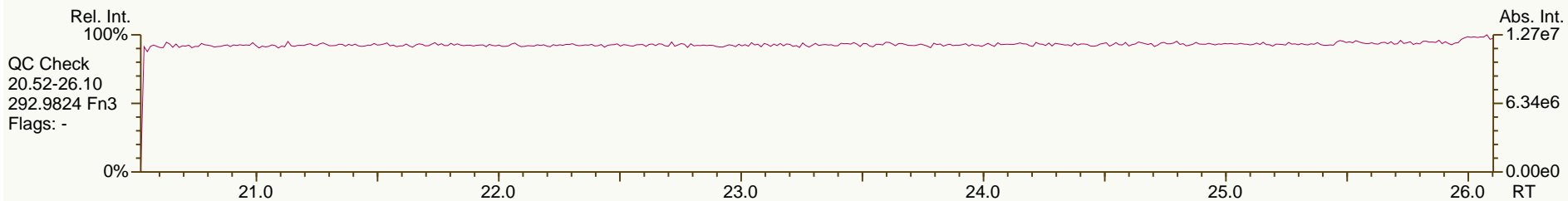
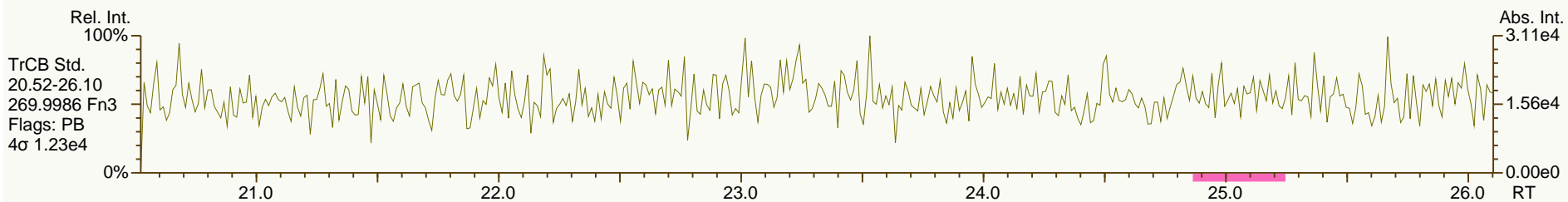
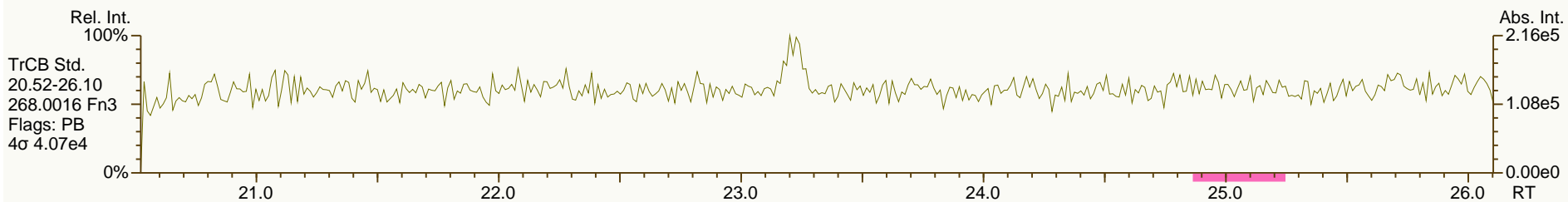
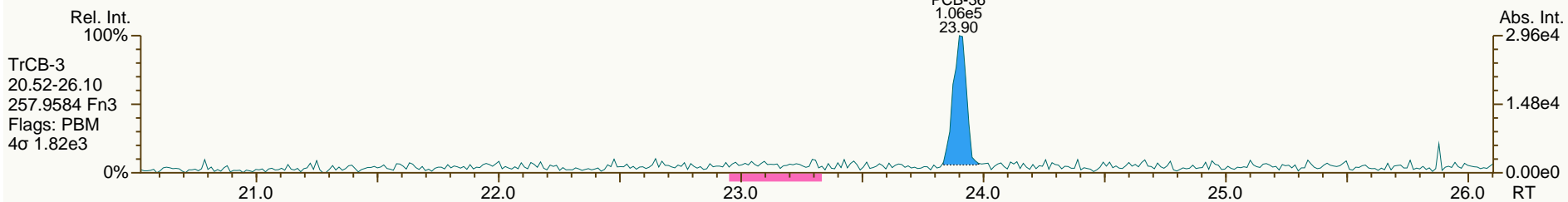
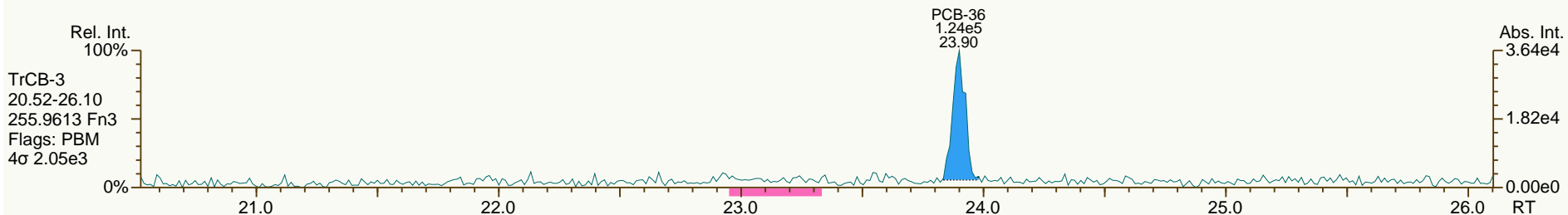
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

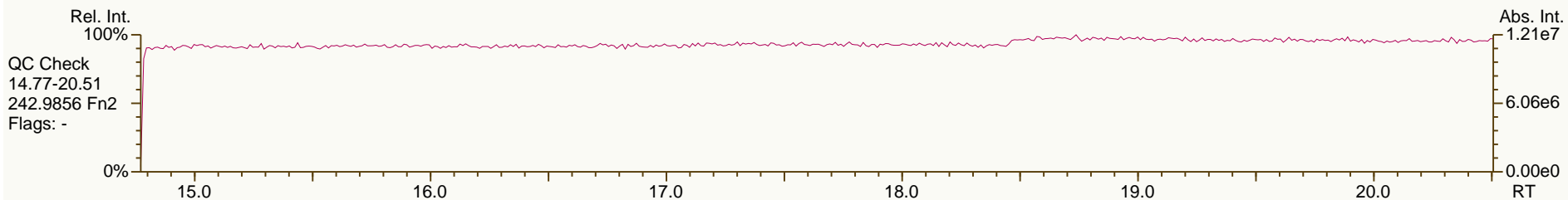
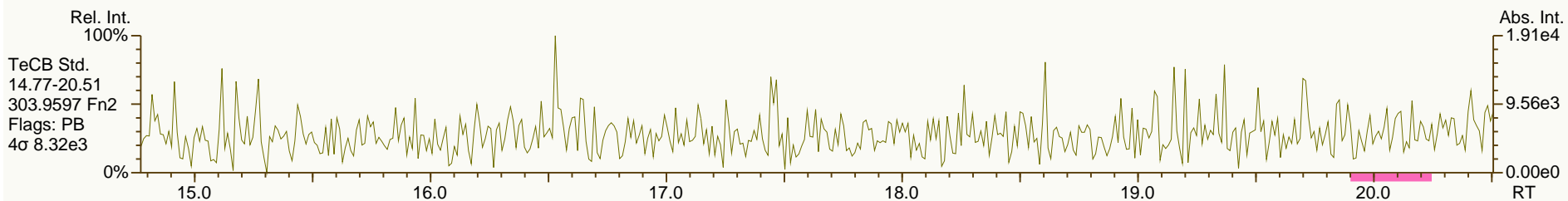
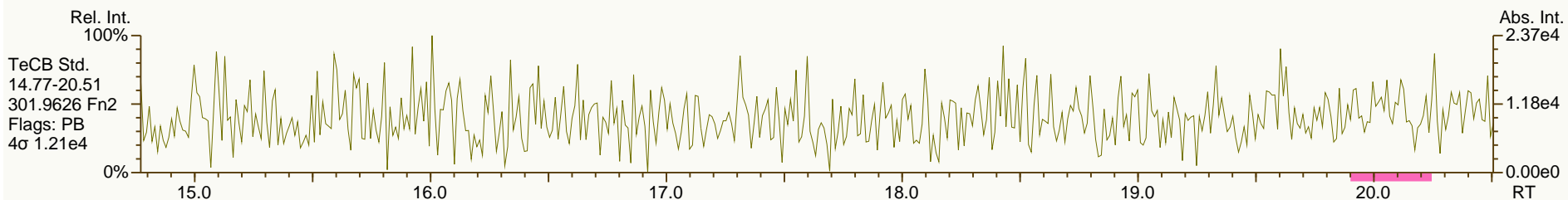
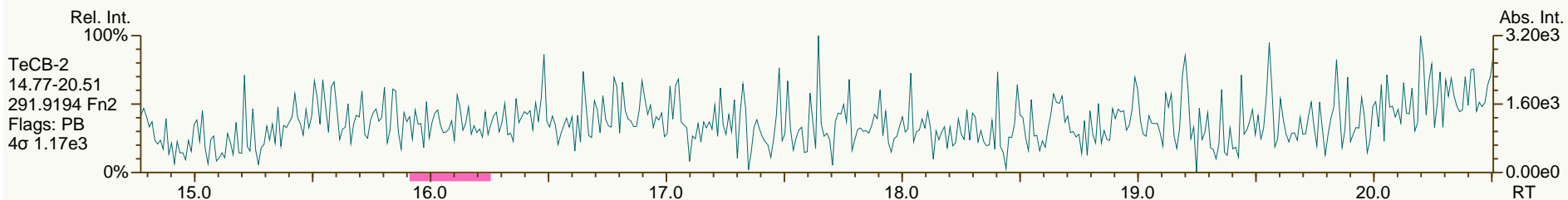
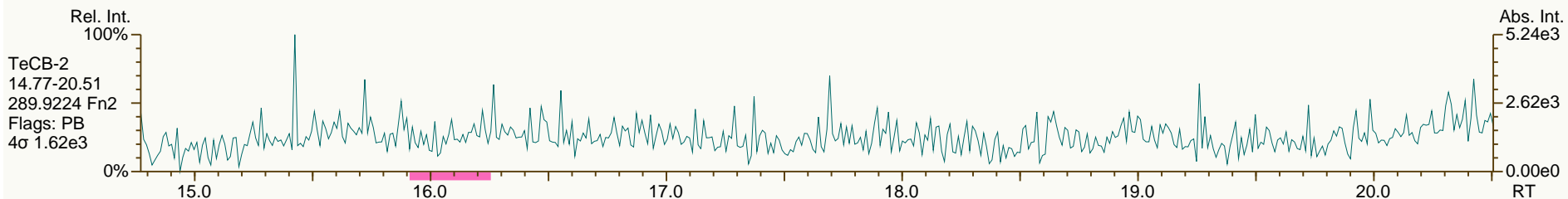
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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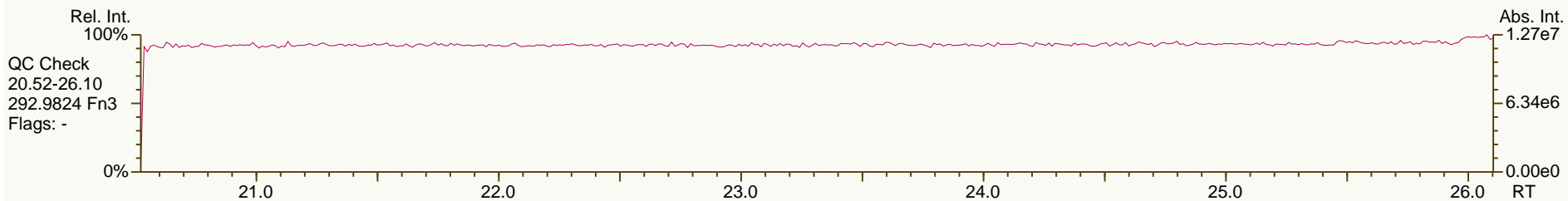
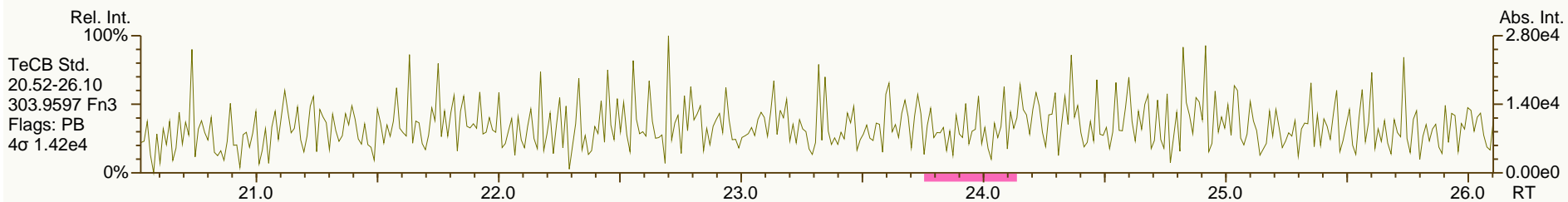
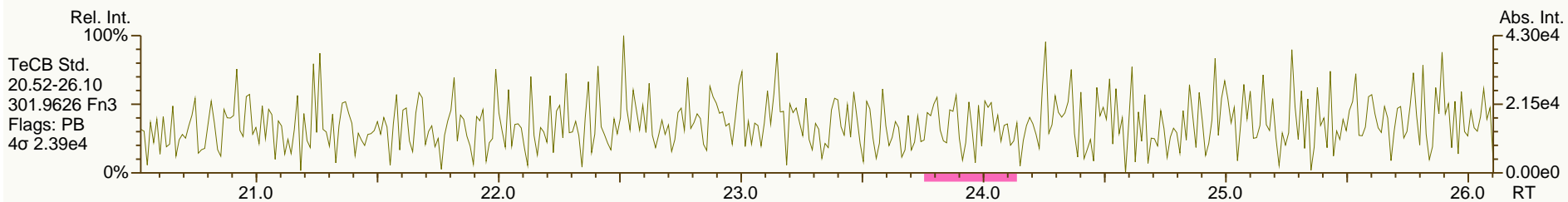
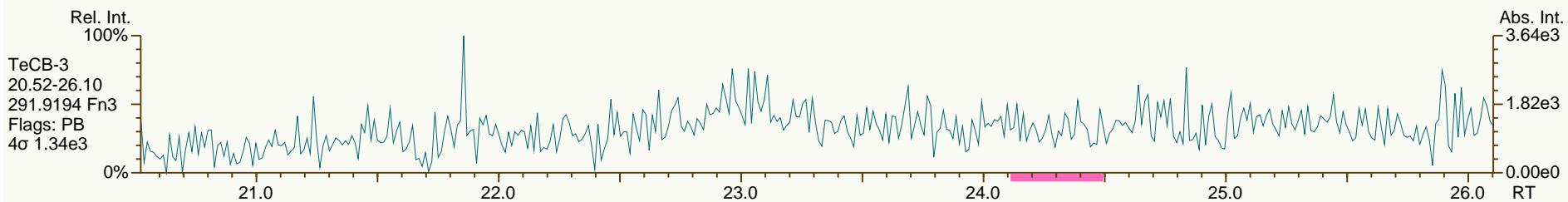
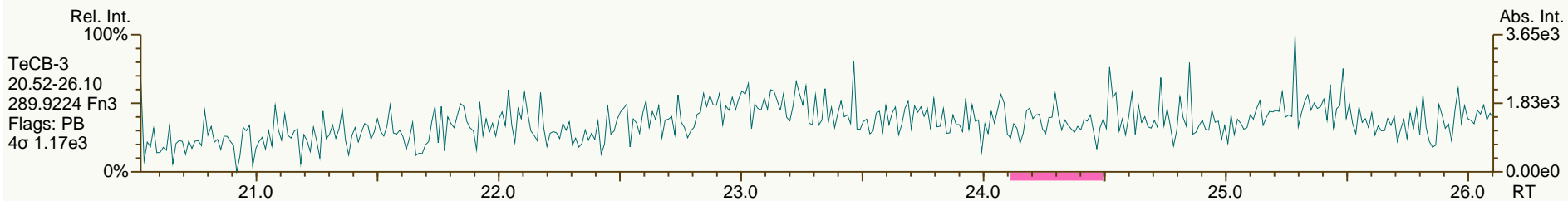
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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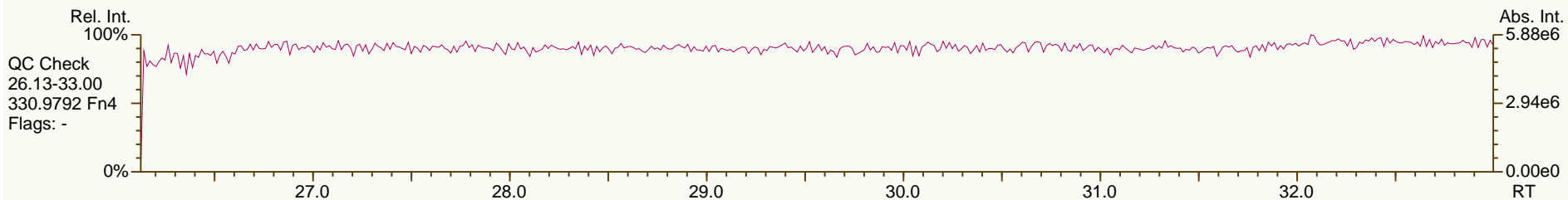
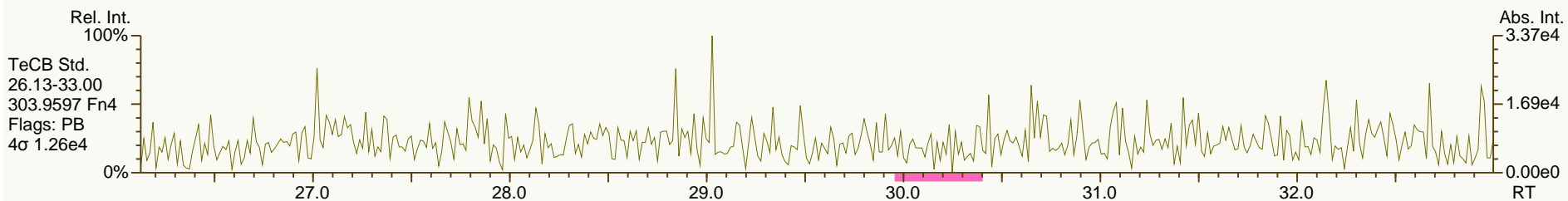
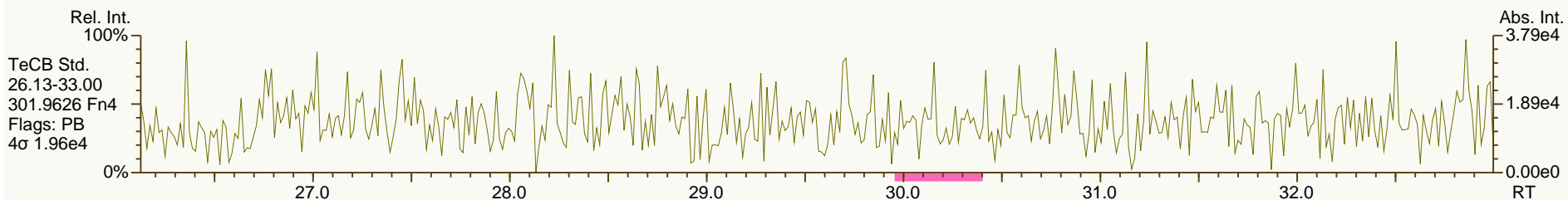
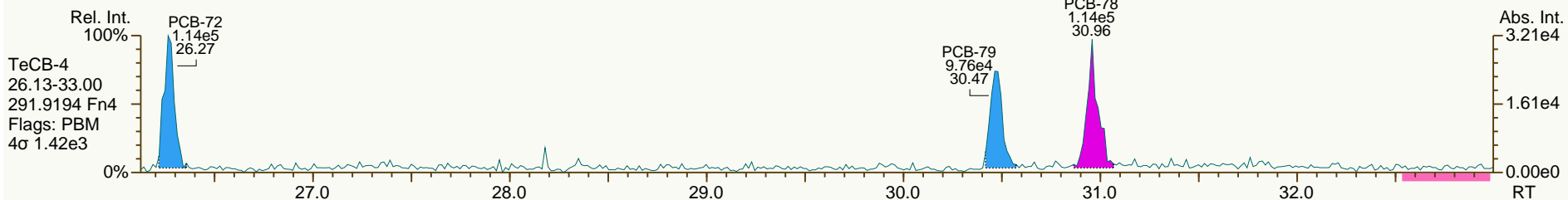
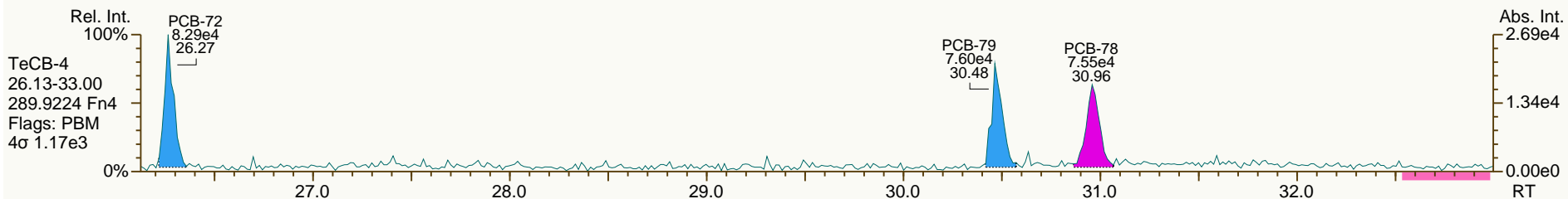
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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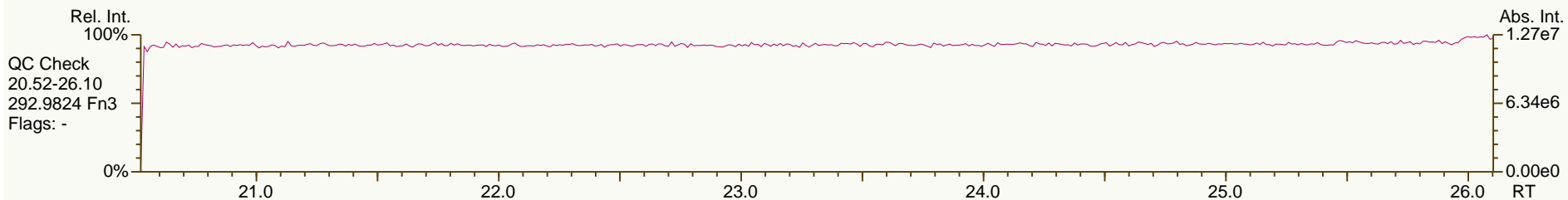
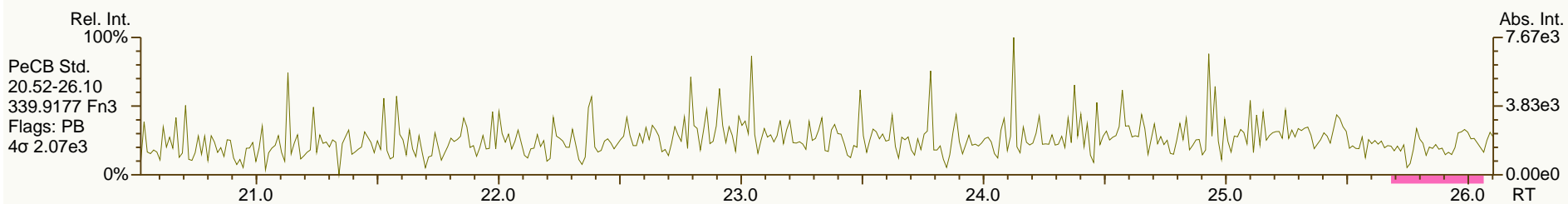
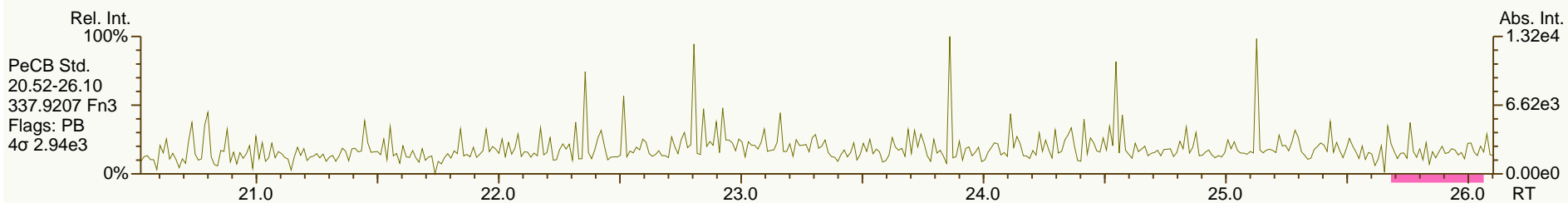
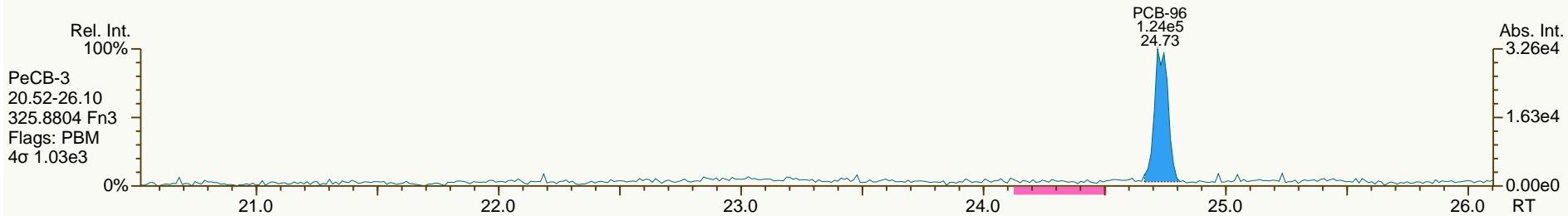
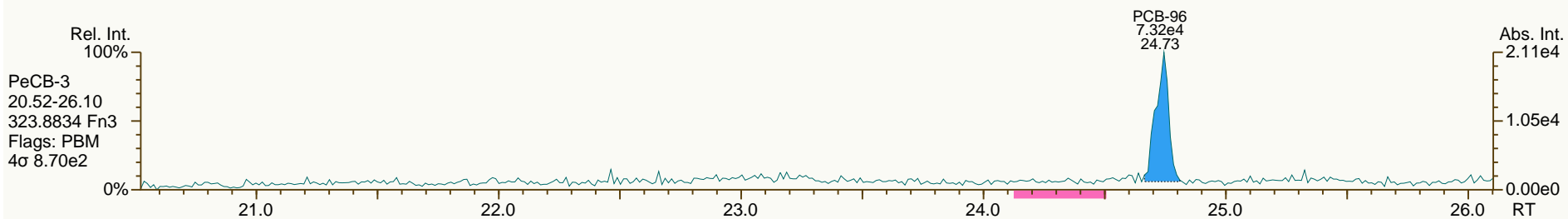
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

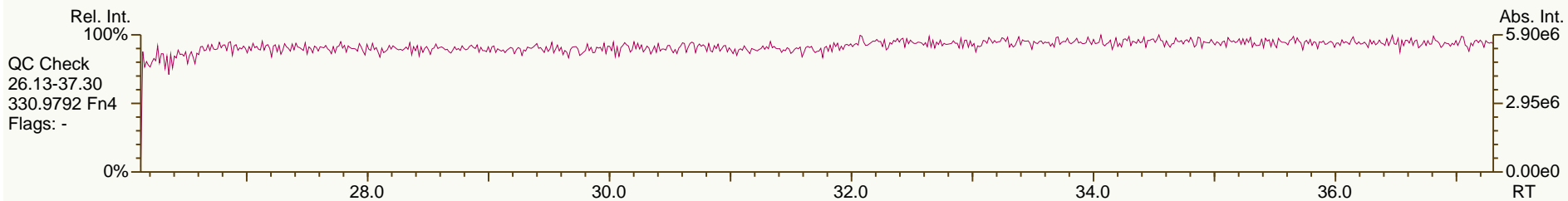
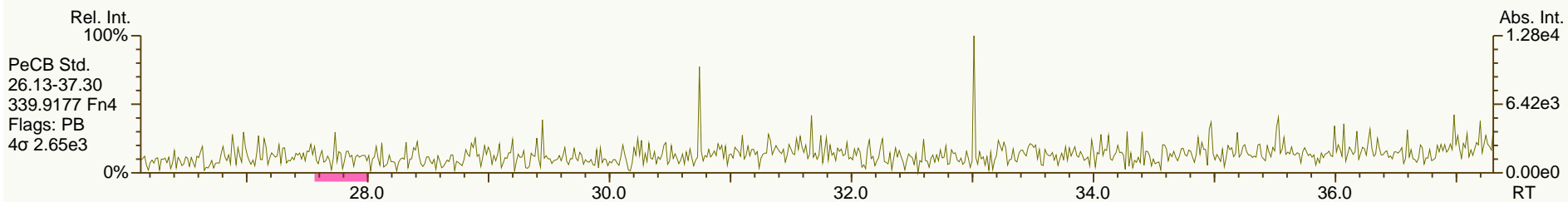
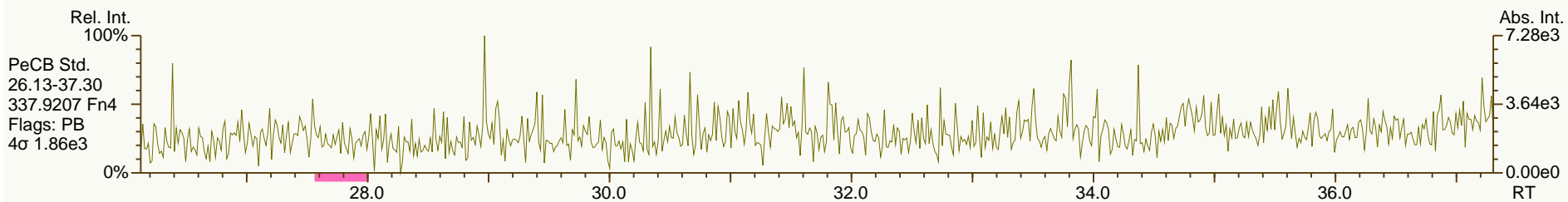
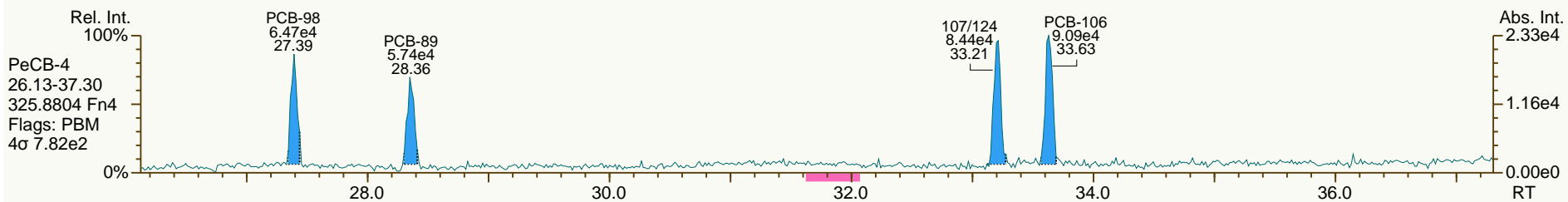
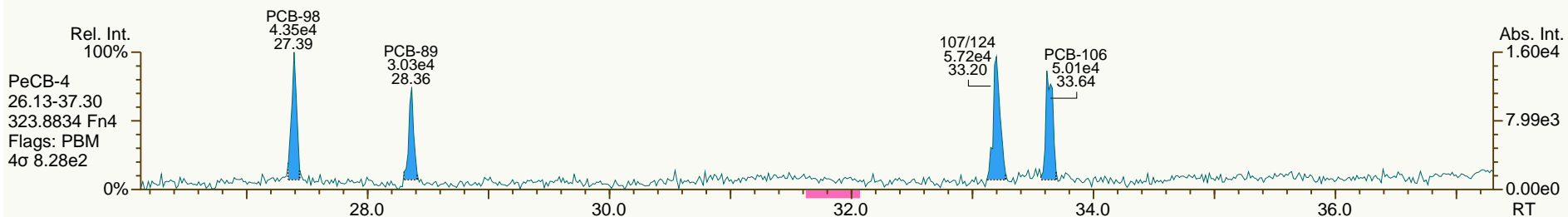
Acq: 02-Oct-2013 13:34:47
 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

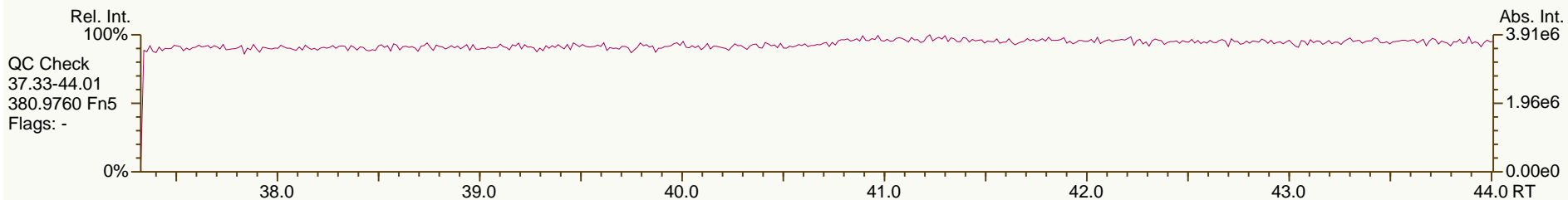
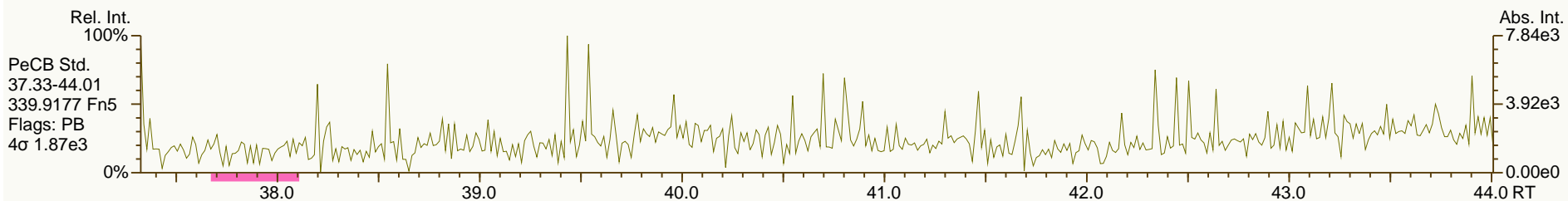
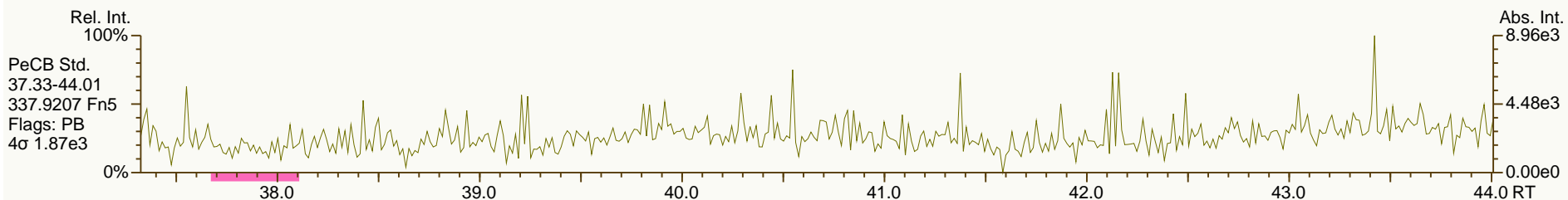
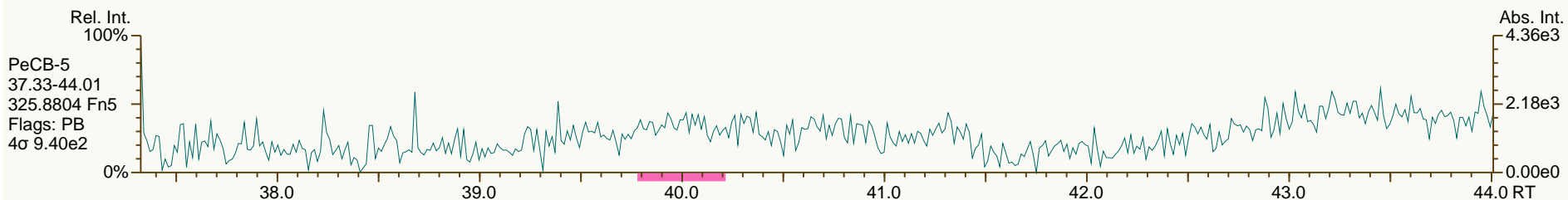
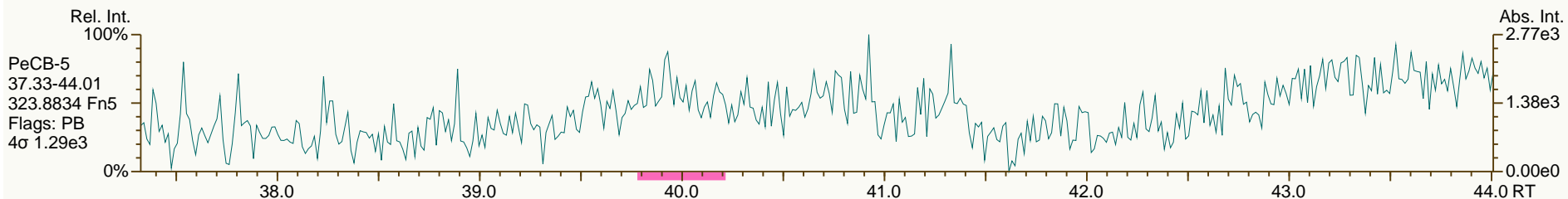
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

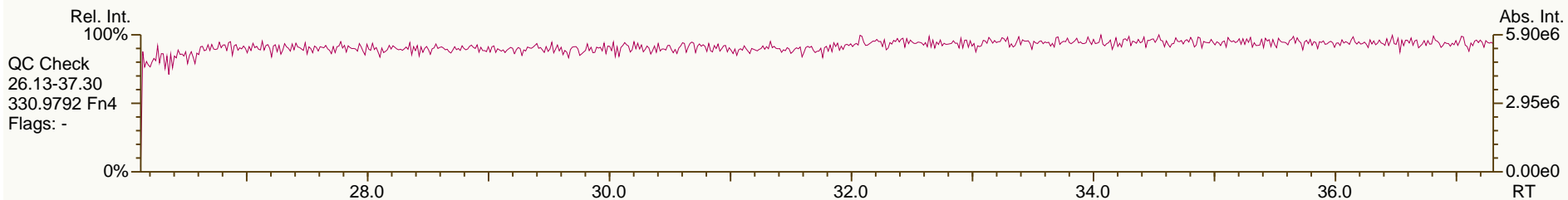
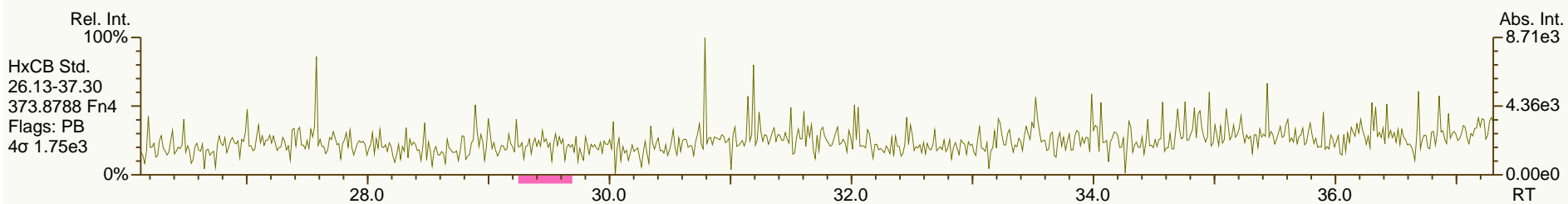
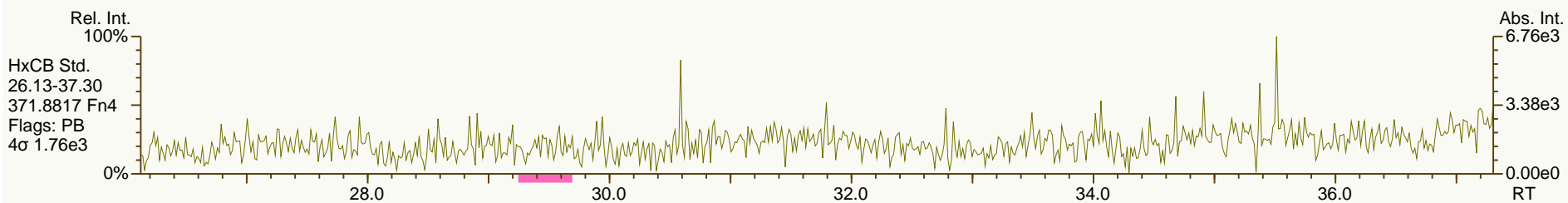
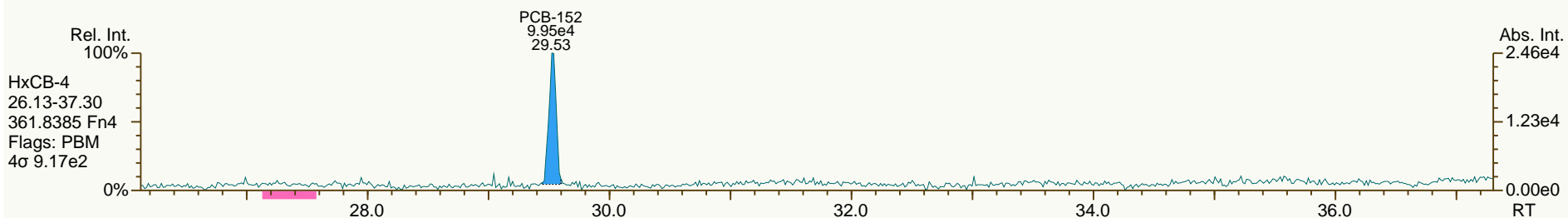
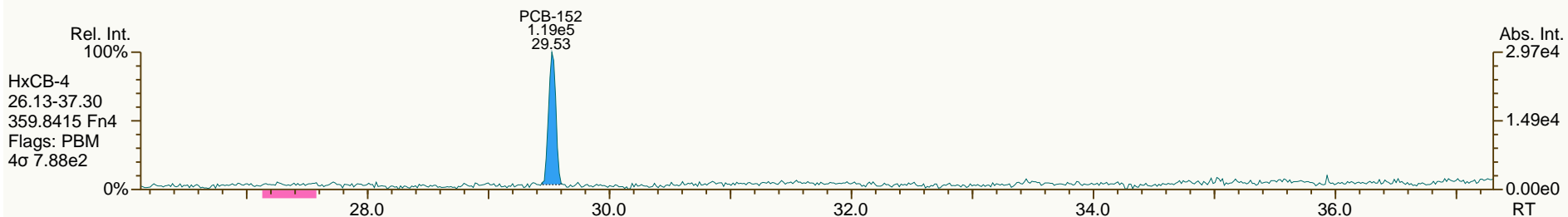
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

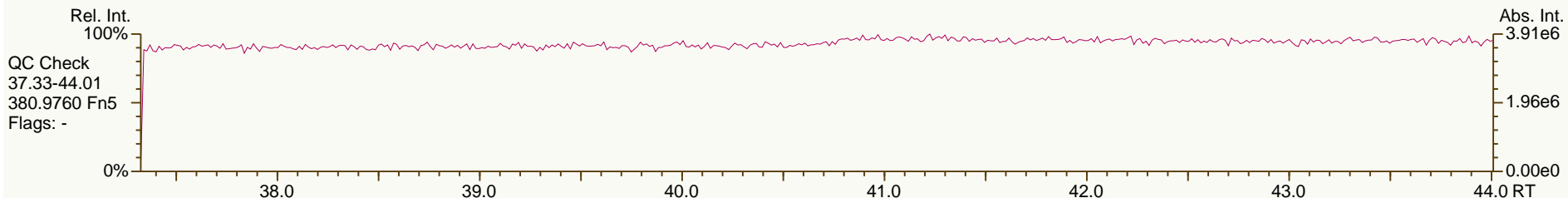
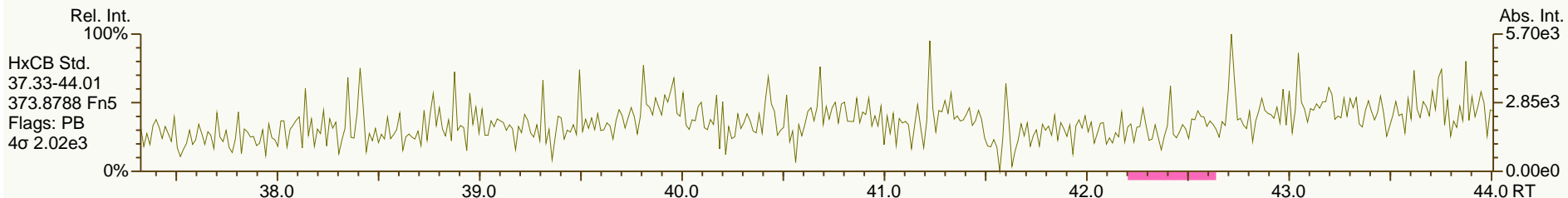
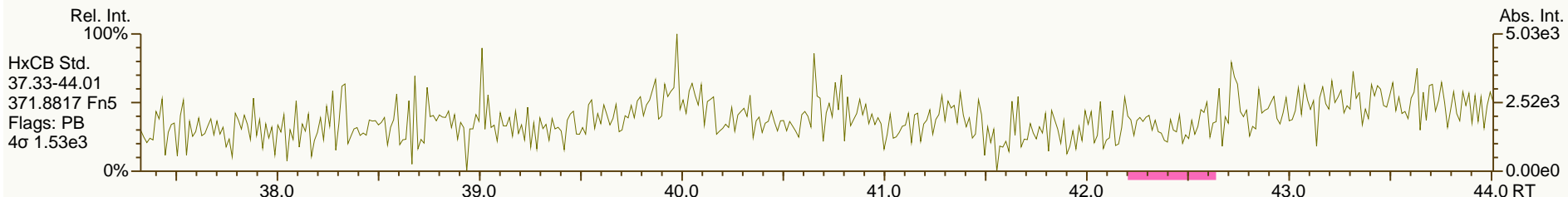
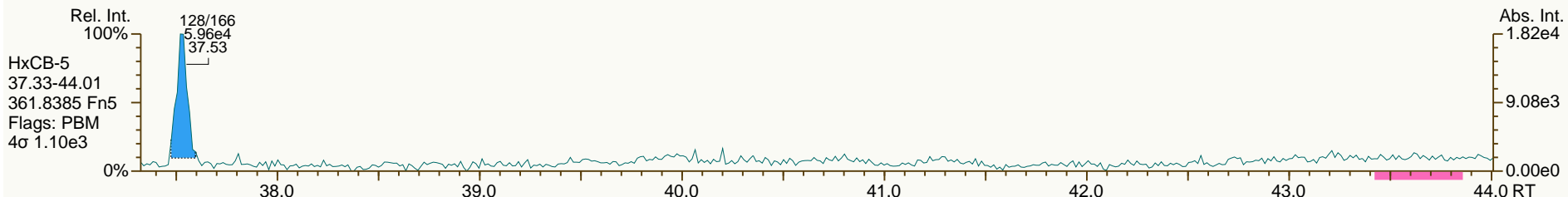
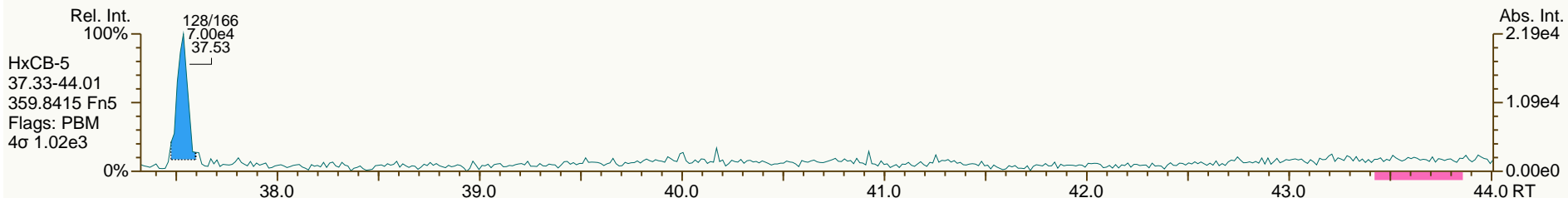
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

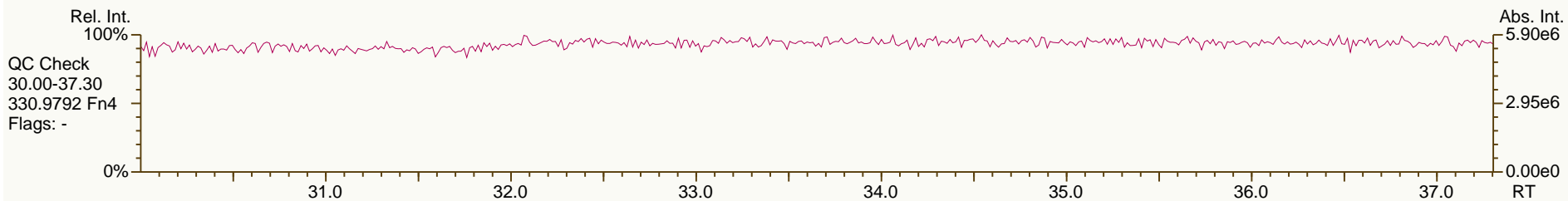
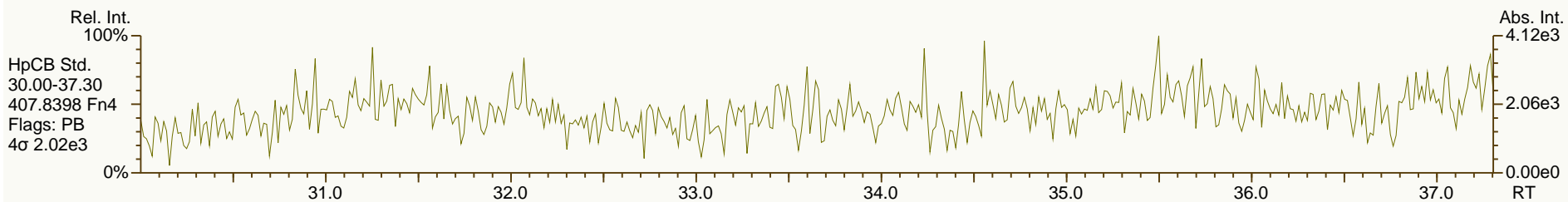
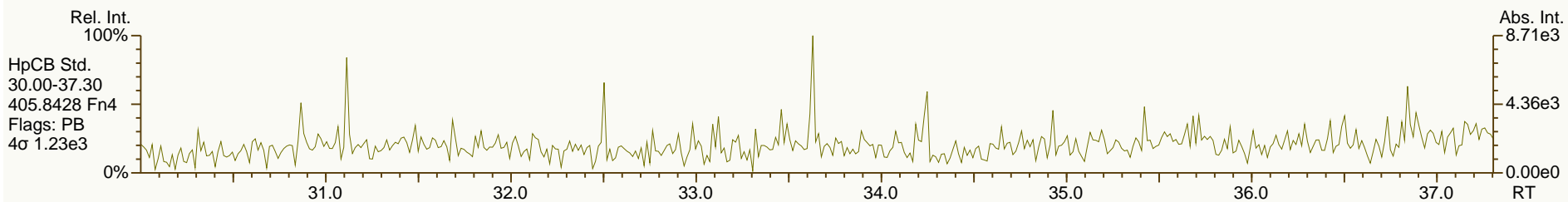
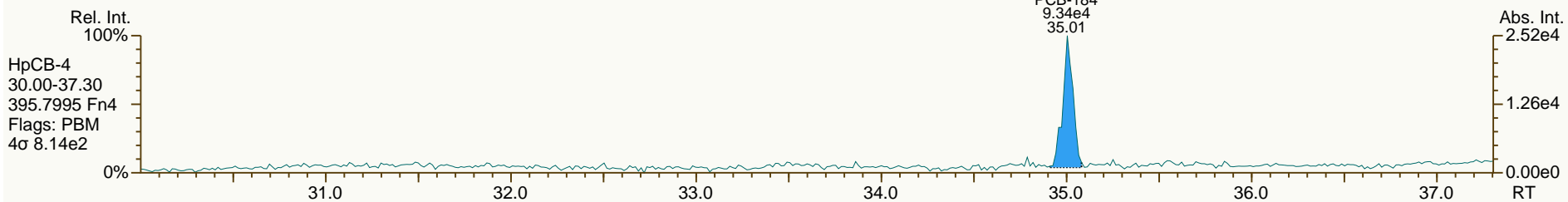
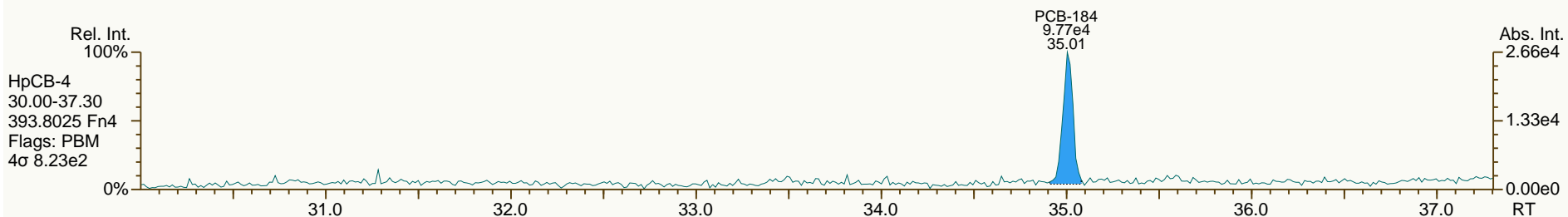
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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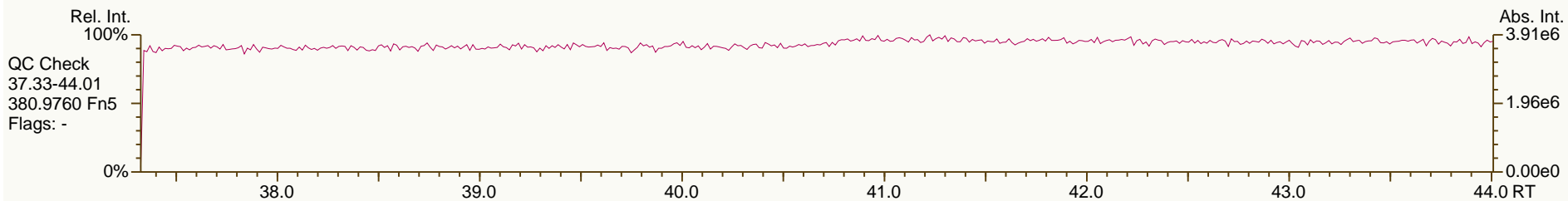
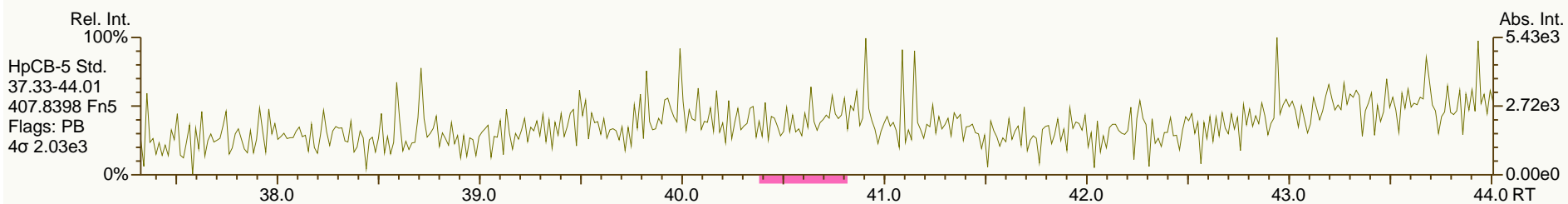
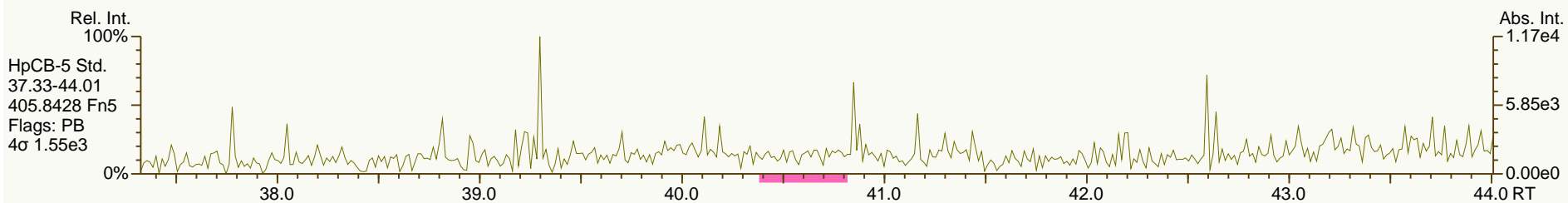
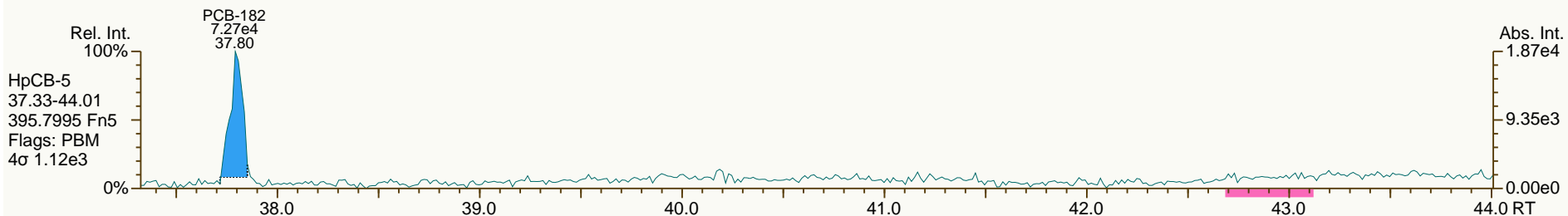
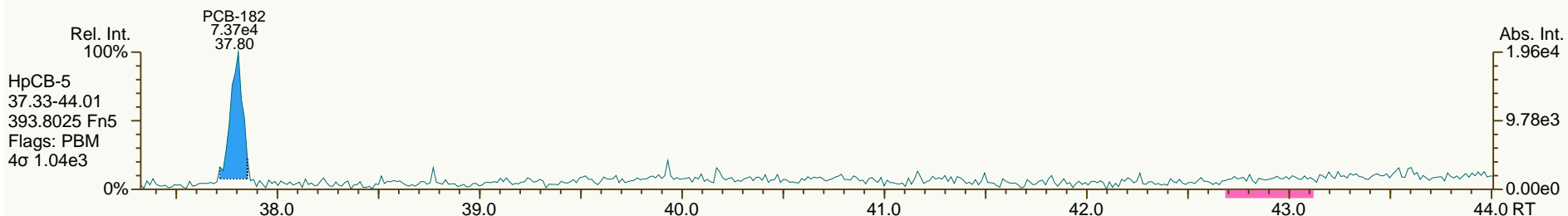
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

Acq: 02-Oct-2013 13:34:47
 User: JLJ Datafile: 131002V11



SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

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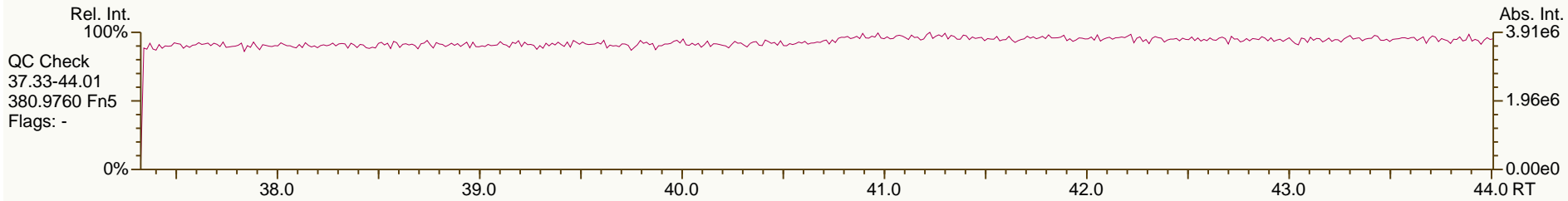
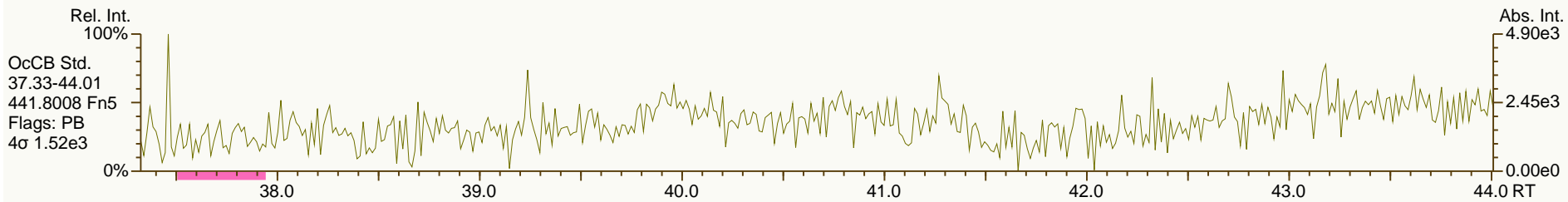
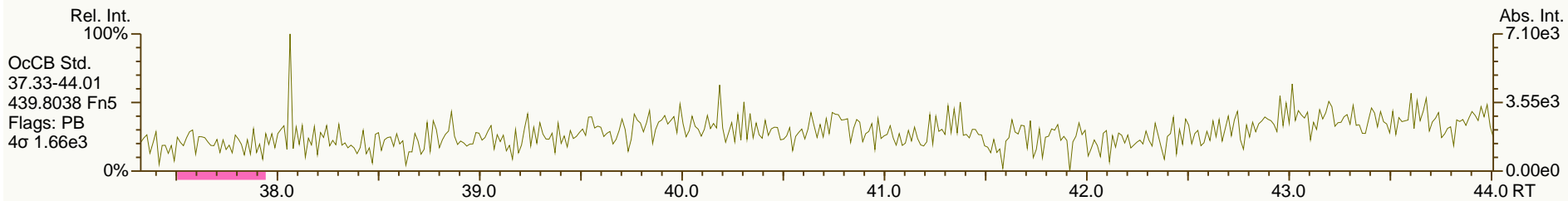
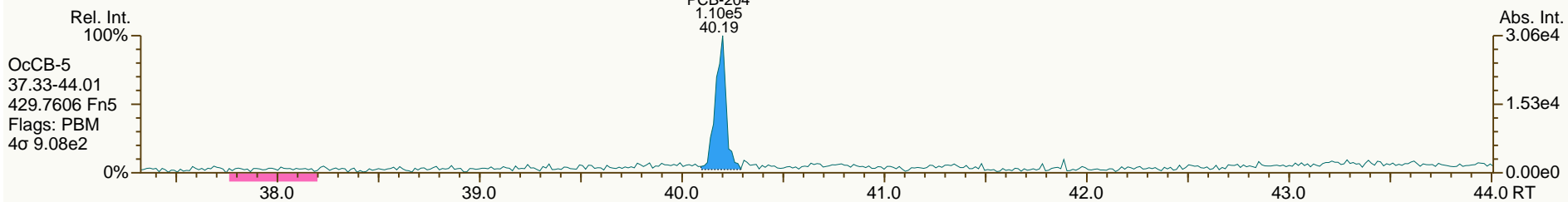
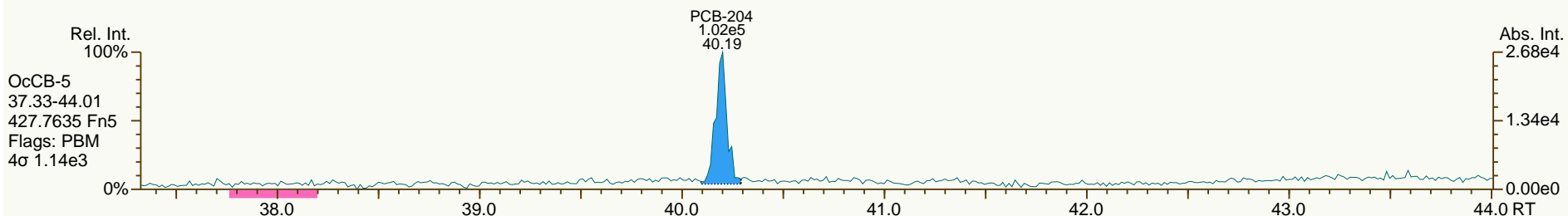
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 2

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SGS-AP ID: SBS_131002_PCB_VB
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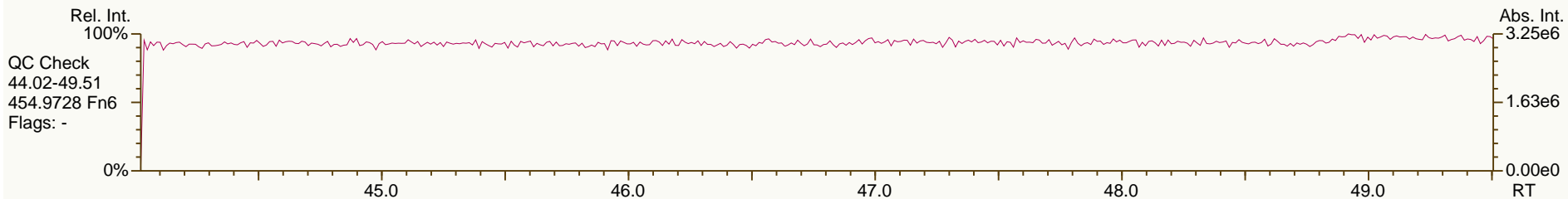
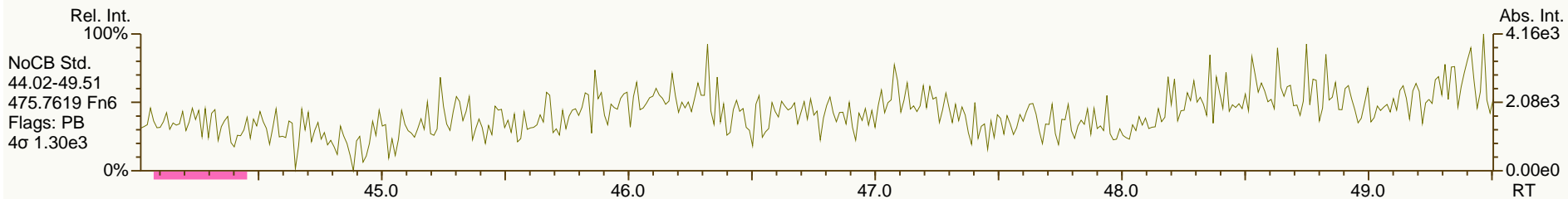
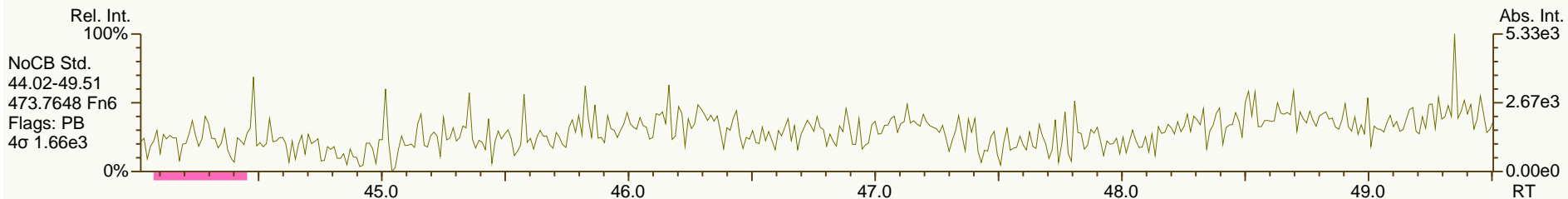
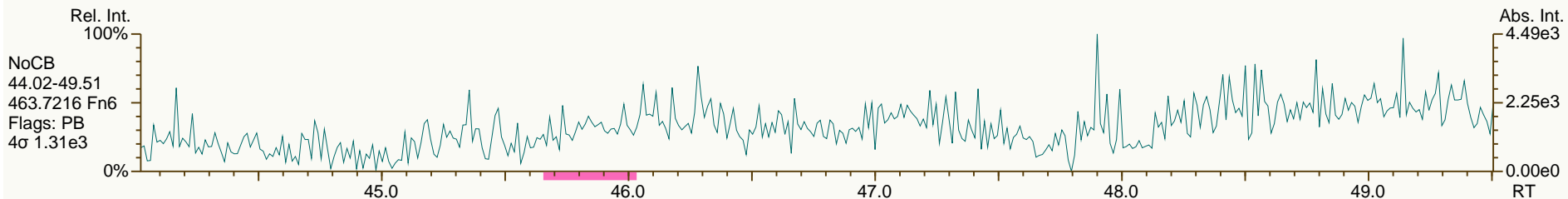
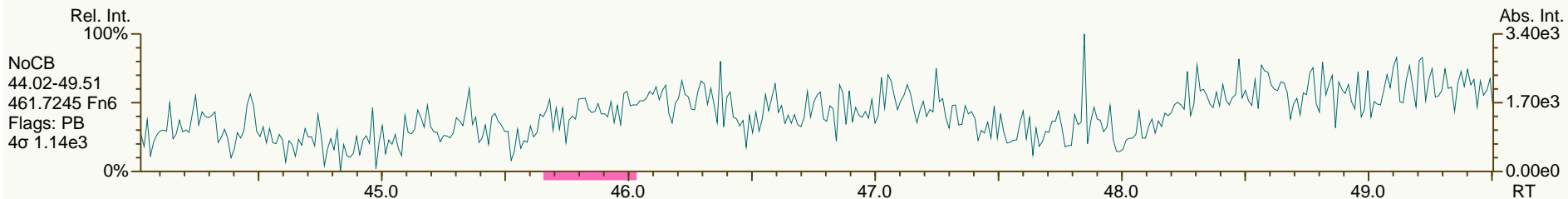
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Sample ID: SIL 9-41-1
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Acq: 02-Oct-2013 13:34:47
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SGS-AP ID: SBS_131002_PCB_VB
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 9-41-1
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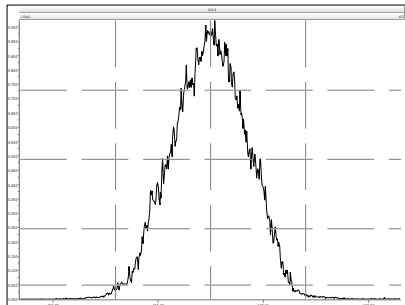
Resolution Check Report

MassLynx 4.1

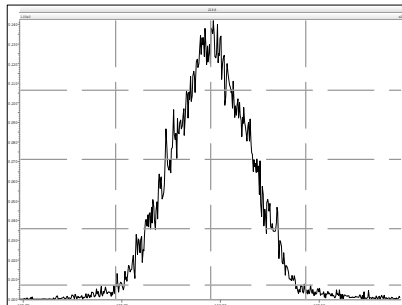
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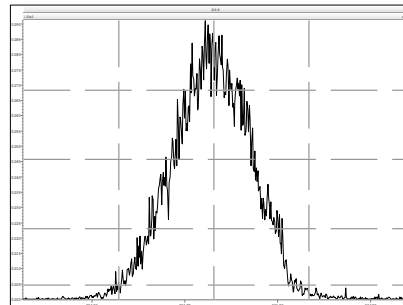
M 180.9888 R 11086



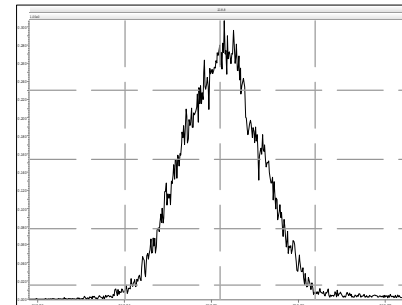
M 192.9888 R 11212



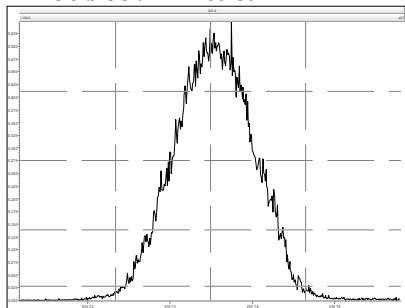
M 204.9888 R 11023



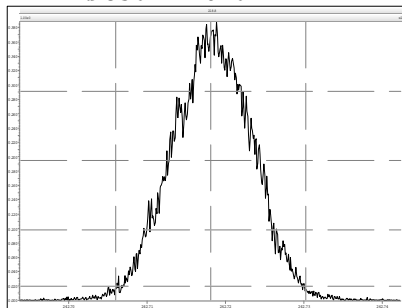
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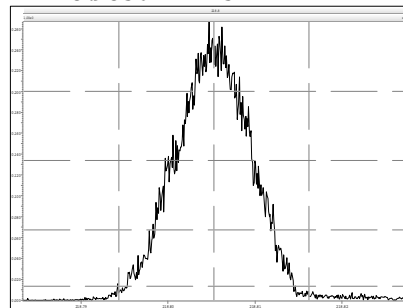
M 230.9856 R 10989



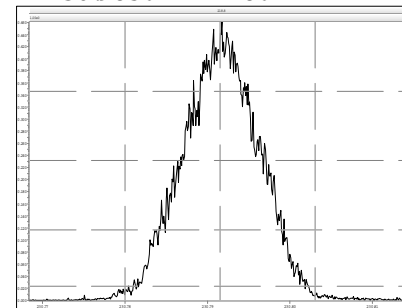
M 242.9856 R 10461



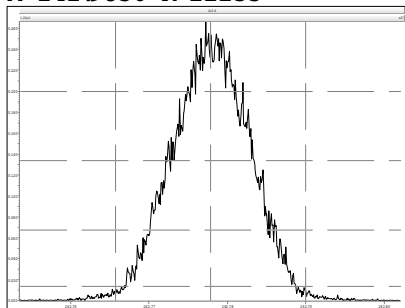
M 218.9856 R 11521



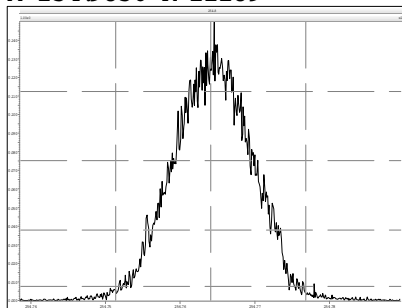
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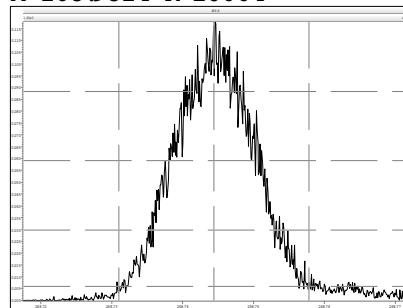
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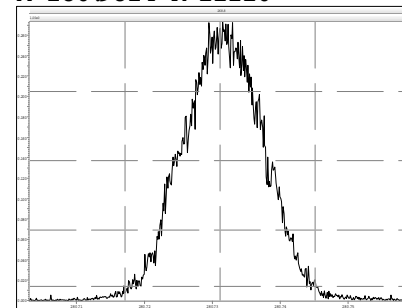
M 254.9856 R 11189



M 268.9824 R 10664

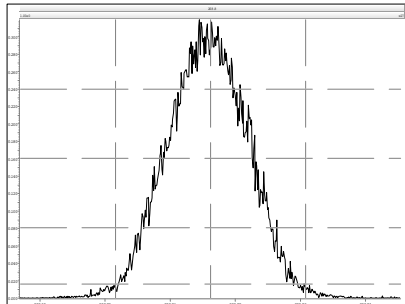


M 280.9824 R 11210

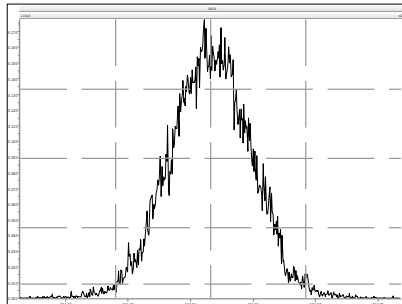


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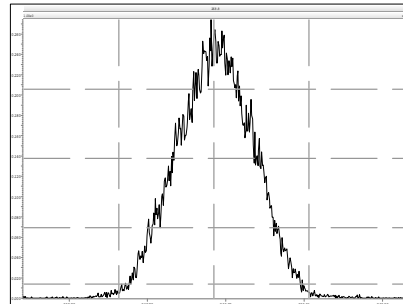
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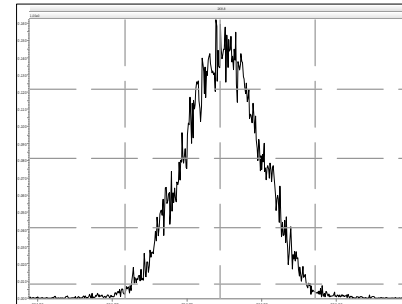
M 304.9824 R 10552



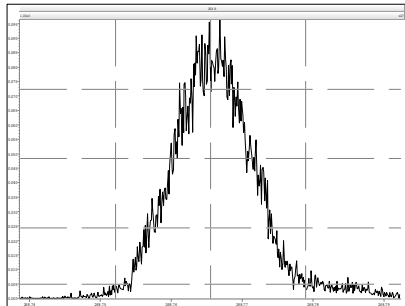
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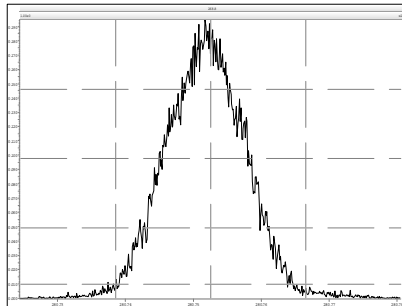
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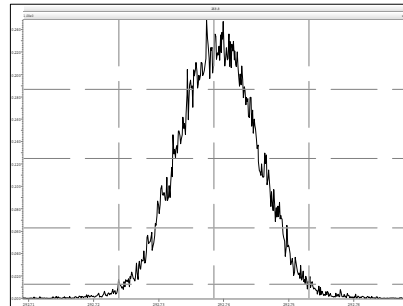
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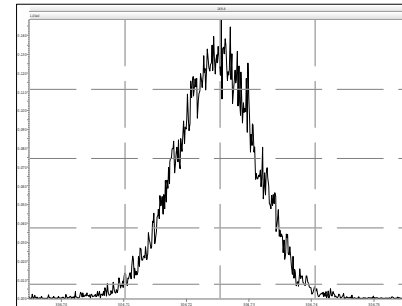
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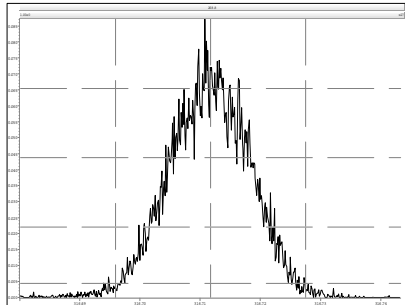
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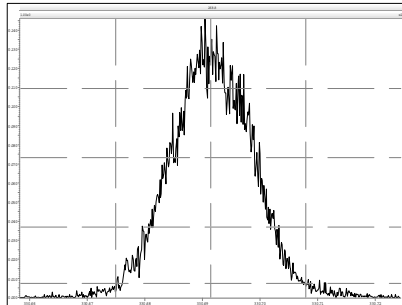
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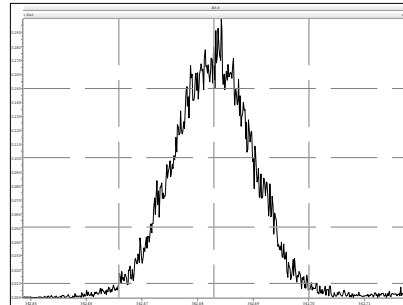
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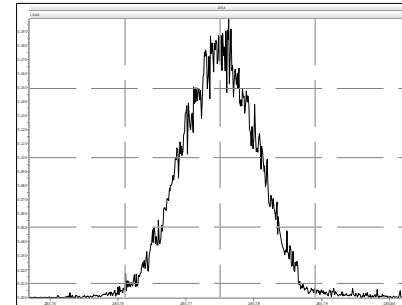
M 330.9792 R 10597



M 342.9792 R 10416



M 280.9824 R 11476



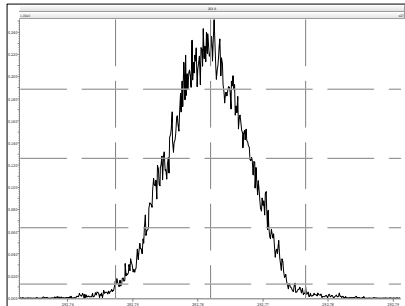
Resolution Check Report

MassLynx 4.1

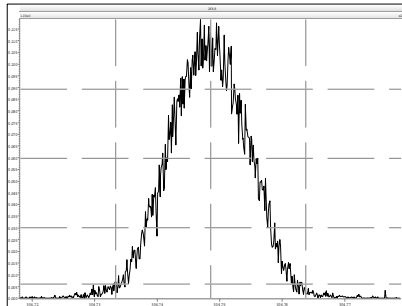
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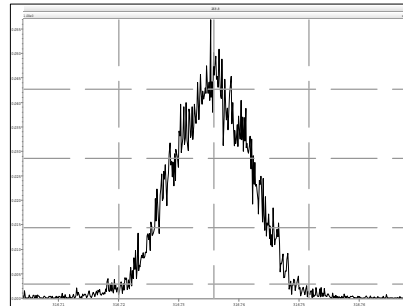
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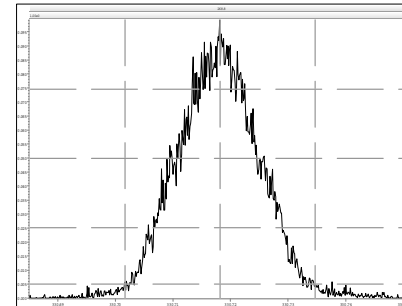
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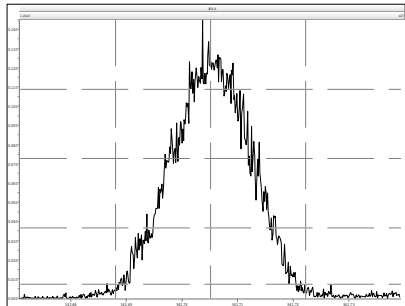
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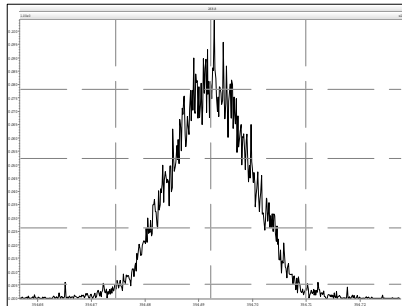
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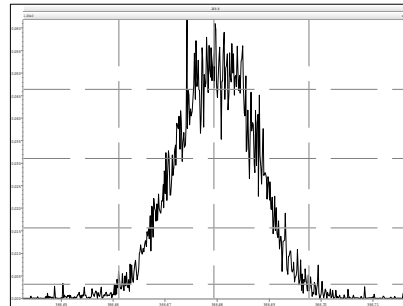
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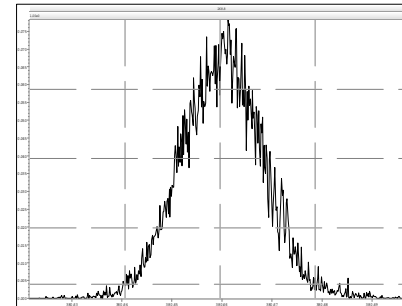
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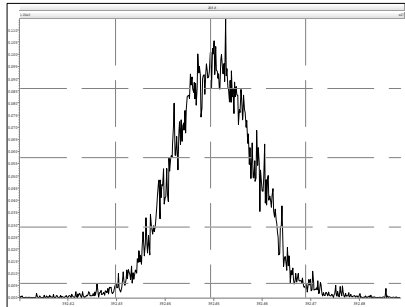
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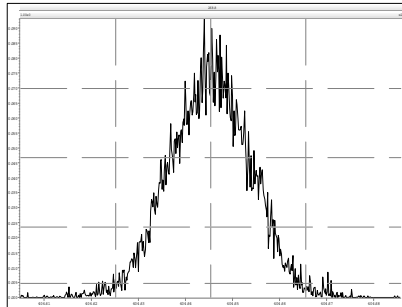
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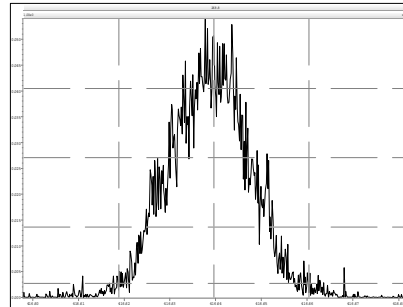
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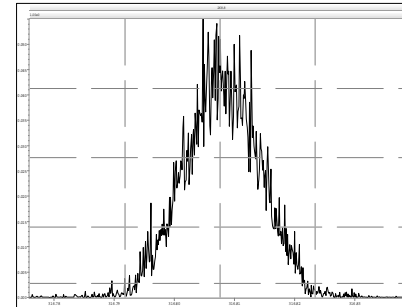
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M 416.9760 R 11290

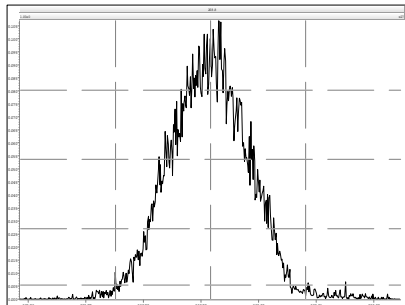


M 316.9824 R 11469

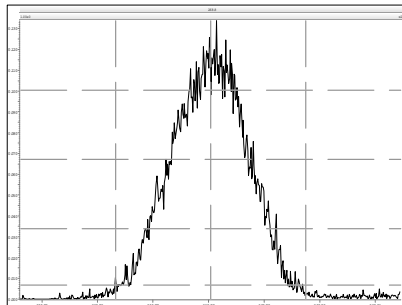


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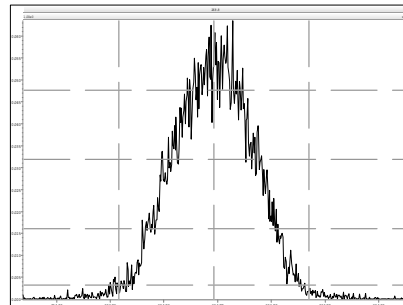
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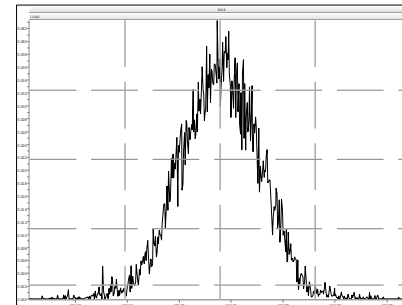
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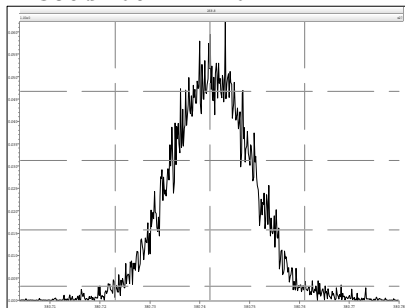
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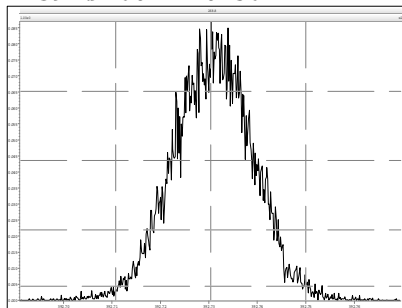
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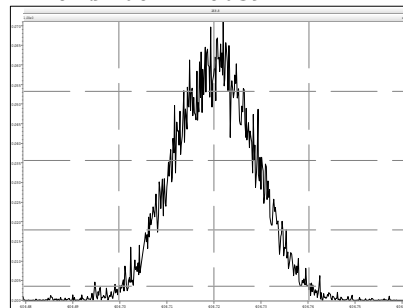
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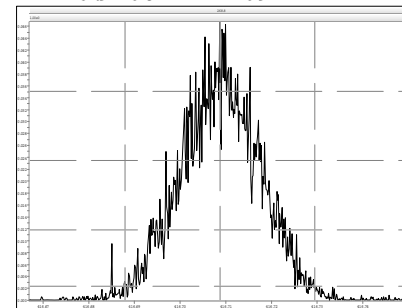
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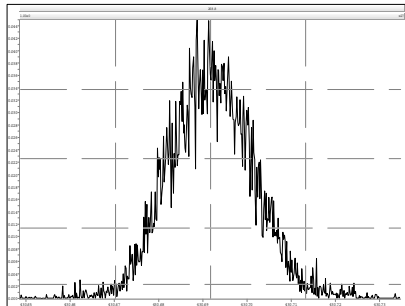
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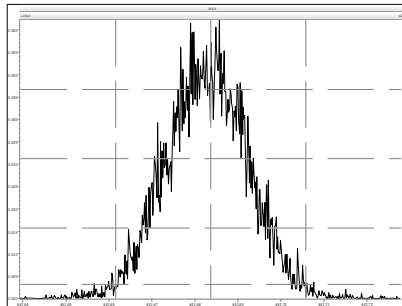
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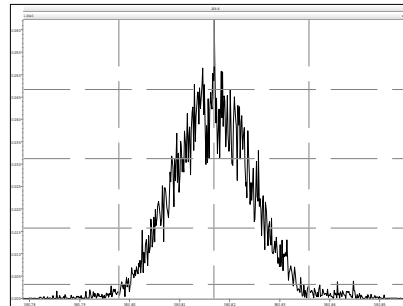
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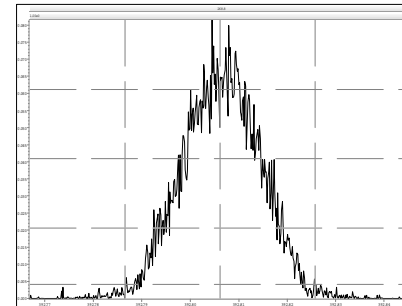
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M 380.9760 R 11261



M 392.9760 R 11654

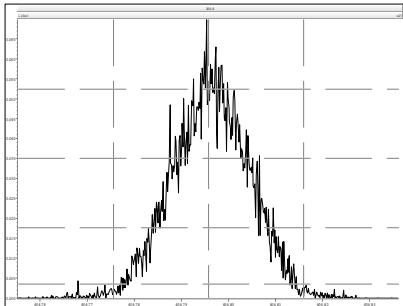


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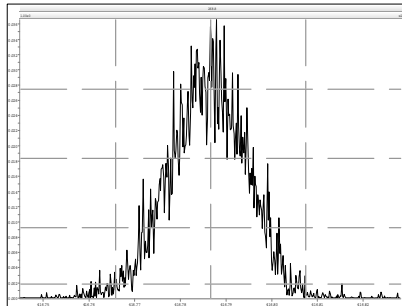
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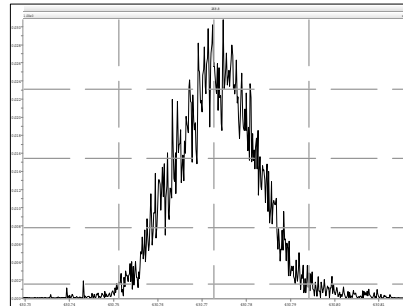
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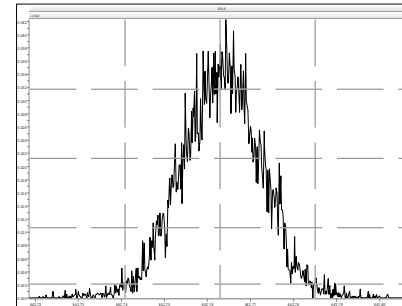
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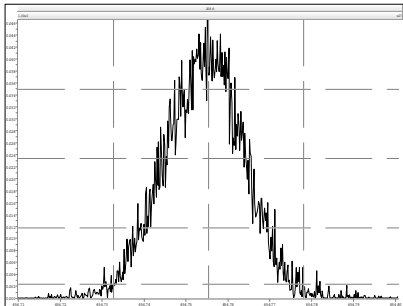
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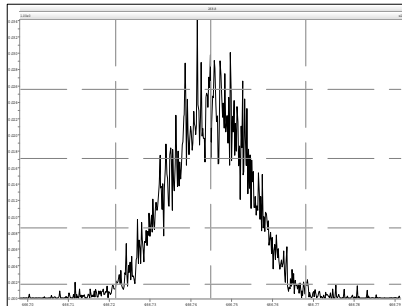
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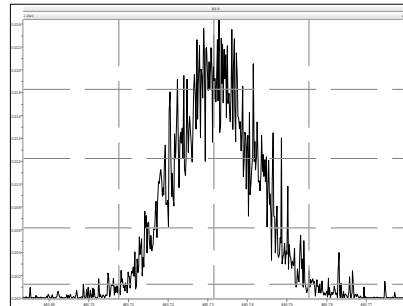
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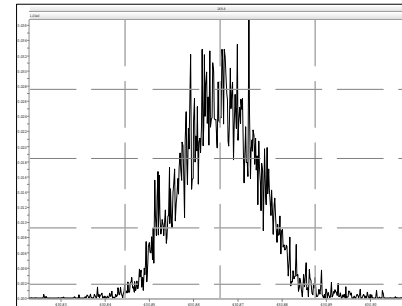
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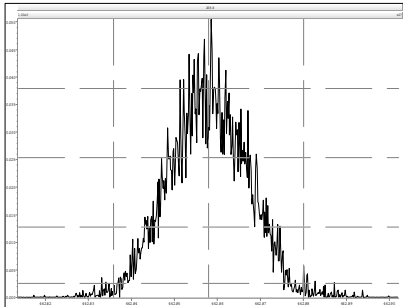
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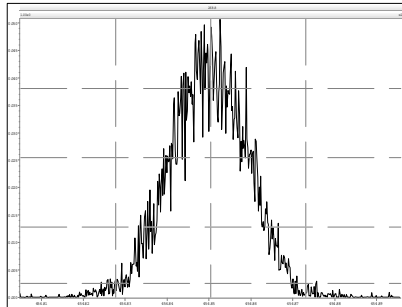
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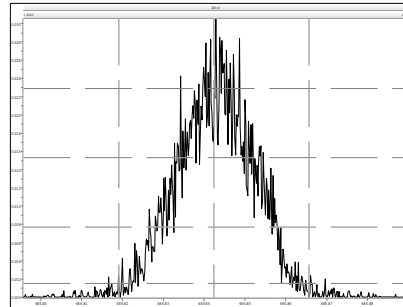
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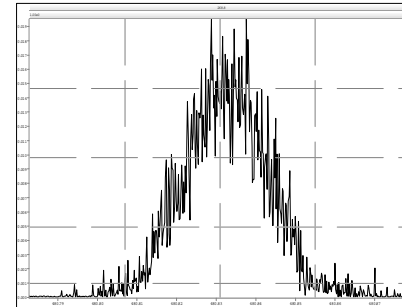
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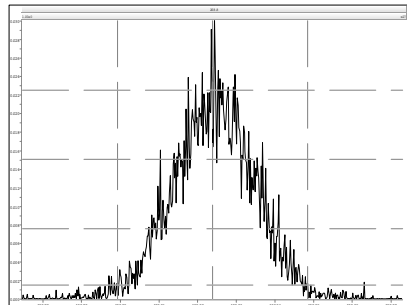


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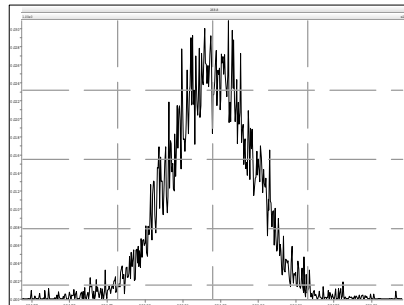


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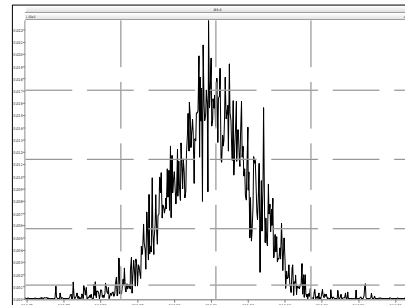
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M 504.9696 R 10941



M 516.9697 R 12048



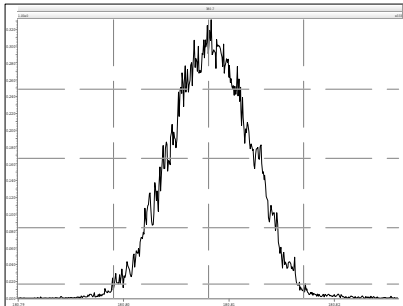
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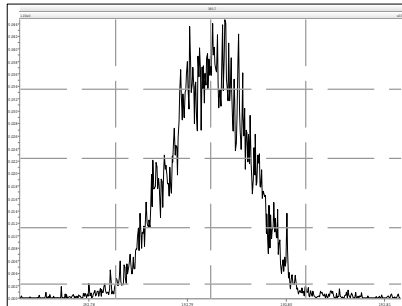
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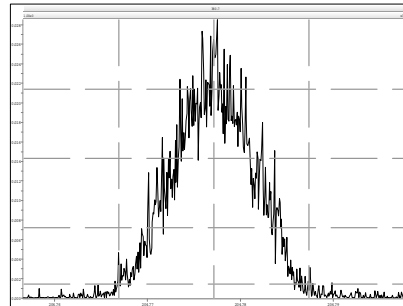
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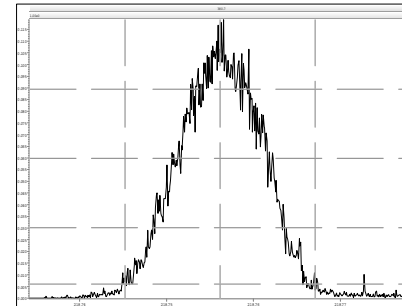
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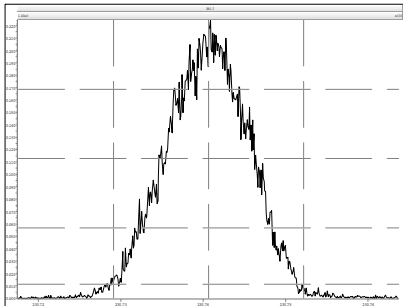
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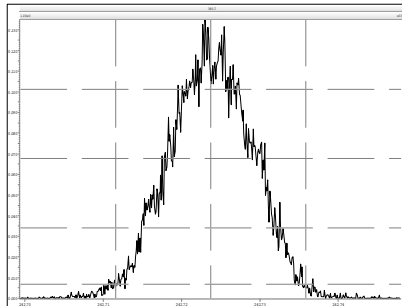
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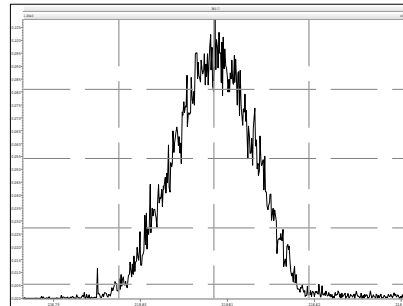
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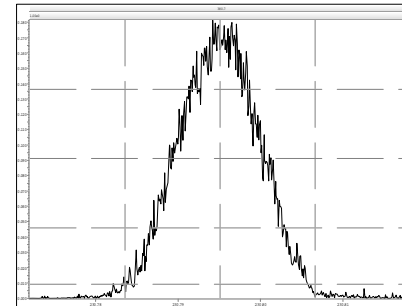
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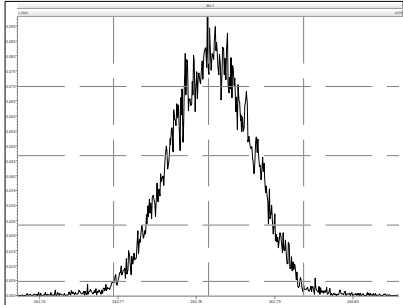
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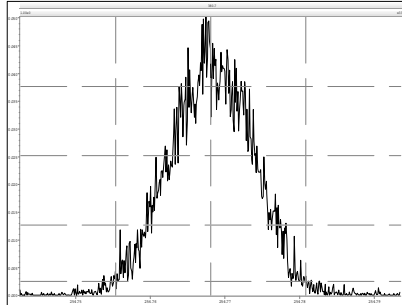
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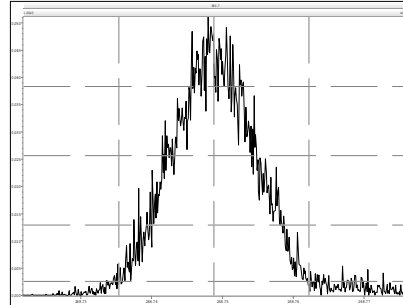
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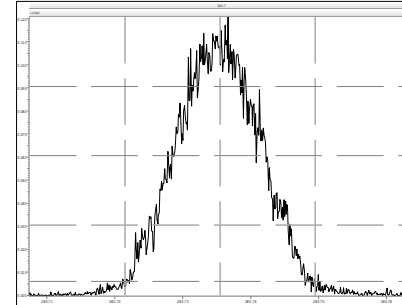
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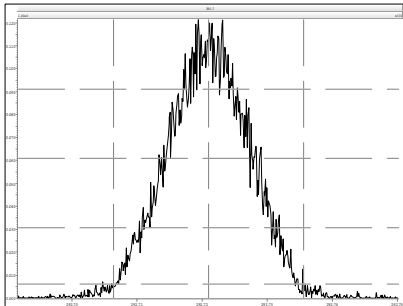


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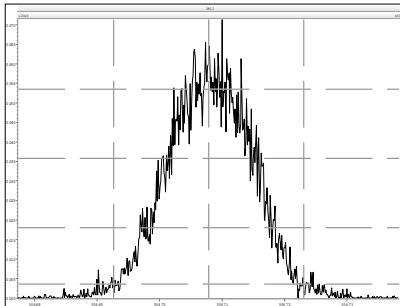
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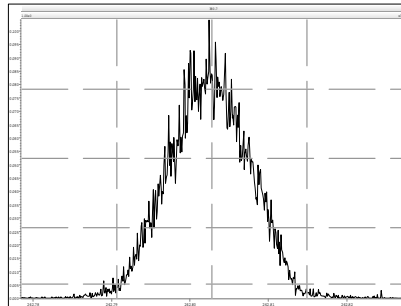
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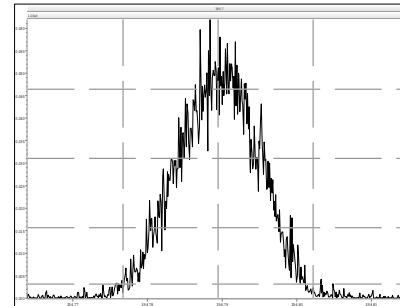
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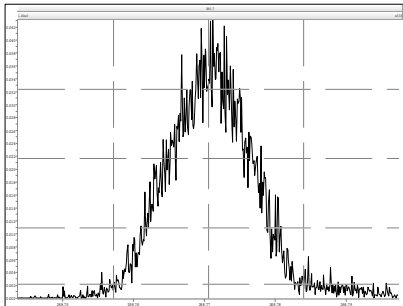
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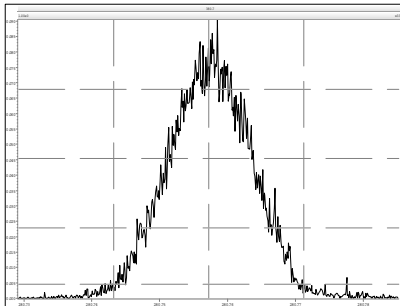
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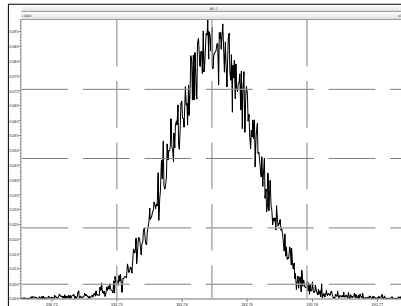
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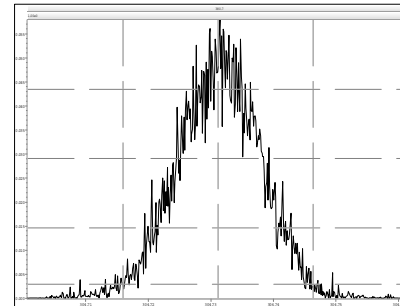
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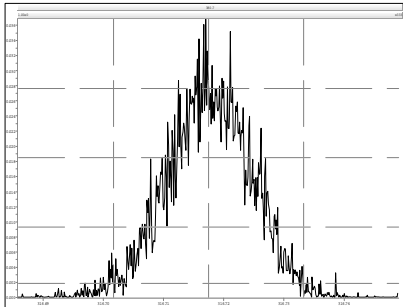
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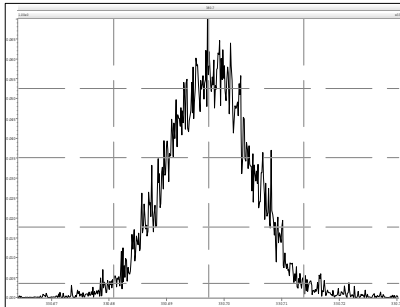
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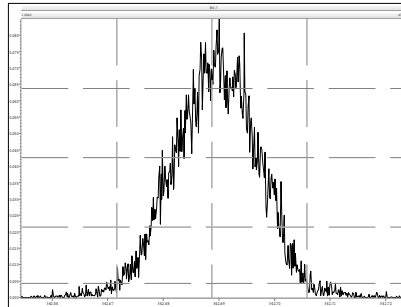
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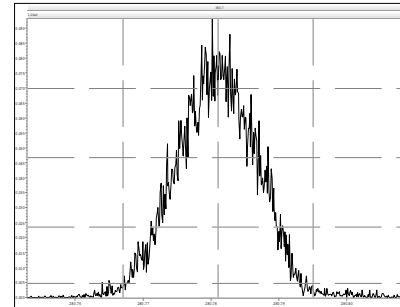
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M 342.9792 R 10445

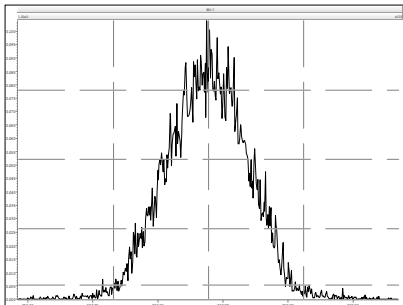


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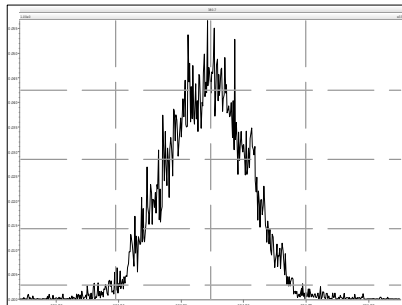


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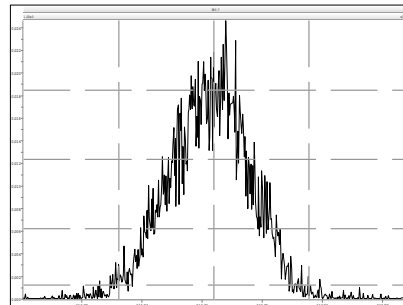
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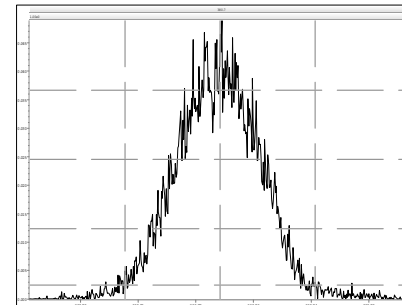
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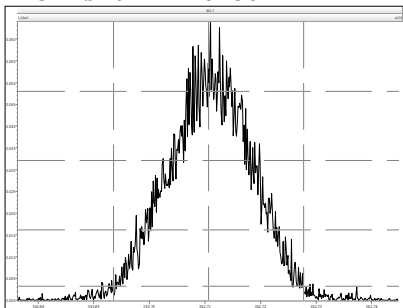
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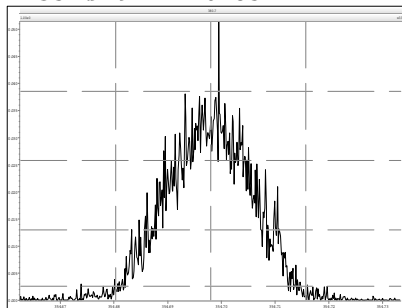
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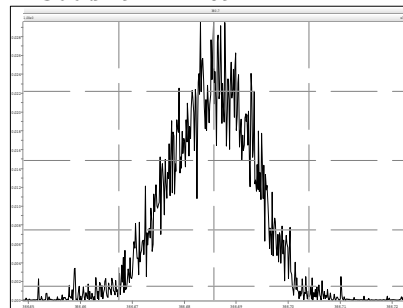
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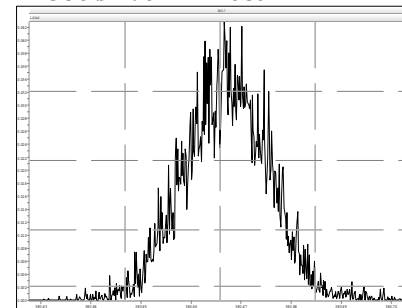
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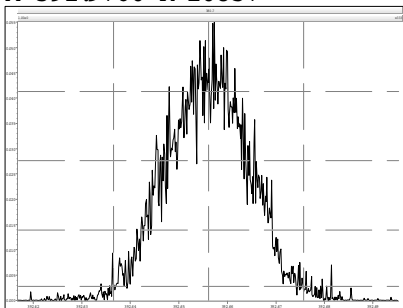
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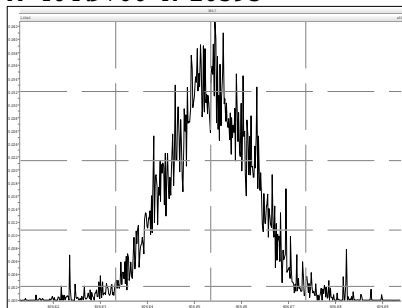
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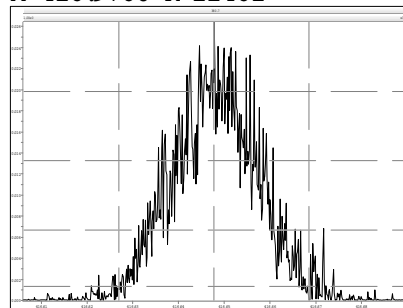
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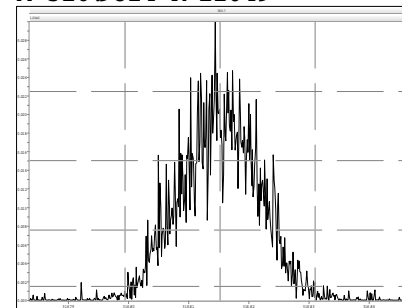
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M 416.9760 R 11462



M 316.9824 R 12049



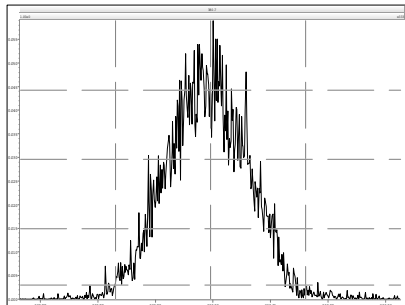
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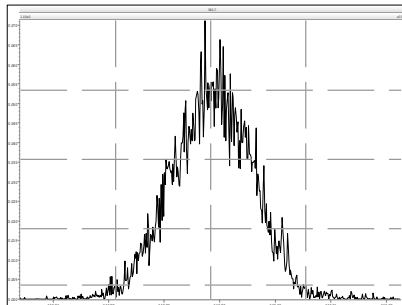
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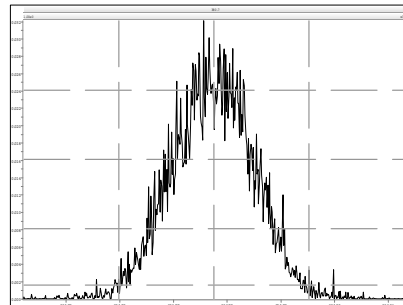
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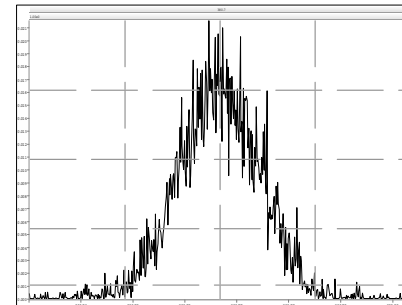
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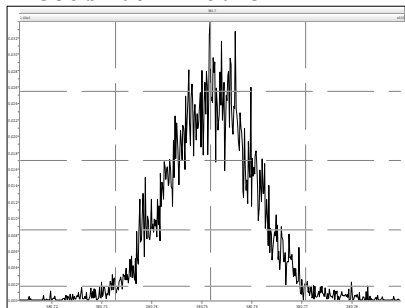
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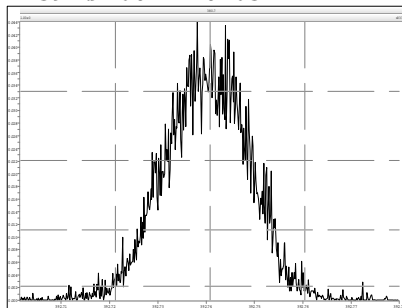
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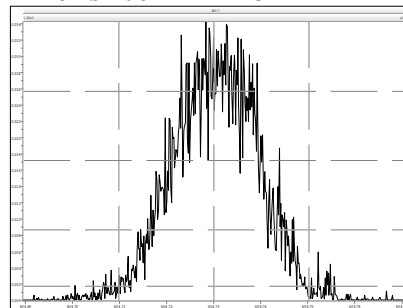
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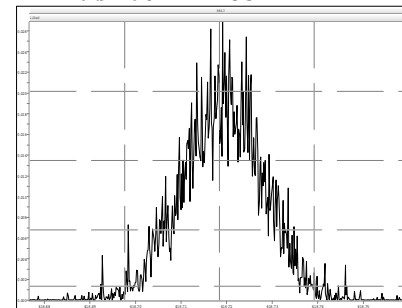
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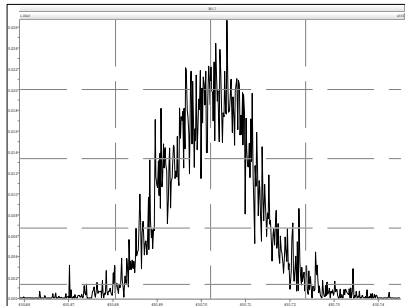
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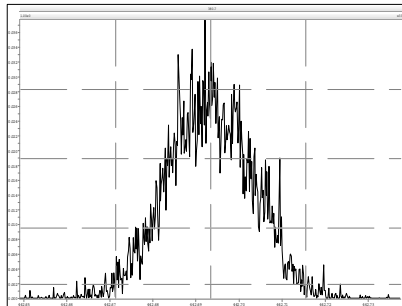
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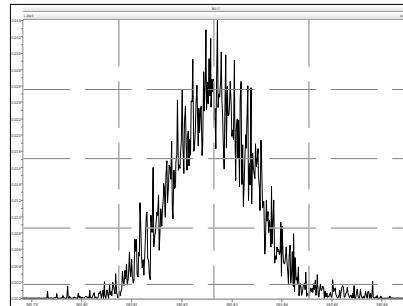
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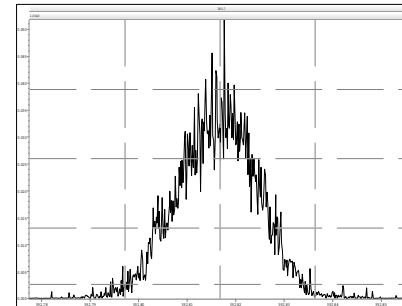
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M 392.9760 R 10965

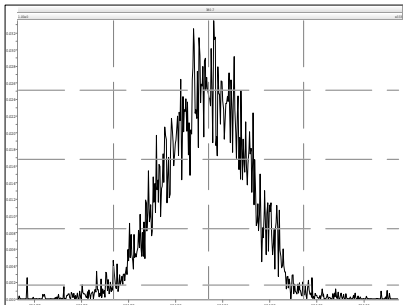


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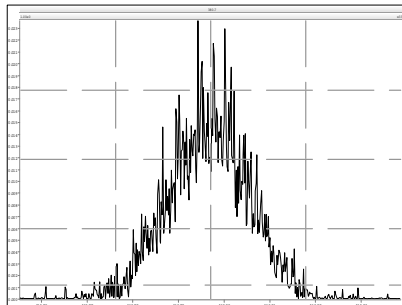
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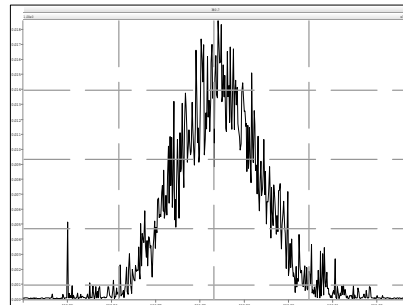
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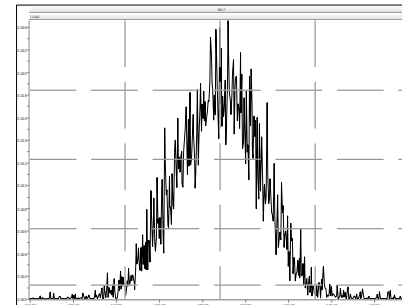
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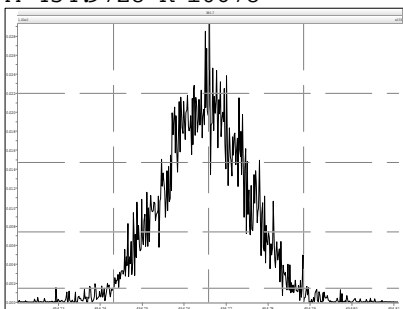
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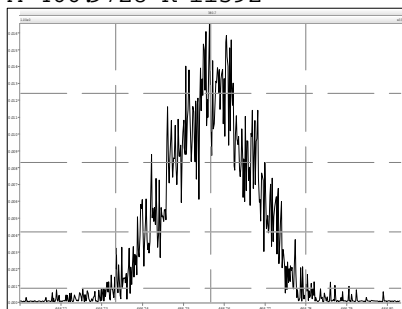
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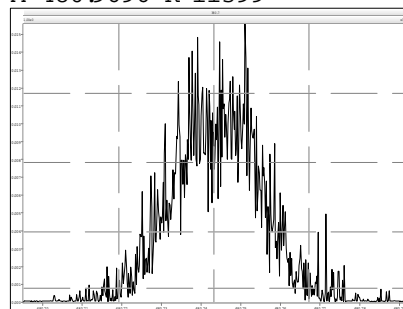
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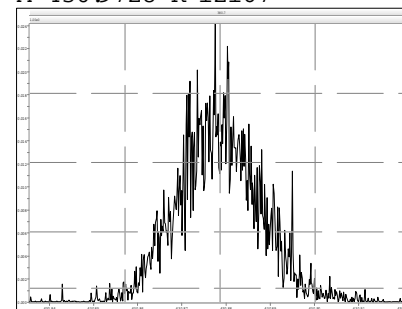
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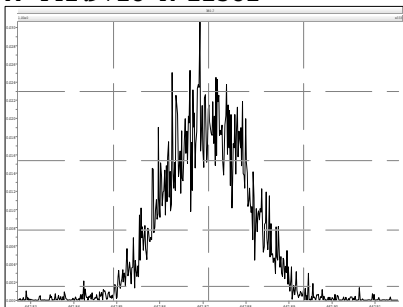
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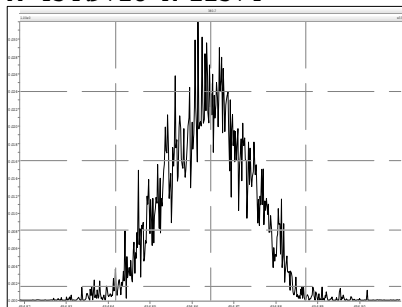
M 430.9728 R 12167



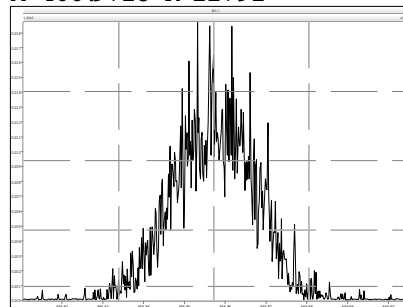
M 442.9728 R 11382



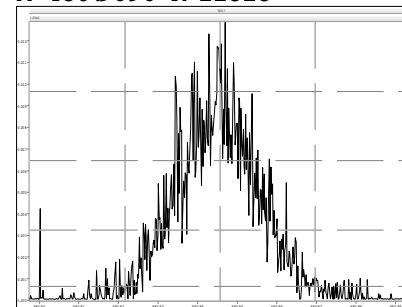
M 454.9728 R 11574



M 466.9728 R 11792

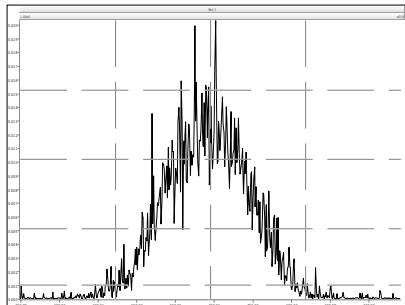


M 480.9696 R 11818

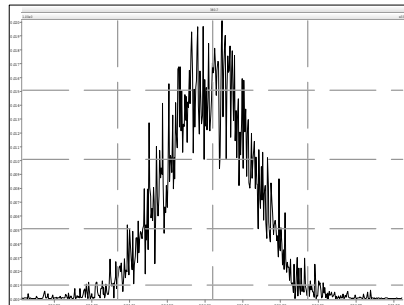


Printed: Wednesday, October 02, 2013 22:05:06 Eastern Daylight Time

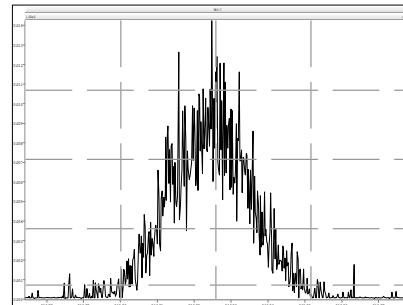
M 492.9696 R 10920



M 504.9696 R 11210



M 516.9697 R 11536



PCB ICAL Summary

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Date Processed: 27 Aug 2013 11:31

Name	Mean	% RSD	130826V04	130826V05	130826V06	130826V07	130826V08	130826V09
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-77 33'44'-TeCB	1.37	7.8%	1.32	1.32	1.22	1.37	1.51	1.46 ✓
PCB-81 344'5'-TeCB	1.20	6.4%	1.11	1.24	1.11	1.22	1.30	1.24
PCB-105 233'44'-PeCB	0.97	7.3%	0.97	0.91	0.88	0.98	1.05	1.05
PCB-114 2344'5'-PeCB	1.06	7.7%	1.02	0.98	0.97	1.08	1.15	1.16
PCB-118 23'44'5'-PeCB	1.00	8.9%	0.93	0.97	0.89	1.02	1.12	1.09
PCB-123 23'44'5'-PeCB	1.08	7.9%	1.01	1.03	0.98	1.10	1.18	1.16
PCB-126 33'44'5'-PeCB	1.08	6.7%	1.01	1.07	1.01	1.09 ✓	1.19	1.14
PCB-156/157 ...-HxCB	1.07	5.4%	1.00	1.05	1.00	1.10	1.14	1.11
PCB-167 23'44'55'-HxCB	1.11	6.8%	1.02	1.07	1.06	1.14	1.21	1.19
PCB-169 33'44'55'-HxCB	1.15	5.6%	1.15	1.10 ✓	1.05 ✓	1.17	1.24	1.19
PCB-189 233'44'55'-HpCB	1.10	4.4%	1.11 ✓	1.05 ✓	1.04 ✓	1.10	1.17	1.13
PCB-209 DeCB	1.04	5.7%	0.98 ✓	1.03	0.96	1.06	1.11	1.08
ES PCB-1	0.95	1.1%	0.95 ✓	0.96	0.96	0.95	0.94	0.93
ES PCB-3	0.85	1.2%	0.86	0.85	0.84	0.85	0.85	0.87
ES PCB-4	0.67	2.0%	0.67	0.68	0.68	0.67	0.66	0.64
ES PCB-15	0.94	5.1%	0.91	0.93	0.89	0.94	0.95	1.03
ES PCB-19	0.54	1.2%	0.54	0.55 ✓	0.55 ✓	0.55	0.54	0.53
ES PCB-37	1.08	8.0%	1.04	1.03	0.98 ✓	1.07	1.11	1.23
ES PCB-54	1.27	3.8%	1.31	1.32	1.28	1.30	1.22	1.21
ES PCB-77	0.84	9.9%	0.79	0.80	0.77	0.83	0.86	1.00
ES PCB-81	0.98	12.7%	0.91	0.91	0.86	0.96	1.03	1.21
ES PCB-104	1.69	6.1%	1.77	1.74	1.76	1.71 ✓	1.63	1.50
ES PCB-105	1.08	3.9%	1.03	1.08	1.05	1.08	1.08	1.15
ES PCB-114	1.11	3.8%	1.06	1.11	1.07	1.12	1.12	1.17
ES PCB-118	1.13	4.3%	1.07	1.10	1.12	1.13	1.12	1.22
ES PCB-123	1.10	4.8%	1.03	1.08	1.10	1.09	1.11	1.19
ES PCB-126	1.17	8.0%	1.07	1.13	1.12	1.19	1.19 ✓	1.34
ES PCB-153	1.19	3.2%	1.22	1.18	1.24	1.21	1.14	1.16
ES PCB-155	1.80	6.8%	1.88	1.83	1.94	1.84	1.73	1.59 ✓
ES PCB-156/157	1.13	5.2%	1.06	1.09	1.12	1.13	1.16	1.22
ES PCB-167	1.20	3.4%	1.14	1.16	1.22	1.22	1.21	1.25
ES PCB-169	1.00	7.6%	0.90	0.94	0.97	1.01	1.04	1.11
ES PCB-170	1.24	0.8%	1.22	1.24	1.24	1.25	1.24	1.25
ES PCB-180	1.51	2.3%	1.47	1.47	1.49	1.52	1.53	1.56
ES PCB-188	2.06	5.2%	2.10	2.11	2.19	2.08	2.00	1.88
ES PCB-189	1.78	4.2%	1.72	1.74	1.72	1.79	1.81	1.92
ES PCB-202	1.66	5.1%	1.65	1.69	1.80	1.66	1.61	1.54
ES PCB-205	1.22	1.4%	1.19	1.22	1.21	1.22	1.22	1.24
ES PCB-206	1.23	1.7%	1.21	1.26	1.24	1.25	1.24	1.21

APPROVED

By Jeremy Kadylak at 9:15 am, Sep 26, 2013

PCB ICAL Summary

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Name	Mean	% RSD	130826V04	130826V05	130826V06	130826V07	130826V08	130826V09
			0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
ES PCB-208	1.60	2.9%	1.59	1.65	1.66	1.62	1.57	1.54
ES PCB-209	1.31	2.1%	1.30	1.35	1.33	1.30	1.29	1.28
SS PCB-28	1.25	4.8%	1.27	1.30	1.32	1.26	1.22	1.15
SS PCB-111	1.15	3.7%	1.21	1.19	1.16	1.14	1.13	1.09
SS PCB-178	0.54	2.8%	0.54	0.53	0.53	0.52	0.55	0.56
CS PCB-28	1.34	3.0%	1.32	1.33	1.30	1.35	1.35	1.42
CS PCB-111	1.27	1.8%	1.24	1.28	1.28	1.25	1.25	1.30
CS PCB-178	1.11	3.5%	1.12	1.12	1.16	1.08	1.10	1.05
PCB-1 2-MoCB	1.19	6.3%	1.10	1.19	1.11	1.23	1.29 	1.23
PCB-3 4-MoCB	1.24	4.5%	1.22	1.21	1.16	1.27	1.32	1.26
PCB-4 22'-DiCB	0.88	8.3%	0.80	0.84	0.82	0.91	0.97	0.96
PCB-15 44'-DiCB	1.01	8.1%	0.92	1.01	0.92	1.05	1.12	1.07
PCB-19 22'6-TrCB	0.92	5.9%	0.85	0.90	0.88	0.95	0.99	0.97
PCB-37 344'-TrCB	1.35	6.8%	1.24	1.34	1.26	1.42	1.47	1.39
PCB-54 22'66'-TeCB	1.08	7.3%	0.99	1.07	1.00	1.09	1.18	1.16
PCB-104 22'466'-PeCB	1.12	7.2%	1.05	1.07	1.04	1.14	1.22	1.21
PCB-153/168 ...-HxCB	1.33	11.6%	1.15	1.25	1.22	1.35	1.53	1.50
PCB-155 22'44'66'-HxCB	1.21	8.0%	1.14	1.13	1.13	1.19	1.32	1.34
PCB-170 22'33'44'5'-HpCB	0.99	5.8%	0.93	0.93	0.97	1.00	1.06	1.05
PCB-180/193 ...-HpCB	1.08	5.4%	0.99	1.08	1.03	1.08	1.15	1.12
PCB-188 22'34'566'-HpCB	0.91	9.1%	0.85	0.85	0.82	0.91	1.01	1.00
PCB-202 22'33'55'66'-OcCB	0.86	8.6%	0.75	0.85	0.81	0.89	0.95	0.92
PCB-205 233'44'55'6'-OcCB	1.09	5.9%	1.00	1.12	1.02	1.10	1.15	1.15
PCB-208 22'33'455'66'-NoCB	1.00	6.4%	0.91	1.03	0.93	1.00	1.07	1.04
PCB-206 22'33'44'55'6'-NoCB	0.85	3.7%	0.82	0.86	0.81	0.85	0.89	0.88

PCB ICAL Summary - Ax2 Detail

SGS Analytical Perspectives

Printed: 27 Aug 2013 11:31

ICAL: MM6_PCB_07122013_27AUG2013

Acquired: 26 Aug 2013

Name	Mean	% RSD	0.5	1	5	50	400	2000
			CS0	CS1	CS2	CS3	CS4	CS5
PCB-1 2-MoCB	1.19	6.3%	1.10	1.19	1.11	1.23	1.29	1.23
PCB-2 3-MoCB	1.25	5.0%	1.20	1.24	1.17	1.29	1.35	1.28
PCB-3 4-MoCB	1.24	4.5%	1.22	1.21	1.16	1.27	1.32	1.26
PCB-4 22'-DiCB	0.88	8.3%	0.80	0.84	0.82	0.91	0.97	0.96
PCB-10 26-DiCB	1.40	9.1%	1.22	1.40	1.30	1.43	1.54	1.53
PCB-9 25-DiCB	0.98	9.1%	0.85	0.91	1.02	1.05	1.09	0.98
PCB-7 24-DiCB	1.12	5.7%	1.04	1.09	1.08	1.16	1.23	1.12
PCB-6 23'-DiCB	1.04	7.4%	0.99	0.93	1.04	1.09	1.15	1.05
PCB-5 23-DiCB	1.05	7.1%	0.94	1.00	1.04	1.10	1.15	1.06
PCB-8 24'-DiCB	1.10	4.2%	1.07	1.07	1.07	1.11	1.18	1.06
PCB-14 35-DiCB	1.24	5.9%	1.13	1.27	1.20	1.25	1.35	1.24
PCB-11 33'-DiCB	1.01	5.9%	0.97	1.05	0.92	1.01	1.09	1.03
PCB-13/12 34'/34-DiCB	0.99	7.7%	0.88	0.98	0.93	1.00	1.09	1.04
PCB-15 44'-DiCB	1.01	8.1%	0.92	1.01	0.92	1.05	1.12	1.07
PCB-19 22'6-TrCB	0.92	5.9%	0.85	0.90	0.88	0.95	0.99	0.97
PCB-30/18 246/22'5-TrCB	1.20	8.2%	1.08	1.18	1.11	1.23	1.32	1.31
PCB-17 22'4-TrCB	1.04	9.1%	0.89	1.04	0.96	1.06	1.13	1.13
PCB-27 23'6-TrCB	1.42	7.7%	1.29	1.40	1.30	1.43	1.54	1.54
PCB-24 236-TrCB	1.35	8.0%	1.19	1.31	1.27	1.39	1.45	1.47
PCB-16 22'3-TrCB	0.77	10.5%	0.69	0.74	0.69	0.76	0.87	0.87
PCB-32 24'6-TrCB	1.52	5.5%	1.45	1.52	1.41	1.53	1.62	1.60
PCB-34 23'5'-TrCB	1.64	5.0%	1.54	1.71	1.65	1.69	1.70	1.53
PCB-23 235-TrCB	1.65	5.0%	1.56	1.69	1.69	1.72	1.73	1.54
PCB-26/29 23'5/245-TrCB	1.65	4.9%	1.57	1.73	1.63	1.70	1.73	1.56
PCB-25 23'4-TrCB	1.64	7.4%	1.42	1.71	1.68	1.70	1.75	1.58
PCB-31 24'5-TrCB	1.71	4.7%	1.63	1.77	1.70	1.78	1.78	1.60
PCB-28/20 244'/233'-TrCB	1.60	5.0%	1.51	1.67	1.59	1.66	1.68	1.50
PCB-21/33 234/23'4'-TrCB	1.64	5.5%	1.52	1.65	1.62	1.70	1.78	1.59
PCB-22 234'-TrCB	1.49	5.3%	1.38	1.57	1.48	1.53	1.57	1.42
PCB-36 33'5-TrCB	1.57	5.0%	1.45	1.58	1.55	1.60	1.69	1.55
PCB-39 34'5-TrCB	1.61	4.4%	1.51	1.61	1.56	1.64	1.72	1.61
PCB-38 345-TrCB	1.48	5.5%	1.39	1.48	1.40	1.52	1.61	1.45
PCB-35 33'4-TrCB	1.30	6.3%	1.16	1.32	1.29	1.33	1.40	1.34
PCB-37 344'-TrCB	1.35	6.8%	1.24	1.34	1.26	1.42	1.47	1.39
PCB-54 22'66'-TeCB	1.08	7.3%	0.99	1.07	1.00	1.09	1.18	1.16
PCB-50/53 22'46/22'56'-TeCB	0.98	7.2%	0.98	1.00	1.02	1.03	1.01	0.84
PCB-45 22'36'-TeCB	0.85	10.6%	0.84	0.87	0.92	0.89	0.93	0.68
PCB-51 22'46'-TeCB	0.98	11.0%	0.92	1.11	1.02	1.04	0.98	0.81
PCB-46 22'36'-TeCB	0.79	7.8%	0.78	0.82	0.85	0.83	0.81	0.68
PCB-52 22'55'-TeCB	0.94	7.5%	0.94	0.98	0.98	0.98	0.96	0.80

PCB-73 23'5'6-TeCB	1.23	7.9%	1.18	1.27	1.30	1.28	1.30	1.05
PCB-43 22'35-TeCB	0.78	5.5%	0.74	0.82	0.81	0.83	0.77	0.72
PCB-69/49 23'46/22'45'-TeCB	1.12	6.0%	1.09	1.16	1.15	1.16	1.16	0.99
PCB-48 22'45-TeCB	0.95	6.1%	0.92	1.00	0.98	0.97	0.97	0.84
PCB-44/47/65 ...-TeCB	1.00	6.4%	0.97	1.04	1.03	1.03	1.04	0.88
PCB-59/62/75 ...-TeCB	1.25	6.6%	1.19	1.29	1.25	1.31	1.33	1.12
PCB-42 22'34'-TeCB	0.83	8.8%	0.73	0.86	0.90	0.89	0.87	0.75
PCB-41 22'34-TeCB	0.75	8.5%	0.71	0.79	0.78	0.78	0.83	0.65
PCB-71/40 23'4'6/22'33'-TeCB	0.94	4.6%	0.92	0.98	0.96	0.98	0.96	0.87
PCB-64 234'6-TeCB	1.31	5.6%	1.25	1.36	1.32	1.37	1.38	1.20
PCB-72 23'55'-TeCB	1.35	5.4%	1.23	1.40	1.34	1.37	1.44	1.31
PCB-68 23'45'-TeCB	1.51	4.2%	1.42	1.54	1.48	1.55	1.59	1.46
PCB-57 233'5-TeCB	1.34	5.1%	1.25	1.40	1.34	1.37	1.42	1.27
PCB-58 233'5'-TeCB	1.41	4.6%	1.36	1.48	1.36	1.44	1.49	1.34
PCB-67 23'45-TeCB	1.42	6.1%	1.32	1.45	1.35	1.48	1.55	1.38
PCB-63 234'5-TeCB	1.52	4.4%	1.45	1.56	1.49	1.56	1.62	1.46
PCB-61/70/74/76 ...-TeCB	1.36	6.2%	1.24	1.35	1.33	1.40	1.50	1.35
PCB-66 23'44'-TeCB	1.28	5.7%	1.16	1.34	1.26	1.30	1.36	1.23
PCB-55 233'4-TeCB	1.24	5.7%	1.13	1.24	1.21	1.27	1.34	1.22
PCB-56 233'4'-TeCB	1.22	4.3%	1.15	1.26	1.19	1.24	1.28	1.17
PCB-60 2344'-TeCB	1.27	6.1%	1.15	1.31	1.24	1.33	1.37	1.25
PCB-80 33'55'-TeCB	1.45	5.2%	1.35	1.53	1.39	1.47	1.54	1.43
PCB-79 33'45'-TeCB	1.45	6.0%	1.38	1.45	1.35	1.49	1.60	1.44
PCB-78 33'45-TeCB	1.10	6.2%	1.01	1.12	1.03	1.13	1.19	1.12
PCB-104 22'466'-PeCB	1.12	7.2%	1.05	1.07	1.04	1.14	1.22	1.21
PCB-96 22'366'-PeCB	0.95	8.5%	0.87	0.92	0.86	0.98	1.06	1.03
PCB-103 22'45'6-PeCB	0.99	6.6%	1.10	0.99	0.91	0.99	1.01	0.95
PCB-94 22'356'-PeCB	0.85	5.6%	0.91	0.84	0.79	0.86	0.90	0.81
PCB-95 22'35'6-PeCB	0.92	7.3%	1.02	0.96	0.82	0.91	0.93	0.87
PCB-100/93 22'44'6/22'356-PeCB	0.92	7.0%	0.91	0.96	0.81	0.96	1.00	0.90
PCB-102 22'456'-PeCB	1.03	9.3%	1.13	0.91	0.95	0.96	1.14	1.06
PCB-98 22'34'6'-PeCB	0.81	10.3%	0.70	0.89	0.80	0.90	0.83	0.72
PCB-88 22'346-PeCB	0.74	11.1%	0.69	0.69	0.68	0.70	0.86	0.84
PCB-91 22'34'6-PeCB	1.06	7.2%	1.09	1.09	0.99	1.15	1.11	0.95
PCB-84 22'33'6-PeCB	0.77	7.1%	0.84	0.82	0.70	0.76	0.78	0.72
PCB-89 22'346'-PeCB	0.82	4.1%	0.84	0.85	0.78	0.81	0.85	0.77
PCB-121 23'45'6-PeCB	1.21	6.1%	1.28	1.20	1.09	1.22	1.29	1.20
PCB-92 22'355'-PeCB	0.84	5.9%	0.90	0.84	0.76	0.82	0.87	0.81
PCB-113/90/101 ...-PeCB	1.00	5.0%	1.01	0.99	0.91	1.01	1.07	0.99
PCB-83 22'33'5-PeCB	0.71	7.6%	0.77	0.72	0.61	0.71	0.73	0.70
PCB-99 22'44'5-PeCB	0.90	6.9%	0.89	0.87	0.87	0.88	1.03	0.87
PCB-112 233'56-PeCB	1.13	6.0%	1.21	1.10	1.02	1.15	1.18	1.10
PCB-108/119/86/97/125...-PeCB	0.99	7.6%	0.95	0.96	0.89	1.02	1.11	1.01
PCB-117 234'56-PeCB	1.10	8.1%	1.10	1.11	0.99	1.08	1.26	1.05
PCB-116/85 23456/22'344'-PeCB	0.95	5.5%	0.92	0.95	0.87	0.98	0.99	1.02
PCB-110 233'4'6-PeCB	1.05	5.5%	1.11	1.01	0.96	1.06	1.10	1.06
PCB-115 2344'6-PeCB	1.13	6.7%	1.15	1.14	0.99	1.15	1.15	1.21

PCB-82 22'33'4-PeCB	0.69	8.9%	0.78	0.67	0.60	0.68	0.73	0.69
PCB-111 233'55'-PeCB	1.17	4.9%	1.16	1.16	1.07	1.18	1.24	1.19
PCB-120 23'455'-PeCB	1.11	6.3%	1.11	1.07	1.00	1.10	1.20	1.15
PCB-107/124 ...-PeCB	0.99	11.0%	0.87	0.92	0.90	1.02	1.12	1.11
PCB-109 233'46-PeCB	1.07	12.6%	0.96	0.96	0.94	1.09	1.24	1.21
PCB-106 233'45-PeCB	0.98	8.0%	0.89	0.95	0.90	1.02	1.08	1.05
PCB-122 233'4'5'-PeCB	0.87	10.6%	0.78	0.79	0.80	0.89	0.96	0.98
PCB-127 33'455'-PeCB	0.91	12.3%	0.81	0.84	0.81	0.93	1.03	1.06
PCB-155 22'44'66'-HxCB	1.21	8.0%	1.14	1.13	1.13	1.19	1.32	1.34
PCB-152 22'3566'-HxCB	1.12	8.9%	1.04	1.04	1.04	1.12	1.26	1.23
PCB-150 22'34'66'-HxCB	1.11	9.8%	1.00	1.07	1.02	1.10	1.25	1.24
PCB-136 22'33'66'-HxCB	1.04	10.4%	0.98	0.93	0.96	1.02	1.16	1.18
PCB-145 22'3466'-HxCB	1.05	9.7%	0.94	1.00	0.97	1.03	1.16	1.19
PCB-148 22'34'56'-HxCB	1.15	10.3%	1.02	1.08	1.08	1.16	1.33	1.25
PCB-151/135 ...-HxCB	1.11	7.7%	1.03	1.08	1.03	1.09	1.25	1.17
PCB-154 22'44'56'-HxCB	1.29	10.1%	1.12	1.21	1.24	1.28	1.48	1.39
PCB-144 22'345'6-HxCB	1.12	7.7%	1.00	1.12	1.08	1.10	1.25	1.19
PCB-147/149 ...-HxCB	1.15	9.3%	1.00	1.15	1.06	1.15	1.30	1.21
PCB-134 22'33'56'-HxCB	0.88	10.4%	0.77	0.85	0.87	0.85	1.05	0.89
PCB-143 22'3456'-HxCB	1.10	9.1%	0.98	1.01	1.05	1.12	1.20	1.22
PCB-139/140 ...-HxCB	1.15	10.6%	1.03	1.09	1.05	1.15	1.33	1.27
PCB-131 22'33'46-HxCB	0.96	13.5%	0.75	0.94	0.91	0.98	1.12	1.06
PCB-142 22'3456-HxCB	0.94	14.9%	0.75	0.87	0.87	0.96	1.12	1.09
PCB-132 22'33'46'-HxCB	0.98	13.2%	0.76	0.96	0.95	0.98	1.14	1.07
PCB-133 22'33'55'-HxCB	1.03	12.8%	0.86	0.94	0.96	1.05	1.21	1.14
PCB-165 233'55'6-HxCB	1.25	13.0%	1.04	1.13	1.20	1.29	1.47	1.39
PCB-146 22'34'55'-HxCB	1.11	10.9%	0.97	1.03	1.03	1.14	1.27	1.23
PCB-161 233'45'6-HxCB	1.34	15.2%	1.04	1.33	1.20	1.37	1.59	1.53
PCB-153/168 ...-HxCB	1.33	11.6%	1.15	1.25	1.22	1.35	1.53	1.50
PCB-141 22'3455'-HxCB	0.98	14.7%	0.81	0.86	0.92	1.00	1.16	1.13
PCB-130 22'33'45'-HxCB	0.85	15.0%	0.68	0.75	0.81	0.87	1.00	0.97
PCB-137 22'344'5-HxCB	1.02	20.4%	0.77	0.83	0.93	1.13	1.22	1.27
PCB-164 233'4'5'6-HxCB	1.35	14.8%	1.00	1.41	1.31	1.29	1.58	1.49
PCB-163/138/129 ...-HxCB	1.08	12.3%	0.92	0.99	1.01	1.11	1.25	1.23
PCB-160 233'456-HxCB	1.22	15.5%	1.03	1.06	1.11	1.22	1.45	1.44
PCB-158 233'44'6-HxCB	1.36	15.5%	1.11	1.20	1.26	1.39	1.62	1.58
PCB-128/166 ...-HxCB	0.96	6.7%	0.91	0.93	0.88	0.96	1.04	1.02
PCB-159 233'455'-HxCB	1.08	6.4%	1.03	1.02	1.01	1.10	1.18	1.15
PCB-162 233'4'55'-HxCB	1.05	6.7%	0.99	0.99	1.02	1.05	1.15	1.12
PCB-188 22'34'566'-HpCB	0.91	9.1%	0.85	0.85	0.82	0.91	1.01	1.00
PCB-179 22'33'566'-HpCB	0.81	10.6%	0.74	0.74	0.74	0.83	0.92	0.91
PCB-184 22'344'66'-HpCB	0.78	12.0%	0.67	0.72	0.74	0.80	0.89	0.90
PCB-176 22'33'466'-HpCB	0.86	10.8%	0.75	0.78	0.82	0.88	0.95	0.98
PCB-186 22'34566'-HpCB	0.81	10.6%	0.76	0.71	0.74	0.84	0.89	0.92
PCB-178 22'33'55'6-HpCB	0.57	13.7%	0.51	0.48	0.51	0.59	0.64	0.67
PCB-175 22'33'45'6-HpCB	0.99	7.1%	0.86	0.97	0.97	1.02	1.06	1.03
PCB-187 22'34'55'6-HpCB	1.05	6.3%	0.94	1.05	1.02	1.09	1.13	1.09

PCB-182 22'344'56'-HpCB	1.10	2.8%	1.07	1.09	1.08	1.12	1.16	1.11
PCB-183 22'344'5'6'-HpCB	1.14	5.4%	1.18	1.24	1.10	1.12	1.08	1.10
PCB-185 22'3455'6'-HpCB	0.99	9.0%	0.93	0.94	0.93	0.97	1.16	1.03
PCB-174 22'33'456'-HpCB	0.90	8.6%	0.76	0.92	0.88	0.95	0.96	0.95
PCB-177 22'33'45'6'-HpCB	0.85	9.1%	0.70	0.85	0.84	0.88	0.92	0.89
PCB-181 22'344'56'-HpCB	0.98	7.3%	0.88	0.92	0.95	1.00	1.06	1.05
PCB-171/173 ...-HpCB	0.87	6.4%	0.79	0.89	0.83	0.88	0.94	0.91
PCB-172 22'33'455'-HpCB	0.87	4.1%	0.82	0.86	0.86	0.87	0.92	0.91
PCB-192 233'455'6'-HpCB	1.12	6.0%	1.04	1.18	1.04	1.09	1.18	1.17
PCB-180/193 ...-HpCB	1.08	5.4%	0.99	1.08	1.03	1.08	1.15	1.12
PCB-191 233'44'5'6'-HpCB	1.15	7.0%	1.03	1.17	1.08	1.14	1.24	1.22
PCB-170 22'33'44'5'-HpCB	0.99	5.8%	0.93	0.93	0.97	1.00	1.06	1.05
PCB-190 233'44'56'-HpCB	1.33	8.5%	1.23	1.26	1.22	1.33	1.45	1.48
PCB-202 22'33'55'66'-OcCB	0.86	8.6%	0.75	0.85	0.81	0.89	0.95	0.92
PCB-201 22'33'45'66'-OcCB	0.95	6.9%	0.90	0.92	0.88	0.96	1.04	1.02
PCB-204 22'344'566'-OcCB	0.89	8.0%	0.81	0.85	0.84	0.91	0.99	0.97
PCB-197 22'33'44'66'-OcCB	0.95	14.5%	0.74	0.92	0.90	0.97	1.15	1.03
PCB-200 22'33'4566'-OcCB	0.87	9.7%	0.81	0.82	0.77	0.90	0.91	1.00
PCB-198/199 ...-OcCB	0.60	12.7%	0.50	0.59	0.54	0.61	0.69	0.69
PCB-196 22'33'44'56'-OcCB	0.63	9.9%	0.53	0.64	0.59	0.64	0.69	0.69
PCB-203 22'344'55'6'-OcCB	0.64	14.5%	0.48	0.67	0.59	0.65	0.71	0.73
PCB-195 22'33'44'56'-OcCB	0.82	6.2%	0.75	0.83	0.77	0.82	0.87	0.86
PCB-194 22'33'44'55'-OcCB	0.90	5.0%	0.88	0.94	0.82	0.89	0.93	0.92
PCB-205 233'44'55'6'-OcCB	1.09	5.9%	1.00	1.12	1.02	1.10	1.15	1.15
PCB-208 22'33'455'66'-NoCB	1.00	6.4%	0.91	1.03	0.93	1.00	1.07	1.04
PCB-207 22'33'44'566'-NoCB	1.01	6.9%	0.93	0.97	0.94	1.02	1.10	1.07
PCB-206 22'33'44'55'6'-NoCB	0.85	3.7%	0.82	0.86	0.81	0.85	0.89	0.88

Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	PD from Mean
77	10.5	1.24	0.13	1.11	1.247858265	1.368519594	10.5	1.24	0.13	10.2%
81	5.4	1.20	0.06	1.13	1.26	1.20	5.4	1.20	0.06	0.5%
105	4.6	1.03	0.05	1.05	1.055659568	0.972578592	4.6	1.03	0.05	-5.3%
114	4.2	1.11	0.05	1.15	1.112469841	1.061080192	4.2	1.11	0.05	-4.3%
118	3.7	1.04	0.04	1.04	1.080274343	1.004019371	3.7	1.04	0.04	-3.6%
123	5.3	1.07	0.06	1.01	1.120004181	1.077299601	5.3	1.07	0.06	0.8%
126	4.7	1.10	0.05	1.06	1.155132128	1.08411892	4.7	1.10	0.05	-1.3%
156/157	4.4	1.12	0.05	1.16	1.139066383	1.066623794	4.4	1.12	0.05	-4.9%
167	5.4	1.18	0.06	1.24	1.179666702	1.114827946	5.4	1.18	0.06	-5.4%
169	1.7	1.16	0.02	1.19	1.153111475	1.15037084	1.7	1.16	0.02	-1.1%
189	2.9	1.09	0.03	1.05	1.115517572	1.099397928	2.9	1.09	0.03	0.9%
1	11.6	1.14	0.13	1.00	1.247361263	1.192045295	11.6	1.14	0.13	4.1%
3	14.6	1.16	0.17	0.96	1.266130712	1.239139677	14.6	1.16	0.17	7.2%
4	4.5	0.87	0.04	0.82	0.897714945	0.883037199	4.5	0.87	0.04	1.7%
15	7.0	1.02	0.07	0.95	1.10	1.01	7.0	1.02	0.07	-0.8%
19	1.5	0.93	0.01	0.92	0.94618713	0.923149188	1.5	0.93	0.01	-0.7%
37	13.6	1.27	0.17	1.07	1.388743492	1.35351232	13.6	1.27	0.17	6.4%
54	1.8	1.06	0.02	1.04	1.052056387	1.079357436	1.8	1.06	0.02	2.0%
104	5.4	1.09	0.06	1.02	1.118376597	1.119257113	5.4	1.09	0.06	3.1%
153	8.8	1.23	0.11	1.12	1.236718679	1.334313396	8.8	1.23	0.11	8.5%
155	7.9	1.11	0.09	1.04	1.091061572	1.207376727	7.9	1.11	0.09	8.6%
170	0.4	0.99	0.00	0.99	0.993994566	0.989485009	0.4	0.99	0.00	0.0%
180	6.0	1.04	0.06	0.97	1.070048335	1.076750117	6.0	1.04	0.06	3.8%
188	4.1	0.94	0.04	0.94	0.983319023	0.906242279	4.1	0.94	0.04	-4.0%
202	0.4	0.86	0.00	0.86	0.864934905	0.86177836	0.4	0.86	0.00	0.0%
205	4.8	1.14	0.05	1.20	1.13	1.09	4.8	1.14	0.05	-4.4%
208	1.9	1.01	0.02	1.01	1.03303285	0.996575359	1.9	1.01	0.02	-1.5%
206	7.0	0.93	0.06	0.95	0.970750022	0.850862744	7.0	0.93	0.06	-8.0%
209	3.5	1.08	0.04	1.09	1.112102287	1.038251112	3.5	1.08	0.04	-3.8%
ES										
1	4.0	0.98	0.04	1.02	0.970169133	0.947210596	4.0	0.98	0.04	-3.4%
3	9.4	0.93	0.09	1.02	0.899339297	0.853696414	9.4	0.93	0.09	-7.7%
4	2.4	0.68	0.02	0.68	0.700177847	0.666864132	2.4	0.68	0.02	-2.4%
15	6.1	1.01	0.06	1.06	1.015068263	0.939614889	6.1	1.01	0.06	-6.5%
19	4.8	0.52	0.03	0.49	0.526495662	0.543731589	4.8	0.52	0.03	4.3%
37	16.8	1.29	0.22	1.51	1.293131661	1.075189256	16.8	1.29	0.22	-16.8%
54	5.7	1.36	0.08	1.37	1.425832898	1.273445253	5.7	1.36	0.08	-6.1%
77	18.8	1.07	0.20	1.17	1.202885156	0.83993558	18.8	1.07	0.20	-21.6%
81	8.9	1.09	0.10	1.13	1.161122061	0.980273414	8.9	1.09	0.10	-10.2%
104	6.8	1.76	0.12	1.90	1.704079587	1.686562196	6.8	1.76	0.12	-4.4%
105	3.3	1.11	0.04	1.15	1.098308811	1.075767793	3.3	1.11	0.04	-2.8%
114	4.7	1.16	0.05	1.22	1.156471044	1.107605993	4.7	1.16	0.05	-4.5%
118	5.2	1.17	0.06	1.24	1.154861925	1.12669745	5.2	1.17	0.06	-4.1%
123	8.4	1.18	0.10	1.29	1.141418187	1.100539286	8.4	1.18	0.10	-6.5%
126	8.9	1.30	0.12	1.40	1.339964412	1.172755422	8.9	1.30	0.12	-10.0%
153	4.2	1.14	0.05	1.09	1.143164508	1.190061551	4.2	1.14	0.05	4.2%
155	10.9	1.62	0.18	1.45	1.613461971	1.80056716	10.9	1.62	0.18	11.1%
156/157	9.7	1.02	0.10	0.94	0.977565953	1.128238382	9.7	1.02	0.10	11.0%
167	13.3	1.05	0.14	0.93	1.009768497	1.200095917	13.3	1.05	0.14	14.7%
169	6.9	0.92	0.06	0.88	0.897700095	0.995652932	6.9	0.92	0.06	7.8%
170	6.3	1.31	0.08	1.40	1.282919087	1.242714327	6.3	1.31	0.08	-5.0%
180	7.9	1.60	0.13	1.74	1.53922858	1.508839067	7.9	1.60	0.13	-5.5%
188	16.4	1.73	0.28	1.52	1.625676511	2.056860665	16.4	1.73	0.28	18.6%
189	7.0	1.93	0.14	2.05	1.968291181	1.782770559	7.0	1.93	0.14	-7.7%
202	17.8	1.38	0.24	1.21	1.260837015	1.656004718	17.8	1.38	0.24	20.4%
205	3.0	1.24	0.04	1.28	1.222907052	1.215929497	3.0	1.24	0.04	-2.0%
206	6.3	1.15	0.07	1.12	1.099049353	1.234057407	6.3	1.15	0.07	7.2%
208	6.8	1.49	0.10	1.46	1.408376217	1.60348986	6.8	1.49	0.10	7.5%
209	6.0	1.24	0.07	1.16	1.243858312	1.308646381	6.0	1.24	0.07	5.7%
SS										
28	6.9	1.17	0.08	1.09	1.18	1.25	6.9	1.17	0.08	6.8%
111	10.8	1.03	0.11	0.93	1.006230719	1.152298075	10.8	1.03	0.11	11.8%
178	7.7	0.59	0.05	0.63	0.602130671	0.538045133	7.7	0.59	0.05	-8.6%

1668A/B ICALs		Historica Data			327 of 532						PD from
Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	Mean	
Additional Ax							RSD	Mean	sd	PD from Historical Mean	
PCB-1 2-MoCB	1.00	1.247361263	1.192045295	11.6	1.14	0.13	4.1%				
PCB-2 3-MoCB	0.95	1.277512567	1.254388944	15.8	1.16	0.18	8.1%				
PCB-3 4-MoCB	0.96	1.266130712	1.239139677	14.6	1.16	0.17	7.2%				
PCB-4 22-DICB	0.82	0.897714945	0.883037199	4.5	0.87	0.04	1.7%				
PCB-10 26-DICB	1.33	1.379293699	1.402927184	2.9	1.37	0.04	2.5%				
PCB-9 25-DICB	0.84	0.988670938	0.983879061	8.8	0.94	0.08	4.8%				
PCB-7 24-DICB	0.95	1.102650905	1.120390828	8.8	1.06	0.09	5.9%				
PCB-6 23-DICB	0.91	1.039667594	1.041974202	7.5	1.00	0.07	4.4%				
PCB-5 23-DICB	0.90	1.024561424	1.047108103	8.2	0.99	0.08	5.8%				
PCB-8 24-DICB	0.93	1.032823496	1.096448296	9.3	1.02	0.09	7.6%				
PCB-14 35-DICB	1.04	1.201235307	1.241185603	8.2	1.16	0.11	6.9%				
PCB-11 33-DICB	0.89	1.027723711	1.010385385	7.5	0.98	0.07	3.4%				
PCB-13/12 34-/34-DICB	0.88	1.033790106	0.986234216	8.1	0.97	0.08	2.0%				
PCB-15 44-DICB	0.95	1.096281533	1.012677949	7.0	1.02	0.07	-0.8%				
PCB-19 226-TrCB	0.92	0.94618713	0.923149188	1.5	0.93	0.01	-0.7%				
PCB-30/18 246-/225-TrCB	1.19	1.231014369	1.204077734	1.7	1.21	0.02	-0.4%				
PCB-17 224-TrCB	1.03	1.054078791	1.035076238	1.2	1.04	0.01	-0.4%				
PCB-27 236-TrCB	1.39	1.463887935	1.417502134	2.5	1.43	0.04	-0.5%				
PCB-24 236-TrCB	1.34	1.320505156	1.347509566	1.0	1.34	0.01	0.9%				
PCB-16 223-TrCB	0.77	0.807989456	0.769349992	2.8	0.78	0.02	-1.7%				
PCB-32 246-TrCB	1.45	1.476608818	1.52000611	2.5	1.48	0.04	2.6%				
PCB-34 235-TrCB	1.16	1.461696107	1.636075051	17.1	1.42	0.24	15.4%				
PCB-23 236-TrCB	1.18	1.504156545	1.653742269	16.8	1.45	0.24	14.4%				
PCB-26/29 235-/245-TrCB	1.20	1.528864496	1.653065921	16.2	1.46	0.24	13.3%				
PCB-25 234-TrCB	1.22	1.534997733	1.641579928	14.9	1.47	0.22	12.0%				
PCB-31 245-TrCB	1.21	1.55127574	1.709686225	17.0	1.49	0.25	14.7%				
PCB-28/20 244-/233-TrCB	1.18	1.505856252	1.6004889	15.4	1.43	0.22	12.0%				
PCB-21/33 234-/234-TrCB	1.21	1.546472125	1.644573341	15.7	1.47	0.23	12.2%				
PCB-22 234-TrCB	1.10	1.397844343	1.492188963	15.3	1.33	0.20	12.1%				
PCB-36 335-TrCB	1.17	1.517608296	1.569712202	15.1	1.42	0.21	10.5%				
PCB-39 345-TrCB	1.24	1.583232508	1.610000329	14.1	1.48	0.21	9.1%				
PCB-38 345-TrCB	1.07	1.468972272	1.475005952	17.3	1.34	0.23	10.2%				
PCB-35 334-TrCB	1.03	1.333824651	1.304498633	13.5	1.22	0.17	6.6%				
PCB-37 344-TrCB	1.07	1.388743492	1.35351232	13.6	1.27	0.17	6.4%				
PCB-54 2266-TeCB	1.04	1.052056387	1.079357436	1.8	1.06	0.02	2.0%				
PCB-50/53 2246-/2256-TeCB	0.80	0.877250139	0.981834338	10.2	0.89	0.09	10.7%				
PCB-45 2236-TeCB	0.73	0.734364271	0.854569353	9.1	0.77	0.07	10.6%				
PCB-51 2246-TeCB	0.76	0.937451455	0.980410223	13.3	0.89	0.12	10.0%				
PCB-46 2236-TeCB	0.65	0.717643566	0.792595007	9.9	0.72	0.07	10.1%				
PCB-52 2255-TeCB	0.77	0.823805923	0.939312529	10.3	0.84	0.09	11.3%				
PCB-73 2356-TeCB	1.00	1.100145999	1.229931427	10.3	1.11	0.11	10.7%				
PCB-43 2235-TeCB	0.65	0.704995746	0.782894209	9.4	0.71	0.07	9.9%				
PCB-69/49 2346-/2245-TeCB	0.92	1.008329248	1.118568264	10.0	1.01	0.10	10.3%				
PCB-48 2245-TeCB	0.76	0.843728975	0.948331657	11.3	0.85	0.10	11.7%				
PCB-44/47/65 2235-/2244-	0.81	0.901603058	0.997411982	10.6	0.90	0.10	10.6%				
PCB-59/62/75 2336-/2346-/24	1.03	1.154888803	1.248985163	9.5	1.15	0.11	9.0%				
PCB-42 2234-TeCB	0.69	0.76363627	0.832647588	9.3	0.76	0.07	9.2%				
PCB-41 2234-TeCB	0.61	0.640768102	0.754964594	11.5	0.67	0.08	13.0%				
PCB-71/40 2346-/2233-TeCB	0.77	0.833015829	0.943701794	10.4	0.85	0.09	11.2%				
PCB-64 2346-TeCB	1.08	1.174073516	1.313300675	9.7	1.19	0.12	10.3%				
PCB-72 2355-TeCB	1.24	1.369203176	1.346936072	5.0	1.32	0.07	2.0%				
PCB-68 2345-TeCB	1.36	1.515985944	1.507882475	5.8	1.46	0.09	3.1%				
PCB-57 2335-TeCB	1.23	1.323442917	1.342663197	4.4	1.30	0.06	3.3%				
PCB-58 2335-TeCB	1.23	1.338421538	1.413220903	7.0	1.33	0.09	6.5%				
PCB-67 2345-TeCB	1.27	1.412591539	1.421598376	6.3	1.37	0.09	3.9%				
PCB-63 2345-TeCB	1.36	1.457228877	1.522731897	5.8	1.45	0.08	5.3%				
PCB-61/70/74/76 2345-/2345	1.22	1.365079753	1.362331334	6.4	1.32	0.08	3.6%				
PCB-66 2344-TeCB	1.17	1.240483021	1.275038406	4.6	1.23	0.06	3.9%				
PCB-55 2334-TeCB	1.15	1.277888626	1.235257453	5.2	1.22	0.06	1.1%				
PCB-56 2334-TeCB	1.11	1.22874543	1.215459508	5.5	1.18	0.07	2.6%				
PCB-60 2344-TeCB	1.13	1.297755916	1.27423819	7.2	1.24	0.09	3.2%				
PCB-80 3355-TeCB	1.31	1.435170917	1.450674443	5.7	1.40	0.08	3.8%				
PCB-79 3345-TeCB	1.33	1.475429314	1.452155143	5.6	1.42	0.08	2.4%				
PCB-78 3345-TeCB	1.06	1.209502411	1.10039133	6.8	1.12	0.08	-2.1%				
PCB-104 22466-PeCB	1.02	1.118376597	1.119257113	5.4	1.09	0.06	3.1%				
PCB-96 22366-PeCB	0.86	0.963996571	0.954421682	6.3	0.93	0.06	3.1%				
PCB-103 22456-PeCB	0.82	0.932281092	0.992759039	9.5	0.92	0.09	8.4%				
PCB-94 22356-PeCB	0.73	0.808660769	0.84963704	7.3	0.80	0.06	6.5%				
PCB-95 22356-PeCB	0.76	0.849355688	0.916843967	9.1	0.84	0.08	8.7%				
PCB-100/93 22446-/22356-P	0.77	0.883173574	0.92318157	9.5	0.86	0.08	7.7%				

MM6 Comparing ICAL RRFs_in use

Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	PD from Mean
PCB-102 22'456'-PeCB	0.85	0.931153871		0.931153871	0.838468565	1.025905332	9.1	0.94	0.09	9.4%
PCB-98 22'346'-PeCB	0.72	0.77234442		0.77234442	0.960565423	0.806249739	7.9	0.79	0.06	2.4%
PCB-88 22'346'-PeCB	0.73	0.72126009		0.72126009	0.769645803	0.742863098	3.2	0.75	0.02	-0.5%
PCB-91 22'346'-PeCB	0.82	0.771715387		0.771715387	0.064085658	1.064085658	12.9	0.95	0.12	12.2%
PCB-84 22'336'-PeCB	0.63	1.146372616		1.146372616	0.817493471	0.817493471	9.6	0.71	0.07	8.6%
PCB-89 22'346'-PeCB	0.66	1.146372616		1.146372616	0.817493471	0.817493471	10.8	0.75	0.08	9.0%
PCB-121 23'456'-PeCB	1.00	0.79293705		0.79293705	1.213447986	1.213447986	9.5	1.12	0.11	8.2%
PCB-92 22'355'-PeCB	0.69	0.954556927		0.954556927	0.835227743	0.835227743	9.7	0.77	0.07	8.1%
PCB-113/90/101 23'356'-/22'3	0.83	0.954556927		0.954556927	0.995241638	0.995241638	9.0	0.93	0.08	7.2%
PCB-83 22'335'-PeCB	0.61	0.719968326		0.719968326	0.705276445	0.705276445	8.5	0.68	0.06	3.8%
PCB-99 22'445'-PeCB	0.79	0.895544353		0.895544353	0.901748434	0.901748434	7.4	0.86	0.06	4.6%
PCB-112 23'56'-PeCB	0.98	1.094157956		1.094157956	1.128012777	1.128012777	7.4	1.07	0.08	5.8%
PCB-108/119/86/97/125/87 233	0.86	0.947759474		0.947759474	0.991675681	0.991675681	7.2	0.93	0.07	6.3%
PCB-117 23456'-PeCB	0.85	0.99051387		0.99051387	1.099764154	1.099764154	12.6	0.98	0.12	12.1%
PCB-116/85 23456'-/22344'-Pe	0.86	0.959682251		0.959682251	0.953547658	0.953547658	6.0	0.92	0.06	3.1%
PCB-110 233'46'-PeCB	0.91	1.008174514		1.008174514	1.050585083	1.050585083	7.4	0.99	0.07	6.2%
PCB-115 23446'-PeCB	1.02	1.150855203		1.150855203	1.130319341	1.130319341	6.7	1.10	0.07	2.9%
PCB-82 22'334'-PeCB	0.61	0.698202166		0.698202166	0.68820686	0.68820686	7.2	0.67	0.05	3.4%
PCB-111 233'55'-PeCB	1.02	1.164337969		1.164337969	1.167210745	1.167210745	7.5	1.12	0.08	4.5%
PCB-120 23'455'-PeCB	1.01	1.13612559		1.13612559	1.105213086	1.105213086	6.2	1.08	0.07	2.1%
PCB-107/124 233'45'-/23455'	0.92	1.018304808		1.018304808	0.9909555	0.9909555	5.1	0.98	0.05	1.4%
PCB-109 233'46'-PeCB	1.01	1.132897321		1.132897321	1.068317646	1.068317646	6.0	1.07	0.06	-0.1%
PCB-106 233'45'-PeCB	0.93	1.011487036		1.011487036	0.981735684	0.981735684	4.0	0.98	0.04	0.6%
PCB-122 2'33'45'-PeCB	0.91	0.910574821		0.910574821	0.865563638	0.865563638	2.9	0.90	0.03	-3.4%
PCB-127 33'455'-PeCB	1.01	1.055916854		1.055916854	0.914563199	0.914563199	9.7	0.99	0.07	-8.0%
PCB-155 22'44'66'-HxCB	1.04	1.091061572		1.091061572	1.207376727	1.207376727	7.9	1.11	0.09	8.6%
PCB-152 22'3566'-HxCB	0.99	1.04194192		1.04194192	1.12122494	1.12122494	6.3	1.05	0.07	6.7%
PCB-150 22'34'66'-HxCB	0.97	1.027764365		1.027764365	1.113600502	1.113600502	7.1	1.04	0.07	7.4%
PCB-136 22'33'66'-HxCB	0.91	0.974733258		0.974733258	1.038046305	1.038046305	6.7	0.97	0.06	6.6%
PCB-145 22'3466'-HxCB	0.93	0.96294358		0.96294358	1.048510976	1.048510976	6.4	0.98	0.06	7.0%
PCB-148 22'3456'-HxCB	0.94	1.032323991		1.032323991	1.154191307	1.154191307	10.2	1.04	0.11	10.7%
PCB-151/135 22'3556'-/22'33'	0.91	0.992961002		0.992961002	1.110528293	1.110528293	10.3	1.00	0.10	10.7%
PCB-154 22'44'56'-HxCB	1.05	1.172785762		1.172785762	1.286150742	1.286150742	9.9	1.17	0.12	9.8%
PCB-144 22'3456'-HxCB	0.92	1.027187023		1.027187023	1.124124583	1.124124583	9.9	1.02	0.10	9.8%
PCB-147/149 22'3456'-/22'34'	0.94	1.017499668		1.017499668	1.145214074	1.145214074	10.1	1.03	0.10	10.8%
PCB-134 22'3356'-HxCB	0.72	0.799833552		0.799833552	0.880923118	0.880923118	10.1	0.80	0.08	10.1%
PCB-143 22'3456'-HxCB	0.88	0.948064481		0.948064481	1.096595156	1.096595156	11.3	0.98	0.11	12.5%
PCB-139/140 22'3446'-/22'344'	0.93	1.049661469		1.049661469	1.152168164	1.152168164	10.5	1.05	0.11	10.2%
PCB-131 22'3346'-HxCB	0.82	0.895390828		0.895390828	0.959357657	0.959357657	7.7	0.89	0.07	7.5%
PCB-142 22'3456'-HxCB	0.84	0.925984427		0.925984427	0.943279105	0.943279105	6.4	0.90	0.06	4.6%
PCB-132 22'3346'-HxCB	0.84	0.928950546		0.928950546	0.977446964	0.977446964	7.4	0.92	0.07	6.7%
PCB-133 22'3355'-HxCB	0.86	0.968015627		0.968015627	1.025472094	1.025472094	9.0	0.95	0.09	7.9%
PCB-165 233'556'-HxCB	1.04	1.160666088		1.160666088	1.250613953	1.250613953	9.1	1.15	0.10	8.6%
PCB-146 22'3455'-HxCB	0.92	1.009962967		1.009962967	1.11140706	1.11140706	9.5	1.01	0.10	9.7%
PCB-161 233'456'-HxCB	1.20	1.293818391		1.293818391	1.342575063	1.342575063	5.5	1.28	0.07	4.9%
PCB-153/168 22'4455'-/23'44'	1.12	1.236718679		1.236718679	1.334313396	1.334313396	8.8	1.23	0.11	8.5%
PCB-141 22'3455'-HxCB	0.87	0.947298669		0.947298669	0.978849918	0.978849918	6.2	0.93	0.06	5.2%
PCB-130 22'3345'-HxCB	0.78	0.821903922		0.821903922	0.845217338	0.845217338	4.1	0.82	0.03	3.6%
PCB-137 22'3445'-HxCB	0.96	0.969382165		0.969382165	1.024801516	1.024801516	3.5	0.99	0.03	4.0%
PCB-164 233'456'-HxCB	1.14	1.249784794		1.249784794	1.345402186	1.345402186	8.1	1.25	0.10	7.9%
PCB-163/138/129 233'456'-/22'	0.95	1.04208268		1.04208268	1.084342144	1.084342144	6.4	1.03	0.07	5.6%
PCB-160 233'456'-HxCB	1.12	1.191321041		1.191321041	1.21745945	1.21745945	4.1	1.18	0.05	3.4%
PCB-158 233'446'-HxCB	1.25	1.339086837		1.339086837	1.359464143	1.359464143	4.4	1.32	0.06	3.3%
PCB-128/166 22'3344'-/23445	0.98	0.961395111		0.961395111	0.956542493	0.956542493	1.5	0.97	0.01	-1.1%
PCB-159 233'455'-HxCB	1.14	1.122440366		1.122440366	1.081634726	1.081634726	2.8	1.12	0.03	-3.0%
PCB-162 233'455'-HxCB	1.13	1.12750118		1.12750118	1.053069682	1.053069682	4.1	1.10	0.05	-4.7%
PCB-188 22'34566'-HpCB	0.94	0.983319023		0.983319023	0.906242279	0.906242279	4.1	0.94	0.04	-4.0%
PCB-179 22'33566'-HpCB	0.81	0.896580614		0.896580614	0.813222766	0.813222766	5.9	0.84	0.05	-3.2%
PCB-184 22'34466'-HpCB	0.85	0.864338316		0.864338316	0.784477149	0.784477149	5.2	0.83	0.04	-5.9%
PCB-176 22'33466'-HpCB	0.93	0.969144301		0.969144301	0.861726675	0.861726675	5.9	0.92	0.05	-6.4%
PCB-186 22'34566'-HpCB	0.88	0.925690923		0.925690923	0.811400569	0.811400569	6.6	0.87	0.06	-6.9%
PCB-178 22'33556'-HpCB	0.66	0.661771987		0.661771987	0.566433798	0.566433798	8.8	0.63	0.06	-10.1%
PCB-175 22'33456'-HpCB	0.81	1.024730243		1.024730243	0.987200626	0.987200626	11.9	0.94	0.11	4.8%
PCB-187 22'34556'-HpCB	0.89	1.027241308		1.027241308	1.052929621	1.052929621	8.7	0.99	0.09	6.2%
PCB-182 22'34456'-HpCB	0.89	1.095883236		1.095883236	1.102983692	1.102983692	12.0	1.03	0.12	7.3%
PCB-183 22'34456'-HpCB	0.91	1.123850198		1.123850198	1.1365051	1.1365051	12.2	1.06	0.13	7.6%
PCB-185 22'34556'-HpCB	0.87	0.968038719		0.968038719	0.994168516	0.994168516	7.1	0.94	0.07	5.4%
PCB-174 22'33456'-HpCB	0.76	0.895471328		0.895471328	0.903026719	0.903026719	9.2	0.85	0.08	5.8%
PCB-177 22'33456'-HpCB	0.75	0.871978862		0.871978862	0.84700135	0.84700135	7.8	0.82	0.06	2.9%
PCB-181 22'34456'-HpCB	0.87	1.034091835		1.034091835	0.97755604	0.97755604	8.6	0.96	0.08	1.7%
PCB-171/173 22'33446'-/22'3	0.76	0.88552341		0.88552341	0.870929146	0.870929146	7.9	0.84	0.07	3.6%
PCB-172 22'33455'-HpCB	0.76	0.872429376		0.872429376	0.869417901	0.869417901	7.6	0.83	0.06	4.2%
PCB-192 233'4556'-HpCB	1.02	1.160905771		1.160905771	1.117984938	1.117984938	6.5	1.10	0.07	1.6%
PCB-180/193 22'34455'-/233'	0.97	1.070048335		1.070048335	1.076750117	1.076750117	6.0	1.04	0.06	3.8%

MM6 Comparing ICAL RRFs_in use

1668A/B ICALs		Historica Data			329 of 532						PD from
Ax	RSD	Mean	sd	MM6_PCB_01102012_25JAN12	MM6_PCB_07132012_14DEC12	MM6_PCB_07122013_27AUG13	RSD	Mean	sd	Mean	
PCB-191 233'44'5'6'-HpCB			1.05	1.182443172	1.146625369	1.146625369	6.0	1.13	0.07	1.7%	
PCB-170 22'33'44'5'-HpCB			0.99	0.993994566	0.989485009	0.989485009	0.4	0.99	0.00	0.0%	
PCB-190 233'44'56'-HpCB			1.37	1.356411152	1.327975635	1.327975635	1.5	1.35	0.02	-1.7%	
PCB-202 22'33'55'66'-OcCB			0.86	0.864934905	0.86177836	0.86177836	0.4	0.86	0.00	0.0%	
PCB-201 22'33'45'66'-OcCB			0.96	0.949891278	0.952972164	0.952972164	0.5	0.95	0.00	-0.1%	
PCB-204 22'344'566'-OcCB			0.93	0.904088921	0.894978949	0.894978949	1.7	0.91	0.02	-1.5%	
PCB-197 22'33'44'66'-OcCB			0.99	0.961506409	0.950119483	0.950119483	1.9	0.97	0.02	-1.6%	
PCB-200 22'33'4566'-OcCB			0.91	0.882392414	0.869160288	0.869160288	2.6	0.89	0.02	-2.2%	
PCB-198/199 22'33'455'6-/22'			0.68	0.630507802	0.603393336	0.603393336	6.4	0.64	0.04	-5.6%	
PCB-196 22'33'44'56'-OcCB			0.69	0.661631184	0.631284284	0.631284284	4.5	0.66	0.03	-4.5%	
PCB-203 22'344'5'6'-OcCB			0.73	0.694799816	0.63843291	0.63843291	6.9	0.69	0.05	-7.3%	
PCB-195 22'33'44'56'-OcCB			0.92	0.824561815	0.815925836	0.815925836	6.5	0.85	0.06	-4.3%	
PCB-194 22'33'44'55'-OcCB			0.96	0.901108424	0.895434064	0.895434064	3.8	0.92	0.03	-2.5%	
PCB-205 233'44'55'6'-OcCB			1.20	1.133357494	1.090218156	1.090218156	4.8	1.14	0.05	-4.4%	
PCB-208 22'33'455'66'-NoCB			1.01	1.03303285	0.996575359	0.996575359	1.9	1.01	0.02	-1.5%	
PCB-207 22'33'44'566'-NoCB			1.06	1.067959937	1.00572461	1.00572461	3.1	1.04	0.03	-3.6%	
PCB-206 22'33'44'55'6'-NoCB			0.95	0.970750022	0.850862744	0.850862744	7.0	0.93	0.06	-8.0%	

SGS Analytical Perspectives — Run Log

Project: MM6_PCB_07122013_27AUG2013

Instrument: MM6 (AutoSpec-Premier)

MS Experiment: pcb-2012-01

GC Program: pcb90_b

#	Datafile	Vial#	Lab ID	Wt/Vol	Client/Sample ID	Analyst(s)	Checkcode	Acq Date	Acq Time
4	130826V04	5	CS0_130826_PCB_VA	0.50	SIL 13-40-6	JLJ	720-607	26-Aug-2013	15:50:52
5	130826V05	6	CS1_130826_PCB_VA	1.00	SIL 13-40-5	JLJ	071-284	26-Aug-2013	16:56:57
6	130826V06	7	CS2_130826_PCB_VA	5.00	SIL 13-40-4	JLJ	675-138	26-Aug-2013	17:51:34
7	130826V07	8	CS3_130826_PCB_VA	50.00	SIL 13-40-3	JLJ	889-738	26-Aug-2013	18:46:48
8	130826V08	9	CS4_130826_PCB_VA	400.00	SIL 13-40-2	JLJ	334-731	26-Aug-2013	19:42:07
9	130826V09	10	CS5_130826_PCB_VA	2000	SIL 13-40-1	JLJ	733-405	26-Aug-2013	20:37:26

APPROVED*By Jeremy Kadylak at 9:15 am, Sep 26, 2013*

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:41		
Lab ID:	CS0_130826_PCB_VA						
Acquired:	26-AUG-2013 15:50		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	130826V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.10	4.99E+05	0.74 Y	1.37	1.32	-3.3%	
PCB-81 344'5'-TeCB	31.62	4.81E+05	0.82 Y	1.20	1.11	-7.7%	
PCB-105 233'44'-PeCB	35.11	3.17E+05	0.61 Y	0.97	0.97	-0.4%	
PCB-114 2344'5'-PeCB	34.57	3.42E+05	0.57 Y	1.06	1.02	-4.0%	
PCB-118 23'44'5'-PeCB	34.10	3.19E+05	0.65 Y	1.00	0.93	-7.0%	
PCB-123 23'44'5'-PeCB	33.82	3.30E+05	0.66 Y	1.08	1.01	-6.5%	
PCB-126 33'44'5'-PeCB	37.75	3.43E+05	0.67 Y	1.08	1.01	-6.8%	
PCB-156/157 ...-HxCB	40.33	5.75E+05	1.18 Y	1.07	1.00	-5.8%	
PCB-167 23'44'55'-HxCB	39.35	3.16E+05	1.26 Y	1.11	1.02	-8.3%	
PCB-169 33'44'55'-HxCB	43.10	2.82E+05	1.17 Y	1.15	1.15	0.0%	
PCB-189 233'44'55'-HpCB	45.27	3.88E+05	1.03 Y	1.10	1.11	0.5%	
PCB-209 DeCB	50.45	2.59E+05	1.16 Y	1.04	0.98	-5.9%	
ES PCB-1	11.32	1.69E+08	3.31 Y	0.95	0.95	0.4%	
ES PCB-3	13.54	1.53E+08	3.38 Y	0.85	0.86	0.8%	
ES PCB-4	13.79	1.20E+08	1.55 Y	0.67	0.67	0.7%	
ES PCB-15	19.42	1.61E+08	1.61 Y	0.94	0.91	-3.6%	
ES PCB-19	16.81	9.67E+07	1.04 Y	0.54	0.54	-0.2%	
ES PCB-37	25.73	9.87E+07	1.12 Y	1.08	1.04	-3.4%	
ES PCB-54	19.70	1.25E+08	0.78 Y	1.27	1.31	3.1%	
ES PCB-77	32.08	7.54E+07	0.78 Y	0.84	0.79	-5.6%	
ES PCB-81	31.60	8.66E+07	0.78 Y	0.98	0.91	-7.1%	
ES PCB-104	24.67	1.13E+08	1.55 Y	1.69	1.77	5.1%	
ES PCB-105	35.09	6.54E+07	1.51 Y	1.08	1.03	-4.5%	
ES PCB-114	34.55	6.71E+07	1.52 Y	1.11	1.06	-4.7%	
ES PCB-118	34.08	6.82E+07	1.52 Y	1.13	1.07	-4.8%	
ES PCB-123	33.80	6.55E+07	1.50 Y	1.10	1.03	-6.5%	
ES PCB-126	37.73	6.79E+07	1.58 Y	1.17	1.07	-9.0%	
ES PCB-153	35.69	6.61E+07	1.23 Y	1.19	1.22	2.4%	
ES PCB-155	29.65	1.02E+08	1.25 Y	1.80	1.88	4.5%	
ES PCB-156/157	40.32	1.15E+08	1.25 Y	1.13	1.06	-6.4%	
ES PCB-167	39.33	6.17E+07	1.27 Y	1.20	1.14	-5.1%	
ES PCB-169	43.08	4.90E+07	1.24 Y	1.00	0.90	-9.2%	
ES PCB-170	42.58	5.01E+07	1.02 Y	1.24	1.22	-1.5%	
ES PCB-180	41.51	6.02E+07	1.06 Y	1.51	1.47	-2.5%	
ES PCB-188	34.55	1.14E+08	1.01 Y	2.06	2.10	2.0%	
ES PCB-189	45.25	7.02E+07	1.05 Y	1.78	1.72	-3.8%	
ES PCB-202	39.13	8.92E+07	0.88 Y	1.66	1.65	-0.6%	
ES PCB-205	47.48	4.87E+07	0.90 Y	1.22	1.19	-2.1%	
ES PCB-206	48.99	4.96E+07	0.79 Y	1.23	1.21	-1.8%	
ES PCB-208	44.86	6.49E+07	0.81 Y	1.60	1.59	-1.1%	
ES PCB-209	50.43	5.31E+07	1.17 Y	1.31	1.30	-0.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:41		
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.18	1.25E+08	1.11 Y	1.25	1.27	1.1%	
SS PCB-111	32.12	7.89E+07	1.48 Y	1.15	1.21	4.6%	
SS PCB-178	37.14	6.10E+07	0.99 Y	0.54	0.54	-0.4%	
CS PCB-28	22.18	1.25E+08	1.11 Y	1.34	1.32	-2.0%	
CS PCB-111	32.12	7.89E+07	1.48 Y	1.27	1.24	-2.0%	
CS PCB-178	37.14	6.10E+07	0.99 Y	1.11	1.12	1.7%	
JS PCB-9	15.73	1.78E+08	1.61 Y		-	-	
JS PCB-52	23.80	9.51E+07	0.79 Y		-	-	
JS PCB-101	29.81	6.36E+07	1.50 Y		-	-	
JS PCB-138	36.76	5.42E+07	1.26 Y		-	-	
JS PCB-194	47.07	4.09E+07	0.90 Y		-	-	
PCB-1 2-MoCB	11.33	9.31E+05	3.05 Y	1.19	1.10	-7.8%	
PCB-3 4-MoCB	13.56	9.35E+05	2.79 Y	1.24	1.22	-1.6%	
PCB-4 22'-DiCB	13.80	4.76E+05	0.00 S	0.88	0.80	-9.9%	
PCB-15 44'-DiCB	19.43	7.39E+05	0.00 S	1.01	0.92	-9.6%	
PCB-19 22'6'-TrCB	16.83	4.12E+05	1.07 Y	0.92	0.85	-7.8%	
PCB-37 344'-TrCB	25.75	6.10E+05	1.09 Y	1.35	1.24	-8.7%	
PCB-54 22'66'-TeCB	19.72	6.16E+05	0.71 Y	1.08	0.99	-8.6%	
PCB-104 22'466'-PeCB	24.69	5.92E+05	0.63 Y	1.12	1.05	-6.2%	
PCB-155 22'44'66'-HxCB	29.67	5.79E+05	1.28 Y	1.21	1.14	-5.9%	
PCB-188 22'34'566'-HpCB	34.58	4.86E+05	1.07 Y	0.91	0.85	-5.7%	
PCB-202 22'33'55'66'-OcCB	39.16	3.34E+05	0.89 Y	0.86	0.75	-13.2%	
PCB-205 233'44'55'6'-OcCB	47.50	2.44E+05	0.90 Y	1.09	1.00	-8.2%	
PCB-208 22'33'455'66'-NoCB	44.88	2.96E+05	0.70 Y	1.00	0.91	-8.3%	
PCB-206 22'33'44'55'6'-NoCB	49.02	2.03E+05	0.82 Y	0.85	0.82	-3.6%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:41			
Lab ID:	CS0_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.33	9.31E+05	3.05 Y	1.19	-	-	
PCB-2 3-MoCB	13.38	9.21E+05	2.88 Y	1.25	1.20	-4.3%	
PCB-3 4-MoCB	13.56	9.35E+05	2.79 Y	1.24	-	-	
PCB-4 22'-DiCB	13.80	4.76E+05	0.00 S	0.88	-	-	
PCB-10 26-DiCB	13.98	7.28E+05	0.00 S	1.40	1.22	-13.3%	
PCB-9 25-DiCB	15.75	6.87E+05	0.00 S	0.98	0.85	-13.4%	
PCB-7 24-DiCB	15.91	8.42E+05	0.00 S	1.12	1.04	-6.8%	
PCB-6 23'-DiCB	16.13	8.01E+05	0.00 S	1.04	0.99	-4.6%	
PCB-5 23-DiCB	16.43	7.56E+05	0.00 S	1.05	0.94	-10.5%	
PCB-8 24'-DiCB	16.55	8.66E+05	0.00 S	1.10	1.07	-2.0%	
PCB-14 35-DiCB	18.09	9.08E+05	0.00 S	1.24	1.13	-9.3%	
PCB-11 33'-DiCB	18.86	7.82E+05	0.00 S	1.01	0.97	-4.1%	
PCB-13/12 34'/34-DiCB	19.15	1.42E+06	0.00 S	0.99	0.88	-11.0%	
PCB-15 44'-DiCB	19.43	7.39E+05	0.00 S	1.01	-	-	
PCB-19 22'6-TrCB	16.83	4.12E+05	1.07 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.58	1.05E+06	1.06 Y	1.20	1.08	-10.1%	
PCB-17 22'4-TrCB	18.98	4.30E+05	1.14 Y	1.04	0.89	-14.0%	
PCB-27 23'6-TrCB	19.17	6.26E+05	1.14 Y	1.42	1.29	-8.7%	
PCB-24 236-TrCB	19.30	5.77E+05	1.03 Y	1.35	1.19	-11.5%	
PCB-16 22'3-TrCB	19.39	3.33E+05	1.10 Y	0.77	0.69	-10.5%	
PCB-32 24'6-TrCB	19.87	6.99E+05	0.99 Y	1.52	1.45	-4.9%	
PCB-34 23'5'-TrCB	21.02	7.61E+05	1.09 Y	1.64	1.54	-5.8%	
PCB-23 235-TrCB	21.17	7.69E+05	0.99 Y	1.65	1.56	-5.9%	
PCB-26/29 23'5/245-TrCB	21.45	1.55E+06	1.07 Y	1.65	1.57	-5.3%	
PCB-25 23'4-TrCB	21.65	7.02E+05	1.04 Y	1.64	1.42	-13.4%	
PCB-31 24'5-TrCB	21.93	8.07E+05	1.06 Y	1.71	1.63	-4.4%	
PCB-28/20 244'/233'-TrCB	22.21	1.49E+06	1.14 Y	1.60	1.51	-5.7%	
PCB-21/33 234/23'4'-TrCB	22.39	1.50E+06	1.03 Y	1.64	1.52	-7.4%	
PCB-22 234'-TrCB	22.76	6.83E+05	0.97 Y	1.49	1.38	-7.3%	
PCB-36 33'5-TrCB	24.15	7.14E+05	1.05 Y	1.57	1.45	-7.9%	
PCB-39 34'5-TrCB	24.47	7.46E+05	1.10 Y	1.61	1.51	-6.2%	
PCB-38 345-TrCB	25.00	6.84E+05	1.00 Y	1.48	1.39	-6.1%	
PCB-35 33'4-TrCB	25.39	5.71E+05	1.07 Y	1.30	1.16	-11.4%	
PCB-37 344'-TrCB	25.75	6.10E+05	1.09 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	6.16E+05	0.71 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.70	8.52E+05	0.78 Y	0.98	0.98	0.3%	
PCB-45 22'36'-TeCB	22.28	3.63E+05	0.84 Y	0.85	0.84	-1.9%	
PCB-51 22'46'-TeCB	22.36	3.98E+05	0.83 Y	0.98	0.92	-6.3%	
PCB-46 22'36'-TeCB	22.56	3.38E+05	0.77 Y	0.79	0.78	-1.3%	
PCB-52 22'55'-TeCB	23.83	4.07E+05	0.79 Y	0.94	0.94	0.0%	
PCB-73 23'5'6-TeCB	23.96	5.11E+05	0.72 Y	1.23	1.18	-3.9%	

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:41				
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 15:50					
Datafile:	130826V04					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	3.22E+05	0.73 Y	0.78	0.74	-4.9%
PCB-69/49 23'46/22'45'-TeCB	24.25	9.44E+05	0.77 Y	1.12	1.09	-2.5%
PCB-48 22'45'-TeCB	24.53	4.00E+05	0.80 Y	0.95	0.92	-2.6%
PCB-44/47/65 ...-TeCB	24.74	1.26E+06	0.81 Y	1.00	0.97	-2.9%
PCB-59/62/75 ...-TeCB	25.02	1.54E+06	0.78 Y	1.25	1.19	-4.8%
PCB-42 22'34'-TeCB	25.18	3.16E+05	0.74 Y	0.83	0.73	-12.2%
PCB-41 22'34'-TeCB	25.51	3.06E+05	0.78 Y	0.75	0.71	-6.2%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	7.98E+05	0.78 Y	0.94	0.92	-2.3%
PCB-64 23'4'-TeCB	25.81	5.40E+05	0.78 Y	1.31	1.25	-5.0%
PCB-72 23'55'-TeCB	26.54	5.34E+05	0.77 Y	1.35	1.23	-8.5%
PCB-68 23'45'-TeCB	26.79	6.14E+05	0.76 Y	1.51	1.42	-5.9%
PCB-57 23'3'5'-TeCB	27.16	5.42E+05	0.81 Y	1.34	1.25	-6.7%
PCB-58 23'3'5'-TeCB	27.37	5.90E+05	0.79 Y	1.41	1.36	-3.5%
PCB-67 23'45'-TeCB	27.52	5.70E+05	0.77 Y	1.42	1.32	-7.4%
PCB-63 23'4'5'-TeCB	27.74	6.29E+05	0.78 Y	1.52	1.45	-4.6%
PCB-61/70/74/76 ...-TeCB	28.04	2.15E+06	0.77 Y	1.36	1.24	-8.8%
PCB-66 23'44'-TeCB	28.32	5.03E+05	0.81 Y	1.28	1.16	-8.9%
PCB-55 23'3'4'-TeCB	28.46	4.88E+05	0.72 Y	1.24	1.13	-8.6%
PCB-56 23'3'4'-TeCB	28.90	4.99E+05	0.76 Y	1.22	1.15	-5.1%
PCB-60 23'44'-TeCB	29.09	5.00E+05	0.75 Y	1.27	1.15	-9.4%
PCB-80 33'55'-TeCB	29.44	5.84E+05	0.81 Y	1.45	1.35	-7.0%
PCB-79 33'45'-TeCB	30.76	5.99E+05	0.70 Y	1.45	1.38	-4.8%
PCB-78 33'45'-TeCB	31.25	4.36E+05	0.74 Y	1.10	1.01	-8.5%
PCB-104 22'46'6'-PeCB	24.69	5.92E+05	0.63 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.00	4.92E+05	0.61 Y	0.95	0.87	-8.5%
PCB-103 22'45'6'-PeCB	26.71	3.61E+05	0.66 Y	0.99	1.10	11.1%
PCB-94 22'35'6'-PeCB	26.89	2.97E+05	0.69 Y	0.85	0.91	6.6%
PCB-95 22'35'6'-PeCB	27.27	3.32E+05	0.58 Y	0.92	1.02	10.7%
PCB-100/93 22'44'6/22'35'6'-PeC	27.49	5.97E+05	0.66 Y	0.92	0.91	-1.3%
PCB-102 22'45'6'-PeCB	27.61	3.70E+05	0.64 Y	1.03	1.13	10.1%
PCB-98 22'34'6'-PeCB	27.68	2.30E+05	0.67 Y	0.81	0.70	-12.8%
PCB-88 22'34'6'-PeCB	27.96	2.25E+05	0.62 Y	0.74	0.69	-7.3%
PCB-91 22'34'6'-PeCB	28.03	3.58E+05	0.61 Y	1.06	1.09	2.9%
PCB-84 22'33'6'-PeCB	28.22	2.73E+05	0.68 Y	0.77	0.84	8.5%
PCB-89 22'34'6'-PeCB	28.64	2.74E+05	0.54 Y	0.82	0.84	2.3%
PCB-121 23'45'6'-PeCB	29.01	4.20E+05	0.70 Y	1.21	1.28	5.7%
PCB-92 22'35'5'-PeCB	29.32	2.95E+05	0.67 Y	0.84	0.90	7.9%
PCB-113/90/101 ...-PeCB	29.80	9.87E+05	0.63 Y	1.00	1.01	1.0%
PCB-83 22'33'5'-PeCB	30.24	2.52E+05	0.61 Y	0.71	0.77	9.0%

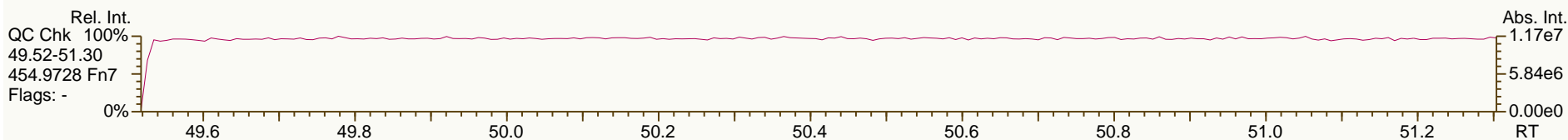
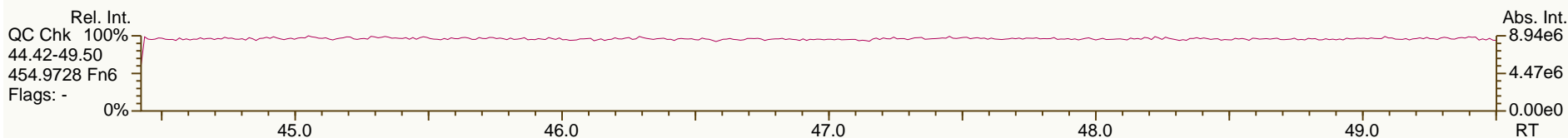
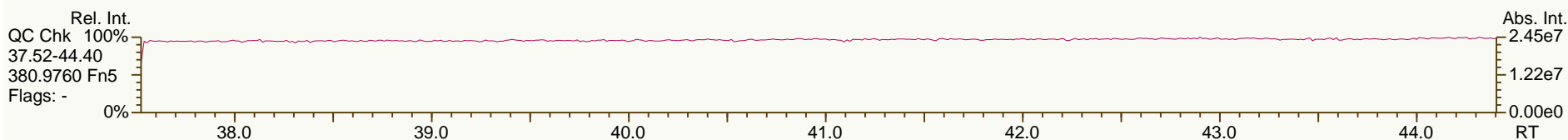
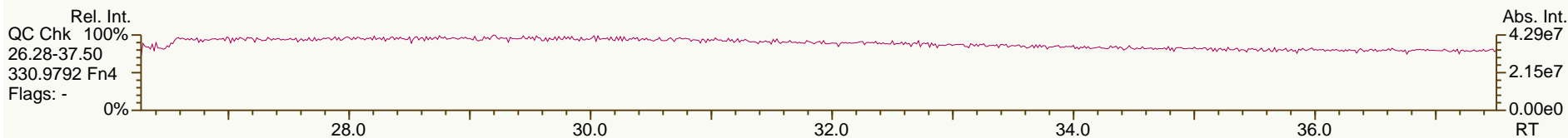
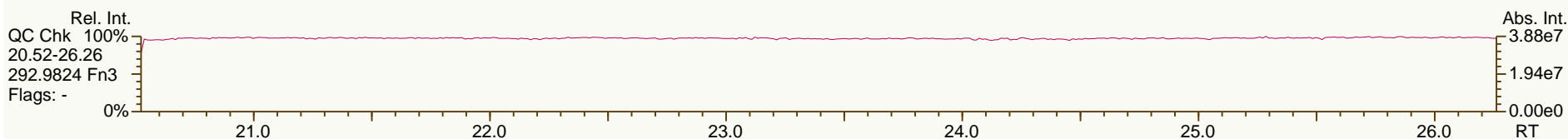
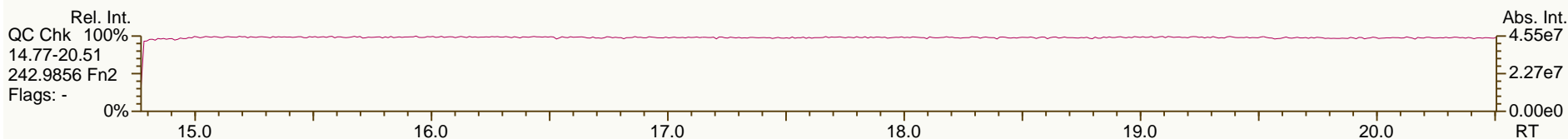
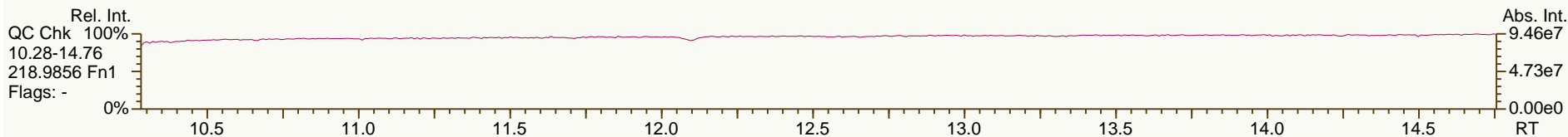
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:41			
Lab ID:	CS0_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 15:50						
Datafile:	130826V04						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	2.93E+05	0.67 Y	0.90	0.89		-0.9%
PCB-112 233'56-PeCB	30.44	3.97E+05	0.61 Y	1.13	1.21		7.6%
PCB-108/119/86/97/125...-PeCB	30.79	1.86E+06	0.62 Y	0.99	0.95		-4.3%
PCB-117 234'56-PeCB	31.32	3.59E+05	0.67 Y	1.10	1.10		-0.2%
PCB-116/85 23456/22'344'-PeCB	31.41	5.99E+05	0.63 Y	0.95	0.92		-4.0%
PCB-110 233'46-PeCB	31.53	3.64E+05	0.60 Y	1.05	1.11		5.9%
PCB-115 2344'6-PeCB	31.62	3.76E+05	0.59 Y	1.13	1.15		1.5%
PCB-82 22'33'4-PeCB	31.81	2.54E+05	0.66 Y	0.69	0.78		12.7%
PCB-111 233'55'-PeCB	32.14	3.79E+05	0.68 Y	1.17	1.16		-0.7%
PCB-120 23'455'-PeCB	32.54	3.62E+05	0.61 Y	1.11	1.11		0.1%
PCB-107/124 ...-PeCB	33.51	5.71E+05	0.62 Y	0.99	0.87		-12.0%
PCB-109 233'46-PeCB	33.72	3.14E+05	0.60 Y	1.07	0.96		-10.1%
PCB-106 233'45-PeCB	33.93	2.92E+05	0.60 Y	0.98	0.89		-9.1%
PCB-122 233'4'5'-PeCB	34.40	2.61E+05	0.56 Y	0.87	0.78		-10.3%
PCB-127 33'455'-PeCB	36.37	2.64E+05	0.62 Y	0.91	0.81		-11.6%
PCB-155 22'44'66'-HxCB	29.67	5.79E+05	1.28 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	5.30E+05	1.30 Y	1.12	1.04		-7.3%
PCB-150 22'34'66'-HxCB	29.96	5.09E+05	1.24 Y	1.11	1.00		-10.3%
PCB-136 22'33'66'-HxCB	30.26	4.99E+05	1.30 Y	1.04	0.98		-5.7%
PCB-145 22'3466'-HxCB	30.54	4.78E+05	1.23 Y	1.05	0.94		-10.5%
PCB-148 22'34'56'-HxCB	31.83	3.37E+05	1.39 Y	1.15	1.02		-11.5%
PCB-151/135 ...-HxCB	32.34	6.83E+05	1.15 Y	1.11	1.03		-7.0%
PCB-154 22'44'56'-HxCB	32.57	3.69E+05	1.21 Y	1.29	1.12		-13.2%
PCB-144 22'345'6-HxCB	32.82	3.32E+05	1.30 Y	1.12	1.00		-10.7%
PCB-147/149 ...-HxCB	33.13	6.62E+05	1.21 Y	1.15	1.00		-12.5%
PCB-134 22'33'56-HxCB	33.29	2.56E+05	1.42 Y	0.88	0.77		-12.1%
PCB-143 22'3456'-HxCB	33.38	3.23E+05	1.20 Y	1.10	0.98		-10.8%
PCB-139/140 ...-HxCB	33.65	6.78E+05	1.18 Y	1.15	1.03		-10.9%
PCB-131 22'33'46-HxCB	33.82	2.47E+05	1.30 Y	0.96	0.75		-22.2%
PCB-142 22'3456-HxCB	33.97	2.48E+05	1.13 Y	0.94	0.75		-20.5%
PCB-132 22'33'46'-HxCB	34.20	2.51E+05	1.18 Y	0.98	0.76		-22.2%
PCB-133 22'33'55'-HxCB	34.62	2.84E+05	1.29 Y	1.03	0.86		-16.1%
PCB-165 233'55'6-HxCB	34.97	3.42E+05	1.29 Y	1.25	1.04		-17.2%
PCB-146 22'34'55'-HxCB	35.18	3.20E+05	1.22 Y	1.11	0.97		-13.0%
PCB-161 233'45'6-HxCB	35.30	3.44E+05	1.28 Y	1.34	1.04		-22.4%
PCB-153/168 ...-HxCB	35.74	7.60E+05	1.26 Y	1.33	1.15		-13.9%
PCB-141 22'3455'-HxCB	35.87	2.66E+05	1.24 Y	0.98	0.81		-17.7%
PCB-130 22'33'45'-HxCB	36.22	2.24E+05	1.23 Y	0.85	0.68		-20.0%
PCB-137 22'344'5-HxCB	36.42	2.56E+05	1.18 Y	1.02	0.77		-24.4%
PCB-164 233'4'5'6-HxCB	36.51	3.31E+05	1.30 Y	1.35	1.00		-25.5%
PCB-163/138/129 ...-HxCB	36.80	9.07E+05	1.33 Y	1.08	0.92		-15.6%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:41				
Lab ID:	CS0_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 15:50					
Datafile:	130826V04					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.93	3.39E+05	1.11 Y	1.22	1.03	-15.8%
PCB-158 233'44'6-HxCB	37.12	3.65E+05	1.19 Y	1.36	1.11	-18.7%
PCB-128/166 ...-HxCB	37.86	5.61E+05	1.22 Y	0.96	0.91	-5.0%
PCB-159 233'455'-HxCB	38.69	3.17E+05	1.30 Y	1.08	1.03	-4.9%
PCB-162 233'4'55'-HxCB	38.93	3.04E+05	1.32 Y	1.05	0.99	-6.4%
PCB-188 22'34'566'-HpCB	34.58	4.86E+05	1.07 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.85	4.21E+05	1.02 Y	0.81	0.74	-9.0%
PCB-184 22'344'66'-HpCB	35.33	3.79E+05	1.03 Y	0.78	0.67	-15.1%
PCB-176 22'33'466'-HpCB	35.61	4.26E+05	1.04 Y	0.86	0.75	-13.0%
PCB-186 22'34566'-HpCB	36.01	4.33E+05	1.02 Y	0.81	0.76	-6.2%
PCB-178 22'33'55'6-HpCB	37.16	2.91E+05	1.03 Y	0.57	0.51	-9.8%
PCB-175 22'33'45'6-HpCB	37.72	2.60E+05	1.02 Y	0.99	0.86	-12.5%
PCB-187 22'34'55'6-HpCB	37.95	2.84E+05	1.06 Y	1.05	0.94	-10.4%
PCB-182 22'344'56'-HpCB	38.13	3.23E+05	1.08 Y	1.10	1.07	-2.7%
PCB-183 22'344'5'6-HpCB	38.48	3.56E+05	0.97 Y	1.14	1.18	4.1%
PCB-185 22'3455'6-HpCB	38.56	2.79E+05	1.15 Y	0.99	0.93	-6.8%
PCB-174 22'33'456'-HpCB	38.67	2.27E+05	1.08 Y	0.90	0.76	-16.4%
PCB-177 22'33'45'6'-HpCB	39.04	2.11E+05	1.15 Y	0.85	0.70	-17.3%
PCB-181 22'344'56'-HpCB	39.40	2.65E+05	1.32 N	0.98	0.88	-9.8%
PCB-171/173 ...-HpCB	39.58	4.73E+05	1.07 Y	0.87	0.79	-9.7%
PCB-172 22'33'455'-HpCB	40.96	2.47E+05	1.09 Y	0.87	0.82	-5.7%
PCB-192 233'455'6-HpCB	41.21	3.14E+05	1.02 Y	1.12	1.04	-6.7%
PCB-180/193 ...-HpCB	41.49	5.97E+05	1.06 Y	1.08	0.99	-7.8%
PCB-191 233'44'5'6-HpCB	41.83	3.10E+05	1.02 Y	1.15	1.03	-10.0%
PCB-170 22'33'44'5-HpCB	42.60	2.33E+05	1.03 Y	0.99	0.93	-5.8%
PCB-190 233'44'56-HpCB	43.06	3.09E+05	1.10 Y	1.33	1.23	-7.2%
PCB-202 22'33'55'66'-OcCB	39.16	3.34E+05	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.95	4.03E+05	0.89 Y	0.95	0.90	-5.2%
PCB-204 22'344'566'-OcCB	40.54	3.61E+05	1.03 N	0.89	0.81	-9.6%
PCB-197 22'33'44'66'-OcCB	40.73	3.29E+05	1.01 Y	0.95	0.74	-22.5%
PCB-200 22'33'4566'-OcCB	40.81	3.60E+05	0.93 Y	0.87	0.81	-7.2%
PCB-198/199 ...-OcCB	43.19	4.45E+05	0.99 Y	0.60	0.50	-17.3%
PCB-196 22'33'44'56'-OcCB	43.77	2.38E+05	0.81 Y	0.63	0.53	-15.6%
PCB-203 22'344'55'6-OcCB	43.95	2.13E+05	0.87 Y	0.64	0.48	-25.2%
PCB-195 22'33'44'56-OcCB	45.08	1.82E+05	0.87 Y	0.82	0.75	-8.5%
PCB-194 22'33'44'55'-OcCB	47.09	2.13E+05	0.95 Y	0.90	0.88	-2.2%
PCB-205 233'44'55'6-OcCB	47.50	2.44E+05	0.90 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.88	2.96E+05	0.70 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.69	3.02E+05	0.78 Y	1.01	0.93	-7.3%
PCB-206 22'33'44'55'6-NoCB	49.02	2.03E+05	0.82 Y	0.85	-	-

SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

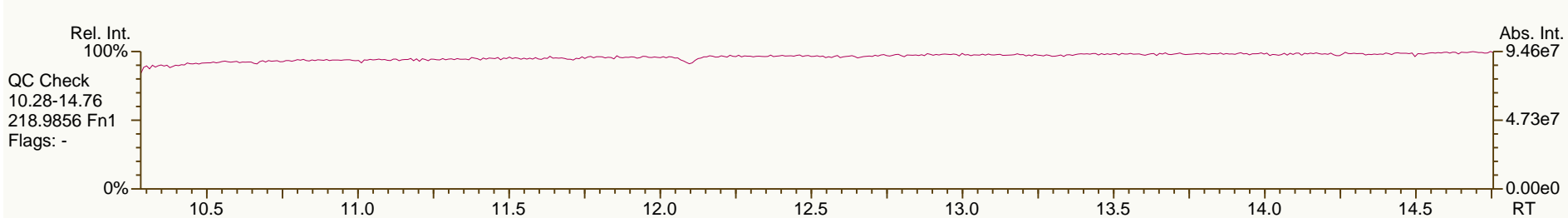
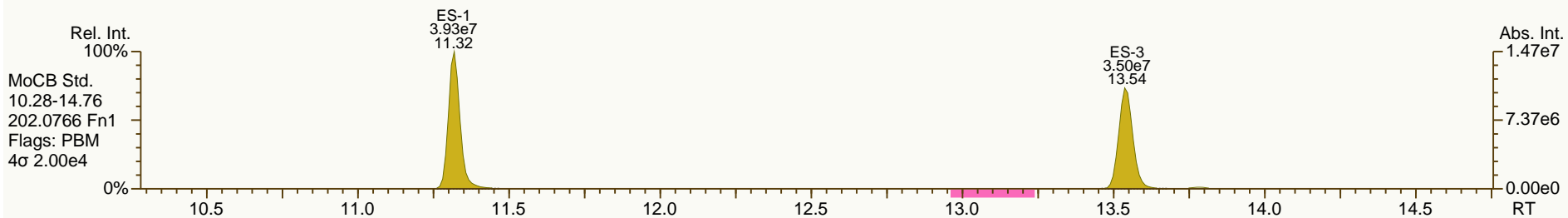
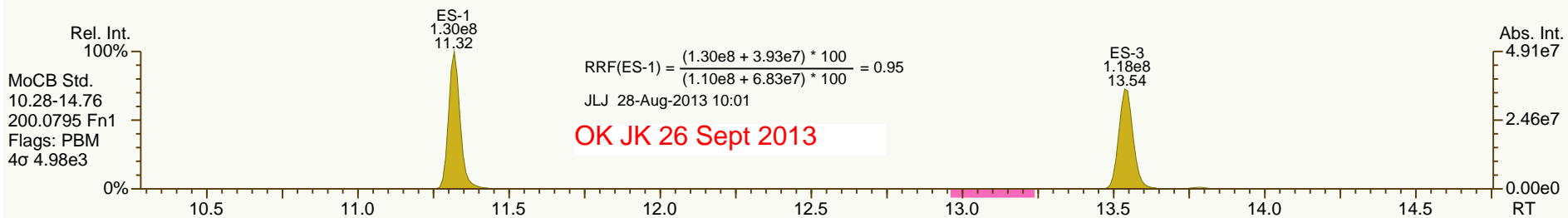
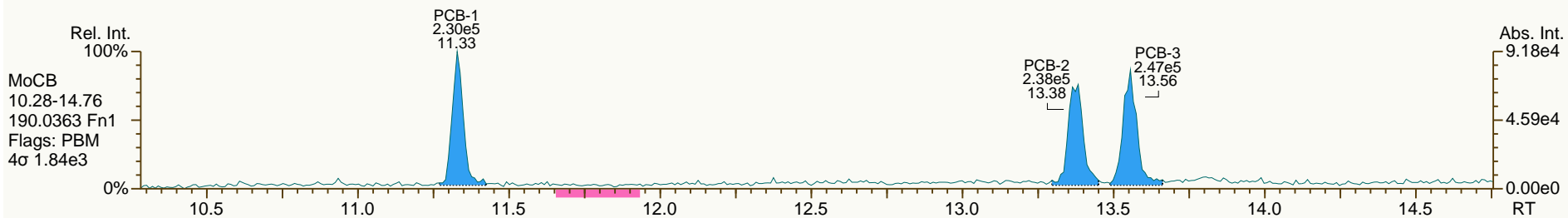
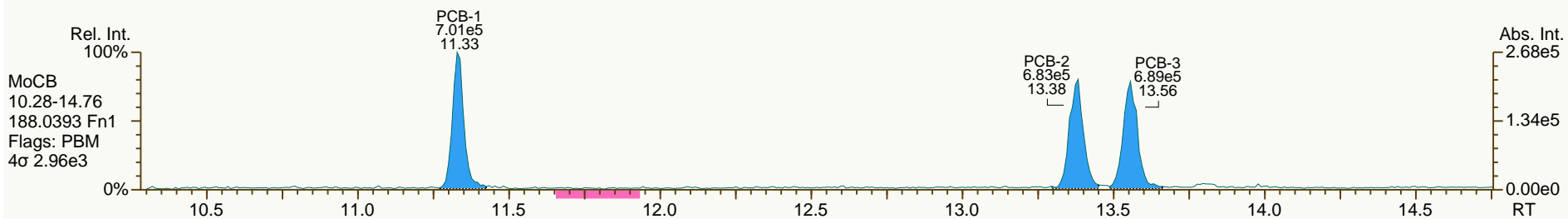
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

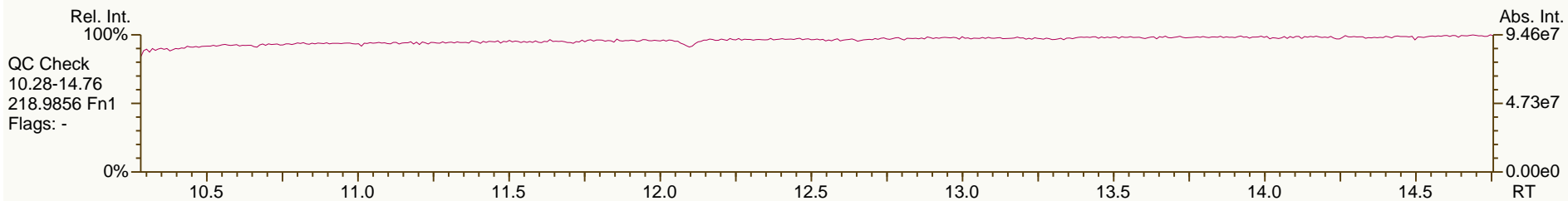
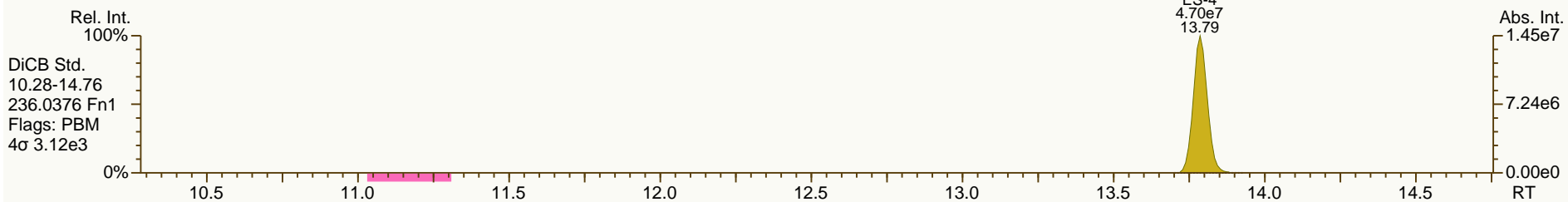
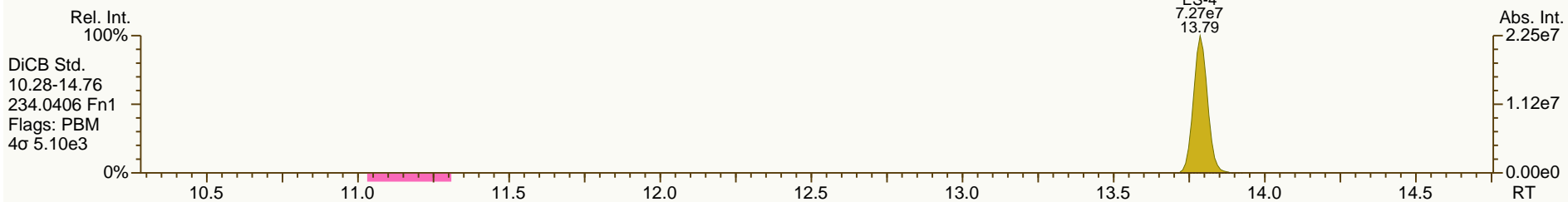
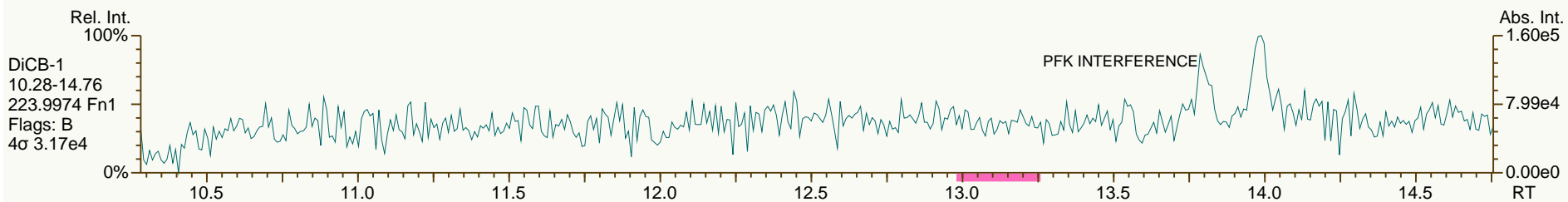
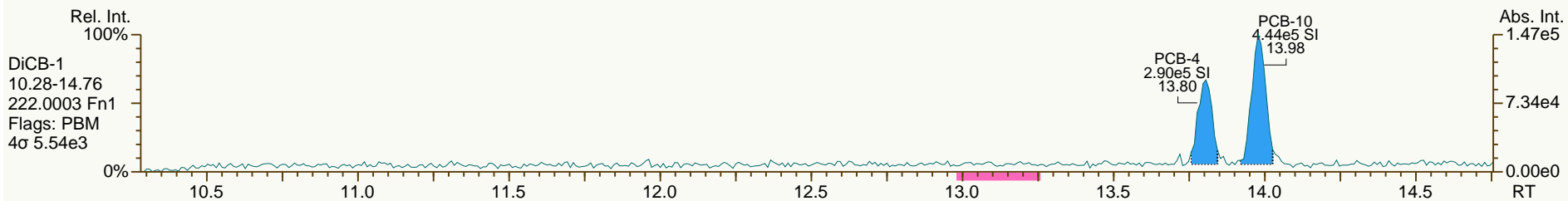
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

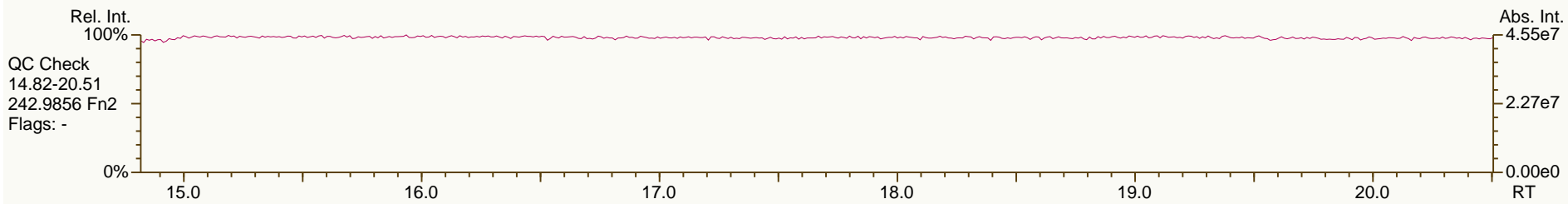
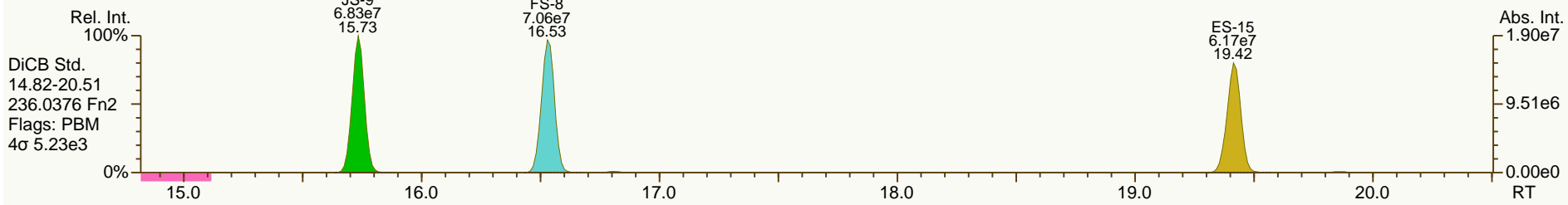
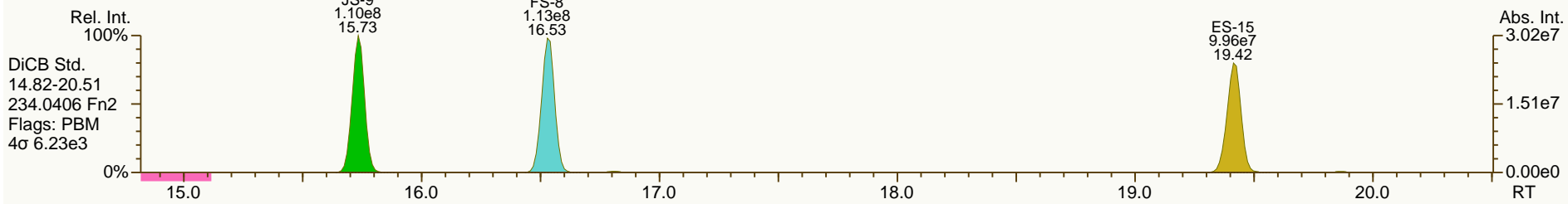
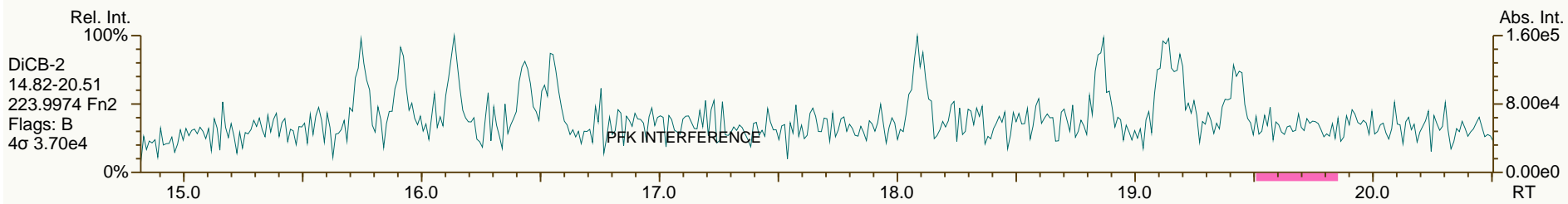
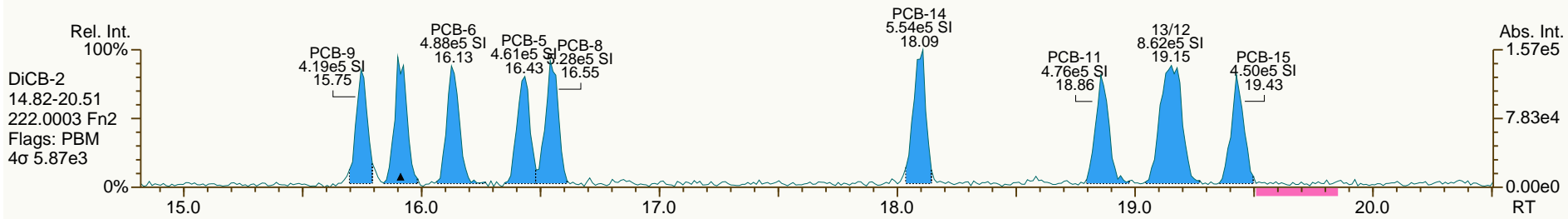
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

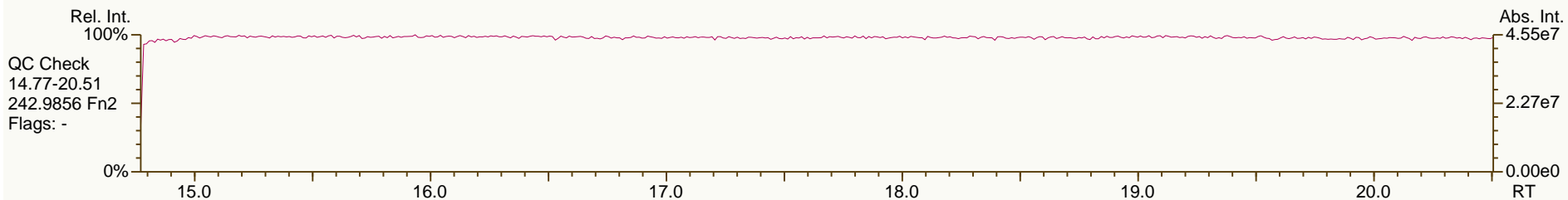
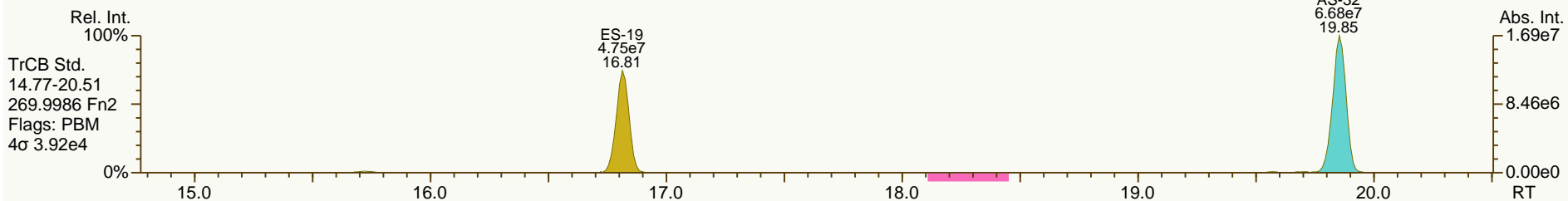
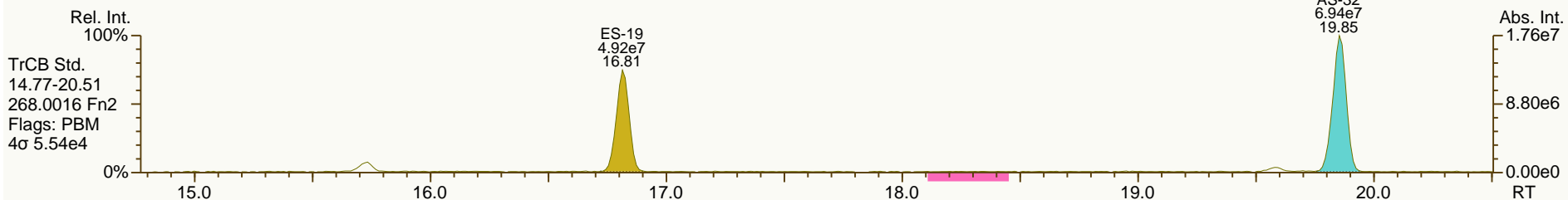
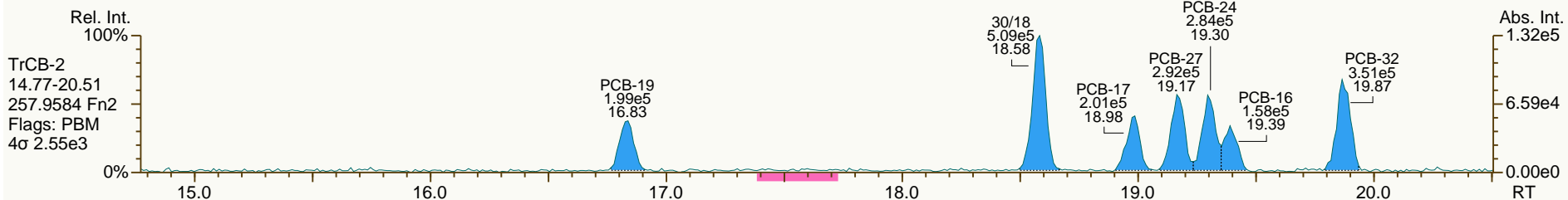
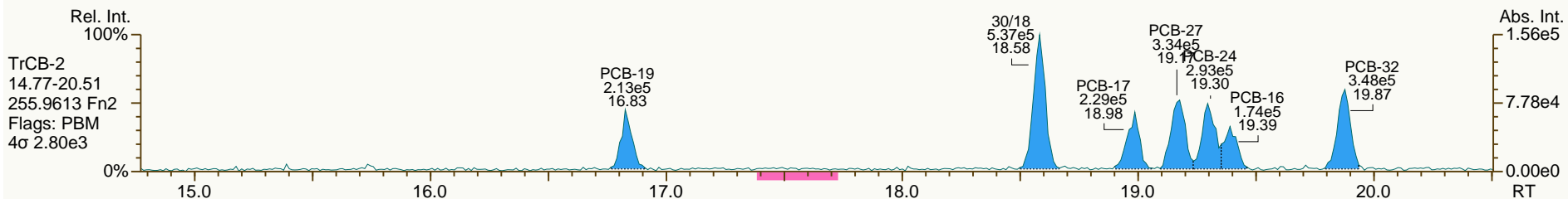
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

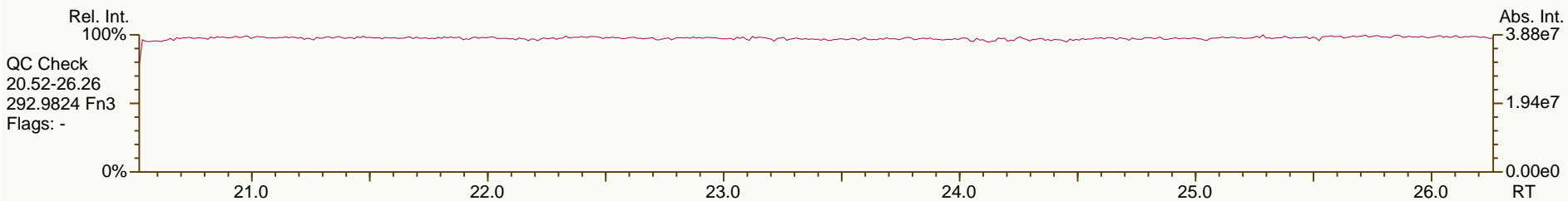
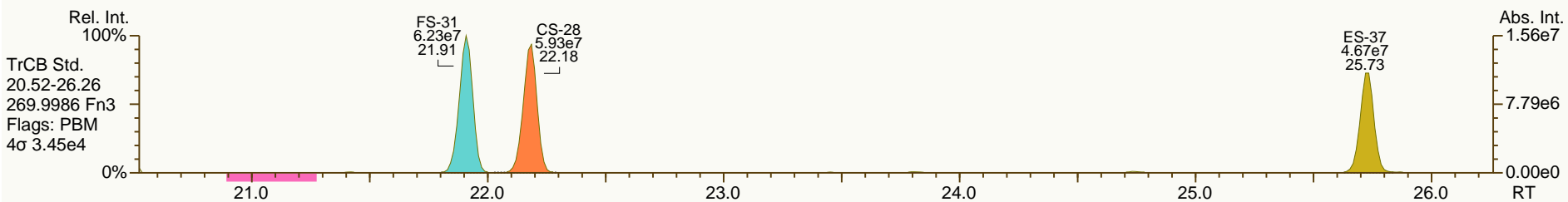
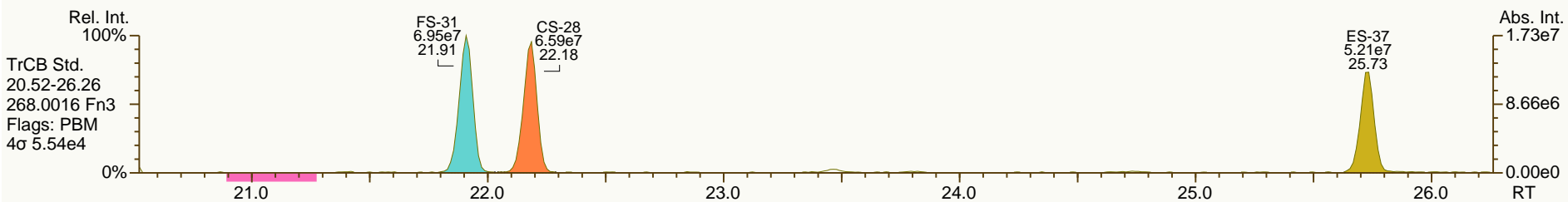
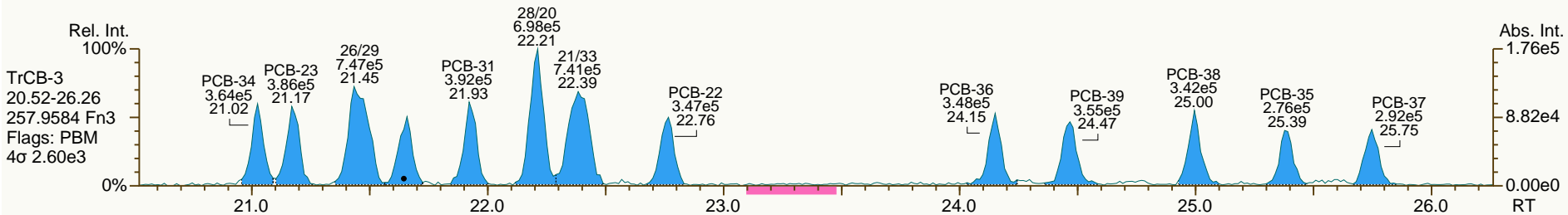
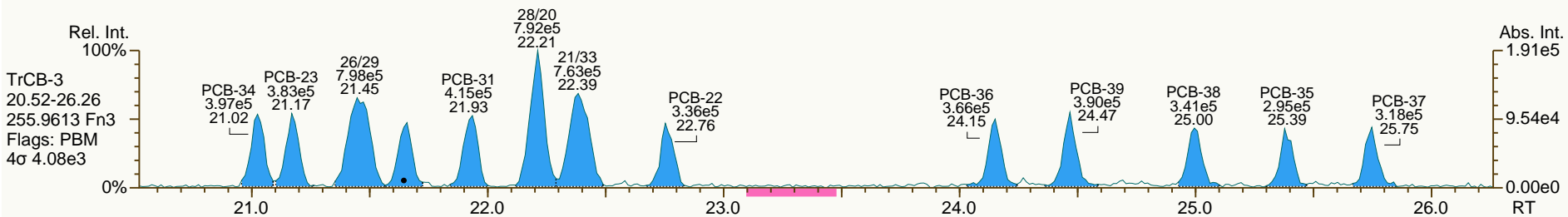
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

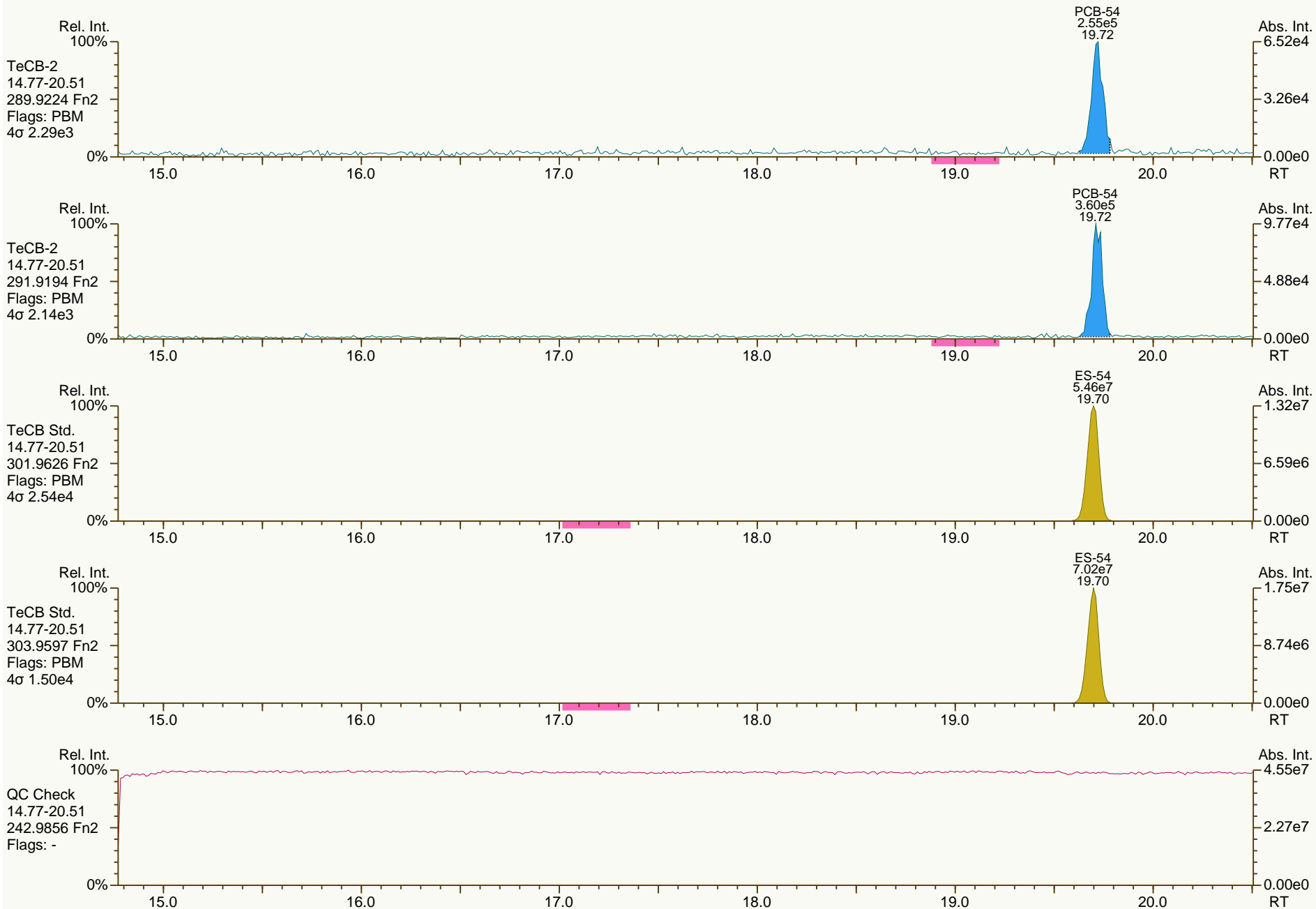
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

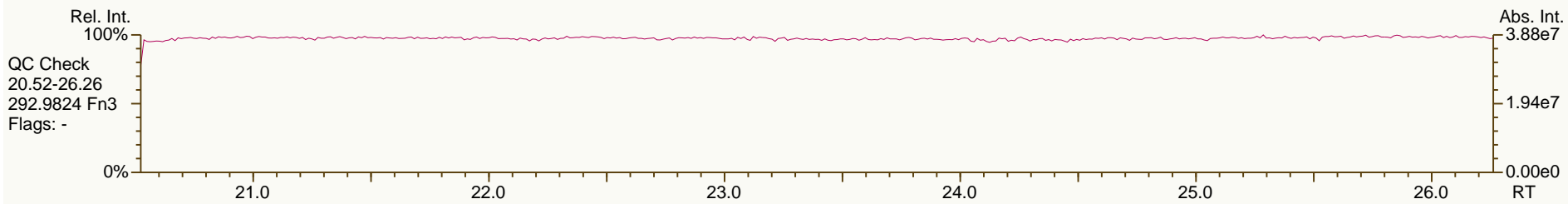
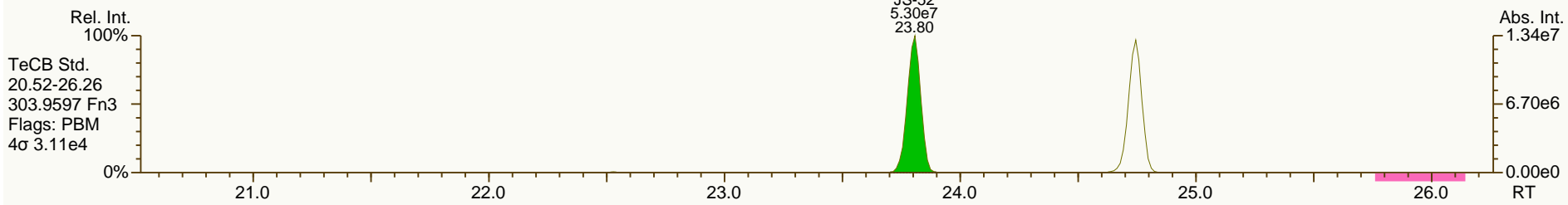
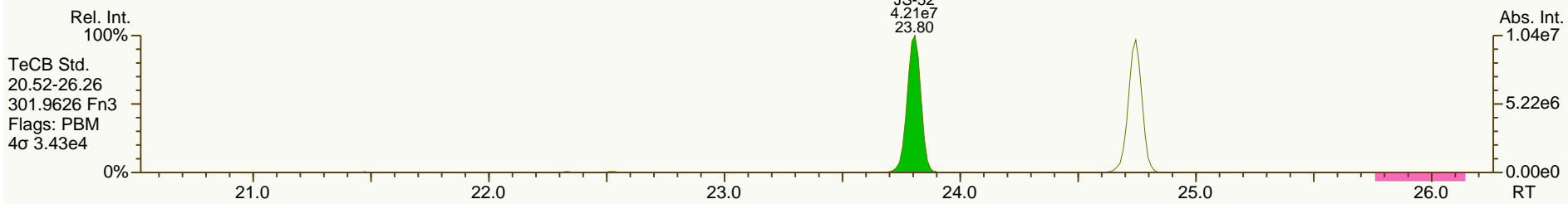
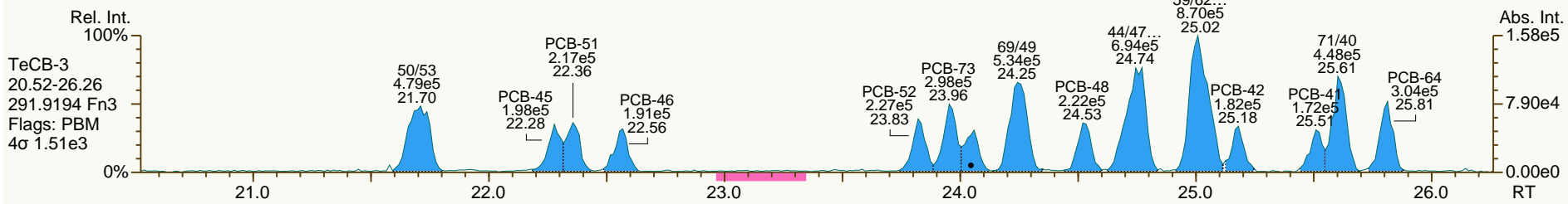
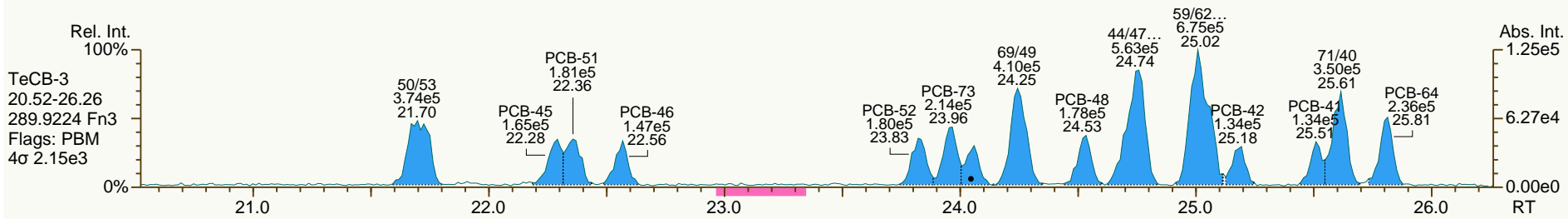
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

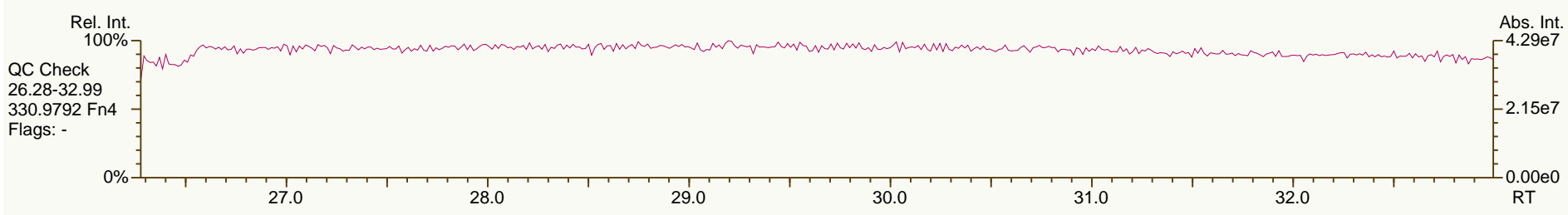
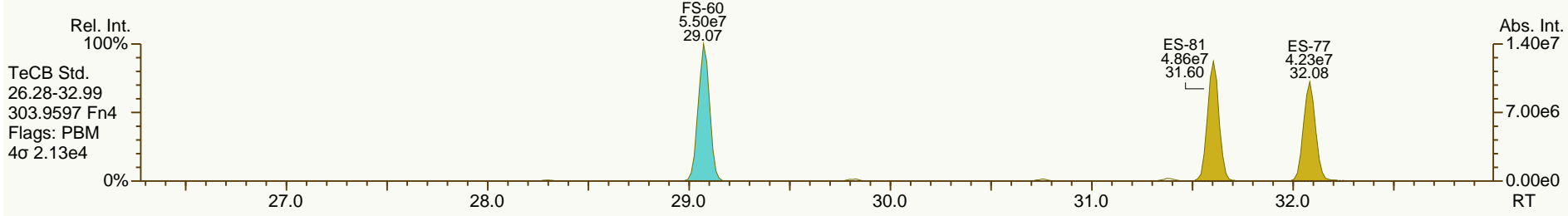
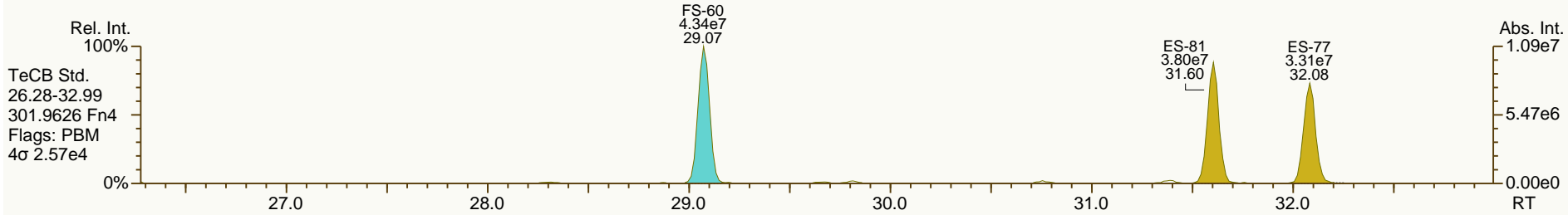
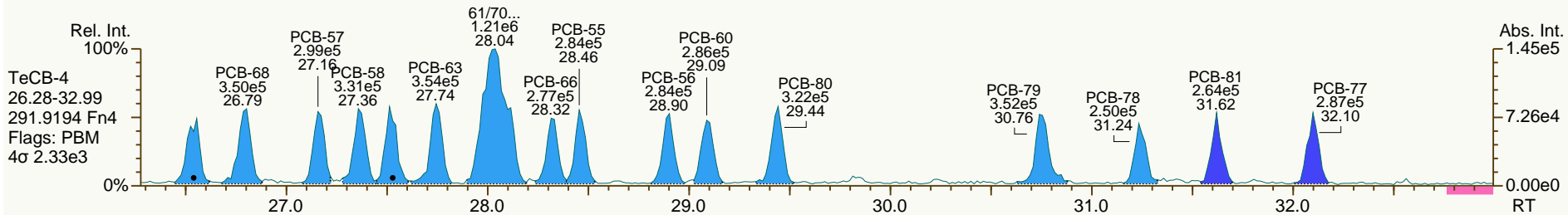
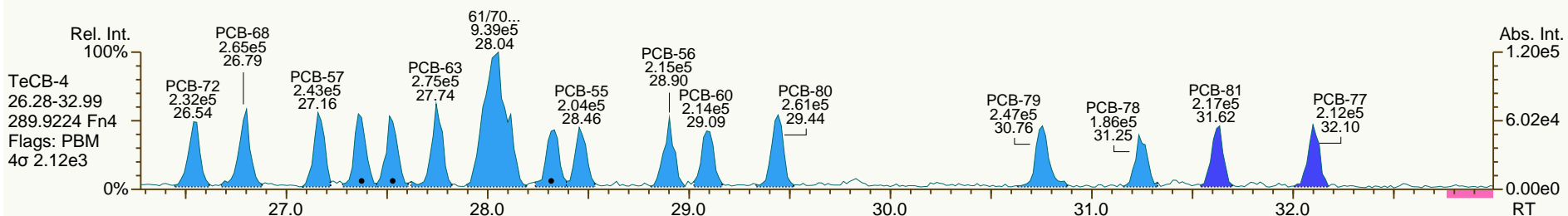
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

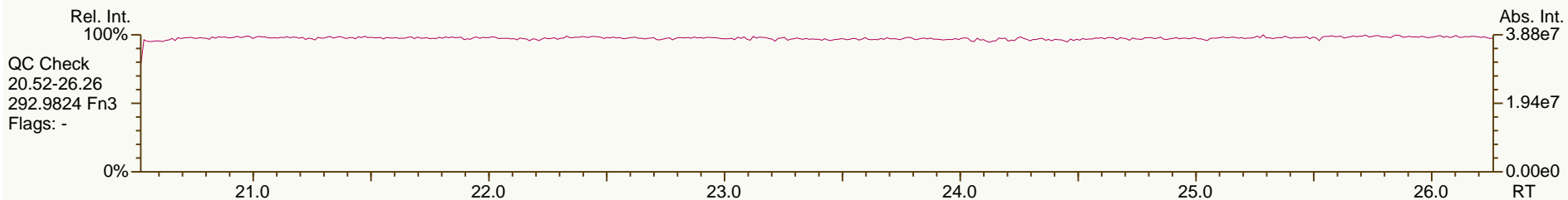
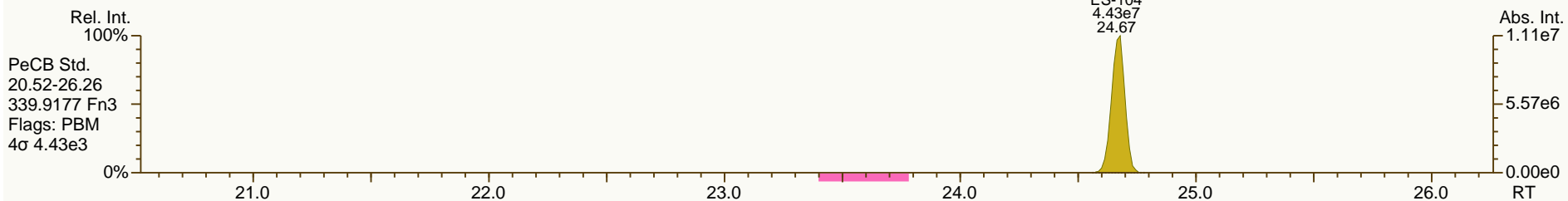
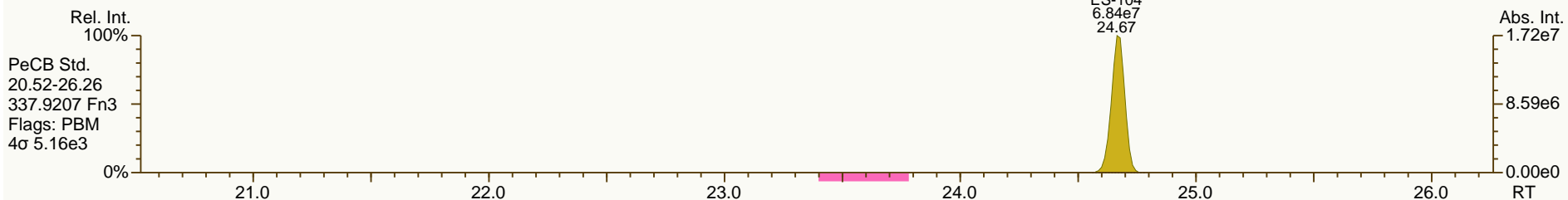
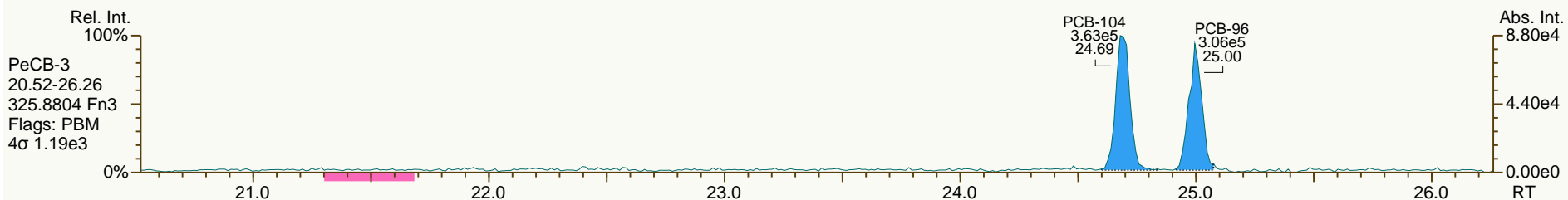
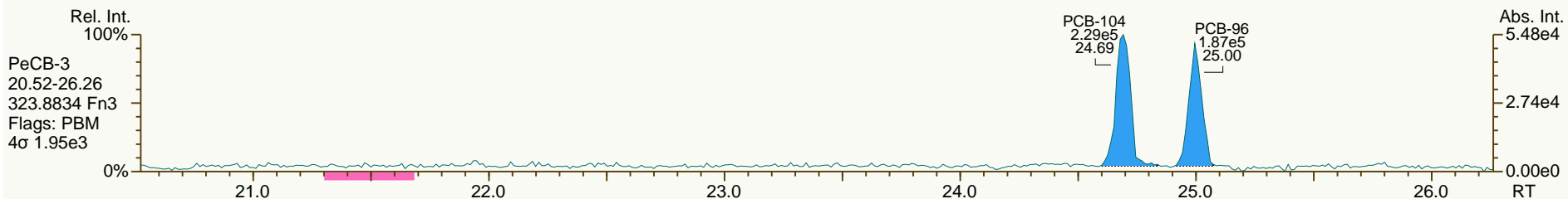
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

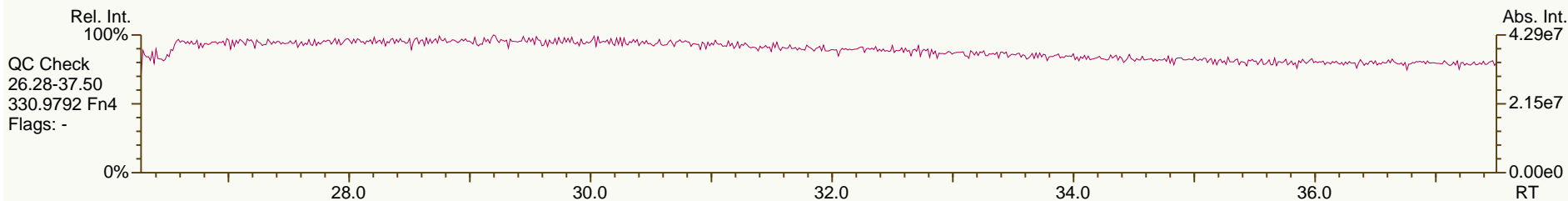
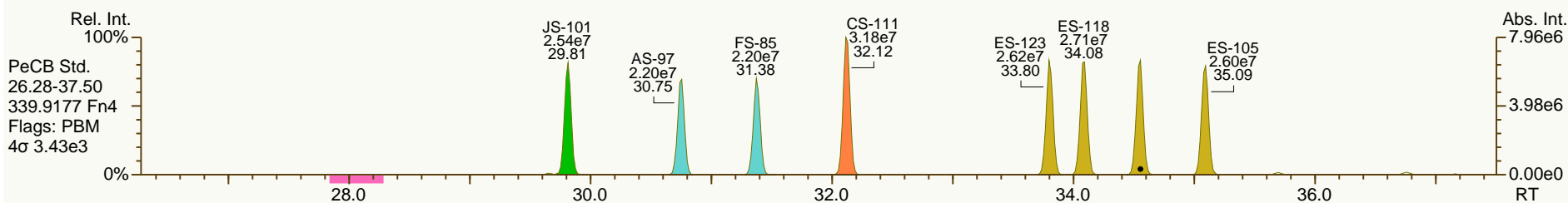
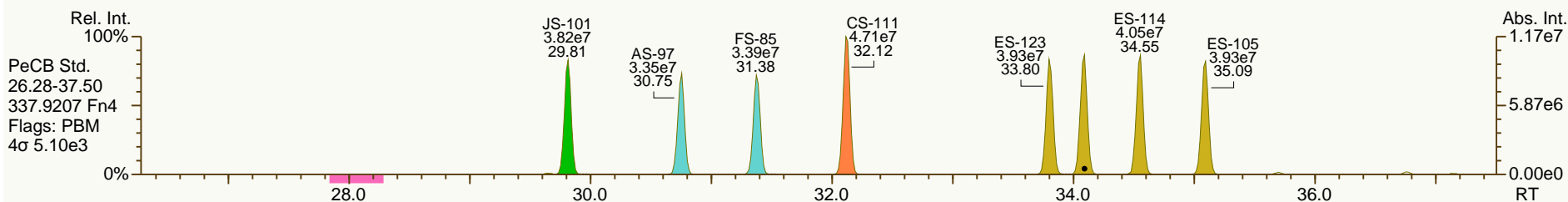
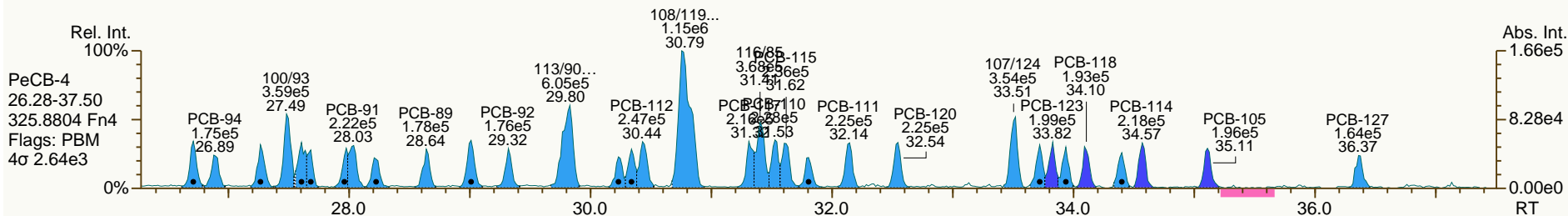
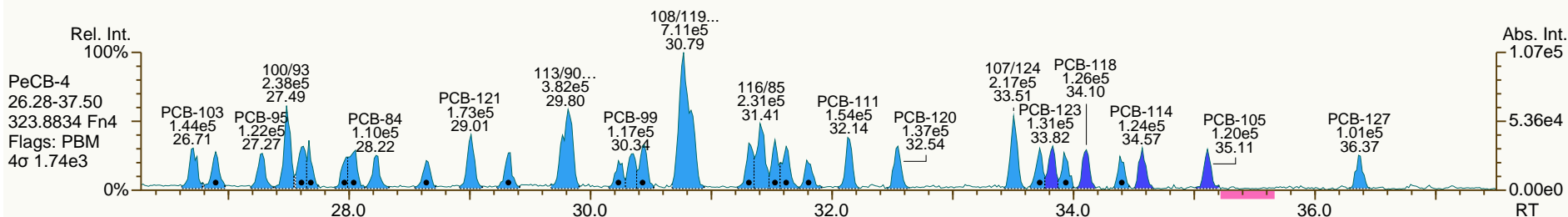
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SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

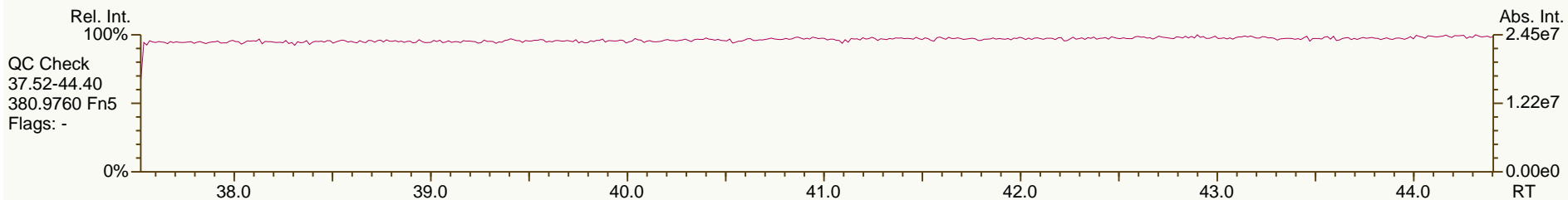
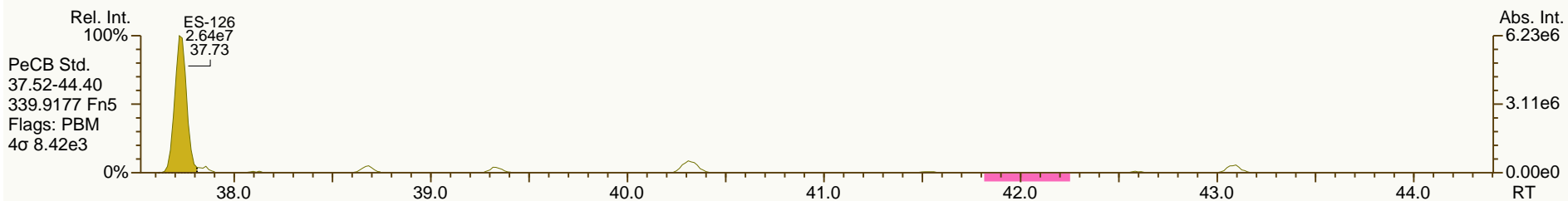
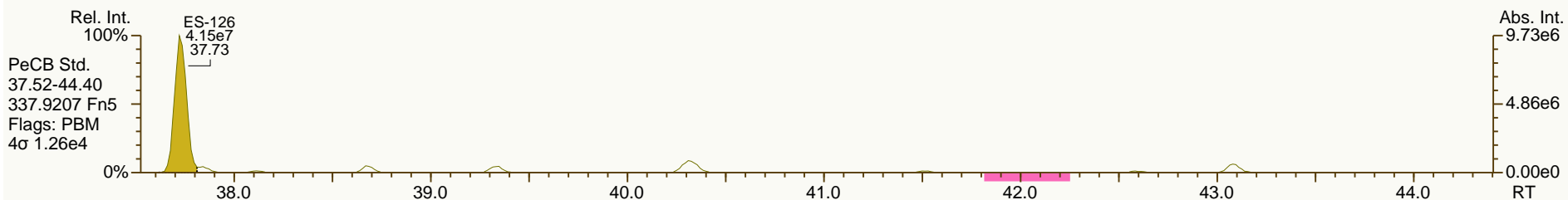
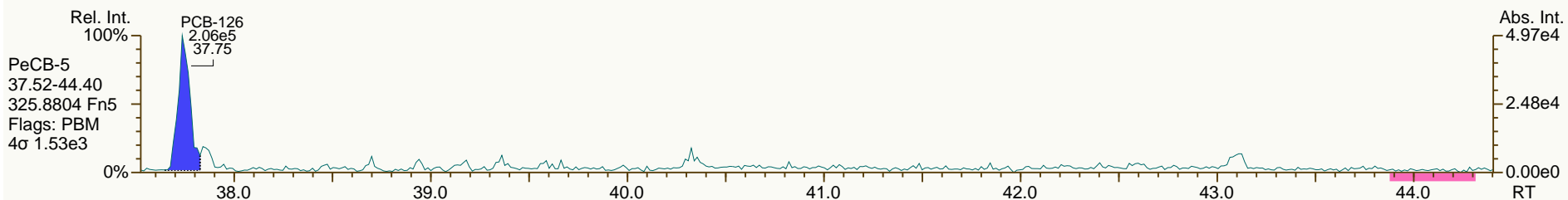
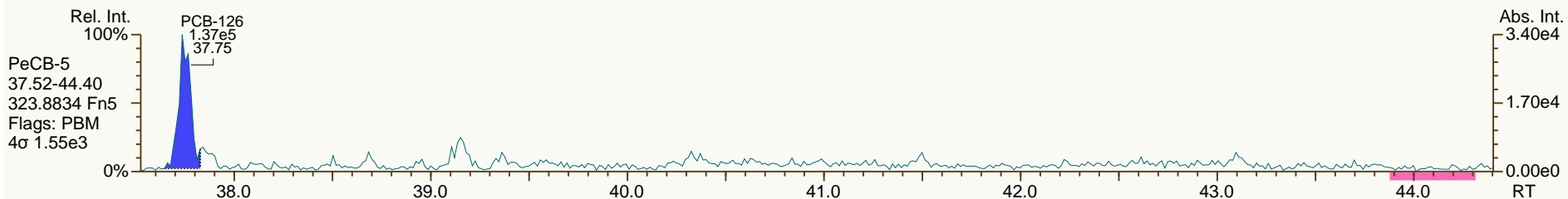
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

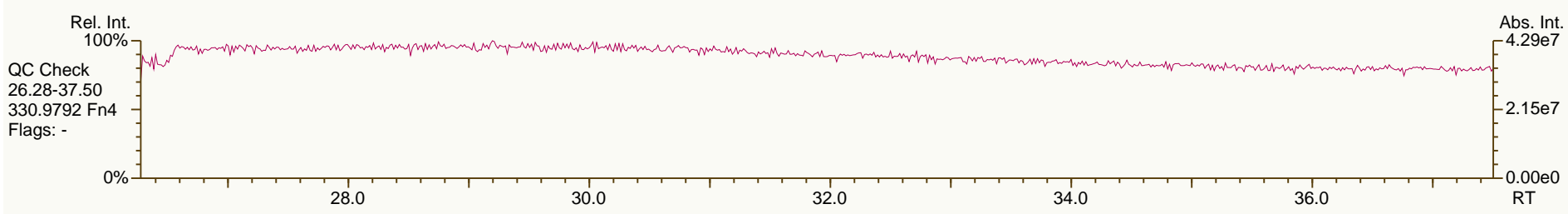
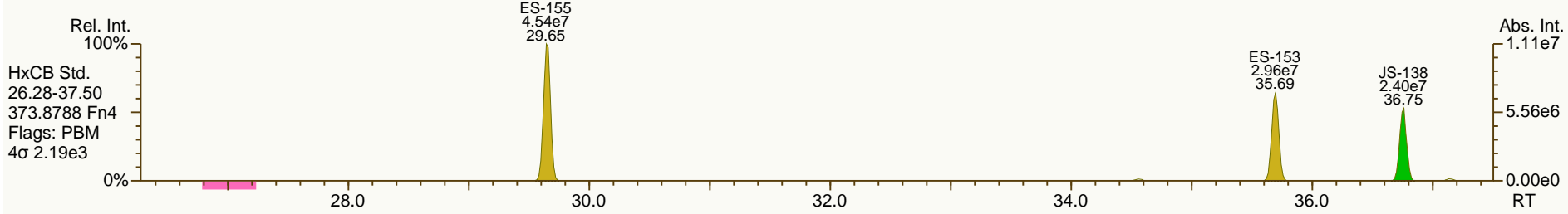
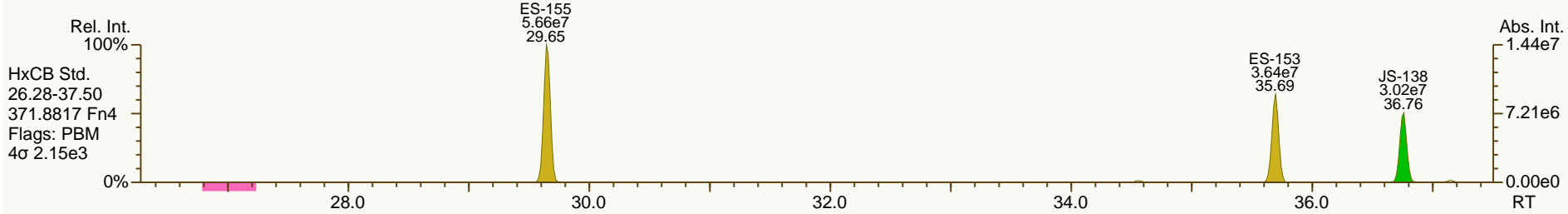
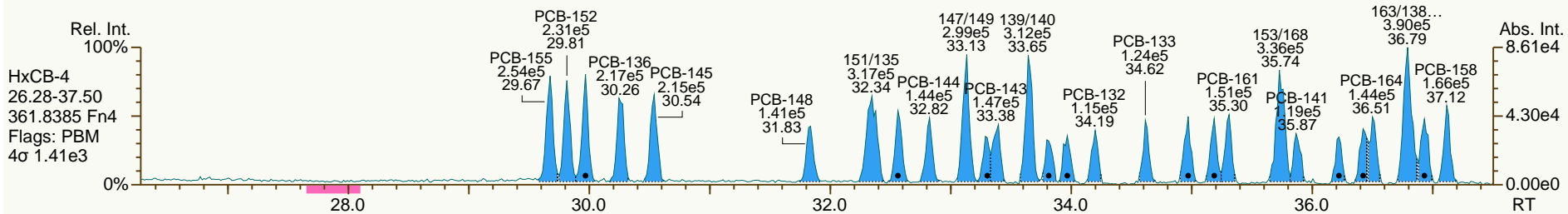
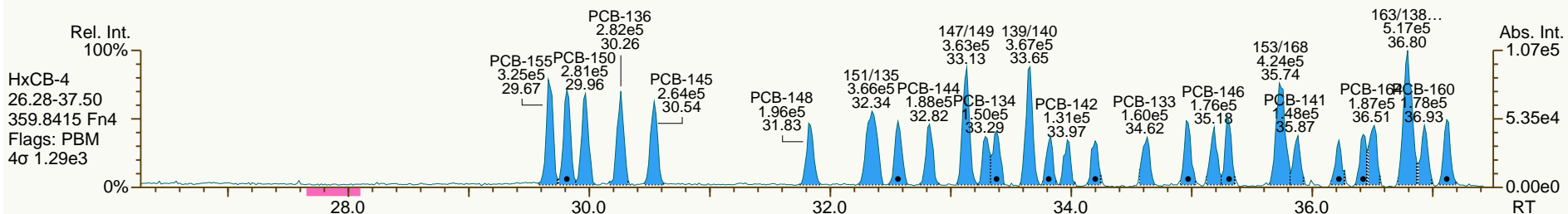
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 User: JLJ Datafile: 130826V04



SGS-AP ID: CS0_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

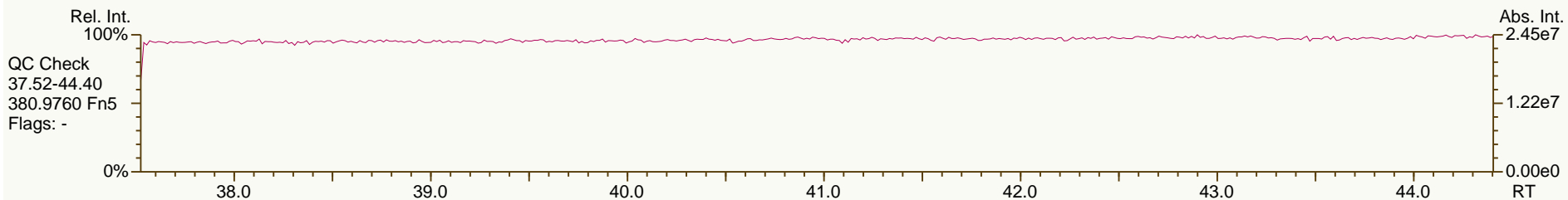
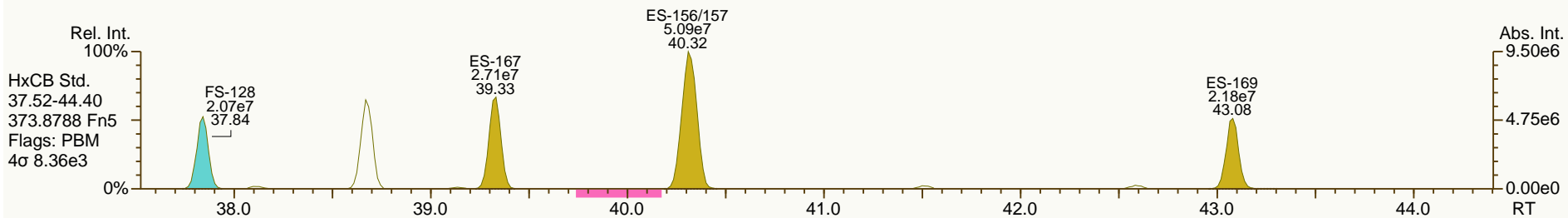
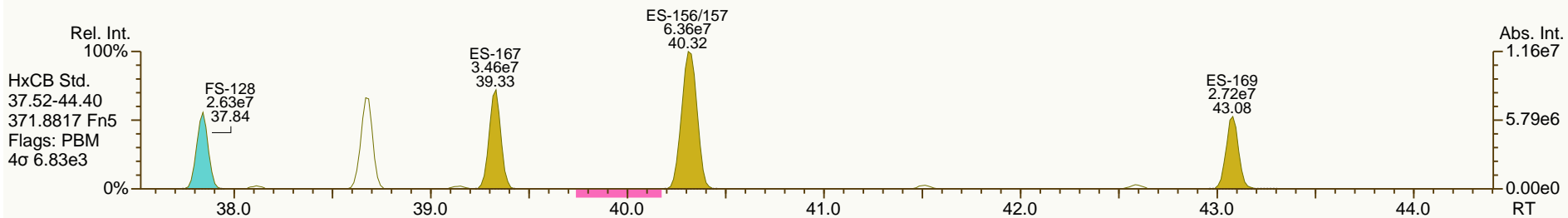
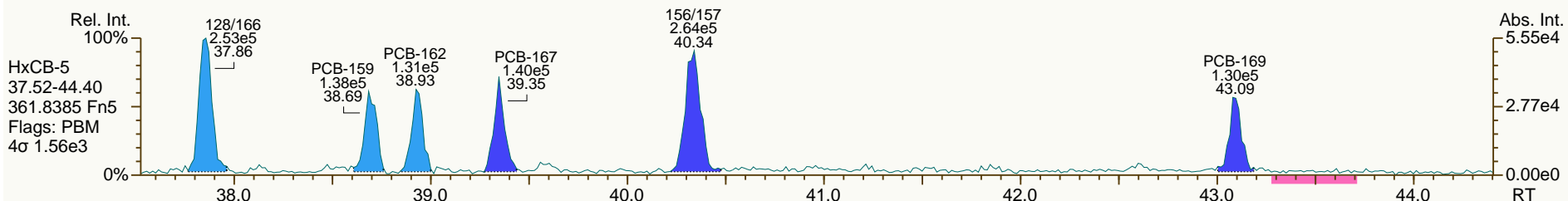
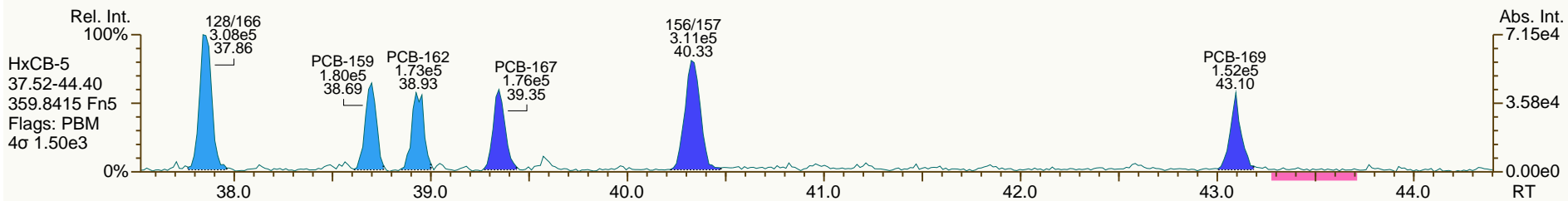
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

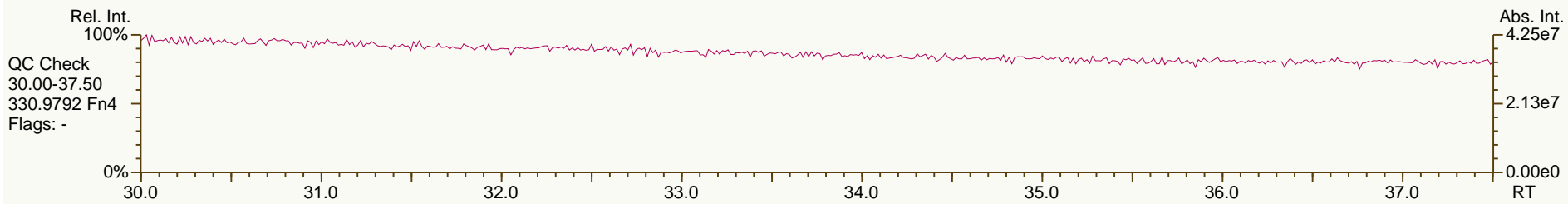
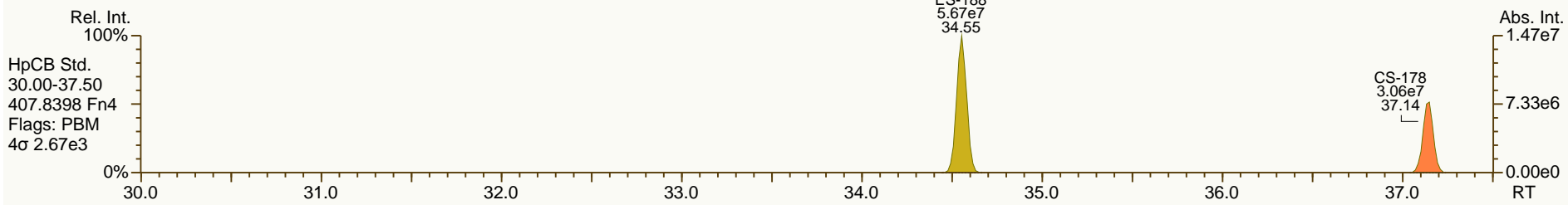
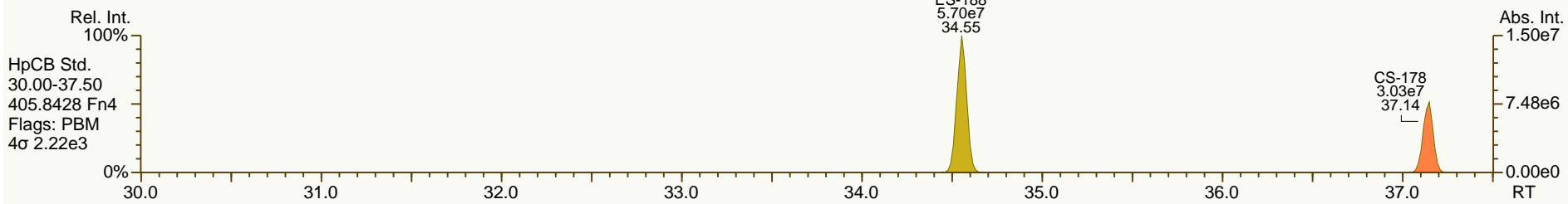
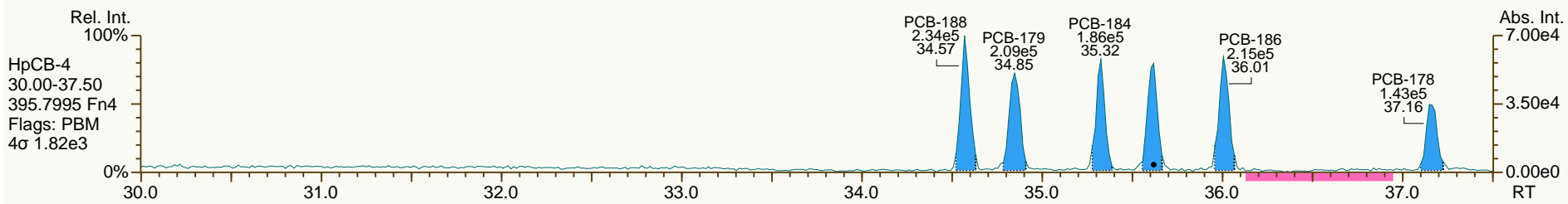
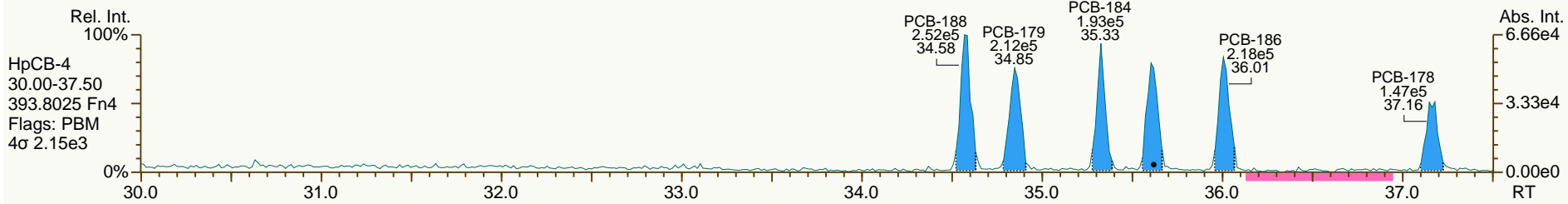
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

Acq: 26-Aug-2013 15:50:52
 User: JLJ Datafile: 130826V04



SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

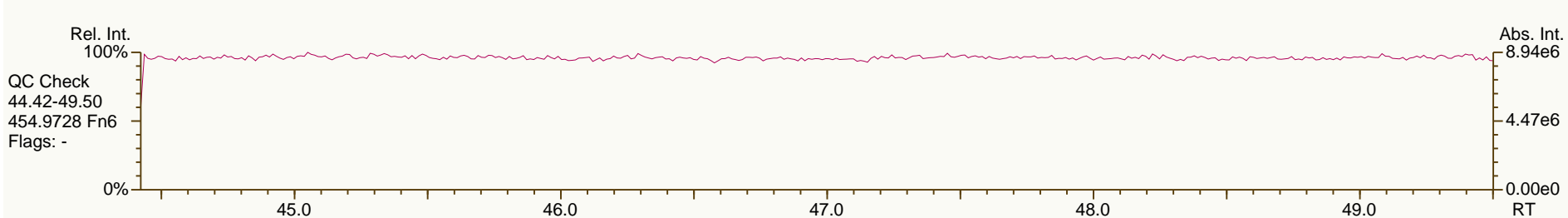
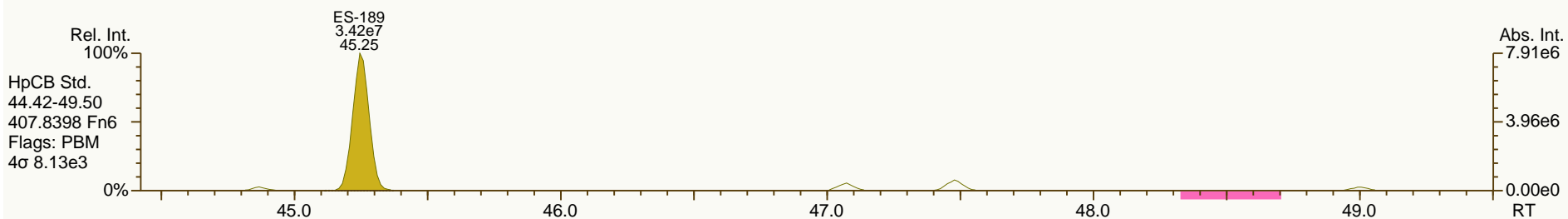
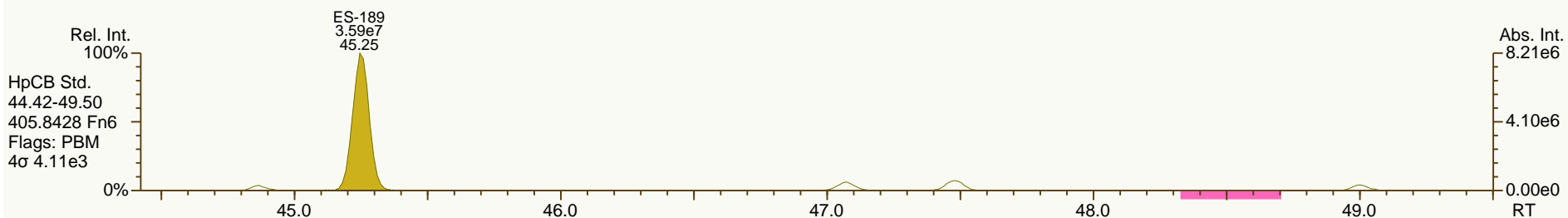
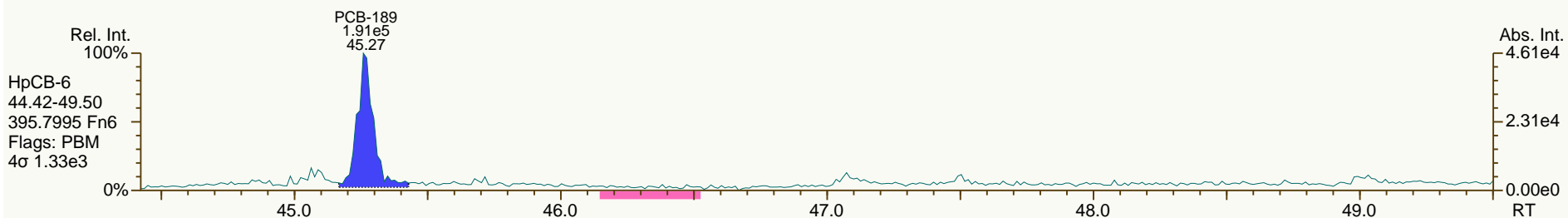
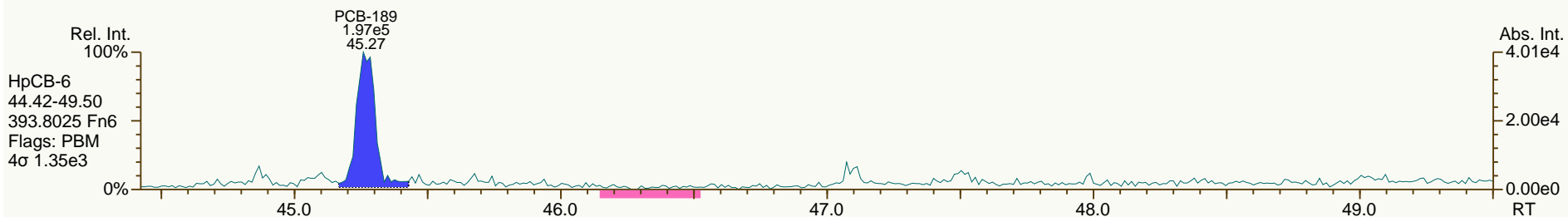
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

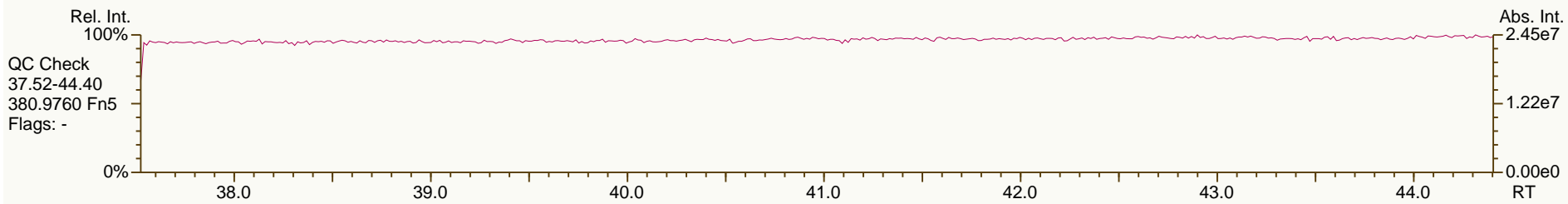
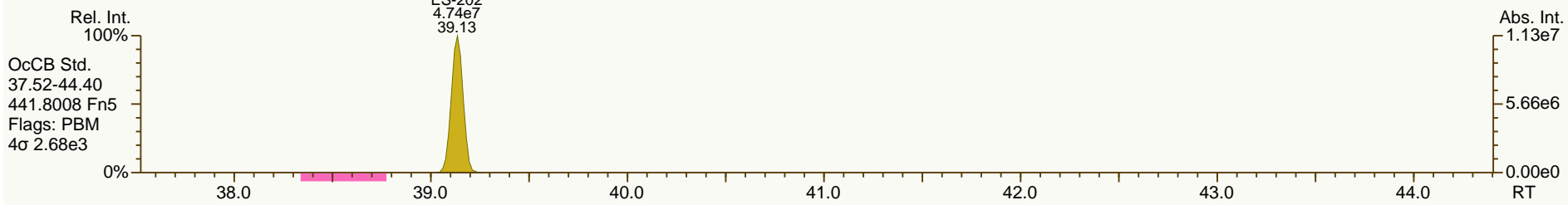
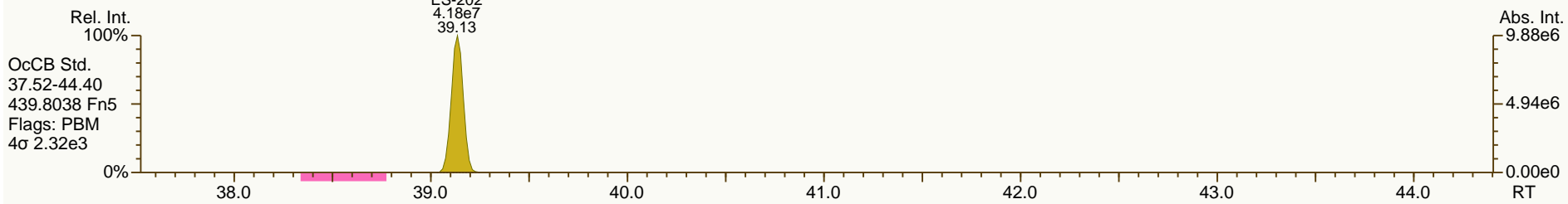
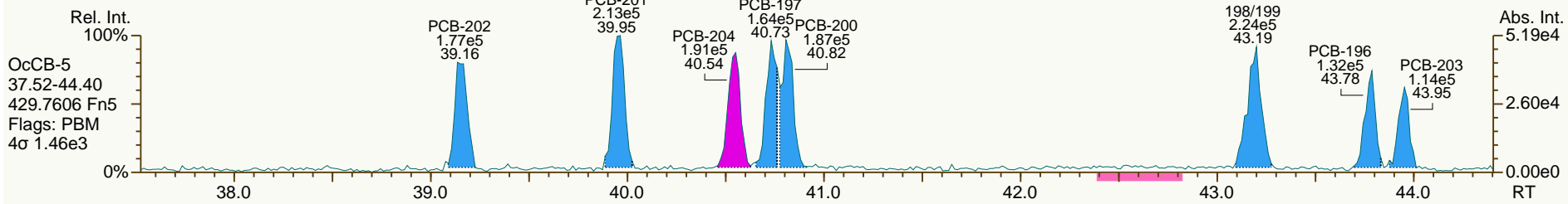
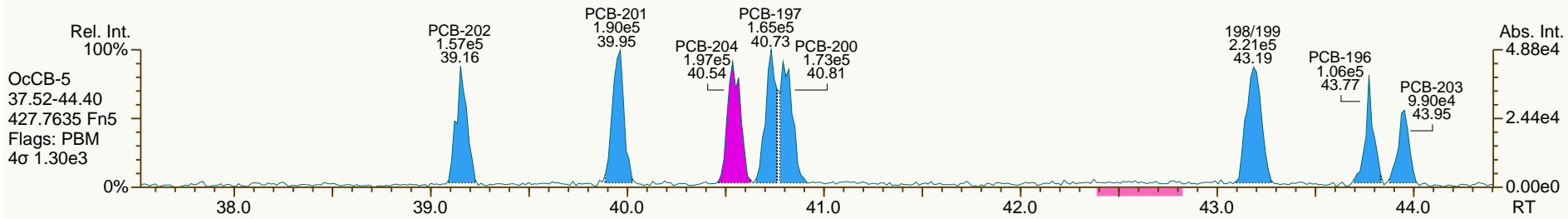
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

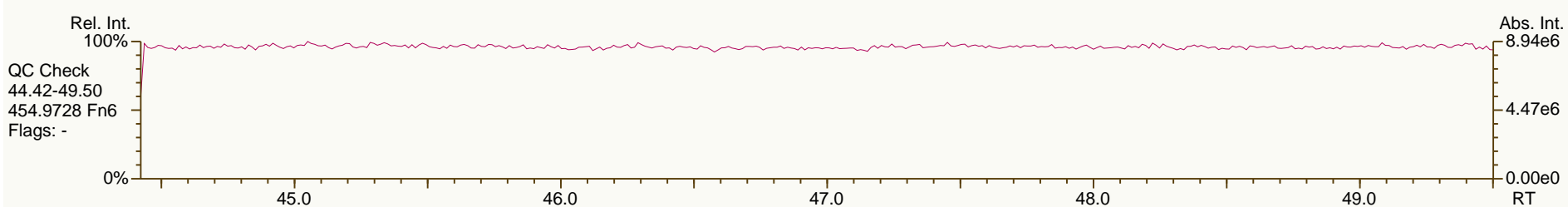
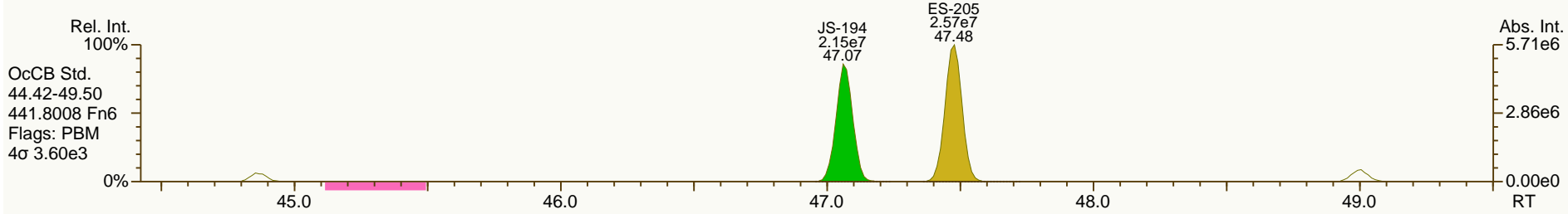
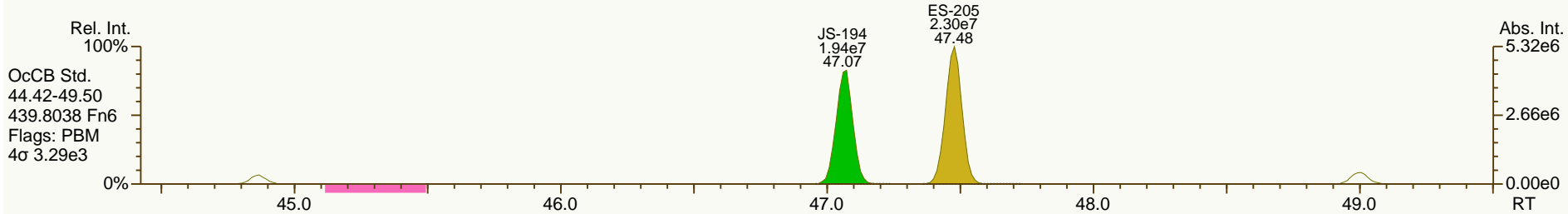
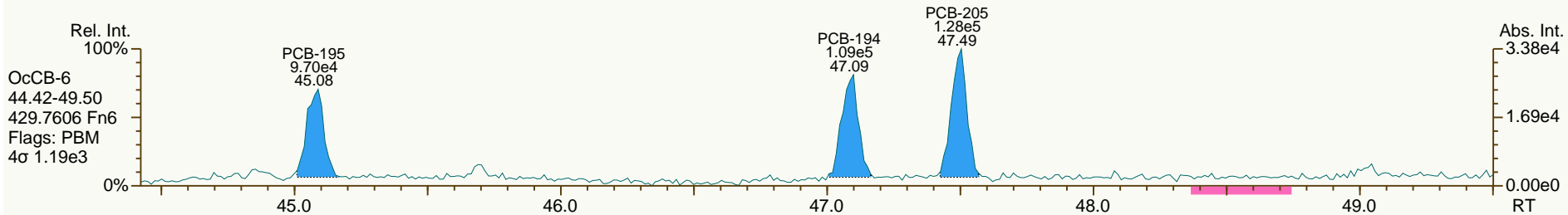
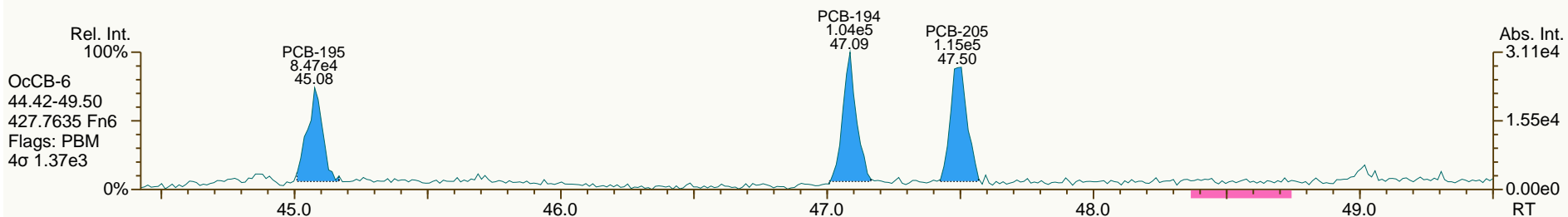
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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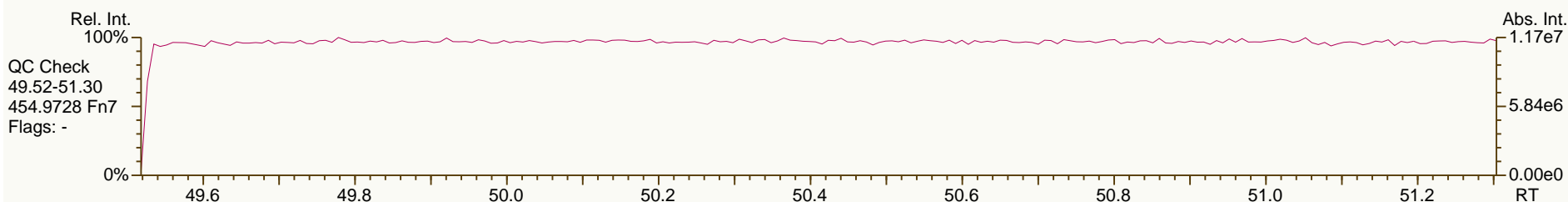
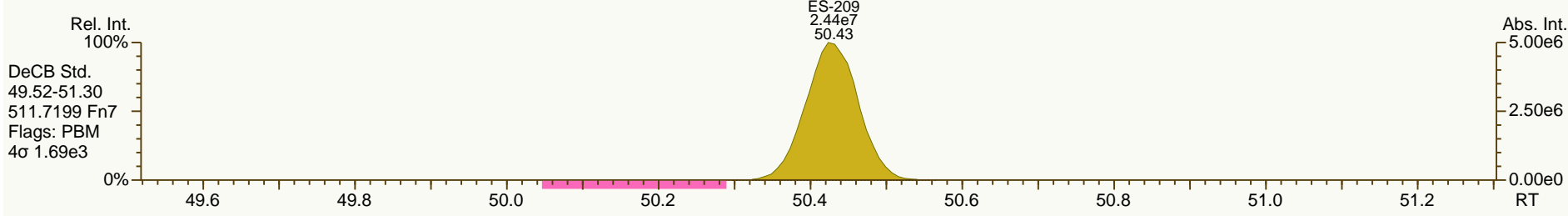
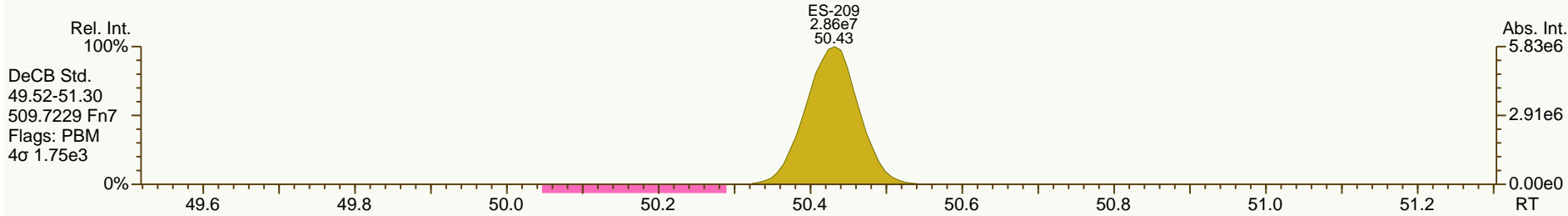
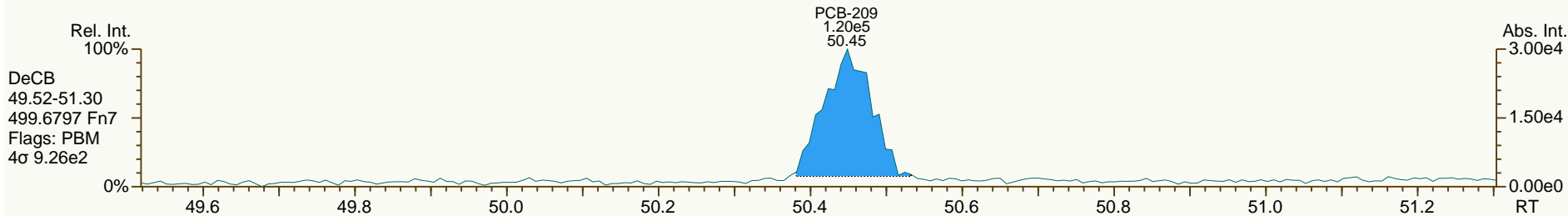
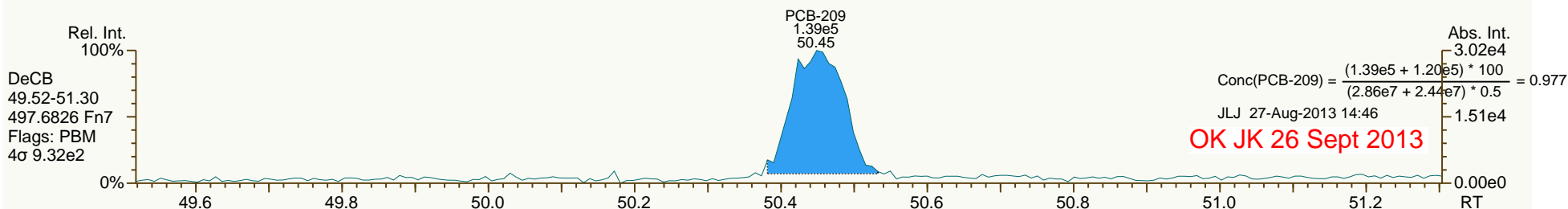
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SGS-AP ID: CS0_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-6
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 5

Acq: 26-Aug-2013 15:50:52
 User: JLJ Datafile: 130826V04



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:42		
Lab ID:	CS1_130826_PCB_VA						
Acquired:	26-AUG-2013 16:56		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	130826V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	8.07E+05	0.70 Y	1.37	1.32	-3.2%	
PCB-81 344'5'-TeCB	31.64	8.58E+05	0.78 Y	1.20	1.24	2.8%	
PCB-105 233'44'-PeCB	35.13	5.03E+05	0.65 Y	0.97	0.91	-6.6%	
PCB-114 2344'5'-PeCB	34.59	5.65E+05	0.63 Y	1.06	0.98	-7.2%	
PCB-118 23'44'5'-PeCB	34.12	5.48E+05	0.67 Y	1.00	0.97	-3.5%	
PCB-123 23'44'5'-PeCB	33.83	5.76E+05	0.66 Y	1.08	1.03	-4.0%	
PCB-126 33'44'5'-PeCB	37.76	6.20E+05	0.66 Y	1.08	1.07	-1.6%	
PCB-156/157 ...-HxCB	40.35	1.05E+06	1.26 Y	1.07	1.05	-1.7%	
PCB-167 23'44'55'-HxCB	39.36	5.74E+05	1.34 Y	1.11	1.07	-3.9%	
PCB-169 33'44'55'-HxCB	43.11	4.77E+05	1.27 Y	1.15	1.10	-4.1%	
PCB-189 233'44'55'-HpCB	45.29	6.50E+05	1.02 Y	1.10	1.05	-4.3%	
PCB-209 DeCB	50.47	4.92E+05	1.23 Y	1.04	1.03	-0.8%	
ES PCB-1	11.34	1.34E+08	3.31 Y	0.95	0.96	1.2%	
ES PCB-3	13.56	1.19E+08	3.41 Y	0.85	0.85	0.1%	
ES PCB-4	13.81	9.44E+07	1.56 Y	0.67	0.68	1.4%	
ES PCB-15	19.43	1.29E+08	1.62 Y	0.94	0.93	-1.5%	
ES PCB-19	16.83	7.69E+07	1.04 Y	0.54	0.55	1.3%	
ES PCB-37	25.74	7.83E+07	1.10 Y	1.08	1.03	-4.7%	
ES PCB-54	19.71	1.01E+08	0.77 Y	1.27	1.32	3.5%	
ES PCB-77	32.10	6.09E+07	0.79 Y	0.84	0.80	-5.1%	
ES PCB-81	31.62	6.94E+07	0.79 Y	0.98	0.91	-7.4%	
ES PCB-104	24.69	8.95E+07	1.52 Y	1.69	1.74	3.1%	
ES PCB-105	35.10	5.54E+07	1.50 Y	1.08	1.08	0.0%	
ES PCB-114	34.56	5.74E+07	1.55 Y	1.11	1.11	0.7%	
ES PCB-118	34.10	5.66E+07	1.51 Y	1.13	1.10	-2.5%	
ES PCB-123	33.82	5.56E+07	1.51 Y	1.10	1.08	-1.8%	
ES PCB-126	37.74	5.81E+07	1.57 Y	1.17	1.13	-3.7%	
ES PCB-153	35.71	5.44E+07	1.21 Y	1.19	1.18	-0.7%	
ES PCB-155	29.66	8.41E+07	1.23 Y	1.80	1.83	1.5%	
ES PCB-156/157	40.33	1.00E+08	1.24 Y	1.13	1.09	-3.7%	
ES PCB-167	39.34	5.36E+07	1.23 Y	1.20	1.16	-3.1%	
ES PCB-169	43.09	4.33E+07	1.26 Y	1.00	0.94	-5.6%	
ES PCB-170	42.59	4.40E+07	1.07 Y	1.24	1.24	0.0%	
ES PCB-180	41.52	5.22E+07	1.03 Y	1.51	1.47	-2.4%	
ES PCB-188	34.57	9.72E+07	0.97 Y	2.06	2.11	2.6%	
ES PCB-189	45.27	6.18E+07	1.05 Y	1.78	1.74	-2.2%	
ES PCB-202	39.15	7.77E+07	0.90 Y	1.66	1.69	1.9%	
ES PCB-205	47.49	4.31E+07	0.90 Y	1.22	1.22	0.2%	
ES PCB-206	49.01	4.45E+07	0.78 Y	1.23	1.26	1.9%	
ES PCB-208	44.87	5.84E+07	0.78 Y	1.60	1.65	2.9%	
ES PCB-209	50.45	4.78E+07	1.18 Y	1.31	1.35	3.1%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:42		
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.20	1.02E+08	1.10 Y	1.25	1.30	3.6%	
SS PCB-111	32.13	6.62E+07	1.45 Y	1.15	1.19	3.2%	
SS PCB-178	37.16	5.15E+07	1.00 Y	0.54	0.53	-1.5%	
CS PCB-28	22.20	1.02E+08	1.10 Y	1.34	1.33	-0.9%	
CS PCB-111	32.13	6.62E+07	1.45 Y	1.27	1.28	1.5%	
CS PCB-178	37.16	5.15E+07	1.00 Y	1.11	1.12	1.1%	
JS PCB-9	15.75	1.40E+08	1.61 Y		-	-	
JS PCB-52	23.82	7.64E+07	0.79 Y		-	-	
JS PCB-101	29.83	5.15E+07	1.50 Y		-	-	
JS PCB-138	36.77	4.60E+07	1.27 Y		-	-	
JS PCB-194	47.08	3.54E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.35	1.59E+06	2.97 Y	1.19	1.19	-0.3%	
PCB-3 4-MoCB	13.57	1.45E+06	3.09 Y	1.24	1.21	-2.3%	
PCB-4 22'-DiCB	13.82	7.93E+05	1.44 Y	0.88	0.84	-4.9%	
PCB-15 44'-DiCB	19.45	1.30E+06	1.46 Y	1.01	1.01	-0.8%	
PCB-19 22'6'-TrCB	16.85	6.94E+05	1.05 Y	0.92	0.90	-2.2%	
PCB-37 344'-TrCB	25.76	1.05E+06	1.06 Y	1.35	1.34	-0.7%	
PCB-54 22'66'-TeCB	19.73	1.07E+06	0.82 Y	1.08	1.07	-1.1%	
PCB-104 22'466'-PeCB	24.71	9.54E+05	0.59 Y	1.12	1.07	-4.8%	
PCB-155 22'44'66'-HxCB	29.69	9.50E+05	1.16 Y	1.21	1.13	-6.5%	
PCB-188 22'34'566'-HpCB	34.59	8.22E+05	1.00 Y	0.91	0.85	-6.6%	
PCB-202 22'33'55'66'-OcCB	39.17	6.63E+05	0.88 Y	0.86	0.85	-1.0%	
PCB-205 233'44'55'6'-OcCB	47.51	4.81E+05	0.97 Y	1.09	1.12	2.3%	
PCB-208 22'33'455'66'-NoCB	44.90	6.02E+05	0.72 Y	1.00	1.03	3.4%	
PCB-206 22'33'44'55'6'-NoCB	49.03	3.84E+05	0.79 Y	0.85	0.86	1.2%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:42			
Lab ID:	CS1_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.35	1.59E+06	2.97 Y	1.19	-	-	
PCB-2 3-MoCB	13.39	1.48E+06	3.10 Y	1.25	1.24	-1.4%	
PCB-3 4-MoCB	13.57	1.45E+06	3.09 Y	1.24	-	-	
PCB-4 22'-DiCB	13.82	7.93E+05	1.44 Y	0.88	-	-	
PCB-10 26-DiCB	14.00	1.32E+06	1.50 Y	1.40	1.40	-0.3%	
PCB-9 25-DiCB	15.77	1.18E+06	1.71 Y	0.98	0.91	-7.4%	
PCB-7 24-DiCB	15.93	1.41E+06	1.59 Y	1.12	1.09	-2.4%	
PCB-6 23'-DiCB	16.15	1.20E+06	1.66 Y	1.04	0.93	-10.9%	
PCB-5 23-DiCB	16.45	1.29E+06	1.60 Y	1.05	1.00	-4.4%	
PCB-8 24'-DiCB	16.56	1.38E+06	1.60 Y	1.10	1.07	-2.3%	
PCB-14 35-DiCB	18.11	1.64E+06	1.35 Y	1.24	1.27	2.6%	
PCB-11 33'-DiCB	18.88	1.36E+06	1.52 Y	1.01	1.05	3.9%	
PCB-13/12 34'/34-DiCB	19.17	2.52E+06	1.45 Y	0.99	0.98	-1.0%	
PCB-15 44'-DiCB	19.45	1.30E+06	1.46 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.85	6.94E+05	1.05 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.60	1.81E+06	1.04 Y	1.20	1.18	-2.4%	
PCB-17 22'4-TrCB	18.99	7.99E+05	1.00 Y	1.04	1.04	0.4%	
PCB-27 23'6-TrCB	19.19	1.08E+06	0.96 Y	1.42	1.40	-1.3%	
PCB-24 236-TrCB	19.32	1.01E+06	1.00 Y	1.35	1.31	-2.7%	
PCB-16 22'3-TrCB	19.41	5.71E+05	1.02 Y	0.77	0.74	-3.5%	
PCB-32 24'6-TrCB	19.89	1.17E+06	1.05 Y	1.52	1.52	0.2%	
PCB-34 23'5'-TrCB	21.04	1.34E+06	1.12 Y	1.64	1.71	4.5%	
PCB-23 235-TrCB	21.19	1.33E+06	1.11 Y	1.65	1.69	2.5%	
PCB-26/29 23'5/245-TrCB	21.47	2.71E+06	1.06 Y	1.65	1.73	4.8%	
PCB-25 23'4-TrCB	21.67	1.34E+06	1.08 Y	1.64	1.71	4.3%	
PCB-31 24'5-TrCB	21.94	1.38E+06	1.07 Y	1.71	1.77	3.4%	
PCB-28/20 244'/233'-TrCB	22.23	2.61E+06	1.05 Y	1.60	1.67	4.3%	
PCB-21/33 234/23'4'-TrCB	22.40	2.59E+06	1.05 Y	1.64	1.65	0.5%	
PCB-22 234'-TrCB	22.78	1.23E+06	0.99 Y	1.49	1.57	5.1%	
PCB-36 33'5-TrCB	24.17	1.24E+06	1.04 Y	1.57	1.58	0.5%	
PCB-39 34'5-TrCB	24.49	1.26E+06	1.07 Y	1.61	1.61	0.0%	
PCB-38 345-TrCB	25.02	1.16E+06	1.02 Y	1.48	1.48	0.5%	
PCB-35 33'4-TrCB	25.40	1.03E+06	1.07 Y	1.30	1.32	1.1%	
PCB-37 344'-TrCB	25.76	1.05E+06	1.06 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.73	1.07E+06	0.82 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.72	1.39E+06	0.77 Y	0.98	1.00	1.9%	
PCB-45 22'36'-TeCB	22.29	6.03E+05	0.82 Y	0.85	0.87	1.7%	
PCB-51 22'46'-TeCB	22.37	7.73E+05	0.80 Y	0.98	1.11	13.7%	
PCB-46 22'36'-TeCB	22.58	5.67E+05	0.75 Y	0.79	0.82	3.2%	
PCB-52 22'55'-TeCB	23.84	6.82E+05	0.73 Y	0.94	0.98	4.6%	
PCB-73 23'5'6'-TeCB	23.97	8.84E+05	0.82 Y	1.23	1.27	3.7%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:42			
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 16:56					
Datafile:	130826V05					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	5.72E+05	0.77 Y	0.78	0.82	5.3%
PCB-69/49 23'46/22'45'-TeCB	24.26	1.60E+06	0.80 Y	1.12	1.16	3.4%
PCB-48 22'45'-TeCB	24.54	6.92E+05	0.67 Y	0.95	1.00	5.2%
PCB-44/47/65 ...-TeCB	24.76	2.17E+06	0.78 Y	1.00	1.04	4.4%
PCB-59/62/75 ...-TeCB	25.03	2.68E+06	0.79 Y	1.25	1.29	3.0%
PCB-42 22'34'-TeCB	25.20	5.96E+05	0.79 Y	0.83	0.86	3.3%
PCB-41 22'34'-TeCB	25.52	5.47E+05	0.76 Y	0.75	0.79	4.4%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	1.36E+06	0.80 Y	0.94	0.98	4.1%
PCB-64 23'4'-TeCB	25.82	9.45E+05	0.75 Y	1.31	1.36	3.7%
PCB-72 23'55'-TeCB	26.55	9.70E+05	0.78 Y	1.35	1.40	3.9%
PCB-68 23'45'-TeCB	26.81	1.07E+06	0.77 Y	1.51	1.54	2.1%
PCB-57 23'5'-TeCB	27.18	9.69E+05	0.80 Y	1.34	1.40	4.0%
PCB-58 23'5'-TeCB	27.38	1.03E+06	0.79 Y	1.41	1.48	4.9%
PCB-67 23'45'-TeCB	27.54	1.01E+06	0.76 Y	1.42	1.45	2.3%
PCB-63 23'4'-TeCB	27.76	1.08E+06	0.80 Y	1.52	1.56	2.2%
PCB-61/70/74/76 ...-TeCB	28.05	3.74E+06	0.75 Y	1.36	1.35	-1.1%
PCB-66 23'44'-TeCB	28.33	9.30E+05	0.82 Y	1.28	1.34	5.2%
PCB-55 23'3'-TeCB	28.48	8.57E+05	0.75 Y	1.24	1.24	0.0%
PCB-56 23'3'-TeCB	28.92	8.75E+05	0.79 Y	1.22	1.26	3.8%
PCB-60 23'44'-TeCB	29.11	9.06E+05	0.77 Y	1.27	1.31	2.5%
PCB-80 33'55'-TeCB	29.46	1.06E+06	0.76 Y	1.45	1.53	5.2%
PCB-79 33'45'-TeCB	30.78	1.01E+06	0.81 Y	1.45	1.45	-0.1%
PCB-78 33'45'-TeCB	31.26	7.80E+05	0.77 Y	1.10	1.12	2.2%
PCB-104 22'466'-PeCB	24.71	9.54E+05	0.59 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.02	8.27E+05	0.63 Y	0.95	0.92	-3.2%
PCB-103 22'45'6'-PeCB	26.72	5.50E+05	0.70 Y	0.99	0.99	-0.3%
PCB-94 22'356'-PeCB	26.91	4.65E+05	0.71 Y	0.85	0.84	-1.5%
PCB-95 22'35'6'-PeCB	27.29	5.31E+05	0.63 Y	0.92	0.96	4.2%
PCB-100/93 22'44'6/22'356'-PeC	27.51	1.06E+06	0.62 Y	0.92	0.96	3.6%
PCB-102 22'456'-PeCB	27.62	5.08E+05	0.65 Y	1.03	0.91	-11.0%
PCB-98 22'34'6'-PeCB	27.68	4.96E+05	0.66 Y	0.81	0.89	10.7%
PCB-88 22'346'-PeCB	27.98	3.86E+05	0.60 Y	0.74	0.69	-6.6%
PCB-91 22'34'6'-PeCB	28.05	6.05E+05	0.63 Y	1.06	1.09	2.3%
PCB-84 22'33'6'-PeCB	28.24	4.57E+05	0.65 Y	0.77	0.82	6.8%
PCB-89 22'346'-PeCB	28.66	4.72E+05	0.67 Y	0.82	0.85	3.9%
PCB-121 23'45'6'-PeCB	29.02	6.67E+05	0.62 Y	1.21	1.20	-1.1%
PCB-92 22'355'-PeCB	29.33	4.66E+05	0.69 Y	0.84	0.84	0.3%
PCB-113/90/101 ...-PeCB	29.82	1.64E+06	0.65 Y	1.00	0.99	-1.0%
PCB-83 22'33'5'-PeCB	30.26	3.98E+05	0.57 Y	0.71	0.72	1.5%

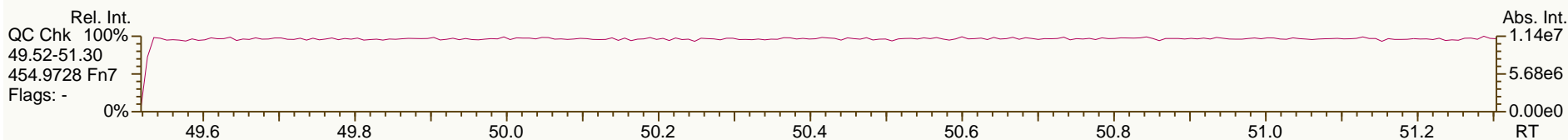
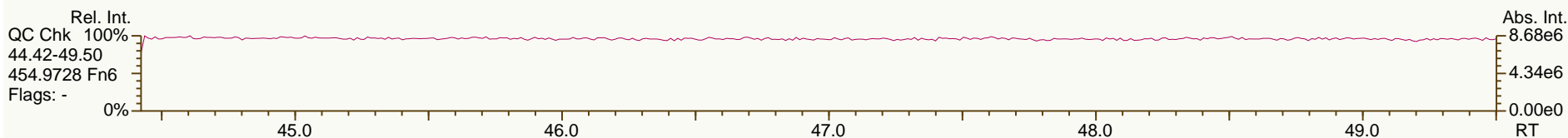
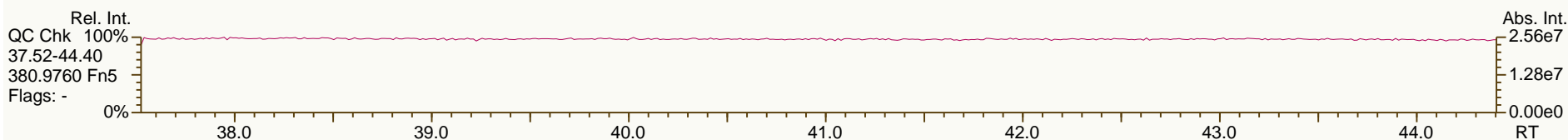
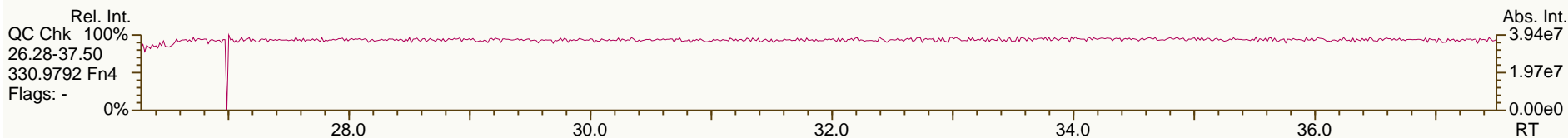
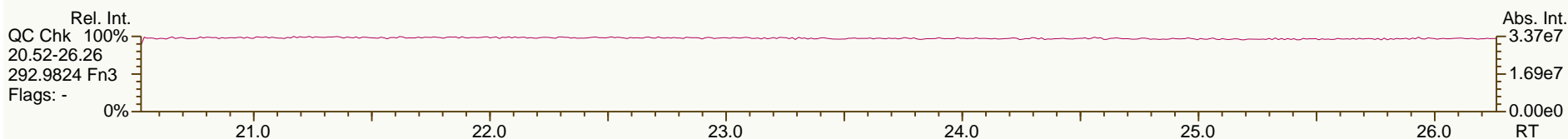
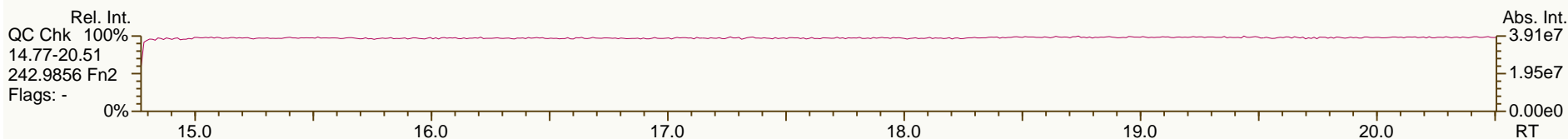
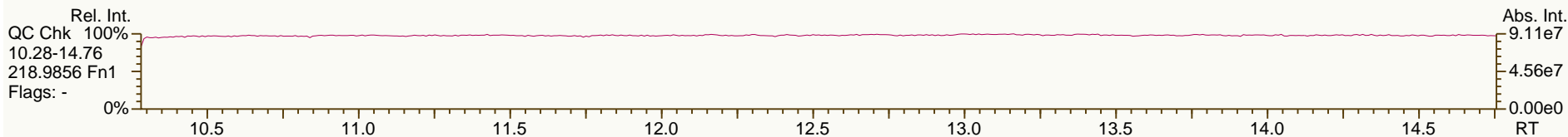
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Lab ID:	CS1_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 16:56						
Datafile:	130826V05						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.36	4.82E+05	0.67 Y	0.90	0.87		-3.8%
PCB-112 233'56-PeCB	30.45	6.15E+05	0.65 Y	1.13	1.10		-2.0%
PCB-108/119/86/97/125...-PeCB	30.80	3.21E+06	0.63 Y	0.99	0.96		-3.1%
PCB-117 234'56-PeCB	31.34	6.19E+05	0.65 Y	1.10	1.11		1.1%
PCB-116/85 23456/22'344'-PeCB	31.43	1.06E+06	0.61 Y	0.95	0.95		-0.3%
PCB-110 233'46-PeCB	31.54	5.64E+05	0.64 Y	1.05	1.01		-3.5%
PCB-115 2344'6-PeCB	31.63	6.32E+05	0.65 Y	1.13	1.14		0.5%
PCB-82 22'33'4-PeCB	31.82	3.70E+05	0.66 Y	0.69	0.67		-3.2%
PCB-111 233'55'-PeCB	32.16	6.45E+05	0.64 Y	1.17	1.16		-0.7%
PCB-120 23'455'-PeCB	32.56	5.94E+05	0.59 Y	1.11	1.07		-3.4%
PCB-107/124 ...-PeCB	33.52	1.02E+06	0.63 Y	0.99	0.92		-7.2%
PCB-109 233'46-PeCB	33.73	5.34E+05	0.63 Y	1.07	0.96		-10.1%
PCB-106 233'45-PeCB	33.94	5.29E+05	0.55 Y	0.98	0.95		-3.2%
PCB-122 233'4'5'-PeCB	34.41	4.52E+05	0.62 Y	0.87	0.79		-9.0%
PCB-127 33'455'-PeCB	36.38	4.67E+05	0.59 Y	0.91	0.84		-7.7%
PCB-155 22'44'66'-HxCB	29.69	9.50E+05	1.16 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.83	8.76E+05	1.24 Y	1.12	1.04		-7.1%
PCB-150 22'34'66'-HxCB	29.98	9.01E+05	1.22 Y	1.11	1.07		-3.9%
PCB-136 22'33'66'-HxCB	30.27	7.84E+05	1.26 Y	1.04	0.93		-10.2%
PCB-145 22'3466'-HxCB	30.55	8.42E+05	1.29 Y	1.05	1.00		-4.6%
PCB-148 22'34'56'-HxCB	31.85	5.87E+05	1.36 Y	1.15	1.08		-6.5%
PCB-151/135 ...-HxCB	32.36	1.18E+06	1.24 Y	1.11	1.08		-2.5%
PCB-154 22'44'56'-HxCB	32.58	6.60E+05	1.25 Y	1.29	1.21		-5.7%
PCB-144 22'345'6-HxCB	32.84	6.10E+05	1.26 Y	1.12	1.12		-0.3%
PCB-147/149 ...-HxCB	33.14	1.25E+06	1.27 Y	1.15	1.15		0.1%
PCB-134 22'33'56-HxCB	33.31	4.63E+05	1.32 Y	0.88	0.85		-3.4%
PCB-143 22'3456'-HxCB	33.39	5.49E+05	1.25 Y	1.10	1.01		-7.9%
PCB-139/140 ...-HxCB	33.67	1.19E+06	1.26 Y	1.15	1.09		-5.2%
PCB-131 22'33'46-HxCB	33.83	5.10E+05	1.15 Y	0.96	0.94		-2.2%
PCB-142 22'3456-HxCB	33.98	4.75E+05	1.20 Y	0.94	0.87		-7.5%
PCB-132 22'33'46'-HxCB	34.21	5.22E+05	1.22 Y	0.98	0.96		-1.8%
PCB-133 22'33'55'-HxCB	34.64	5.09E+05	1.18 Y	1.03	0.94		-8.7%
PCB-165 233'55'6-HxCB	34.98	6.14E+05	1.35 Y	1.25	1.13		-9.8%
PCB-146 22'34'55'-HxCB	35.20	5.61E+05	1.25 Y	1.11	1.03		-7.2%
PCB-161 233'45'6-HxCB	35.32	7.26E+05	1.26 Y	1.34	1.33		-0.6%
PCB-153/168 ...-HxCB	35.75	1.36E+06	1.25 Y	1.33	1.25		-6.3%
PCB-141 22'3455'-HxCB	35.88	4.68E+05	1.12 Y	0.98	0.86		-12.1%
PCB-130 22'33'45'-HxCB	36.23	4.06E+05	1.17 Y	0.85	0.75		-11.8%
PCB-137 22'344'5-HxCB	36.43	4.53E+05	1.29 Y	1.02	0.83		-18.8%
PCB-164 233'4'5'6-HxCB	36.51	7.68E+05	1.26 Y	1.35	1.41		5.0%
PCB-163/138/129 ...-HxCB	36.81	1.62E+06	1.28 Y	1.08	0.99		-8.5%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:42				
Lab ID:	CS1_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 16:56					
Datafile:	130826V05					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.95	5.78E+05	1.26 Y	1.22	1.06	-12.8%
PCB-158 233'44'6-HxCB	37.14	6.51E+05	1.40 Y	1.36	1.20	-11.9%
PCB-128/166 ...-HxCB	37.87	9.94E+05	1.21 Y	0.96	0.93	-3.1%
PCB-159 233'455'-HxCB	38.70	5.49E+05	1.42 Y	1.08	1.02	-5.3%
PCB-162 233'4'55'-HxCB	38.95	5.29E+05	1.27 Y	1.05	0.99	-6.2%
PCB-188 22'34'566'-HpCB	34.59	8.22E+05	1.00 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	7.22E+05	1.01 Y	0.81	0.74	-8.6%
PCB-184 22'344'66'-HpCB	35.34	6.96E+05	0.97 Y	0.78	0.72	-8.6%
PCB-176 22'33'466'-HpCB	35.63	7.62E+05	1.08 Y	0.86	0.78	-9.0%
PCB-186 22'34566'-HpCB	36.02	6.90E+05	1.07 Y	0.81	0.71	-12.5%
PCB-178 22'33'55'6-HpCB	37.18	4.66E+05	0.98 Y	0.57	0.48	-15.3%
PCB-175 22'33'45'6-HpCB	37.73	5.06E+05	1.16 Y	0.99	0.97	-1.8%
PCB-187 22'34'55'6-HpCB	37.96	5.45E+05	0.92 Y	1.05	1.05	-0.7%
PCB-182 22'344'56'-HpCB	38.14	5.67E+05	1.09 Y	1.10	1.09	-1.3%
PCB-183 22'344'5'6-HpCB	38.49	6.45E+05	1.10 Y	1.14	1.24	8.8%
PCB-185 22'3455'6-HpCB	38.57	4.92E+05	1.09 Y	0.99	0.94	-5.1%
PCB-174 22'33'456'-HpCB	38.67	4.79E+05	1.06 Y	0.90	0.92	1.8%
PCB-177 22'33'45'6'-HpCB	39.05	4.43E+05	1.02 Y	0.85	0.85	0.4%
PCB-181 22'344'56-HpCB	39.41	4.80E+05	1.01 Y	0.98	0.92	-5.8%
PCB-171/173 ...-HpCB	39.59	9.26E+05	1.06 Y	0.87	0.89	1.9%
PCB-172 22'33'455'-HpCB	40.97	4.46E+05	1.05 Y	0.87	0.86	-1.6%
PCB-192 233'455'6-HpCB	41.22	6.18E+05	0.99 Y	1.12	1.18	6.0%
PCB-180/193 ...-HpCB	41.50	1.13E+06	0.97 Y	1.08	1.08	0.6%
PCB-191 233'44'5'6-HpCB	41.84	6.12E+05	1.05 Y	1.15	1.17	2.3%
PCB-170 22'33'44'5-HpCB	42.61	4.08E+05	1.06 Y	0.99	0.93	-6.3%
PCB-190 233'44'56-HpCB	43.07	5.55E+05	1.06 Y	1.33	1.26	-5.0%
PCB-202 22'33'55'66'-OcCB	39.17	6.63E+05	0.88 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.97	7.13E+05	0.82 Y	0.95	0.92	-3.7%
PCB-204 22'344'566'-OcCB	40.56	6.63E+05	0.88 Y	0.89	0.85	-4.7%
PCB-197 22'33'44'66'-OcCB	40.75	7.11E+05	0.89 Y	0.95	0.92	-3.6%
PCB-200 22'33'4566'-OcCB	40.83	6.36E+05	0.88 Y	0.87	0.82	-5.8%
PCB-198/199 ...-OcCB	43.20	9.16E+05	0.83 Y	0.60	0.59	-2.3%
PCB-196 22'33'44'56'-OcCB	43.79	5.01E+05	0.91 Y	0.63	0.64	2.1%
PCB-203 22'344'55'6-OcCB	43.96	5.17E+05	0.92 Y	0.64	0.67	4.2%
PCB-195 22'33'44'56-OcCB	45.09	3.57E+05	0.95 Y	0.82	0.83	1.4%
PCB-194 22'33'44'55'-OcCB	47.10	4.04E+05	0.93 Y	0.90	0.94	4.7%
PCB-205 233'44'55'6-OcCB	47.51	4.81E+05	0.97 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.90	6.02E+05	0.72 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.71	5.66E+05	0.75 Y	1.01	0.97	-3.7%
PCB-206 22'33'44'55'6-NoCB	49.03	3.84E+05	0.79 Y	0.85	-	-

SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

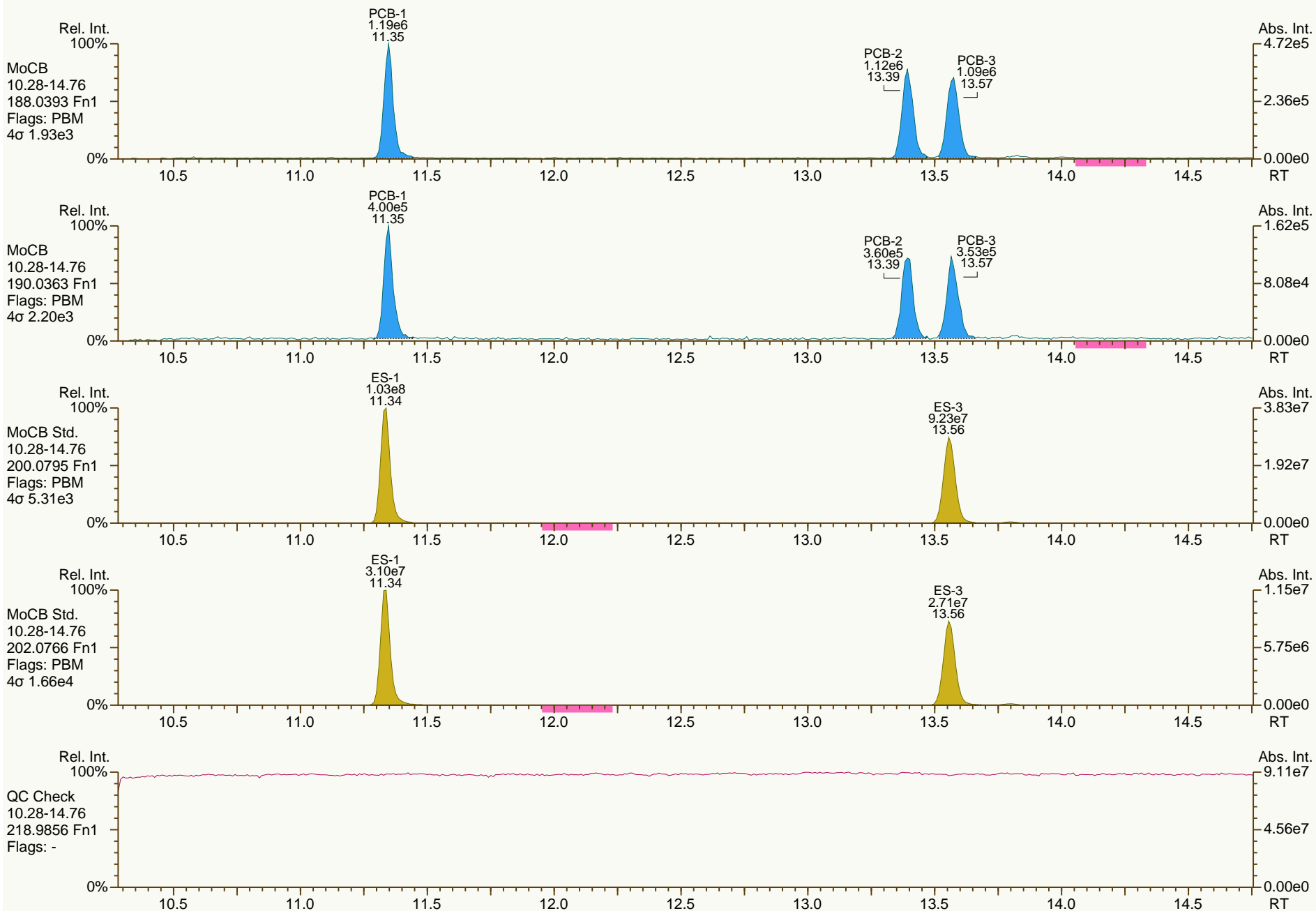
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

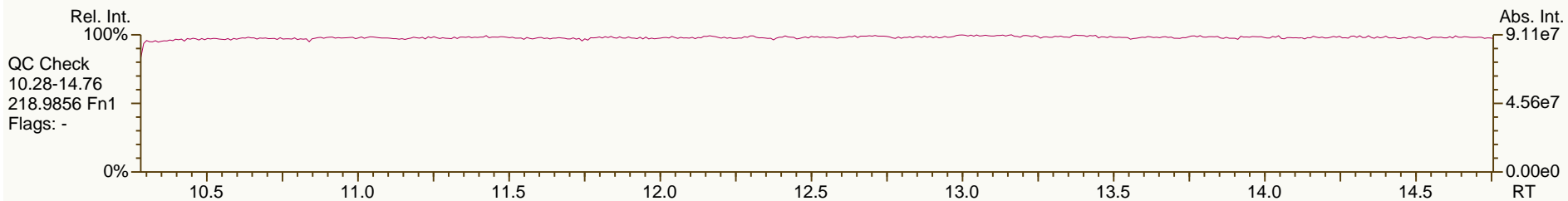
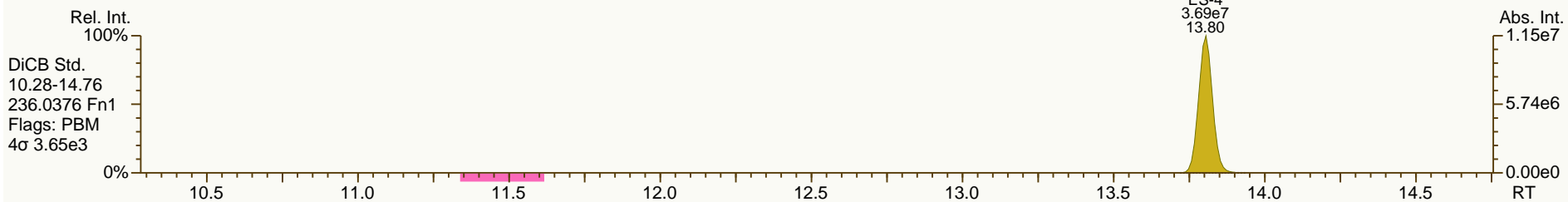
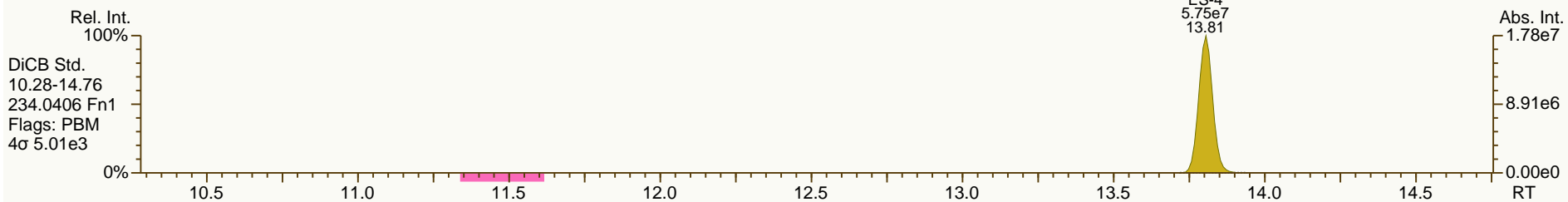
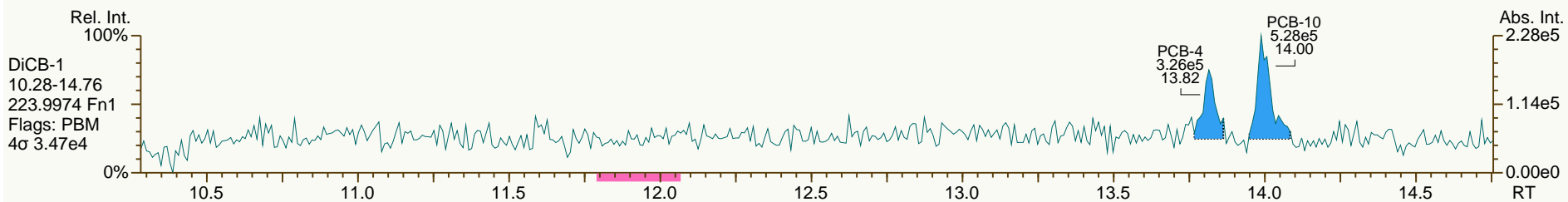
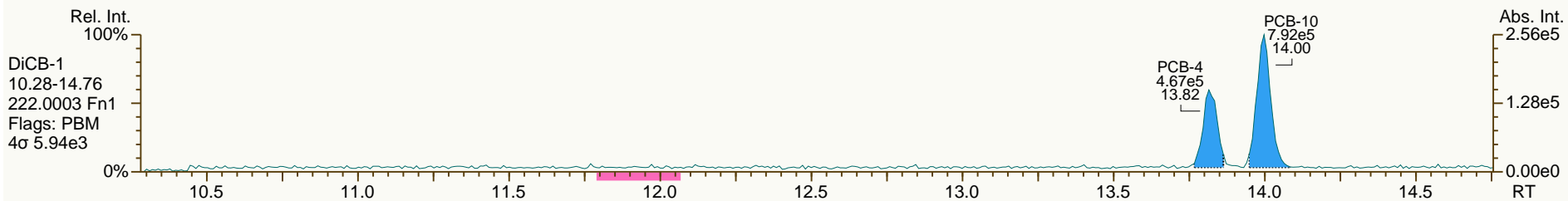
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

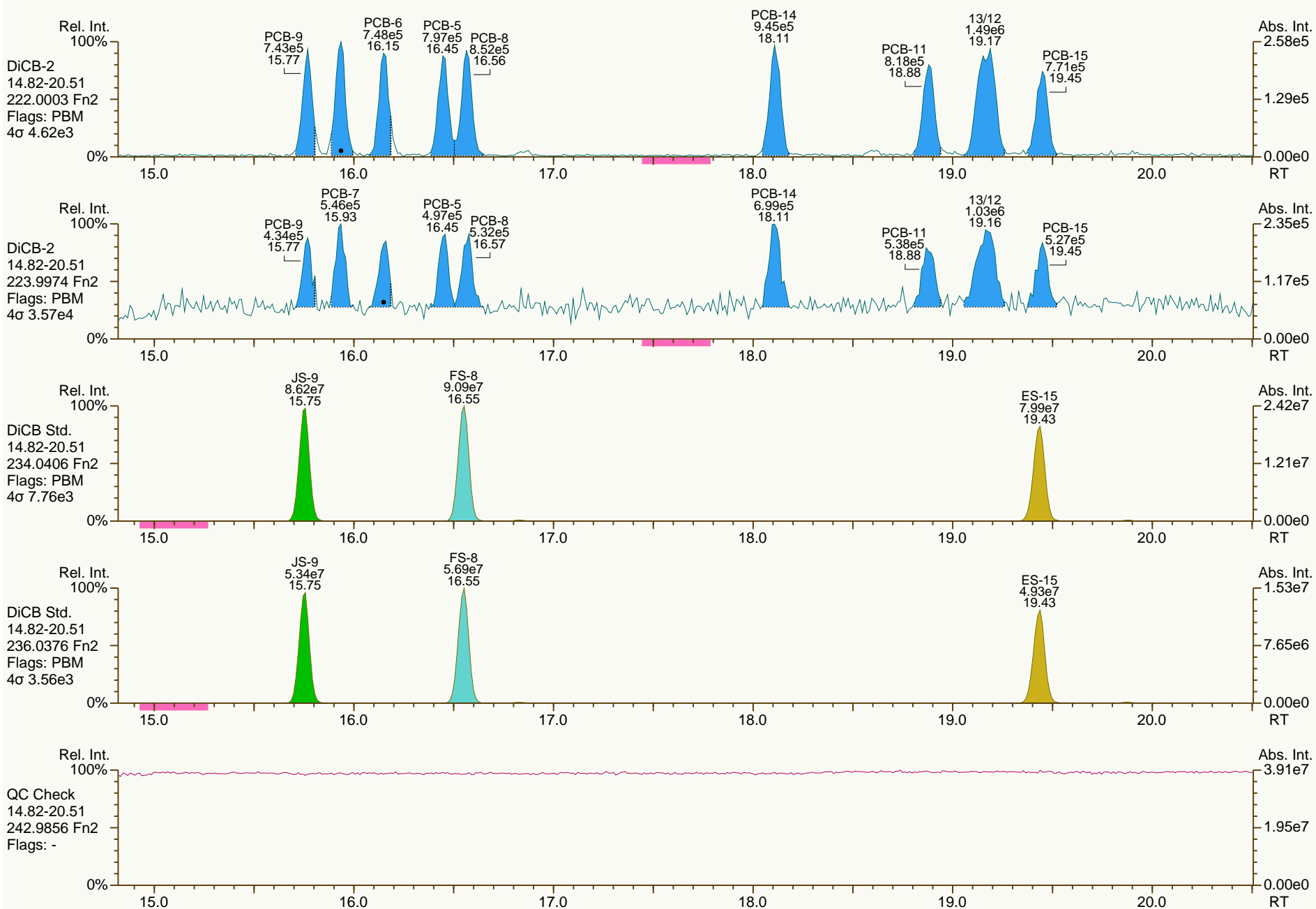
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

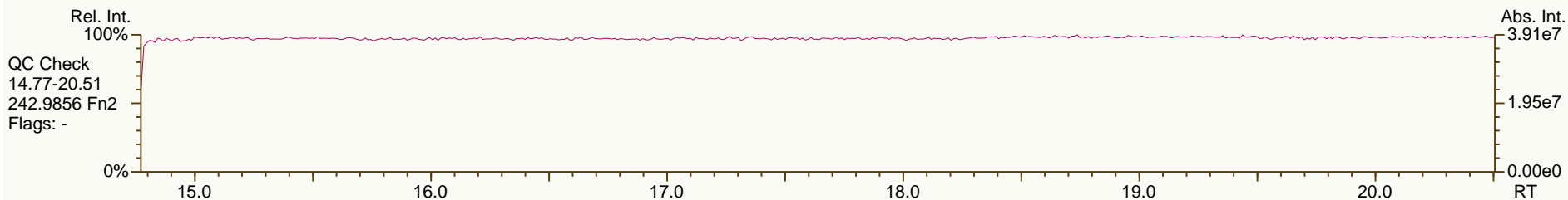
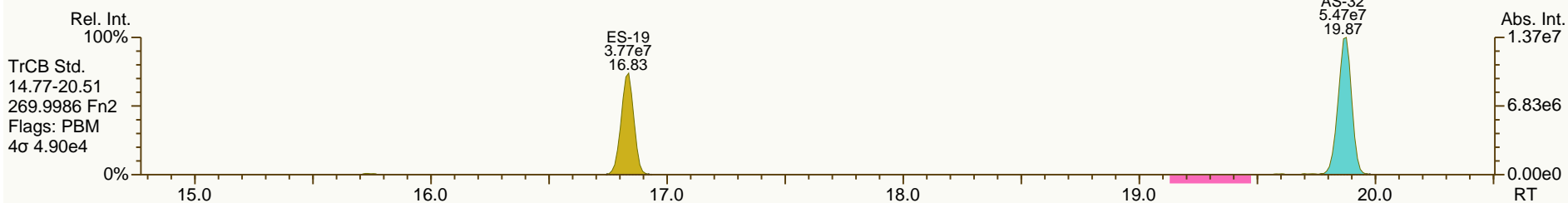
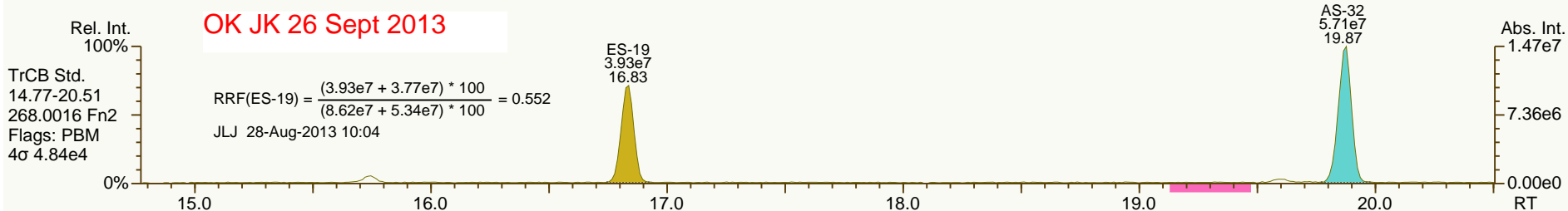
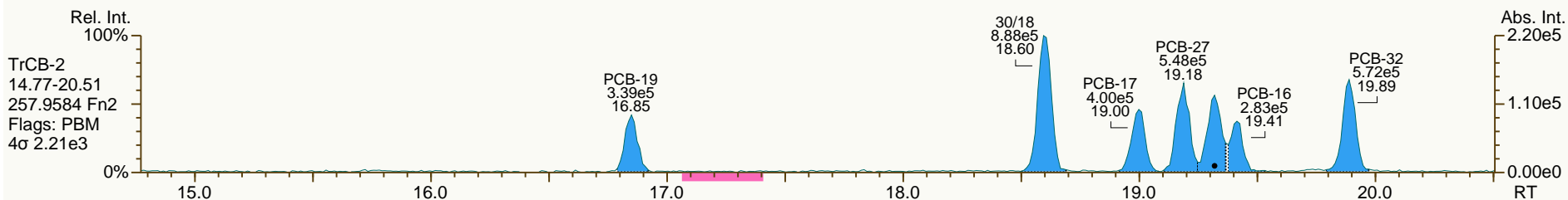
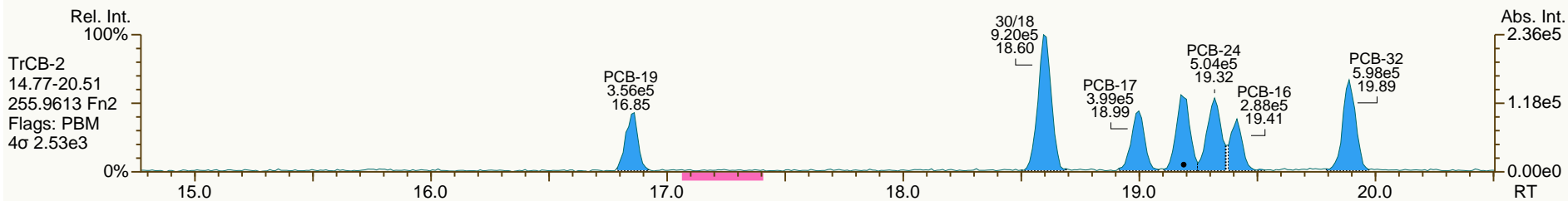
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

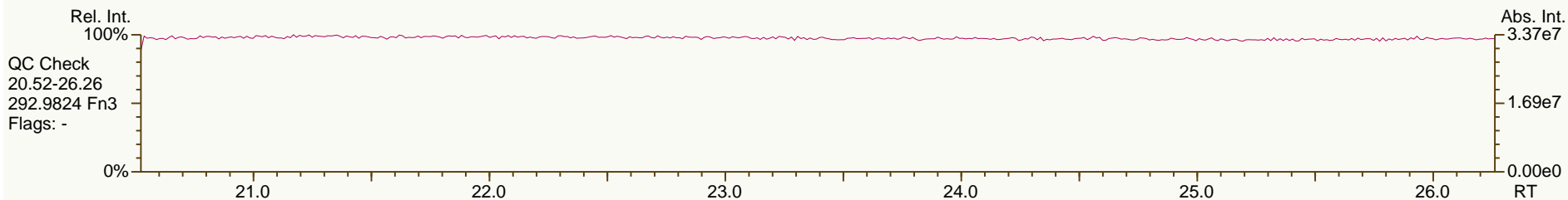
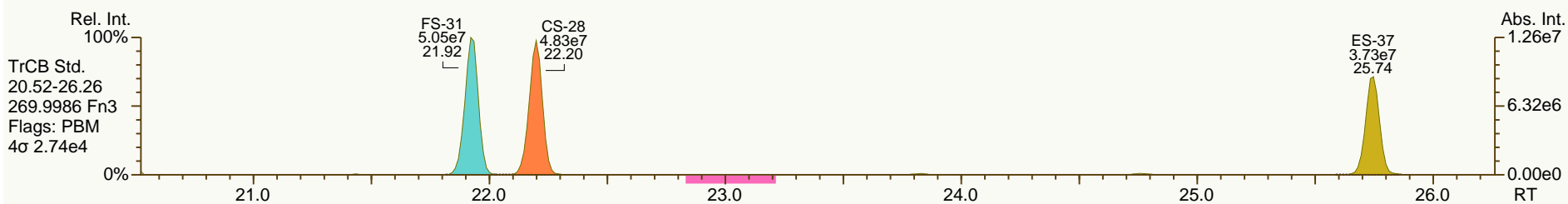
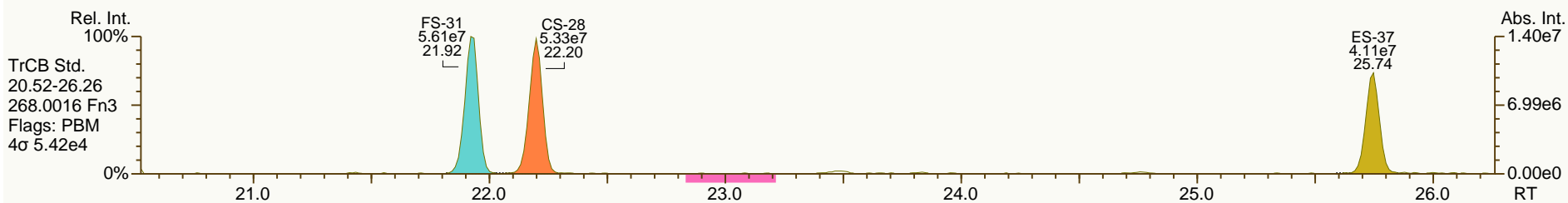
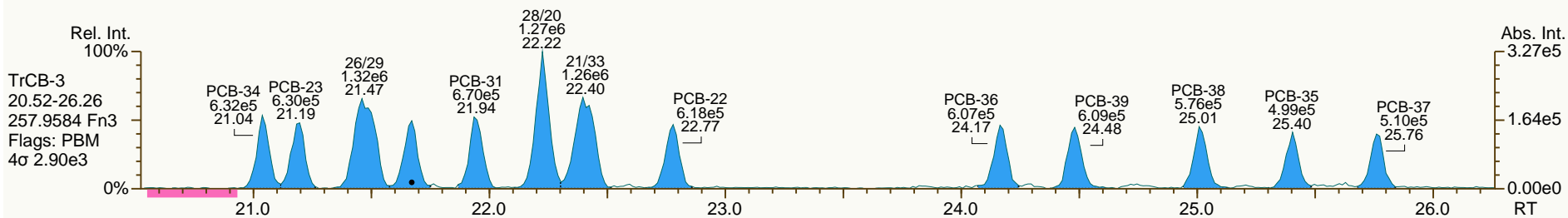
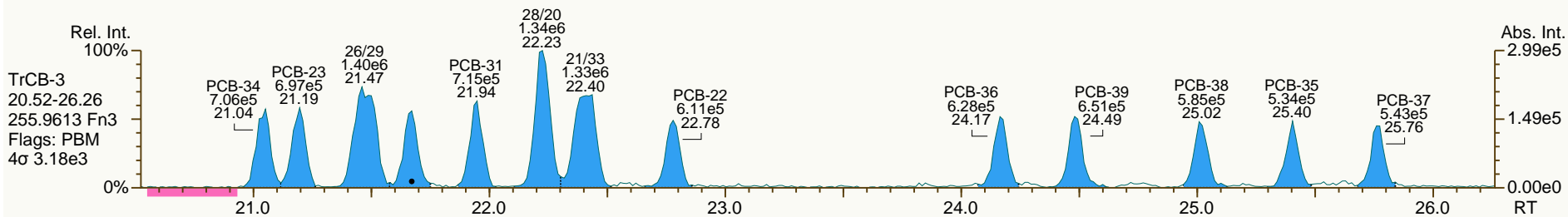
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

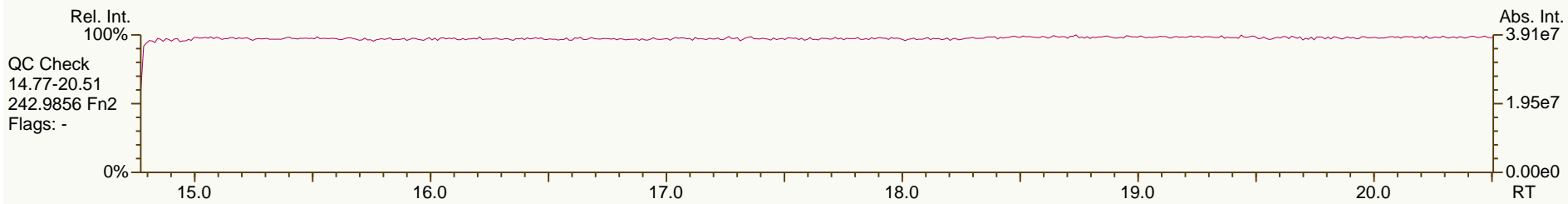
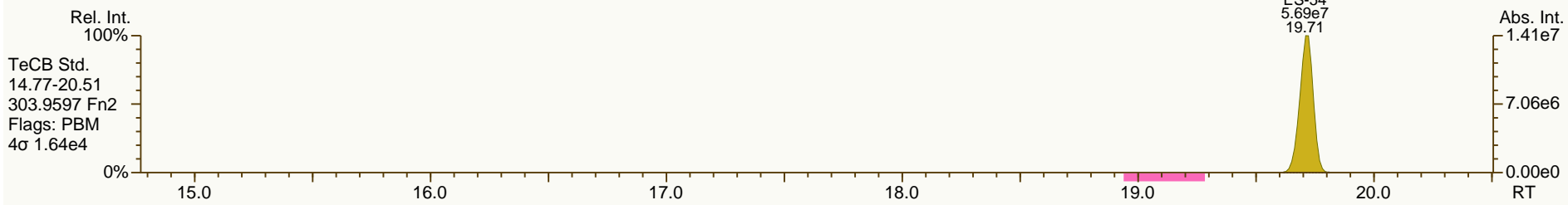
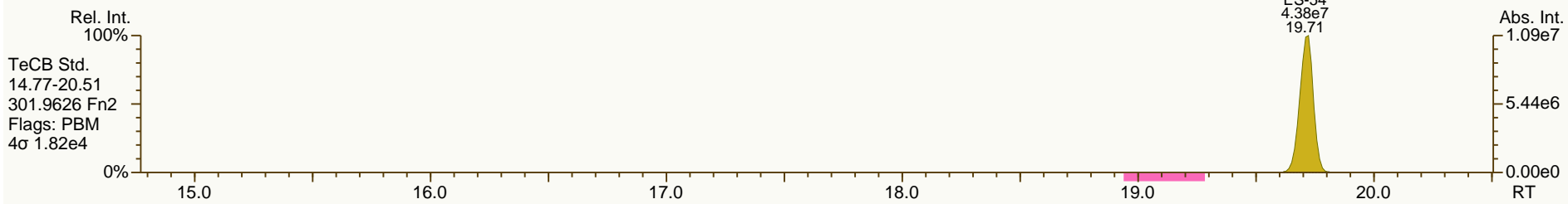
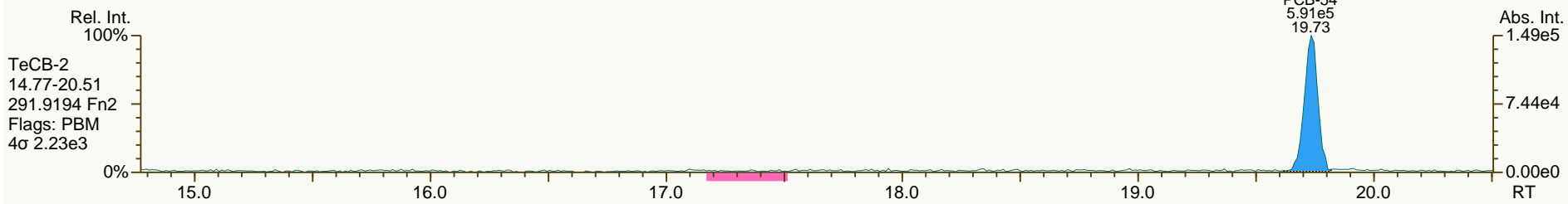
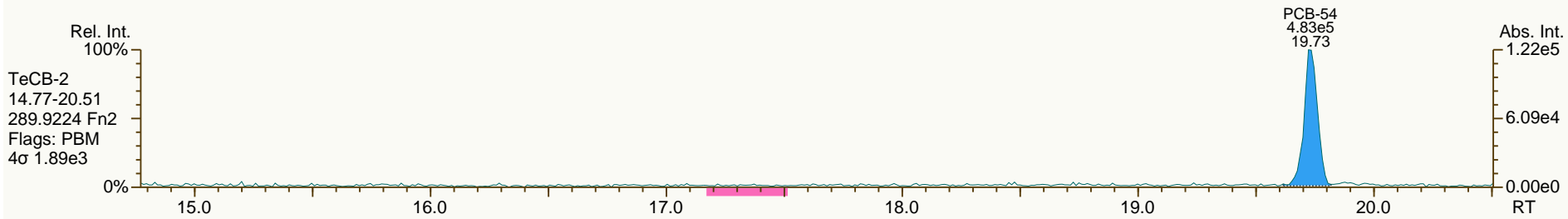
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
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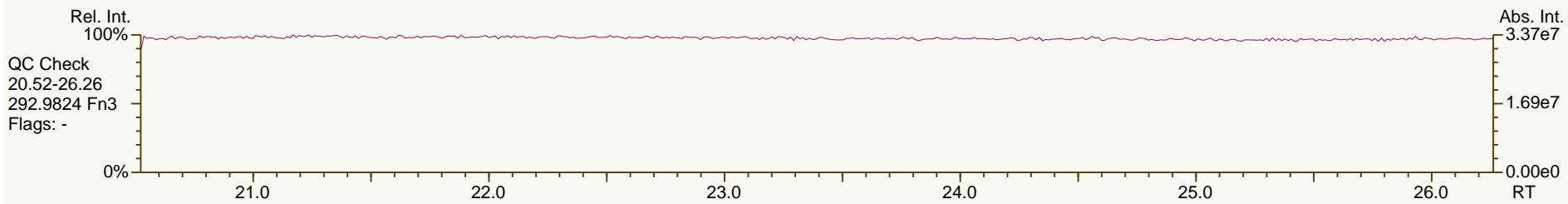
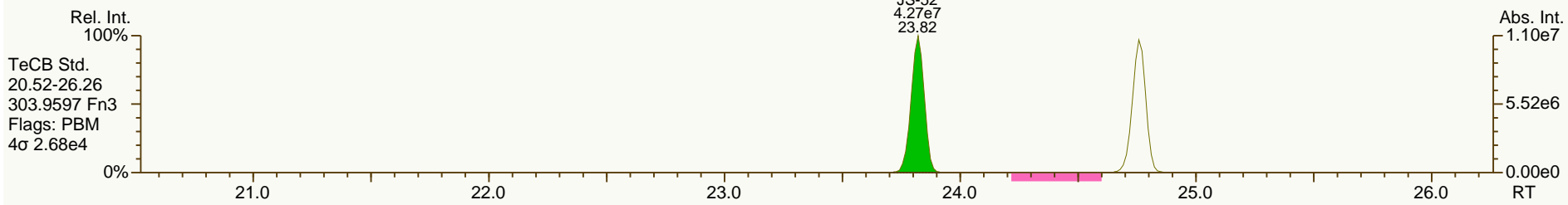
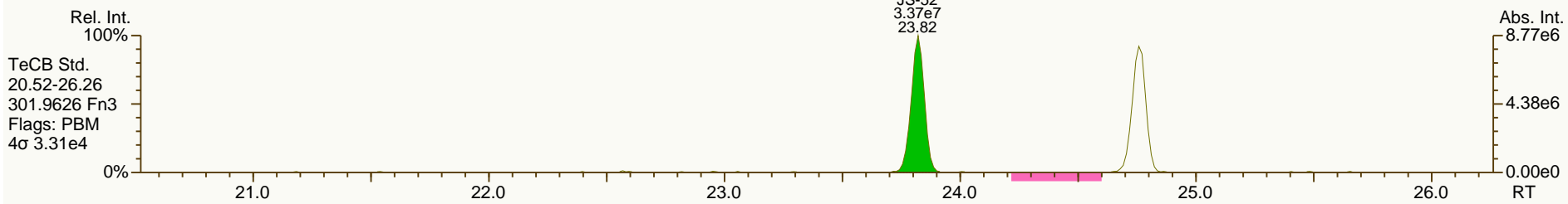
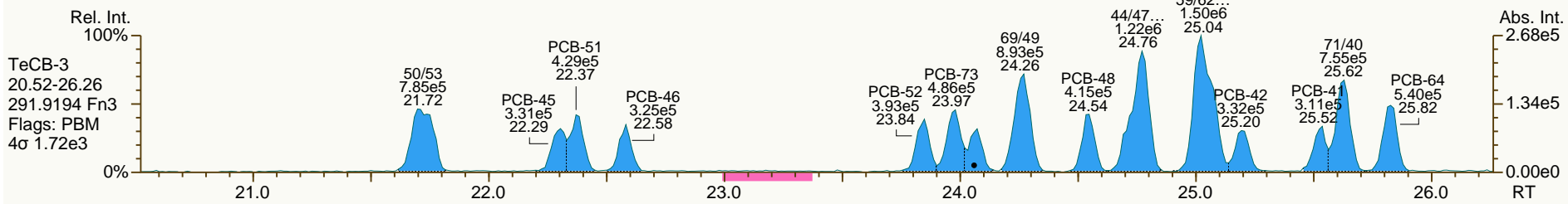
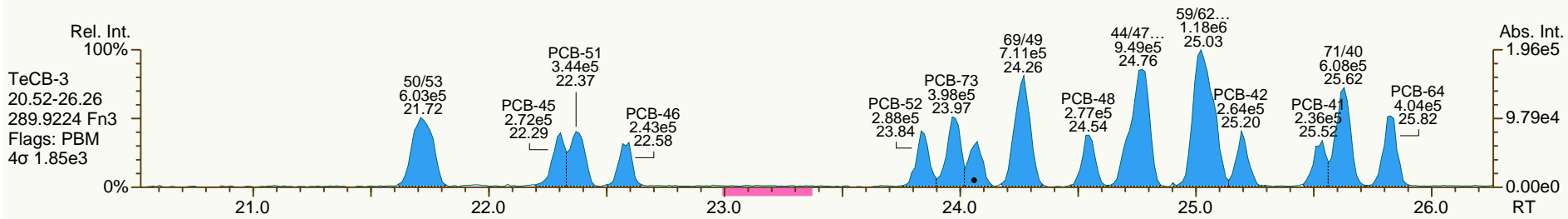
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
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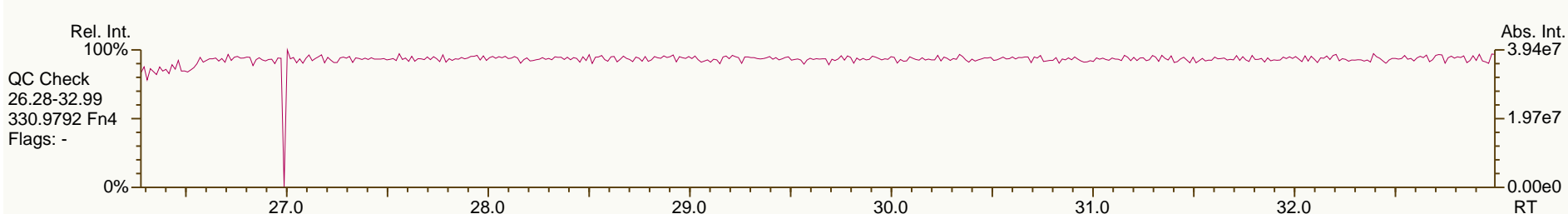
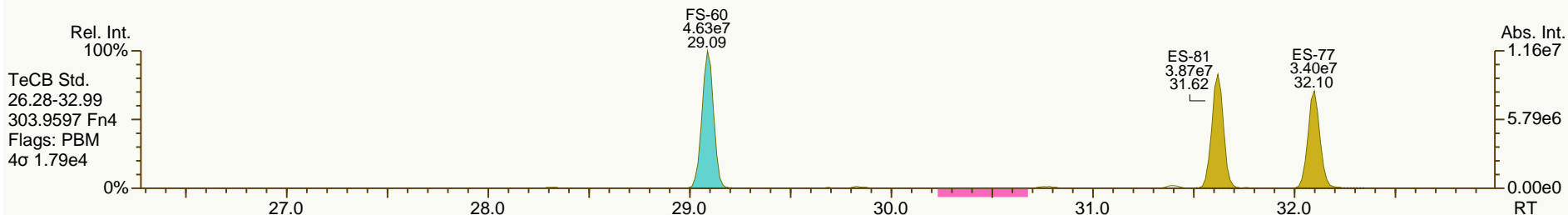
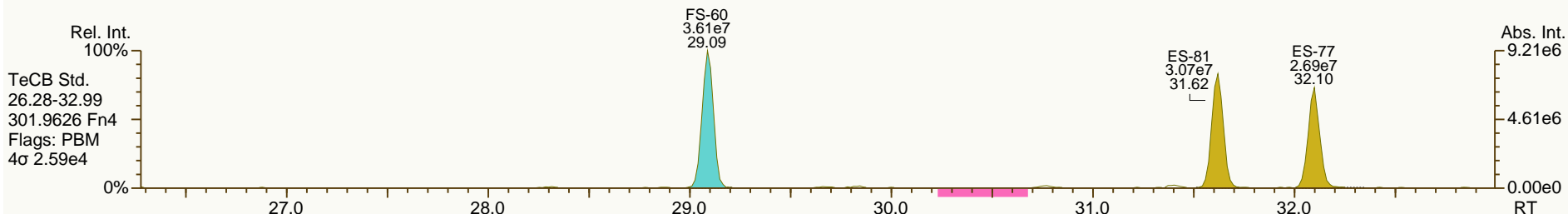
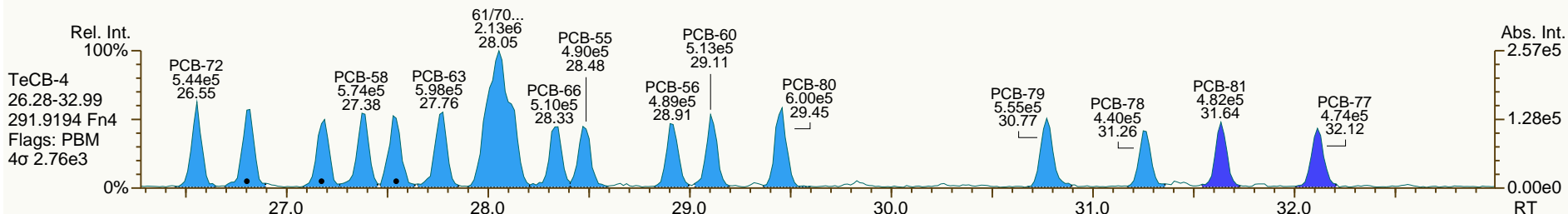
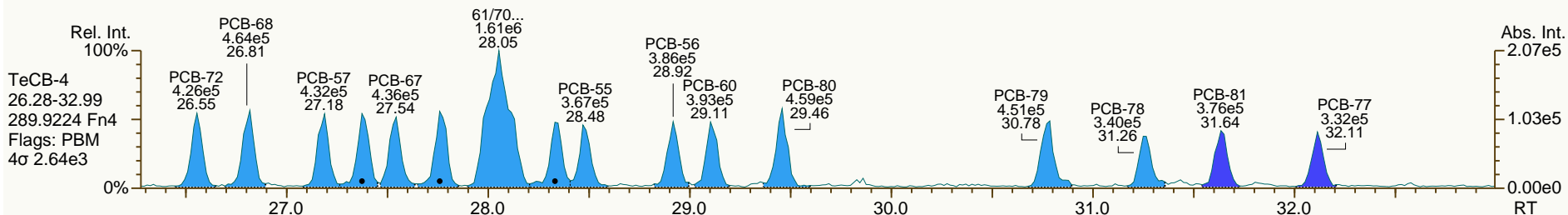
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

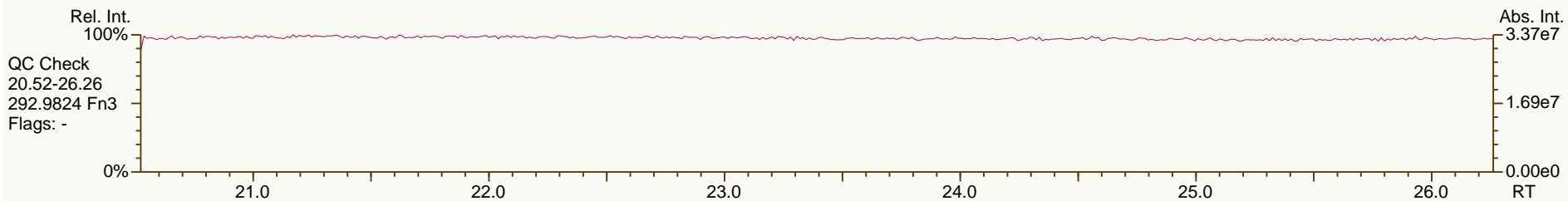
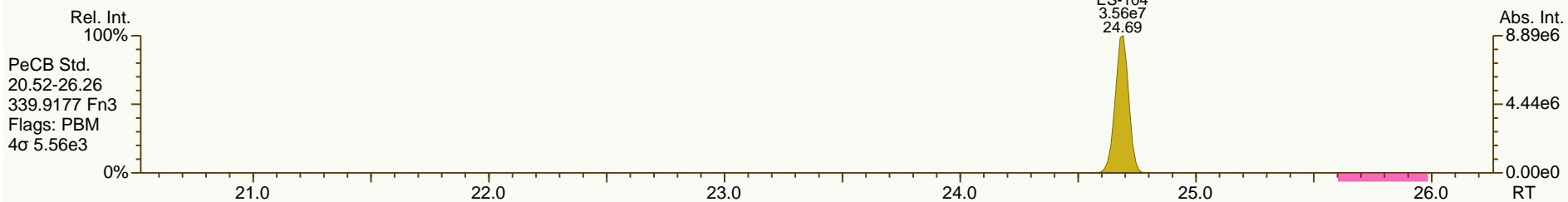
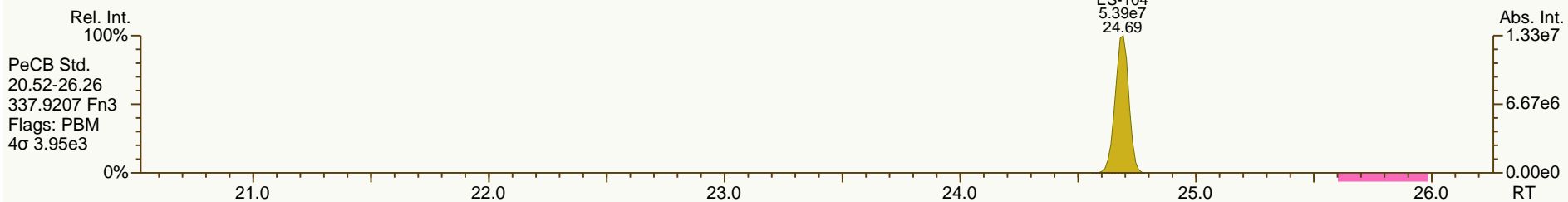
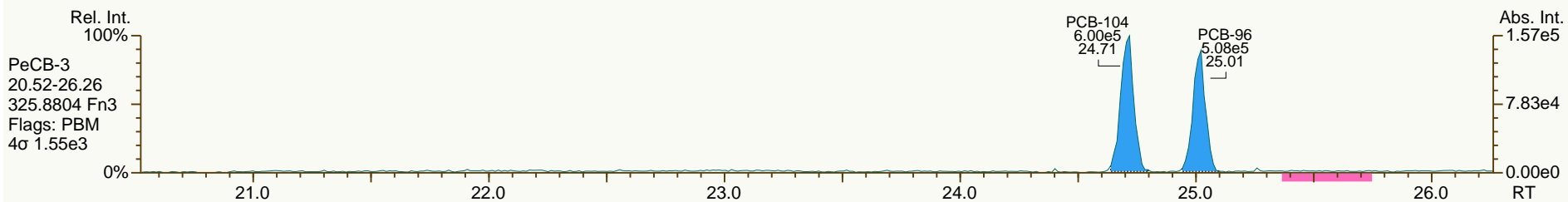
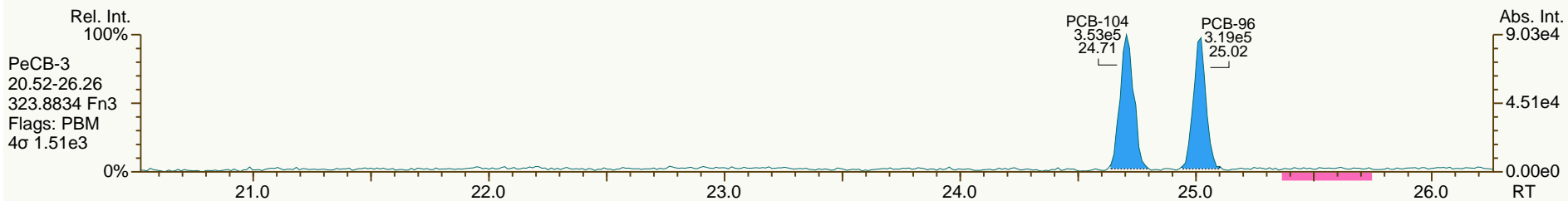
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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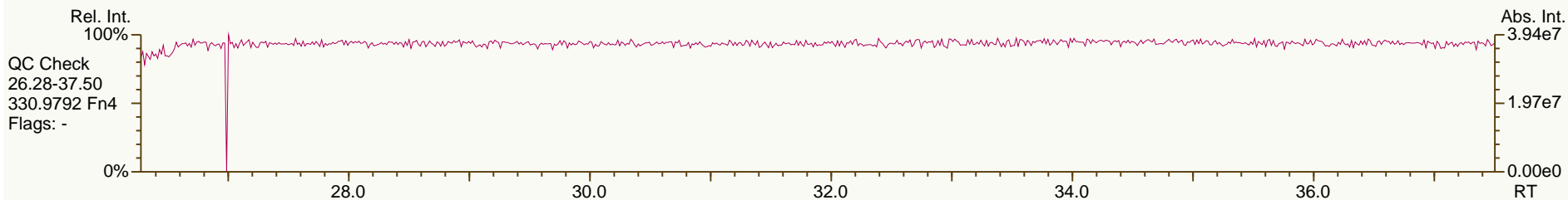
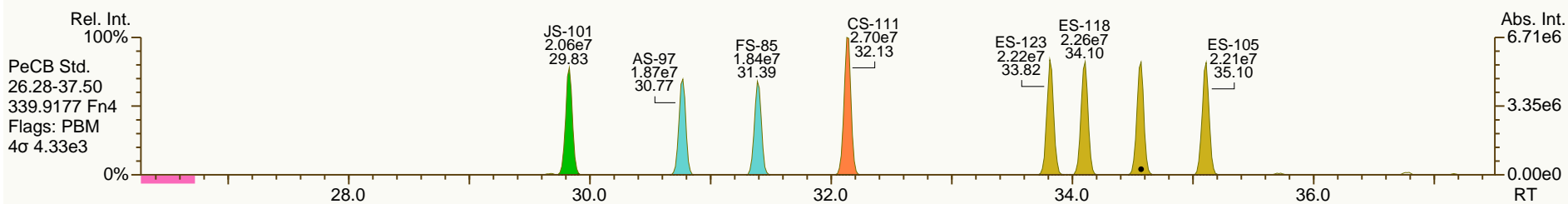
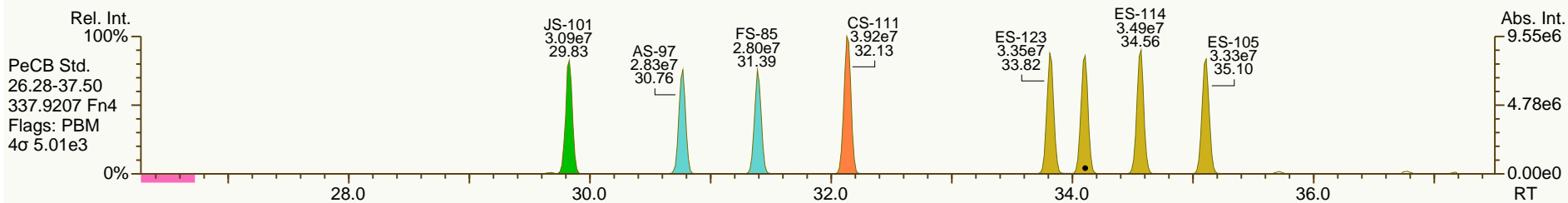
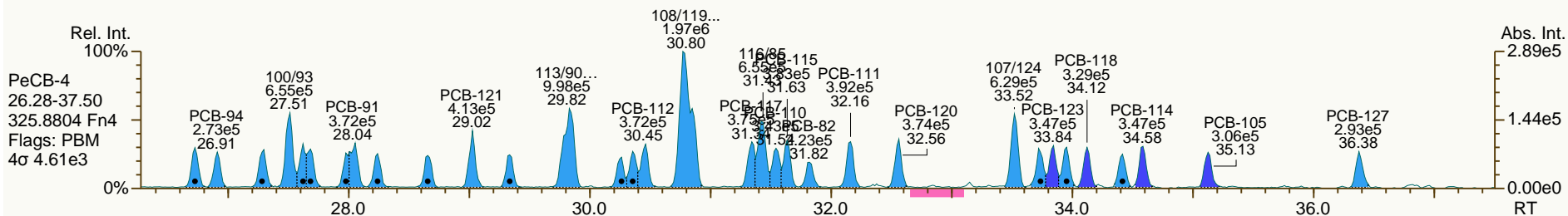
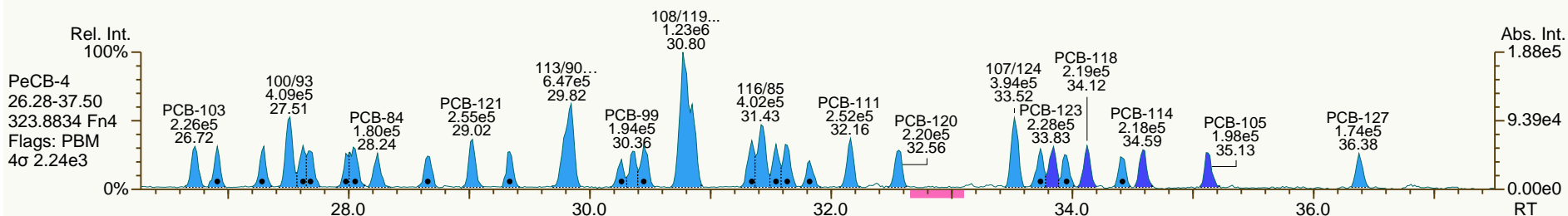
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
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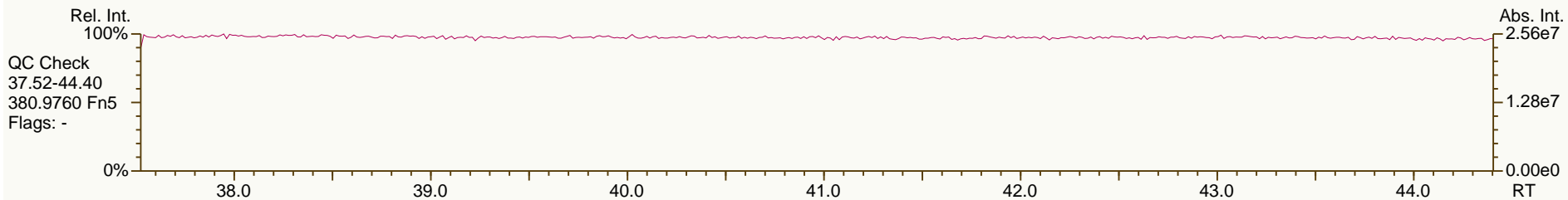
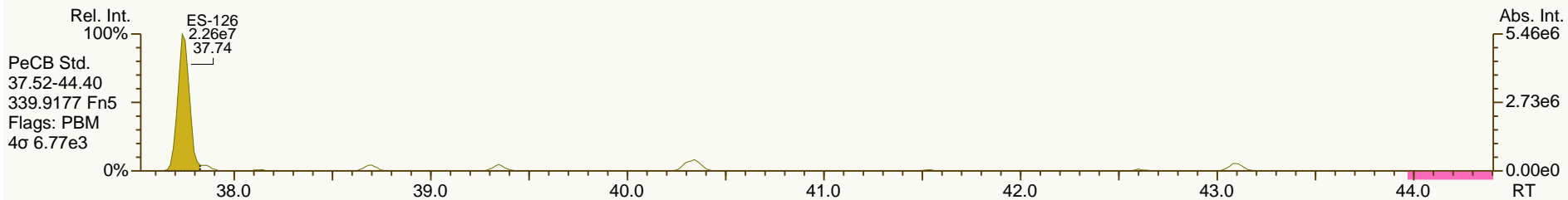
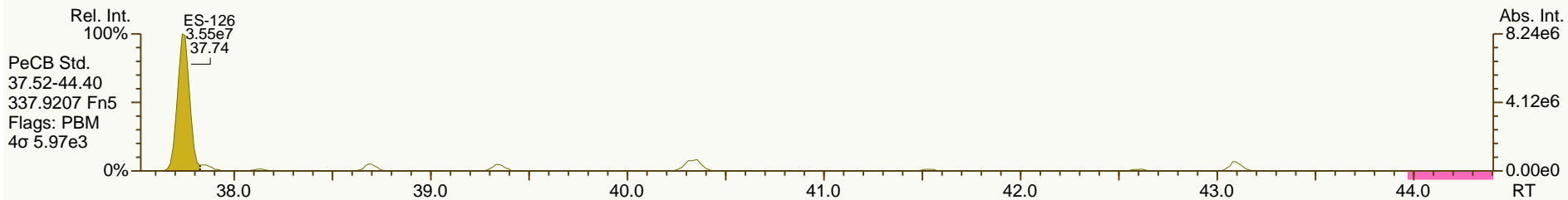
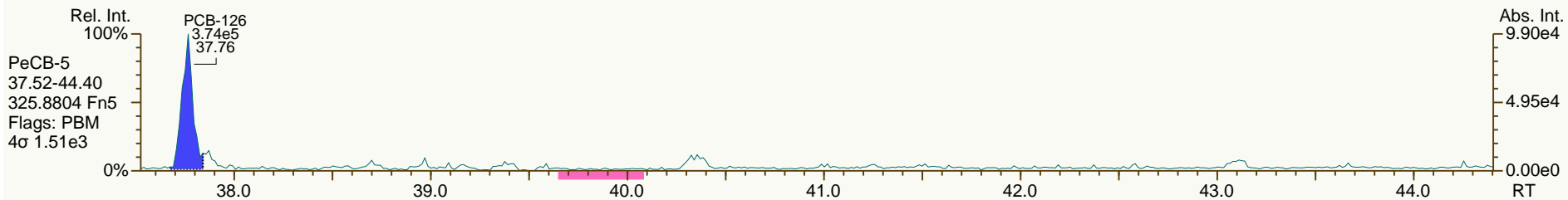
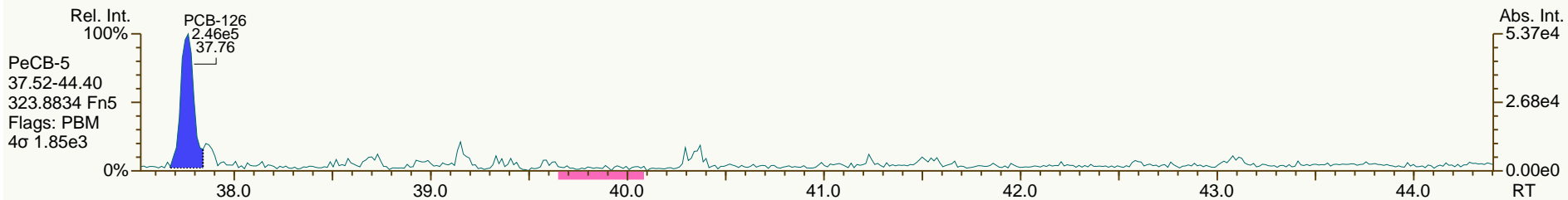
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
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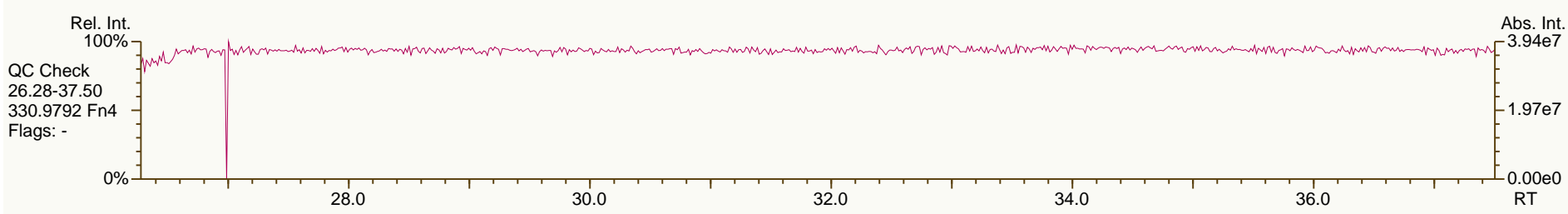
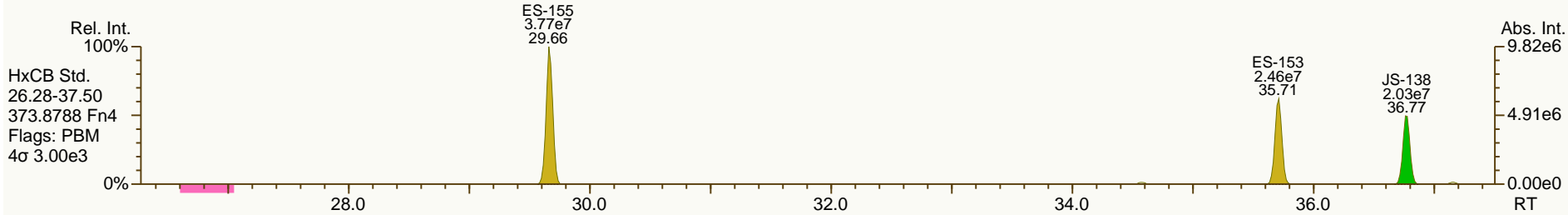
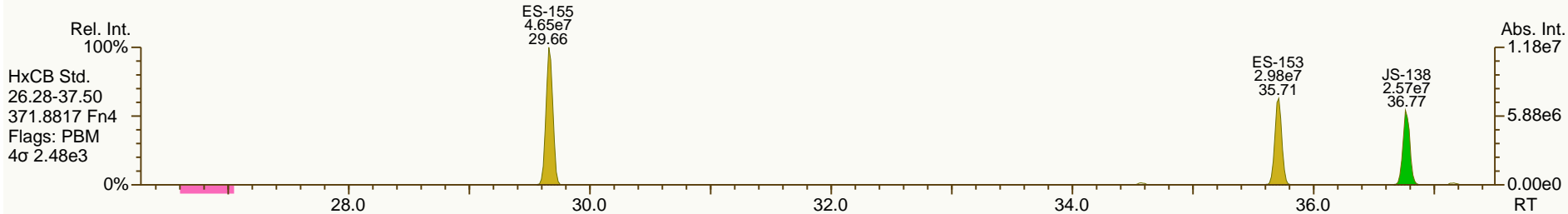
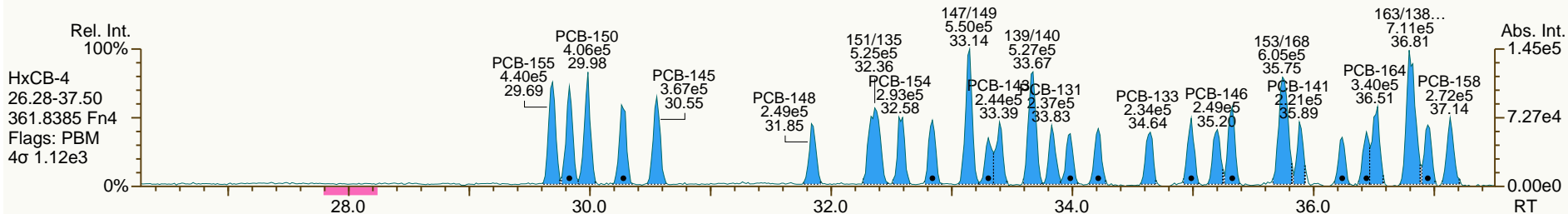
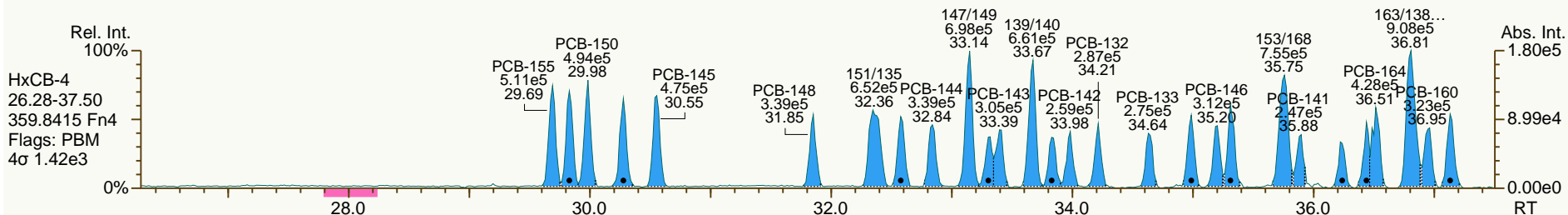
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SGS-AP ID: CS1_130826_PCB_VA
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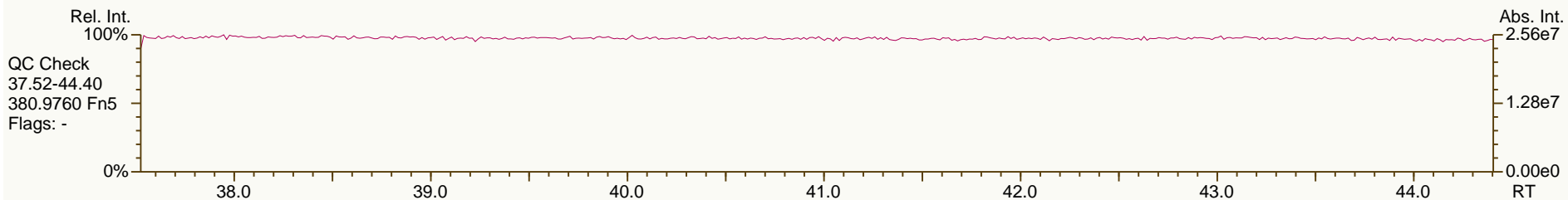
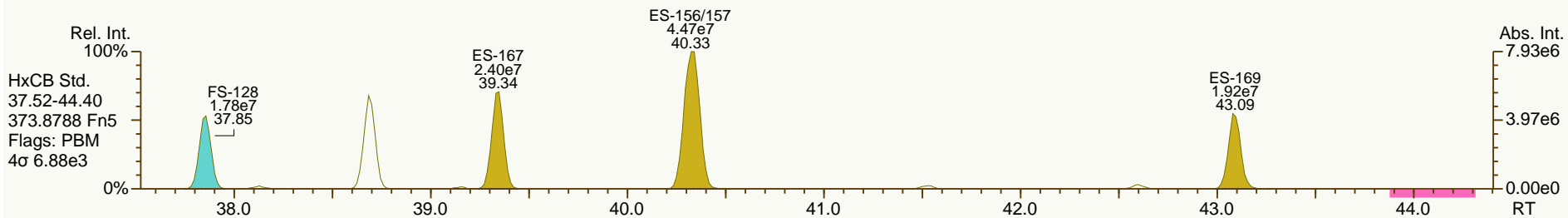
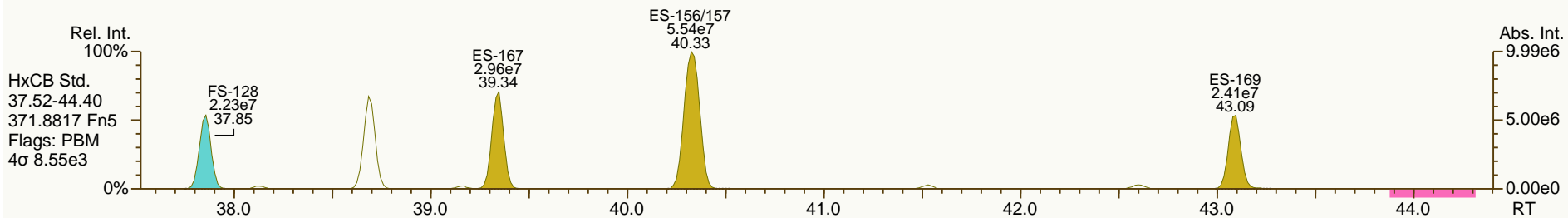
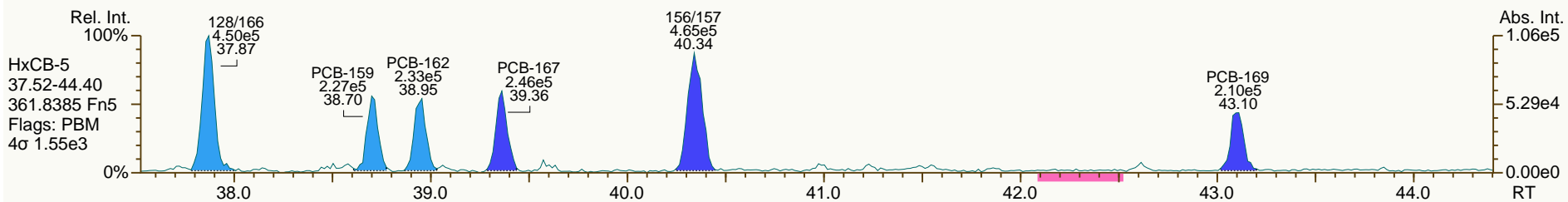
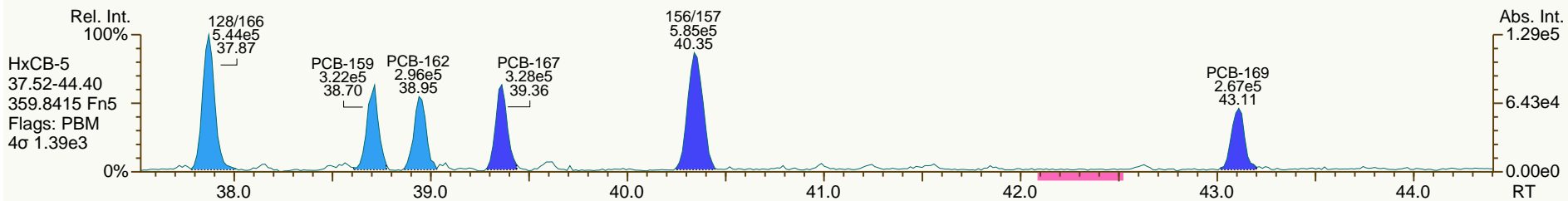
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SGS-AP ID: CS1_130826_PCB_VA
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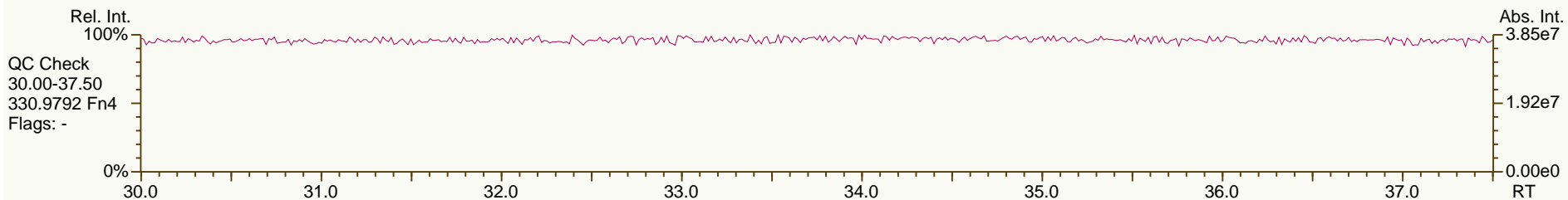
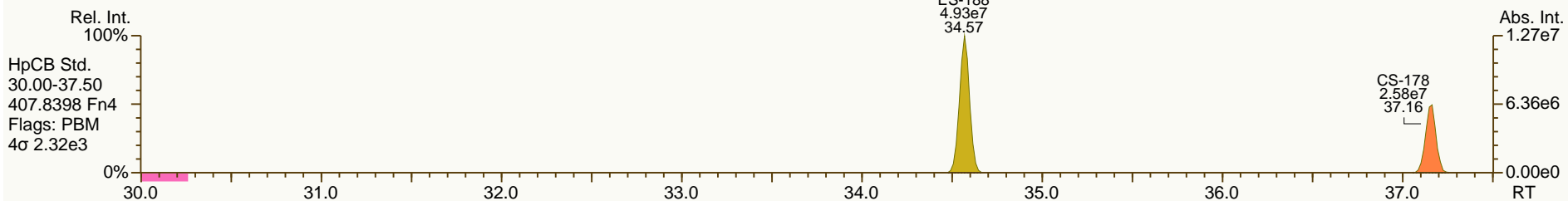
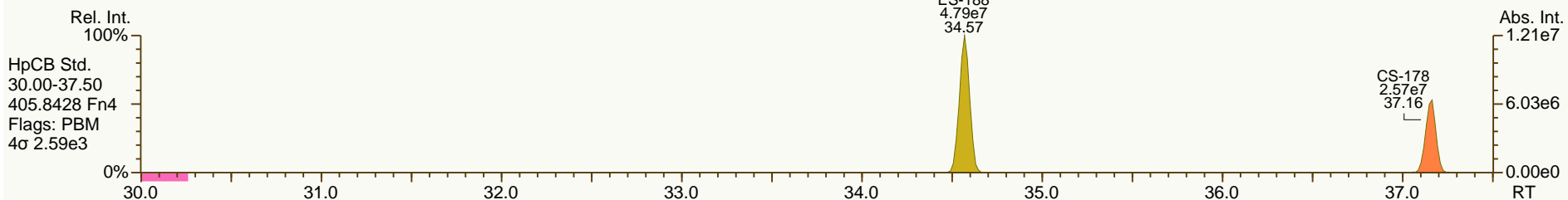
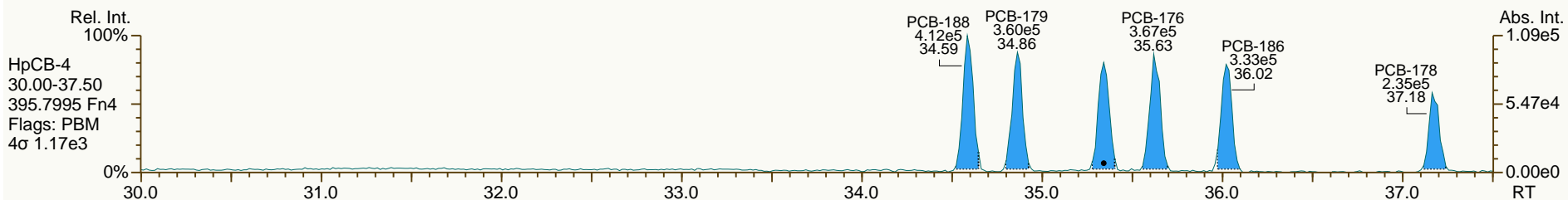
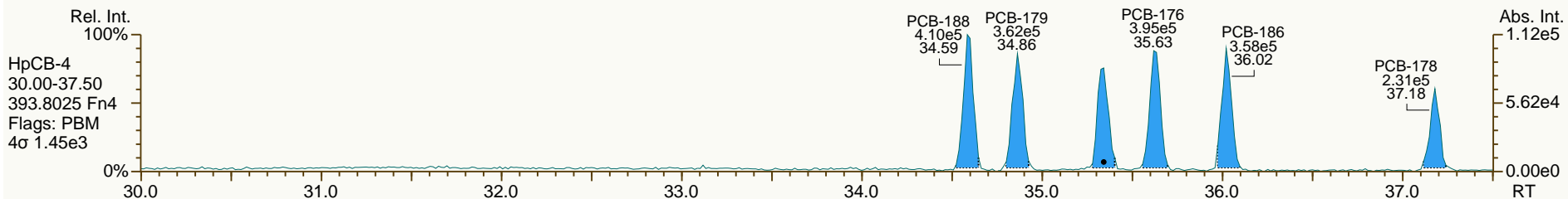
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SGS-AP ID: CS1_130826_PCB_VA
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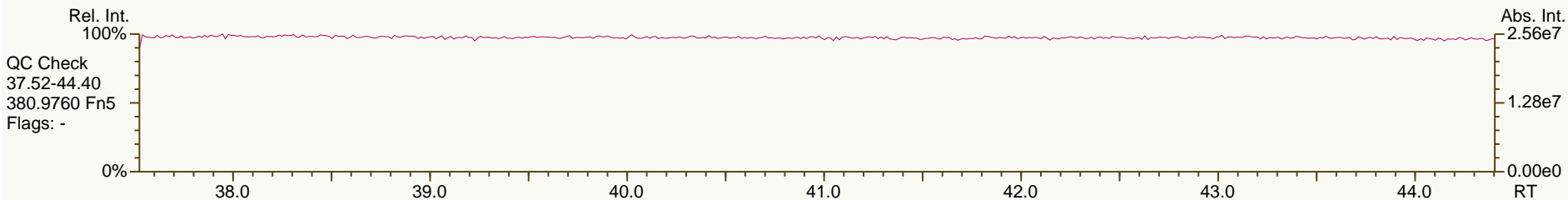
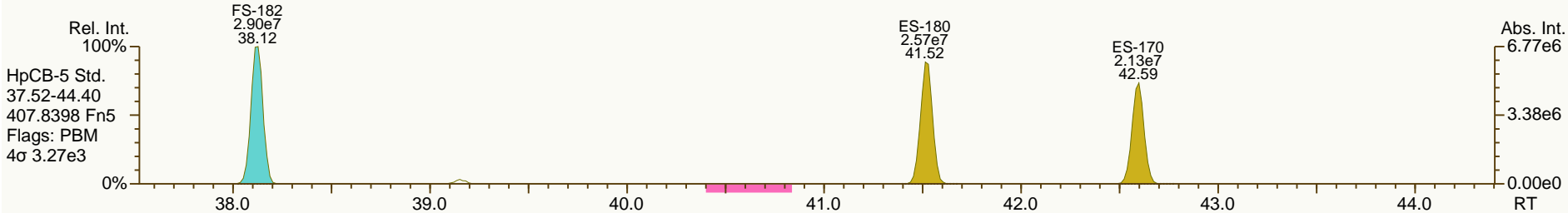
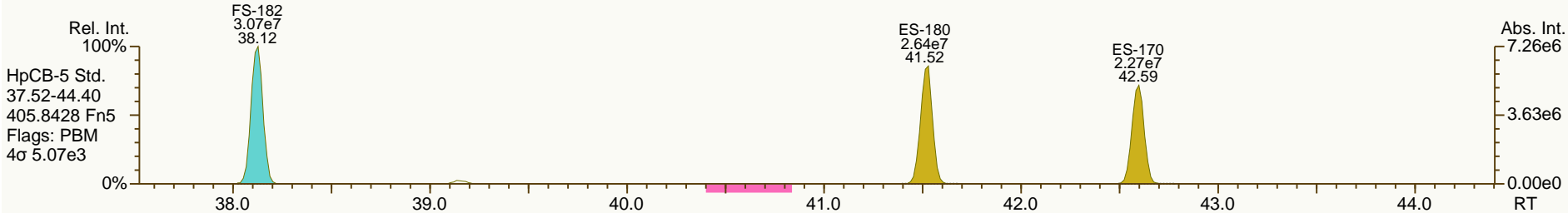
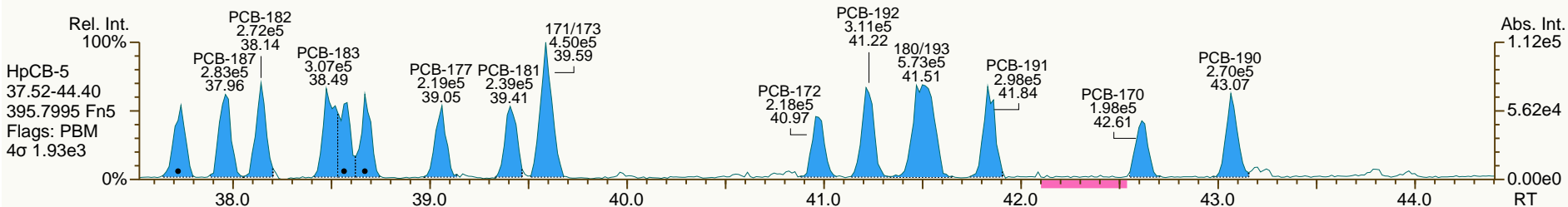
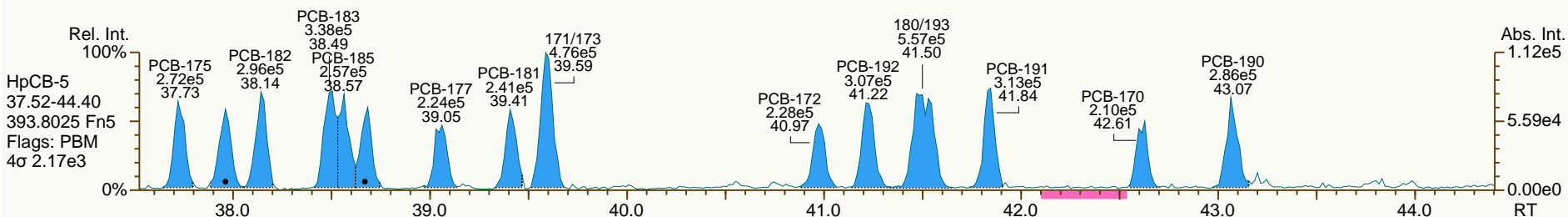
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SGS-AP ID: CS1_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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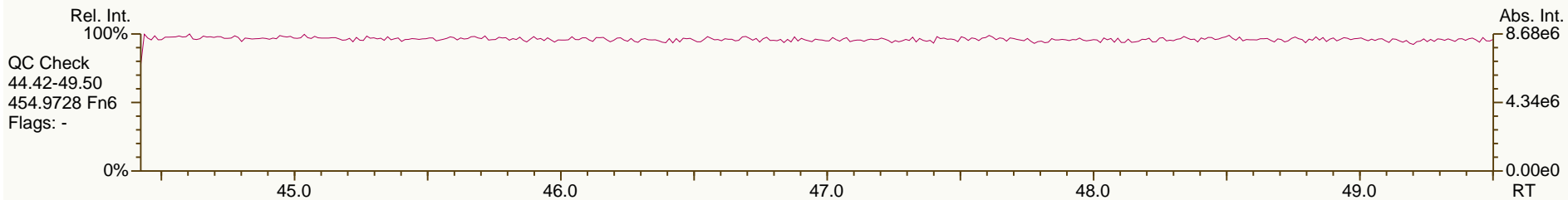
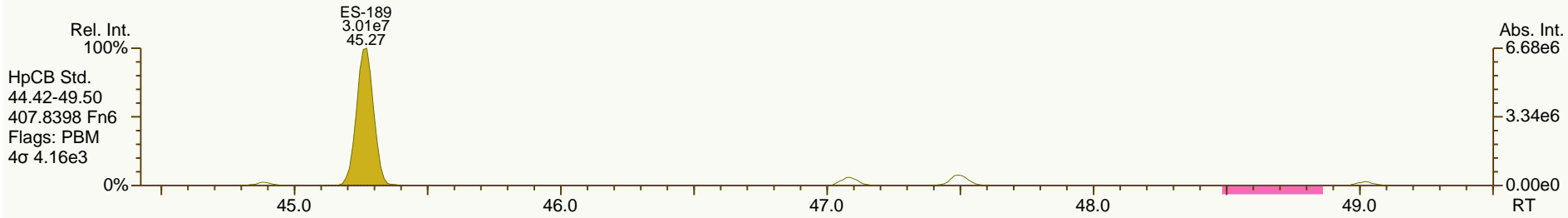
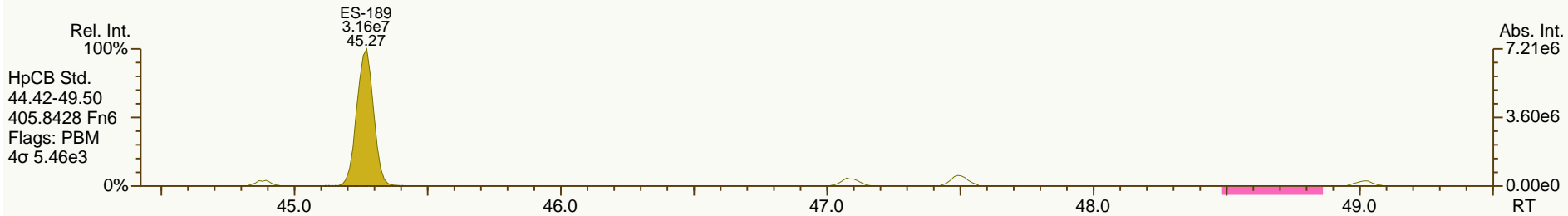
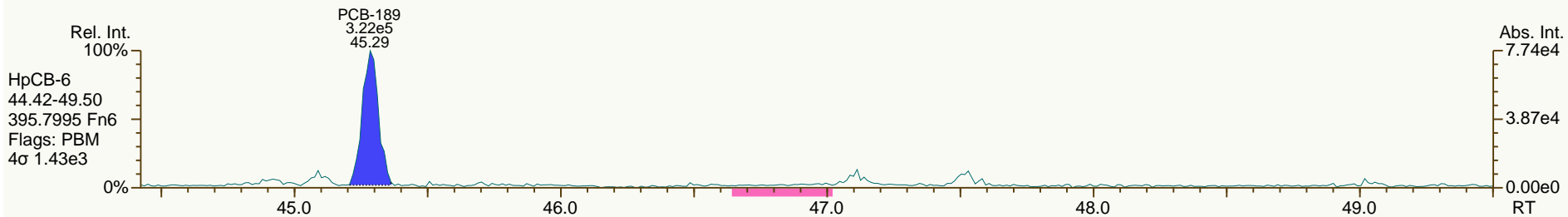
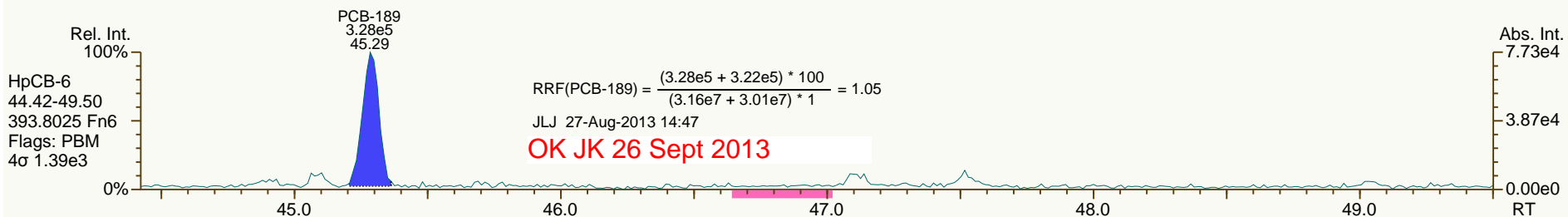
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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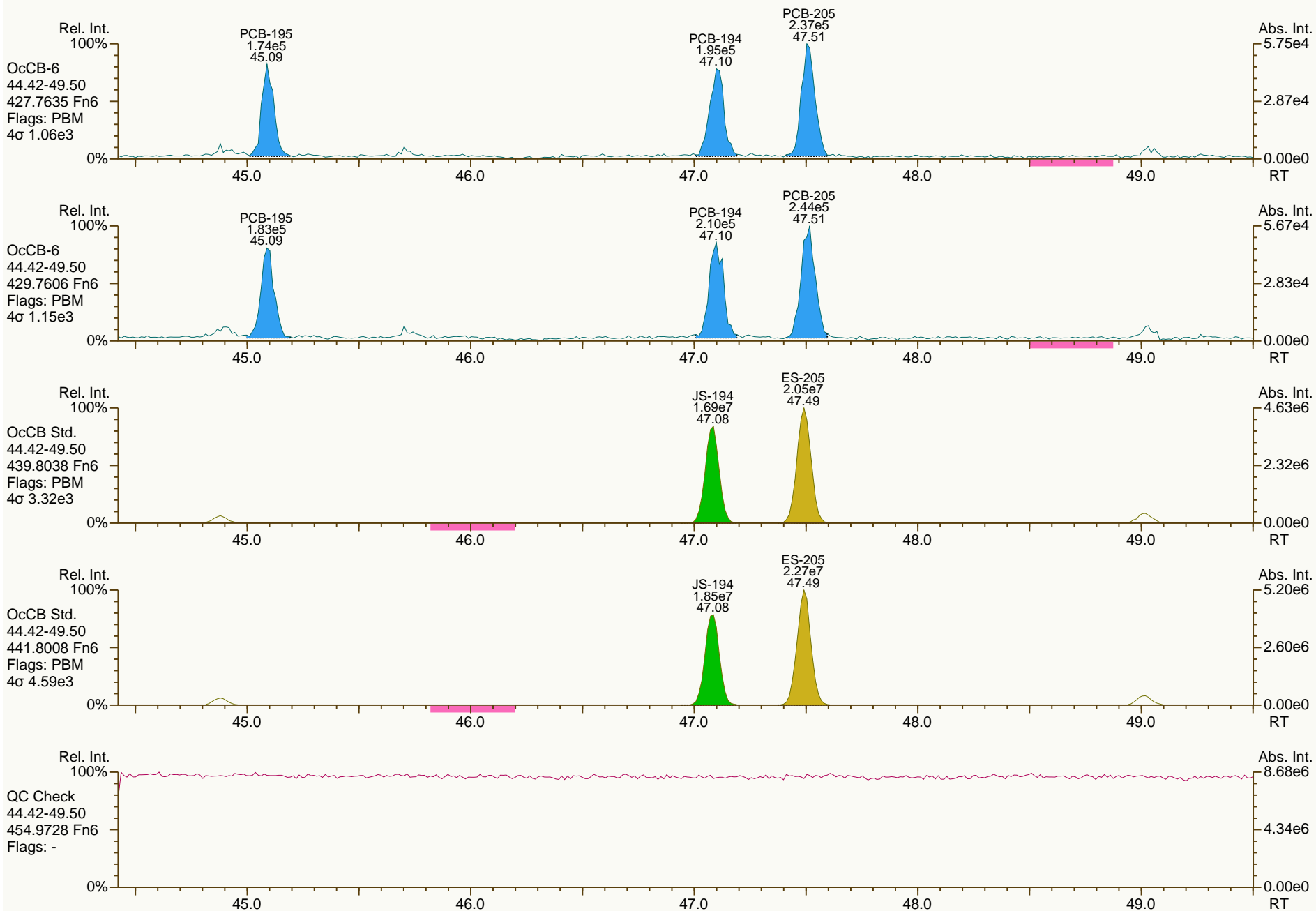
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Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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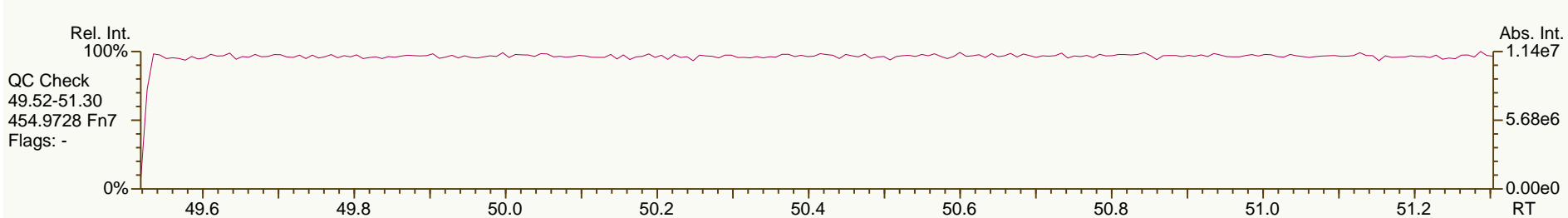
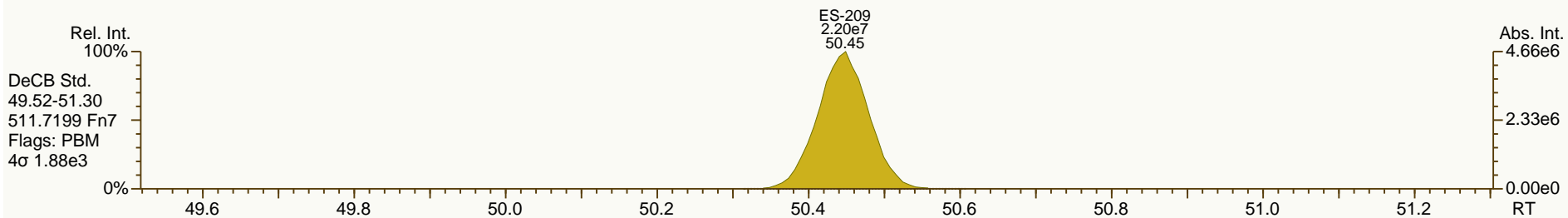
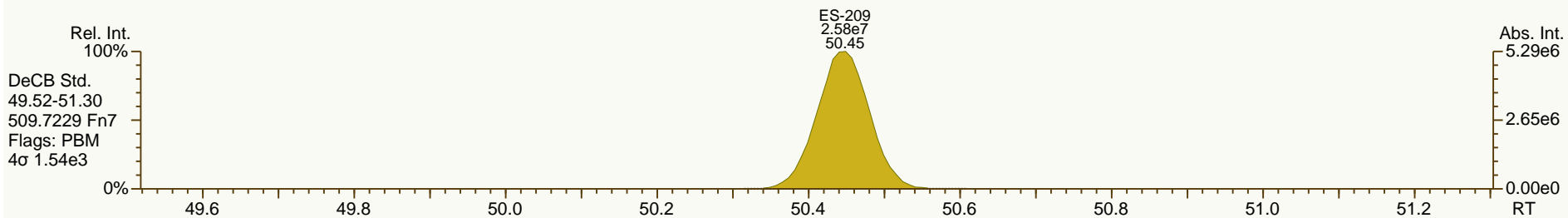
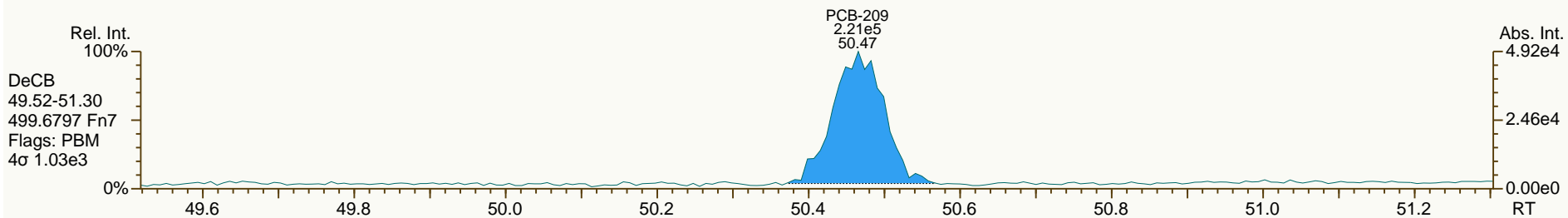
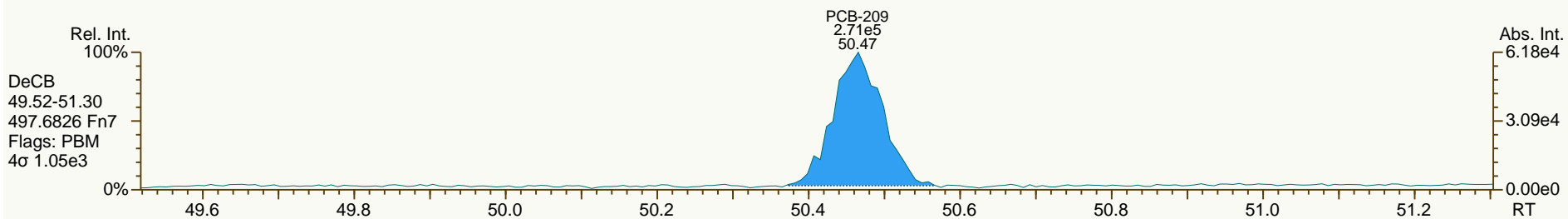
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SGS-AP ID: CS1_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-5
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 6

Acq: 26-Aug-2013 16:56:57
 User: JLJ Datafile: 130826V05



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS2_130826_PCB_VA						
Acquired:	26-AUG-2013 17:51		ICAL: MM6_PCB_07122013_27AUG2013				
Datafile:	130826V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.12	1.69E+06	0.78 Y	1.37	1.22	-11.2%	
PCB-81 344'5'-TeCB	31.63	1.74E+06	0.75 Y	1.20	1.11	-7.8%	
PCB-105 233'44'-PeCB	35.13	1.10E+06	0.66 Y	0.97	0.88	-9.6%	
PCB-114 2344'5'-PeCB	34.58	1.24E+06	0.60 Y	1.06	0.97	-8.2%	
PCB-118 23'44'5'-PeCB	34.12	1.20E+06	0.62 Y	1.00	0.89	-11.2%	
PCB-123 23'44'5'-PeCB	33.83	1.28E+06	0.64 Y	1.08	0.98	-9.4%	
PCB-126 33'44'5'-PeCB	37.76	1.35E+06	0.60 Y	1.08	1.01	-7.3%	
PCB-156/157 ...-HxCB	40.34	2.27E+06	1.31 Y	1.07	1.00	-6.1%	
PCB-167 23'44'55'-HxCB	39.36	1.31E+06	1.19 Y	1.11	1.06	-5.2%	
PCB-169 33'44'55'-HxCB	43.11	1.03E+06	1.18 Y	1.15	1.05	-8.5%	
PCB-189 233'44'55'-HpCB	45.29	1.47E+06	1.00 Y	1.10	1.04	-5.3%	
PCB-209 DeCB	50.46	1.05E+06	1.24 Y	1.04	0.96	-7.2%	
ES PCB-1	11.33	6.36E+07	3.28 Y	0.95	0.96	1.0%	
ES PCB-3	13.55	5.57E+07	3.38 Y	0.85	0.84	-1.9%	
ES PCB-4	13.80	4.51E+07	1.56 Y	0.67	0.68	1.7%	
ES PCB-15	19.43	5.92E+07	1.60 Y	0.94	0.89	-5.2%	
ES PCB-19	16.83	3.66E+07	1.05 Y	0.54	0.55	1.2%	
ES PCB-37	25.74	3.57E+07	1.10 Y	1.08	0.98	-8.6%	
ES PCB-54	19.71	4.67E+07	0.77 Y	1.27	1.28	0.7%	
ES PCB-77	32.10	2.79E+07	0.81 Y	0.84	0.77	-8.7%	
ES PCB-81	31.62	3.14E+07	0.79 Y	0.98	0.86	-12.0%	
ES PCB-104	24.68	4.21E+07	1.47 Y	1.69	1.76	4.4%	
ES PCB-105	35.10	2.50E+07	1.54 Y	1.08	1.05	-2.8%	
ES PCB-114	34.56	2.55E+07	1.52 Y	1.11	1.07	-3.7%	
ES PCB-118	34.10	2.69E+07	1.54 Y	1.13	1.12	-0.3%	
ES PCB-123	33.81	2.63E+07	1.51 Y	1.10	1.10	-0.2%	
ES PCB-126	37.74	2.68E+07	1.61 Y	1.17	1.12	-4.6%	
ES PCB-153	35.71	2.51E+07	1.27 Y	1.19	1.24	4.0%	
ES PCB-155	29.66	3.94E+07	1.24 Y	1.80	1.94	7.7%	
ES PCB-156/157	40.33	4.53E+07	1.28 Y	1.13	1.12	-1.1%	
ES PCB-167	39.34	2.48E+07	1.24 Y	1.20	1.22	1.7%	
ES PCB-169	43.09	1.96E+07	1.25 Y	1.00	0.97	-3.0%	
ES PCB-170	42.59	2.04E+07	1.05 Y	1.24	1.24	-0.1%	
ES PCB-180	41.52	2.45E+07	1.06 Y	1.51	1.49	-1.0%	
ES PCB-188	34.57	4.44E+07	0.97 Y	2.06	2.19	6.3%	
ES PCB-189	45.26	2.82E+07	1.05 Y	1.78	1.72	-3.4%	
ES PCB-202	39.15	3.65E+07	0.88 Y	1.66	1.80	8.4%	
ES PCB-205	47.49	1.98E+07	0.89 Y	1.22	1.21	-0.8%	
ES PCB-206	49.01	2.03E+07	0.78 Y	1.23	1.24	0.1%	
ES PCB-208	44.87	2.72E+07	0.79 Y	1.60	1.66	3.5%	
ES PCB-209	50.44	2.19E+07	1.19 Y	1.31	1.33	1.9%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	4.72E+07	1.11 Y	1.25	1.32	5.5%	
SS PCB-111	32.13	3.05E+07	1.52 Y	1.15	1.16	0.9%	
SS PCB-178	37.15	2.36E+07	1.03 Y	0.54	0.53	-1.2%	
CS PCB-28	22.19	4.72E+07	1.11 Y	1.34	1.30	-3.3%	
CS PCB-111	32.13	3.05E+07	1.52 Y	1.27	1.28	0.8%	
CS PCB-178	37.15	2.36E+07	1.03 Y	1.11	1.16	5.1%	
JS PCB-9	15.75	6.65E+07	1.61 Y		-	-	
JS PCB-52	23.81	3.64E+07	0.80 Y		-	-	
JS PCB-101	29.82	2.39E+07	1.53 Y		-	-	
JS PCB-138	36.77	2.03E+07	1.21 Y		-	-	
JS PCB-194	47.08	1.64E+07	0.91 Y		-	-	
PCB-1 2-MoCB	11.35	3.53E+06	2.96 Y	1.19	1.11	-6.8%	
PCB-3 4-MoCB	13.57	3.22E+06	3.07 Y	1.24	1.16	-6.6%	
PCB-4 22'-DiCB	13.82	1.86E+06	1.48 Y	0.88	0.82	-6.7%	
PCB-15 44'-DiCB	19.44	2.73E+06	1.51 Y	1.01	0.92	-9.0%	
PCB-19 22'6'-TrCB	16.84	1.61E+06	1.03 Y	0.92	0.88	-4.8%	
PCB-37 344'-TrCB	25.76	2.25E+06	1.05 Y	1.35	1.26	-6.8%	
PCB-54 22'66'-TeCB	19.73	2.33E+06	0.75 Y	1.08	1.00	-7.3%	
PCB-104 22'466'-PeCB	24.70	2.18E+06	0.63 Y	1.12	1.04	-7.5%	
PCB-155 22'44'66'-HxCB	29.68	2.22E+06	1.30 Y	1.21	1.13	-6.6%	
PCB-188 22'34'566'-HpCB	34.59	1.81E+06	1.02 Y	0.91	0.82	-9.9%	
PCB-202 22'33'55'66'-OcCB	39.17	1.48E+06	0.88 Y	0.86	0.81	-6.0%	
PCB-205 233'44'55'6'-OcCB	47.51	1.01E+06	0.99 Y	1.09	1.02	-6.2%	
PCB-208 22'33'455'66'-NoCB	44.89	1.26E+06	0.75 Y	1.00	0.93	-7.1%	
PCB-206 22'33'44'55'6'-NoCB	49.03	8.19E+05	0.76 Y	0.85	0.81	-5.0%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS2_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.35	3.53E+06	2.96 Y	1.19	-	-	
PCB-2 3-MoCB	13.39	3.27E+06	2.99 Y	1.25	1.17	-6.3%	
PCB-3 4-MoCB	13.57	3.22E+06	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.82	1.86E+06	1.48 Y	0.88	-	-	
PCB-10 26-DiCB	13.99	2.93E+06	1.53 Y	1.40	1.30	-7.3%	
PCB-9 25-DiCB	15.76	3.00E+06	1.56 Y	0.98	1.02	3.2%	
PCB-7 24-DiCB	15.93	3.21E+06	1.55 Y	1.12	1.08	-3.2%	
PCB-6 23'-DiCB	16.15	3.08E+06	1.46 Y	1.04	1.04	-0.1%	
PCB-5 23-DiCB	16.44	3.08E+06	1.61 Y	1.05	1.04	-0.6%	
PCB-8 24'-DiCB	16.56	3.18E+06	1.55 Y	1.10	1.07	-2.2%	
PCB-14 35-DiCB	18.10	3.56E+06	1.45 Y	1.24	1.20	-3.0%	
PCB-11 33'-DiCB	18.87	2.72E+06	1.50 Y	1.01	0.92	-9.0%	
PCB-13/12 34'/34-DiCB	19.16	5.52E+06	1.57 Y	0.99	0.93	-5.5%	
PCB-15 44'-DiCB	19.44	2.73E+06	1.51 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	1.61E+06	1.03 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	4.07E+06	1.02 Y	1.20	1.11	-7.5%	
PCB-17 22'4-TrCB	18.99	1.76E+06	1.05 Y	1.04	0.96	-6.8%	
PCB-27 23'6-TrCB	19.18	2.38E+06	1.01 Y	1.42	1.30	-8.3%	
PCB-24 236-TrCB	19.31	2.33E+06	0.94 Y	1.35	1.27	-5.5%	
PCB-16 22'3-TrCB	19.41	1.26E+06	1.04 Y	0.77	0.69	-10.6%	
PCB-32 24'6-TrCB	19.88	2.57E+06	1.04 Y	1.52	1.41	-7.5%	
PCB-34 23'5'-TrCB	21.04	2.94E+06	1.04 Y	1.64	1.65	0.7%	
PCB-23 235-TrCB	21.18	3.01E+06	1.03 Y	1.65	1.69	2.0%	
PCB-26/29 23'5/245-TrCB	21.47	5.83E+06	1.05 Y	1.65	1.63	-1.4%	
PCB-25 23'4-TrCB	21.66	3.00E+06	1.04 Y	1.64	1.68	2.3%	
PCB-31 24'5-TrCB	21.94	3.04E+06	1.03 Y	1.71	1.70	-0.5%	
PCB-28/20 244'/233'-TrCB	22.22	5.67E+06	1.05 Y	1.60	1.59	-0.8%	
PCB-21/33 234/23'4'-TrCB	22.40	5.79E+06	1.07 Y	1.64	1.62	-1.5%	
PCB-22 234'-TrCB	22.77	2.65E+06	1.05 Y	1.49	1.48	-0.8%	
PCB-36 33'5-TrCB	24.16	2.78E+06	1.04 Y	1.57	1.55	-1.0%	
PCB-39 34'5-TrCB	24.48	2.79E+06	1.08 Y	1.61	1.56	-2.9%	
PCB-38 345-TrCB	25.01	2.51E+06	1.07 Y	1.48	1.40	-4.8%	
PCB-35 33'4-TrCB	25.40	2.30E+06	1.04 Y	1.30	1.29	-1.5%	
PCB-37 344'-TrCB	25.76	2.25E+06	1.05 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.73	2.33E+06	0.75 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	3.22E+06	0.79 Y	0.98	1.02	4.3%	
PCB-45 22'36'-TeCB	22.29	1.44E+06	0.75 Y	0.85	0.92	7.7%	
PCB-51 22'46'-TeCB	22.37	1.61E+06	0.80 Y	0.98	1.02	4.3%	
PCB-46 22'36'-TeCB	22.57	1.33E+06	0.79 Y	0.79	0.85	7.0%	
PCB-52 22'55'-TeCB	23.84	1.54E+06	0.74 Y	0.94	0.98	4.6%	
PCB-73 23'5'6'-TeCB	23.97	2.03E+06	0.79 Y	1.23	1.30	5.4%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:43			
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 17:51					
Datafile:	130826V06					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	1.26E+06	0.78 Y	0.78	0.81	2.9%
PCB-69/49 23'46/22'45'-TeCB	24.26	3.61E+06	0.76 Y	1.12	1.15	2.7%
PCB-48 22'45'-TeCB	24.54	1.54E+06	0.78 Y	0.95	0.98	3.6%
PCB-44/47/65 ...-TeCB	24.75	4.84E+06	0.78 Y	1.00	1.03	3.1%
PCB-59/62/75 ...-TeCB	25.03	5.90E+06	0.77 Y	1.25	1.25	0.4%
PCB-42 22'34'-TeCB	25.19	1.41E+06	0.80 Y	0.83	0.90	7.6%
PCB-41 22'34'-TeCB	25.52	1.22E+06	0.79 Y	0.75	0.78	2.7%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	3.00E+06	0.77 Y	0.94	0.96	1.4%
PCB-64 23'4'-TeCB	25.82	2.07E+06	0.77 Y	1.31	1.32	0.3%
PCB-72 23'55'-TeCB	26.55	2.10E+06	0.77 Y	1.35	1.34	-0.6%
PCB-68 23'45'-TeCB	26.81	2.33E+06	0.78 Y	1.51	1.48	-1.8%
PCB-57 23'5'-TeCB	27.17	2.11E+06	0.77 Y	1.34	1.34	0.0%
PCB-58 23'5'-TeCB	27.38	2.14E+06	0.79 Y	1.41	1.36	-3.6%
PCB-67 23'45'-TeCB	27.54	2.12E+06	0.77 Y	1.42	1.35	-4.9%
PCB-63 23'4'-TeCB	27.76	2.33E+06	0.78 Y	1.52	1.49	-2.4%
PCB-61/70/74/76 ...-TeCB	28.05	8.36E+06	0.77 Y	1.36	1.33	-2.3%
PCB-66 23'44'-TeCB	28.33	1.97E+06	0.80 Y	1.28	1.26	-1.5%
PCB-55 23'3'-TeCB	28.48	1.91E+06	0.78 Y	1.24	1.21	-1.7%
PCB-56 23'3'-TeCB	28.91	1.86E+06	0.78 Y	1.22	1.19	-2.5%
PCB-60 23'44'-TeCB	29.10	1.94E+06	0.76 Y	1.27	1.24	-3.0%
PCB-80 33'55'-TeCB	29.45	2.18E+06	0.80 Y	1.45	1.39	-4.1%
PCB-79 33'45'-TeCB	30.77	2.12E+06	0.79 Y	1.45	1.35	-7.1%
PCB-78 33'45'-TeCB	31.26	1.62E+06	0.76 Y	1.10	1.03	-6.0%
PCB-104 22'466'-PeCB	24.70	2.18E+06	0.63 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.01	1.82E+06	0.63 Y	0.95	0.86	-9.5%
PCB-103 22'45'6'-PeCB	26.72	1.20E+06	0.66 Y	0.99	0.91	-8.3%
PCB-94 22'356'-PeCB	26.91	1.03E+06	0.63 Y	0.85	0.79	-7.3%
PCB-95 22'35'6'-PeCB	27.28	1.08E+06	0.60 Y	0.92	0.82	-10.1%
PCB-100/93 22'44'6/22'356'-PeC	27.50	2.14E+06	0.62 Y	0.92	0.81	-11.8%
PCB-102 22'456'-PeCB	27.61	1.25E+06	0.60 Y	1.03	0.95	-7.0%
PCB-98 22'34'6'-PeCB	27.68	1.05E+06	0.61 Y	0.81	0.80	-1.3%
PCB-88 22'346'-PeCB	27.98	8.89E+05	0.57 Y	0.74	0.68	-8.9%
PCB-91 22'34'6'-PeCB	28.04	1.30E+06	0.63 Y	1.06	0.99	-7.2%
PCB-84 22'33'6'-PeCB	28.23	9.16E+05	0.63 Y	0.77	0.70	-9.4%
PCB-89 22'346'-PeCB	28.65	1.03E+06	0.62 Y	0.82	0.78	-4.3%
PCB-121 23'45'6'-PeCB	29.02	1.43E+06	0.62 Y	1.21	1.09	-10.5%
PCB-92 22'355'-PeCB	29.33	1.00E+06	0.61 Y	0.84	0.76	-8.9%
PCB-113/90/101 ...-PeCB	29.82	3.60E+06	0.62 Y	1.00	0.91	-8.2%
PCB-83 22'33'5'-PeCB	30.25	8.00E+05	0.64 Y	0.71	0.61	-13.7%

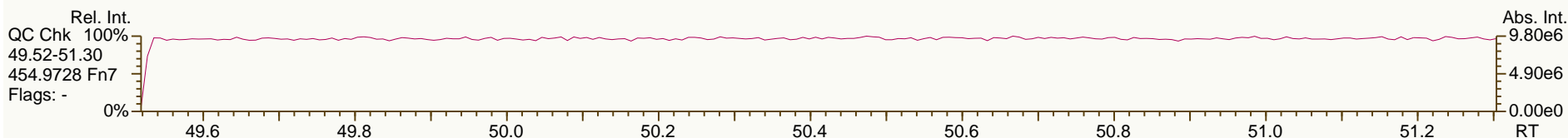
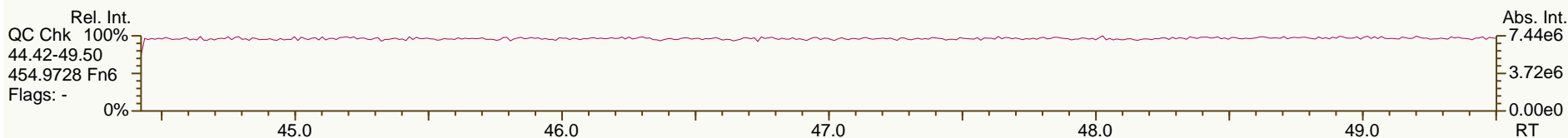
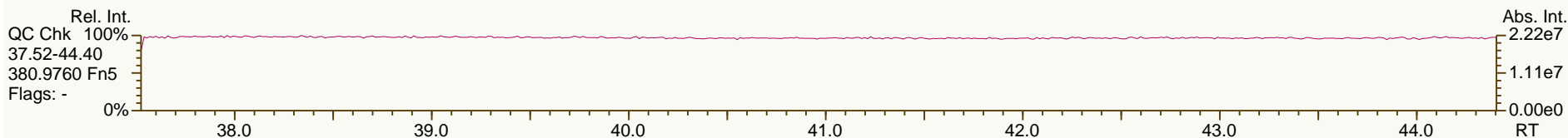
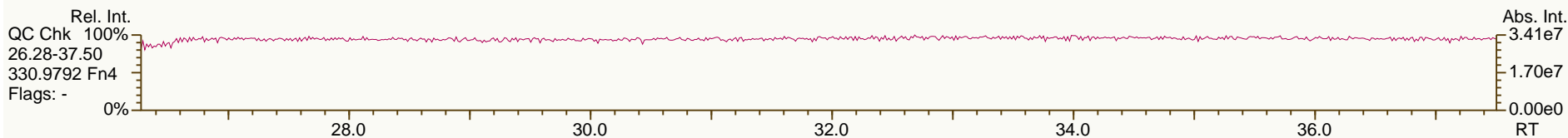
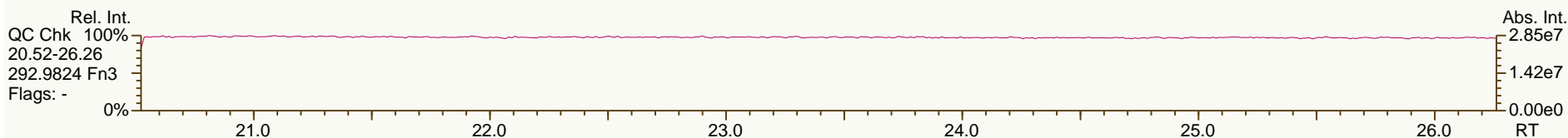
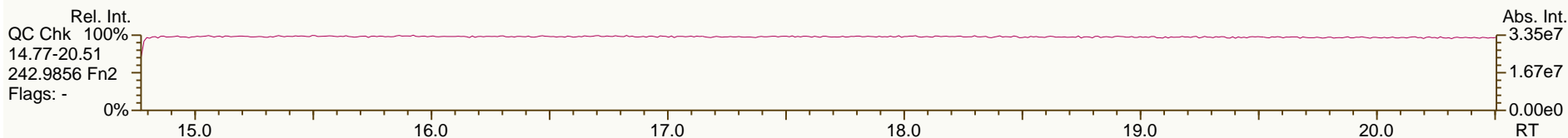
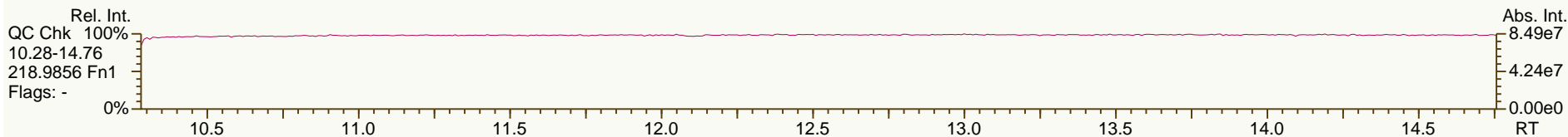
Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43					
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 17:51						
Datafile:	130826V06						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.35	1.15E+06	0.62 Y	0.90	0.87	-3.2%	
PCB-112 233'56-PeCB	30.45	1.34E+06	0.61 Y	1.13	1.02	-9.5%	
PCB-108/119/86/97/125...-PeCB	30.80	7.03E+06	0.62 Y	0.99	0.89	-10.1%	
PCB-117 234'56-PeCB	31.34	1.30E+06	0.63 Y	1.10	0.99	-9.7%	
PCB-116/85 23456/22'344'-PeCB	31.42	2.29E+06	0.64 Y	0.95	0.87	-8.5%	
PCB-110 233'46-PeCB	31.54	1.26E+06	0.61 Y	1.05	0.96	-8.7%	
PCB-115 2344'6-PeCB	31.63	1.30E+06	0.63 Y	1.13	0.99	-12.7%	
PCB-82 22'33'4-PeCB	31.82	7.82E+05	0.59 Y	0.69	0.60	-13.5%	
PCB-111 233'55'-PeCB	32.15	1.40E+06	0.65 Y	1.17	1.07	-8.4%	
PCB-120 23'455'-PeCB	32.56	1.31E+06	0.63 Y	1.11	1.00	-9.5%	
PCB-107/124 ...-PeCB	33.52	2.36E+06	0.61 Y	0.99	0.90	-9.2%	
PCB-109 233'46-PeCB	33.73	1.24E+06	0.64 Y	1.07	0.94	-11.8%	
PCB-106 233'45-PeCB	33.94	1.18E+06	0.60 Y	0.98	0.90	-8.4%	
PCB-122 233'4'5'-PeCB	34.41	1.02E+06	0.62 Y	0.87	0.80	-8.0%	
PCB-127 33'455'-PeCB	36.38	1.01E+06	0.63 Y	0.91	0.81	-11.4%	
PCB-155 22'44'66'-HxCB	29.68	2.22E+06	1.30 Y	1.21	-	-	
PCB-152 22'3566'-HxCB	29.83	2.05E+06	1.23 Y	1.12	1.04	-7.1%	
PCB-150 22'34'66'-HxCB	29.98	2.01E+06	1.21 Y	1.11	1.02	-8.3%	
PCB-136 22'33'66'-HxCB	30.27	1.88E+06	1.27 Y	1.04	0.96	-8.0%	
PCB-145 22'3466'-HxCB	30.55	1.92E+06	1.24 Y	1.05	0.97	-7.2%	
PCB-148 22'34'56'-HxCB	31.84	1.36E+06	1.25 Y	1.15	1.08	-6.4%	
PCB-151/135 ...-HxCB	32.36	2.59E+06	1.18 Y	1.11	1.03	-7.2%	
PCB-154 22'44'56'-HxCB	32.58	1.56E+06	1.23 Y	1.29	1.24	-3.3%	
PCB-144 22'345'6-HxCB	32.84	1.36E+06	1.29 Y	1.12	1.08	-3.9%	
PCB-147/149 ...-HxCB	33.14	2.67E+06	1.25 Y	1.15	1.06	-7.4%	
PCB-134 22'33'56-HxCB	33.31	1.09E+06	1.18 Y	0.88	0.87	-1.4%	
PCB-143 22'3456'-HxCB	33.39	1.33E+06	1.28 Y	1.10	1.05	-3.8%	
PCB-139/140 ...-HxCB	33.66	2.64E+06	1.28 Y	1.15	1.05	-8.8%	
PCB-131 22'33'46-HxCB	33.83	1.15E+06	1.23 Y	0.96	0.91	-4.8%	
PCB-142 22'3456-HxCB	33.98	1.09E+06	1.26 Y	0.94	0.87	-7.8%	
PCB-132 22'33'46'-HxCB	34.21	1.19E+06	1.29 Y	0.98	0.95	-3.0%	
PCB-133 22'33'55'-HxCB	34.64	1.21E+06	1.27 Y	1.03	0.96	-6.3%	
PCB-165 233'55'6-HxCB	34.98	1.50E+06	1.29 Y	1.25	1.20	-4.3%	
PCB-146 22'34'55'-HxCB	35.20	1.30E+06	1.24 Y	1.11	1.03	-7.1%	
PCB-161 233'45'6-HxCB	35.32	1.50E+06	1.25 Y	1.34	1.20	-11.0%	
PCB-153/168 ...-HxCB	35.75	3.08E+06	1.28 Y	1.33	1.22	-8.2%	
PCB-141 22'3455'-HxCB	35.89	1.16E+06	1.24 Y	0.98	0.92	-5.9%	
PCB-130 22'33'45'-HxCB	36.23	1.01E+06	1.31 Y	0.85	0.81	-4.6%	
PCB-137 22'344'5-HxCB	36.43	1.16E+06	1.24 Y	1.02	0.93	-9.7%	
PCB-164 233'4'5'6-HxCB	36.51	1.64E+06	1.33 Y	1.35	1.31	-2.8%	
PCB-163/138/129 ...-HxCB	36.81	3.82E+06	1.25 Y	1.08	1.01	-6.5%	

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS2_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 17:51					
Datafile:	130826V06					
Name	RT	Response	RA	RRF		
PCB-160 233'456-HxCB	36.95	1.39E+06	1.22 Y	1.22	1.11	-9.0%
PCB-158 233'44'6-HxCB	37.13	1.58E+06	1.24 Y	1.36	1.26	-7.6%
PCB-128/166 ...-HxCB	37.87	2.18E+06	1.26 Y	0.96	0.88	-8.2%
PCB-159 233'455'-HxCB	38.71	1.26E+06	1.20 Y	1.08	1.01	-6.2%
PCB-162 233'4'55'-HxCB	38.95	1.26E+06	1.24 Y	1.05	1.02	-3.2%
PCB-188 22'34'566'-HpCB	34.59	1.81E+06	1.02 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	1.63E+06	1.00 Y	0.81	0.74	-9.4%
PCB-184 22'344'66'-HpCB	35.34	1.64E+06	1.11 Y	0.78	0.74	-6.1%
PCB-176 22'33'466'-HpCB	35.62	1.82E+06	1.03 Y	0.86	0.82	-4.7%
PCB-186 22'34566'-HpCB	36.02	1.64E+06	0.99 Y	0.81	0.74	-8.8%
PCB-178 22'33'55'6-HpCB	37.18	1.14E+06	1.08 Y	0.57	0.51	-9.7%
PCB-175 22'33'45'6-HpCB	37.73	1.19E+06	1.05 Y	0.99	0.97	-1.5%
PCB-187 22'34'55'6-HpCB	37.96	1.25E+06	1.06 Y	1.05	1.02	-3.2%
PCB-182 22'344'56'-HpCB	38.14	1.32E+06	1.05 Y	1.10	1.08	-2.4%
PCB-183 22'344'5'6-HpCB	38.49	1.35E+06	1.01 Y	1.14	1.10	-3.0%
PCB-185 22'3455'6-HpCB	38.57	1.14E+06	1.16 Y	0.99	0.93	-6.4%
PCB-174 22'33'456'-HpCB	38.68	1.08E+06	1.03 Y	0.90	0.88	-2.2%
PCB-177 22'33'45'6'-HpCB	39.06	1.03E+06	1.05 Y	0.85	0.84	-0.4%
PCB-181 22'344'56'-HpCB	39.41	1.17E+06	1.09 Y	0.98	0.95	-2.5%
PCB-171/173 ...-HpCB	39.59	2.02E+06	0.98 Y	0.87	0.83	-5.2%
PCB-172 22'33'455'-HpCB	40.97	1.05E+06	1.03 Y	0.87	0.86	-1.6%
PCB-192 233'455'6-HpCB	41.22	1.28E+06	1.02 Y	1.12	1.04	-6.8%
PCB-180/193 ...-HpCB	41.50	2.53E+06	1.06 Y	1.08	1.03	-4.2%
PCB-191 233'44'5'6-HpCB	41.84	1.32E+06	1.01 Y	1.15	1.08	-6.1%
PCB-170 22'33'44'5-HpCB	42.61	9.85E+05	1.08 Y	0.99	0.97	-2.3%
PCB-190 233'44'56-HpCB	43.07	1.24E+06	1.02 Y	1.33	1.22	-8.2%
PCB-202 22'33'55'66'-OcCB	39.17	1.48E+06	0.88 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	1.60E+06	0.84 Y	0.95	0.88	-7.9%
PCB-204 22'344'566'-OcCB	40.55	1.53E+06	0.85 Y	0.89	0.84	-6.0%
PCB-197 22'33'44'66'-OcCB	40.75	1.65E+06	0.84 Y	0.95	0.90	-4.9%
PCB-200 22'33'4566'-OcCB	40.83	1.41E+06	0.90 Y	0.87	0.77	-10.9%
PCB-198/199 ...-OcCB	43.20	1.98E+06	0.87 Y	0.60	0.54	-10.1%
PCB-196 22'33'44'56'-OcCB	43.79	1.07E+06	0.88 Y	0.63	0.59	-7.3%
PCB-203 22'344'55'6-OcCB	43.96	1.08E+06	0.91 Y	0.64	0.59	-6.9%
PCB-195 22'33'44'56-OcCB	45.09	7.57E+05	0.87 Y	0.82	0.77	-6.2%
PCB-194 22'33'44'55'-OcCB	47.10	8.09E+05	0.90 Y	0.90	0.82	-8.6%
PCB-205 233'44'55'6-OcCB	47.51	1.01E+06	0.99 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	1.26E+06	0.75 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.71	1.29E+06	0.78 Y	1.01	0.94	-6.1%
PCB-206 22'33'44'55'6-NoCB	49.03	8.19E+05	0.76 Y	0.85	-	-

SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

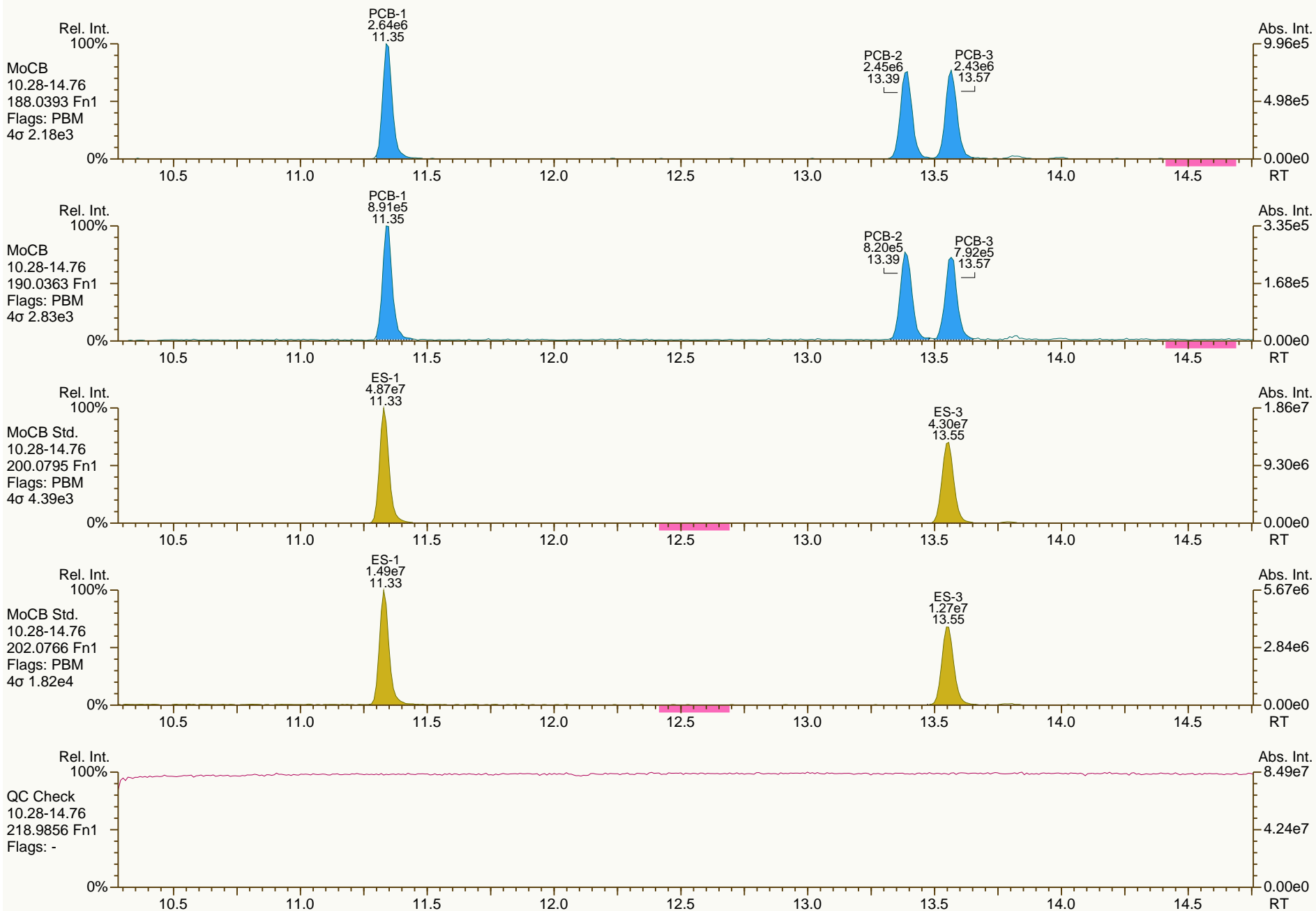
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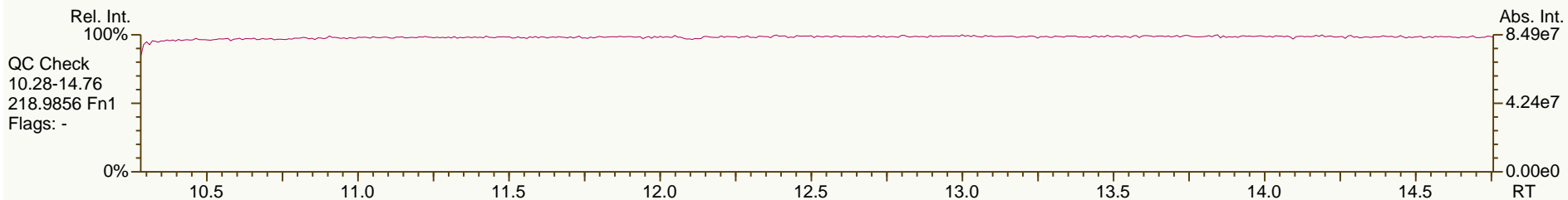
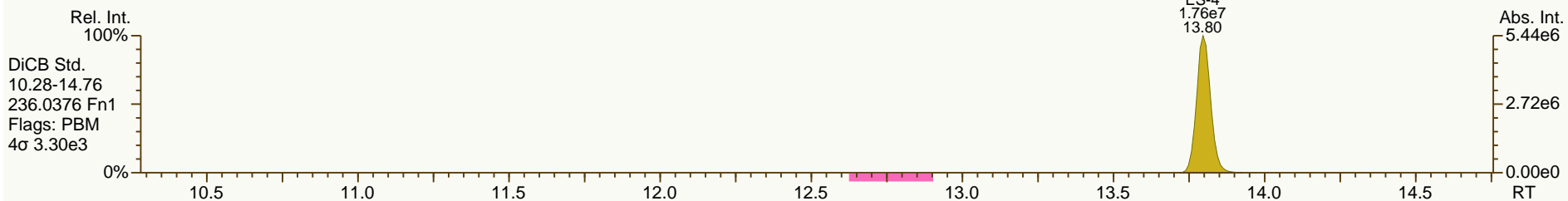
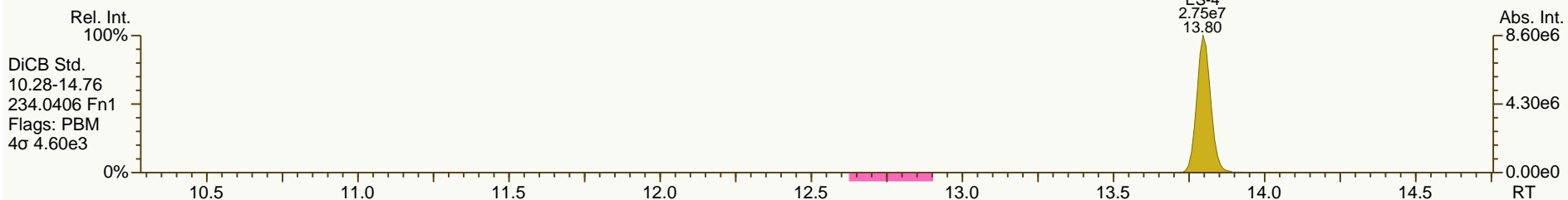
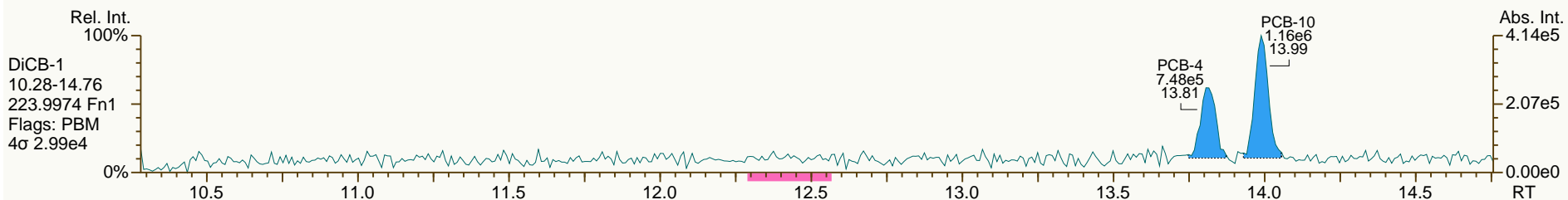
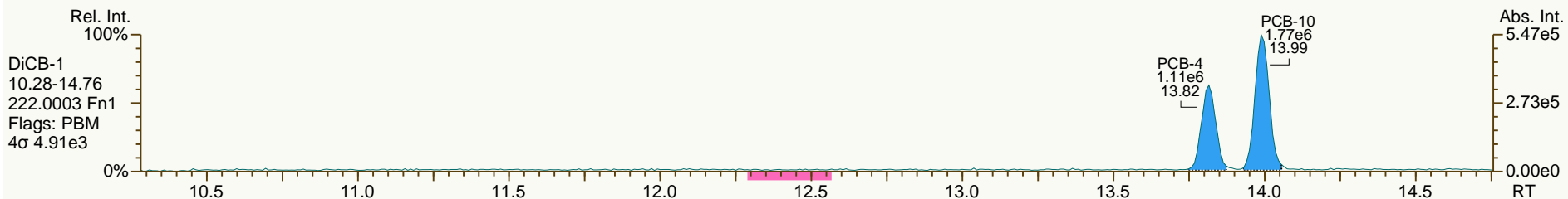
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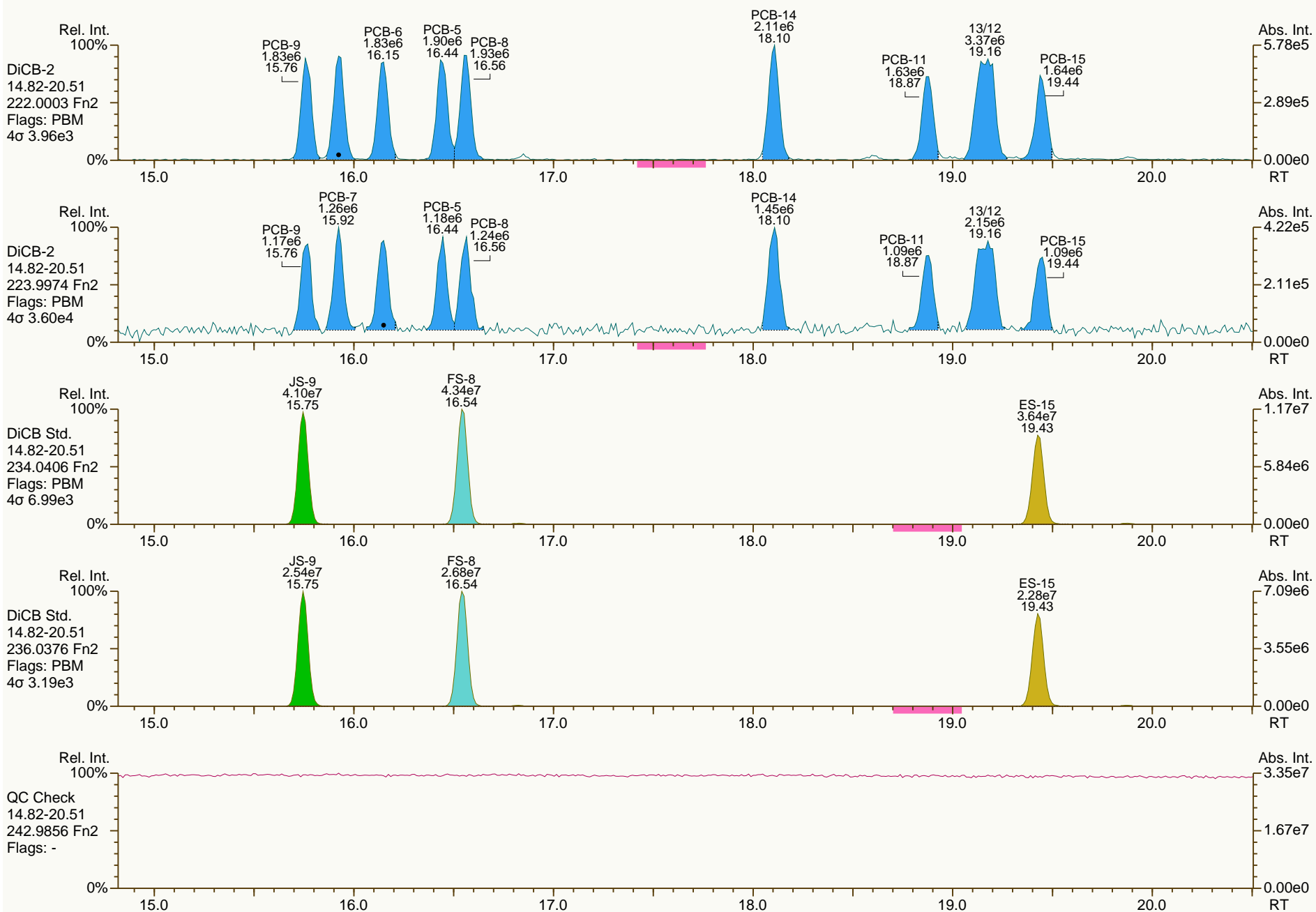
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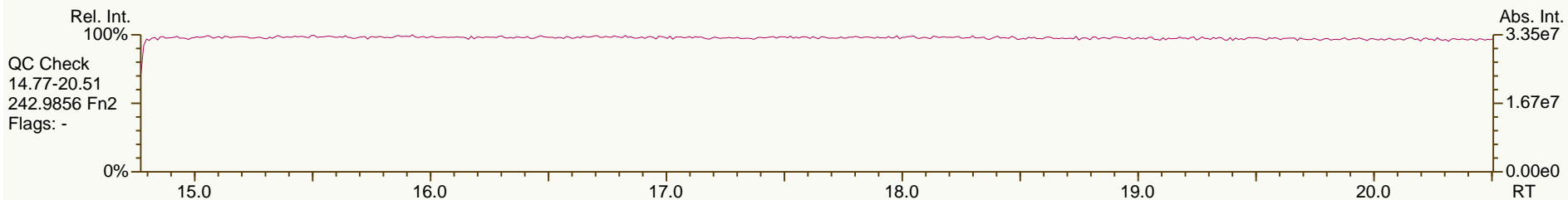
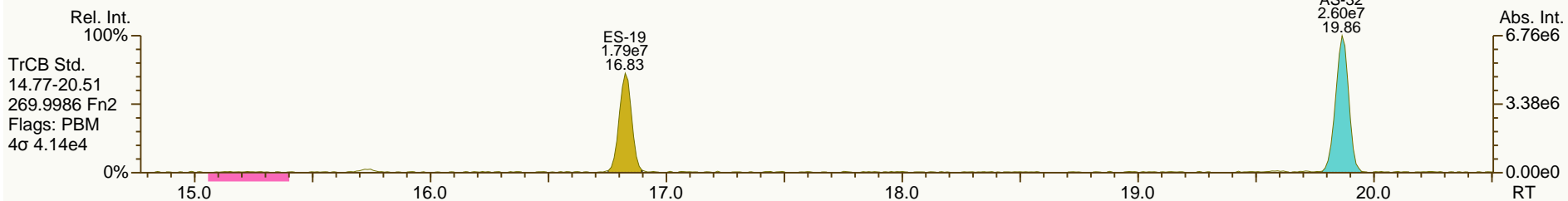
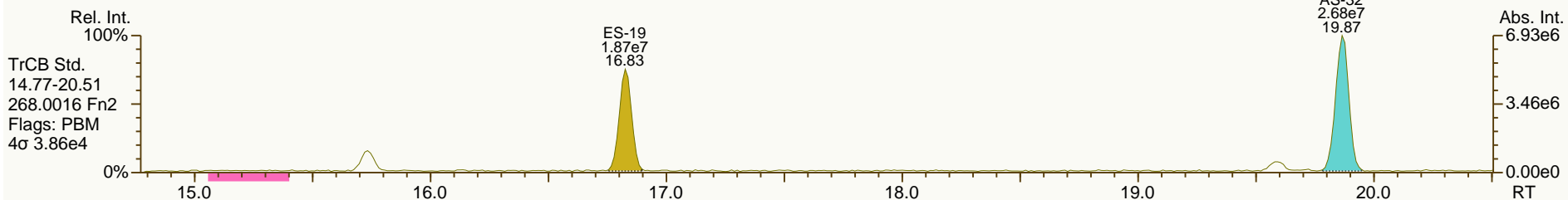
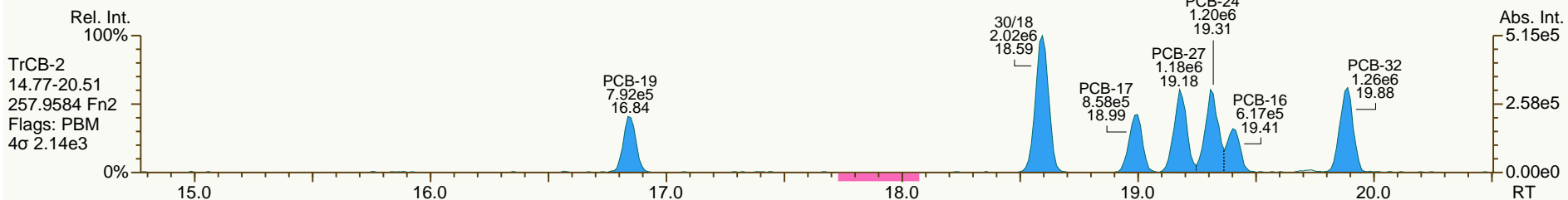
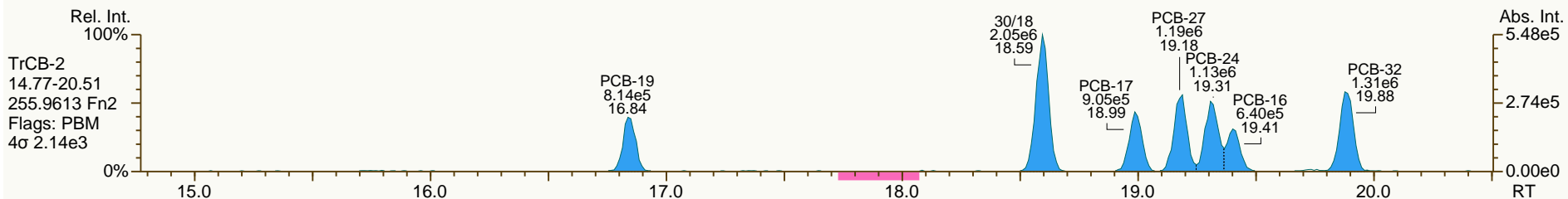
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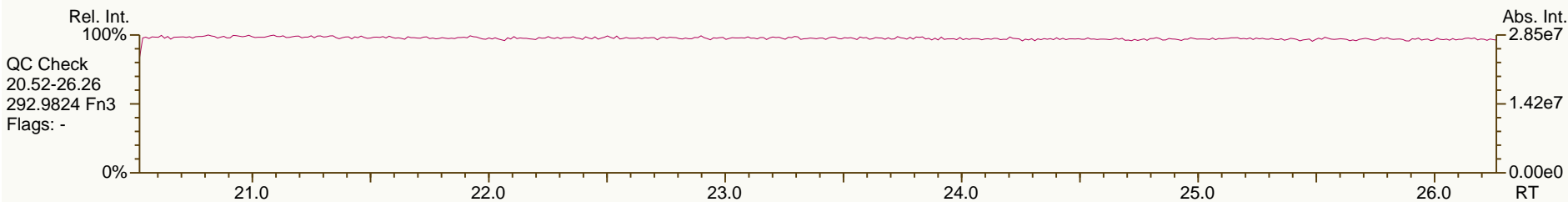
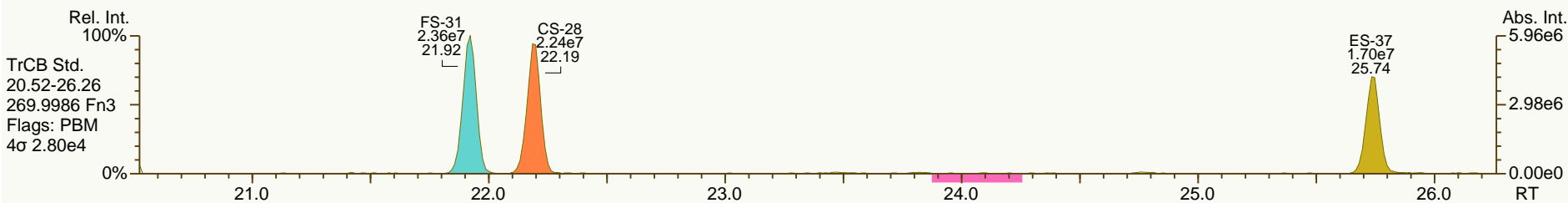
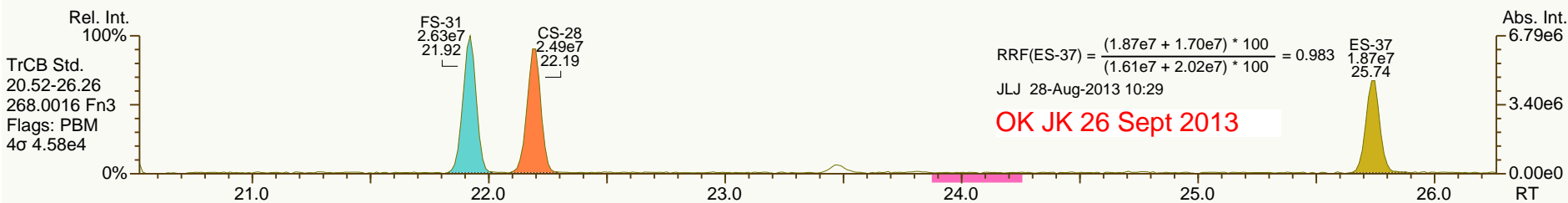
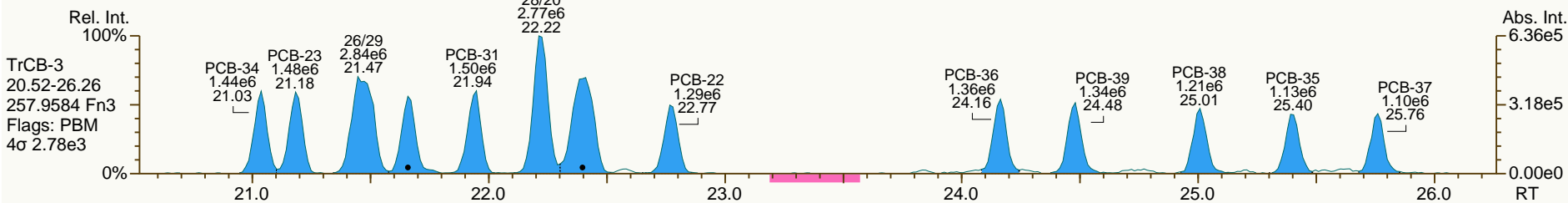
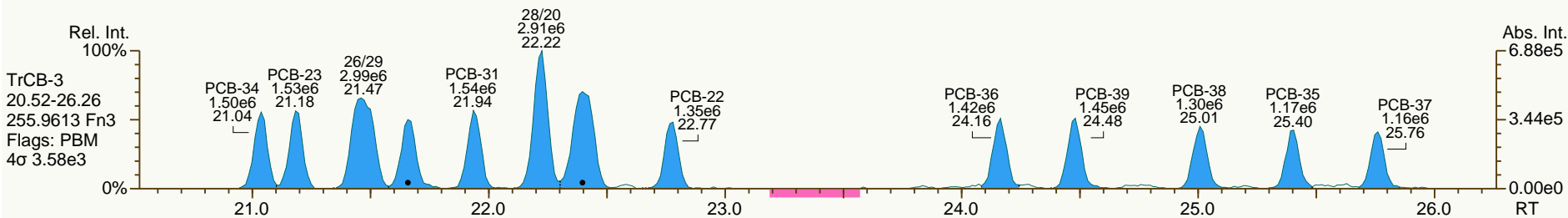
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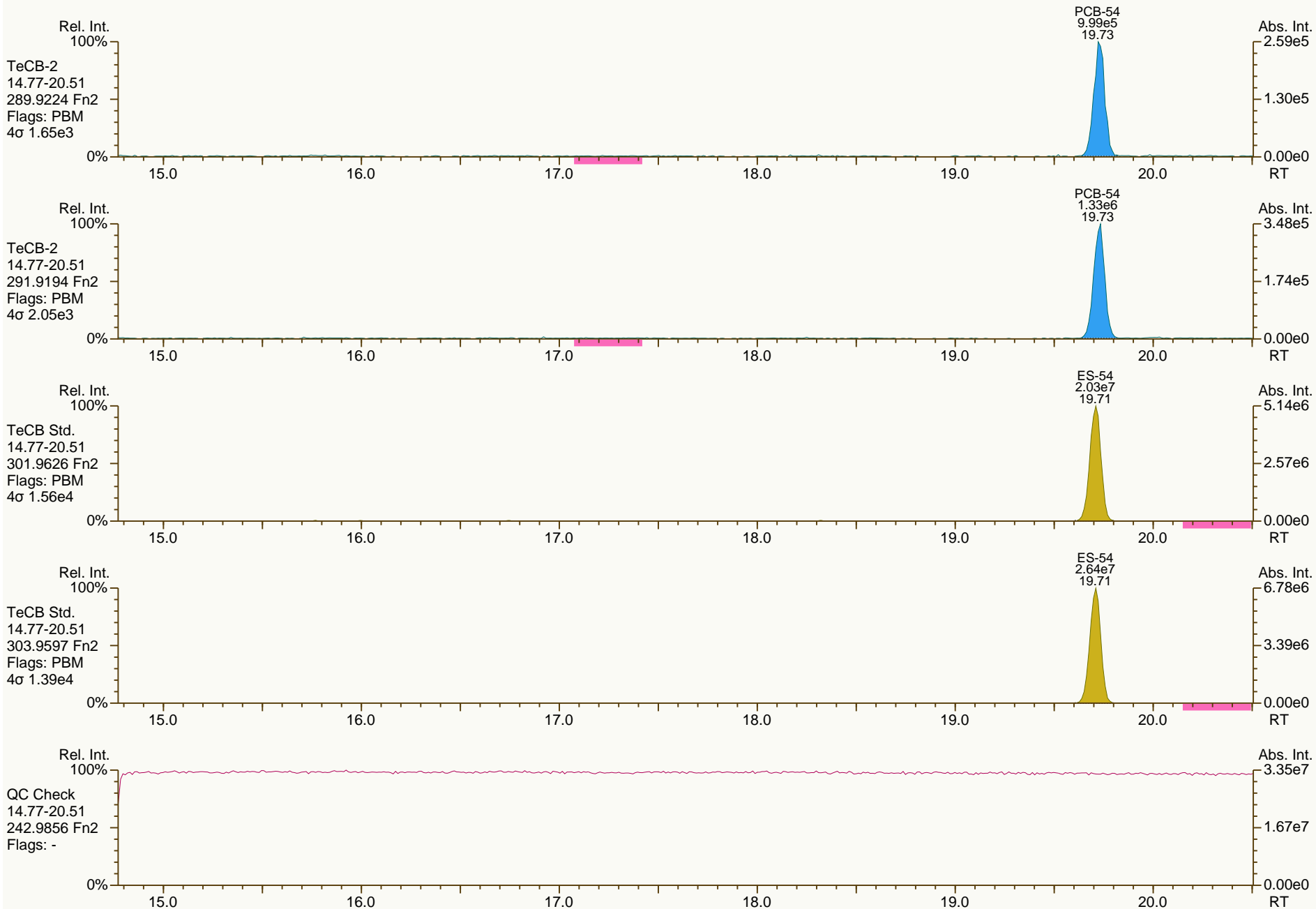
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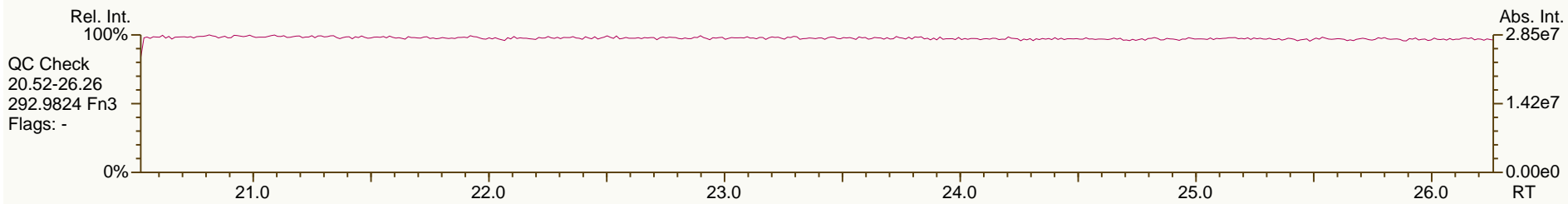
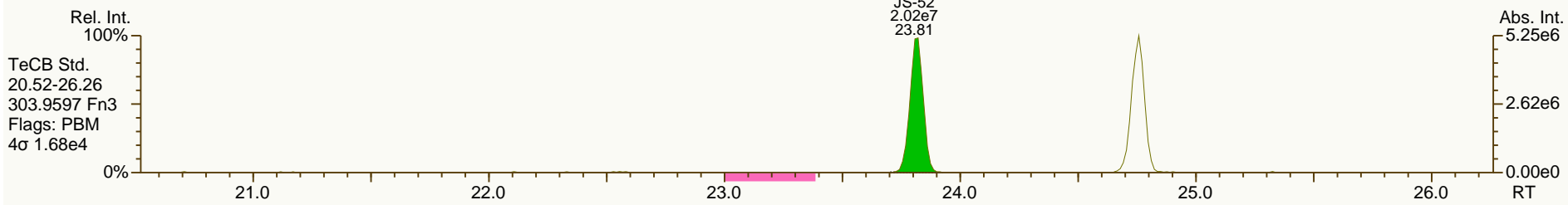
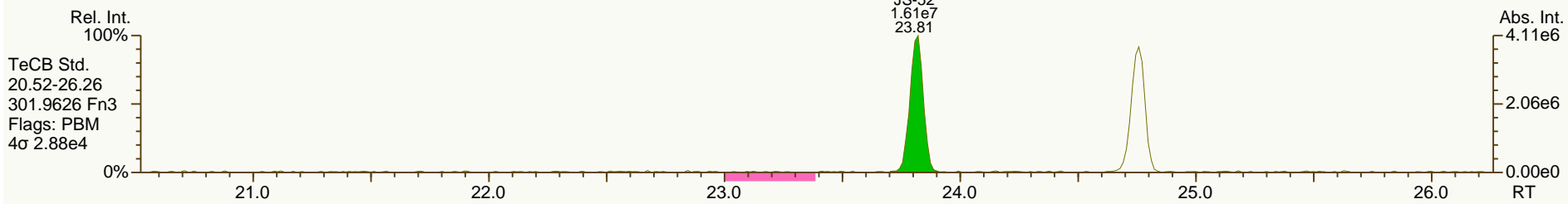
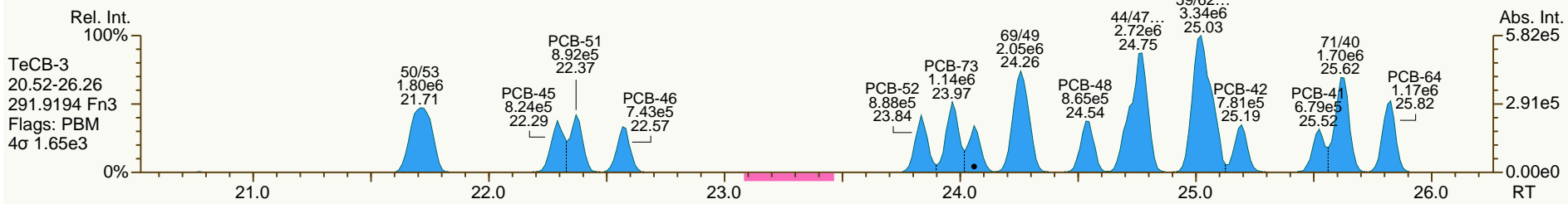
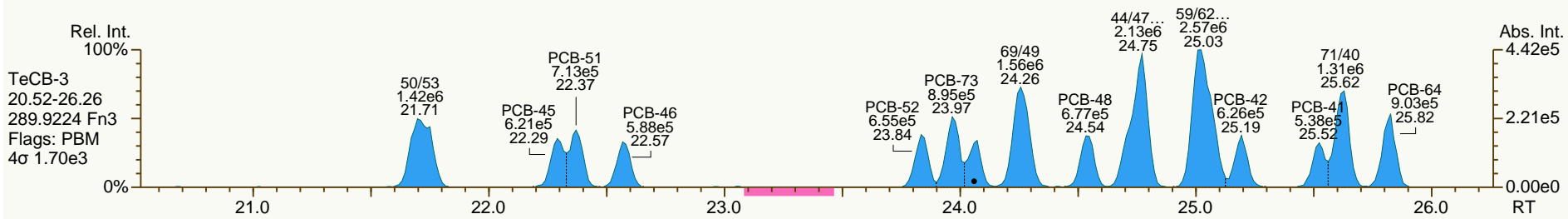
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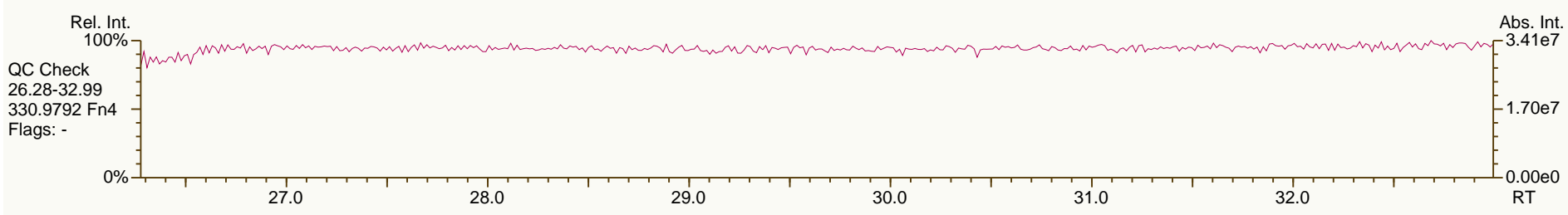
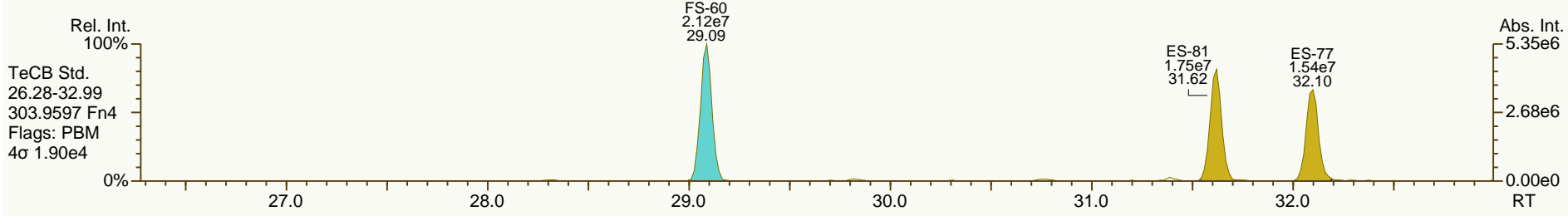
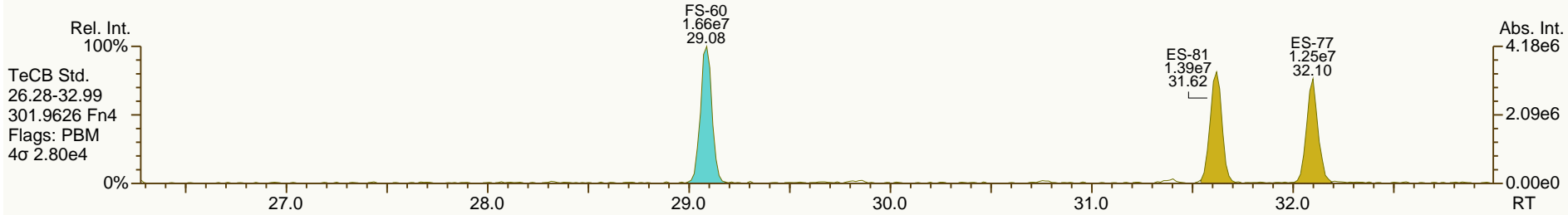
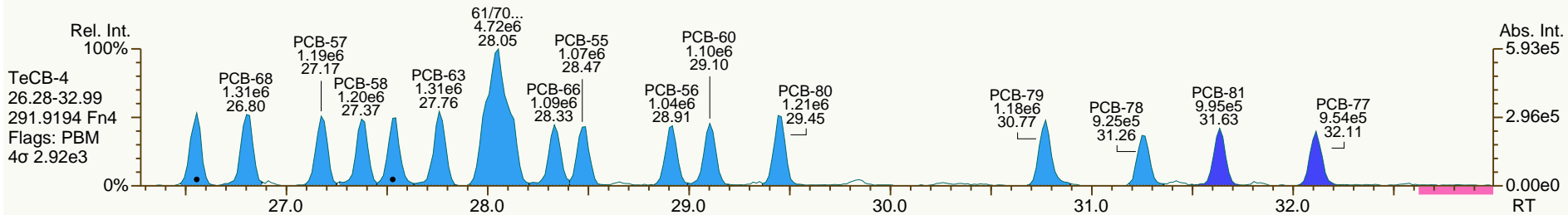
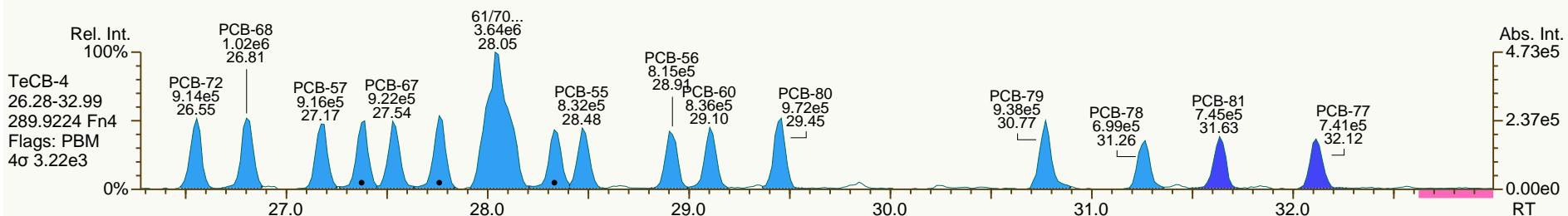
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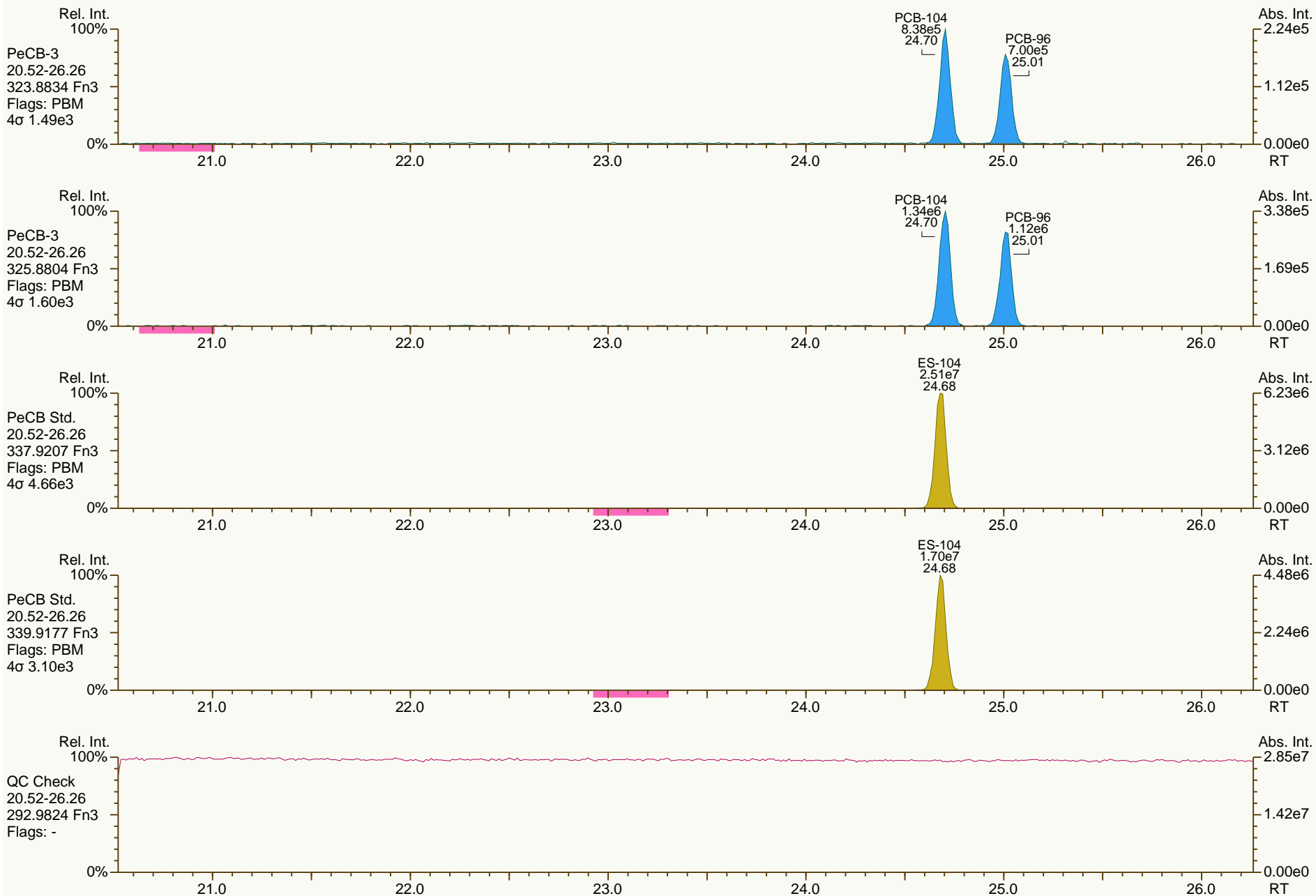
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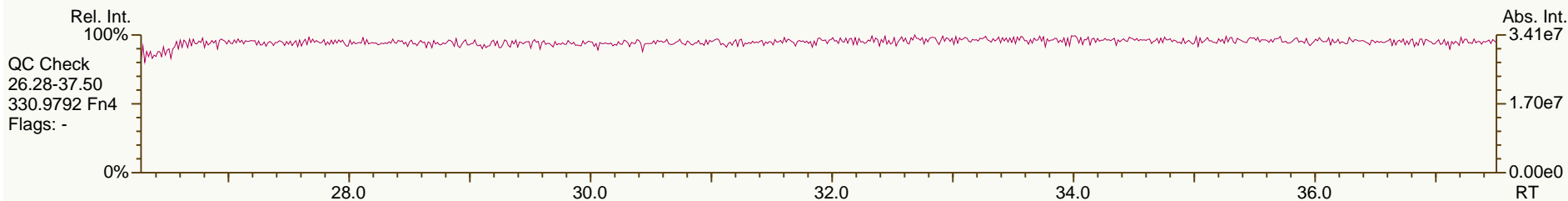
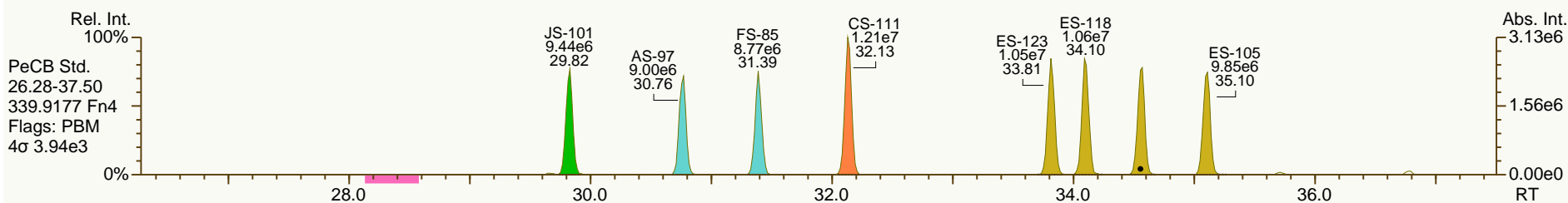
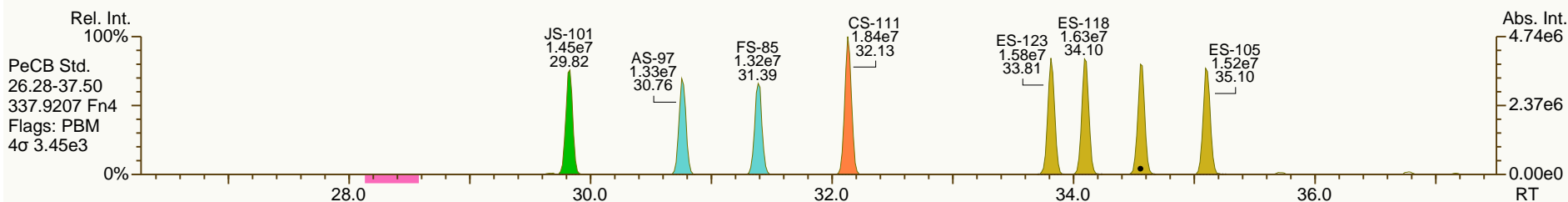
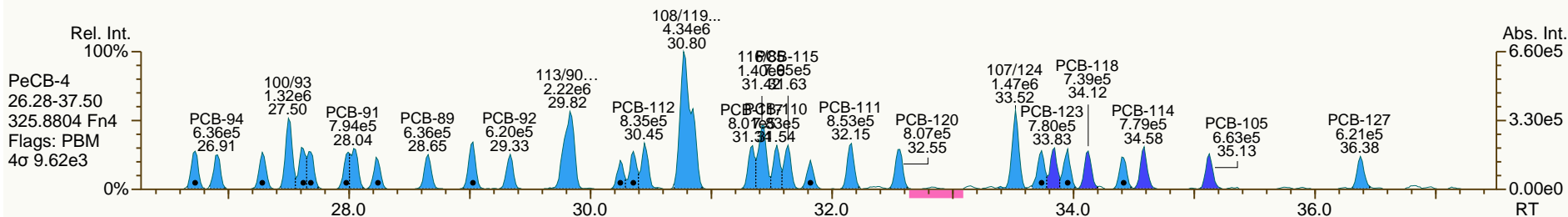
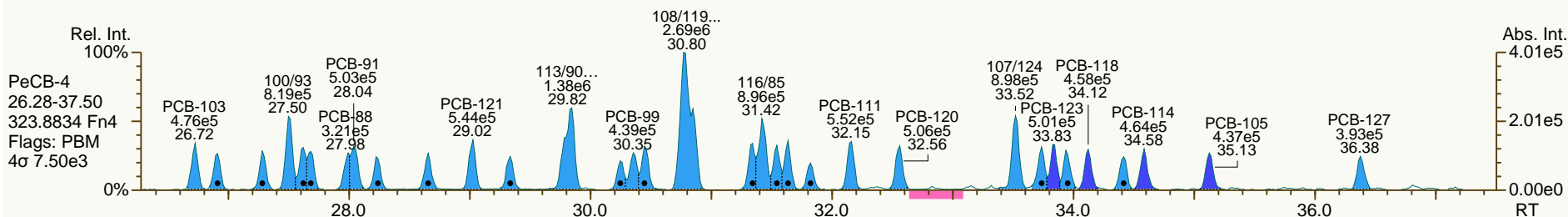
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Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
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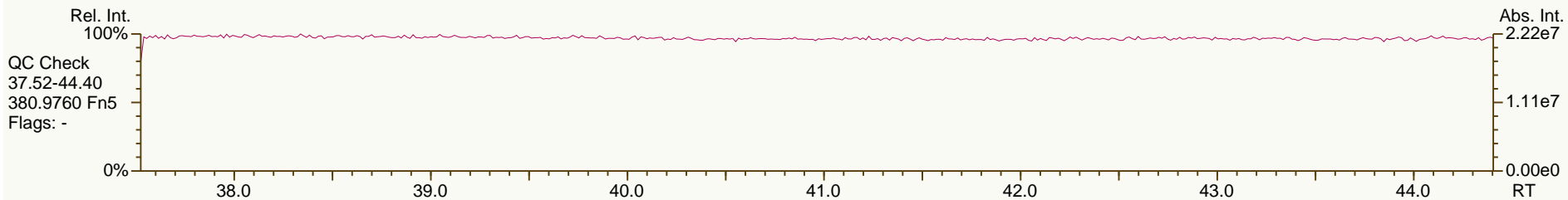
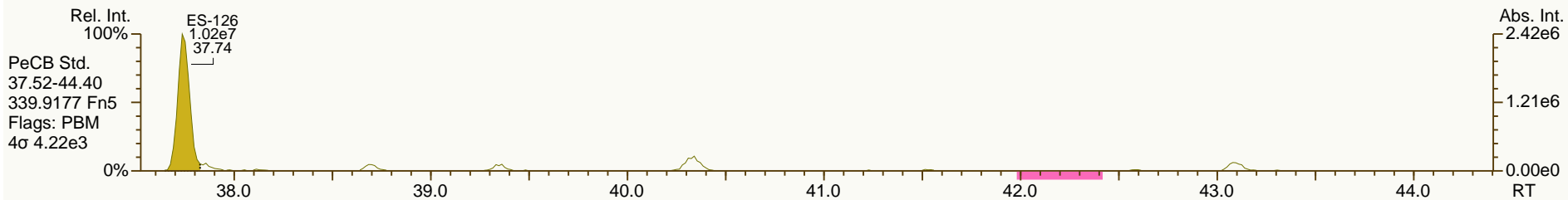
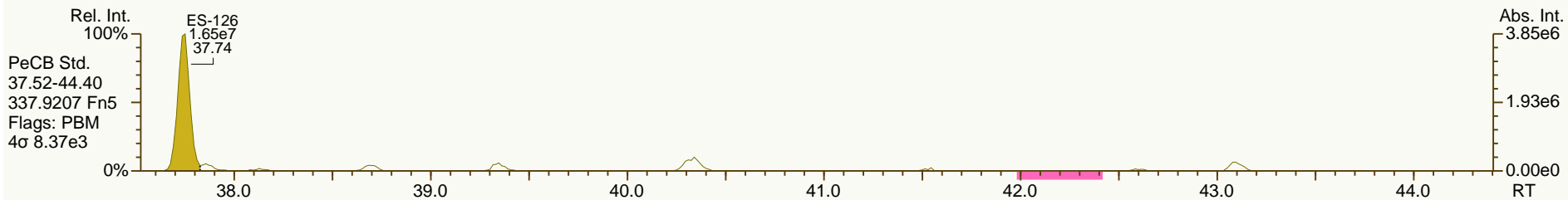
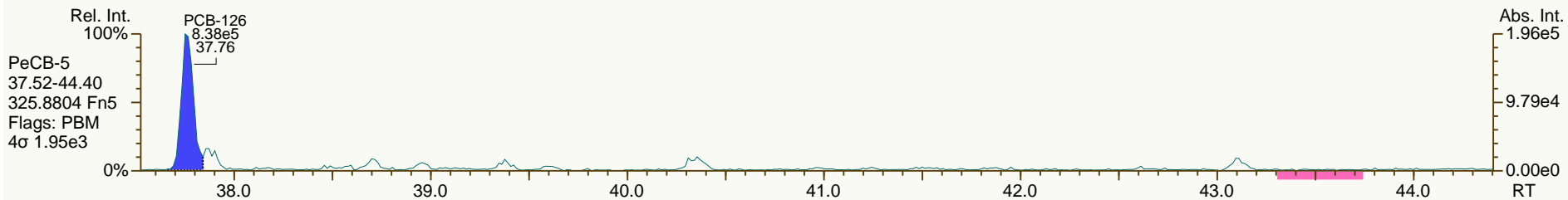
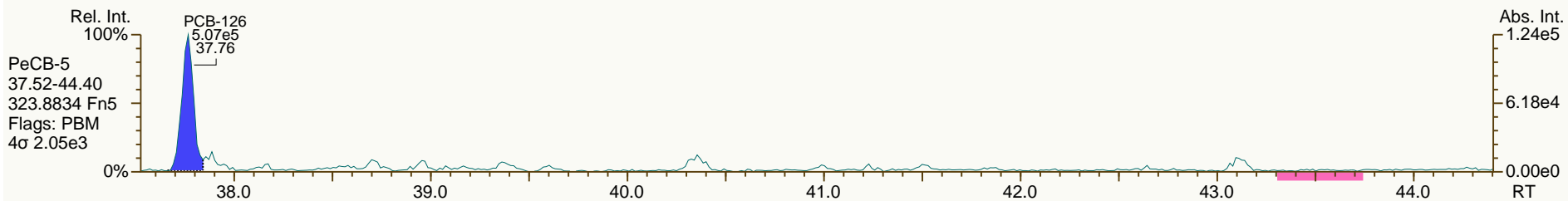
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SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

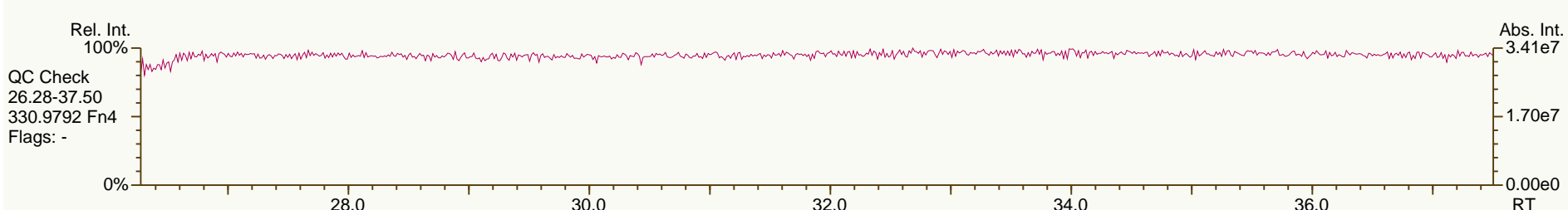
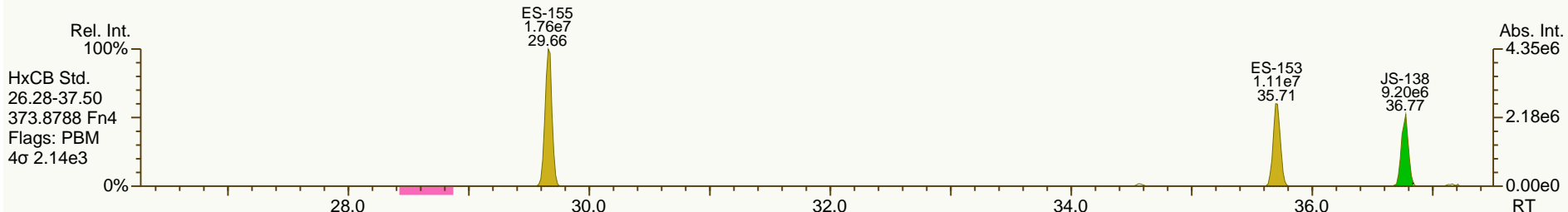
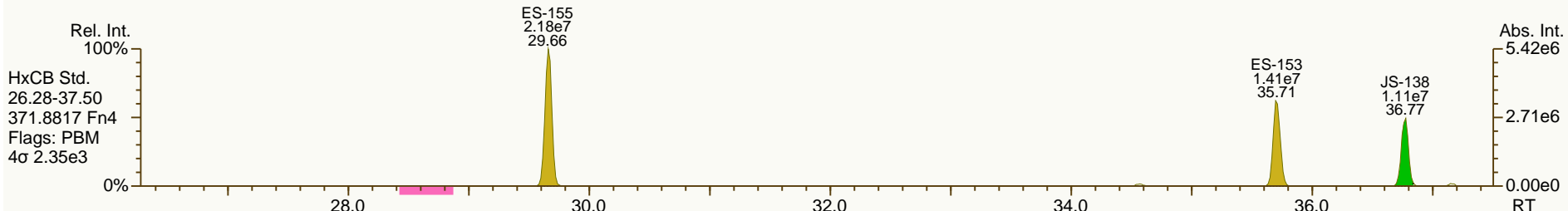
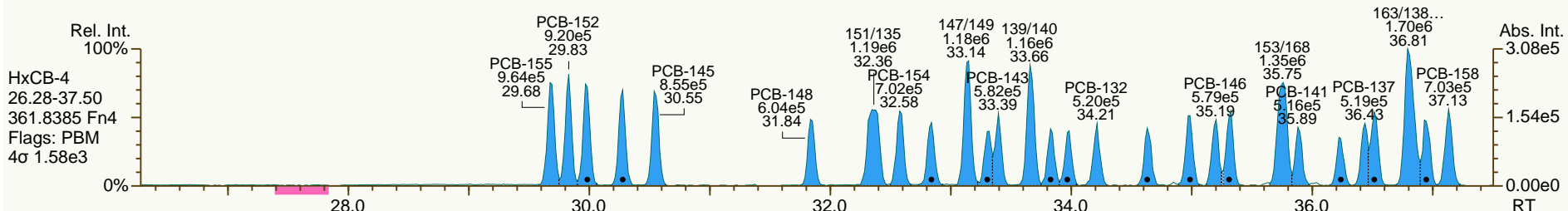
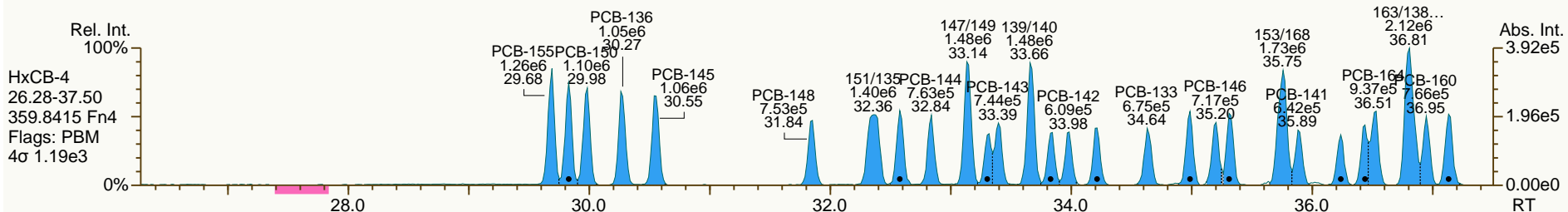
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Sample ID: SIL 13-40-4
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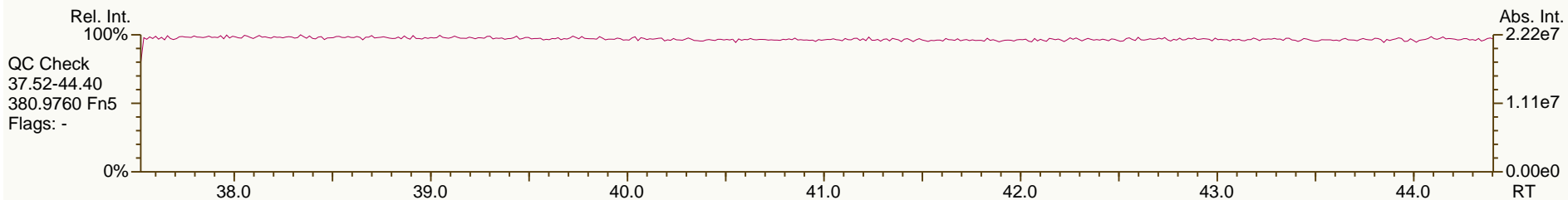
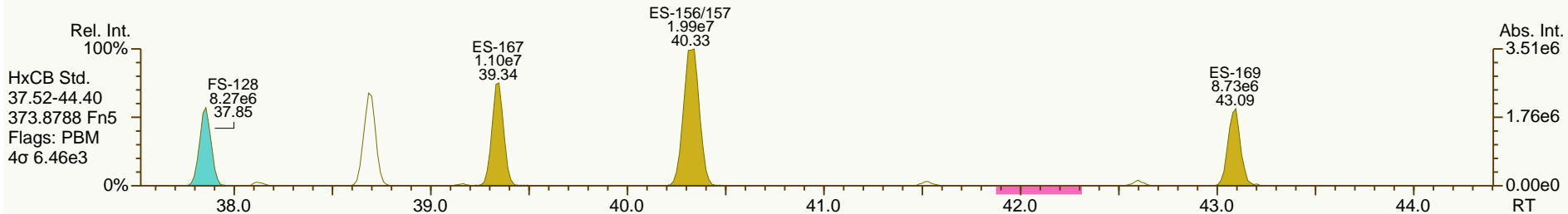
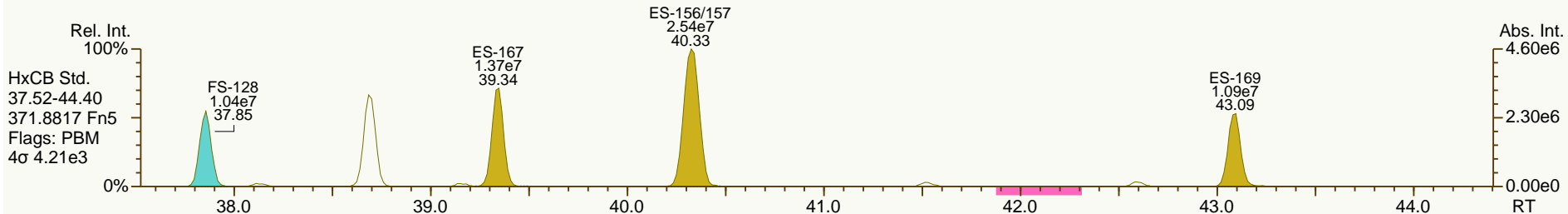
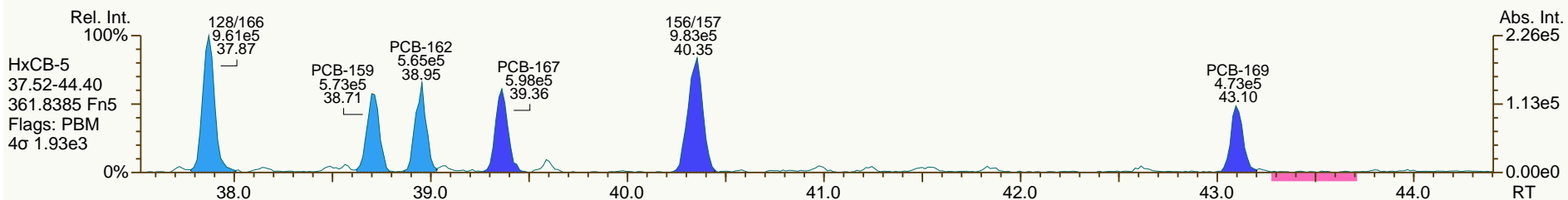
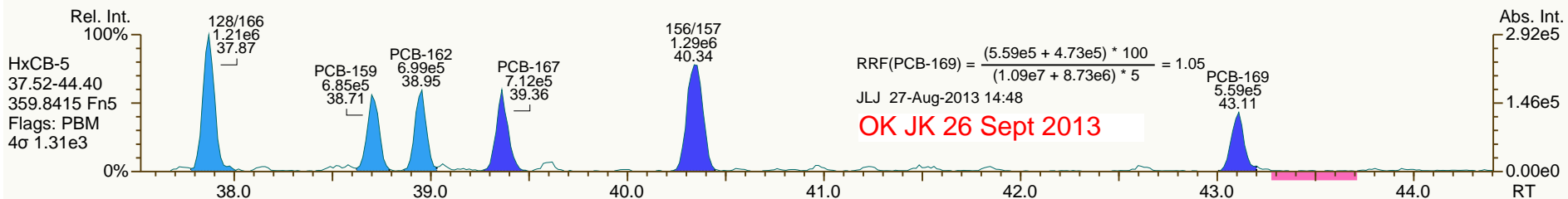
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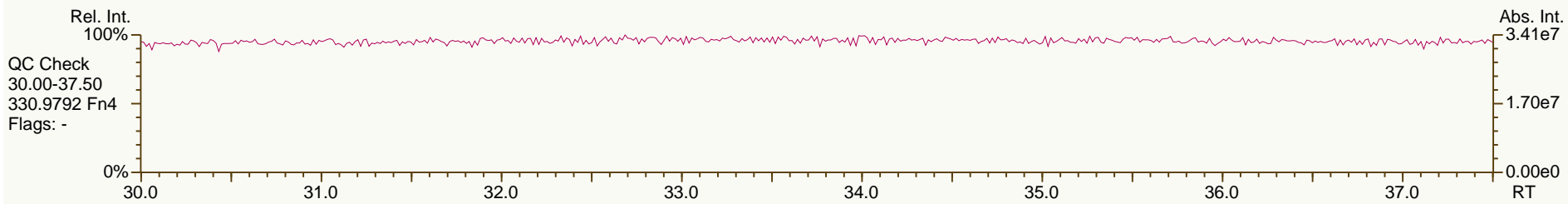
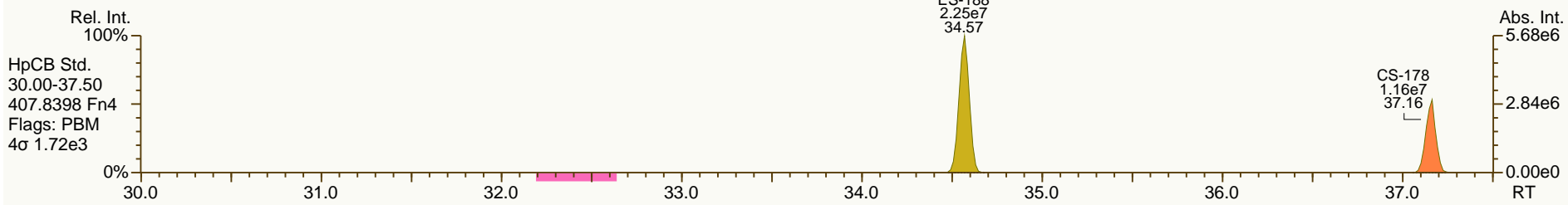
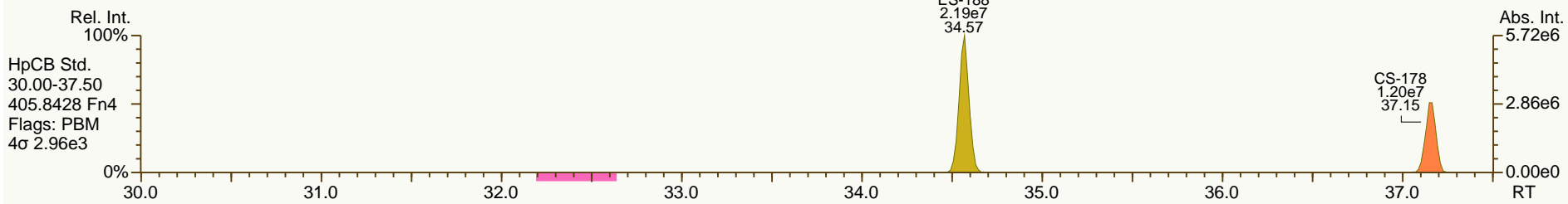
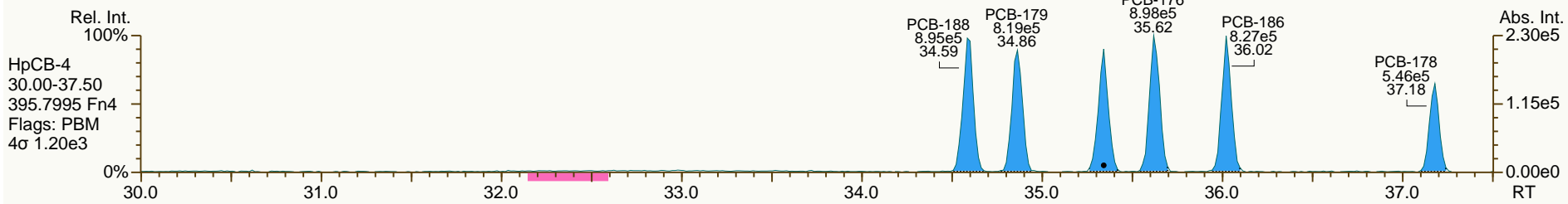
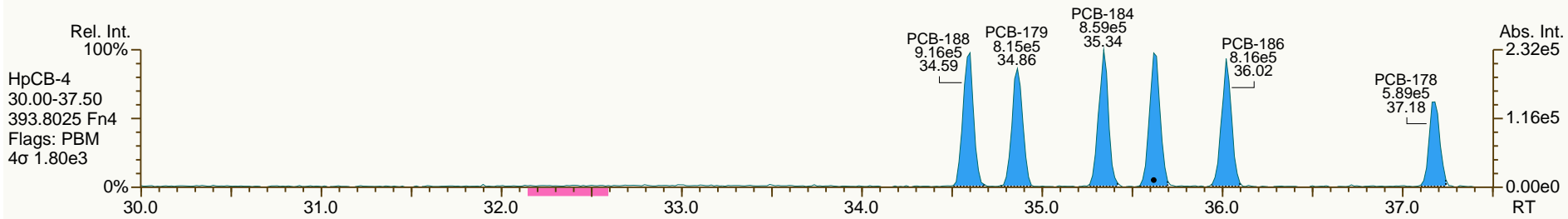
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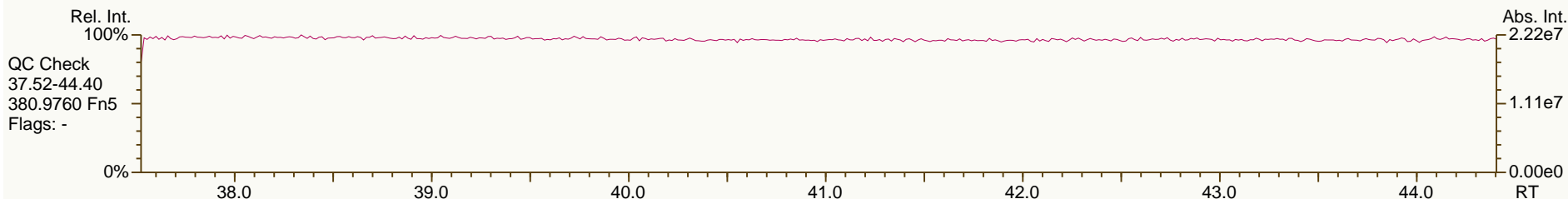
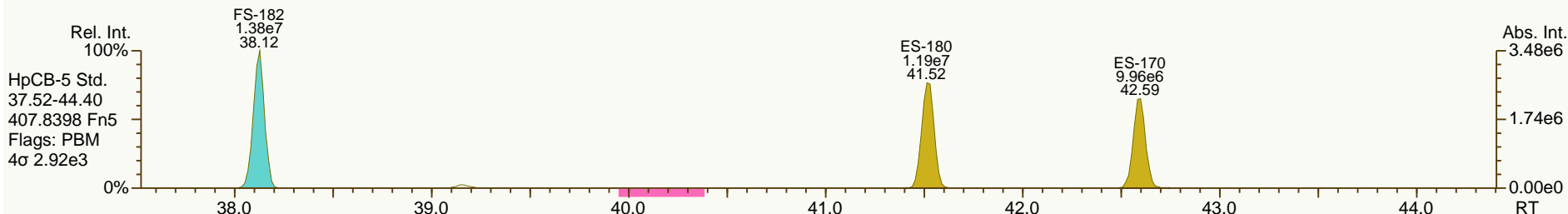
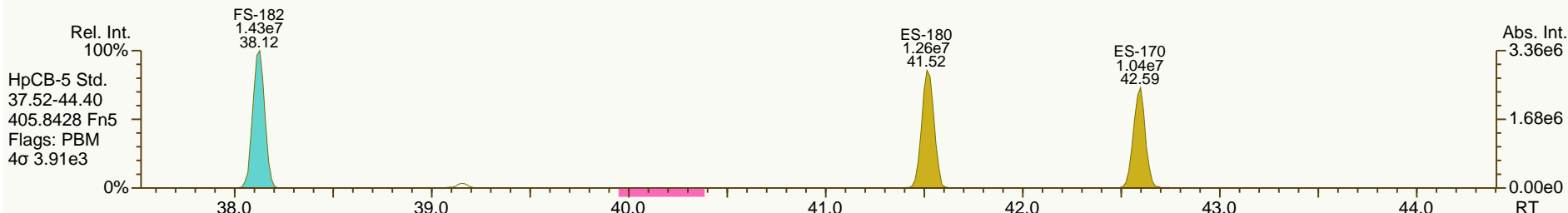
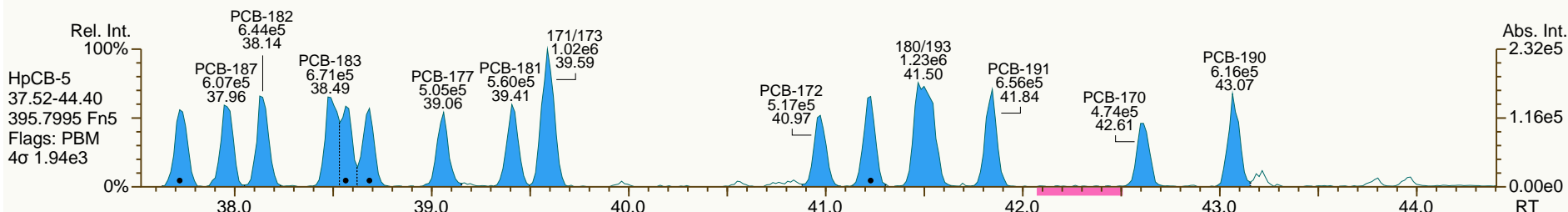
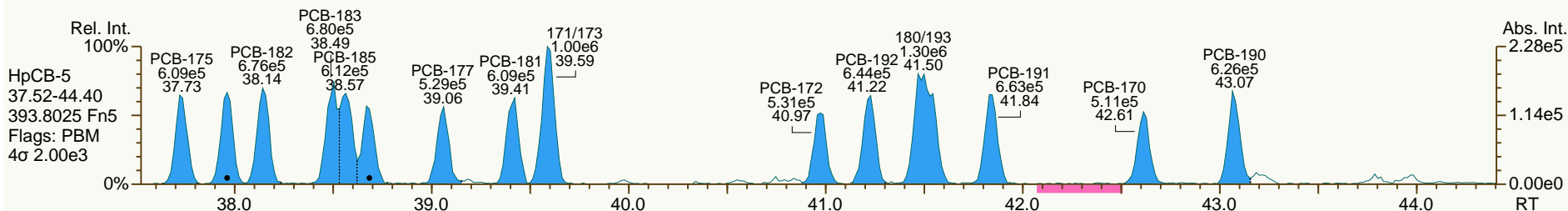
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 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

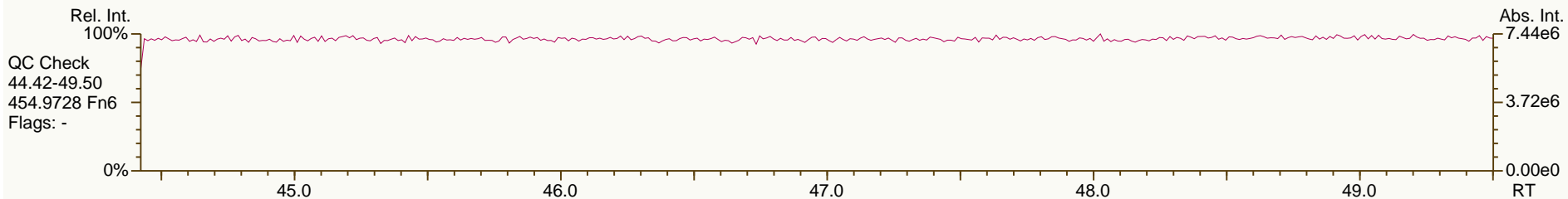
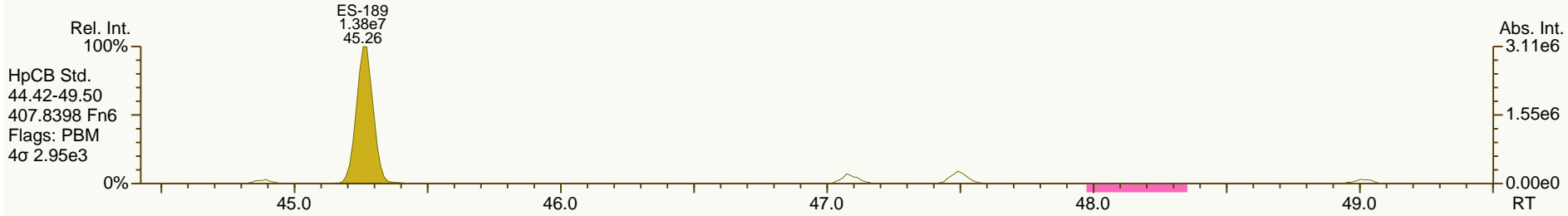
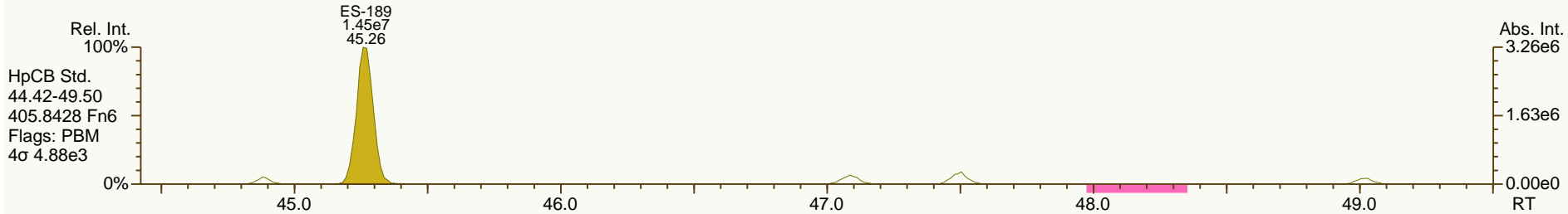
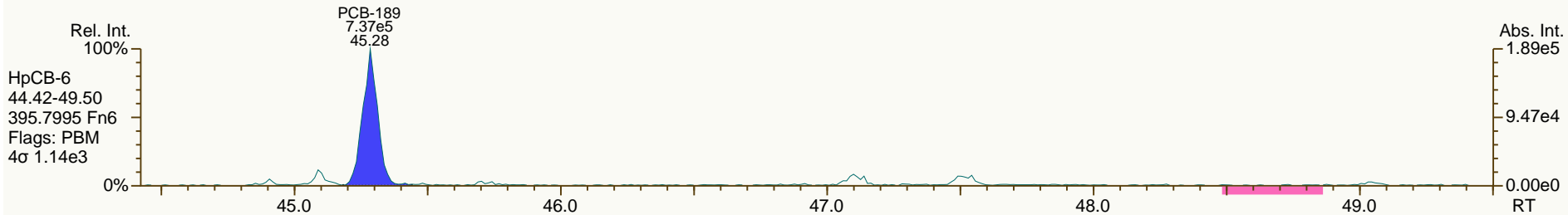
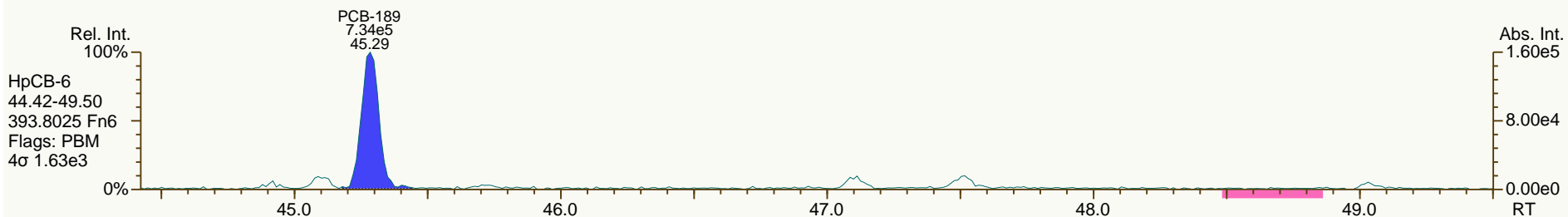
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 User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
 User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

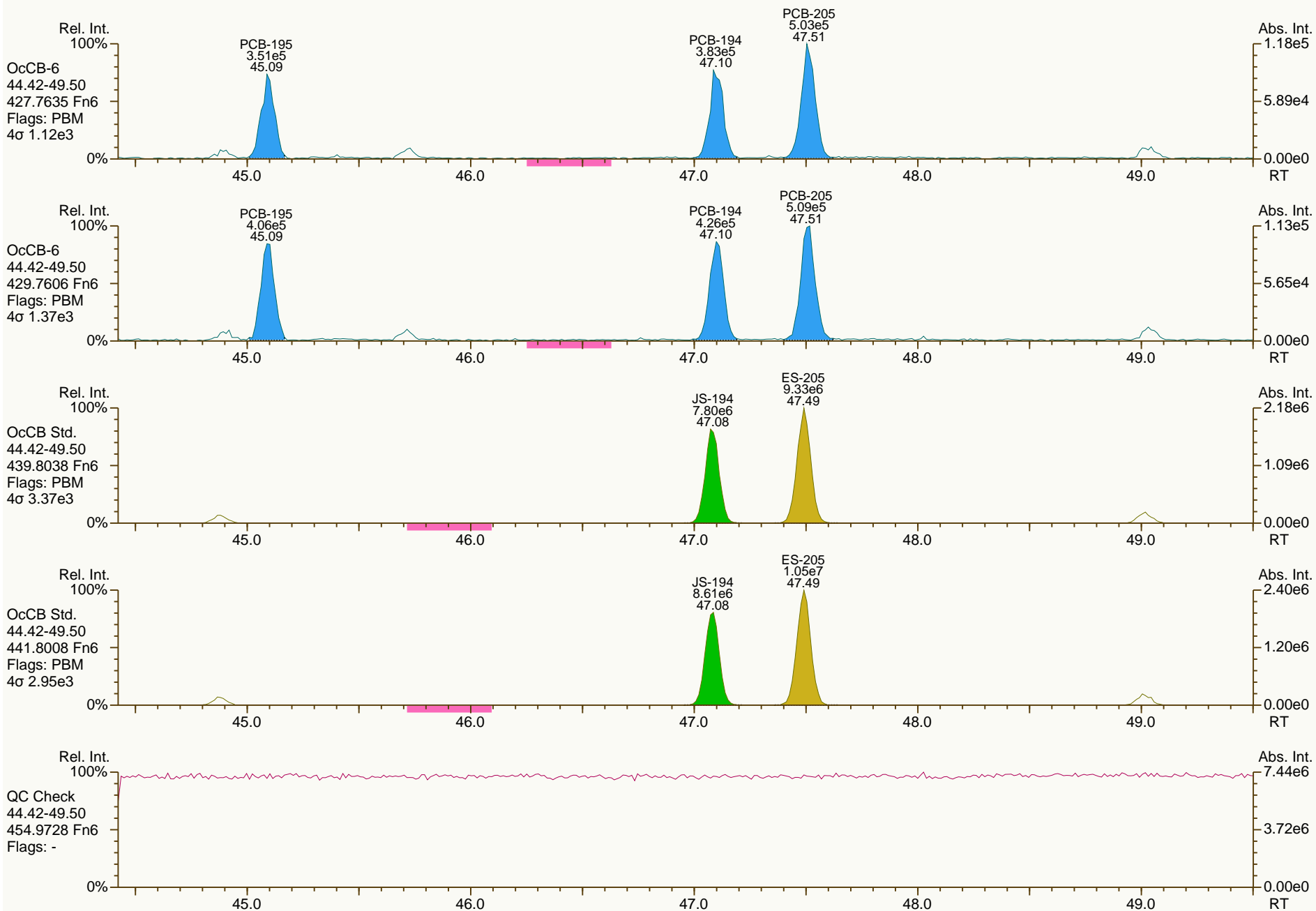
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User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

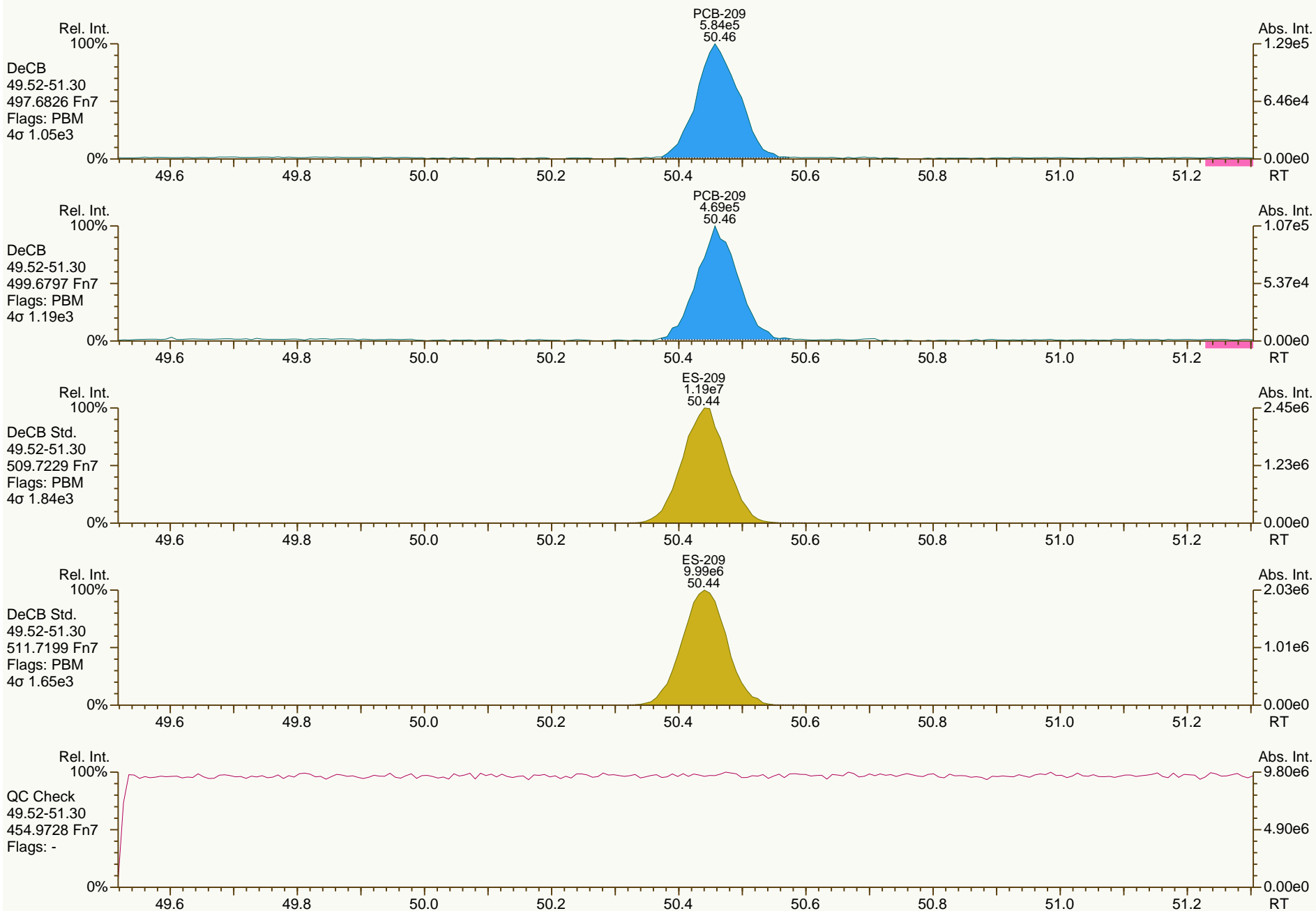
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 User: JLJ Datafile: 130826V06



SGS-AP ID: CS2_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-4
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 7

Acq: 26-Aug-2013 17:51:34
 User: JLJ Datafile: 130826V06



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS3_130826_PCB_VA						
Acquired:	26-AUG-2013 18:46			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.10	5.34E+07	0.76 Y	1.37	1.37	0.4%	
PCB-81 344'5'-TeCB	31.62	5.54E+07	0.77 Y	1.20	1.22	1.8%	
PCB-105 233'44'-PeCB	35.11	3.40E+07	0.62 Y	0.97	0.98	0.3%	
PCB-114 2344'5'-PeCB	34.57	3.90E+07	0.62 Y	1.06	1.08	1.7%	
PCB-118 23'44'5'-PeCB	34.11	3.72E+07	0.61 Y	1.00	1.02	1.7%	
PCB-123 23'44'5'-PeCB	33.82	3.88E+07	0.61 Y	1.08	1.10	2.1%	
PCB-126 33'44'5'-PeCB	37.75	4.20E+07	0.63 Y	1.08	1.09	1.0%	
PCB-156/157 ...-HxCB	40.34	6.99E+07	1.24 Y	1.07	1.10	2.8%	
PCB-167 23'44'55'-HxCB	39.35	3.91E+07	1.24 Y	1.11	1.14	2.0%	
PCB-169 33'44'55'-HxCB	43.10	3.34E+07	1.26 Y	1.15	1.17	2.0%	
PCB-189 233'44'55'-HpCB	45.28	4.34E+07	1.04 Y	1.10	1.10	0.2%	
PCB-209 DeCB	50.47	3.04E+07	1.18 Y	1.04	1.06	2.2%	
ES PCB-1	11.32	1.67E+08	3.25 Y	0.95	0.95	0.1%	
ES PCB-3	13.54	1.50E+08	3.34 Y	0.85	0.85	-0.5%	
ES PCB-4	13.79	1.19E+08	1.55 Y	0.67	0.67	0.9%	
ES PCB-15	19.42	1.66E+08	1.60 Y	0.94	0.94	0.3%	
ES PCB-19	16.82	9.61E+07	1.04 Y	0.54	0.55	0.3%	
ES PCB-37	25.73	1.01E+08	1.12 Y	1.08	1.07	-0.4%	
ES PCB-54	19.70	1.22E+08	0.77 Y	1.27	1.30	2.2%	
ES PCB-77	32.08	7.77E+07	0.78 Y	0.84	0.83	-1.6%	
ES PCB-81	31.60	9.05E+07	0.78 Y	0.98	0.96	-1.9%	
ES PCB-104	24.67	1.11E+08	1.57 Y	1.69	1.71	1.6%	
ES PCB-105	35.09	6.96E+07	1.50 Y	1.08	1.08	0.2%	
ES PCB-114	34.55	7.22E+07	1.52 Y	1.11	1.12	1.0%	
ES PCB-118	34.09	7.28E+07	1.52 Y	1.13	1.13	0.1%	
ES PCB-123	33.80	7.06E+07	1.49 Y	1.10	1.09	-0.7%	
ES PCB-126	37.73	7.67E+07	1.59 Y	1.17	1.19	1.3%	
ES PCB-153	35.69	6.82E+07	1.25 Y	1.19	1.21	1.6%	
ES PCB-155	29.65	1.04E+08	1.22 Y	1.80	1.84	2.0%	
ES PCB-156/157	40.32	1.27E+08	1.27 Y	1.13	1.13	0.1%	
ES PCB-167	39.33	6.88E+07	1.25 Y	1.20	1.22	1.6%	
ES PCB-169	43.08	5.70E+07	1.28 Y	1.00	1.01	1.4%	
ES PCB-170	42.58	5.50E+07	1.05 Y	1.24	1.25	0.5%	
ES PCB-180	41.51	6.71E+07	1.04 Y	1.51	1.52	1.1%	
ES PCB-188	34.55	1.17E+08	1.01 Y	2.06	2.08	0.9%	
ES PCB-189	45.26	7.89E+07	1.05 Y	1.78	1.79	0.5%	
ES PCB-202	39.14	9.36E+07	0.89 Y	1.66	1.66	0.2%	
ES PCB-205	47.49	5.36E+07	0.90 Y	1.22	1.22	0.2%	
ES PCB-206	49.01	5.51E+07	0.78 Y	1.23	1.25	1.5%	
ES PCB-208	44.87	7.11E+07	0.79 Y	1.60	1.62	0.8%	
ES PCB-209	50.44	5.74E+07	1.18 Y	1.31	1.30	-0.4%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS3_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.18	1.27E+08	1.10 Y	1.25	1.26	0.4%	
SS PCB-111	32.12	8.06E+07	1.49 Y	1.15	1.14	-0.9%	
SS PCB-178	37.14	6.09E+07	1.01 Y	0.54	0.52	-3.4%	
CS PCB-28	22.18	1.27E+08	1.10 Y	1.34	1.35	0.3%	
CS PCB-111	32.12	8.06E+07	1.49 Y	1.27	1.25	-1.4%	
CS PCB-178	37.14	6.09E+07	1.01 Y	1.11	1.08	-2.4%	
JS PCB-9	15.73	1.76E+08	1.63 Y		-	-	
JS PCB-52	23.80	9.40E+07	0.80 Y		-	-	
JS PCB-101	29.81	6.46E+07	1.53 Y		-	-	
JS PCB-138	36.76	5.64E+07	1.27 Y		-	-	
JS PCB-194	47.08	4.40E+07	0.90 Y		-	-	
PCB-1 2-MoCB	11.33	1.03E+08	3.09 Y	1.19	1.23	3.0%	
PCB-3 4-MoCB	13.56	9.51E+07	3.07 Y	1.24	1.27	2.7%	
PCB-4 22'-DiCB	13.80	5.38E+07	1.56 Y	0.88	0.91	2.9%	
PCB-15 44'-DiCB	19.43	8.67E+07	1.54 Y	1.01	1.05	3.2%	
PCB-19 22'6'-TrCB	16.83	4.54E+07	1.04 Y	0.92	0.95	2.4%	
PCB-37 344'-TrCB	25.75	7.13E+07	1.04 Y	1.35	1.42	4.6%	
PCB-54 22'66'-TeCB	19.72	6.65E+07	0.81 Y	1.08	1.09	0.7%	
PCB-104 22'466'-PeCB	24.69	6.31E+07	0.64 Y	1.12	1.14	1.9%	
PCB-155 22'44'66'-HxCB	29.67	6.19E+07	1.24 Y	1.21	1.19	-1.1%	
PCB-188 22'34'566'-HpCB	34.58	5.34E+07	1.04 Y	0.91	0.91	0.5%	
PCB-202 22'33'55'66'-OcCB	39.16	4.17E+07	0.89 Y	0.86	0.89	3.4%	
PCB-205 233'44'55'6'-OcCB	47.51	2.95E+07	0.91 Y	1.09	1.10	0.8%	
PCB-208 22'33'455'66'-NoCB	44.89	3.56E+07	0.77 Y	1.00	1.00	0.5%	
PCB-206 22'33'44'55'6'-NoCB	49.03	2.34E+07	0.77 Y	0.85	0.85	-0.2%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS3_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.33	1.03E+08	3.09 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	9.62E+07	3.10 Y	1.25	1.29	2.5%	
PCB-3 4-MoCB	13.56	9.51E+07	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.80	5.38E+07	1.56 Y	0.88	-	-	
PCB-10 26-DiCB	13.98	8.49E+07	1.54 Y	1.40	1.43	2.1%	
PCB-9 25-DiCB	15.75	8.72E+07	1.56 Y	0.98	1.05	6.8%	
PCB-7 24-DiCB	15.91	9.59E+07	1.55 Y	1.12	1.16	3.1%	
PCB-6 23'-DiCB	16.13	9.04E+07	1.53 Y	1.04	1.09	4.5%	
PCB-5 23-DiCB	16.43	9.10E+07	1.54 Y	1.05	1.10	4.7%	
PCB-8 24'-DiCB	16.55	9.24E+07	1.53 Y	1.10	1.11	1.6%	
PCB-14 35-DiCB	18.09	1.04E+08	1.53 Y	1.24	1.25	0.9%	
PCB-11 33'-DiCB	18.86	8.35E+07	1.54 Y	1.01	1.01	-0.3%	
PCB-13/12 34'/34-DiCB	19.15	1.66E+08	1.53 Y	0.99	1.00	1.6%	
PCB-15 44'-DiCB	19.43	8.67E+07	1.54 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.83	4.54E+07	1.04 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.58	1.18E+08	1.04 Y	1.20	1.23	1.8%	
PCB-17 22'4-TrCB	18.98	5.09E+07	1.04 Y	1.04	1.06	2.3%	
PCB-27 23'6-TrCB	19.17	6.88E+07	1.04 Y	1.42	1.43	1.0%	
PCB-24 236-TrCB	19.30	6.66E+07	1.03 Y	1.35	1.39	2.9%	
PCB-16 22'3-TrCB	19.39	3.67E+07	1.04 Y	0.77	0.76	-0.6%	
PCB-32 24'6-TrCB	19.87	7.33E+07	1.04 Y	1.52	1.53	0.4%	
PCB-34 23'5'-TrCB	21.02	8.51E+07	1.06 Y	1.64	1.69	3.3%	
PCB-23 235-TrCB	21.17	8.64E+07	1.04 Y	1.65	1.72	3.8%	
PCB-26/29 23'5/245-TrCB	21.46	1.71E+08	1.05 Y	1.65	1.70	3.0%	
PCB-25 23'4-TrCB	21.65	8.57E+07	1.06 Y	1.64	1.70	3.7%	
PCB-31 24'5-TrCB	21.93	8.97E+07	1.06 Y	1.71	1.78	4.2%	
PCB-28/20 244'/233'-TrCB	22.21	1.67E+08	1.05 Y	1.60	1.66	3.6%	
PCB-21/33 234/23'4'-TrCB	22.39	1.72E+08	1.05 Y	1.64	1.70	3.6%	
PCB-22 234'-TrCB	22.76	7.71E+07	1.05 Y	1.49	1.53	2.6%	
PCB-36 33'5-TrCB	24.15	8.07E+07	1.06 Y	1.57	1.60	2.1%	
PCB-39 34'5-TrCB	24.47	8.28E+07	1.04 Y	1.61	1.64	2.2%	
PCB-38 345-TrCB	25.00	7.67E+07	1.06 Y	1.48	1.52	3.3%	
PCB-35 33'4-TrCB	25.39	6.68E+07	1.05 Y	1.30	1.33	1.7%	
PCB-37 344'-TrCB	25.75	7.13E+07	1.04 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	6.65E+07	0.81 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.70	9.34E+07	0.78 Y	0.98	1.03	5.2%	
PCB-45 22'36'-TeCB	22.28	4.01E+07	0.77 Y	0.85	0.89	3.9%	
PCB-51 22'46'-TeCB	22.36	4.72E+07	0.79 Y	0.98	1.04	6.5%	
PCB-46 22'36'-TeCB	22.56	3.73E+07	0.77 Y	0.79	0.83	4.2%	
PCB-52 22'55'-TeCB	23.83	4.41E+07	0.77 Y	0.94	0.98	3.8%	
PCB-73 23'5'6'-TeCB	23.96	5.79E+07	0.77 Y	1.23	1.28	4.0%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:43			
Lab ID:	CS3_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 18:46					
Datafile:	130826V07					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	3.74E+07	0.78 Y	0.78	0.83	5.6%
PCB-69/49 23'46/22'45'-TeCB	24.25	1.05E+08	0.78 Y	1.12	1.16	3.9%
PCB-48 22'45'-TeCB	24.53	4.39E+07	0.77 Y	0.95	0.97	2.3%
PCB-44/47/65 ...-TeCB	24.74	1.40E+08	0.78 Y	1.00	1.03	3.4%
PCB-59/62/75 ...-TeCB	25.02	1.78E+08	0.77 Y	1.25	1.31	5.0%
PCB-42 22'34'-TeCB	25.18	4.02E+07	0.78 Y	0.83	0.89	6.8%
PCB-41 22'34'-TeCB	25.51	3.53E+07	0.75 Y	0.75	0.78	3.4%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	8.82E+07	0.78 Y	0.94	0.98	3.3%
PCB-64 23'4'-TeCB	25.81	6.20E+07	0.77 Y	1.31	1.37	4.5%
PCB-72 23'55'-TeCB	26.54	6.18E+07	0.76 Y	1.35	1.37	1.5%
PCB-68 23'45'-TeCB	26.79	7.01E+07	0.77 Y	1.51	1.55	2.8%
PCB-57 23'5'-TeCB	27.16	6.20E+07	0.78 Y	1.34	1.37	2.0%
PCB-58 23'5'-TeCB	27.36	6.52E+07	0.78 Y	1.41	1.44	2.1%
PCB-67 23'45'-TeCB	27.52	6.70E+07	0.76 Y	1.42	1.48	4.2%
PCB-63 23'4'-TeCB	27.75	7.07E+07	0.77 Y	1.52	1.56	2.7%
PCB-61/70/74/76 ...-TeCB	28.04	2.53E+08	0.77 Y	1.36	1.40	2.8%
PCB-66 23'44'-TeCB	28.32	5.88E+07	0.77 Y	1.28	1.30	2.0%
PCB-55 23'3'-TeCB	28.46	5.76E+07	0.76 Y	1.24	1.27	3.1%
PCB-56 23'3'-TeCB	28.90	5.60E+07	0.77 Y	1.22	1.24	1.8%
PCB-60 23'44'-TeCB	29.09	6.02E+07	0.76 Y	1.27	1.33	4.5%
PCB-80 33'55'-TeCB	29.44	6.66E+07	0.77 Y	1.45	1.47	1.4%
PCB-79 33'45'-TeCB	30.76	6.72E+07	0.79 Y	1.45	1.49	2.4%
PCB-78 33'45'-TeCB	31.25	5.10E+07	0.76 Y	1.10	1.13	2.5%
PCB-104 22'466'-PeCB	24.69	6.31E+07	0.64 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.00	5.42E+07	0.62 Y	0.95	0.98	2.7%
PCB-103 22'45'6'-PeCB	26.71	3.51E+07	0.62 Y	0.99	0.99	0.2%
PCB-94 22'356'-PeCB	26.89	3.05E+07	0.62 Y	0.85	0.86	1.6%
PCB-95 22'35'6'-PeCB	27.27	3.20E+07	0.61 Y	0.92	0.91	-1.2%
PCB-100/93 22'44'6/22'356'-PeC	27.49	6.76E+07	0.62 Y	0.92	0.96	3.7%
PCB-102 22'456'-PeCB	27.60	3.40E+07	0.61 Y	1.03	0.96	-6.0%
PCB-98 22'34'6'-PeCB	27.67	3.16E+07	0.63 Y	0.81	0.90	11.1%
PCB-88 22'346'-PeCB	27.97	2.47E+07	0.60 Y	0.74	0.70	-5.6%
PCB-91 22'34'6'-PeCB	28.03	4.05E+07	0.62 Y	1.06	1.15	7.9%
PCB-84 22'33'6'-PeCB	28.22	2.69E+07	0.61 Y	0.77	0.76	-0.9%
PCB-89 22'346'-PeCB	28.64	2.87E+07	0.61 Y	0.82	0.81	-0.3%
PCB-121 23'45'6'-PeCB	29.01	4.31E+07	0.61 Y	1.21	1.22	0.7%
PCB-92 22'355'-PeCB	29.32	2.90E+07	0.62 Y	0.84	0.82	-1.7%
PCB-113/90/101 ...-PeCB	29.81	1.07E+08	0.62 Y	1.00	1.01	1.9%
PCB-83 22'33'5'-PeCB	30.24	2.50E+07	0.61 Y	0.71	0.71	0.5%

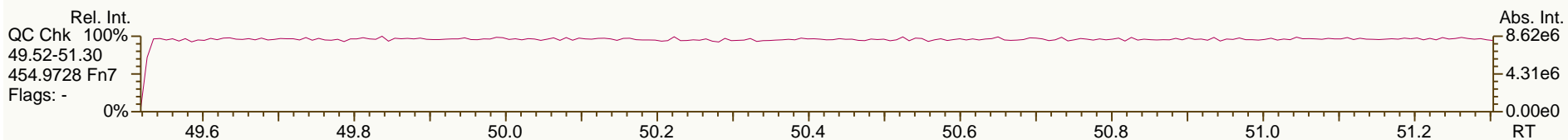
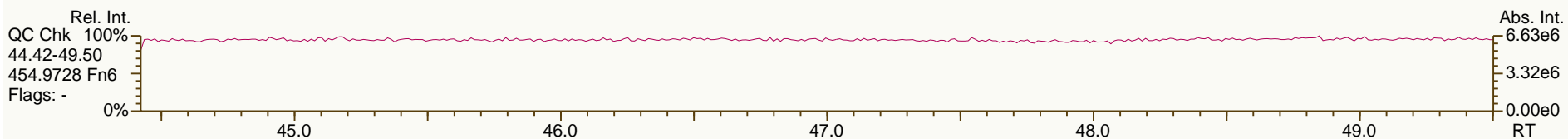
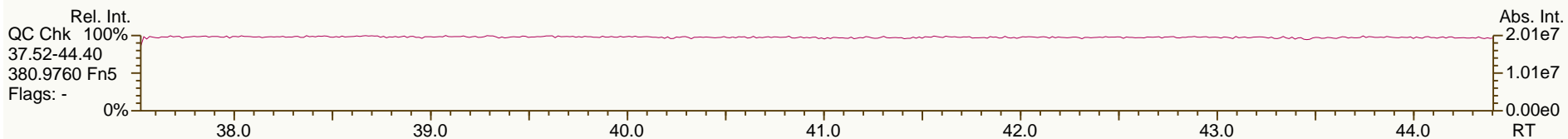
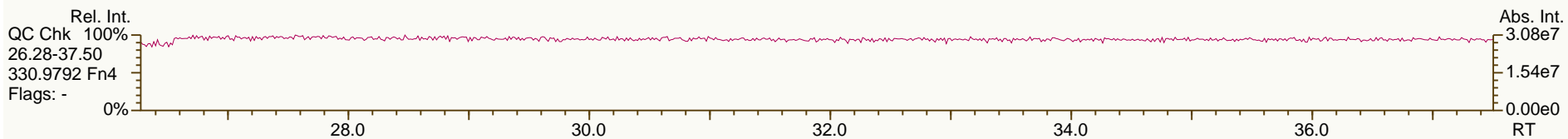
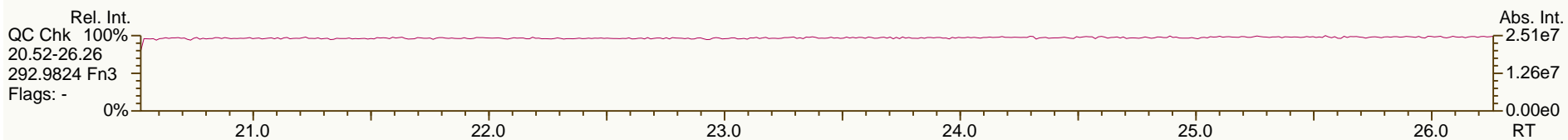
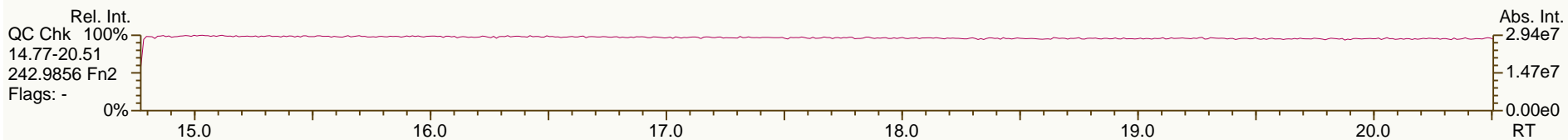
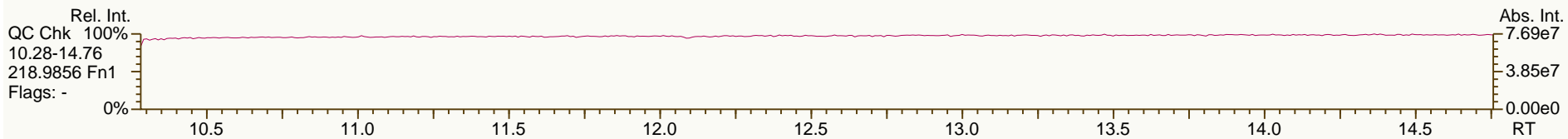
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS3_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	3.10E+07	0.62 Y	0.90	0.88		-2.7%
PCB-112 233'56-PeCB	30.44	4.05E+07	0.62 Y	1.13	1.15		1.7%
PCB-108/119/86/97/125...-PeCB	30.79	2.17E+08	0.62 Y	0.99	1.02		3.3%
PCB-117 234'56-PeCB	31.32	3.82E+07	0.61 Y	1.10	1.08		-1.5%
PCB-116/85 23456/22'344'-PeCB	31.41	6.91E+07	0.62 Y	0.95	0.98		2.7%
PCB-110 233'46-PeCB	31.53	3.74E+07	0.62 Y	1.05	1.06		0.8%
PCB-115 2344'6-PeCB	31.62	4.04E+07	0.62 Y	1.13	1.15		1.4%
PCB-82 22'33'4-PeCB	31.81	2.39E+07	0.61 Y	0.69	0.68		-1.7%
PCB-111 233'55'-PeCB	32.14	4.17E+07	0.61 Y	1.17	1.18		1.2%
PCB-120 23'455'-PeCB	32.54	3.89E+07	0.61 Y	1.11	1.10		-0.3%
PCB-107/124 ...-PeCB	33.51	7.22E+07	0.62 Y	0.99	1.02		3.2%
PCB-109 233'46-PeCB	33.72	3.86E+07	0.61 Y	1.07	1.09		2.4%
PCB-106 233'45-PeCB	33.93	3.61E+07	0.62 Y	0.98	1.02		4.2%
PCB-122 233'4'5'-PeCB	34.40	3.22E+07	0.61 Y	0.87	0.89		3.0%
PCB-127 33'455'-PeCB	36.37	3.23E+07	0.61 Y	0.91	0.93		1.5%
PCB-155 22'44'66'-HxCB	29.67	6.19E+07	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.81	5.78E+07	1.25 Y	1.12	1.12		-0.5%
PCB-150 22'34'66'-HxCB	29.96	5.68E+07	1.27 Y	1.11	1.10		-1.6%
PCB-136 22'33'66'-HxCB	30.26	5.27E+07	1.25 Y	1.04	1.02		-2.0%
PCB-145 22'3466'-HxCB	30.54	5.35E+07	1.24 Y	1.05	1.03		-1.5%
PCB-148 22'34'56'-HxCB	31.83	3.95E+07	1.24 Y	1.15	1.16		0.3%
PCB-151/135 ...-HxCB	32.35	7.47E+07	1.25 Y	1.11	1.09		-1.4%
PCB-154 22'44'56'-HxCB	32.57	4.35E+07	1.23 Y	1.29	1.28		-0.7%
PCB-144 22'345'6-HxCB	32.82	3.74E+07	1.24 Y	1.12	1.10		-2.4%
PCB-147/149 ...-HxCB	33.13	7.81E+07	1.25 Y	1.15	1.15		0.0%
PCB-134 22'33'56-HxCB	33.29	2.92E+07	1.23 Y	0.88	0.85		-3.0%
PCB-143 22'3456'-HxCB	33.38	3.82E+07	1.25 Y	1.10	1.12		2.1%
PCB-139/140 ...-HxCB	33.65	7.83E+07	1.24 Y	1.15	1.15		-0.4%
PCB-131 22'33'46-HxCB	33.82	3.34E+07	1.25 Y	0.96	0.98		2.1%
PCB-142 22'3456-HxCB	33.96	3.29E+07	1.24 Y	0.94	0.96		2.1%
PCB-132 22'33'46'-HxCB	34.20	3.35E+07	1.25 Y	0.98	0.98		0.5%
PCB-133 22'33'55'-HxCB	34.62	3.57E+07	1.26 Y	1.03	1.05		2.0%
PCB-165 233'55'6-HxCB	34.97	4.38E+07	1.25 Y	1.25	1.29		2.8%
PCB-146 22'34'55'-HxCB	35.19	3.88E+07	1.23 Y	1.11	1.14		2.3%
PCB-161 233'45'6-HxCB	35.30	4.66E+07	1.27 Y	1.34	1.37		1.7%
PCB-153/168 ...-HxCB	35.74	9.20E+07	1.24 Y	1.33	1.35		1.0%
PCB-141 22'3455'-HxCB	35.88	3.39E+07	1.26 Y	0.98	1.00		1.7%
PCB-130 22'33'45'-HxCB	36.22	2.97E+07	1.25 Y	0.85	0.87		3.2%
PCB-137 22'344'5-HxCB	36.43	3.84E+07	1.24 Y	1.02	1.13		9.9%
PCB-164 233'4'5'6-HxCB	36.51	4.39E+07	1.26 Y	1.35	1.29		-4.2%
PCB-163/138/129 ...-HxCB	36.80	1.14E+08	1.25 Y	1.08	1.11		2.5%

Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS3_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 18:46						
Datafile:	130826V07						
Name	RT	Response	RA		RRF		
PCB-160 233'456-HxCB	36.93	4.15E+07	1.24 Y	1.22	1.22		0.0%
PCB-158 233'44'6-HxCB	37.12	4.76E+07	1.23 Y	1.36	1.39		2.6%
PCB-128/166 ...-HxCB	37.86	6.63E+07	1.25 Y	0.96	0.96		0.8%
PCB-159 233'455'-HxCB	38.69	3.78E+07	1.24 Y	1.08	1.10		1.4%
PCB-162 233'4'55'-HxCB	38.94	3.60E+07	1.23 Y	1.05	1.05		-0.6%
PCB-188 22'34'566'-HpCB	34.58	5.34E+07	1.04 Y	0.91	-		-
PCB-179 22'33'566'-HpCB	34.85	4.86E+07	1.04 Y	0.81	0.83		2.0%
PCB-184 22'344'66'-HpCB	35.33	4.71E+07	1.04 Y	0.78	0.80		2.6%
PCB-176 22'33'466'-HpCB	35.61	5.15E+07	1.03 Y	0.86	0.88		2.1%
PCB-186 22'34566'-HpCB	36.01	4.95E+07	1.02 Y	0.81	0.84		4.1%
PCB-178 22'33'55'6-HpCB	37.16	3.43E+07	1.03 Y	0.57	0.59		3.3%
PCB-175 22'33'45'6-HpCB	37.72	3.44E+07	1.02 Y	0.99	1.02		3.8%
PCB-187 22'34'55'6-HpCB	37.95	3.65E+07	1.02 Y	1.05	1.09		3.4%
PCB-182 22'344'56'-HpCB	38.13	3.75E+07	1.04 Y	1.10	1.12		1.4%
PCB-183 22'344'5'6-HpCB	38.48	3.76E+07	1.03 Y	1.14	1.12		-1.3%
PCB-185 22'3455'6-HpCB	38.55	3.26E+07	1.03 Y	0.99	0.97		-2.2%
PCB-174 22'33'456'-HpCB	38.67	3.18E+07	1.04 Y	0.90	0.95		5.0%
PCB-177 22'33'45'6'-HpCB	39.04	2.94E+07	1.04 Y	0.85	0.88		3.4%
PCB-181 22'344'56-HpCB	39.40	3.36E+07	1.05 Y	0.98	1.00		2.6%
PCB-171/173 ...-HpCB	39.58	5.90E+07	1.03 Y	0.87	0.88		0.9%
PCB-172 22'33'455'-HpCB	40.96	2.91E+07	1.03 Y	0.87	0.87		-0.4%
PCB-192 233'455'6-HpCB	41.21	3.67E+07	1.05 Y	1.12	1.09		-2.3%
PCB-180/193 ...-HpCB	41.49	7.25E+07	1.04 Y	1.08	1.08		0.3%
PCB-191 233'44'5'6-HpCB	41.83	3.83E+07	1.04 Y	1.15	1.14		-0.4%
PCB-170 22'33'44'5-HpCB	42.60	2.75E+07	1.05 Y	0.99	1.00		1.1%
PCB-190 233'44'56-HpCB	43.06	3.65E+07	1.04 Y	1.33	1.33		-0.1%
PCB-202 22'33'55'66'-OcCB	39.16	4.17E+07	0.89 Y	0.86	-		-
PCB-201 22'33'45'66'-OcCB	39.96	4.48E+07	0.89 Y	0.95	0.96		0.4%
PCB-204 22'344'566'-OcCB	40.55	4.27E+07	0.89 Y	0.89	0.91		1.9%
PCB-197 22'33'44'66'-OcCB	40.74	4.53E+07	0.90 Y	0.95	0.97		1.8%
PCB-200 22'33'4566'-OcCB	40.82	4.21E+07	0.89 Y	0.87	0.90		3.5%
PCB-198/199 ...-OcCB	43.19	5.75E+07	0.90 Y	0.60	0.61		1.7%
PCB-196 22'33'44'56'-OcCB	43.78	2.99E+07	0.89 Y	0.63	0.64		1.2%
PCB-203 22'344'55'6-OcCB	43.95	3.04E+07	0.89 Y	0.64	0.65		1.6%
PCB-195 22'33'44'56-OcCB	45.09	2.21E+07	0.91 Y	0.82	0.82		0.8%
PCB-194 22'33'44'55'-OcCB	47.10	2.39E+07	0.91 Y	0.90	0.89		-0.4%
PCB-205 233'44'55'6-OcCB	47.51	2.95E+07	0.91 Y	1.09	-		-
PCB-208 22'33'455'66'-NoCB	44.89	3.56E+07	0.77 Y	1.00	-		-
PCB-207 22'33'44'566'-NoCB	45.70	3.61E+07	0.77 Y	1.01	1.02		1.0%
PCB-206 22'33'44'55'6-NoCB	49.03	2.34E+07	0.77 Y	0.85	-		-

SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

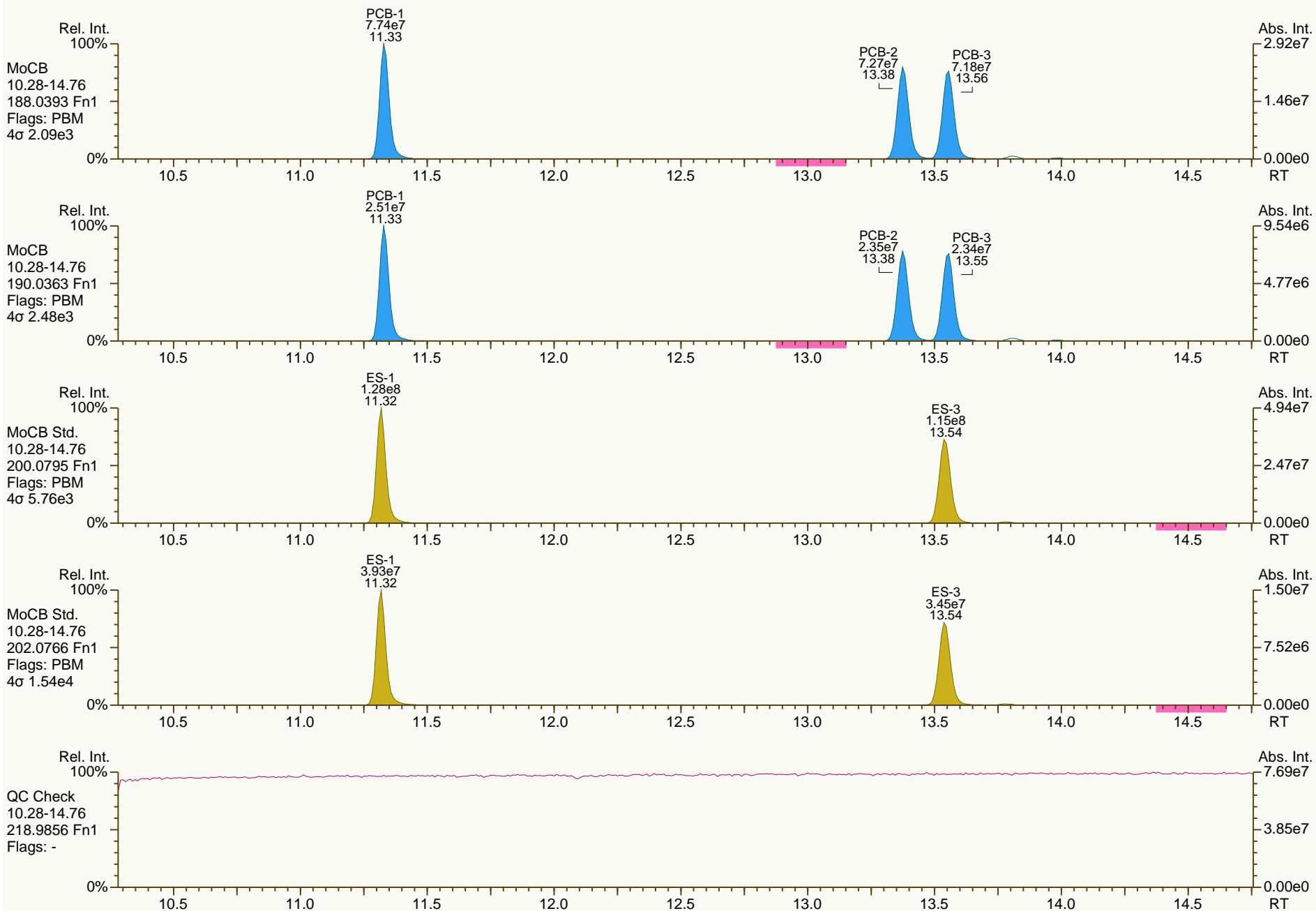
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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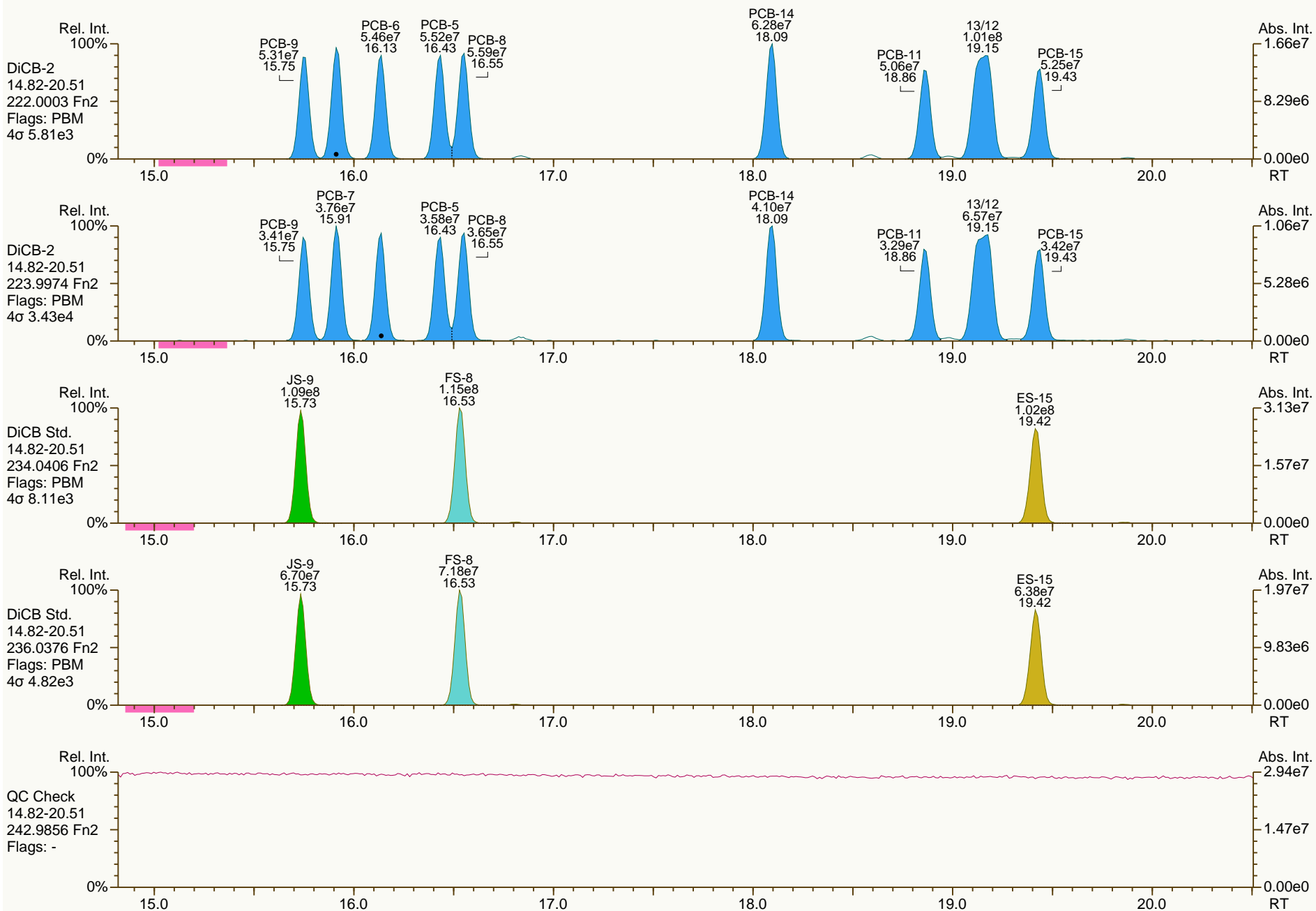
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SGS-AP ID: CS3_130826_PCB_VA
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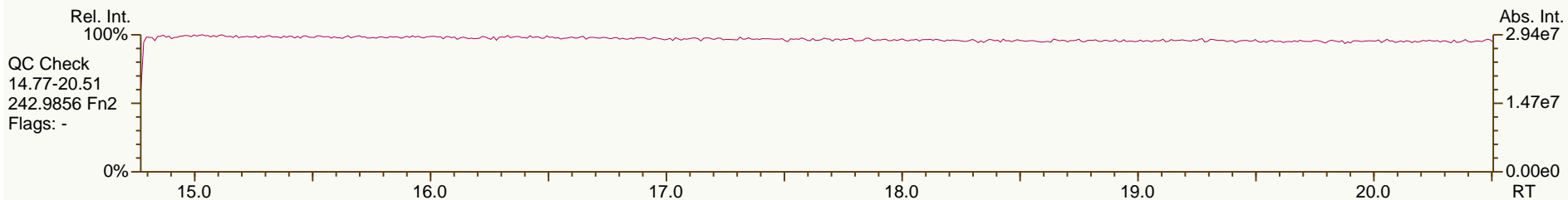
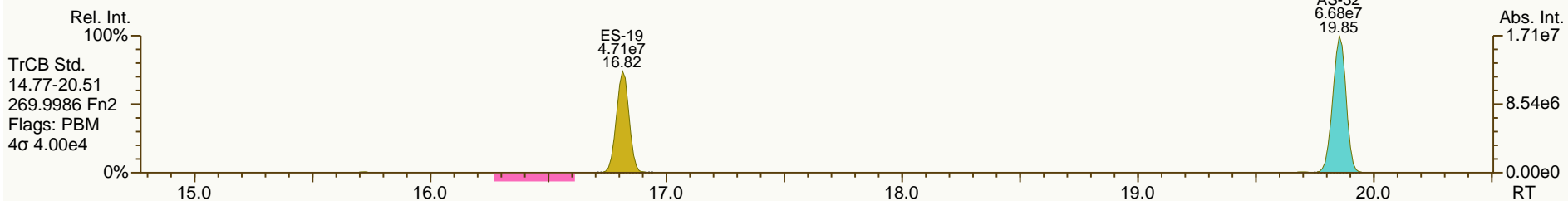
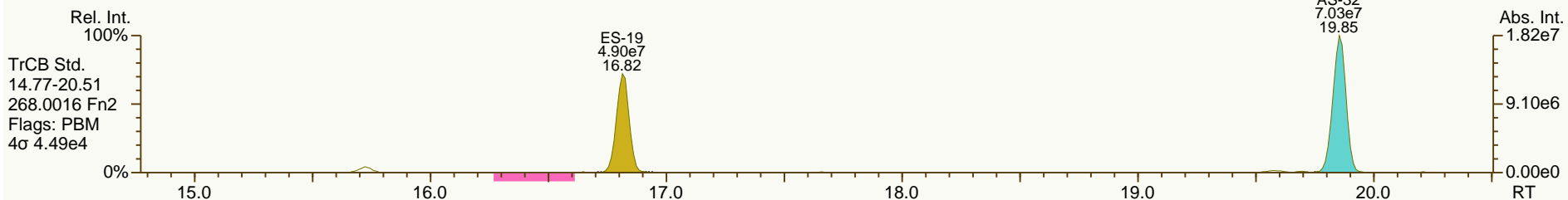
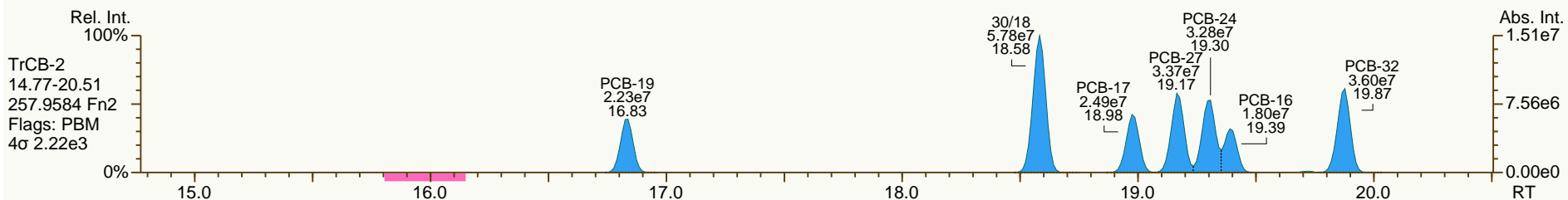
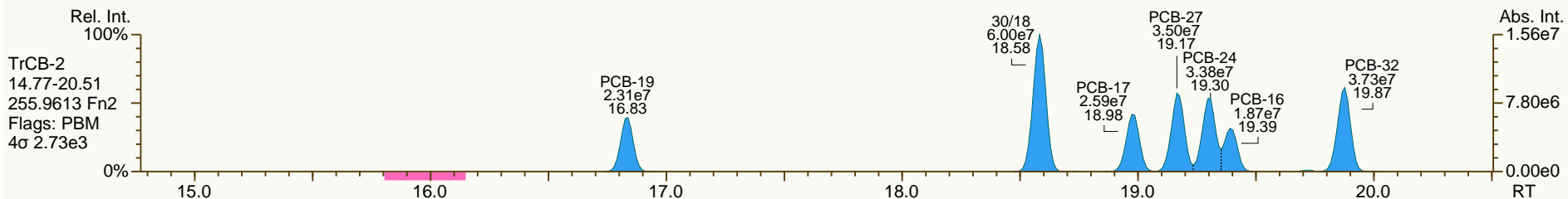
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SGS-AP ID: CS3_130826_PCB_VA
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Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

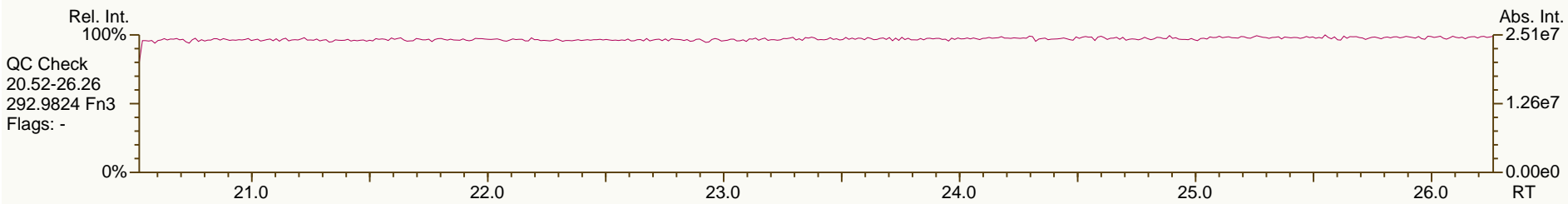
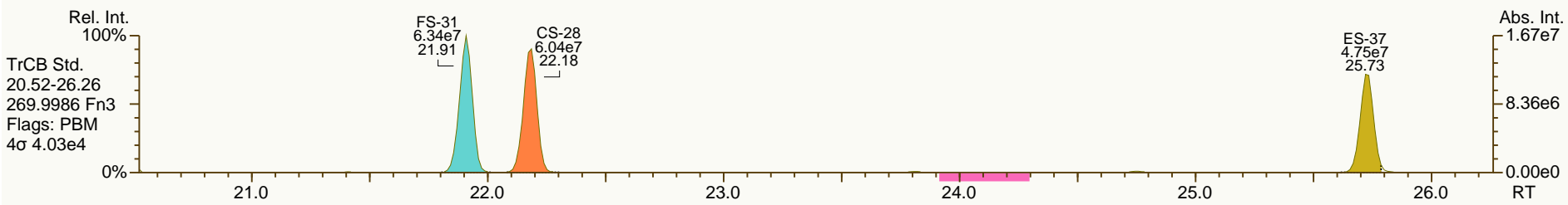
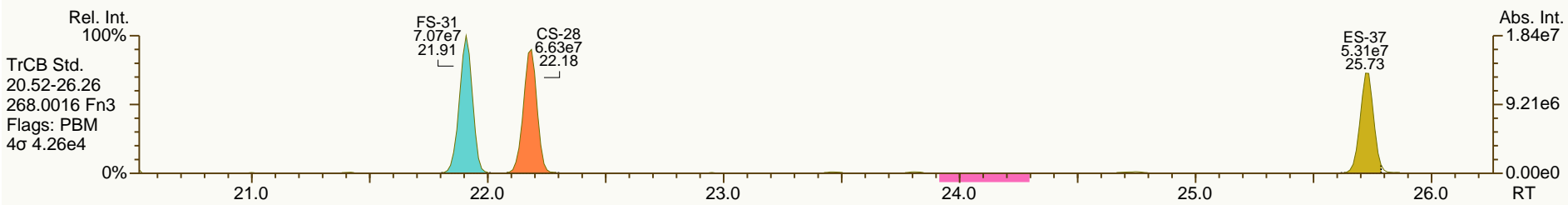
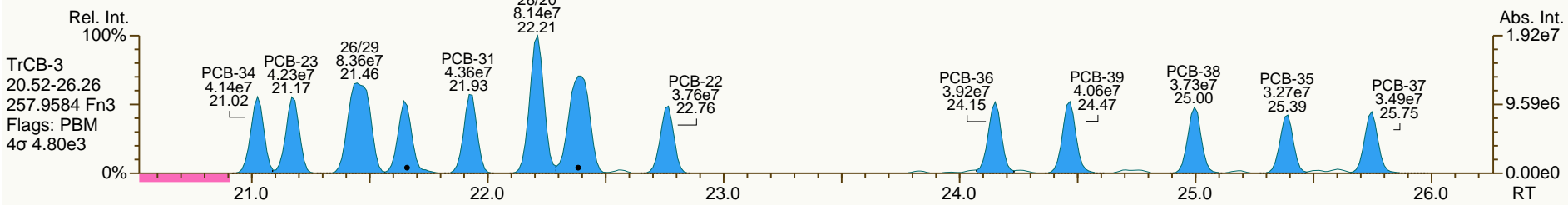
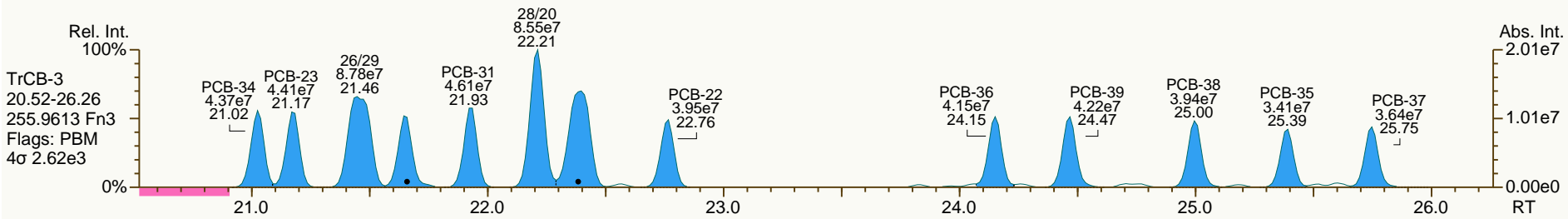
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SGS-AP ID: CS3_130826_PCB_VA
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Sample ID: SIL 13-40-3
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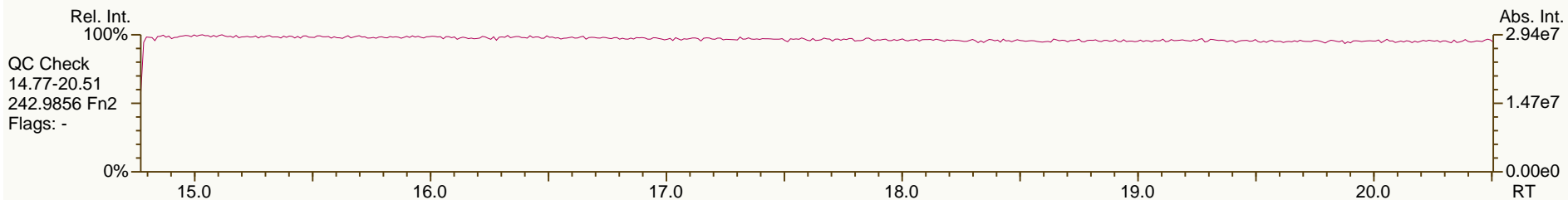
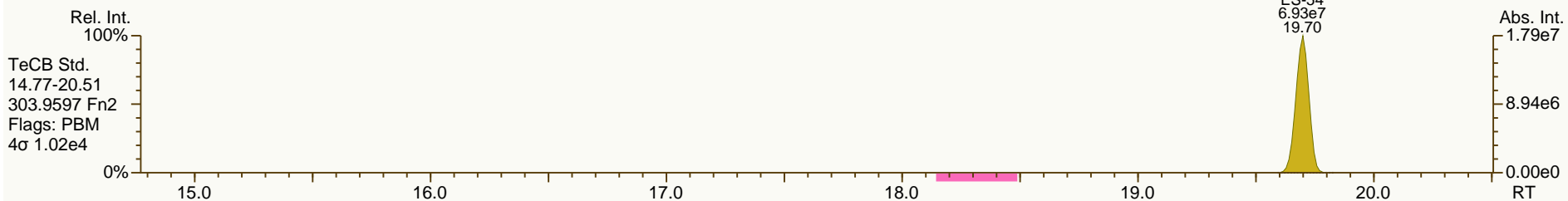
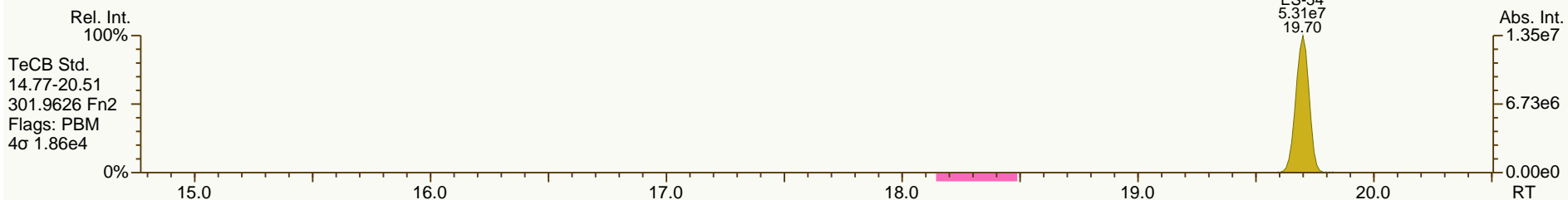
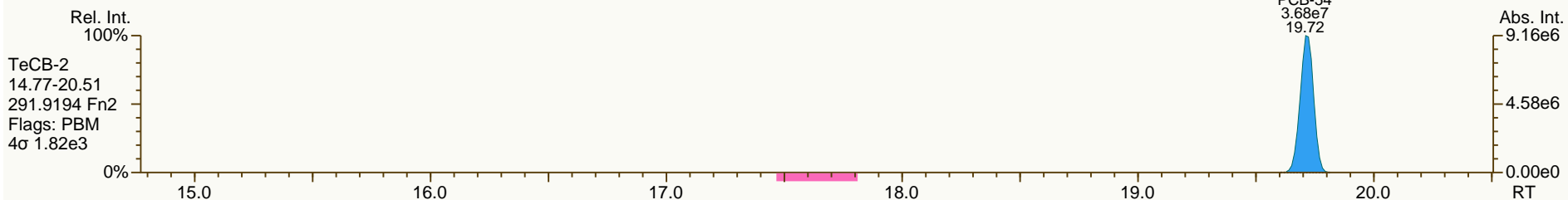
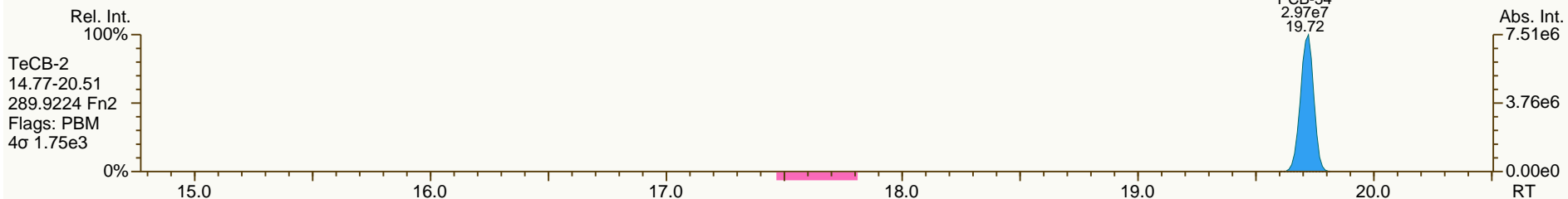
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

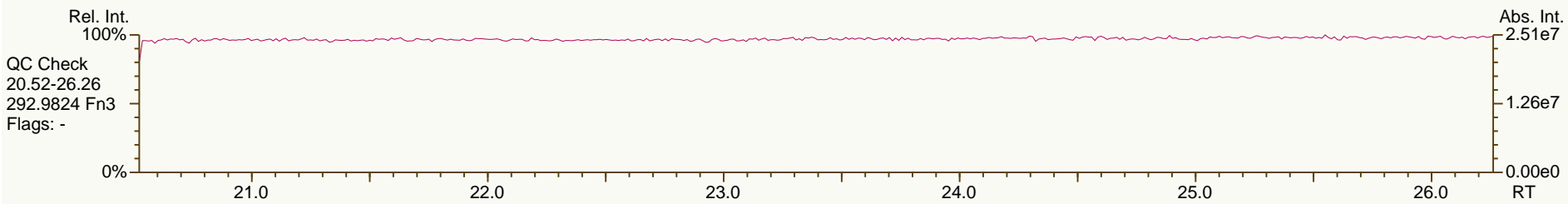
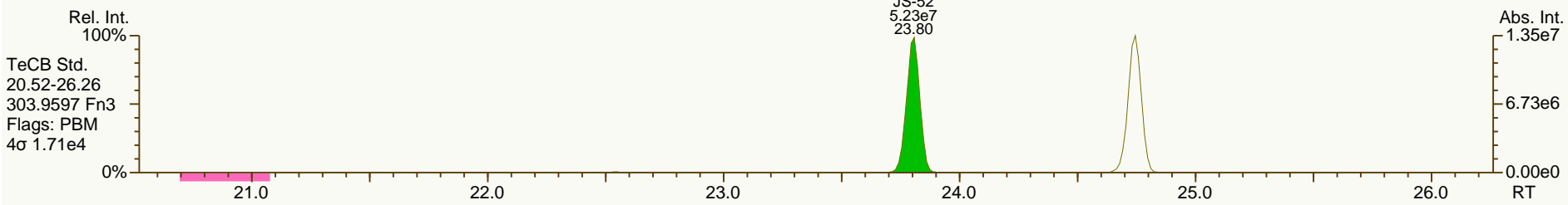
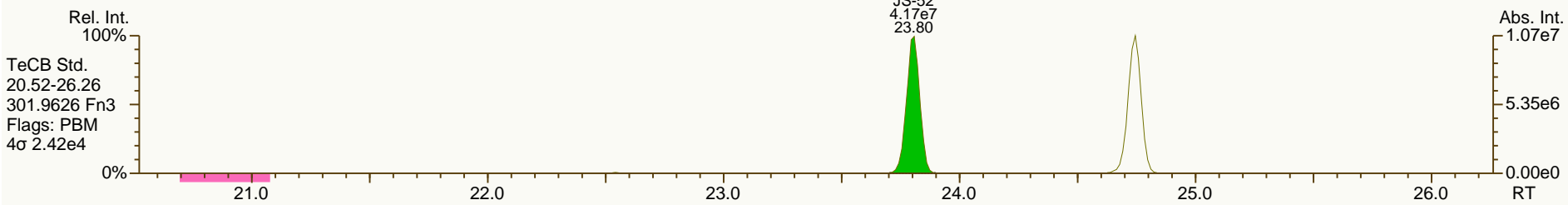
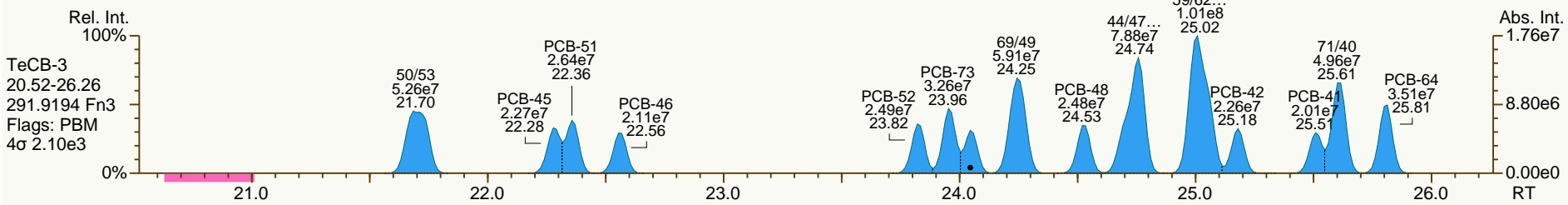
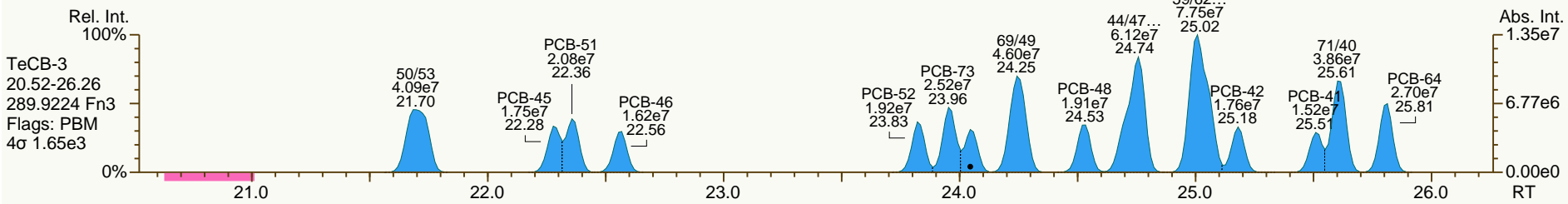
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

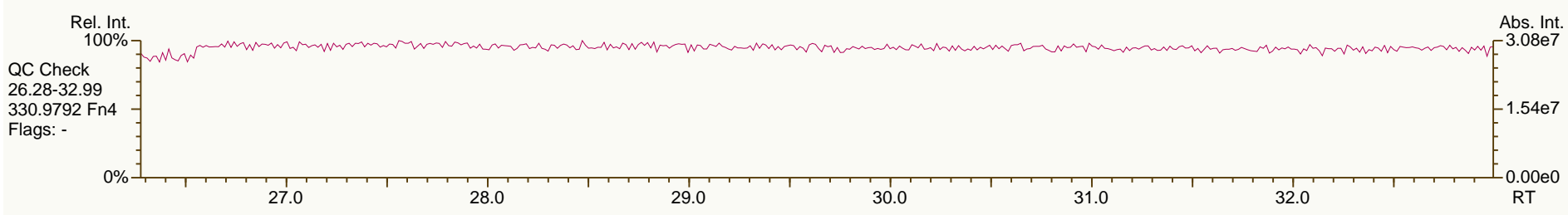
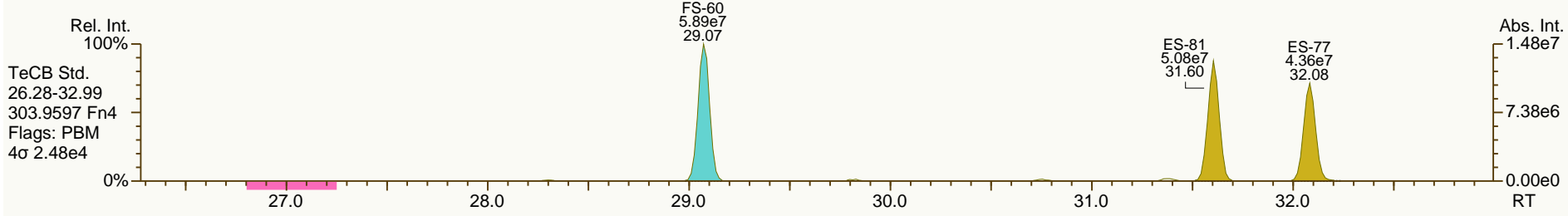
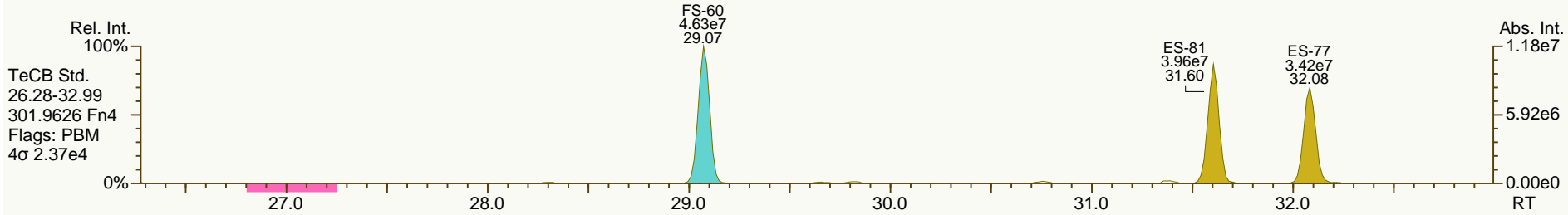
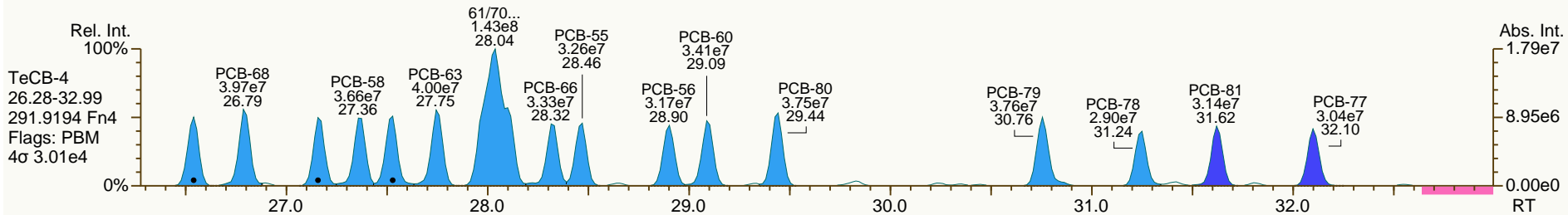
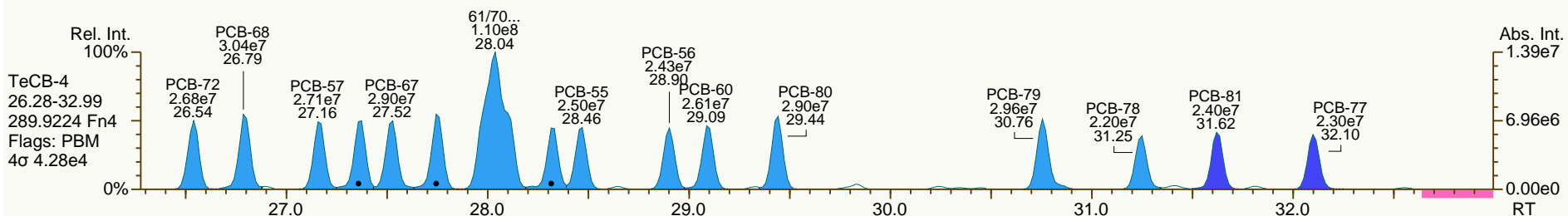
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

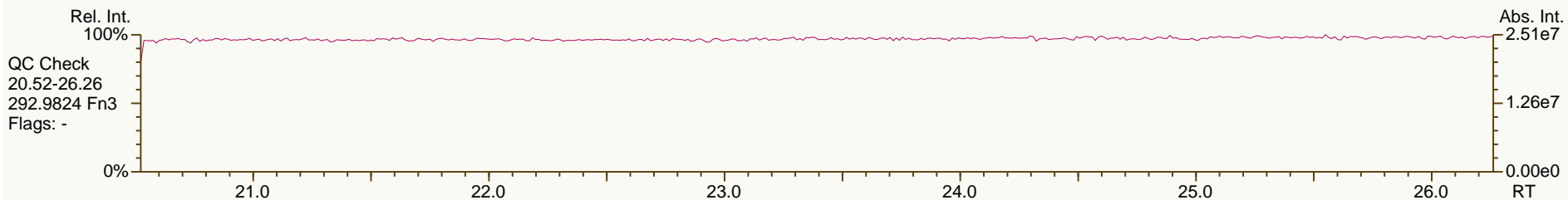
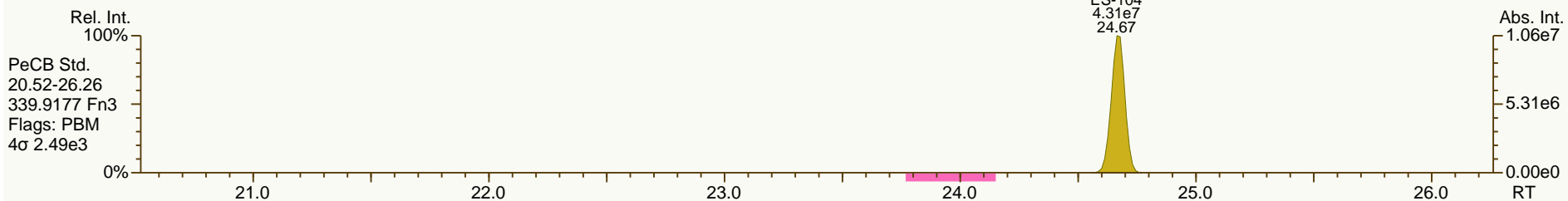
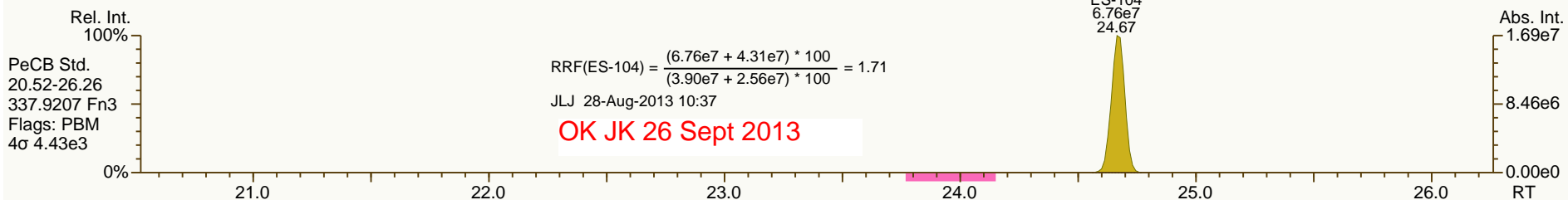
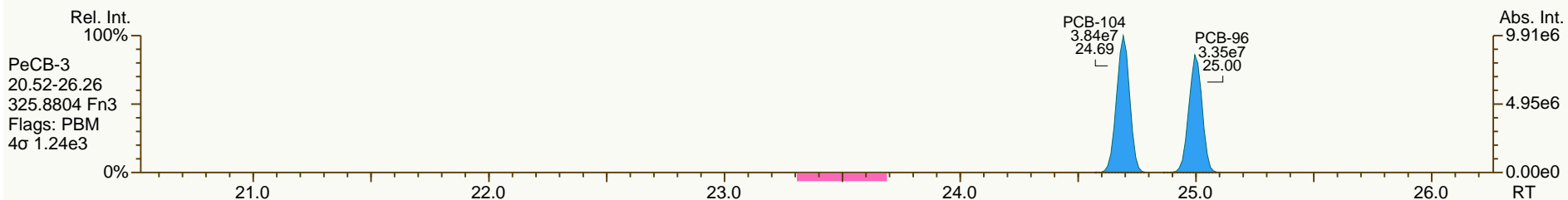
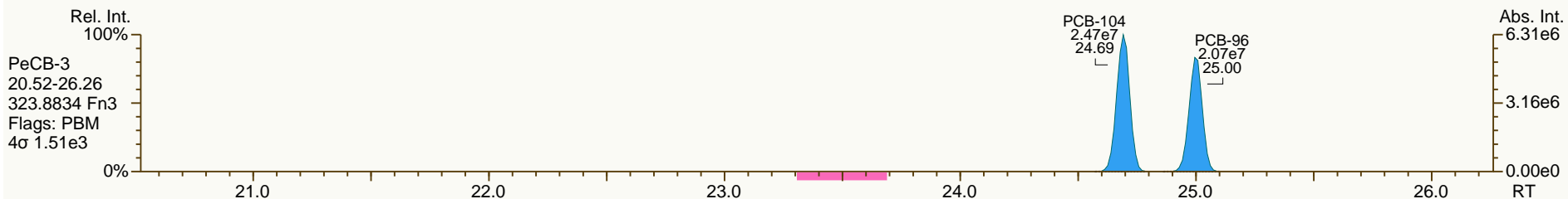
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

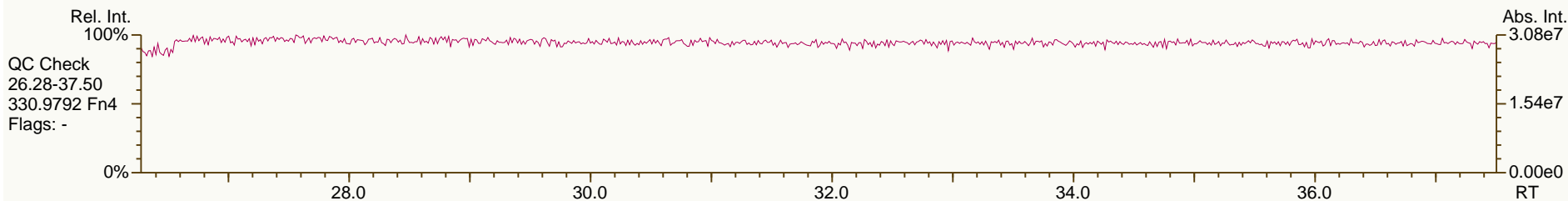
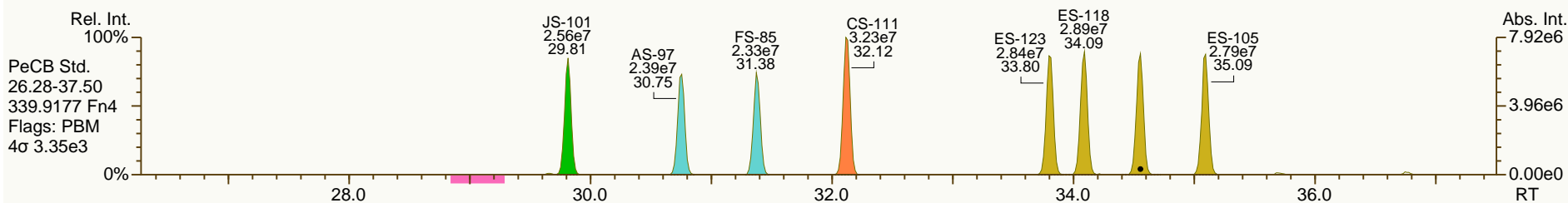
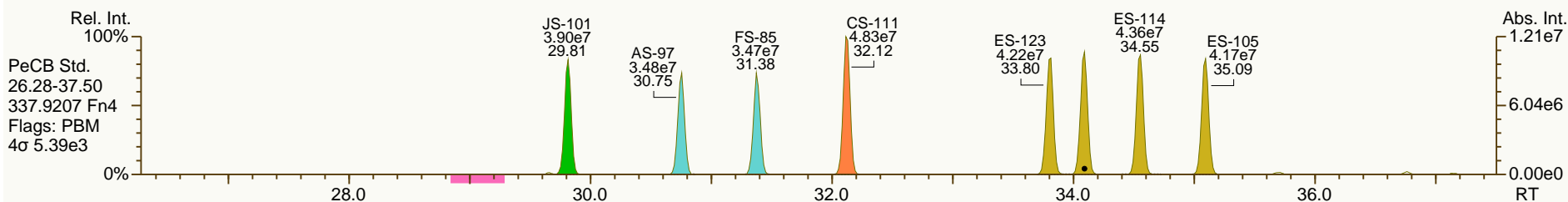
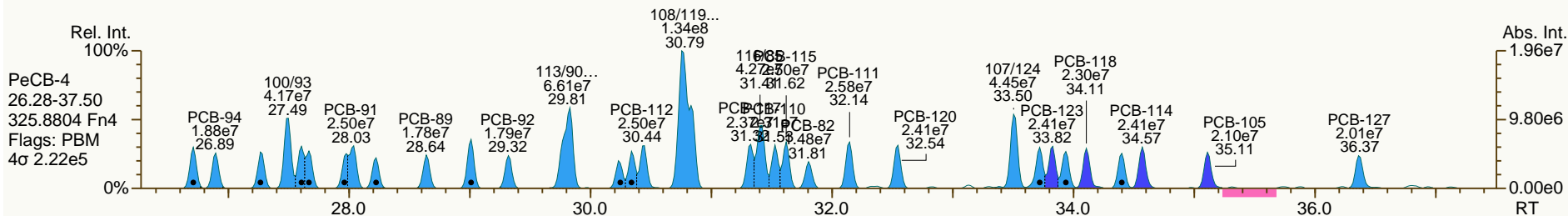
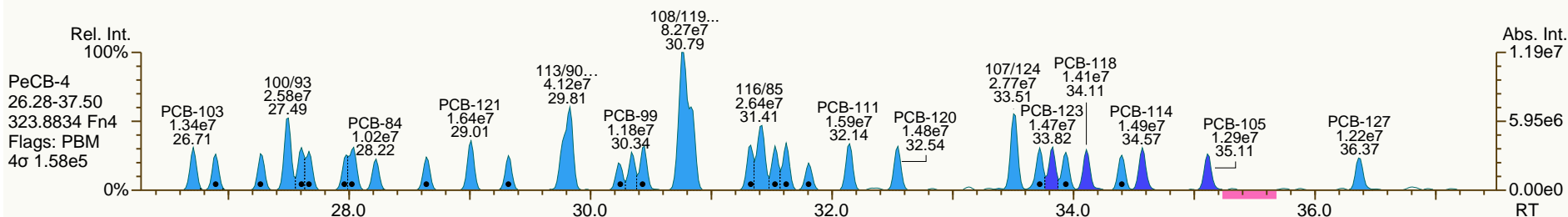
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

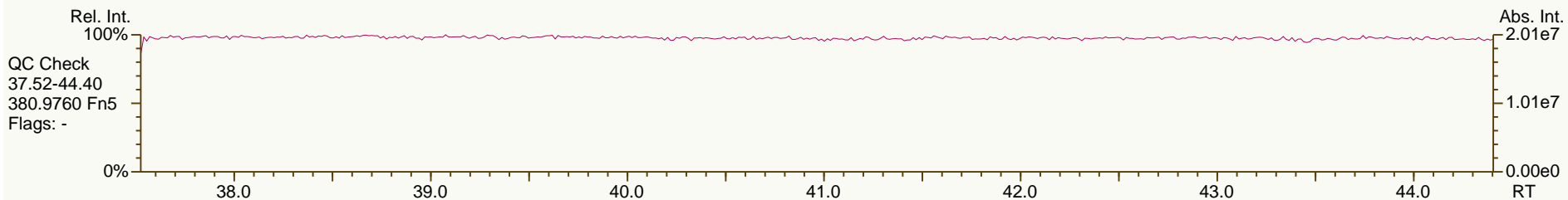
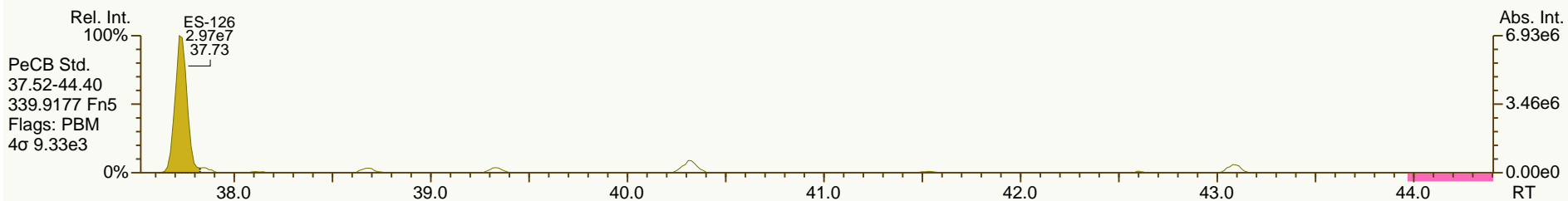
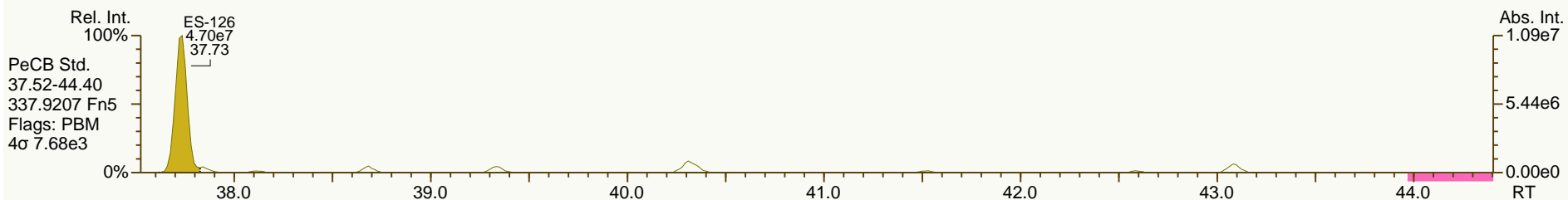
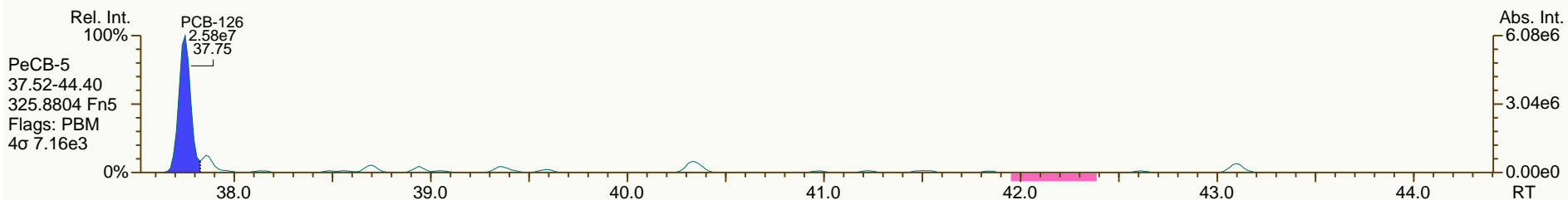
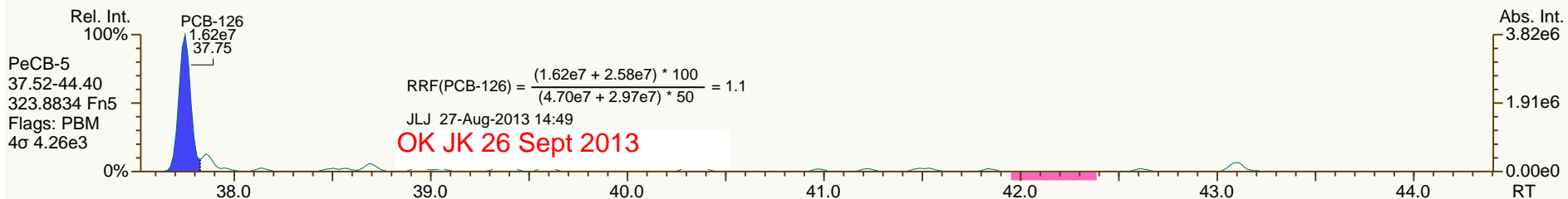
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User: JLJ Datafile: 130826V07



SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

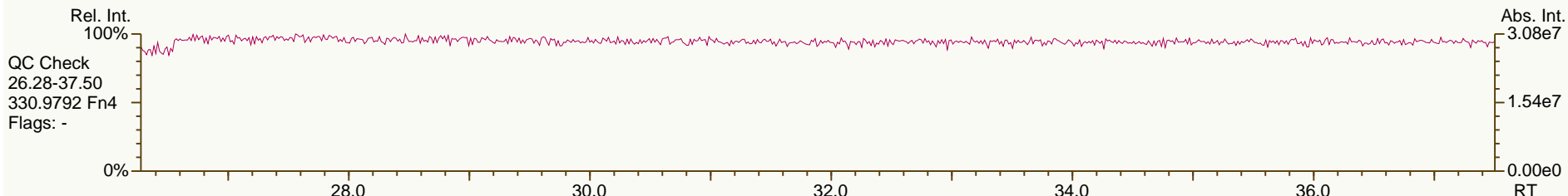
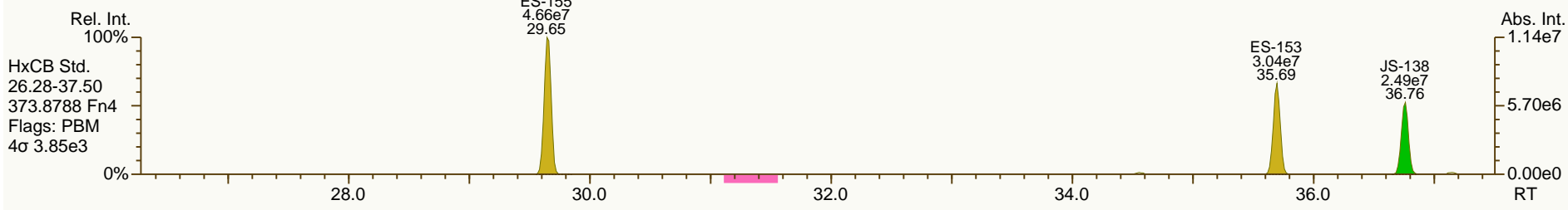
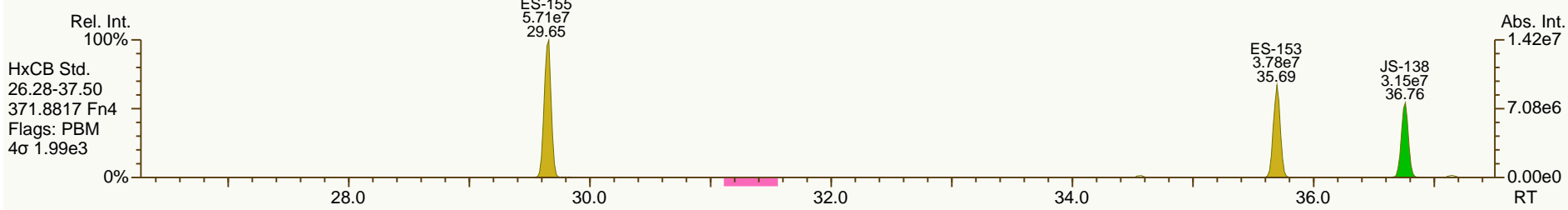
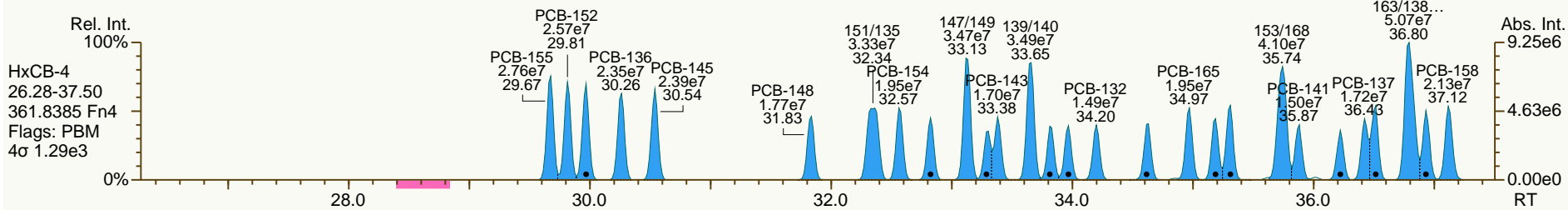
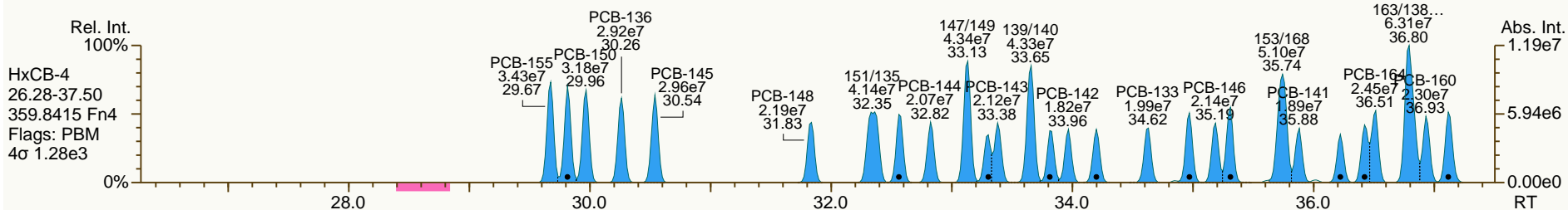
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

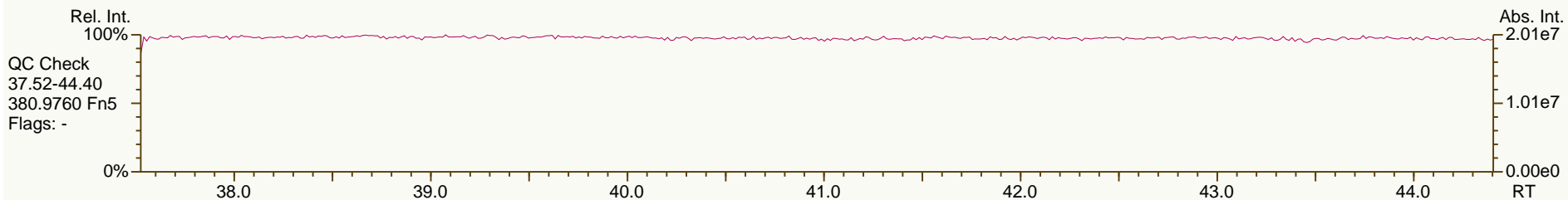
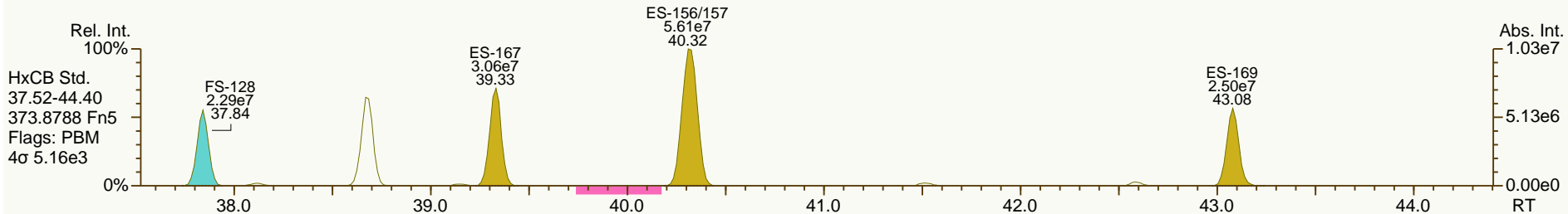
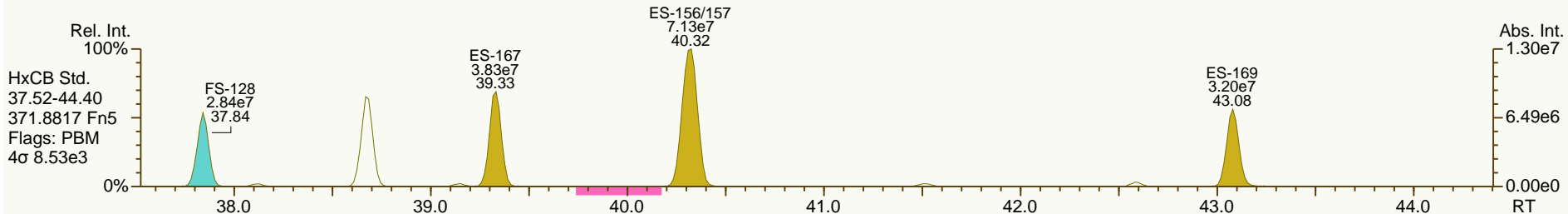
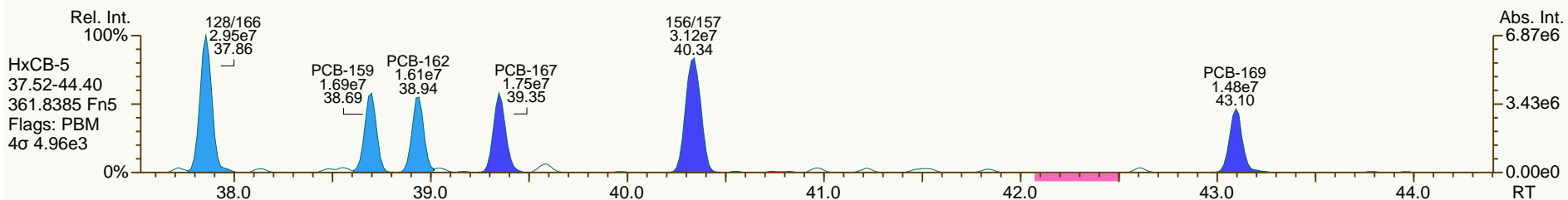
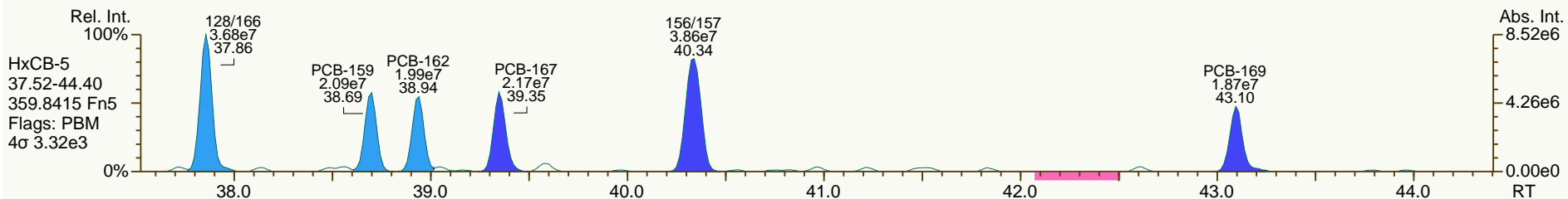
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

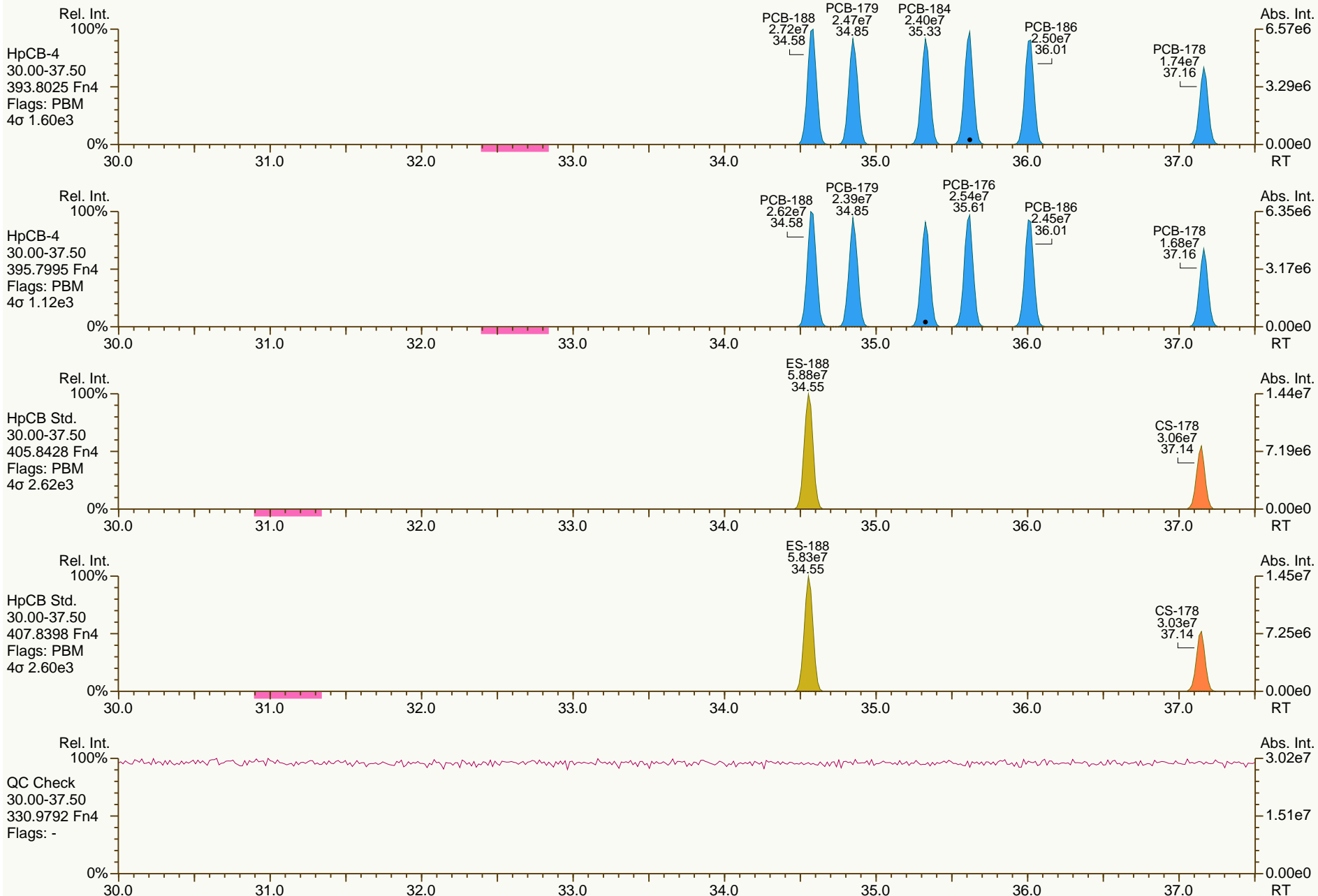
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SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

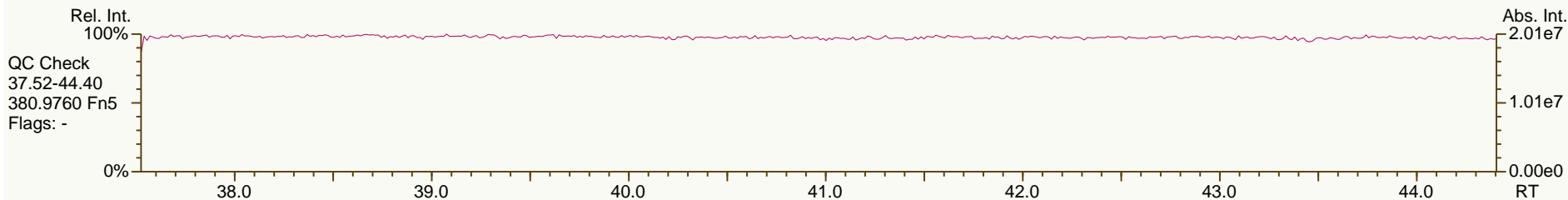
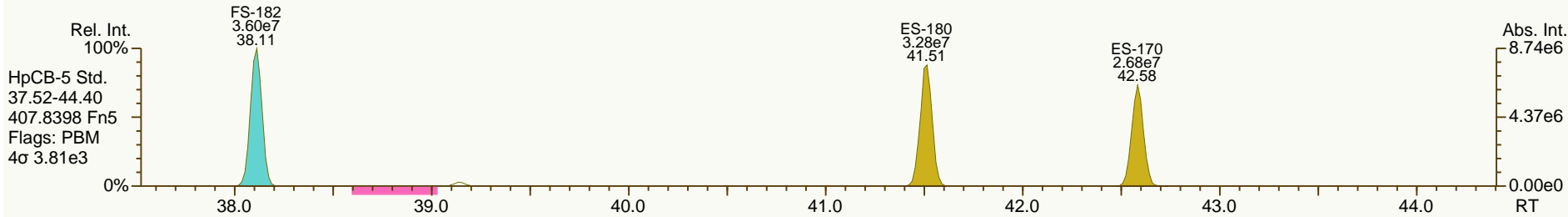
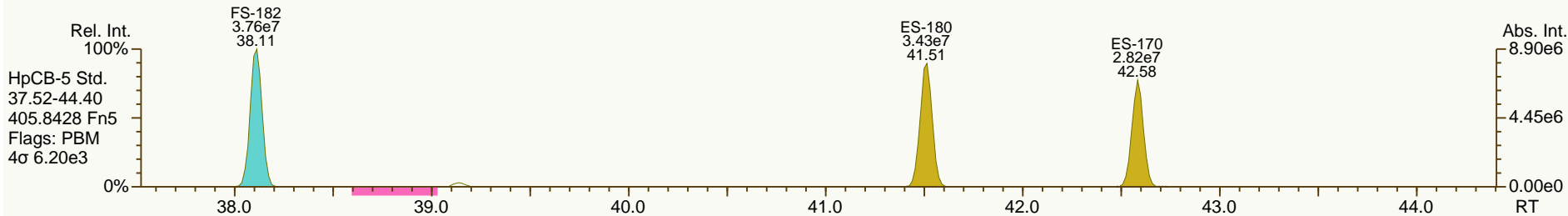
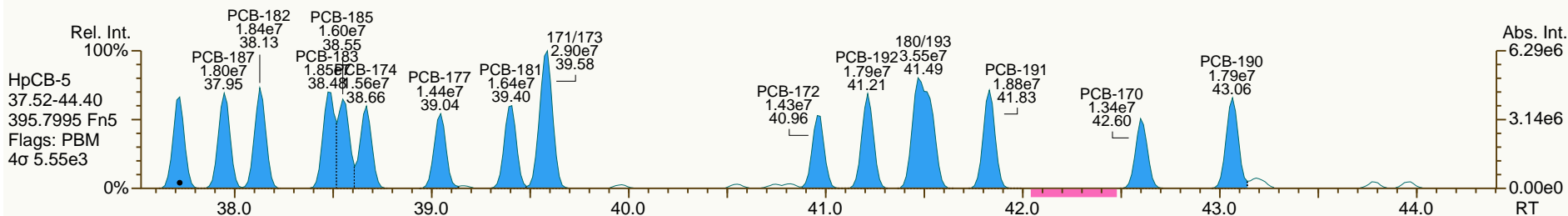
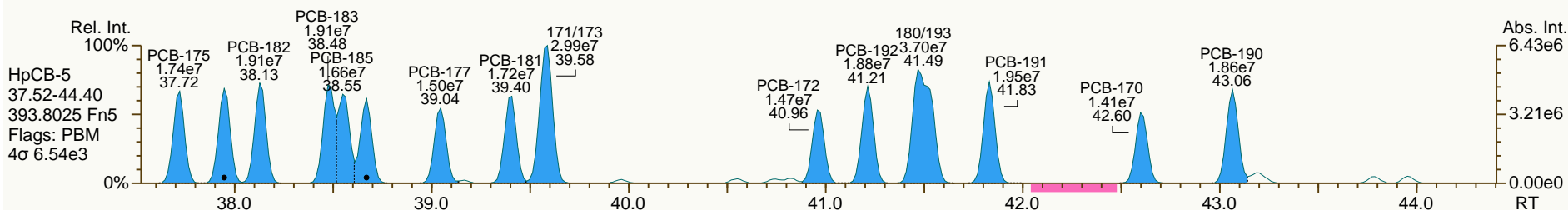
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

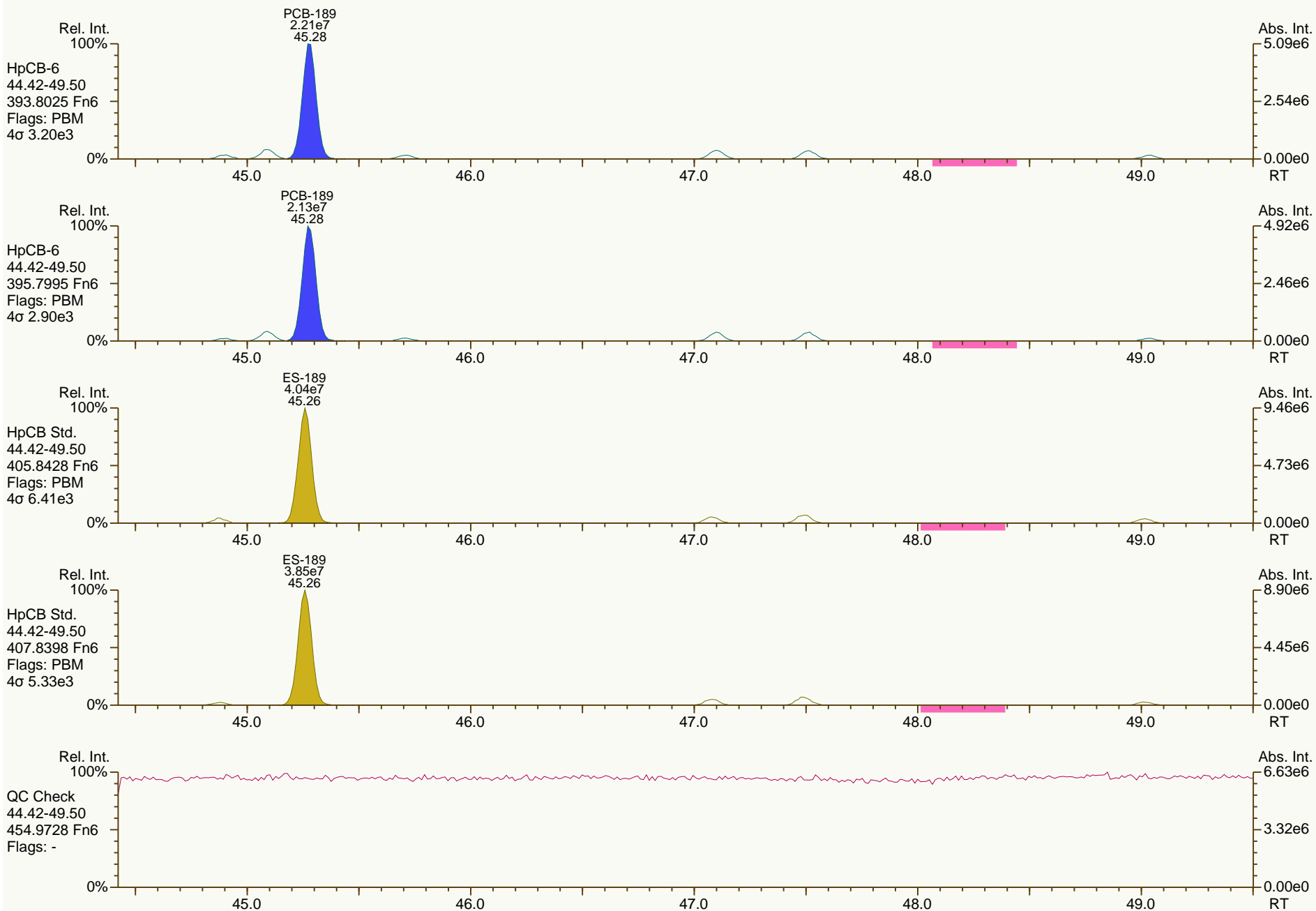
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
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SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

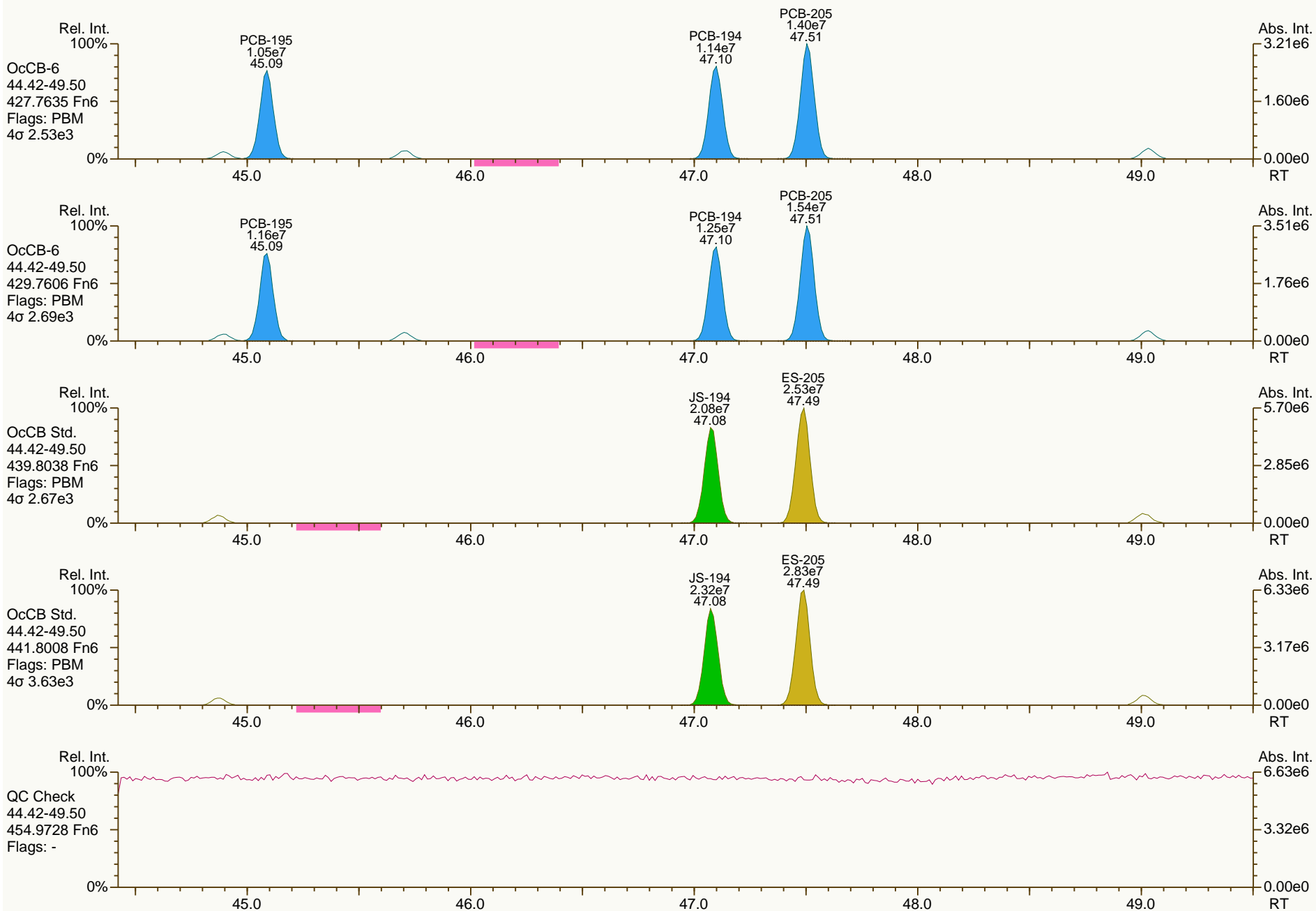
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 User: JLJ Datafile: 130826V07



SGS-AP ID: CS3_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

Acq: 26-Aug-2013 18:46:48
User: JLJ Datafile: 130826V07



SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

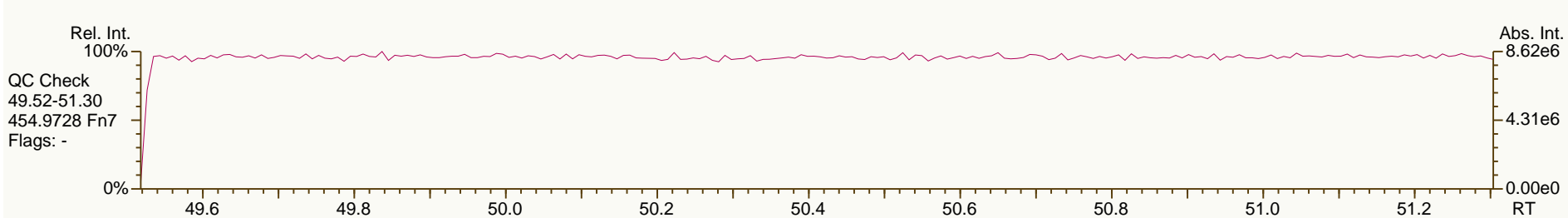
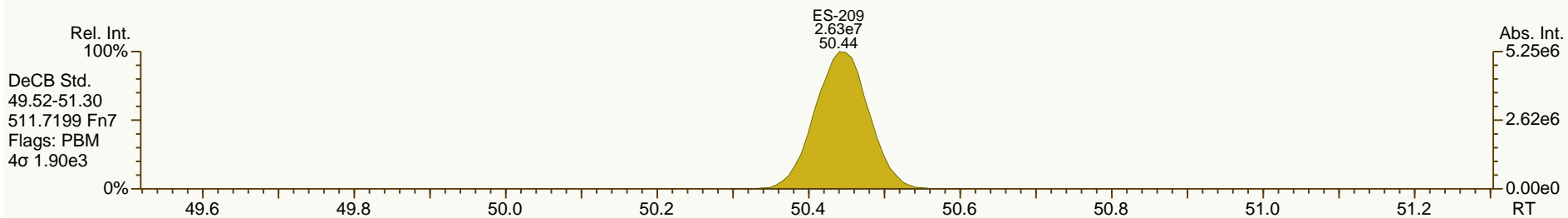
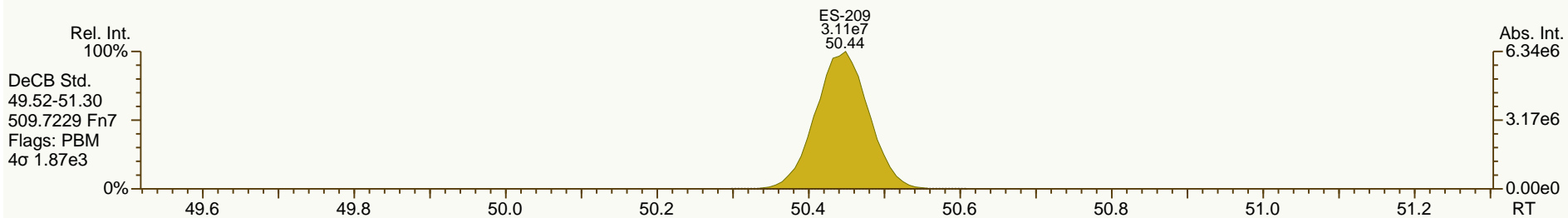
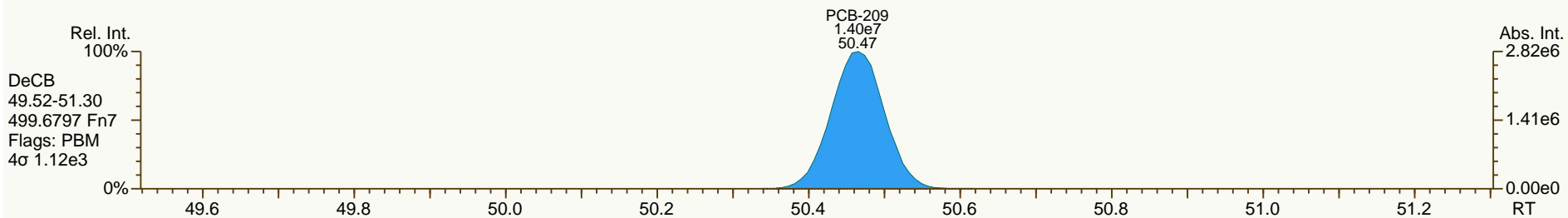
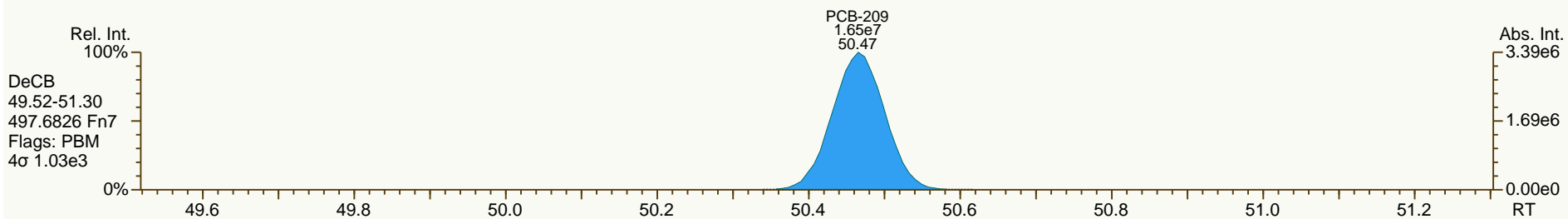
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 User: JLJ Datafile: 130826V07



SGS-AP ID: CS3_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-3
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 8

Acq: 26-Aug-2013 18:46:48
 User: JLJ Datafile: 130826V07



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS4_130826_PCB_VA						
Acquired:	26-AUG-2013 19:42			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	1.99E+08	0.77 Y	1.37	1.51	10.6%	
PCB-81 344'5'-TeCB	31.63	2.06E+08	0.76 Y	1.20	1.30	8.2%	
PCB-105 233'44'-PeCB	35.12	1.24E+08	0.61 Y	0.97	1.05	8.3%	
PCB-114 2344'5'-PeCB	34.58	1.41E+08	0.62 Y	1.06	1.15	8.8%	
PCB-118 23'44'5'-PeCB	34.12	1.37E+08	0.62 Y	1.00	1.12	11.7%	
PCB-123 23'44'5'-PeCB	33.83	1.43E+08	0.62 Y	1.08	1.18	9.9%	
PCB-126 33'44'5'-PeCB	37.76	1.55E+08	0.63 Y	1.08	1.19	9.8%	
PCB-156/157 ...-HxCB	40.34	2.51E+08	1.24 Y	1.07	1.14	6.8%	
PCB-167 23'44'55'-HxCB	39.36	1.40E+08	1.23 Y	1.11	1.21	8.7%	
PCB-169 33'44'55'-HxCB	43.11	1.22E+08	1.25 Y	1.15	1.24	7.5%	
PCB-189 233'44'55'-HpCB	45.28	1.58E+08	1.03 Y	1.10	1.17	6.6%	
PCB-209 DeCB	50.46	1.07E+08	1.19 Y	1.04	1.11	7.3%	
ES PCB-1	11.33	6.56E+07	3.27 Y	0.95	0.94	-1.1%	
ES PCB-3	13.55	5.96E+07	3.36 Y	0.85	0.85	-0.3%	
ES PCB-4	13.80	4.60E+07	1.55 Y	0.67	0.66	-1.5%	
ES PCB-15	19.42	6.62E+07	1.62 Y	0.94	0.95	0.6%	
ES PCB-19	16.82	3.77E+07	1.05 Y	0.54	0.54	-0.9%	
ES PCB-37	25.73	4.24E+07	1.10 Y	1.08	1.11	3.0%	
ES PCB-54	19.70	4.66E+07	0.76 Y	1.27	1.22	-4.3%	
ES PCB-77	32.09	3.29E+07	0.76 Y	0.84	0.86	2.3%	
ES PCB-81	31.61	3.95E+07	0.82 Y	0.98	1.03	5.3%	
ES PCB-104	24.68	4.44E+07	1.51 Y	1.69	1.63	-3.3%	
ES PCB-105	35.10	2.93E+07	1.49 Y	1.08	1.08	0.2%	
ES PCB-114	34.56	3.05E+07	1.55 Y	1.11	1.12	1.1%	
ES PCB-118	34.09	3.06E+07	1.51 Y	1.13	1.12	-0.3%	
ES PCB-123	33.81	3.03E+07	1.55 Y	1.10	1.11	1.0%	
ES PCB-126	37.74	3.25E+07	1.61 Y	1.17	1.19	1.8%	
ES PCB-153	35.70	2.70E+07	1.28 Y	1.19	1.14	-4.5%	
ES PCB-155	29.66	4.11E+07	1.23 Y	1.80	1.73	-4.1%	
ES PCB-156/157	40.33	5.51E+07	1.25 Y	1.13	1.16	2.7%	
ES PCB-167	39.34	2.88E+07	1.25 Y	1.20	1.21	0.8%	
ES PCB-169	43.09	2.48E+07	1.21 Y	1.00	1.04	4.5%	
ES PCB-170	42.59	2.32E+07	1.04 Y	1.24	1.24	0.1%	
ES PCB-180	41.52	2.85E+07	1.04 Y	1.51	1.53	1.6%	
ES PCB-188	34.56	4.75E+07	0.99 Y	2.06	2.00	-3.0%	
ES PCB-189	45.26	3.36E+07	1.06 Y	1.78	1.81	1.4%	
ES PCB-202	39.14	3.82E+07	0.88 Y	1.66	1.61	-3.1%	
ES PCB-205	47.49	2.28E+07	0.89 Y	1.22	1.22	0.7%	
ES PCB-206	49.00	2.31E+07	0.77 Y	1.23	1.24	0.5%	
ES PCB-208	44.87	2.92E+07	0.78 Y	1.60	1.57	-2.1%	
ES PCB-209	50.44	2.41E+07	1.17 Y	1.31	1.29	-1.3%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:43		
Lab ID:	CS4_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	5.17E+07	1.12 Y	1.25	1.22	-2.7%	
SS PCB-111	32.13	3.40E+07	1.48 Y	1.15	1.13	-2.3%	
SS PCB-178	37.15	2.62E+07	1.02 Y	0.54	0.55	2.5%	
CS PCB-28	22.19	5.17E+07	1.12 Y	1.34	1.35	0.5%	
CS PCB-111	32.13	3.40E+07	1.48 Y	1.27	1.25	-1.3%	
CS PCB-178	37.15	2.62E+07	1.02 Y	1.11	1.10	-0.5%	
JS PCB-9	15.74	7.00E+07	1.62 Y		-	-	
JS PCB-52	23.81	3.83E+07	0.79 Y		-	-	
JS PCB-101	29.82	2.72E+07	1.48 Y		-	-	
JS PCB-138	36.76	2.38E+07	1.26 Y		-	-	
JS PCB-194	47.08	1.86E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.34	3.39E+08	3.09 Y	1.19	1.29	8.3%	
PCB-3 4-MoCB	13.56	3.15E+08	3.09 Y	1.24	1.32	6.5%	
PCB-4 22'-DiCB	13.81	1.79E+08	1.54 Y	0.88	0.97	10.2%	
PCB-15 44'-DiCB	19.44	2.97E+08	1.53 Y	1.01	1.12	10.6%	
PCB-19 22'6'-TrCB	16.84	1.50E+08	1.03 Y	0.92	0.99	7.7%	
PCB-37 344'-TrCB	25.75	2.50E+08	1.05 Y	1.35	1.47	8.9%	
PCB-54 22'66'-TeCB	19.72	2.20E+08	0.78 Y	1.08	1.18	9.3%	
PCB-104 22'466'-PeCB	24.70	2.16E+08	0.63 Y	1.12	1.22	8.7%	
PCB-155 22'44'66'-HxCB	29.68	2.17E+08	1.24 Y	1.21	1.32	9.4%	
PCB-188 22'34'566'-HpCB	34.58	1.92E+08	1.04 Y	0.91	1.01	11.5%	
PCB-202 22'33'55'66'-OcCB	39.16	1.44E+08	0.89 Y	0.86	0.95	9.7%	
PCB-205 233'44'55'6'-OcCB	47.51	1.05E+08	0.91 Y	1.09	1.15	5.8%	
PCB-208 22'33'455'66'-NoCB	44.89	1.25E+08	0.77 Y	1.00	1.07	7.5%	
PCB-206 22'33'44'55'6'-NoCB	49.03	8.23E+07	0.77 Y	0.85	0.89	4.7%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:43			
Lab ID:	CS4_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.34	3.39E+08	3.09 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	3.21E+08	3.09 Y	1.25	1.35	7.4%	
PCB-3 4-MoCB	13.56	3.15E+08	3.09 Y	1.24	-	-	
PCB-4 22'-DiCB	13.81	1.79E+08	1.54 Y	0.88	-	-	
PCB-10 26-DiCB	13.99	2.84E+08	1.55 Y	1.40	1.54	10.1%	
PCB-9 25-DiCB	15.76	2.89E+08	1.55 Y	0.98	1.09	11.0%	
PCB-7 24-DiCB	15.92	3.25E+08	1.54 Y	1.12	1.23	9.4%	
PCB-6 23'-DiCB	16.14	3.05E+08	1.54 Y	1.04	1.15	10.6%	
PCB-5 23-DiCB	16.44	3.05E+08	1.54 Y	1.05	1.15	9.9%	
PCB-8 24'-DiCB	16.55	3.14E+08	1.54 Y	1.10	1.18	8.0%	
PCB-14 35-DiCB	18.10	3.57E+08	1.54 Y	1.24	1.35	8.6%	
PCB-11 33'-DiCB	18.87	2.88E+08	1.55 Y	1.01	1.09	7.6%	
PCB-13/12 34'/34-DiCB	19.16	5.79E+08	1.53 Y	0.99	1.09	10.9%	
PCB-15 44'-DiCB	19.44	2.97E+08	1.53 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	1.50E+08	1.03 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	3.98E+08	1.04 Y	1.20	1.32	9.4%	
PCB-17 22'4-TrCB	18.98	1.71E+08	1.04 Y	1.04	1.13	9.2%	
PCB-27 23'6-TrCB	19.18	2.32E+08	1.03 Y	1.42	1.54	8.7%	
PCB-24 236-TrCB	19.31	2.19E+08	1.03 Y	1.35	1.45	7.8%	
PCB-16 22'3-TrCB	19.40	1.31E+08	1.04 Y	0.77	0.87	12.7%	
PCB-32 24'6-TrCB	19.88	2.44E+08	1.04 Y	1.52	1.62	6.5%	
PCB-34 23'5'-TrCB	21.03	2.89E+08	1.05 Y	1.64	1.70	4.0%	
PCB-23 235-TrCB	21.18	2.93E+08	1.04 Y	1.65	1.73	4.5%	
PCB-26/29 23'5/245-TrCB	21.46	5.88E+08	1.05 Y	1.65	1.73	4.8%	
PCB-25 23'4-TrCB	21.66	2.97E+08	1.05 Y	1.64	1.75	6.5%	
PCB-31 24'5-TrCB	21.93	3.01E+08	1.04 Y	1.71	1.78	3.9%	
PCB-28/20 244'/233'-TrCB	22.22	5.68E+08	1.04 Y	1.60	1.68	4.7%	
PCB-21/33 234/23'4'-TrCB	22.39	6.04E+08	1.04 Y	1.64	1.78	8.2%	
PCB-22 234'-TrCB	22.77	2.66E+08	1.04 Y	1.49	1.57	5.2%	
PCB-36 33'5-TrCB	24.16	2.86E+08	1.04 Y	1.57	1.69	7.6%	
PCB-39 34'5-TrCB	24.47	2.92E+08	1.04 Y	1.61	1.72	6.8%	
PCB-38 345-TrCB	25.00	2.72E+08	1.05 Y	1.48	1.61	8.9%	
PCB-35 33'4-TrCB	25.39	2.38E+08	1.05 Y	1.30	1.40	7.6%	
PCB-37 344'-TrCB	25.75	2.50E+08	1.05 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	2.20E+08	0.78 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	3.18E+08	0.78 Y	0.98	1.01	2.4%	
PCB-45 22'36'-TeCB	22.29	1.47E+08	0.77 Y	0.85	0.93	8.8%	
PCB-51 22'46'-TeCB	22.37	1.54E+08	0.78 Y	0.98	0.98	-0.5%	
PCB-46 22'36'-TeCB	22.57	1.27E+08	0.78 Y	0.79	0.81	1.8%	
PCB-52 22'55'-TeCB	23.83	1.51E+08	0.78 Y	0.94	0.96	1.8%	
PCB-73 23'5'6'-TeCB	23.97	2.05E+08	0.77 Y	1.23	1.30	5.3%	

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS4_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 19:42					
Datafile:	130826V08					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.06	1.22E+08	0.78 Y	0.78	0.77	-1.2%
PCB-69/49 23'46/22'45'-TeCB	24.25	3.67E+08	0.78 Y	1.12	1.16	3.7%
PCB-48 22'45'-TeCB	24.53	1.54E+08	0.78 Y	0.95	0.97	2.7%
PCB-44/47/65 ...-TeCB	24.75	4.91E+08	0.78 Y	1.00	1.04	3.9%
PCB-59/62/75 ...-TeCB	25.03	6.33E+08	0.78 Y	1.25	1.33	6.9%
PCB-42 22'34'-TeCB	25.19	1.38E+08	0.78 Y	0.83	0.87	4.5%
PCB-41 22'34'-TeCB	25.52	1.31E+08	0.77 Y	0.75	0.83	9.6%
PCB-71/40 23'4'6/22'33'-TeCB	25.62	3.04E+08	0.78 Y	0.94	0.96	1.7%
PCB-64 23'4'-TeCB	25.81	2.18E+08	0.77 Y	1.31	1.38	5.1%
PCB-72 23'55'-TeCB	26.54	2.27E+08	0.76 Y	1.35	1.44	6.8%
PCB-68 23'45'-TeCB	26.80	2.52E+08	0.76 Y	1.51	1.59	5.6%
PCB-57 23'3'5'-TeCB	27.17	2.25E+08	0.77 Y	1.34	1.42	6.1%
PCB-58 23'3'5'-TeCB	27.37	2.35E+08	0.77 Y	1.41	1.49	5.2%
PCB-67 23'45'-TeCB	27.53	2.44E+08	0.77 Y	1.42	1.55	8.8%
PCB-63 23'4'5'-TeCB	27.75	2.56E+08	0.77 Y	1.52	1.62	6.4%
PCB-61/70/74/76 ...-TeCB	28.05	9.48E+08	0.77 Y	1.36	1.50	10.0%
PCB-66 23'44'-TeCB	28.32	2.15E+08	0.76 Y	1.28	1.36	6.5%
PCB-55 23'3'4'-TeCB	28.47	2.12E+08	0.77 Y	1.24	1.34	8.7%
PCB-56 23'3'4'-TeCB	28.91	2.03E+08	0.77 Y	1.22	1.28	5.5%
PCB-60 23'44'-TeCB	29.10	2.17E+08	0.77 Y	1.27	1.37	7.6%
PCB-80 33'55'-TeCB	29.44	2.43E+08	0.77 Y	1.45	1.54	6.0%
PCB-79 33'45'-TeCB	30.77	2.53E+08	0.77 Y	1.45	1.60	10.2%
PCB-78 33'45'-TeCB	31.25	1.88E+08	0.77 Y	1.10	1.19	8.3%
PCB-104 22'46'6'-PeCB	24.70	2.16E+08	0.63 Y	1.12	-	-
PCB-96 22'36'6'-PeCB	25.01	1.88E+08	0.63 Y	0.95	1.06	11.1%
PCB-103 22'45'6'-PeCB	26.72	1.23E+08	0.62 Y	0.99	1.01	2.0%
PCB-94 22'35'6'-PeCB	26.90	1.08E+08	0.62 Y	0.85	0.90	5.5%
PCB-95 22'35'6'-PeCB	27.28	1.13E+08	0.62 Y	0.92	0.93	1.7%
PCB-100/93 22'44'6/22'35'6'-PeC	27.50	2.42E+08	0.62 Y	0.92	1.00	8.5%
PCB-102 22'45'6'-PeCB	27.61	1.37E+08	0.61 Y	1.03	1.14	10.7%
PCB-98 22'34'6'-PeCB	27.68	1.01E+08	0.62 Y	0.81	0.83	3.4%
PCB-88 22'34'6'-PeCB	27.98	1.04E+08	0.61 Y	0.74	0.86	15.7%
PCB-91 22'34'6'-PeCB	28.04	1.35E+08	0.63 Y	1.06	1.11	4.6%
PCB-84 22'33'6'-PeCB	28.23	9.43E+07	0.62 Y	0.77	0.78	1.2%
PCB-89 22'34'6'-PeCB	28.65	1.03E+08	0.62 Y	0.82	0.85	3.9%
PCB-121 23'45'6'-PeCB	29.02	1.56E+08	0.62 Y	1.21	1.29	6.2%
PCB-92 22'35'5'-PeCB	29.33	1.06E+08	0.62 Y	0.84	0.87	4.7%
PCB-113/90/101 ...-PeCB	29.81	3.88E+08	0.62 Y	1.00	1.07	7.3%
PCB-83 22'33'5'-PeCB	30.25	8.87E+07	0.62 Y	0.71	0.73	3.9%

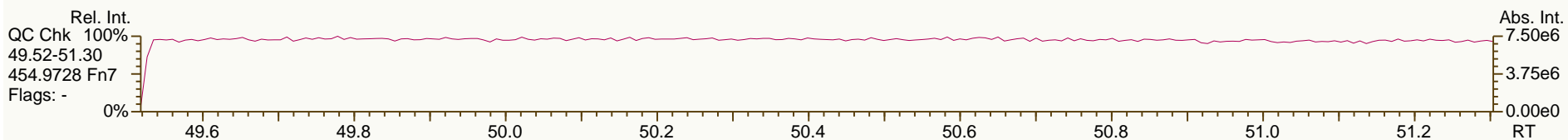
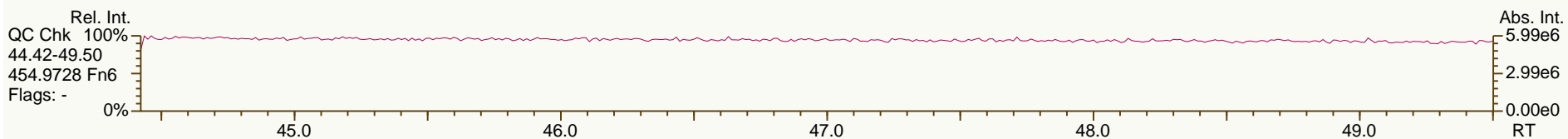
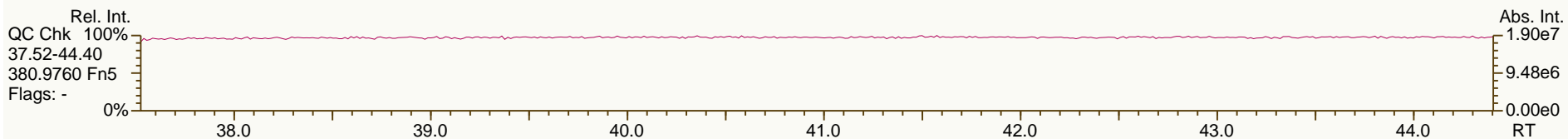
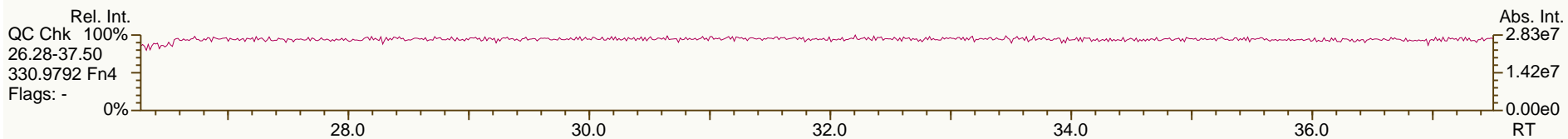
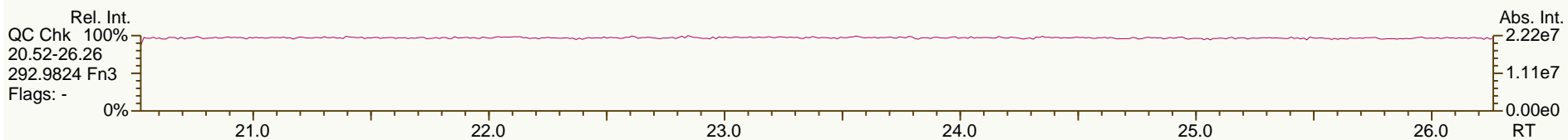
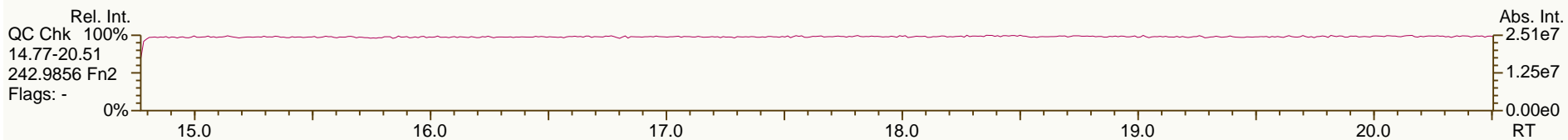
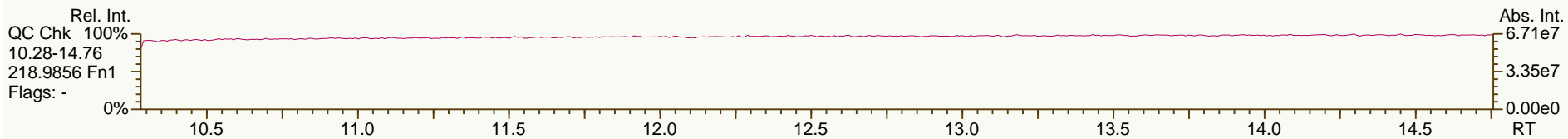
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Lab ID:	CS4_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 19:42						
Datafile:	130826V08						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.35	1.24E+08	0.62 Y	0.90	1.03		13.8%
PCB-112 233'56-PeCB	30.45	1.43E+08	0.62 Y	1.13	1.18		4.5%
PCB-108/119/86/97/125...-PeCB	30.79	8.05E+08	0.62 Y	0.99	1.11		11.8%
PCB-117 234'56-PeCB	31.33	1.52E+08	0.62 Y	1.10	1.26		14.6%
PCB-116/85 23456/22'344'-PeCB	31.42	2.39E+08	0.62 Y	0.95	0.99		3.5%
PCB-110 233'46-PeCB	31.53	1.34E+08	0.61 Y	1.05	1.10		5.1%
PCB-115 2344'6-PeCB	31.63	1.40E+08	0.62 Y	1.13	1.15		2.0%
PCB-82 22'33'4-PeCB	31.81	8.82E+07	0.61 Y	0.69	0.73		6.0%
PCB-111 233'55'-PeCB	32.15	1.50E+08	0.62 Y	1.17	1.24		6.3%
PCB-120 23'455'-PeCB	32.55	1.45E+08	0.62 Y	1.11	1.20		8.6%
PCB-107/124 ...-PeCB	33.51	2.71E+08	0.62 Y	0.99	1.12		13.2%
PCB-109 233'46-PeCB	33.73	1.50E+08	0.61 Y	1.07	1.24		16.2%
PCB-106 233'45-PeCB	33.94	1.30E+08	0.62 Y	0.98	1.08		9.5%
PCB-122 233'4'5'-PeCB	34.40	1.17E+08	0.62 Y	0.87	0.96		10.6%
PCB-127 33'455'-PeCB	36.38	1.21E+08	0.62 Y	0.91	1.03		12.8%
PCB-155 22'44'66'-HxCB	29.68	2.17E+08	1.24 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	2.07E+08	1.25 Y	1.12	1.26		12.3%
PCB-150 22'34'66'-HxCB	29.97	2.05E+08	1.25 Y	1.11	1.25		12.3%
PCB-136 22'33'66'-HxCB	30.27	1.91E+08	1.25 Y	1.04	1.16		11.9%
PCB-145 22'3466'-HxCB	30.55	1.91E+08	1.25 Y	1.05	1.16		10.8%
PCB-148 22'34'56'-HxCB	31.84	1.44E+08	1.26 Y	1.15	1.33		15.6%
PCB-151/135 ...-HxCB	32.35	2.70E+08	1.25 Y	1.11	1.25		12.4%
PCB-154 22'44'56'-HxCB	32.57	1.60E+08	1.24 Y	1.29	1.48		15.1%
PCB-144 22'345'6-HxCB	32.83	1.35E+08	1.24 Y	1.12	1.25		11.0%
PCB-147/149 ...-HxCB	33.14	2.82E+08	1.24 Y	1.15	1.30		13.7%
PCB-134 22'33'56-HxCB	33.31	1.14E+08	1.24 Y	0.88	1.05		19.3%
PCB-143 22'3456'-HxCB	33.39	1.29E+08	1.25 Y	1.10	1.20		9.0%
PCB-139/140 ...-HxCB	33.66	2.88E+08	1.25 Y	1.15	1.33		15.6%
PCB-131 22'33'46-HxCB	33.83	1.21E+08	1.26 Y	0.96	1.12		16.4%
PCB-142 22'3456-HxCB	33.97	1.21E+08	1.24 Y	0.94	1.12		18.2%
PCB-132 22'33'46'-HxCB	34.21	1.23E+08	1.24 Y	0.98	1.14		16.6%
PCB-133 22'33'55'-HxCB	34.63	1.31E+08	1.24 Y	1.03	1.21		17.7%
PCB-165 233'55'6-HxCB	34.97	1.58E+08	1.25 Y	1.25	1.47		17.2%
PCB-146 22'34'55'-HxCB	35.19	1.37E+08	1.23 Y	1.11	1.27		14.4%
PCB-161 233'45'6-HxCB	35.31	1.72E+08	1.26 Y	1.34	1.59		18.5%
PCB-153/168 ...-HxCB	35.75	3.32E+08	1.25 Y	1.33	1.53		14.9%
PCB-141 22'3455'-HxCB	35.88	1.26E+08	1.28 Y	0.98	1.16		18.9%
PCB-130 22'33'45'-HxCB	36.23	1.08E+08	1.26 Y	0.85	1.00		17.9%
PCB-137 22'344'5-HxCB	36.43	1.32E+08	1.23 Y	1.02	1.22		18.9%
PCB-164 233'4'5'6-HxCB	36.51	1.70E+08	1.25 Y	1.35	1.58		17.1%
PCB-163/138/129 ...-HxCB	36.80	4.04E+08	1.24 Y	1.08	1.25		14.9%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:43				
Lab ID:	CS4_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 19:42					
Datafile:	130826V08					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.94	1.57E+08	1.25 Y	1.22	1.45	19.5%
PCB-158 233'44'6-HxCB	37.13	1.76E+08	1.25 Y	1.36	1.62	19.4%
PCB-128/166 ...-HxCB	37.87	2.40E+08	1.24 Y	0.96	1.04	9.0%
PCB-159 233'455'-HxCB	38.70	1.36E+08	1.23 Y	1.08	1.18	8.9%
PCB-162 233'4'55'-HxCB	38.94	1.33E+08	1.24 Y	1.05	1.15	9.6%
PCB-188 22'34'566'-HpCB	34.58	1.92E+08	1.04 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.86	1.75E+08	1.03 Y	0.81	0.92	13.3%
PCB-184 22'344'66'-HpCB	35.33	1.68E+08	1.04 Y	0.78	0.89	12.9%
PCB-176 22'33'466'-HpCB	35.62	1.81E+08	1.03 Y	0.86	0.95	10.7%
PCB-186 22'34566'-HpCB	36.02	1.70E+08	1.03 Y	0.81	0.89	10.1%
PCB-178 22'33'55'6-HpCB	37.17	1.22E+08	1.04 Y	0.57	0.64	13.3%
PCB-175 22'33'45'6-HpCB	37.72	1.21E+08	1.03 Y	0.99	1.06	7.4%
PCB-187 22'34'55'6-HpCB	37.95	1.29E+08	1.04 Y	1.05	1.13	7.8%
PCB-182 22'344'56'-HpCB	38.14	1.32E+08	1.05 Y	1.10	1.16	4.8%
PCB-183 22'344'5'6-HpCB	38.48	1.23E+08	1.03 Y	1.14	1.08	-5.4%
PCB-185 22'3455'6-HpCB	38.56	1.32E+08	1.05 Y	0.99	1.16	16.6%
PCB-174 22'33'456'-HpCB	38.67	1.09E+08	1.04 Y	0.90	0.96	6.1%
PCB-177 22'33'45'6'-HpCB	39.05	1.05E+08	1.04 Y	0.85	0.92	8.5%
PCB-181 22'344'56'-HpCB	39.41	1.21E+08	1.04 Y	0.98	1.06	8.6%
PCB-171/173 ...-HpCB	39.59	2.13E+08	1.04 Y	0.87	0.94	7.4%
PCB-172 22'33'455'-HpCB	40.97	1.04E+08	1.04 Y	0.87	0.92	5.2%
PCB-192 233'455'6-HpCB	41.22	1.35E+08	1.05 Y	1.12	1.18	5.4%
PCB-180/193 ...-HpCB	41.50	2.63E+08	1.04 Y	1.08	1.15	7.1%
PCB-191 233'44'5'6-HpCB	41.84	1.41E+08	1.04 Y	1.15	1.24	8.1%
PCB-170 22'33'44'5-HpCB	42.61	9.84E+07	1.04 Y	0.99	1.06	7.4%
PCB-190 233'44'56-HpCB	43.07	1.34E+08	1.03 Y	1.33	1.45	9.0%
PCB-202 22'33'55'66'-OcCB	39.16	1.44E+08	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	1.59E+08	0.89 Y	0.95	1.04	8.9%
PCB-204 22'344'566'-OcCB	40.55	1.51E+08	0.90 Y	0.89	0.99	10.2%
PCB-197 22'33'44'66'-OcCB	40.75	1.75E+08	0.88 Y	0.95	1.15	20.8%
PCB-200 22'33'4566'-OcCB	40.83	1.40E+08	0.90 Y	0.87	0.91	5.3%
PCB-198/199 ...-OcCB	43.20	2.10E+08	0.88 Y	0.60	0.69	13.7%
PCB-196 22'33'44'56'-OcCB	43.79	1.06E+08	0.89 Y	0.63	0.69	9.6%
PCB-203 22'344'55'6-OcCB	43.96	1.09E+08	0.89 Y	0.64	0.71	11.8%
PCB-195 22'33'44'56-OcCB	45.09	7.94E+07	0.91 Y	0.82	0.87	6.7%
PCB-194 22'33'44'55'-OcCB	47.10	8.50E+07	0.91 Y	0.90	0.93	4.1%
PCB-205 233'44'55'6-OcCB	47.51	1.05E+08	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	1.25E+08	0.77 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.70	1.29E+08	0.77 Y	1.01	1.10	9.6%
PCB-206 22'33'44'55'6-NoCB	49.03	8.23E+07	0.77 Y	0.85	-	-

SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

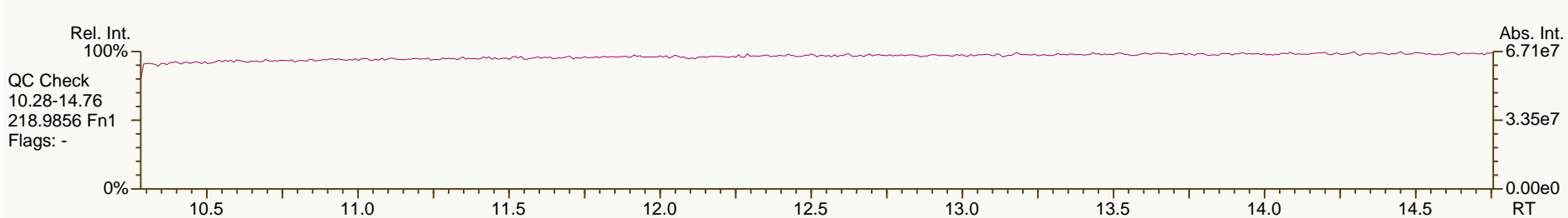
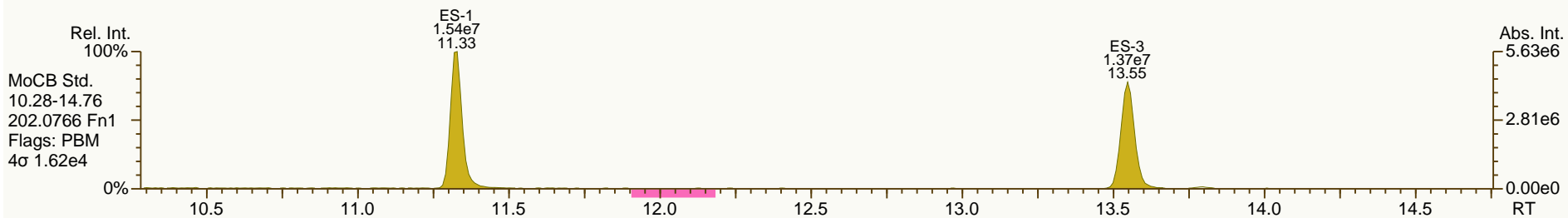
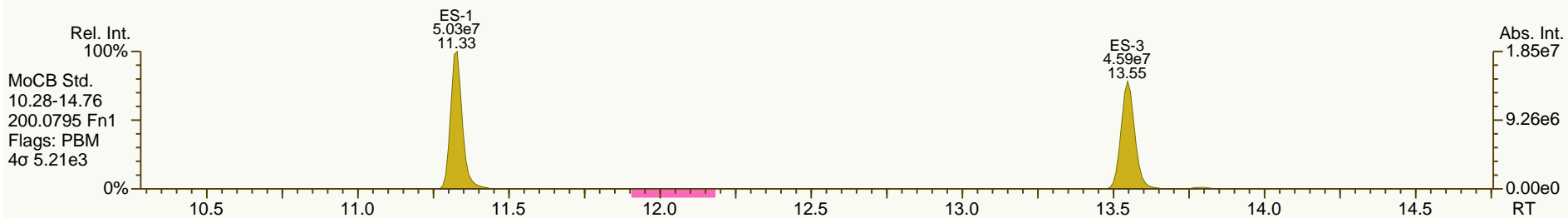
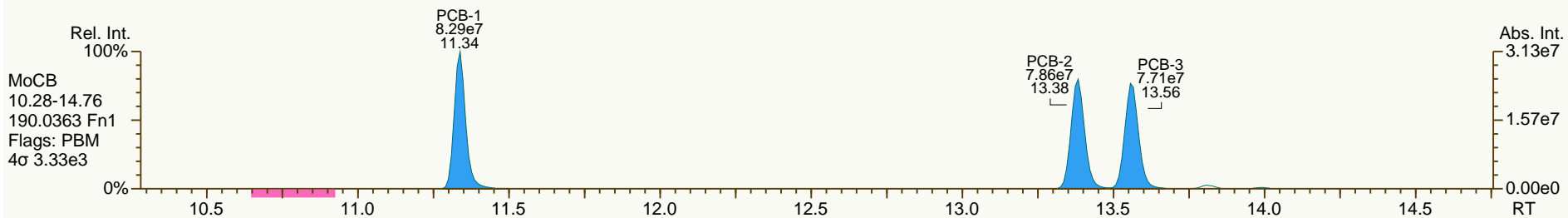
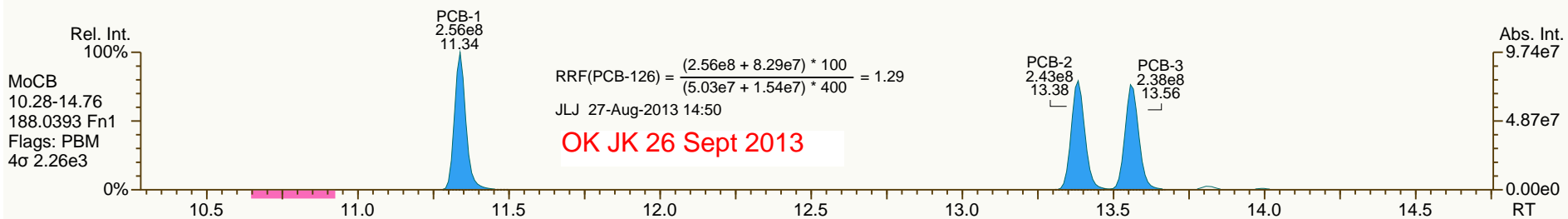
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

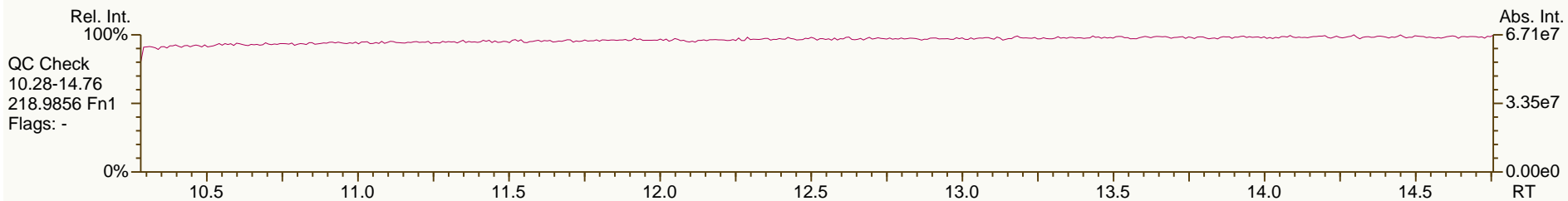
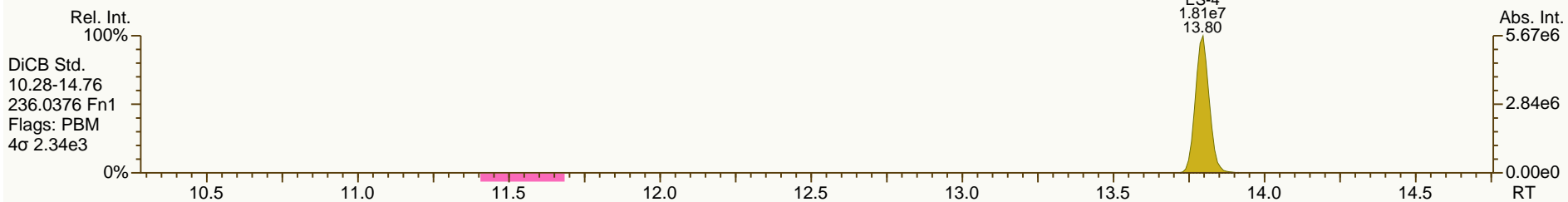
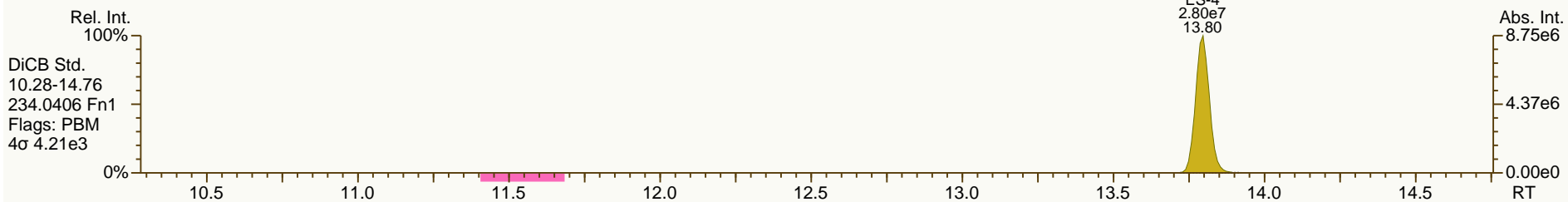
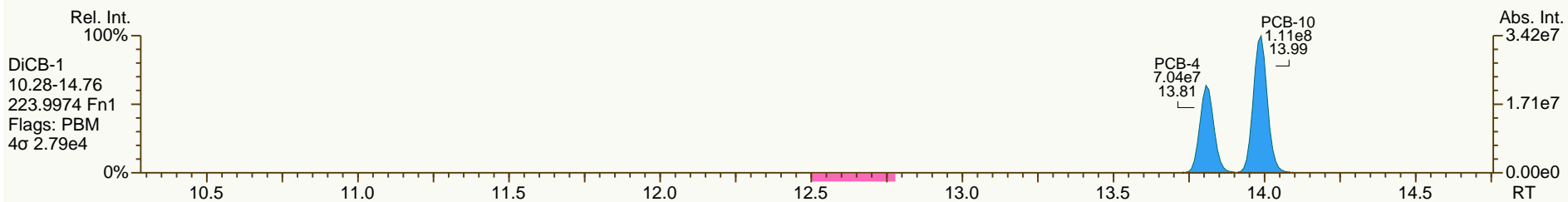
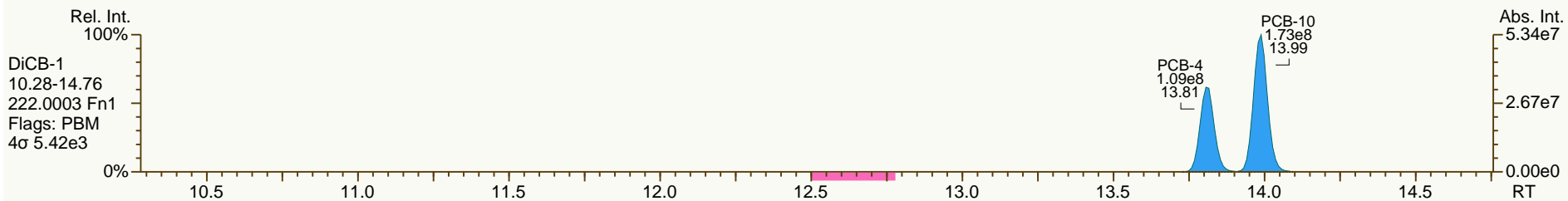
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

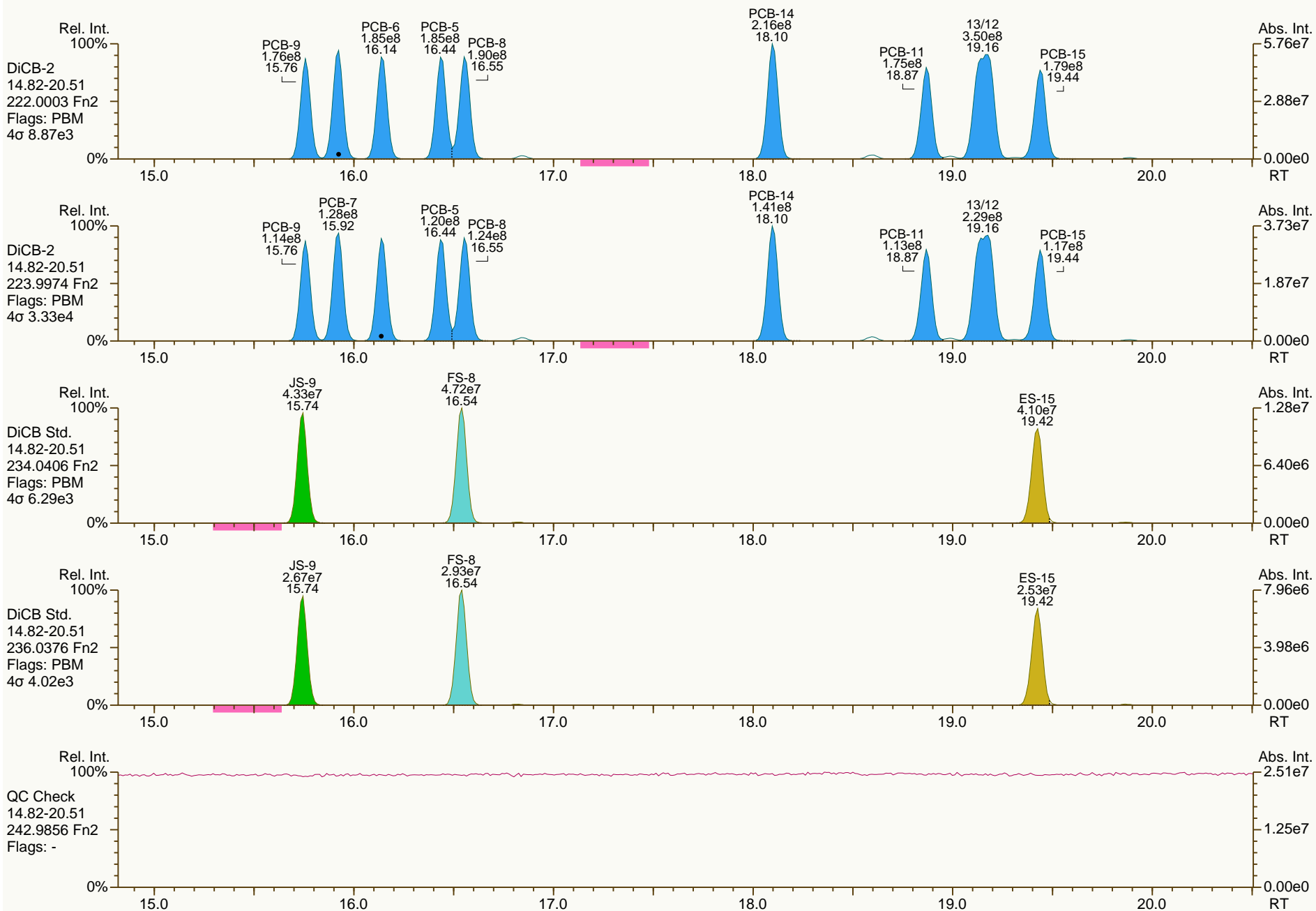
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

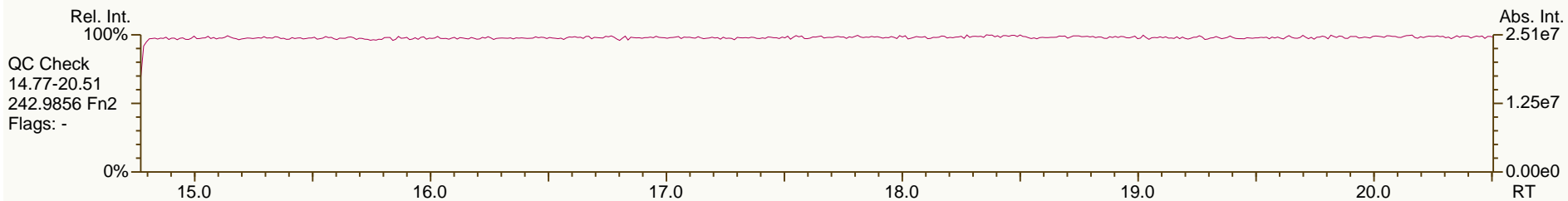
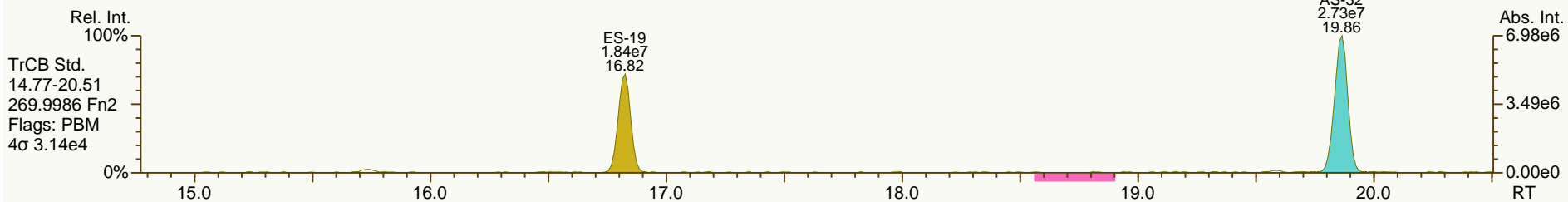
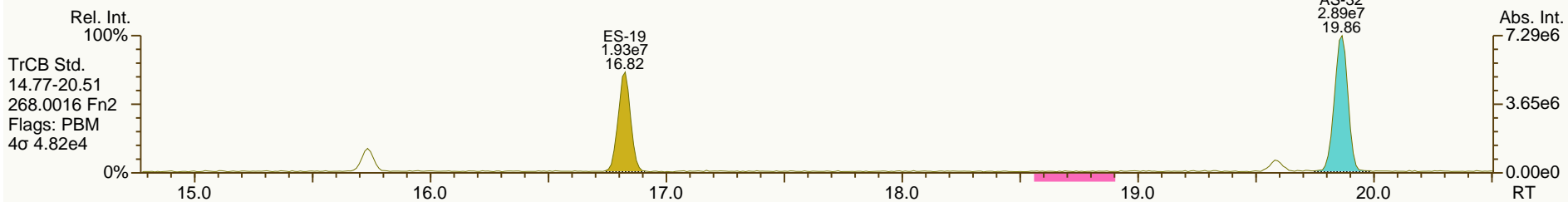
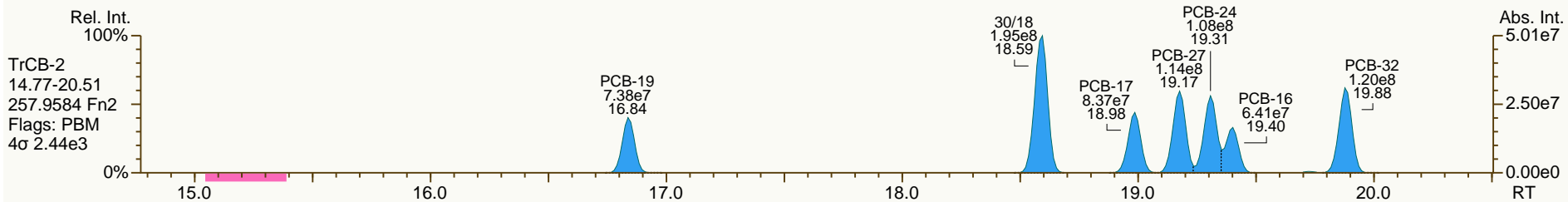
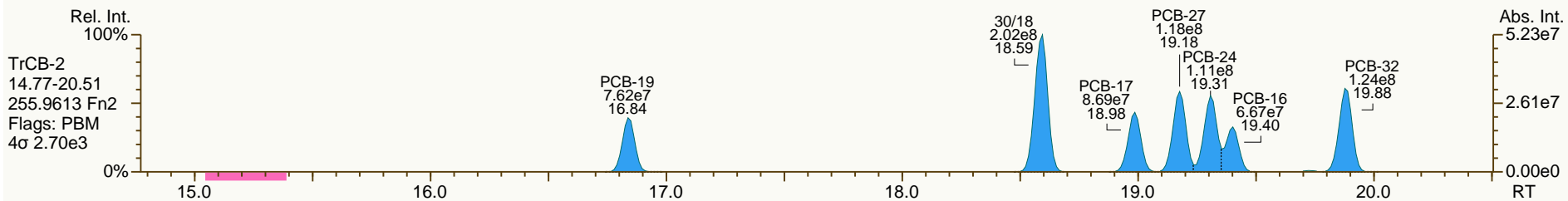
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

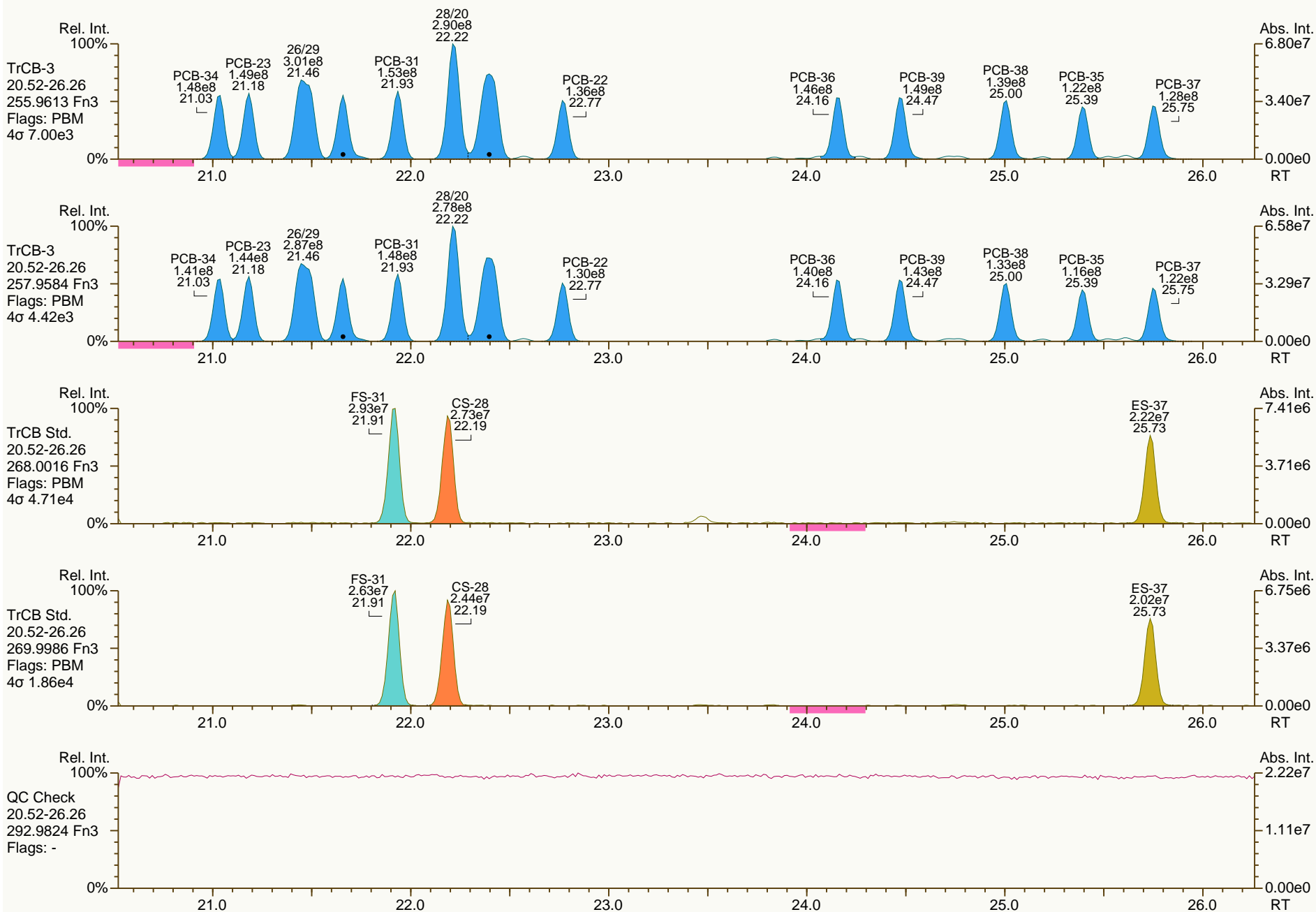
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SGS-AP ID: CS4_130826_PCB_VA
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Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

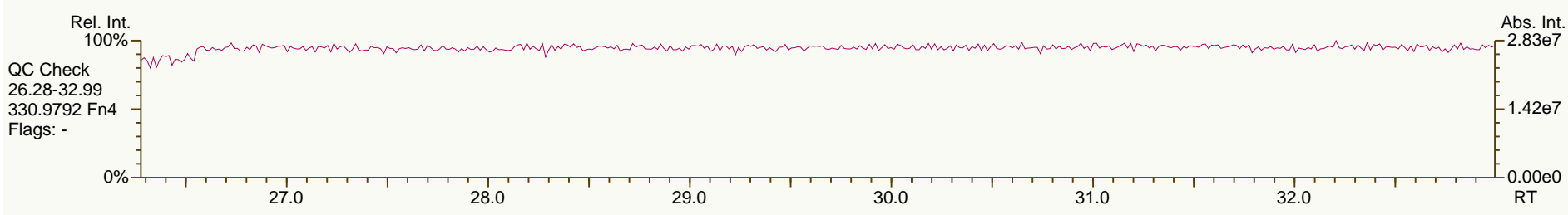
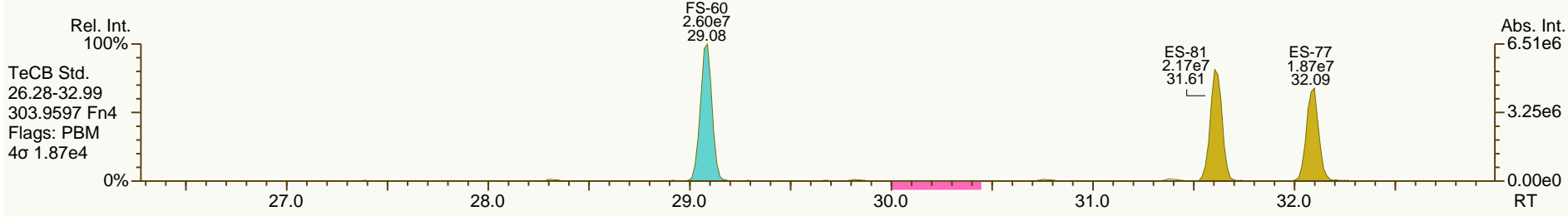
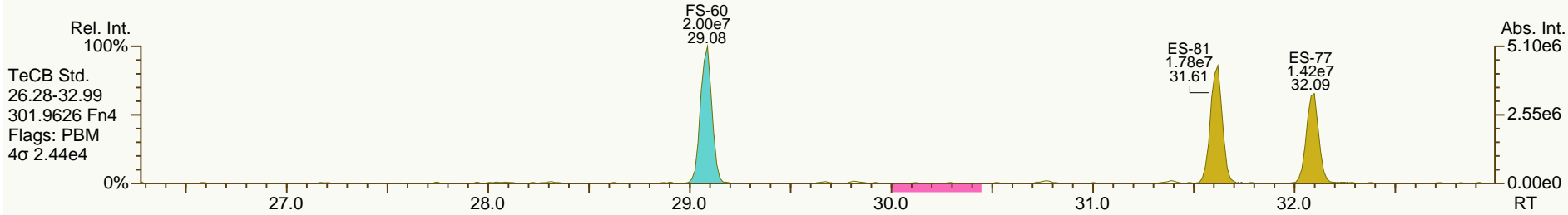
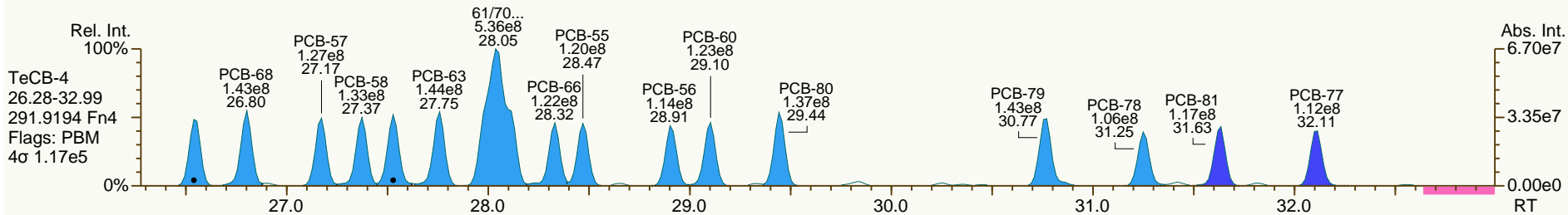
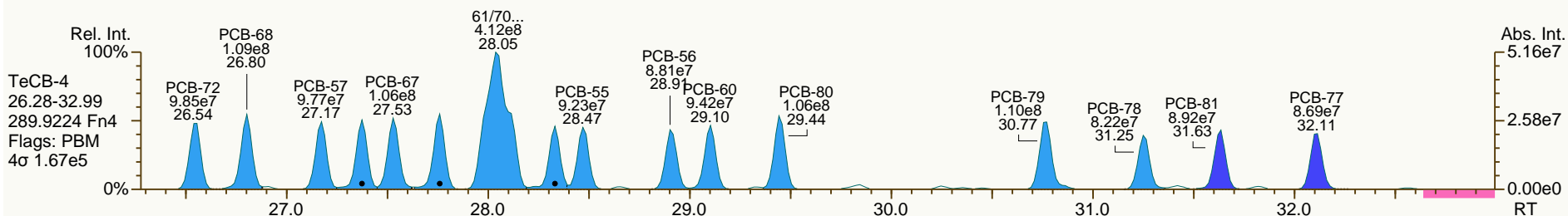
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User: JLJ Datafile: 130826V08



SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

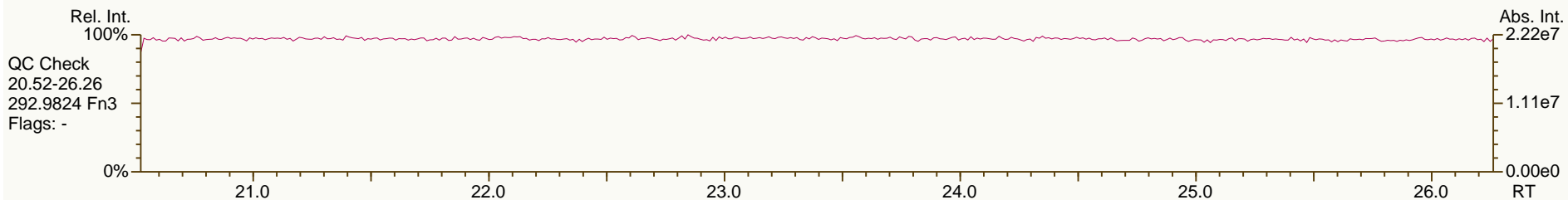
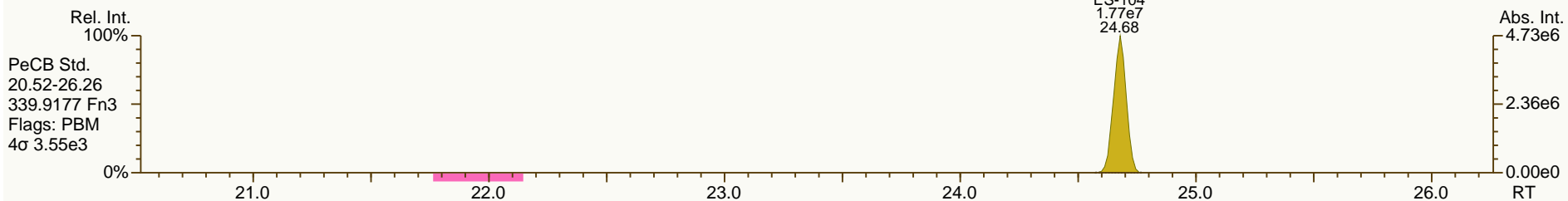
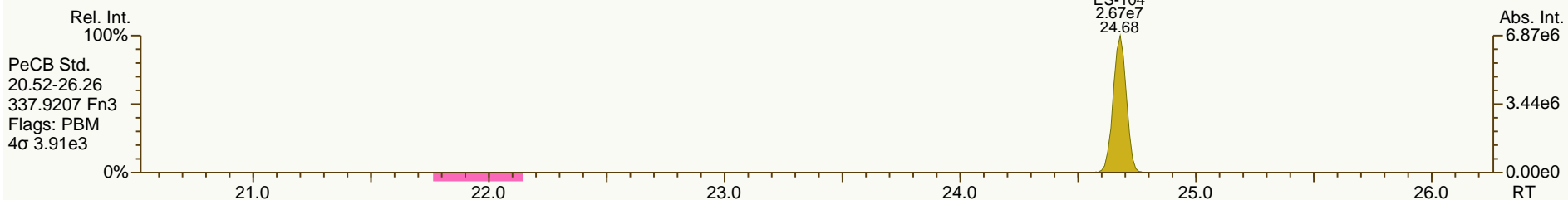
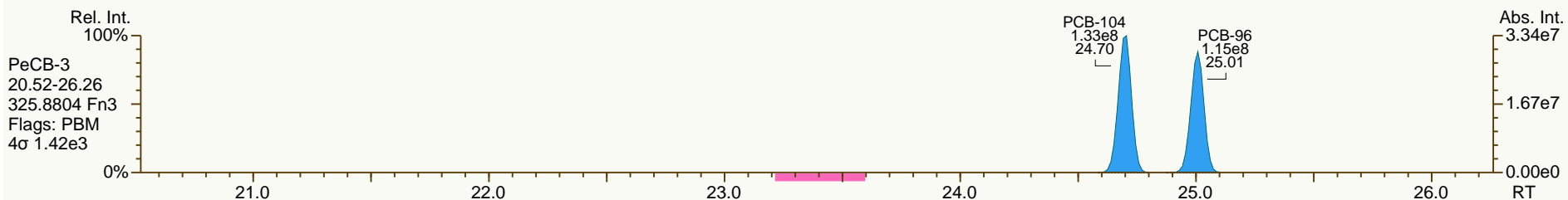
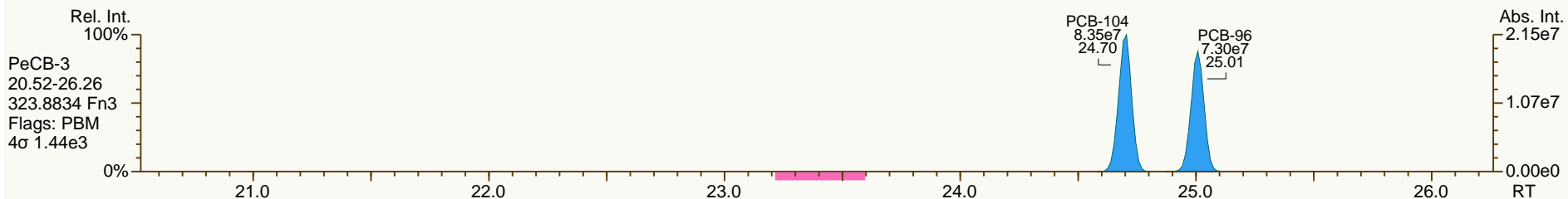
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

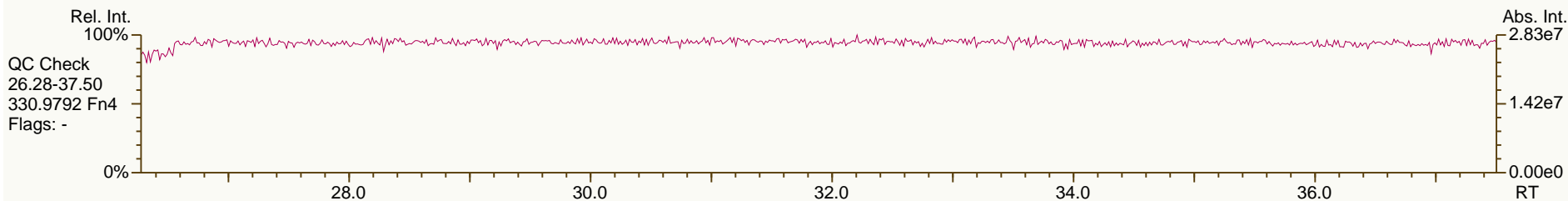
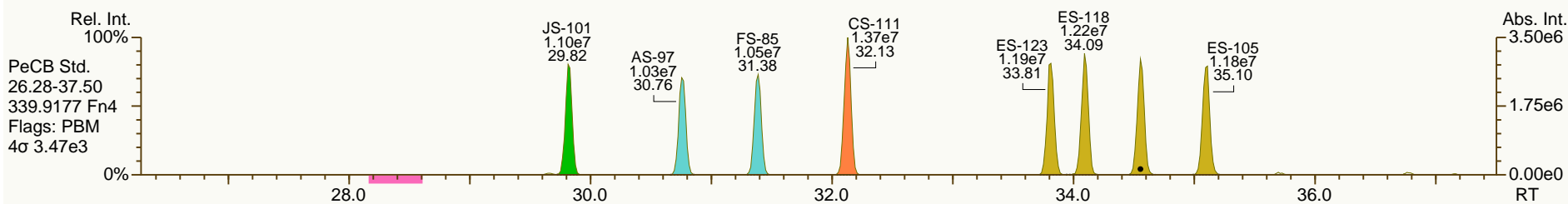
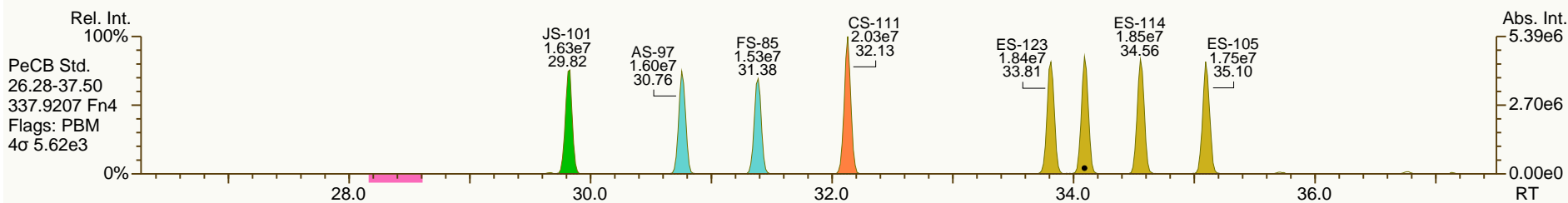
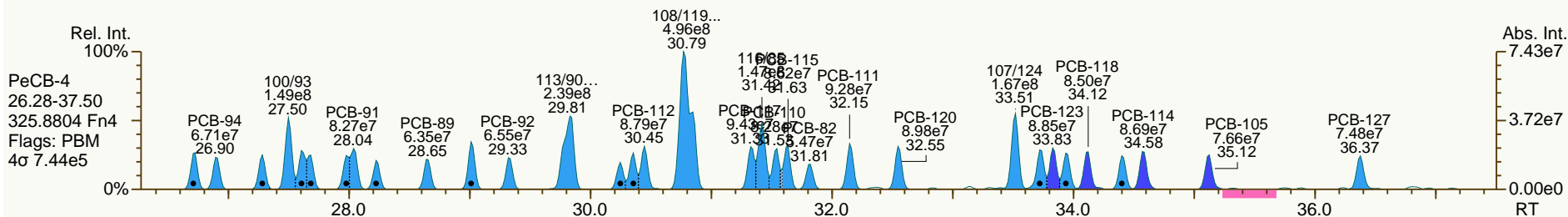
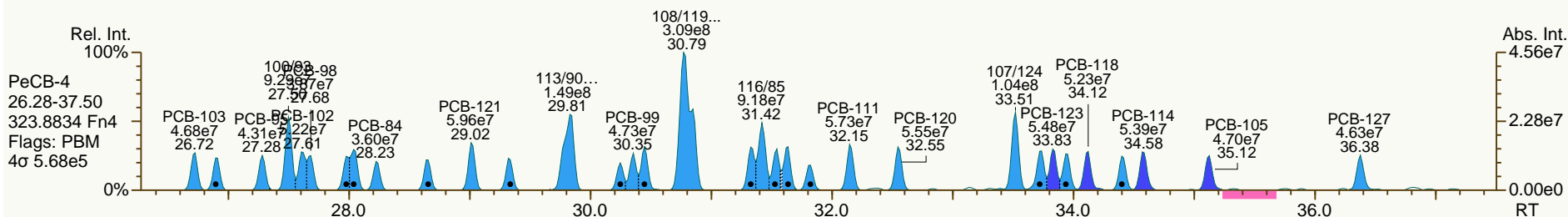
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

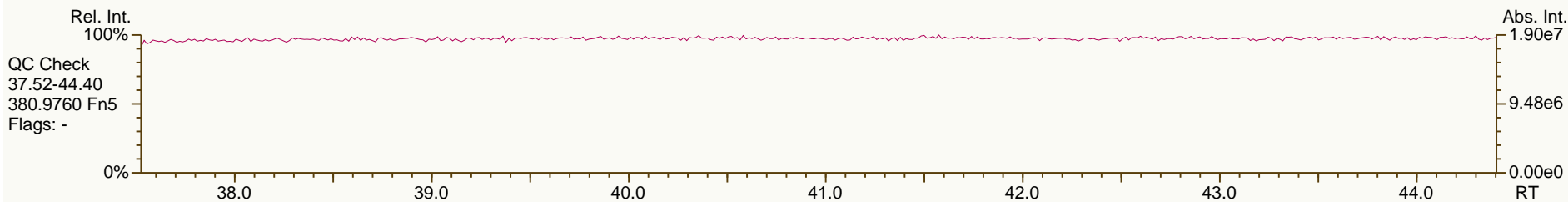
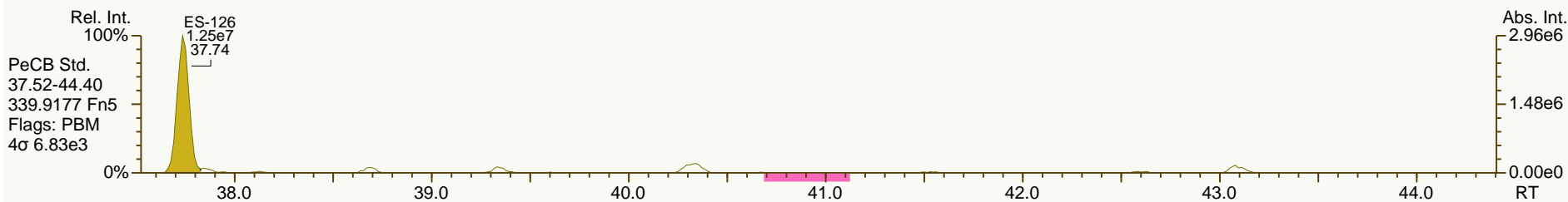
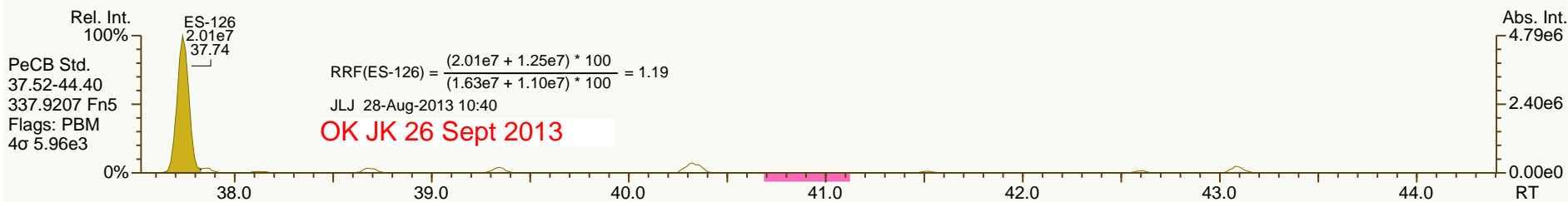
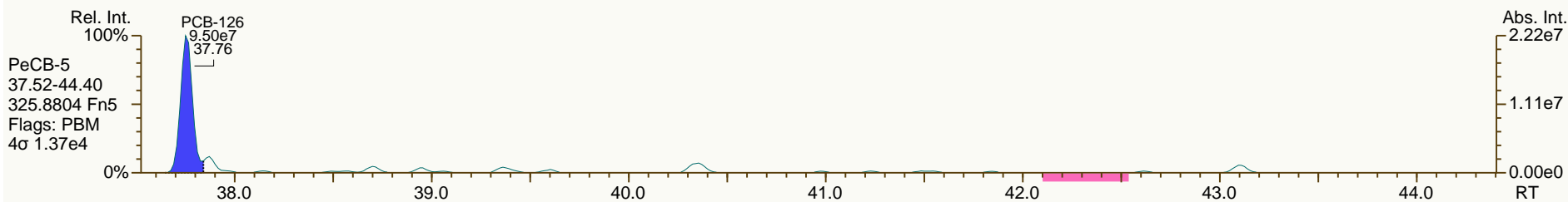
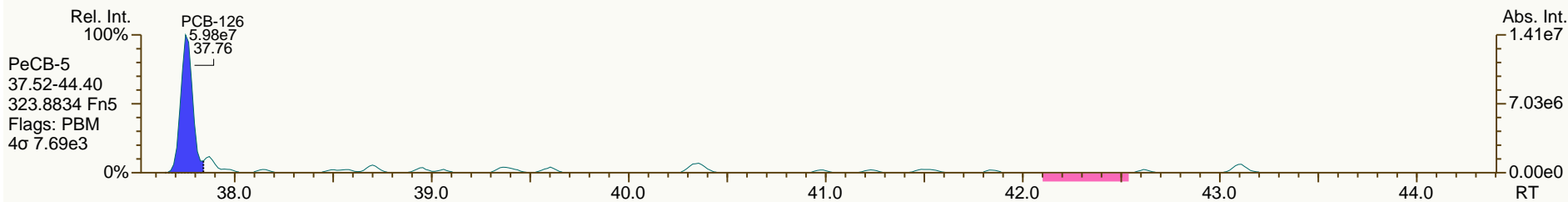
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

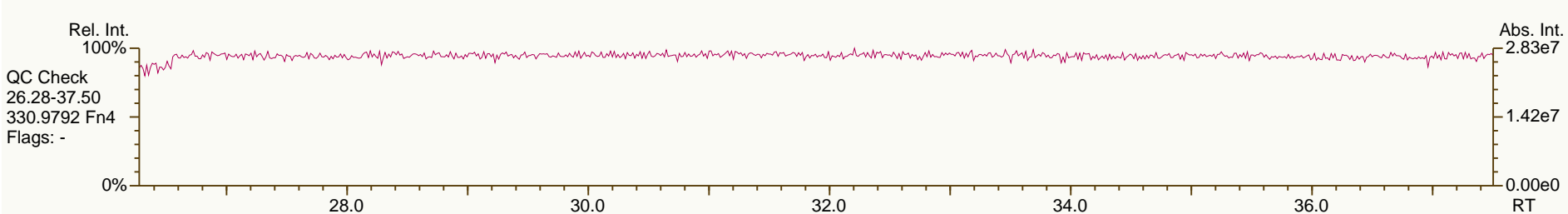
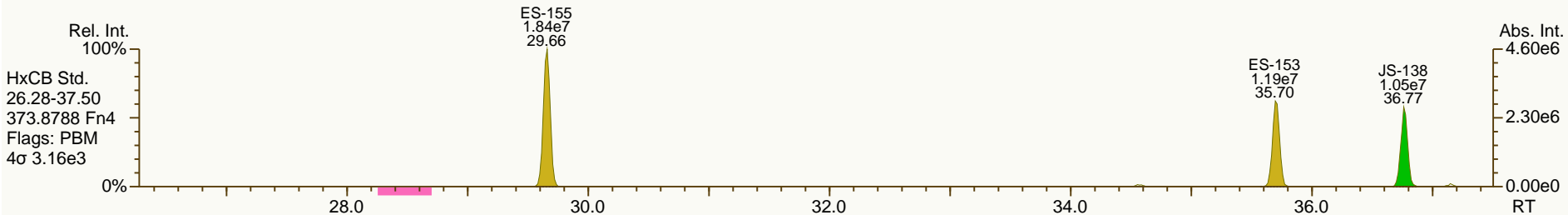
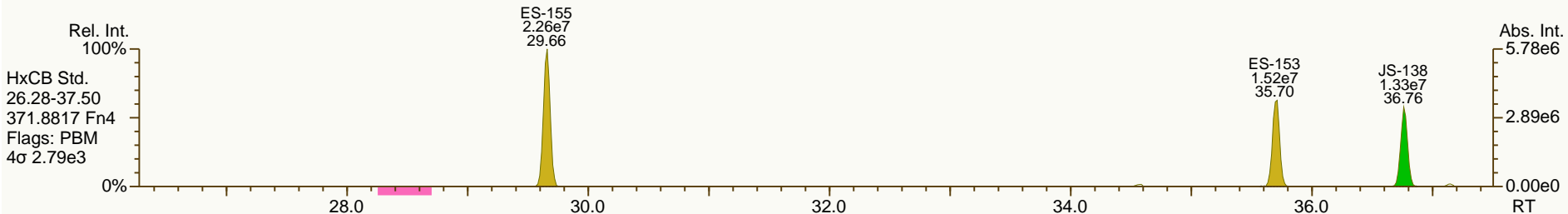
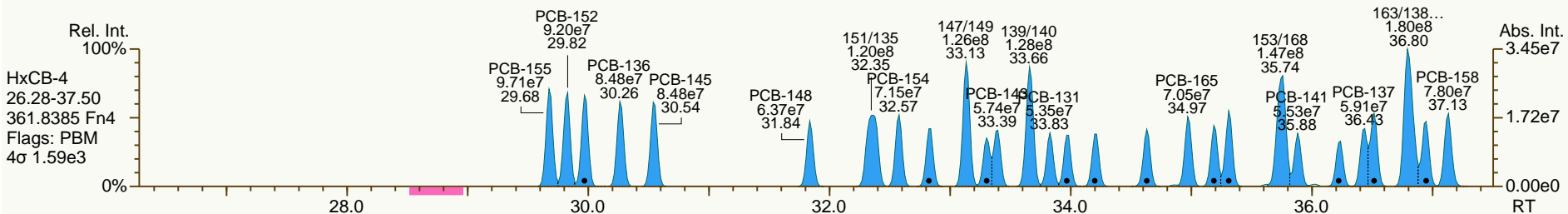
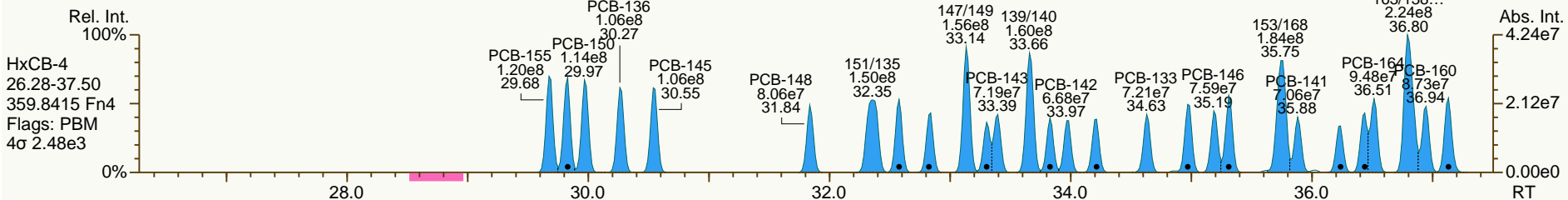
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

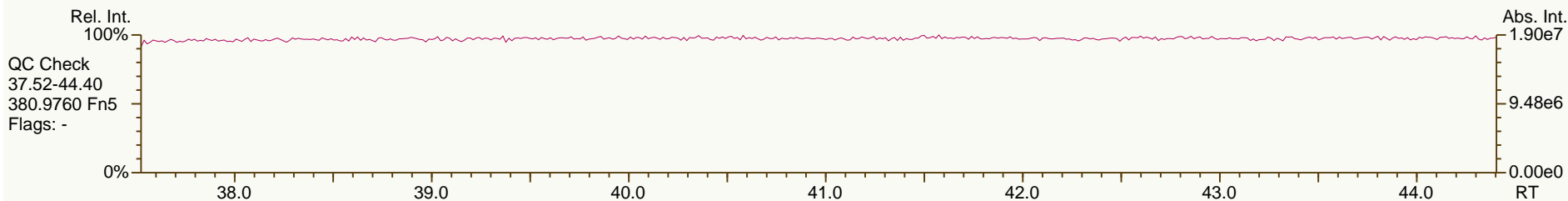
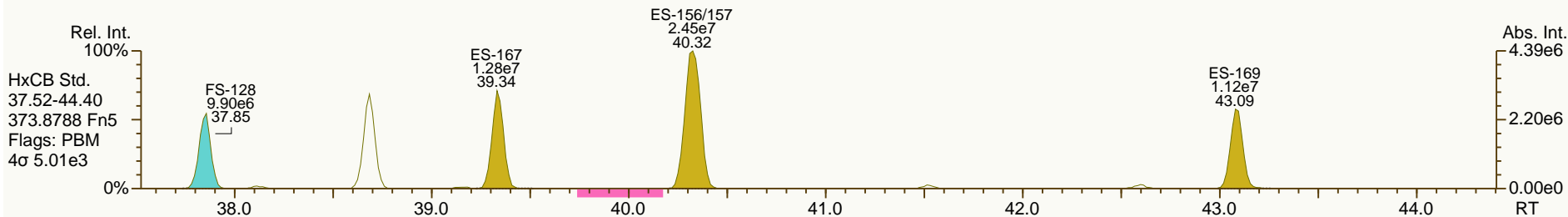
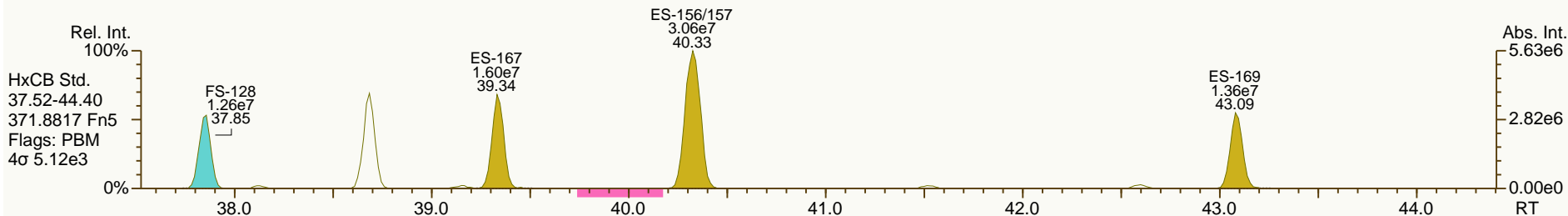
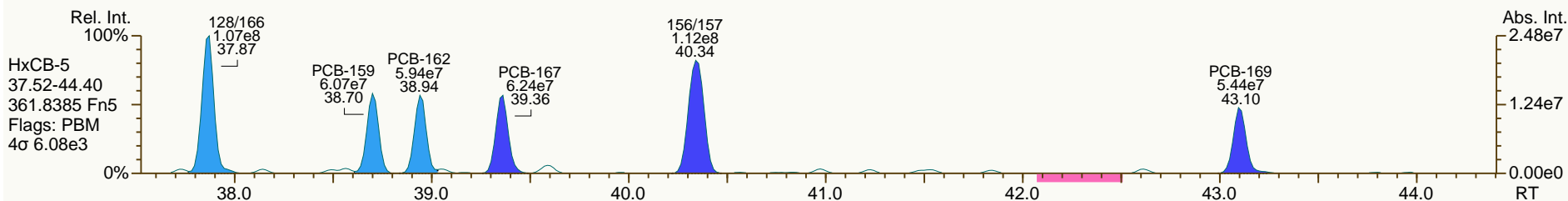
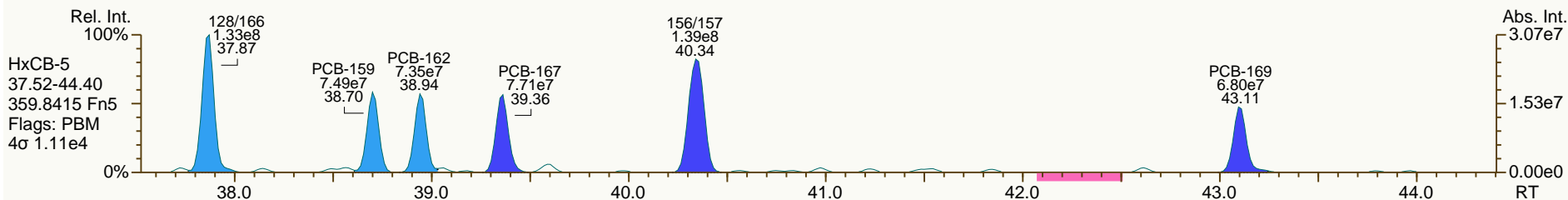
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

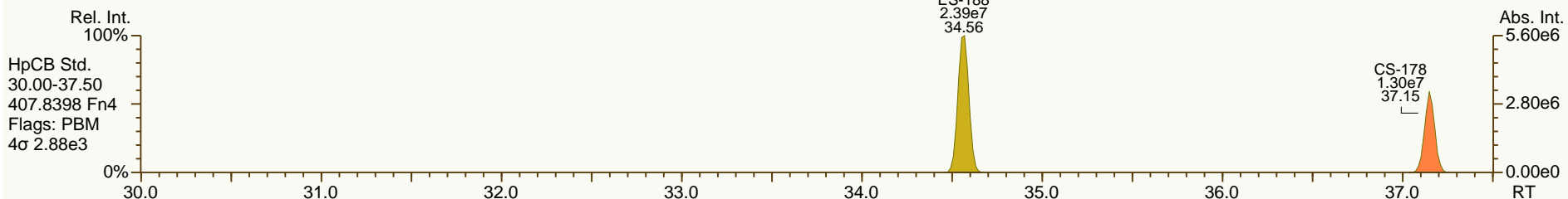
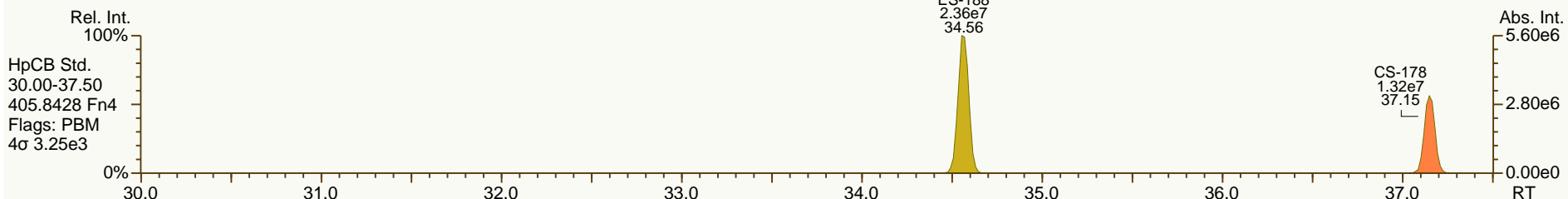
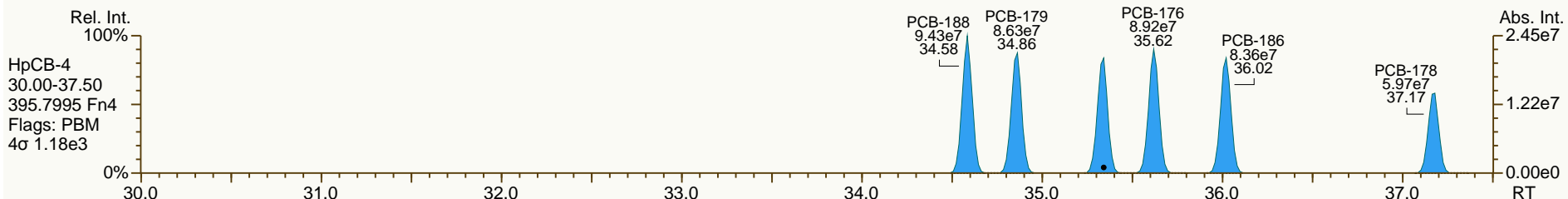
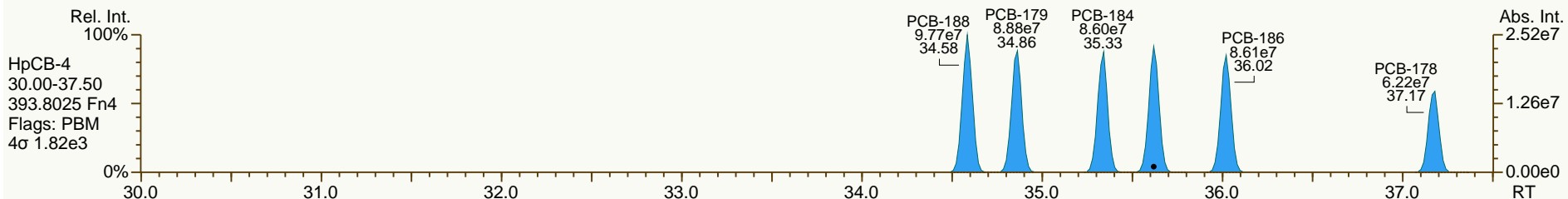
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

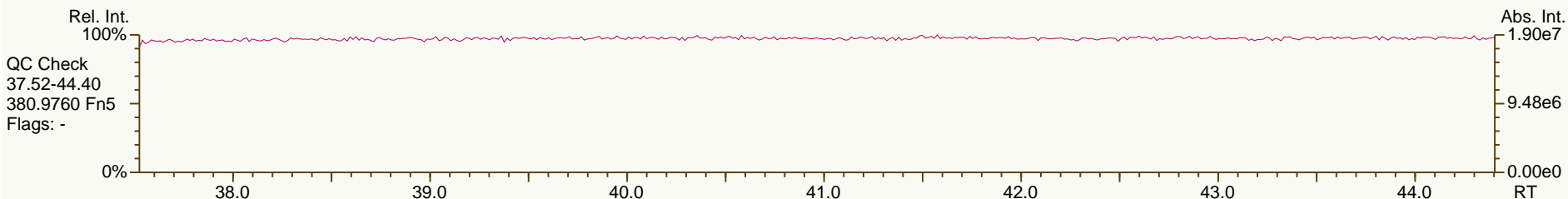
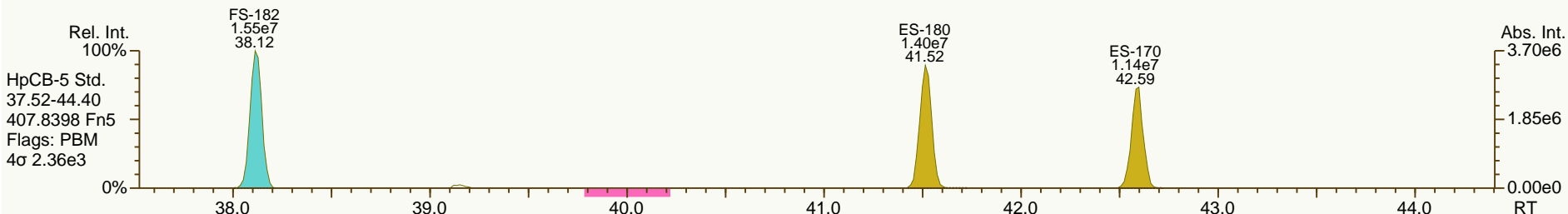
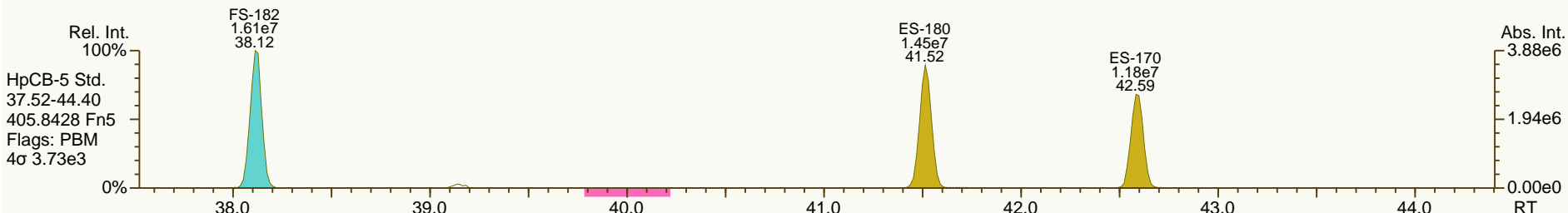
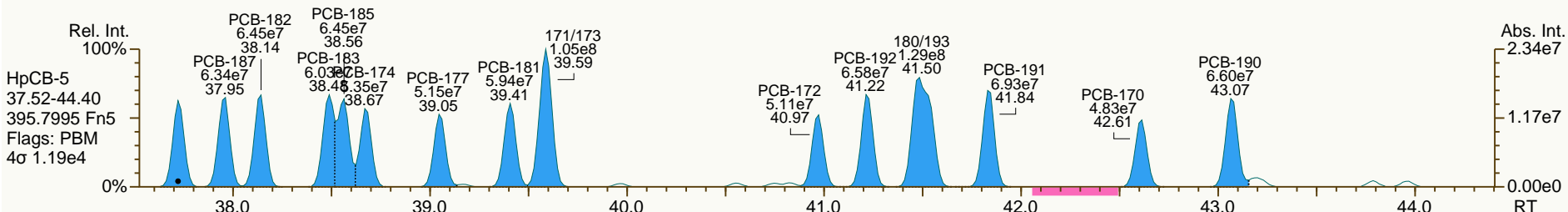
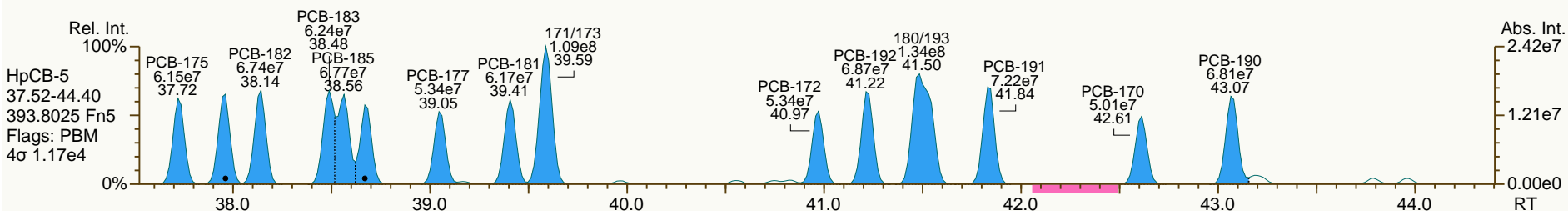
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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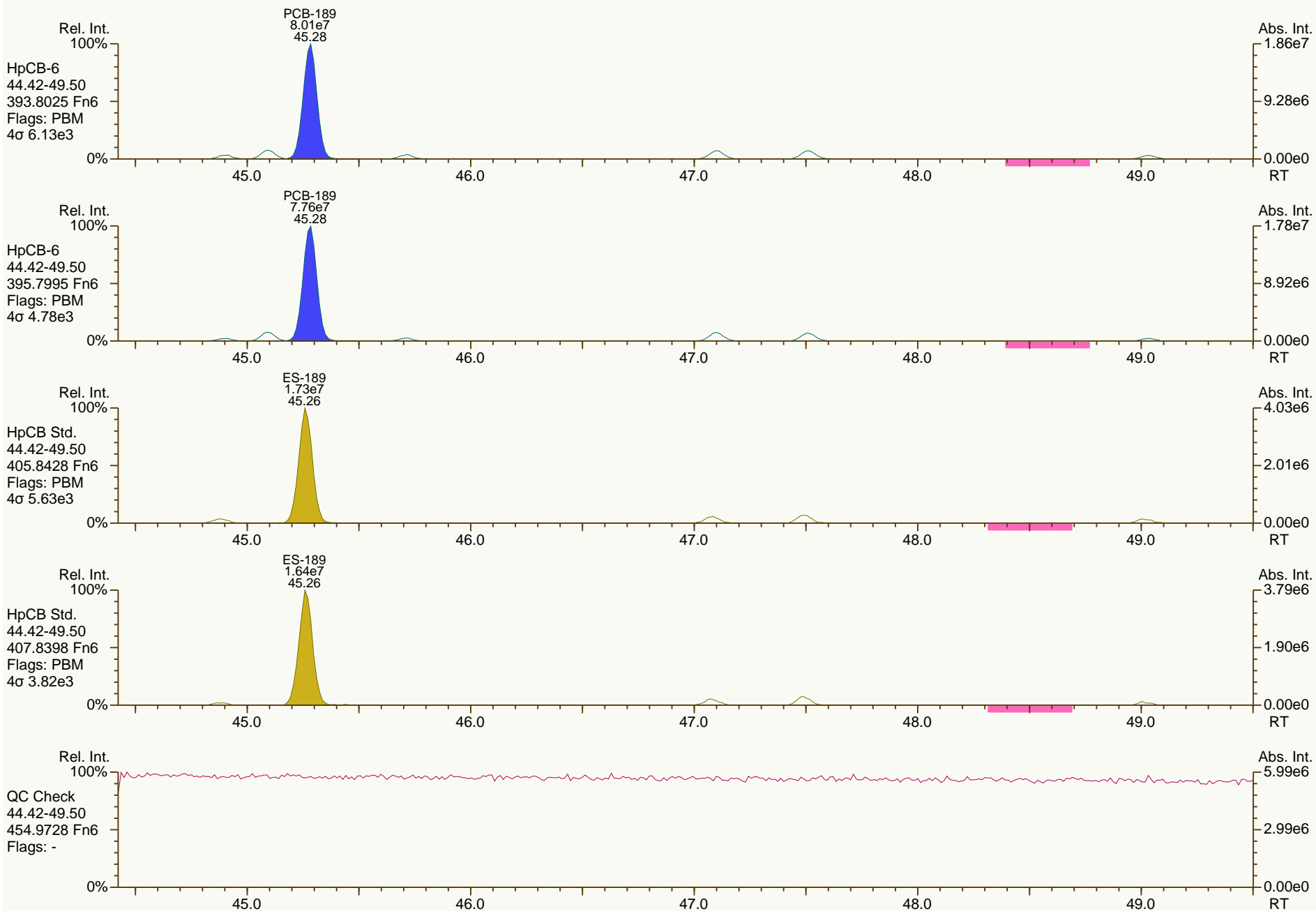
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

Acq: 26-Aug-2013 19:42:07
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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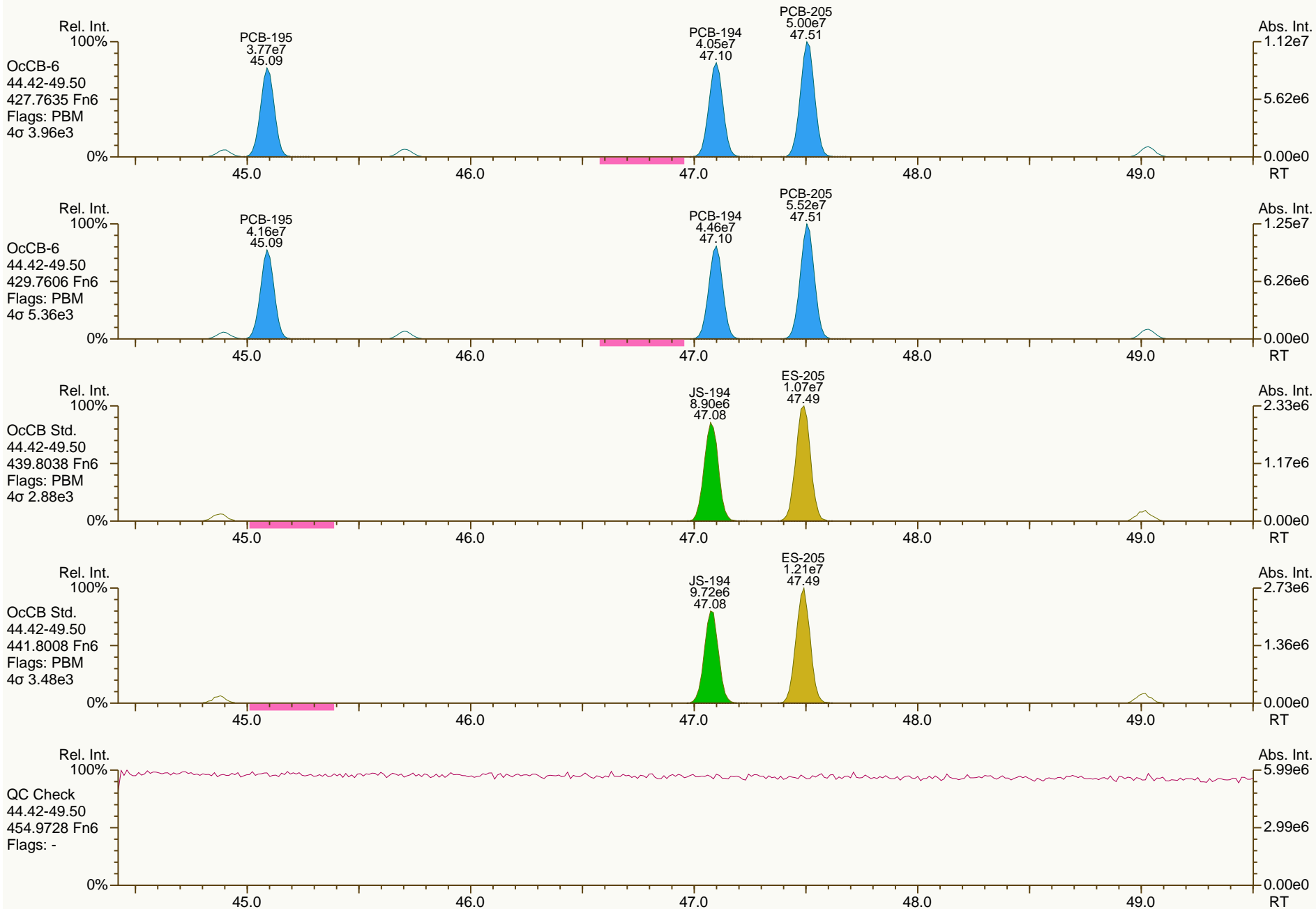
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SGS-AP ID: CS4_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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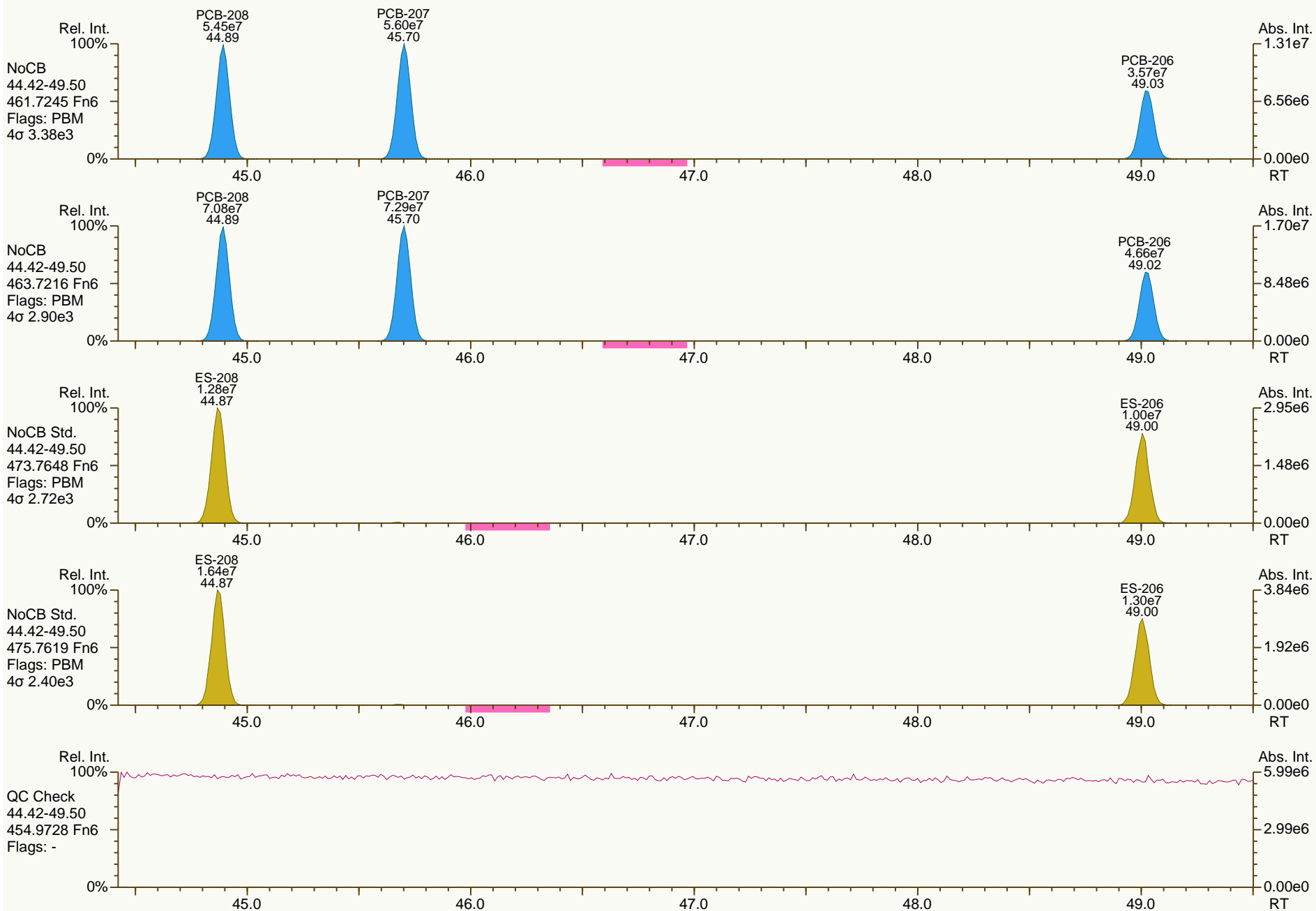
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

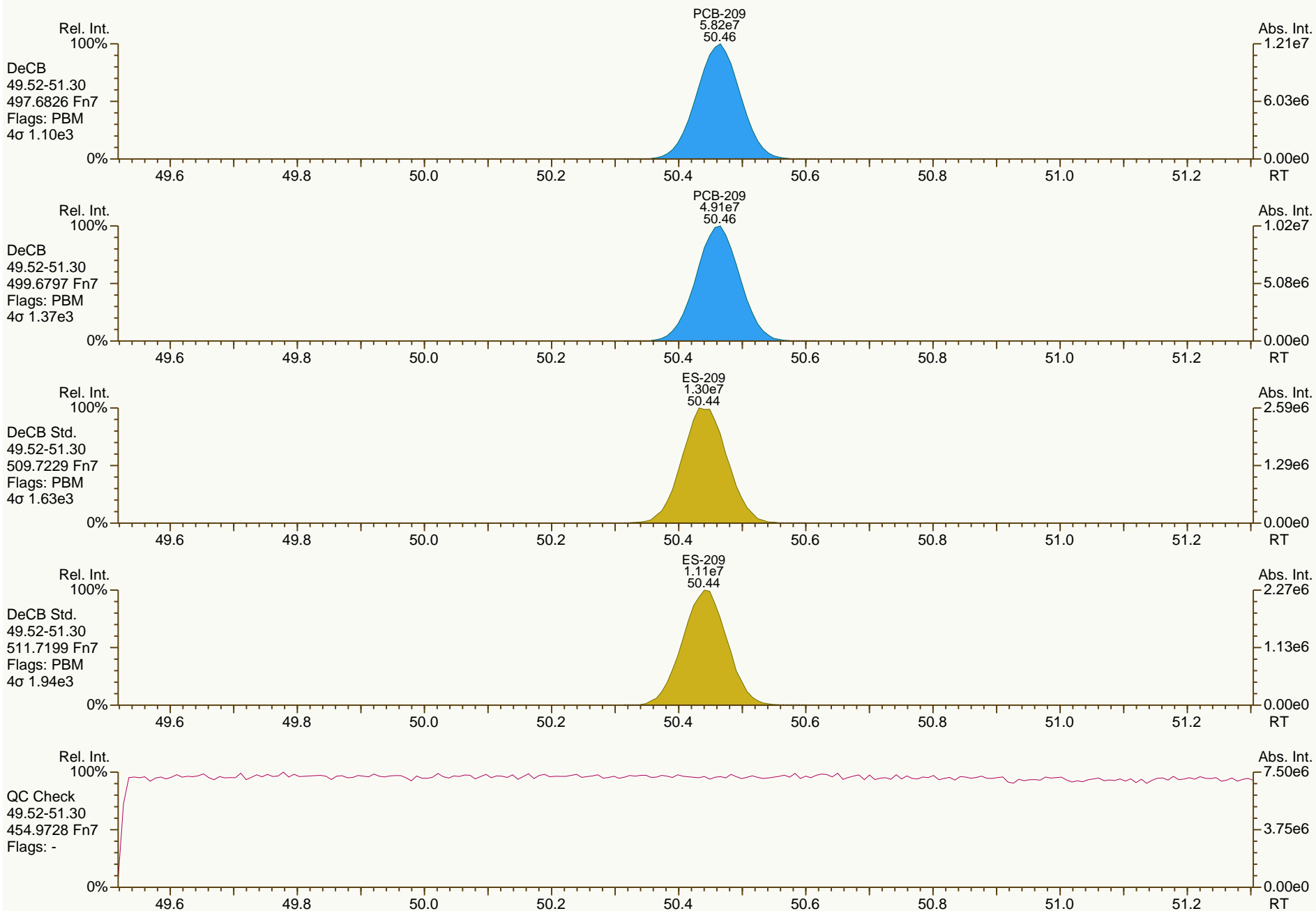
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SGS-AP ID: CS4_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-2
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 9

Acq: 26-Aug-2013 19:42:07
 User: JLJ Datafile: 130826V08



PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:44		
Lab ID:	CS5_130826_PCB_VA						
Acquired:	26-AUG-2013 20:37			ICAL: MM6_PCB_07122013_27AUG2013			
Datafile:	130826V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
PCB-77 33'44'-TeCB	32.11	1.21E+09	0.78 Y	1.37	1.46	6.8%	
PCB-81 344'5'-TeCB	31.63	1.24E+09	0.77 Y	1.20	1.24	2.7%	
PCB-105 233'44'-PeCB	35.12	7.49E+08	0.61 Y	0.97	1.05	7.9%	
PCB-114 2344'5'-PeCB	34.57	8.40E+08	0.63 Y	1.06	1.16	8.9%	
PCB-118 23'44'5'-PeCB	34.11	8.20E+08	0.62 Y	1.00	1.09	8.3%	
PCB-123 23'44'5'-PeCB	33.83	8.59E+08	0.62 Y	1.08	1.16	7.9%	
PCB-126 33'44'5'-PeCB	37.75	9.45E+08	0.63 Y	1.08	1.14	5.0%	
PCB-156/157 ...-HxCB	40.34	1.50E+09	1.25 Y	1.07	1.11	3.9%	
PCB-167 23'44'55'-HxCB	39.35	8.23E+08	1.24 Y	1.11	1.19	6.6%	
PCB-169 33'44'55'-HxCB	43.10	7.33E+08	1.27 Y	1.15	1.19	3.1%	
PCB-189 233'44'55'-HpCB	45.28	9.26E+08	1.04 Y	1.10	1.13	2.3%	
PCB-209 DeCB	50.47	5.95E+08	1.18 Y	1.04	1.08	4.5%	
ES PCB-1	11.32	7.02E+07	3.27 Y	0.95	0.93	-1.6%	
ES PCB-3	13.55	6.54E+07	3.33 Y	0.85	0.87	1.6%	
ES PCB-4	13.79	4.86E+07	1.54 Y	0.67	0.64	-3.4%	
ES PCB-15	19.42	7.75E+07	1.60 Y	0.94	1.03	9.5%	
ES PCB-19	16.82	4.03E+07	1.04 Y	0.54	0.53	-1.7%	
ES PCB-37	25.73	5.09E+07	1.13 Y	1.08	1.23	14.1%	
ES PCB-54	19.70	5.01E+07	0.77 Y	1.27	1.21	-5.1%	
ES PCB-77	32.09	4.14E+07	0.76 Y	0.84	1.00	18.6%	
ES PCB-81	31.61	5.01E+07	0.78 Y	0.98	1.21	23.1%	
ES PCB-104	24.68	4.66E+07	1.50 Y	1.69	1.50	-10.9%	
ES PCB-105	35.09	3.57E+07	1.56 Y	1.08	1.15	6.9%	
ES PCB-114	34.55	3.63E+07	1.54 Y	1.11	1.17	5.7%	
ES PCB-118	34.09	3.77E+07	1.54 Y	1.13	1.22	7.8%	
ES PCB-123	33.81	3.70E+07	1.52 Y	1.10	1.19	8.2%	
ES PCB-126	37.74	4.15E+07	1.61 Y	1.17	1.34	14.2%	
ES PCB-153	35.70	3.21E+07	1.29 Y	1.19	1.16	-2.8%	
ES PCB-155	29.65	4.42E+07	1.24 Y	1.80	1.59	-11.5%	
ES PCB-156/157	40.32	6.78E+07	1.26 Y	1.13	1.22	8.4%	
ES PCB-167	39.33	3.46E+07	1.26 Y	1.20	1.25	4.1%	
ES PCB-169	43.08	3.09E+07	1.24 Y	1.00	1.11	12.0%	
ES PCB-170	42.58	2.69E+07	1.06 Y	1.24	1.25	0.9%	
ES PCB-180	41.51	3.34E+07	1.07 Y	1.51	1.56	3.2%	
ES PCB-188	34.56	5.20E+07	1.01 Y	2.06	1.88	-8.8%	
ES PCB-189	45.26	4.11E+07	1.07 Y	1.78	1.92	7.5%	
ES PCB-202	39.14	4.28E+07	0.89 Y	1.66	1.54	-6.8%	
ES PCB-205	47.49	2.66E+07	0.91 Y	1.22	1.24	1.9%	
ES PCB-206	49.01	2.59E+07	0.78 Y	1.23	1.21	-2.2%	
ES PCB-208	44.87	3.31E+07	0.79 Y	1.60	1.54	-3.9%	
ES PCB-209	50.45	2.74E+07	1.17 Y	1.31	1.28	-2.5%	

PCB QC Summary		SGS Analytical Perspectives			Processed: 27-Aug-2013 11:44		
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013					
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA	ICAL	RRF	Dev'n	
SS PCB-28	22.19	5.88E+07	1.12 Y	1.25	1.15	-7.9%	
SS PCB-111	32.12	4.03E+07	1.51 Y	1.15	1.09	-5.5%	
SS PCB-178	37.14	2.91E+07	1.01 Y	0.54	0.56	4.0%	
CS PCB-28	22.19	5.88E+07	1.12 Y	1.34	1.42	5.4%	
CS PCB-111	32.12	4.03E+07	1.51 Y	1.27	1.30	2.4%	
CS PCB-178	37.14	2.91E+07	1.01 Y	1.11	1.05	-5.0%	
JS PCB-9	15.74	7.54E+07	1.61 Y		-	-	
JS PCB-52	23.81	4.15E+07	0.78 Y		-	-	
JS PCB-101	29.81	3.10E+07	1.55 Y		-	-	
JS PCB-138	36.76	2.77E+07	1.24 Y		-	-	
JS PCB-194	47.08	2.15E+07	0.92 Y		-	-	
PCB-1 2-MoCB	11.34	1.73E+09	3.06 Y	1.19	1.23	3.6%	
PCB-3 4-MoCB	13.56	1.64E+09	3.07 Y	1.24	1.26	1.3%	
PCB-4 22'-DiCB	13.81	9.30E+08	1.54 Y	0.88	0.96	8.4%	
PCB-15 44'-DiCB	19.44	1.66E+09	1.54 Y	1.01	1.07	5.4%	
PCB-19 22'6'-TrCB	16.84	7.79E+08	1.04 Y	0.92	0.97	4.7%	
PCB-37 344'-TrCB	25.75	1.42E+09	1.04 Y	1.35	1.39	2.6%	
PCB-54 22'66'-TeCB	19.72	1.16E+09	0.80 Y	1.08	1.16	7.1%	
PCB-104 22'466'-PeCB	24.70	1.13E+09	0.63 Y	1.12	1.21	7.8%	
PCB-155 22'44'66'-HxCB	29.67	1.18E+09	1.25 Y	1.21	1.34	10.6%	
PCB-188 22'34'566'-HpCB	34.58	1.04E+09	1.05 Y	0.91	1.00	10.2%	
PCB-202 22'33'55'66'-OcCB	39.16	7.90E+08	0.89 Y	0.86	0.92	7.1%	
PCB-205 233'44'55'6'-OcCB	47.51	6.12E+08	0.91 Y	1.09	1.15	5.5%	
PCB-208 22'33'455'66'-NoCB	44.89	6.86E+08	0.77 Y	1.00	1.04	4.0%	
PCB-206 22'33'44'55'6'-NoCB	49.03	4.54E+08	0.77 Y	0.85	0.88	3.0%	

PCB QC Summary - Ax2 Detail				Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA		RRF		
PCB-1 2-MoCB	11.34	1.73E+09	3.06 Y	1.19	-	-	-
PCB-2 3-MoCB	13.38	1.68E+09	3.08 Y	1.25	1.28	2.1%	
PCB-3 4-MoCB	13.56	1.64E+09	3.07 Y	1.24	-	-	
PCB-4 22'-DiCB	13.81	9.30E+08	1.54 Y	0.88	-	-	
PCB-10 26-DiCB	13.98	1.48E+09	1.55 Y	1.40	1.53	8.8%	
PCB-9 25-DiCB	15.75	1.52E+09	1.54 Y	0.98	0.98	-0.2%	
PCB-7 24-DiCB	15.92	1.74E+09	1.54 Y	1.12	1.12	-0.1%	
PCB-6 23'-DiCB	16.14	1.62E+09	1.54 Y	1.04	1.05	0.5%	
PCB-5 23-DiCB	16.43	1.64E+09	1.54 Y	1.05	1.06	0.8%	
PCB-8 24'-DiCB	16.55	1.65E+09	1.54 Y	1.10	1.06	-3.1%	
PCB-14 35-DiCB	18.10	1.93E+09	1.55 Y	1.24	1.24	0.3%	
PCB-11 33'-DiCB	18.87	1.60E+09	1.55 Y	1.01	1.03	1.9%	
PCB-13/12 34'/34-DiCB	19.16	3.21E+09	1.54 Y	0.99	1.04	5.1%	
PCB-15 44'-DiCB	19.44	1.66E+09	1.54 Y	1.01	-	-	
PCB-19 22'6-TrCB	16.84	7.79E+08	1.04 Y	0.92	-	-	
PCB-30/18 246/22'5-TrCB	18.59	2.11E+09	1.04 Y	1.20	1.31	8.8%	
PCB-17 22'4-TrCB	18.98	9.09E+08	1.04 Y	1.04	1.13	9.0%	
PCB-27 23'6-TrCB	19.17	1.24E+09	1.04 Y	1.42	1.54	8.6%	
PCB-24 236-TrCB	19.31	1.18E+09	1.03 Y	1.35	1.47	9.0%	
PCB-16 22'3-TrCB	19.40	6.97E+08	1.04 Y	0.77	0.87	12.5%	
PCB-32 24'6-TrCB	19.88	1.29E+09	1.04 Y	1.52	1.60	5.4%	
PCB-34 23'5'-TrCB	21.03	1.56E+09	1.04 Y	1.64	1.53	-6.6%	
PCB-23 235-TrCB	21.18	1.57E+09	1.04 Y	1.65	1.54	-6.8%	
PCB-26/29 23'5/245-TrCB	21.46	3.17E+09	1.03 Y	1.65	1.56	-5.9%	
PCB-25 23'4-TrCB	21.66	1.61E+09	1.05 Y	1.64	1.58	-3.5%	
PCB-31 24'5-TrCB	21.93	1.63E+09	1.03 Y	1.71	1.60	-6.6%	
PCB-28/20 244'/233'-TrCB	22.22	3.06E+09	1.04 Y	1.60	1.50	-6.1%	
PCB-21/33 234/23'4'-TrCB	22.39	3.24E+09	1.04 Y	1.64	1.59	-3.4%	
PCB-22 234'-TrCB	22.77	1.45E+09	1.04 Y	1.49	1.42	-4.9%	
PCB-36 33'5-TrCB	24.15	1.58E+09	1.04 Y	1.57	1.55	-1.4%	
PCB-39 34'5-TrCB	24.47	1.64E+09	1.04 Y	1.61	1.61	0.2%	
PCB-38 345-TrCB	25.00	1.48E+09	1.05 Y	1.48	1.45	-1.8%	
PCB-35 33'4-TrCB	25.39	1.36E+09	1.04 Y	1.30	1.34	2.4%	
PCB-37 344'-TrCB	25.75	1.42E+09	1.04 Y	1.35	-	-	
PCB-54 22'66'-TeCB	19.72	1.16E+09	0.80 Y	1.08	-	-	
PCB-50/53 22'46/22'56'-TeCB	21.71	1.69E+09	0.78 Y	0.98	0.84	-14.2%	
PCB-45 22'36'-TeCB	22.28	6.84E+08	0.77 Y	0.85	0.68	-20.1%	
PCB-51 22'46'-TeCB	22.37	8.07E+08	0.78 Y	0.98	0.81	-17.9%	
PCB-46 22'36'-TeCB	22.57	6.76E+08	0.78 Y	0.79	0.68	-14.8%	
PCB-52 22'55'-TeCB	23.83	8.00E+08	0.78 Y	0.94	0.80	-14.9%	
PCB-73 23'5'6-TeCB	23.96	1.05E+09	0.78 Y	1.23	1.05	-14.5%	

Lab ID: - Ax2 Detail			Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 20:37					
Datafile:	130826V09					
Name	RT	Response	RA		RRF	
PCB-43 22'35'-TeCB	24.05	7.23E+08	0.78 Y	0.78	0.72	-7.8%
PCB-69/49 23'46/22'45'-TeCB	24.25	1.99E+09	0.78 Y	1.12	0.99	-11.2%
PCB-48 22'45'-TeCB	24.53	8.43E+08	0.78 Y	0.95	0.84	-11.3%
PCB-44/47/65 ...-TeCB	24.75	2.64E+09	0.78 Y	1.00	0.88	-11.9%
PCB-59/62/75 ...-TeCB	25.02	3.36E+09	0.78 Y	1.25	1.12	-10.5%
PCB-42 22'34'-TeCB	25.18	7.51E+08	0.78 Y	0.83	0.75	-9.9%
PCB-41 22'34'-TeCB	25.51	6.52E+08	0.77 Y	0.75	0.65	-13.8%
PCB-71/40 23'4'6/22'33'-TeCB	25.61	1.73E+09	0.78 Y	0.94	0.87	-8.2%
PCB-64 23'4'-TeCB	25.81	1.20E+09	0.78 Y	1.31	1.20	-8.5%
PCB-72 23'55'-TeCB	26.54	1.31E+09	0.77 Y	1.35	1.31	-3.0%
PCB-68 23'45'-TeCB	26.80	1.47E+09	0.77 Y	1.51	1.46	-2.9%
PCB-57 23'5'-TeCB	27.17	1.27E+09	0.77 Y	1.34	1.27	-5.5%
PCB-58 23'5'-TeCB	27.37	1.34E+09	0.77 Y	1.41	1.34	-5.1%
PCB-67 23'45'-TeCB	27.53	1.38E+09	0.77 Y	1.42	1.38	-3.0%
PCB-63 23'4'-TeCB	27.75	1.46E+09	0.77 Y	1.52	1.46	-4.2%
PCB-61/70/74/76 ...-TeCB	28.04	5.43E+09	0.77 Y	1.36	1.35	-0.6%
PCB-66 23'44'-TeCB	28.32	1.24E+09	0.77 Y	1.28	1.23	-3.3%
PCB-55 23'3'-TeCB	28.47	1.22E+09	0.77 Y	1.24	1.22	-1.5%
PCB-56 23'3'-TeCB	28.90	1.17E+09	0.77 Y	1.22	1.17	-3.5%
PCB-60 23'44'-TeCB	29.10	1.25E+09	0.77 Y	1.27	1.25	-2.2%
PCB-80 33'55'-TeCB	29.44	1.43E+09	0.78 Y	1.45	1.43	-1.5%
PCB-79 33'45'-TeCB	30.77	1.44E+09	0.77 Y	1.45	1.44	-0.7%
PCB-78 33'45'-TeCB	31.25	1.12E+09	0.77 Y	1.10	1.12	1.5%
PCB-104 22'466'-PeCB	24.70	1.13E+09	0.63 Y	1.12	-	-
PCB-96 22'366'-PeCB	25.01	9.56E+08	0.63 Y	0.95	1.03	7.4%
PCB-103 22'45'6'-PeCB	26.71	6.99E+08	0.62 Y	0.99	0.95	-4.8%
PCB-94 22'356'-PeCB	26.90	5.98E+08	0.62 Y	0.85	0.81	-4.9%
PCB-95 22'35'6'-PeCB	27.28	6.42E+08	0.62 Y	0.92	0.87	-5.3%
PCB-100/93 22'44'6/22'356'-PeC	27.50	1.33E+09	0.62 Y	0.92	0.90	-2.7%
PCB-102 22'456'-PeCB	27.61	7.82E+08	0.62 Y	1.03	1.06	3.1%
PCB-98 22'34'6'-PeCB	27.68	5.31E+08	0.63 Y	0.81	0.72	-11.0%
PCB-88 22'346'-PeCB	27.98	6.20E+08	0.61 Y	0.74	0.84	12.9%
PCB-91 22'34'6'-PeCB	28.04	7.05E+08	0.63 Y	1.06	0.95	-10.4%
PCB-84 22'33'6'-PeCB	28.22	5.33E+08	0.62 Y	0.77	0.72	-6.3%
PCB-89 22'346'-PeCB	28.64	5.72E+08	0.61 Y	0.82	0.77	-5.4%
PCB-121 23'45'6'-PeCB	29.01	8.88E+08	0.62 Y	1.21	1.20	-1.0%
PCB-92 22'355'-PeCB	29.32	6.02E+08	0.62 Y	0.84	0.81	-2.4%
PCB-113/90/101 ...-PeCB	29.81	2.19E+09	0.62 Y	1.00	0.99	-1.0%
PCB-83 22'33'5'-PeCB	30.24	5.15E+08	0.61 Y	0.71	0.70	-1.2%

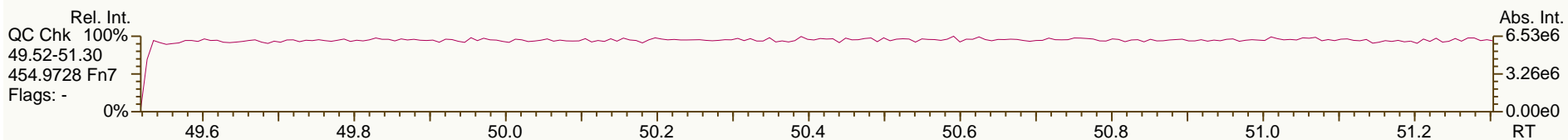
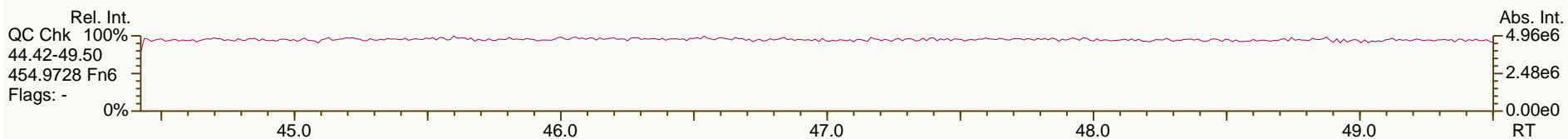
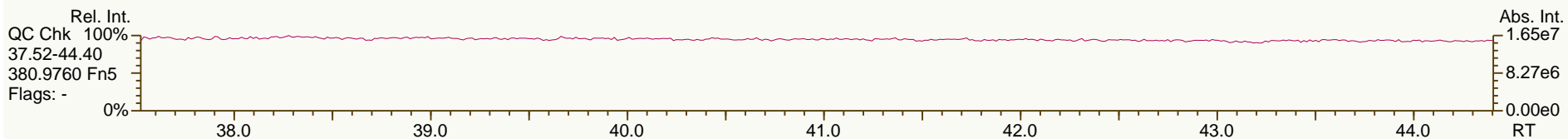
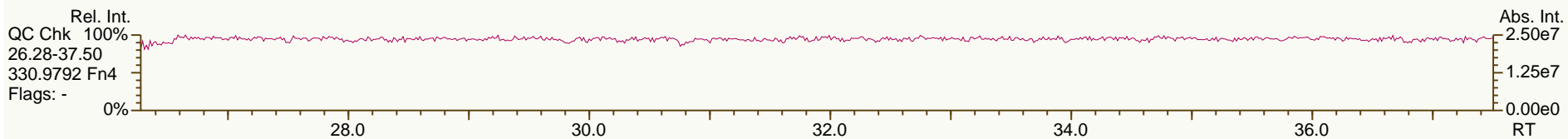
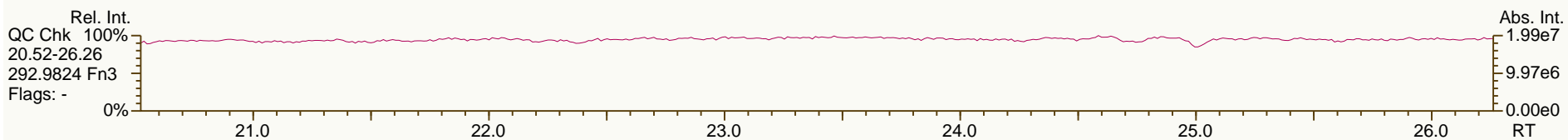
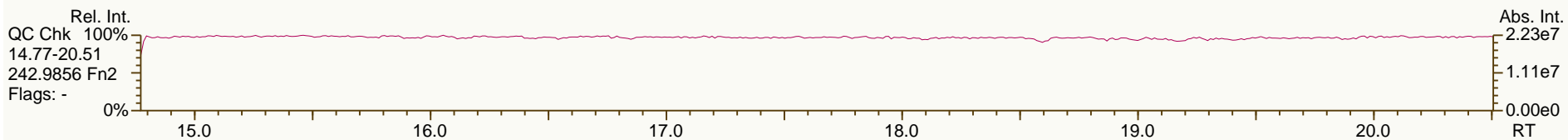
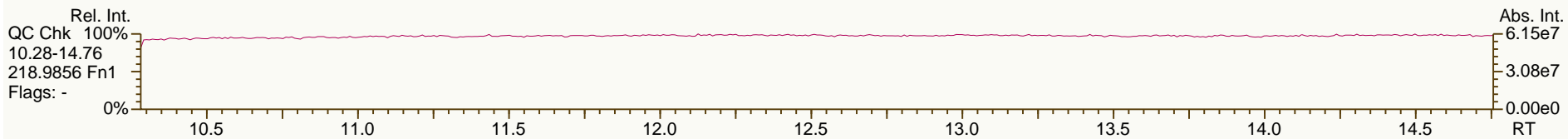
Lab ID: - Ax2 Detail				Processed: 27-Aug-2013 11:44			
Lab ID:	CS5_130826_PCB_VA			ICAL: MM6_PCB_07122013_27AUG2013			
Acquired:	26-AUG-2013 20:37						
Datafile:	130826V09						
Name	RT	Response	RA		RRF		
PCB-99 22'44'5-PeCB	30.34	6.45E+08	0.62 Y	0.90	0.87		-3.3%
PCB-112 233'56-PeCB	30.44	8.16E+08	0.62 Y	1.13	1.10		-2.1%
PCB-108/119/86/97/125...-PeCB	30.79	4.50E+09	0.62 Y	0.99	1.01		2.4%
PCB-117 234'56-PeCB	31.32	7.77E+08	0.61 Y	1.10	1.05		-4.4%
PCB-116/85 23456/22'344'-PeCB	31.41	1.50E+09	0.63 Y	0.95	1.02		6.6%
PCB-110 233'46-PeCB	31.53	7.80E+08	0.62 Y	1.05	1.06		0.4%
PCB-115 2344'6-PeCB	31.62	8.96E+08	0.62 Y	1.13	1.21		7.2%
PCB-82 22'33'4-PeCB	31.81	5.08E+08	0.61 Y	0.69	0.69		-0.2%
PCB-111 233'55'-PeCB	32.14	8.83E+08	0.62 Y	1.17	1.19		2.3%
PCB-120 23'455'-PeCB	32.55	8.53E+08	0.62 Y	1.11	1.15		4.4%
PCB-107/124 ...-PeCB	33.51	1.64E+09	0.62 Y	0.99	1.11		12.1%
PCB-109 233'46-PeCB	33.72	8.96E+08	0.61 Y	1.07	1.21		13.5%
PCB-106 233'45-PeCB	33.94	7.77E+08	0.62 Y	0.98	1.05		7.0%
PCB-122 233'4'5'-PeCB	34.40	7.15E+08	0.62 Y	0.87	0.98		13.7%
PCB-127 33'455'-PeCB	36.37	7.59E+08	0.62 Y	0.91	1.06		16.3%
PCB-155 22'44'66'-HxCB	29.67	1.18E+09	1.25 Y	1.21	-		-
PCB-152 22'3566'-HxCB	29.82	1.09E+09	1.26 Y	1.12	1.23		9.7%
PCB-150 22'34'66'-HxCB	29.97	1.10E+09	1.25 Y	1.11	1.24		11.7%
PCB-136 22'33'66'-HxCB	30.26	1.05E+09	1.25 Y	1.04	1.18		14.0%
PCB-145 22'3466'-HxCB	30.54	1.05E+09	1.24 Y	1.05	1.19		13.0%
PCB-148 22'34'56'-HxCB	31.83	8.03E+08	1.24 Y	1.15	1.25		8.5%
PCB-151/135 ...-HxCB	32.35	1.51E+09	1.24 Y	1.11	1.17		5.8%
PCB-154 22'44'56'-HxCB	32.57	8.90E+08	1.25 Y	1.29	1.39		7.9%
PCB-144 22'345'6-HxCB	32.83	7.67E+08	1.25 Y	1.12	1.19		6.3%
PCB-147/149 ...-HxCB	33.13	1.56E+09	1.26 Y	1.15	1.21		6.1%
PCB-134 22'33'56-HxCB	33.30	5.69E+08	1.25 Y	0.88	0.89		0.7%
PCB-143 22'3456'-HxCB	33.38	7.84E+08	1.25 Y	1.10	1.22		11.5%
PCB-139/140 ...-HxCB	33.66	1.62E+09	1.25 Y	1.15	1.27		9.8%
PCB-131 22'33'46-HxCB	33.82	6.82E+08	1.25 Y	0.96	1.06		10.8%
PCB-142 22'3456-HxCB	33.97	6.98E+08	1.25 Y	0.94	1.09		15.4%
PCB-132 22'33'46'-HxCB	34.20	6.89E+08	1.26 Y	0.98	1.07		9.8%
PCB-133 22'33'55'-HxCB	34.63	7.33E+08	1.24 Y	1.03	1.14		11.5%
PCB-165 233'55'6-HxCB	34.97	8.94E+08	1.24 Y	1.25	1.39		11.4%
PCB-146 22'34'55'-HxCB	35.19	7.89E+08	1.25 Y	1.11	1.23		10.7%
PCB-161 233'45'6-HxCB	35.31	9.79E+08	1.25 Y	1.34	1.53		13.7%
PCB-153/168 ...-HxCB	35.74	1.92E+09	1.25 Y	1.33	1.50		12.4%
PCB-141 22'3455'-HxCB	35.88	7.23E+08	1.25 Y	0.98	1.13		15.1%
PCB-130 22'33'45'-HxCB	36.22	6.25E+08	1.24 Y	0.85	0.97		15.2%
PCB-137 22'344'5-HxCB	36.43	8.16E+08	1.24 Y	1.02	1.27		24.2%
PCB-164 233'4'5'6-HxCB	36.51	9.53E+08	1.26 Y	1.35	1.49		10.4%
PCB-163/138/129 ...-HxCB	36.80	2.36E+09	1.24 Y	1.08	1.23		13.2%

Lab ID: - Ax2 Detail		Processed: 27-Aug-2013 11:44				
Lab ID:	CS5_130826_PCB_VA	ICAL: MM6_PCB_07122013_27AUG2013				
Acquired:	26-AUG-2013 20:37					
Datafile:	130826V09					
Name	RT	Response	RA		RRF	
PCB-160 233'456-HxCB	36.94	9.22E+08	1.26 Y	1.22	1.44	18.1%
PCB-158 233'44'6-HxCB	37.12	1.01E+09	1.25 Y	1.36	1.58	16.3%
PCB-128/166 ...-HxCB	37.86	1.41E+09	1.25 Y	0.96	1.02	6.5%
PCB-159 233'455'-HxCB	38.70	7.94E+08	1.25 Y	1.08	1.15	6.1%
PCB-162 233'4'55'-HxCB	38.94	7.78E+08	1.24 Y	1.05	1.12	6.7%
PCB-188 22'34'566'-HpCB	34.58	1.04E+09	1.05 Y	0.91	-	-
PCB-179 22'33'566'-HpCB	34.85	9.44E+08	1.03 Y	0.81	0.91	11.7%
PCB-184 22'344'66'-HpCB	35.33	9.33E+08	1.03 Y	0.78	0.90	14.3%
PCB-176 22'33'466'-HpCB	35.61	1.02E+09	1.03 Y	0.86	0.98	13.8%
PCB-186 22'34566'-HpCB	36.01	9.55E+08	1.03 Y	0.81	0.92	13.2%
PCB-178 22'33'55'6-HpCB	37.17	6.96E+08	1.03 Y	0.57	0.67	18.1%
PCB-175 22'33'45'6-HpCB	37.72	6.91E+08	1.04 Y	0.99	1.03	4.6%
PCB-187 22'34'55'6-HpCB	37.95	7.27E+08	1.04 Y	1.05	1.09	3.2%
PCB-182 22'344'56'-HpCB	38.13	7.40E+08	1.04 Y	1.10	1.11	0.3%
PCB-183 22'344'5'6-HpCB	38.48	7.36E+08	1.03 Y	1.14	1.10	-3.2%
PCB-185 22'3455'6-HpCB	38.56	6.92E+08	1.05 Y	0.99	1.03	4.0%
PCB-174 22'33'456'-HpCB	38.67	6.39E+08	1.04 Y	0.90	0.95	5.7%
PCB-177 22'33'45'6'-HpCB	39.05	5.97E+08	1.04 Y	0.85	0.89	5.4%
PCB-181 22'344'56'-HpCB	39.40	6.99E+08	1.04 Y	0.98	1.05	7.0%
PCB-171/173 ...-HpCB	39.58	1.22E+09	1.04 Y	0.87	0.91	4.8%
PCB-172 22'33'455'-HpCB	40.96	6.06E+08	1.04 Y	0.87	0.91	4.2%
PCB-192 233'455'6-HpCB	41.21	7.80E+08	1.04 Y	1.12	1.17	4.3%
PCB-180/193 ...-HpCB	41.50	1.50E+09	1.04 Y	1.08	1.12	4.0%
PCB-191 233'44'5'6-HpCB	41.83	8.14E+08	1.04 Y	1.15	1.22	6.2%
PCB-170 22'33'44'5-HpCB	42.60	5.64E+08	1.03 Y	0.99	1.05	5.8%
PCB-190 233'44'56-HpCB	43.07	7.97E+08	1.04 Y	1.33	1.48	11.5%
PCB-202 22'33'55'66'-OcCB	39.16	7.90E+08	0.89 Y	0.86	-	-
PCB-201 22'33'45'66'-OcCB	39.96	8.76E+08	0.89 Y	0.95	1.02	7.5%
PCB-204 22'344'566'-OcCB	40.55	8.27E+08	0.89 Y	0.89	0.97	8.1%
PCB-197 22'33'44'66'-OcCB	40.74	8.80E+08	0.88 Y	0.95	1.03	8.4%
PCB-200 22'33'4566'-OcCB	40.82	8.56E+08	0.89 Y	0.87	1.00	15.1%
PCB-198/199 ...-OcCB	43.19	1.18E+09	0.89 Y	0.60	0.69	14.3%
PCB-196 22'33'44'56'-OcCB	43.78	5.93E+08	0.89 Y	0.63	0.69	9.9%
PCB-203 22'344'55'6-OcCB	43.95	6.25E+08	0.89 Y	0.64	0.73	14.5%
PCB-195 22'33'44'56-OcCB	45.09	4.59E+08	0.91 Y	0.82	0.86	5.8%
PCB-194 22'33'44'55'-OcCB	47.10	4.88E+08	0.91 Y	0.90	0.92	2.4%
PCB-205 233'44'55'6-OcCB	47.51	6.12E+08	0.91 Y	1.09	-	-
PCB-208 22'33'455'66'-NoCB	44.89	6.86E+08	0.77 Y	1.00	-	-
PCB-207 22'33'44'566'-NoCB	45.70	7.08E+08	0.77 Y	1.01	1.07	6.4%
PCB-206 22'33'44'55'6-NoCB	49.03	4.54E+08	0.77 Y	0.85	-	-

SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

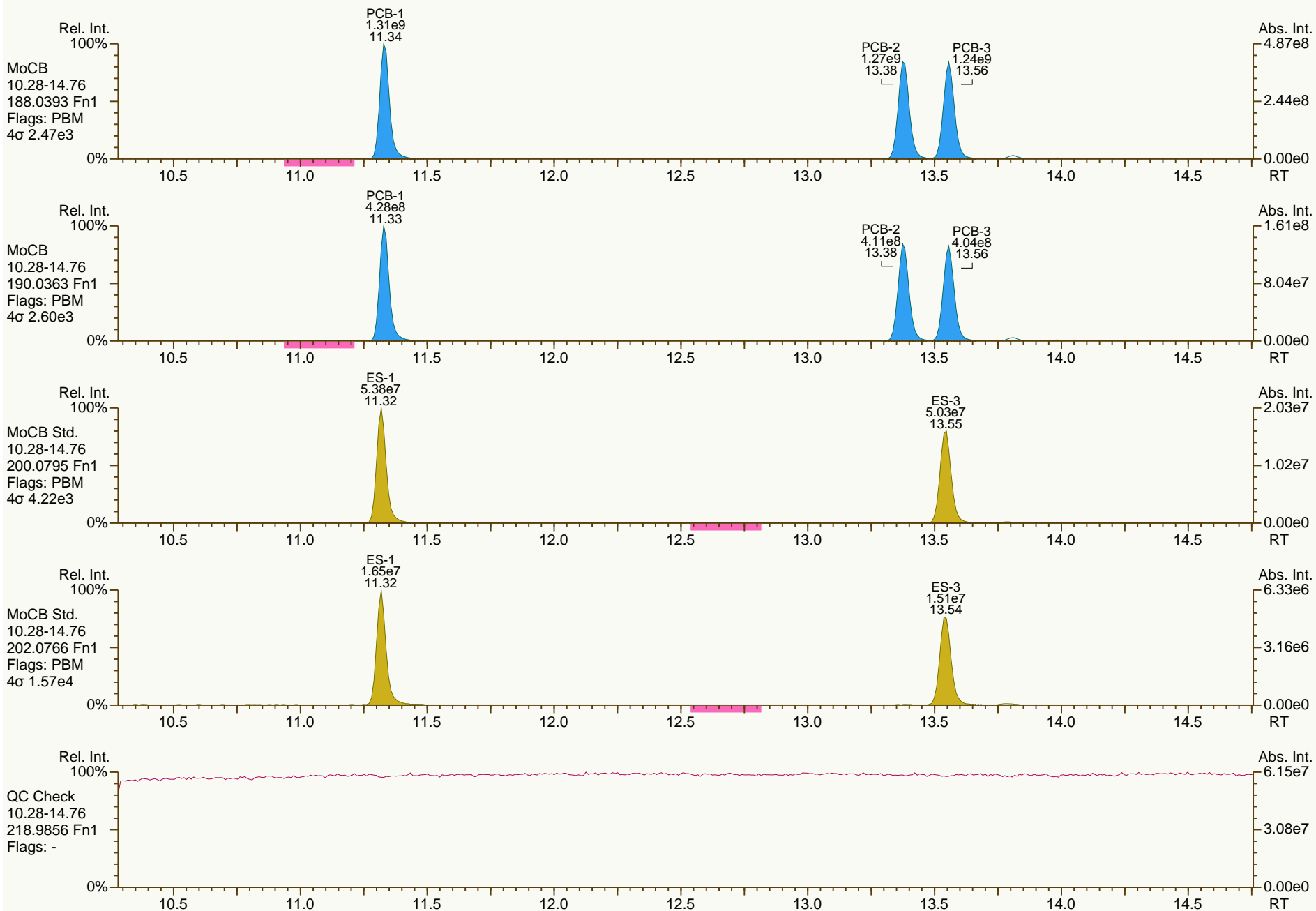
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
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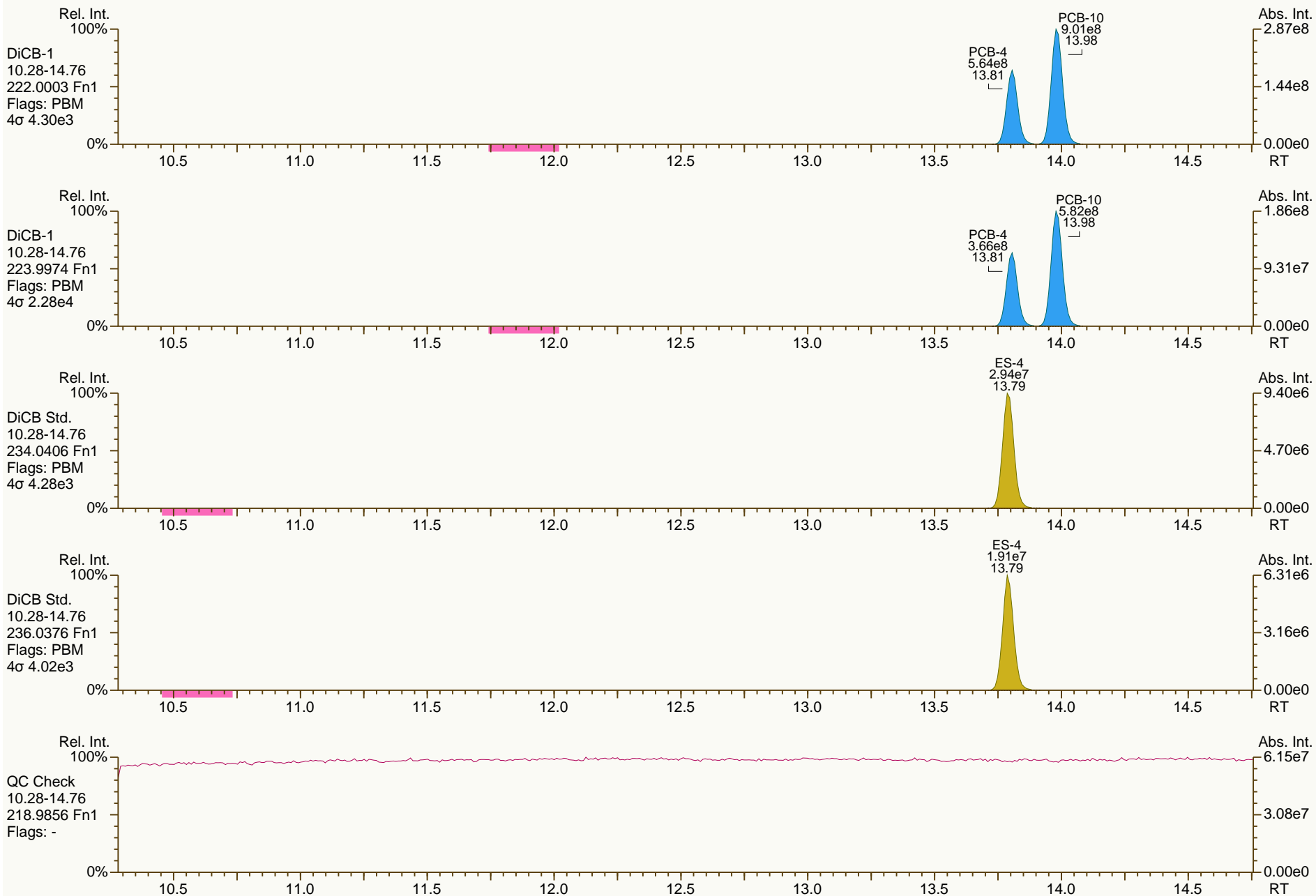
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

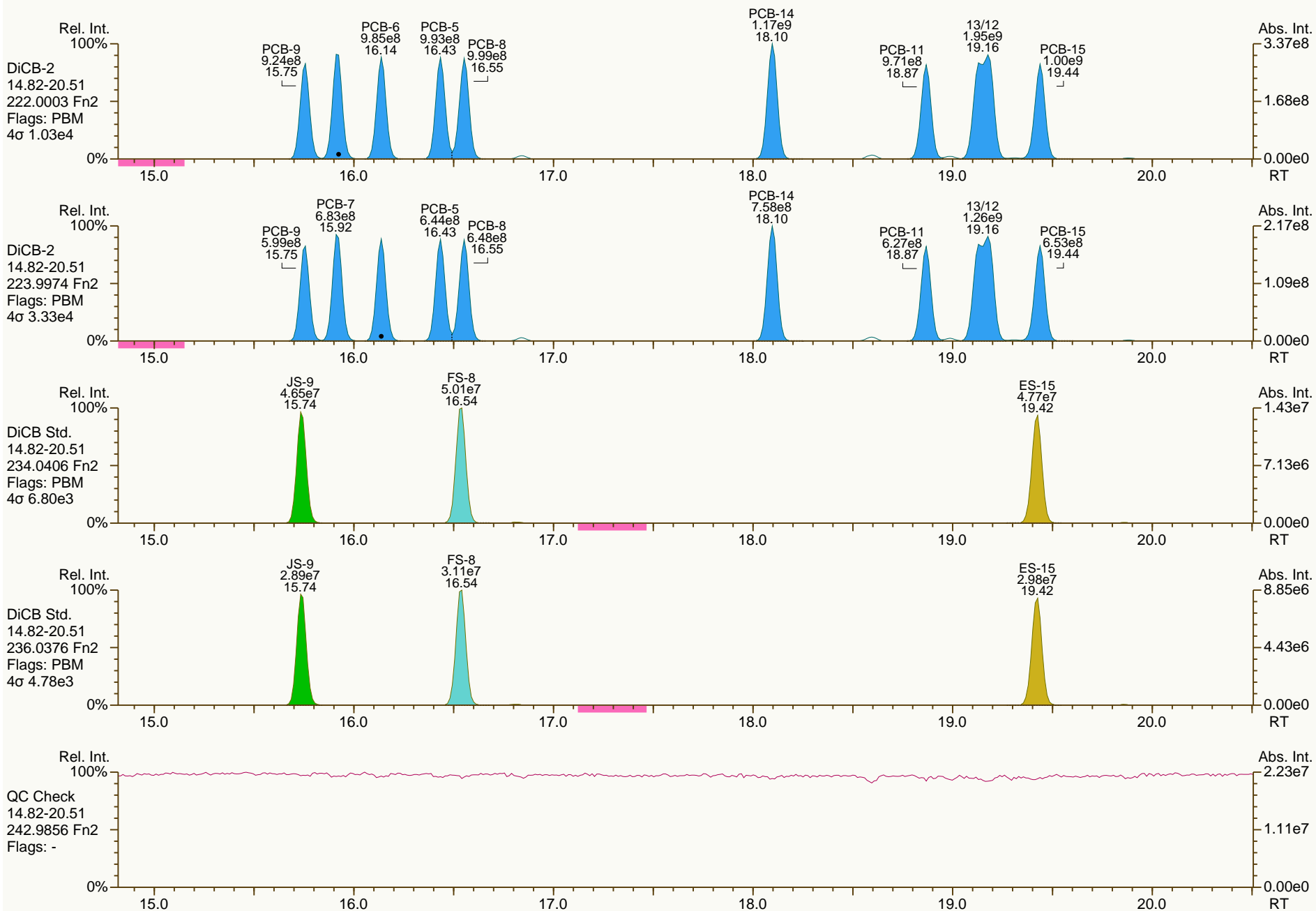
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 10

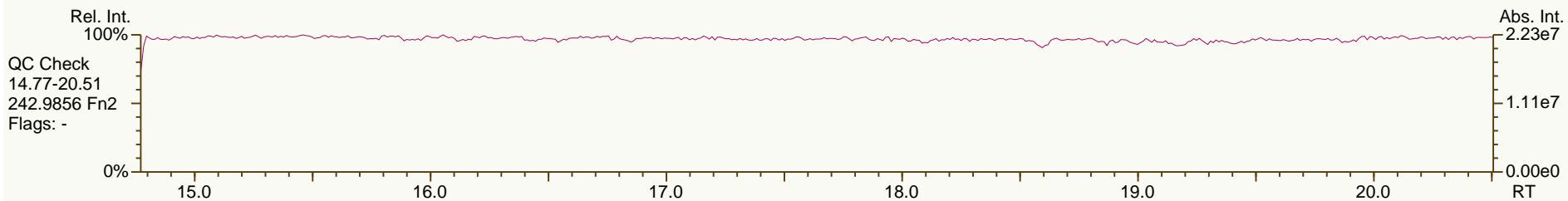
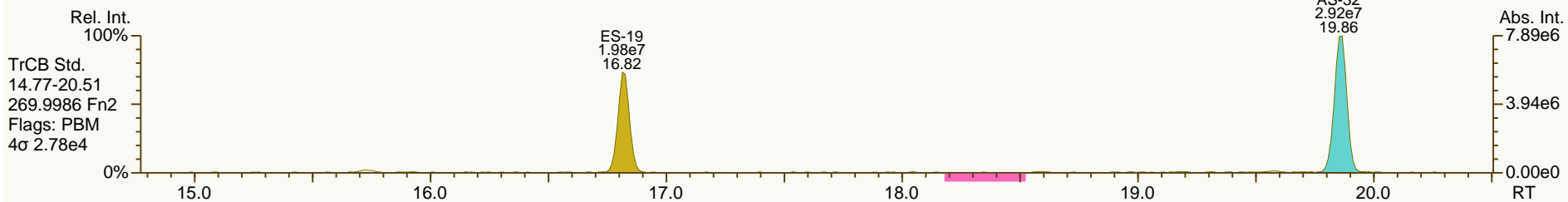
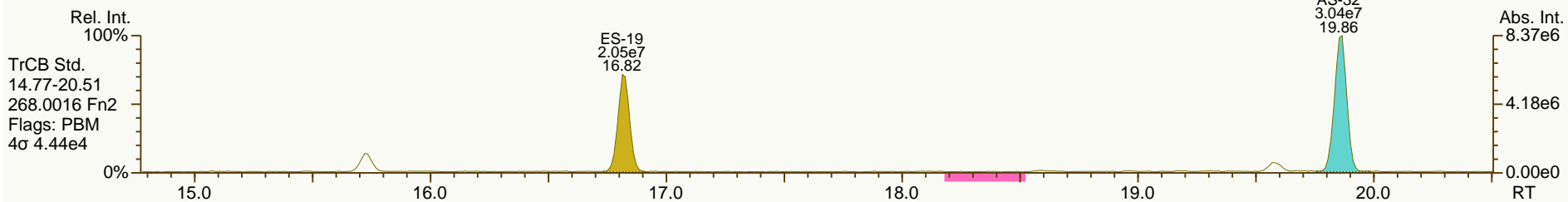
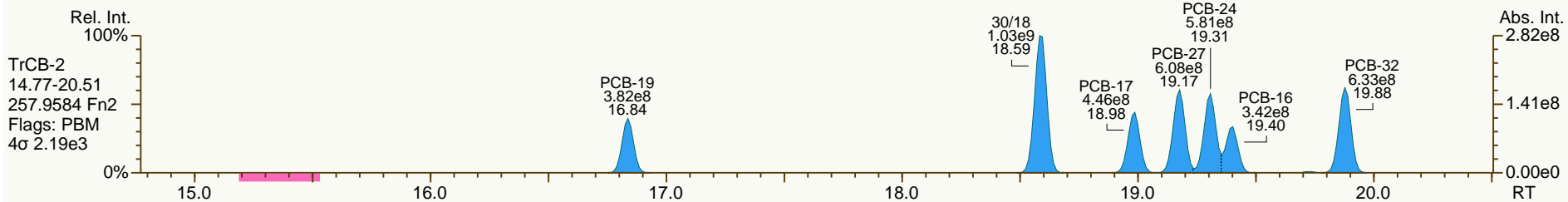
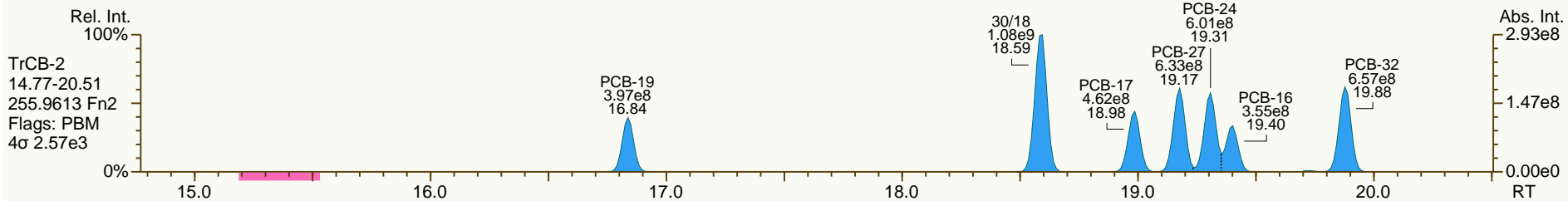
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SGS-AP ID: CS5_130826_PCB_VA
Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
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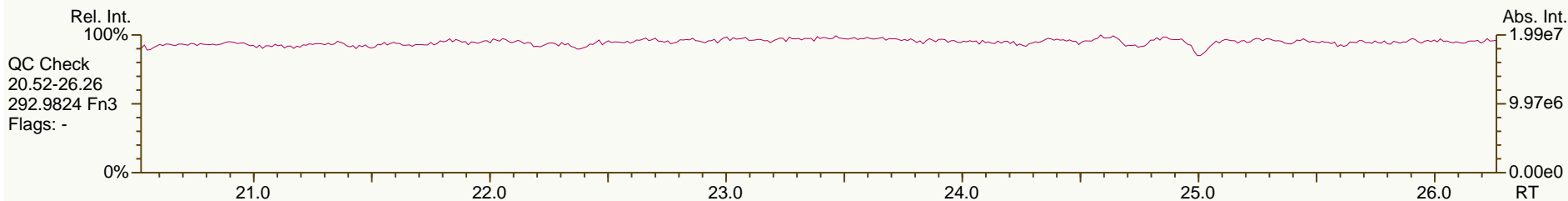
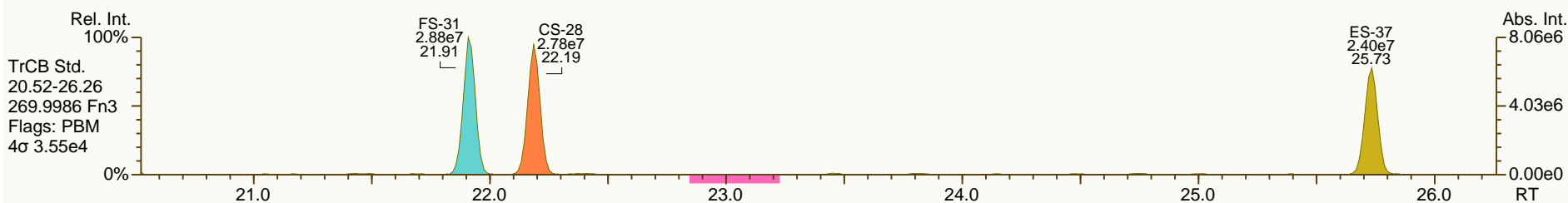
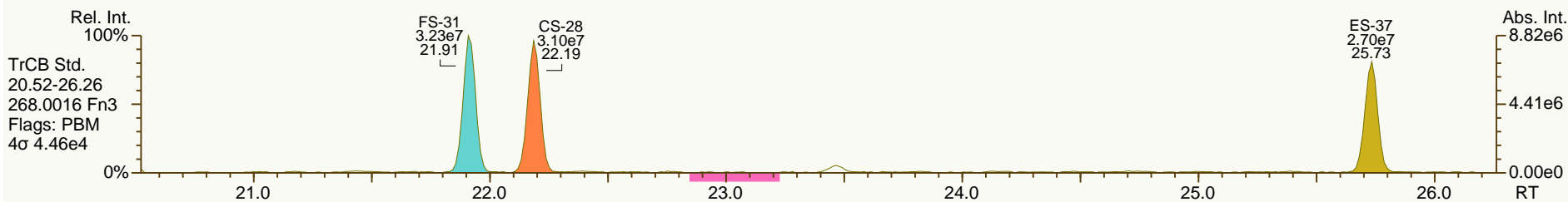
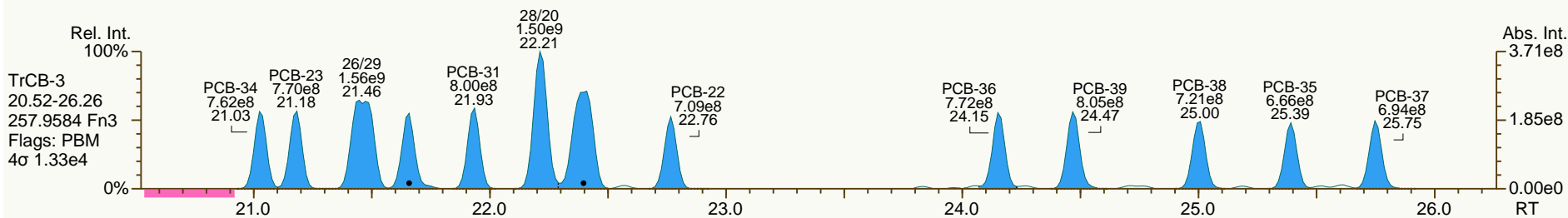
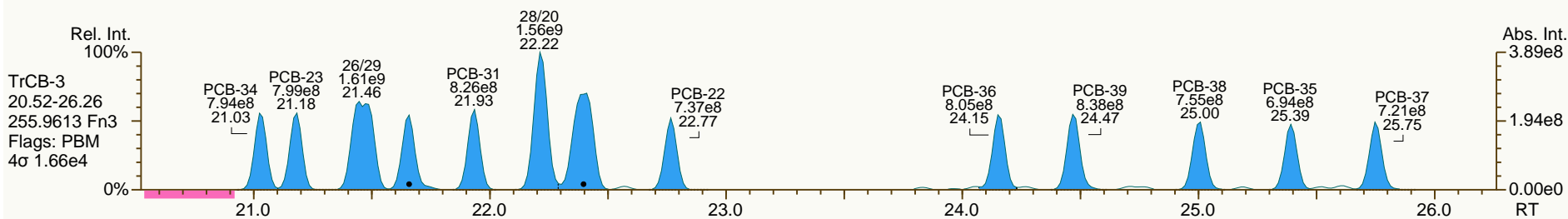
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

Sample ID: SIL 13-40-1
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SGS-AP ID: CS5_130826_PCB_VA
 Instr: AutoSpec-Premier MM6

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SGS-AP ID: CS5_130826_PCB_VA
Instr: AutoSpec-Premier MM6

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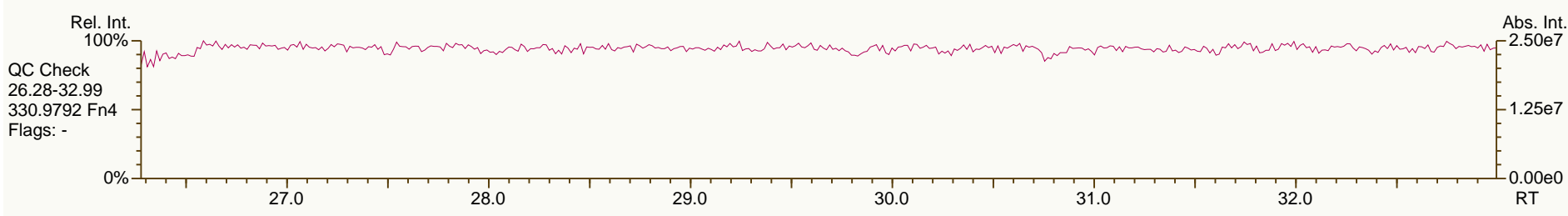
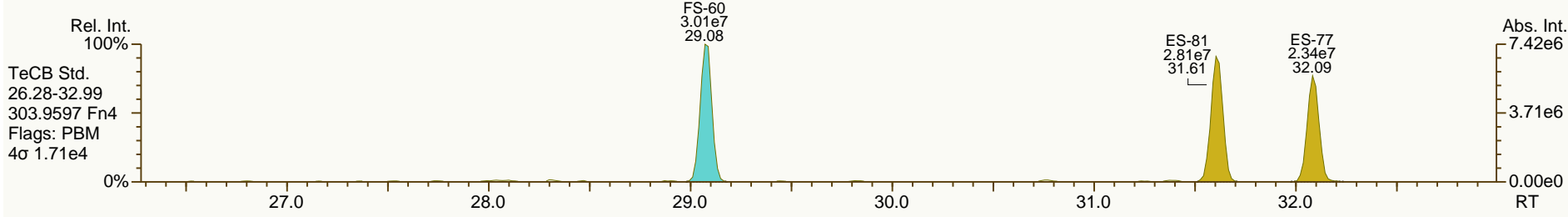
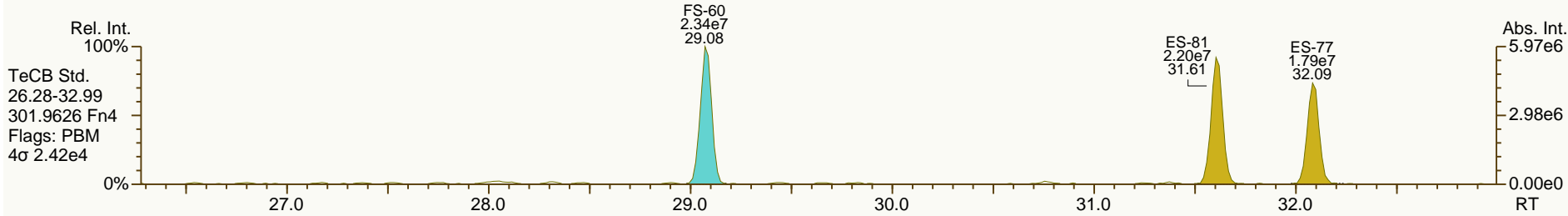
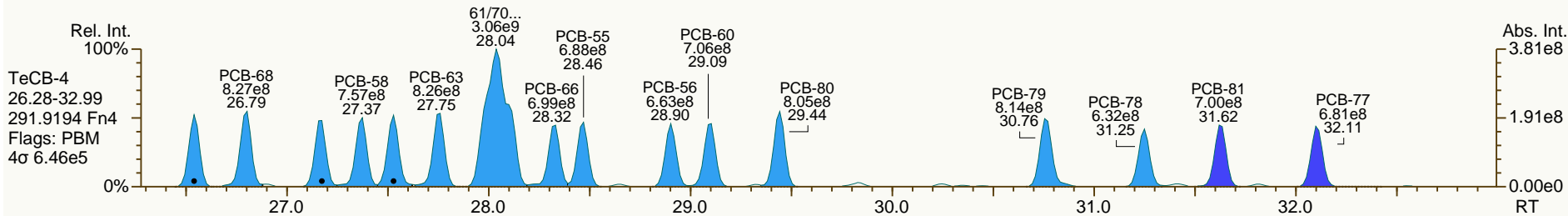
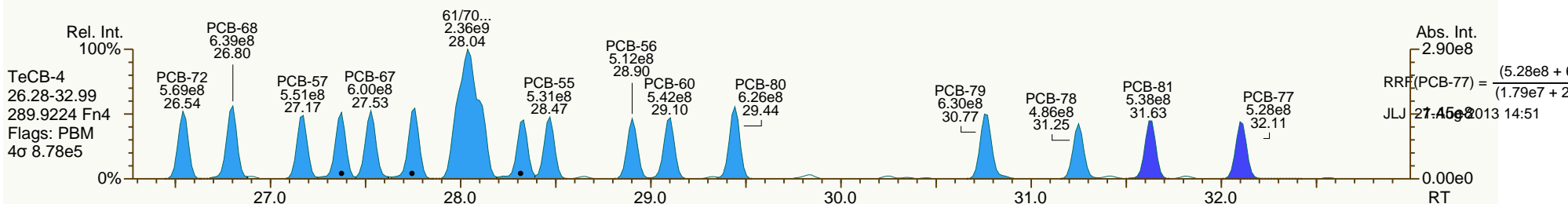
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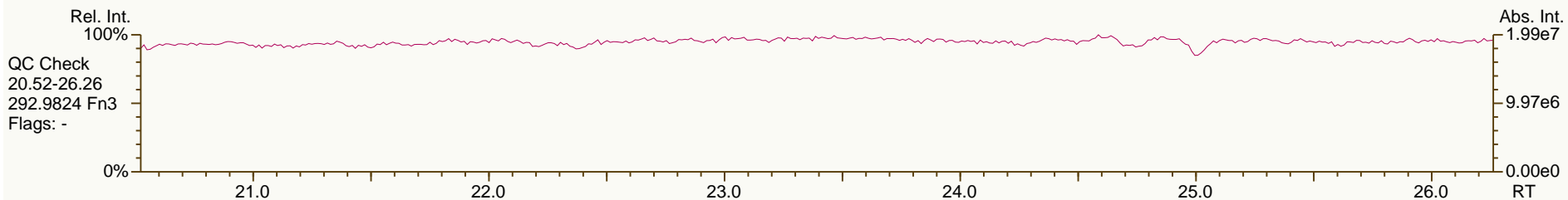
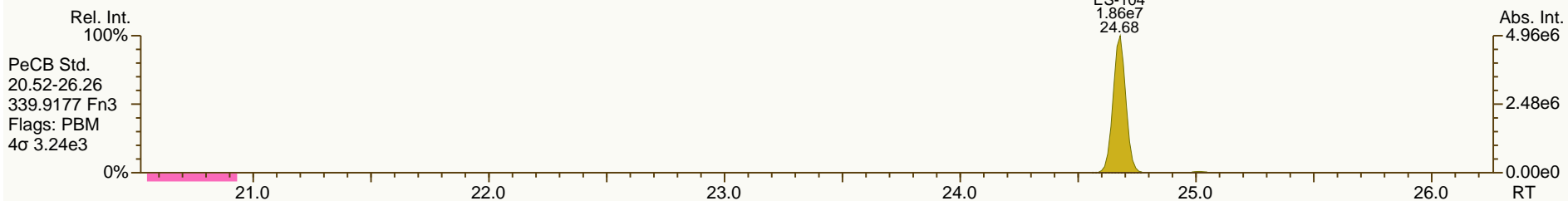
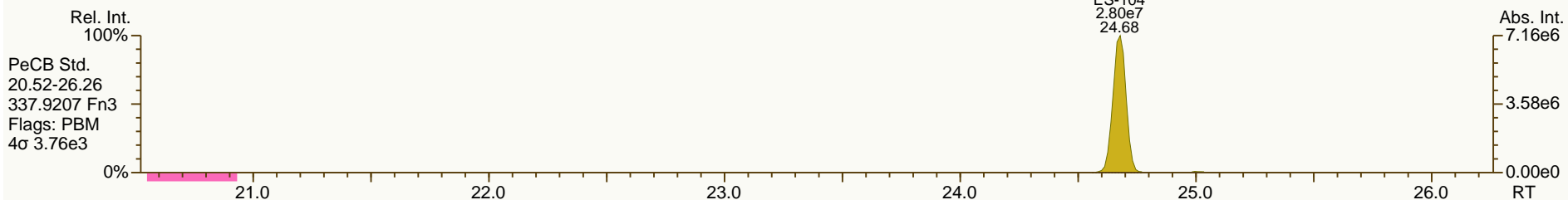
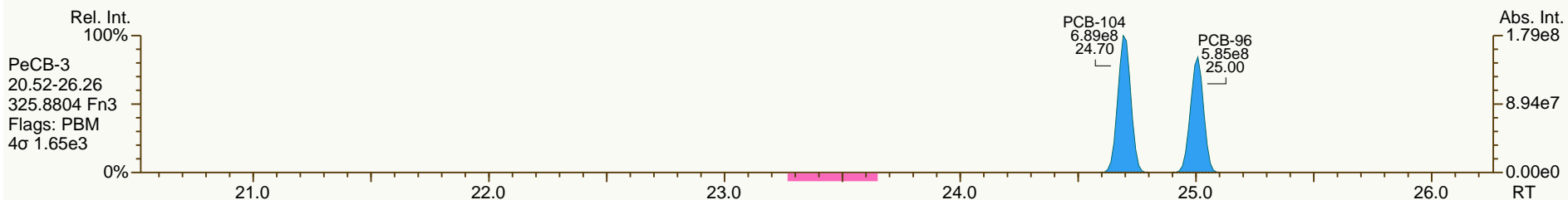
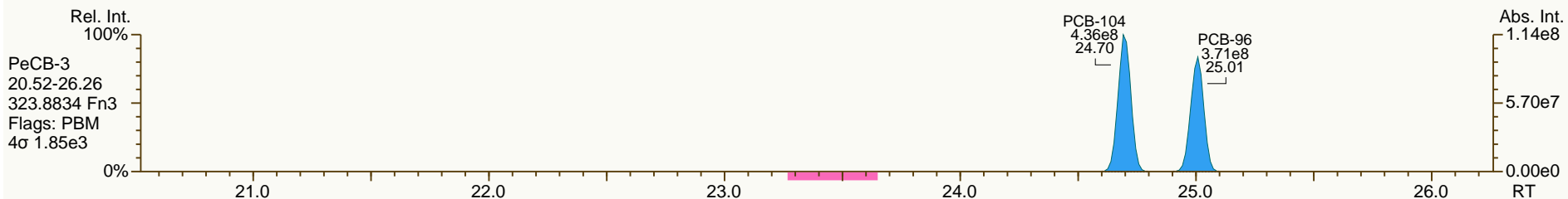
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SGS-AP ID: CS5_130826_PCB_VA
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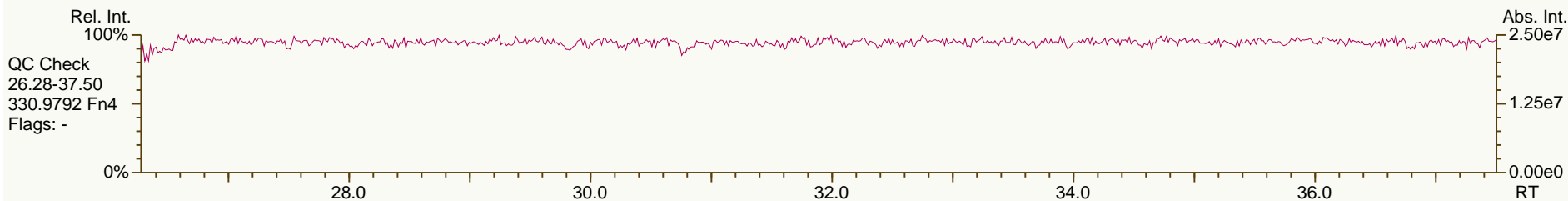
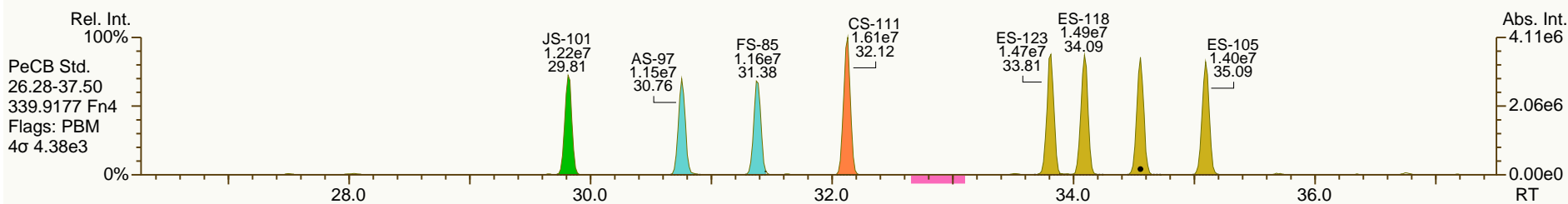
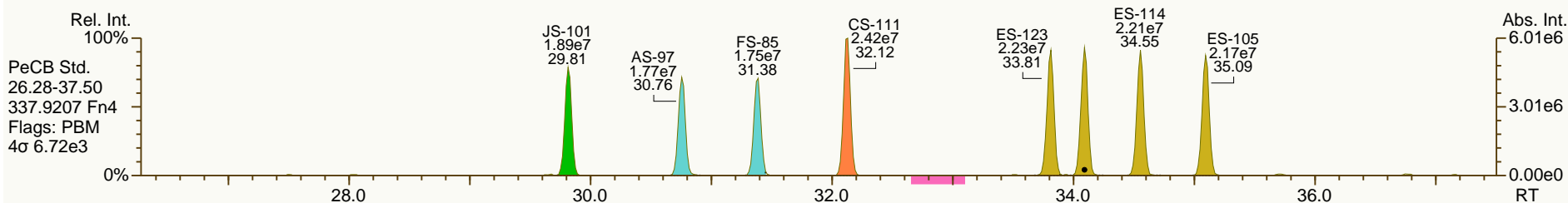
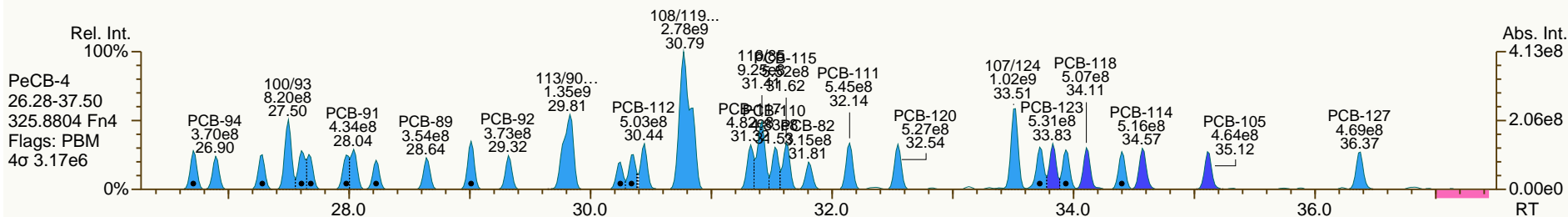
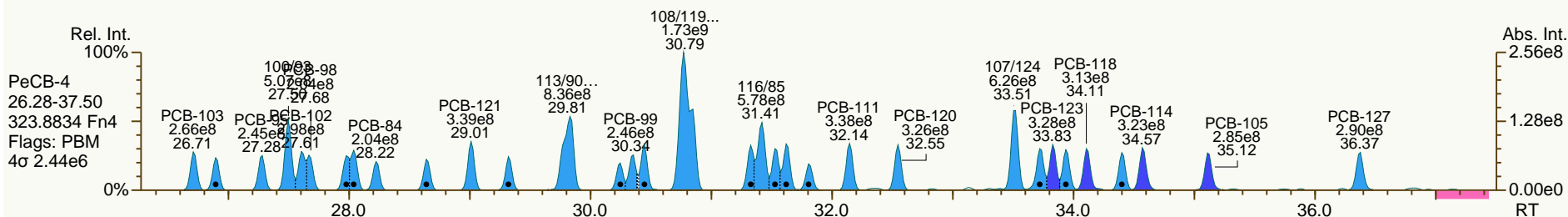
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SGS-AP ID: CS5_130826_PCB_VA
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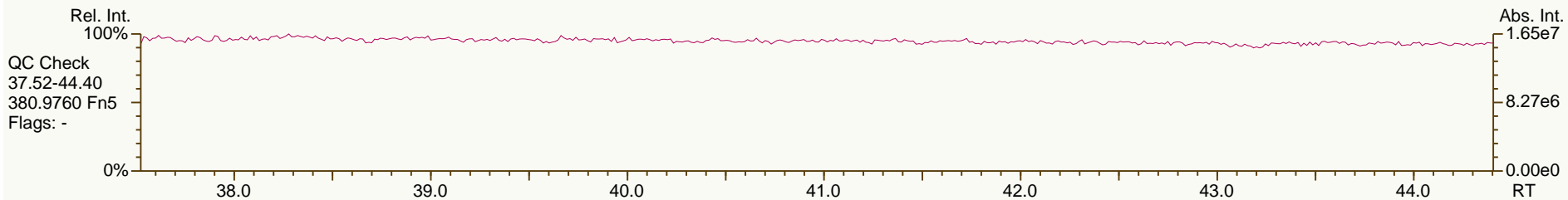
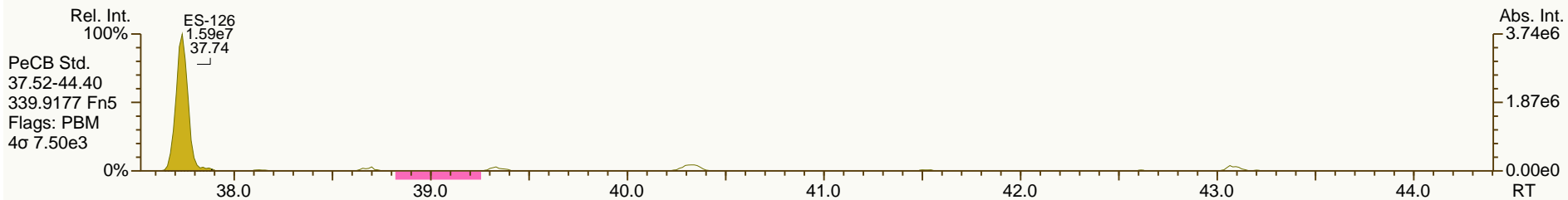
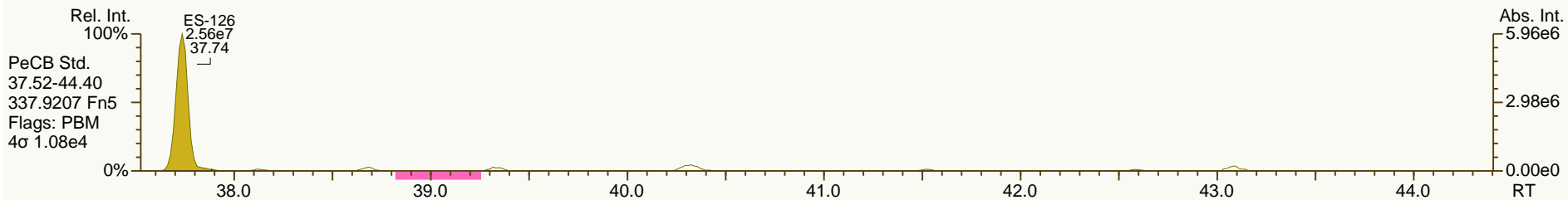
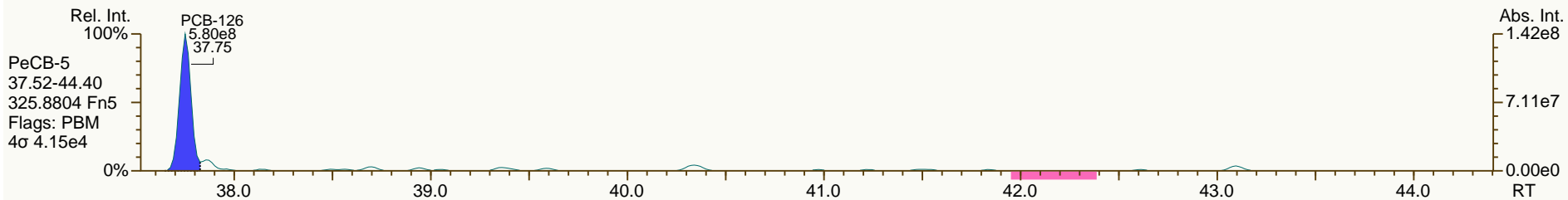
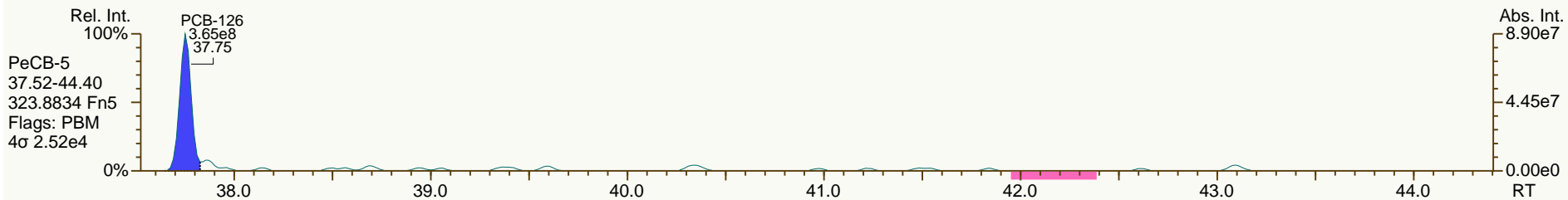
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SGS-AP ID: CS5_130826_PCB_VA
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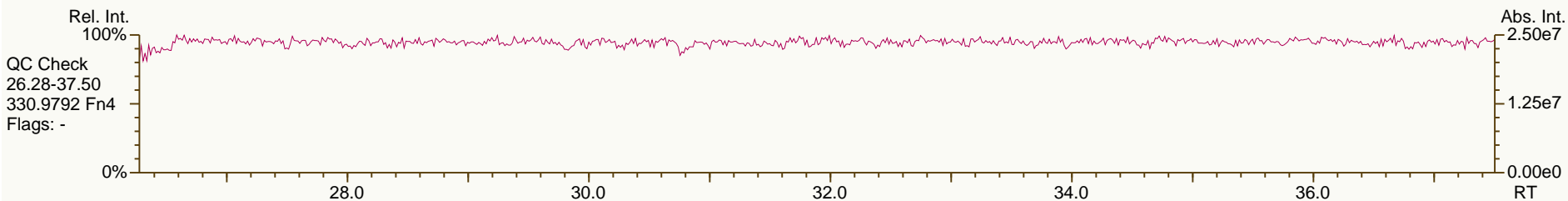
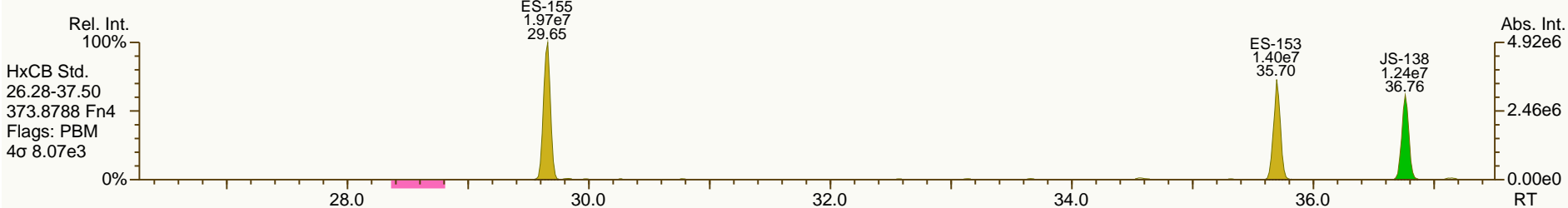
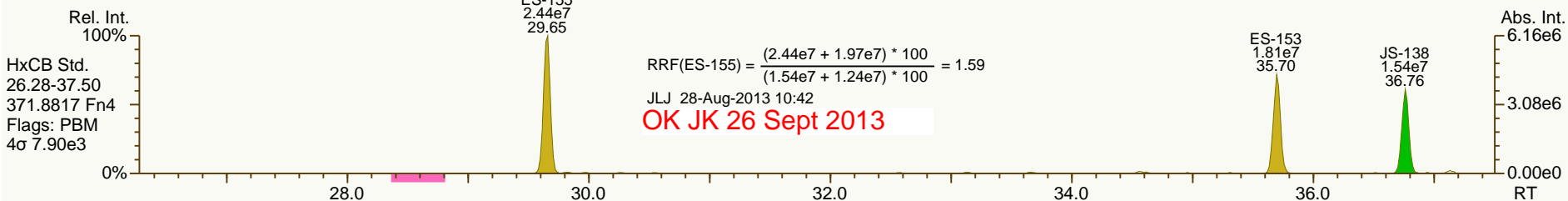
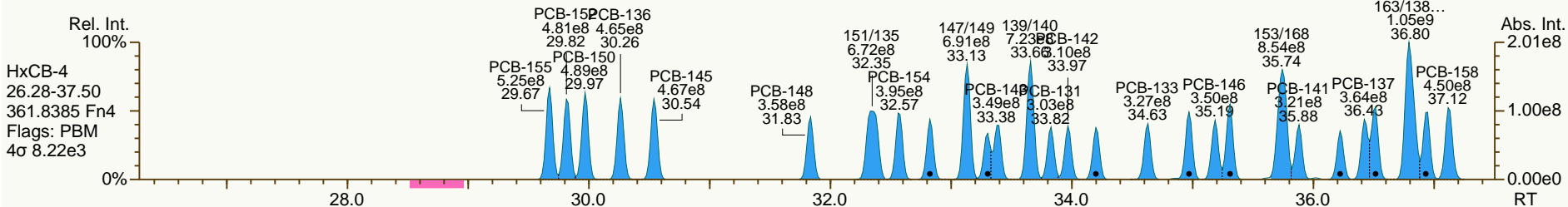
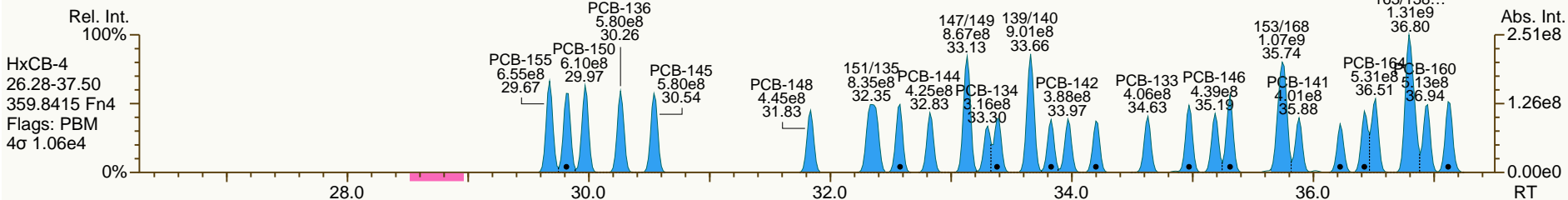
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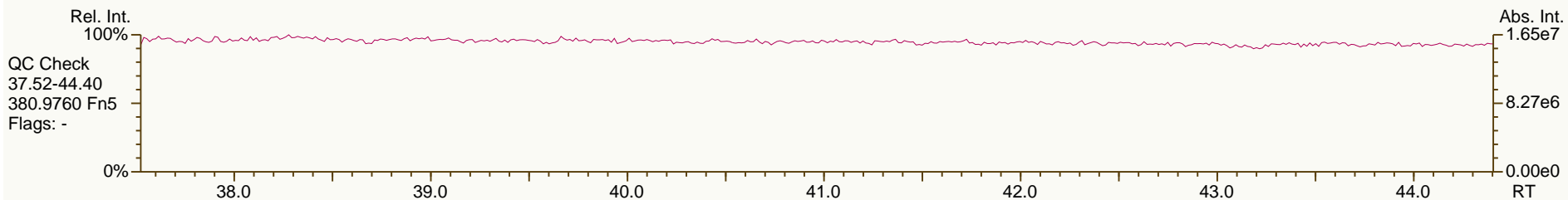
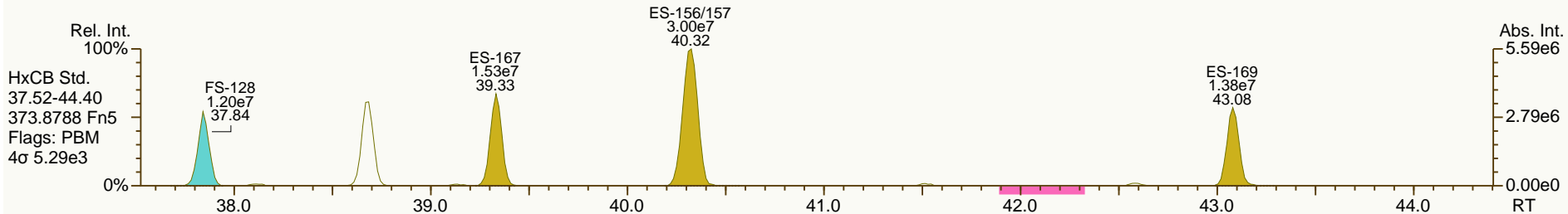
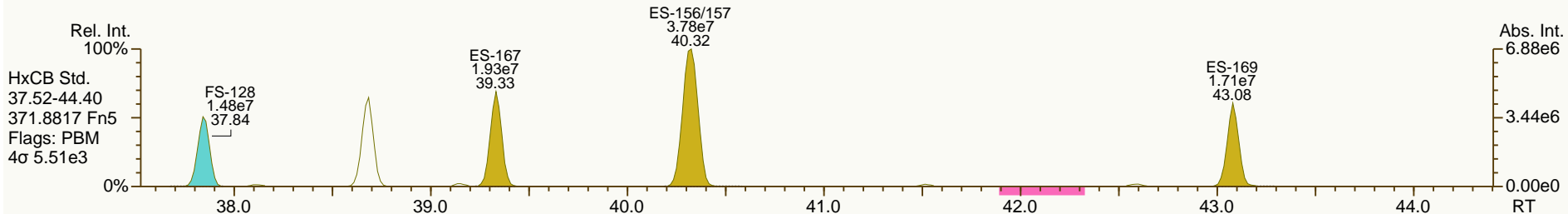
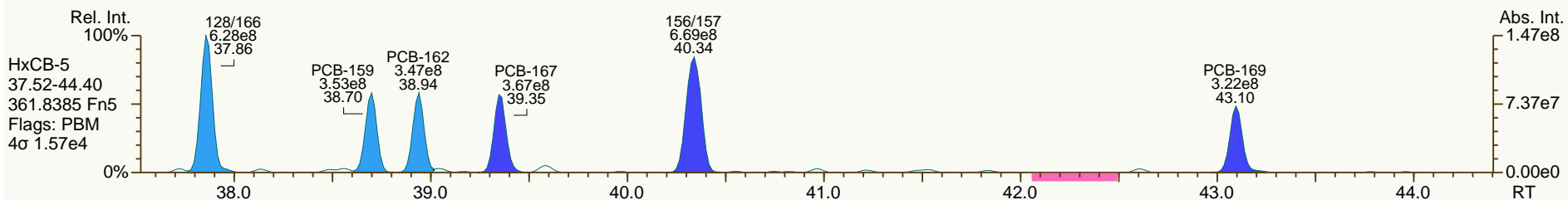
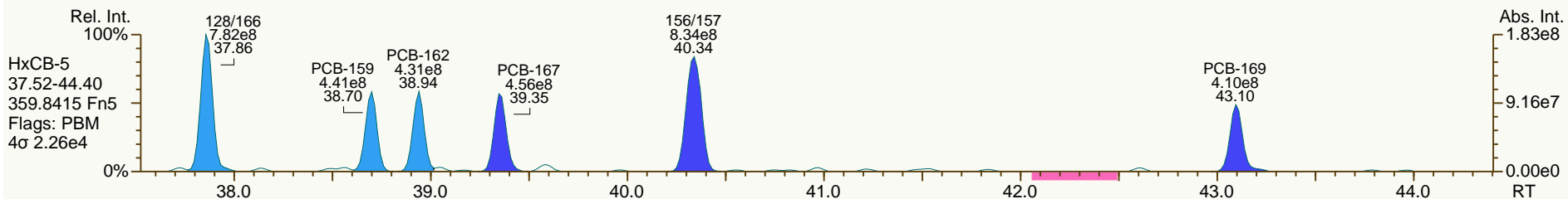
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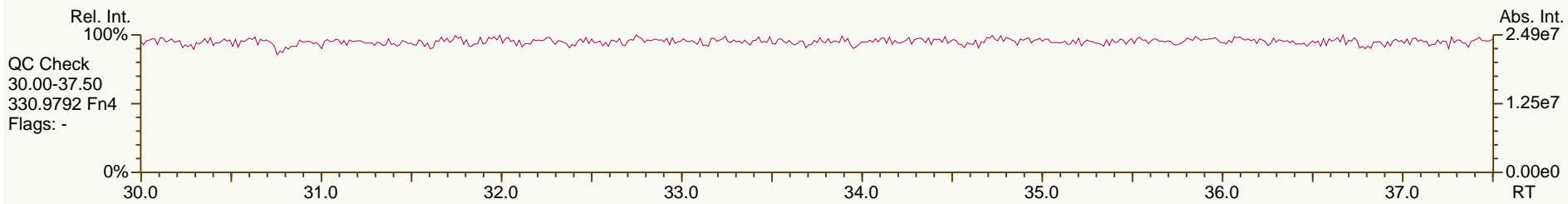
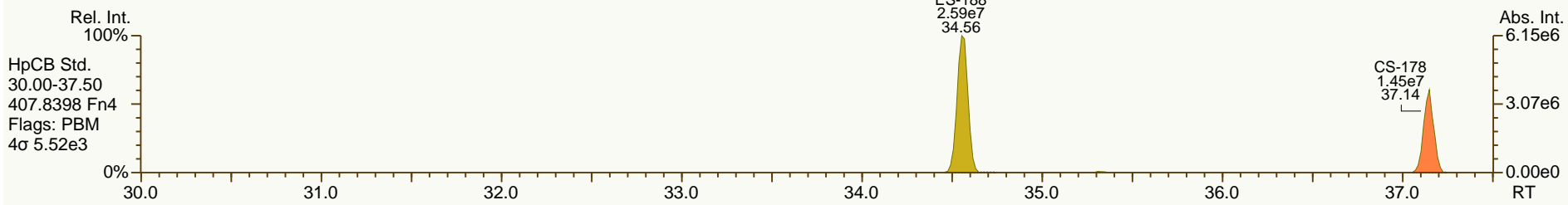
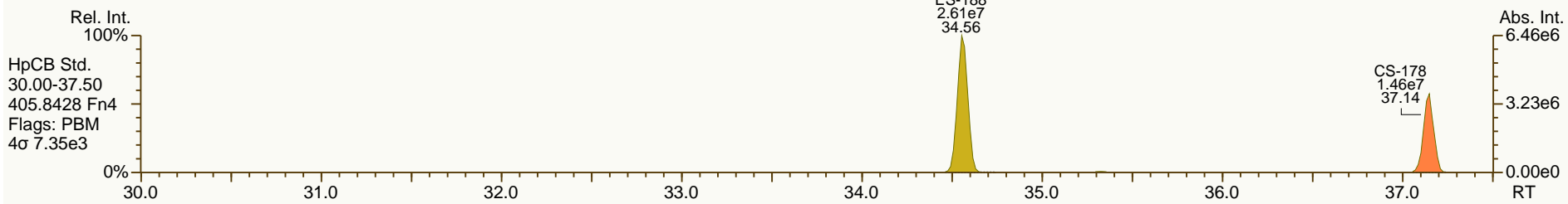
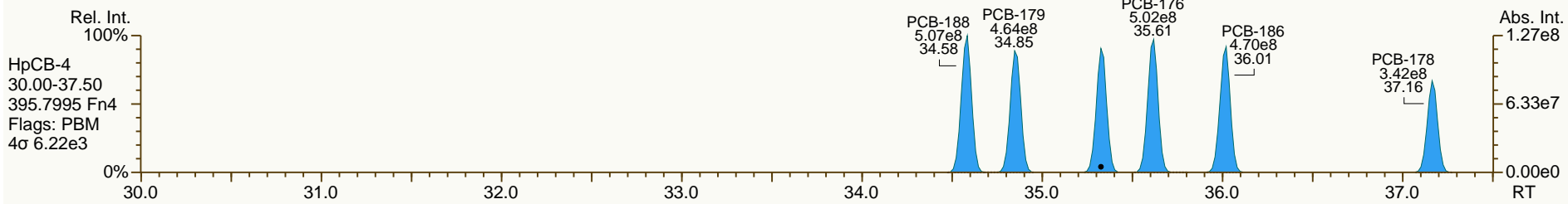
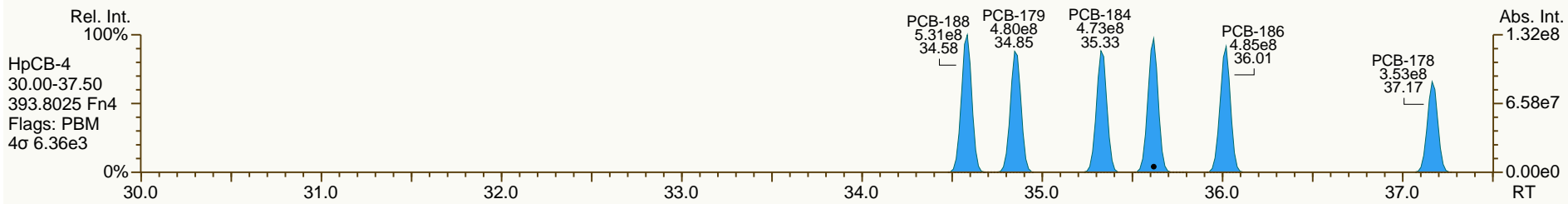
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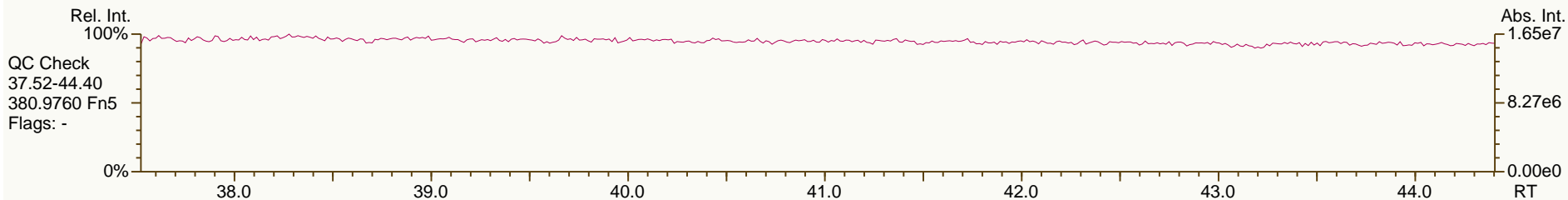
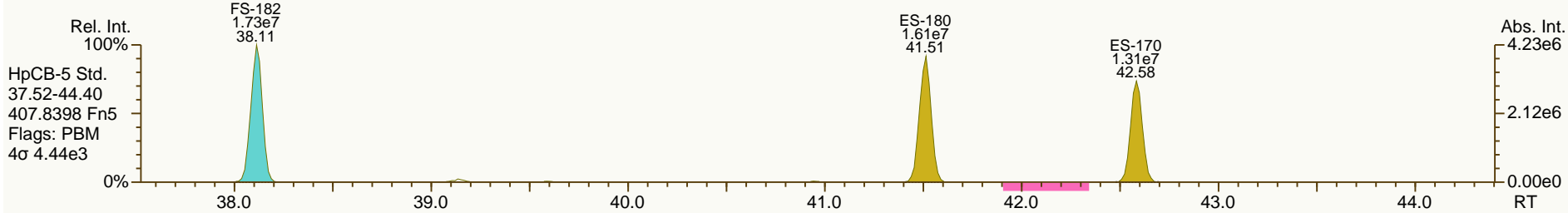
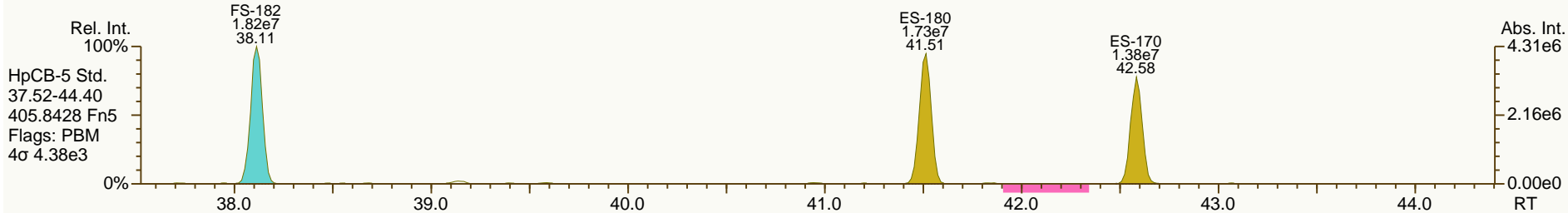
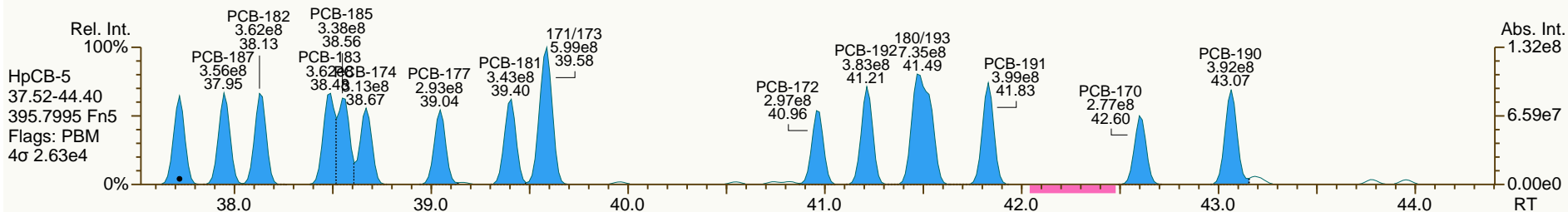
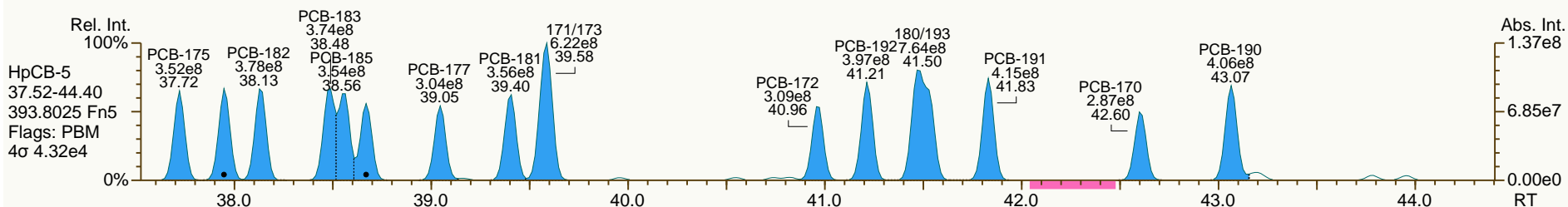
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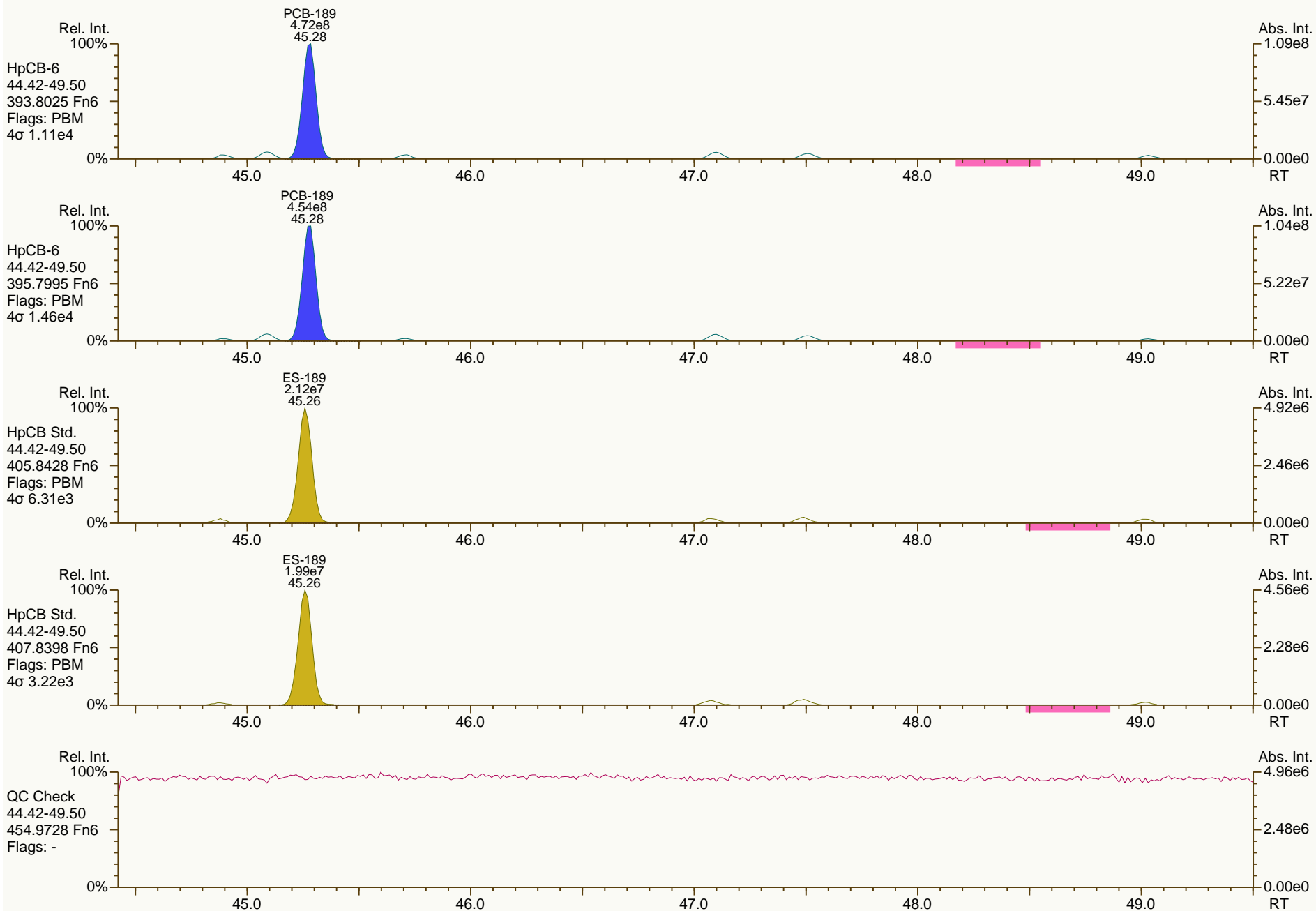
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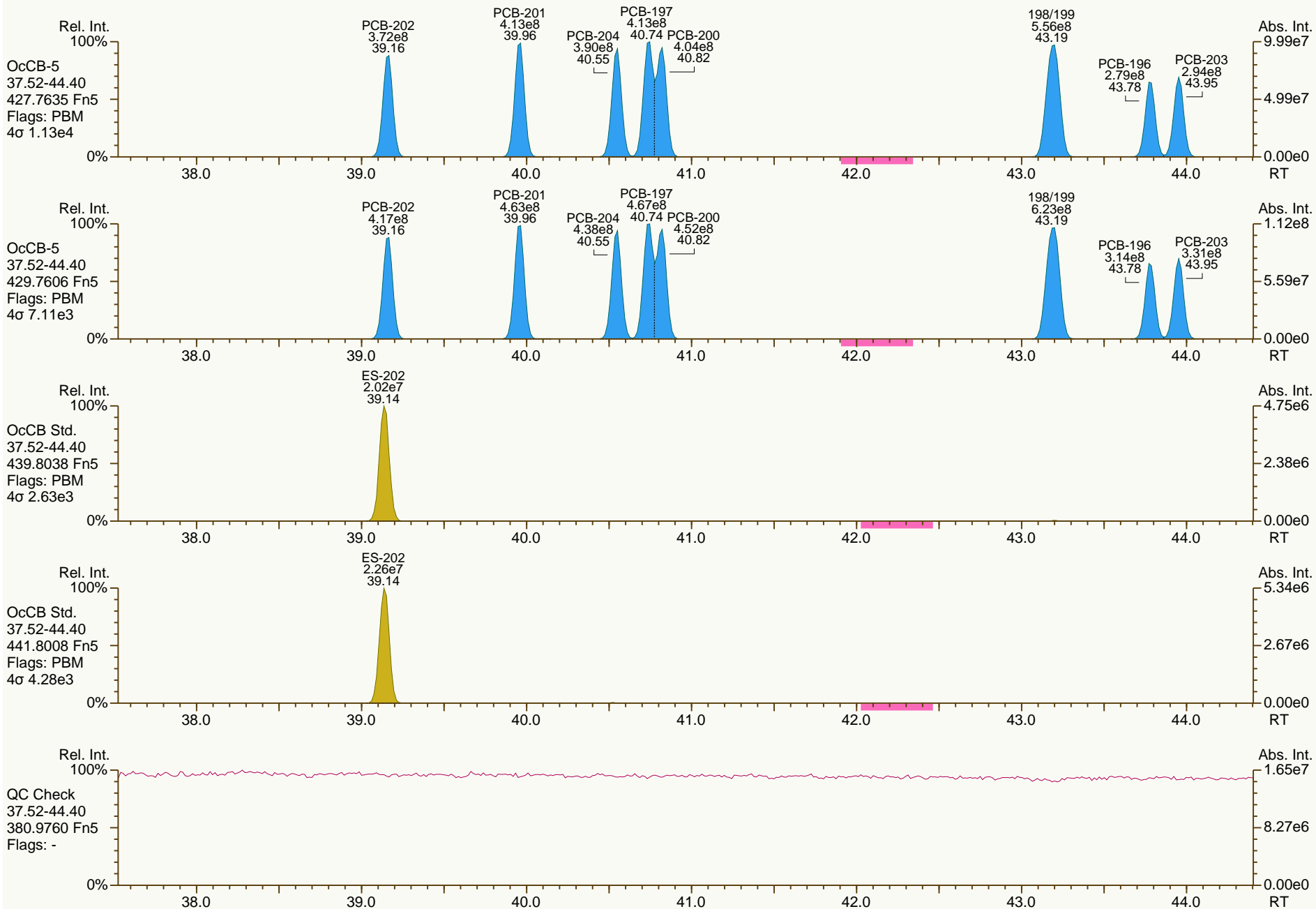
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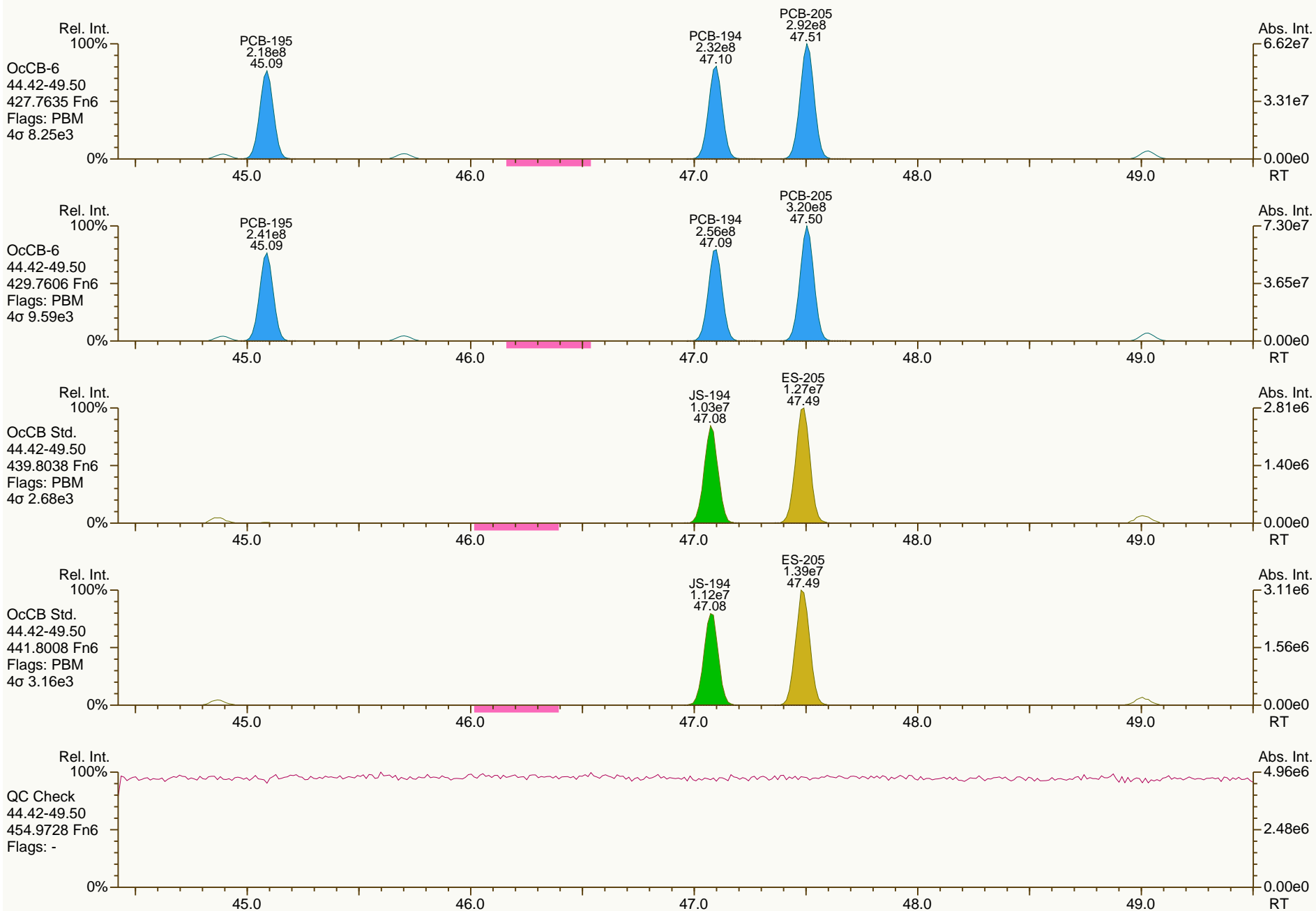
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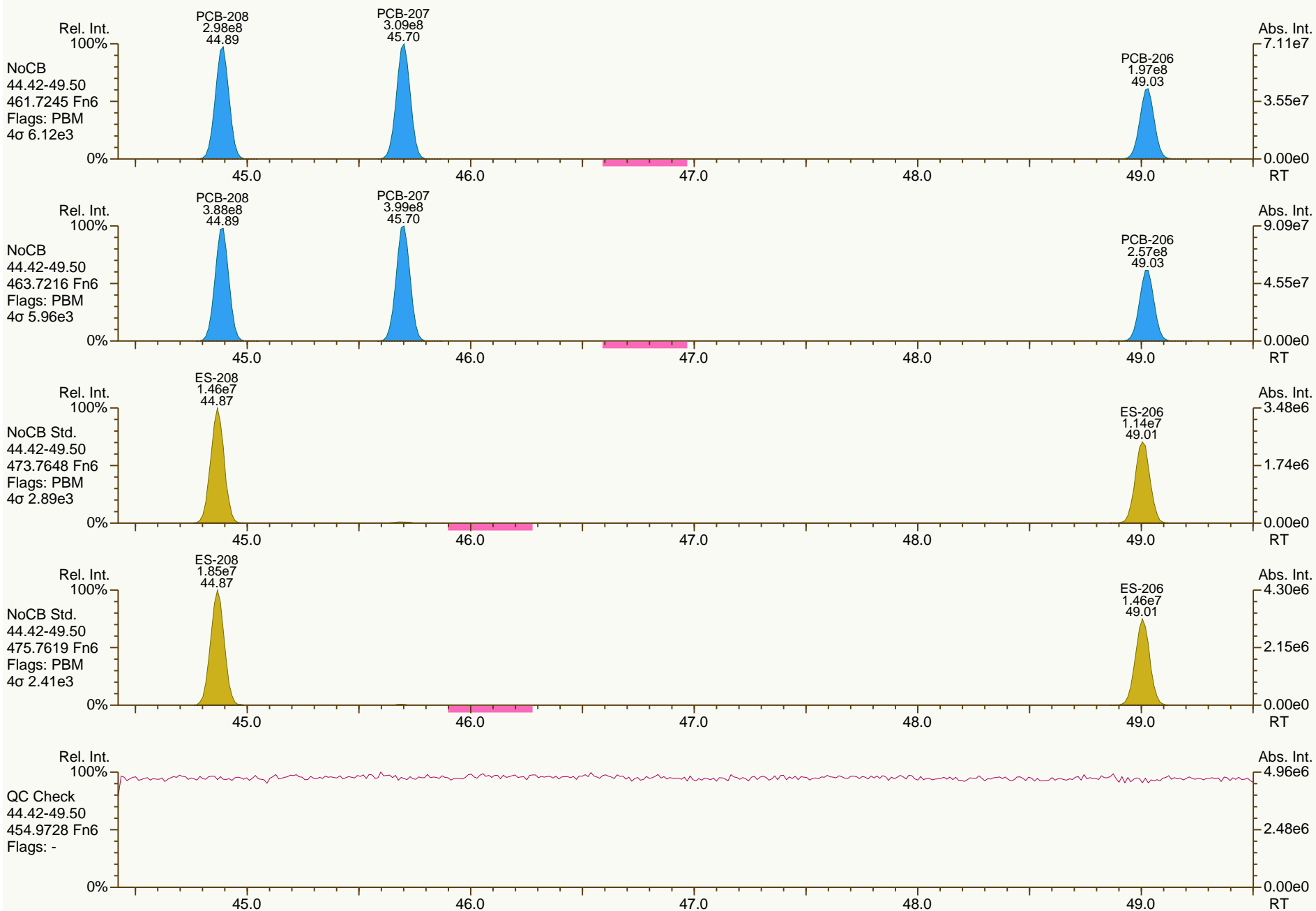
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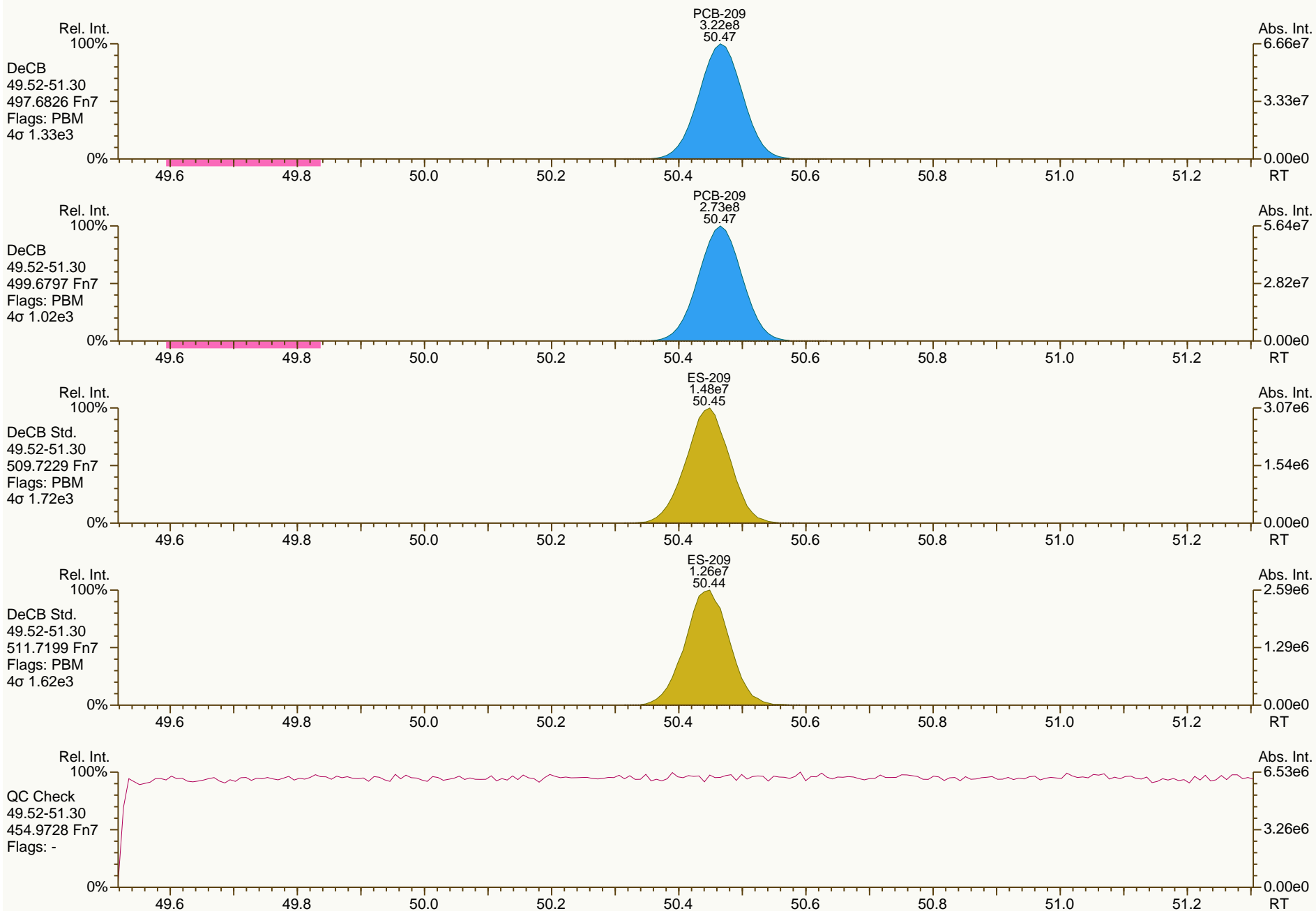
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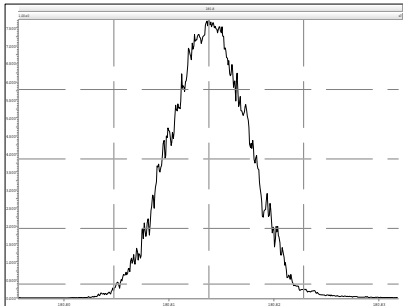


Resolution Check Report

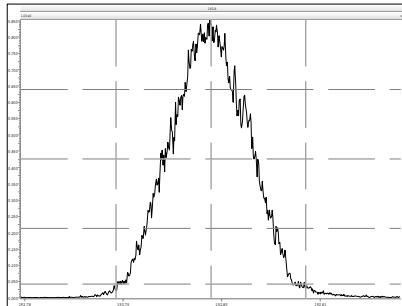
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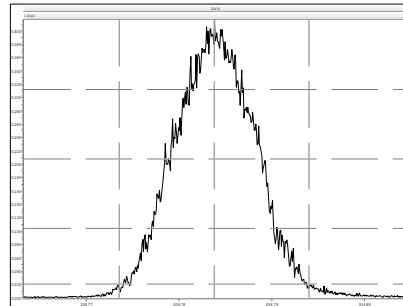
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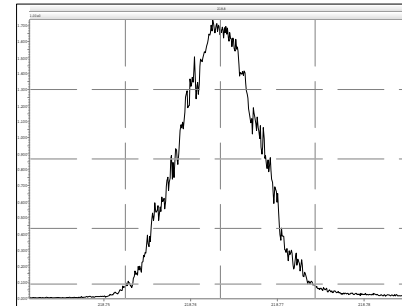
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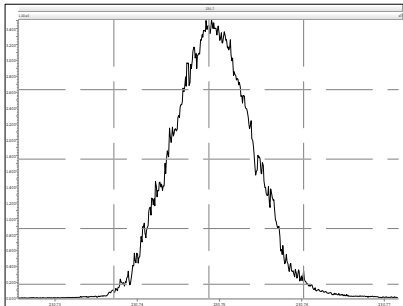
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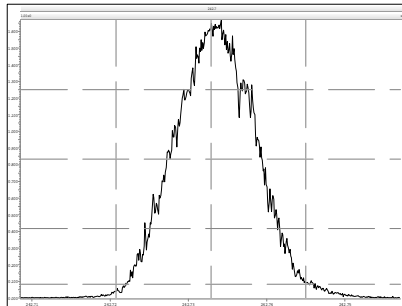
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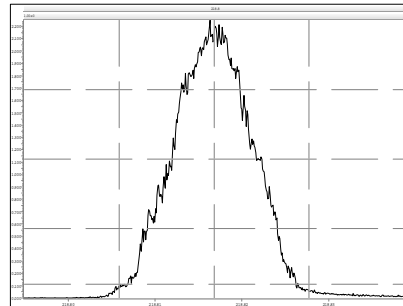
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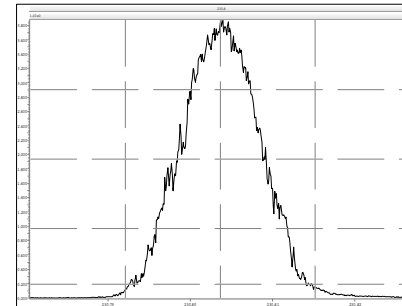
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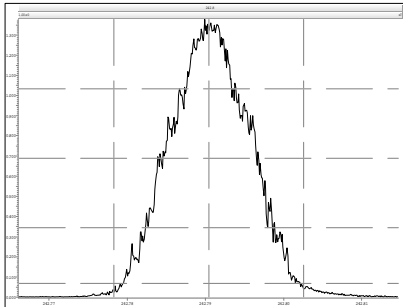
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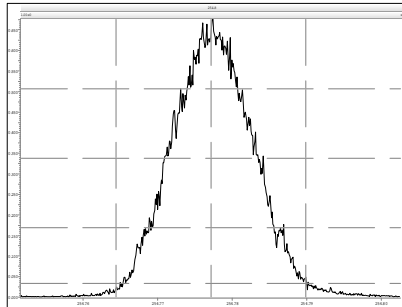
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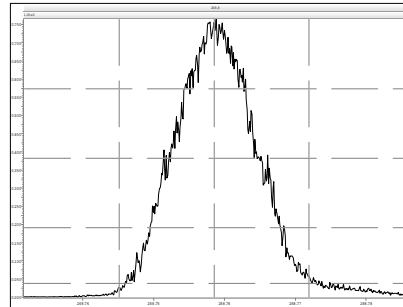
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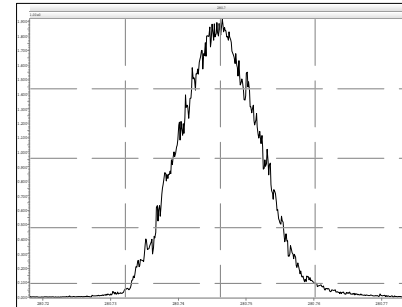
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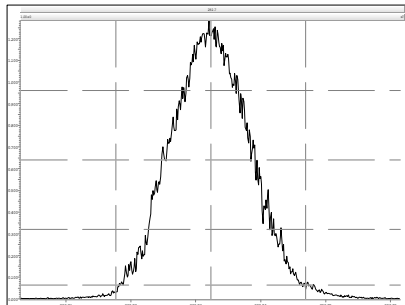


Resolution Check Report

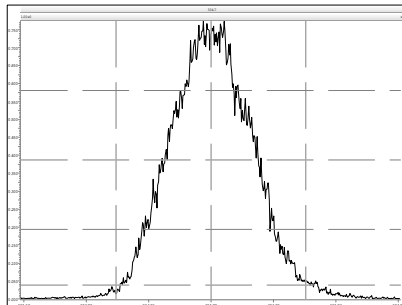
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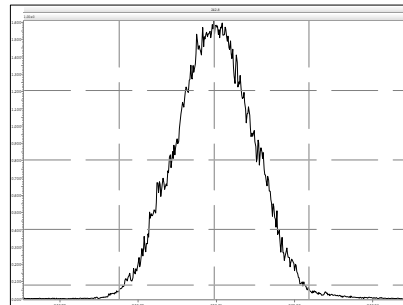
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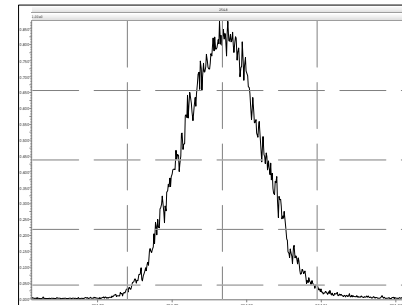
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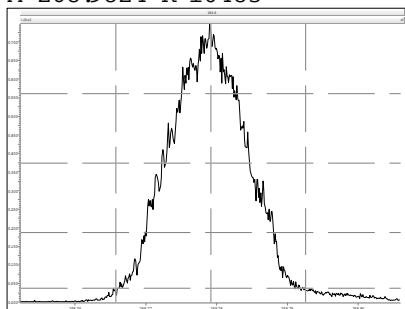
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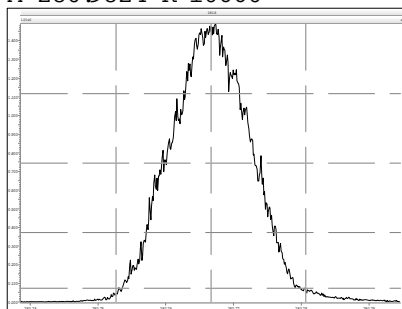
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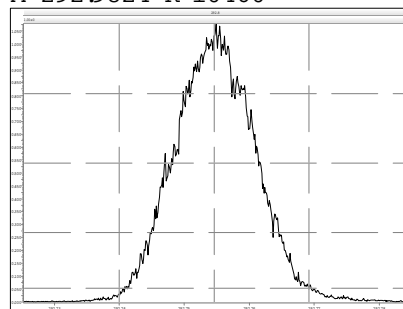
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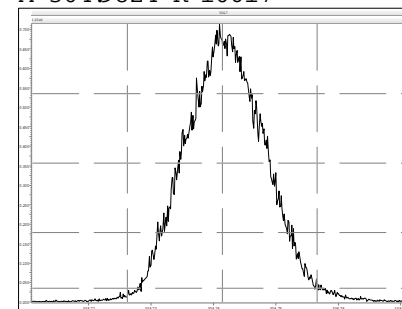
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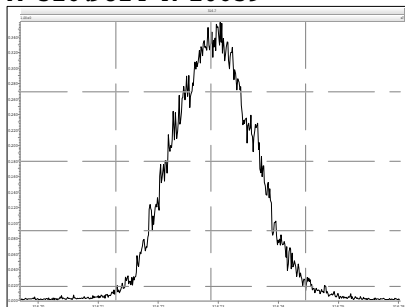
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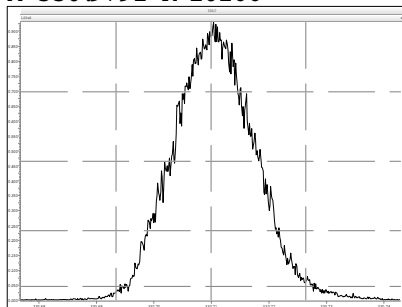
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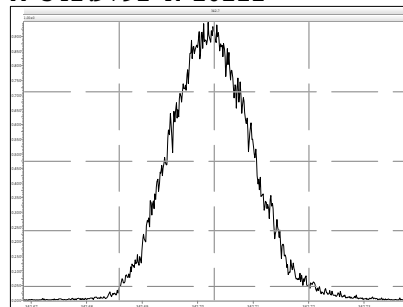
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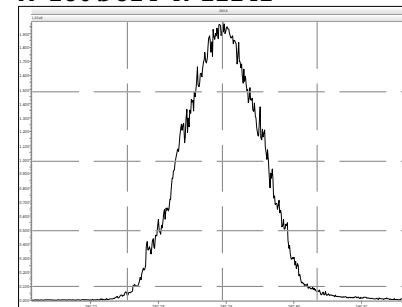
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M 342.9792 R 10122



M 280.9824 R 11142

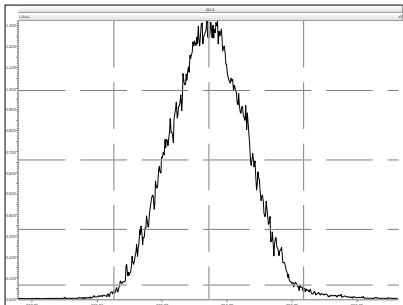


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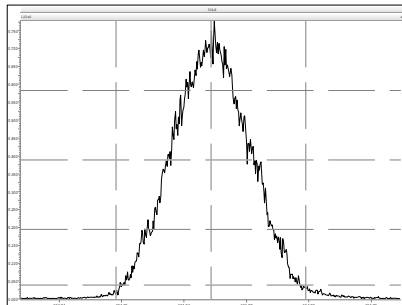
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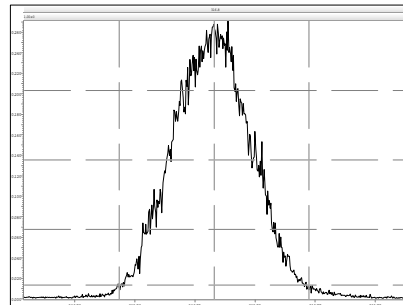
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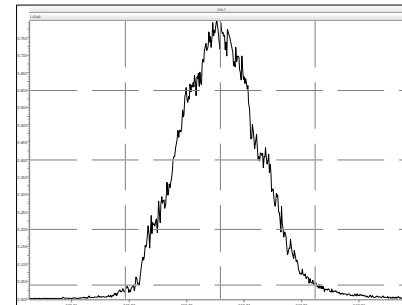
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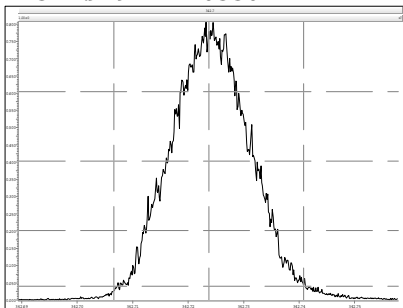
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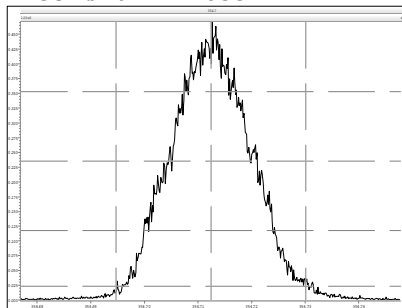
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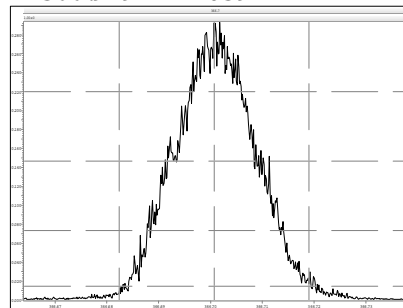
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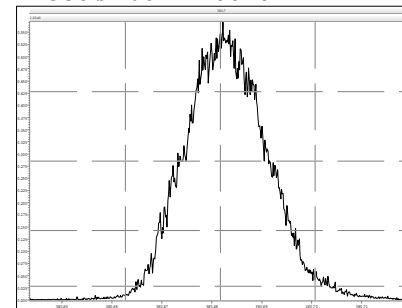
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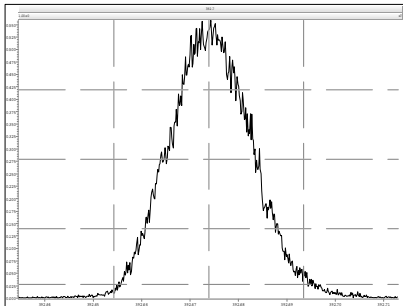
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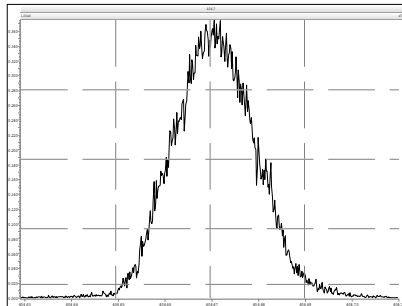
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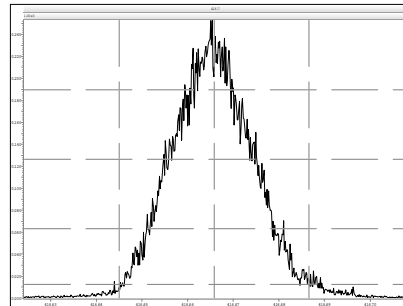
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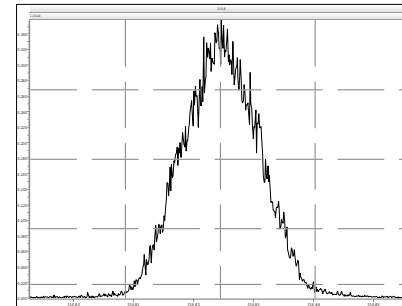
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M 416.9760 R 10225



M 316.9824 R 10964



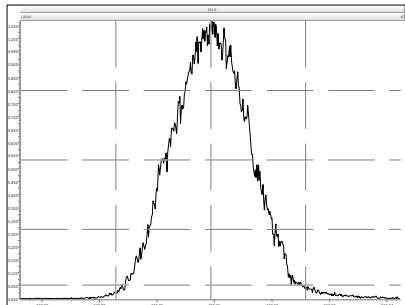
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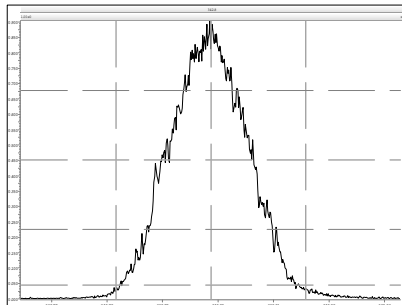
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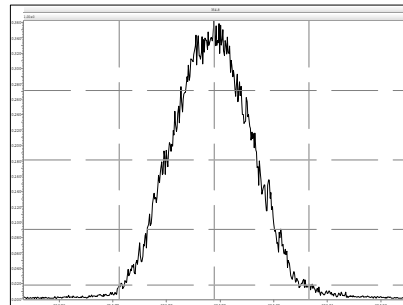
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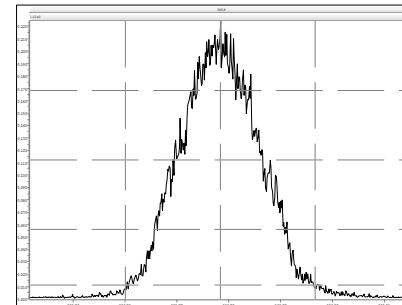
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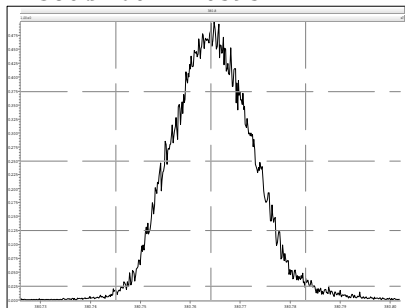
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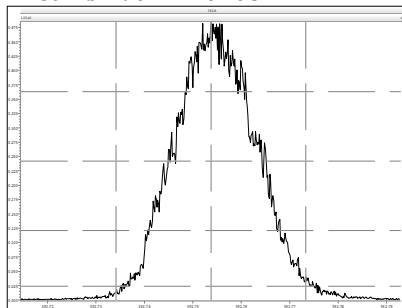
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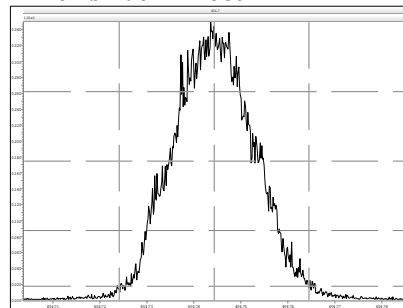
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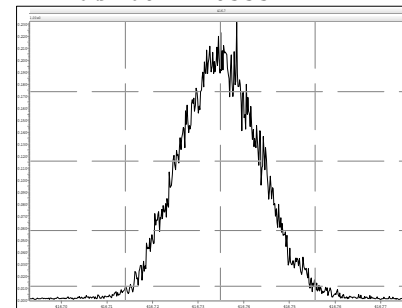
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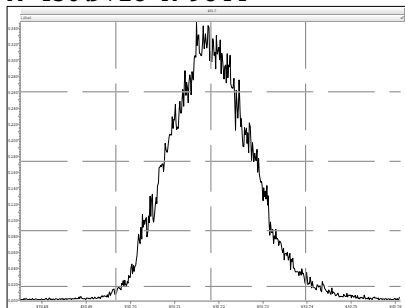
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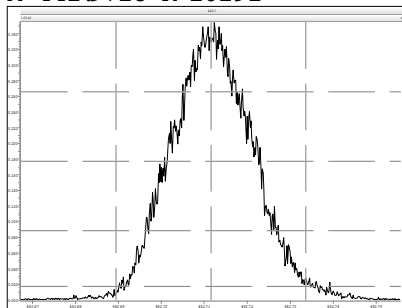
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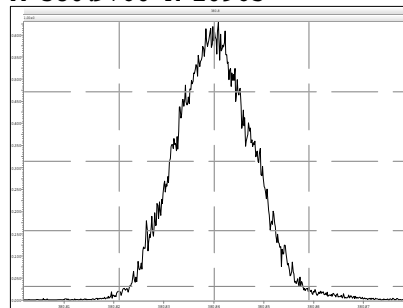
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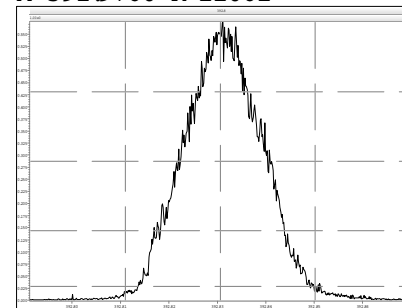
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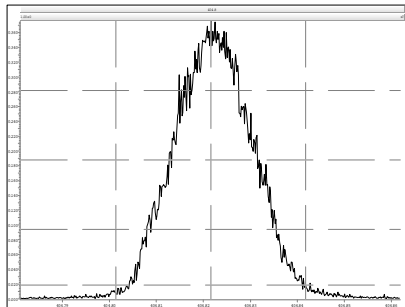


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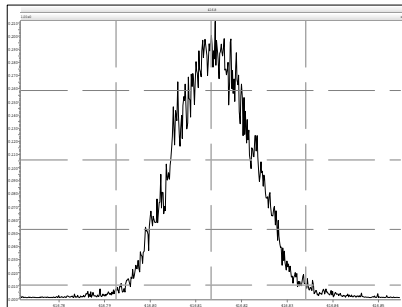


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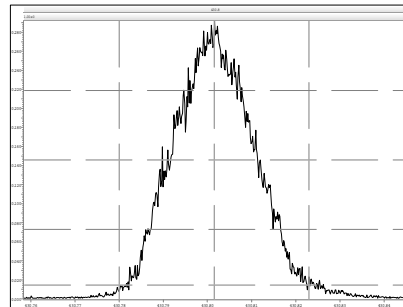
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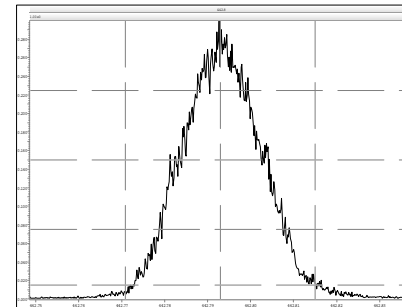
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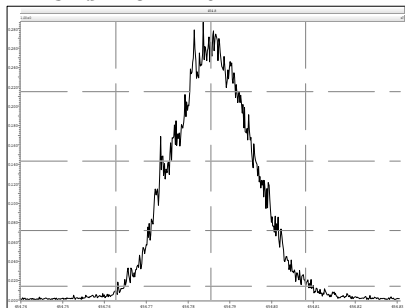
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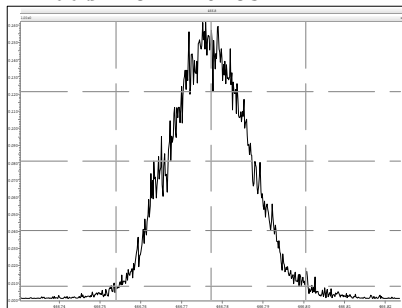
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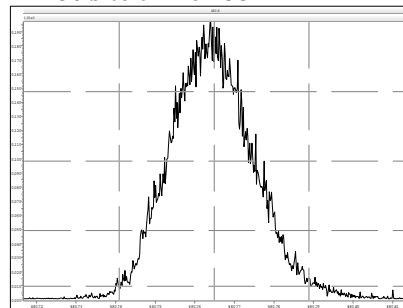
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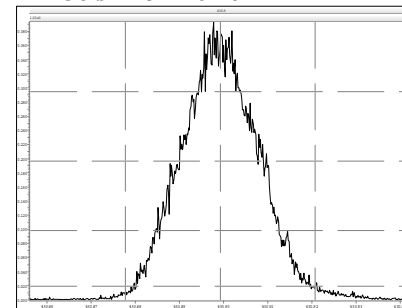
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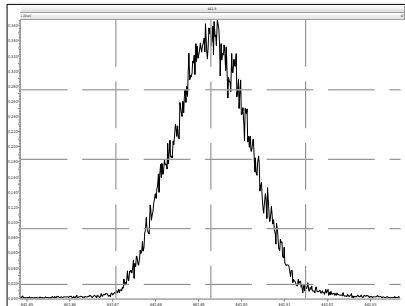
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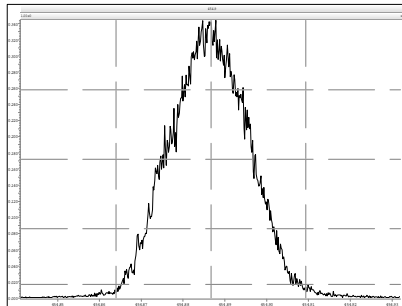
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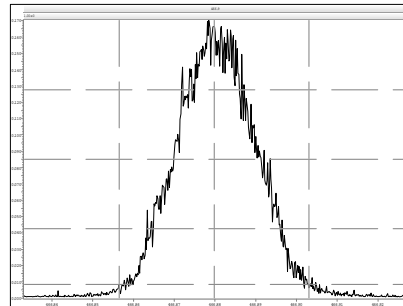
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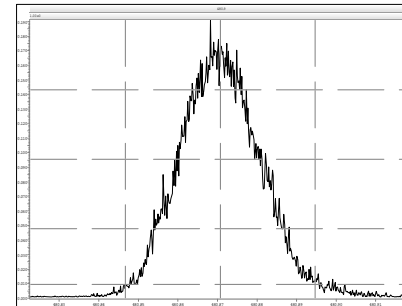
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M 466.9728 R 10893

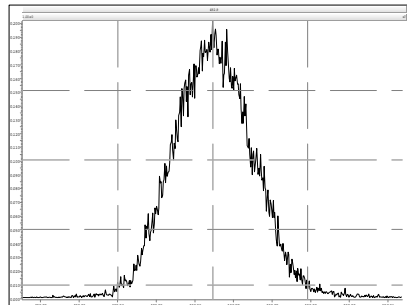


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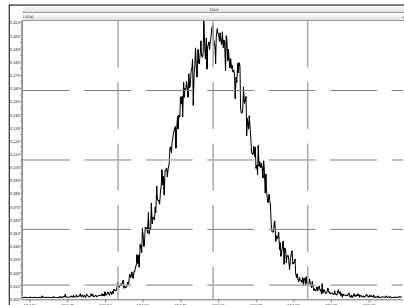


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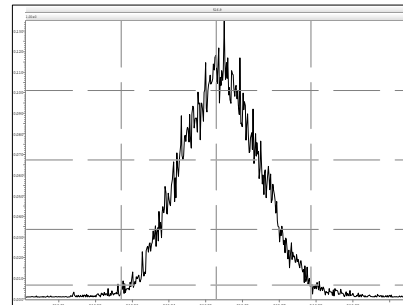
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M 504.9696 R 10641



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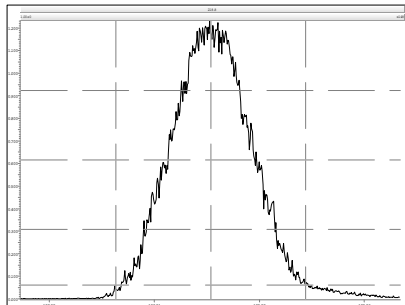


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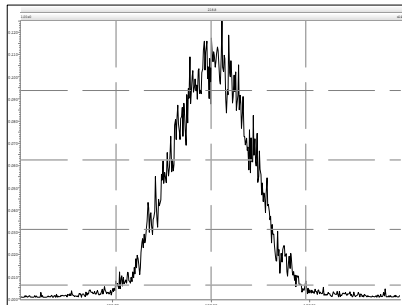
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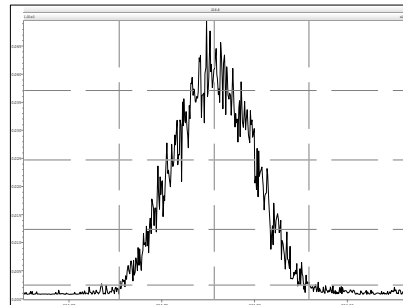
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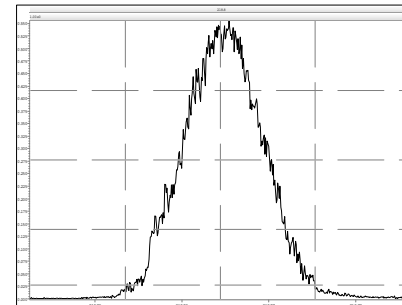
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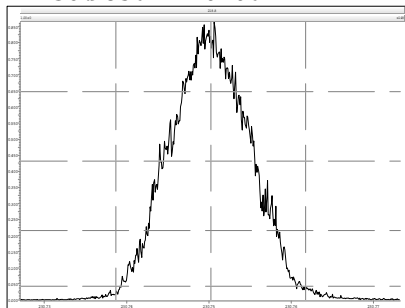
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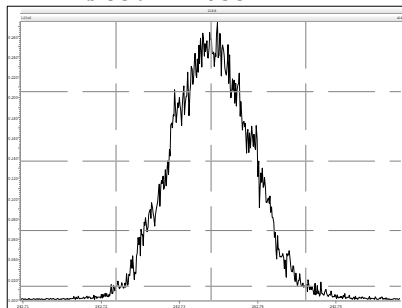
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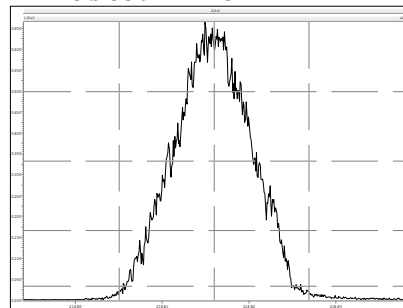
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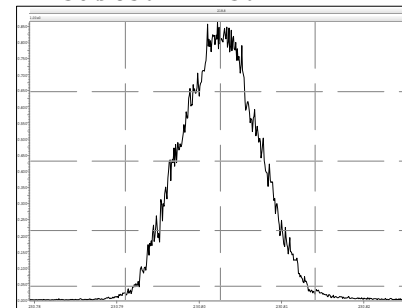
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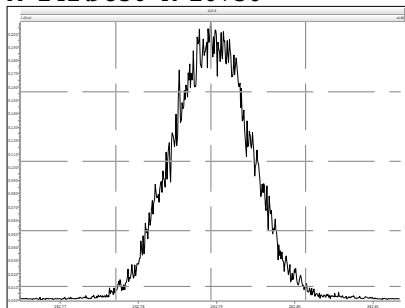
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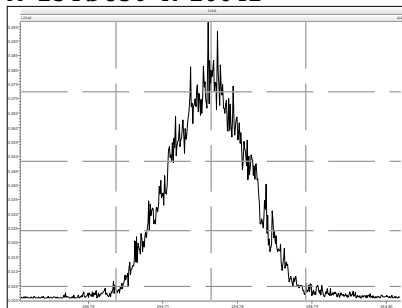
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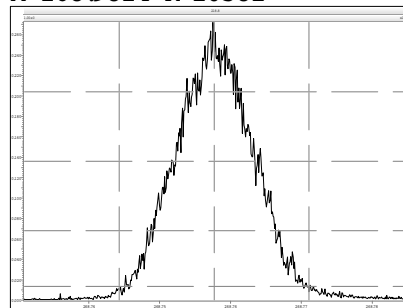
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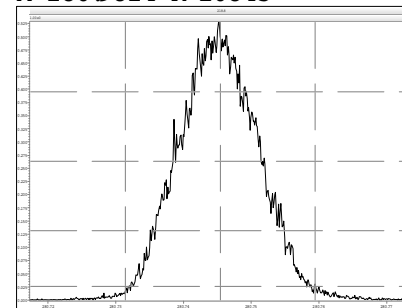
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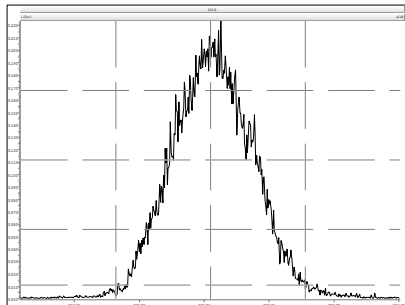


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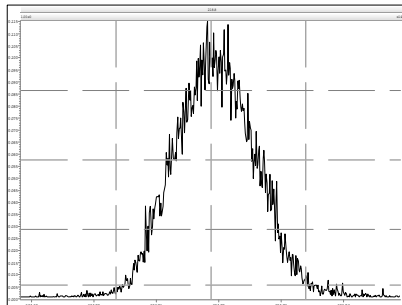
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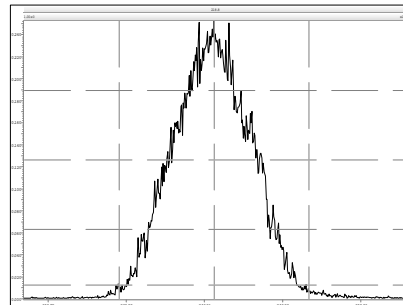
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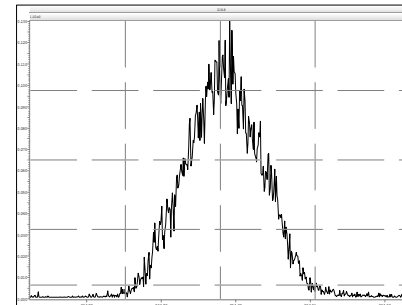
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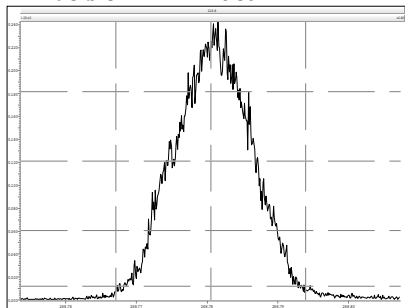
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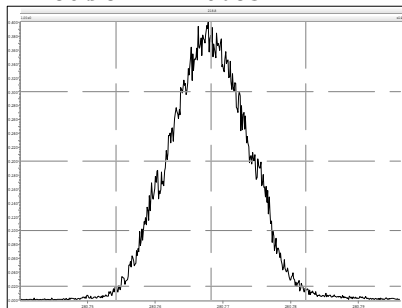
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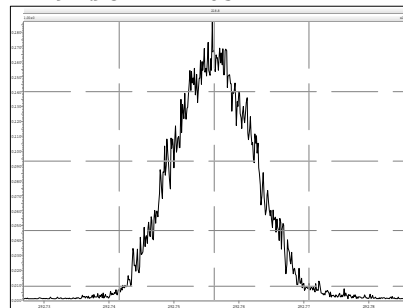
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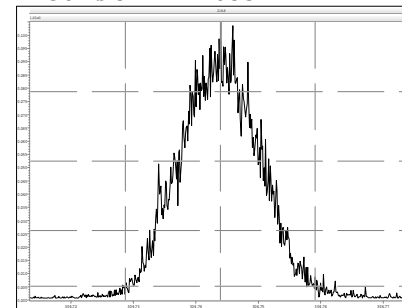
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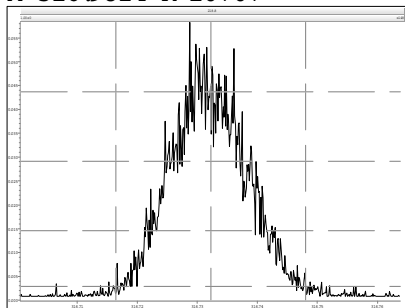
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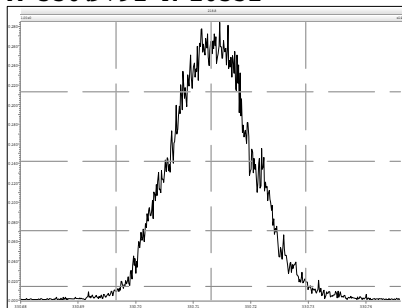
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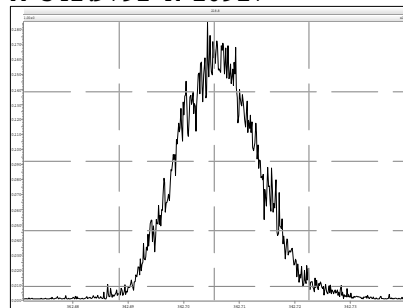
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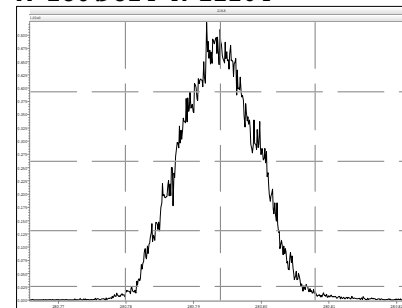
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M 342.9792 R 10917

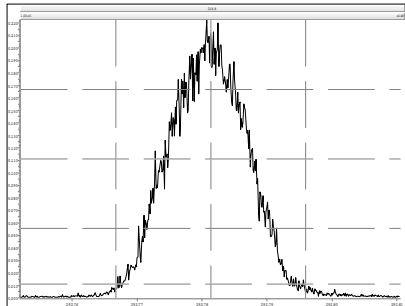


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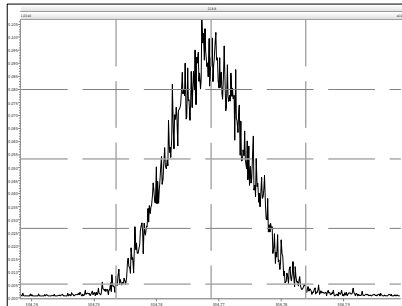


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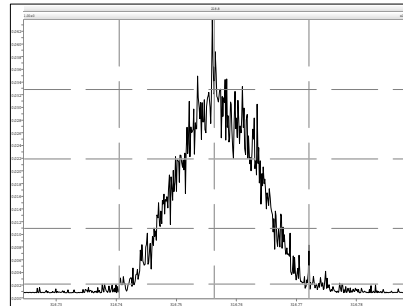
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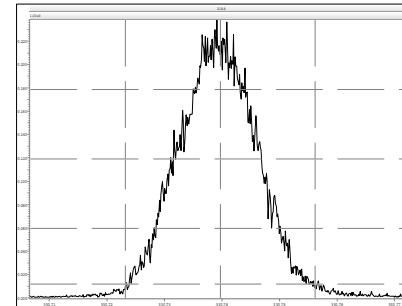
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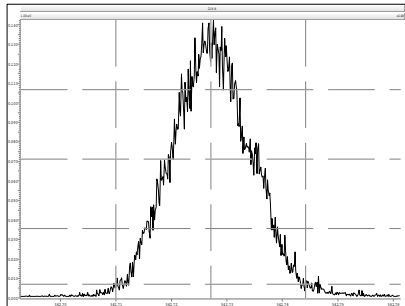
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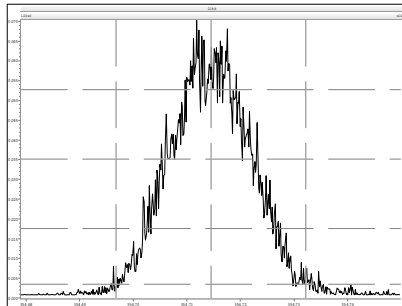
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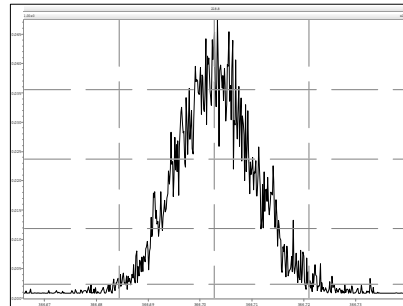
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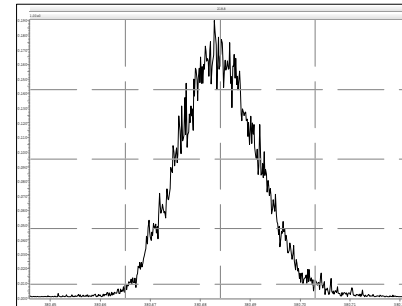
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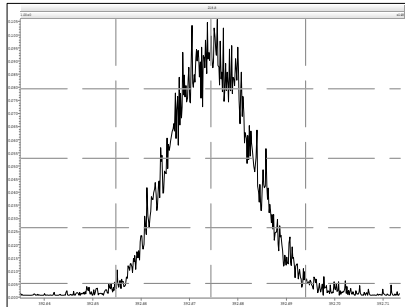
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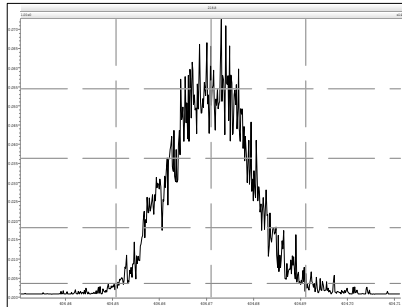
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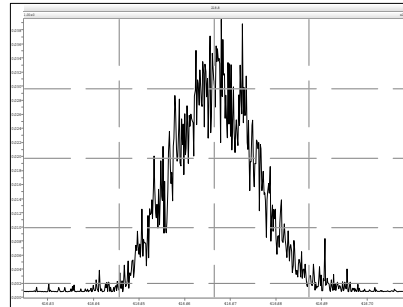
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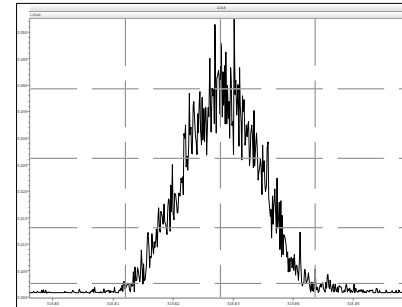
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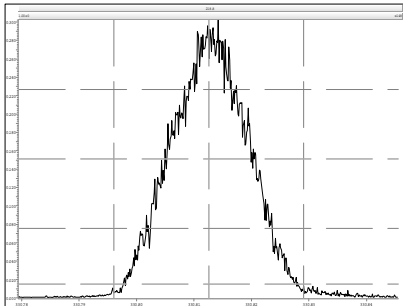


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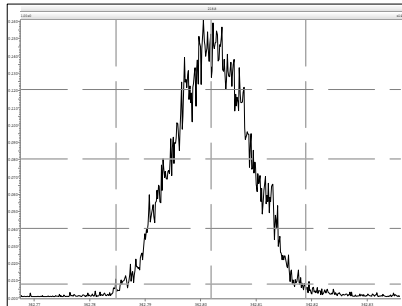


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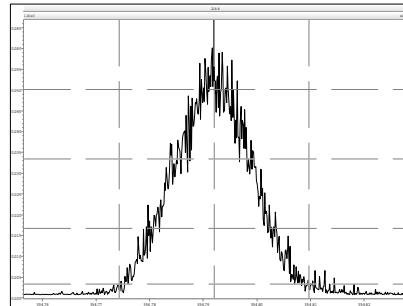
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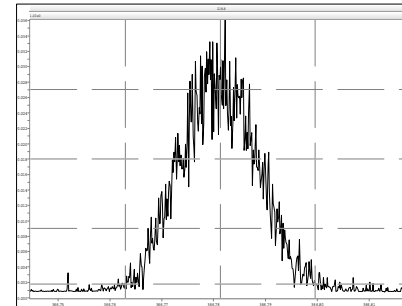
M 342.9792 R 11142



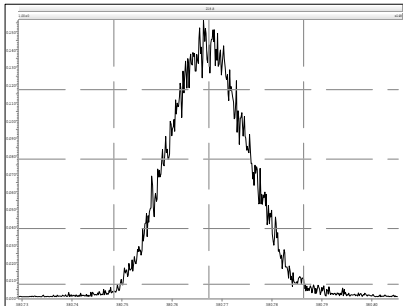
M 354.9792 R 10775



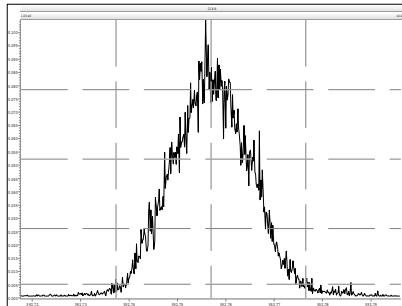
M 366.9792 R 9318



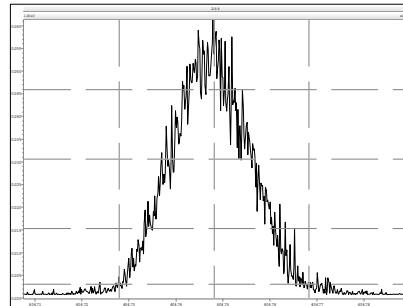
M 380.9760 R 11186



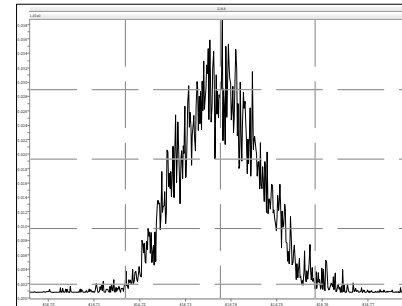
M 392.9760 R 10460



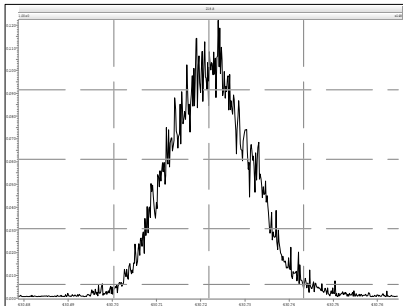
M 404.9760 R 10594



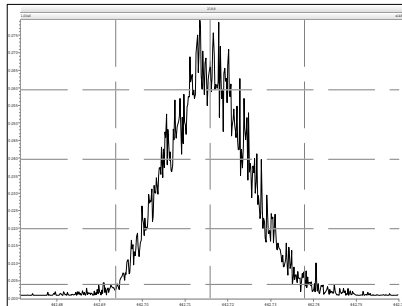
M 416.9760 R 9891



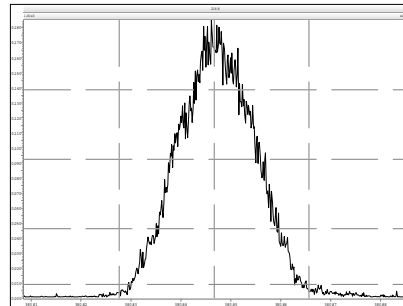
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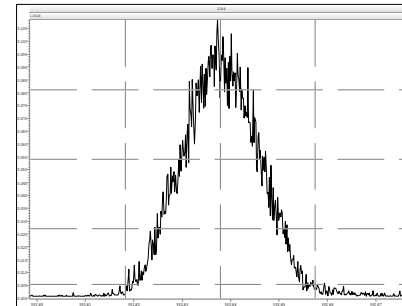
M 442.9728 R 10594



M 380.9760 R 11682



M 392.9760 R 11086

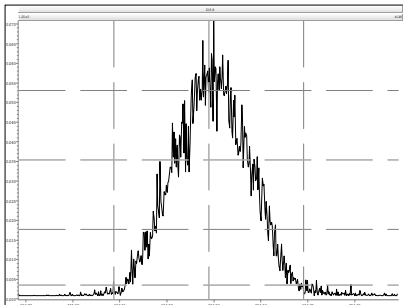


Resolution Check Report

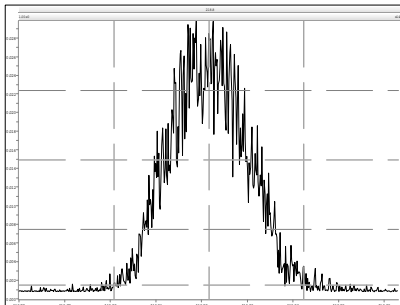
MassLynx 4.1

Printed: Monday, August 26, 2013 21:45:33 Eastern Daylight Time

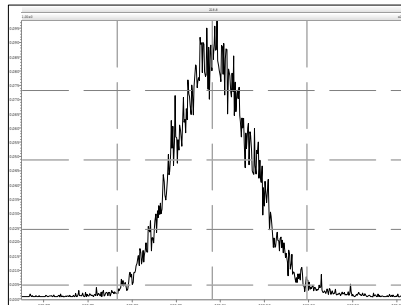
M 404.9760 R 11269



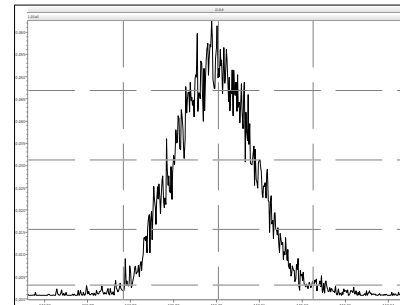
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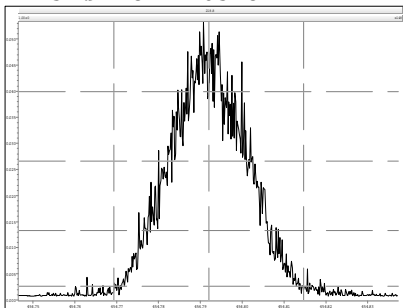
M 430.9728 R 10775



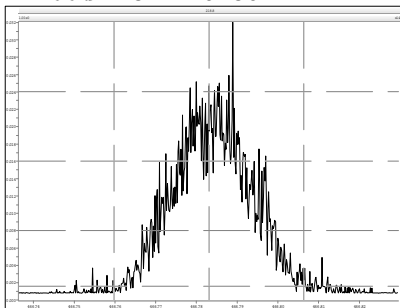
M 442.9728 R 10916



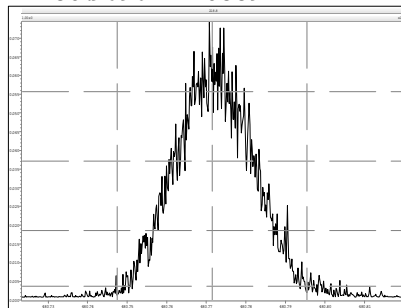
M 454.9728 R 10548



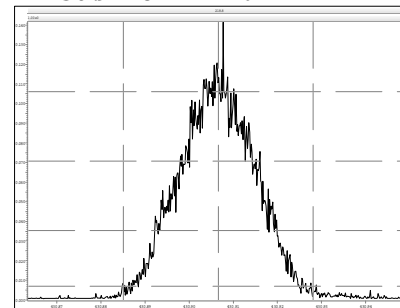
M 466.9728 R 10780



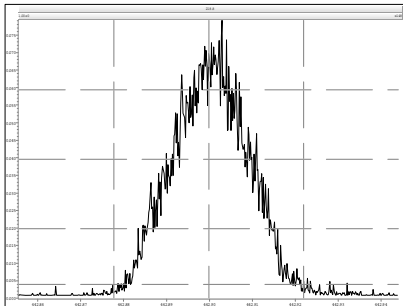
M 480.9696 R 10889



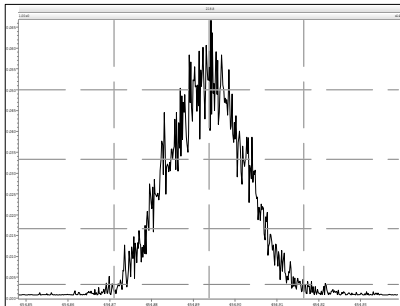
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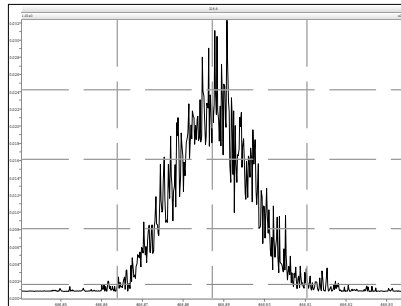
M 442.9728 R 11532



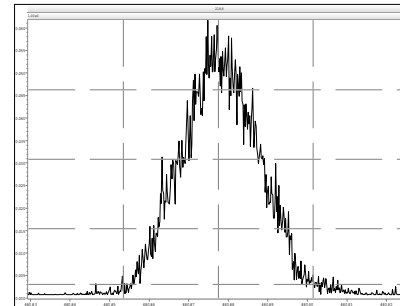
M 454.9728 R 11494



M 466.9728 R 10593

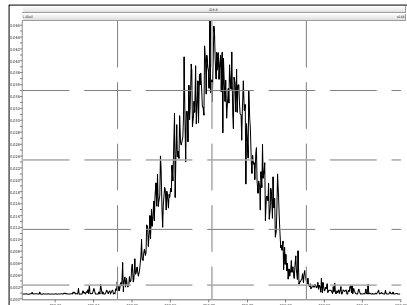


M 480.9696 R 10737

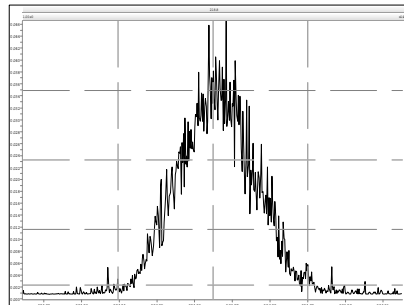


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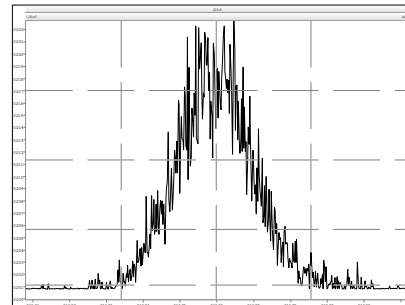
M 492.9696 R 10617



M 504.9696 R 10489



M 516.9697 R 10560



Lab ID: OPR1_11356_PCB

ACQ: 02-Oct-2013 12:39:31 JLJ

Wt/Vol: 1.00 g

ICAL: MM6_PCB_07122013_27AUG2013 CS3_131002_PCB_VB

Client ID: 0_11356_OPR001

UTP: 05-Oct-2013 14:02 JLJ

J-level: 50 pg/uL Split: 1

Checkcode: 701-314-HPP

Datafile: 131002V10

RPT: 14-Oct-2013 15:39 JJ

Std (pg): JS: 100 ES: 100 CS/SS: 100

Method HR-PCB

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-77 33'44'-TeCB	31.81	J	1.0007	1.0005	-0.4	6.14E+06	0.76	1.37	40	2.73E+03	0.187
PCB-81 344'5'-TeCB	31.34	J	1.0005	1.0006	+0.2	6.45E+06	0.78	1.20	41	2.73E+03	0.187
PCB-105 233'44'-PeCB	34.81	J	1.0007	1.0006	-0.2	5.61E+06	0.62	0.97	48.8	1.92E+03	0.176
PCB-114 2344'5'-PeCB	34.26	J	1.0007	1.0006	-0.2	5.56E+06	0.63	1.06	44.3	1.92E+03	0.16
PCB-118 23'44'5'-PeCB	33.80	J	1.0007	1.0006	-0.2	5.58E+06	0.61	1.00	46.9	1.92E+03	0.162
PCB-123 23'44'5'-PeCB	33.52	J	1.0006	1.0007	+0.2	5.43E+06	0.62	1.08	43.4	1.92E+03	0.158
PCB-126 33'44'5'-PeCB	37.44	J	1.0006	1.0005	-0.2	5.13E+06	0.64	1.08	47.6	2.55E+03	0.24
PCB-156/157 ...-HxCB	40.00	J C	1.0005	1.0005	0	1.04E+07	1.23	1.07	92.3	1.52E+03	0.198
PCB-167 23'44'55'-HxCB	39.01	J	1.0005	1.0005	0	5.30E+06	1.22	1.11	43.6	1.52E+03	0.133
PCB-169 33'44'55'-HxCB	42.75	J	1.0005	1.0005	0	2.68E+06	1.25	1.15	41.7	1.52E+03	0.292
PCB-189 233'44'55'-HpCB	44.89	J	1.0004	1.0004	0	5.19E+06	1.04	1.10	43.5	1.73E+03	0.162
PCB-209 DeCB	49.93	J	1.0004	1.0004	0	4.03E+06	1.20	1.04	46.5	1.65E+03	0.217
ES PCB-1	11.19		0.7198	0.7199	+0.1	1.01E+07	3.25	0.95	57.8 %	30%	140%
ES PCB-3	13.38		0.8609	0.8609	0	1.18E+07	3.42	0.85	74.6 %	30%	140%
ES PCB-4	13.61		0.8761	0.8762	+0.1	1.26E+07	1.52	0.67	102 %	30%	140%
ES PCB-15	19.20		1.2354	1.2354	0	1.74E+07	1.57	0.94	100 %	30%	140%
ES PCB-19	16.60		1.0686	1.0686	0	1.02E+07	1.03	0.54	101 %	30%	140%
ES PCB-37	25.47		1.0819	1.0818	-0.2	1.39E+07	1.12	1.08	90.5 %	30%	140%
ES PCB-54	19.46		0.8267	0.8266	-0.1	1.37E+07	0.79	1.27	75.3 %	30%	140%
ES PCB-77	31.80		1.3503	1.3504	+0.2	1.12E+07	0.79	0.84	93.5 %	30%	140%
ES PCB-81	31.32		1.3301	1.3301	0	1.31E+07	0.80	0.98	93.5 %	30%	140%
ES PCB-104	24.40		0.8266	0.8265	-0.1	1.56E+07	1.50	1.69	89.1 %	30%	140%
ES PCB-105	34.79		1.1783	1.1784	+0.2	1.18E+07	1.62	1.08	106 %	30%	140%
ES PCB-114	34.24		1.1599	1.1599	0	1.18E+07	1.59	1.11	103 %	30%	140%
ES PCB-118	33.78		1.1443	1.1443	0	1.18E+07	1.63	1.13	101 %	30%	140%
ES PCB-123	33.50		1.1348	1.1347	-0.2	1.16E+07	1.53	1.10	102 %	30%	140%
ES PCB-126	37.42		1.2676	1.2675	-0.2	9.95E+06	1.57	1.17	81.7 %	30%	140%
ES PCB-153	35.38		0.9709	0.9709	0	1.12E+07	1.29	1.19	84.8 %	30%	140%
ES PCB-155	29.35		0.8056	0.8055	-0.2	1.47E+07	1.24	1.80	76.5 %	30%	140%
ES PCB-156/157	39.98		1.0973	1.0972	-0.2	2.11E+07	1.27	1.13	87.3 %	30%	140%
ES PCB-167	38.99		1.0702	1.0702	0	1.09E+07	1.31	1.20	84.8 %	30%	140%
ES PCB-169	42.73		1.1728	1.1727	-0.3	5.59E+06	1.31	1.00	52.4 %	30%	140%
ES PCB-170	42.22		0.9050	0.9050	0	9.85E+06	1.05	1.24	87.9 %	30%	140%
ES PCB-180	41.15		0.8820	0.8821	+0.2	1.16E+07	1.07	1.51	86.2 %	30%	140%
ES PCB-188	34.24		0.7338	0.7338	0	1.76E+07	1.01	2.06	80 %	30%	140%
ES PCB-189	44.87		0.9618	0.9618	0	1.08E+07	1.06	1.78	78.9 %	30%	140%
ES PCB-202	38.80		0.8315	0.8315	0	1.51E+07	0.89	1.66	85 %	30%	140%
ES PCB-205	47.06		1.0086	1.0086	0	7.92E+06	0.90	1.22	84.5 %	30%	140%
ES PCB-206	48.54		1.0404	1.0404	0	8.81E+06	0.76	1.23	92.6 %	30%	140%
ES PCB-208	44.47		0.9530	0.9531	+0.3	1.12E+07	0.78	1.60	90.4 %	30%	140%
ES PCB-209	49.91		1.0698	1.0698	0	8.34E+06	1.16	1.31	82.6 %	30%	140%

REVIEWED

By Amber Kornegay at 11:01 am, Oct 15, 2013

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
SS PCB-28	21.93		0.9317	0.9315	-0.3	1.67E+07	1.14	1.25	96 %	40%	125%
SS PCB-111	31.82		1.0780	1.0780	0	1.40E+07	1.55	1.15	105 %	40%	125%
SS PCB-178	36.82		1.0104	1.0104	0	1.09E+07	1.05	0.54	115 %	40%	125%
CS PCB-28	21.93		0.9317	0.9315	-0.3	1.67E+07	1.14	1.34	87.2 %	40%	125%
CS PCB-111	31.82		1.0780	1.0780	0	1.40E+07	1.55	1.27	107 %	40%	125%
CS PCB-178	36.82		1.0104	1.0104	0	1.09E+07	1.05	1.11	92.2 %	40%	125%
JS PCB-9	15.54					1.85E+07	1.57				
JS PCB-52	23.54					1.43E+07	0.77				
JS PCB-101	29.52					1.04E+07	1.58				
JS PCB-138	36.44					1.07E+07	1.34				
JS PCB-194	46.66					7.71E+06	0.89				
			Totals			NON-EMPC		EMPC		DL	
			Mono-CBs			93.6		93.6		0.173	
			Di-CBs			92.4		92.4		0.271	
			Tri-CBs			86.4		86.4		0.256	
			Tetra-CBs			132		132		0.177	
			Penta-CBs			277		277		0.166	
			Hexa-CBs			222		222		0.176	
			Hepta-CBs			94.1		94.1		0.177	
			Octa-CBs			104		104		0.163	
			Nona-CBs			99.1		99.1		0.306	
PCB-1 2-MoCB	11.20	J	1.0011	1.0011	0	5.71E+06	2.98	1.19	47.2	3.17E+03	0.172
PCB-2 3-MoCB	NotFnd		0.9878	-		0.00E+00		1.19	ND	3.17E+03	0.182
PCB-3 4-MoCB	13.39	J	1.0010	1.0010	0	6.78E+06	3.06	1.24	46.4	3.17E+03	0.174
PCB-4 22'-DiCB	13.63	J	1.0011	1.0011	0	5.39E+06	1.53	0.88	48.5	3.70E+03	0.258
PCB-10 26-DiCB	NotFnd		1.0139	-		0.00E+00		1.38	ND	3.70E+03	0.165
PCB-9 25-DiCB	NotFnd		1.0010	-		0.00E+00		0.85	ND	5.19E+03	0.337
PCB-7 24-DiCB	NotFnd		1.0114	-		0.00E+00		0.95	ND	5.19E+03	0.302
PCB-6 23'-DiCB	NotFnd		1.0255	-		0.00E+00		0.90	ND	5.19E+03	0.32
PCB-5 23-DiCB	NotFnd		1.0443	-		0.00E+00		0.91	ND	5.19E+03	0.316
PCB-8 24'-DiCB	NotFnd		1.0519	-		0.00E+00		0.94	ND	5.19E+03	0.307
PCB-14 35-DiCB	NotFnd		0.9313	-		0.00E+00		1.09	ND	5.19E+03	0.264
PCB-11 33'-DiCB	NotFnd		0.9712	-		0.00E+00		0.91	ND	5.19E+03	0.318
PCB-13/12 34'/34-DiCB	NotFnd	C	0.9862	-		0.00E+00		0.91	ND	5.19E+03	0.316
PCB-15 44'-DiCB	19.21	J	1.0007	1.0009	+0.2	7.74E+06	1.53	1.01	43.9	5.19E+03	0.284
PCB-19 22'6-TrCB	16.62	J	1.0011	1.0011	0	4.49E+06	1.02	0.92	47.7	3.35E+03	0.31
PCB-30/18 246/22'5-TrCB	NotFnd	C	1.1054	-		0.00E+00		1.18	ND	3.35E+03	0.244
PCB-17 22'4-TrCB	NotFnd		1.1291	-		0.00E+00		1.02	ND	3.35E+03	0.28
PCB-27 23'6-TrCB	NotFnd		1.1405	-		0.00E+00		1.35	ND	3.35E+03	0.213
PCB-24 236-TrCB	NotFnd		1.1483	-		0.00E+00		1.33	ND	3.35E+03	0.216
PCB-16 22'3-TrCB	NotFnd		1.1538	-		0.00E+00		0.76	ND	3.35E+03	0.379

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-32 24'6-TrCB	NotFnd		1.1826	-		0.00E+00		1.46	ND	3.35E+03	0.196
PCB-34 23'5'-TrCB	NotFnd		0.8160	-		0.00E+00		1.35	ND	3.70E+03	0.203
PCB-23 235-TrCB	NotFnd		0.8218	-		0.00E+00		1.39	ND	3.70E+03	0.197
PCB-26/29 23'5'/245-TrCB	NotFnd	C	0.8329	-		0.00E+00		1.37	ND	3.70E+03	0.2
PCB-25 23'4-TrCB	NotFnd		0.8406	-		0.00E+00		1.43	ND	3.70E+03	0.192
PCB-31 24'5-TrCB	NotFnd		0.8514	-		0.00E+00		1.44	ND	3.70E+03	0.19
PCB-28/20 244'/233'-TrCB	NotFnd	C	0.8623	-		0.00E+00		1.33	ND	3.70E+03	0.205
PCB-21/33 234/23'4'-TrCB	NotFnd	C	0.8692	-		0.00E+00		1.39	ND	3.70E+03	0.197
PCB-22 234'-TrCB	NotFnd		0.8839	-		0.00E+00		1.29	ND	3.70E+03	0.212
PCB-36 33'5-TrCB	NotFnd		0.9382	-		0.00E+00		1.37	ND	3.70E+03	0.199
PCB-39 34'5-TrCB	NotFnd		0.9506	-		0.00E+00		1.43	ND	3.70E+03	0.192
PCB-38 345-TrCB	NotFnd		0.9712	-		0.00E+00		1.28	ND	3.70E+03	0.213
PCB-35 33'4-TrCB	NotFnd		0.9866	-		0.00E+00		1.20	ND	3.70E+03	0.227
PCB-37 344'-TrCB	25.49	J	1.0008	1.0008	0	7.25E+06	1.00	1.35	38.6	3.70E+03	0.202
PCB-54 22'66'-TeCB	19.48		1.0010	1.0010	0	7.56E+06	0.79	1.08	51.3	2.53E+03	0.149
PCB-50/53 22'46/22'56'-TeCB	NotFnd	C	0.9113	-		0.00E+00		0.93	ND	2.01E+03	0.178
PCB-45 22'36-TeCB	NotFnd		0.9357	-		0.00E+00		0.79	ND	2.01E+03	0.21
PCB-51 22'46'-TeCB	NotFnd		0.9389	-		0.00E+00		0.97	ND	2.01E+03	0.171
PCB-46 22'36'-TeCB	NotFnd		0.9475	-		0.00E+00		0.78	ND	2.01E+03	0.214
PCB-52 22'55'-TeCB	NotFnd		1.0010	-		0.00E+00		0.91	ND	2.01E+03	0.183
PCB-73 23'5'6-TeCB	NotFnd		1.0064	-		0.00E+00		1.14	ND	2.01E+03	0.145
PCB-43 22'35-TeCB	NotFnd		1.0102	-		0.00E+00		0.83	ND	2.01E+03	0.201
PCB-69/49 23'46/22'45'-TeCB	NotFnd	C	1.0187	-		0.00E+00		1.09	ND	2.01E+03	0.152
PCB-48 22'45-TeCB	NotFnd		1.0304	-		0.00E+00		0.91	ND	2.01E+03	0.183
PCB-44/47/65 ...-TeCB	NotFnd	C	1.0396	-		0.00E+00		0.97	ND	2.01E+03	0.171
PCB-59/62/75 ...-TeCB	NotFnd	C	1.0512	-		0.00E+00		1.22	ND	2.01E+03	0.136
PCB-42 22'34'-TeCB	NotFnd		1.0580	-		0.00E+00		0.87	ND	2.01E+03	0.192
PCB-41 22'34-TeCB	NotFnd		1.0721	-		0.00E+00		0.77	ND	2.01E+03	0.216
PCB-71/40 23'4'6/22'33'-TeCB	NotFnd	C	1.0762	-		0.00E+00		0.93	ND	2.01E+03	0.178
PCB-64 234'6-TeCB	NotFnd		1.0847	-		0.00E+00		1.32	ND	2.01E+03	0.126
PCB-72 23'55'-TeCB	NotFnd		0.8387	-		0.00E+00		1.10	ND	2.73E+03	0.204
PCB-68 23'45'-TeCB	NotFnd		0.8468	-		0.00E+00		1.33	ND	2.73E+03	0.169
PCB-57 233'5-TeCB	NotFnd		0.8585	-		0.00E+00		1.19	ND	2.73E+03	0.189
PCB-58 233'5'-TeCB	NotFnd		0.8649	-		0.00E+00		1.23	ND	2.73E+03	0.183
PCB-67 23'45-TeCB	NotFnd		0.8699	-		0.00E+00		1.29	ND	2.73E+03	0.174
PCB-63 234'5-TeCB	NotFnd		0.8771	-		0.00E+00		1.34	ND	2.73E+03	0.168
PCB-61/70/74/76 ...-TeCB	NotFnd	C	0.8864	-		0.00E+00		1.23	ND	2.73E+03	0.183
PCB-66 23'44'-TeCB	NotFnd		0.8953	-		0.00E+00		1.16	ND	2.73E+03	0.195
PCB-55 233'4-TeCB	NotFnd		0.8999	-		0.00E+00		1.17	ND	2.73E+03	0.192
PCB-56 233'4'-TeCB	NotFnd		0.9138	-		0.00E+00		1.15	ND	2.73E+03	0.195
PCB-60 2344'-TeCB	NotFnd		0.9199	-		0.00E+00		1.18	ND	2.73E+03	0.191
PCB-80 33'55'-TeCB	NotFnd		0.9309	-		0.00E+00		1.38	ND	2.73E+03	0.163
PCB-79 33'45'-TeCB	NotFnd		0.9730	-		0.00E+00		1.35	ND	2.73E+03	0.167
PCB-78 33'45-TeCB	NotFnd		0.9885	-		0.00E+00		1.08	ND	2.73E+03	0.208
PCB-104 22'466'-PeCB	24.42	J	1.0009	1.0009	0	8.11E+06	0.65	1.12	46.5	1.92E+03	0.1
PCB-96 22'366'-PeCB	NotFnd		1.0136	-		0.00E+00		0.97	ND	1.92E+03	0.116
PCB-103 22'45'6-PeCB	NotFnd		0.8954	-		0.00E+00		0.81	ND	1.92E+03	0.211
PCB-94 22'356'-PeCB	NotFnd		0.9017	-		0.00E+00		0.69	ND	1.92E+03	0.247

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-95 22'35'6-PeCB	NotFnd		0.9145	-		0.00E+00		0.74	ND	1.92E+03	0.229
PCB-100/93 22'44'6/22'356-PeCB	NotFnd	C	0.9217	-		0.00E+00		0.75	ND	1.92E+03	0.226
PCB-102 22'456'-PeCB	NotFnd		0.9256	-		0.00E+00		0.86	ND	1.92E+03	0.199
PCB-98 22'34'6'-PeCB	NotFnd		0.9279	-		0.00E+00		0.68	ND	1.92E+03	0.25
PCB-88 22'346-PeCB	NotFnd		0.9379	-		0.00E+00		0.69	ND	1.92E+03	0.248
PCB-91 22'34'6-PeCB	NotFnd		0.9401	-		0.00E+00		0.87	ND	1.92E+03	0.197
PCB-84 22'33'6-PeCB	NotFnd		0.9464	-		0.00E+00		0.64	ND	1.92E+03	0.265
PCB-89 22'346'-PeCB	NotFnd		0.9606	-		0.00E+00		0.70	ND	1.92E+03	0.245
PCB-121 23'45'6-PeCB	NotFnd		0.9729	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-92 22'355'-PeCB	NotFnd		0.9835	-		0.00E+00		0.73	ND	1.92E+03	0.232
PCB-113/90/101 ...-PeCB	NotFnd	C	0.9999	-		0.00E+00		0.87	ND	1.92E+03	0.195
PCB-83 22'33'5-PeCB	NotFnd		1.0145	-		0.00E+00		0.65	ND	1.92E+03	0.263
PCB-99 22'44'5-PeCB	NotFnd		1.0179	-		0.00E+00		0.78	ND	1.92E+03	0.218
PCB-112 233'56-PeCB	NotFnd		1.0212	-		0.00E+00		1.00	ND	1.92E+03	0.171
PCB-108/119/86/97/125...-PeCB	NotFnd	C	1.0329	-		0.00E+00		0.87	ND	1.92E+03	0.197
PCB-117 234'56-PeCB	NotFnd		1.0510	-		0.00E+00		1.00	ND	1.92E+03	0.17
PCB-116/85 23456/22'344'-PeCB	NotFnd	C	1.0539	-		0.00E+00		0.81	ND	1.92E+03	0.209
PCB-110 233'4'6-PeCB	NotFnd		1.0580	-		0.00E+00		1.01	ND	1.92E+03	0.168
PCB-115 2344'6-PeCB	NotFnd		1.0610	-		0.00E+00		0.97	ND	1.92E+03	0.176
PCB-82 22'33'4-PeCB	NotFnd		1.0674	-		0.00E+00		0.63	ND	1.92E+03	0.272
PCB-111 233'55'-PeCB	NotFnd		1.0787	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-120 23'455'-PeCB	NotFnd		1.0922	-		0.00E+00		1.07	ND	1.92E+03	0.159
PCB-107/124 ...-PeCB	NotFnd	C	0.9913	-		0.00E+00		0.95	ND	1.92E+03	0.179
PCB-109 233'46-PeCB	NotFnd		0.9974	-		0.00E+00		1.10	ND	1.92E+03	0.155
PCB-106 233'45-PeCB	NotFnd		1.0039	-		0.00E+00		1.01	ND	1.92E+03	0.169
PCB-122 233'4'5'-PeCB	NotFnd		1.0092	-		0.00E+00		0.88	ND	1.92E+03	0.192
PCB-127 33'455'-PeCB	NotFnd		1.0366	-		0.00E+00		0.97	ND	1.92E+03	0.176
PCB-155 22'44'66'-HxCB	29.37	J	1.0007	1.0008	+0.2	7.87E+06	1.27	1.21	44.3	1.53E+03	0.0811
PCB-152 22'3566'-HxCB	NotFnd		1.0059	-		0.00E+00		1.09	ND	1.53E+03	0.0894
PCB-150 22'34'66'-HxCB	NotFnd		1.0109	-		0.00E+00		1.09	ND	1.53E+03	0.0895
PCB-136 22'33'66'-HxCB	NotFnd		1.0210	-		0.00E+00		0.98	ND	1.53E+03	0.0995
PCB-145 22'3466'-HxCB	NotFnd		1.0303	-		0.00E+00		1.02	ND	1.53E+03	0.0957
PCB-148 22'34'56'-HxCB	NotFnd		1.0742	-		0.00E+00		1.03	ND	1.53E+03	0.147
PCB-151/135 ...-HxCB	NotFnd	C	1.0918	-		0.00E+00		1.00	ND	1.53E+03	0.151
PCB-154 22'44'56'-HxCB	NotFnd		1.0991	-		0.00E+00		1.14	ND	1.53E+03	0.132
PCB-144 22'345'6-HxCB	NotFnd		1.1079	-		0.00E+00		1.03	ND	1.53E+03	0.145
PCB-147/149 ...-HxCB	NotFnd	C	1.1182	-		0.00E+00		1.05	ND	1.53E+03	0.143
PCB-134 22'33'56-HxCB	NotFnd		1.1239	-		0.00E+00		0.77	ND	1.53E+03	0.194
PCB-143 22'3456'-HxCB	NotFnd		1.1268	-		0.00E+00		1.06	ND	1.53E+03	0.142
PCB-139/140 ...-HxCB	NotFnd	C	1.1359	-		0.00E+00		1.05	ND	1.53E+03	0.143
PCB-131 22'33'46-HxCB	NotFnd		1.1417	-		0.00E+00		0.91	ND	1.53E+03	0.166
PCB-142 22'3456-HxCB	NotFnd		1.1466	-		0.00E+00		0.91	ND	1.53E+03	0.165
PCB-132 22'33'46'-HxCB	NotFnd		1.1547	-		0.00E+00		0.93	ND	1.53E+03	0.161
PCB-133 22'33'55'-HxCB	NotFnd		1.1690	-		0.00E+00		0.98	ND	1.53E+03	0.154
PCB-165 233'55'6-HxCB	NotFnd		0.9511	-		0.00E+00		1.20	ND	1.53E+03	0.125
PCB-146 22'34'55'-HxCB	NotFnd		0.9570	-		0.00E+00		1.09	ND	1.53E+03	0.138
PCB-161 233'45'6-HxCB	NotFnd		0.9602	-		0.00E+00		1.36	ND	1.53E+03	0.111
PCB-153/168 ...-HxCB	NotFnd	C	0.9720	-		0.00E+00		1.32	ND	1.53E+03	0.113

Name	Actual RT	QC	Pred RRT	Actual RRT	Diff Secs	Response	Ra	RRF	Conc. / Recv.	Noise / Recv. Low	DL / Recv. High
PCB-141 22'3455'-HxCB	NotFnd		0.9759	-		0.00E+00		1.02	ND	1.53E+03	0.147
PCB-130 22'33'45'-HxCB	NotFnd		0.9854	-		0.00E+00		0.89	ND	1.53E+03	0.168
PCB-137 22'344'5'-HxCB	NotFnd		0.9908	-		0.00E+00		1.09	ND	1.53E+03	0.137
PCB-164 233'4'5'6'-HxCB	NotFnd		0.9932	-		0.00E+00		1.28	ND	1.53E+03	0.118
PCB-163/138/129 ...-HxCB	NotFnd	C	1.0011	-		0.00E+00		1.06	ND	1.53E+03	0.141
PCB-160 233'456-HxCB	NotFnd		1.0048	-		0.00E+00		1.19	ND	1.53E+03	0.126
PCB-158 233'44'6'-HxCB	NotFnd		1.0099	-		0.00E+00		1.37	ND	1.53E+03	0.109
PCB-128/166 ...-HxCB	NotFnd	C	0.9625	-		0.00E+00		0.86	ND	1.52E+03	0.171
PCB-159 233'455'-HxCB	NotFnd		0.9838	-		0.00E+00		1.03	ND	1.52E+03	0.143
PCB-162 233'4'55'-HxCB	NotFnd		0.9901	-		0.00E+00		1.03	ND	1.52E+03	0.144
PCB-188 22'34'566'-HpCB	34.26		1.0006	1.0006	0	8.07E+06	1.02	0.91	50.6	1.40E+03	0.0913
PCB-179 22'33'566'-HpCB	NotFnd		1.0087	-		0.00E+00		0.87	ND	1.40E+03	0.0953
PCB-184 22'344'66'-HpCB	NotFnd		1.0223	-		0.00E+00		0.84	ND	1.40E+03	0.0981
PCB-176 22'33'466'-HpCB	NotFnd		1.0308	-		0.00E+00		0.95	ND	1.40E+03	0.0875
PCB-186 22'34566'-HpCB	NotFnd		1.0424	-		0.00E+00		0.88	ND	1.40E+03	0.094
PCB-178 22'33'55'6'-HpCB	NotFnd		1.0759	-		0.00E+00		0.63	ND	1.40E+03	0.131
PCB-175 22'33'45'6'-HpCB	NotFnd		1.0919	-		0.00E+00		0.86	ND	2.08E+03	0.225
PCB-187 22'34'55'6'-HpCB	NotFnd		1.0986	-		0.00E+00		0.97	ND	2.08E+03	0.199
PCB-182 22'344'56'-HpCB	NotFnd		1.1038	-		0.00E+00		1.01	ND	2.08E+03	0.191
PCB-183 22'344'5'6'-HpCB	NotFnd		1.1139	-		0.00E+00		1.00	ND	2.08E+03	0.192
PCB-185 22'3455'6'-HpCB	NotFnd		1.1163	-		0.00E+00		0.90	ND	2.08E+03	0.214
PCB-174 22'33'456'-HpCB	NotFnd		1.1196	-		0.00E+00		0.86	ND	2.08E+03	0.223
PCB-177 22'33'45'6'-HpCB	NotFnd		1.1305	-		0.00E+00		0.82	ND	2.08E+03	0.236
PCB-181 22'344'56-HpCB	NotFnd		1.1408	-		0.00E+00		0.96	ND	2.08E+03	0.202
PCB-171/173 ...-HpCB	NotFnd	C	1.1461	-		0.00E+00		0.82	ND	2.08E+03	0.237
PCB-172 22'33'455'-HpCB	NotFnd		0.9050	-		0.00E+00		0.83	ND	2.08E+03	0.232
PCB-192 233'455'6'-HpCB	NotFnd		0.9105	-		0.00E+00		1.09	ND	2.08E+03	0.177
PCB-180/193 ...-HpCB	NotFnd	C	0.9168	-		0.00E+00		1.03	ND	2.08E+03	0.188
PCB-191 233'44'5'6'-HpCB	NotFnd		0.9242	-		0.00E+00		1.14	ND	2.08E+03	0.169
PCB-170 22'33'44'5'-HpCB	NotFnd		0.9414	-		0.00E+00		0.96	ND	2.08E+03	0.243
PCB-190 233'44'56-HpCB	NotFnd		0.9515	-		0.00E+00		1.28	ND	2.08E+03	0.181
PCB-202 22'33'55'66'-OcCB	38.82		1.0006	1.0006	0	7.30E+06	0.89	0.86	56.2	1.66E+03	0.129
PCB-201 22'33'45'66'-OcCB	NotFnd		1.0209	-		0.00E+00		0.97	ND	1.66E+03	0.115
PCB-204 22'344'566'-OcCB	NotFnd		1.0359	-		0.00E+00		0.90	ND	1.66E+03	0.124
PCB-197 22'33'44'66'-OcCB	NotFnd		1.0407	-		0.00E+00		1.00	ND	1.66E+03	0.111
PCB-200 22'33'4566'-OcCB	NotFnd		1.0430	-		0.00E+00		0.88	ND	1.66E+03	0.126
PCB-198/199 ...-OcCB	NotFnd	C	1.1037	-		0.00E+00		0.66	ND	1.66E+03	0.168
PCB-196 22'33'44'56'-OcCB	NotFnd		1.1186	-		0.00E+00		0.68	ND	1.66E+03	0.163
PCB-203 22'344'55'6'-OcCB	NotFnd		1.1230	-		0.00E+00		0.71	ND	1.66E+03	0.157
PCB-195 22'33'44'56-OcCB	NotFnd		0.9498	-		0.00E+00		0.81	ND	1.53E+03	0.265
PCB-194 22'33'44'55'-OcCB	NotFnd		0.9918	-		0.00E+00		0.87	ND	1.53E+03	0.246
PCB-205 233'44'55'6'-OcCB	47.08	J	1.0004	1.0005	+0.3	4.14E+06	0.90	1.09	47.9	1.53E+03	0.196
PCB-208 22'33'455'66'-NoCB	44.49	J	1.0005	1.0005	0	5.29E+06	0.76	1.00	47.5	2.56E+03	0.232
PCB-207 22'33'44'566'-NoCB	NotFnd		1.0184	-		0.00E+00		0.99	ND	2.56E+03	0.234
PCB-206 22'33'44'55'6'-NoCB	48.56		1.0004	1.0004	0	3.87E+06	0.77	0.85	51.7	2.56E+03	0.379

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8A**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

NATIVE ANALYTES	SPIKE CONC.	RECOVERY	RANGE (%)			OK
PCB-1 2-MoCB	50	94.4	50	-	150	Y
PCB-3 4-MoCB	50	92.8	50	-	150	Y
PCB-4 22'-DiCB	50	97	50	-	150	Y
PCB-15 44'-DiCB	50	87.8	50	-	150	Y
PCB-19 22'6-TrCB	50	95.5	50	-	150	Y
PCB-37 344'-TrCB	50	77.2	50	-	150	Y
PCB-54 22'66'-TeCB	50	103	50	-	150	Y
PCB-77 33'44'-TeCB	50	80.1	50	-	150	Y
PCB-81 344'5-TeCB	50	82.1	50	-	150	Y
PCB-104 22'466'-PeCB	50	92.9	50	-	150	Y
PCB-105 233'44'-PeCB	50	97.5	50	-	150	Y
PCB-114 2344'5-PeCB	50	88.6	50	-	150	Y
PCB-118 23'44'5-PeCB	50	93.9	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	86.9	50	-	150	Y
PCB-126 33'44'5-PeCB	50	95.1	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	88.5	50	-	150	Y
PCB-156/157 ...-HxCB	100	92.3	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	87.3	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	83.3	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	101	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	87	50	-	150	Y
PCB-202 22'33'55'66'-OxCB	50	112	50	-	150	Y
PCB-205 233'44'55'6-OxCB	50	95.8	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	103	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	94.9	50	-	150	Y
PCB-209 DeCB	50	93.1	50	-	150	Y

Contract-required recovery limits for OPR as specified in Table 6,
 Method 1668A.

Processed: 14 Oct 2013 15:39 Analyst: JJ

METHOD HR-PCB**PCB ONGOING PRECISION AND RECOVERY (OPR)****FORM 8B**

Lab Name: SGS Analytical Perspectives
 Initial Calibration: ICAL: MM6_PCB_07122013_27AUG2013
 Instrument ID: MM6 GC Column ID:
 VER Data Filename: 131002V10 Analysis Date: 02-OCT-2013 12:39:31
 Lab ID: OPR1_11356_PCB

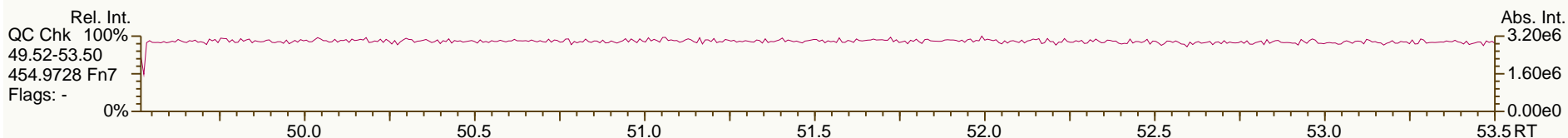
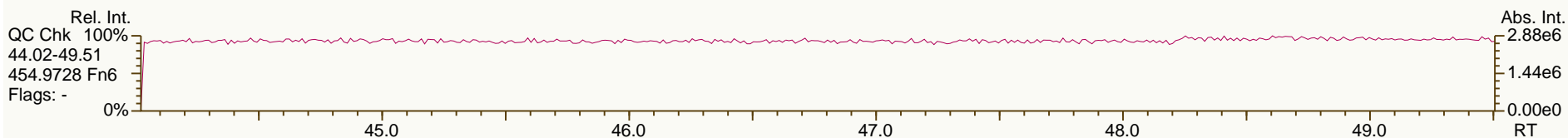
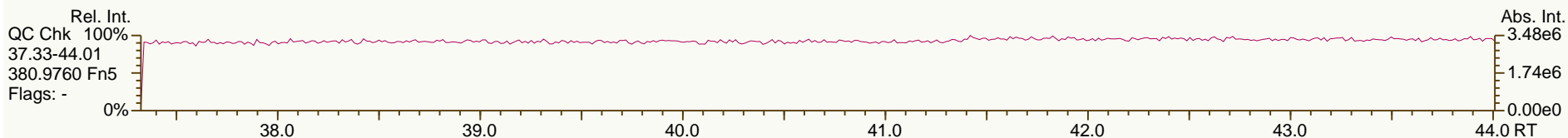
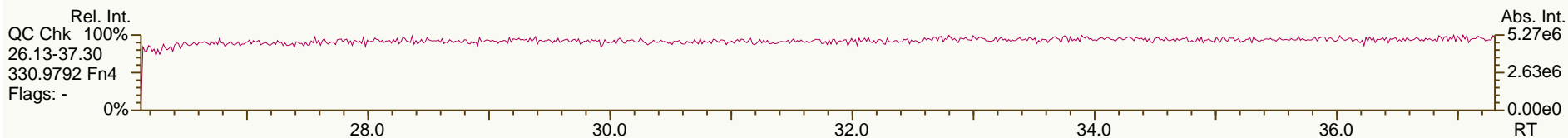
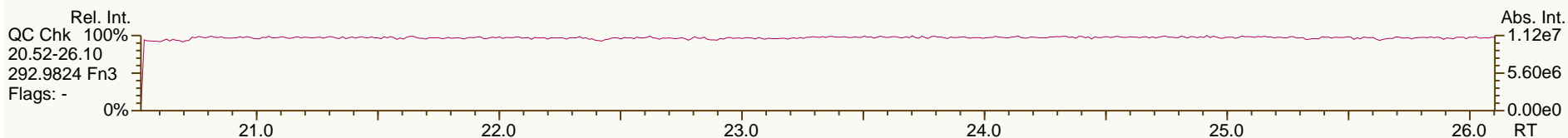
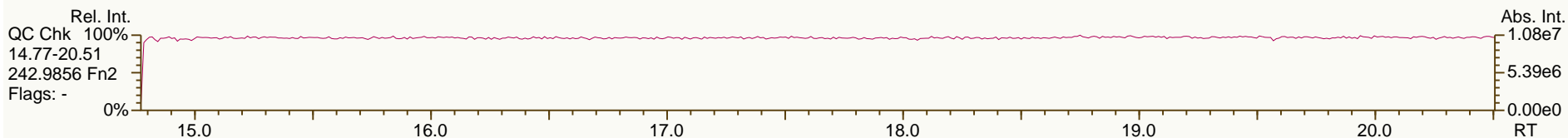
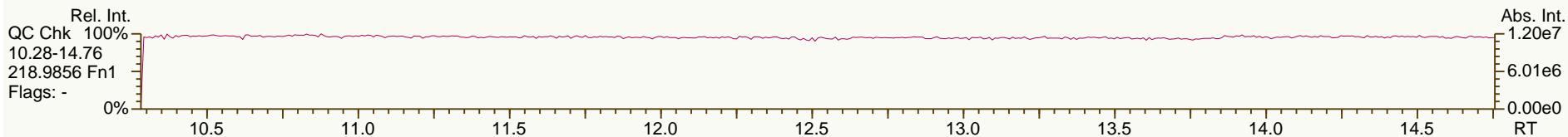
LABELLED STANDARDS	SPIKE CONC.	RECOVERY	RANGE (%)			OK
ES PCB-1	100	57.8	30	-	140	Y
ES PCB-3	100	74.6	30	-	140	Y
ES PCB-4	100	102	30	-	140	Y
ES PCB-15	100	100	30	-	140	Y
ES PCB-19	100	101	30	-	140	Y
ES PCB-37	100	90.5	30	-	140	Y
ES PCB-54	100	75.3	30	-	140	Y
ES PCB-77	100	93.5	30	-	140	Y
ES PCB-81	100	93.5	30	-	140	Y
ES PCB-104	100	89.1	30	-	140	Y
ES PCB-105	100	106	30	-	140	Y
ES PCB-114	100	103	30	-	140	Y
ES PCB-118	100	101	30	-	140	Y
ES PCB-123	100	102	30	-	140	Y
ES PCB-126	100	81.7	30	-	140	Y
ES PCB-153	100	84.8	30	-	140	Y
ES PCB-155	100	76.5	30	-	140	Y
ES PCB-156/157	200	87.3	30	-	140	Y
ES PCB-167	100	84.8	30	-	140	Y
ES PCB-169	100	52.4	30	-	140	Y
ES PCB-170	100	87.9	30	-	140	Y
ES PCB-180	100	86.2	30	-	140	Y
ES PCB-188	100	80	30	-	140	Y
ES PCB-189	100	78.9	30	-	140	Y
ES PCB-202	100	85	30	-	140	Y
ES PCB-205	100	84.5	30	-	140	Y
ES PCB-206	100	92.6	30	-	140	Y
ES PCB-208	100	90.4	30	-	140	Y
ES PCB-209	100	82.6	30	-	140	Y
CLEANUP STANDARDS						
CS PCB-28	100	87.2	40	-	125	Y
CS PCB-111	100	107	40	-	125	Y
CS PCB-178	100	92.2	40	-	125	Y

Processed: 14 Oct 2013 15:39 Analyst: JJ

SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
 VSIR EI+: pcb-2012-01 GC: pcb90_b Vial: 43

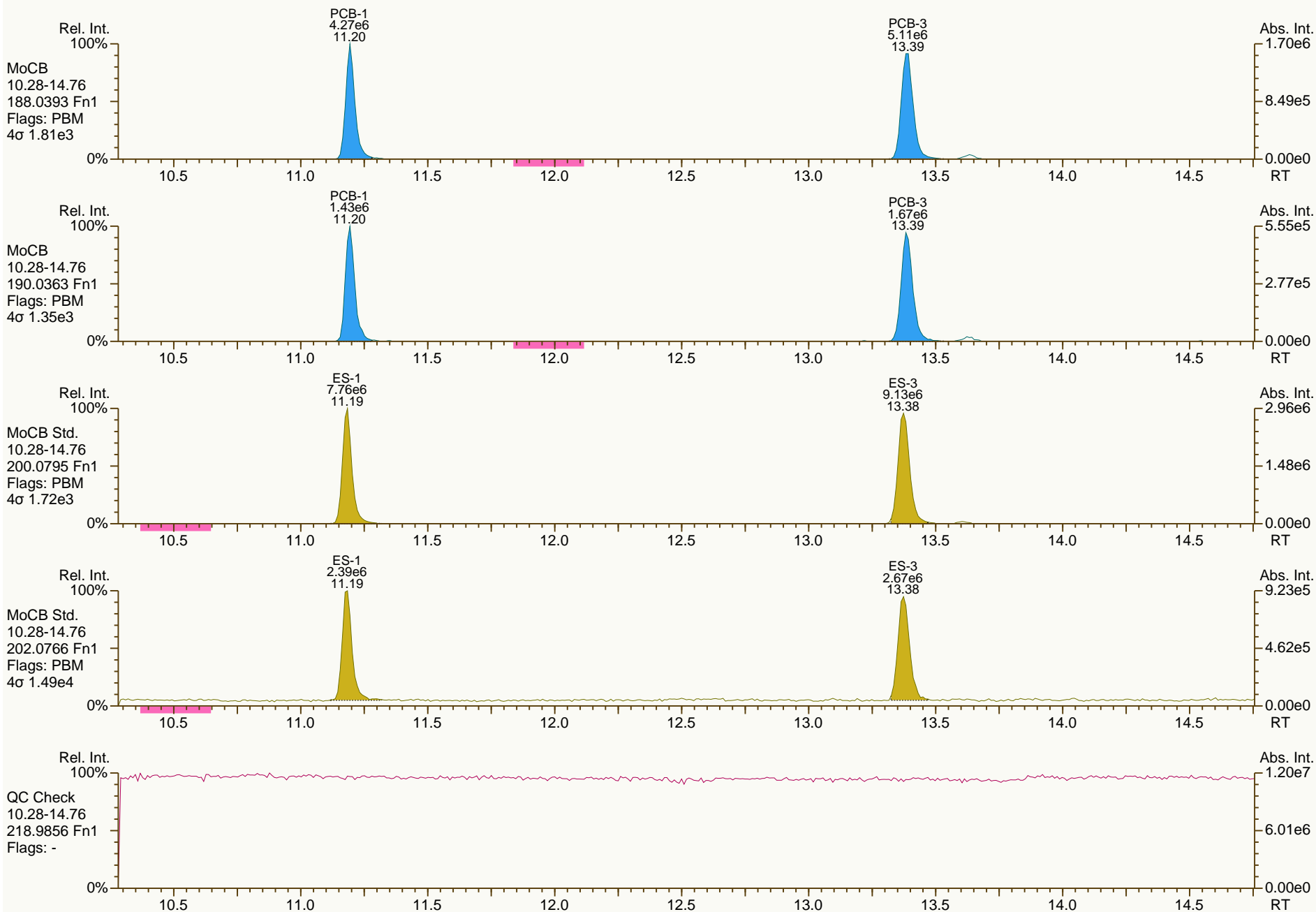
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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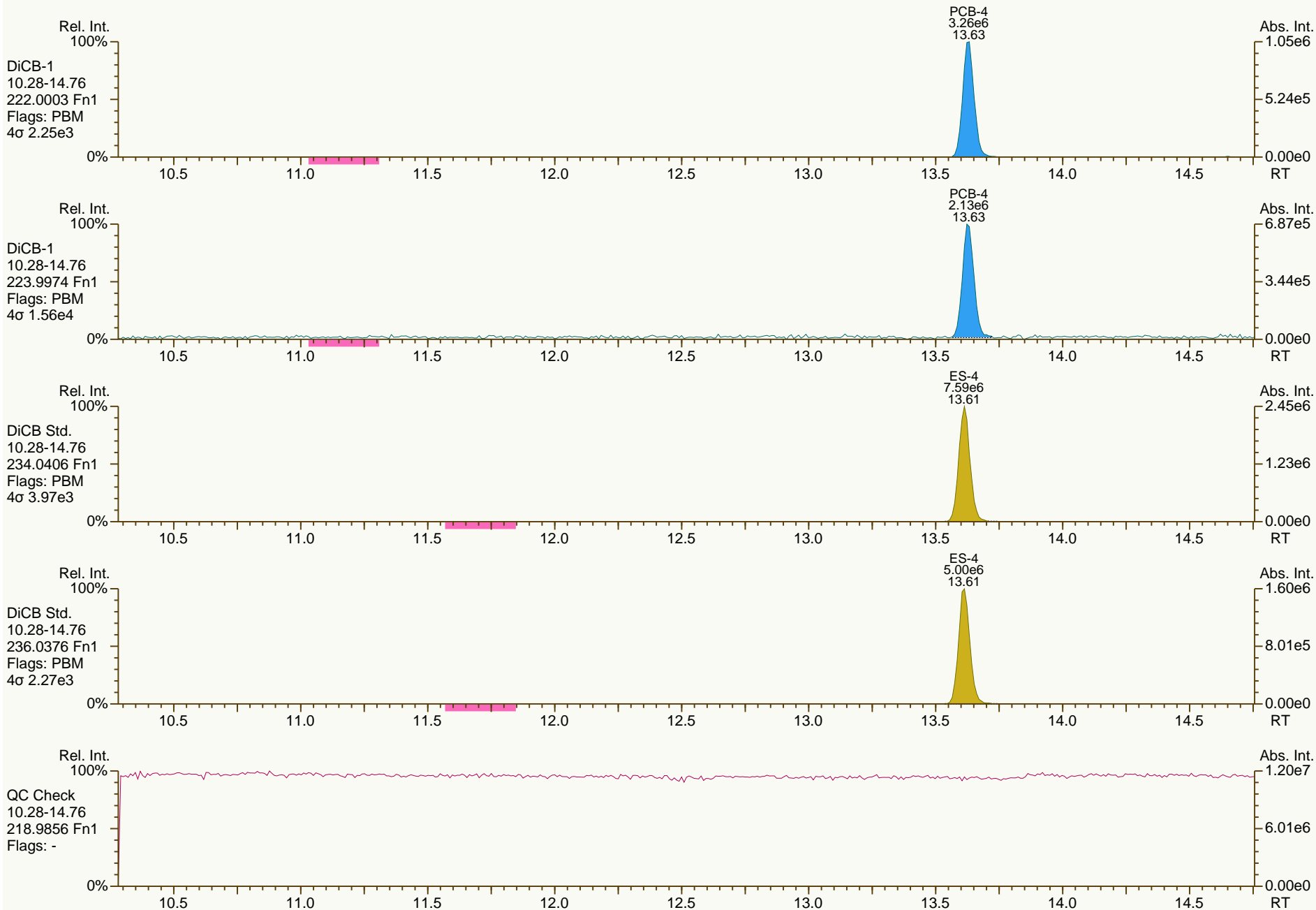
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

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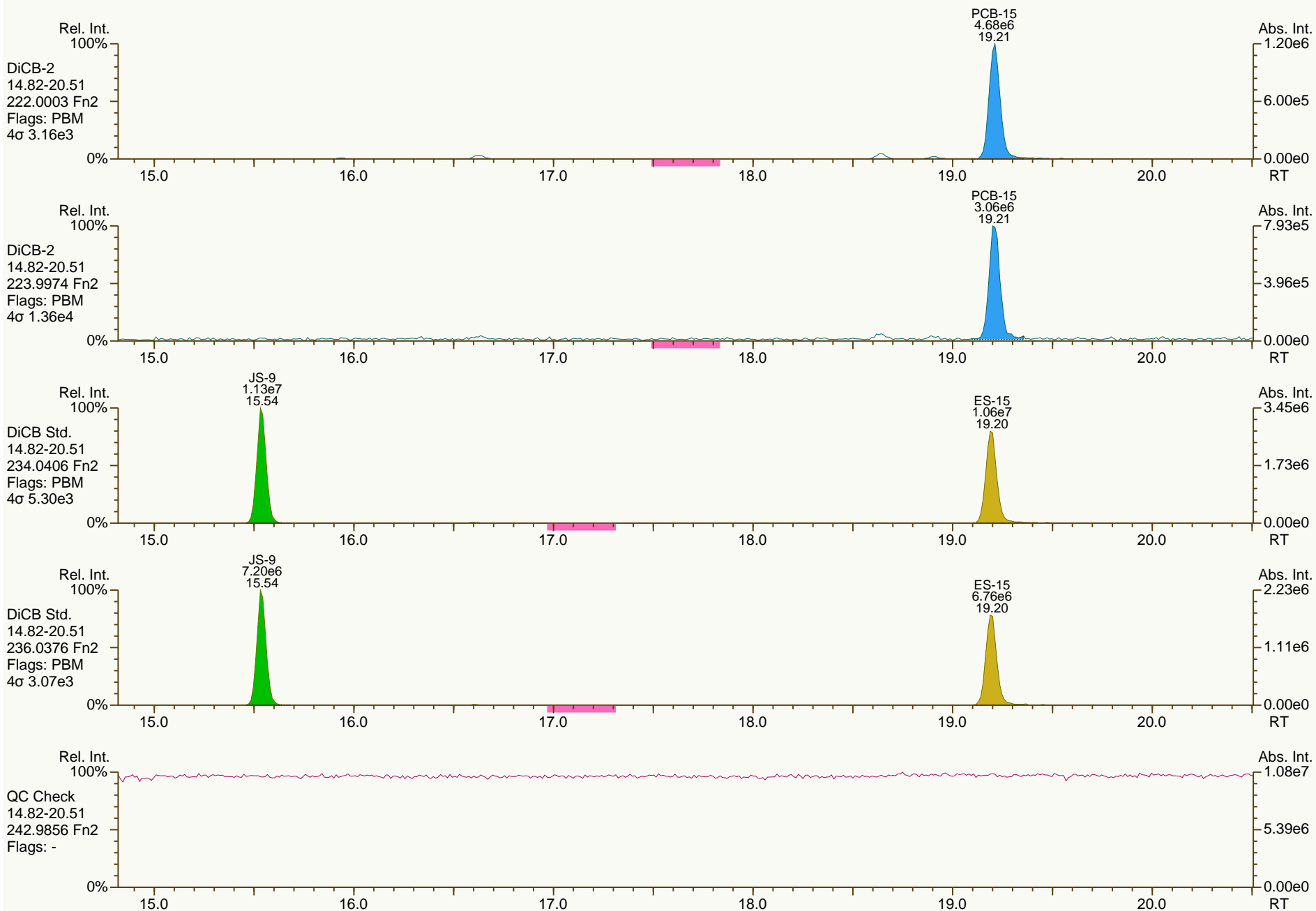
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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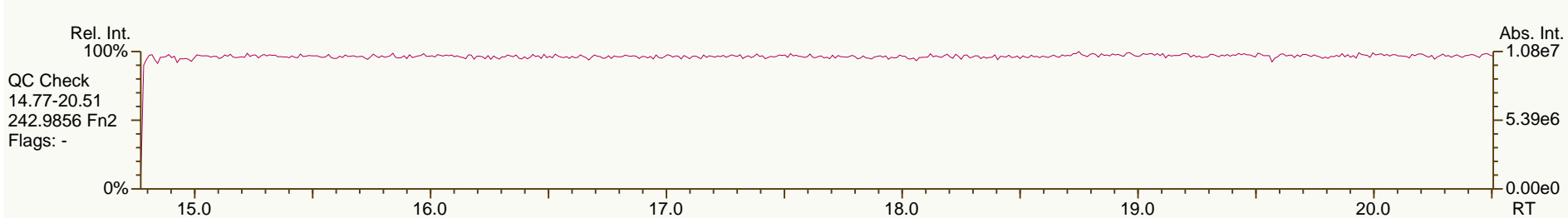
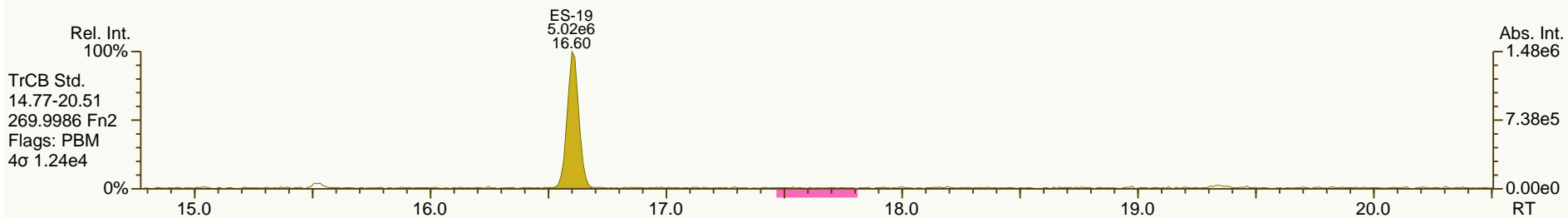
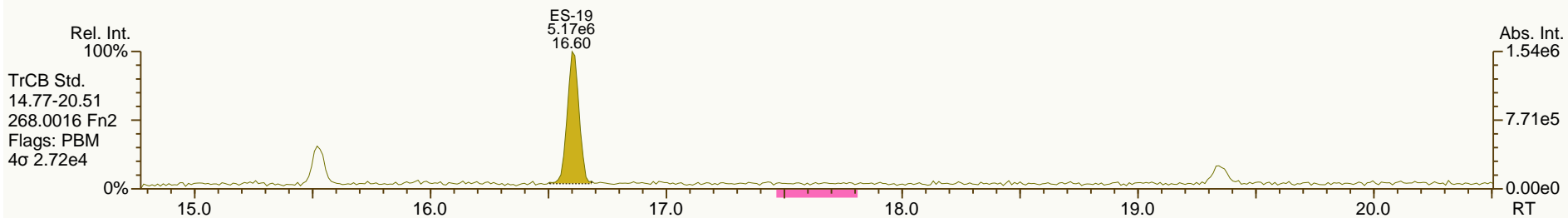
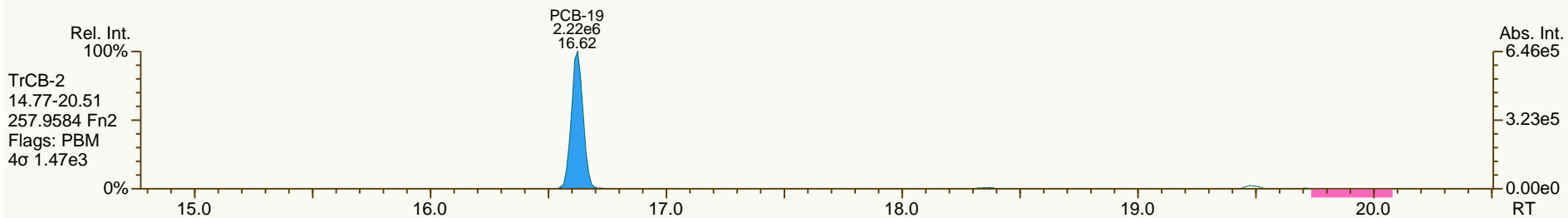
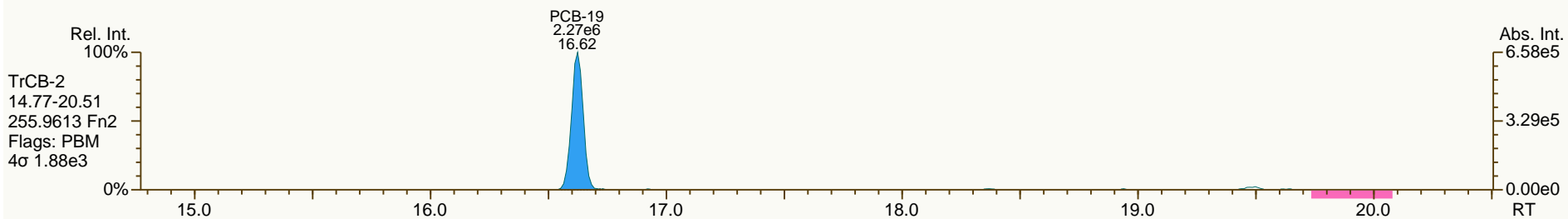
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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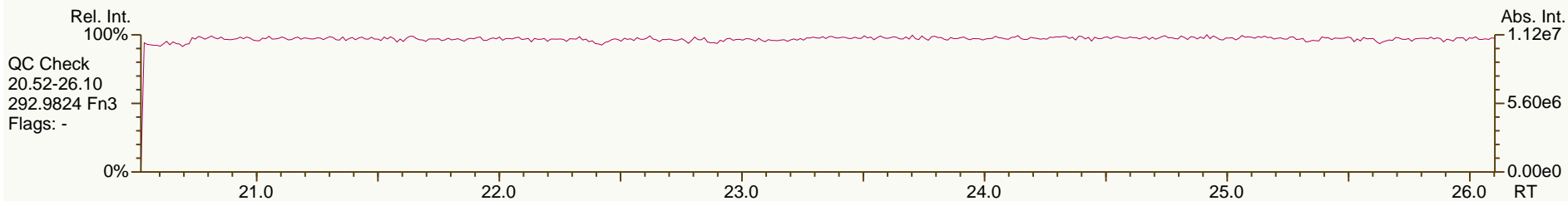
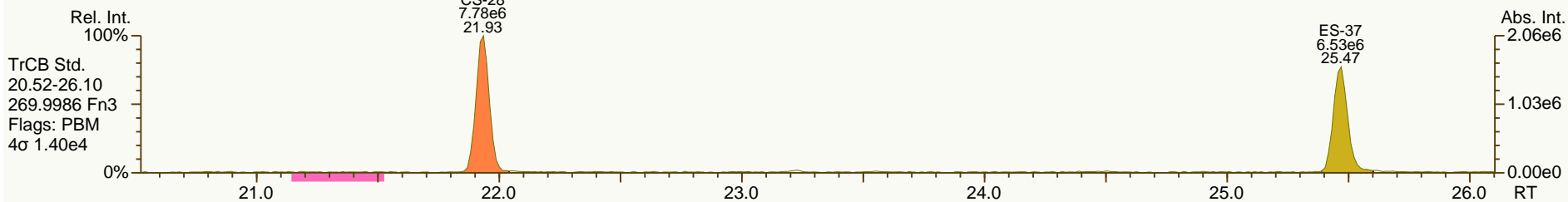
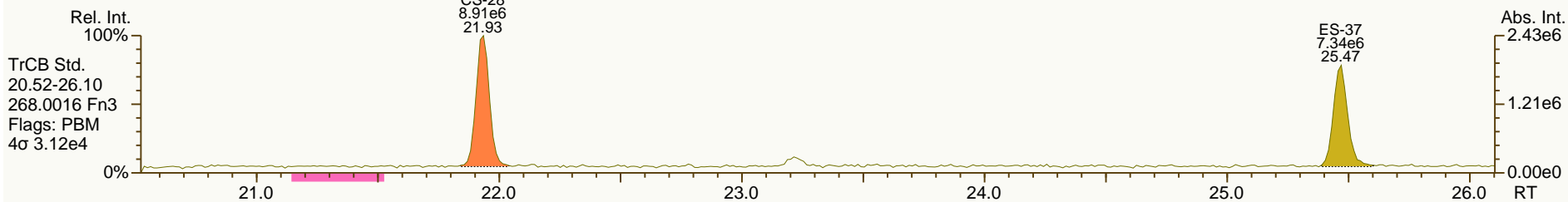
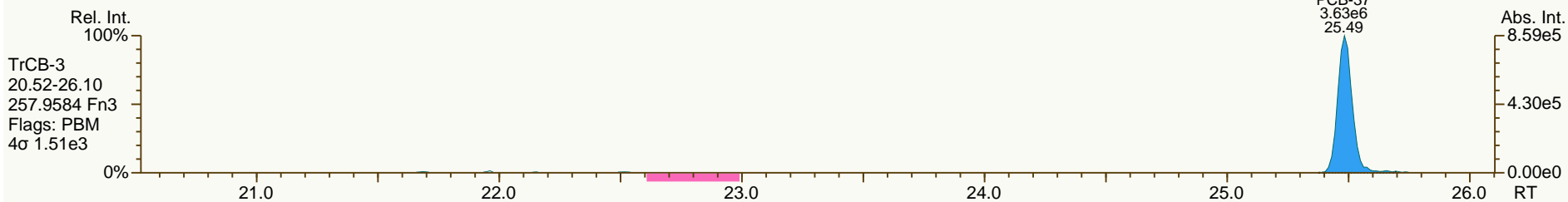
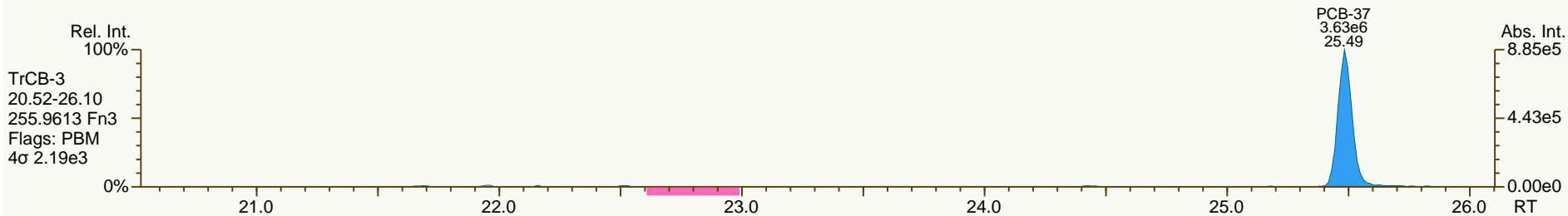
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SGS-AP ID: OPR1_11356_PCB
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Sample ID: 0_11356_OPR001
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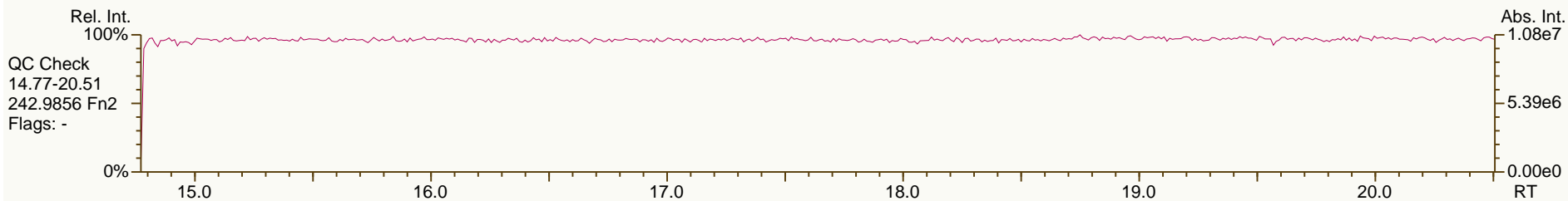
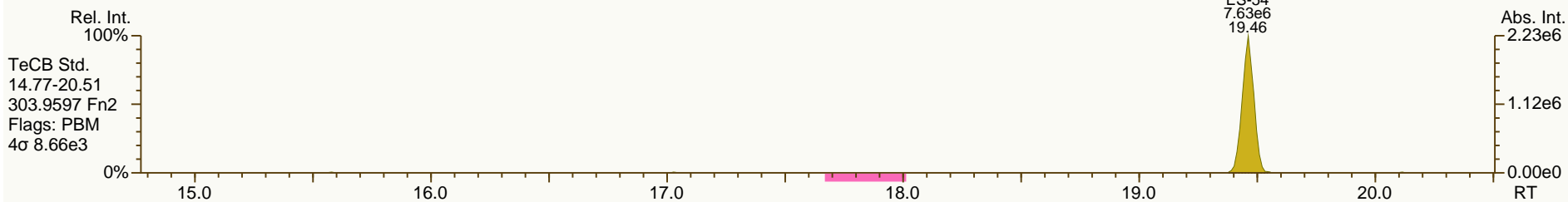
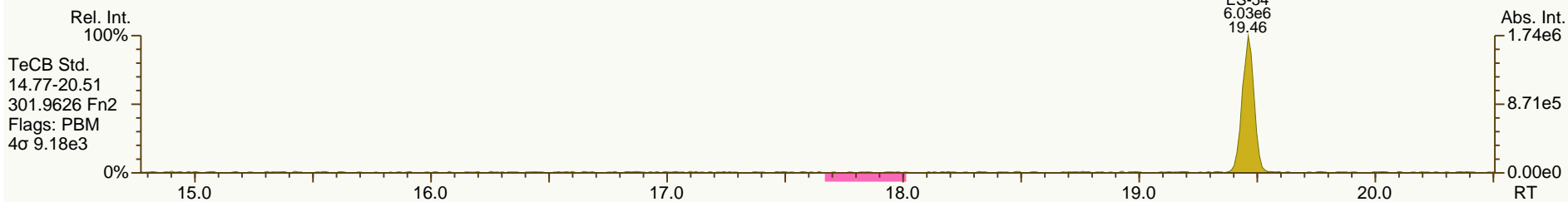
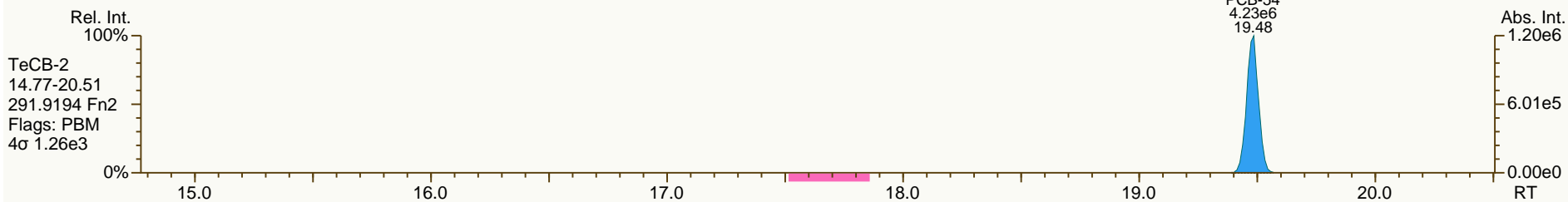
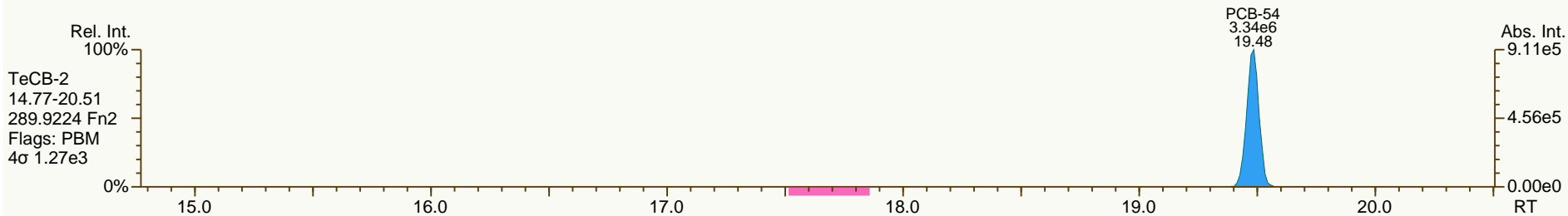
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SGS-AP ID: OPR1_11356_PCB
Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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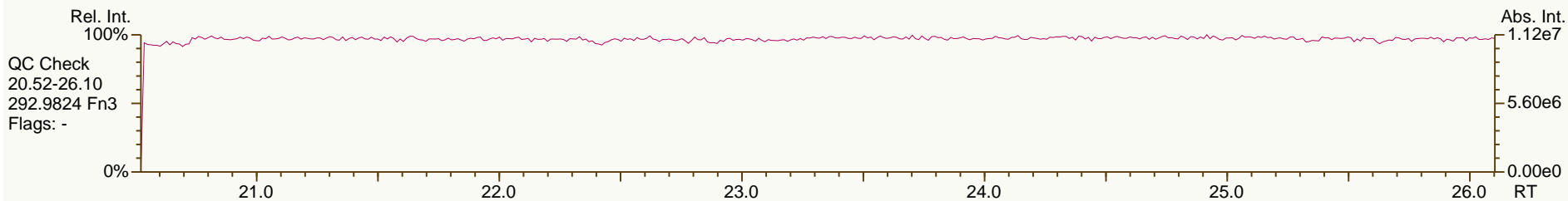
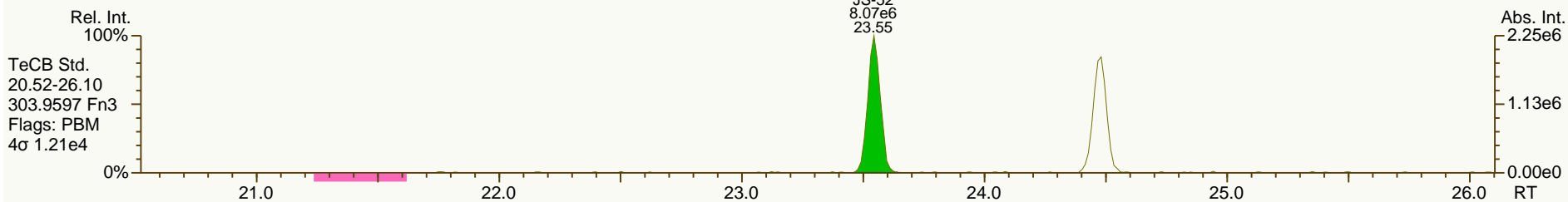
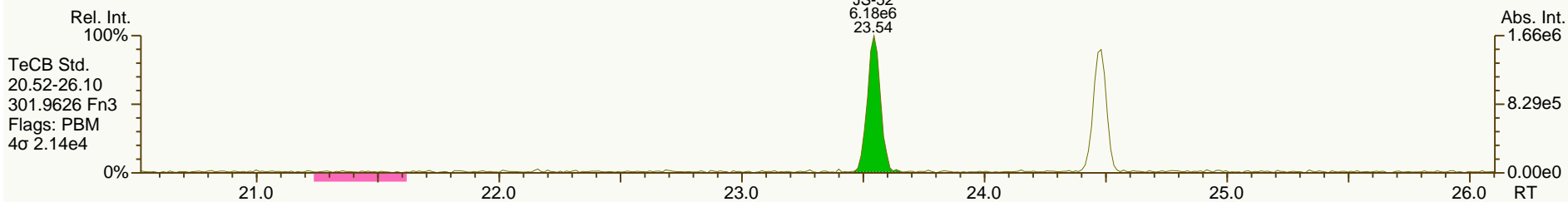
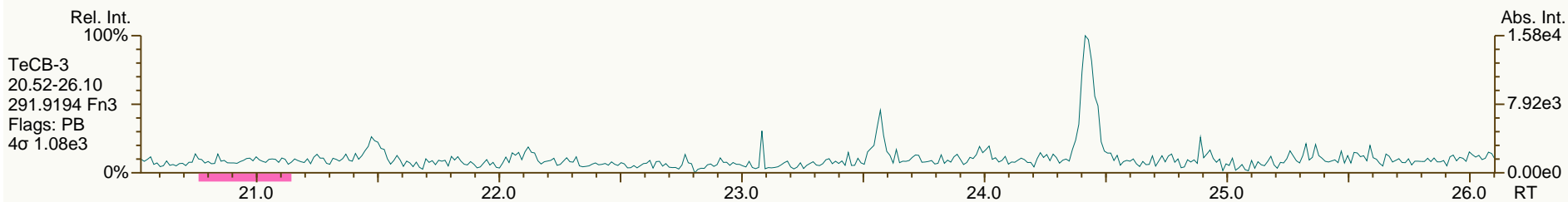
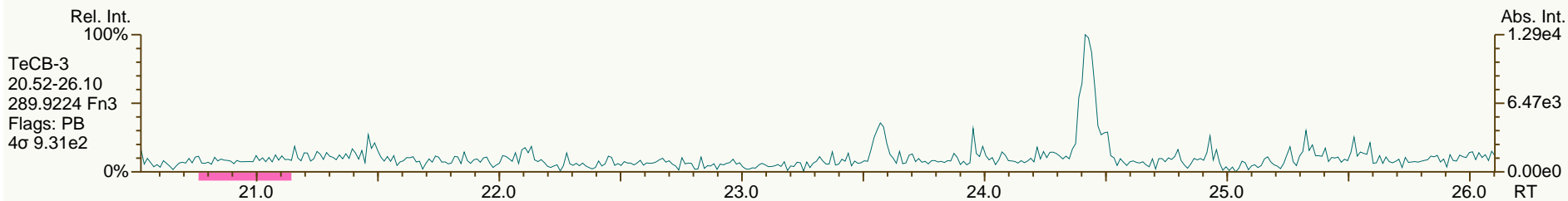
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SGS-AP ID: OPR1_11356_PCB
Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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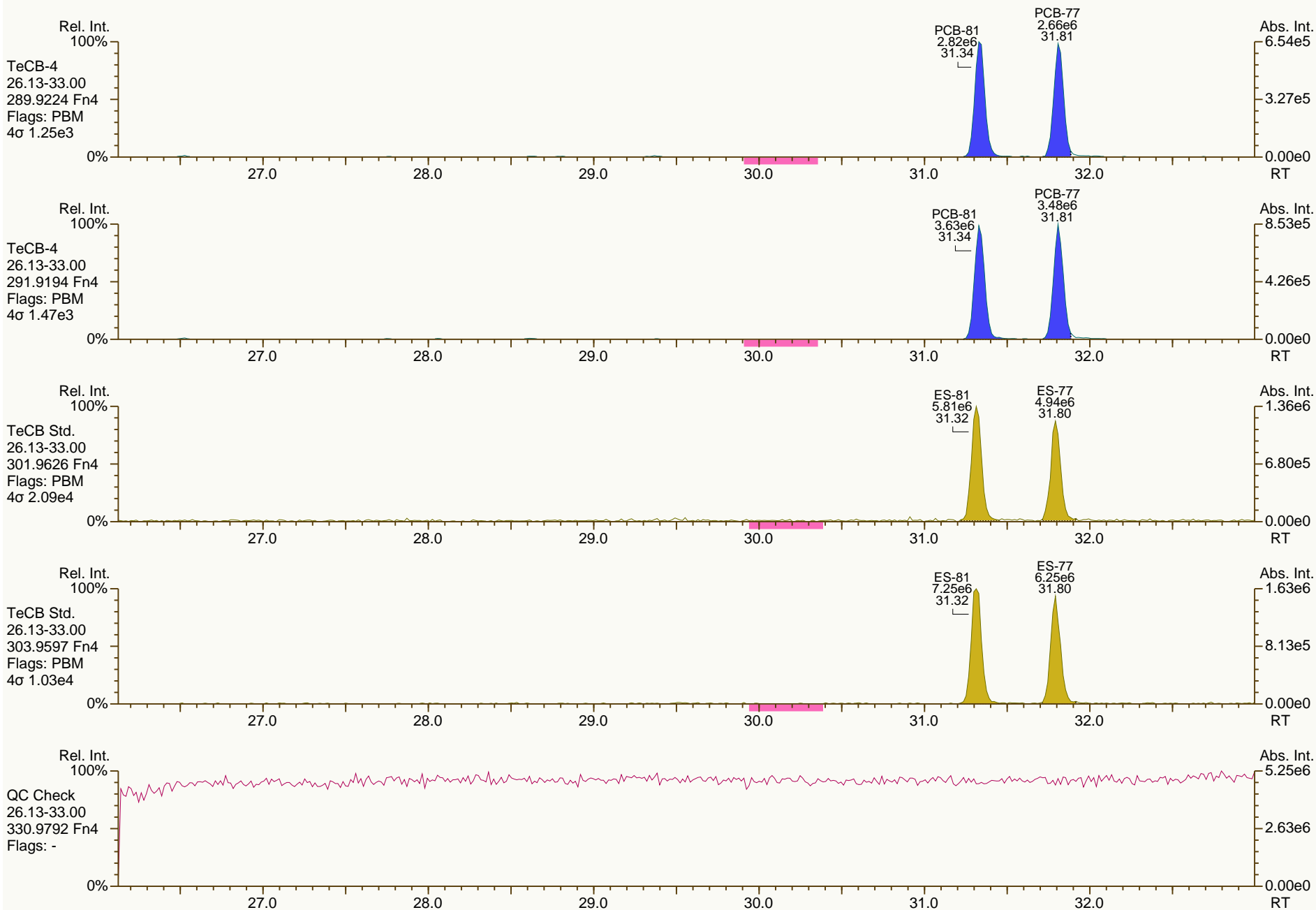
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SGS-AP ID: OPR1_11356_PCB
Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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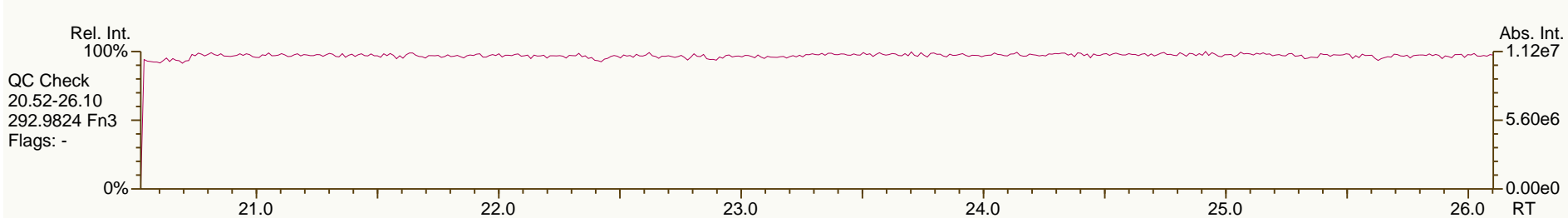
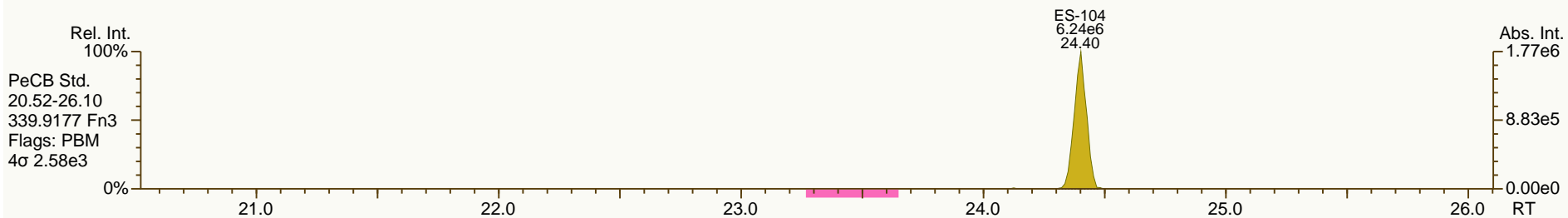
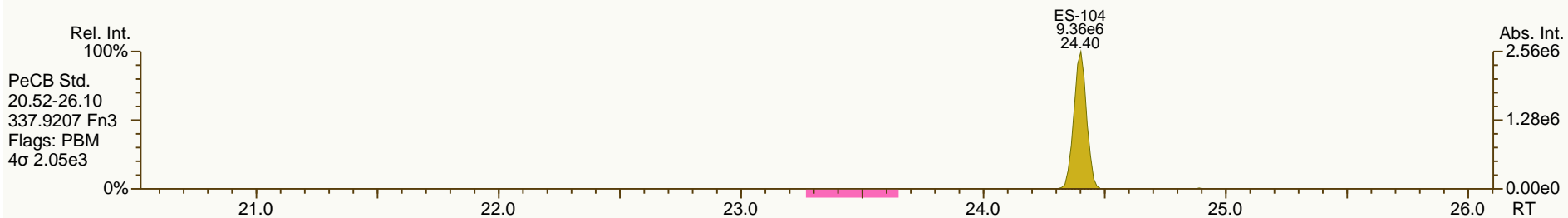
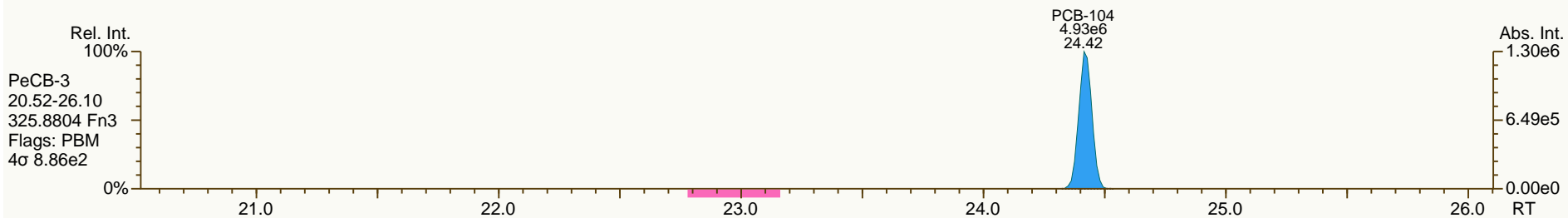
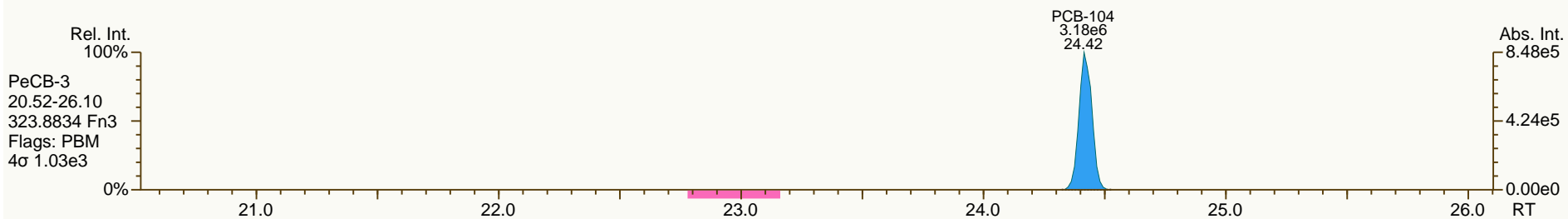
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SGS-AP ID: OPR1_11356_PCB
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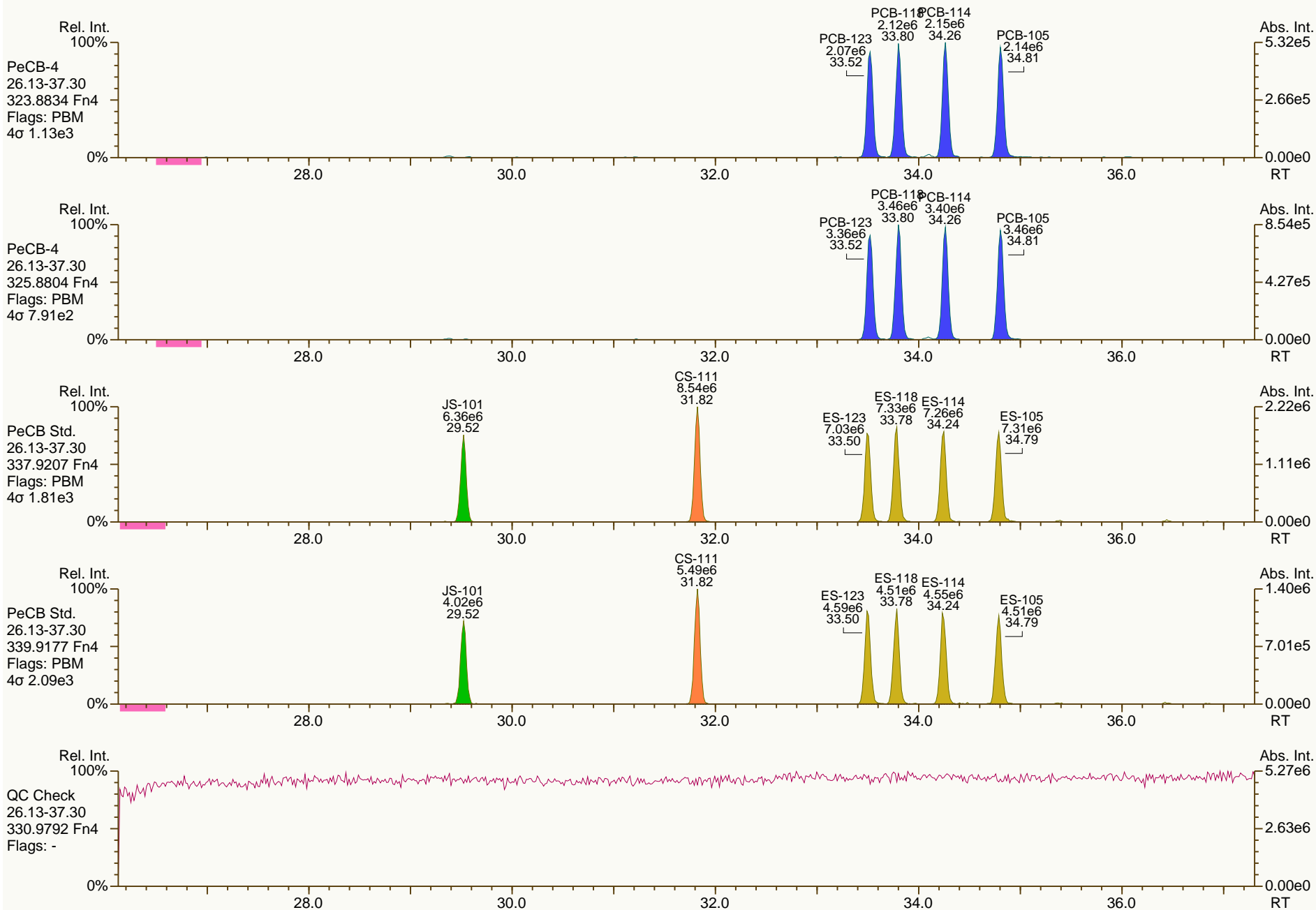
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SGS-AP ID: OPR1_11356_PCB
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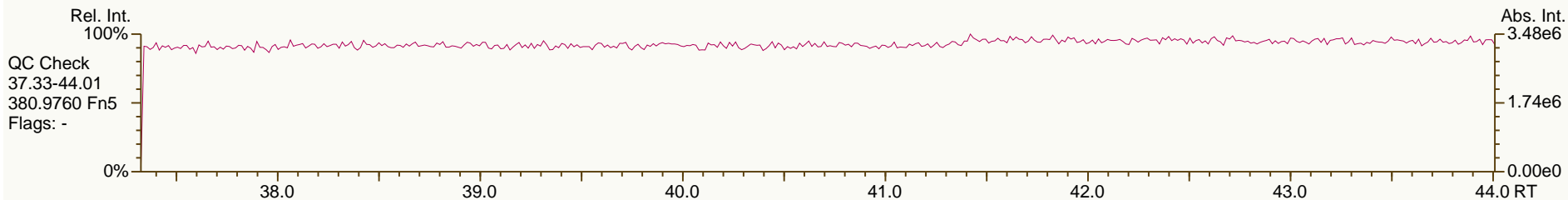
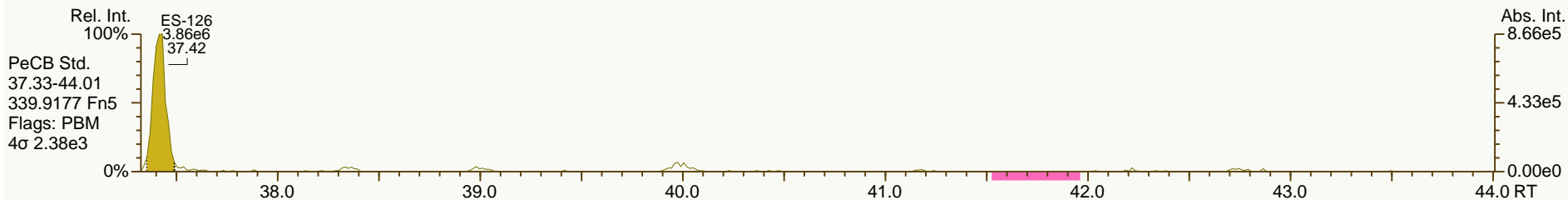
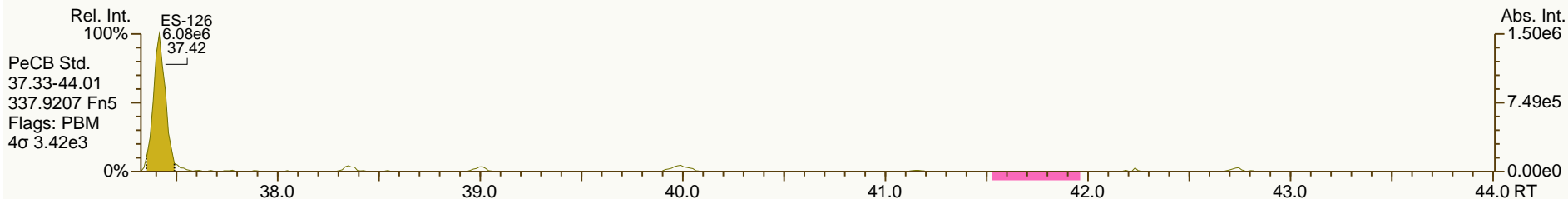
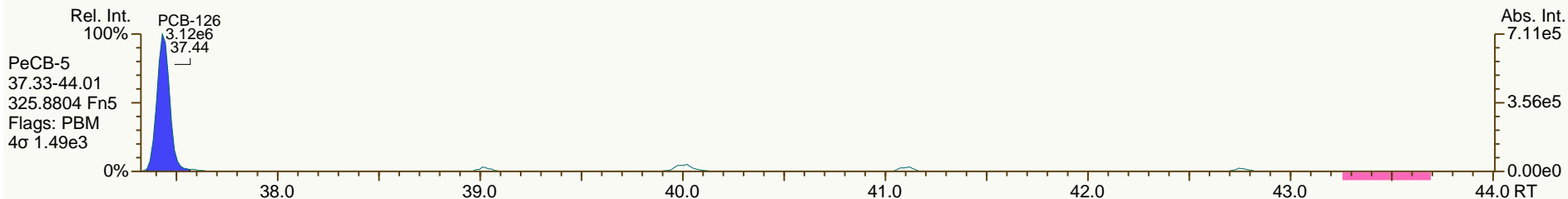
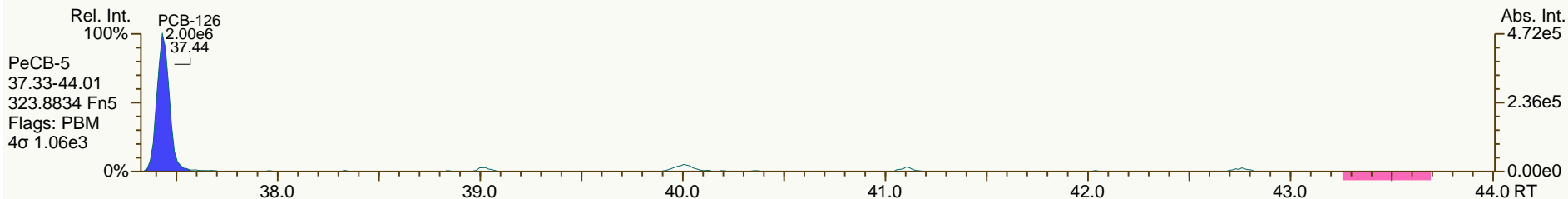
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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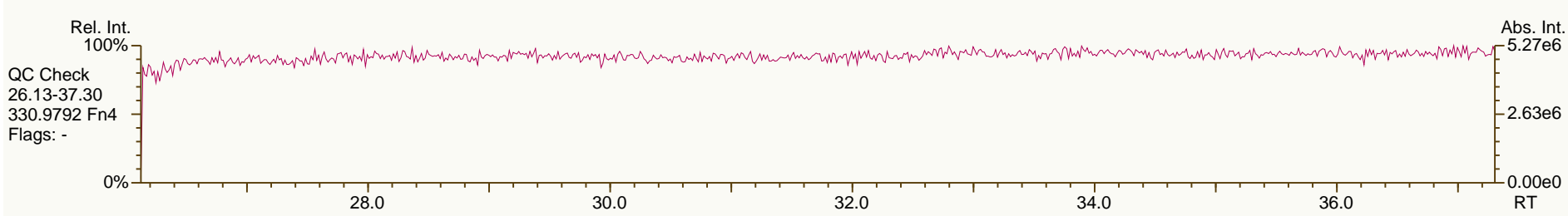
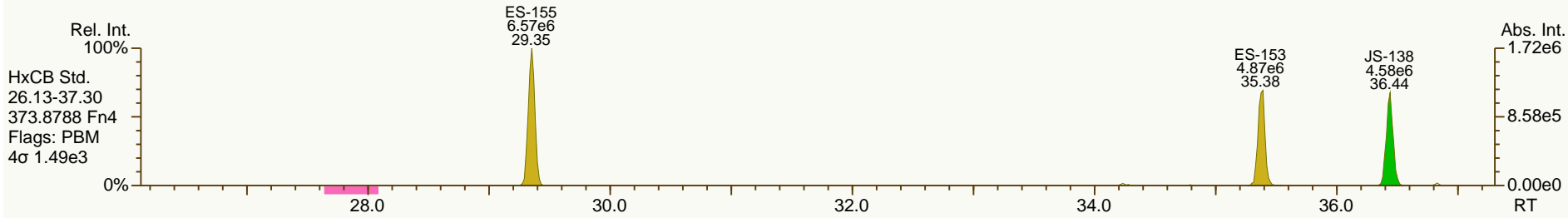
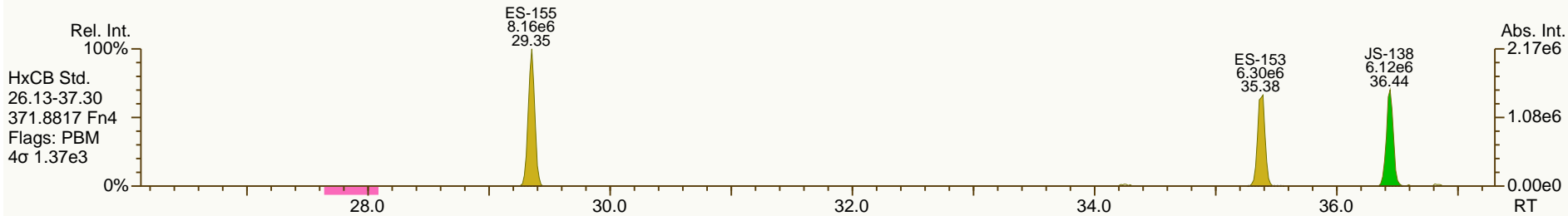
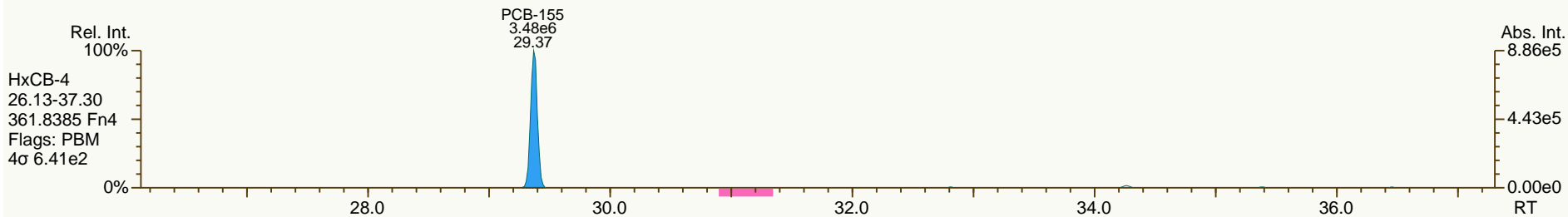
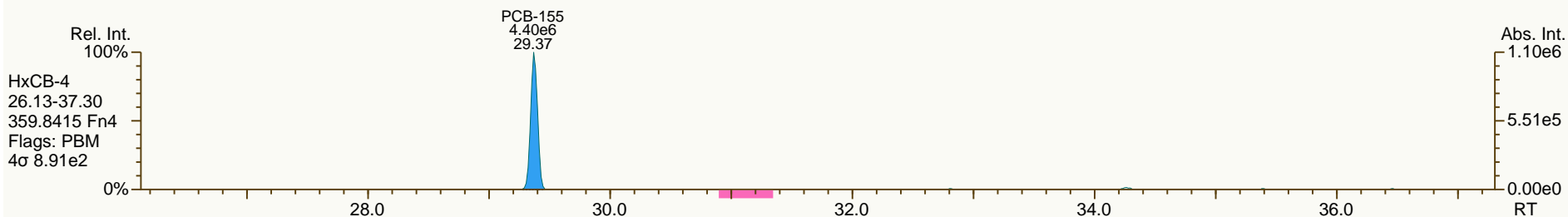
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SGS-AP ID: OPR1_11356_PCB
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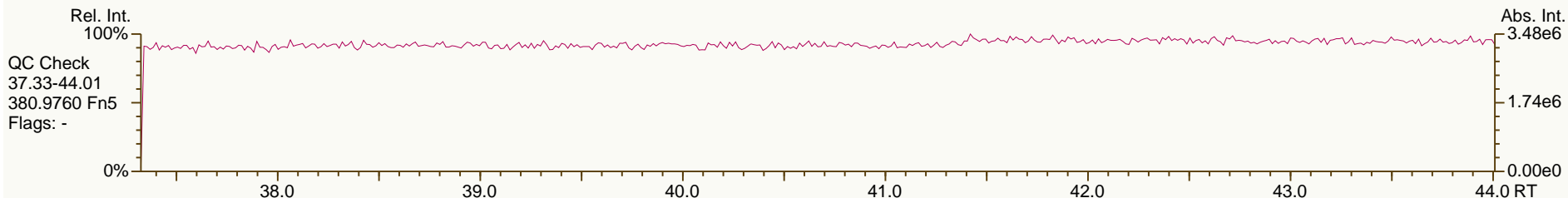
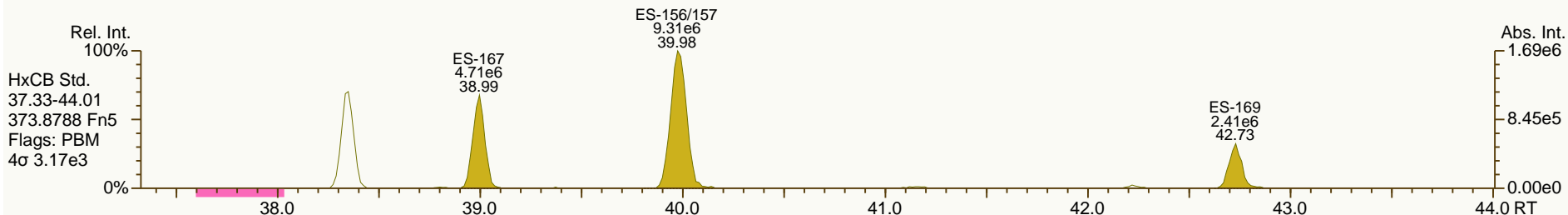
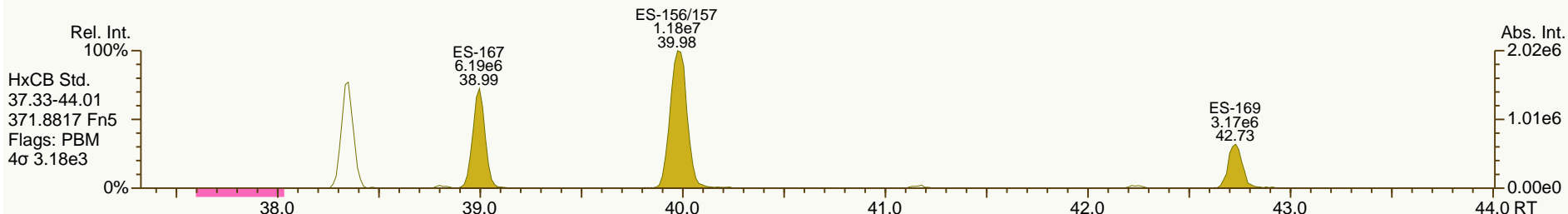
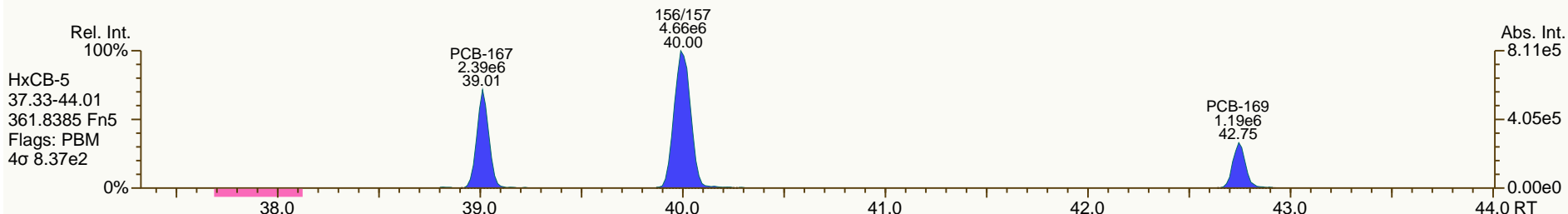
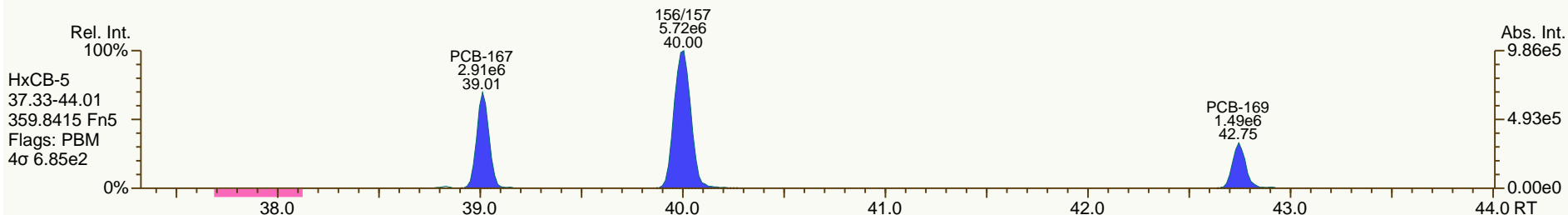
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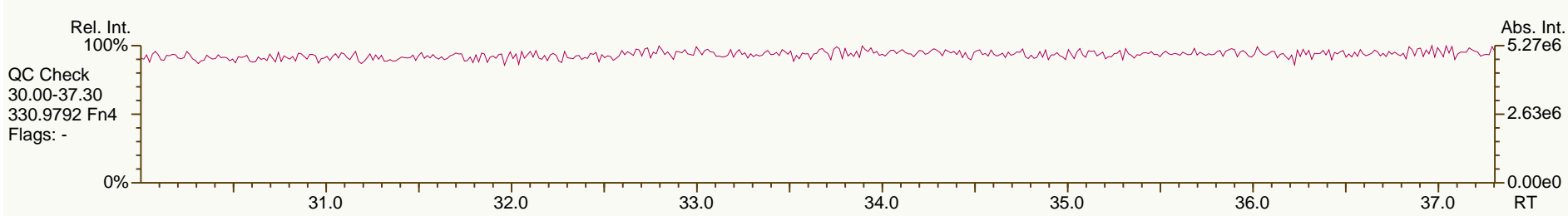
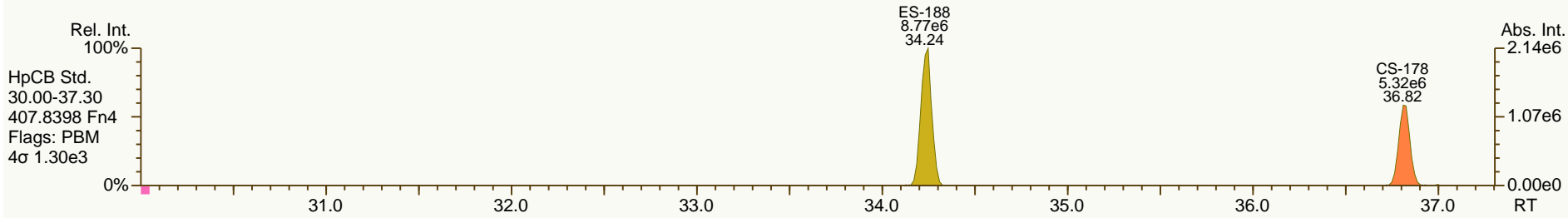
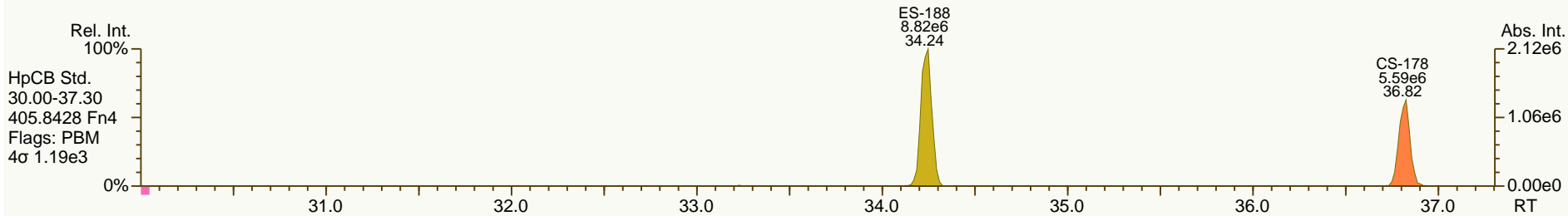
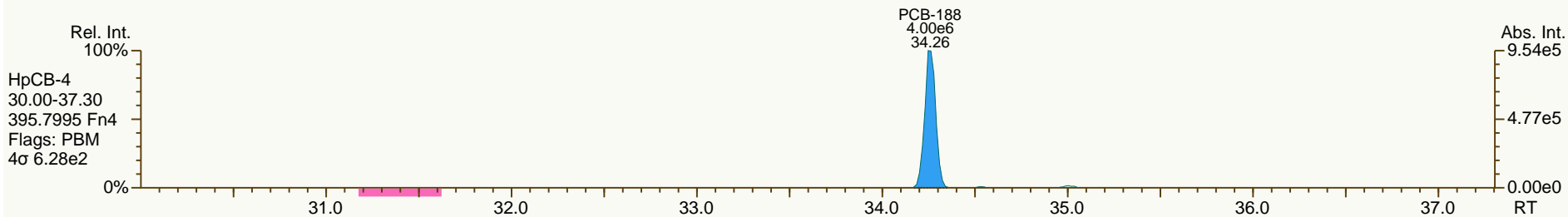
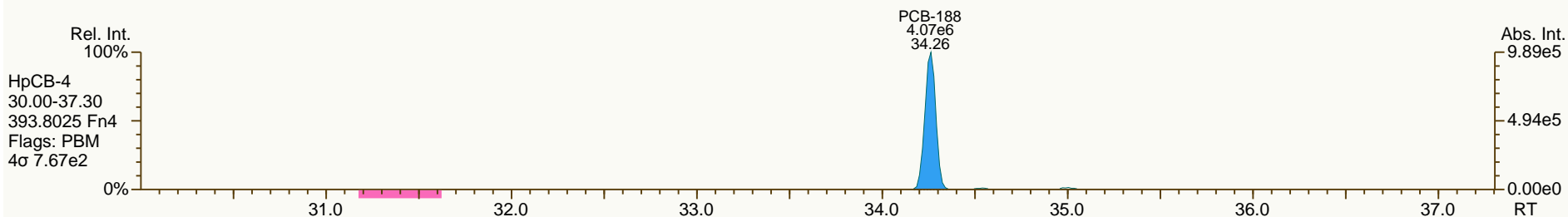
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SGS-AP ID: OPR1_11356_PCB
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Sample ID: 0_11356_OPR001
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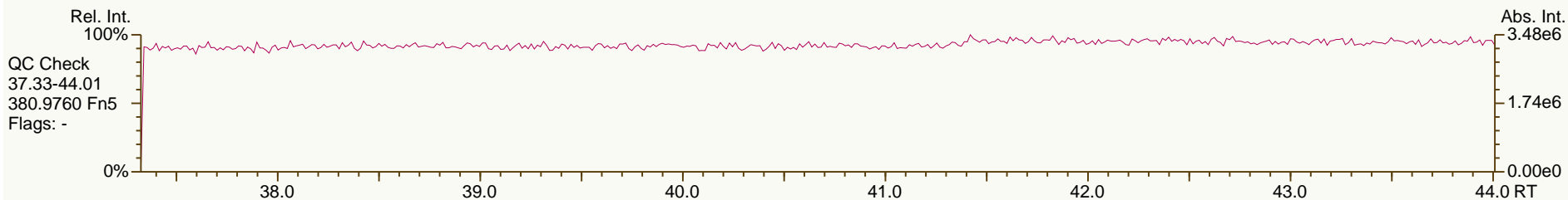
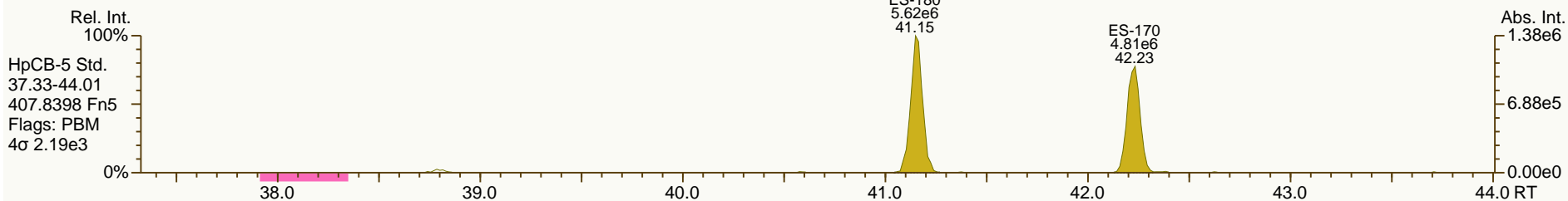
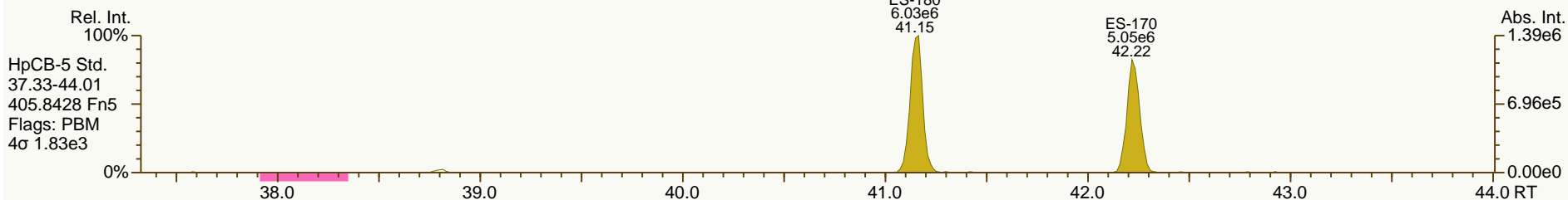
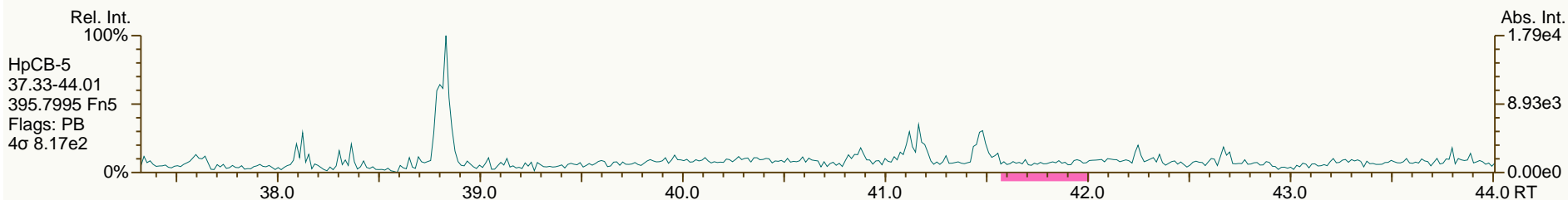
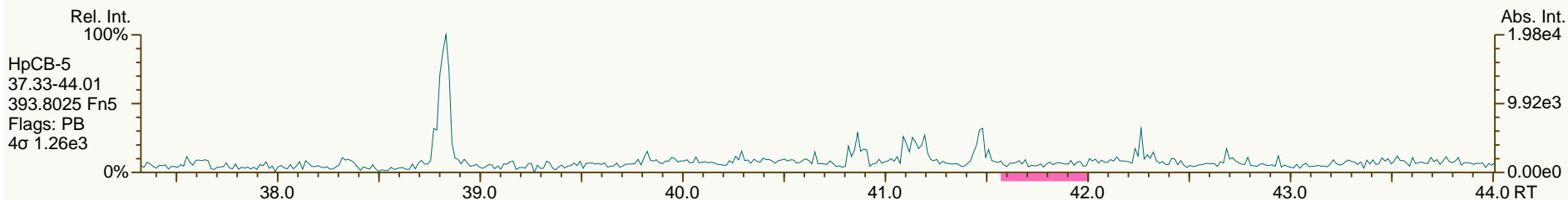
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SGS-AP ID: OPR1_11356_PCB
 Instr: AutoSpec-Premier MM6

Sample ID: 0_11356_OPR001
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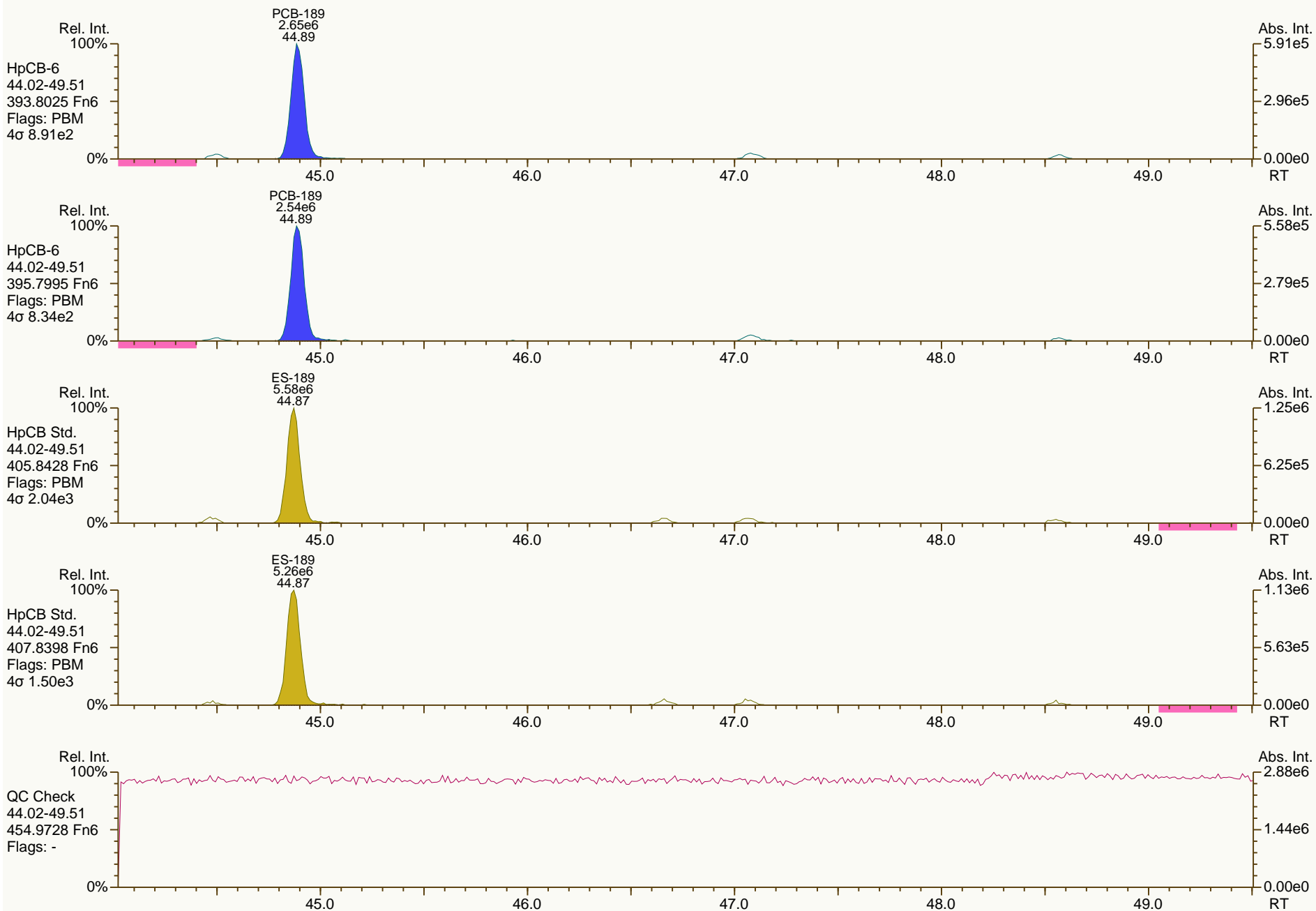
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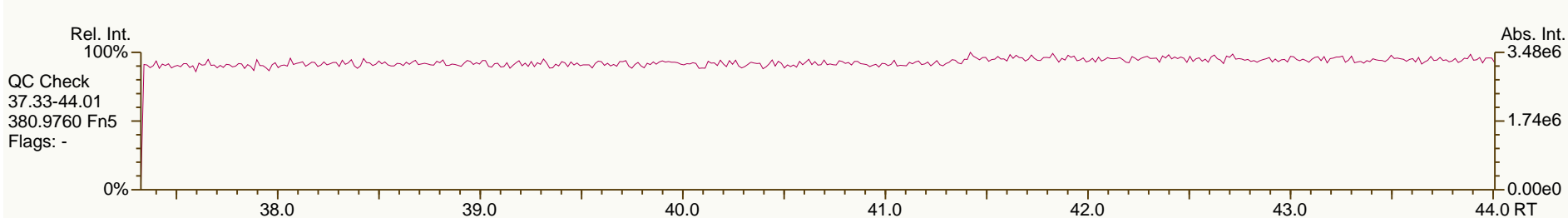
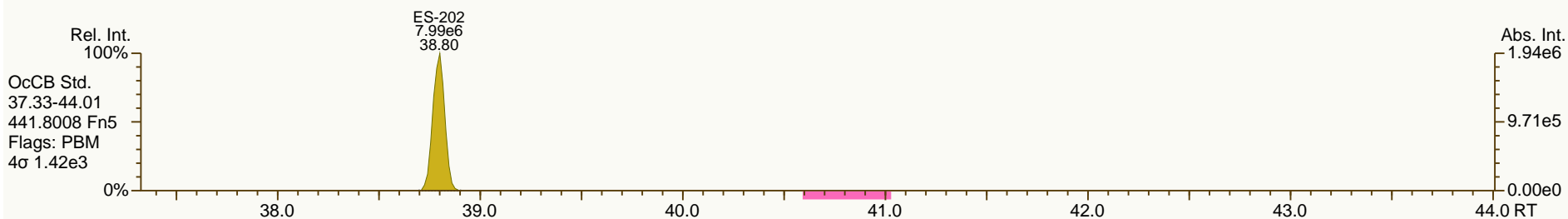
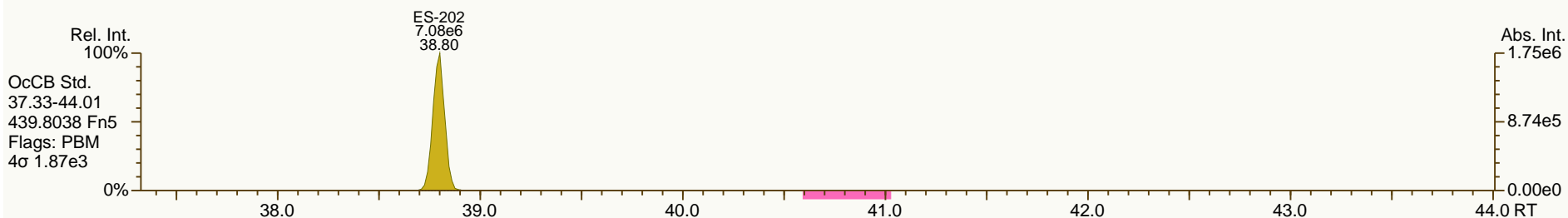
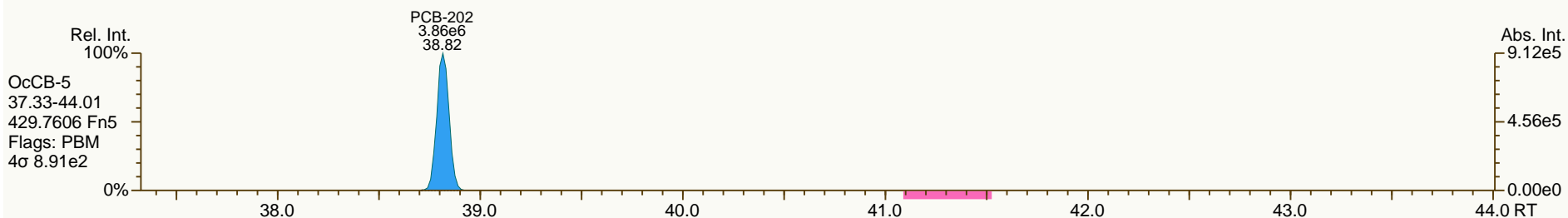
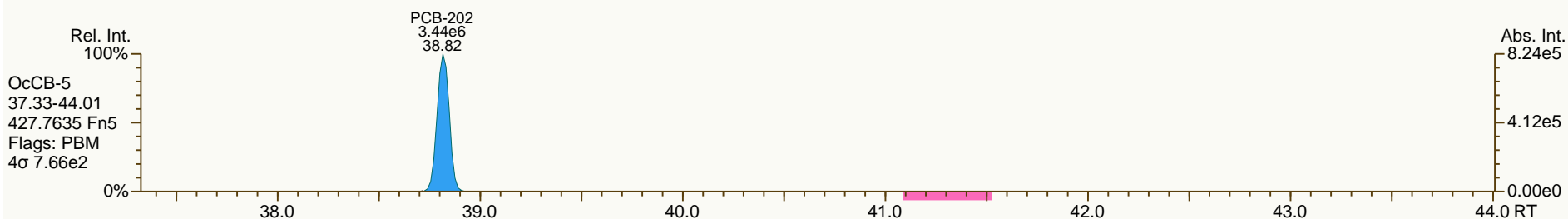
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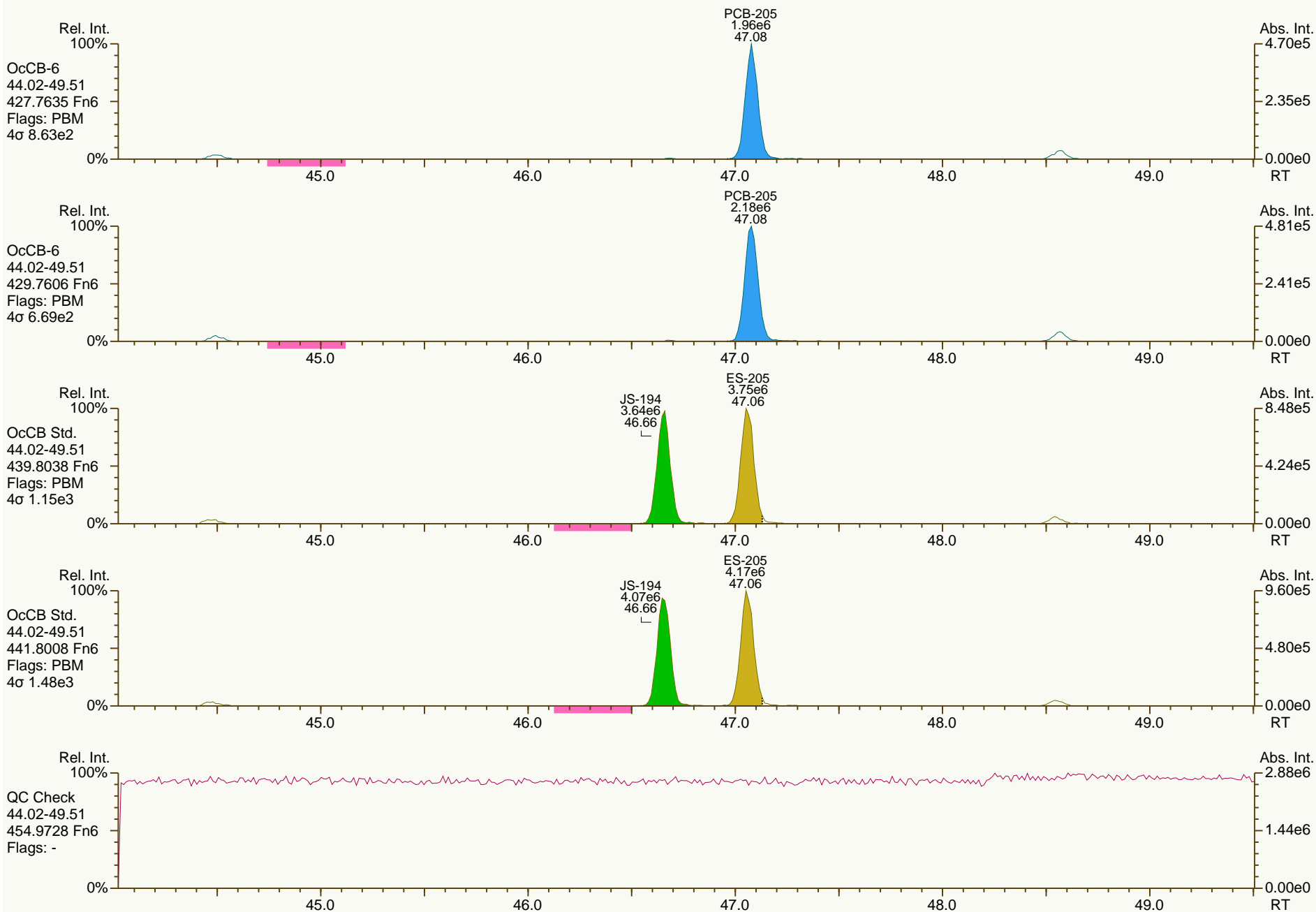
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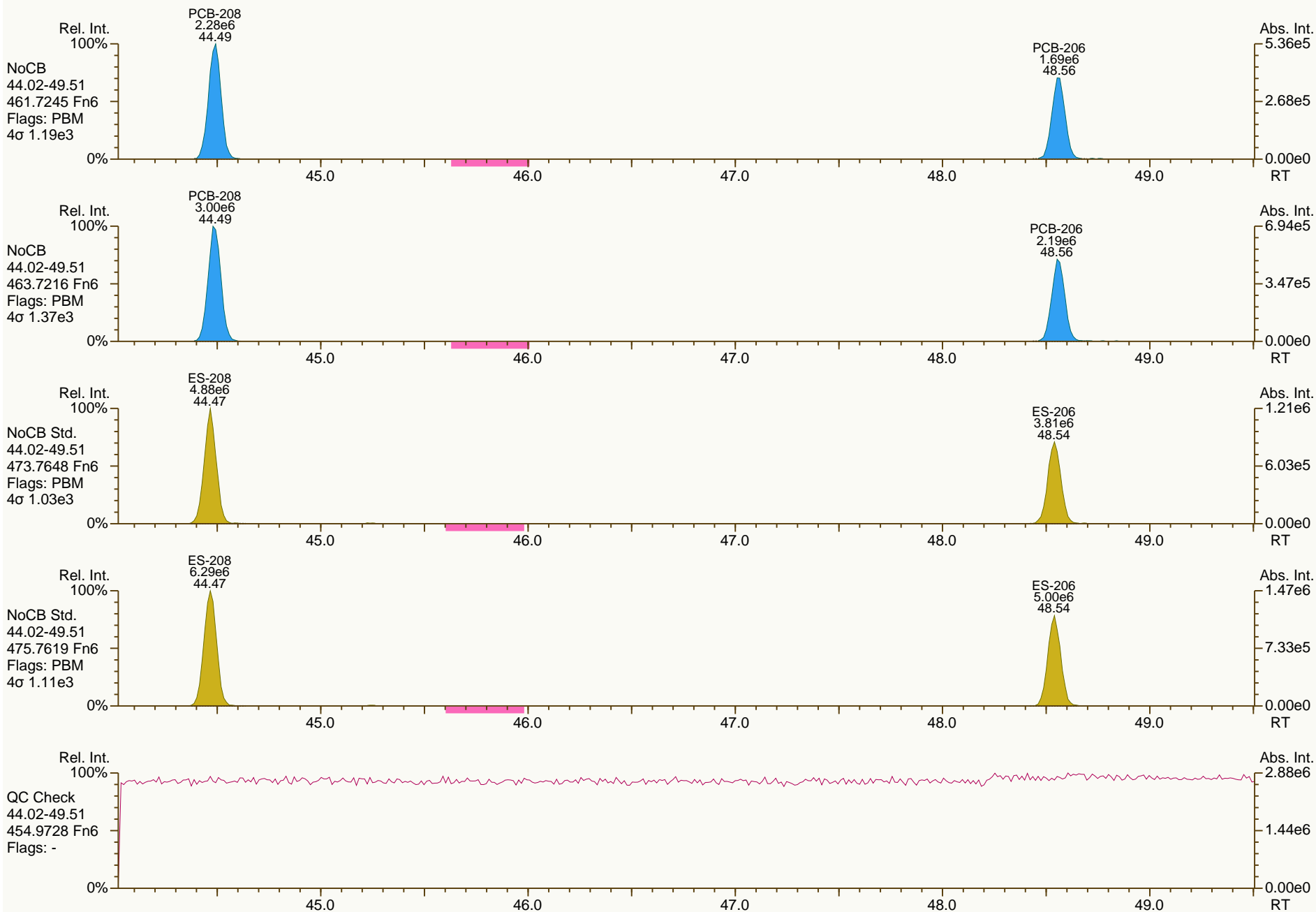
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